

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118259.D
 Acq On : 18 Dec 2019 15:20
 Operator : JU
 Sample : K6324-07MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MSD

Manual Integrations
 APPROVED

mohammad
 12/19/2019 11:16:46 AM

Quant Time: Dec 19 03:27:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	103801	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	407529	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	219519	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	421259	20.00	ng	0.00
76) Chrysene-d12	14.06	240	311412	20.00	ng	0.00
87) Perylene-d12	15.55	264	287622	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	568751	95.97	ng	0.00
7) Phenol-d6	6.50	99	716238	99.92	ng	0.00
23) Nitrobenzene-d5	7.43	82	432703	59.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	257655	96.62	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	917120	63.57	ng	-0.01
79) Terphenyl-d14	12.99	244	1157540	63.92	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	80512	32.219	ng	99
3) Pyridine	3.40	79	189457	29.386	ng	98
4) n-Nitrosodimethylamine	3.35	42	95116	34.294	ng	# 98
6) Aniline	6.52	93	164256	17.913	ng	96
8) 2-Chlorophenol	6.65	128	254074	38.020	ng	96
9) Benzaldehyde	6.41	77	74063	15.308	ng	99
10) Phenol	6.51	94	303532	37.130	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	215081	36.377	ng	98
12) 1,3-Dichlorobenzene	6.80	146	273453	35.029	ng	98
13) 1,4-Dichlorobenzene	6.88	146	281315	35.787	ng	97
14) 1,2-Dichlorobenzene	7.03	146	264990	35.896	ng	99
15) Benzyl Alcohol	7.00	79	208350	37.235	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	248823	35.001	ng	97
17) 2-Methylphenol	7.12	107	198735	37.391	ng	99
18) Hexachloroethane	7.37	117	100822	34.808	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	162473	37.300	ng	98
20) 3+4-Methylphenols	7.27	107	256840	38.471	ng	# 85
22) Acetophenone	7.27	105	345466	35.285	ng	97
24) Nitrobenzene	7.45	77	248651	34.937	ng	98
25) Isophorone	7.68	82	440250	35.851	ng	97
26) 2-Nitrophenol	7.76	139	138654	36.449	ng	95
27) 2,4-Dimethylphenol	7.80	122	223148	43.978	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	276892	34.507	ng	99
29) 2,4-Dichlorophenol	8.01	162	215610	36.450	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	234606	33.937	ng	99
31) Naphthalene	8.17	128	737951	36.056	ng	100
32) Benzoic acid	7.93	122	133480	29.135	ng	97
33) 4-Chloroaniline	8.22	127	81291	9.199	ng	98
34) Hexachlorobutadiene	8.29	225	137203	33.098	ng	98
35) Caprolactam	8.59	113	65024m	35.645	ng	
36) 4-Chloro-3-methylphenol	8.71	107	230927	37.097	ng	98
37) 2-Methylnaphthalene	8.86	142	513449	37.055	ng	99
38) 1-Methylnaphthalene	8.96	142	473721	36.411	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	227681	34.238	ng	99

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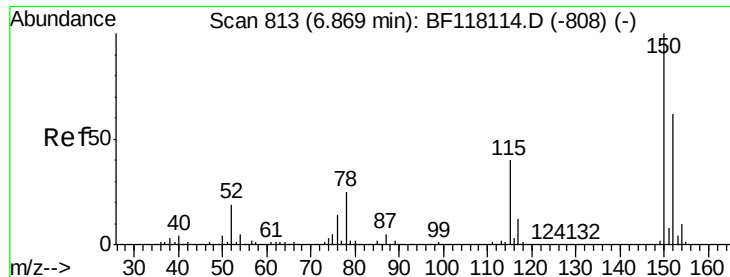
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 12/19/2019 11:16:46 AM

Quant Time: Dec 19 03:27:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.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	9.02	237	211676	71.043	ng	99
43) 2,4,6-Trichlorophenol	9.15	196	152677	34.386	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	165877	36.059	ng	94
46) 1,1'-Biphenyl	9.33	154	623219	35.997	ng	99
47) 2-Chloronaphthalene	9.36	162	478959	34.391	ng	98
48) 2-Nitroaniline	9.45	65	132103	33.262	ng	97
49) Acenaphthylene	9.77	152	780241	37.984	ng	99
50) Dimethylphthalate	9.63	163	613556	37.840	ng	99
51) 2,6-Dinitrotoluene	9.69	165	129096	36.615	ng	94
52) Acenaphthene	9.95	154	441491	35.213	ng	98
53) 3-Nitroaniline	9.86	138	59875	14.430	ng	92
54) 2,4-Dinitrophenol	9.98	184	113301	64.591	ng	95
55) Dibenzofuran	10.12	168	682462	37.149	ng	100
56) 4-Nitrophenol	10.04	139	186230	64.673	ng	96
57) 2,4-Dinitrotoluene	10.10	165	174142	37.005	ng	98
58) Fluorene	10.46	166	546093	37.405	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.24	232	136845	36.058	ng	99
60) Diethylphthalate	10.33	149	587209	36.757	ng	100
61) 4-Chlorophenyl-phenylether	10.45	204	268213	36.512	ng	99
62) 4-Nitroaniline	10.49	138	143597	33.182	ng	99
63) Azobenzene	10.62	77	507673	37.225	ng	95
65) 4,6-Dinitro-2-methylphenol	10.52	198	84510	36.326	ng	96
66) n-Nitrosodiphenylamine	10.57	169	480902	36.556	ng	100
67) 4-Bromophenyl-phenylether	10.95	248	166733	34.673	ng	93
68) Hexachlorobenzene	11.02	284	189347	33.454	ng	94
69) Atrazine	11.10	200	144636	39.552	ng	100
70) Pentachlorophenol	11.22	266	178688	67.132	ng	98
71) Phenanthrene	11.43	178	825377	36.858	ng	99
72) Anthracene	11.48	178	848618	37.988	ng	99
73) Carbazole	11.64	167	750365	37.437	ng	99
74) Di-n-butylphthalate	11.96	149	955610	38.096	ng	99
75) Fluoranthene	12.63	202	868574	37.937	ng	99
77) Benzidine	12.74	184	287271	35.042	ng	97
78) Pyrene	12.86	202	871496	35.512	ng	99
80) Butylbenzylphthalate	13.47	149	406688	36.592	ng	97
81) Benzo(a)anthracene	14.05	228	751011	34.877	ng	99
82) 3,3'-Dichlorobenzidine	14.01	252	120851	17.089	ng	97
83) Chrysene	14.09	228	726201	35.306	ng	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	580133	39.586	ng	100
85) Di-n-octyl phthalate	14.64	149	920968	41.485	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	685782	39.625	ng	100
88) Benzo(b)fluoranthene	15.12	252	648966	34.116	ng	98
89) Benzo(k)fluoranthene	15.12	252	648966	35.513	ng	99
90) Benzo(a)pyrene	15.49	252	620714	36.946	ng	99
91) Dibenzo(a,h)anthracene	17.09	278	576823	40.030	ng	99
92) Benzo(g,h,i)perylene	17.53	276	566114	40.884	ng	98

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



#1

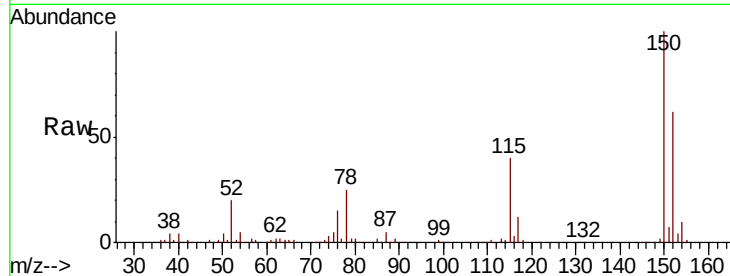
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampled :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	128.3	192.5
115	64.4	51.1	76.7

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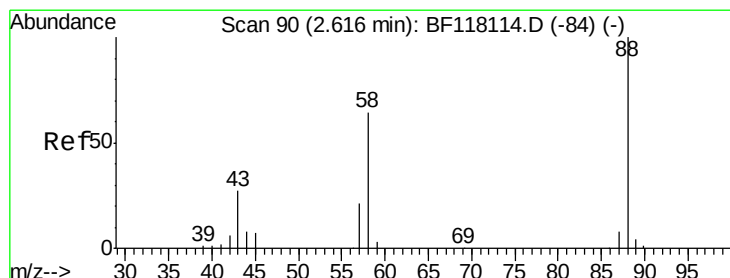
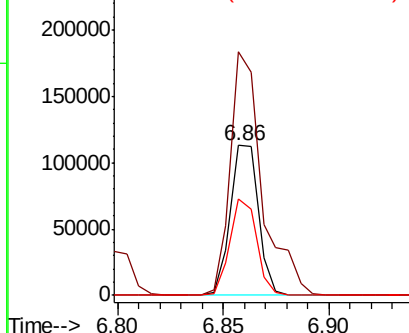
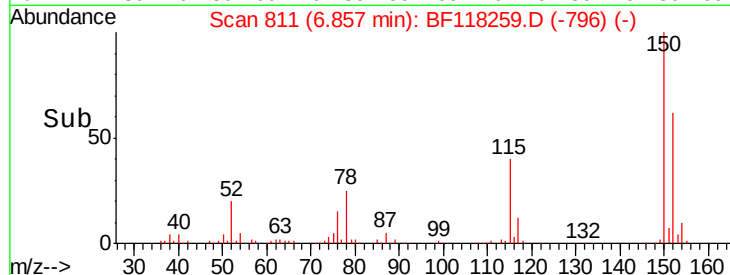


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

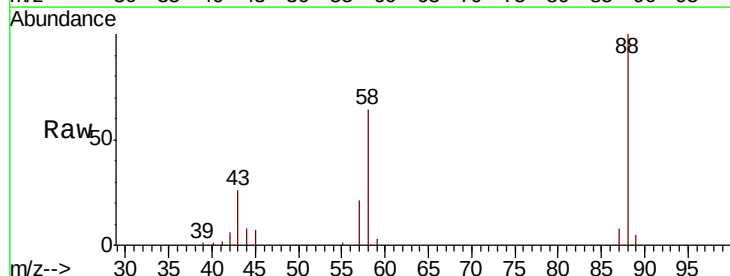
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 32.219 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.02 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	52.2	78.4
43	27.5	21.4	32.2

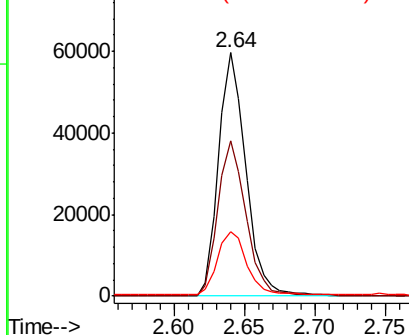
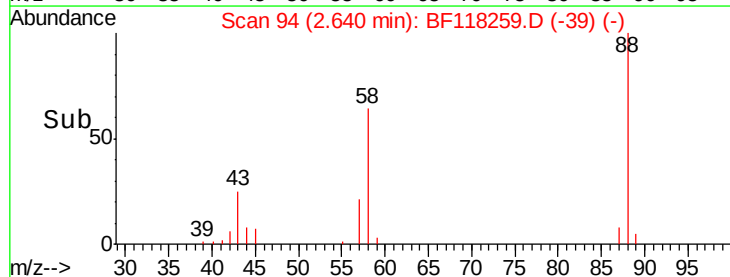


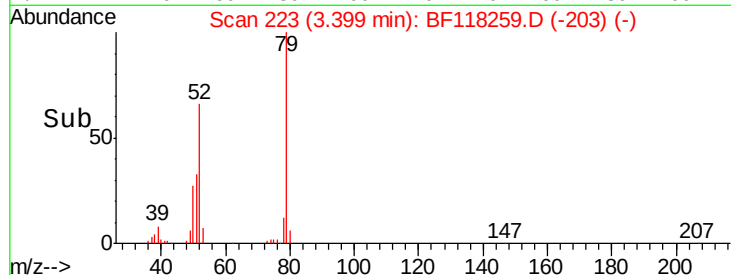
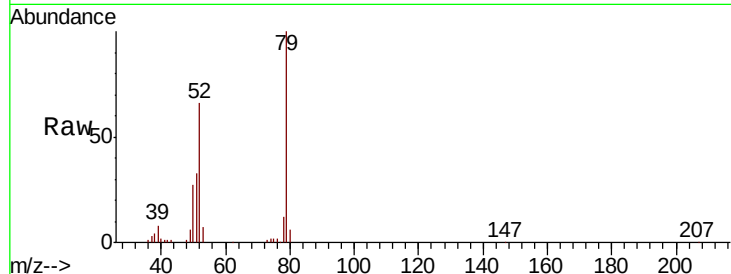
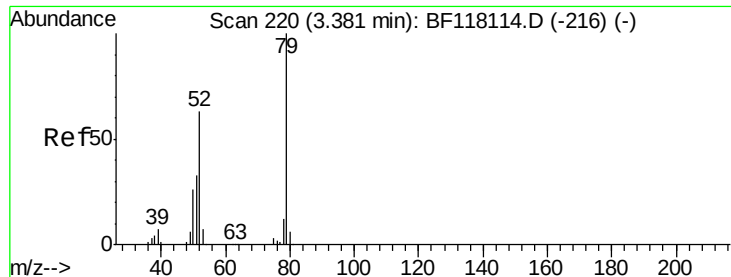
Abundance

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





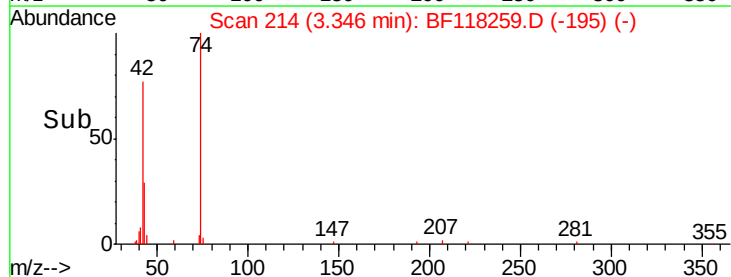
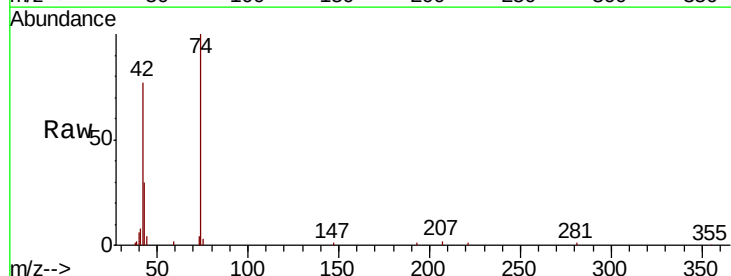
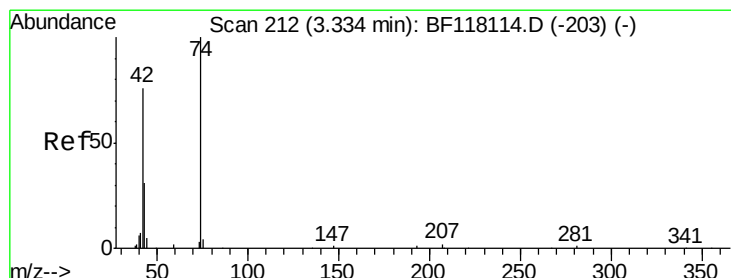
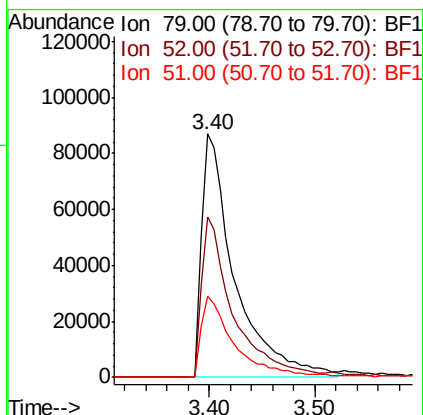
#3
Pvridine
Concen: 29.386 ng
RT: 3.40 min Scan# 223
Delta R.T. 0.02 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tot Ion	Ratio	Lower	Upper
79	100		
52	66.0	50.7	76.1
51	33.3	26.4	39.6

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

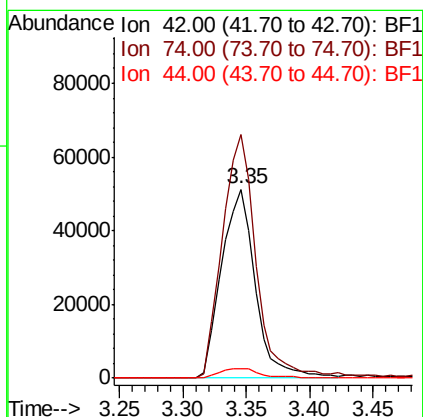
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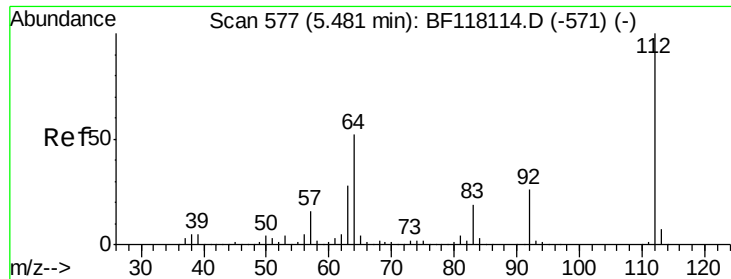
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#4
n-Nitrosodimethylamine
Concen: 34.294 ng
RT: 3.35 min Scan# 214
Delta R.T. 0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
42	100		
74	129.1	104.6	157.0
44	5.1	5.1	7.7#





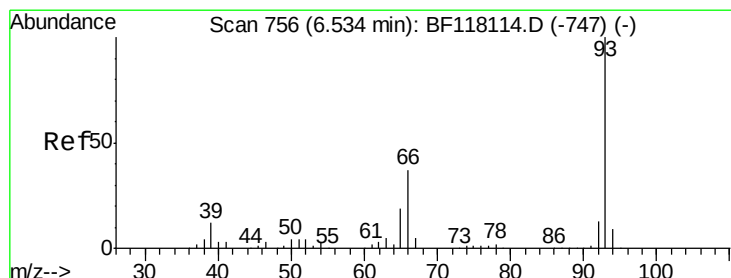
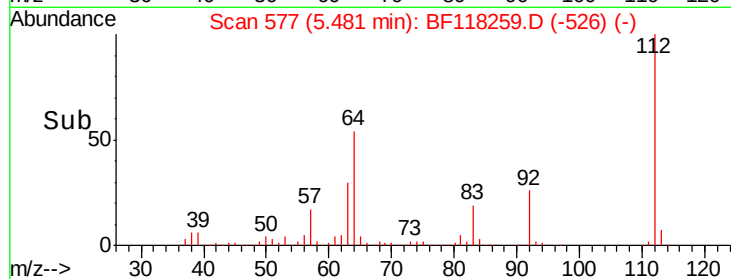
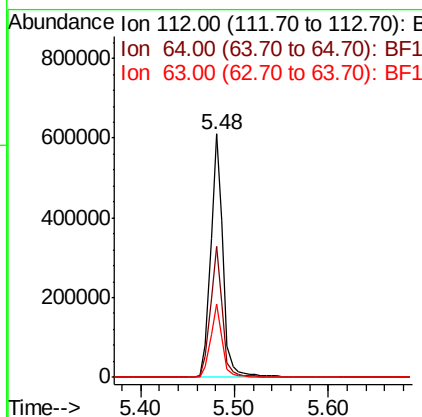
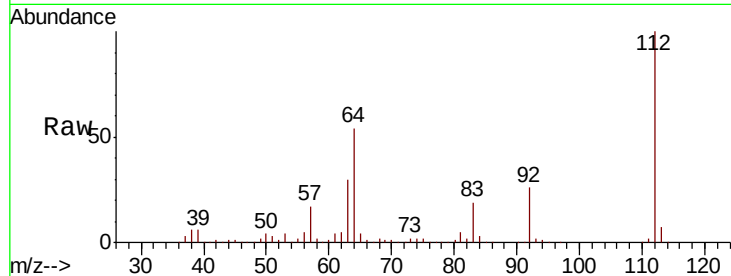
#5
2-Fluorophenol
Concen: 95.967 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion:	112	Resp:	568751
Ion Ratio	Lower	Upper	
112	100		
64	53.6	41.3	61.9
63	29.9	22.4	33.6

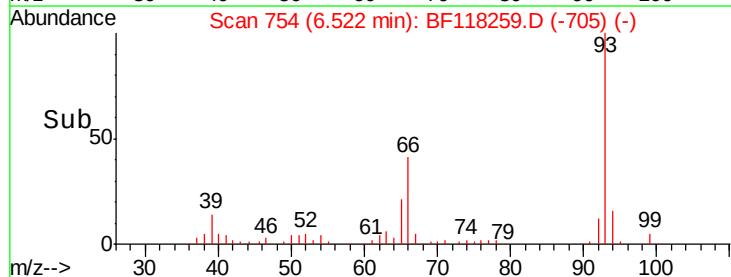
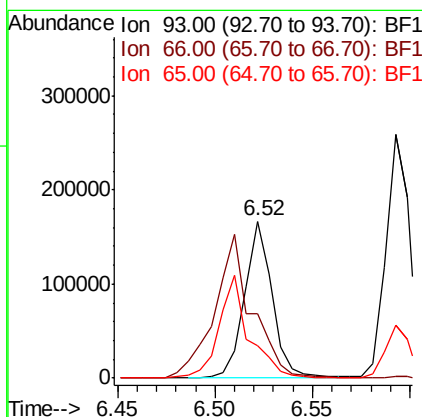
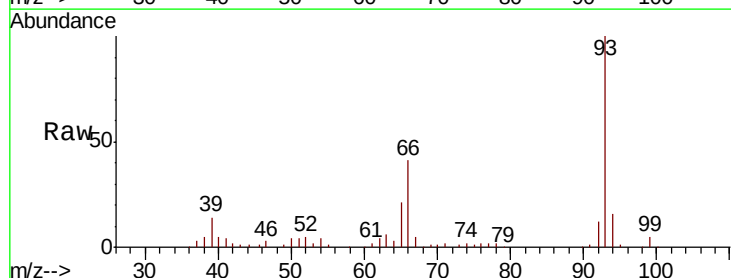
Manual Integrations
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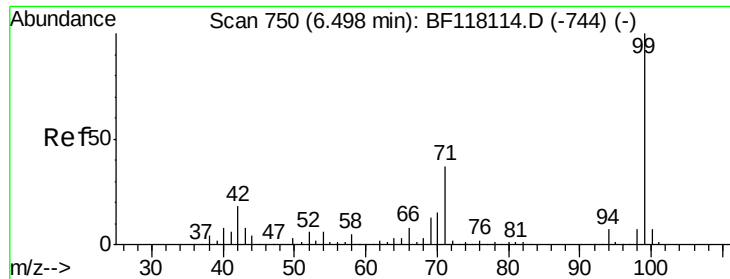
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#6
Aniline
Concen: 17.913 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion:	93	Resp:	164256
Ion Ratio	Lower	Upper	
93	100		
66	40.7	30.2	45.2
65	20.9	15.5	23.3





#7

Phenol-d6

Concen: 99.917 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

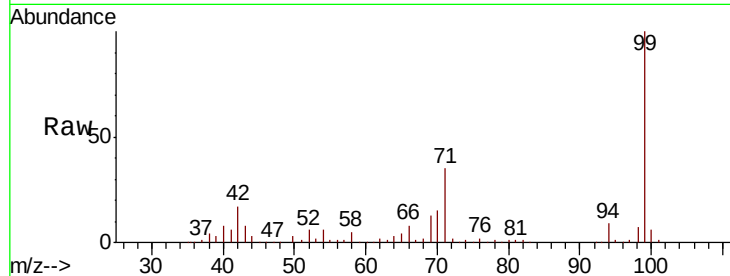
ClientSampleId :

EP-15MSD

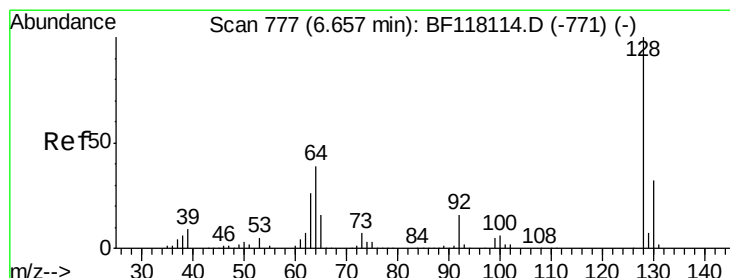
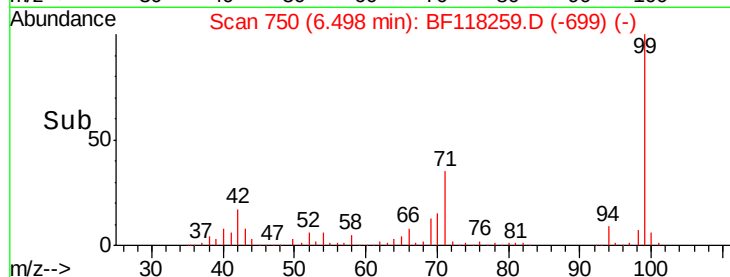
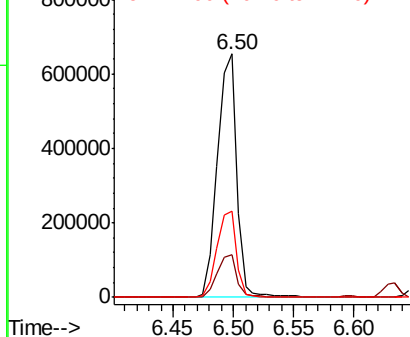
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		716238		
42	17.3	14.1	21.1		
71	35.4	29.7	44.5		

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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: 38.020 ng

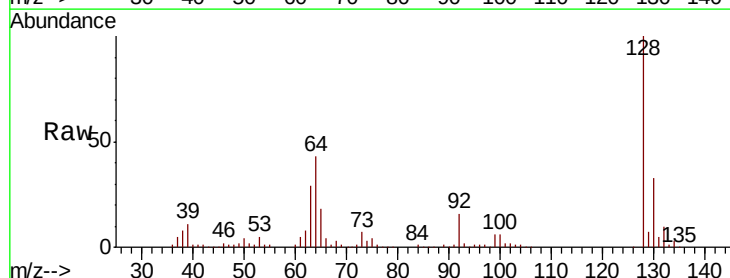
RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

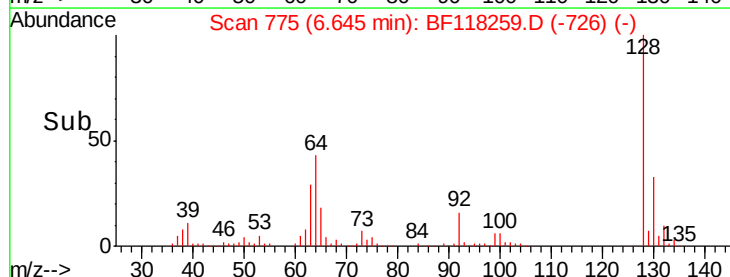
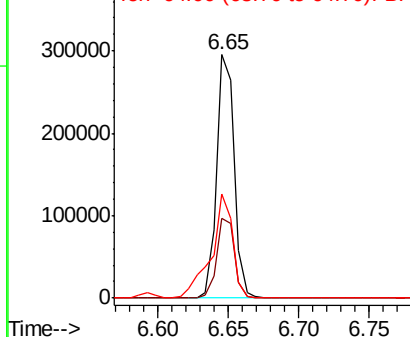
Lab File: BF118259.D

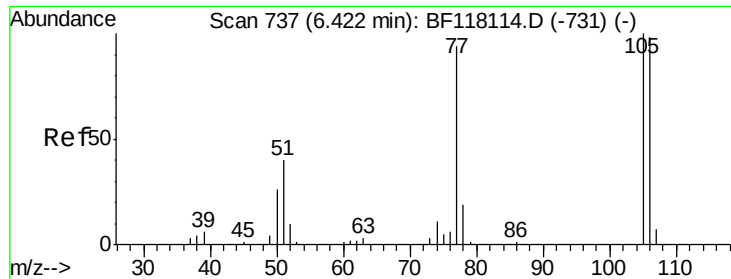
Acq: 18 Dec 2019 15:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		254074		
130	33.0	12.1	52.1		
64	42.6	19.3	59.3		



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: 15.308 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

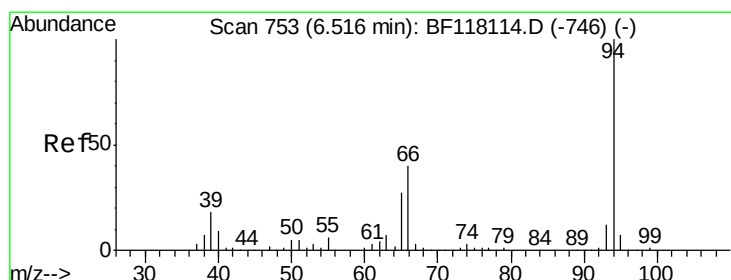
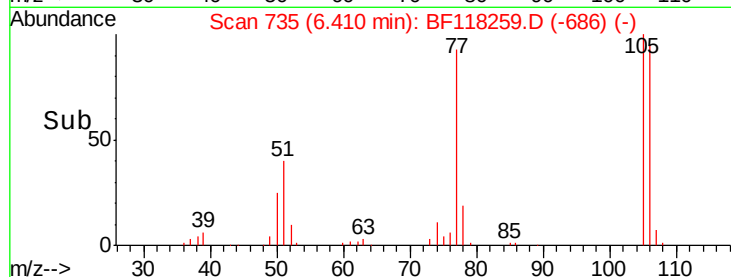
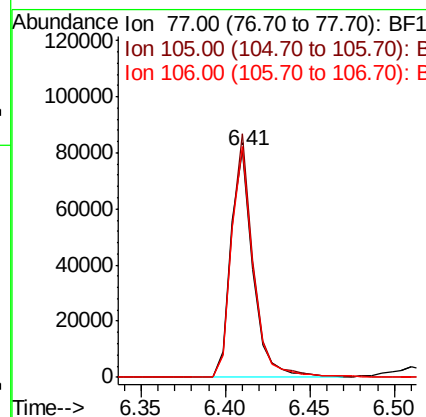
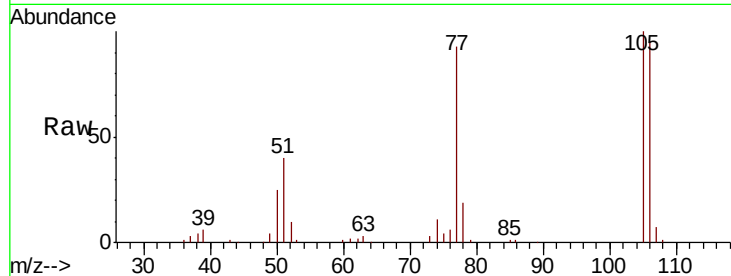
ClientSampleId :

EP-15MSD

Tot Ion:	77	Resp:	74063
Ion	Ratio	Lower	Upper
77	100		
105	107.3	86.4	126.4
106	102.0	83.8	123.8

