

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112122.D
 Acq On : 18 Jan 2019 12:52
 Operator : JU/SJ
 Sample : K1157-13MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Manual Integrations
 APPROVED

Sohil
 1/21/2019 12:00:41 PM

Quant Time: Jan 19 01:27:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	313776	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1185750	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	570171	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	953876	20.00	ng	0.00
76) Chrysene-d12	14.03	240	635103	20.00	ng	0.00
87) Perylene-d12	15.50	264	663891	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	2284124	132.13	ng	0.01
7) Phenol-d6	6.52	99	2862782	132.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	1877267	109.38	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	787847	128.09	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3194916	82.15	ng	0.00
79) Terphenyl-d14	12.97	244	2504755	83.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	306658	37.822	ng	99
3) Pyridine	3.45	79	810825	39.929	ng	99
4) n-Nitrosodimethylamine	3.40	42	414405	50.261	ng	97
6) Aniline	6.53	93	398496	15.148	ng	# 1
8) 2-Chlorophenol	6.66	128	941563	46.896	ng	100
9) Benzaldehyde	6.40	77	251067	17.419	ng	99
10) Phenol	6.53	94	1090420	46.129	ng	79
11) bis(2-Chloroethyl)ether	6.60	93	856157	45.551	ng	99
12) 1,3-Dichlorobenzene	6.80	146	1026687	44.808	ng	98
13) 1,4-Dichlorobenzene	6.87	146	1036104	44.207	ng	99
14) 1,2-Dichlorobenzene	7.03	146	963232	44.616	ng	98
15) Benzyl Alcohol	7.00	79	772020	47.908	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1145593	42.266	ng	74
17) 2-Methylphenol	7.13	107	734303	48.699	ng	# 92
18) Hexachloroethane	7.37	117	361693	46.237	ng	100
19) n-Nitroso-di-n-propylamine	7.27	70	619142	46.988	ng	99
20) 3+4-Methylphenols	7.27	107	920941	50.374	ng	# 84
22) Acetophenone	7.27	105	1209872	44.042	ng	98
24) Nitrobenzene	7.45	77	952309	52.356	ng	94
25) Isophorone	7.68	82	1706433	51.476	ng	98
26) 2-Nitrophenol	7.76	139	517623	54.529	ng	95
27) 2,4-Dimethylphenol	7.80	122	815247	52.980	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	1100942	48.416	ng	100
29) 2,4-Dichlorophenol	8.01	162	824679	49.060	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	892592	45.756	ng	99
31) Naphthalene	8.16	128	2589774	48.020	ng	99
32) Benzoic acid	7.93	122	328007	46.767	ng	94
33) 4-Chloroaniline	8.21	127	222228	9.169	ng	99
34) Hexachlorobutadiene	8.28	225	470043	43.298	ng	99
35) Caprolactam	8.59	113	253290m	43.052	ng	
36) 4-Chloro-3-methylphenol	8.71	107	795287	48.440	ng	100
37) 2-Methylnaphthalene	8.86	142	1820719	49.716	ng	98
38) 1-Methylnaphthalene	8.96	142	1724912	49.009	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	849456	46.396	ng	99

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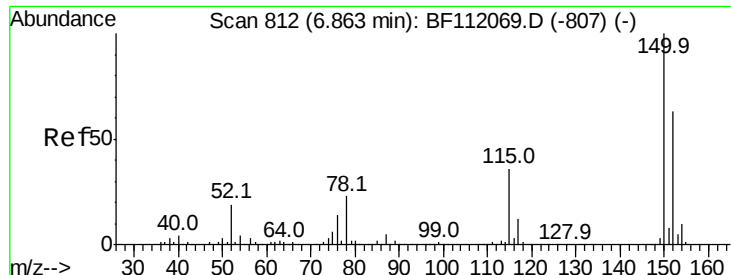
Manual Integrations
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 1/21/2019 12:00:41 PM

Quant Time: Jan 19 01:27:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	448191	63.107	nq	98
43) 2,4,6-Trichlorophenol	9.14	196	576784	52.661	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	597164	51.191	nq	99
46) 1,1'-Biphenyl	9.32	154	2160329	45.313	nq	98
47) 2-Chloronaphthalene	9.35	162	1684654	45.142	nq	98
48) 2-Nitroaniline	9.44	65	469025	55.797	nq	91
49) Acenaphthylene	9.76	152	2600898	47.758	nq	99
50) Dimethylphthalate	9.62	163	2324462	55.901	nq	100
51) 2,6-Dinitrotoluene	9.68	165	466219	56.144	nq #	86
52) Acenaphthene	9.93	154	1504289	45.146	nq	100
53) 3-Nitroaniline	9.85	138	237157	25.539	nq #	96
54) 2,4-Dinitrophenol	9.96	184	200519	76.146	nq	95
55) Dibenzofuran	10.10	168	2258695	44.824	nq	97
56) 4-Nitrophenol	10.03	139	545896	82.092	nq	99
57) 2,4-Dinitrotoluene	10.09	165	581497	53.926	nq	90
58) Fluorene	10.44	166	1728506	45.911	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	460445	52.307	nq	100
60) Diethylphthalate	10.32	149	1946327	47.952	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	865339	42.595	nq	94
62) 4-Nitroaniline	10.47	138	373226	40.476	nq	95
63) Azobenzene	10.60	77	1661967	42.757	nq	95
65) 4,6-Dinitro-2-methylphenol	10.50	198	183888	46.595	nq	89
66) n-Nitrosodiphenylamine	10.56	169	1583869	50.227	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	544908	49.181	nq	93
68) Hexachlorobenzene	11.00	284	560028	46.923	nq #	92
69) Atrazine	11.08	200	501795	49.313	nq	96
70) Pentachlorophenol	11.20	266	471905	82.065	nq	98
71) Phenanthrene	11.41	178	2350993	48.974	nq	99
72) Anthracene	11.46	178	2310882	47.521	nq	99
73) Carbazole	11.62	167	1938774	39.799	nq	98
74) Di-n-butylphthalate	11.94	149	2571165	46.922	nq	99
75) Fluoranthene	12.60	202	2153886	42.496	nq	99
77) Benzidine	12.71	184	332063	15.671	nq	95
78) Pyrene	12.83	202	2122798	50.662	nq	99
80) Butylbenzylphthalate	13.44	149	935421	50.887	nq	99
81) Benzo(a)anthracene	14.02	228	1808818	49.672	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	444251	32.576	nq	99
83) Chrysene	14.05	228	1711721	49.677	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	1366335	51.863	nq	100
85) Di-n-octyl phthalate	14.61	149	2095088	51.614	nq	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	1726444	54.309	nq	98
88) Benzo(b)fluoranthene	15.07	252	2015745	53.489	nq	99
89) Benzo(k)fluoranthene	15.10	252	1645220	45.106	nq	99
90) Benzo(a)pyrene	15.44	252	1788852	51.761	nq	99
91) Dibenzo(a,h)anthracene	17.00	278	1439264	46.889	nq	99
92) Benzo(g,h,i)perylene	17.43	276	1346762	44.536	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

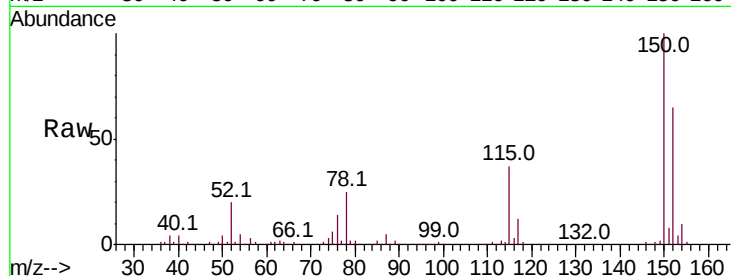
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.4	191.0
115	57.4	45.5	68.3

Manual Integrations
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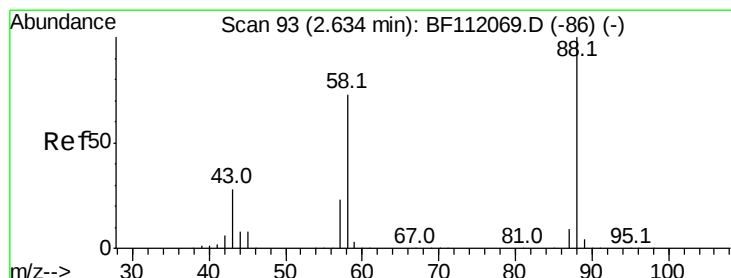
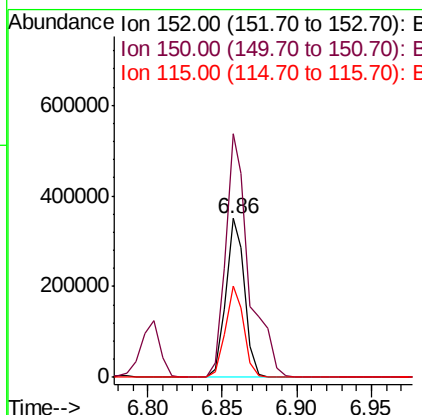
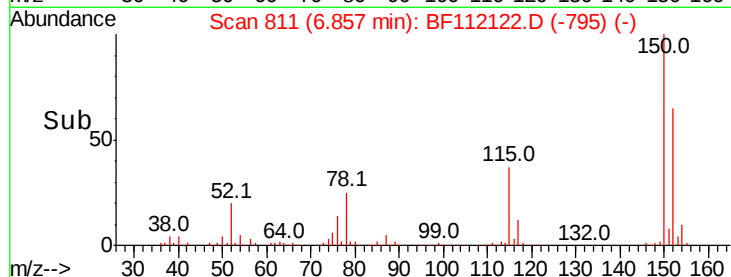


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

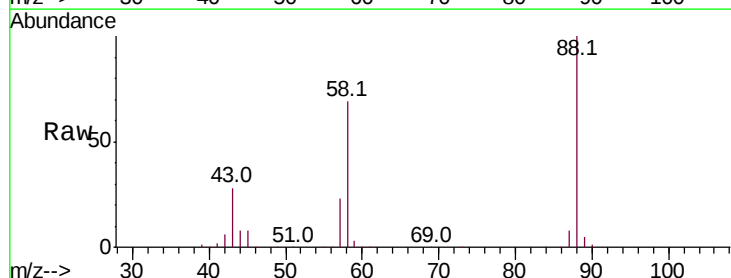
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.822 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.06 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.8	57.4	86.2
43	28.1	22.2	33.4

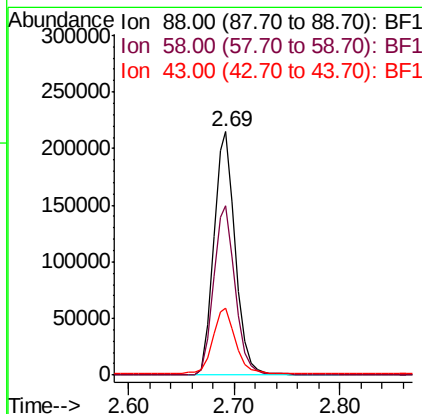
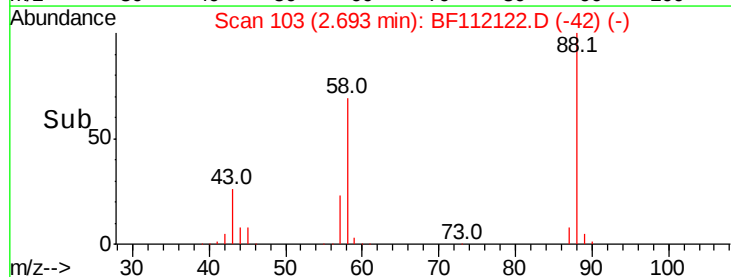


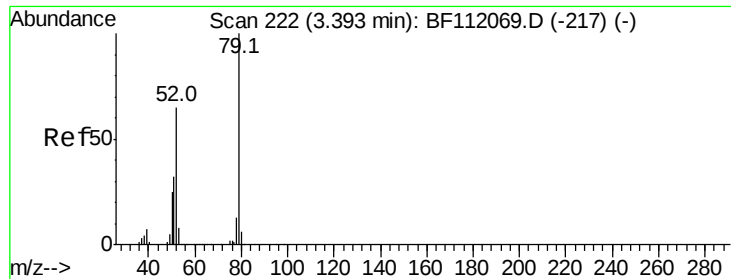
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





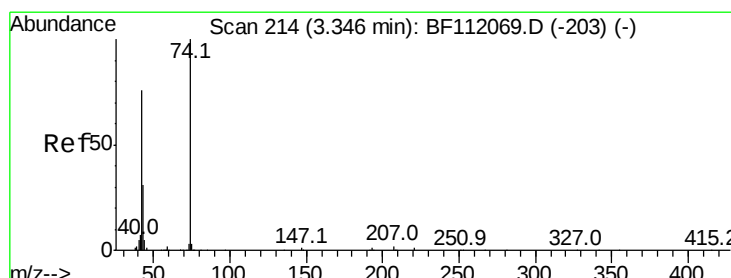
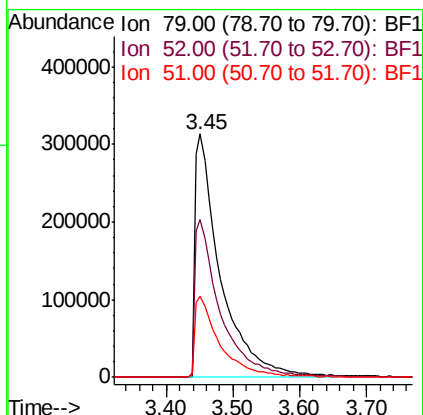
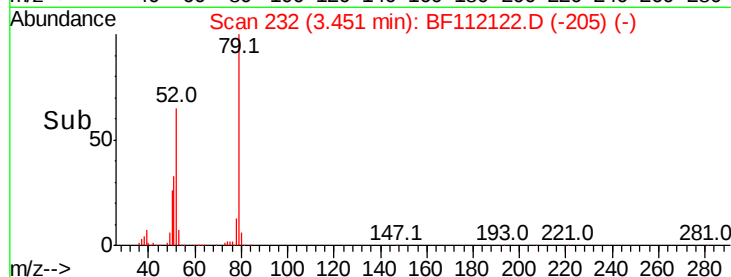
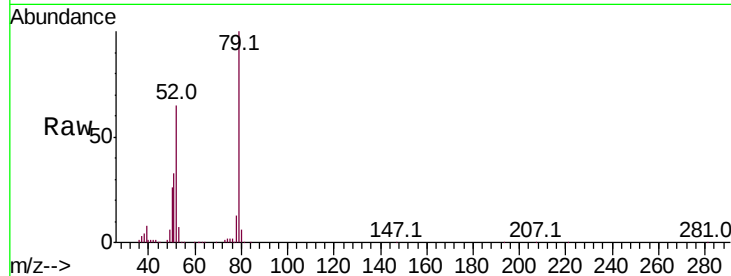
#3
 Pvridine
 Concen: 39.929 ng
 RT: 3.45 min Scan# 232
 Delta R.T. 0.06 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.8	52.4	78.6
51	33.1	26.1	39.1

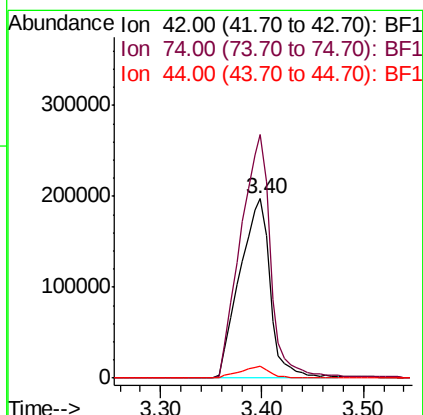
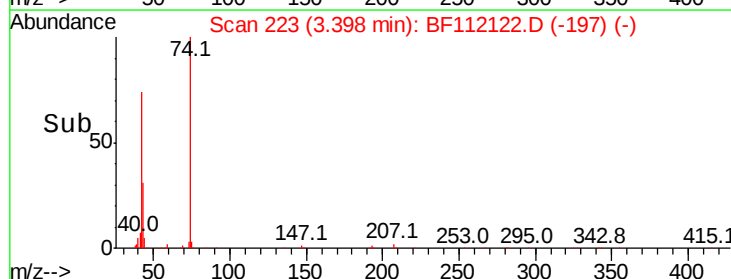
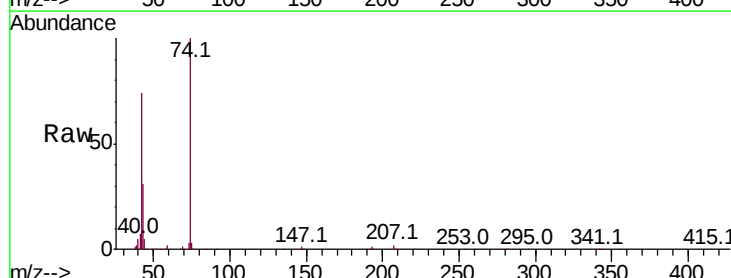
Manual Integrations
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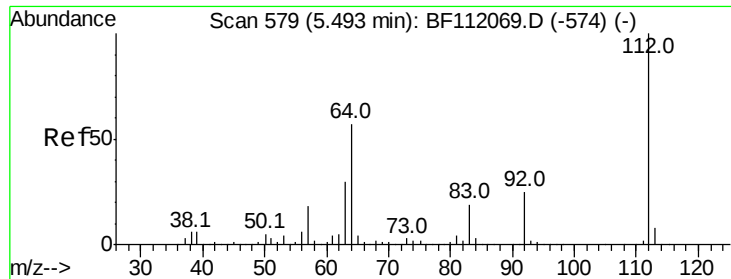
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#4
 n-Nitrosodimethylamine
 Concen: 50.261 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.05 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.6	105.6	158.4
44	6.5	5.4	8.2





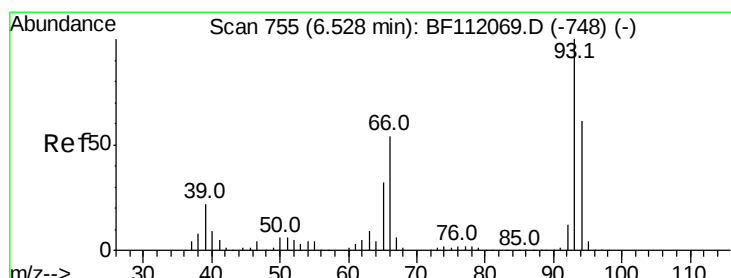
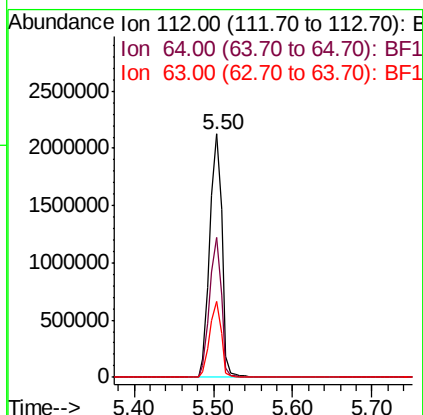
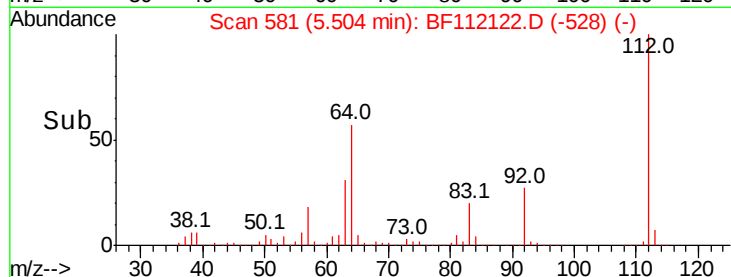
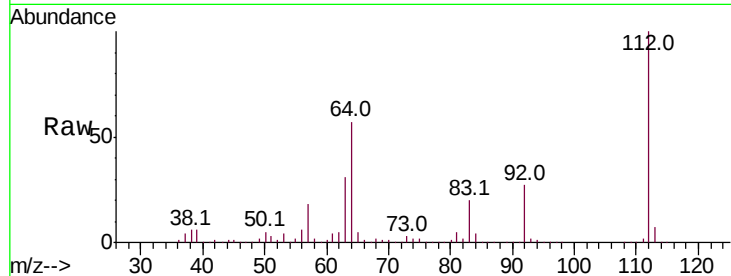
#5
2-Fluorophenol
Concen: 132.125 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion:112 Resp: 2284124
Ion Ratio Lower Upper
112 100
64 57.3 45.7 68.5
63 30.9 23.6 35.4

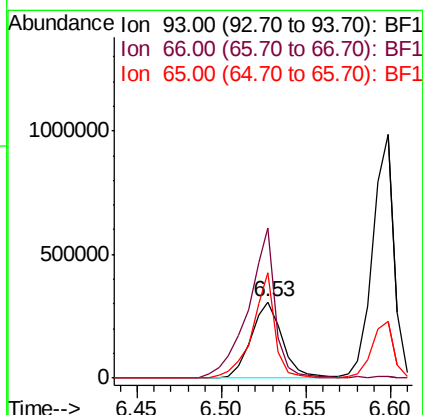
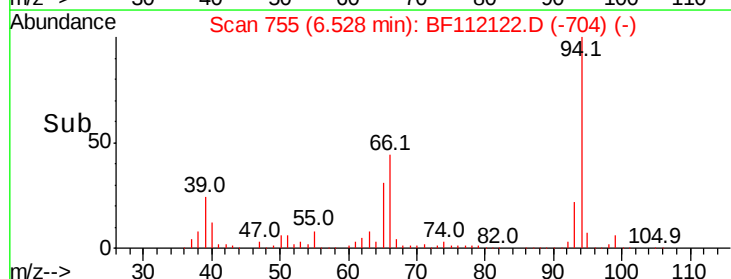
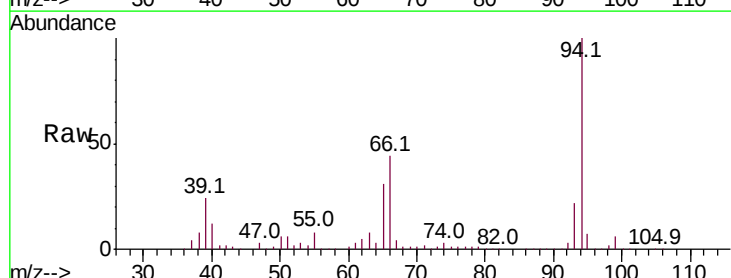
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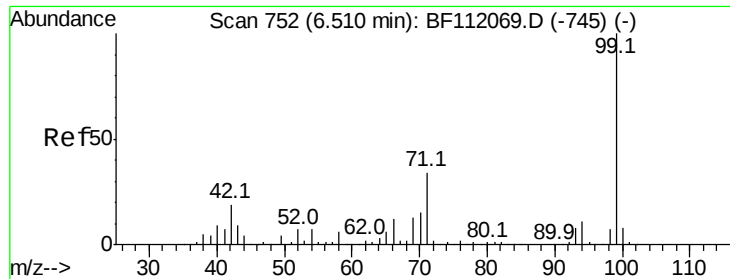
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#6
Aniline
Concen: 15.148 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion: 93 Resp: 398496
Ion Ratio Lower Upper
93 100
66 196.2 43.4 65.2#
65 137.7 25.3 37.9#





#7

Phenol-d6

Concen: 132.356 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion: 99 Resp: 2862782

Ion Ratio Lower Upper

99 100

42 19.5 15.1 22.7

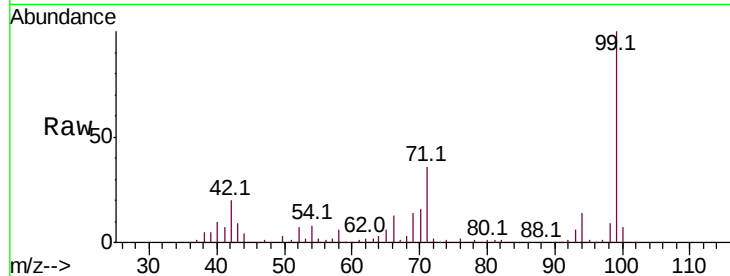
71 35.8 26.9 40.3

Manual Integrations

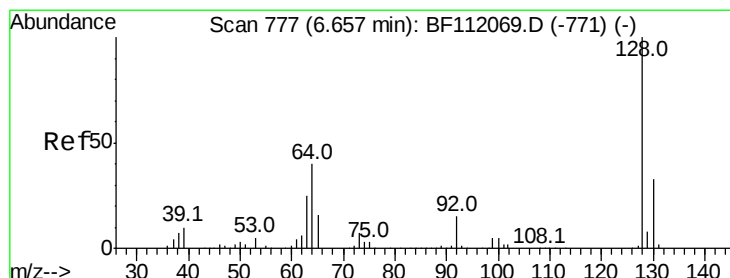
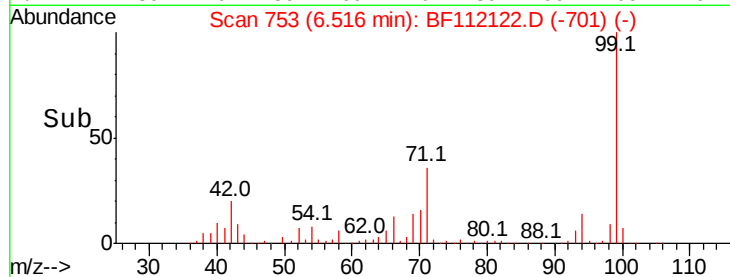
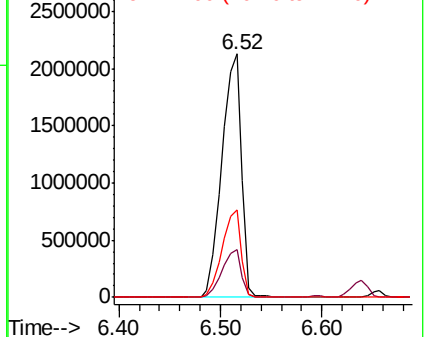
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.896 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

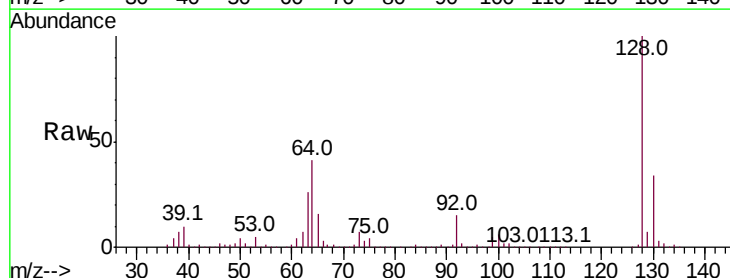
Tgt Ion:128 Resp: 941563

Ion Ratio Lower Upper

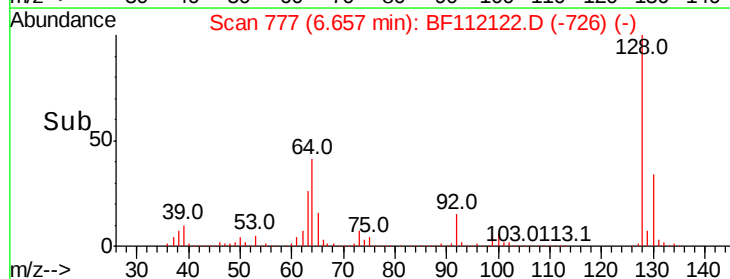
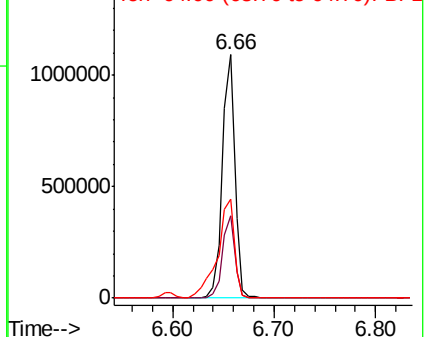
128 100

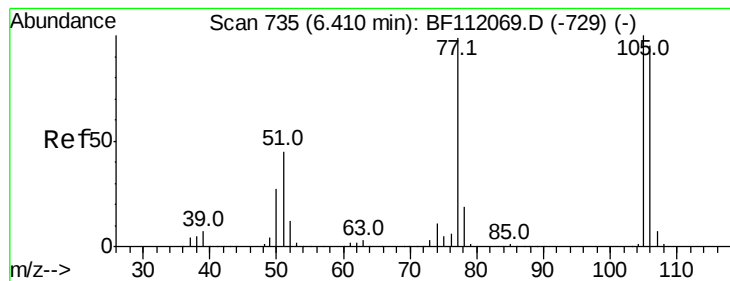
130 33.6 13.4 53.4

64 40.6 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.419 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion: 77 Resp: 251067

Ion Ratio Lower Upper

77 100

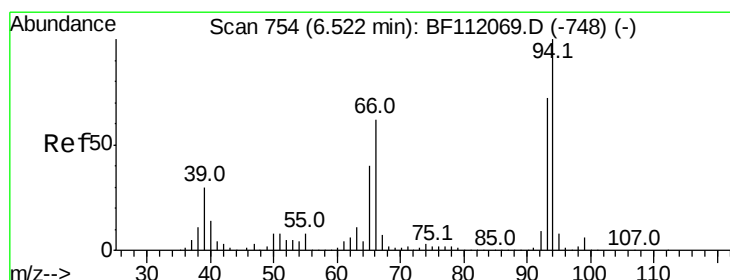
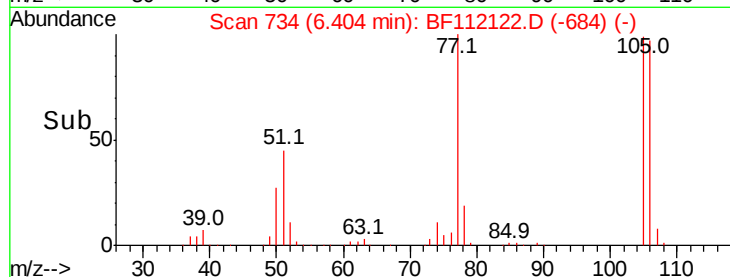
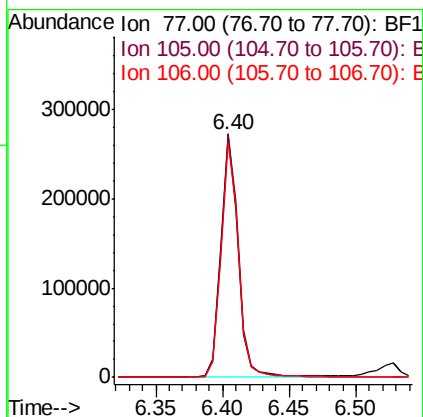
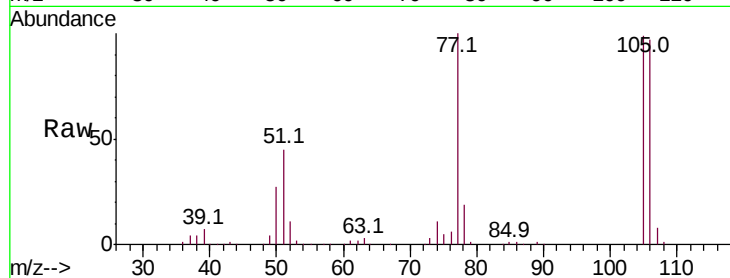
105 99.3 80.8 120.8

