

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042619\
 Data File : BF114014.D
 Acq On : 26 Apr 2019 17:16
 Operator : JU/SJ
 Sample : K2571-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Manual Integrations
 APPROVED

Sohil
 4/27/2019 2:36:53 AM

Quant Time: Apr 27 01:18:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	231329	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	902613	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	479590	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	875753	20.00	ng	0.01
76) Chrysene-d12	14.06	240	629894	20.00	ng	0.00
87) Perylene-d12	15.55	264	686899	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	960001	70.98	ng	0.01
7) Phenol-d6	6.53	99	1271459	74.93	ng	0.01
23) Nitrobenzene-d5	7.46	82	781021	53.43	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	428776	73.39	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1509056	49.21	ng	0.00
79) Terphenyl-d14	13.01	244	1654602	53.85	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	127713	20.031	ng	97
3) Pyridine	3.49	79	355187	20.410	ng	97
4) n-Nitrosodimethylamine	3.43	42	135252	22.704	ng	92
6) Aniline	6.56	93	410289	17.608	ng	99
8) 2-Chlorophenol	6.69	128	381083	24.679	ng	99
9) Benzaldehyde	6.44	77	93396	5.192	ng	96
10) Phenol	6.55	94	490491	24.173	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	372684	24.408	ng	97
12) 1,3-Dichlorobenzene	6.84	146	418549	23.932	ng	99
13) 1,4-Dichlorobenzene	6.92	146	426913	24.270	ng	99
14) 1,2-Dichlorobenzene	7.07	146	398380	24.643	ng	99
15) Benzyl Alcohol	7.04	79	326363	28.557	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	421151	23.628	ng	91
17) 2-Methylphenol	7.15	107	342925	25.335	ng	98
18) Hexachloroethane	7.41	117	147657	23.946	ng	96
19) n-Nitroso-di-n-propylamine	7.31	70	272363	24.785	ng	98
20) 3+4-Methylphenols	7.30	107	396416	25.922	ng	# 84
22) Acetophenone	7.30	105	534676	26.619	ng	# 92
24) Nitrobenzene	7.47	77	420134	26.010	ng	99
25) Isophorone	7.72	82	760490	25.424	ng	100
26) 2-Nitrophenol	7.79	139	216163	29.334	ng	95
27) 2,4-Dimethylphenol	7.83	122	351809	29.302	ng	97
28) bis(2-Chloroethoxy)methane	7.92	93	482546	25.316	ng	100
29) 2,4-Dichlorophenol	8.03	162	372793	27.153	ng	99
30) 1,2,4-Trichlorobenzene	8.12	180	393282	25.690	ng	99
31) Naphthalene	8.20	128	1113835	25.976	ng	99
32) Benzoic acid	7.93	122	81293	10.026	ng	97
33) 4-Chloroaniline	8.25	127	267423	14.739	ng	96
34) Hexachlorobutadiene	8.32	225	236130	24.743	ng	97
35) Caprolactam	8.62	113	110145m	25.219	ng	
36) 4-Chloro-3-methylphenol	8.73	107	368214	27.070	ng	99
37) 2-Methylnaphthalene	8.89	142	771447	26.680	ng	99
38) 1-Methylnaphthalene	8.99	142	733710	26.290	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	396673	25.463	ng	99

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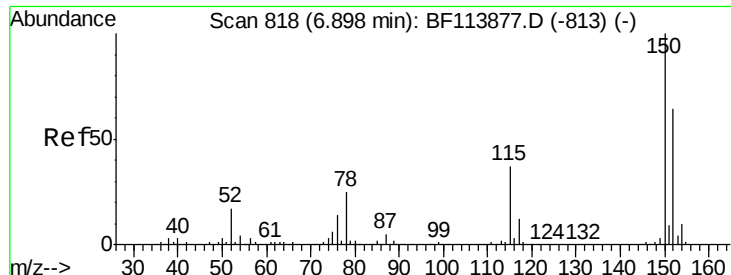
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	394603	45.423	ng	99
43) 2,4,6-Trichlorophenol	9.17	196	278343	28.137	ng	98
44) 2,4,5-Trichlorophenol	9.22	196	310413	27.976	ng	98
46) 1,1'-Biphenyl	9.36	154	963857	26.308	ng	99
47) 2-Chloronaphthalene	9.38	162	777628	26.100	ng	98
48) 2-Nitroaniline	9.47	65	230641	29.530	ng	85
49) Acenaphthylene	9.80	152	1194219	25.603	ng	99
50) Dimethylphthalate	9.66	163	1095646	31.589	ng	100
51) 2,6-Dinitrotoluene	9.72	165	215686	28.985	ng	99
52) Acenaphthene	9.97	154	750602	27.230	ng	97
53) 3-Nitroaniline	9.88	138	162560	20.789	ng	99
54) 2,4-Dinitrophenol	9.99	184	125351	43.206	ng	# 6
55) Dibenzofuran	10.15	168	1076413	26.069	ng	99
56) 4-Nitrophenol	10.05	139	339932	54.906	ng	97
57) 2,4-Dinitrotoluene	10.12	165	292963	31.192	ng	91
58) Fluorene	10.49	166	802251	25.807	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	254565m	26.107	ng	
60) Diethylphthalate	10.36	149	900722	27.346	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	419709	25.493	ng	98
62) 4-Nitroaniline	10.50	138	206748	27.095	ng	99
63) Azobenzene	10.63	77	807083	25.283	ng	99
65) 4,6-Dinitro-2-methylphenol	10.53	198	98356	28.081	ng	84
66) n-Nitrosodiphenylamine	10.59	169	746009	28.390	ng	99
67) 4-Bromophenyl-phenylether	10.97	248	275428	26.034	ng	96
68) Hexachlorobenzene	11.04	284	296650	25.517	ng	95
69) Atrazine	11.12	200	248955	29.124	ng	96
70) Pentachlorophenol	11.23	266	298011	45.274	ng	98
71) Phenanthrene	11.45	178	1149095	26.109	ng	99
72) Anthracene	11.50	178	1189432	26.762	ng	100
73) Carbazole	11.65	167	1050267	26.488	ng	99
74) Di-n-butylphthalate	11.99	149	1270707	27.244	ng	100
75) Fluoranthene	12.64	202	1236914	25.760	ng	97
77) Benzidine	12.75	184	230101	12.260	ng	# 75
78) Pyrene	12.87	202	1250637	28.392	ng	100
80) Butylbenzylphthalate	13.47	149	552260	31.865	ng	98
81) Benzo(a)anthracene	14.05	228	1060173	28.567	ng	99
82) 3,3'-Dichlorobenzidine	14.01	252	195129	14.345	ng	# 98
83) Chrysene	14.09	228	1047103	28.970	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	751650	34.087	ng	98
85) Di-n-octyl phthalate	14.66	149	1192145	34.541	ng	99
86) Indeno(1,2,3-cd)pyrene	17.04	276	1223586	35.739	ng	98
88) Benzo(b)fluoranthene	15.12	252	1065990	24.528	ng	99
89) Benzo(k)fluoranthene	15.14	252	997672	26.688	ng	99
90) Benzo(a)pyrene	15.49	252	1004487	26.722	ng	99
91) Dibenzo(a,h)anthracene	17.06	278	996306	28.234	ng	99
92) Benzo(g,h,i)perylene	17.50	276	1031367	28.963	ng	98

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



#1

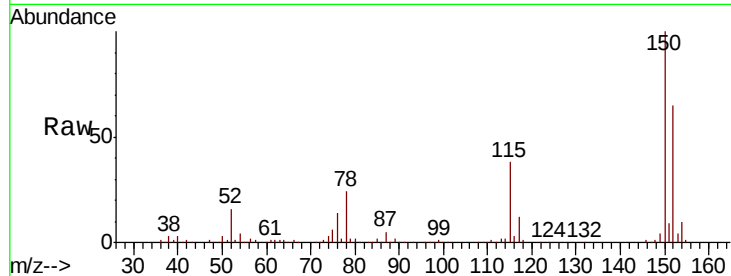
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
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114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.9	188.9
115	57.7	45.9	68.9

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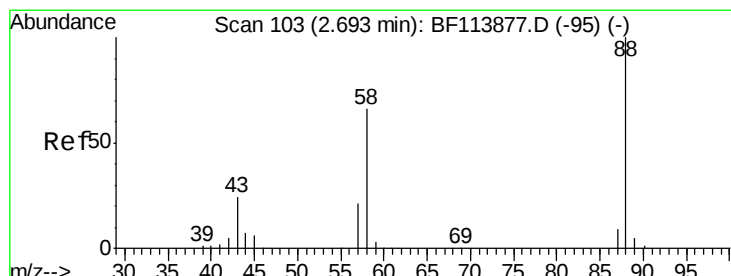
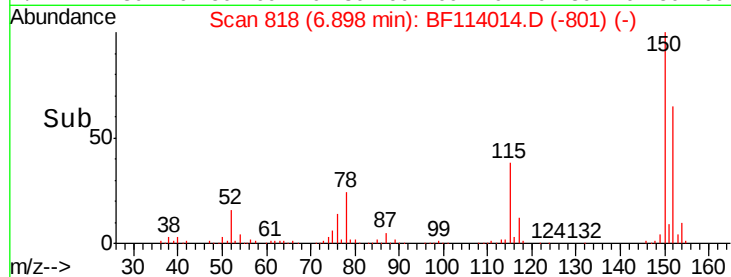
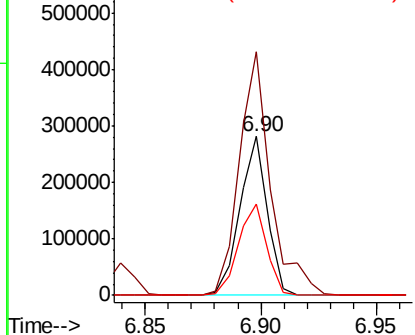


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

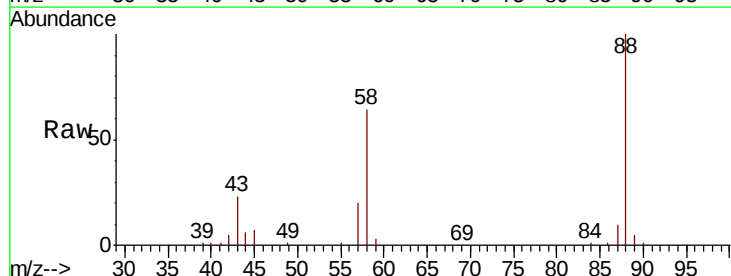
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 20.031 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.03 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.8	53.3	79.9
43	24.7	19.0	28.4

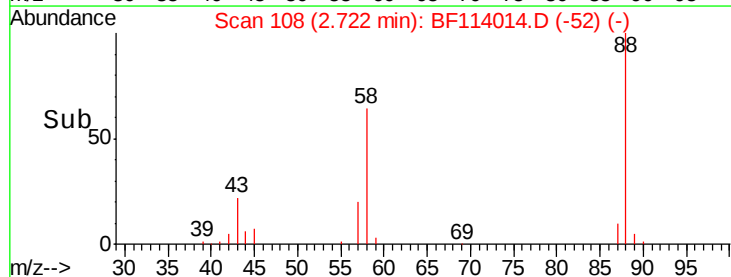
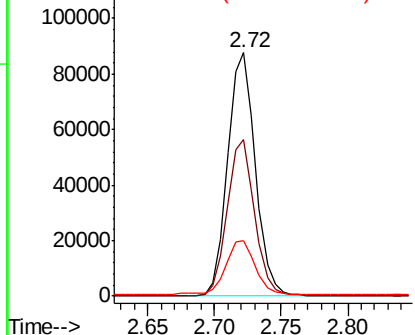


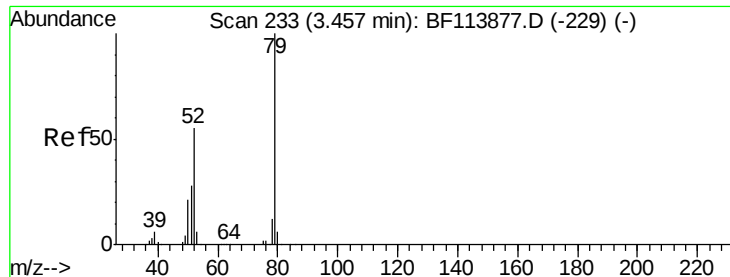
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 20.410 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.03 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

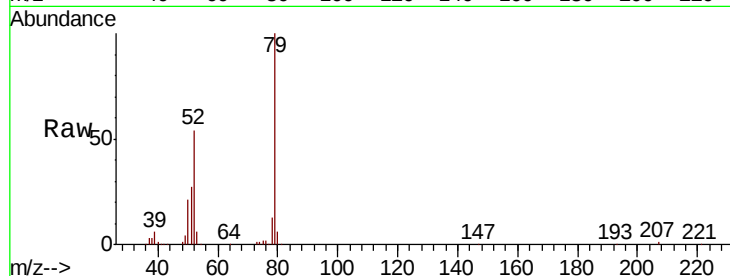
ClientSampleId :

114-PENNINGTONMSD

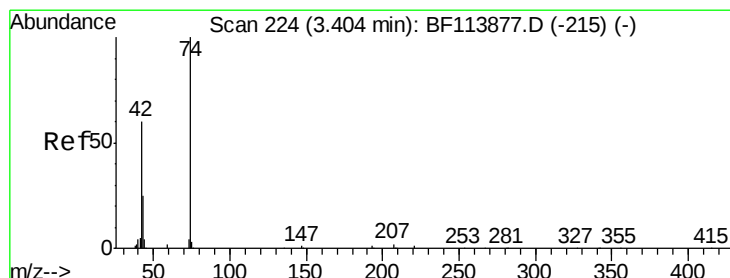
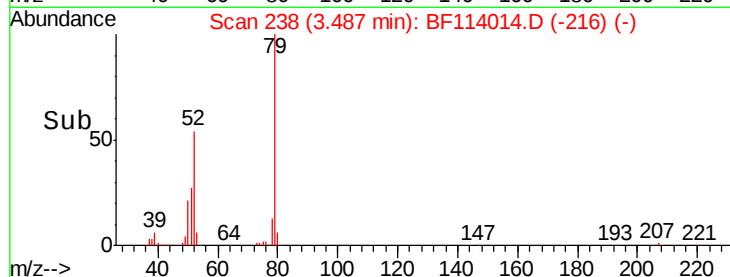
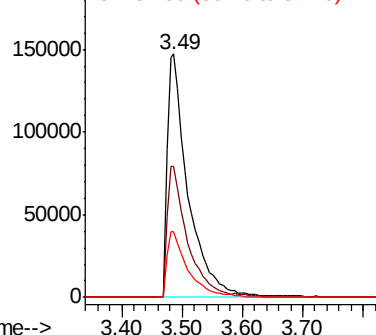
Tgt Ion:	79	Resp:	355187
Ion Ratio	Lower	Upper	
79	100		
52	53.7	45.3	67.9
51	27.1	22.1	33.1

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 22.704 ng

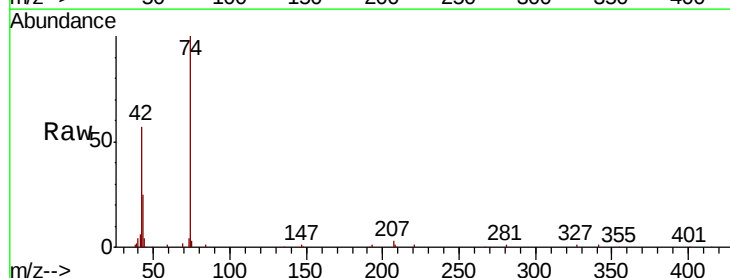
RT: 3.43 min Scan# 228

Delta R.T. 0.02 min

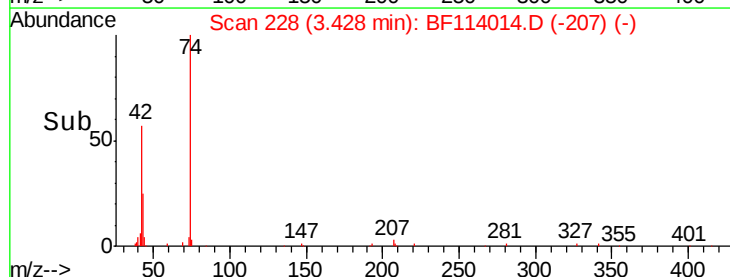
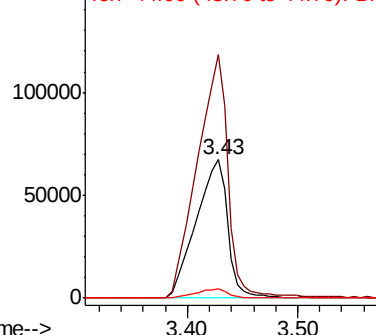
Lab File: BF114014.D

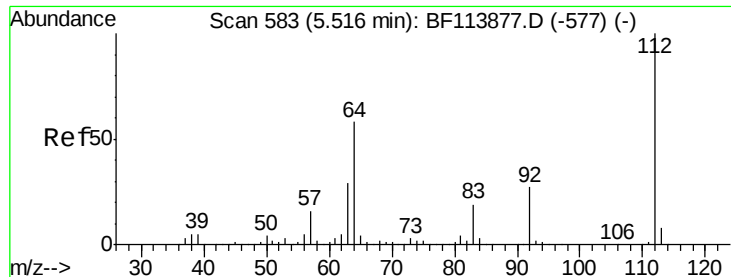
Acq: 26 Apr 2019 17:16

Tgt Ion:	42	Resp:	135252
Ion Ratio	Lower	Upper	
42	100		
74	176.2	132.6	198.8
44	6.5	5.8	8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





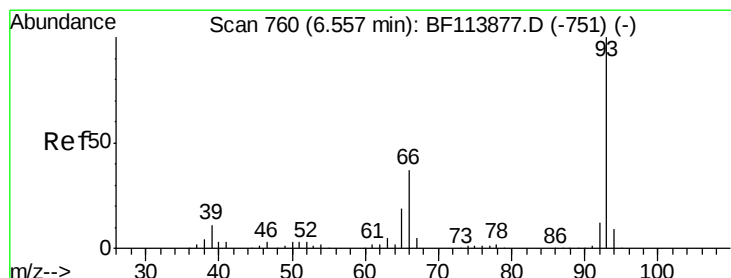
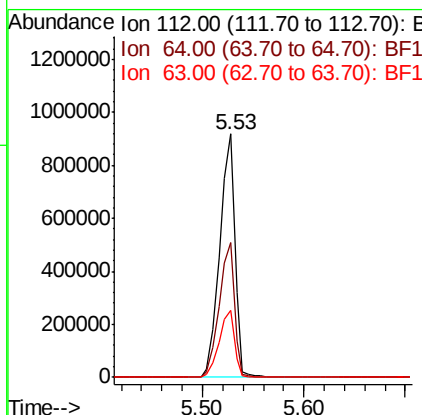
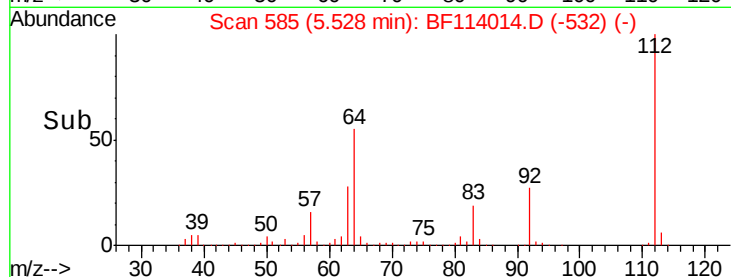
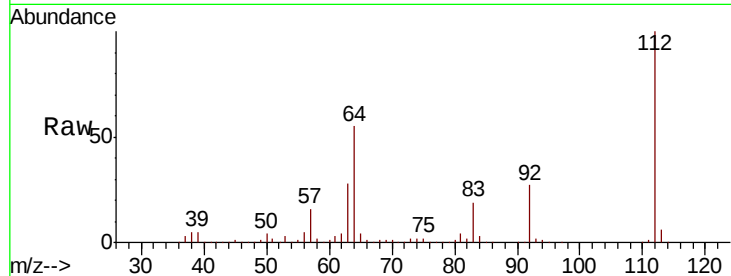
#5
 2-Fluorophenol
 Concen: 70.979 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
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 114-PENNINGTONMSD

Tgt Ion:	112	Resp:	960001
Ion Ratio	Lower	Upper	
112	100		
64	55.4	46.6	69.8
63	27.6	23.1	34.7

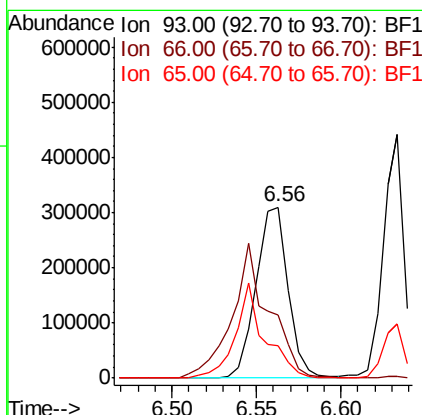
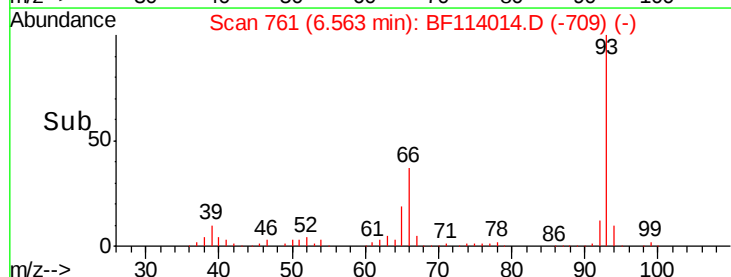
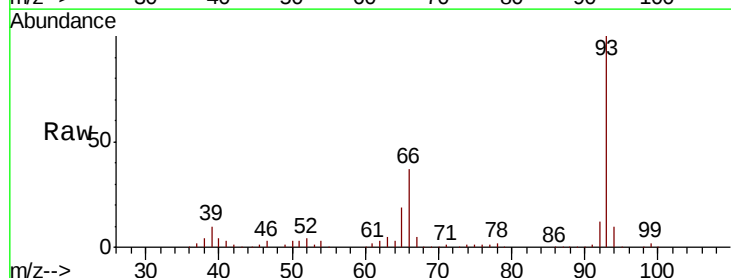
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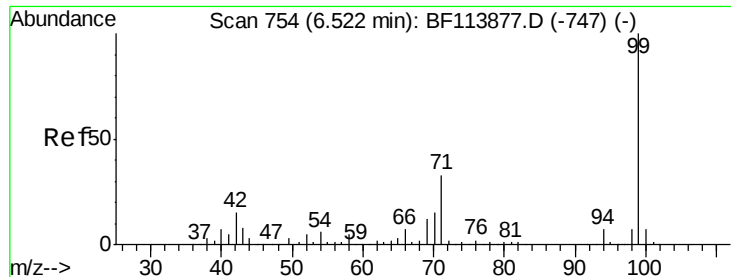
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#6
 Aniline
 Concen: 17.608 ng
 RT: 6.56 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion:	93	Resp:	410289
Ion Ratio	Lower	Upper	
93	100		
66	36.6	29.8	44.6
65	18.7	14.9	22.3





#7

Phenol-d6

Concen: 74.928 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion: 99 Resp: 1271459

Ion Ratio Lower Upper

99 100

42 15.3 12.5 18.7

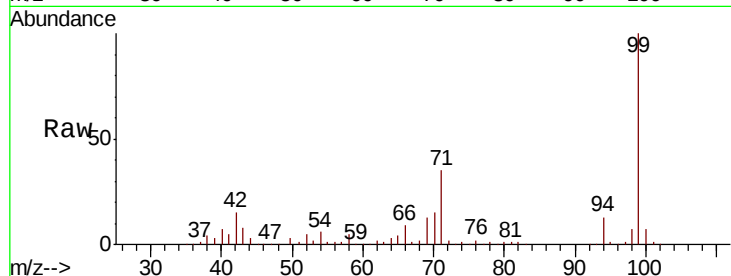
71 34.9 26.9 40.3

Manual Integrations

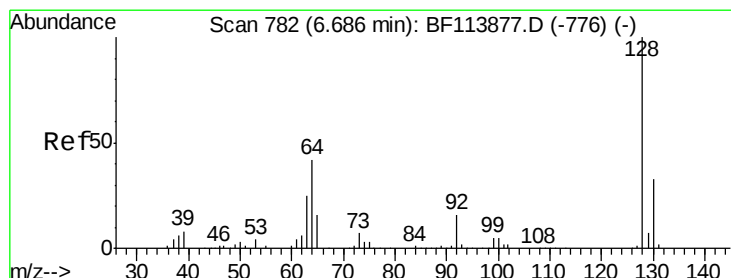
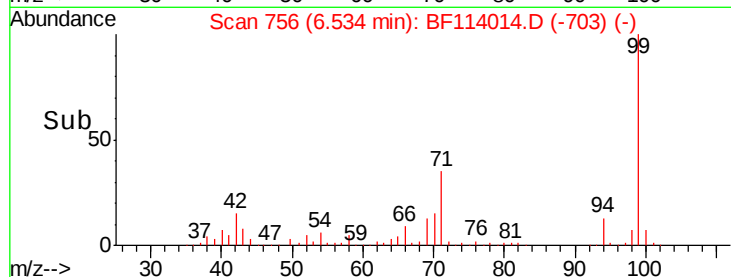
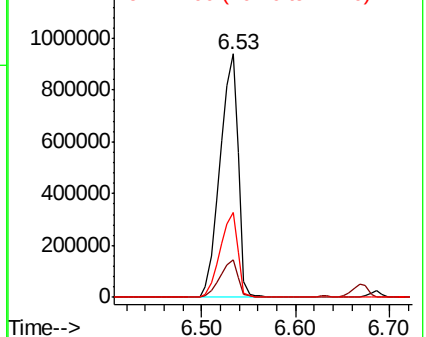
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 24.679 ng