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#10

Phenol

Concen: 37.130 ng

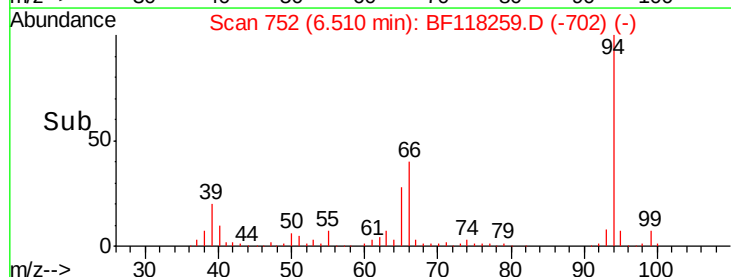
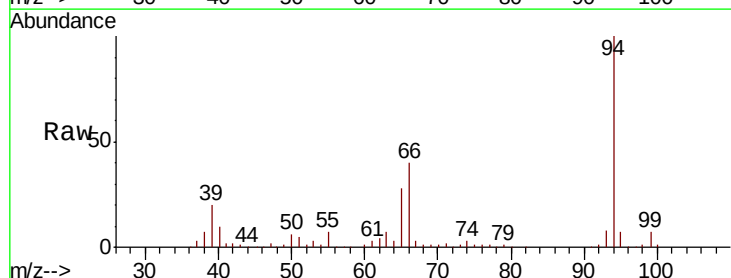
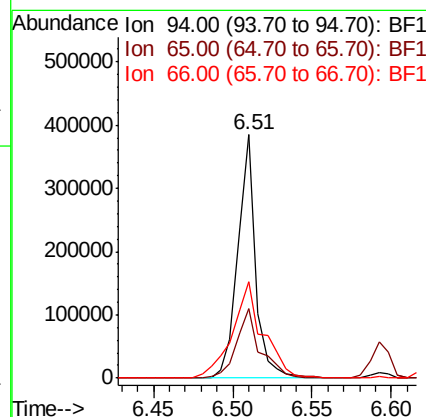
RT: 6.51 min Scan# 752

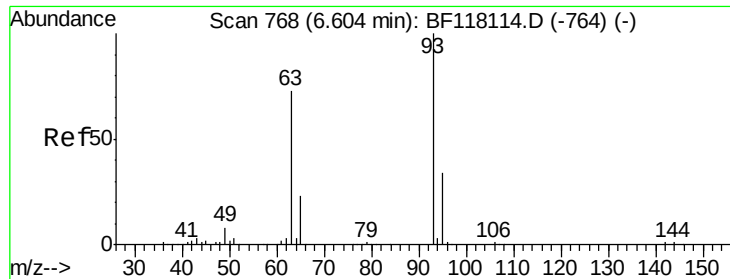
Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Tgt Ion:	94	Resp:	303532
Ion	Ratio	Lower	Upper
94	100		
65	28.4	7.3	47.3
66	39.5	20.2	60.2





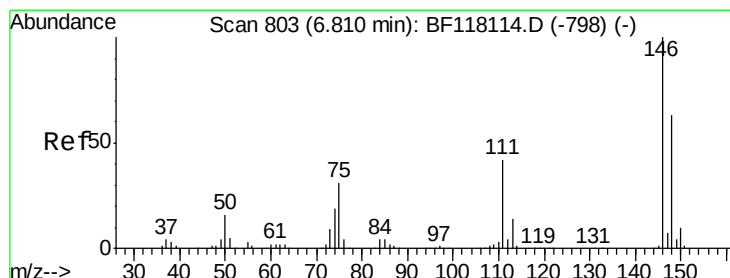
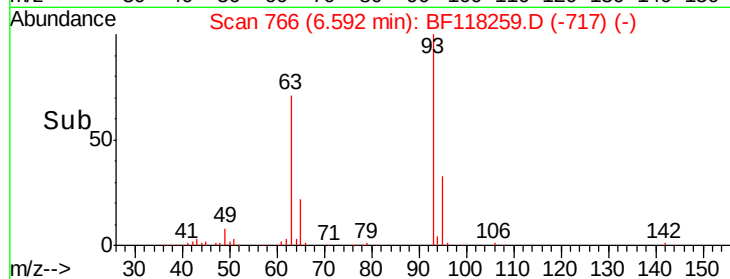
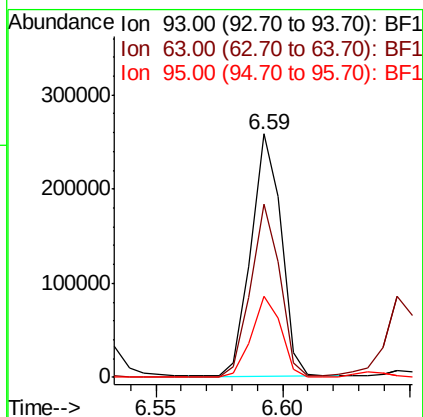
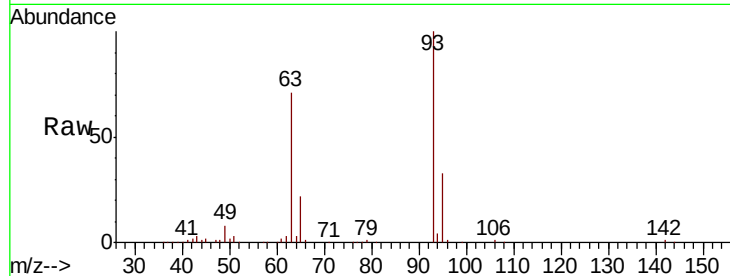
#11
bis(2-Chloroethyl)ether
Concen: 36.377 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.3	53.2	93.2
95	33.1	13.8	53.8

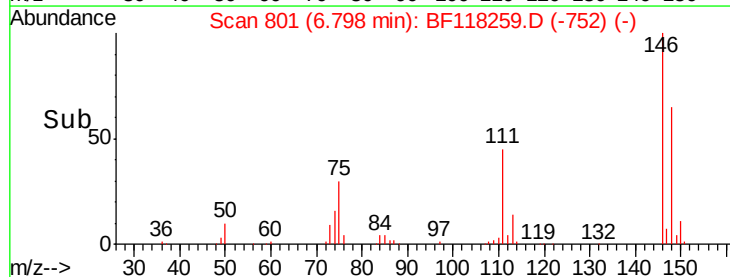
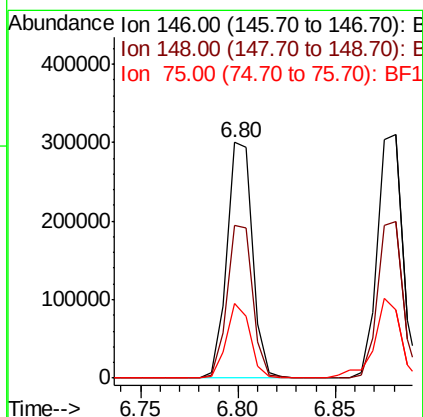
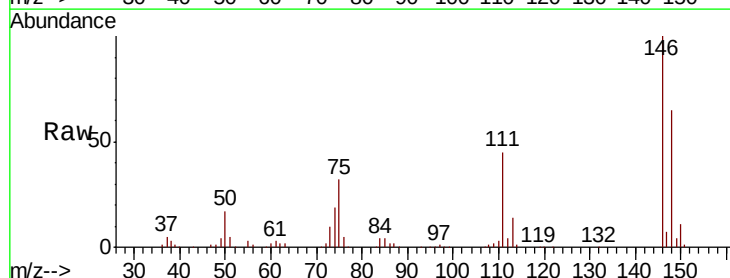
Manual Integrations
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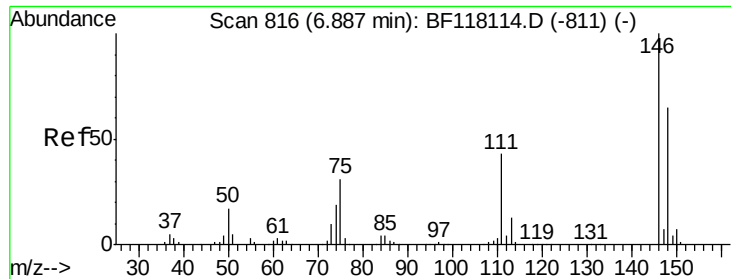
mohammad
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#12
1,3-Dichlorobenzene
Concen: 35.029 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.2	75.4
75	31.6	24.6	37.0





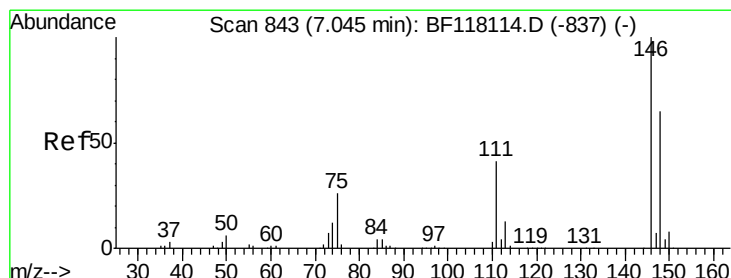
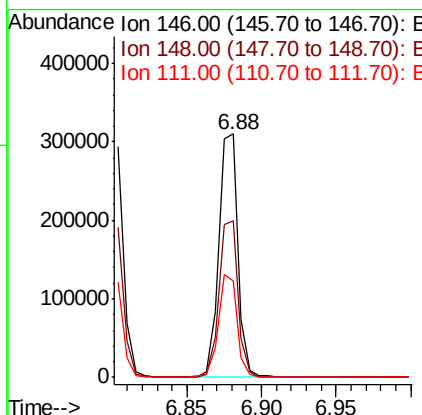
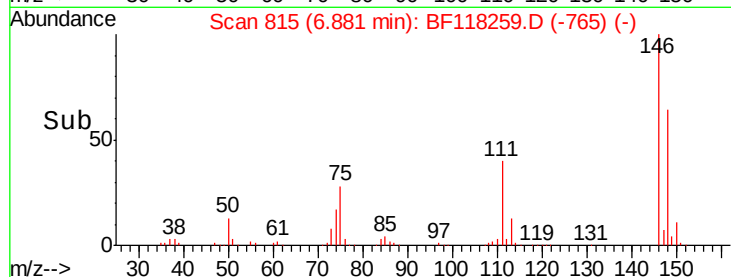
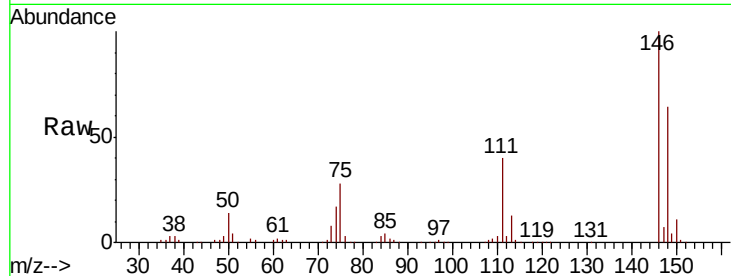
#13
1,4-Dichlorobenzene
Concen: 35.787 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.1	78.1
111	39.7	34.6	52.0

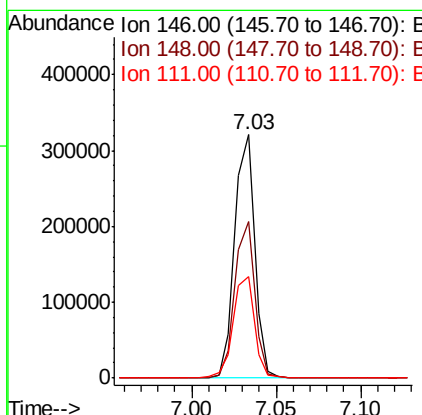
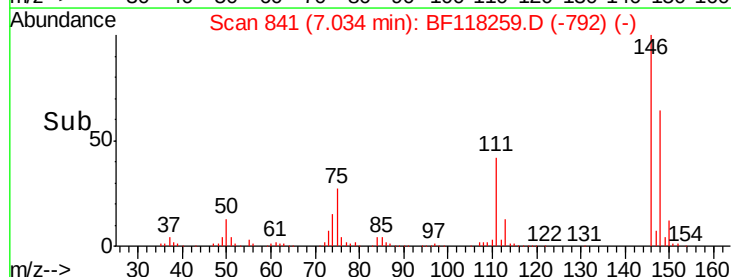
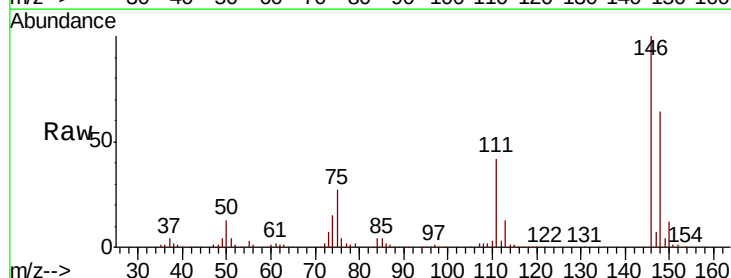
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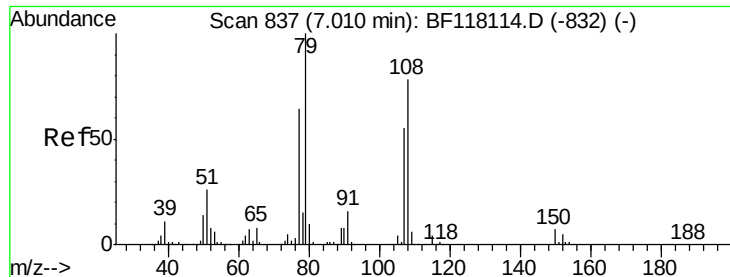
mohammad
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#14
1,2-Dichlorobenzene
Concen: 35.896 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.2	78.2
111	41.7	33.1	49.7





#15

Benzyl Alcohol

Concen: 37.235 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

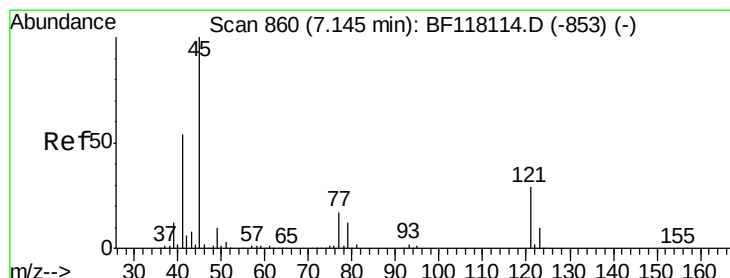
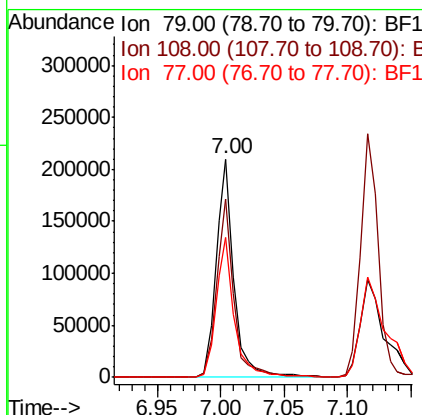
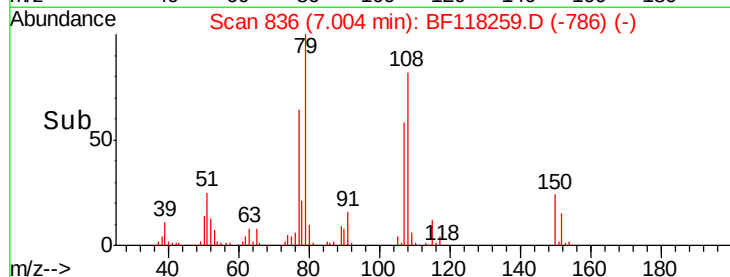
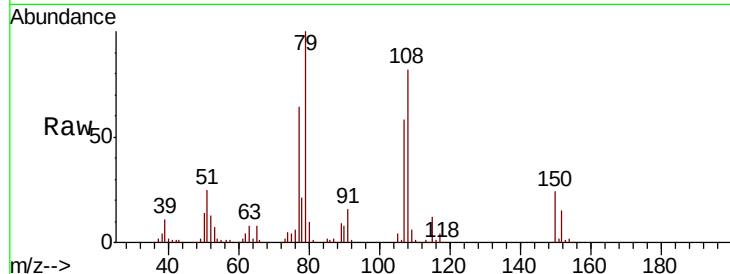
ClientSampleId :

EP-15MSD

Tot Ion:	79	Resp:	208350
Ion	Ratio	Lower	Upper
79	100		
108	81.6	62.7	94.1
77	64.2	51.4	77.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.001 ng

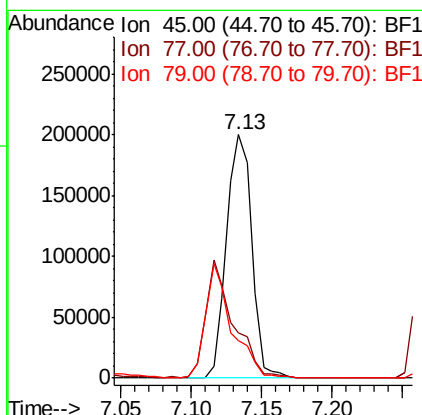
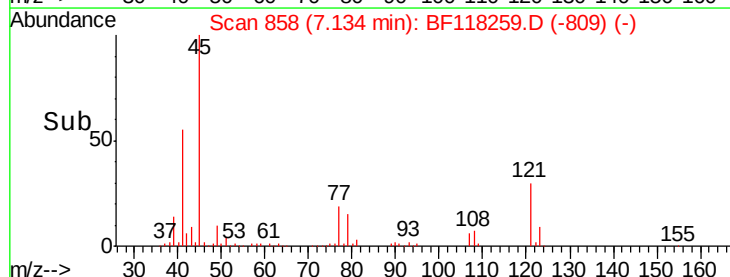
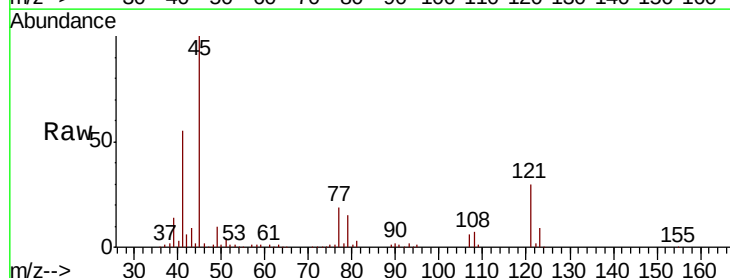
RT: 7.13 min Scan# 858

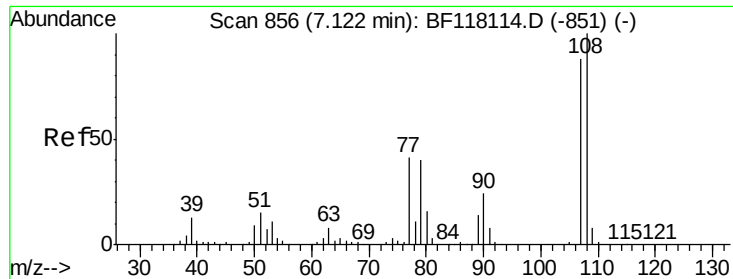
Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Tgt Ion:	45	Resp:	248823
Ion	Ratio	Lower	Upper
45	100		
77	18.7	0.0	38.0
79	15.5	0.0	33.2





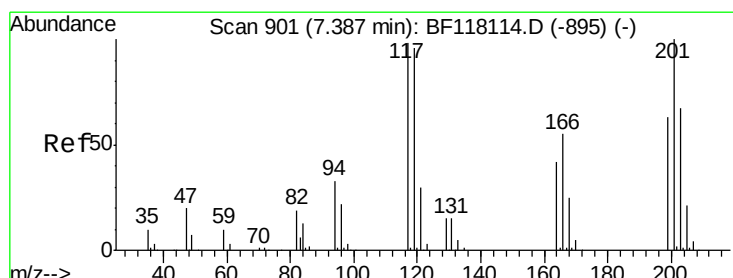
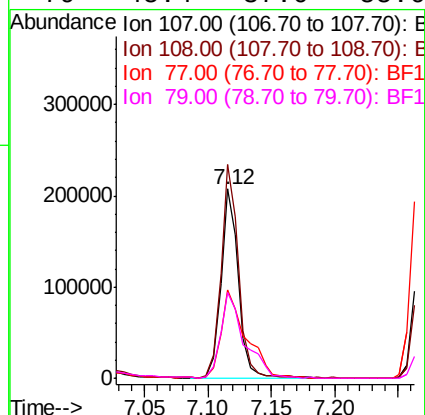
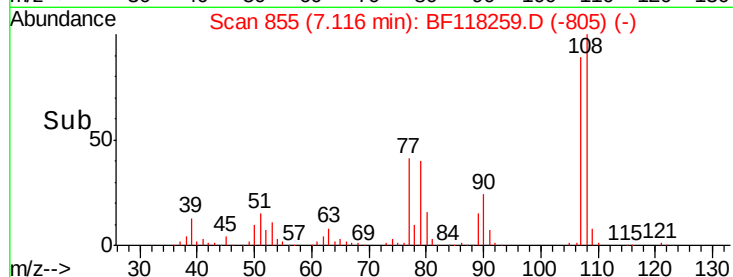
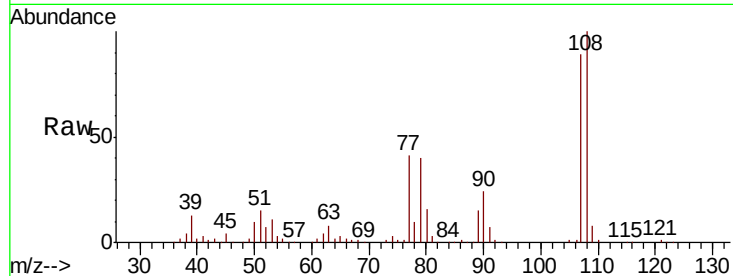
#17
2-Methylphenol
Concen: 37.391 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	91.1	136.7	
77	46.7	37.8	56.6	
79	45.4	37.0	55.6	

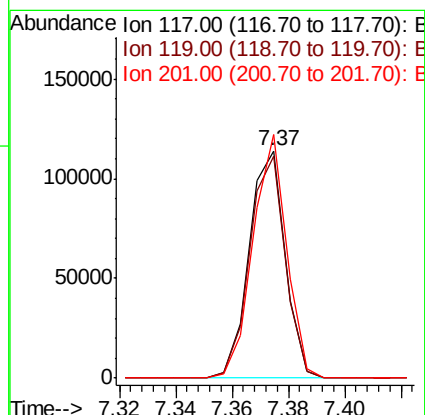
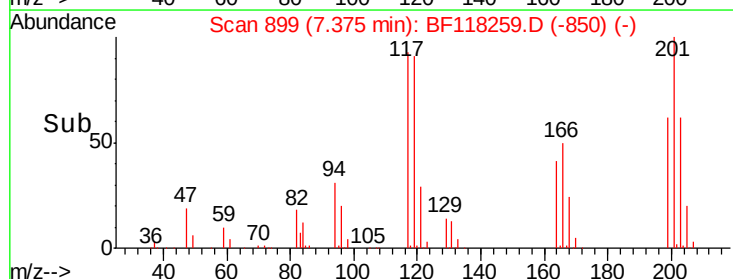
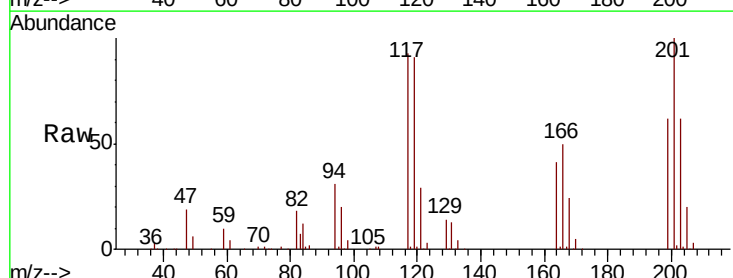
Manual Integrations
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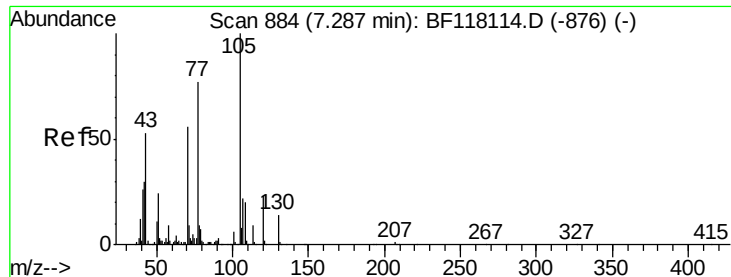
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#18
Hexachloroethane
Concen: 34.808 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.0	78.2	117.4	
201	107.3	81.6	122.4	





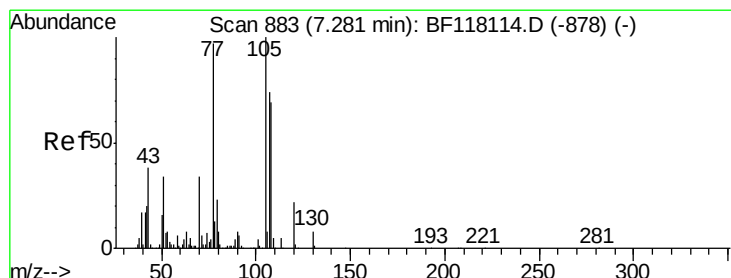
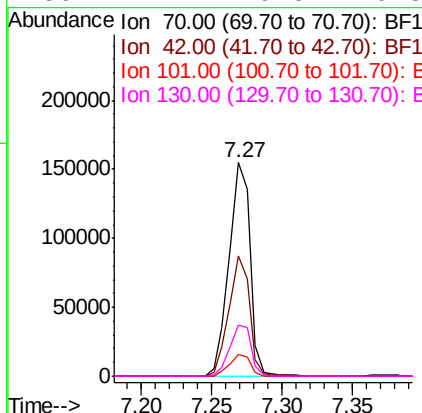
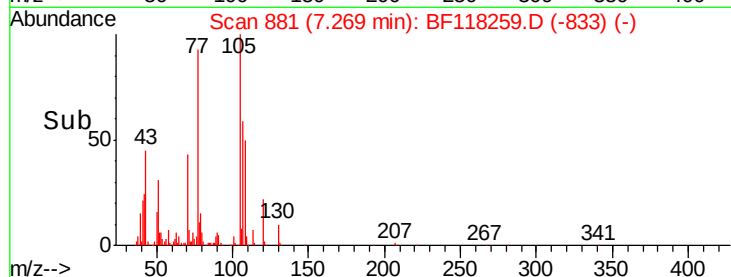
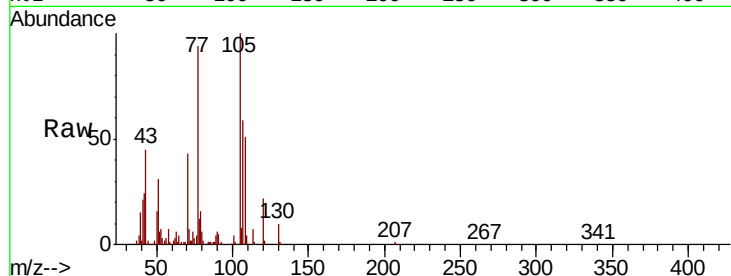
#19
n-Nitroso-di-n-propylamine
Concen: 37.300 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.2	64.8
101	10.4	8.1	12.1
130	24.1	19.8	29.8

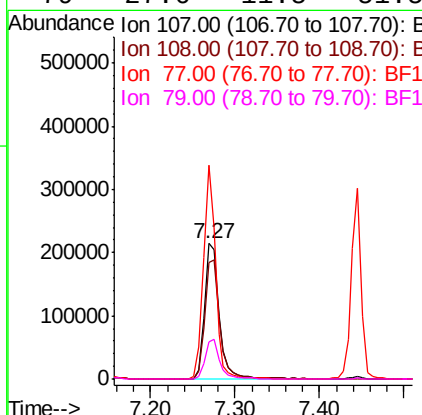
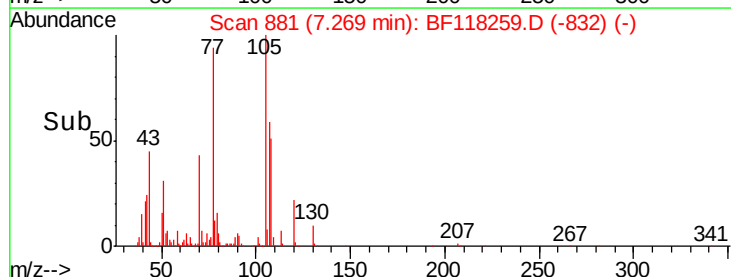
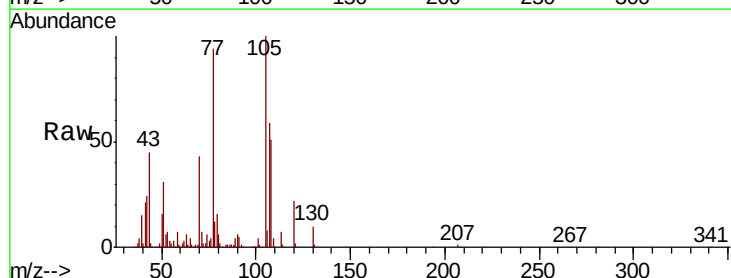
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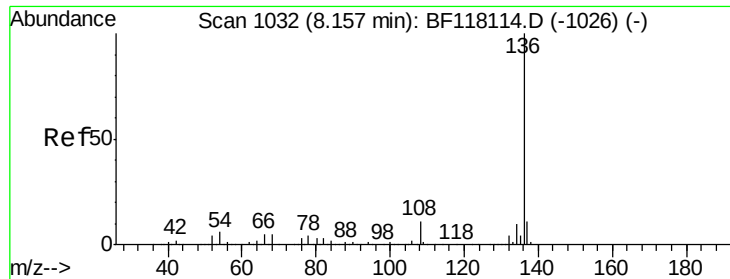
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#20
3+4-Methylphenols
Concen: 38.471 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.8	73.2	113.2
77	157.8	110.9	150.9#
79	27.6	11.5	51.5





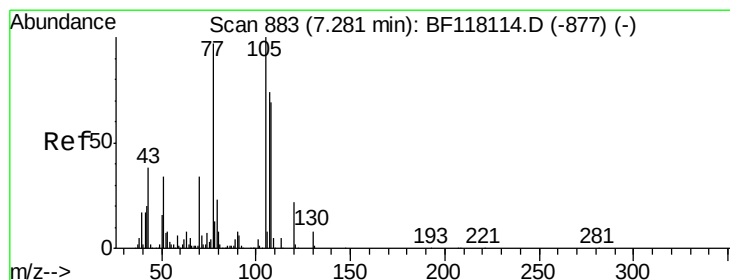
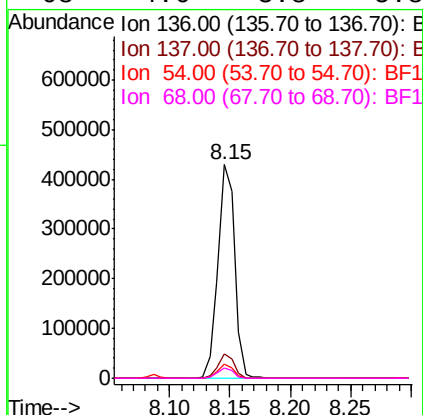
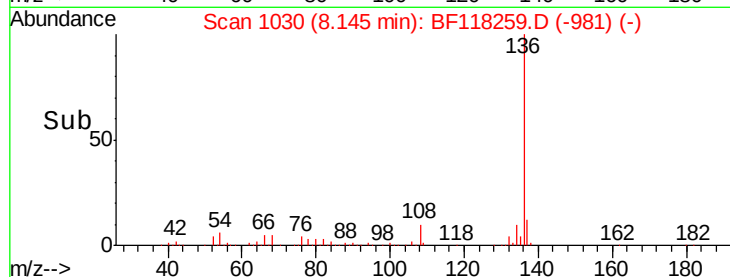
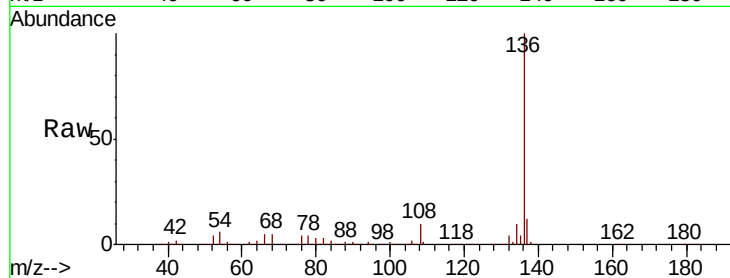
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		407529		
137	11.6		9.0	13.6	
54	6.4		5.0	7.6	
68	4.6		3.8	5.8	