106 96.5 75.7 115.7

Manual Integrations
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#10

Phenol

Concen: 46.129 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

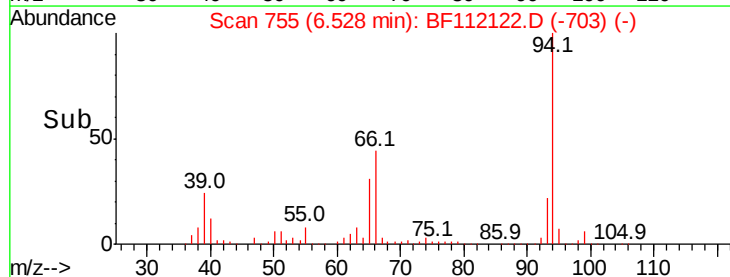
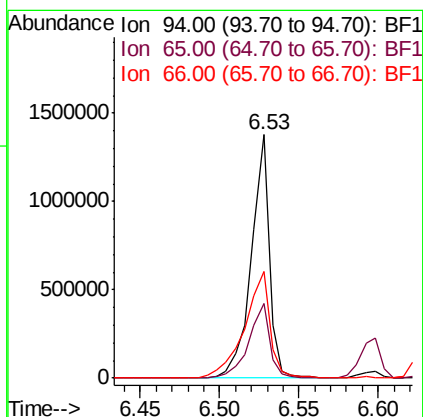
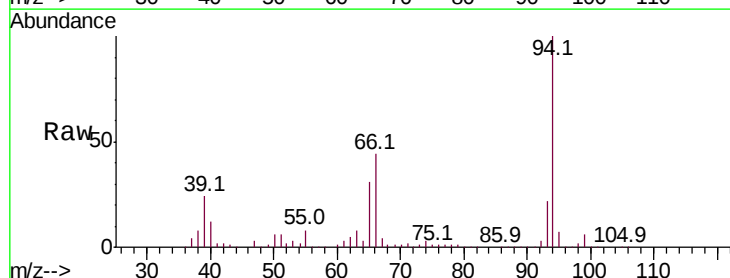
Tgt Ion: 94 Resp: 1090420

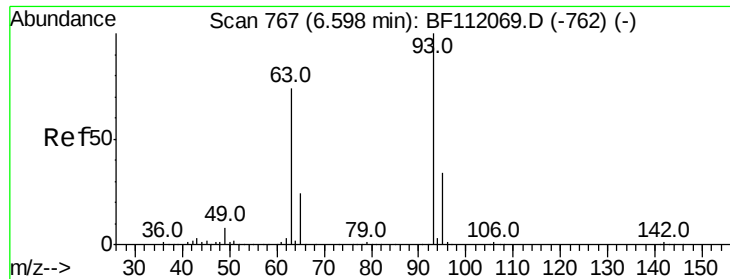
Ion Ratio Lower Upper

94 100

65 30.8 20.3 60.3

66 43.9 42.4 82.4





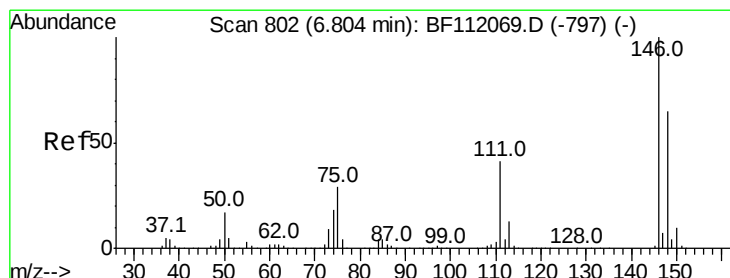
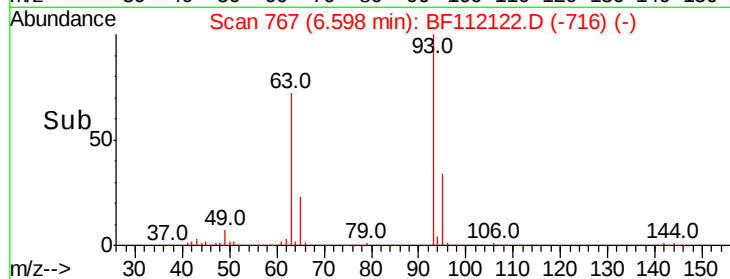
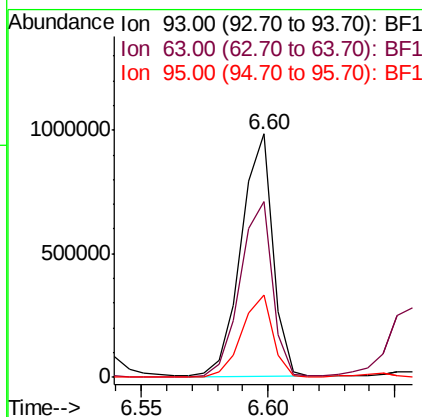
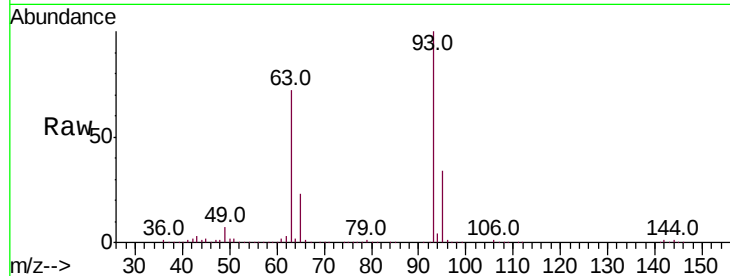
#11
 bis(2-Chloroethyl)ether
 Concen: 45.551 ng
 RT: 6.60 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion:	93	Resp:	856157
Ion Ratio	Lower	Upper	
93	100		
63	72.1	53.3	93.3
95	33.7	13.4	53.4

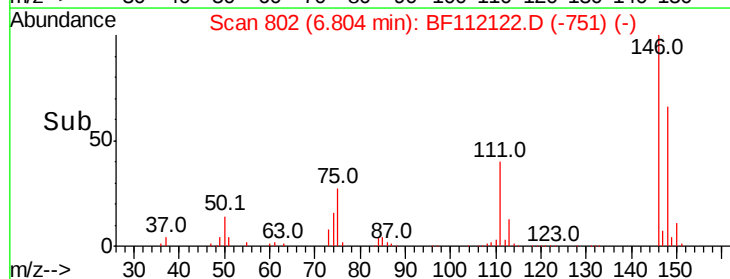
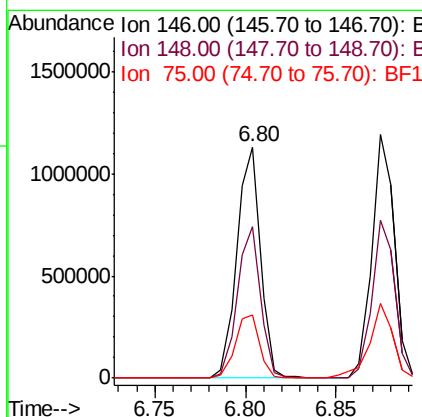
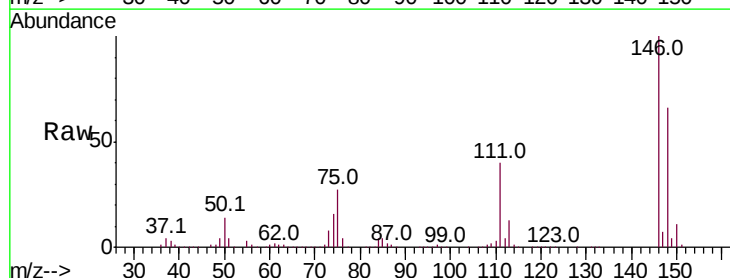
Manual Integrations
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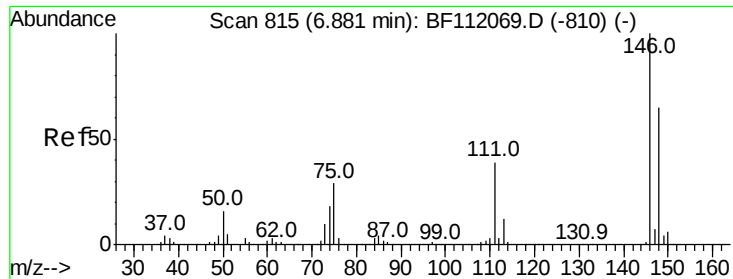
Sohil
 1/21/2019 12:00:41 PM



#12
 1,3-Dichlorobenzene
 Concen: 44.808 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion:	146	Resp:	1026687
Ion Ratio	Lower	Upper	
146	100		
148	65.7	51.8	77.8
75	27.3	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 44.207 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion:146 Resp: 1036104

Ion Ratio Lower Upper

146 100

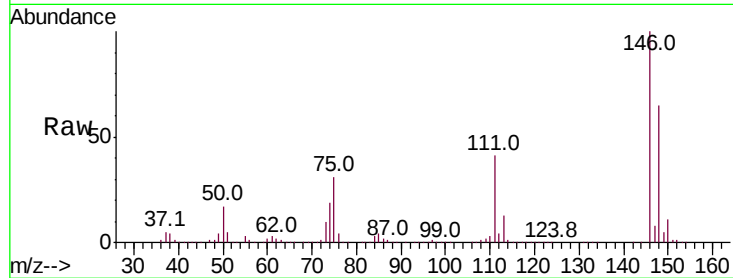
148 65.1 52.0 78.0

111 40.7 31.2 46.8

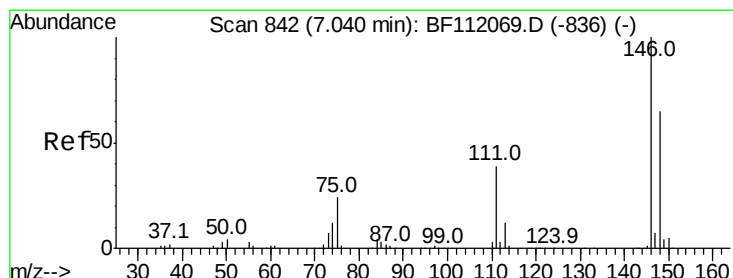
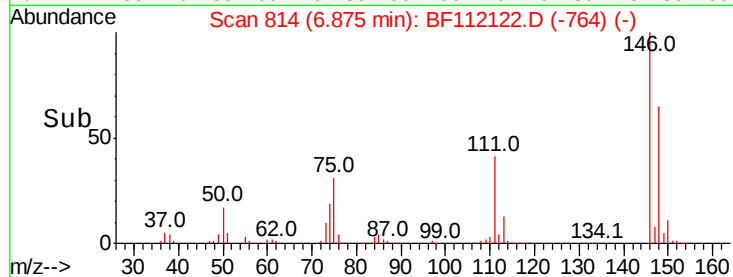
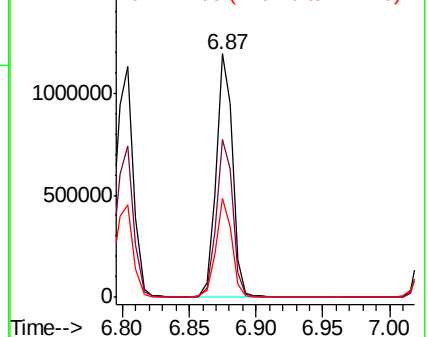
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.616 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

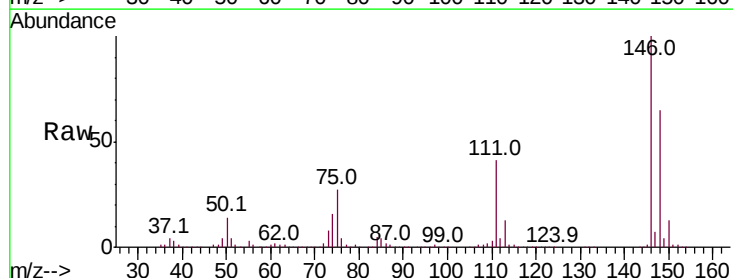
Tgt Ion:146 Resp: 963232

Ion Ratio Lower Upper

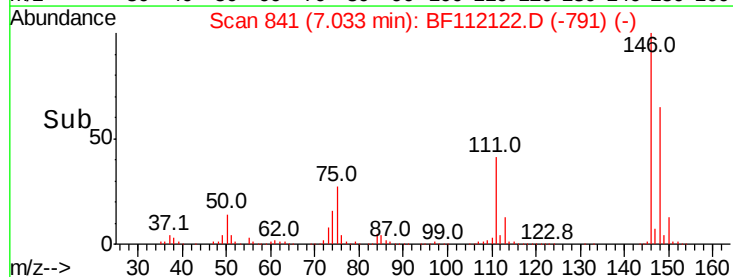
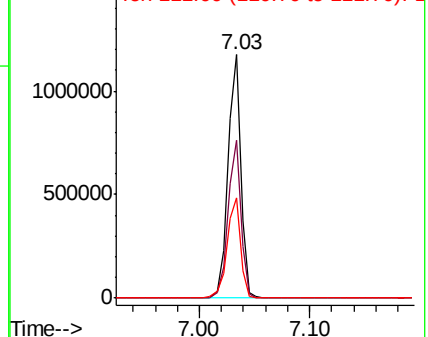
146 100

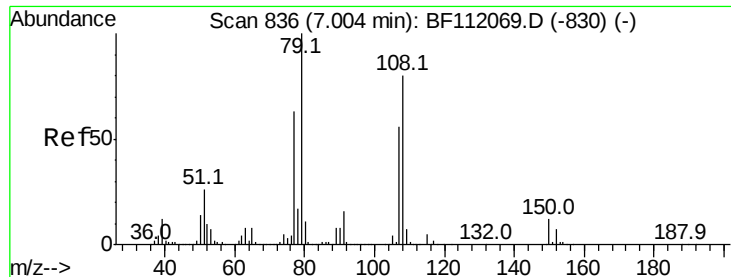
148 65.1 52.2 78.4

111 41.4 31.2 46.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





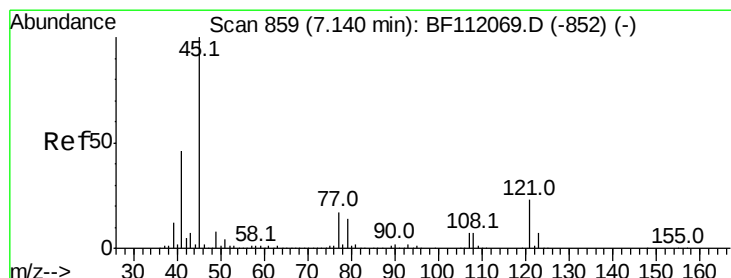
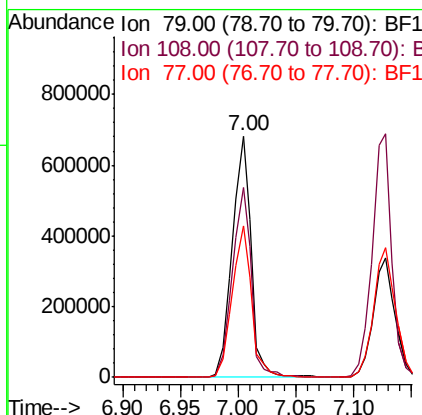
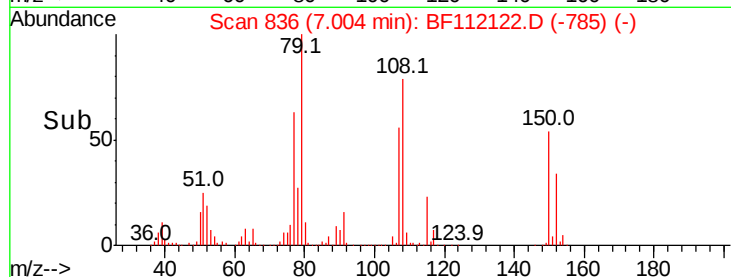
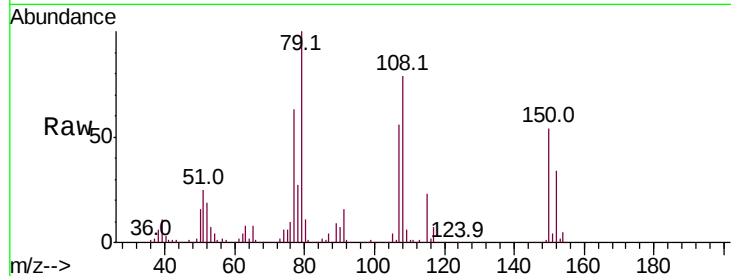
#15
Benzyl Alcohol
Concen: 47.908 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.5	64.2	96.2
77	62.8	50.3	75.5

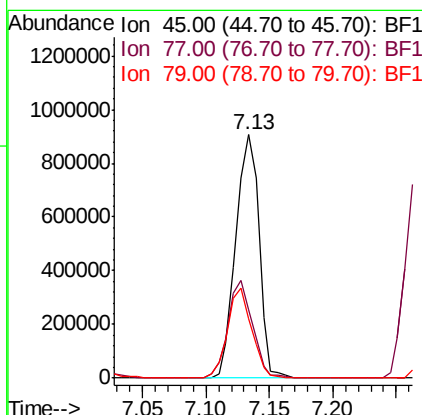
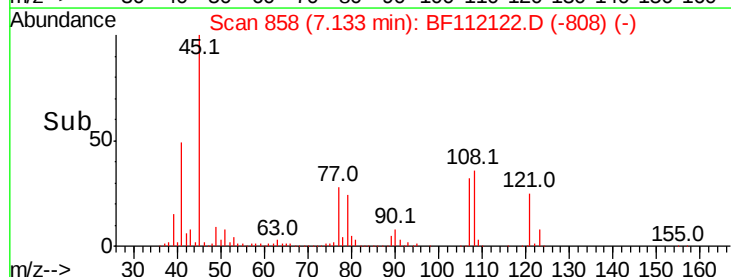
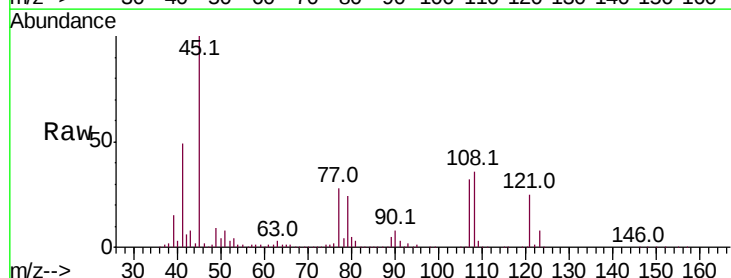
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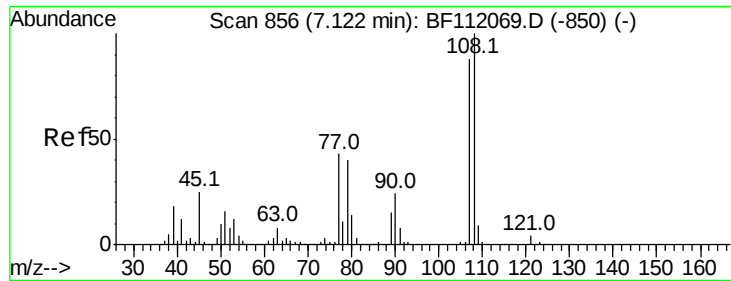
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#16
2,2'-oxybis(1-chloropropane)
Concen: 42.266 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
45	100		
77	28.0	0.0	36.9
79	24.5	0.0	34.0





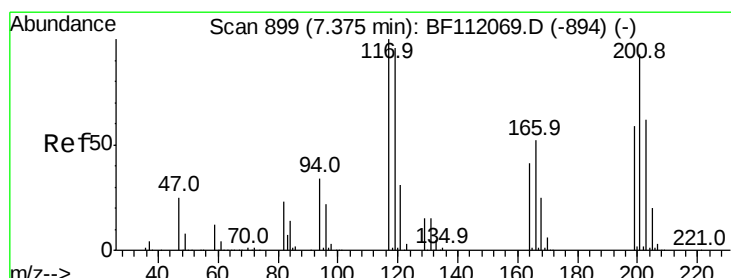
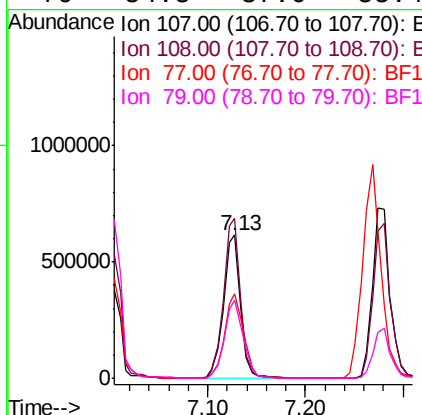
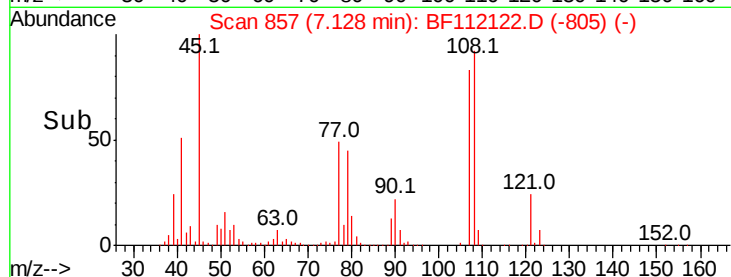
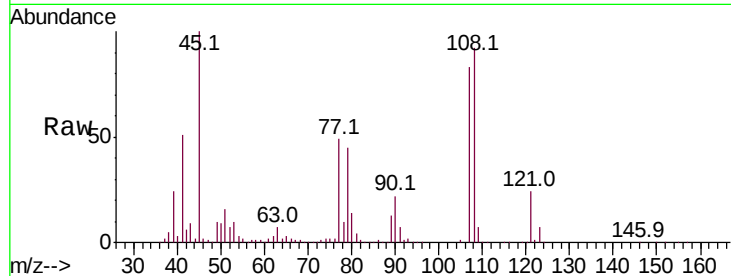
#17
2-Methylphenol
Concen: 48.699 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.7	91.3	136.9	
77	59.2	39.0	58.6	
79	54.8	37.0	55.4	

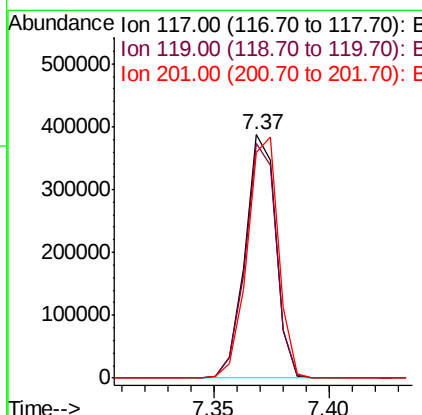
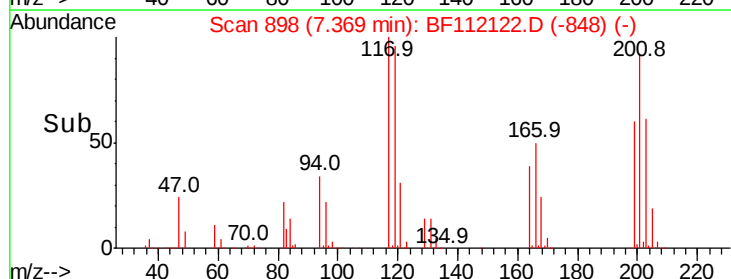
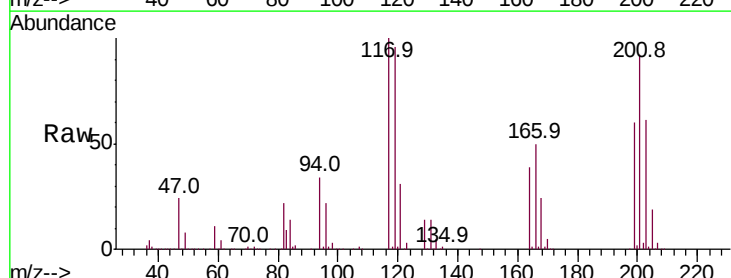
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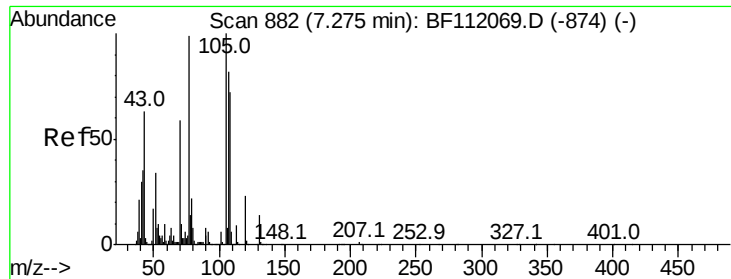
Sohil
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#18
Hexachloroethane
Concen: 46.237 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.2	77.0	115.4	
201	92.5	74.1	111.1	





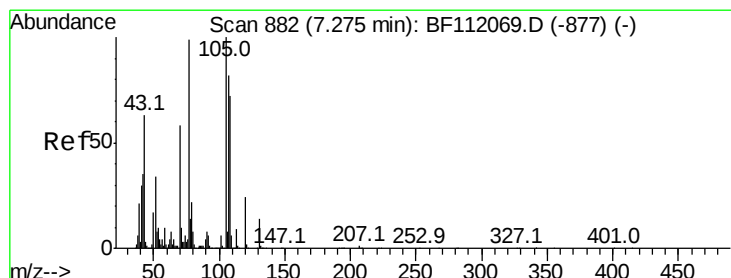
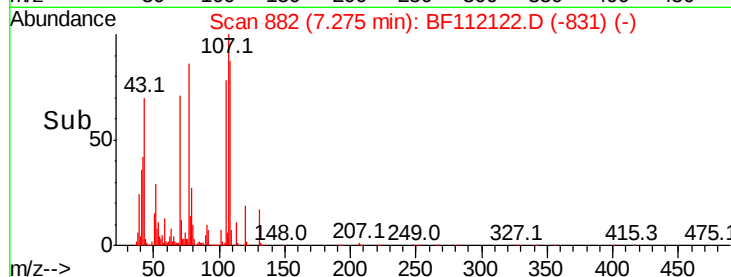
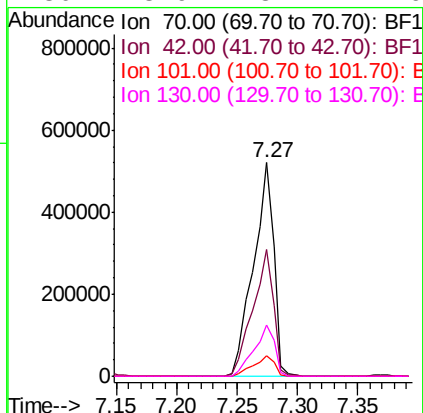
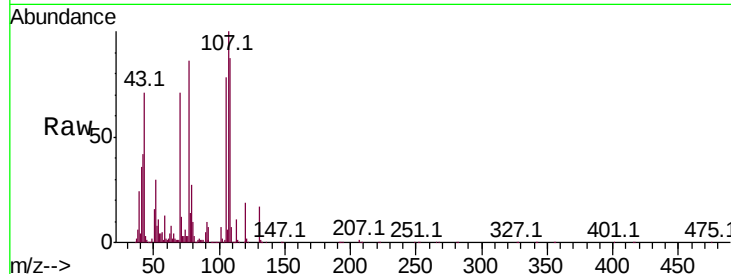
#19
n-Nitroso-di-n-propylamine
Concen: 46.988 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.0	47.6	71.4
101	9.8	7.9	11.9
130	23.9	18.4	27.6

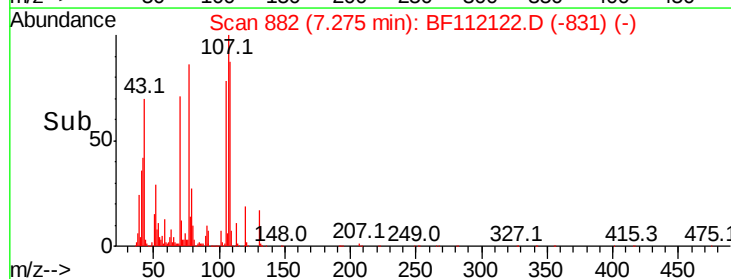
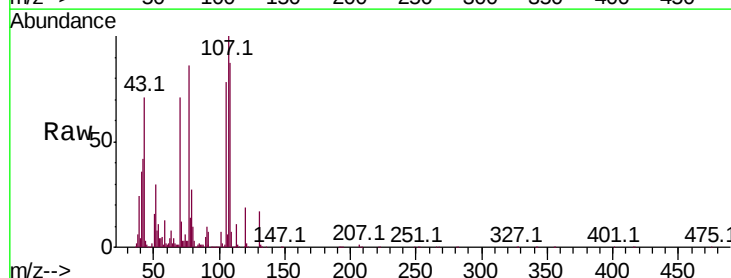
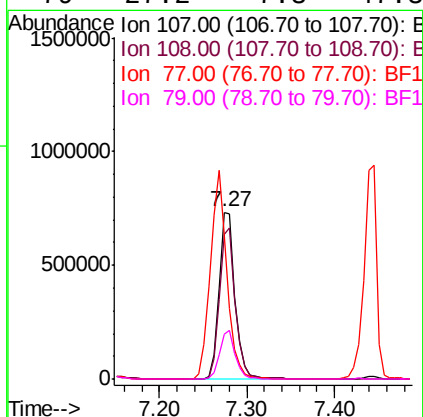
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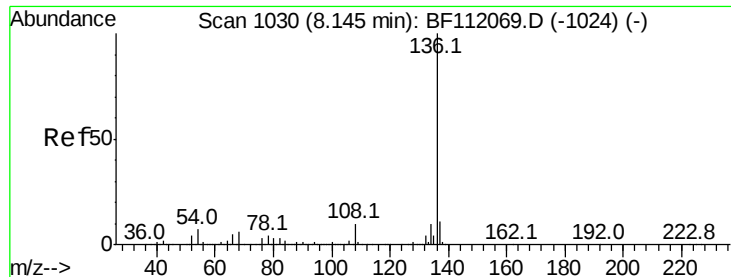
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#20
3+4-Methylphenols
Concen: 50.374 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.6	68.2	108.2
77	86.4	100.7	140.7#
79	27.2	7.3	47.3





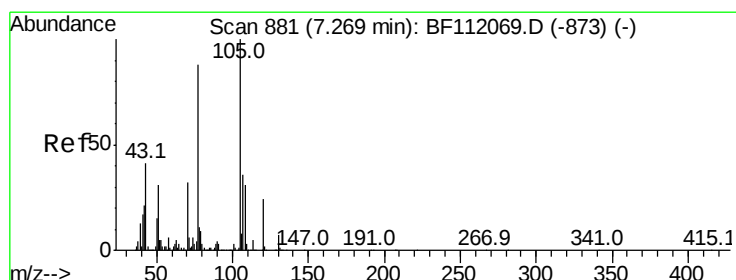
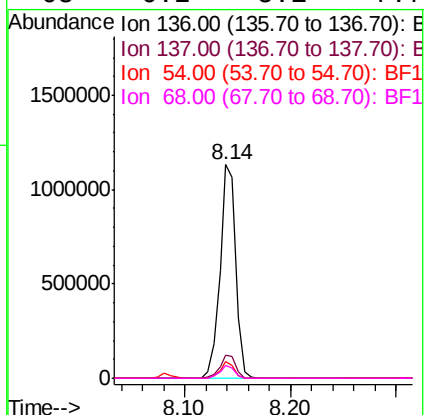
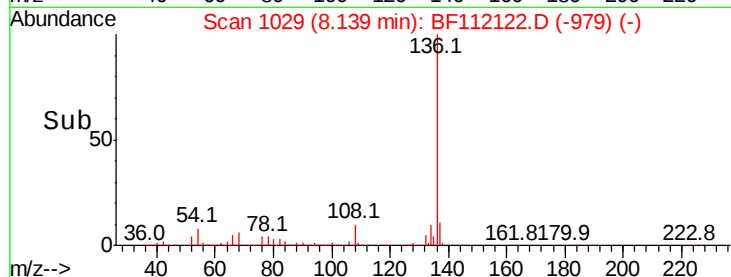
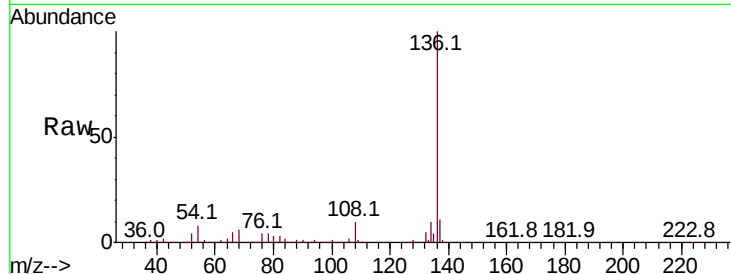
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	136	Resp	1185750
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.5	5.9	8.9
68	6.2	5.1	7.7