RT: 6.69 min Scan# 782

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

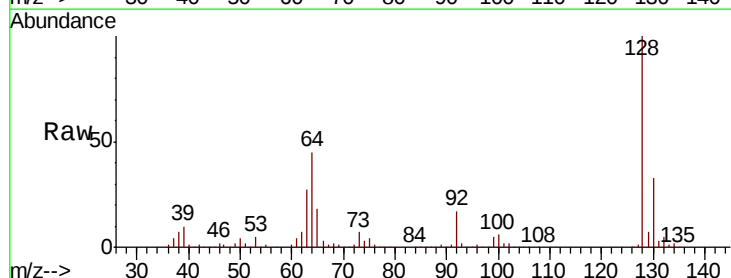
Tgt Ion: 128 Resp: 381083

Ion Ratio Lower Upper

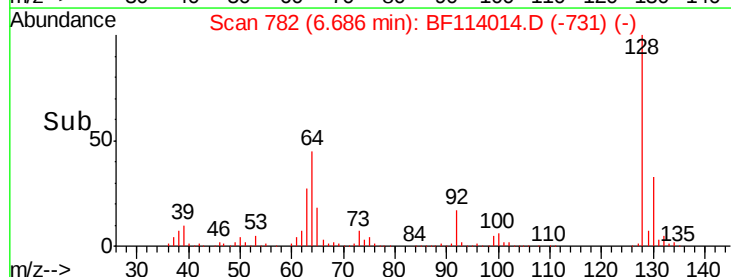
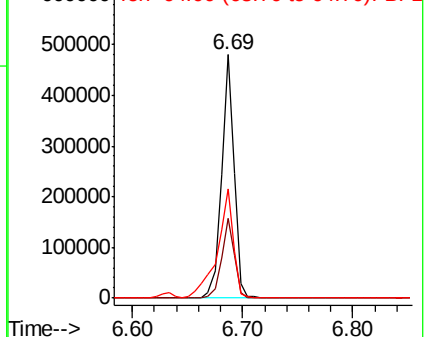
128 100

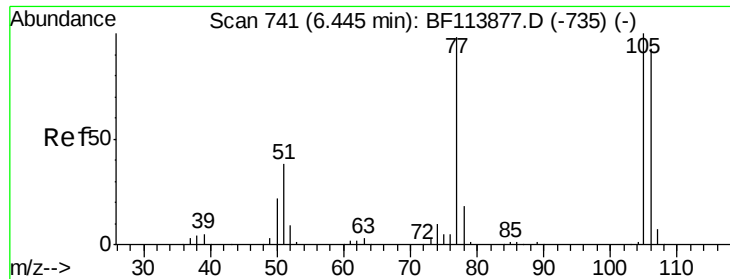
130 32.6 12.3 52.3

64 44.9 26.1 66.1



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: 5.192 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

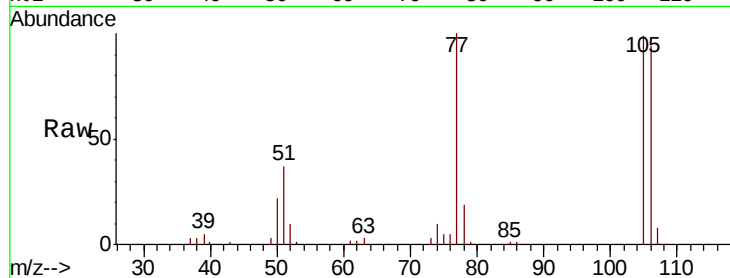
ClientSampleId :

114-PENNINGTONMSD

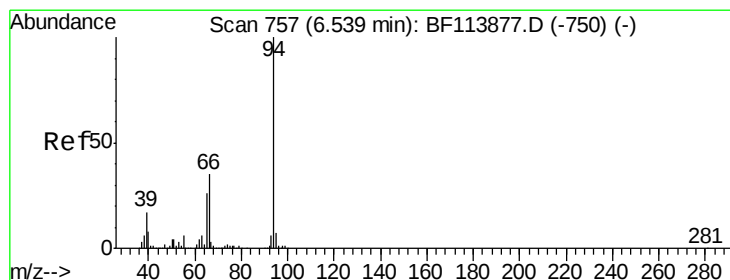
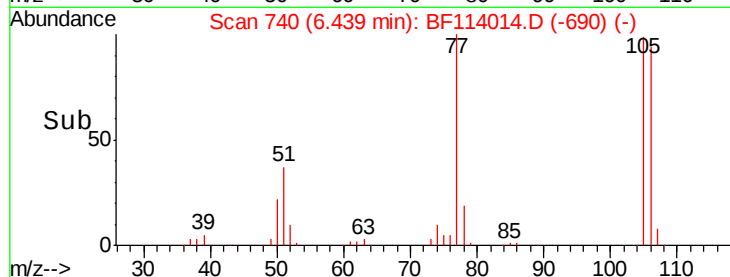
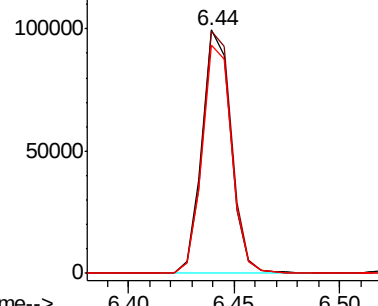
Tgt Ion:	77	Resp:	93396
Ion	Ratio	Lower	Upper
77	100		
105	99.4	74.1	114.1
106	93.5	70.3	110.3

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Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 24.173 ng

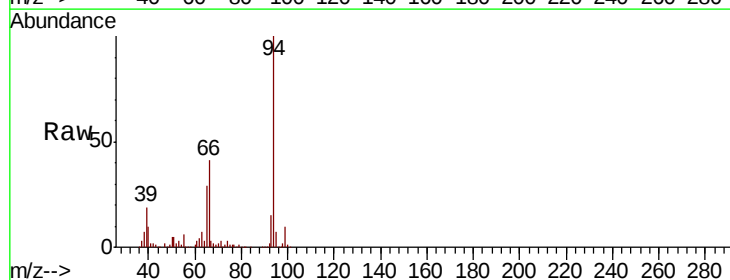
RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

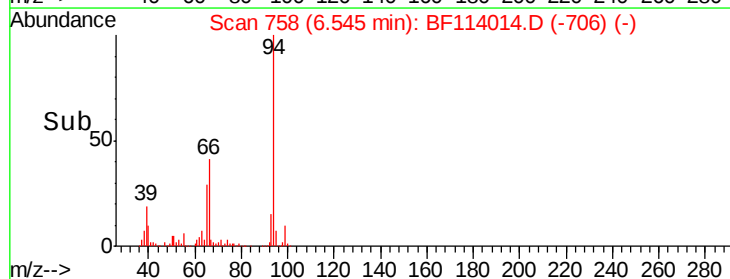
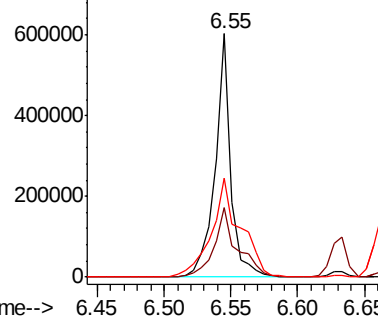
Lab File: BF114014.D

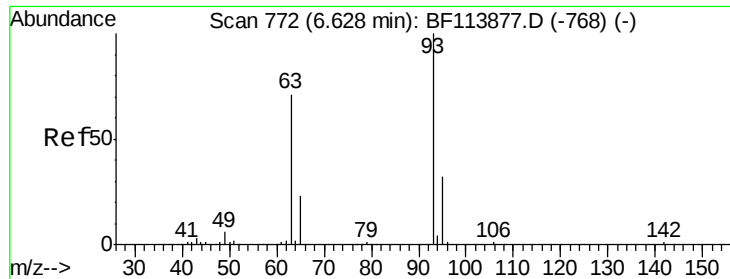
Acq: 26 Apr 2019 17:16

Tgt Ion:	94	Resp:	490491
Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.1	48.1
66	40.6	16.6	56.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





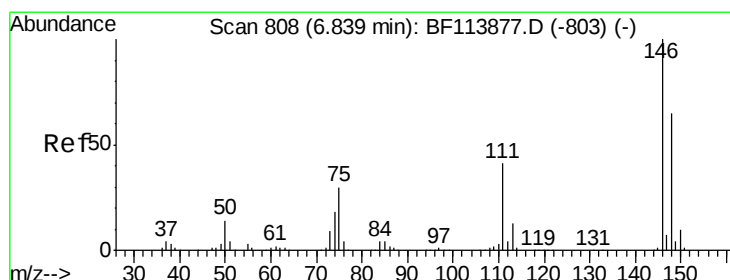
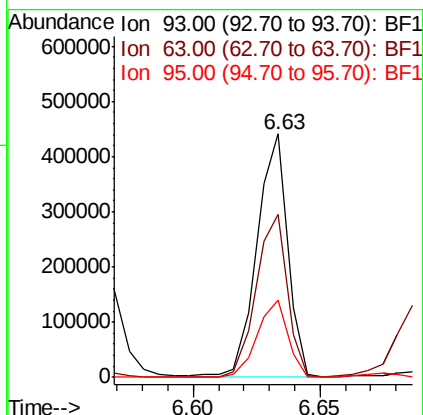
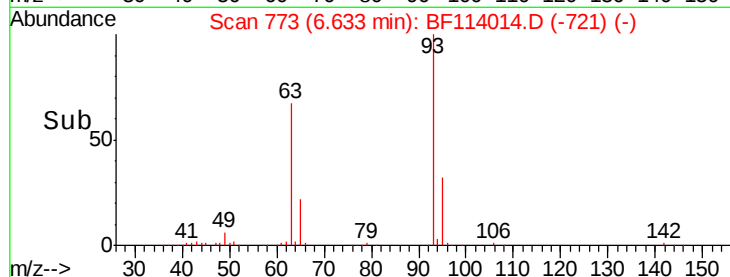
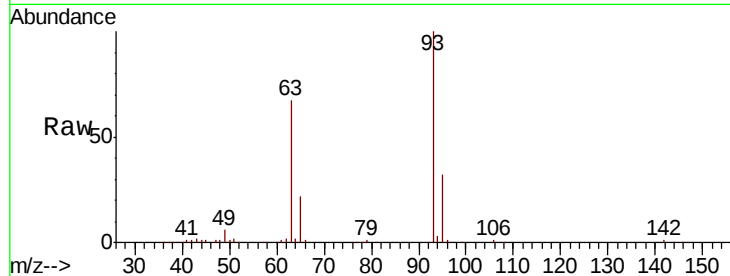
#11
bis(2-Chloroethyl)ether
Concen: 24.408 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	67.0	50.7	90.7
95	31.7	12.3	52.3

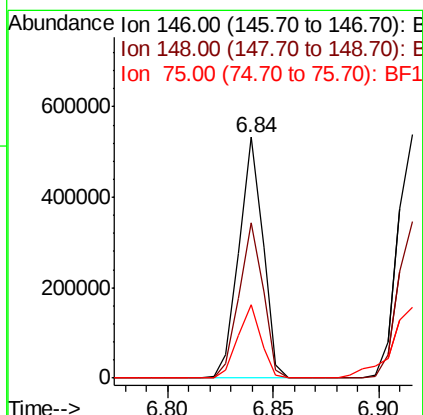
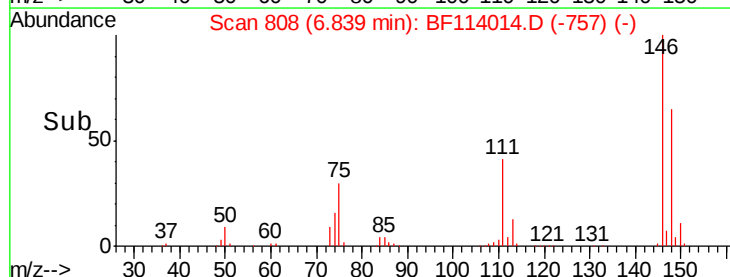
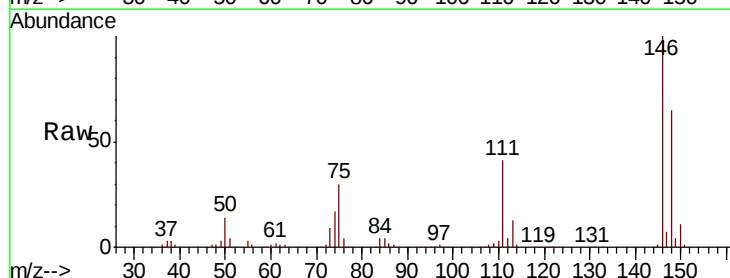
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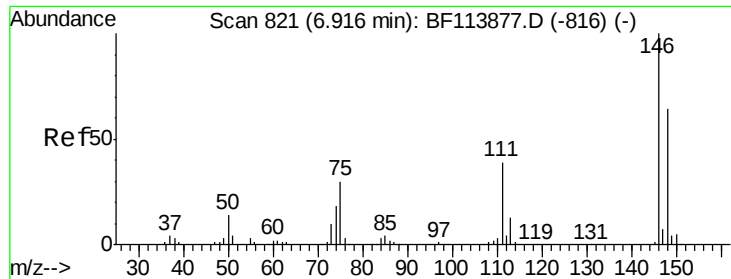
Sohil
4/27/2019 2:36:53 AM



#12
1,3-Dichlorobenzene
Concen: 23.932 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
75	30.5	23.8	35.8





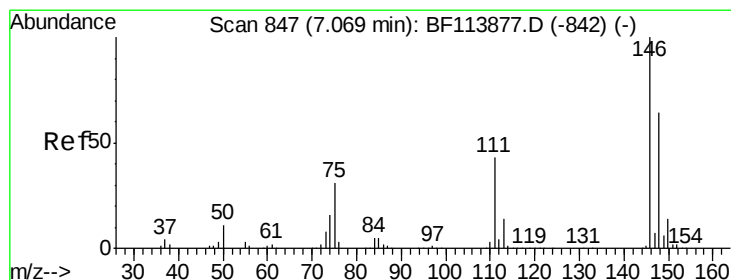
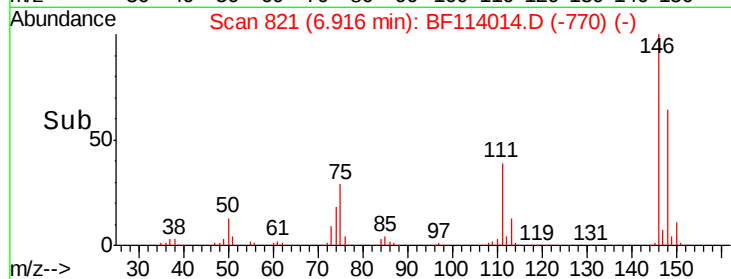
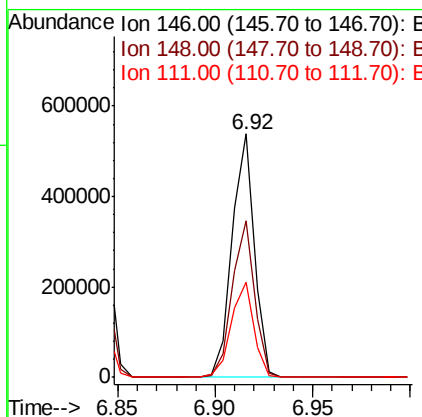
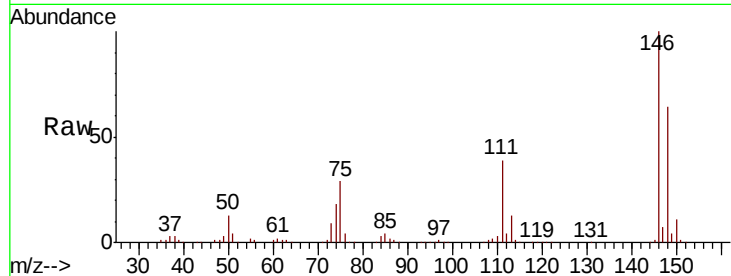
#13
 1,4-Dichlorobenzene
 Concen: 24.270 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	39.2	30.9	46.3

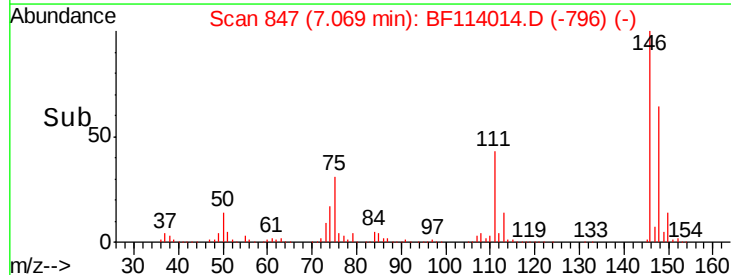
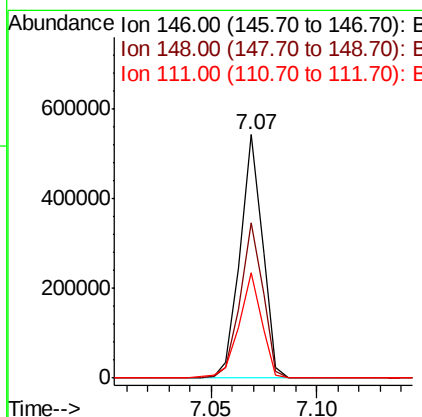
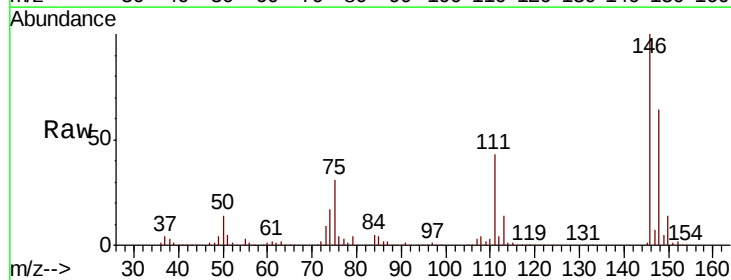
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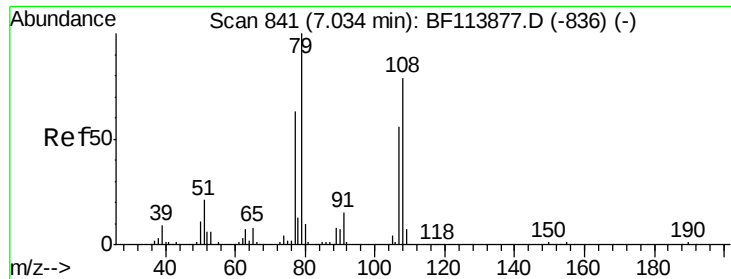
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 24.643 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.1	78.1
111	43.1	34.2	51.4





#15

Benzyl Alcohol

Concen: 28.557 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

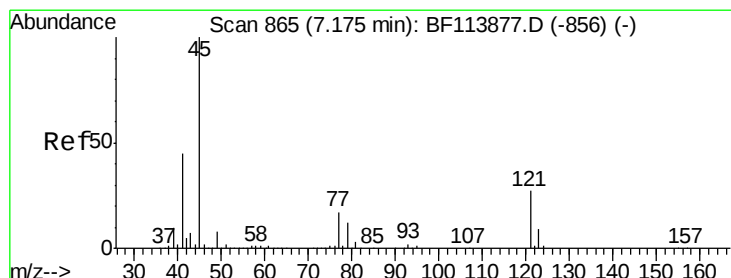
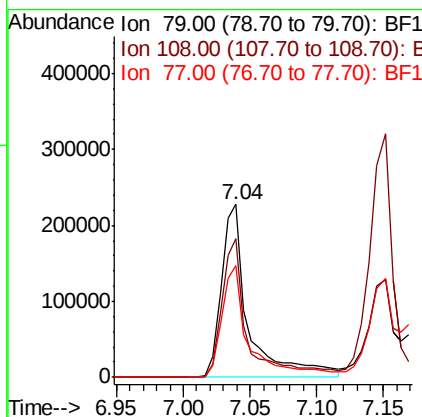
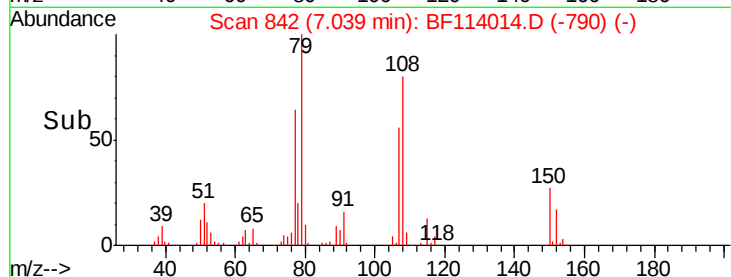
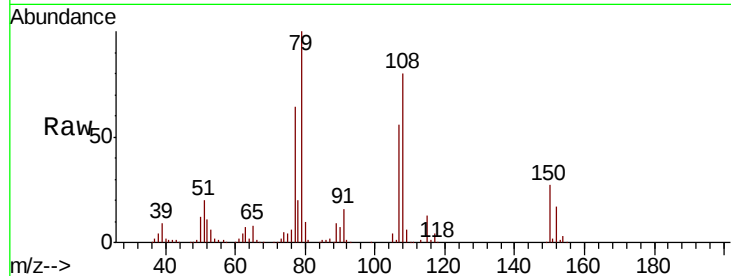
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	79	Resp:	326363
Ion Ratio	Lower	Upper	
79	100		
108	80.2	61.4	92.0
77	64.3	51.6	77.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 23.628 ng

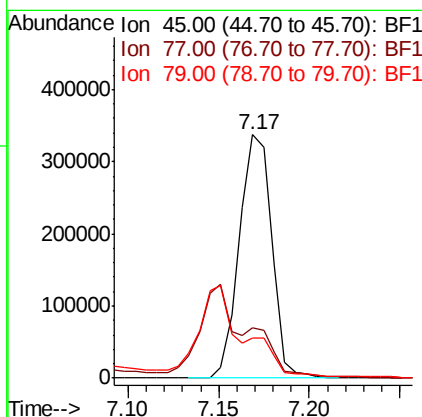
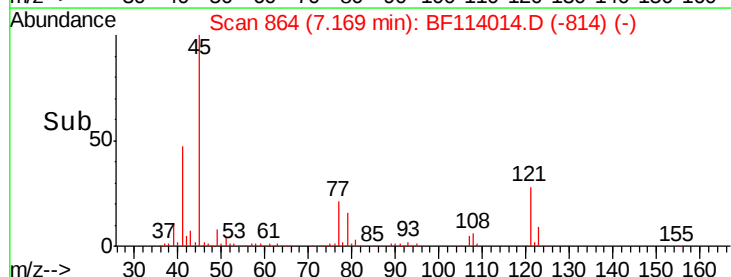
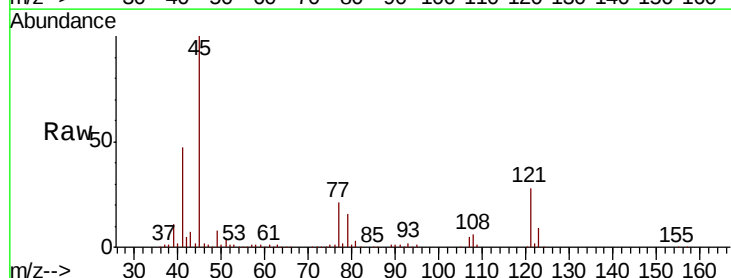
RT: 7.17 min Scan# 864

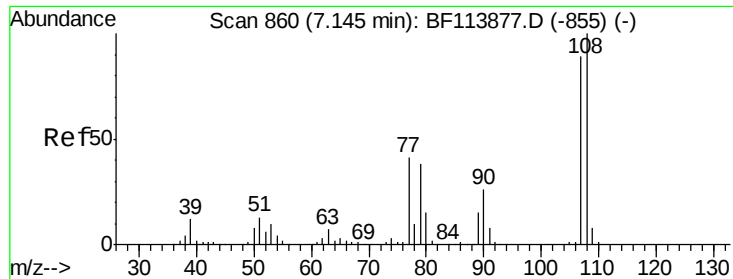
Delta R.T. -0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion:	45	Resp:	421151
Ion Ratio	Lower	Upper	
45	100		
77	20.5	0.0	37.0
79	16.4	0.0	32.7