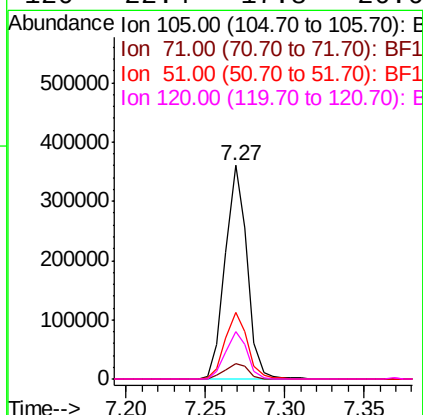
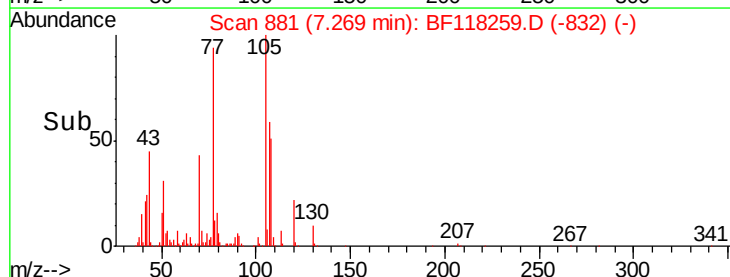
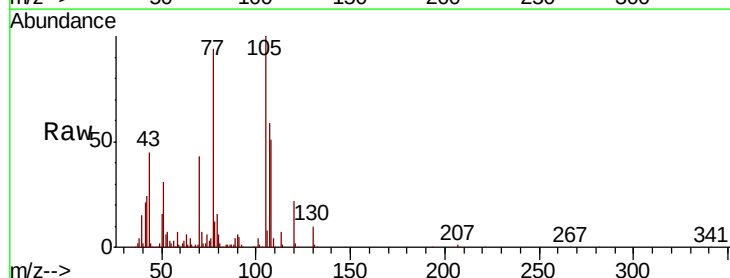
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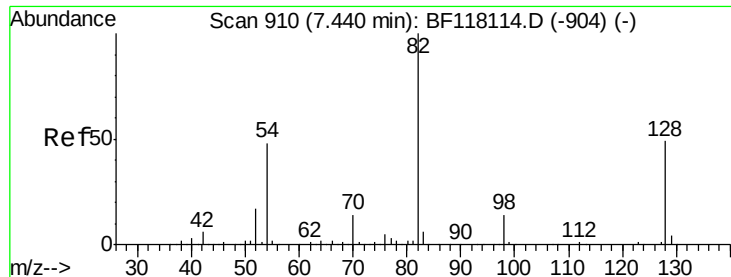
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#22
Acetophenone
Concen: 35.285 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		345466		
71	7.0		4.7	7.1	
51	31.0		27.1	40.7	
120	22.4		17.8	26.6	





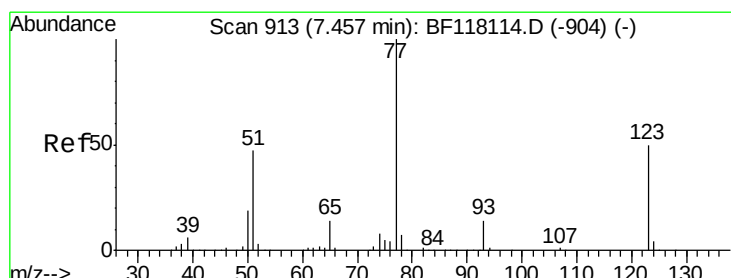
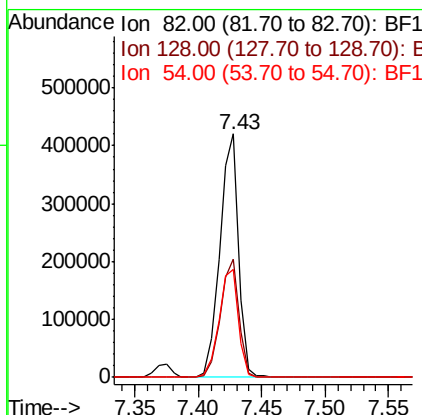
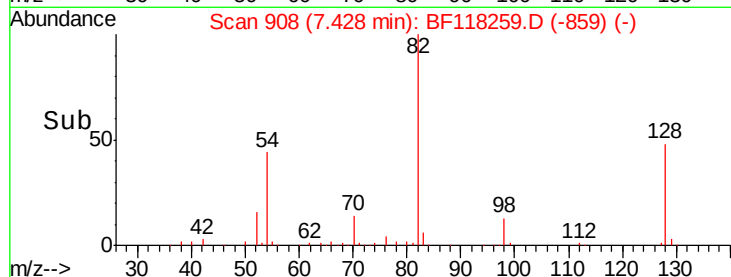
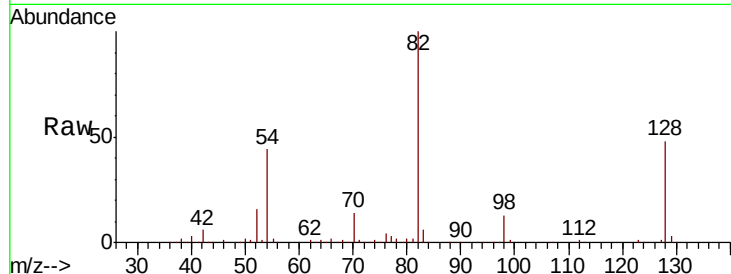
#23
 Nitrobenzene-d5
 Concen: 59.733 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.1	58.7
54	44.4	38.2	57.2

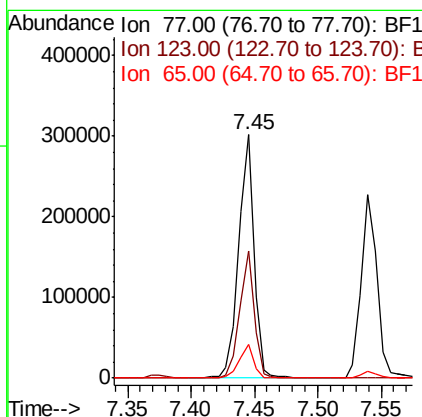
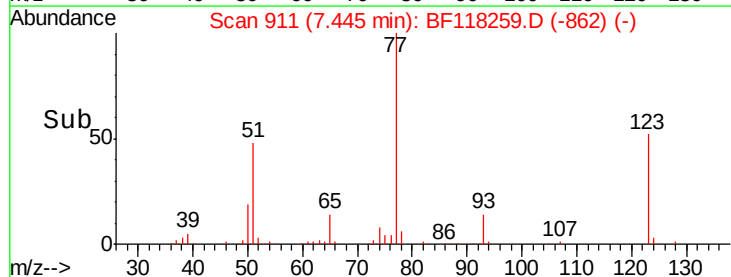
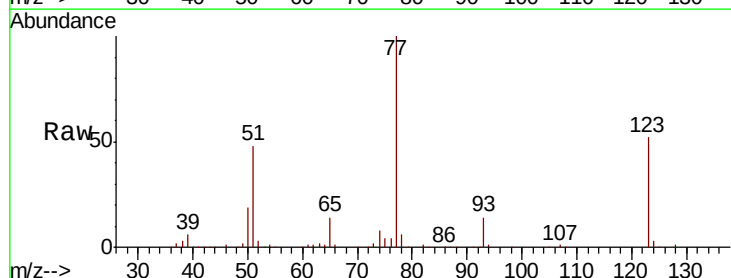
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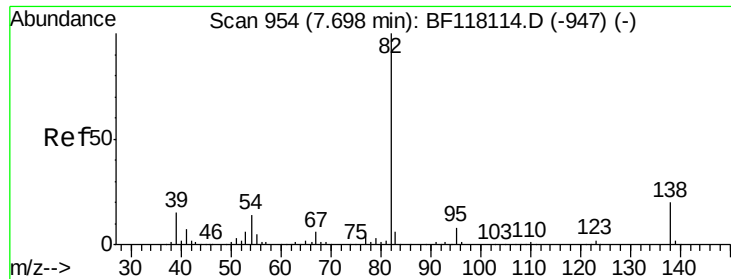
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#24
 Nitrobenzene
 Concen: 34.937 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.0	40.1	60.1
65	13.7	10.9	16.3





#25

Isophorone

Concen: 35.851 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

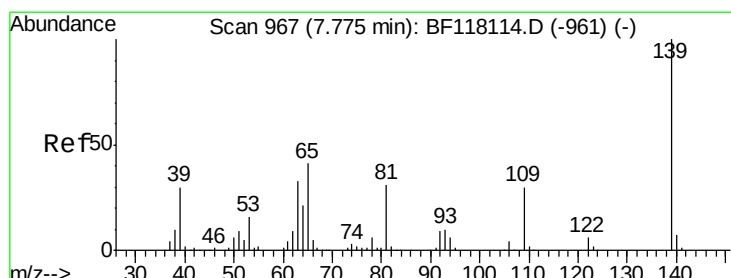
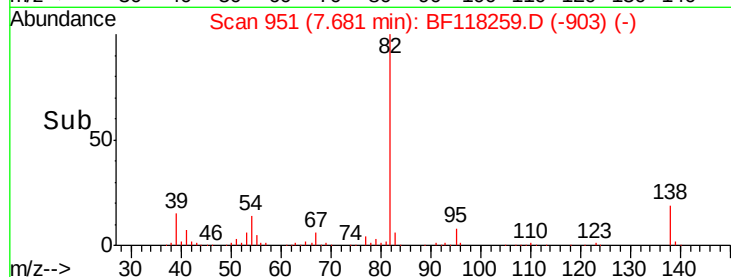
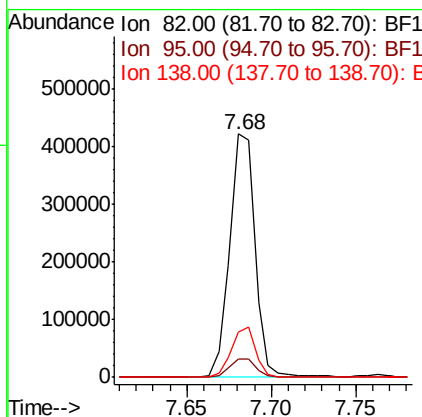
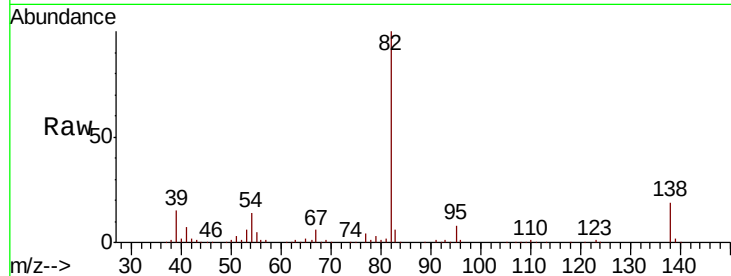
ClientSampleId :

EP-15MSD

Tot Ion:	82	Resp:	440250
Ion Ratio		Lower	Upper
82	100		
95	7.7	6.3	9.5
138	18.7	16.3	24.5

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#26

2-Nitrophenol

Concen: 36.449 ng

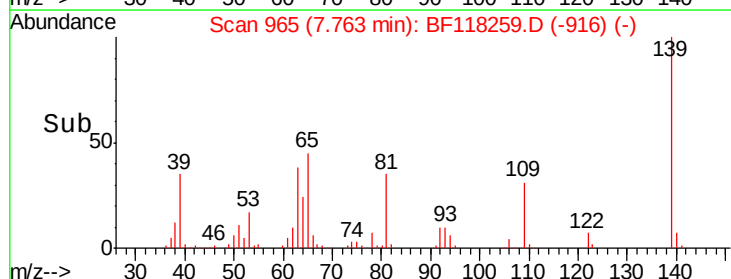
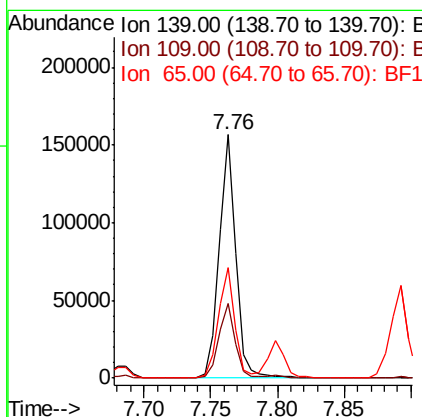
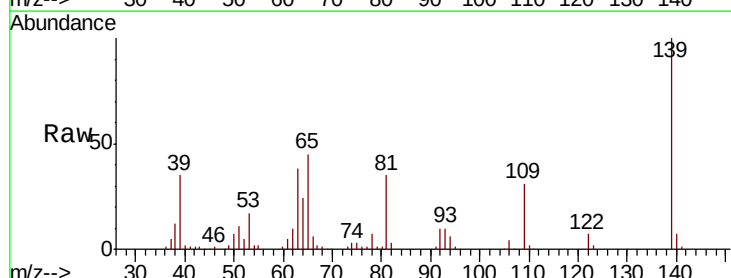
RT: 7.76 min Scan# 965

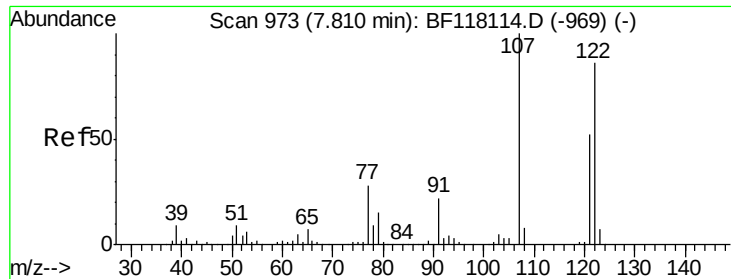
Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Tgt Ion:	139	Resp:	138654
Ion Ratio		Lower	Upper
139	100		
109	30.9	23.9	35.9
65	45.5	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 43.978 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

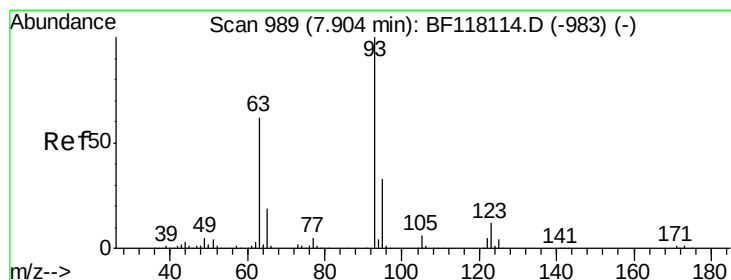
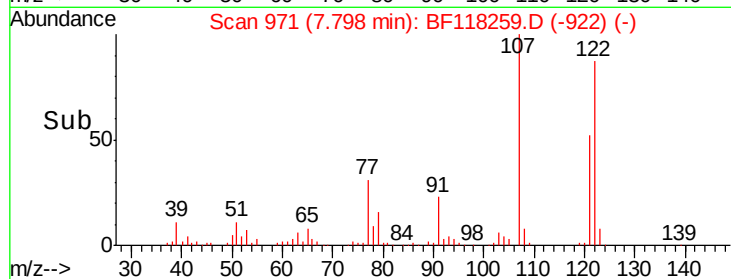
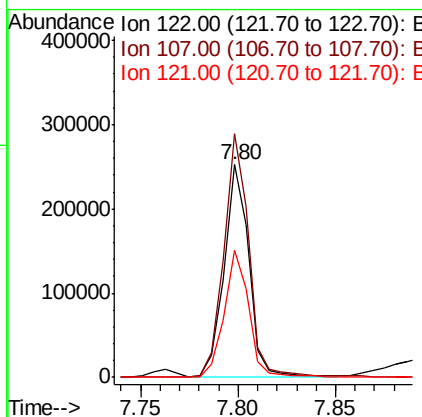
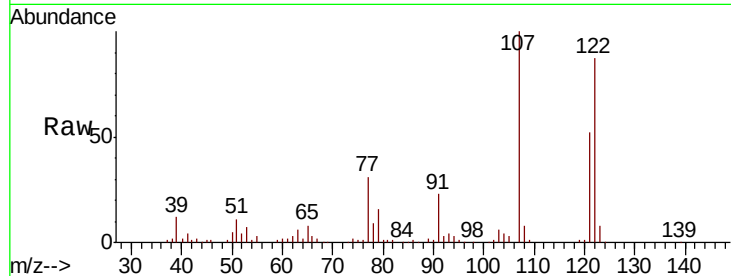
ClientSampleId :

EP-15MSD

Tot Ion:	122	Resp:	223148
Ion Ratio	Lower	Upper	
122	100		
107	114.6	92.9	139.3
121	60.1	48.3	72.5

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#28

bis(2-Chloroethoxy)methane

Concen: 34.507 ng

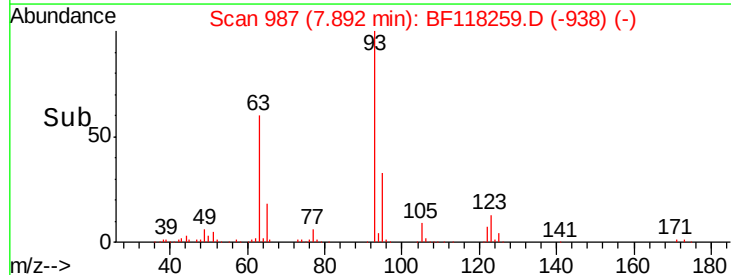
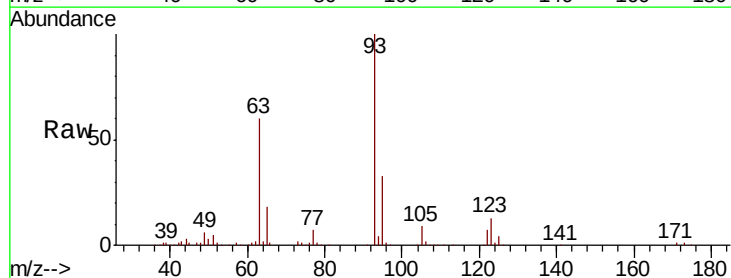
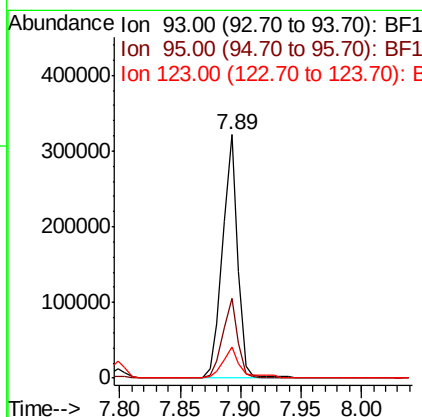
RT: 7.89 min Scan# 987

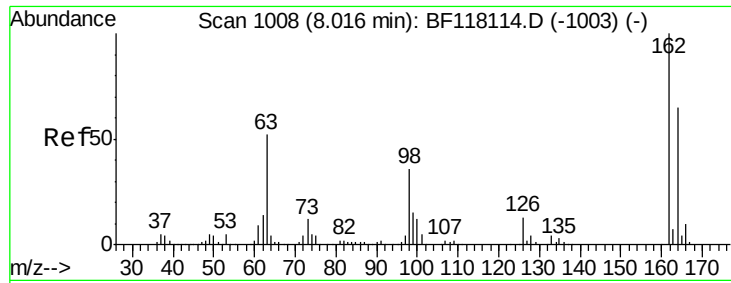
Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Tgt Ion:	93	Resp:	276892
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.7	40.1
123	12.6	10.0	15.0





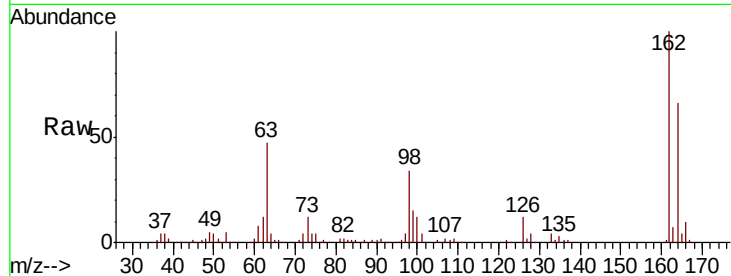
#29
2,4-Dichlorophenol
Concen: 36.450 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampled :
EP-15MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.8	45.2	85.2
98	33.7	15.9	55.9

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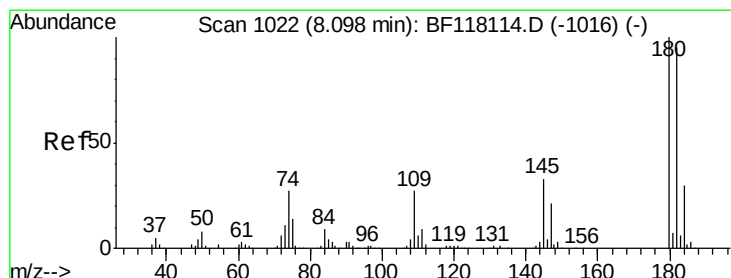
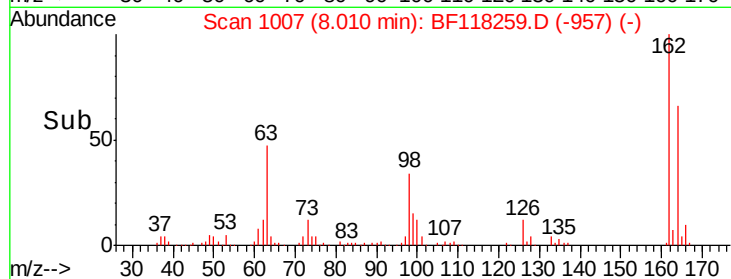
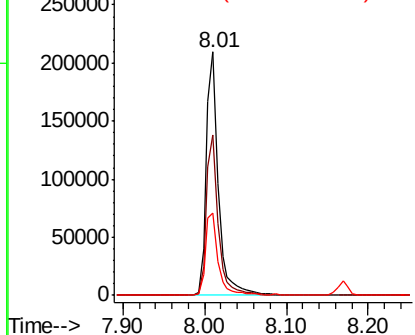


Abundance

Ion 162.00 (161.70 to 162.70): E

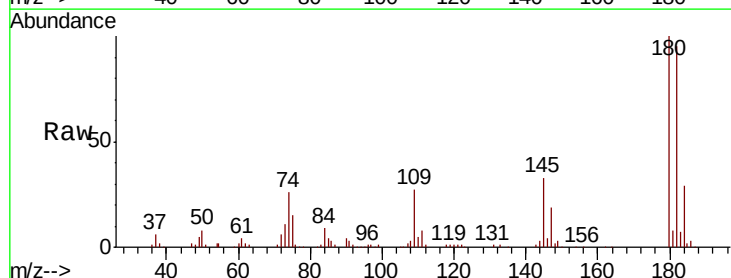
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 33.937 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.7	76.1	114.1
145	33.0	26.1	39.1

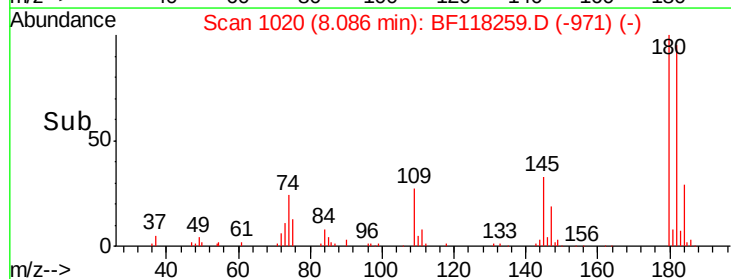
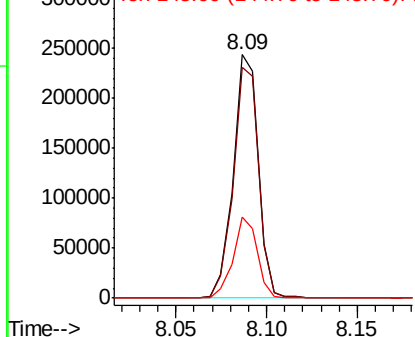


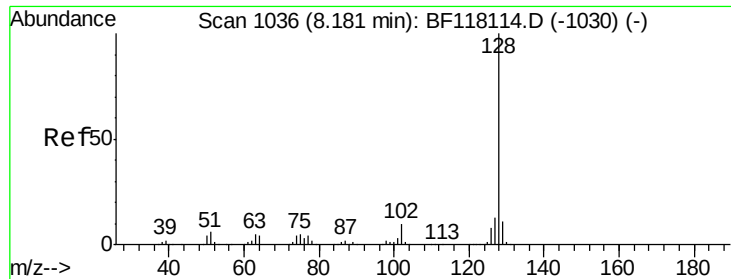
Abundance

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





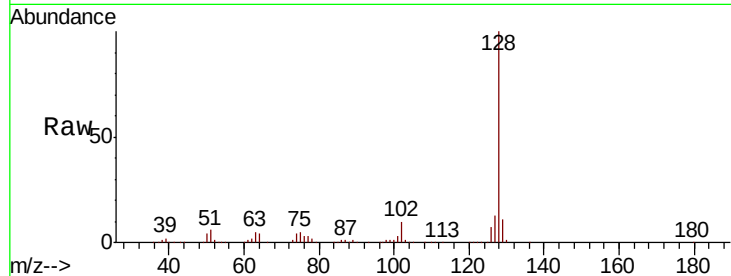
#31
Naphthalene
Concen: 36.056 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	737951		
129	11.5		9.1	13.7
127	13.5		10.6	16.0

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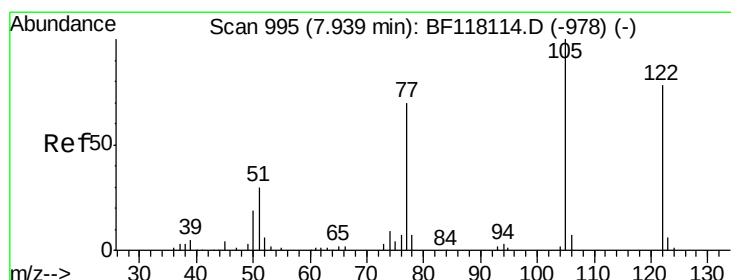
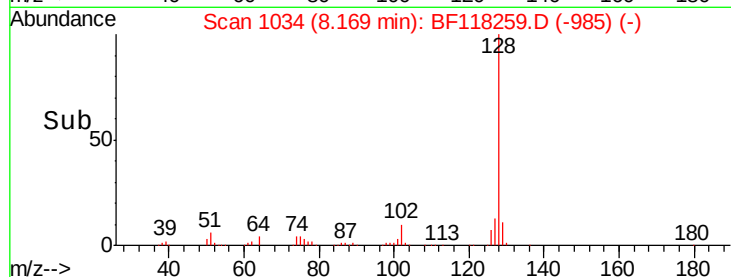
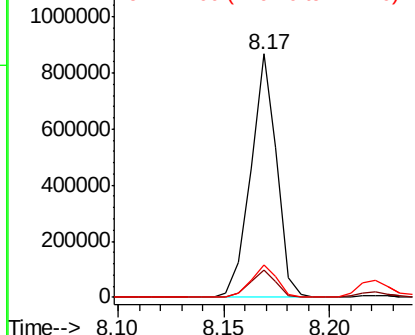


Abundance

Ion 128.00 (127.70 to 128.70): E

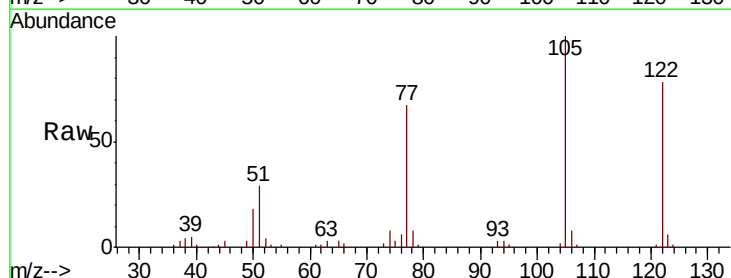
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 29.135 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	133480		
105	127.5		104.7	144.7
77	86.0		69.1	109.1

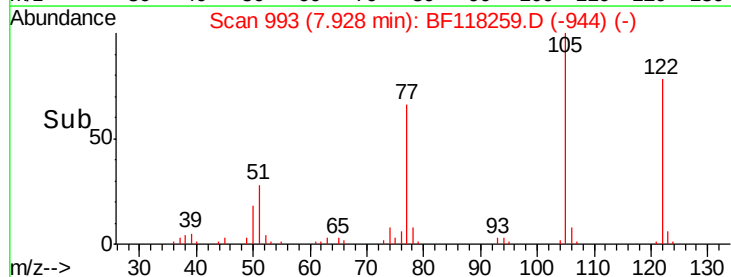
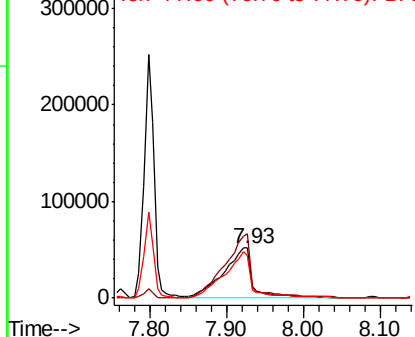