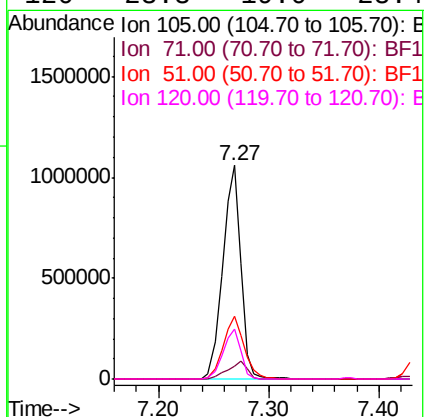
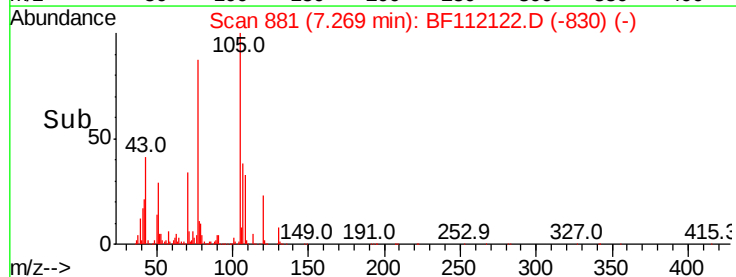
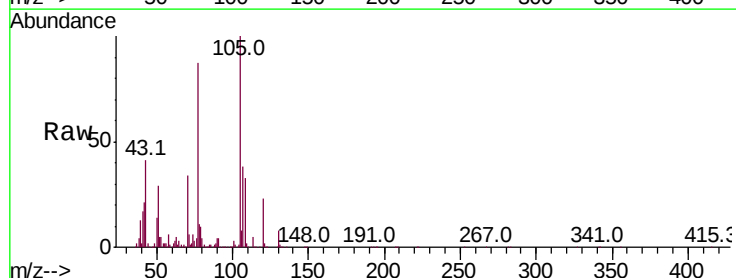
Manual Integrations
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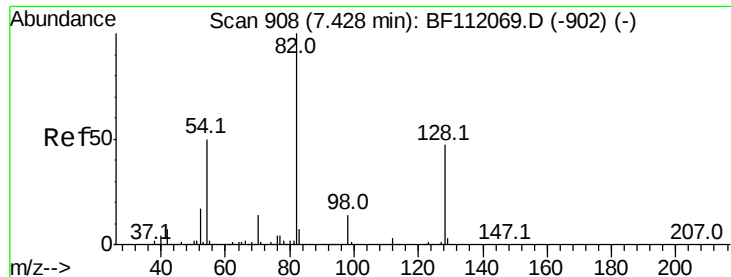
Sohil
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#22
Acetophenone
Concen: 44.042 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	105	Resp	1209872
Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.6	6.8
51	29.4	25.0	37.6
120	23.3	19.0	28.4





#23
 Nitrobenzene-d5
 Concen: 109.381 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

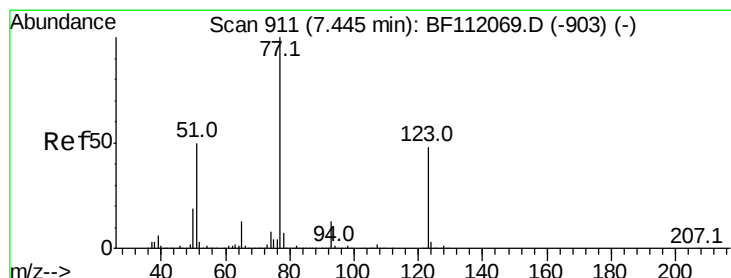
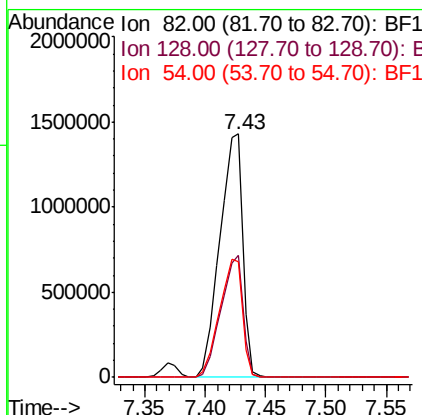
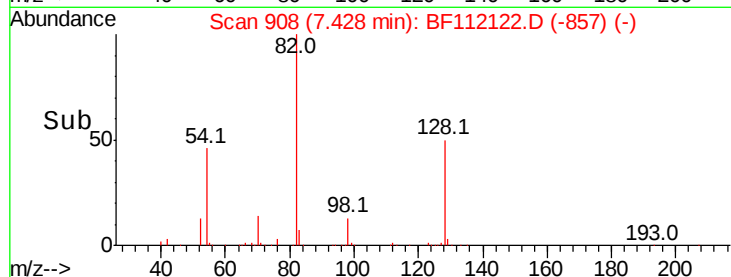
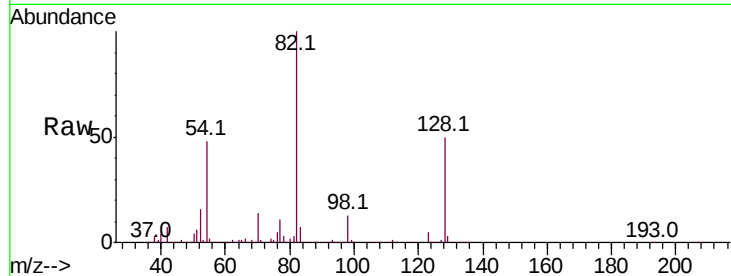
Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion: 82 Resp: 1877267

Ion	Ratio	Lower	Upper
82	100		
128	50.1	37.8	56.8
54	47.7	39.7	59.5

Manual Integrations
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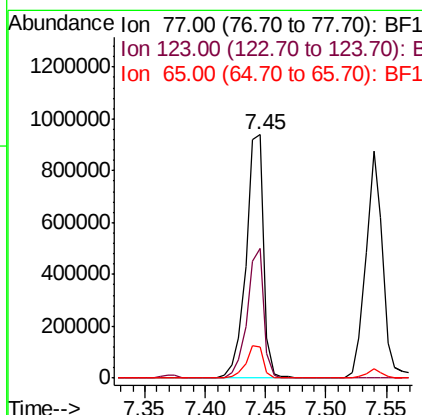
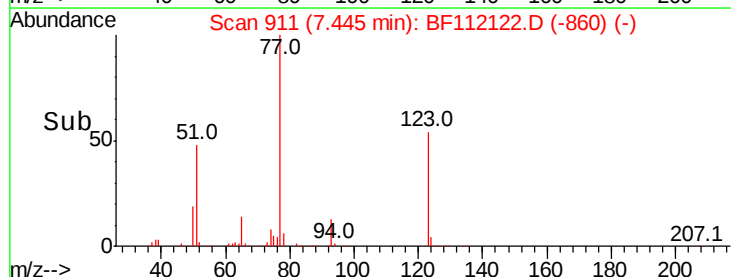
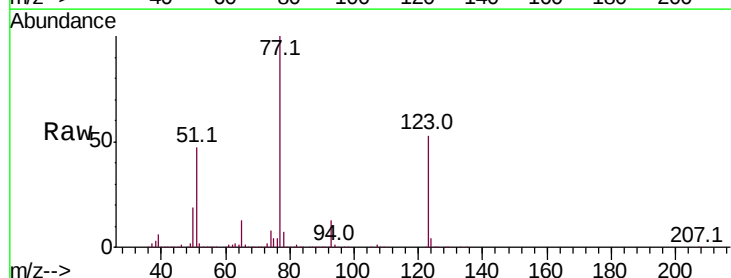
Sohil
 1/21/2019 12:00:41 PM

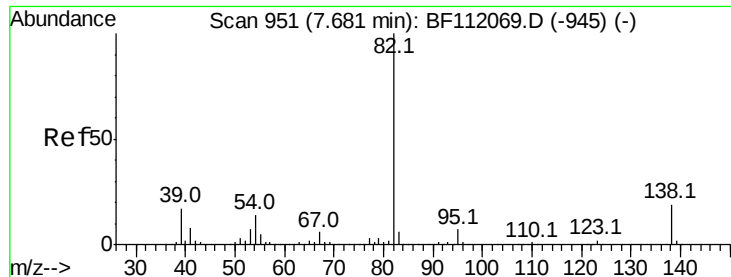


#24
 Nitrobenzene
 Concen: 52.356 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion: 77 Resp: 952309

Ion	Ratio	Lower	Upper
77	100		
123	53.4	38.4	57.6
65	13.0	10.6	15.8





#25

Isophorone

Concen: 51.476 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion: 82 Resp: 1706433

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

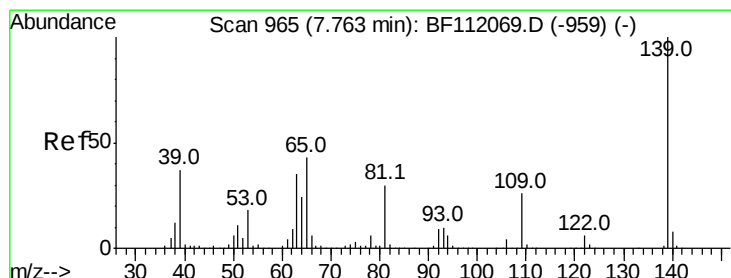
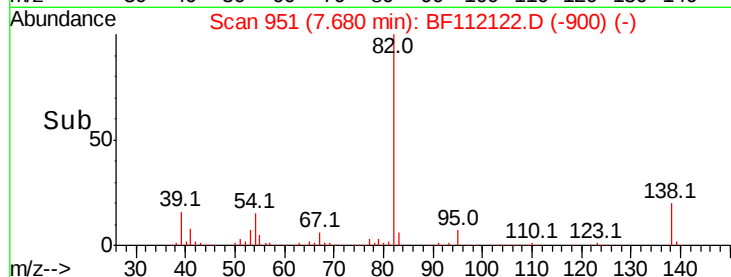
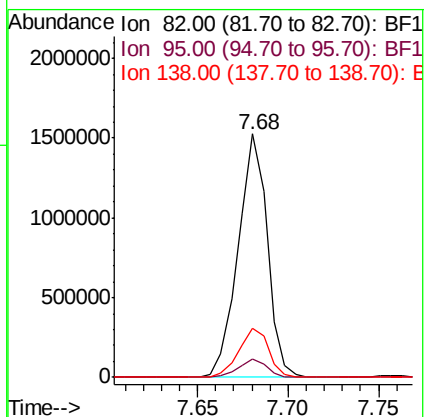
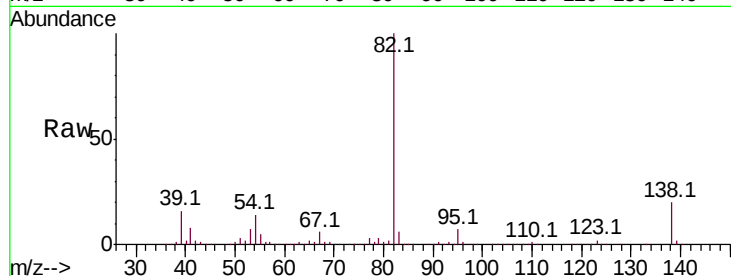
138 20.3 15.4 23.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 54.529 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

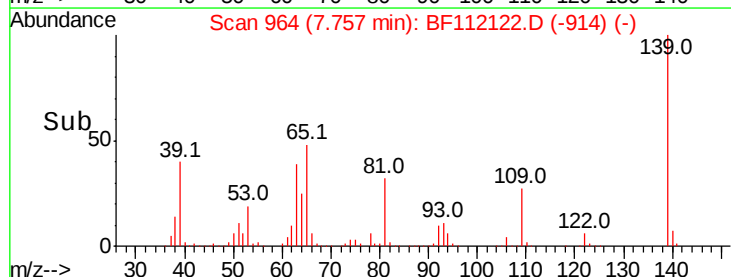
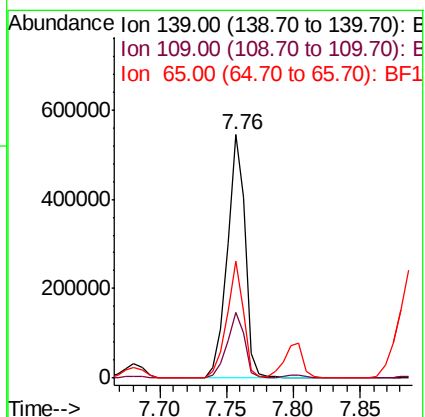
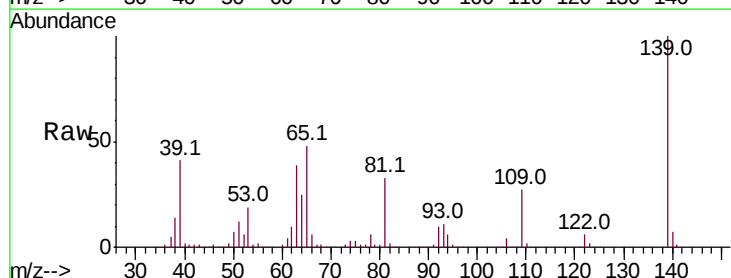
Tgt Ion: 139 Resp: 517623

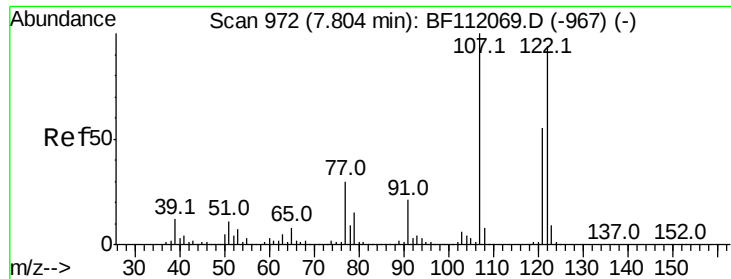
Ion Ratio Lower Upper

139 100

109 27.0 20.8 31.2

65 47.8 34.4 51.6





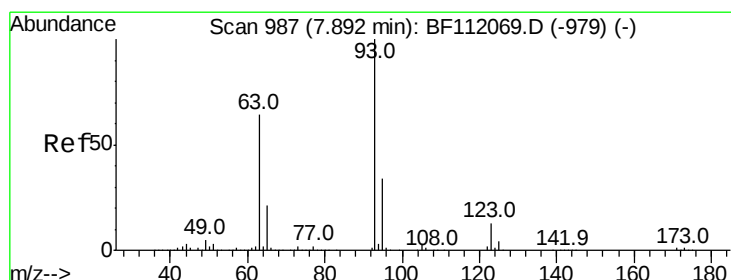
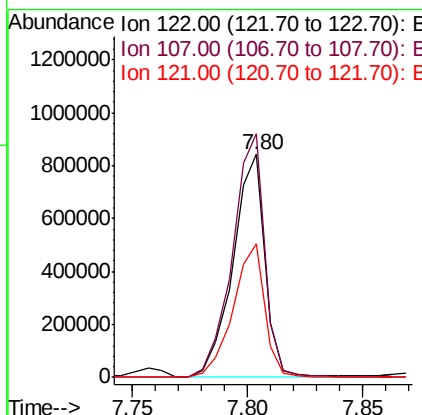
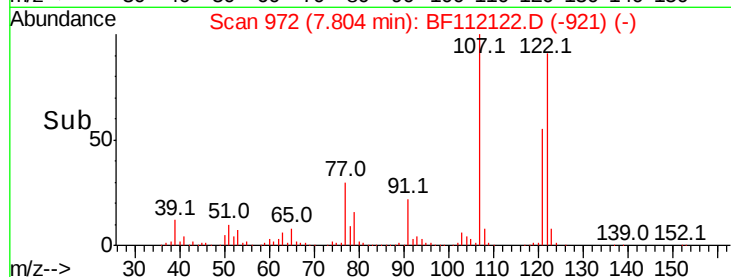
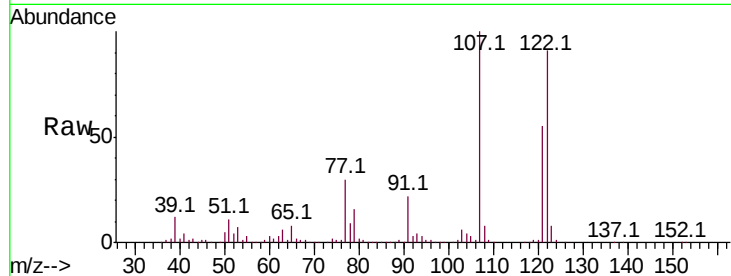
#27
 2,4-Dimethylphenol
 Concen: 52.980 ng
 RT: 7.80 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	85.4	128.0
121	60.2	47.0	70.4

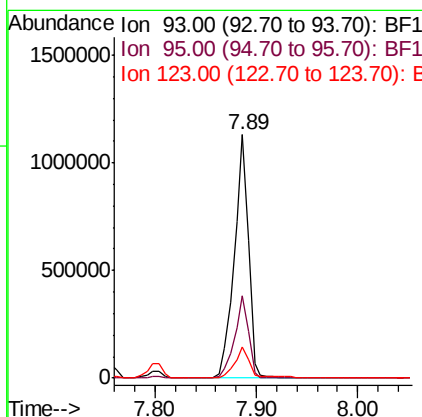
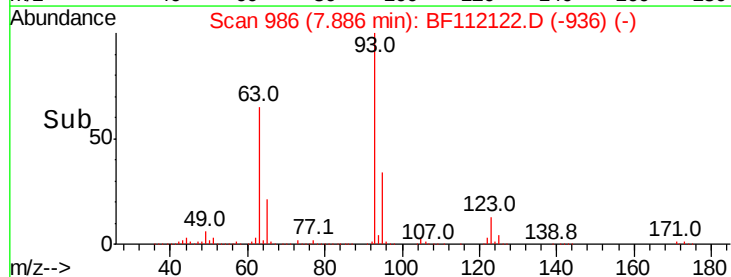
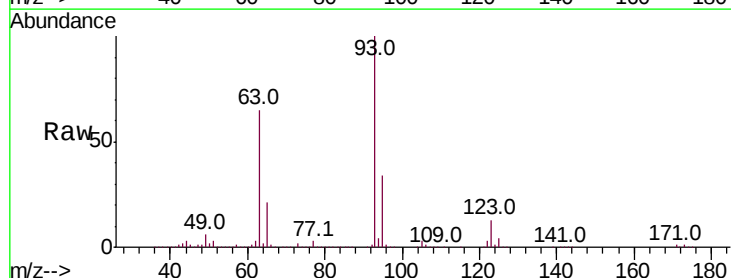
Manual Integrations
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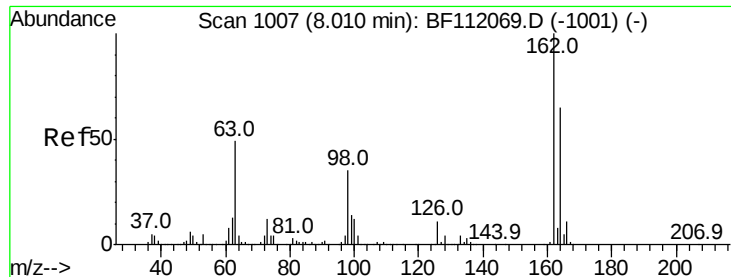
Sohil
 1/21/2019 12:00:41 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.416 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.8	40.2
123	12.6	10.2	15.2





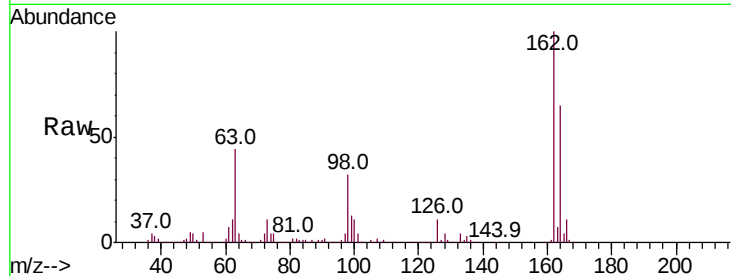
#29
2,4-Dichlorophenol
Concen: 49.060 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.6	84.6
98	32.2	14.6	54.6

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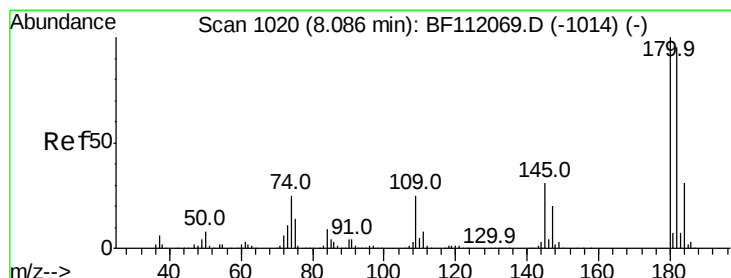
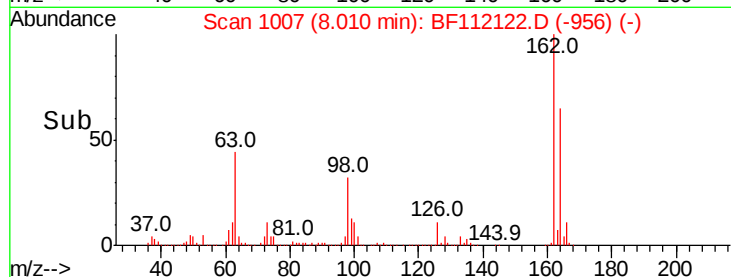
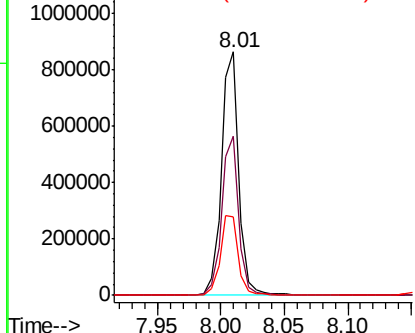


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 45.756 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

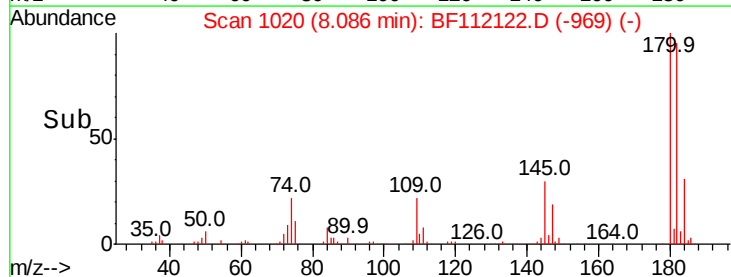
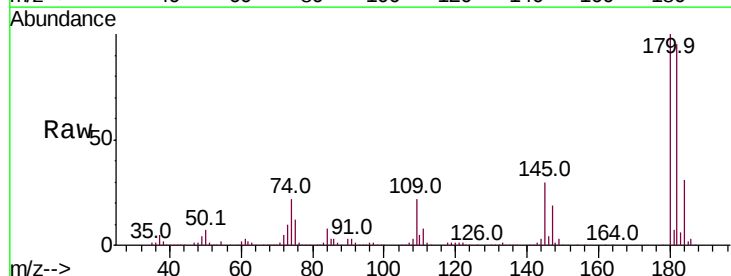
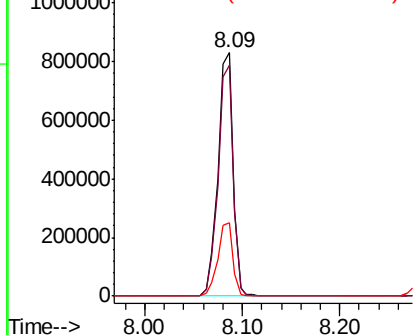
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	29.9	25.0	37.4

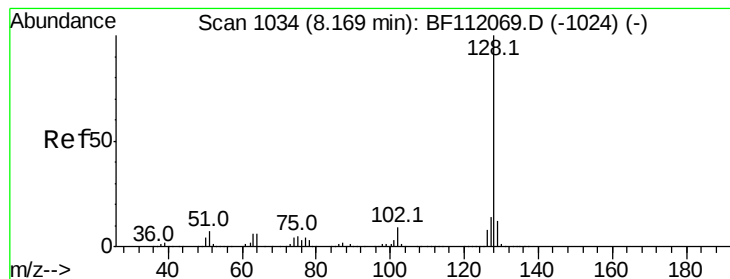
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 48.020 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion:128 Resp: 2589774

Ion Ratio Lower Upper

128 100

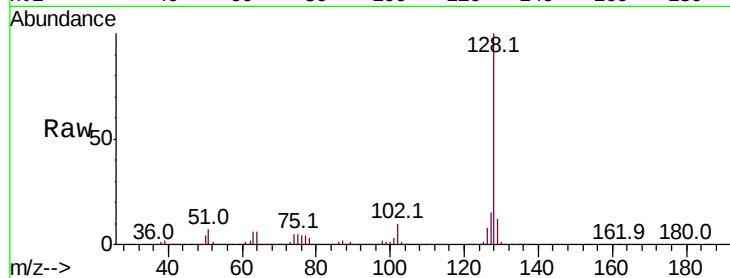
129 12.2 9.6 14.4

127 14.7 11.1 16.7

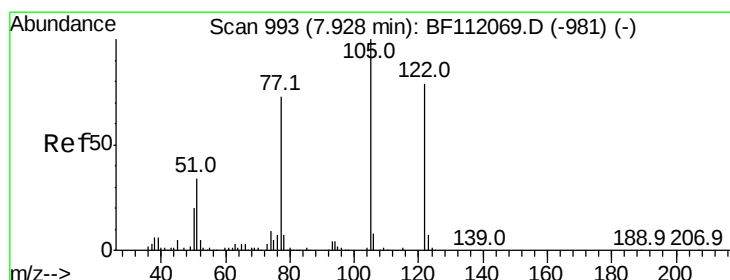
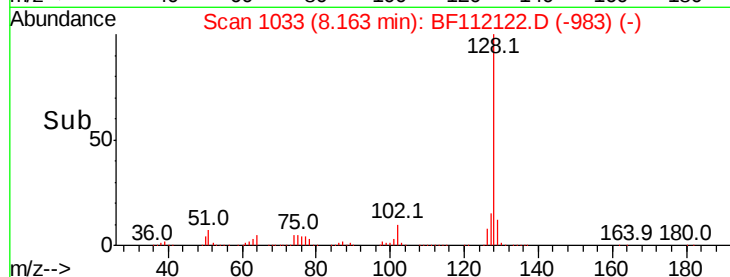
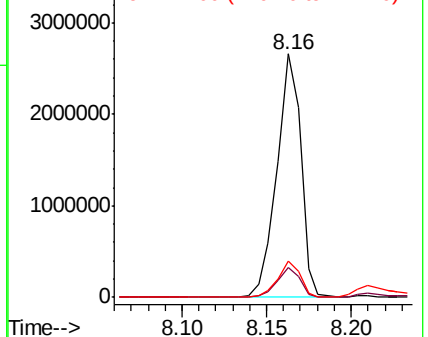
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.767 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

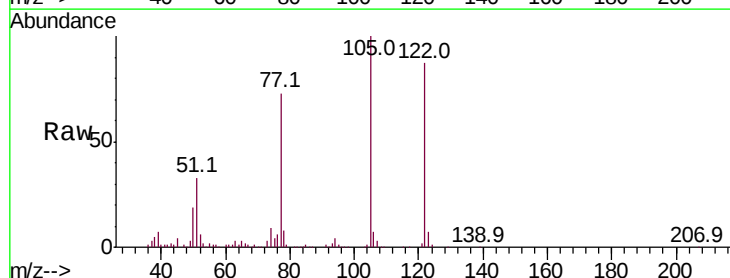
Tgt Ion:122 Resp: 328007

Ion Ratio Lower Upper

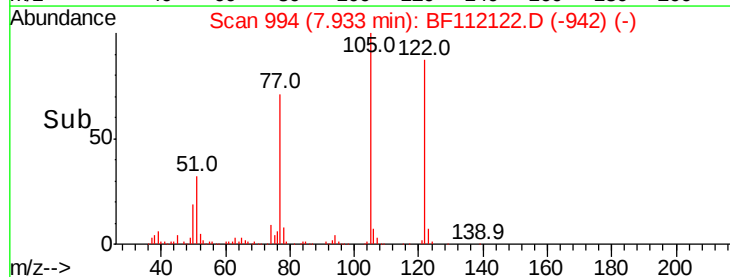
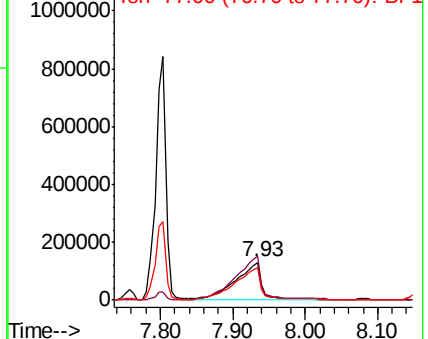
122 100