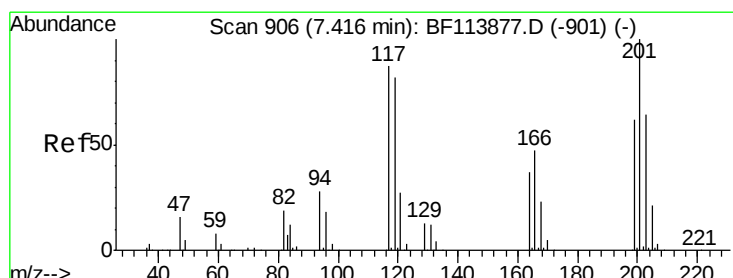
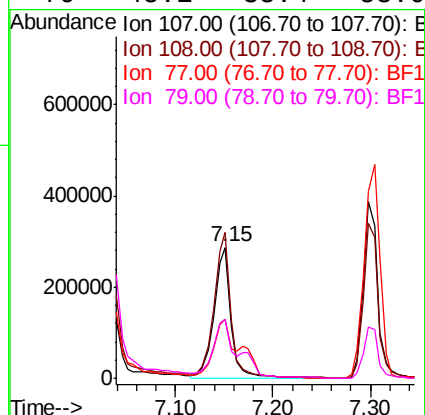
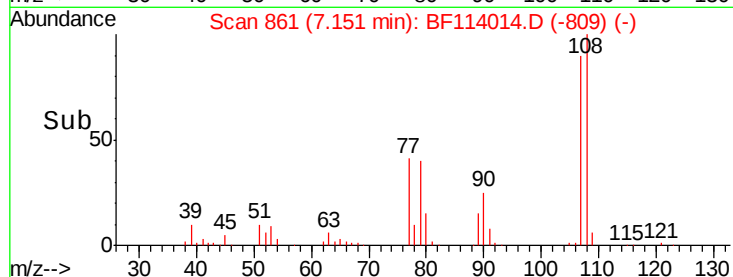
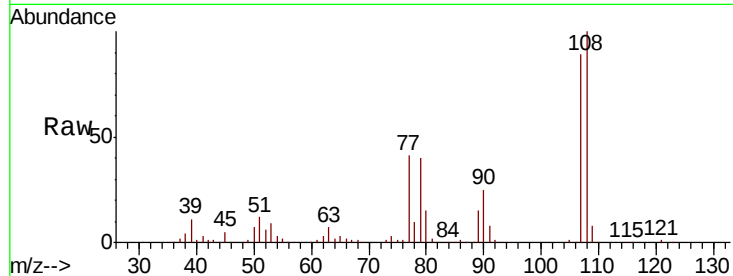
#17
2-Methylphenol
Concen: 25.335 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	342925		
108	111.9	91.5	137.3	
77	45.4	36.2	54.4	
79	45.1	35.4	53.0	

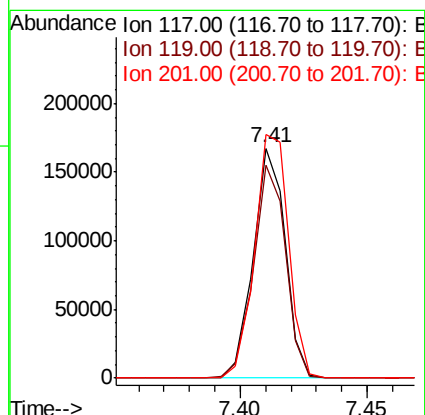
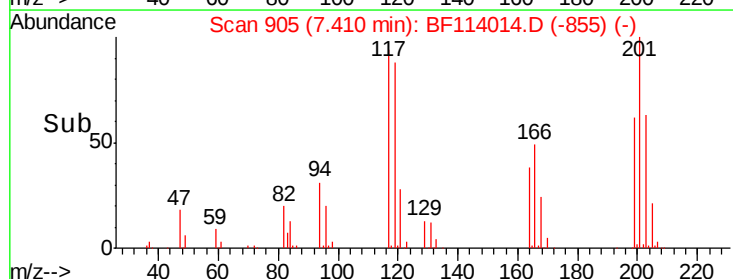
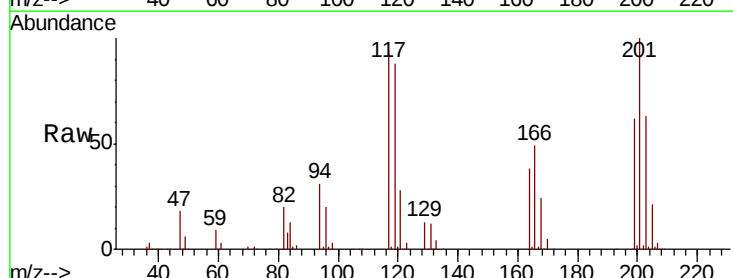
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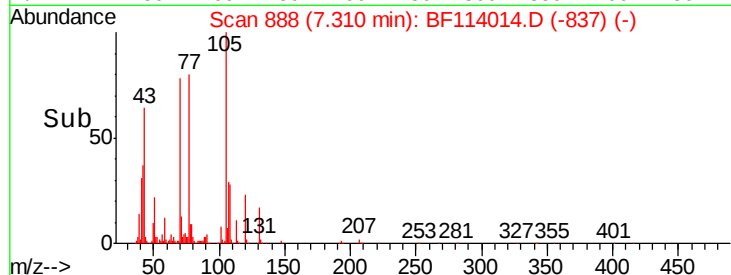
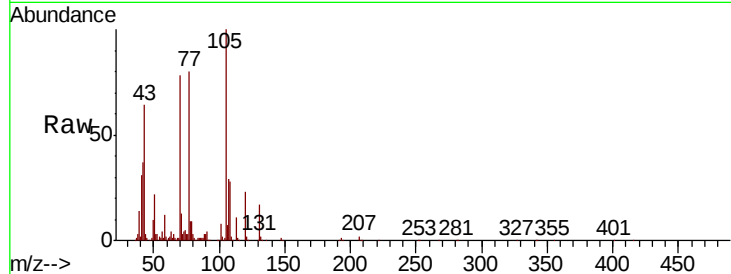
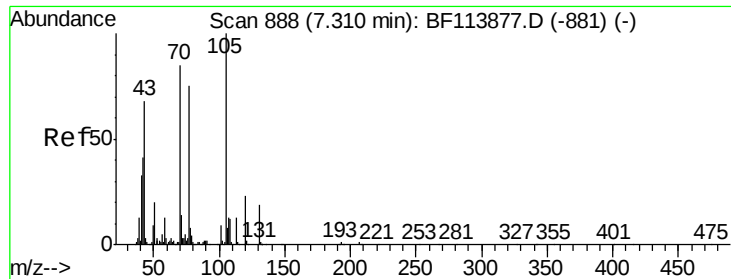
Sohil
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#18
Hexachloroethane
Concen: 23.946 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	147657		
119	92.8	74.4	111.6	
201	105.9	90.2	135.2	





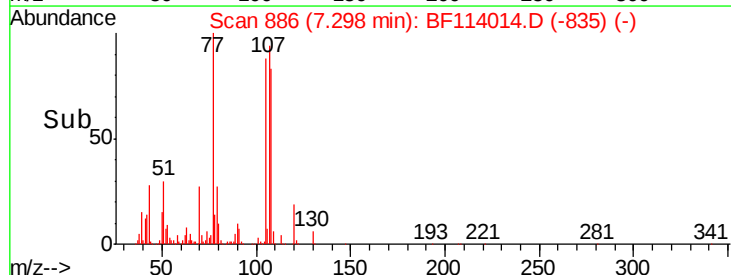
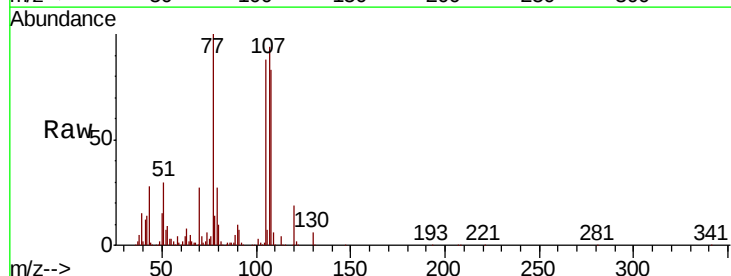
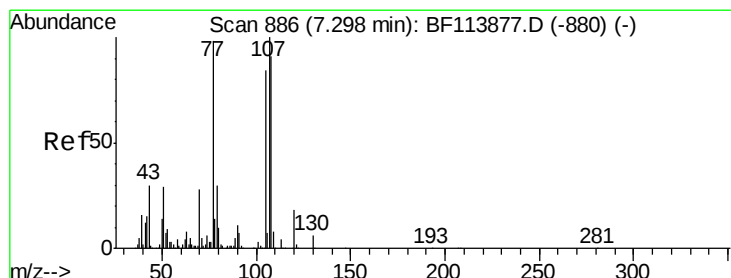
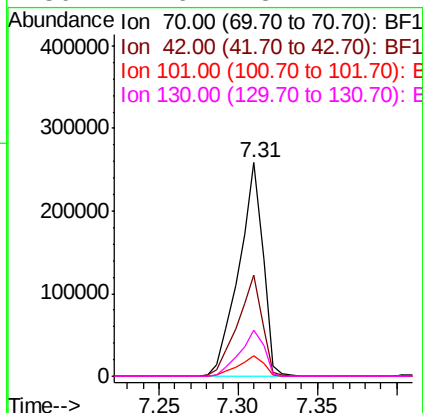
#19
n-Nitroso-di-n-propylamine
Concen: 24.785 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.5	37.3	55.9
101	9.8	7.8	11.8
130	21.6	18.2	27.2

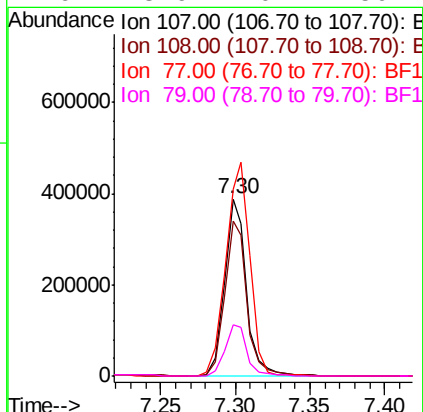
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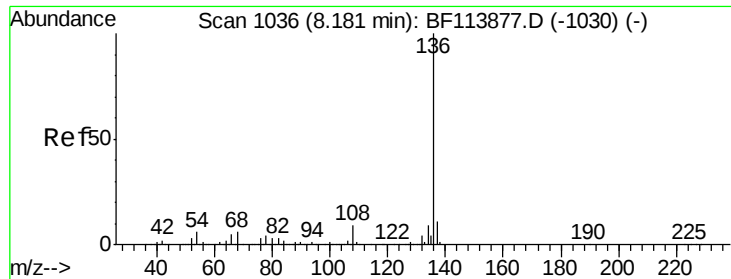
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#20
3+4-Methylphenols
Concen: 25.922 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.8	70.1	110.1
77	105.9	52.9	92.9#
79	28.9	10.2	50.2





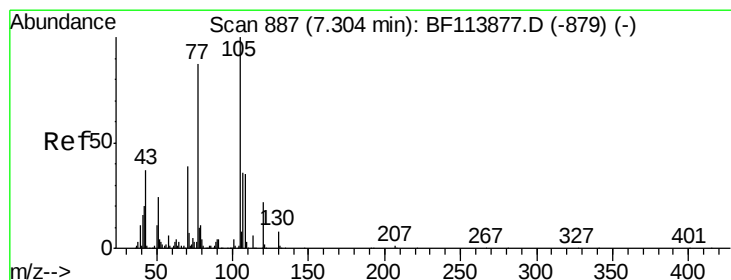
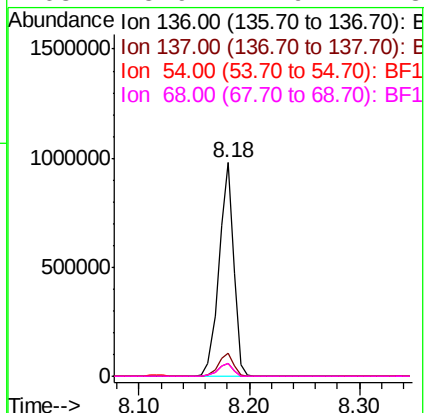
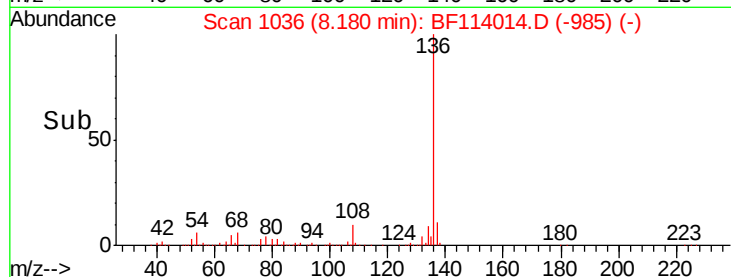
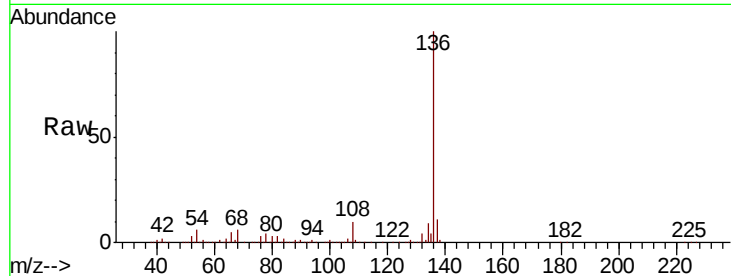
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	902613		
137	10.9	8.6	12.8	
54	6.3	5.0	7.6	
68	5.9	4.9	7.3	

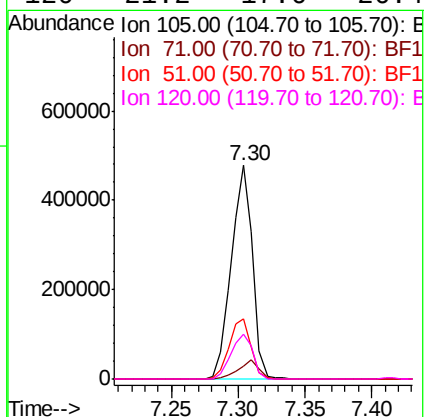
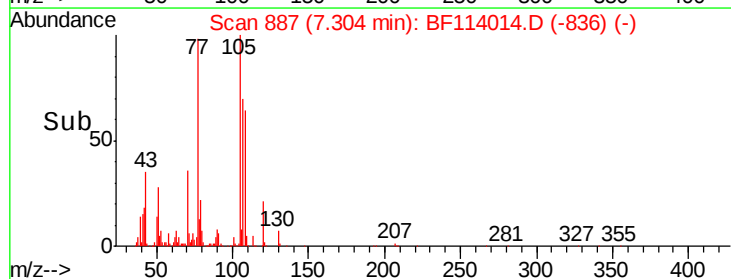
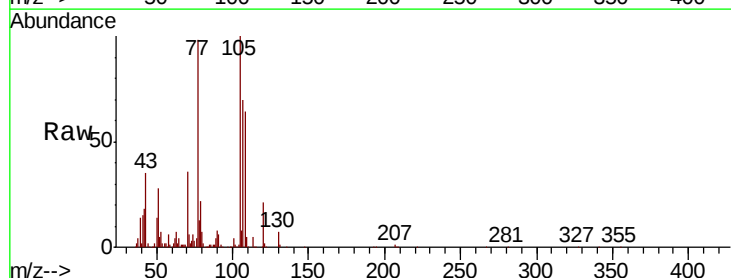
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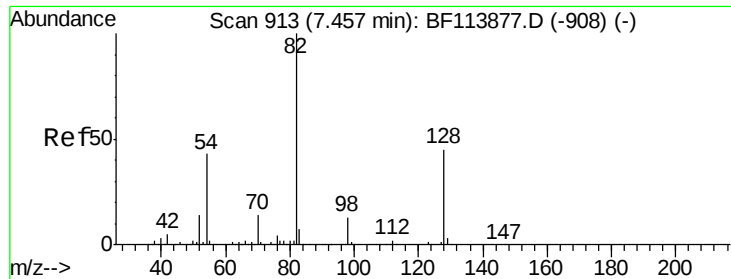
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#22
Acetophenone
Concen: 26.619 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	534676		
71	5.9	6.1	9.1#	
51	28.2	16.8	25.2#	
120	21.2	17.6	26.4	





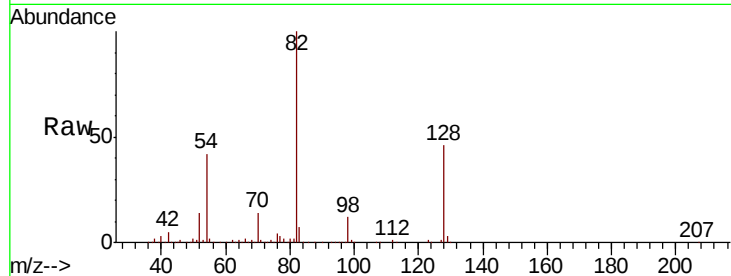
#23
 Nitrobenzene-d5
 Concen: 53.426 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

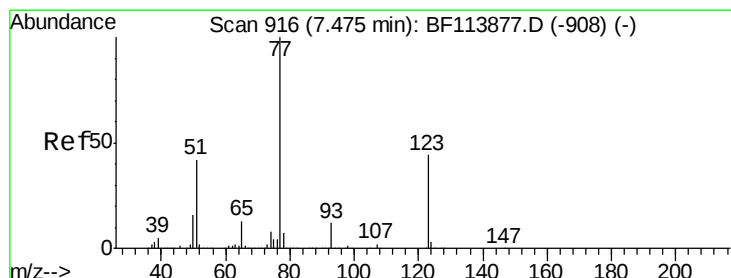
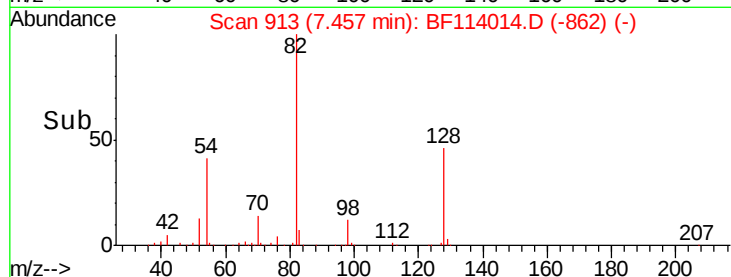
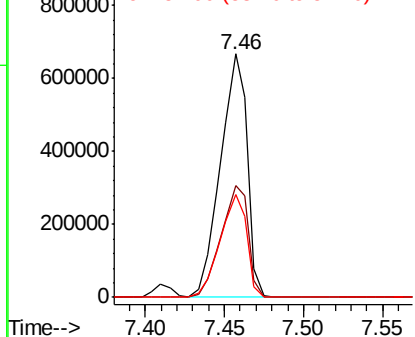
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.8	55.2
54	42.0	33.8	50.6

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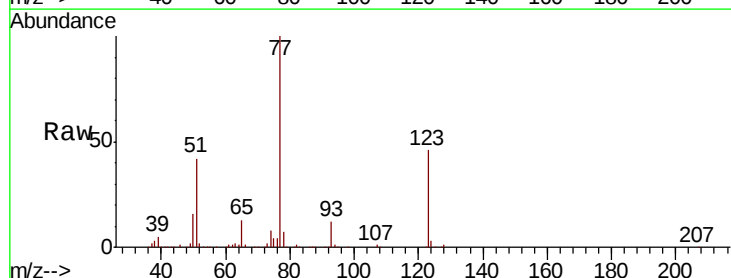


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

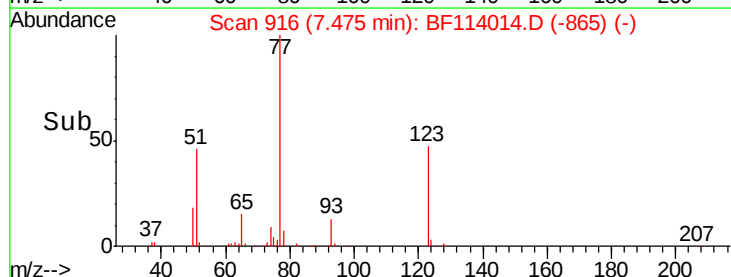
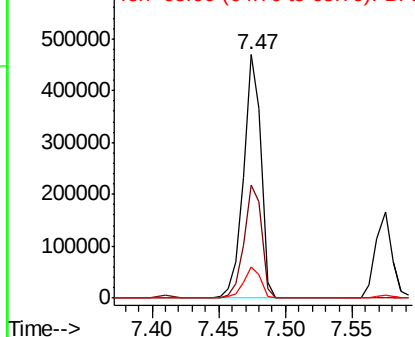


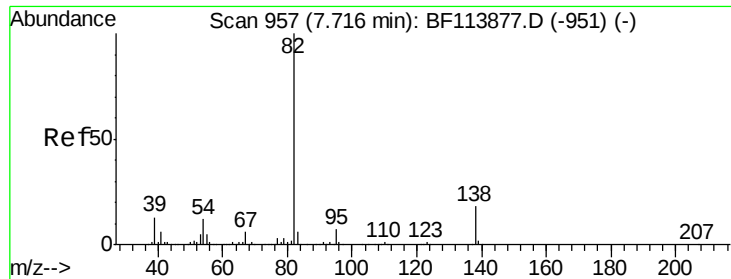
#24
 Nitrobenzene
 Concen: 26.010 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.3	54.5
65	12.9	10.3	15.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 25.424 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

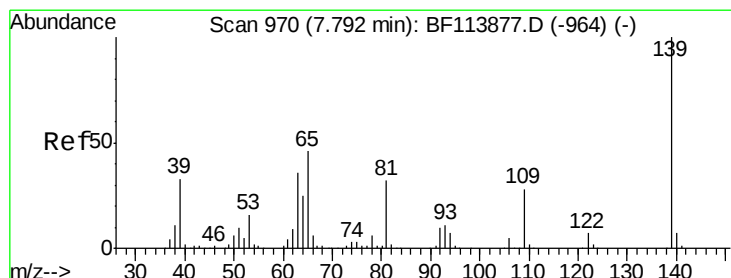
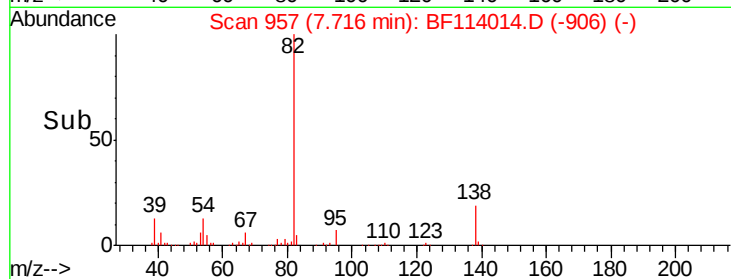
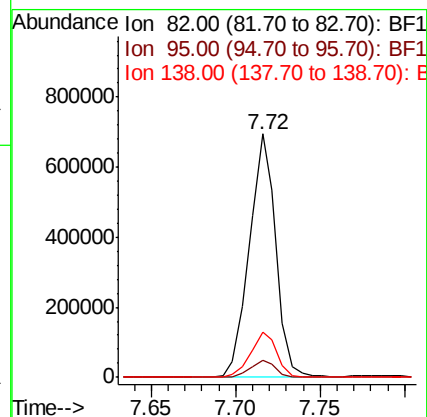
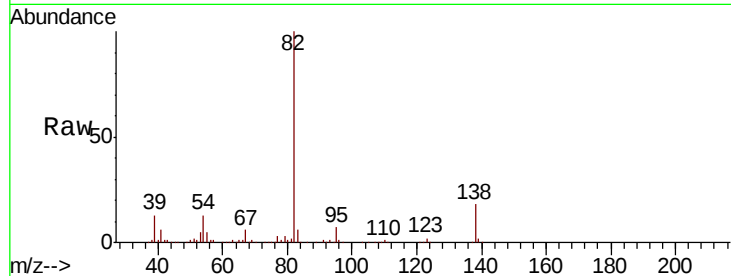
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	82	Resp:	760490
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.4	8.2
138	18.3	14.6	22.0

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#26

2-Nitrophenol

Concen: 29.334 ng

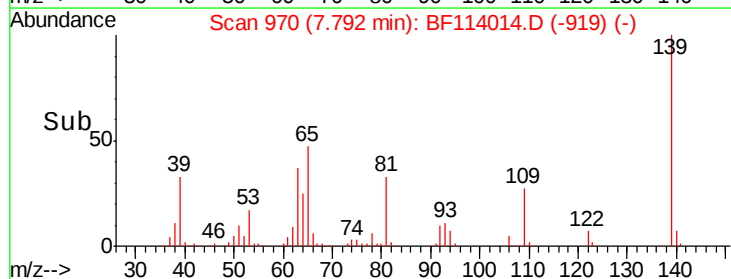
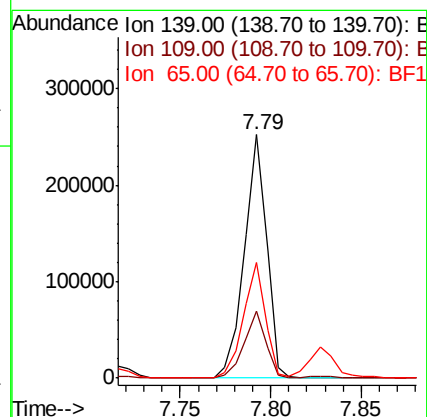
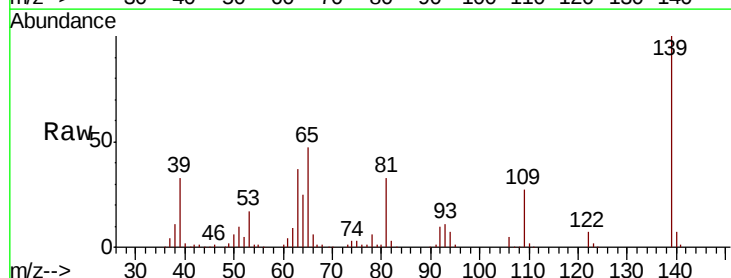
RT: 7.79 min Scan# 970