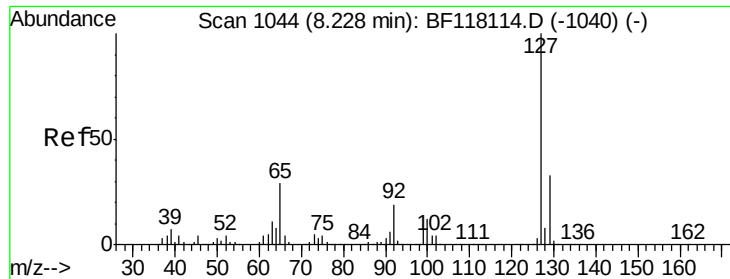
Abundance

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





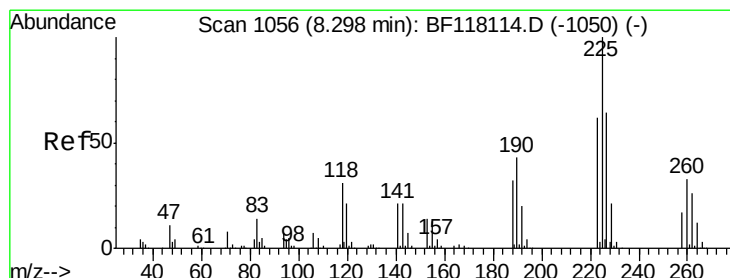
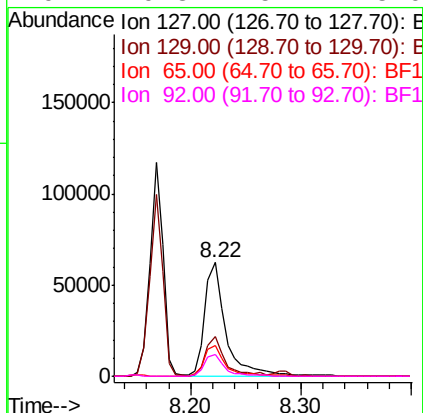
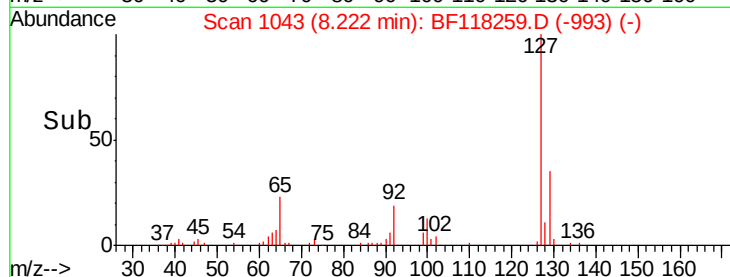
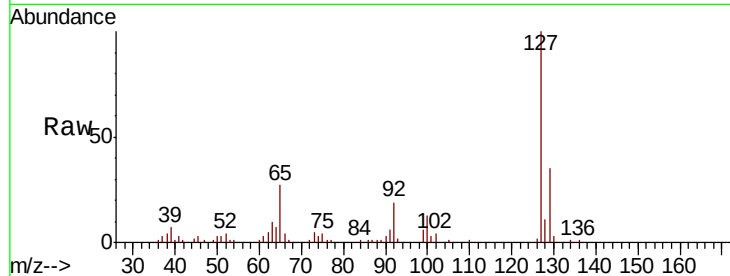
#33
4-Chloroaniline
Concen: 9.199 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		81291		
129	34.7	26.6	40.0		
65	27.0	23.2	34.8		
92	19.3	15.4	23.0		

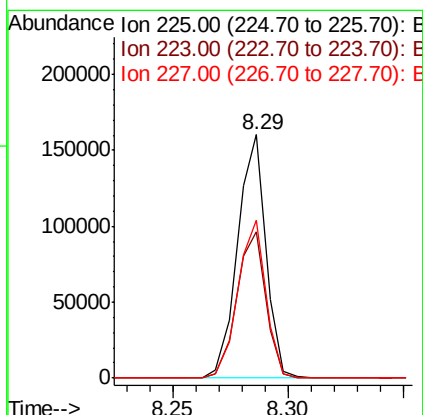
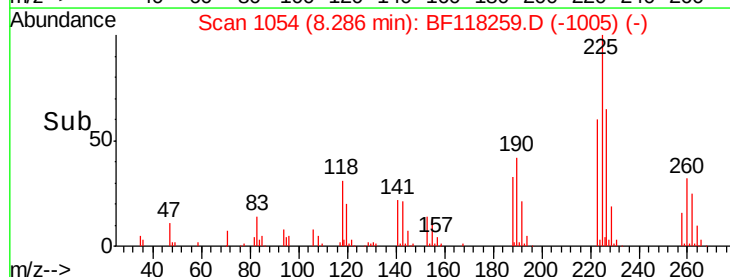
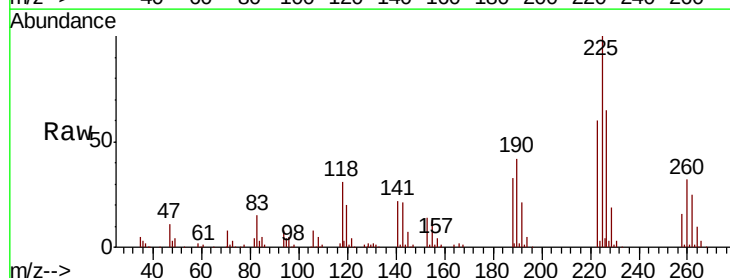
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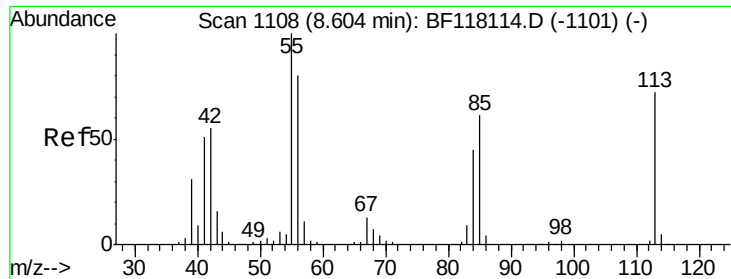
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#34
Hexachlorobutadiene
Concen: 33.098 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		137203		
223	60.3	49.6	74.4		
227	64.6	51.0	76.6		





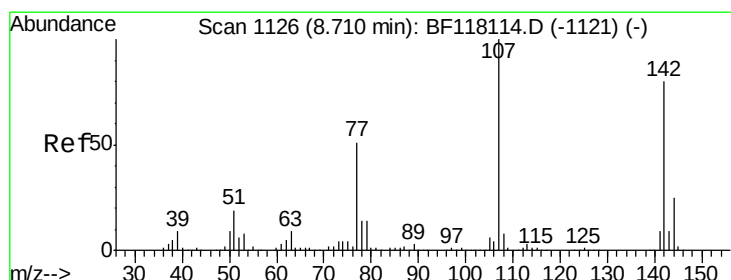
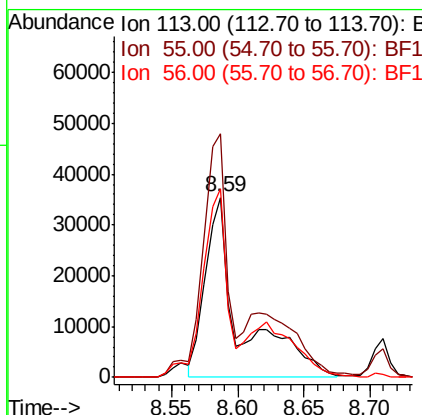
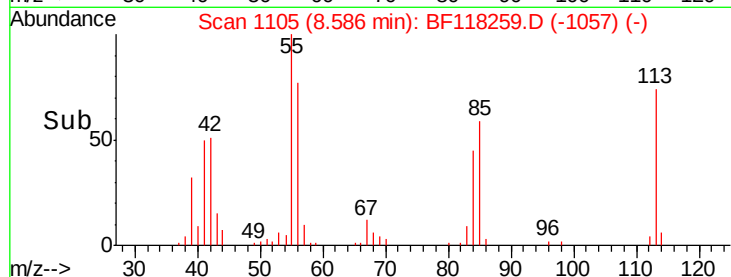
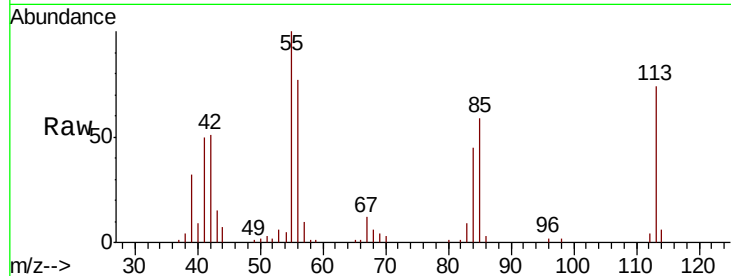
#35
Caprolactam
Concen: 35.645 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. -0.02 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	135.1	118.9	158.9
56	104.7	91.4	131.4

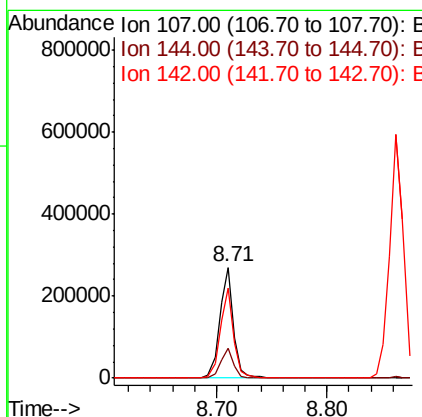
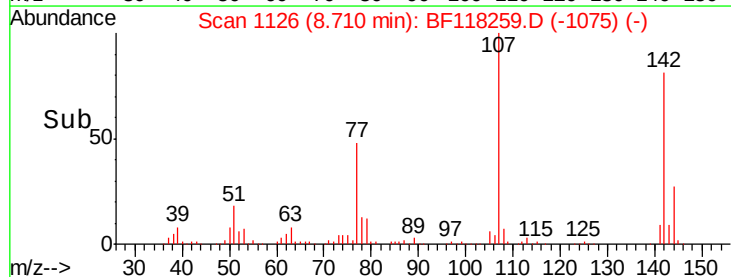
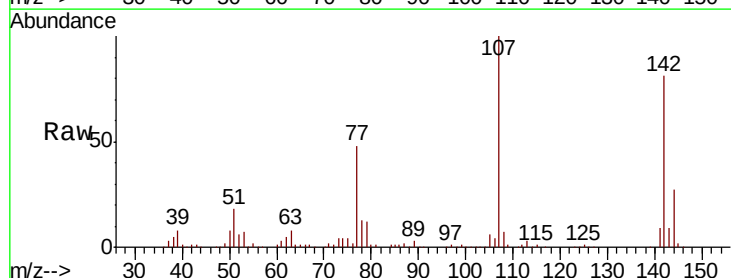
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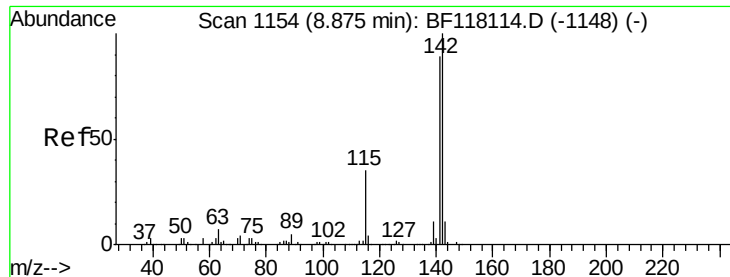
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#36
4-Chloro-3-methylphenol
Concen: 37.097 ng/ml
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.2	20.3	30.5
142	81.3	63.7	95.5





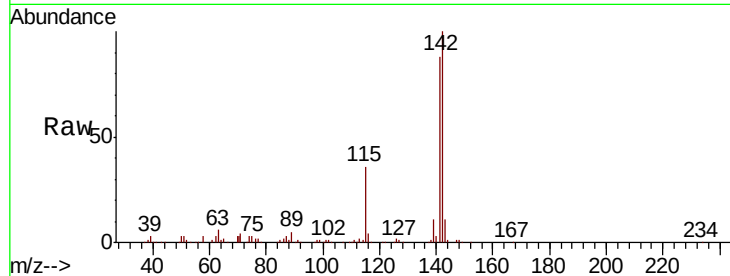
#37
2-Methylnaphthalene
Concen: 37.055 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.4	107.0
115	35.7	28.2	42.4

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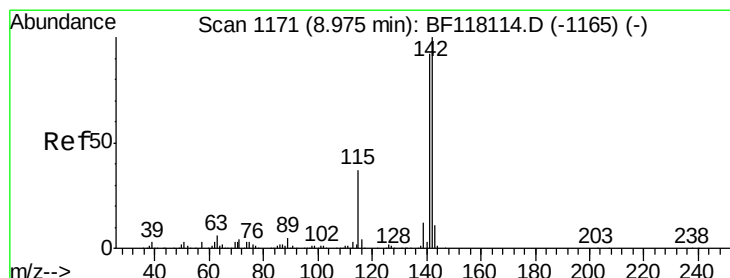
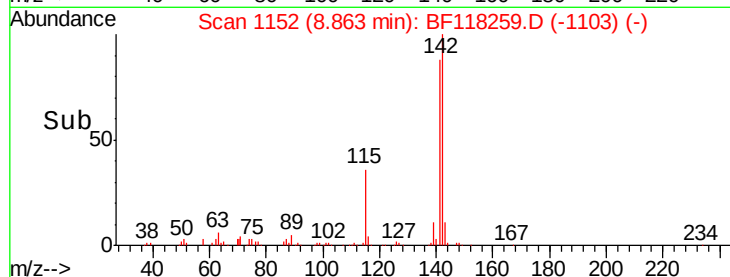
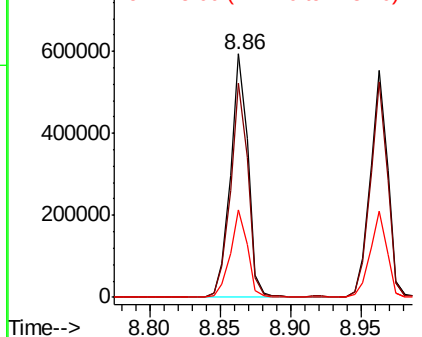


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 36.411 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

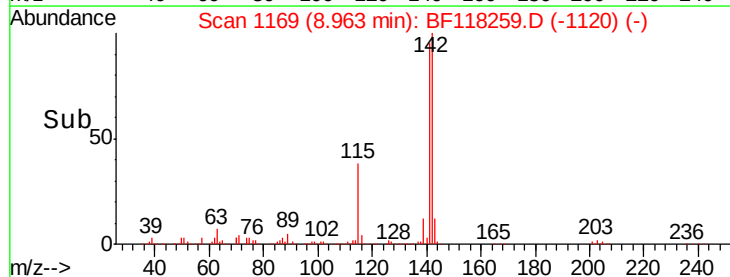
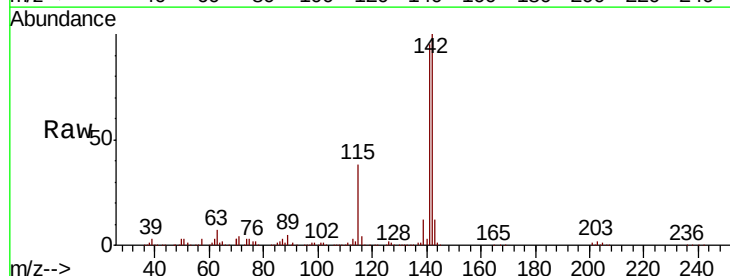
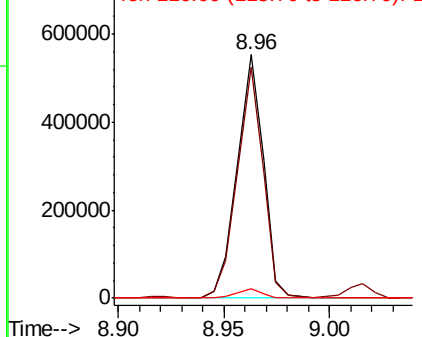
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.9	74.0	111.0
116	4.1	3.2	4.8

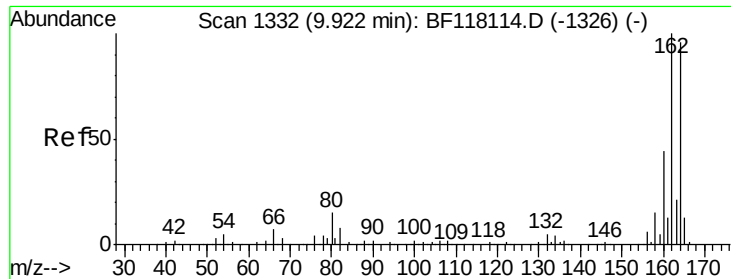
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





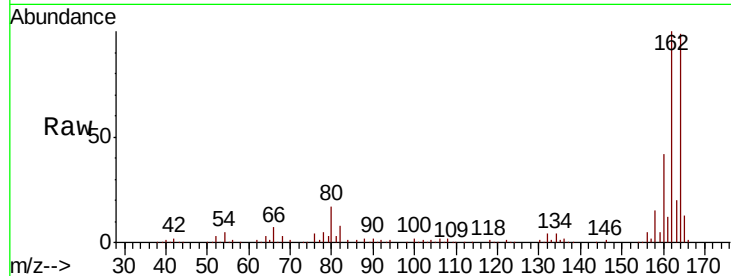
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	219519		
162	101.4	83.4	125.0	
160	43.0	36.6	54.8	

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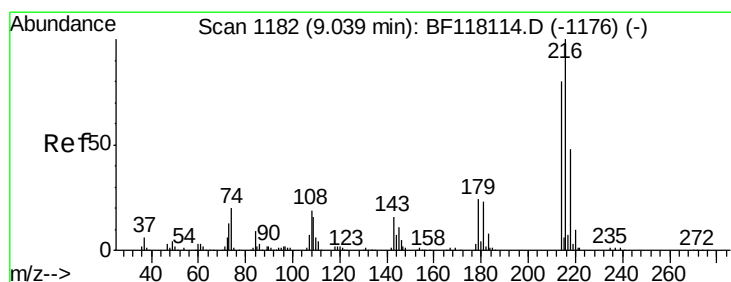
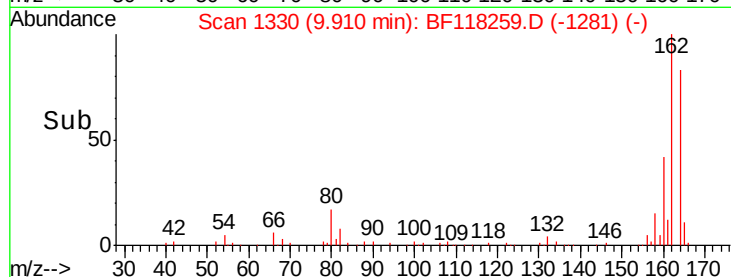
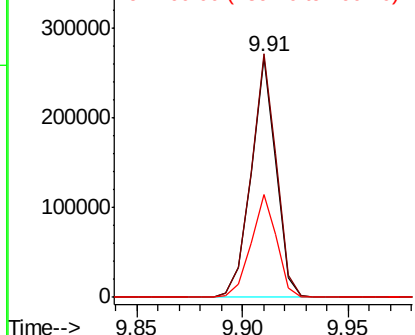


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.238 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	227681		
214	79.9	63.4	95.2	
179	23.0	18.6	27.8	
108	20.7	15.4	23.0	

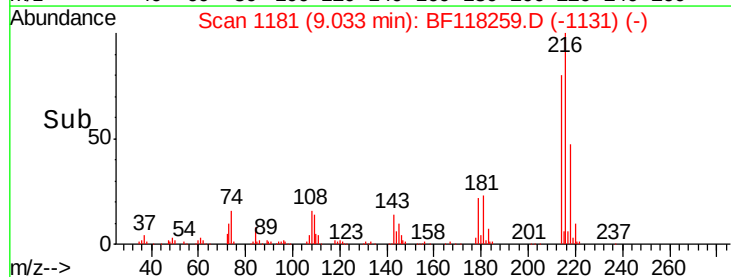
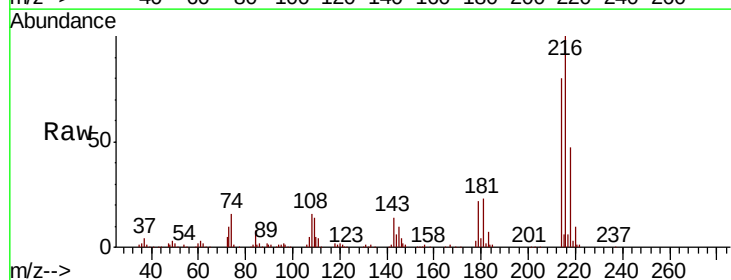
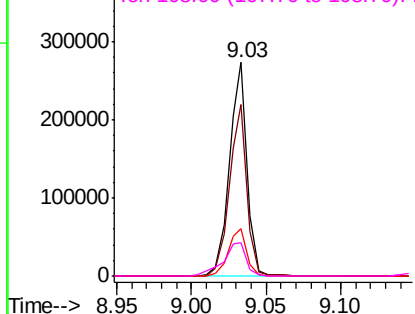
Abundance

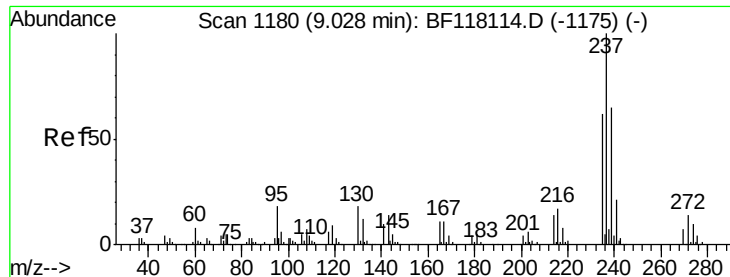
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 71.043 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

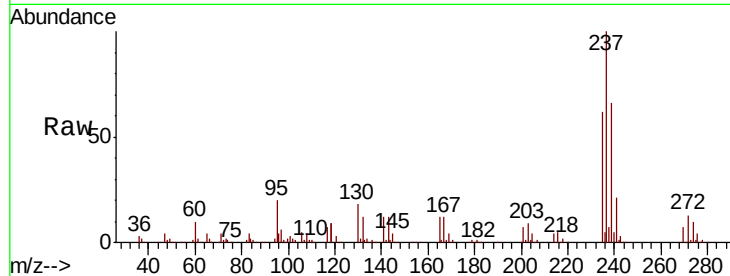
ClientSampleId :

EP-15MSD

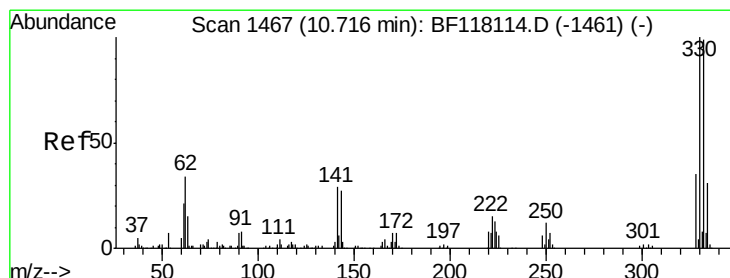
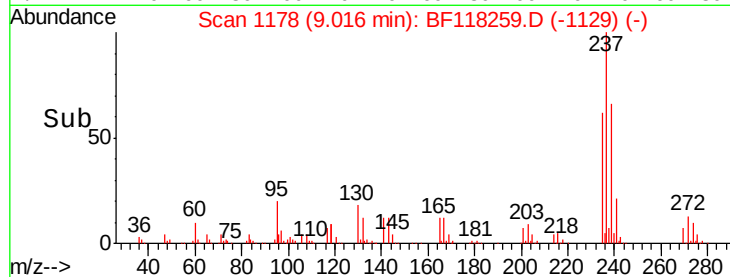
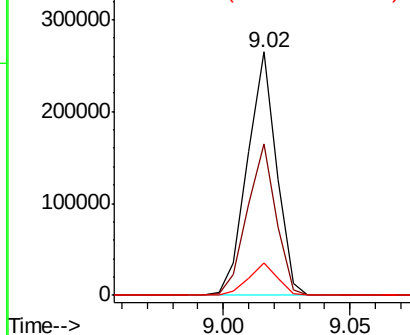
Tot Ion:	237	Resp:	211676
Ion Ratio	Lower	Upper	
237	100		
235	62.1	41.5	81.5
272	13.1	0.0	33.7

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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: 96.617 ng

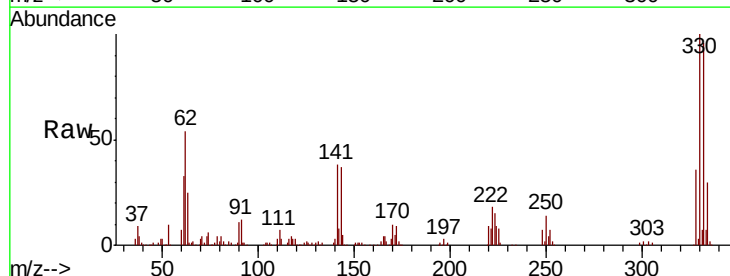
RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

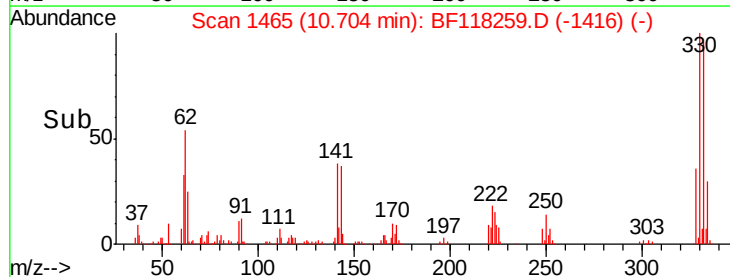
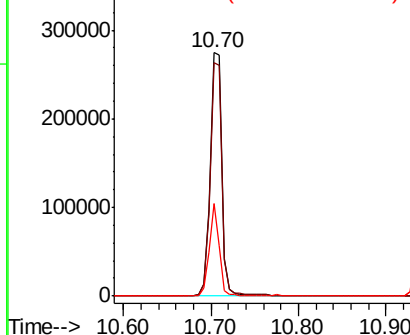
Lab File: BF118259.D

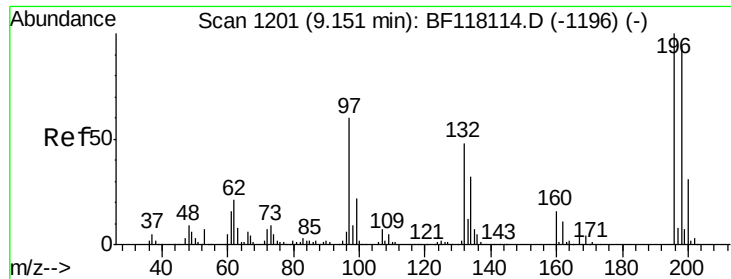
Acq: 18 Dec 2019 15:20

Tgt Ion:	330	Resp:	257655
Ion Ratio	Lower	Upper	
330	100		
332	95.2	78.1	117.1
141	31.8	26.9	40.3



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





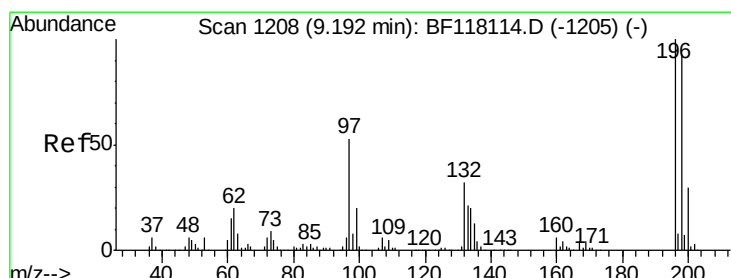
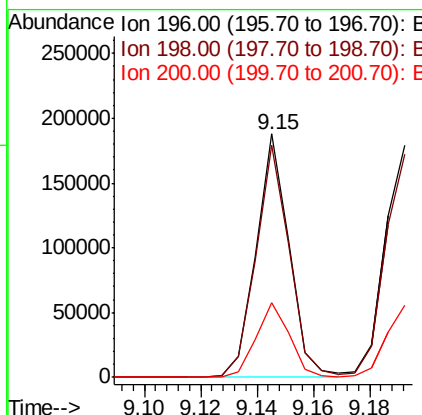
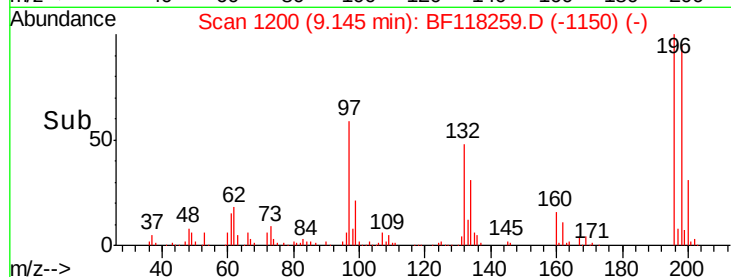
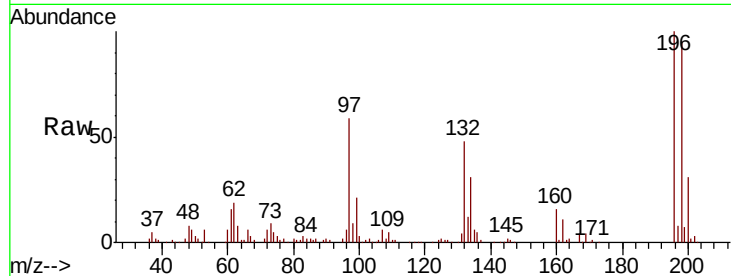
#43
 2,4,6-Trichlorophenol
 Concen: 34.386 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleID :
 EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	152677		
198	95.3	75.0	112.4	
200	30.9	24.5	36.7	

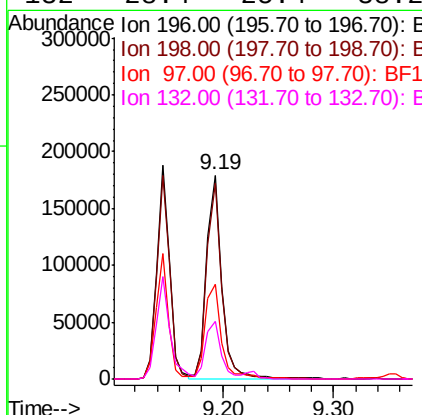
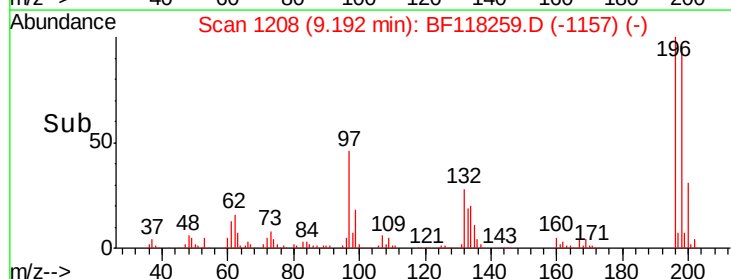
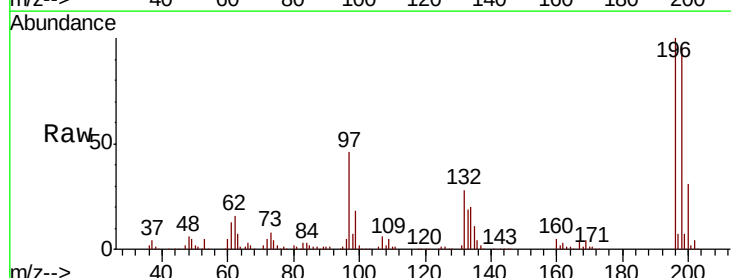
Manual Integrations
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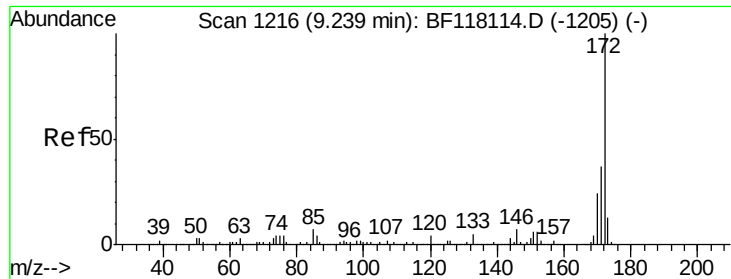
mohammad
 12/19/2019 11:16:46 AM



#44
 2,4,5-Trichlorophenol
 Concen: 36.059 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	165877		
198	96.0	74.2	111.4	
97	46.4	42.5	63.7	
132	28.4	25.4	38.2	