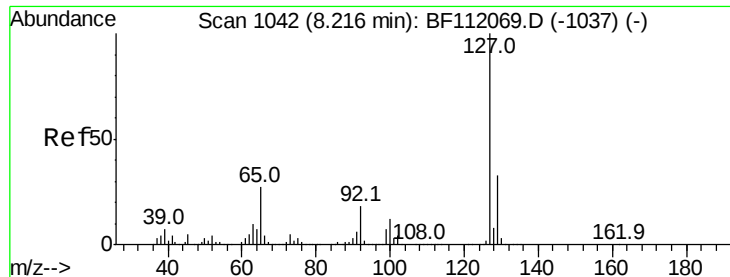
105 115.3 101.2 141.2

77 84.5 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





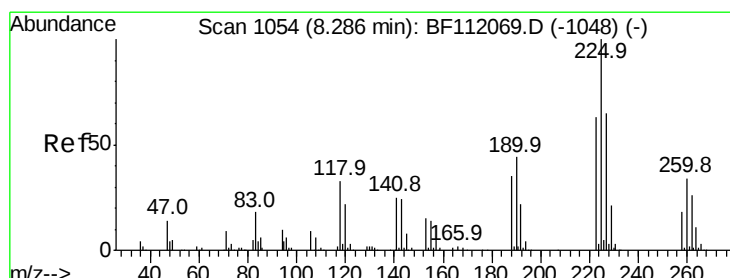
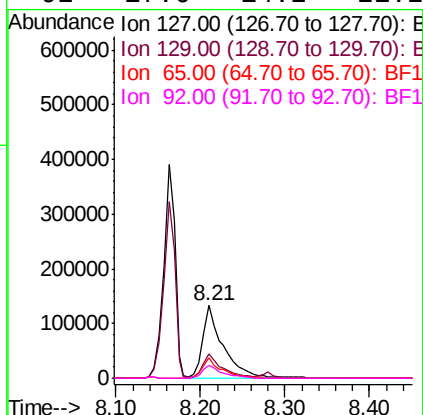
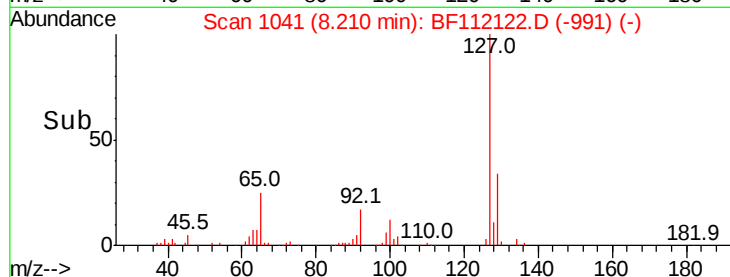
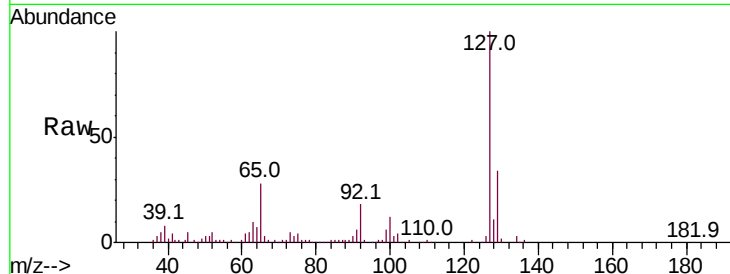
#33
4-Chloroaniline
Concen: 9.169 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	34.0	26.6	39.8
65	27.7	21.4	32.2
92	17.6	14.2	21.2

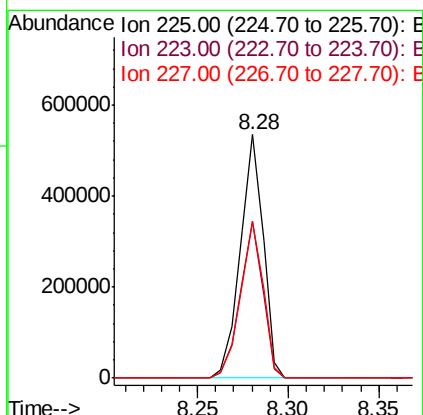
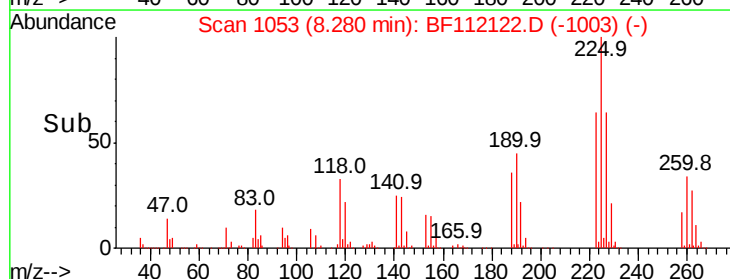
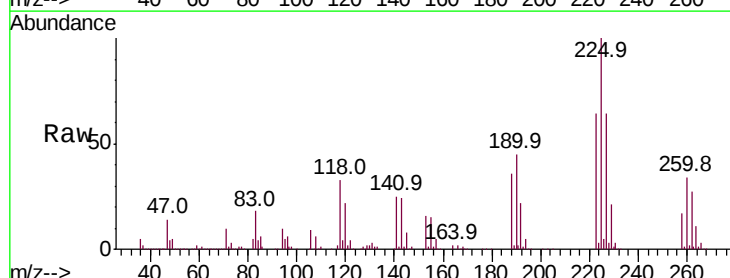
Manual Integrations
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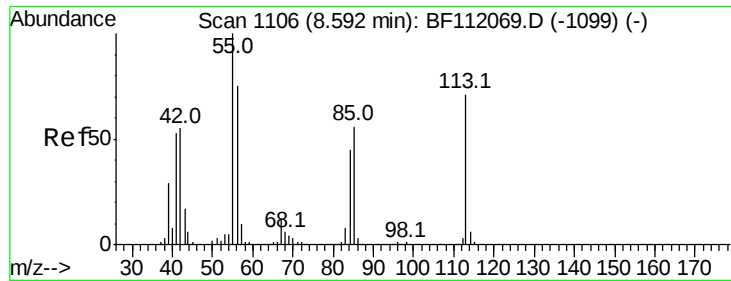
Sohil
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#34
Hexachlorobutadiene
Concen: 43.298 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	64.3	51.8	77.8





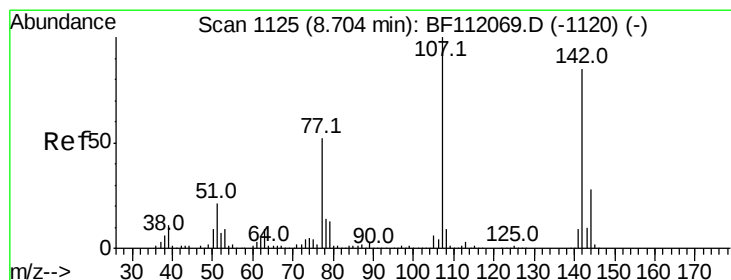
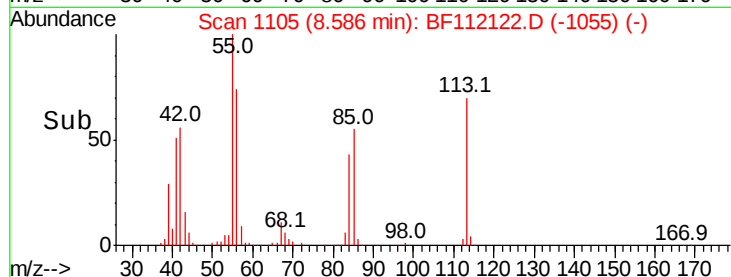
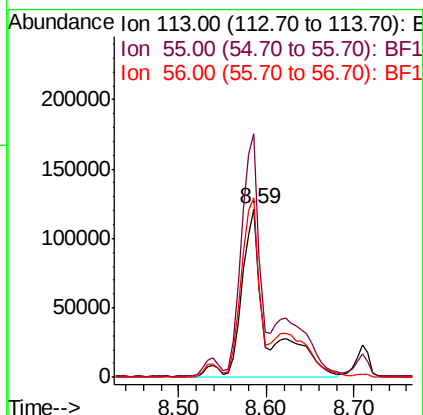
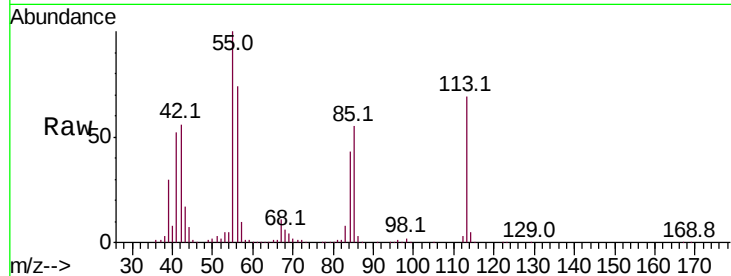
#35
Caprolactam
Concen: 43.052 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	144.5	121.6	161.6
56	106.6	86.7	126.7

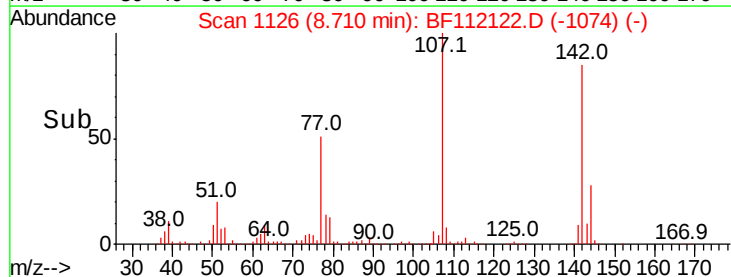
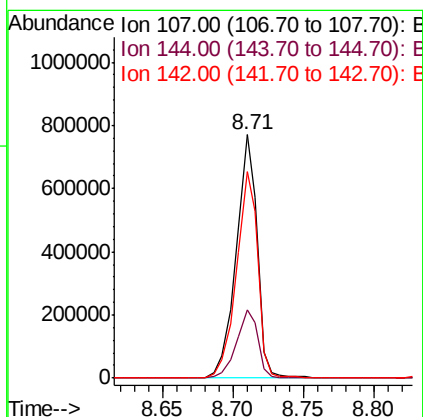
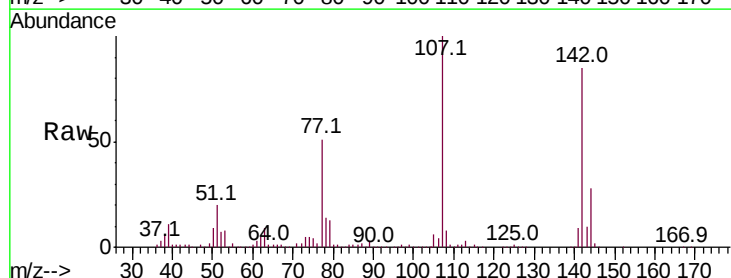
Manual Integrations
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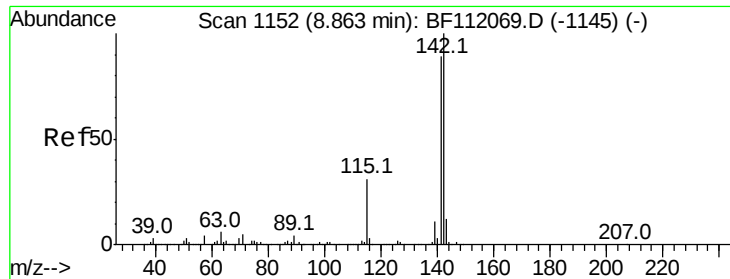
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#36
4-Chloro-3-methylphenol
Concen: 48.440 ng/ml
RT: 8.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.0	22.2	33.2
142	84.8	67.7	101.5





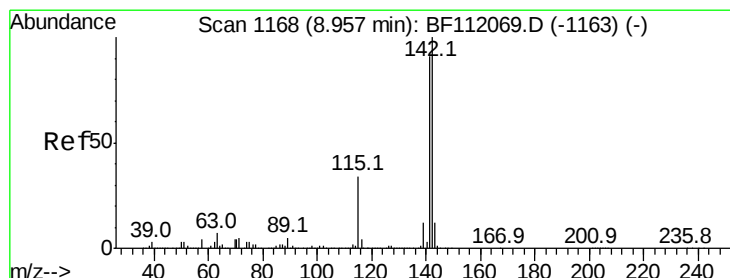
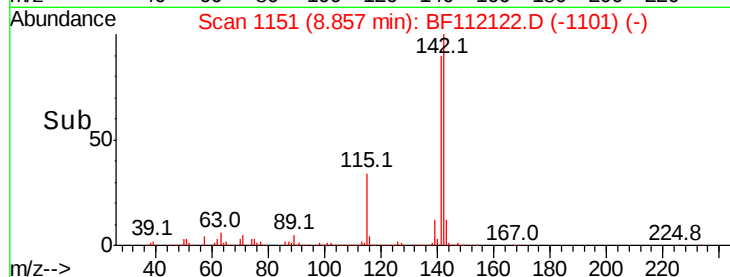
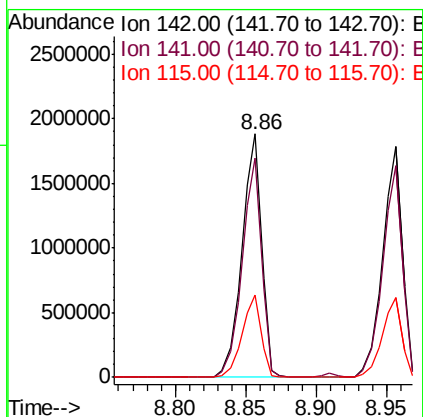
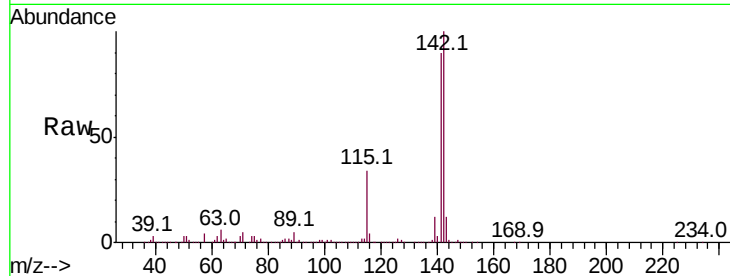
#37
2-Methylnaphthalene
Concen: 49.716 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion:142 Resp: 1820719
Ion Ratio Lower Upper
142 100
141 90.1 70.9 106.3
115 33.6 24.9 37.3

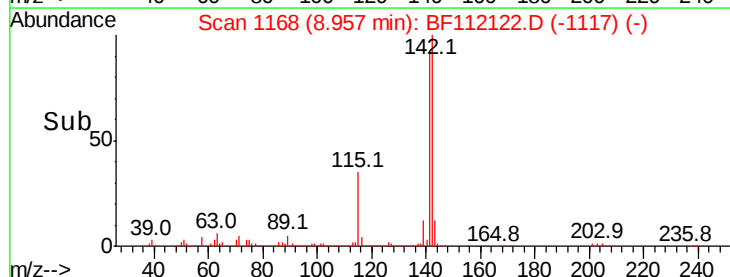
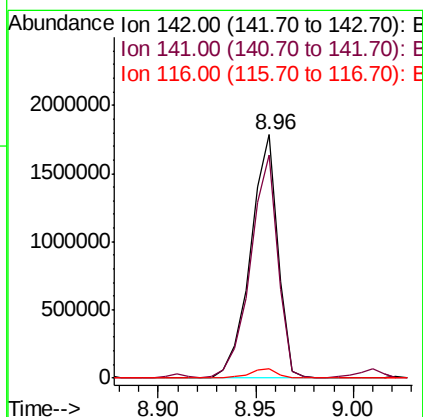
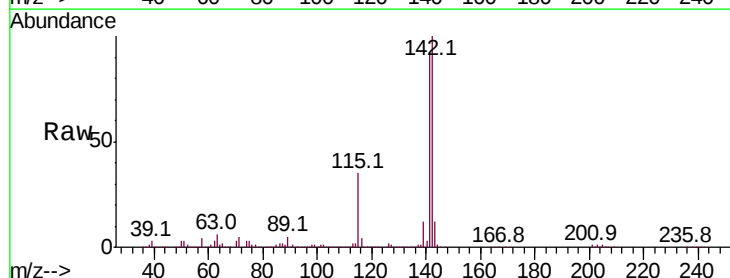
Manual Integrations
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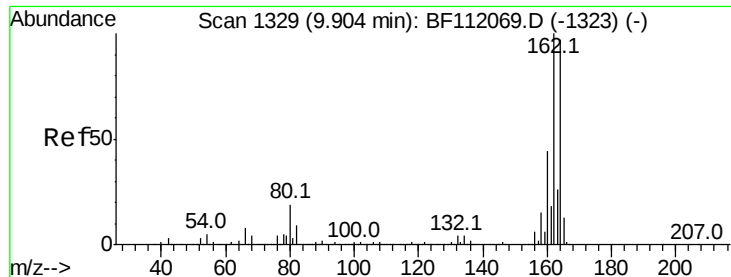
Sohil
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#38
1-Methylnaphthalene
Concen: 49.009 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion:142 Resp: 1724912
Ion Ratio Lower Upper
142 100
141 91.6 72.6 108.8
116 3.7 2.8 4.2





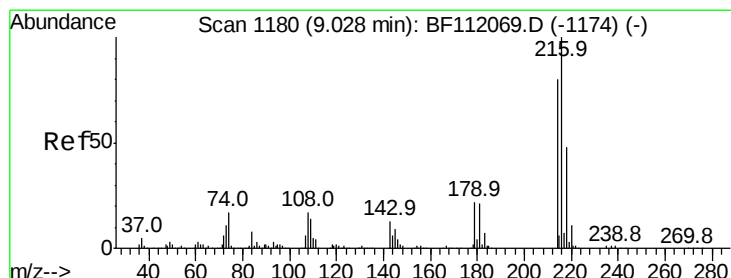
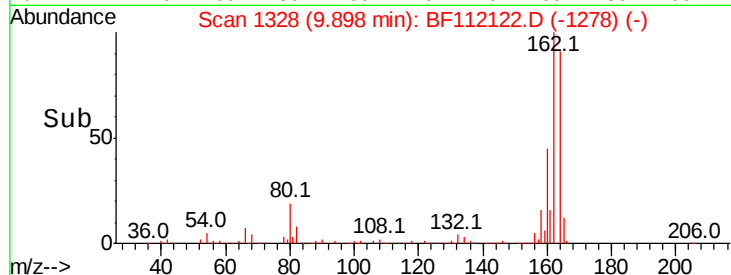
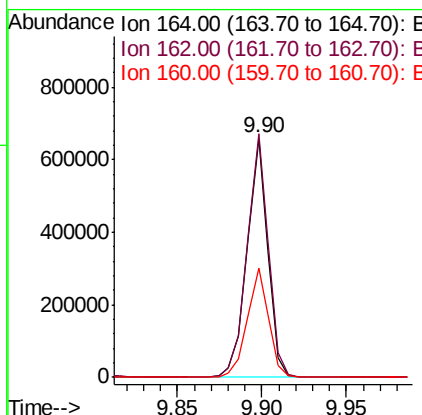
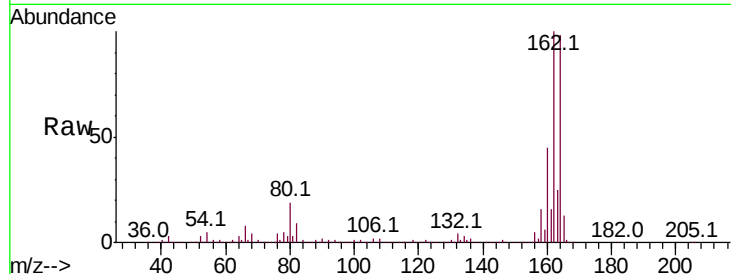
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.4
160	45.9	36.2	54.4

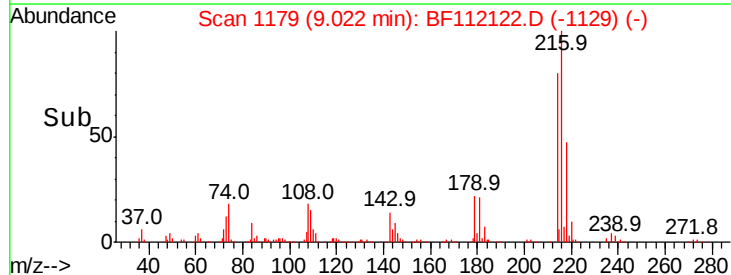
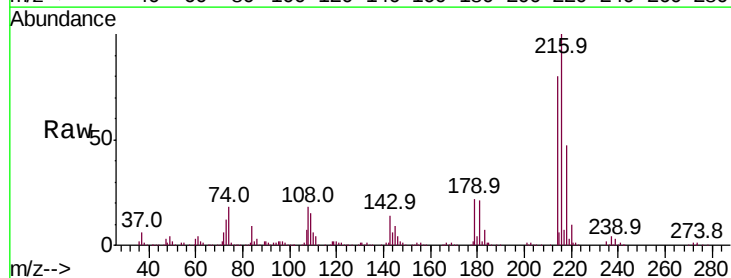
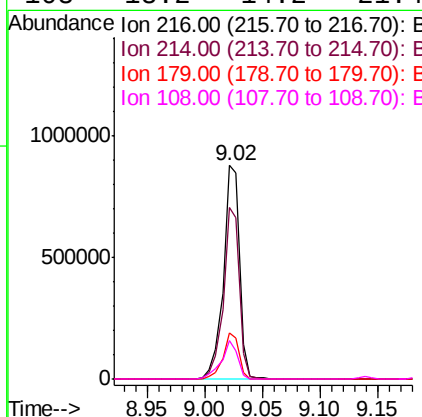
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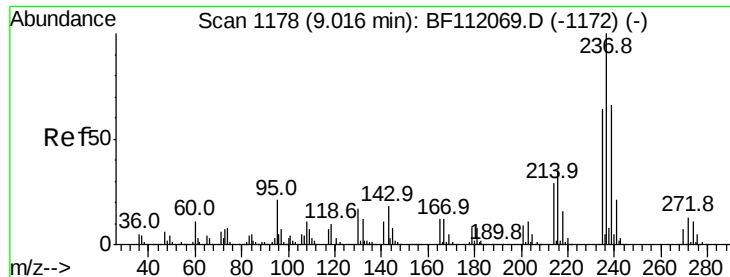
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.396 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	21.1	16.9	25.3
108	18.2	14.2	21.4





#41

Hexachlorocyclopentadiene

Concen: 63.107 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

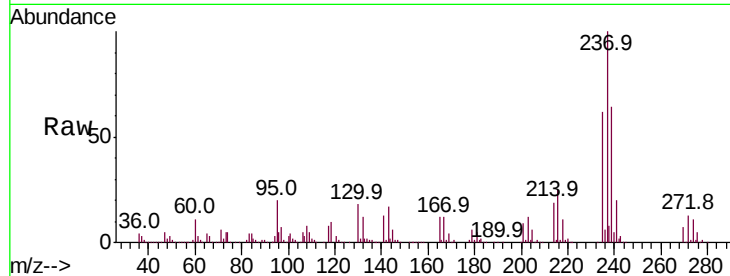
ClientSampleId :

WC-07-011519MSD

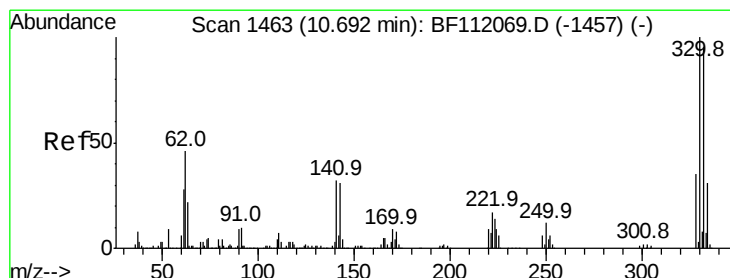
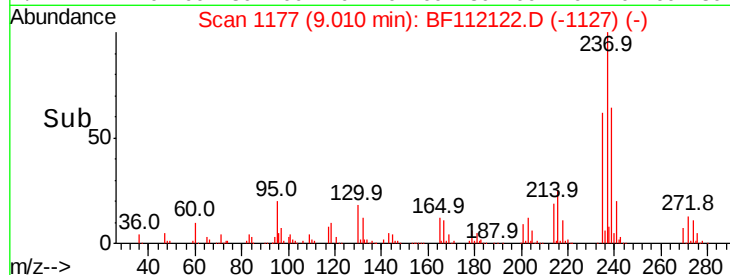
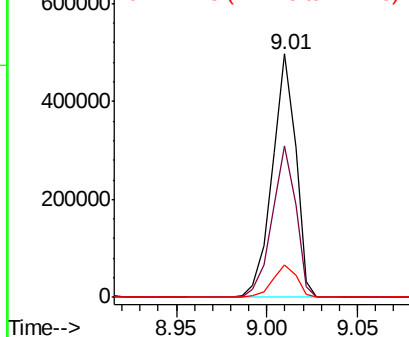
Tot Ion:	237	Resp:	448191
Ion Ratio	Lower	Upper	
237	100		
235	62.1	44.0	84.0
272	13.3	0.0	33.3

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 128.087 ng

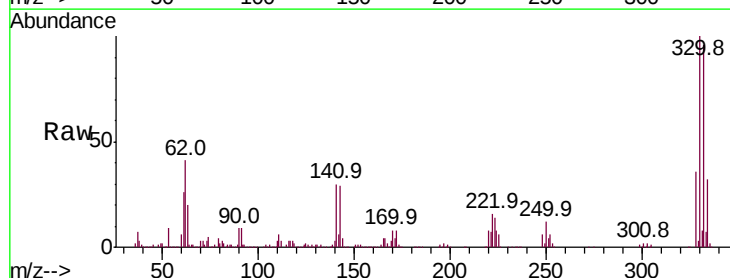
RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

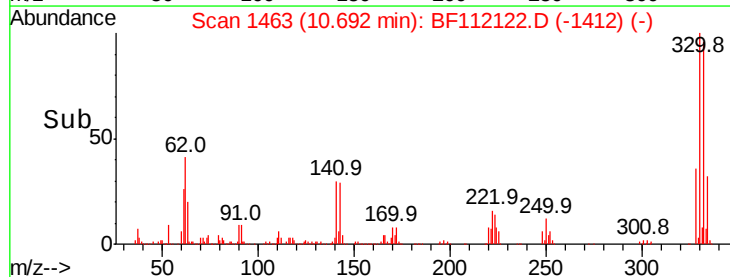
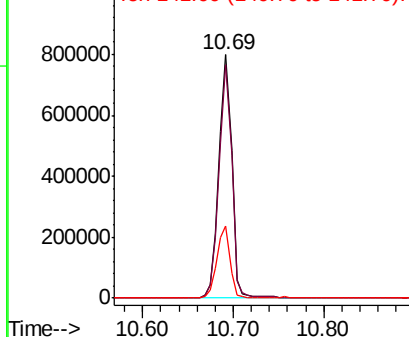
Lab File: BF112122.D

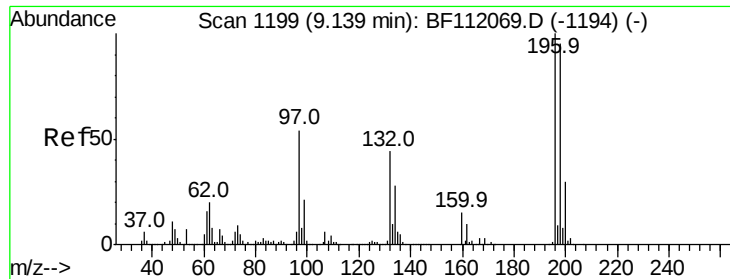
Acq: 18 Jan 2019 12:52

Tgt Ion:	330	Resp:	787847
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.6	114.8
141	30.1	24.3	36.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





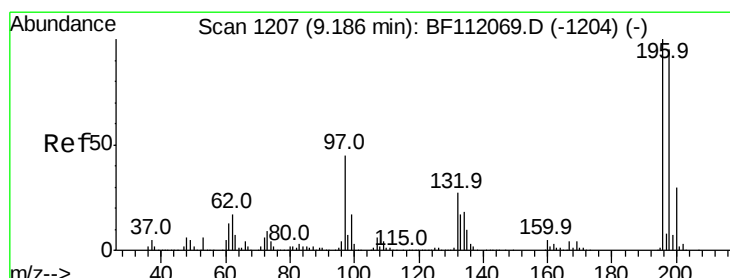
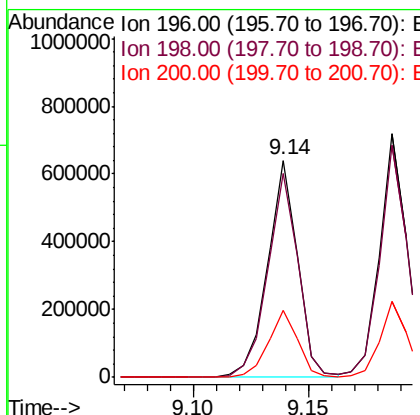
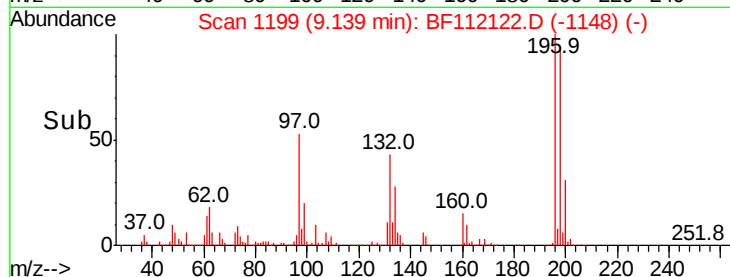
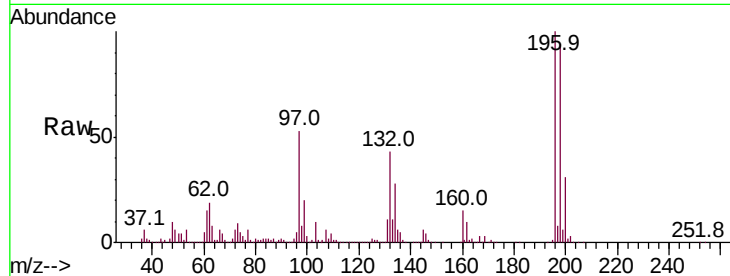
#43
 2,4,6-Trichlorophenol
 Concen: 52.661 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion:	196	Resp:	576784
Ion Ratio	Lower	Upper	
196	100		
198	93.8	76.2	114.4
200	30.9	24.3	36.5

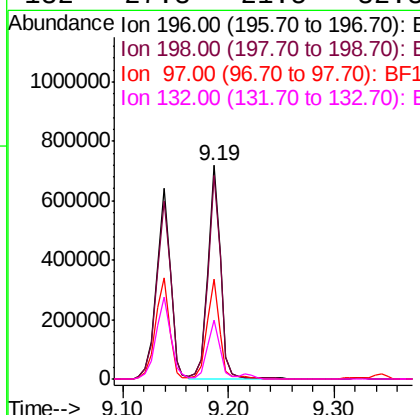
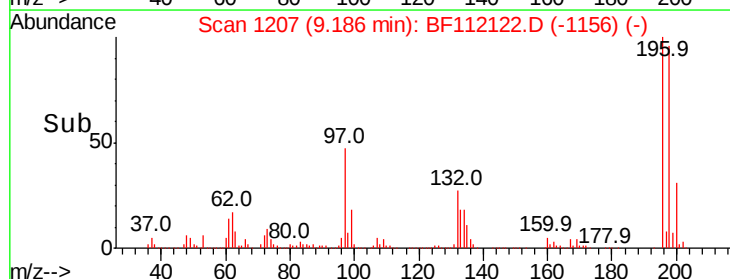
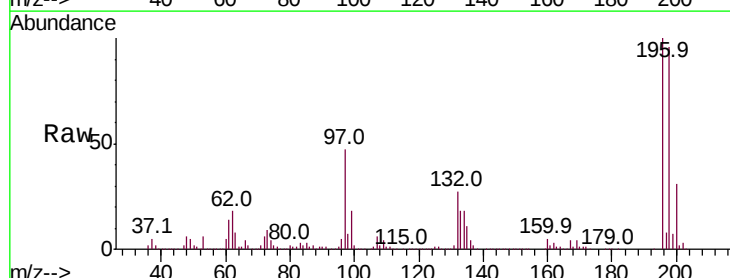
Manual Integrations
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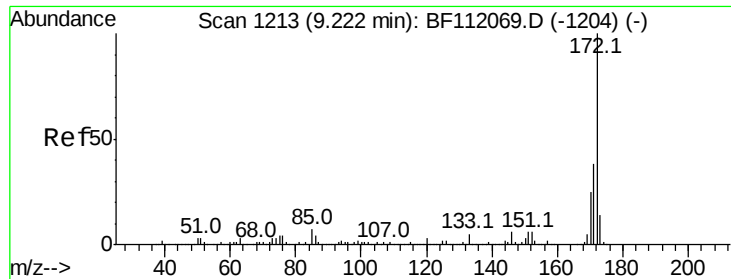
Sohil
 1/21/2019 12:00:41 PM