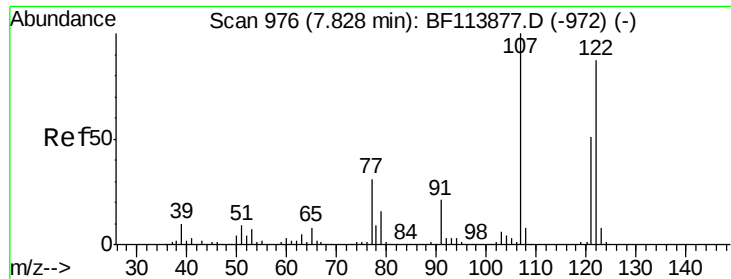
Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion:	139	Resp:	216163
Ion Ratio	Lower	Upper	
139	100		
109	27.4	20.6	31.0
65	47.3	34.6	52.0





#27

2,4-Dimethylphenol

Concen: 29.302 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

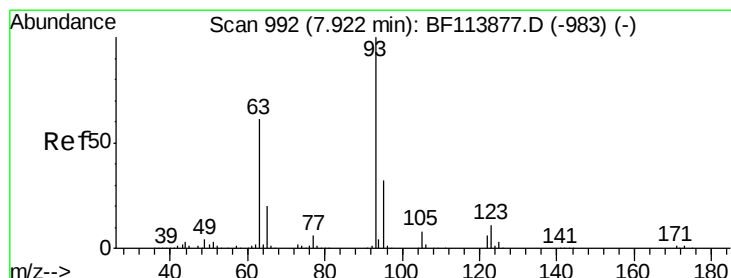
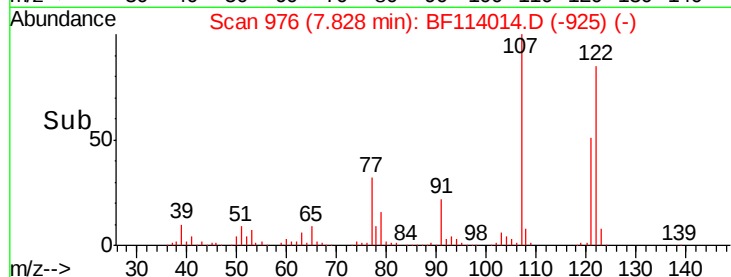
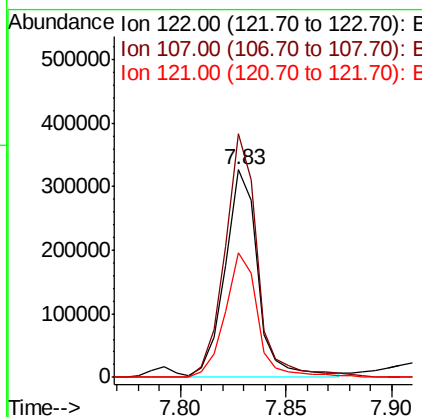
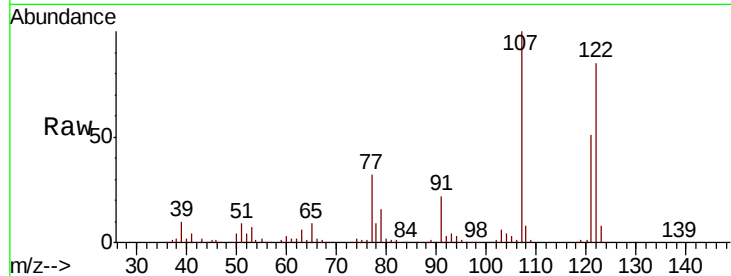
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	351809		
107	117.4	91.2	136.8	
121	60.1	46.4	69.6	

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#28

bis(2-Chloroethoxy)methane

Concen: 25.316 ng

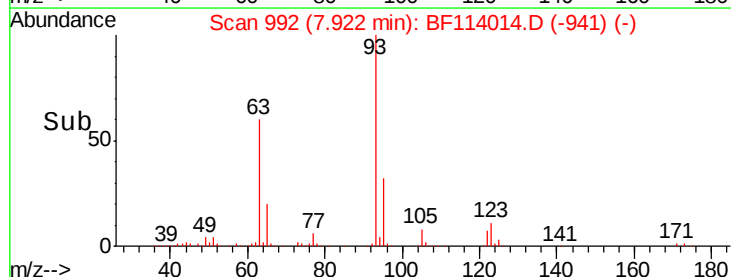
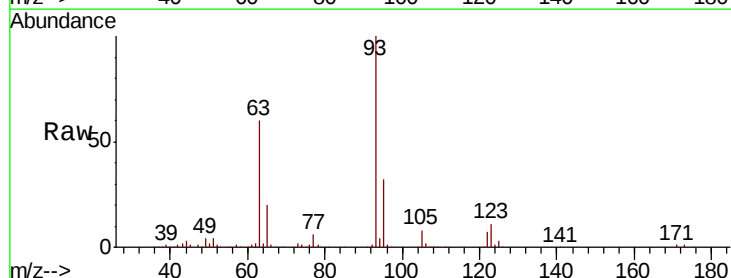
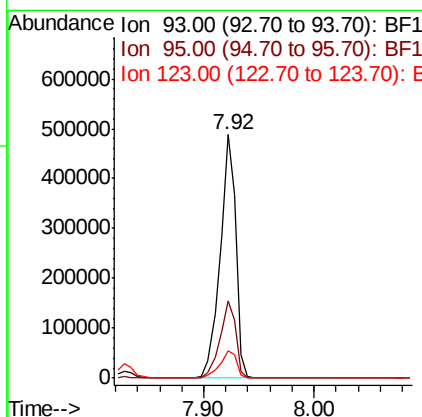
RT: 7.92 min Scan# 992

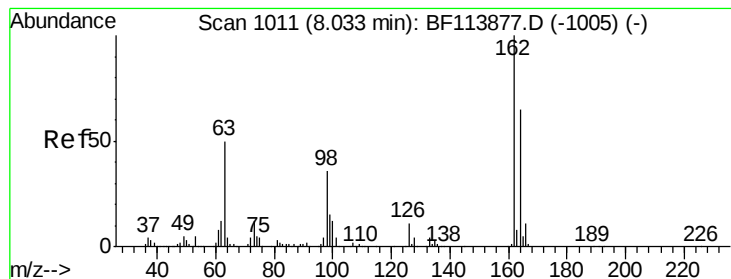
Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	482546		
95	31.9	25.8	38.6	
123	11.4	9.0	13.6	





#29

2,4-Dichlorophenol

Concen: 27.153 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

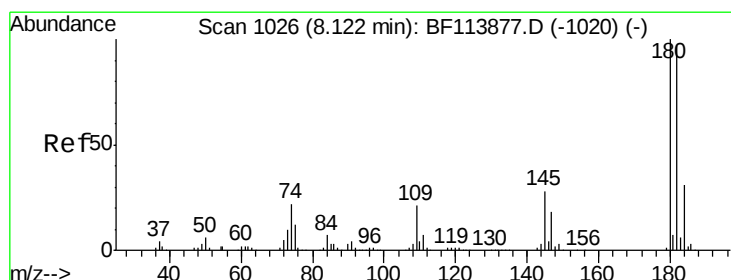
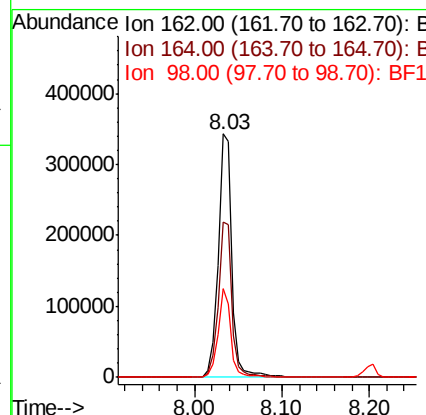
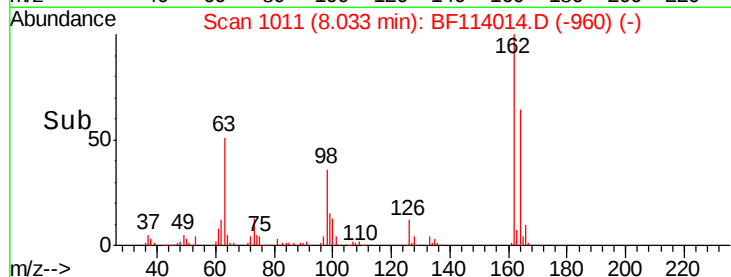
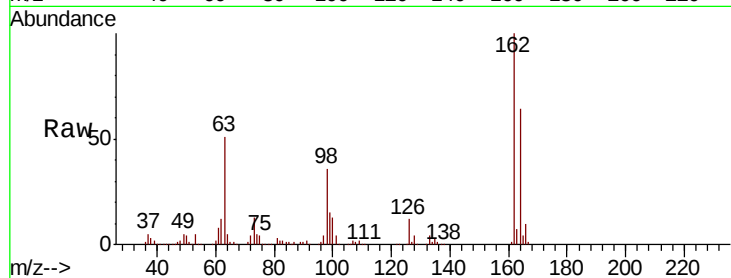
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	162	Resp:	372793
Ion Ratio	Lower	Upper	
162	100		
164	63.7	43.7	83.7
98	36.5	15.5	55.5

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#30

1,2,4-Trichlorobenzene

Concen: 25.690 ng

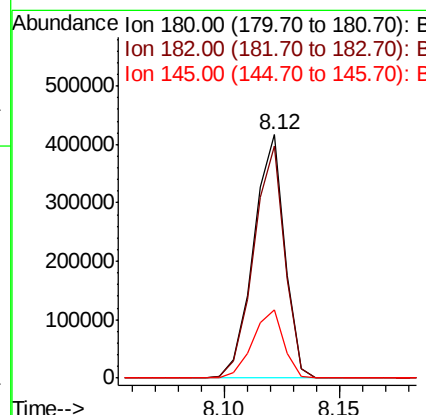
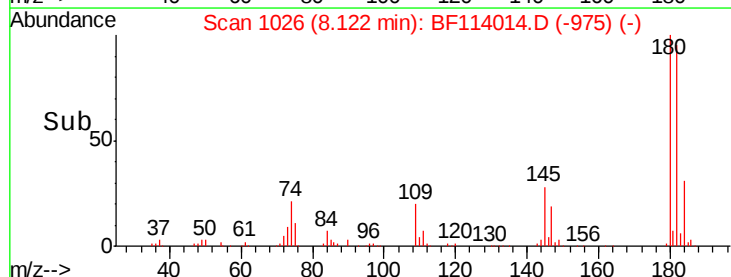
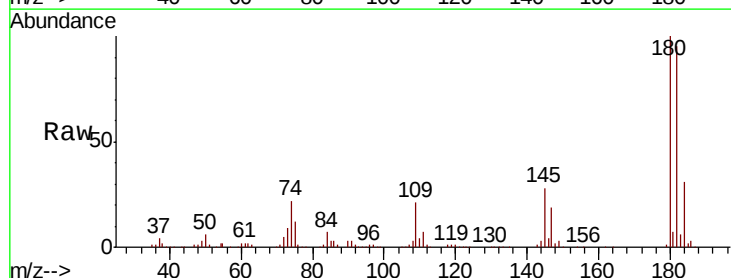
RT: 8.12 min Scan# 1026

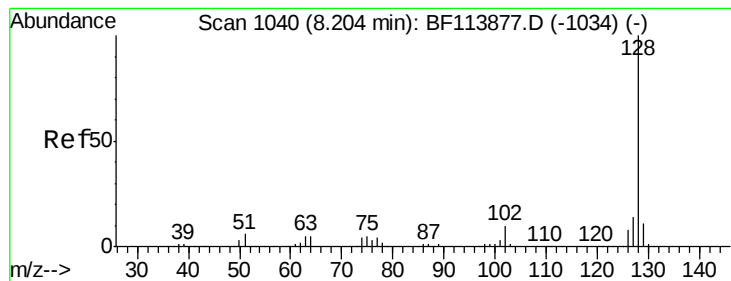
Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion:	180	Resp:	393282
Ion Ratio	Lower	Upper	
180	100		
182	95.5	75.4	113.0
145	28.0	23.0	34.4





#31

Naphthalene

Concen: 25.976 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:128 Resp: 1113835

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

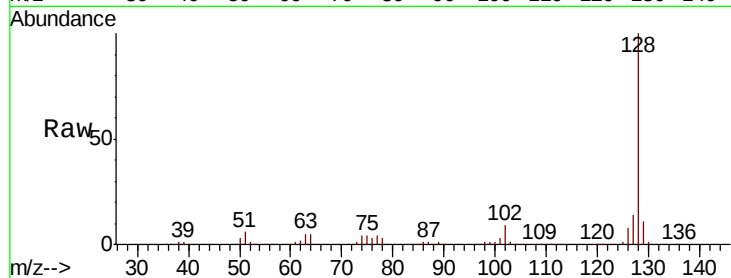
127 13.5 10.8 16.2

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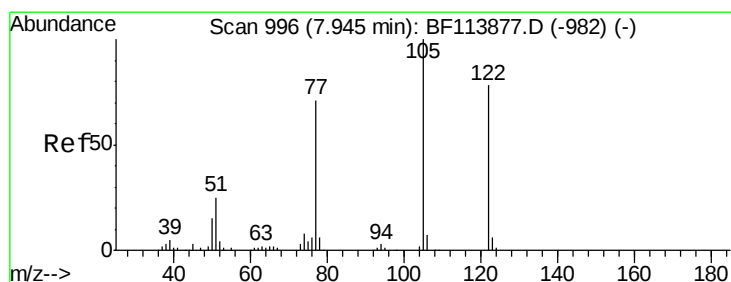
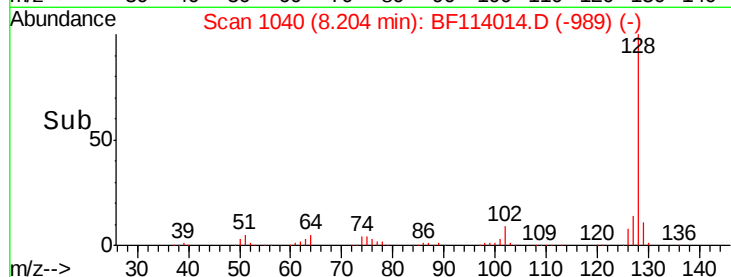
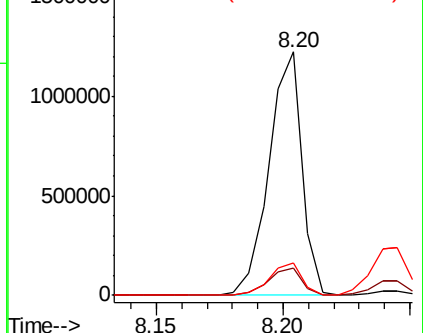
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.026 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

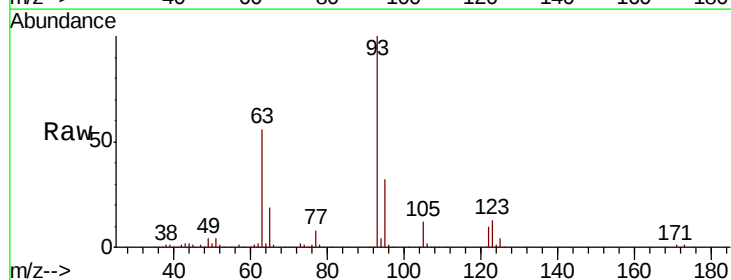
Tgt Ion:122 Resp: 81293

Ion Ratio Lower Upper

122 100

105 120.9 104.3 144.3

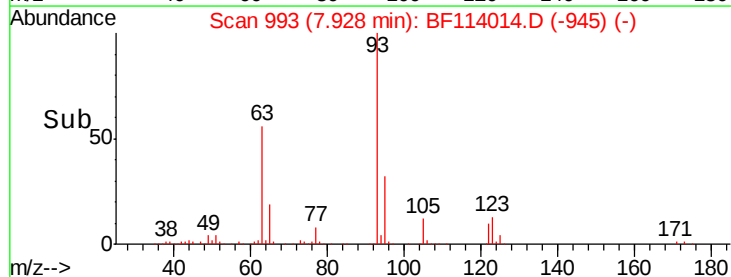
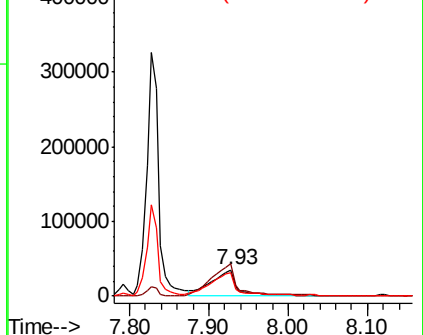
77 87.0 70.4 110.4

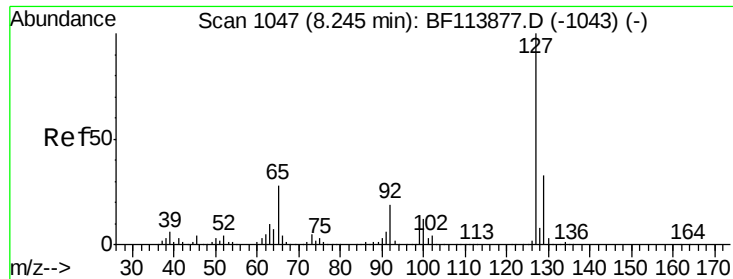


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





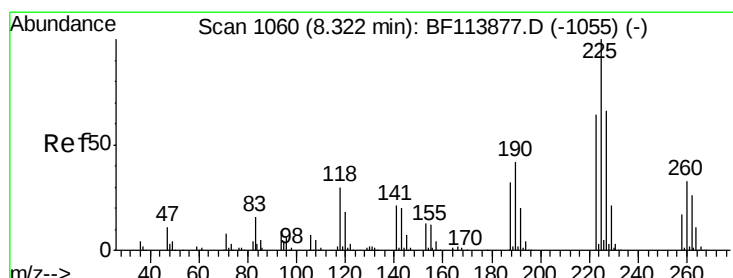
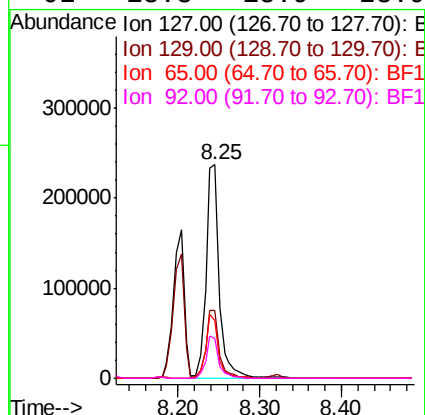
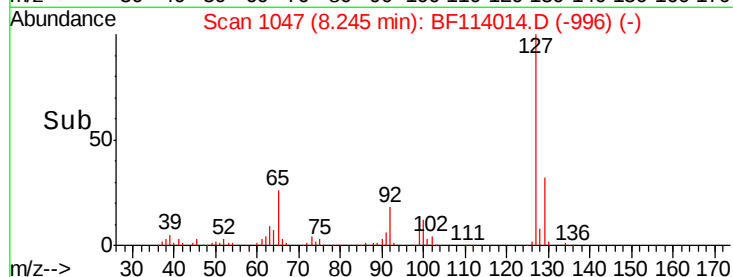
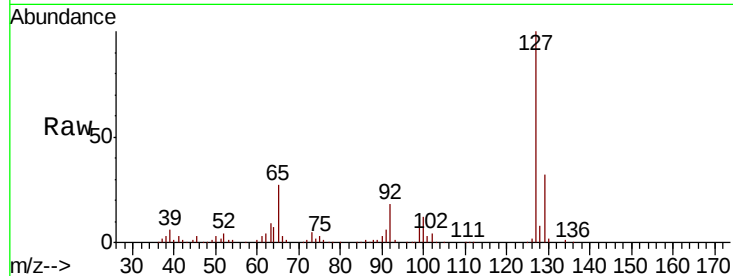
#33
4-Chloroaniline
Concen: 14.739 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	267423		
129	31.9	26.4	39.6	
65	26.7	24.9	37.3	
92	18.3	15.9	23.9	

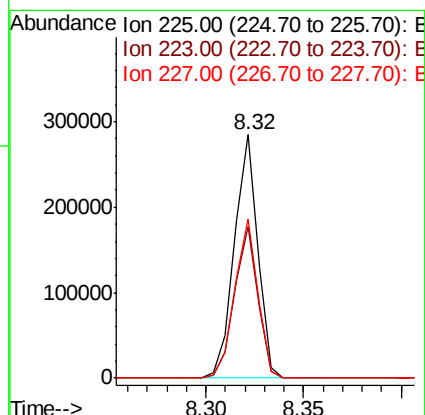
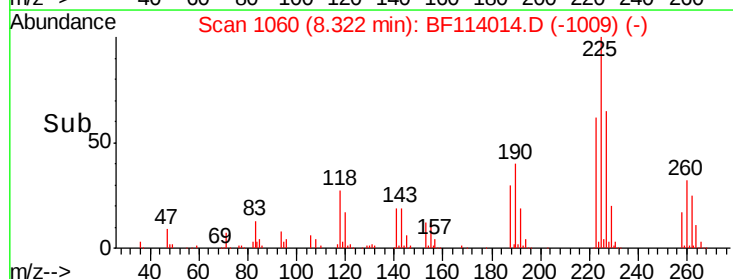
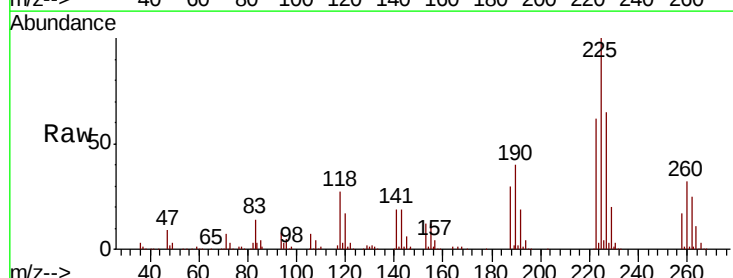
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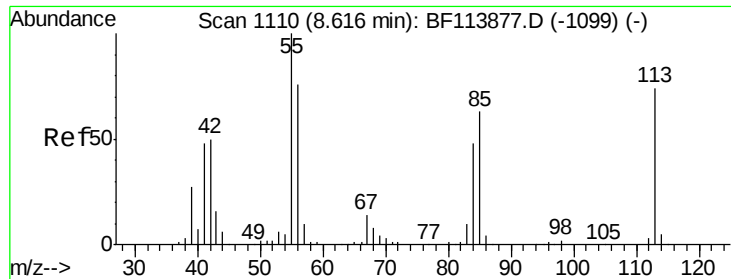
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#34
Hexachlorobutadiene
Concen: 24.743 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	236130		
223	62.0	51.1	76.7	
227	65.3	49.9	74.9	





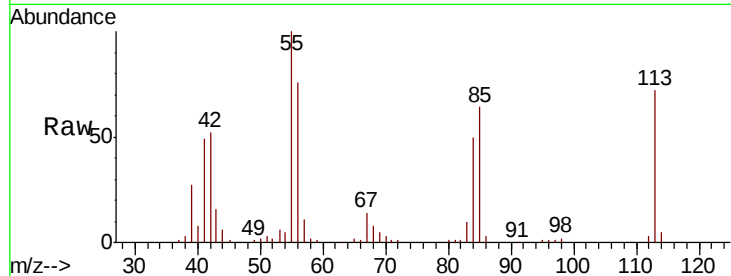
#35
 Caprolactam
 Concen: 25.219 ng m
 RT: 8.62 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	110145		
55	139.0	128.6	168.6	
56	105.4	91.9	131.9	

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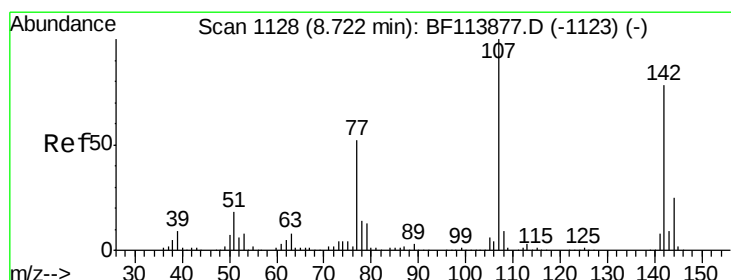
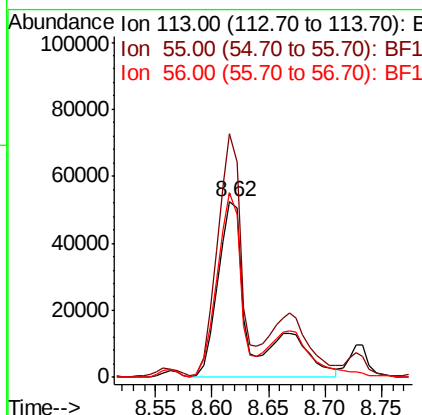
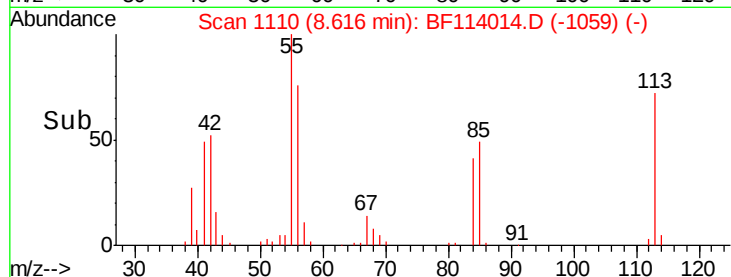