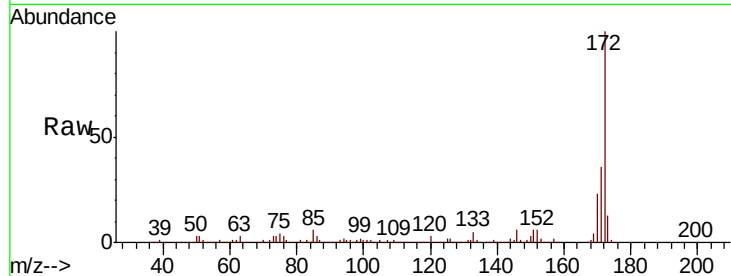
#45
2-Fluorobiphenyl
Concen: 63.572 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.2	43.8	
170	23.5	19.4	29.2	

Manual Integrations
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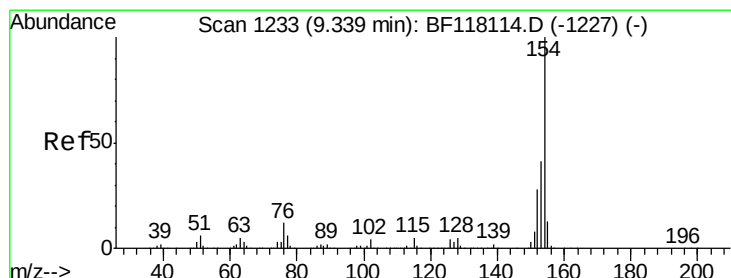
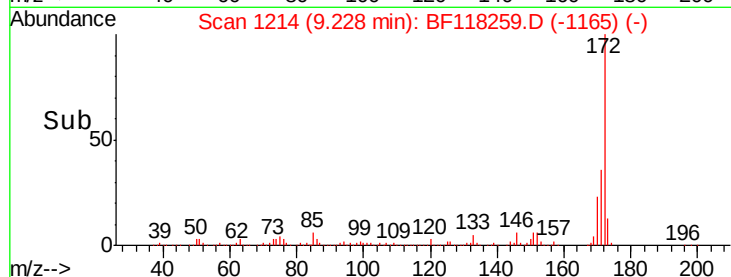
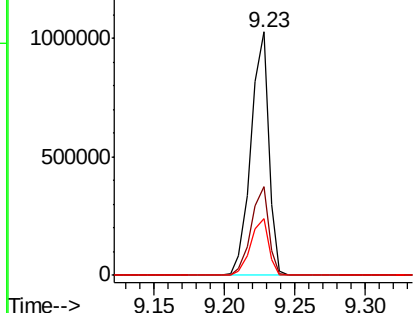


Abundance

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: 35.997 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

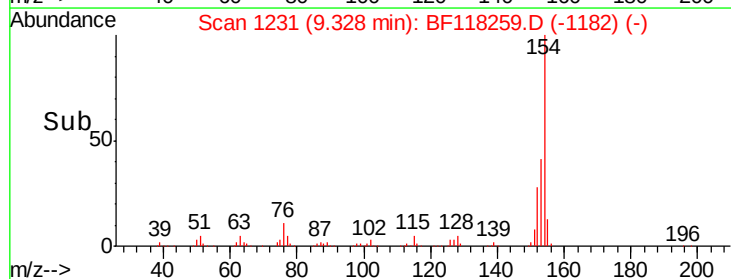
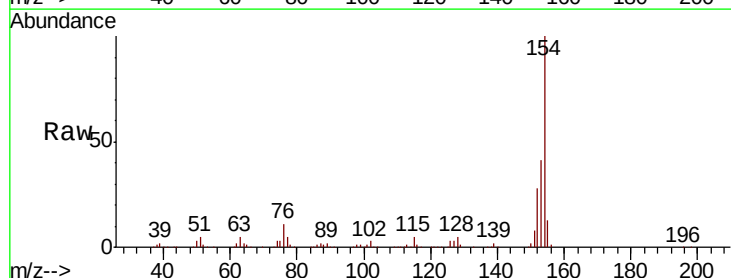
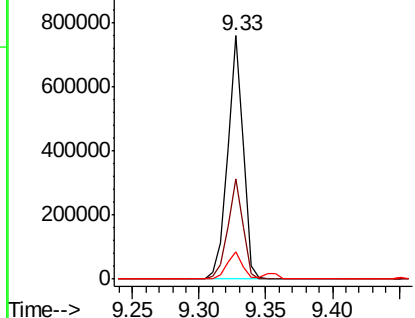
Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.0	20.7	60.7	
76	11.3	0.0	31.9	

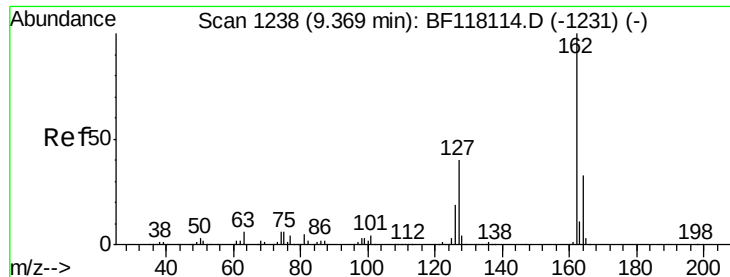
Abundance

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





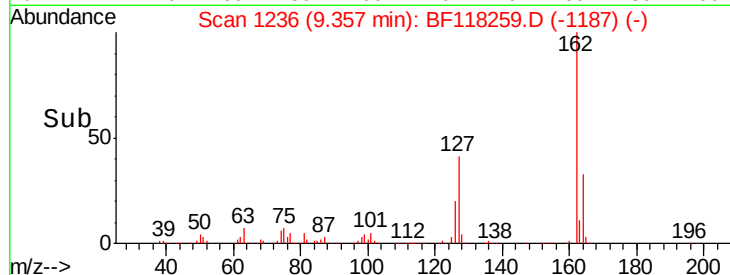
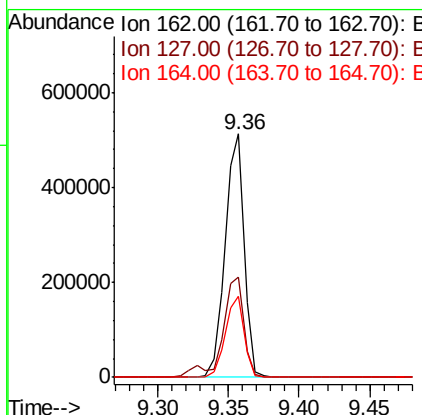
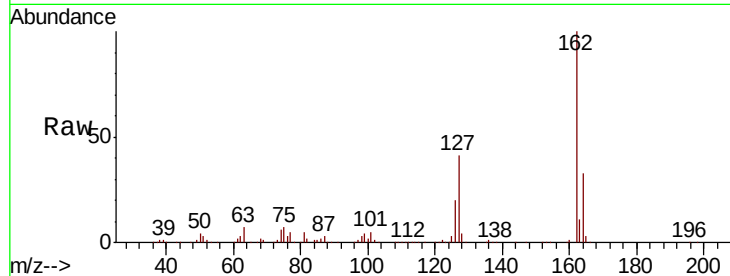
#47
 2-Chloronaphthalene
 Concen: 34.391 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.4	32.0	48.0	
164	33.4	26.1	39.1	

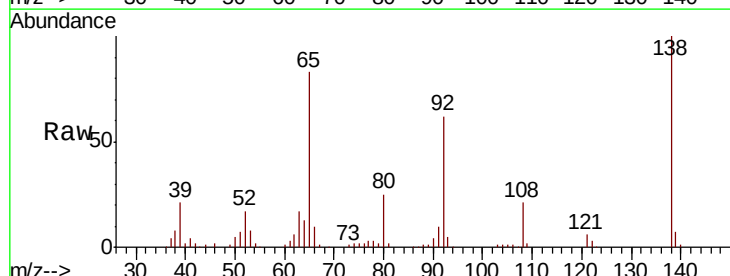
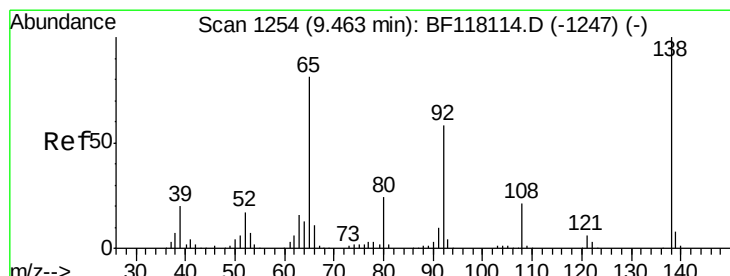
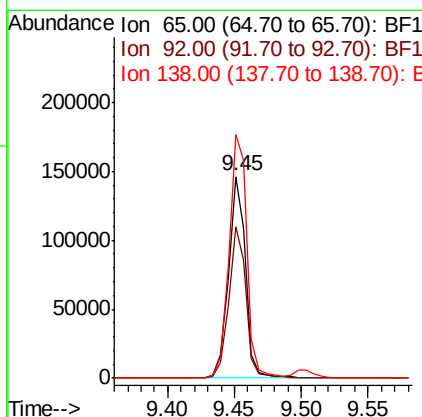
Manual Integrations
 APPROVED

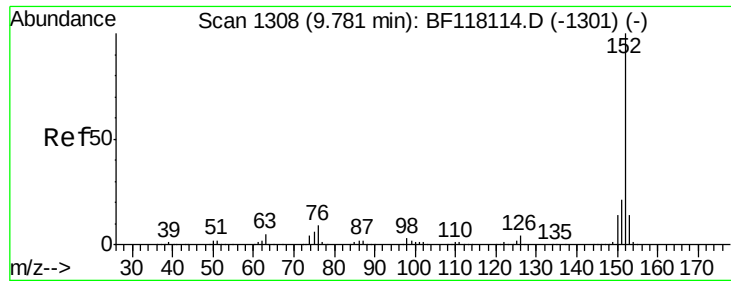
mohammad
 12/19/2019 11:16:46 AM



#48
 2-Nitroaniline
 Concen: 33.262 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	75.2	57.8	86.6	
138	120.9	98.8	148.2	





#49

Acenaphthylene

Concen: 37.984 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

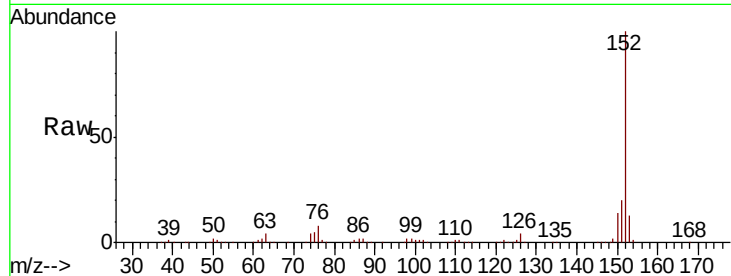
ClientSampleId :

EP-15MSD

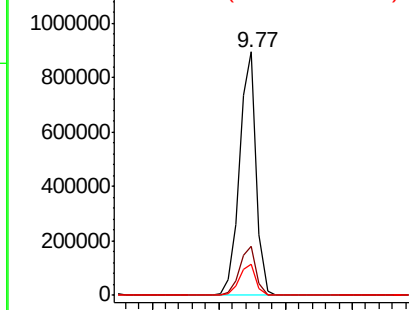
Tot Ion:	152	Resp:	780241
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.4	24.6
153	12.8	10.8	16.2

Manual Integrations
APPROVED

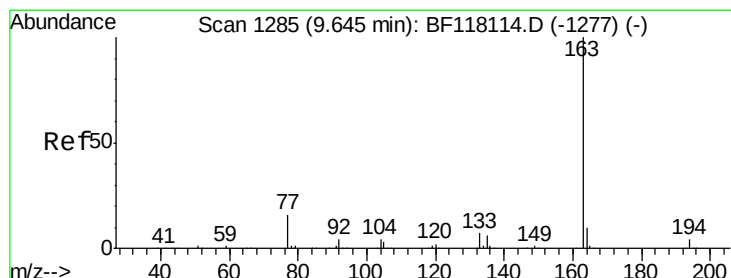
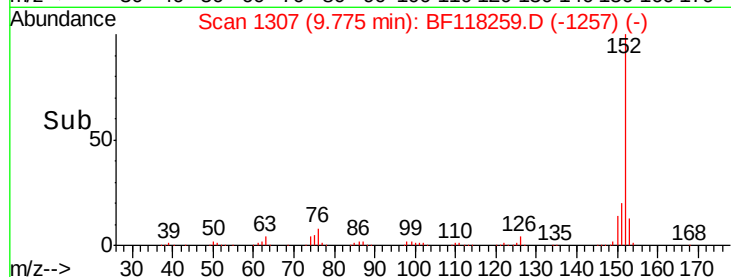
mohammad
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#50

Dimethylphthalate

Concen: 37.840 ng

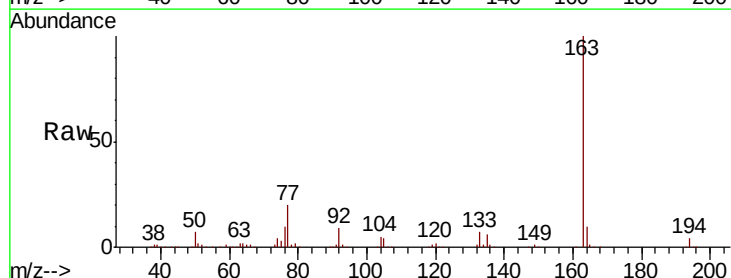
RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

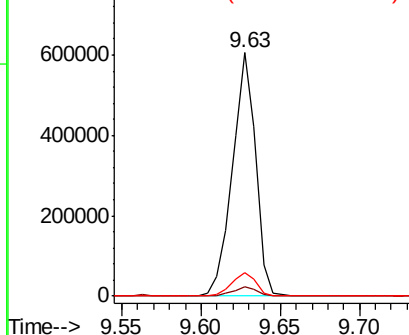
Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

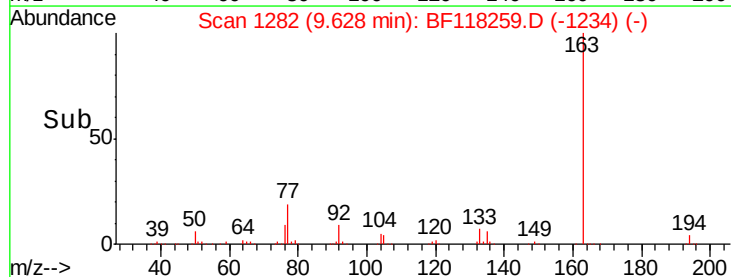
Tgt Ion:	163	Resp:	613556
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.9	7.7	11.5

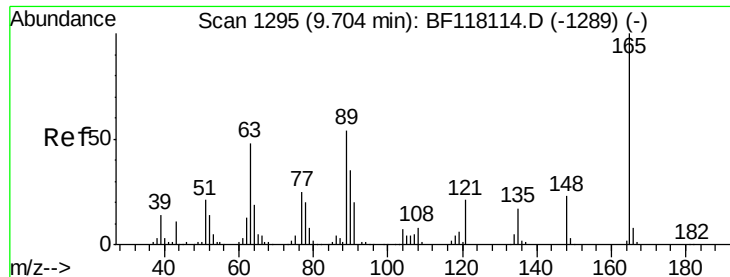


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->





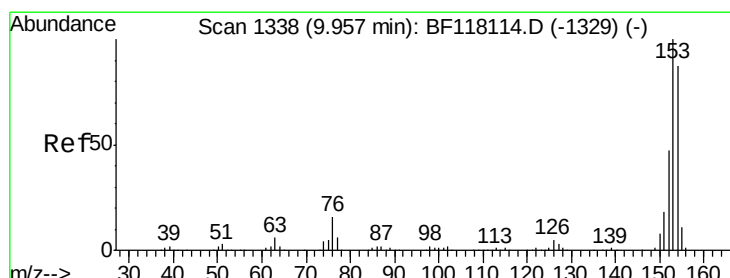
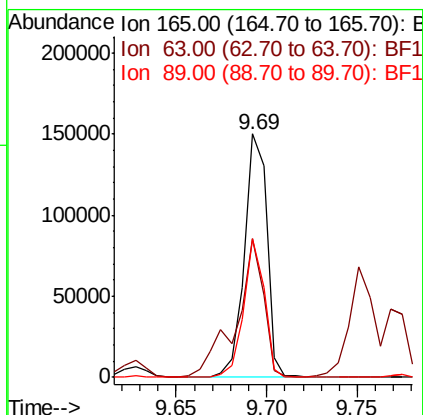
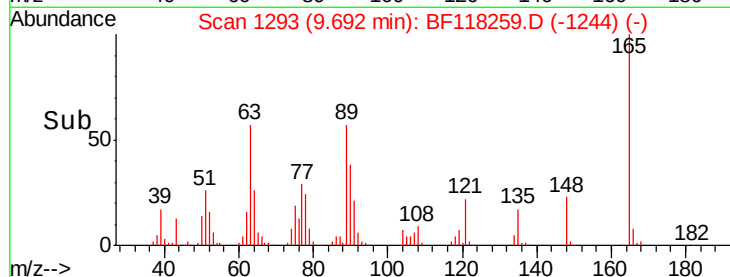
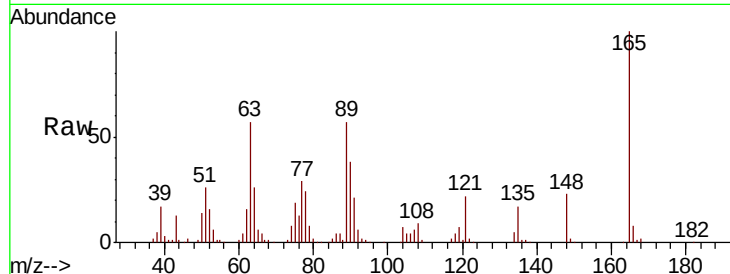
#51
2,6-Dinitrotoluene
Concen: 36.615 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	129096		
63	57.1	41.4	62.0	
89	56.9	42.9	64.3	

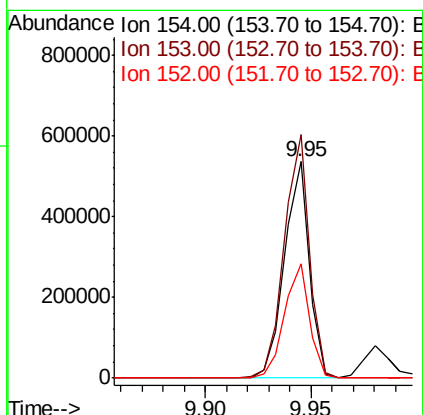
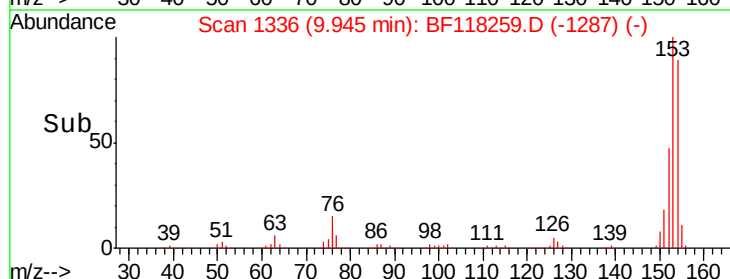
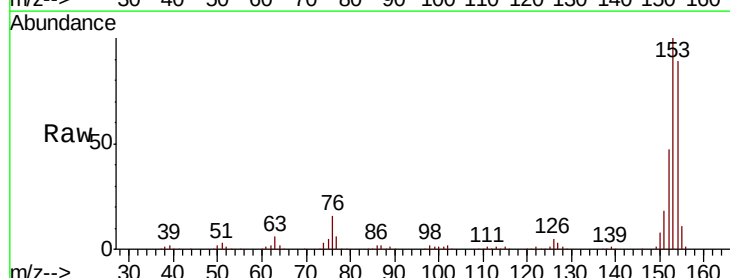
Manual Integrations
APPROVED

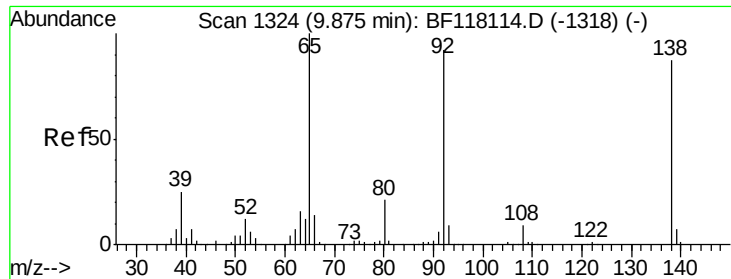
mohammad
12/19/2019 11:16:46 AM



#52
Acenaphthene
Concen: 35.213 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	441491		
153	112.5	91.8	137.6	
152	52.7	43.3	64.9	





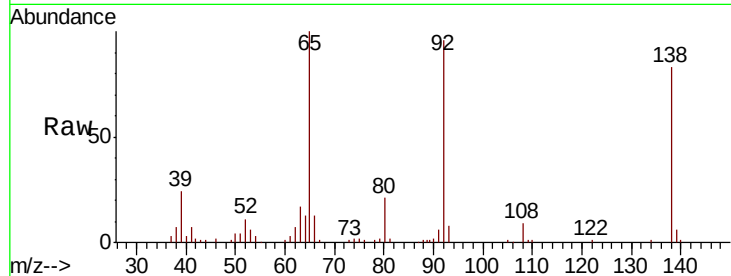
#53
 3-Nitroaniline
 Concen: 14.430 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleID :
 EP-15MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.2	12.4
92	115.1	84.9	127.3

Manual Integrations
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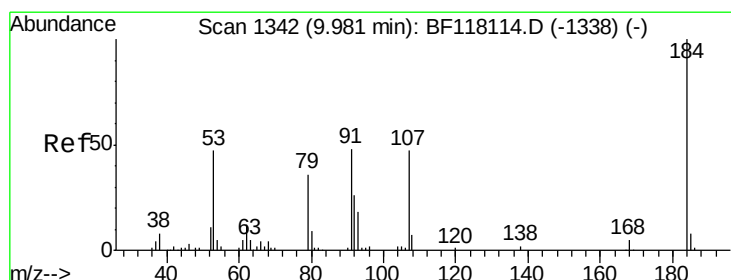
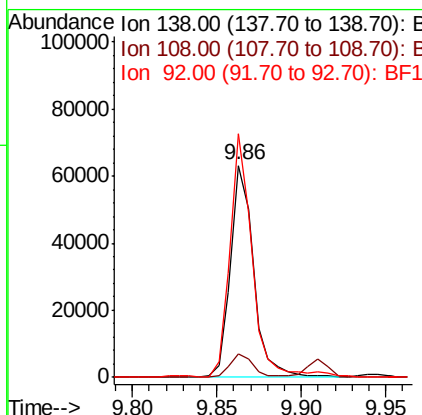
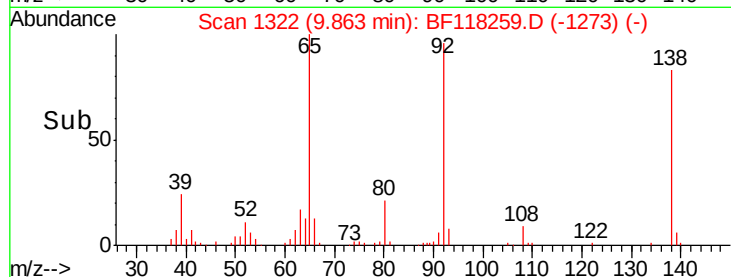


Abundance

Ion 138.00 (137.70 to 138.70): E

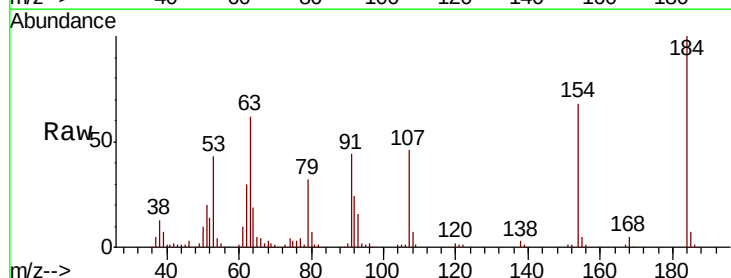
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 64.591 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	53.9	80.9
154	68.1	56.3	84.5

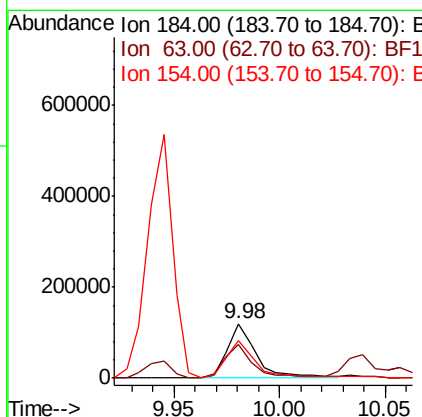
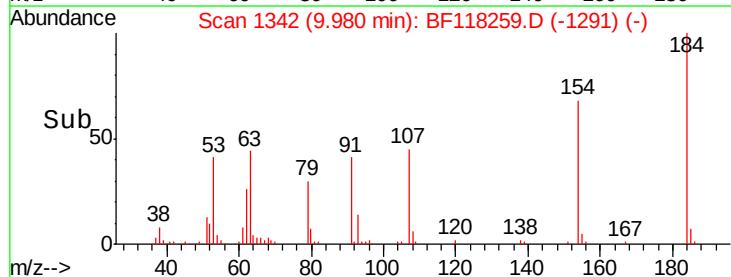


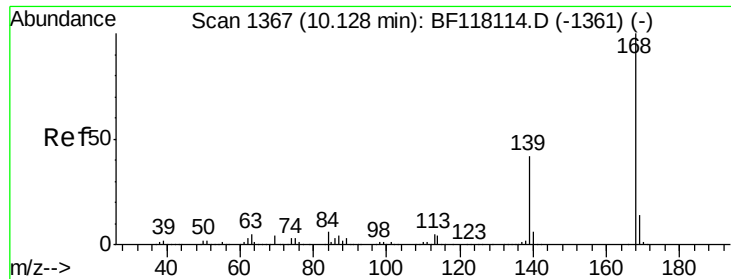
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





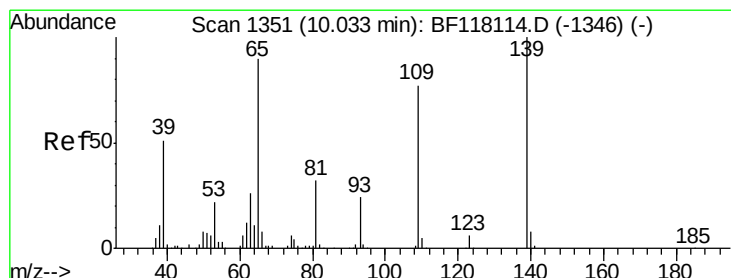
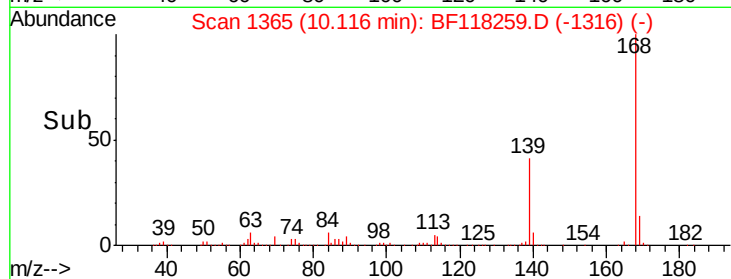
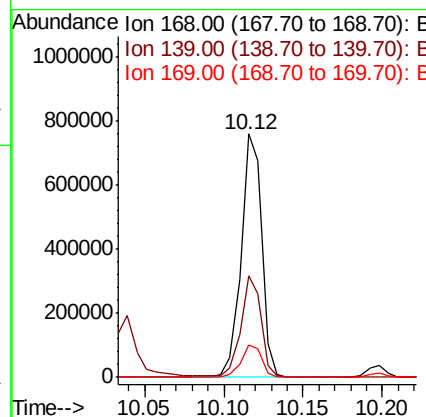
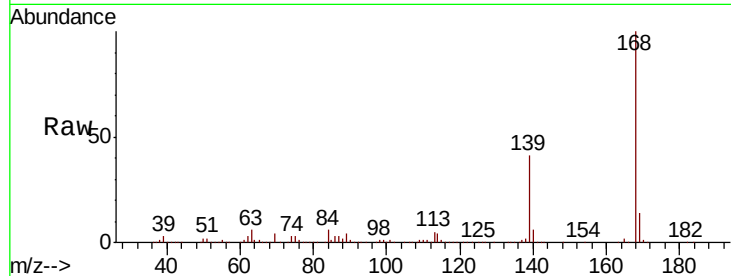
#55
Dibenzofuran
Concen: 37.149 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.5	33.4	50.0
169	13.6	11.0	16.6

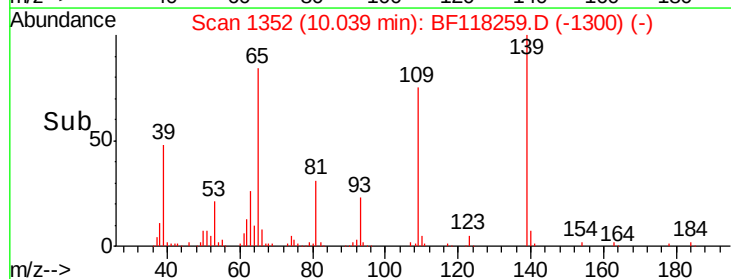
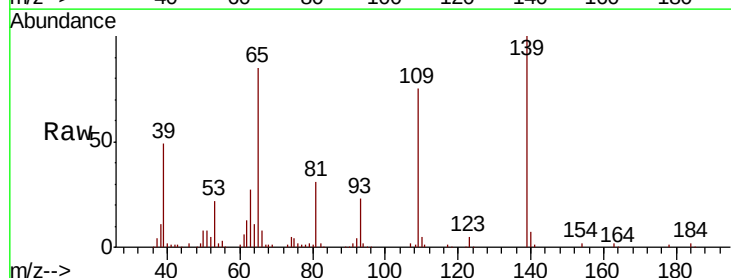
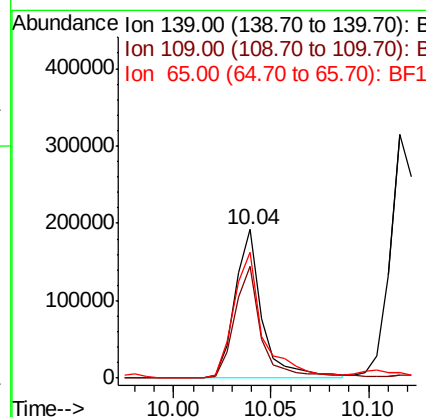
Manual Integrations
APPROVED

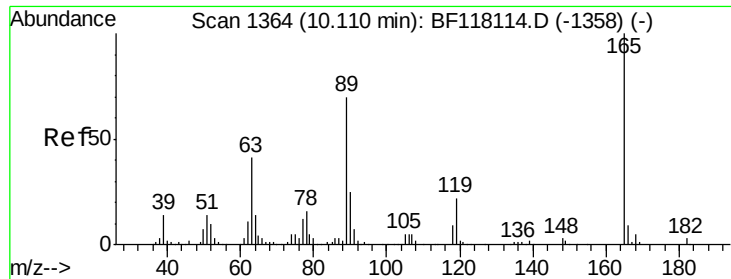
mohammad
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#56
4-Nitrophenol
Concen: 64.673 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.8	57.3	97.3
65	84.6	70.2	110.2