#44
 2,4,5-Trichlorophenol
 Concen: 51.191 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion:	196	Resp:	597164
Ion Ratio	Lower	Upper	
196	100		
198	95.6	76.0	114.0
97	46.8	36.4	54.6
132	27.3	21.5	32.3





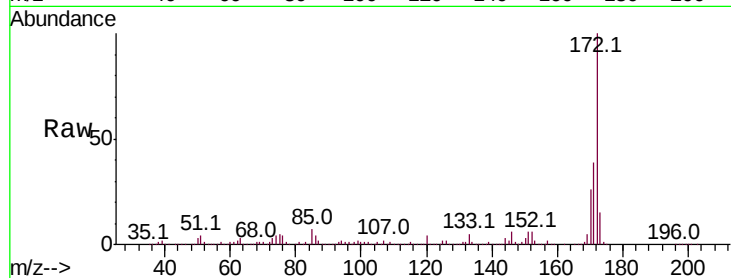
#45
2-Fluorobiphenyl
Concen: 82.153 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.7
170	25.6	20.2	30.4

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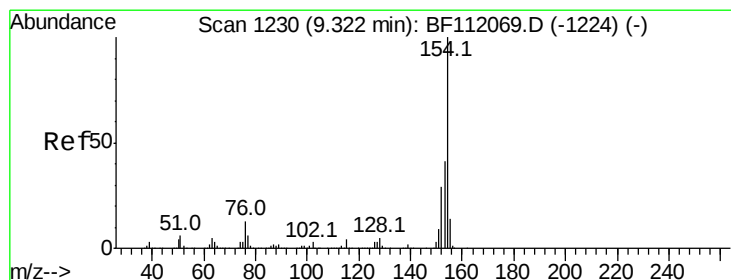
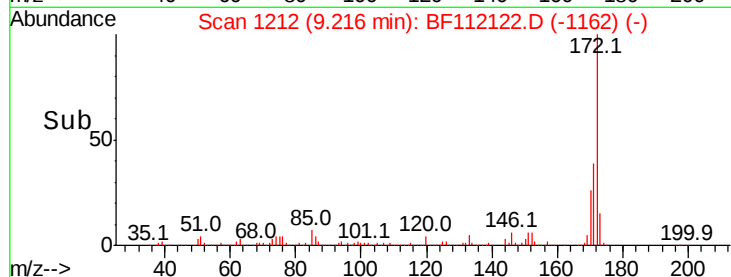
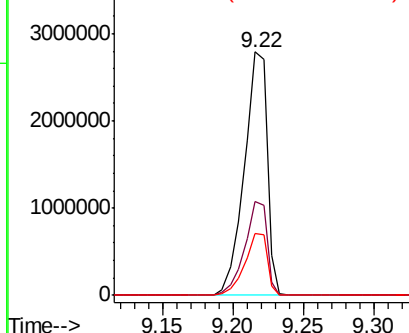


Abundance

Ion 172.00 (171.70 to 172.70): E

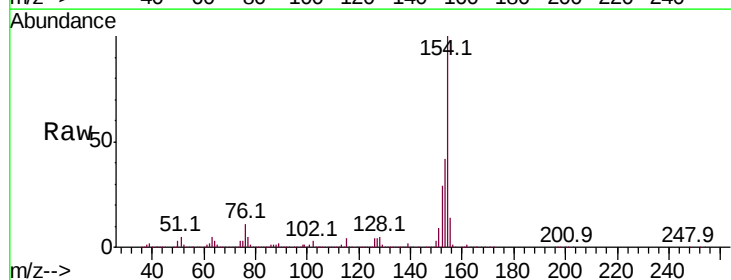
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 45.313 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	21.5	61.5
76	11.4	0.0	33.1

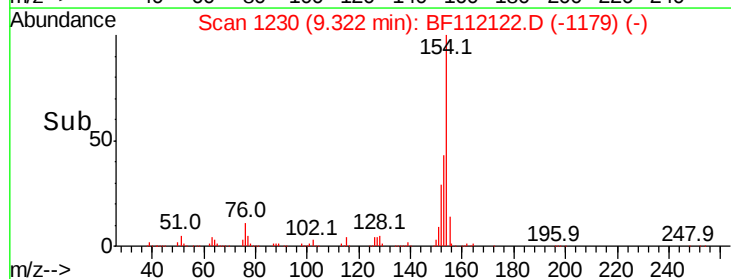
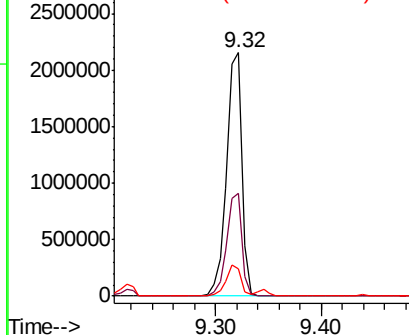


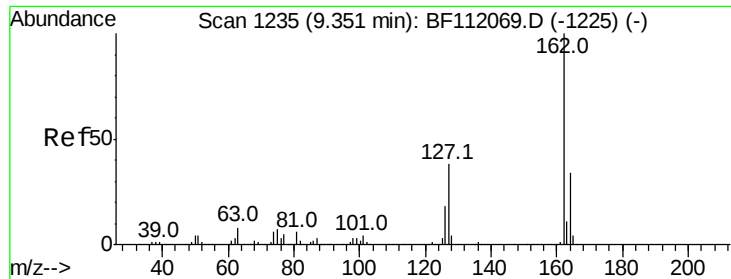
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





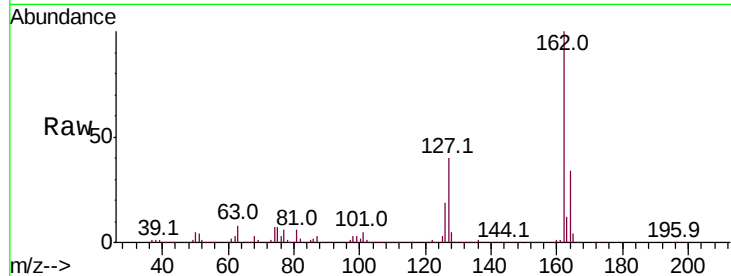
#47
2-Chloronaphthalene
Concen: 45.142 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.9	30.4	45.6
164	34.3	27.4	41.2

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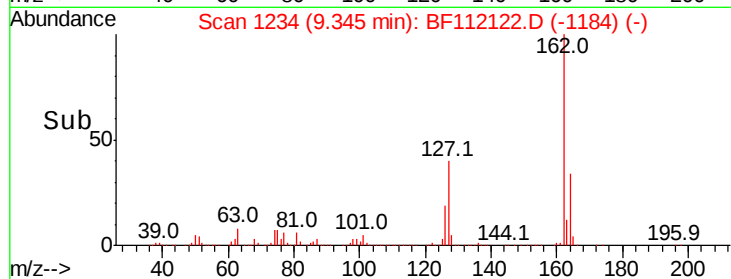
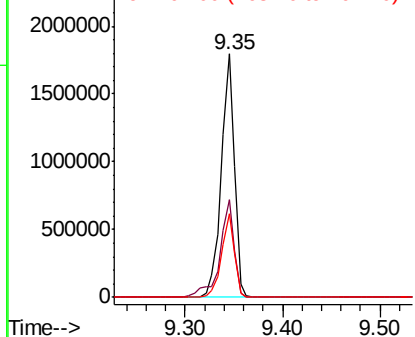


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 55.797 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

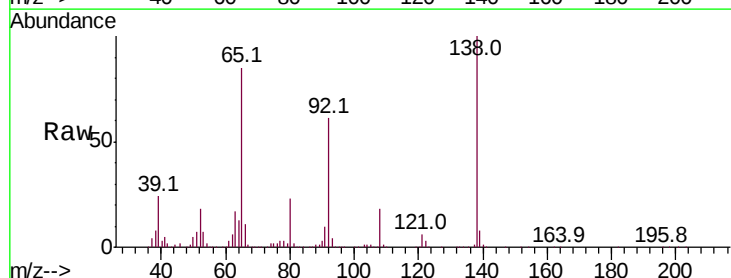
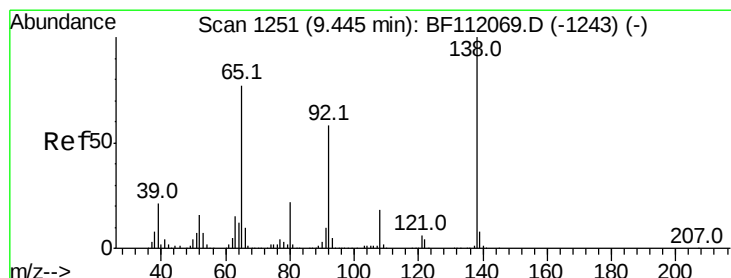
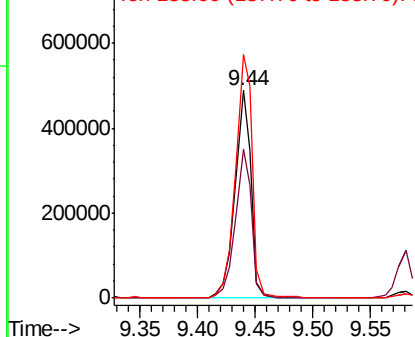
Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.0	60.4	90.6
138	117.3	104.4	156.6

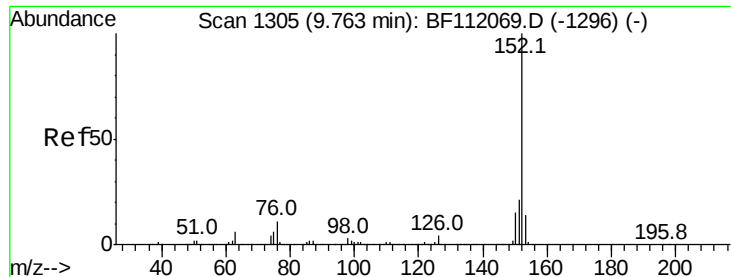
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





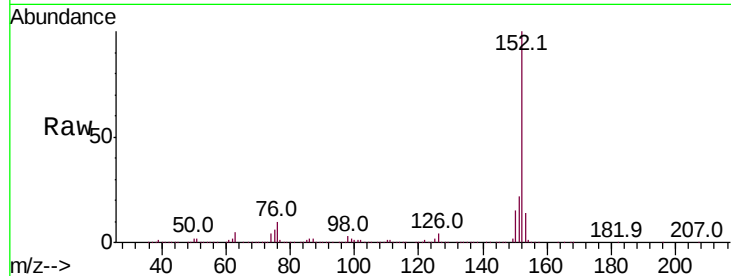
#49
Acenaphthylene
Concen: 47.758 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

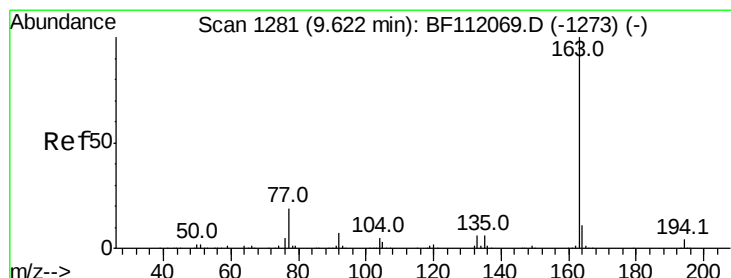
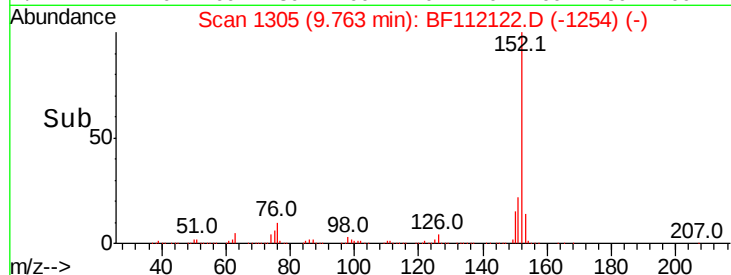
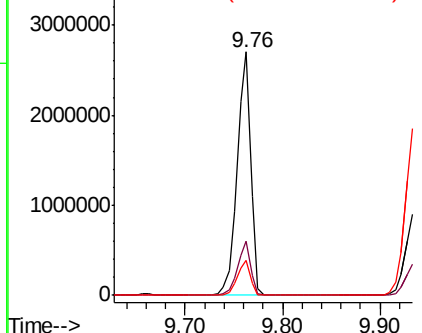
Tot Ion:152 Resp: 2600898
Ion Ratio Lower Upper
152 100
151 22.1 17.0 25.6
153 14.2 11.2 16.8

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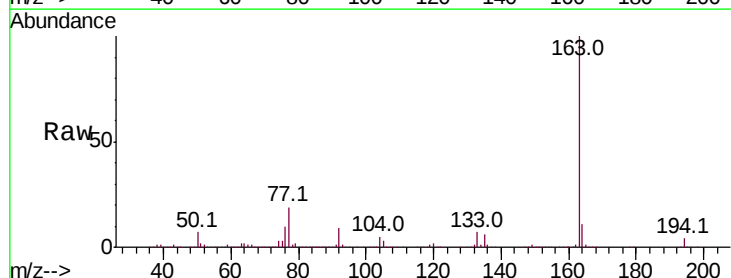


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

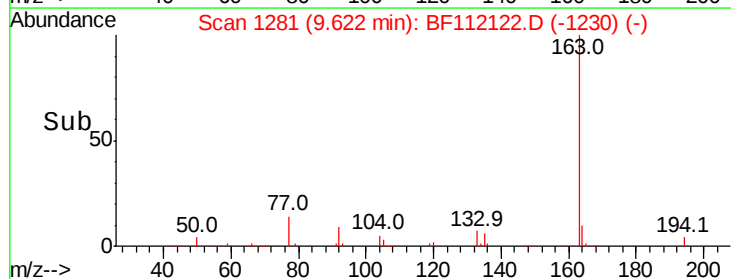
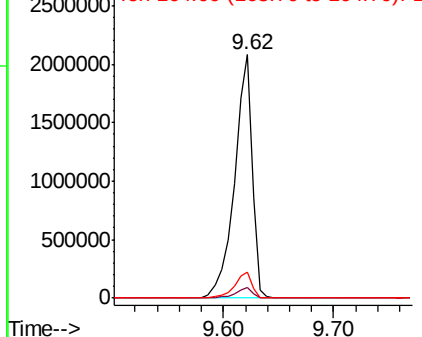


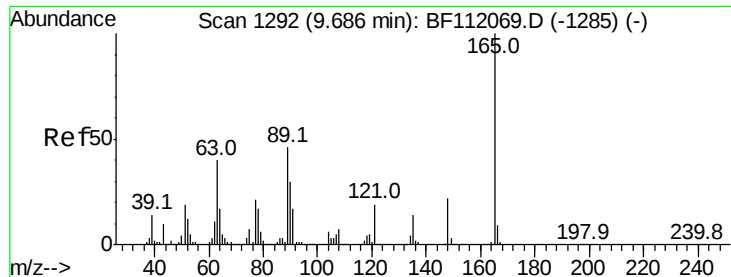
#50
Dimethylphthalate
Concen: 55.901 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion:163 Resp: 2324462
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





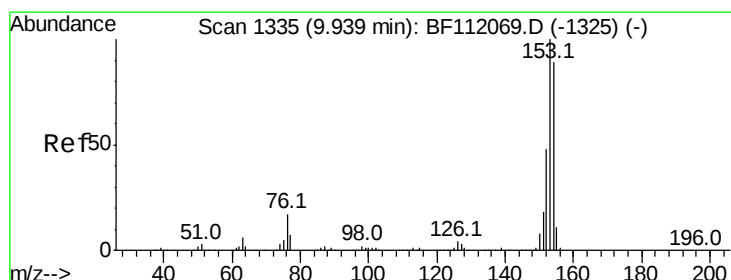
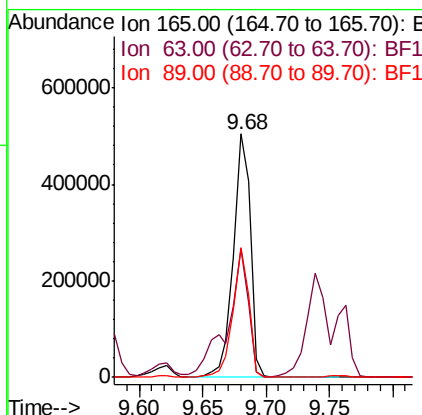
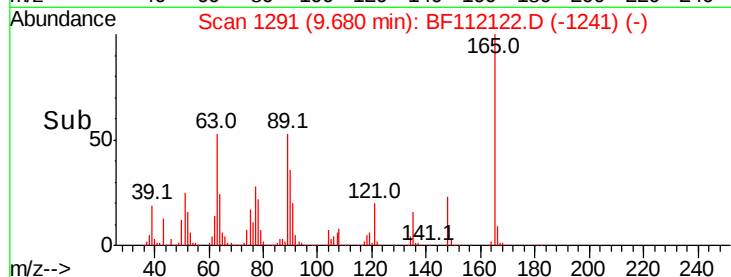
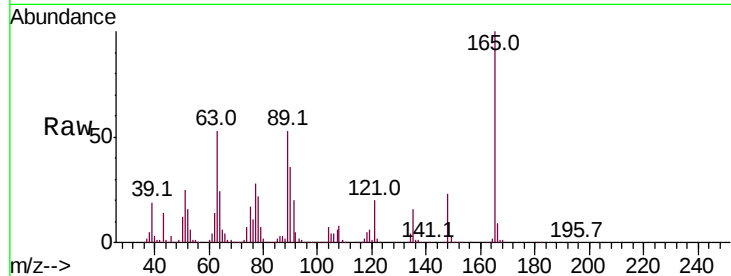
#51
2,6-Dinitrotoluene
Concen: 56.144 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	466219		
63	52.8		33.8	50.8#
89	53.5		36.9	55.3

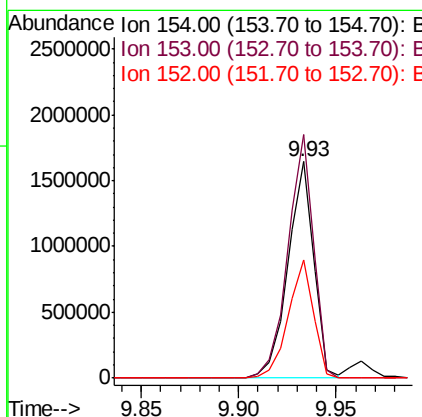
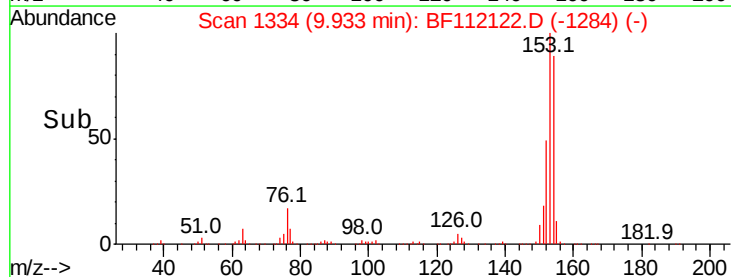
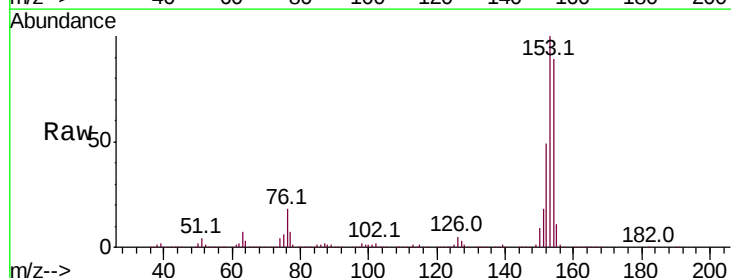
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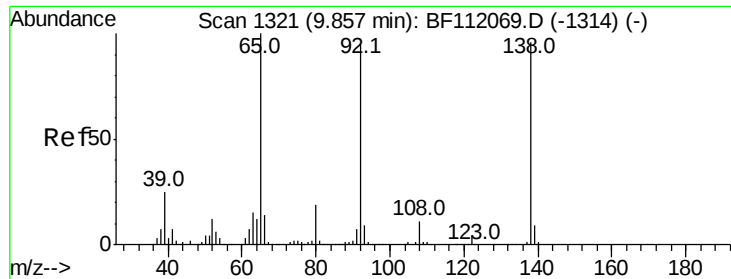
Sohil
1/21/2019 12:00:41 PM



#52
Acenaphthene
Concen: 45.146 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1504289		
153	112.4		89.8	134.6
152	54.7		43.5	65.3





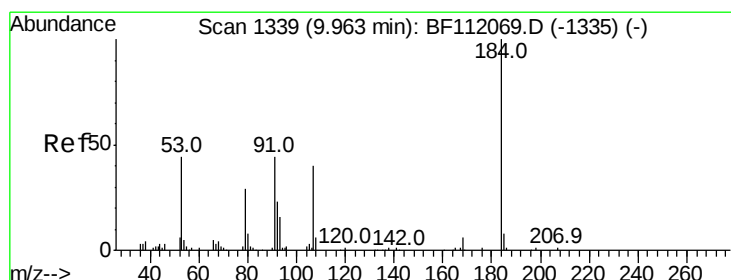
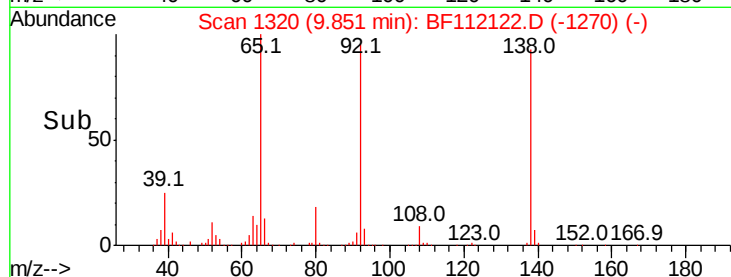
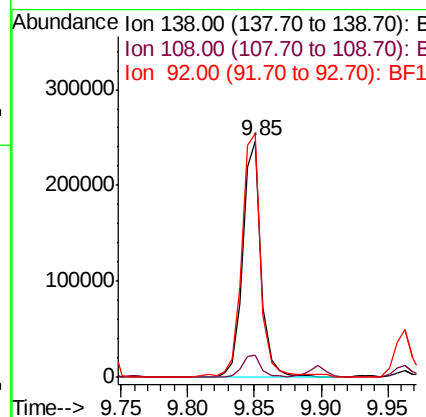
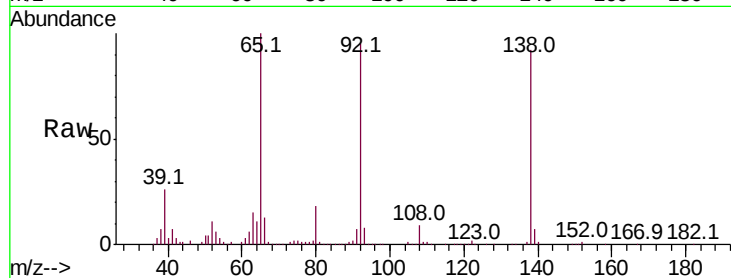
#53
3-Nitroaniline
Concen: 25.539 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	9.8	14.6#
92	103.1	79.4	119.2

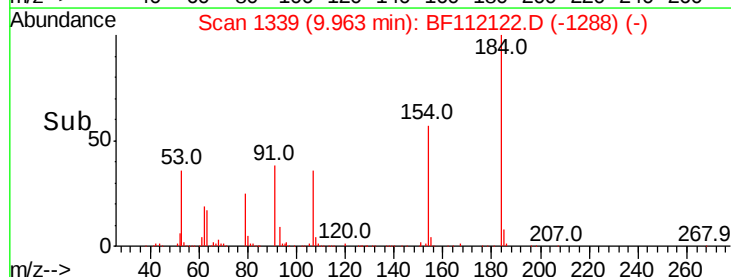
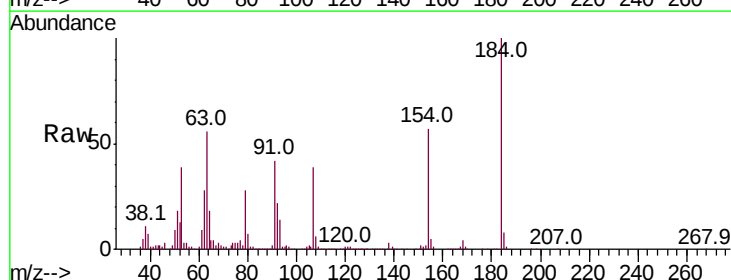
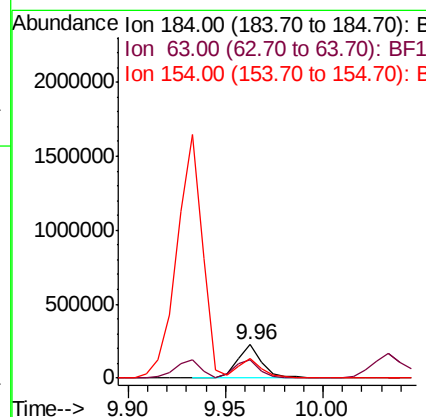
Manual Integrations
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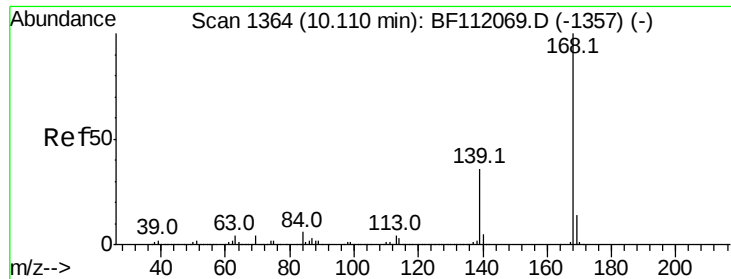
Sohil
1/21/2019 12:00:41 PM



#54
2,4-Dinitrophenol
Concen: 76.146 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.6	47.1	70.7
154	57.3	48.9	73.3





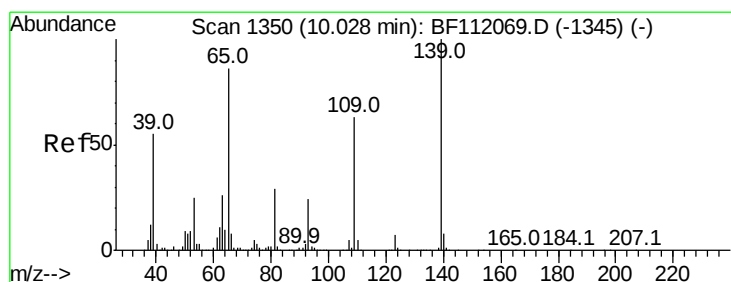
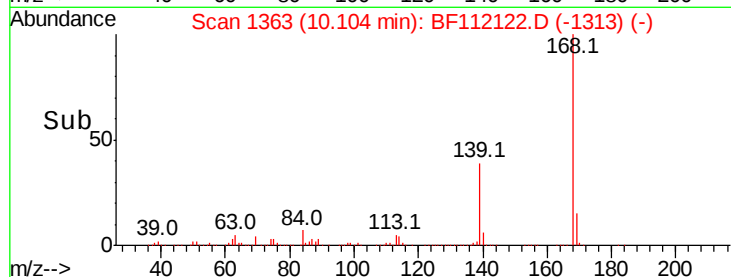
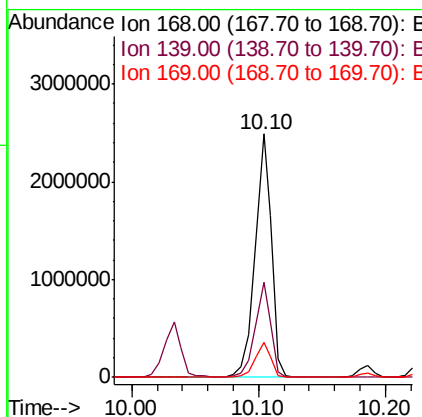
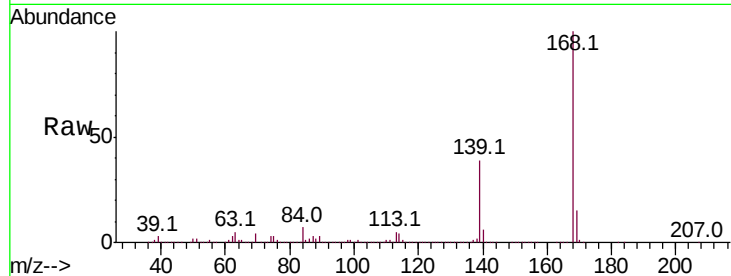
#55
Dibenzofuran
Concen: 44.824 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion:168 Resp: 2258695
Ion Ratio Lower Upper
168 100
139 38.9 29.2 43.8
169 14.6 11.4 17.0

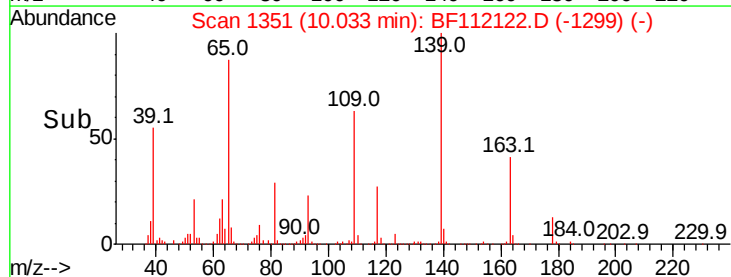
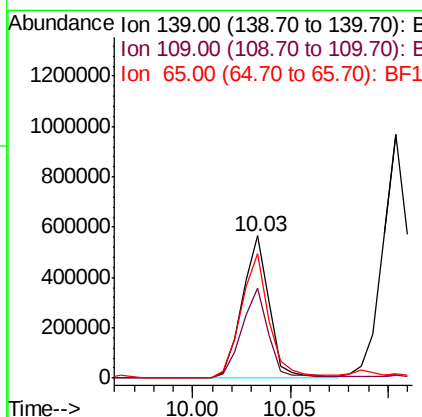
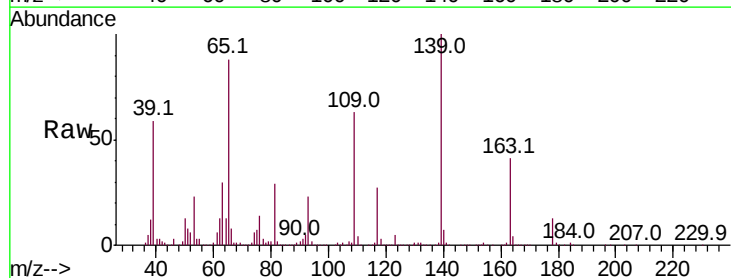
Manual Integrations
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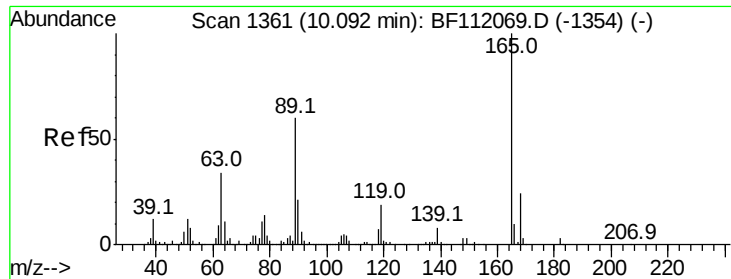
Sohil
1/21/2019 12:00:41 PM