Abundance

Ion 113.00 (112.70 to 113.70): E

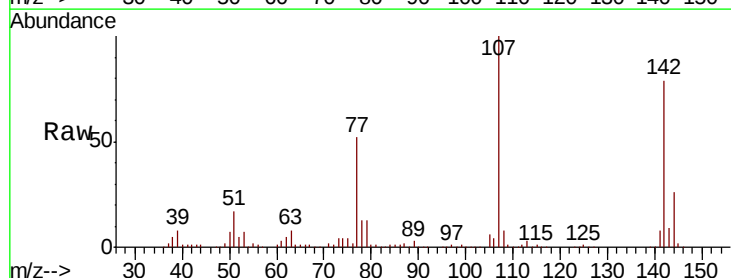
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
 4-Chloro-3-methylphenol
 Concen: 27.070 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	368214		
144	25.9	20.5	30.7	
142	79.4	64.2	96.4	

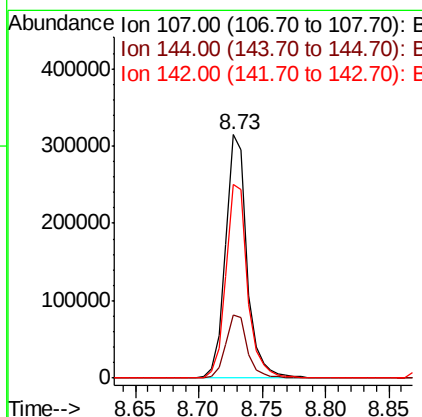
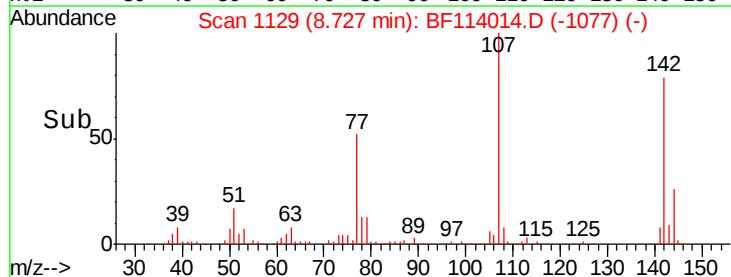


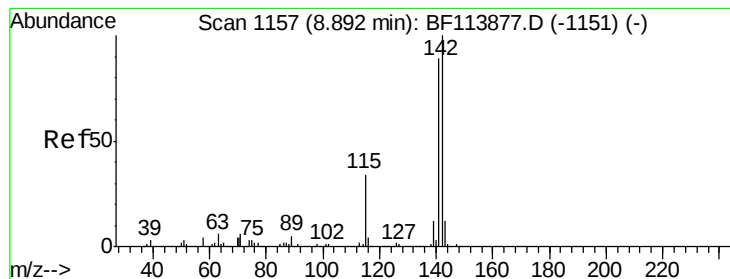
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





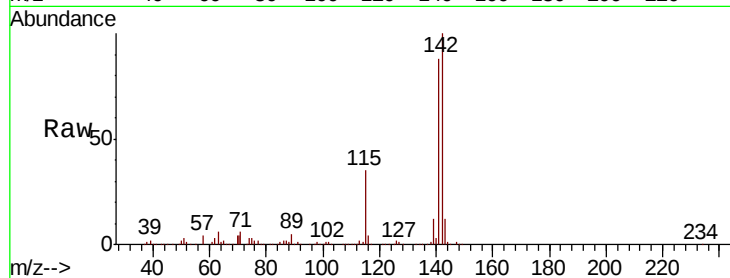
#37
2-Methylnaphthalene
Concen: 26.680 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.4	105.6
115	34.6	26.3	39.5

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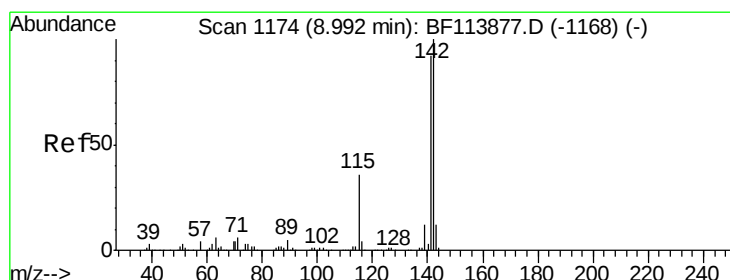
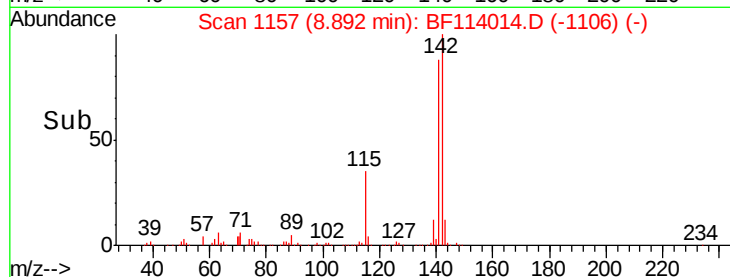
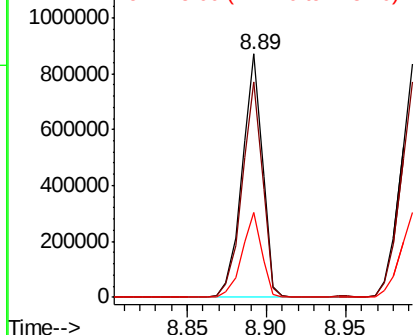


Abundance

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: 26.290 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

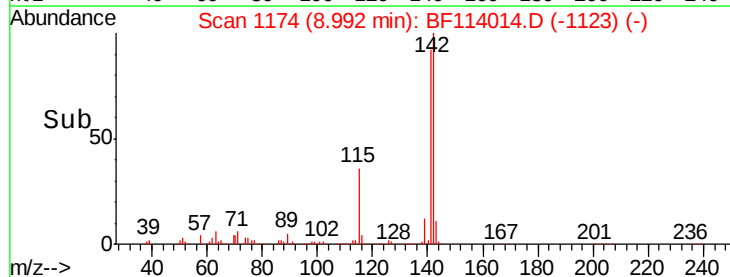
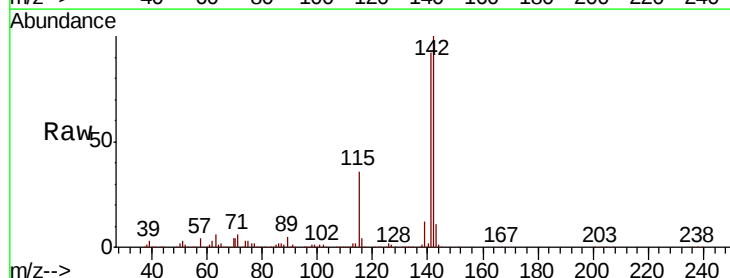
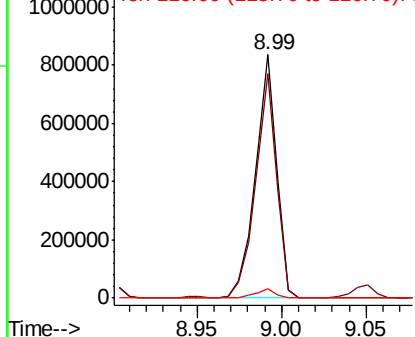
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.3	108.5
116	3.7	3.0	4.4

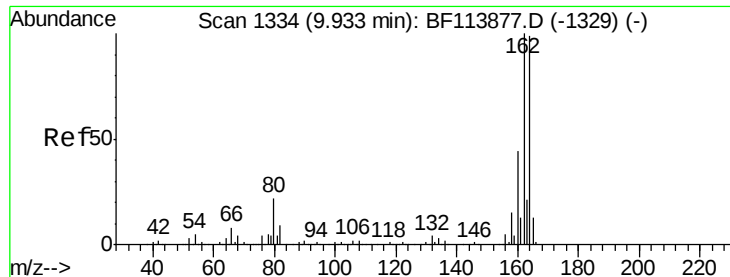
Abundance

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





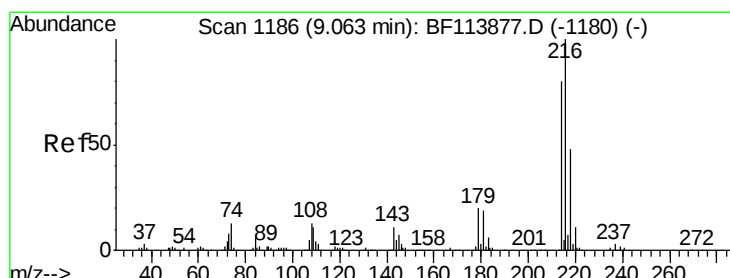
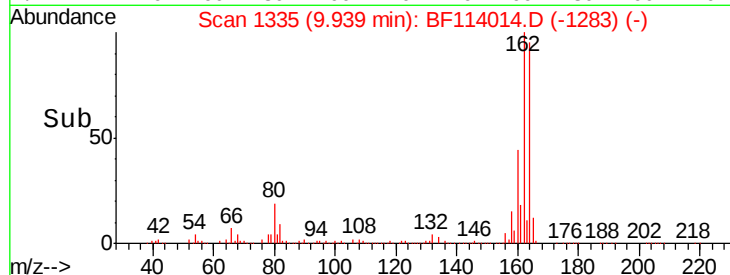
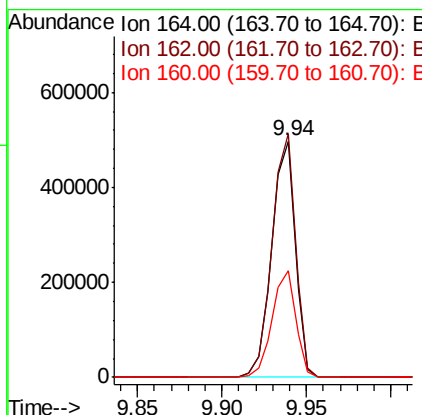
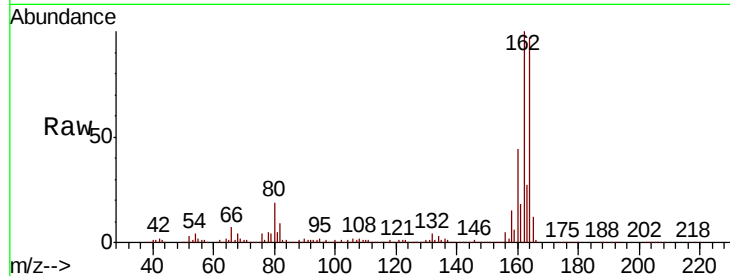
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	81.1	121.7	
160	45.3	35.8	53.6	

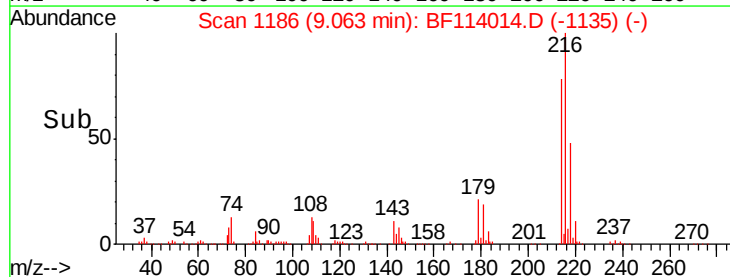
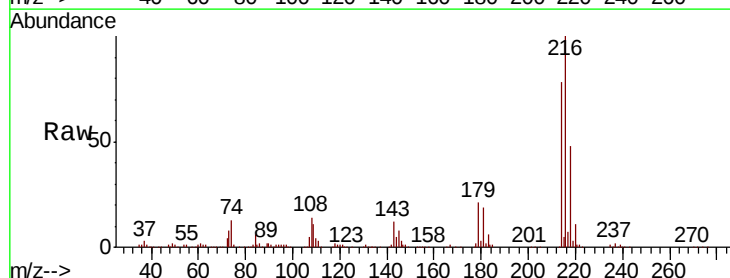
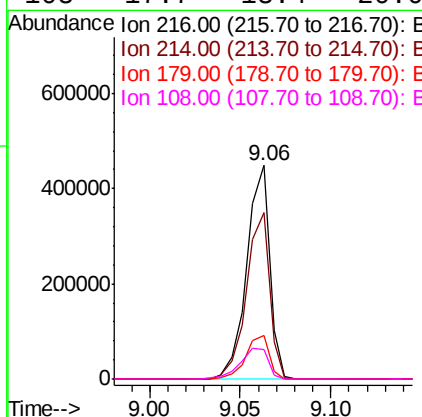
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 25.463 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	63.5	95.3	
179	20.9	16.1	24.1	
108	17.7	13.4	20.0	





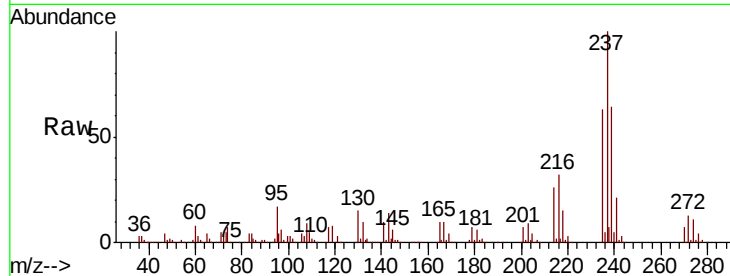
#41
Hexachlorocyclopentadiene
Concen: 45.423 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

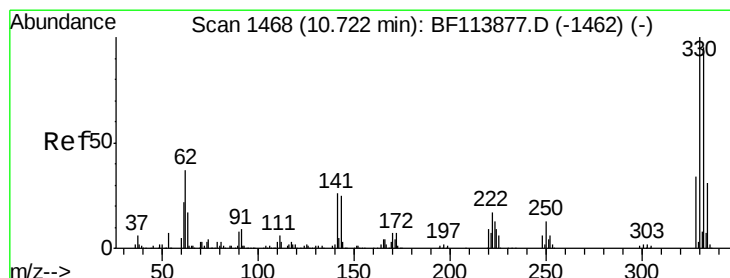
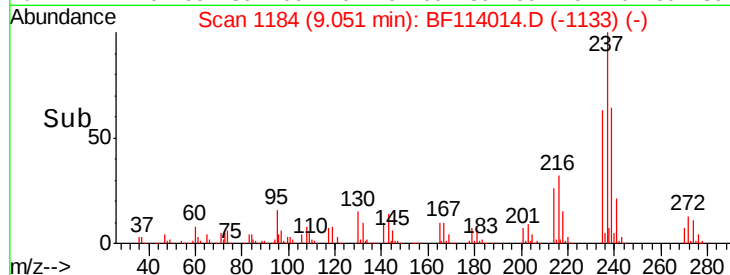
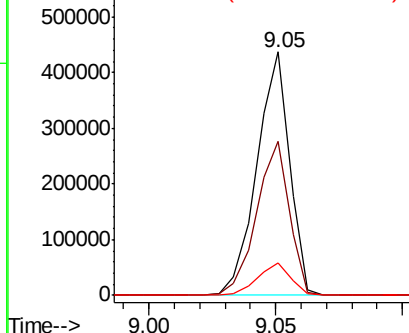
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	394603		
235	63.3	42.6	82.6	
272	13.2	0.0	33.8	

Manual Integrations
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4/27/2019 2:36:53 AM

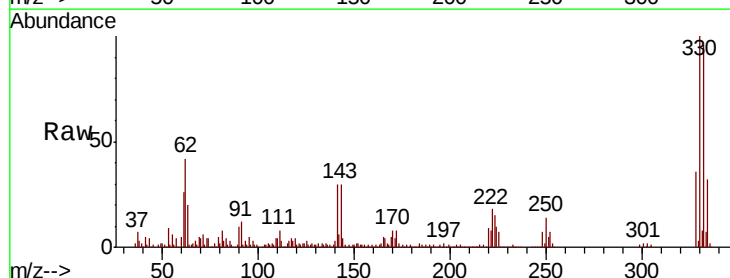


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

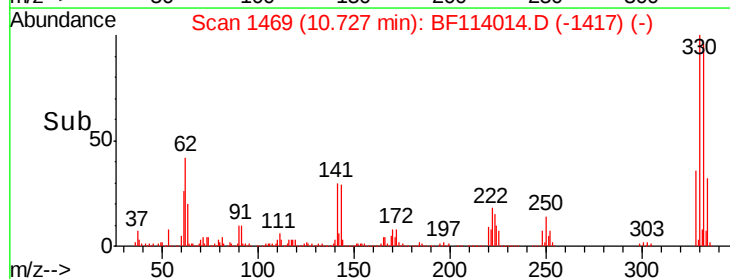
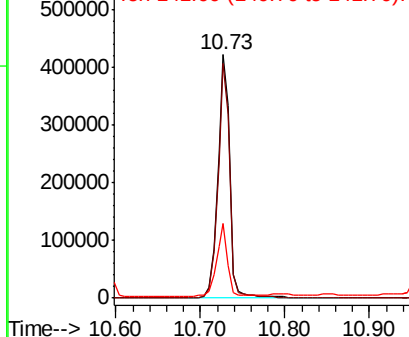


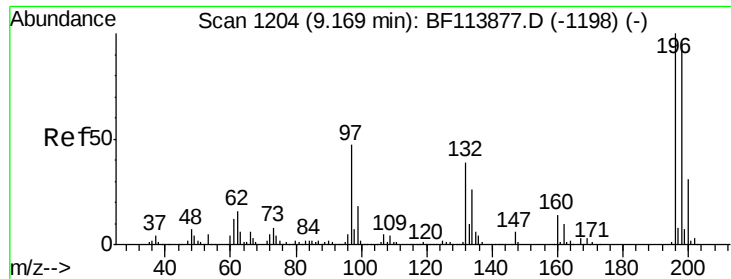
#42
2,4,6-Tribromophenol
Concen: 73.391 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	428776		
332	95.8	77.5	116.3	
141	27.9	22.2	33.2	



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





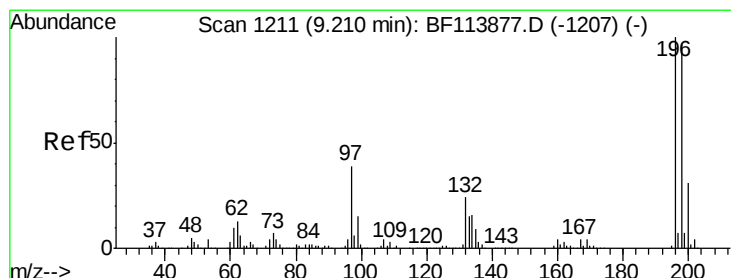
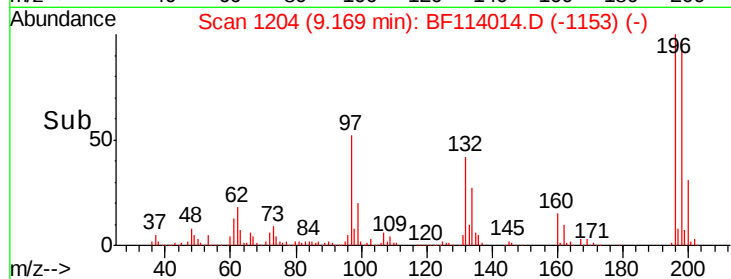
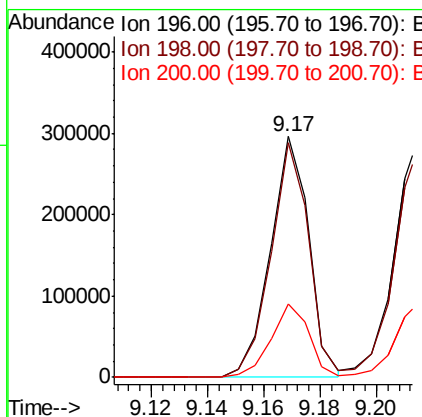
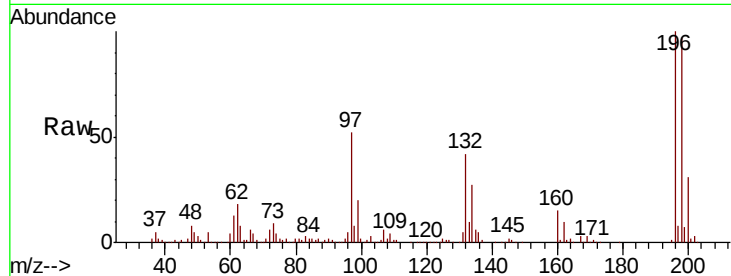
#43
 2,4,6-Trichlorophenol
 Concen: 28.137 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	278343		
198	97.4	75.6	113.4	
200	30.7	24.7	37.1	

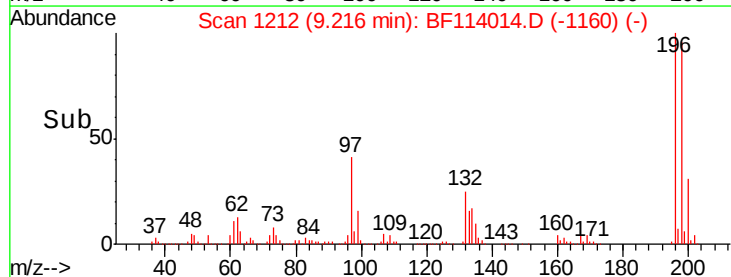
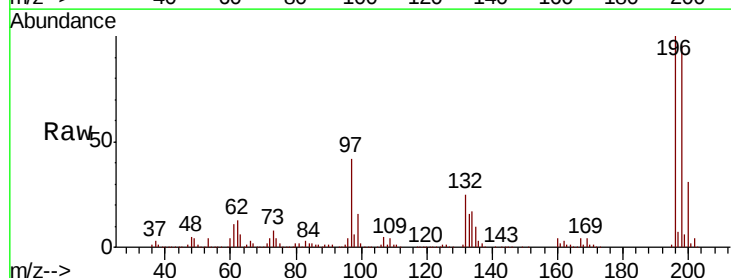
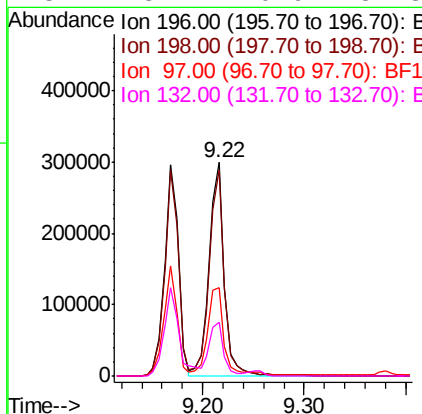
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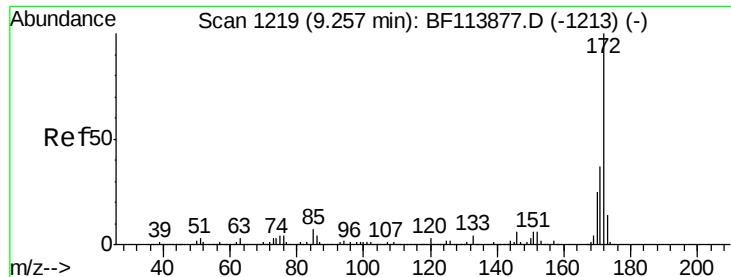
Sohil
 4/27/2019 2:36:53 AM



#44
 2,4,5-Trichlorophenol
 Concen: 27.976 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	310413		
198	96.4	76.2	114.4	
97	41.5	35.8	53.8	
132	25.4	20.9	31.3	





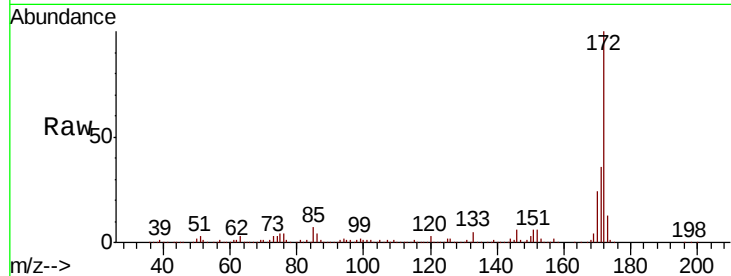
#45
 2-Fluorobiphenyl
 Concen: 49.213 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

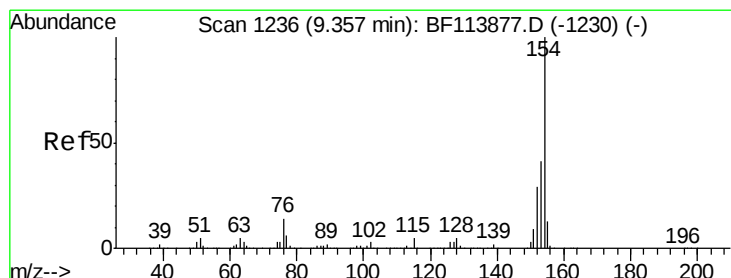
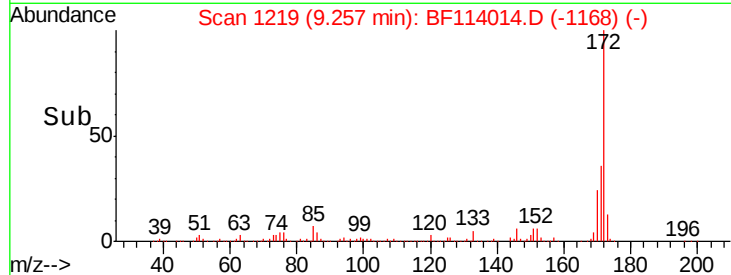
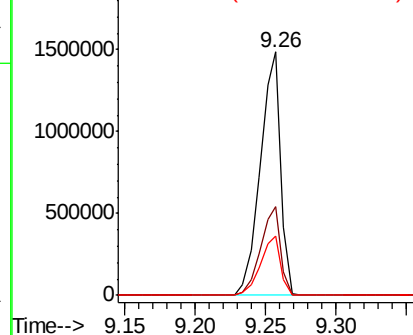
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.5	19.9	29.9