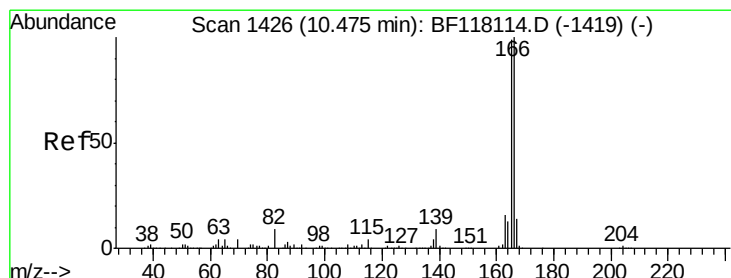
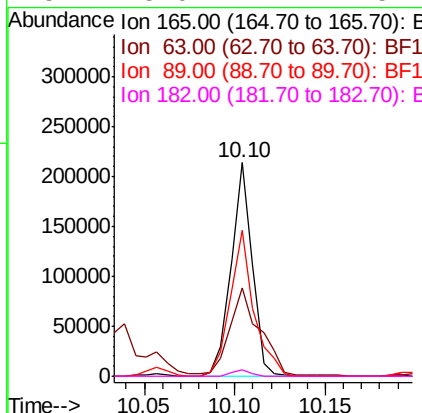
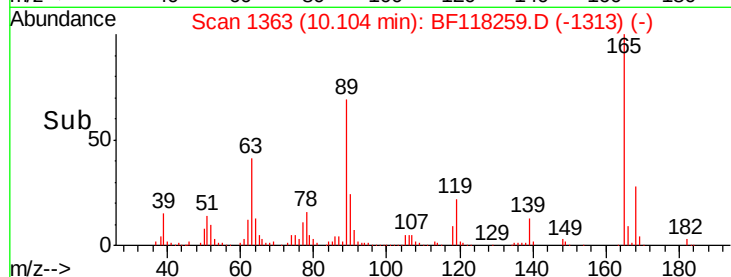
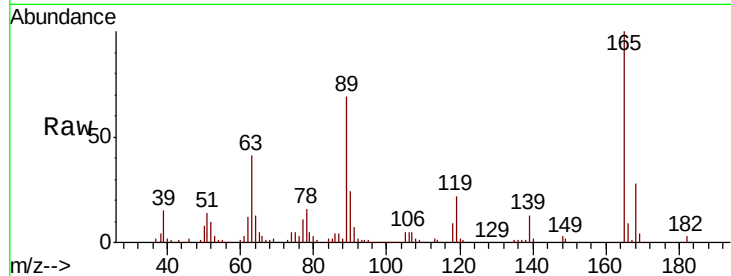
#57
 2,4-Dinitrotoluene
 Concen: 37.005 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	174142		
63	41.4	32.6	49.0	
89	68.6	56.1	84.1	
182	3.0	2.1	3.1	

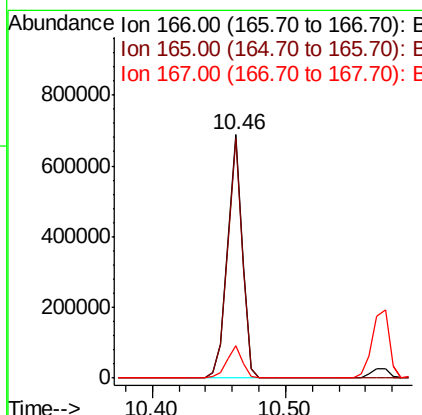
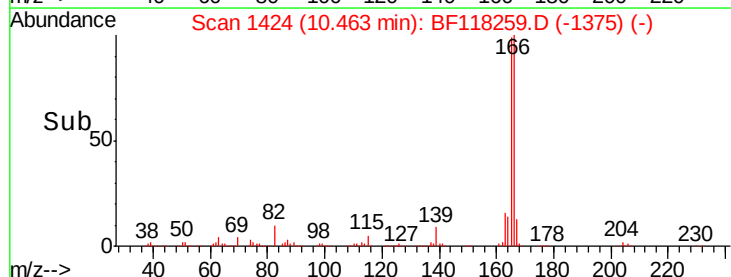
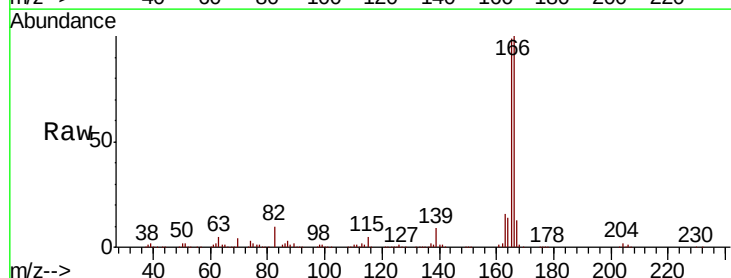
Manual Integrations
 APPROVED

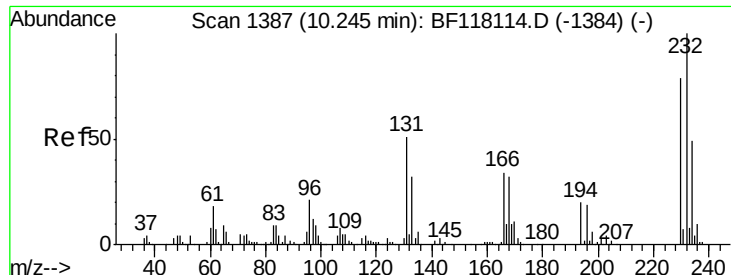
mohammad
 12/19/2019 11:16:46 AM



#58
 Fluorene
 Concen: 37.405 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	546093		
165	98.5	79.0	118.4	
167	13.2	10.9	16.3	





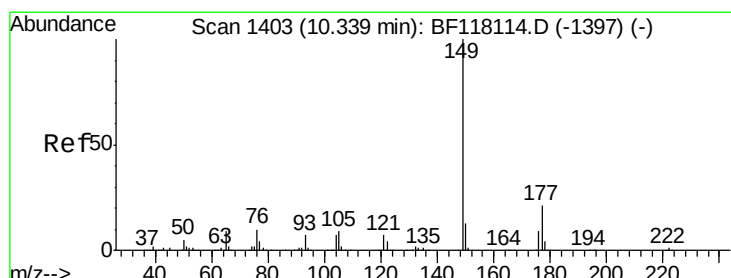
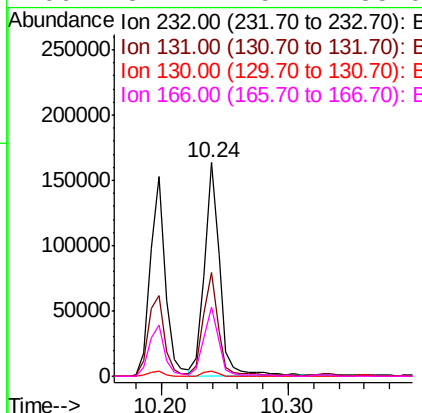
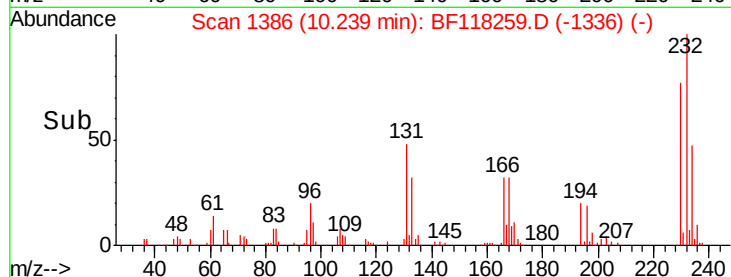
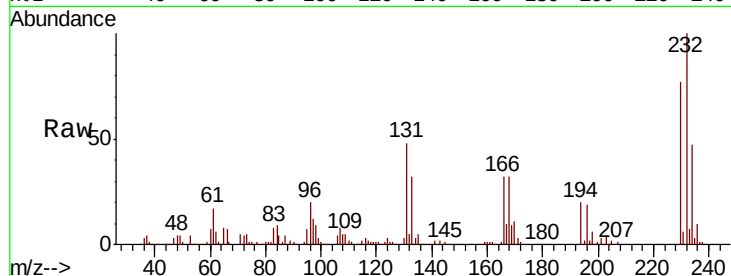
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.058 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampled :
EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	136845		
131	47.5	38.8	58.2	
130	2.4	1.9	2.9	
166	31.7	25.4	38.0	

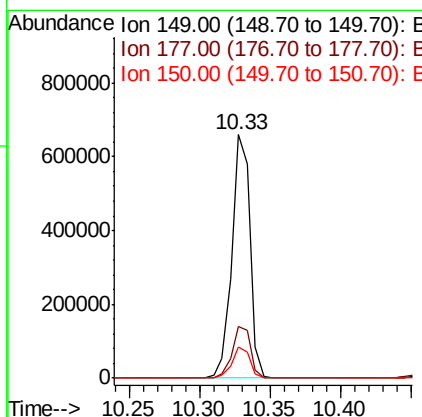
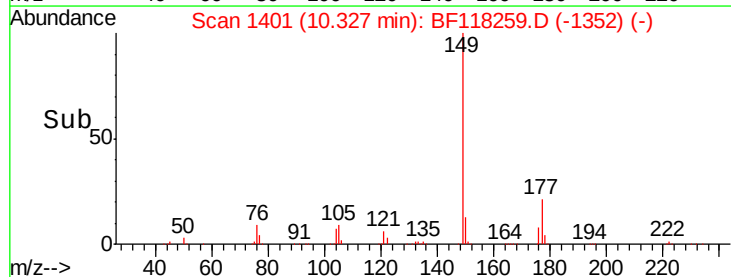
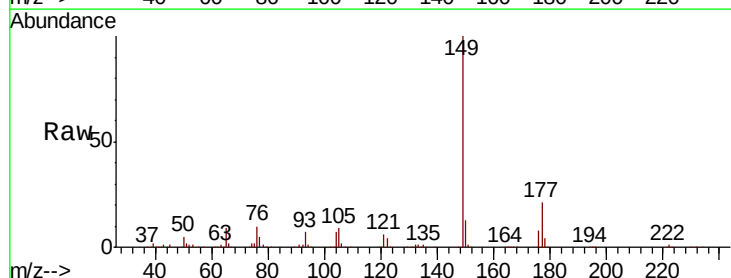
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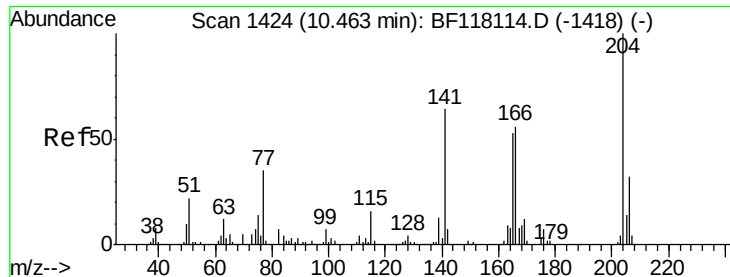
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#60
Diethylphthalate
Concen: 36.757 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	587209		
177	21.0	17.0	25.4	
150	12.6	10.1	15.1	





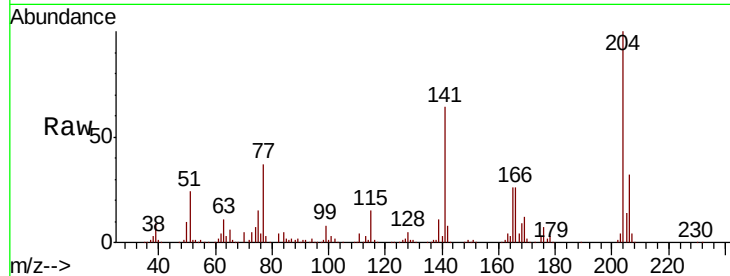
#61
4-Chlorophenyl-phenylether
Concen: 36.512 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampled :
EP-15MSD

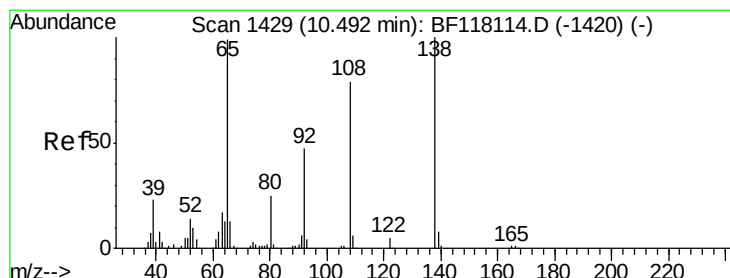
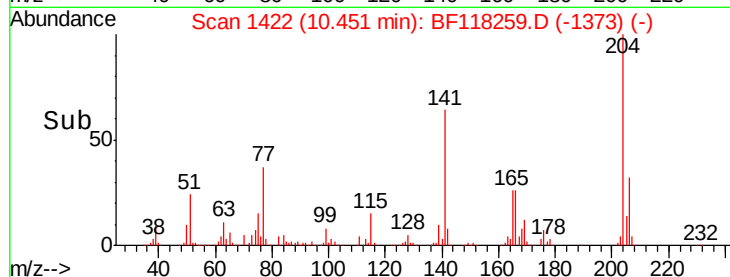
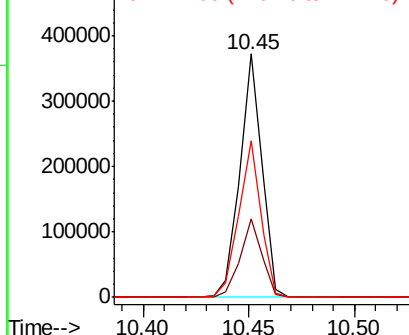
Tot Ion	Ratio	Resp	Lower	Upper
204	100	268213		
206	32.4	26.0	39.0	
141	64.4	51.0	76.6	

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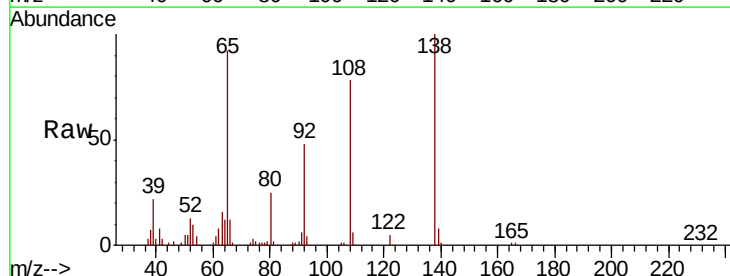


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

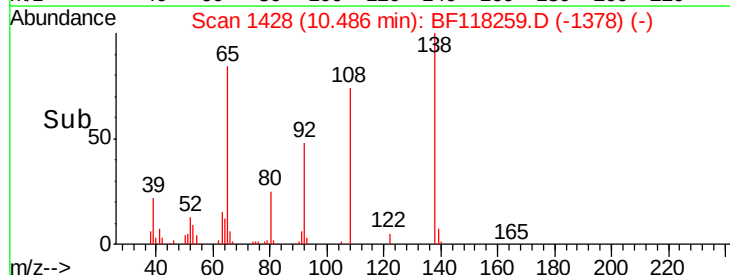
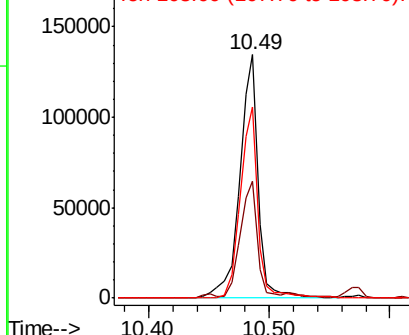


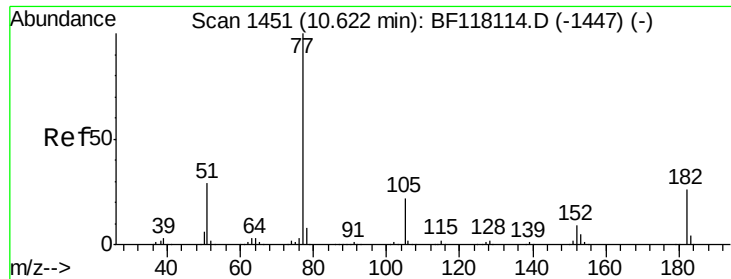
#62
4-Nitroaniline
Concen: 33.182 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	143597		
92	47.8	27.1	67.1	
108	78.4	59.0	99.0	



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





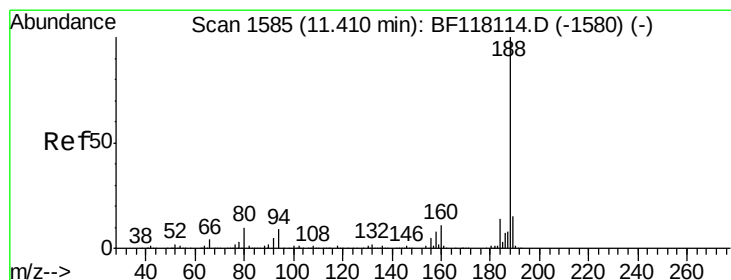
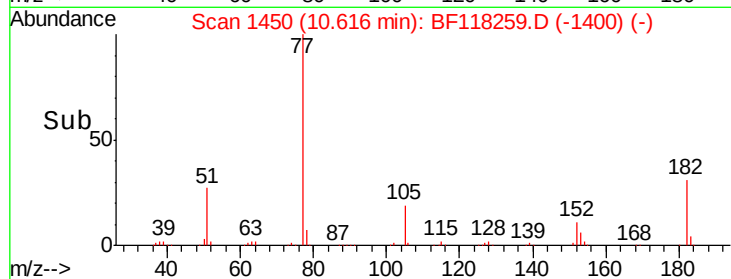
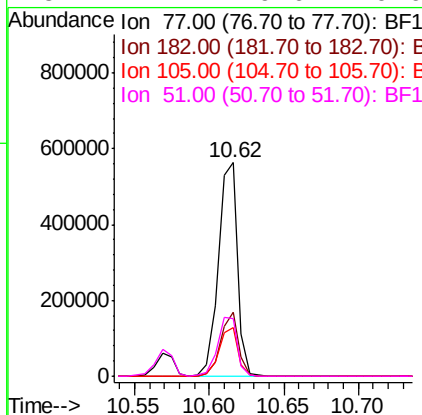
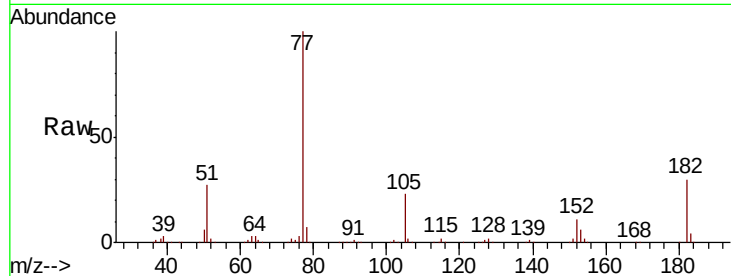
#63
Azobenzene
Concen: 37.225 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		507673		
182	30.3	5.7	45.7		
105	23.0	2.2	42.2		
51	27.2	9.6	49.6		

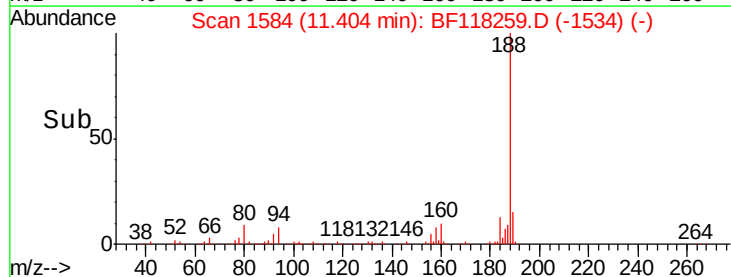
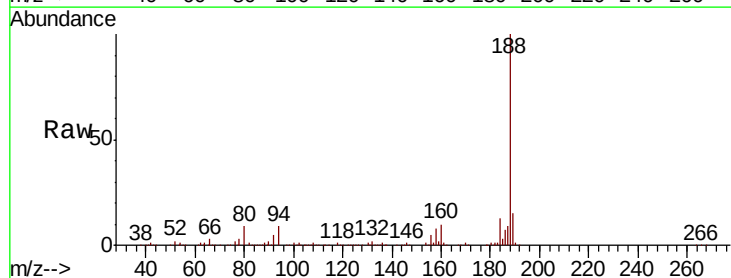
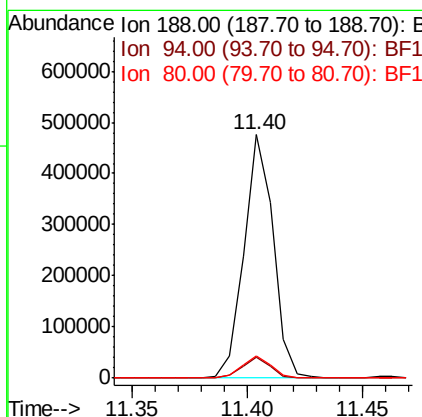
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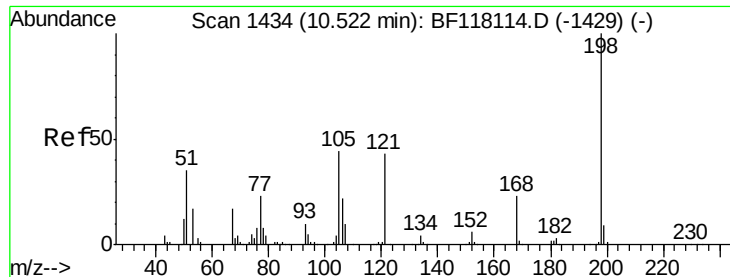
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		421259		
94	8.5	7.1	10.7		
80	8.9	7.9	11.9		





#65

4,6-Dinitro-2-methylphenol

Concen: 36.326 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

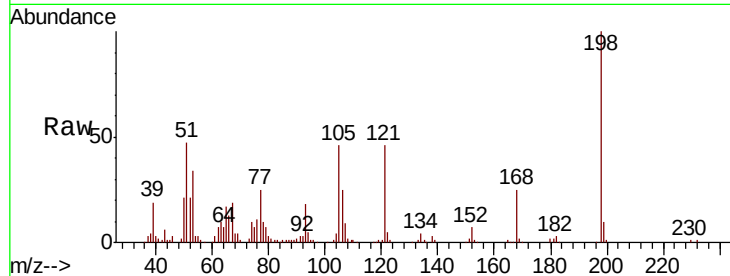
ClientSampleId :

EP-15MSD

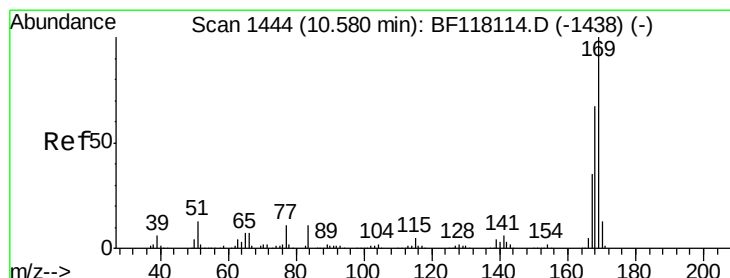
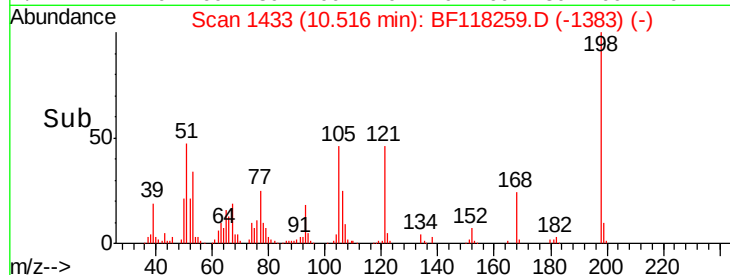
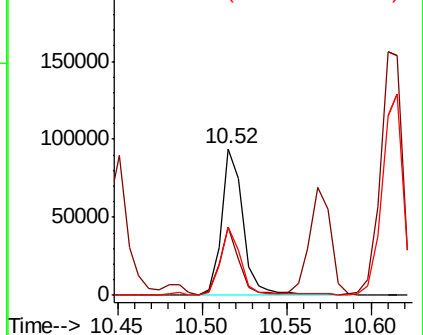
Tot Ion:	198	Resp:	84510
Ion Ratio	Lower	Upper	
198	100		
51	46.9	22.0	62.0
105	46.5	25.6	65.6

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 36.556 ng

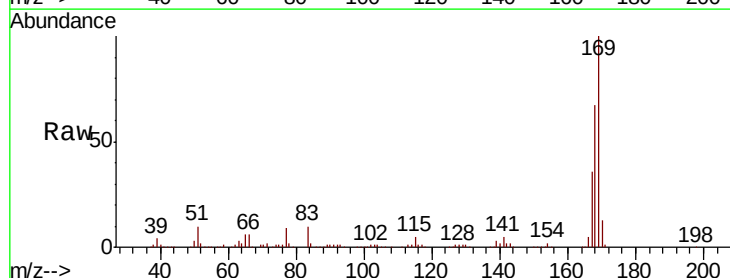
RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

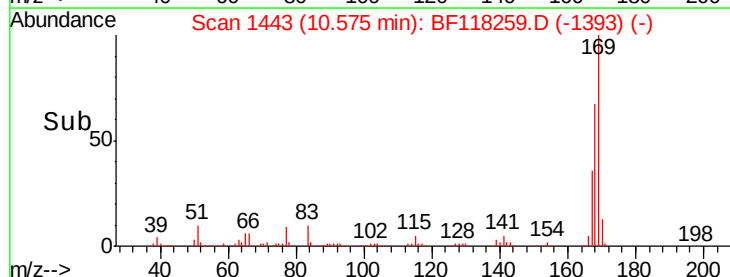
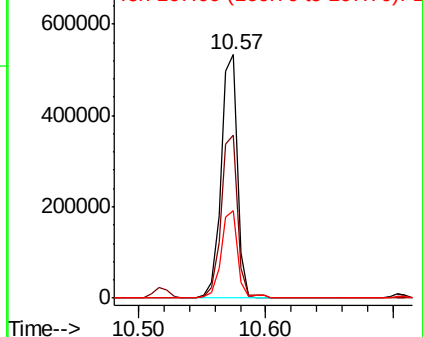
Lab File: BF118259.D

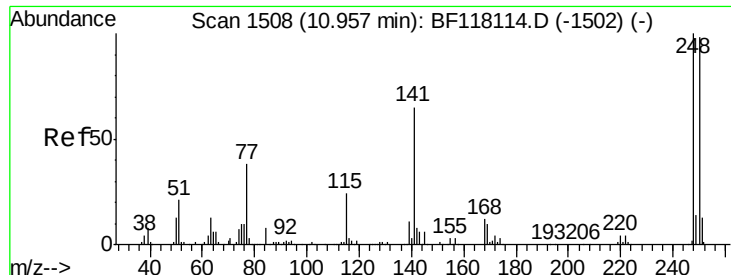
Acq: 18 Dec 2019 15:20

Tgt Ion:	169	Resp:	480902
Ion Ratio	Lower	Upper	
169	100		
168	67.0	53.4	80.2
167	35.9	28.4	42.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





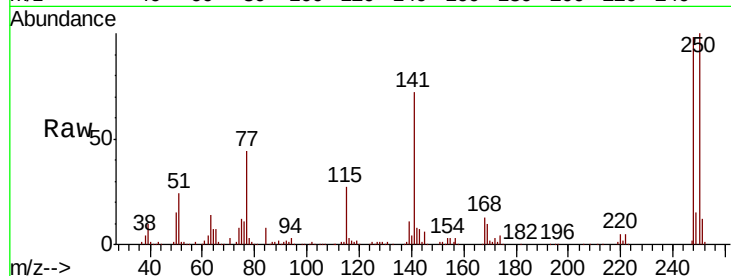
#67
4-Bromophenyl-phenylether
Concen: 34.673 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampled :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.9	78.3	117.5
141	73.5	52.2	78.4

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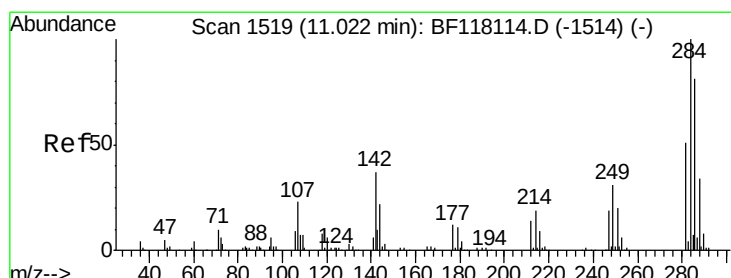
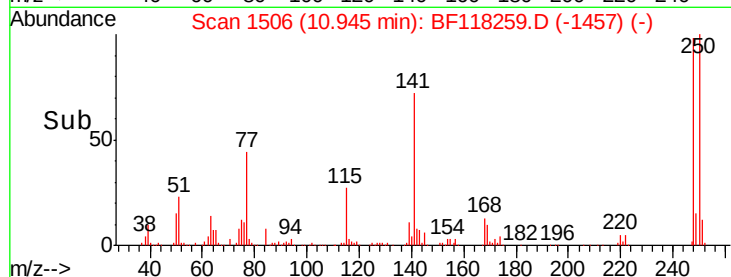
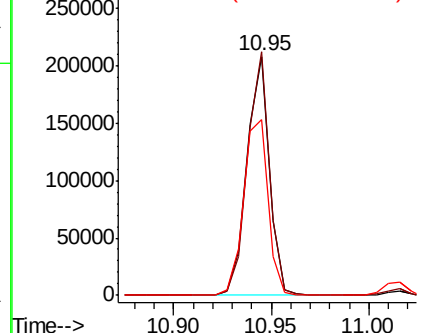


Abundance

Ion 248.00 (247.70 to 248.70): E

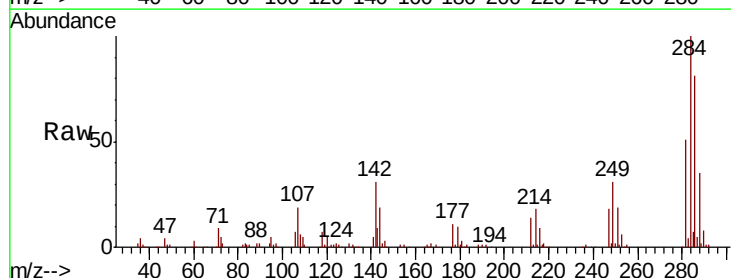
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 33.454 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.0	29.7	44.5
249	30.5	24.6	37.0

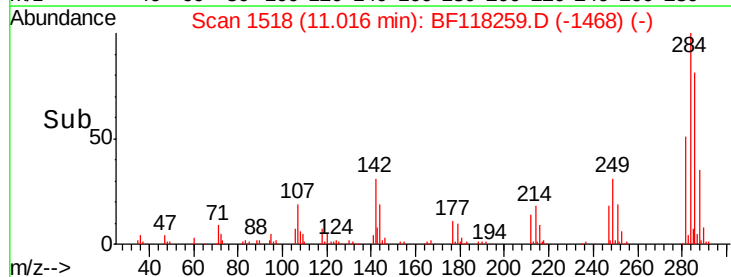
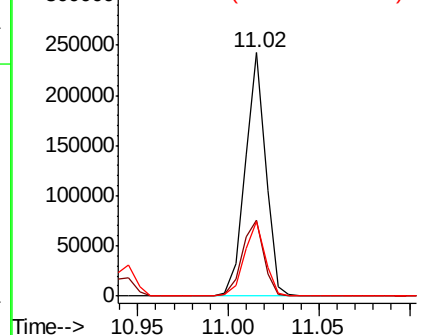