#56
4-Nitrophenol
Concen: 82.092 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion:139 Resp: 545896
Ion Ratio Lower Upper
139 100
109 62.9 42.8 82.8
65 87.7 66.1 106.1





#57

2,4-Dinitrotoluene

Concen: 53.926 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion:165 Resp: 581497

Ion Ratio Lower Upper

165 100

63 41.3 27.9 41.9

89 67.3 47.9 71.9

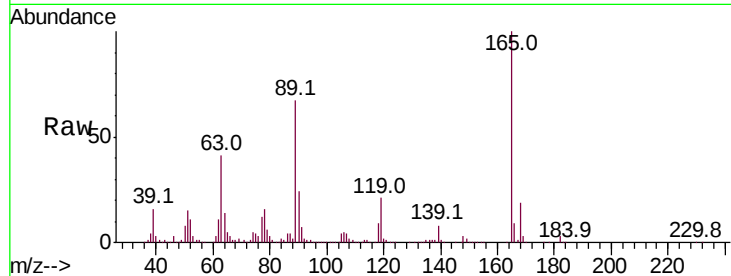
182 2.8 2.2 3.4

Manual Integrations

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1/21/2019 12:00:41 PM

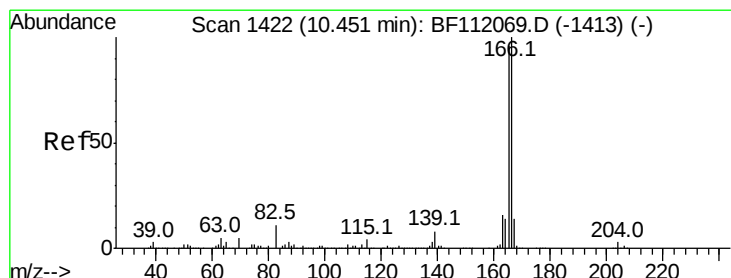
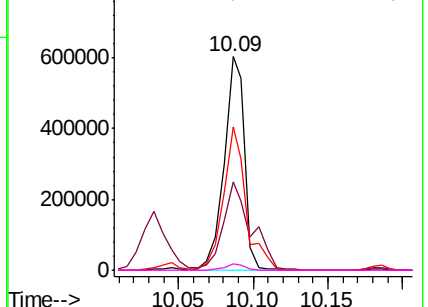
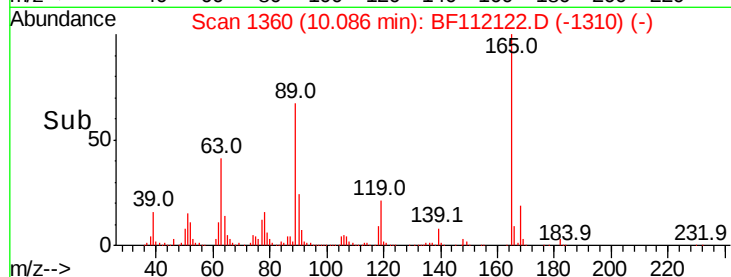


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.911 ng

RT: 10.44 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

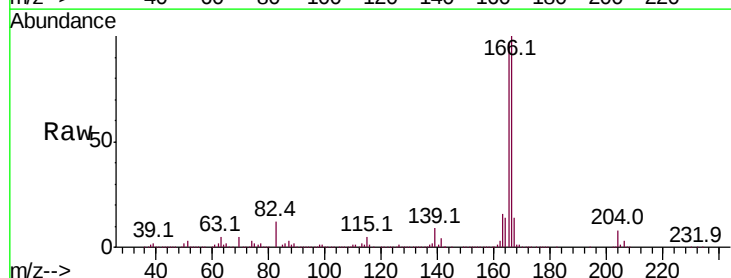
Tgt Ion:166 Resp: 1728506

Ion Ratio Lower Upper

166 100

165 96.9 77.1 115.7

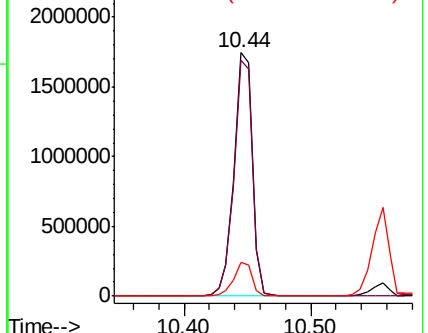
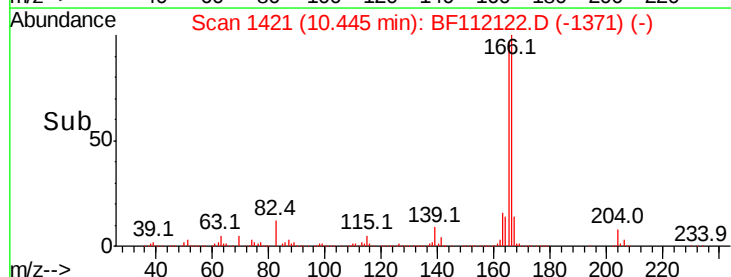
167 14.0 11.3 16.9

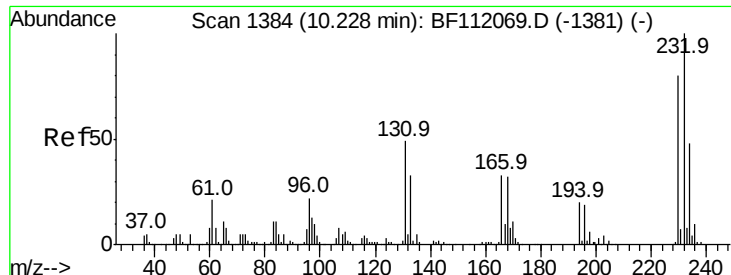


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





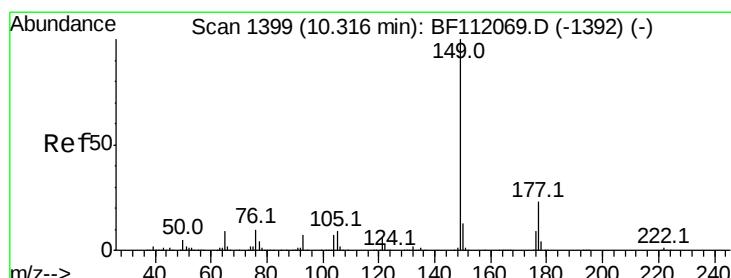
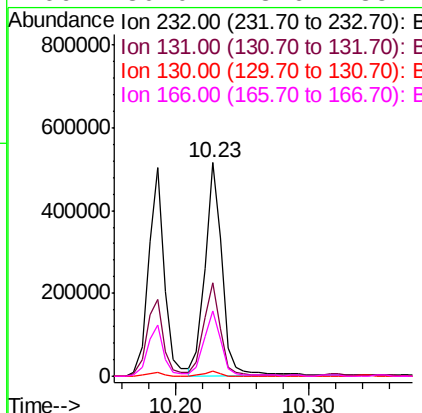
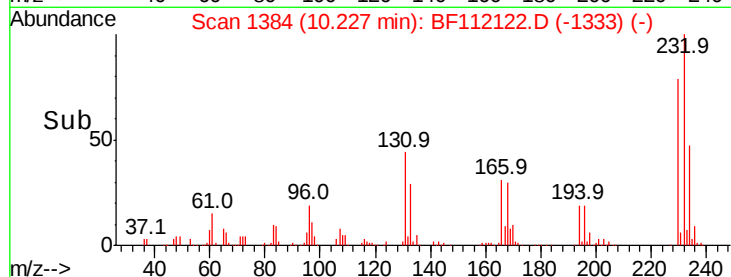
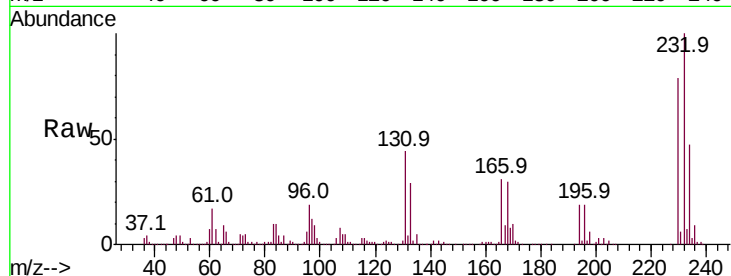
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.307 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	460445		
131	42.5		33.9	50.9
130	2.3		1.8	2.6
166	30.0		23.6	35.4

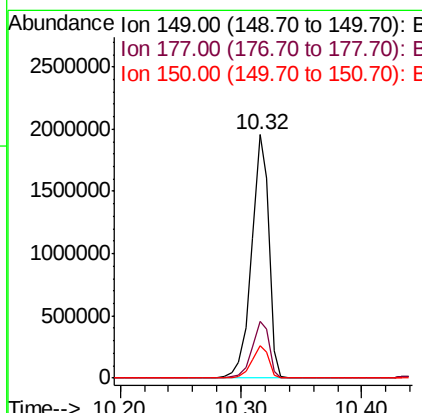
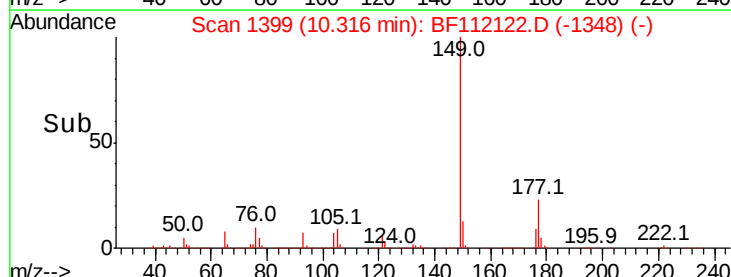
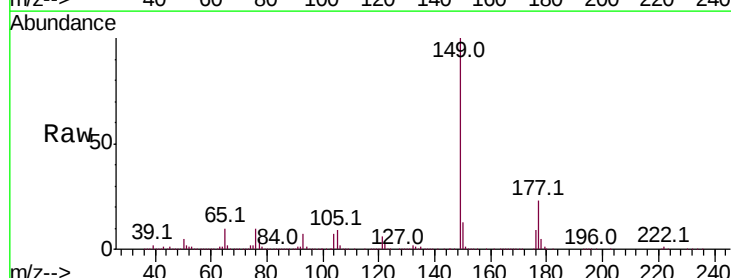
Manual Integrations
 APPROVED

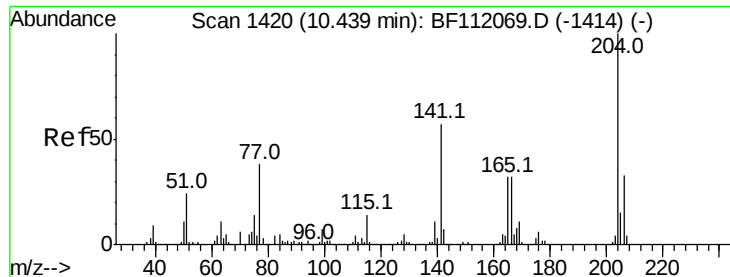
Sohil
 1/21/2019 12:00:41 PM



#60
 Diethylphthalate
 Concen: 47.952 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1946327		
177	23.2		18.2	27.2
150	13.1		10.4	15.6





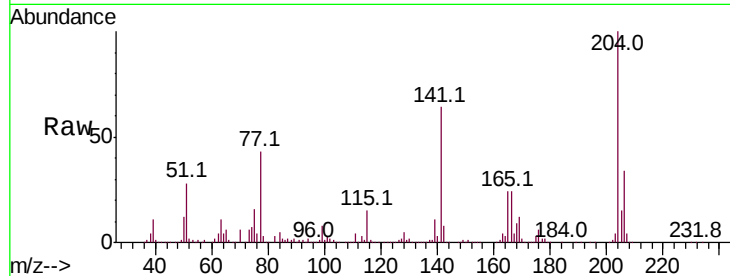
#61
4-Chlorophenyl-phenylether
Concen: 42.595 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.5	39.7
141	64.0	45.9	68.9

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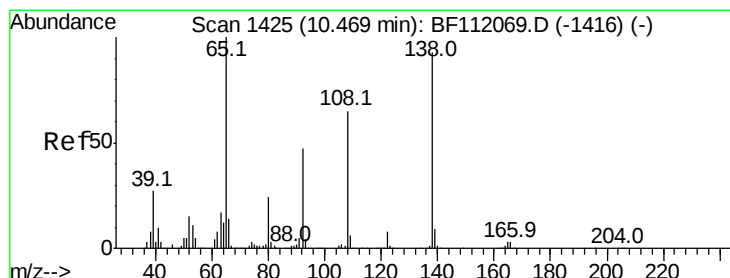
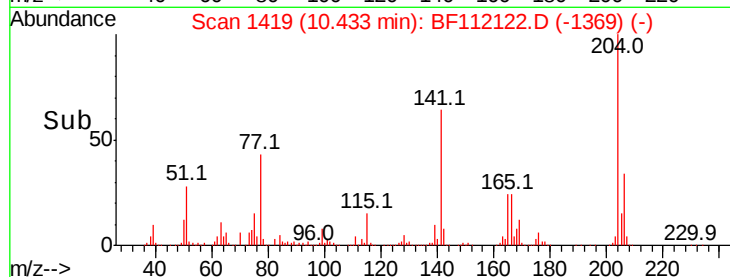
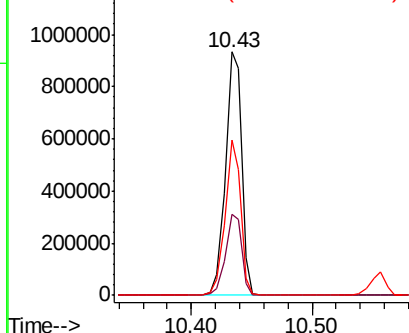


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 40.476 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

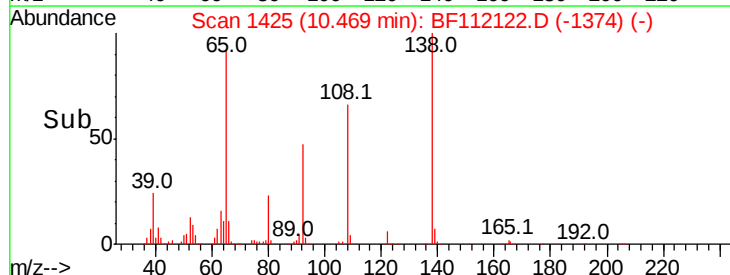
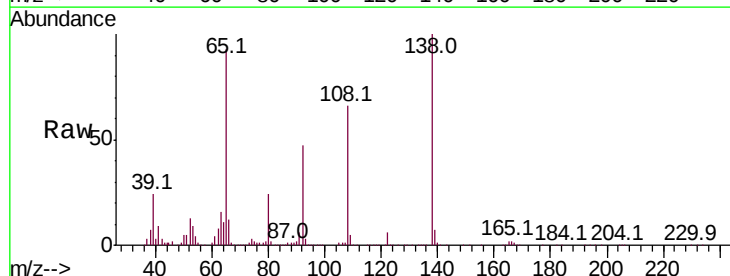
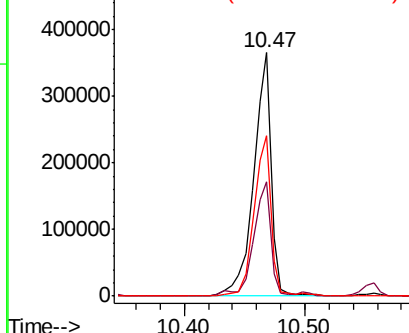
Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.0	30.6	70.6
108	65.7	50.0	90.0

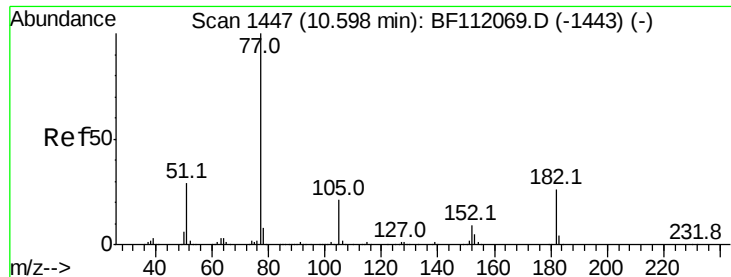
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





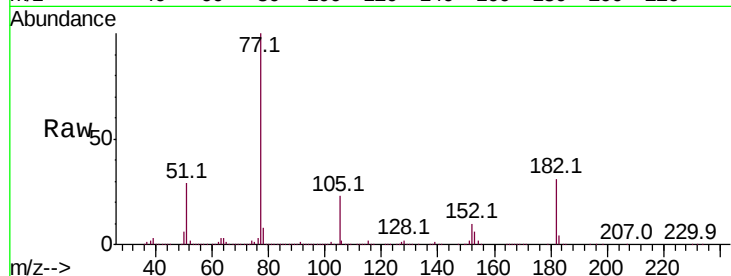
#63
Azobenzene
Concen: 42.757 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	30.7	5.7	45.7
105	23.3	1.4	41.4
51	28.9	9.5	49.5

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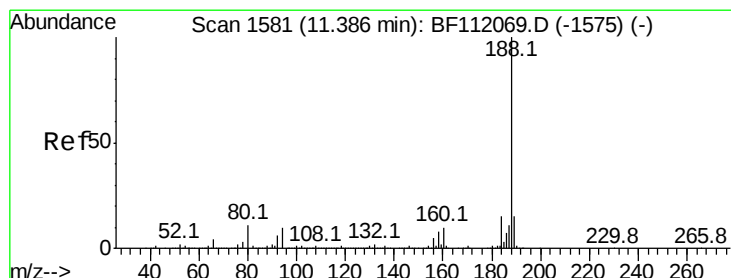
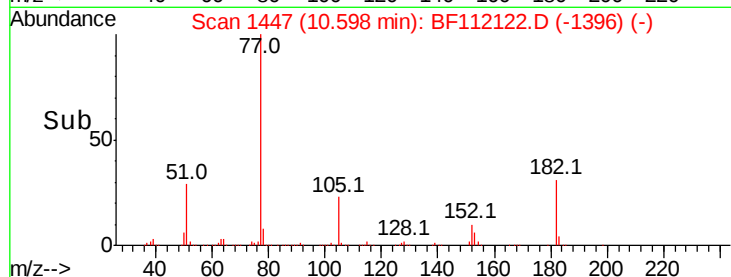
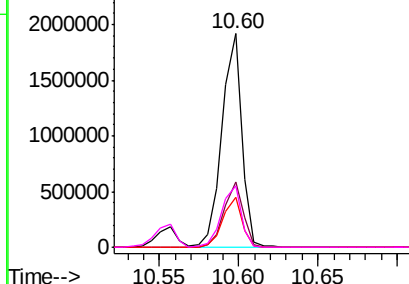
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

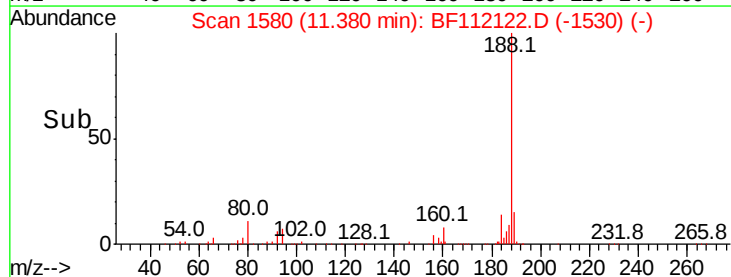
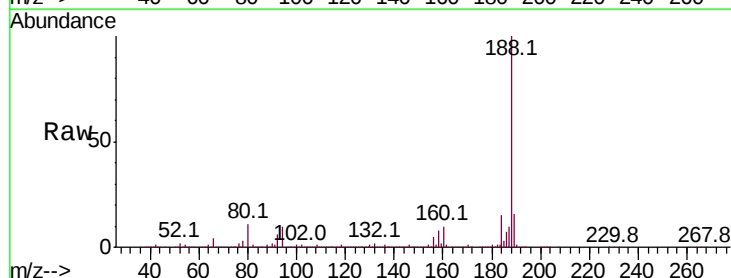
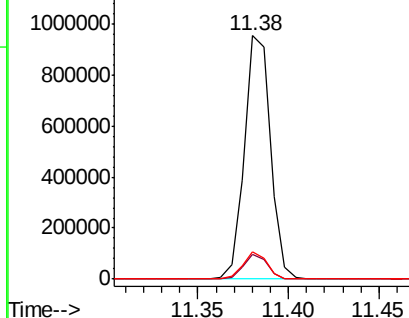
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	11.0	8.9	13.3

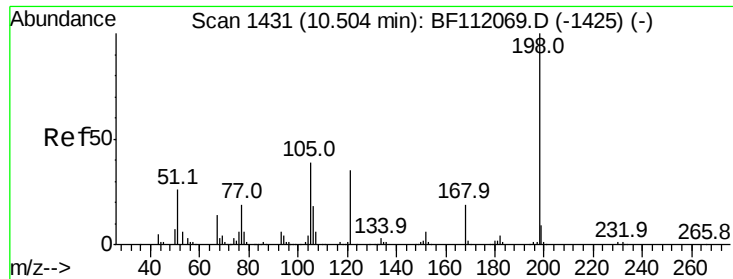
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





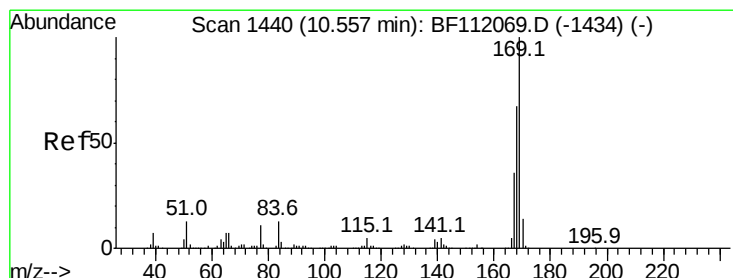
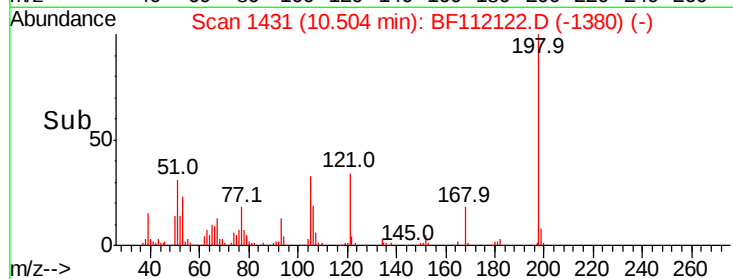
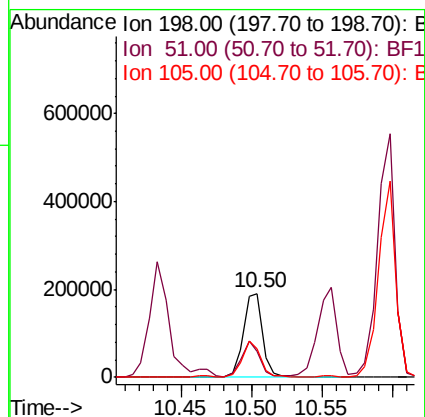
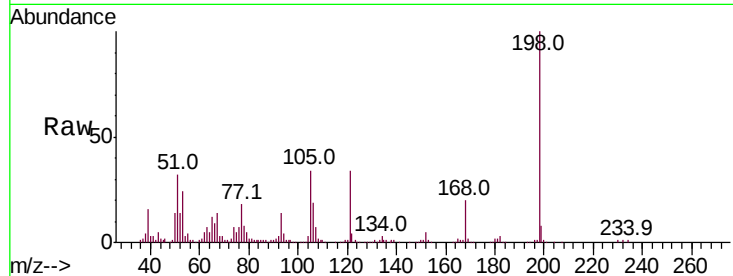
#65
 4,6-Dinitro-2-methylphenol
 Concen: 46.595 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion:	198	Resp:	183888
Ion Ratio	Lower	Upper	
198	100		
51	31.7	17.2	57.2
105	33.6	21.9	61.9

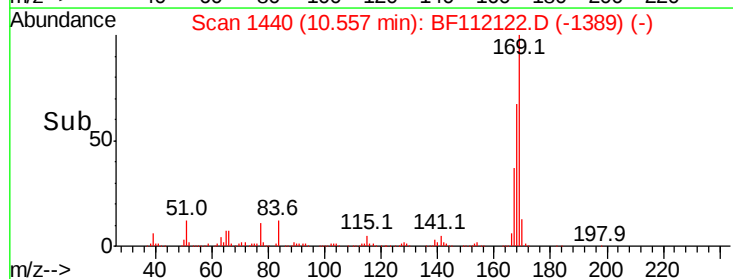
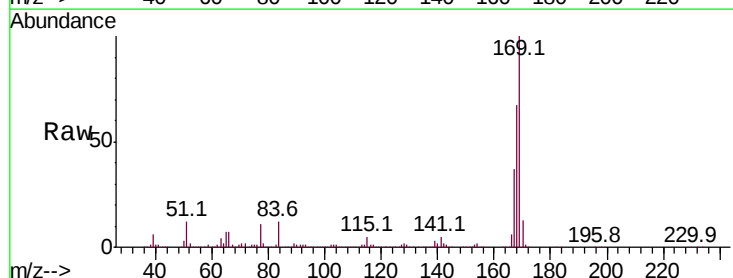
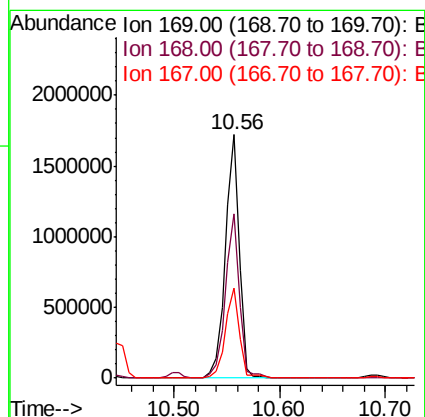
Manual Integrations
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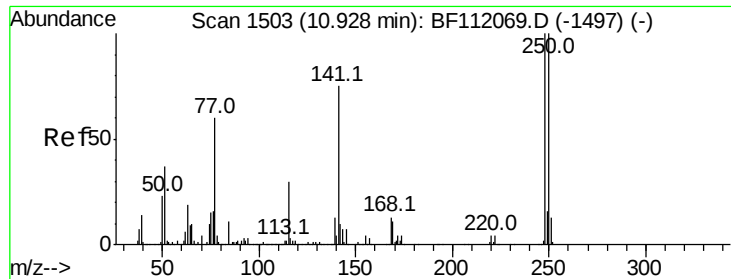
Sohil
 1/21/2019 12:00:41 PM



#66
 n-Nitrosodiphenylamine
 Concen: 50.227 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion:	169	Resp:	1583869
Ion Ratio	Lower	Upper	
169	100		
168	67.3	53.9	80.9
167	37.2	28.9	43.3





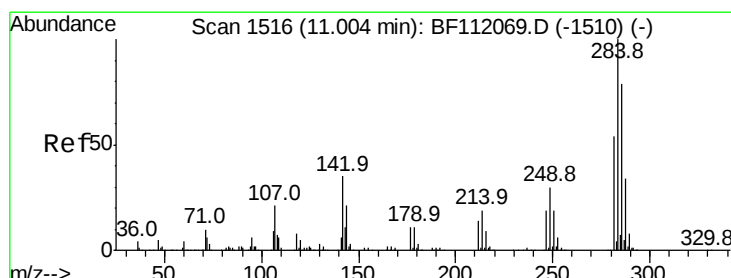
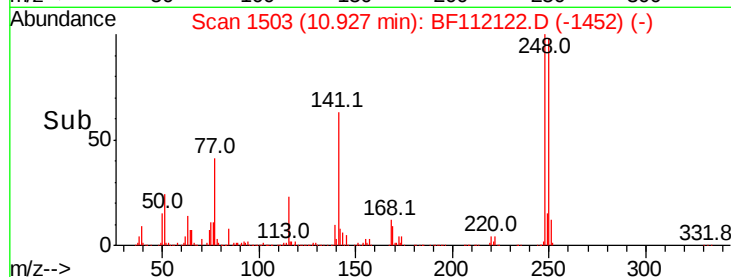
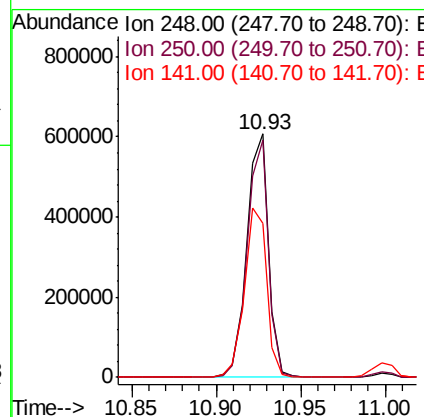
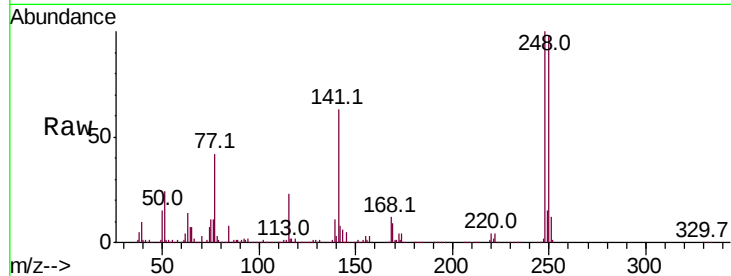
#67
4-Bromophenyl-phenylether
Concen: 49.181 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.7	119.5
141	63.1	60.3	90.5

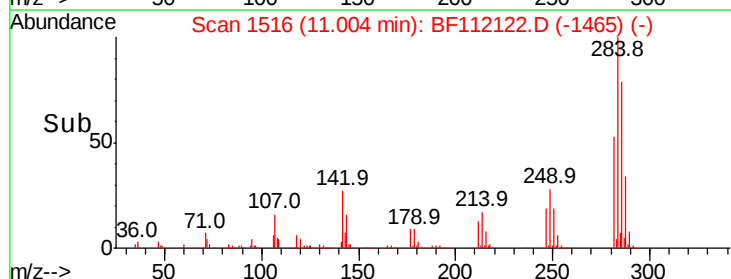
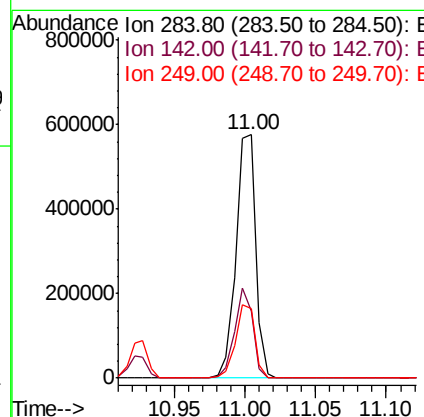
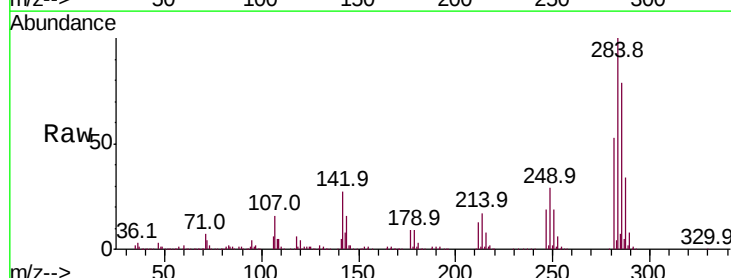
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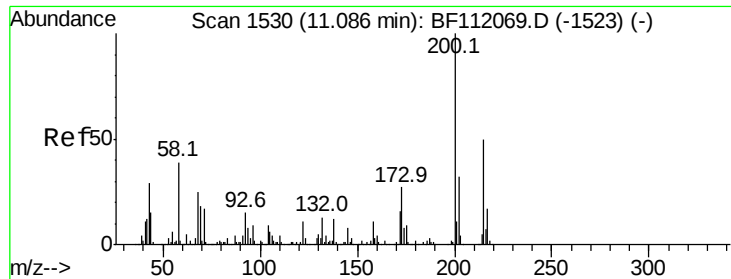
Sohil
1/21/2019 12:00:41 PM