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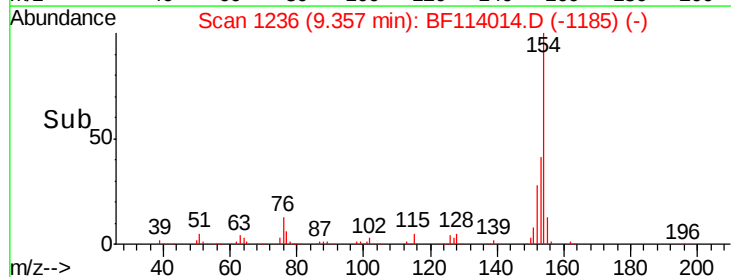
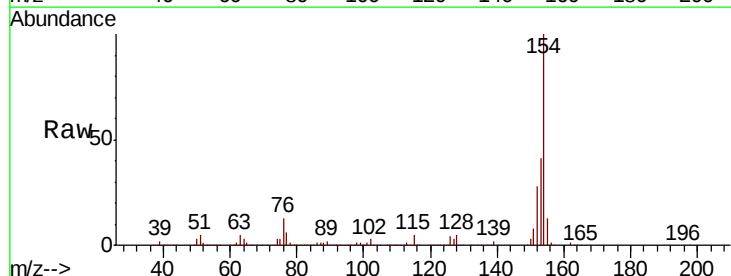
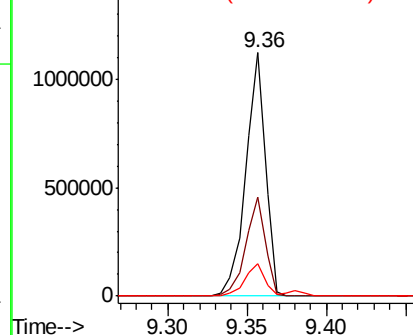
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

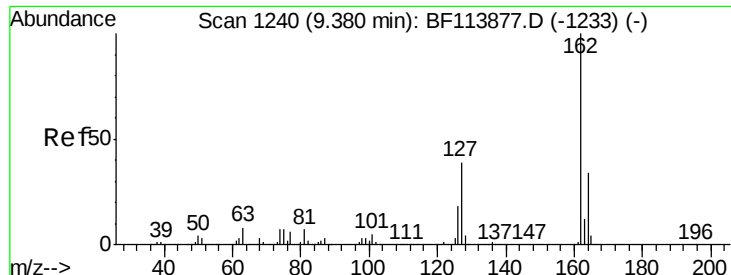


#46
 1,1'-Biphenyl
 Concen: 26.308 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.1	0.0	35.2

Abundance Ion 154.00 (153.70 to 154.70): E
 1500000 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





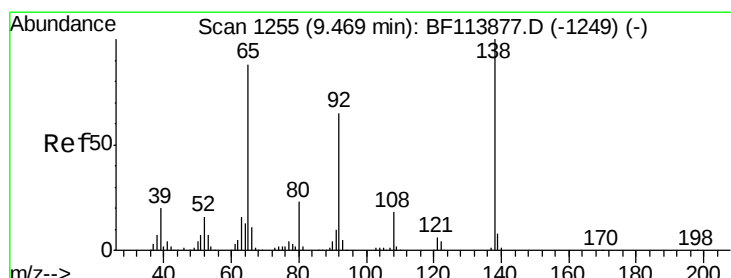
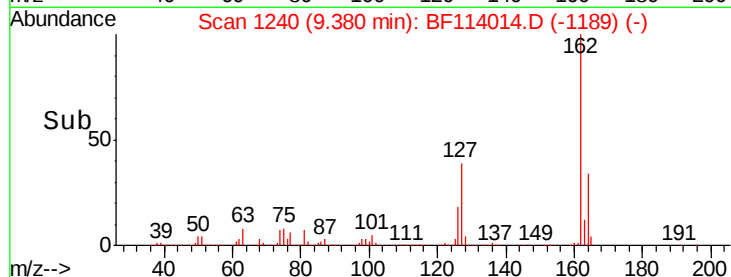
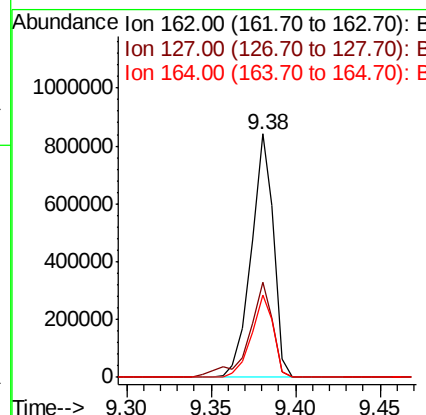
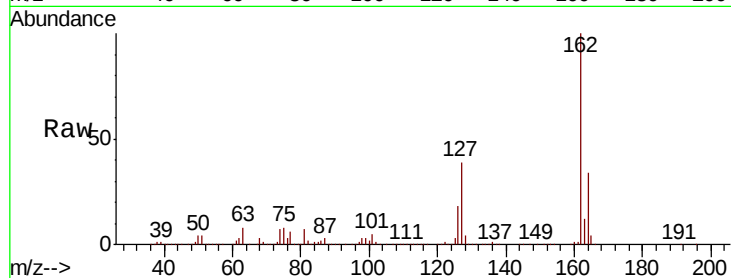
#47
 2-Chloronaphthalene
 Concen: 26.100 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	777628		
127	39.1	29.3	43.9	
164	33.8	27.1	40.7	

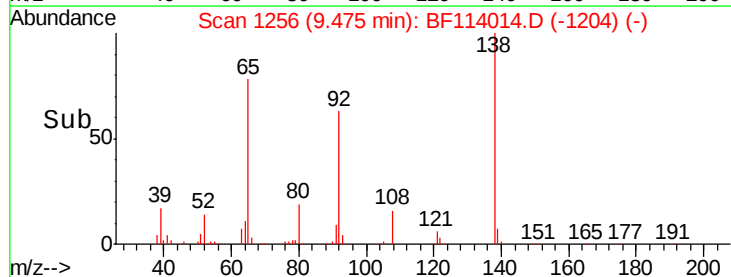
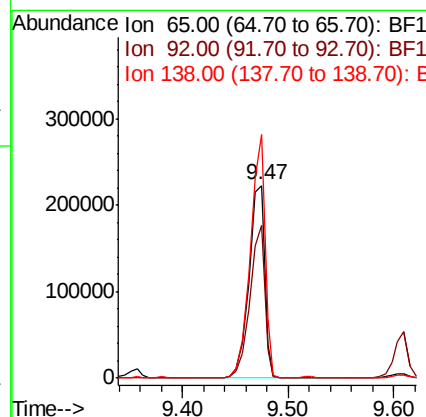
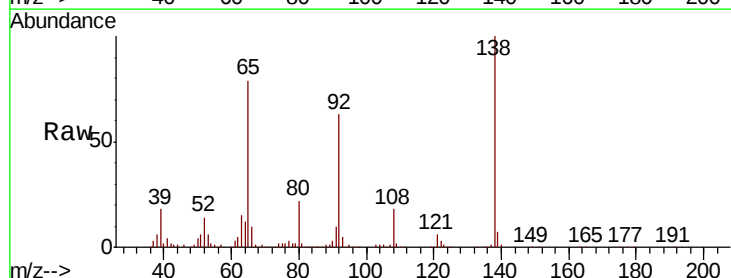
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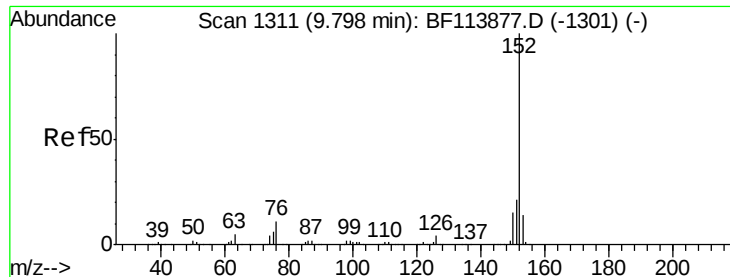
Sohil
 4/27/2019 2:36:53 AM



#48
 2-Nitroaniline
 Concen: 29.530 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	230641		
92	79.3	57.4	86.0	
138	126.3	85.4	128.0	





#49

Acenaphthylene

Concen: 25.603 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:152 Resp: 1194219

Ion Ratio Lower Upper

152 100

151 20.6 17.0 25.4

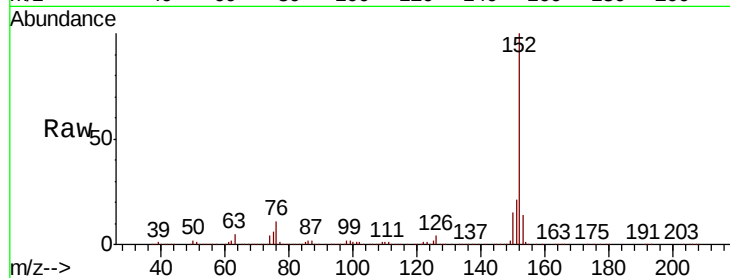
153 13.6 11.0 16.6

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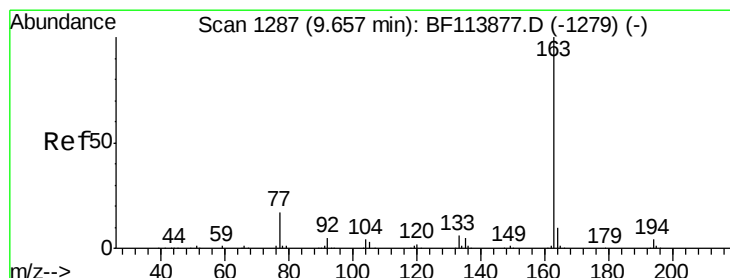
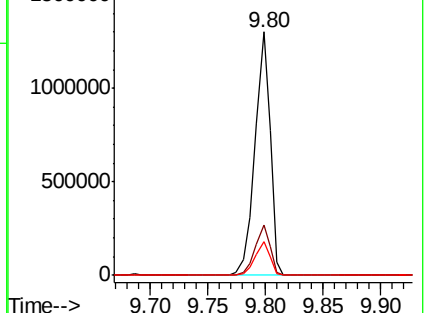
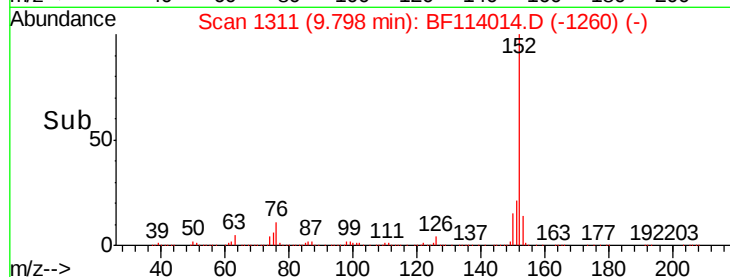
4/27/2019 2:36:53 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 31.589 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

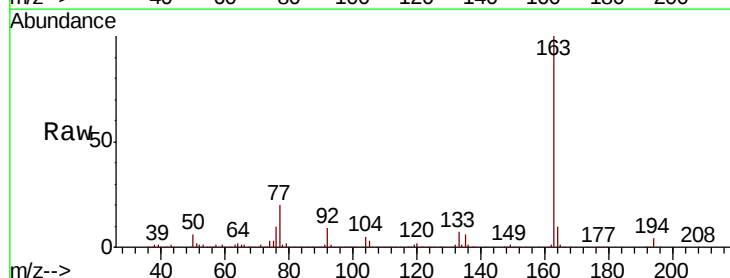
Tgt Ion:163 Resp: 1095646

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

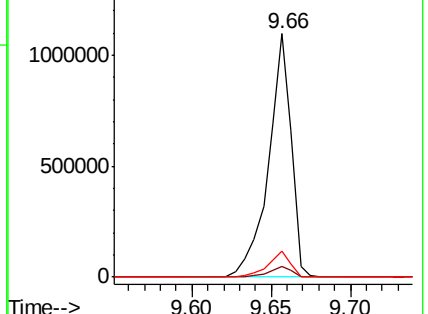
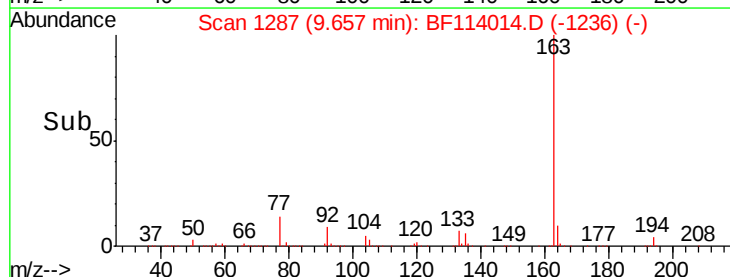
164 10.4 8.5 12.7

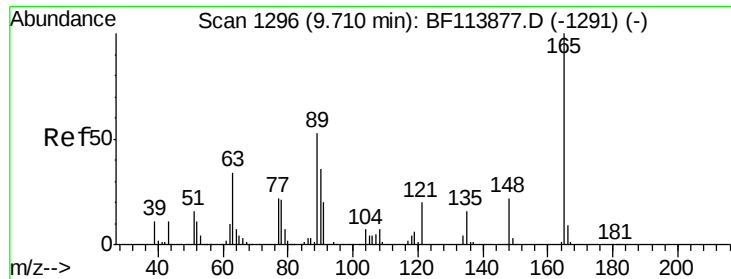


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 28.985 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:165 Resp: 215686
Ion Ratio Lower Upper

165 100

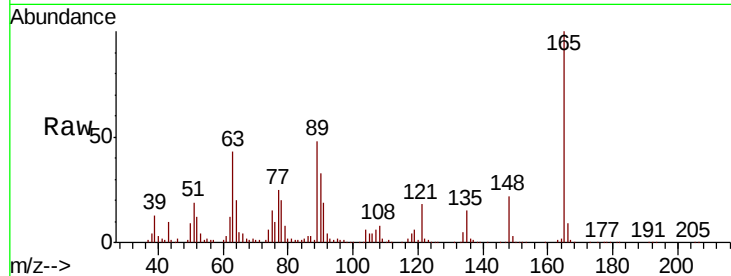
63 43.0 33.8 50.8

89 47.8 38.2 57.2

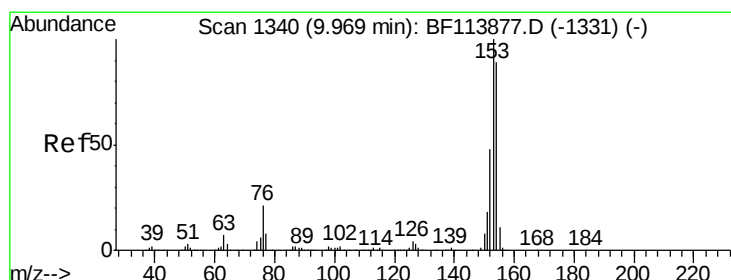
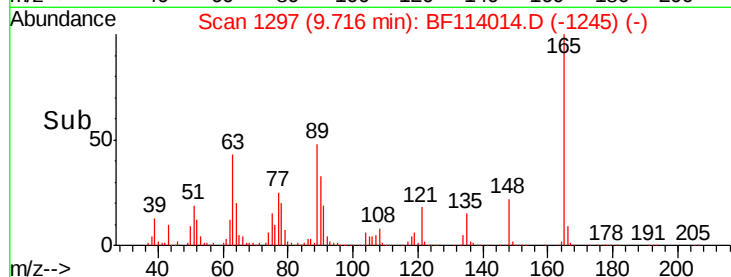
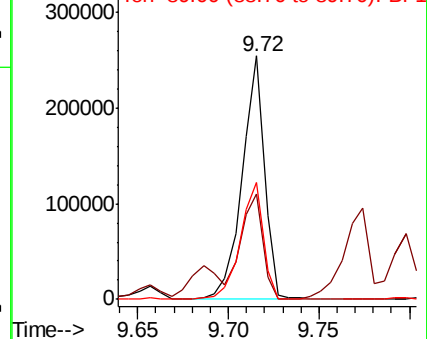
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 27.230 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF114014.D

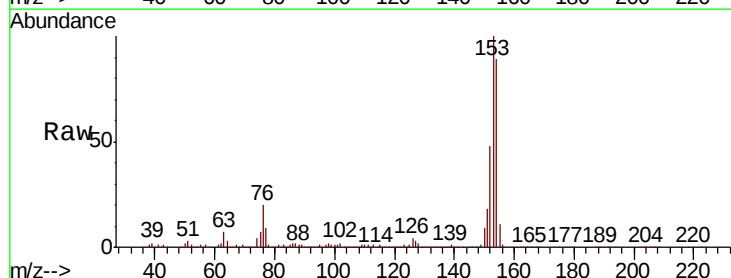
Acq: 26 Apr 2019 17:16

Tgt Ion:154 Resp: 750602
Ion Ratio Lower Upper

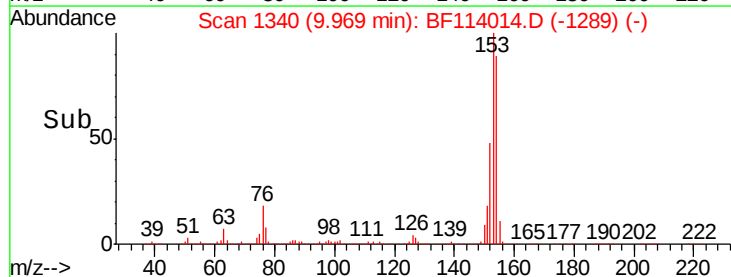
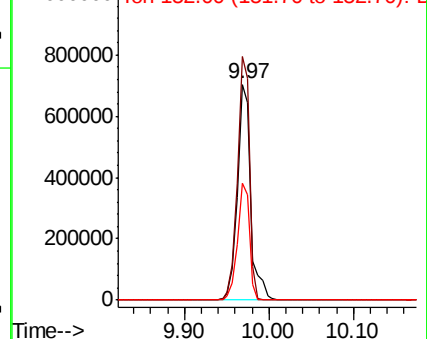
154 100

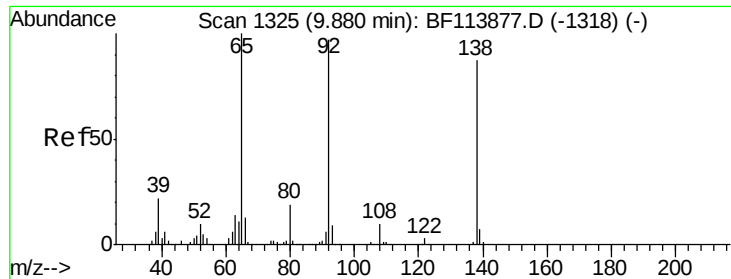
153 112.7 87.2 130.8

152 54.0 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





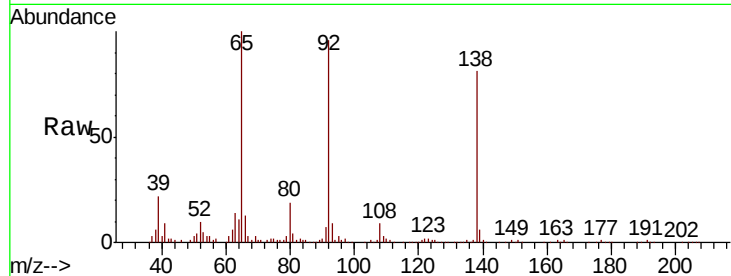
#53
3-Nitroaniline
Concen: 20.789 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

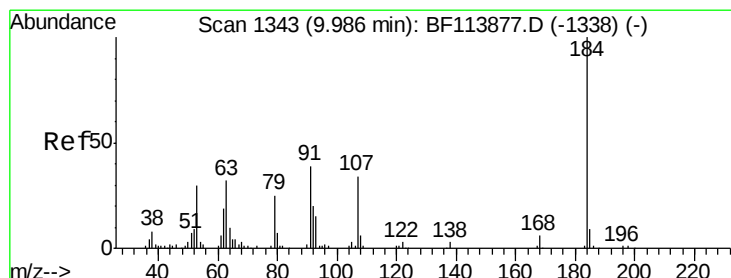
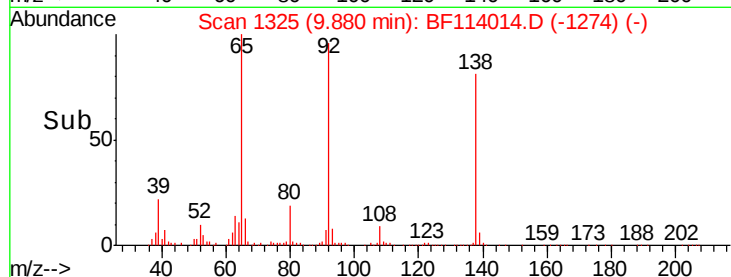
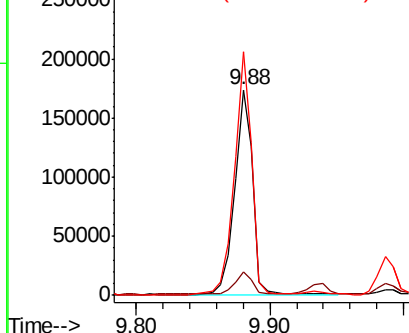
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.4	14.2
92	118.6	94.1	141.1

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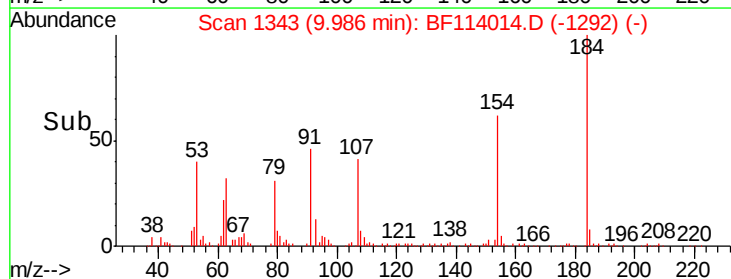
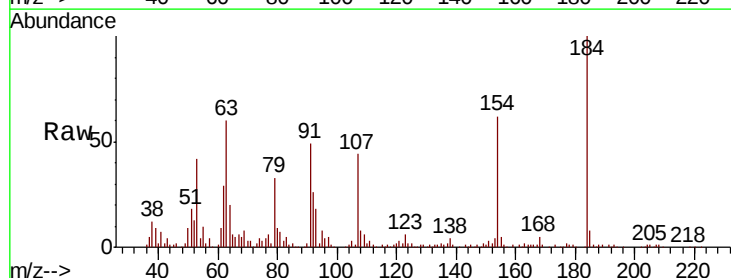
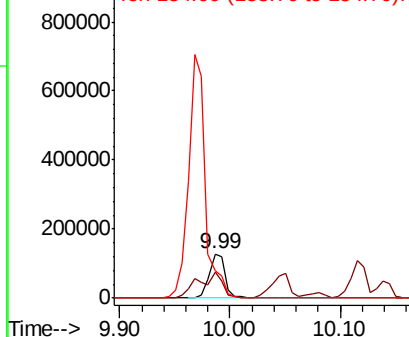
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

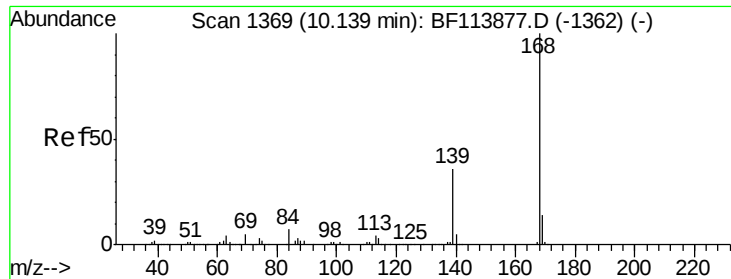


#54
2,4-Dinitrophenol
Concen: 43.206 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.6	54.6	81.8
154	62.2	218.6	328.0#

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: 26.069 ng

RT: 10.15 min Scan# 1370

Delta R.T. 0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:168 Resp: 1076413