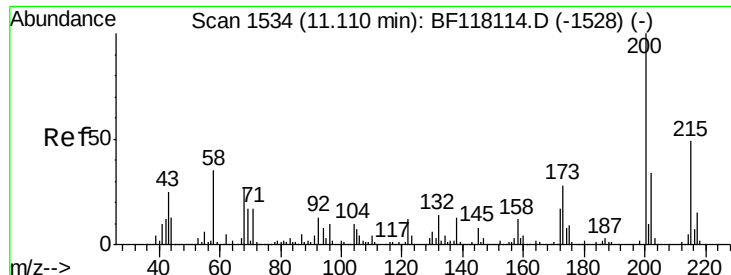
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





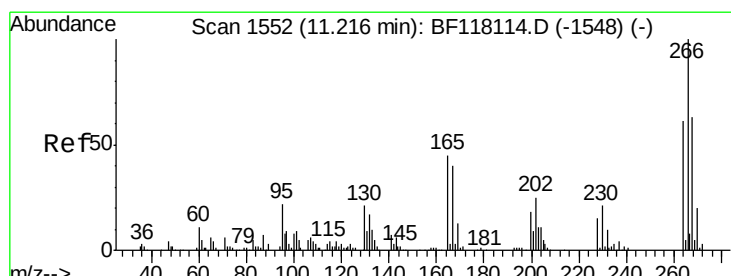
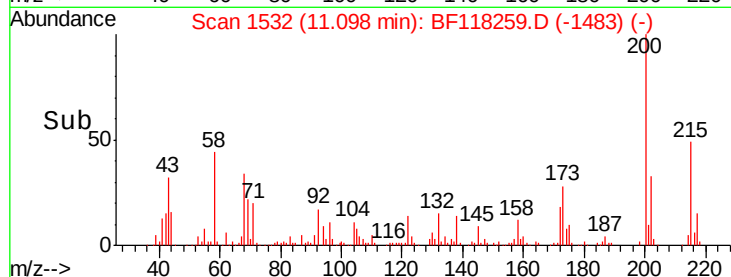
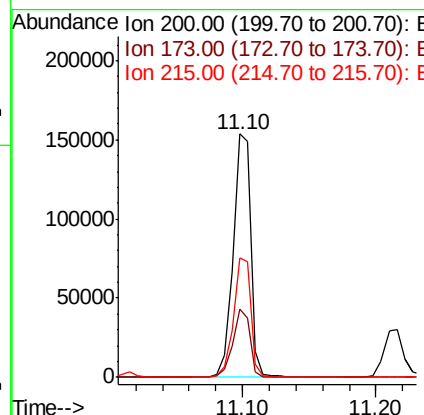
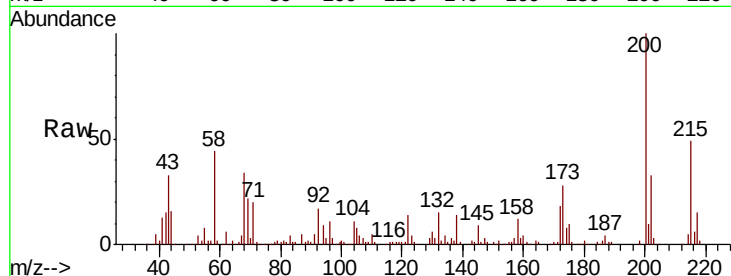
#69
Atrazine
Concen: 39.552 ng
RT: 11.10 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.1	8.1	48.1
215	48.9	29.0	69.0

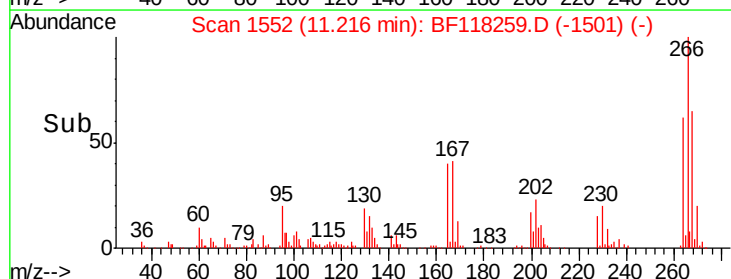
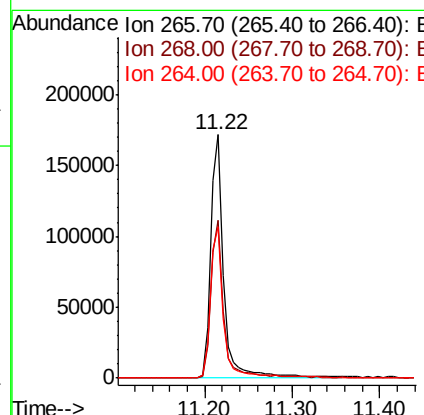
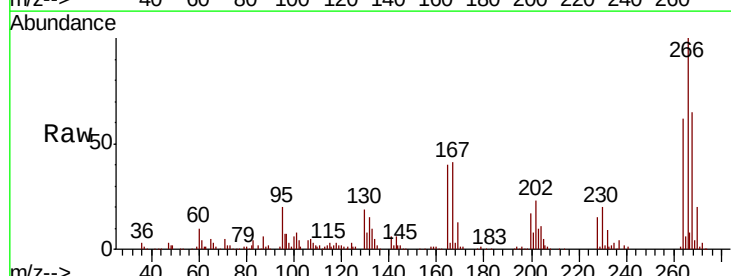
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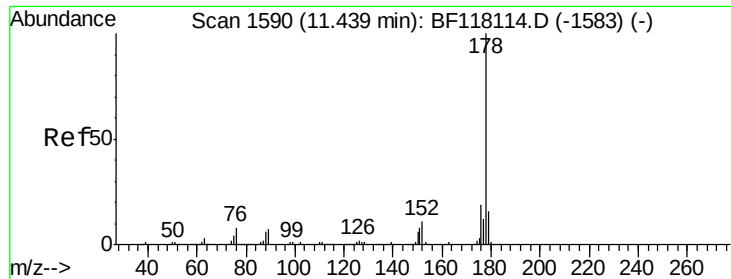
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#70
Pentachlorophenol
Concen: 67.132 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	65.0	50.7	76.1
264	62.0	48.7	73.1





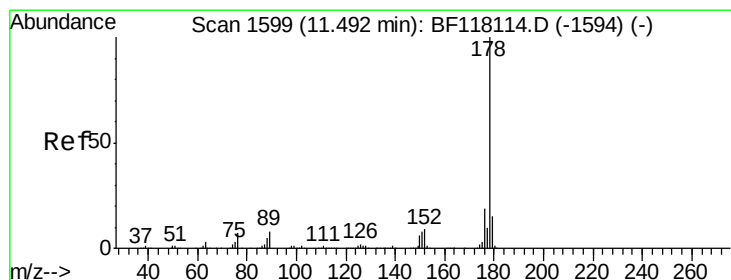
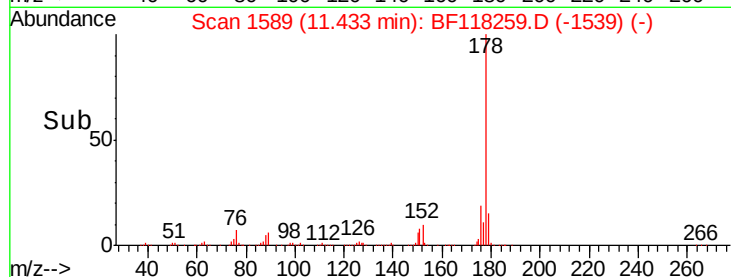
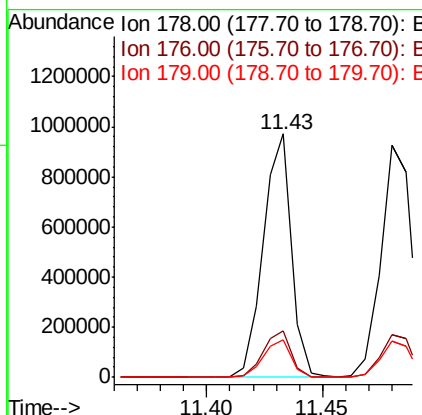
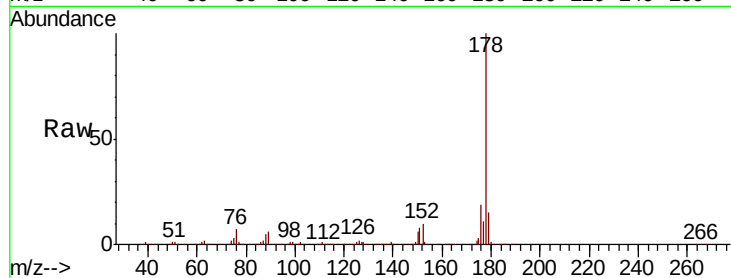
#71
Phenanthrene
Concen: 36.858 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.2	12.6	18.8

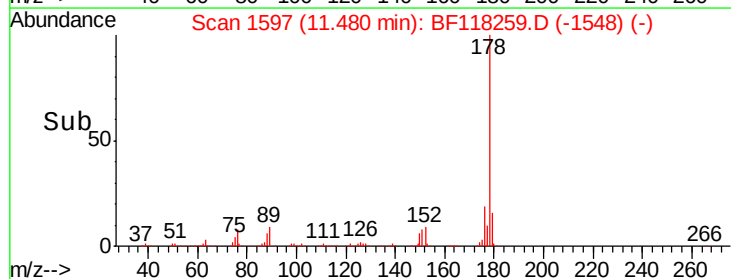
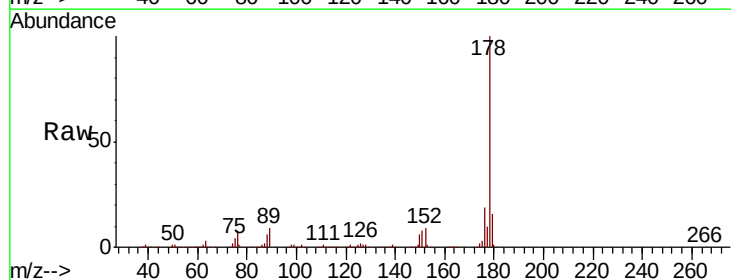
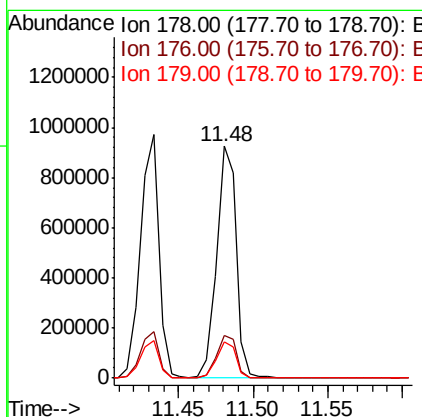
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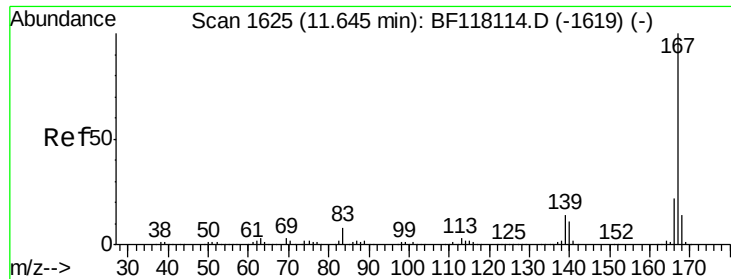
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#72
Anthracene
Concen: 37.988 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.7	12.2	18.4





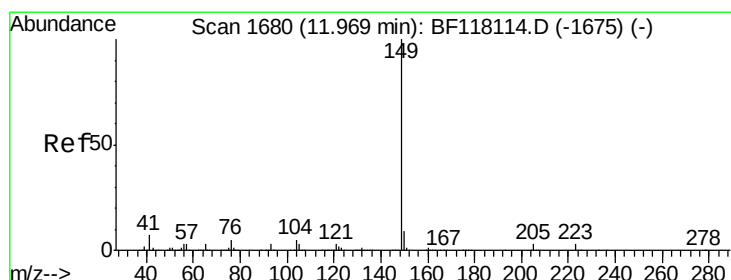
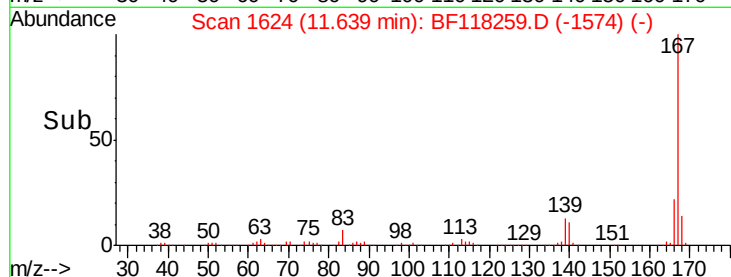
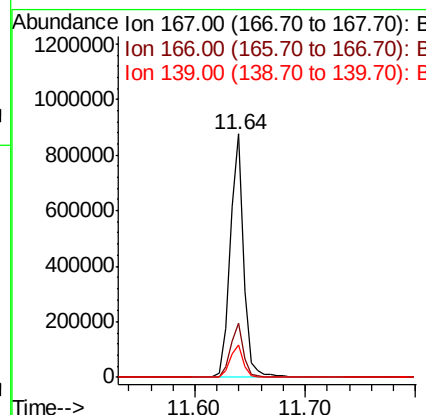
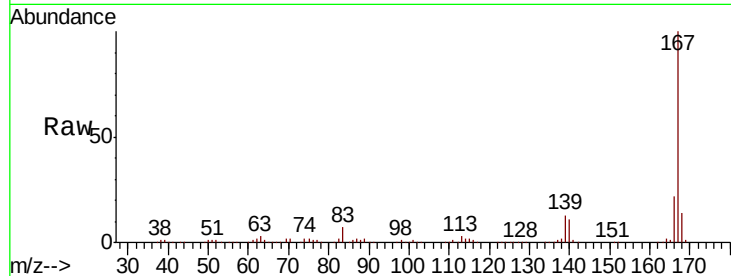
#73
 Carbazole
 Concen: 37.437 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleID :
 EP-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100	750365		
166	22.0		17.4	26.2
139	13.4		11.4	17.0

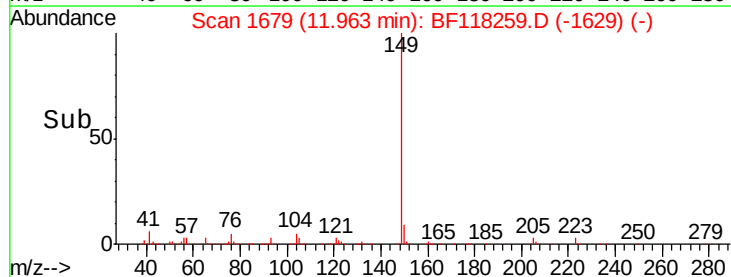
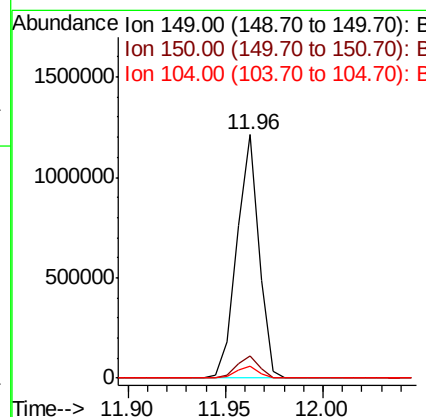
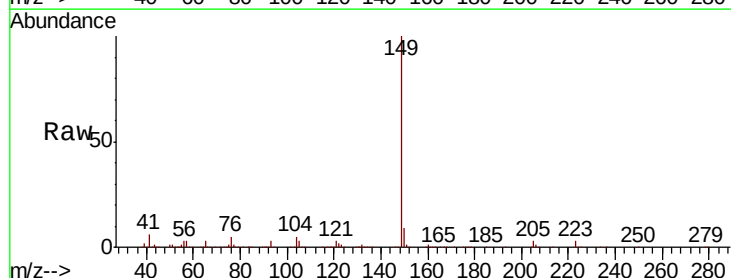
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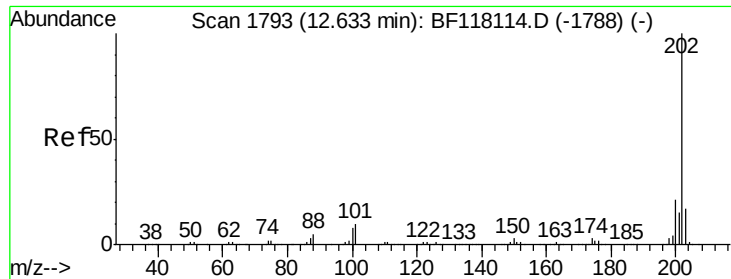
mohammad
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#74
 Di-n-butylphthalate
 Concen: 38.096 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	955610		
150	9.3		7.4	11.2
104	4.8		4.3	6.5





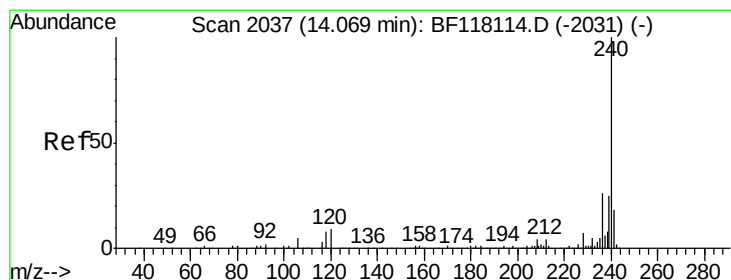
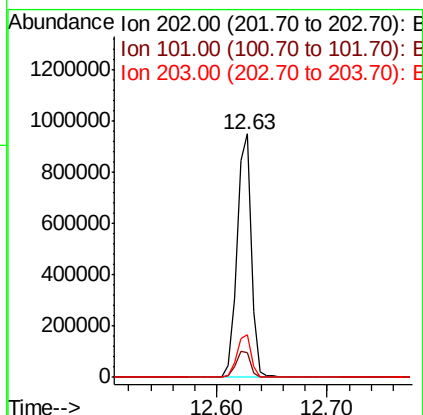
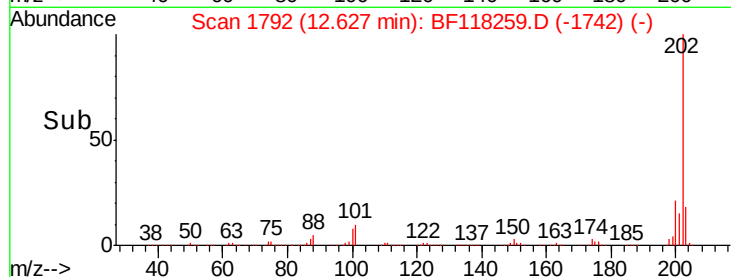
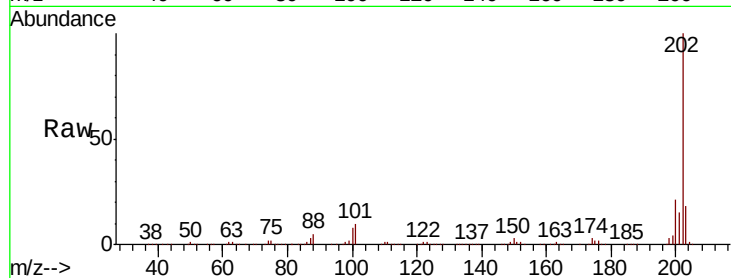
#75
Fluoranthene
Concen: 37.937 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	30.4
203	17.5	0.0	37.2

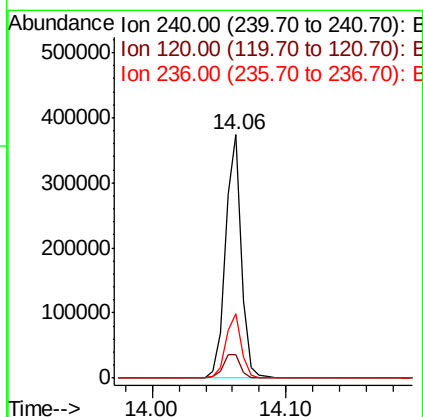
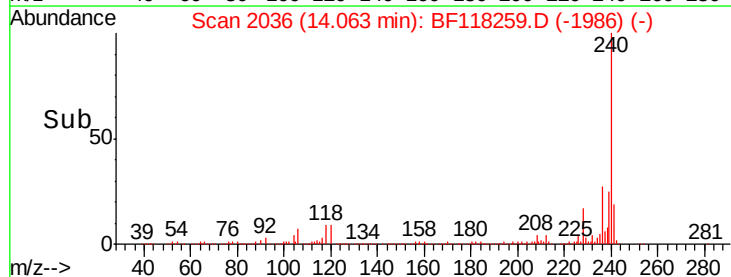
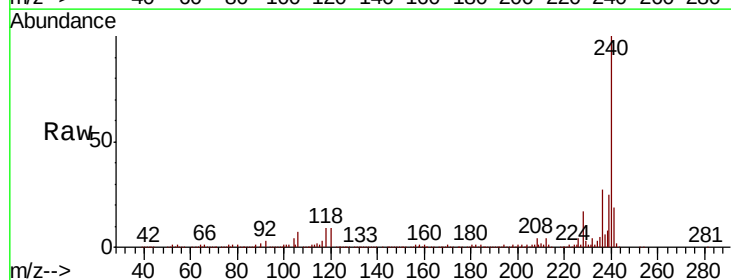
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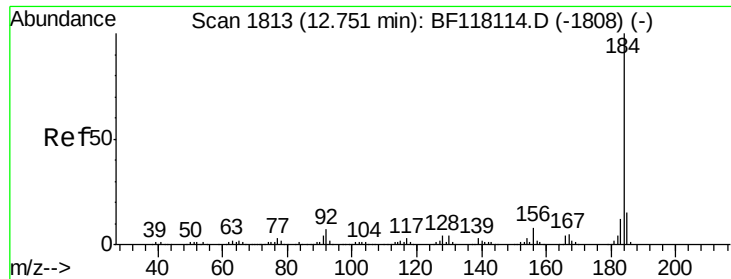
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	7.1	10.7
236	26.7	21.0	31.6





#77

Benzidine

Concen: 35.042 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

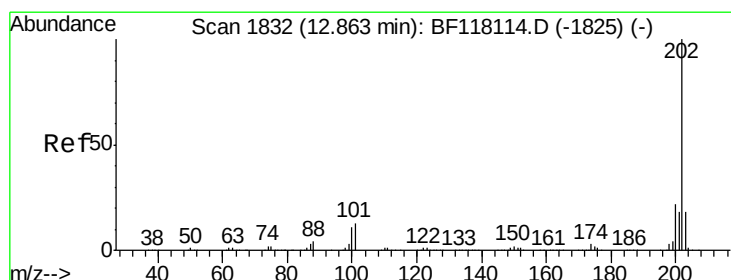
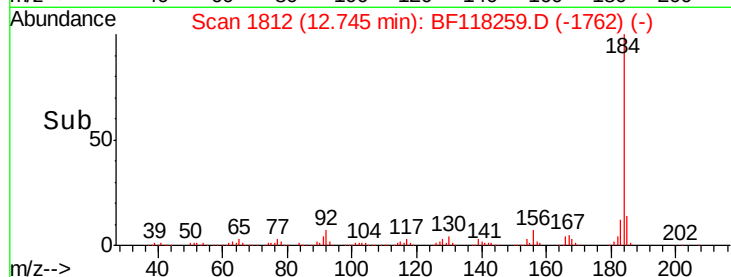
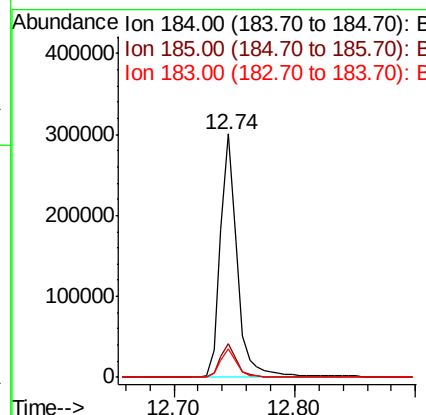
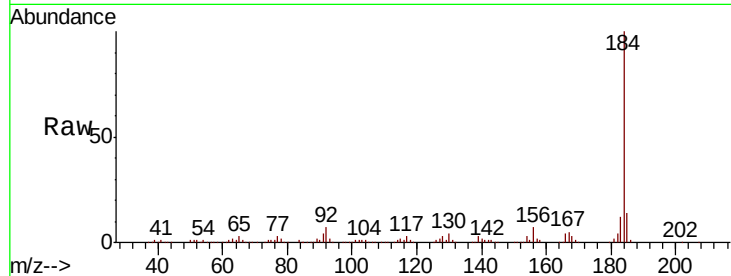
ClientSampleId :

EP-15MSD

Tot Ion:	184	Resp:	287271
Ion Ratio	Lower	Upper	
184	100		
185	13.7	12.3	18.5
183	11.8	9.9	14.9

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#78

Pyrene

Concen: 35.512 ng

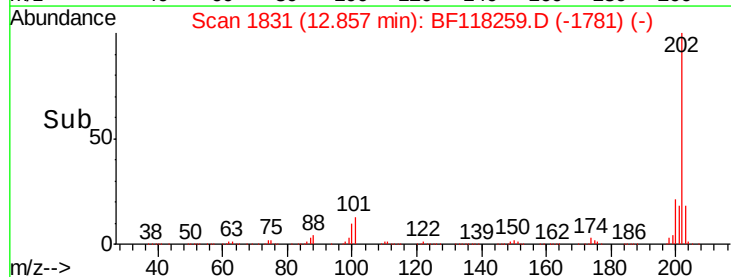
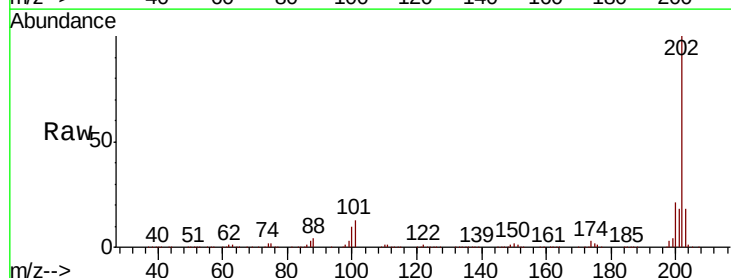
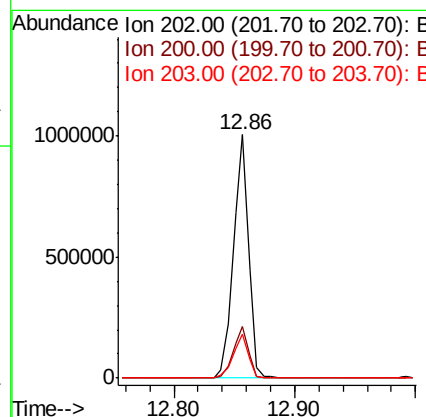
RT: 12.86 min Scan# 1831

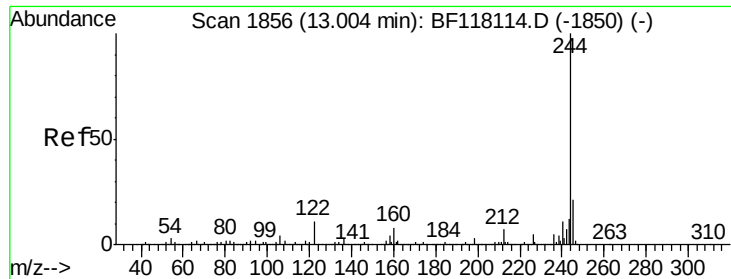
Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Tgt Ion:	202	Resp:	871496
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.5	26.3
203	17.9	14.6	21.8





#79

Terphenyl-d14

Concen: 63.920 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

ClientSampleId :

EP-15MSD

Tot Ion:244 Resp: 1157540

Ion Ratio Lower Upper

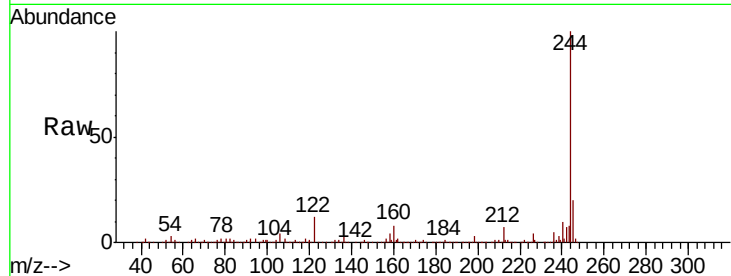
244 100

212 7.1 5.9 8.9

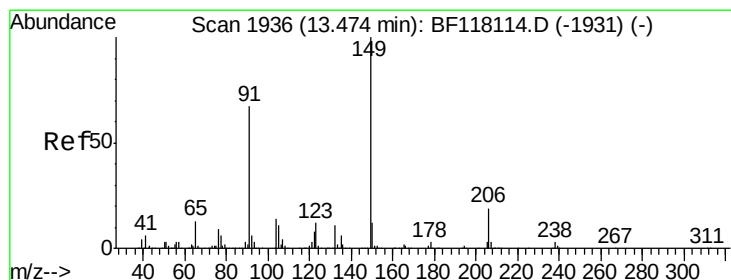
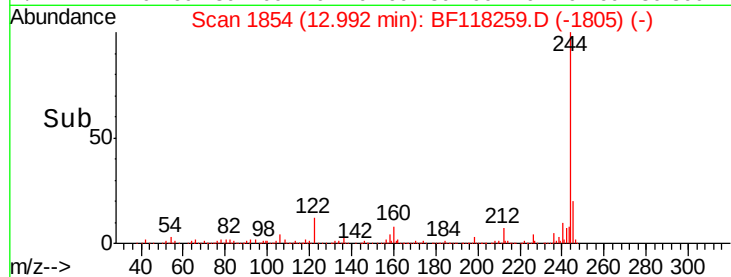
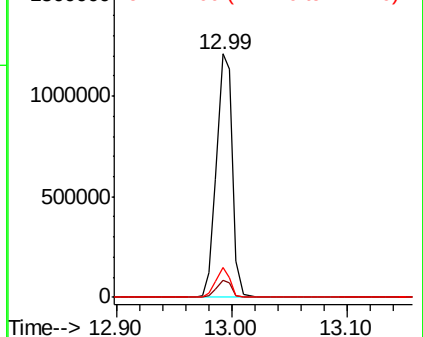
122 12.2 9.0 13.6

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.592 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