#68
Hexachlorobenzene
Concen: 46.923 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.4	27.6	41.4#
249	28.5	24.1	36.1





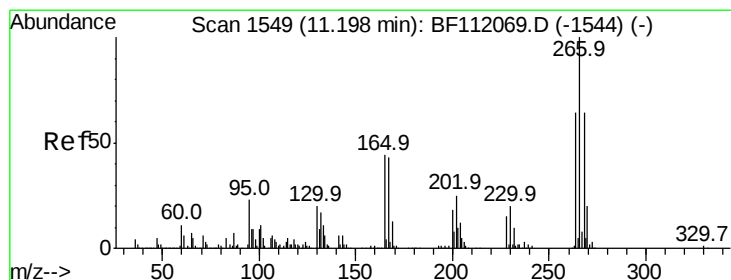
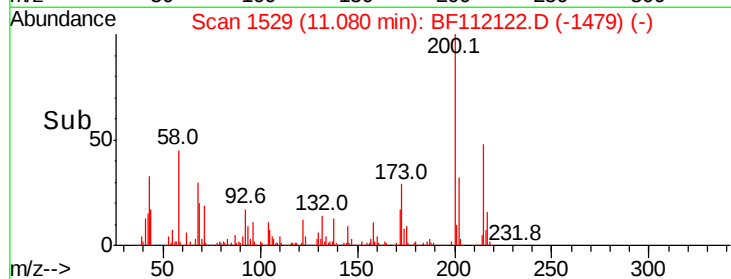
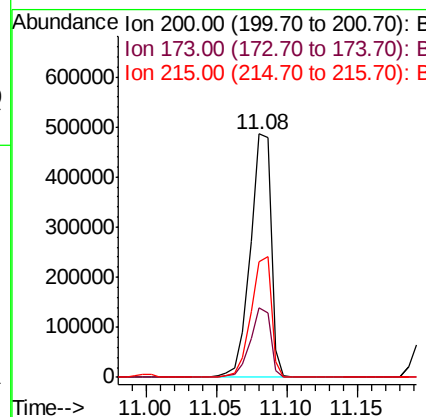
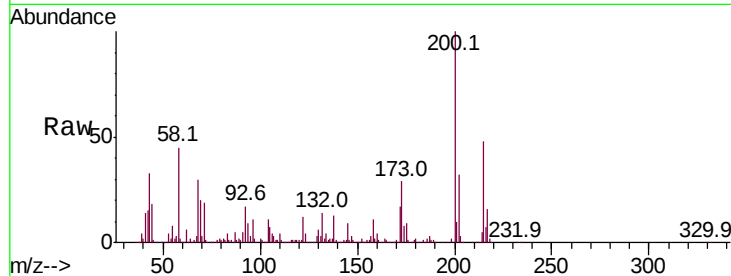
#69
Atrazine
Concen: 49.313 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.1	47.1
215	47.6	30.4	70.4

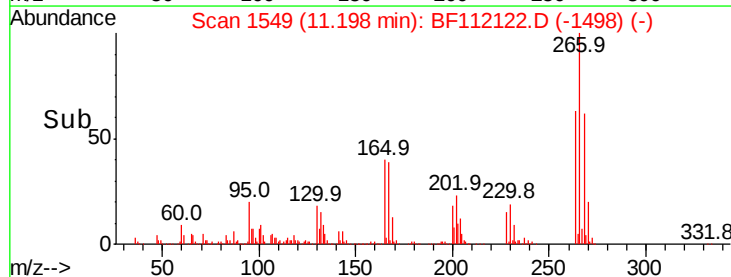
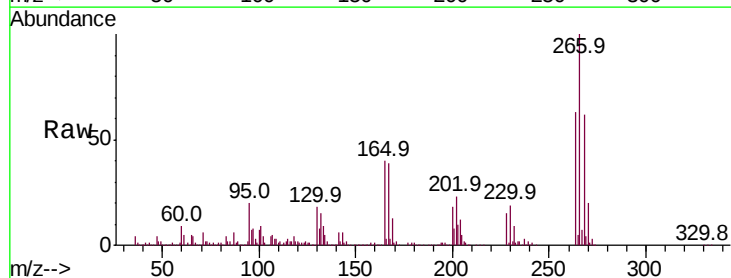
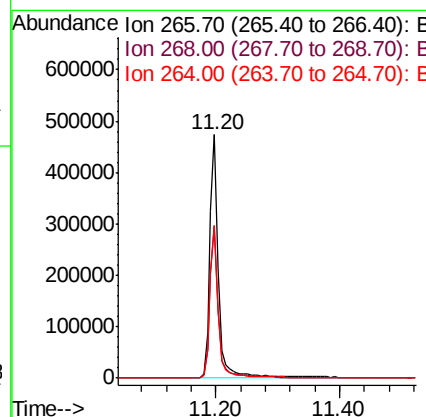
Manual Integrations
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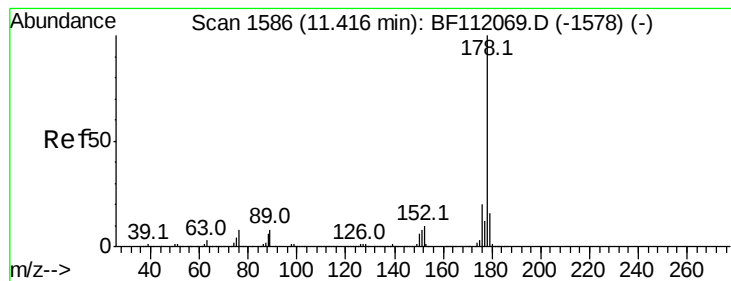
Sohil
1/21/2019 12:00:41 PM



#70
Pentachlorophenol
Concen: 82.065 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.4	51.2	76.8
264	62.7	50.9	76.3





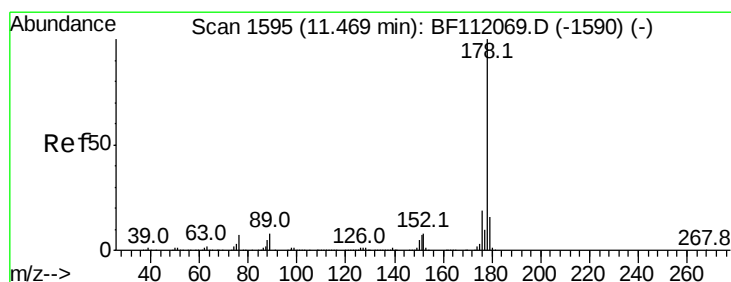
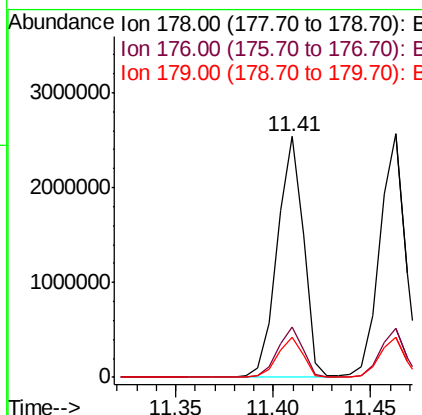
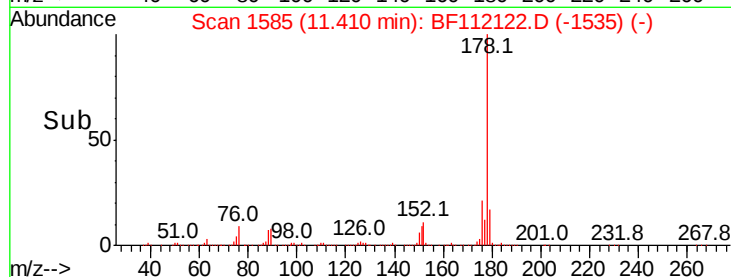
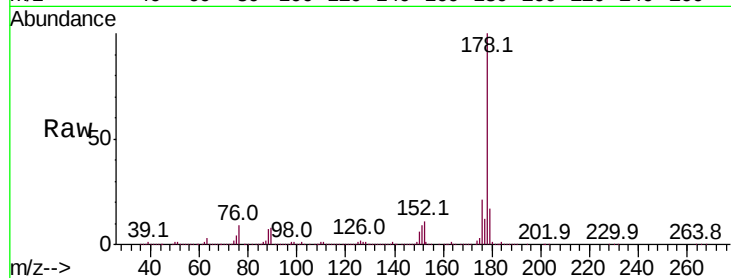
#71
Phenanthrene
Concen: 48.974 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion:178 Resp: 2350993
Ion Ratio Lower Upper
178 100
176 20.7 16.3 24.5
179 16.8 13.0 19.4

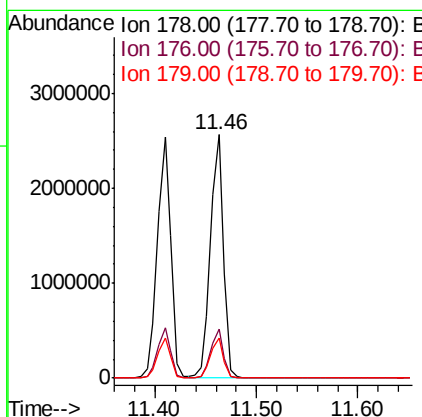
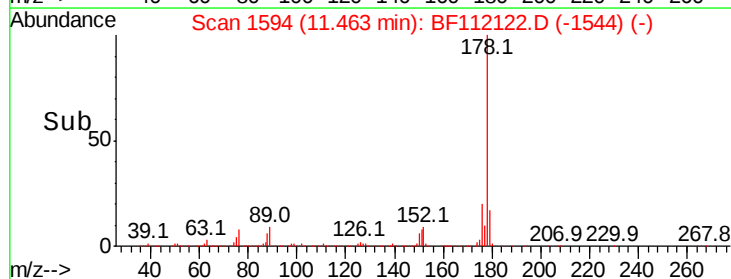
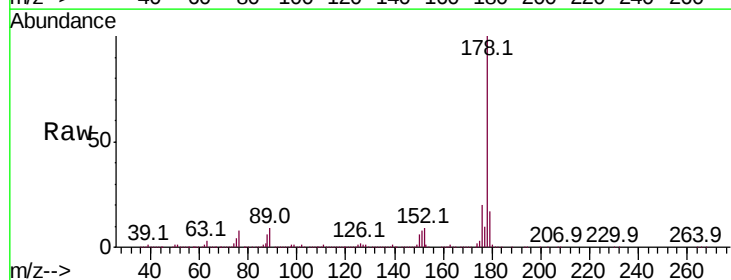
Manual Integrations
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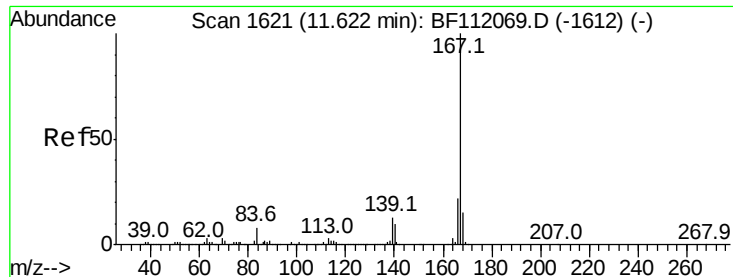
Sohil
1/21/2019 12:00:41 PM



#72
Anthracene
Concen: 47.521 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion:178 Resp: 2310882
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 16.5 12.8 19.2





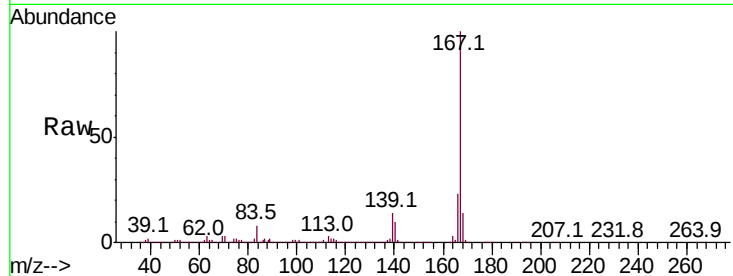
#73
 Carbazole
 Concen: 39.799 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.9	26.9
139	13.7	10.2	15.2

Manual Integrations
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 1/21/2019 12:00:41 PM

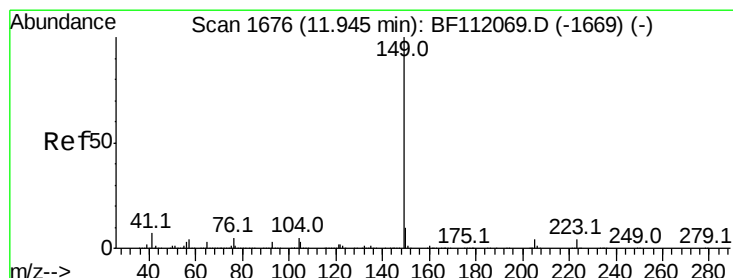
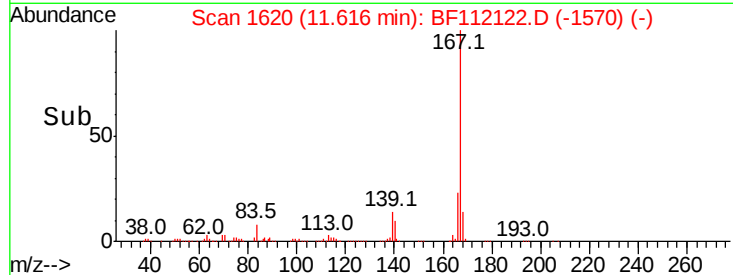
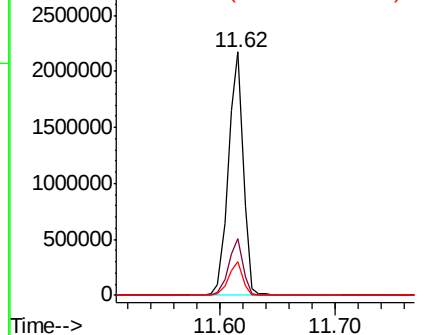


Abundance

Ion 167.00 (166.70 to 167.70): E

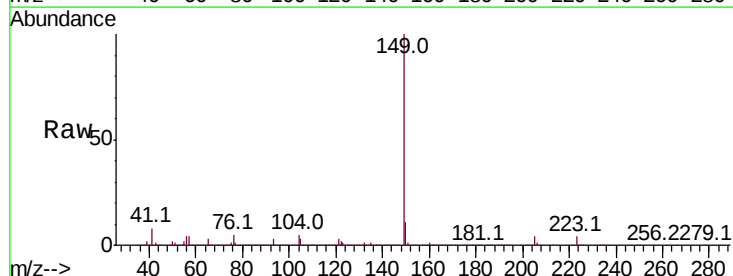
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 46.922 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. -0.01 min
 Lab File: BF112122.D
 Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	8.1	12.1
104	5.3	3.9	5.9

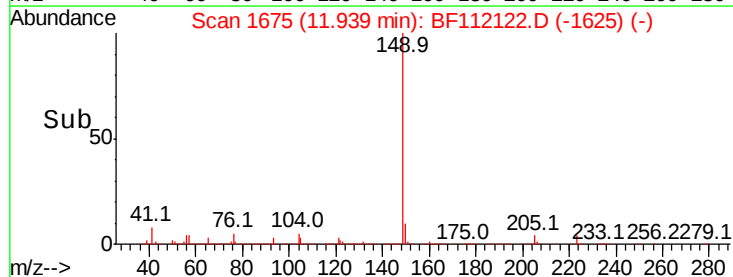
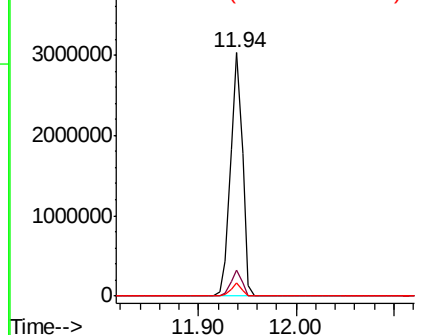


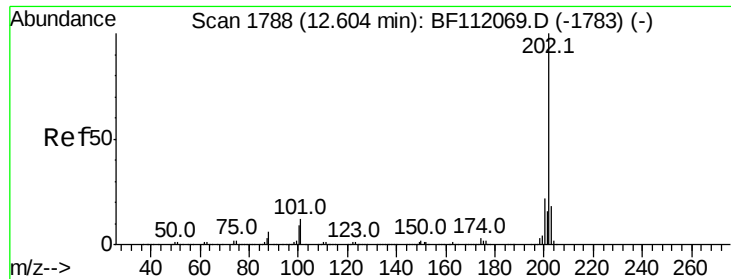
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.496 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion:202 Resp: 2153886

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.8

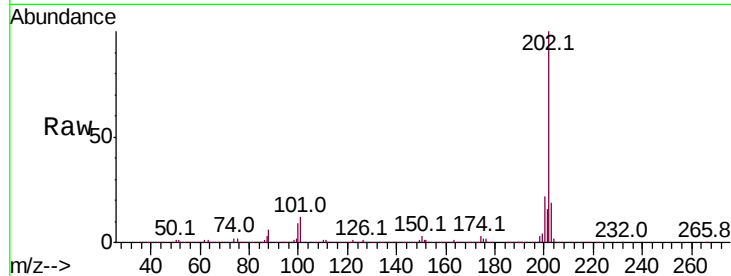
203 18.9 0.0 38.4

Manual Integrations

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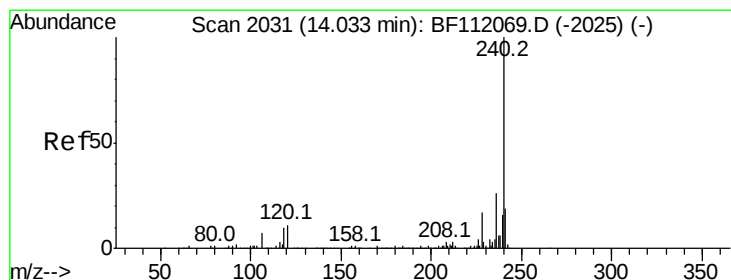
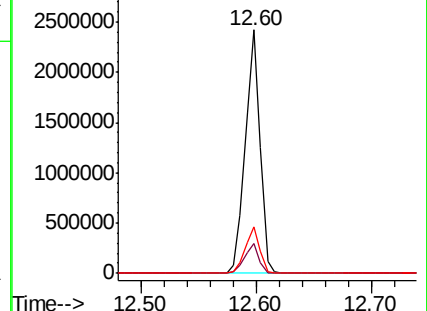
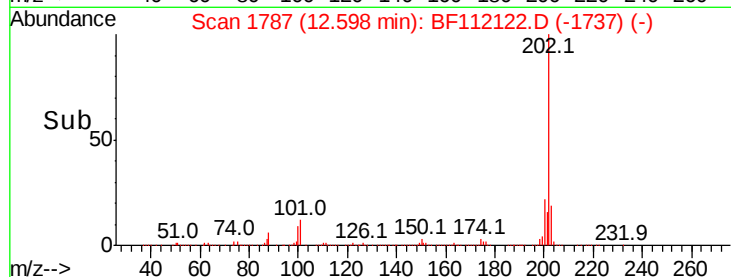
1/21/2019 12:00:41 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

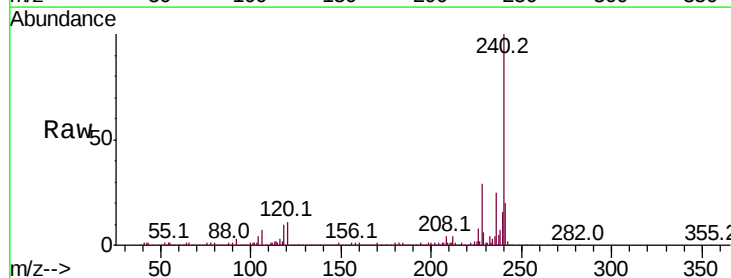
Tgt Ion:240 Resp: 635103

Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.6

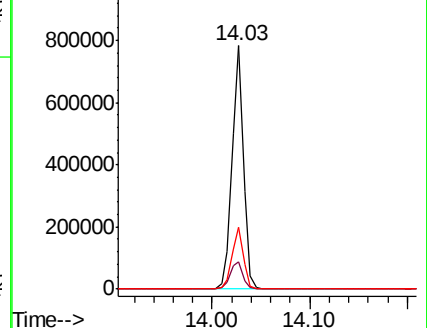
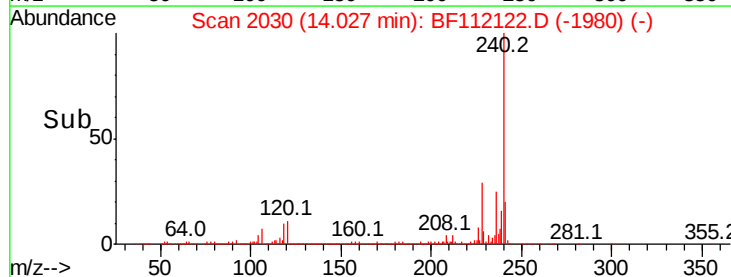
236 25.5 20.7 31.1

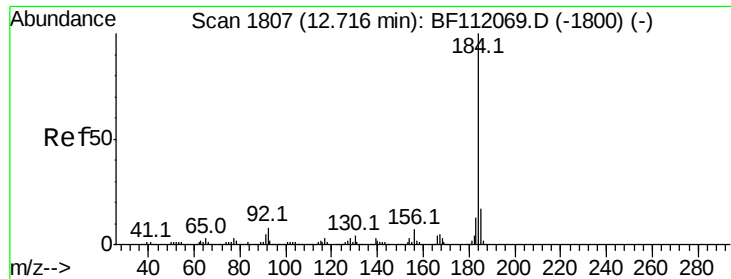


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 15.671 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

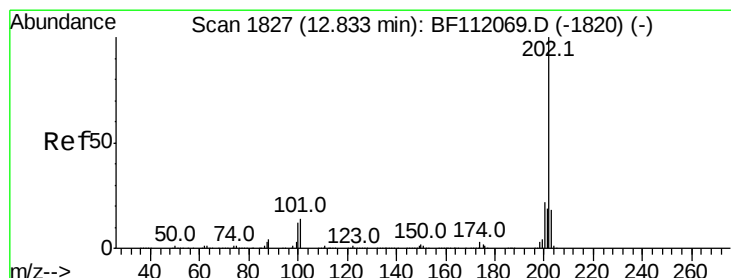
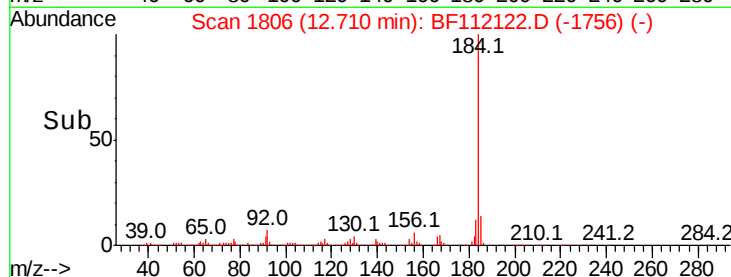
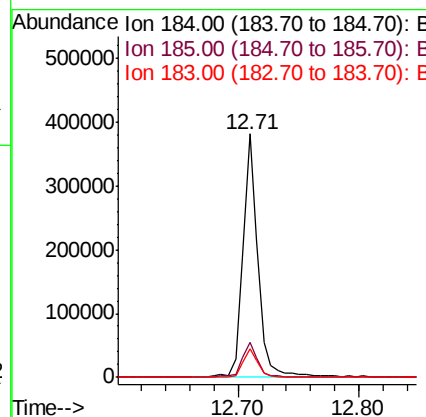
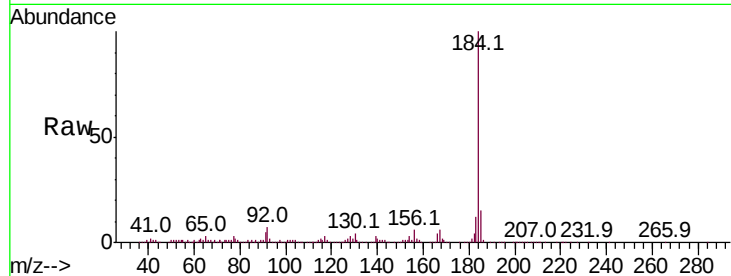
ClientSampleId :

WC-07-011519MSD

Tot Ion:	184	Resp:	332063
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.9	20.9
183	11.7	10.0	15.0

Manual Integrations
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#78

Pyrene

Concen: 50.662 ng

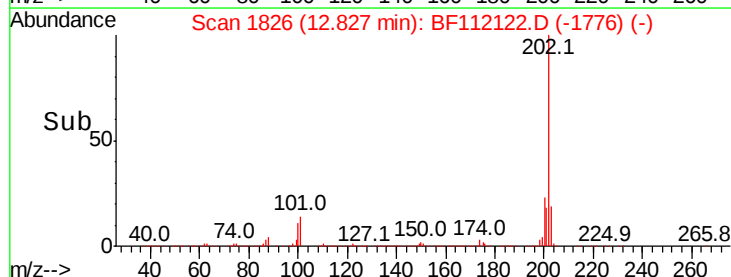
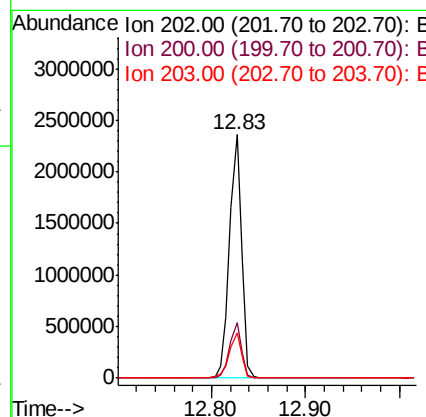
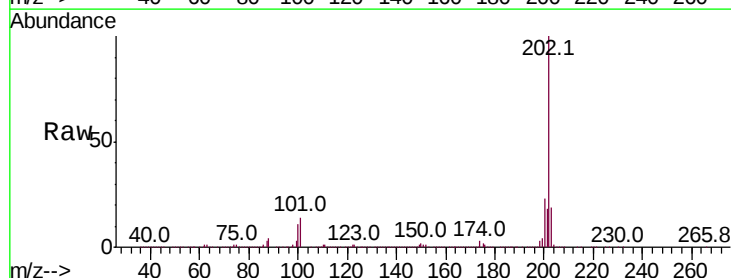
RT: 12.83 min Scan# 1826

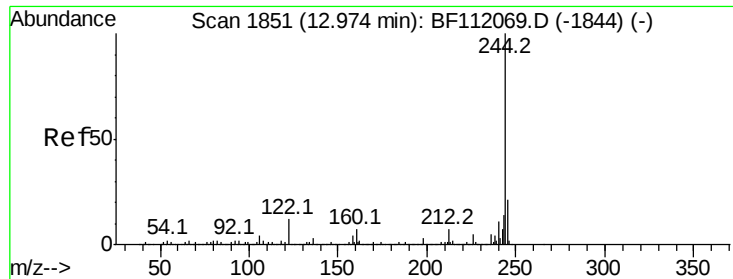
Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Tgt Ion:	202	Resp:	2122798
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.7	26.5
203	18.8	14.6	22.0





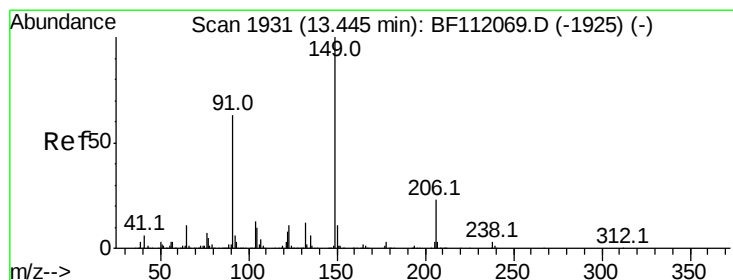
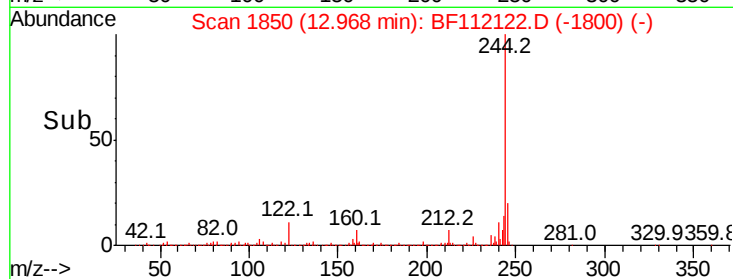
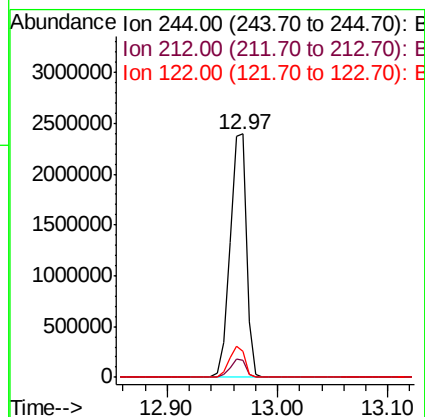
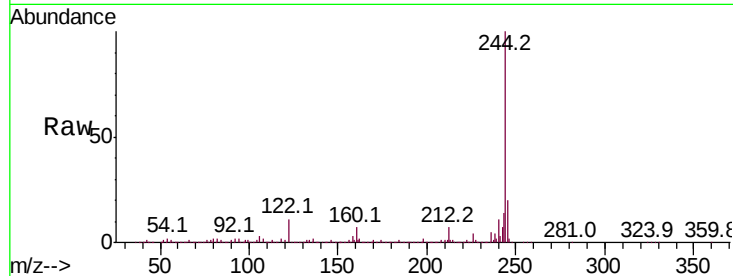
#79
Terphenyl-d14
Concen: 83.901 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.6	9.8	14.6

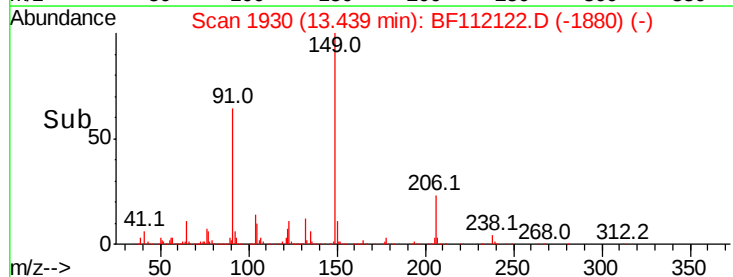
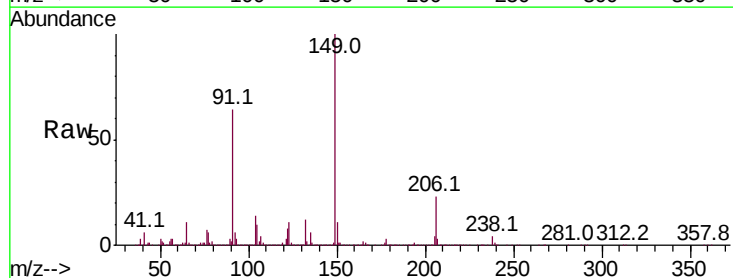
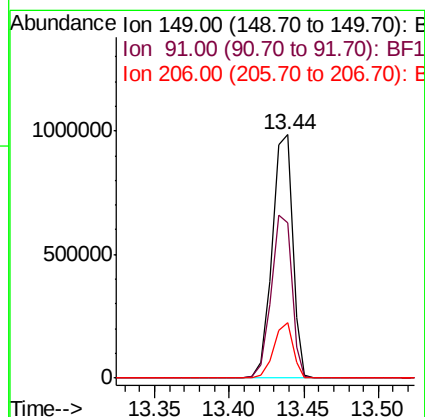
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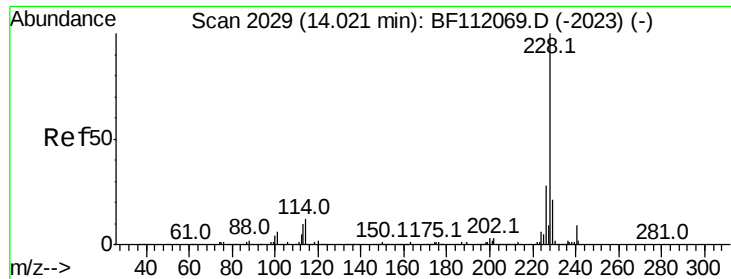
Sohil
1/21/2019 12:00:41 PM