Ion Ratio Lower Upper

168 100

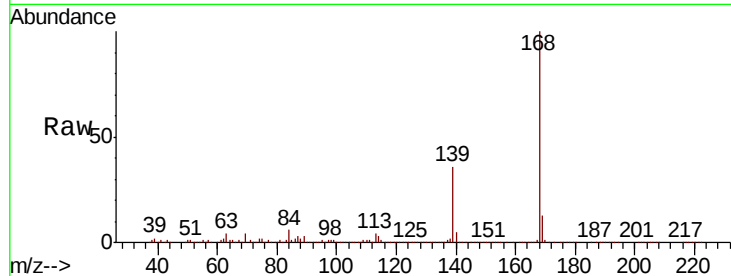
139 35.6 27.8 41.6

169 13.5 11.0 16.6

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

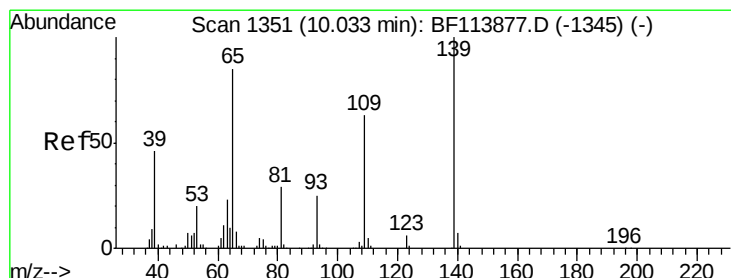
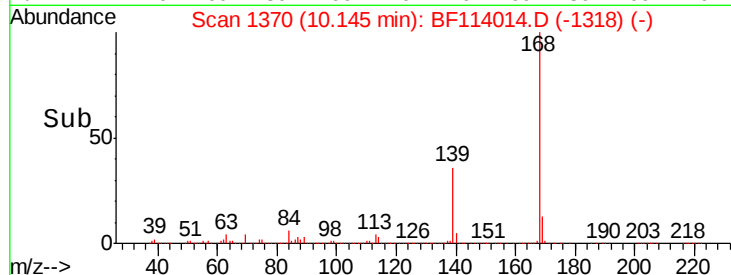
1500000

1000000

500000

0

Time-->



#56

4-Nitrophenol

Concen: 54.906 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.02 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

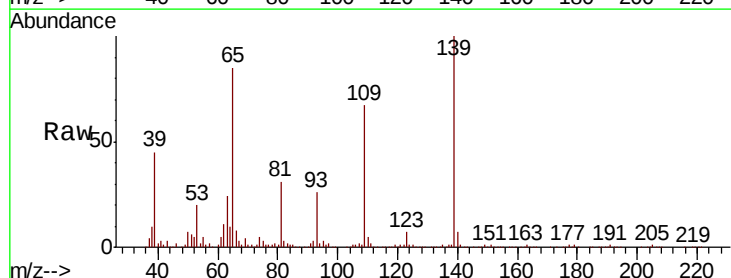
Tgt Ion:139 Resp: 339932

Ion Ratio Lower Upper

139 100

109 67.5 42.9 82.9

65 85.3 64.4 104.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

500000

400000

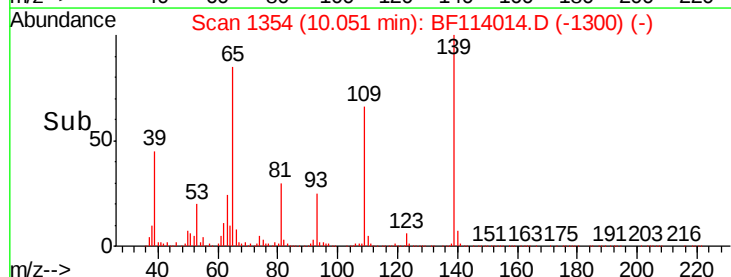
300000

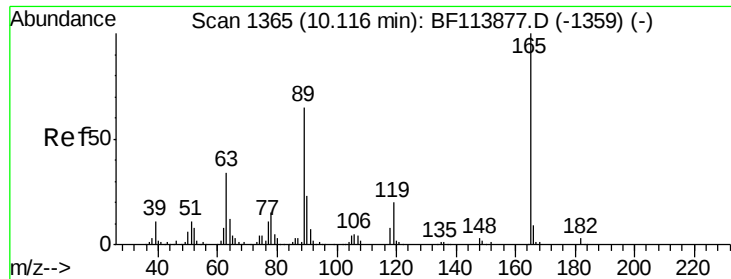
200000

100000

0

Time-->





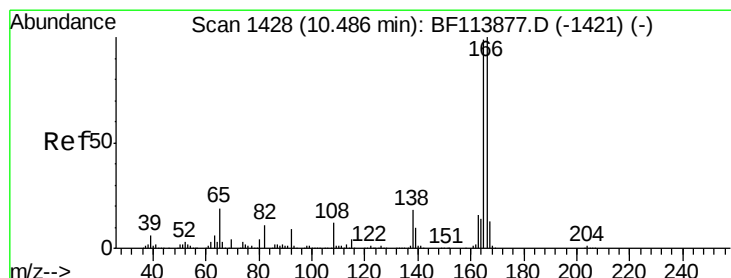
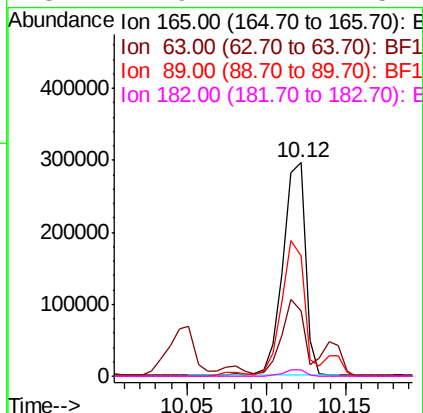
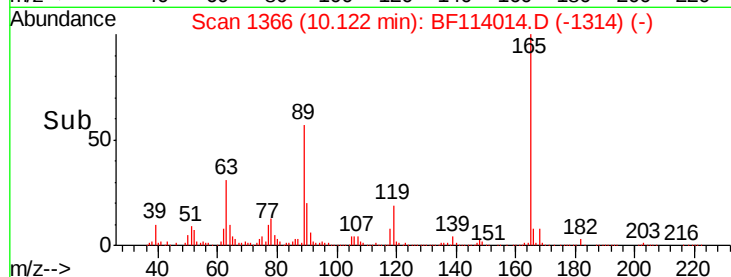
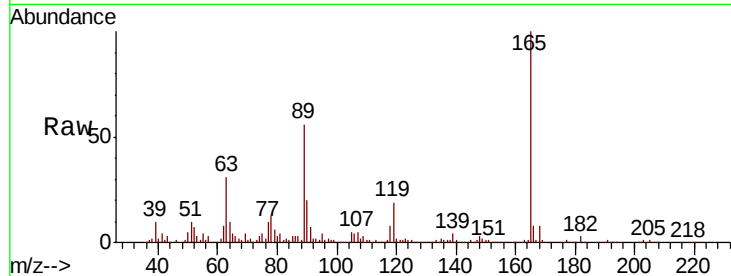
#57
2,4-Dinitrotoluene
Concen: 31.192 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	30.6	27.4	41.0
89	56.3	51.8	77.6
182	2.9	2.2	3.2

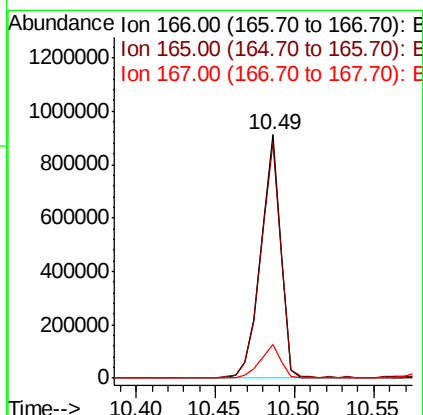
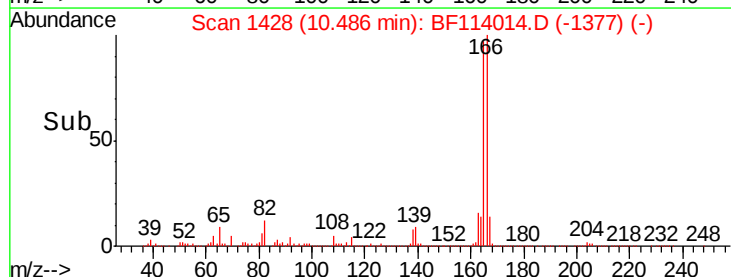
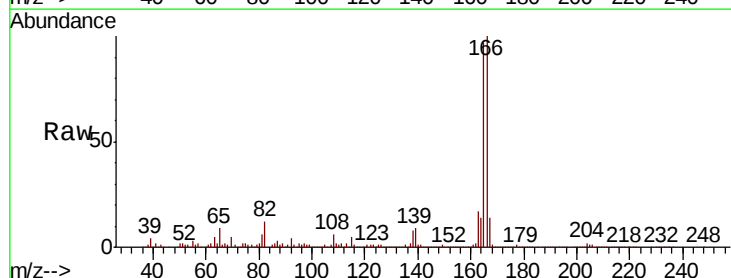
Manual Integrations
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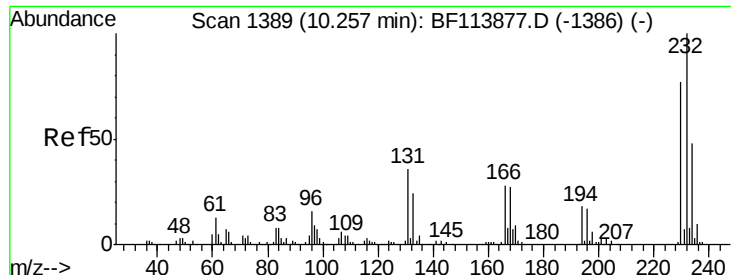
Sohil
4/27/2019 2:36:53 AM



#58
Fluorene
Concen: 25.807 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	96.8	78.4	117.6
167	13.6	10.9	16.3





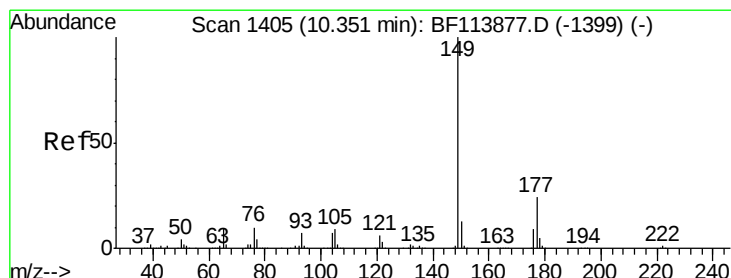
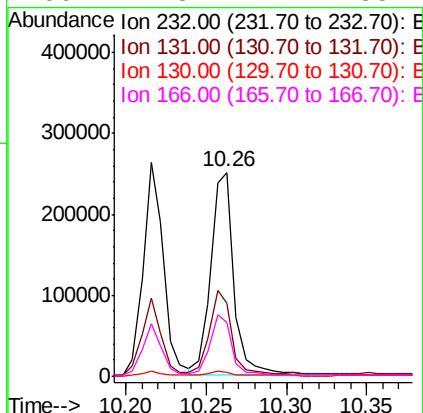
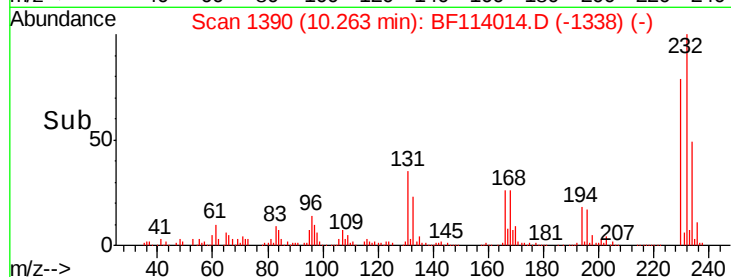
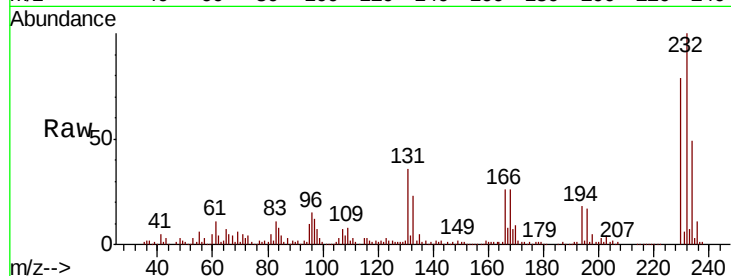
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 26.107 ng m
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
232	100		
131	31.7	30.2	45.2
130	2.0	1.5	2.3
166	21.8	22.2	33.4

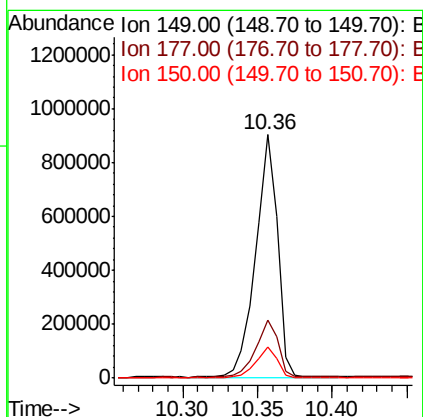
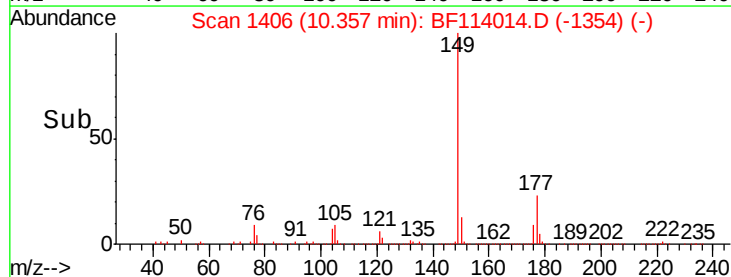
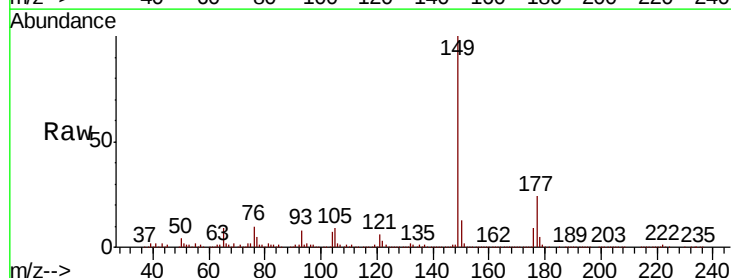
Manual Integrations
 APPROVED

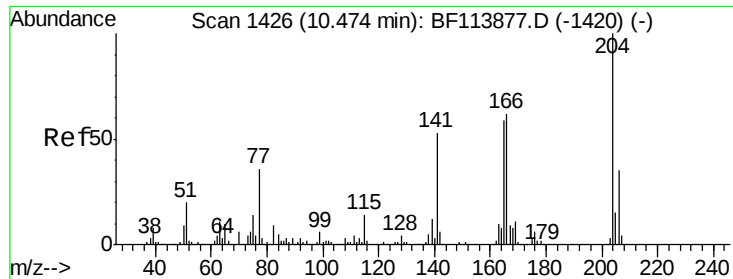
Sohil
 4/27/2019 2:36:53 AM



#60
 Diethylphthalate
 Concen: 27.346 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	23.6	19.2	28.8
150	12.8	10.3	15.5





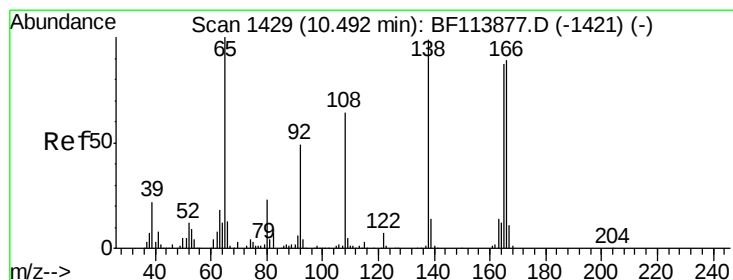
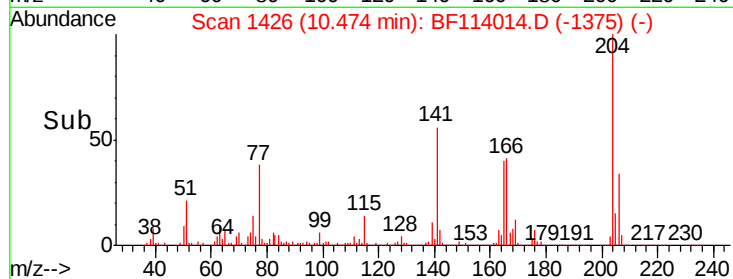
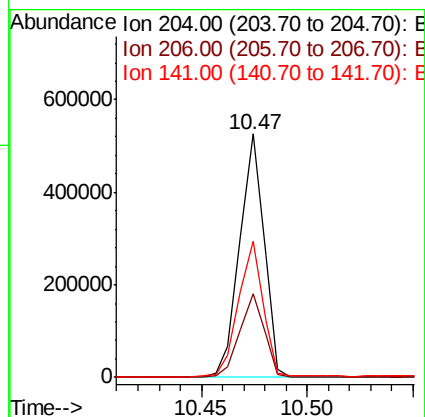
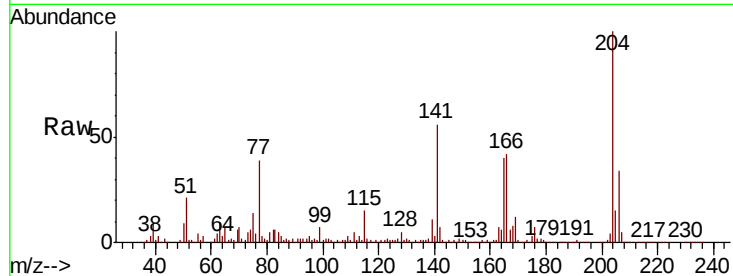
#61
4-Chlorophenyl-phenylether
Concen: 25.493 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	56.0	42.6	63.8

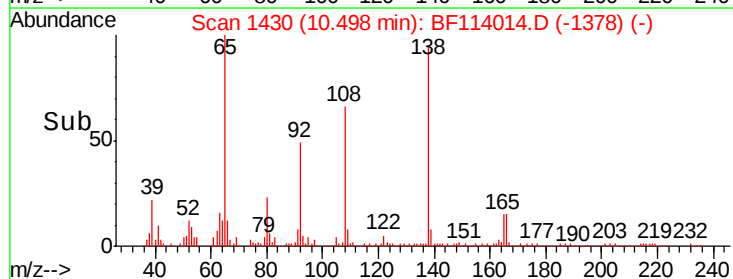
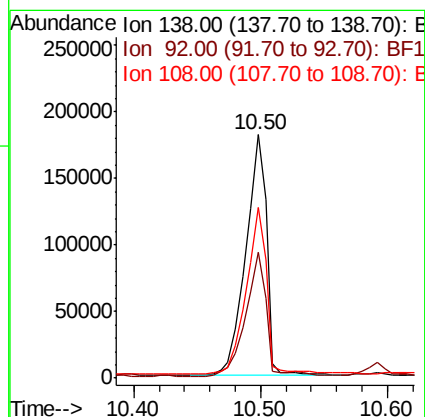
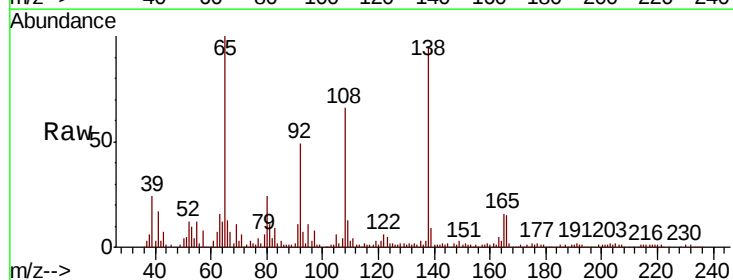
Manual Integrations
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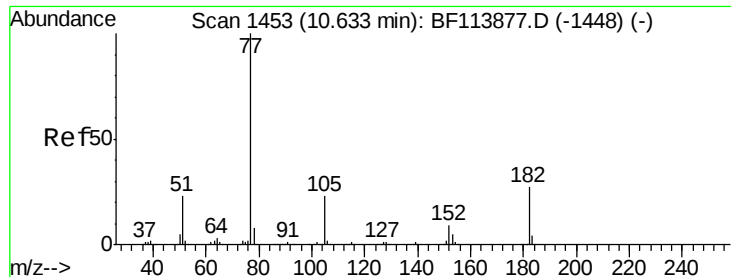
Sohil
4/27/2019 2:36:53 AM



#62
4-Nitroaniline
Concen: 27.095 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.8	31.3	71.3
108	70.0	48.9	88.9





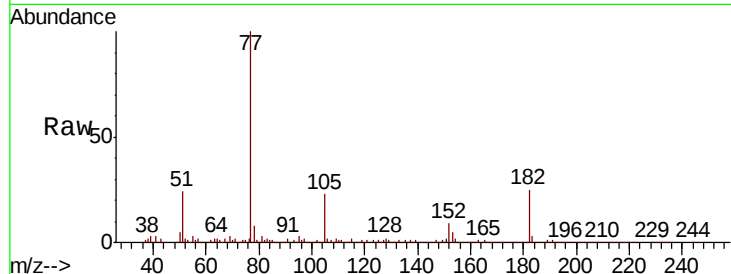
#63
Azobenzene
Concen: 25.283 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

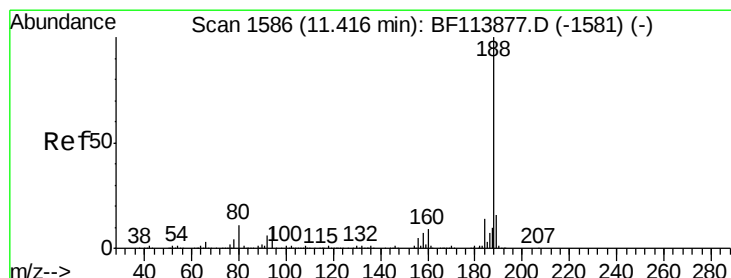
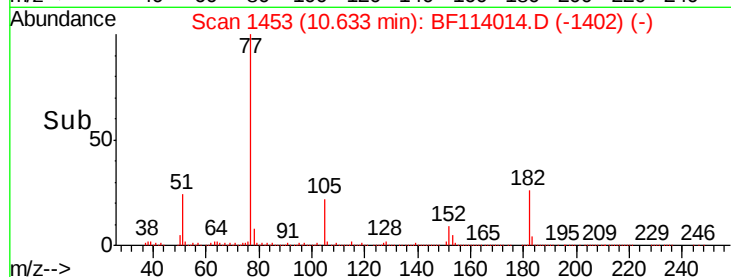
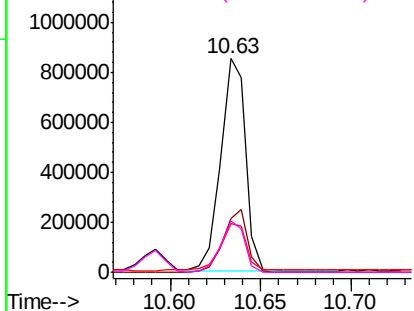
Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.4	44.4
105	22.7	2.2	42.2
51	23.7	3.9	43.9

Manual Integrations
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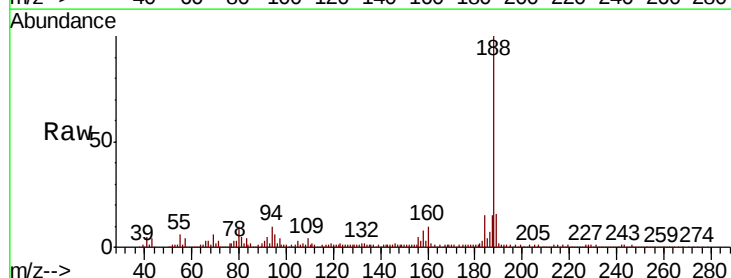


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

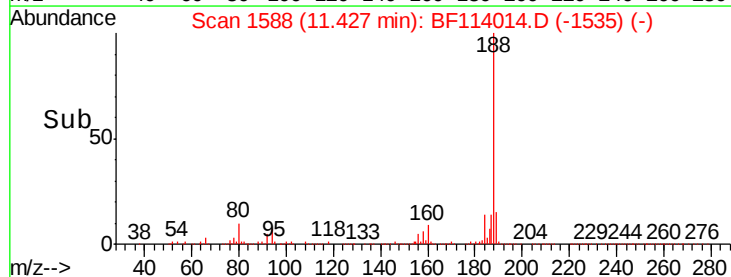
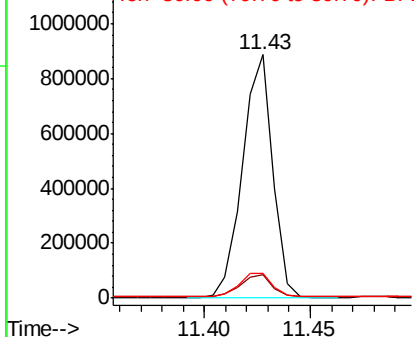


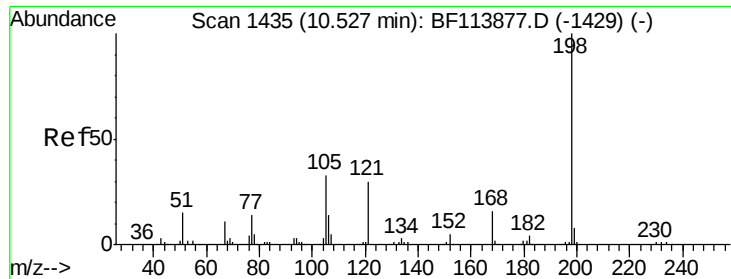
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.4
80	10.3	9.0	13.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