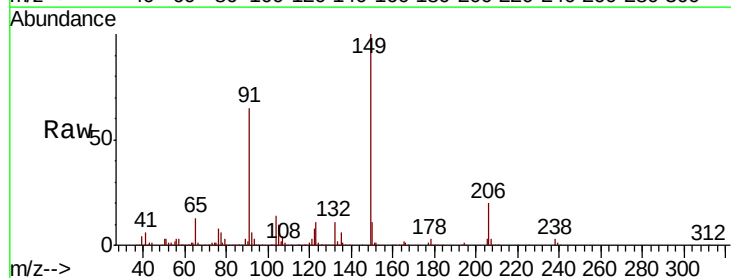
Tgt Ion:149 Resp: 406688

Ion Ratio Lower Upper

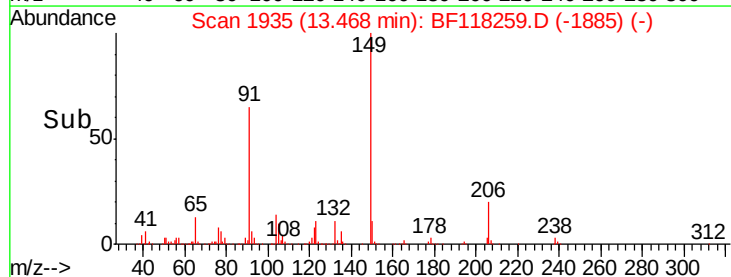
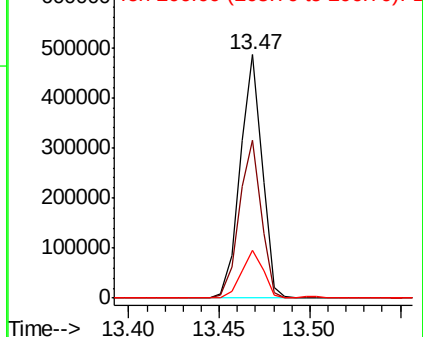
149 100

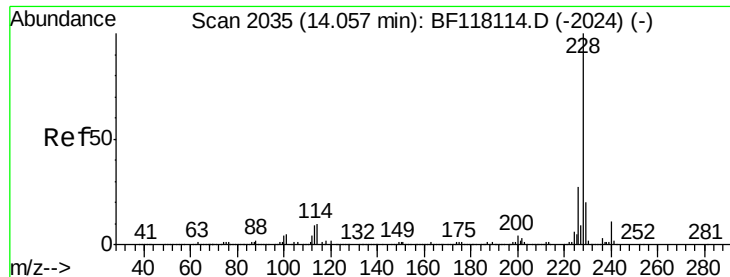
91 64.6 53.9 80.9

206 19.6 15.2 22.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





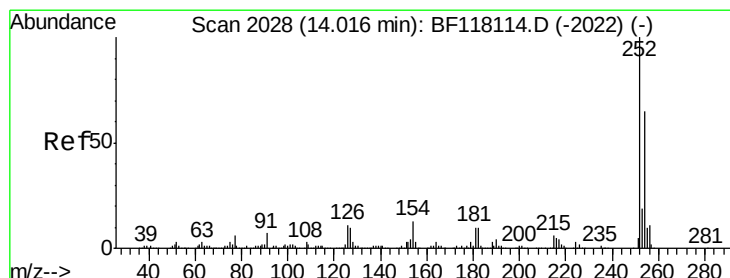
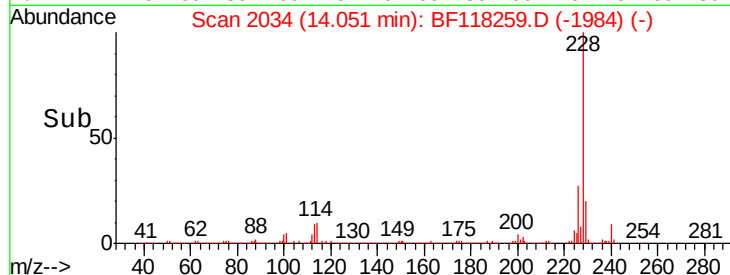
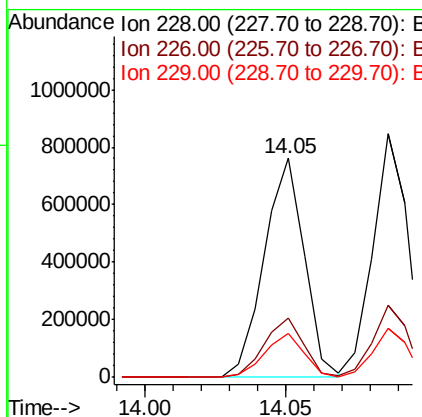
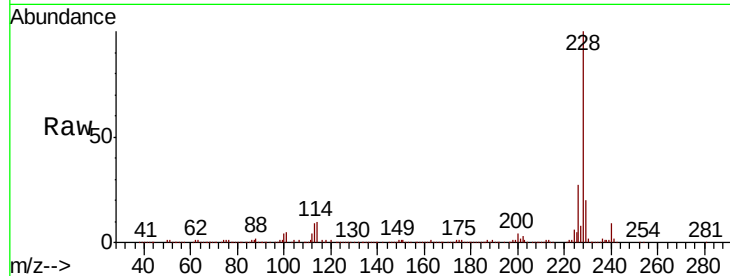
#81
Benzo(a)anthracene
Concen: 34.877 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.0	15.8	23.8

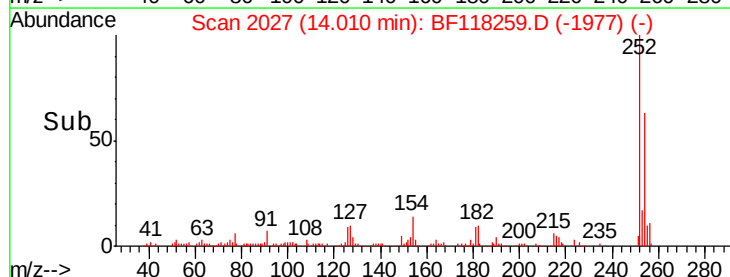
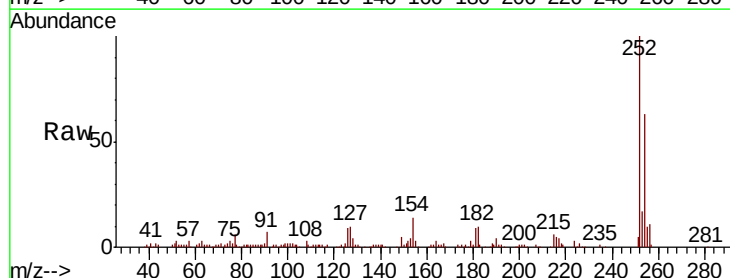
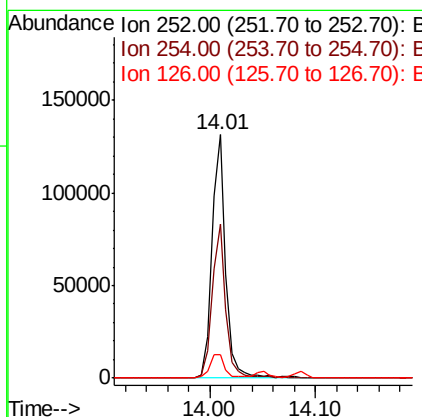
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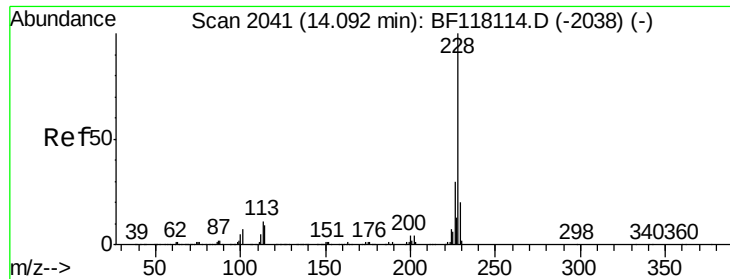
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#82
3,3'-Dichlorobenzidine
Concen: 17.089 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.3	52.2	78.4
126	9.5	8.6	13.0





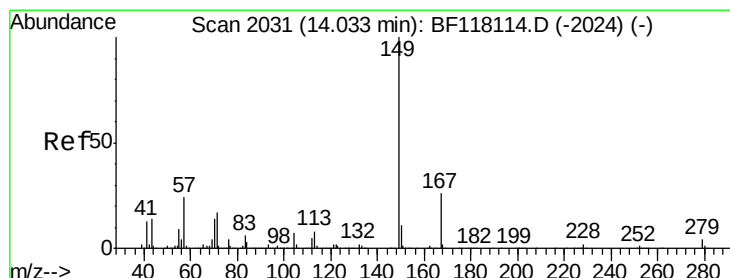
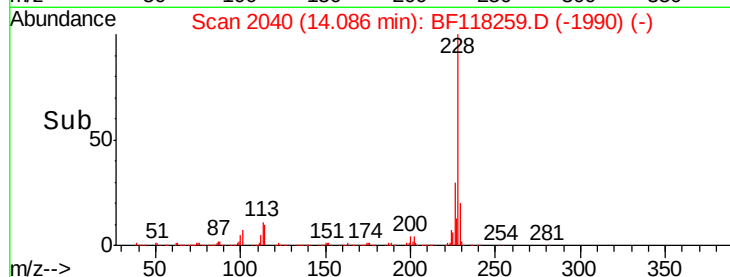
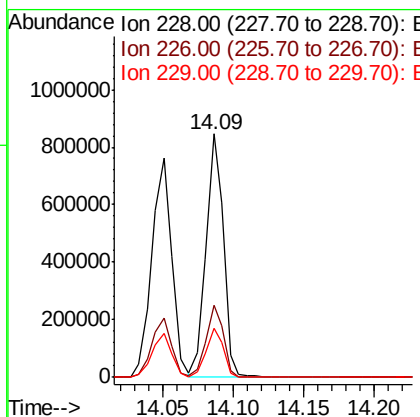
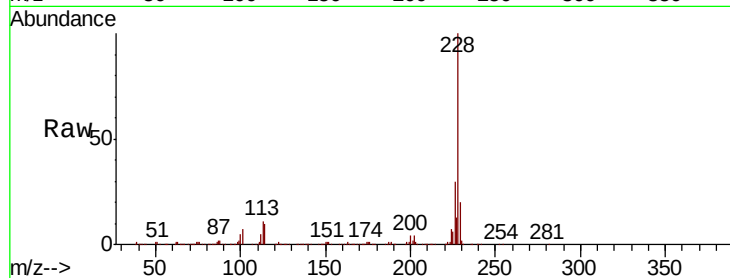
#83
 Chrysene
 Concen: 35.306 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :
 EP-15MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	20.2	15.7	23.5

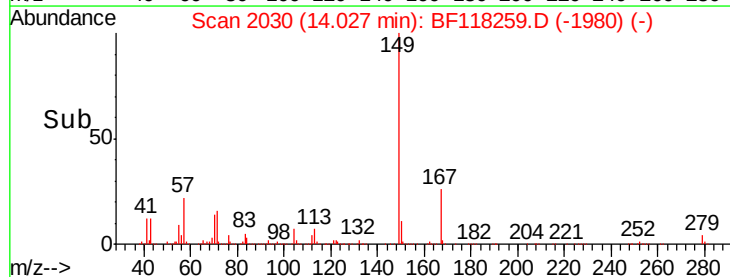
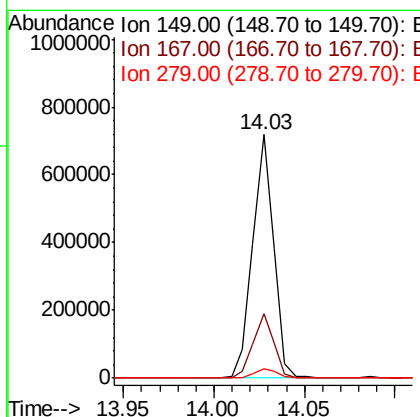
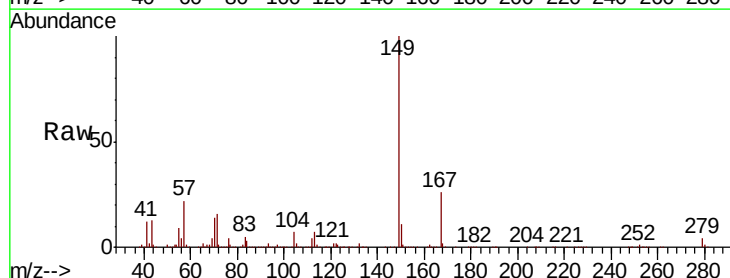
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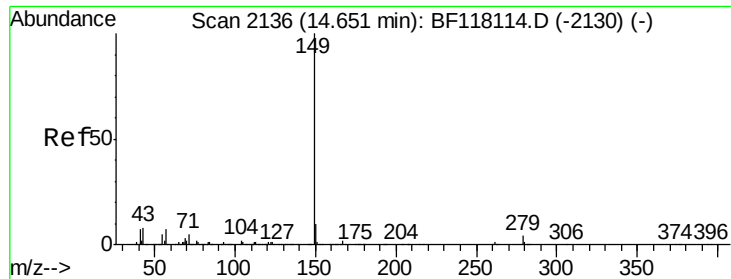
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.586 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118259.D
 Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.8	31.2
279	3.9	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 41.485 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF118259.D

Acq: 18 Dec 2019 15:20

Instrument :

BNA_F

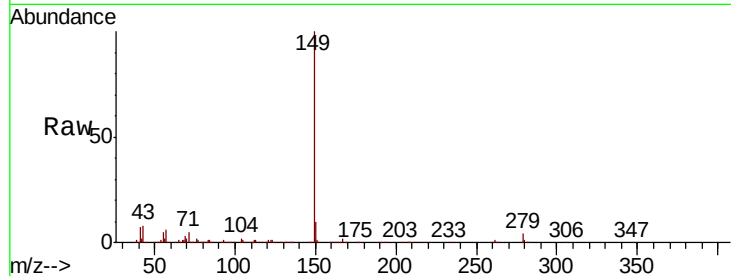
ClientSampleId :

EP-15MSD

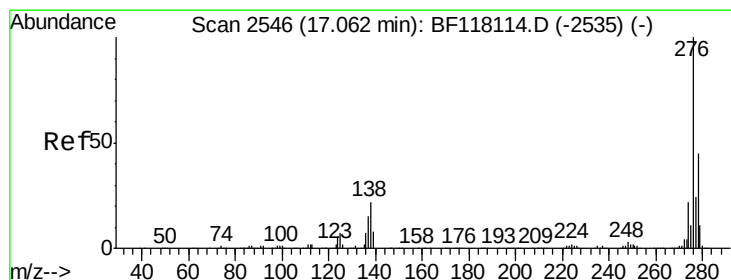
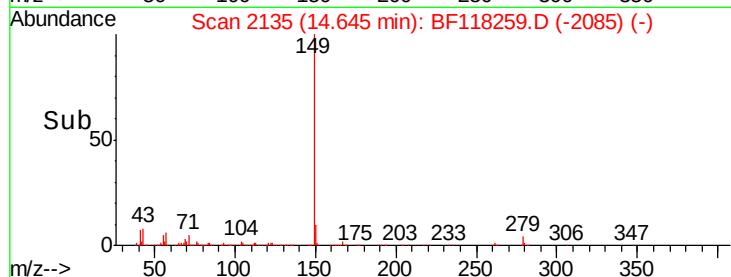
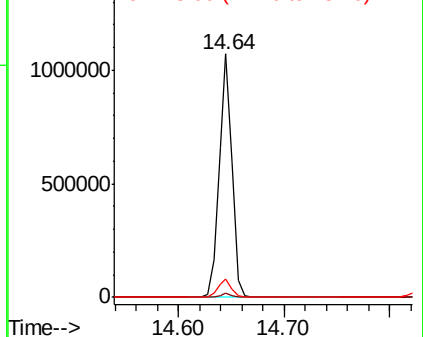
Tot Ion:	149	Resp:	920968
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	7.8	6.5	9.7

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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: 39.625 ng

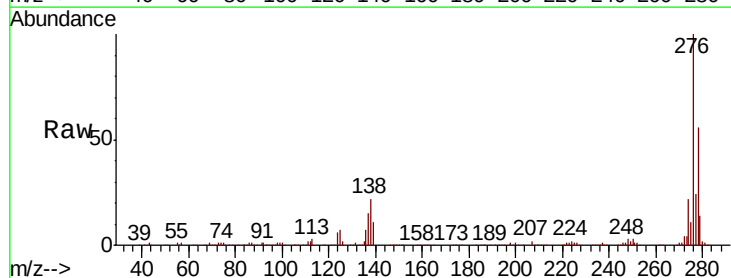
RT: 17.07 min Scan# 2547

Delta R.T. 0.01 min

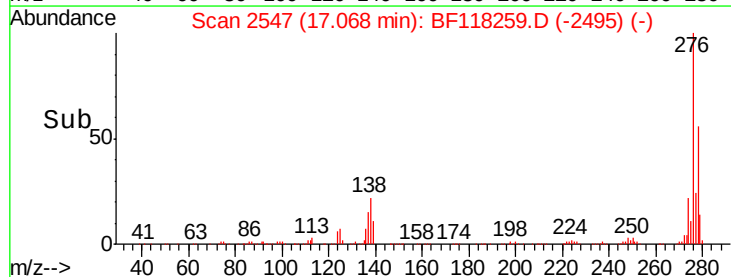
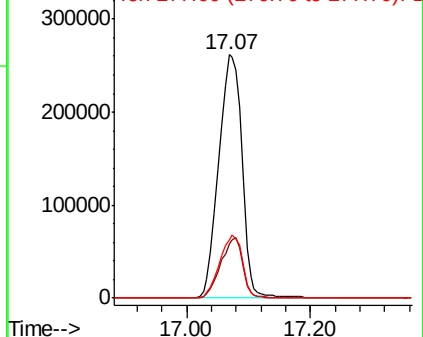
Lab File: BF118259.D

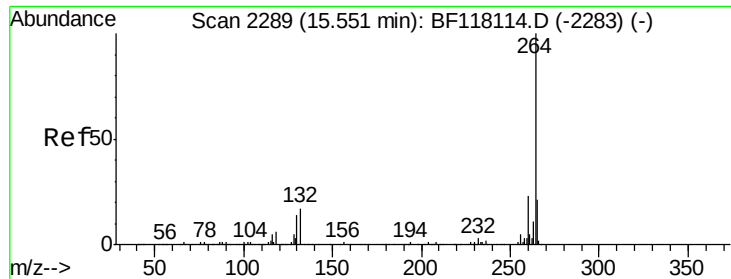
Acq: 18 Dec 2019 15:20

Tgt Ion:	276	Resp:	685782
Ion Ratio	Lower	Upper	
276	100		
138	23.5	18.9	28.3
277	25.5	20.4	30.6



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





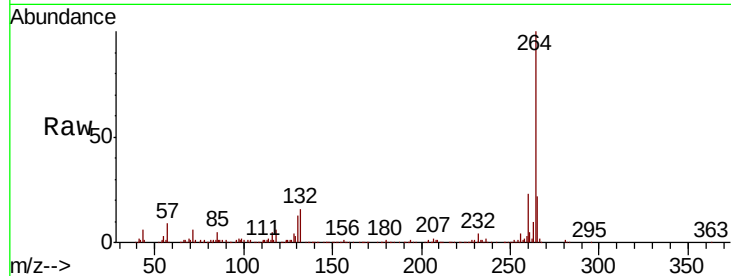
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleID :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.6	16.8	25.2

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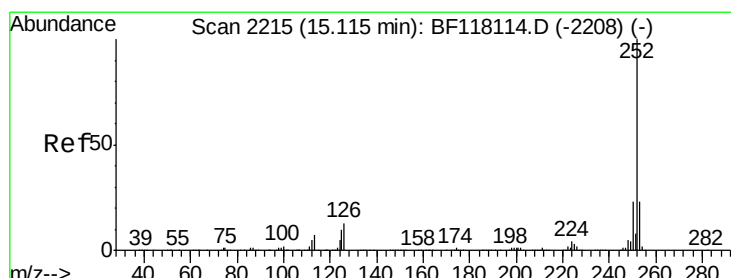
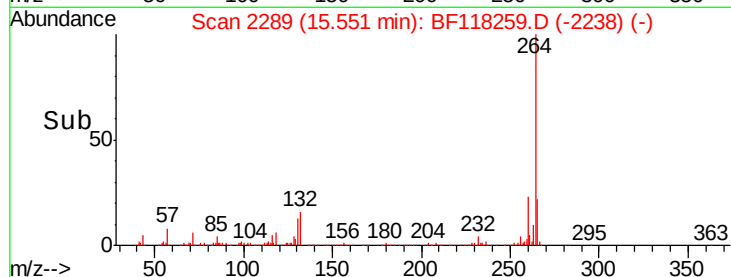
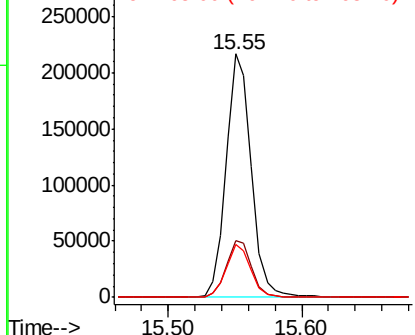


Abundance

Ion 264.00 (263.70 to 264.70): E

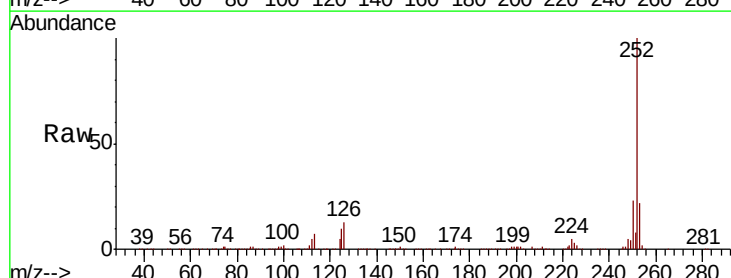
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 34.116 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	9.6	8.3	12.5

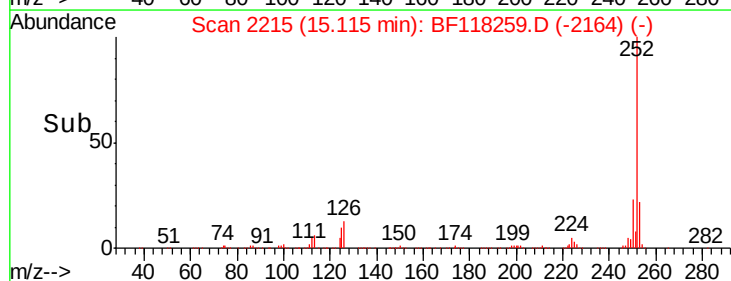
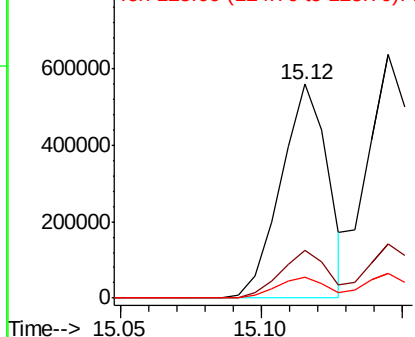


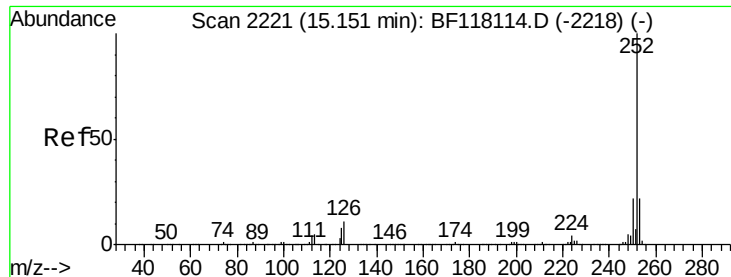
Abundance

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





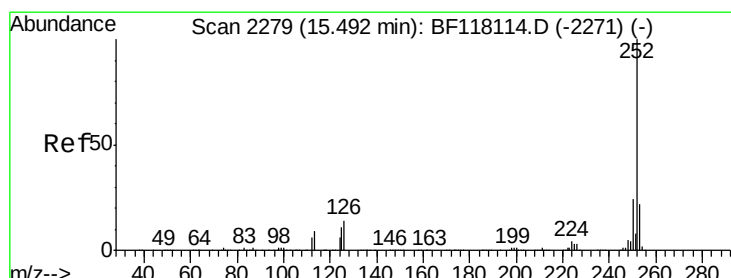
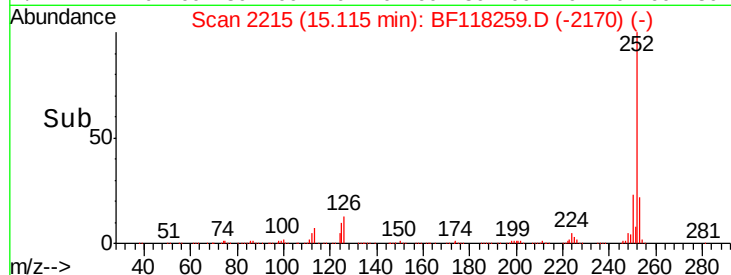
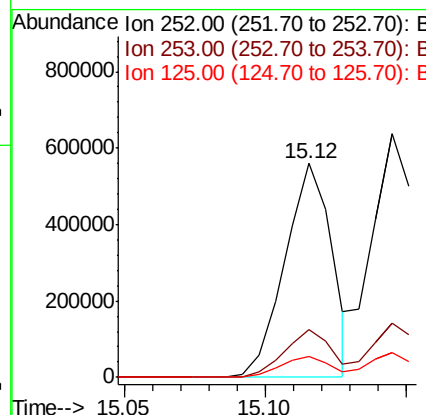
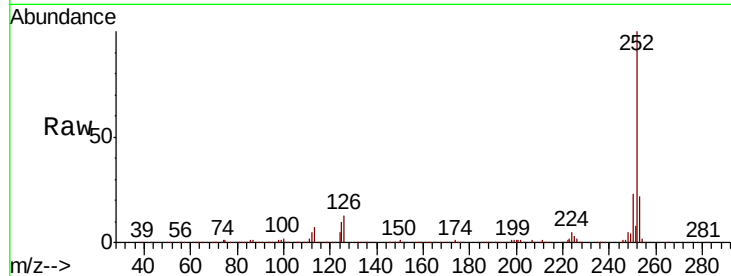
#89
Benzo(k)fluoranthene
Concen: 35.513 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.6	6.7	10.1

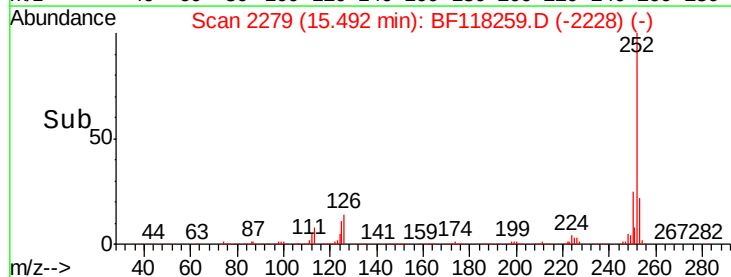
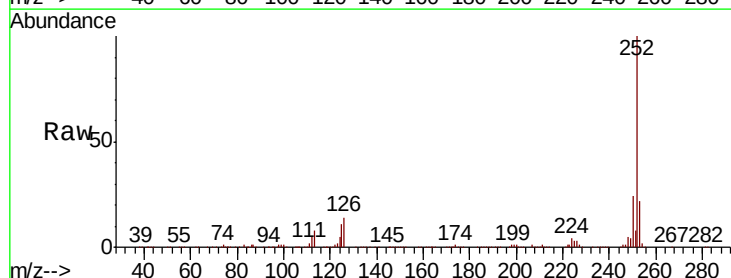
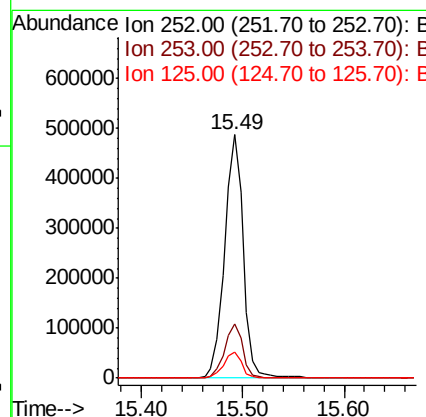
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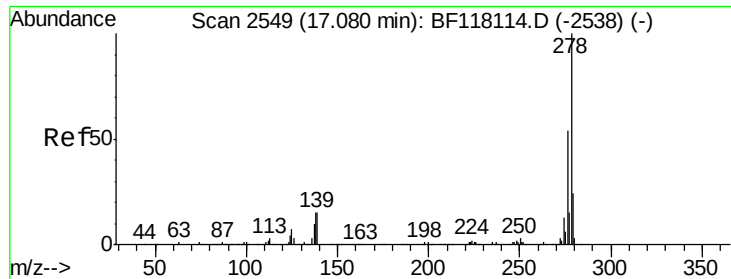
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#90
Benzo(a)pyrene
Concen: 36.946 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.0	9.1	13.7





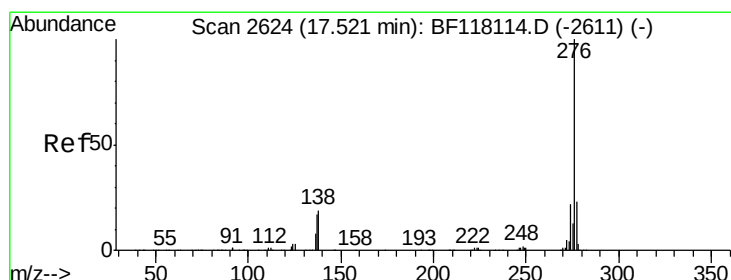
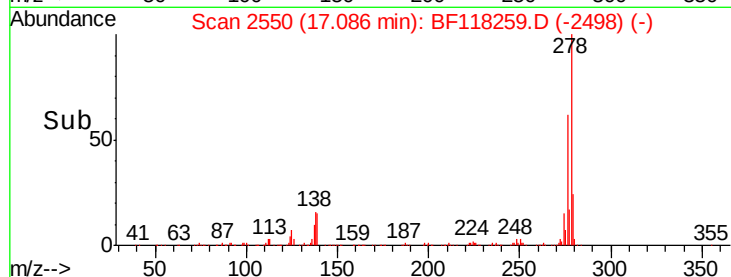
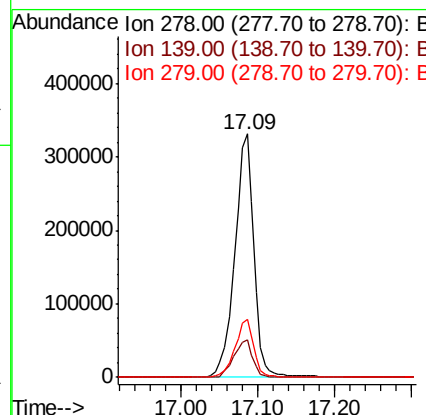
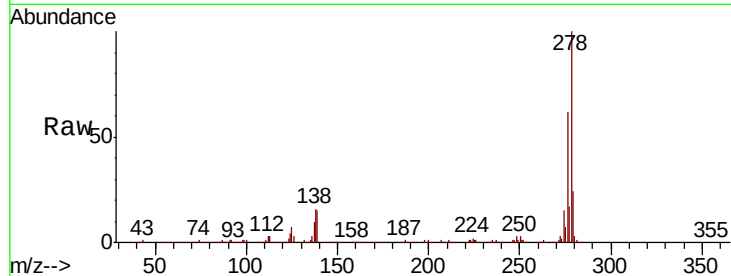
#91
Dibenzo(a,h)anthracene
Concen: 40.030 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EP-15MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.7	17.5
279	23.6	19.0	28.4

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:46 AM



#92
Benzo(g,h,i)perylene
Concen: 40.884 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF118259.D
Acq: 18 Dec 2019 15:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.2	27.4
138	20.6	15.5	23.3