#80
Butylbenzylphthalate
Concen: 50.887 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.3	75.5
206	22.5	18.2	27.4





#81

Benzo(a)anthracene

Concen: 49.672 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

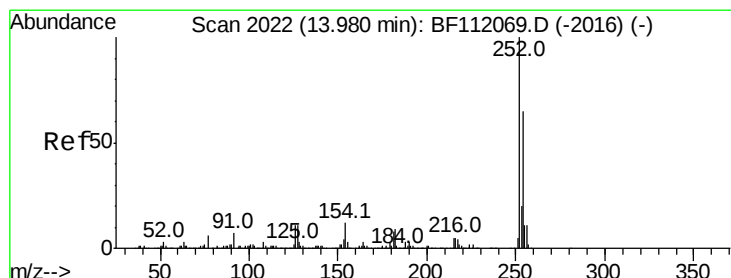
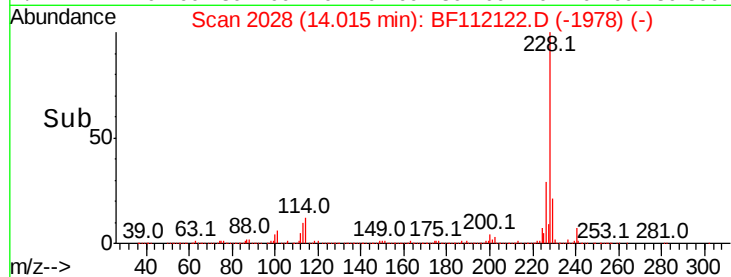
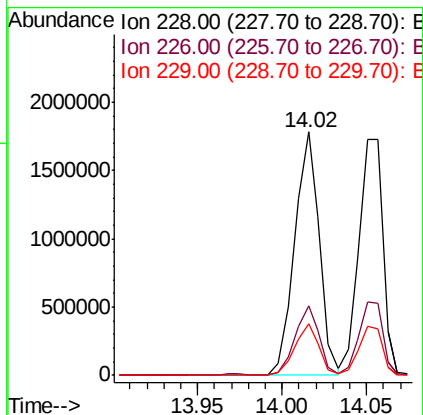
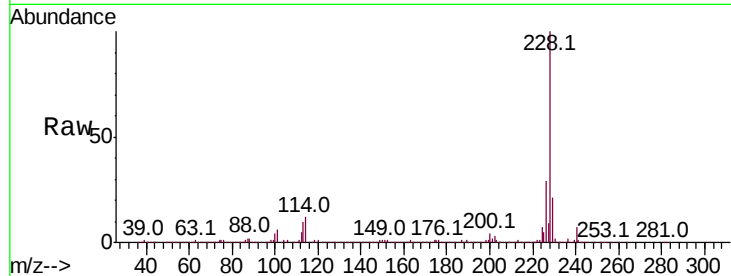
ClientSampleId :

WC-07-011519MSD

Tot Ion:	228	Resp:	1808818
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	21.1	16.5	24.7

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 32.576 ng

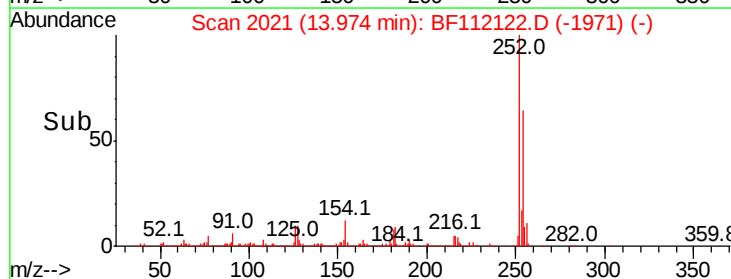
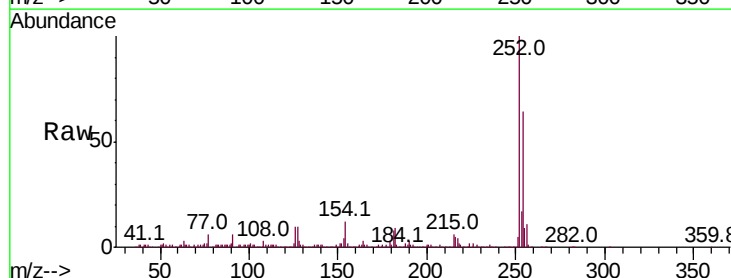
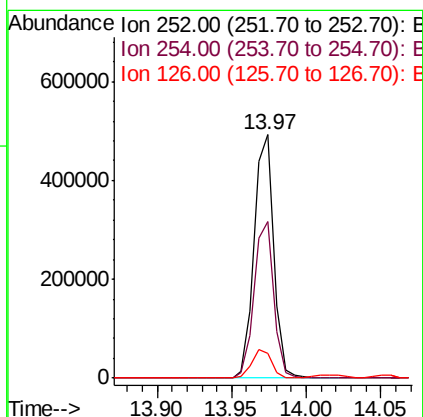
RT: 13.97 min Scan# 2021

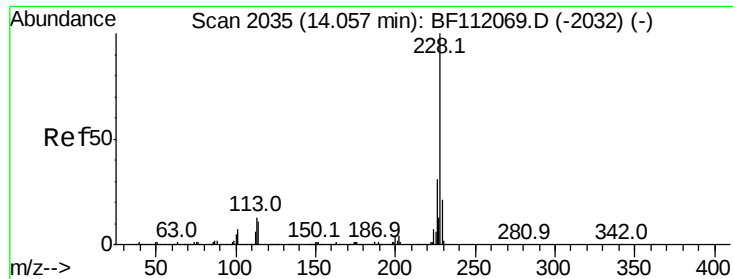
Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Tgt Ion:	252	Resp:	444251
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.6	77.4
126	10.1	8.6	12.8





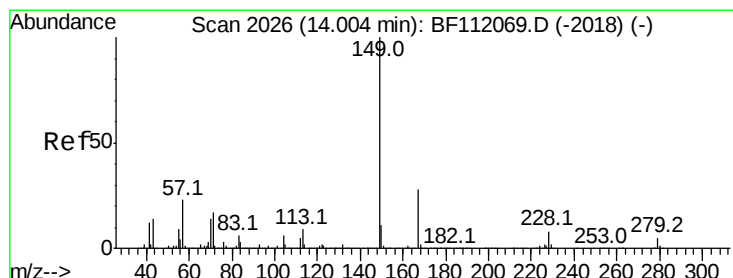
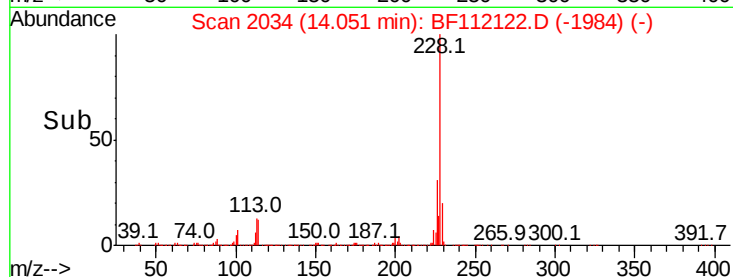
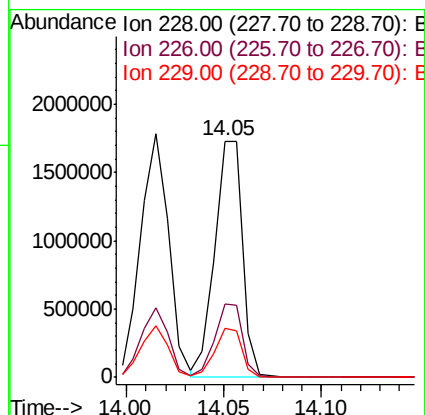
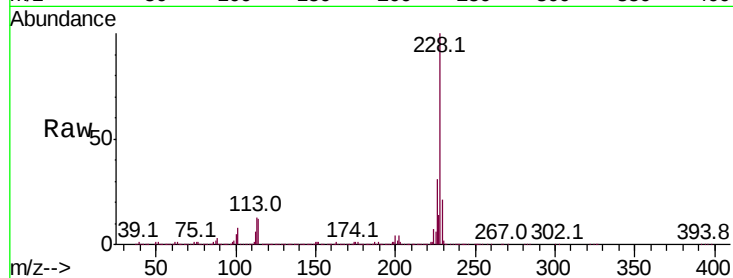
#83
Chrvsene
Concen: 49.677 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion:228 Resp: 1711721
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 20.5 16.6 24.8

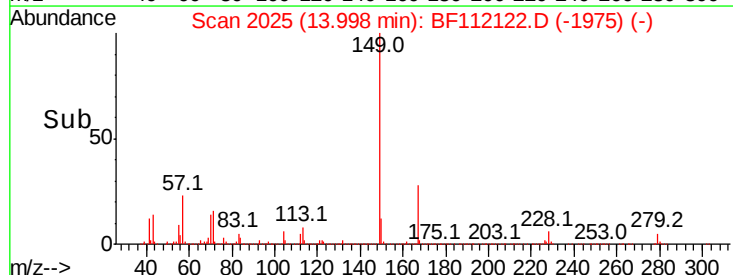
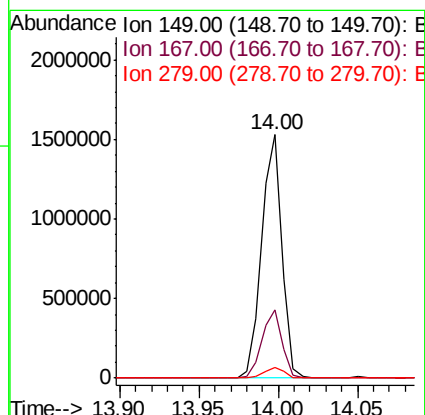
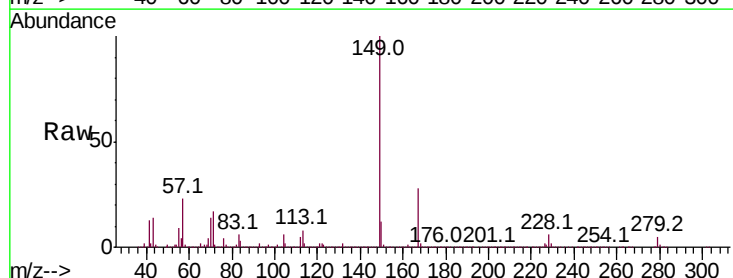
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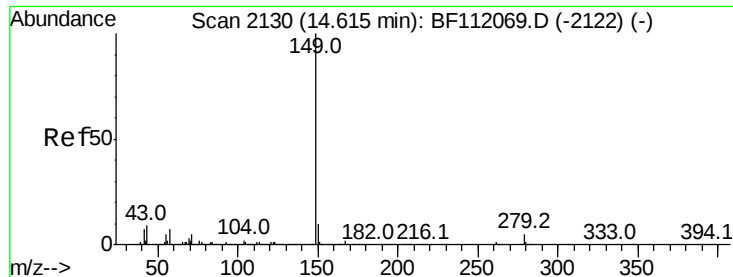
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 51.863 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion:149 Resp: 1366335
Ion Ratio Lower Upper
149 100
167 28.2 22.5 33.7
279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 51.614 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

ClientSampleId :

WC-07-011519MSD

Tot Ion:149 Resp: 2095088

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

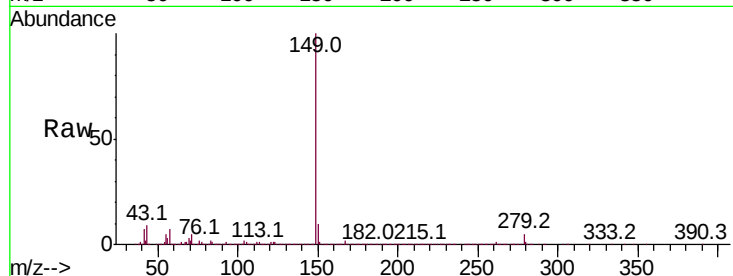
43 9.5 7.8 11.6

Manual Integrations

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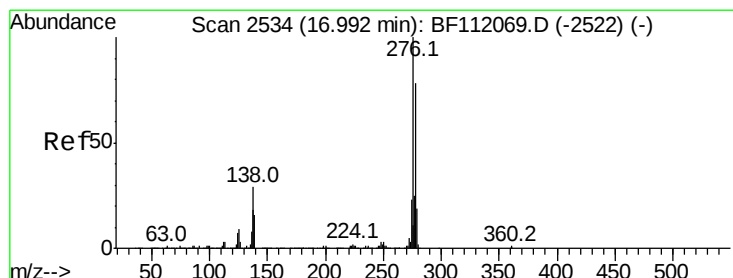
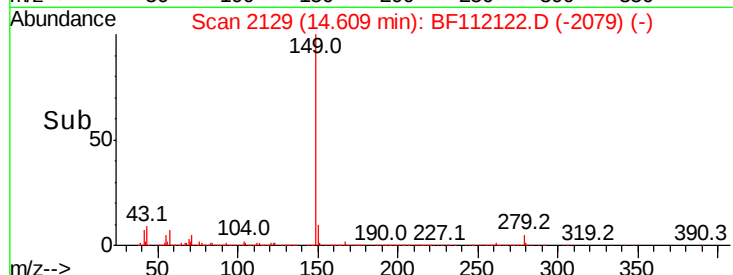
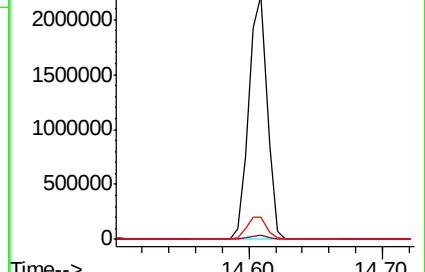
1/21/2019 12:00:41 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 54.309 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

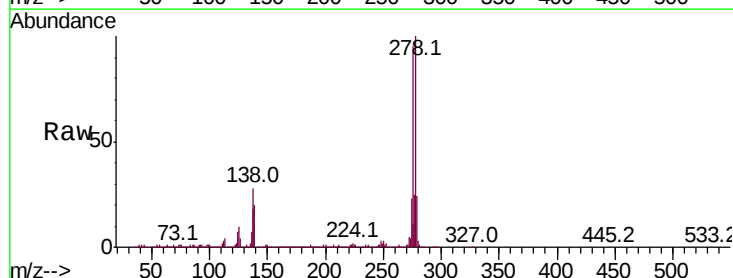
Tgt Ion:276 Resp: 1726444

Ion Ratio Lower Upper

276 100

138 27.0 22.6 34.0

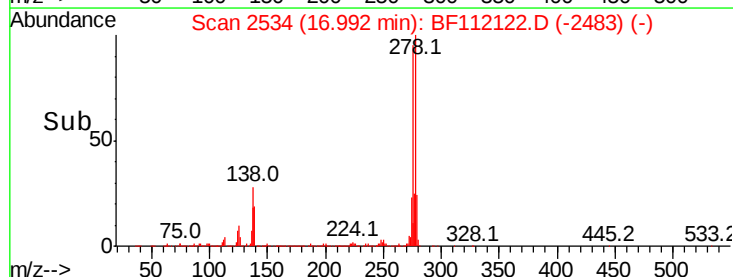
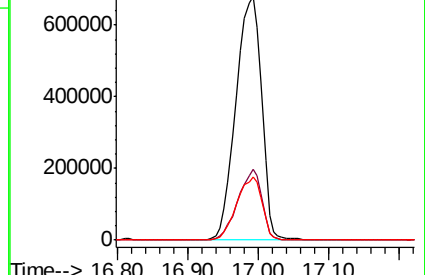
277 25.6 20.3 30.5

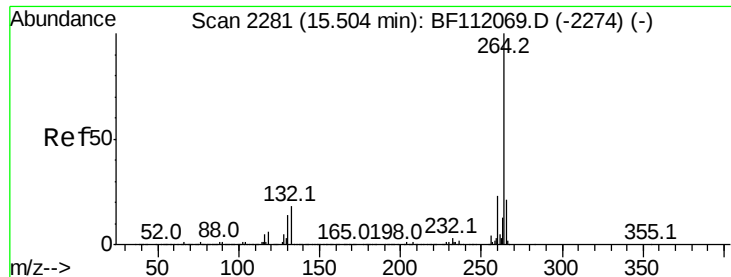


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF112122.D

Acq: 18 Jan 2019 12:52

Instrument :

BNA_F

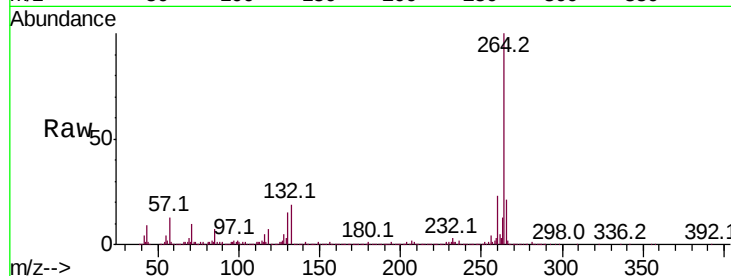
ClientSampleId :

WC-07-011519MSD

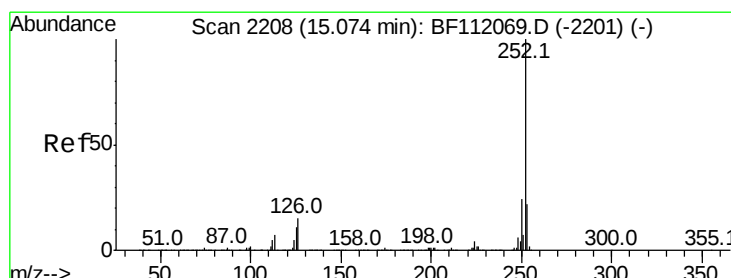
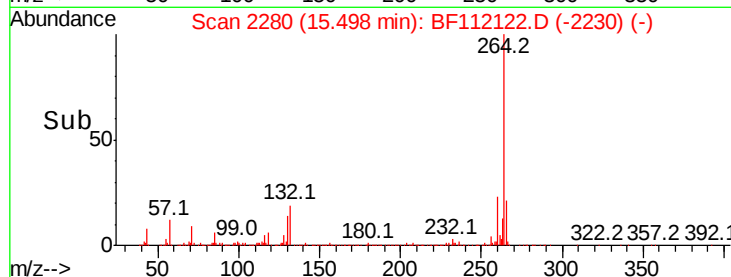
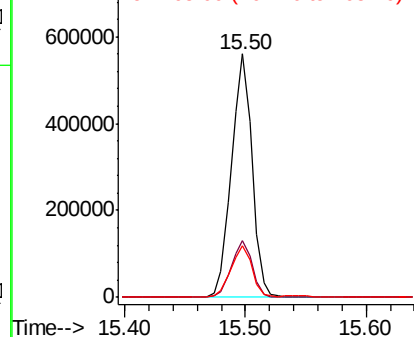
Tot Ion:	264	Resp:	663891
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.2	27.2
265	21.3	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 53.489 ng

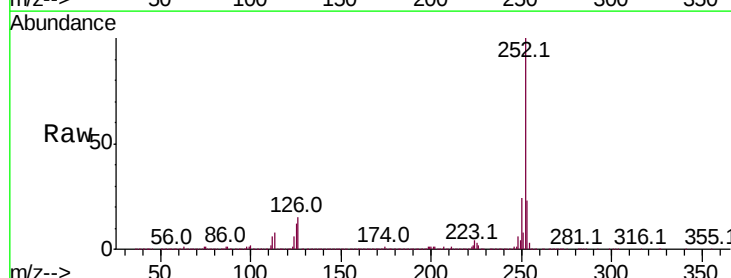
RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

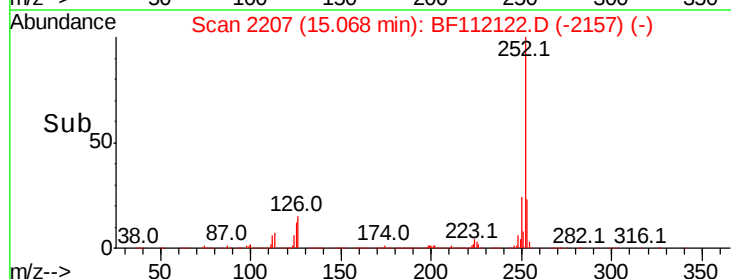
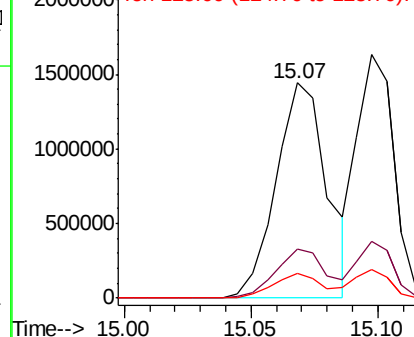
Lab File: BF112122.D

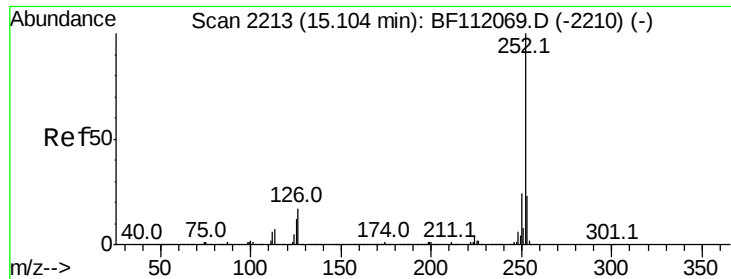
Acq: 18 Jan 2019 12:52

Tgt Ion:	252	Resp:	2015745
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	11.7	8.7	13.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





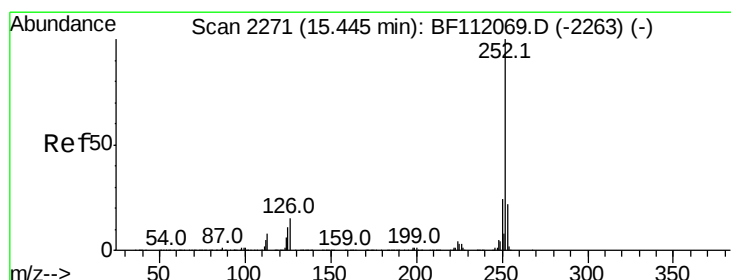
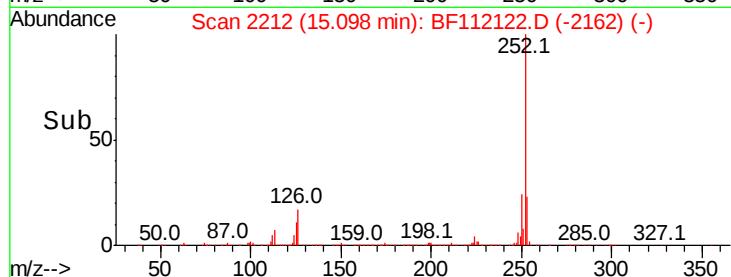
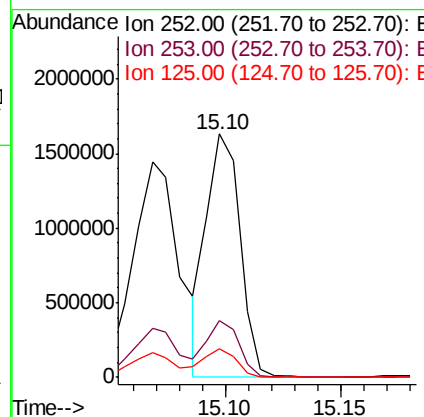
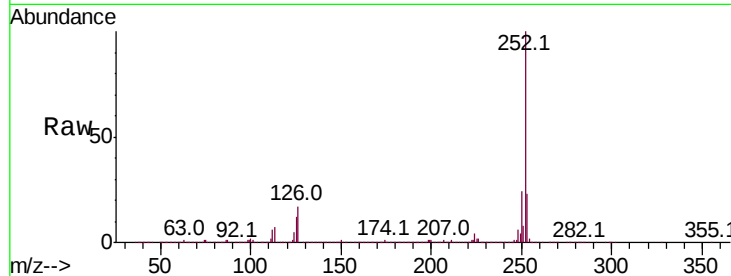
#89
Benzo(k)fluoranthene
Concen: 45.106 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.5	9.1	13.7

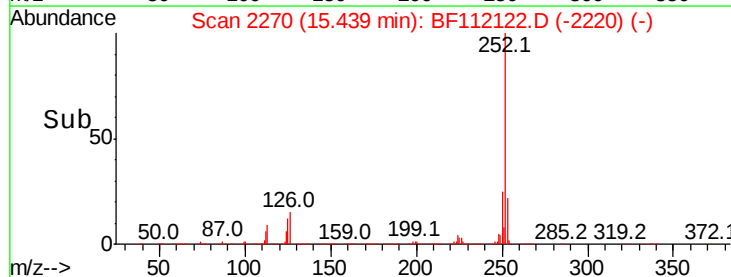
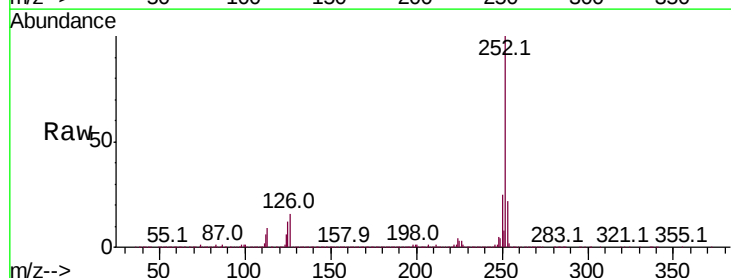
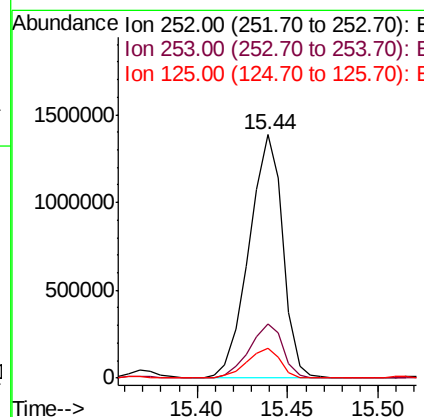
Manual Integrations
APPROVED

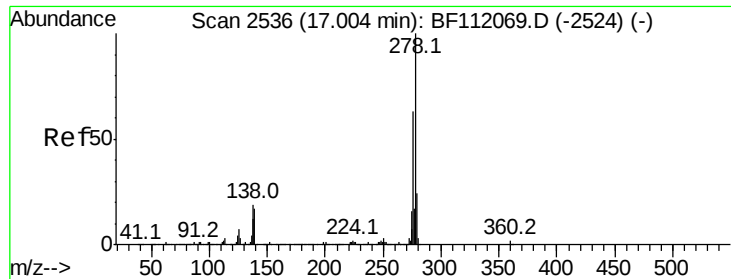
Sohil
1/21/2019 12:00:41 PM



#90
Benzo(a)pyrene
Concen: 51.761 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	12.3	9.0	13.4





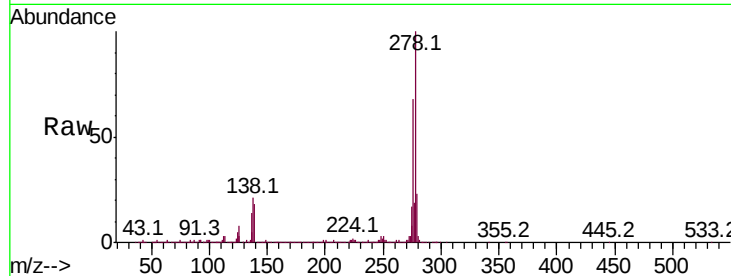
#91
Dibenzo(a,h)anthracene
Concen: 46.889 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Instrument :
BNA_F
ClientSampleId :
WC-07-011519MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.7	20.5
279	23.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
1/21/2019 12:00:41 PM

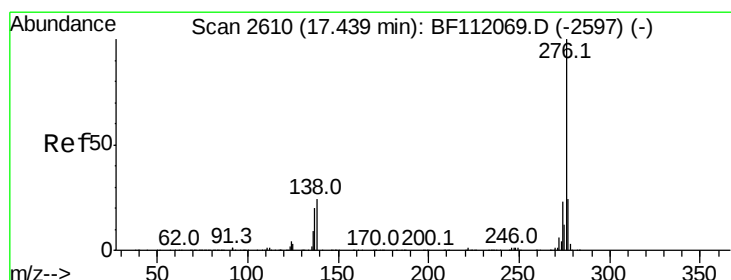
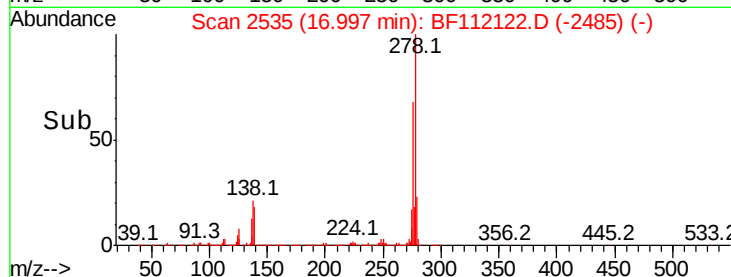
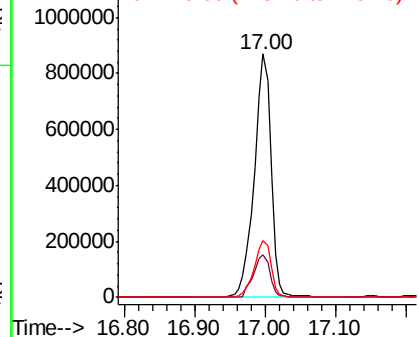


Abundance

Ion 278.00 (277.70 to 278.70): E

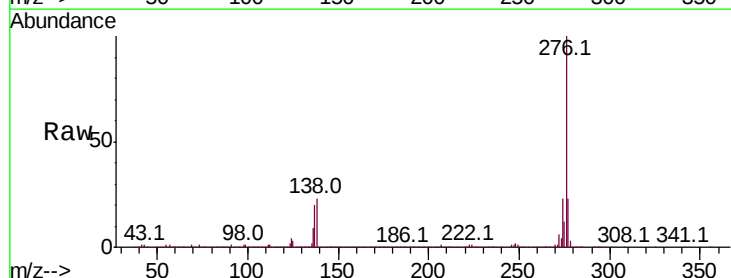
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 44.536 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF112122.D
Acq: 18 Jan 2019 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	23.5	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