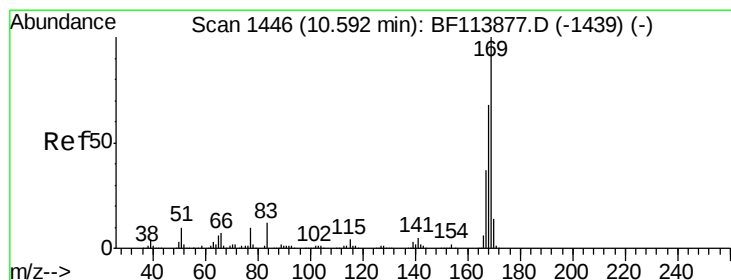
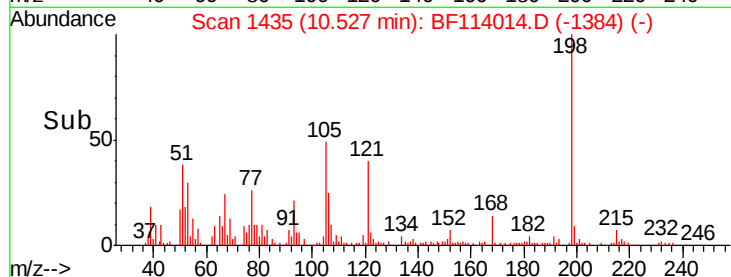
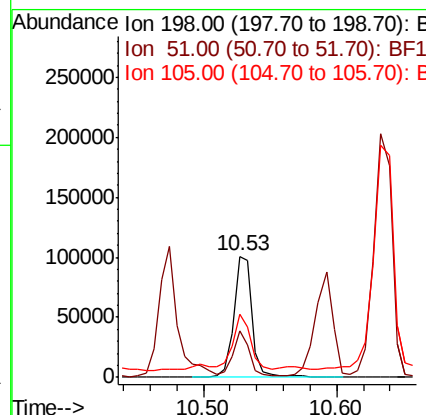
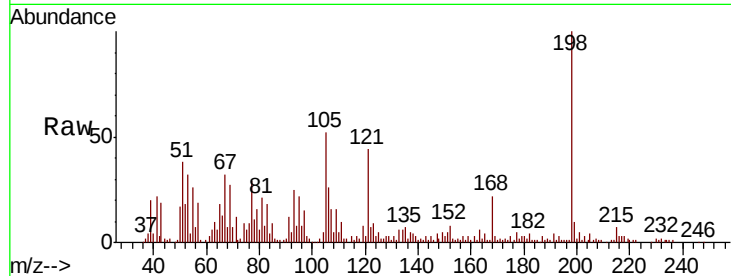
#65
4,6-Dinitro-2-methylphenol
Concen: 28.081 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
198	100		
51	38.2	11.1	51.1
105	51.9	20.7	60.7

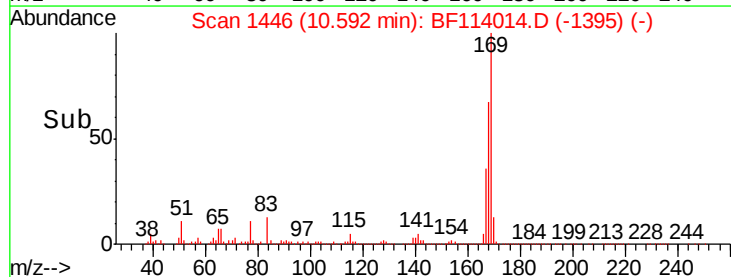
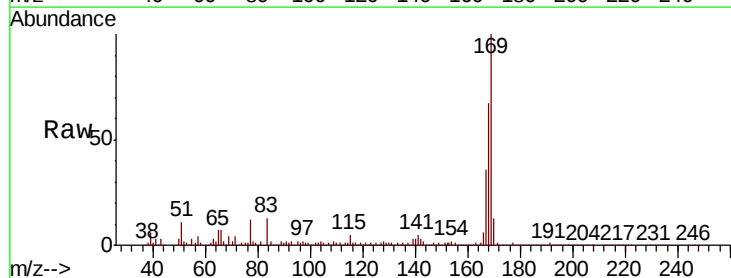
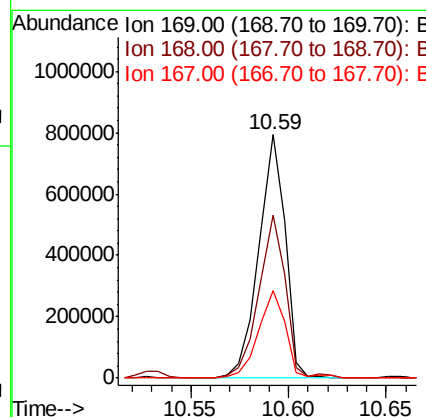
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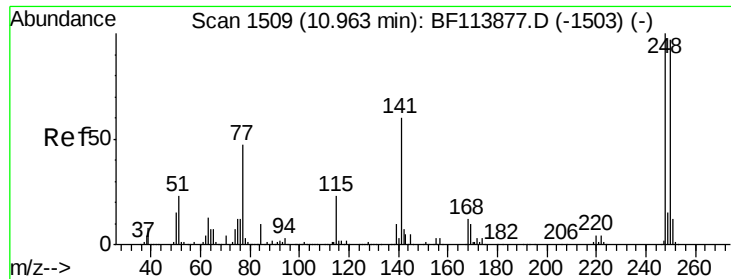
Sohil
4/27/2019 2:36:53 AM



#66
n-Nitrosodiphenylamine
Concen: 28.390 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	54.3	81.5
167	36.2	29.4	44.0





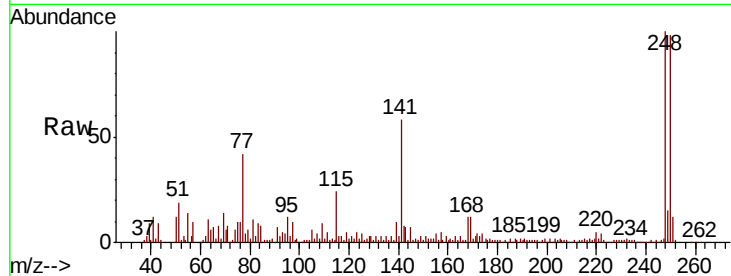
#67
4-Bromophenyl-phenylether
Concen: 26.034 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.1	75.8	113.6
141	58.3	50.2	75.4

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Sohil
4/27/2019 2:36:53 AM

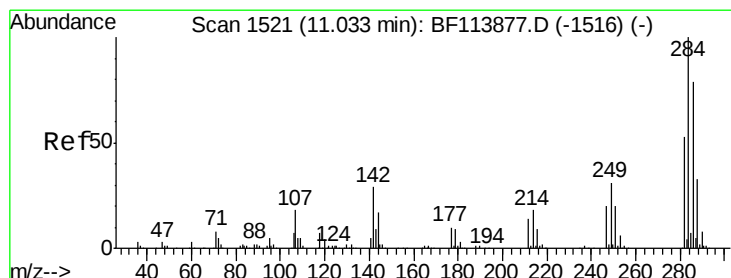
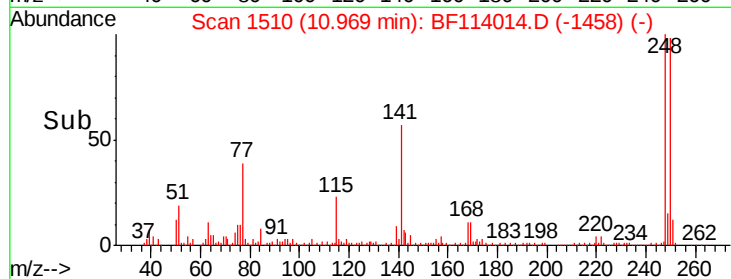
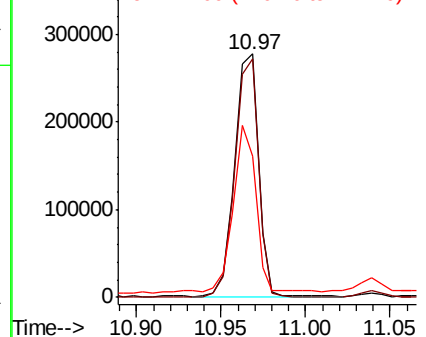


Abundance

Ion 248.00 (247.70 to 248.70): E

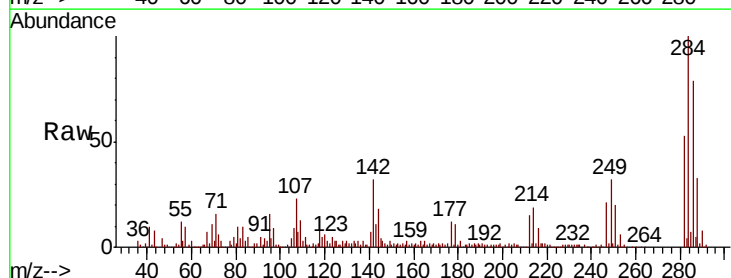
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 25.517 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.3	23.0	34.4
249	31.9	24.4	36.6

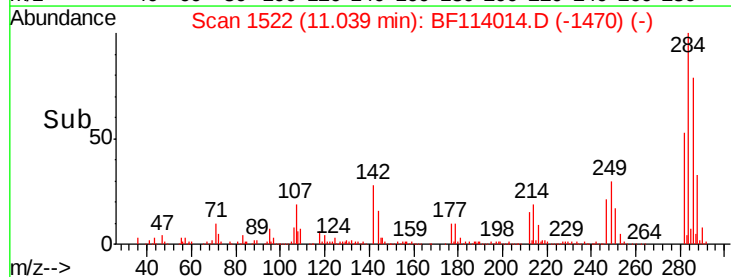
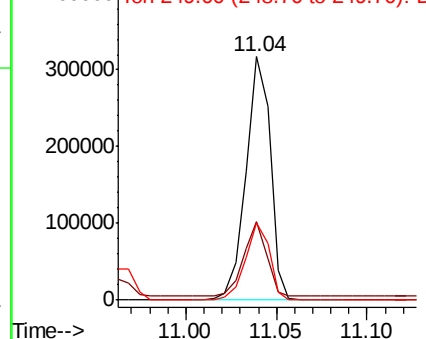


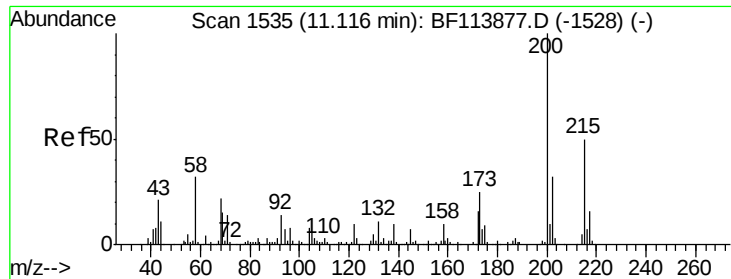
Abundance

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





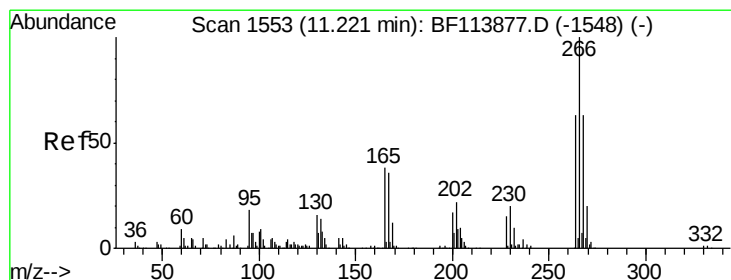
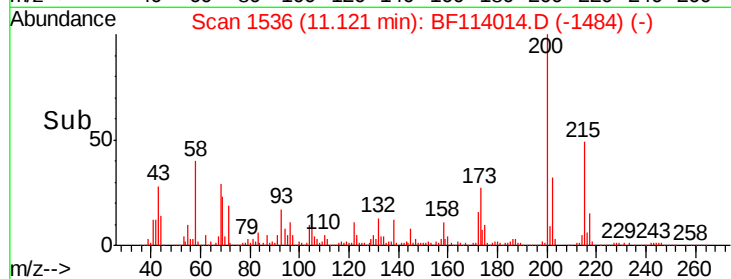
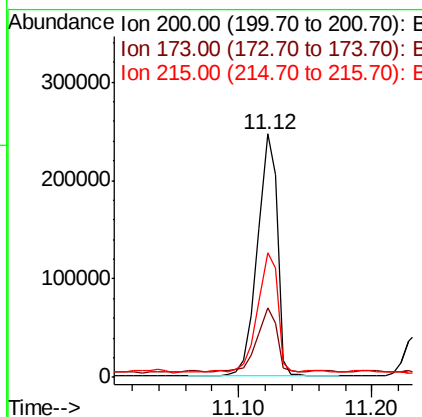
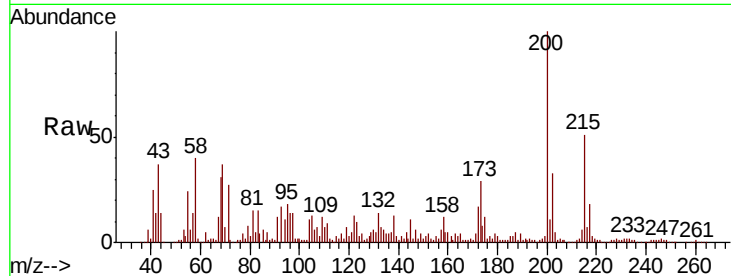
#69
Atrazine
Concen: 29.124 ng
RT: 11.12 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.8	5.9	45.9
215	51.0	29.3	69.3

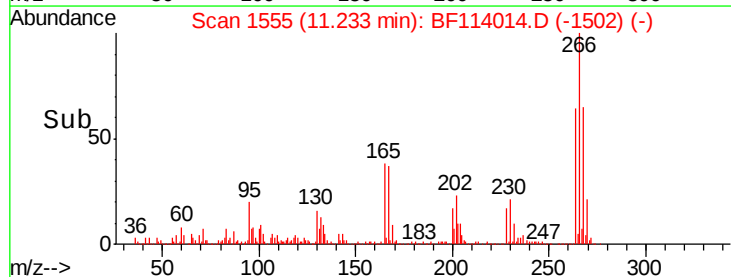
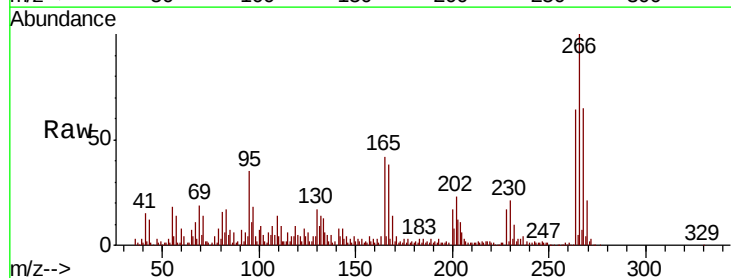
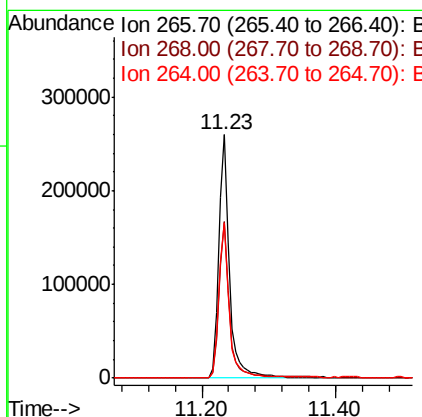
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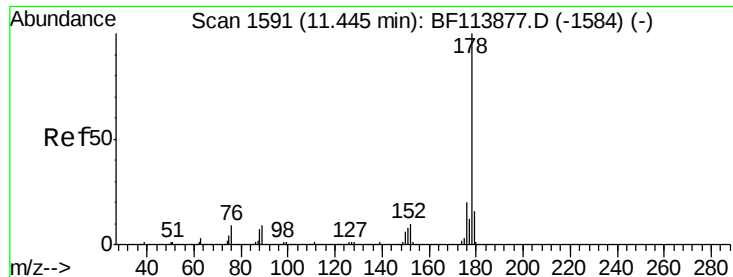
Sohil
4/27/2019 2:36:53 AM



#70
Pentachlorophenol
Concen: 45.274 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.5	53.5	80.3
264	63.6	51.0	76.6





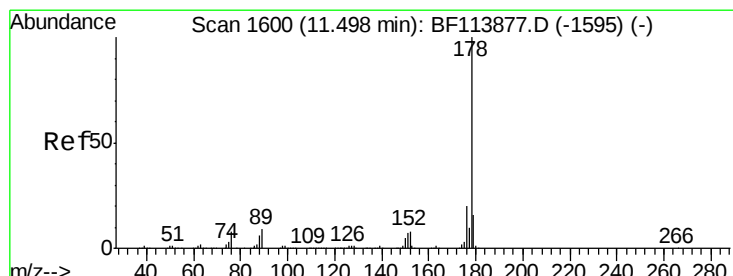
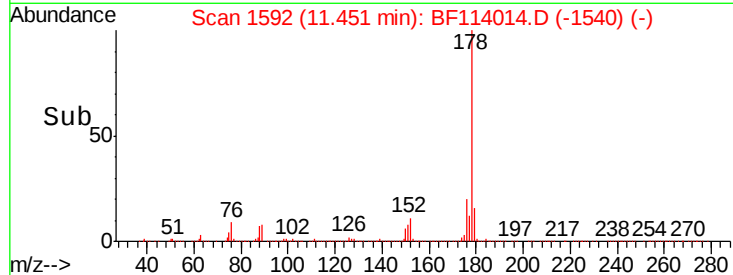
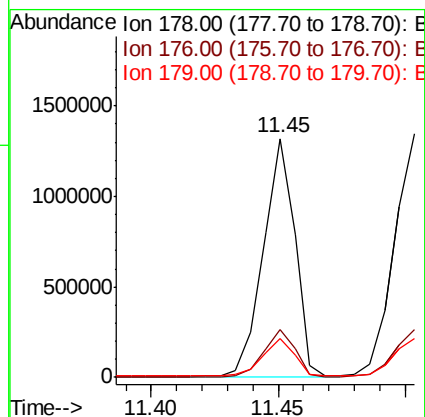
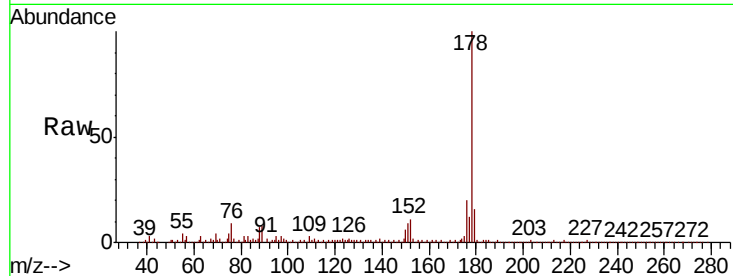
#71
Phenanthrene
Concen: 26.109 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion:178 Resp: 1149095
Ion Ratio Lower Upper
178 100
176 20.3 16.1 24.1
179 16.5 12.8 19.2

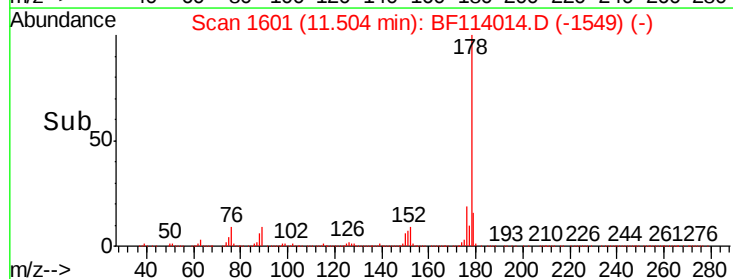
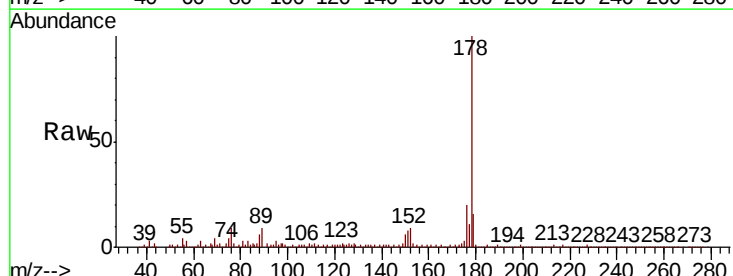
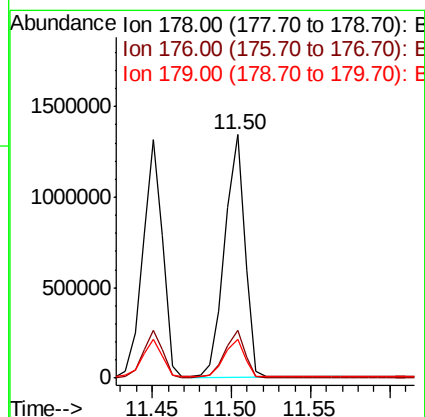
Manual Integrations
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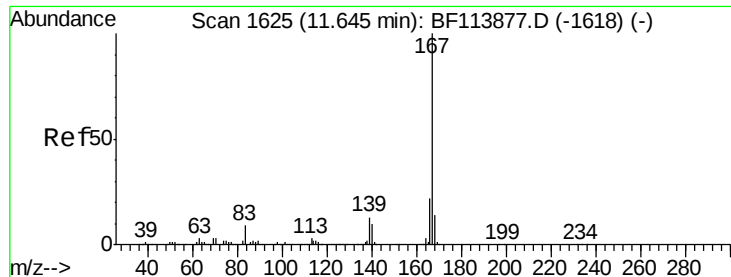
Sohil
4/27/2019 2:36:53 AM



#72
Anthracene
Concen: 26.762 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion:178 Resp: 1189432
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 16.0 13.0 19.4





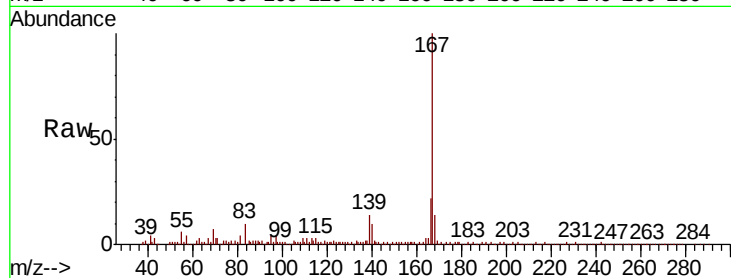
#73
 Carbazole
 Concen: 26.488 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.7	26.5
139	13.7	10.0	15.0

Manual Integrations
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 4/27/2019 2:36:53 AM

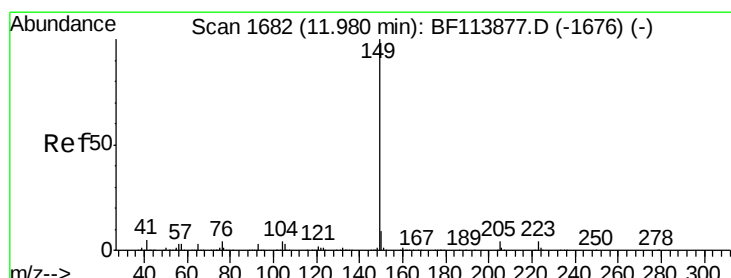
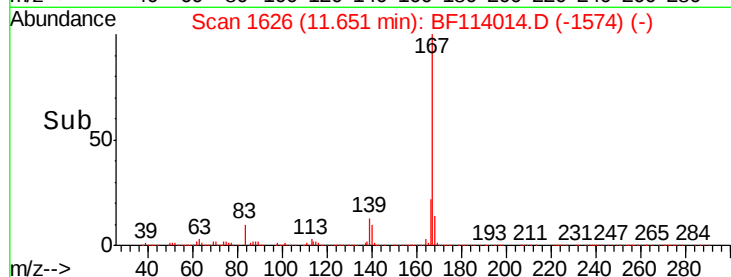
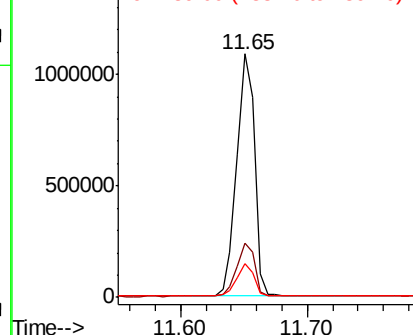


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 27.244 ng
 RT: 11.99 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

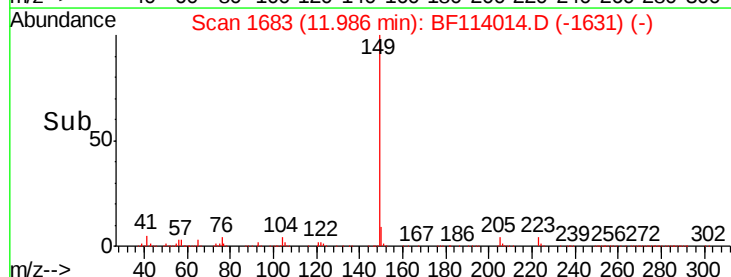
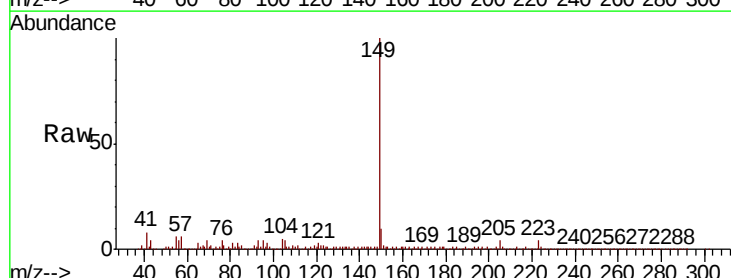
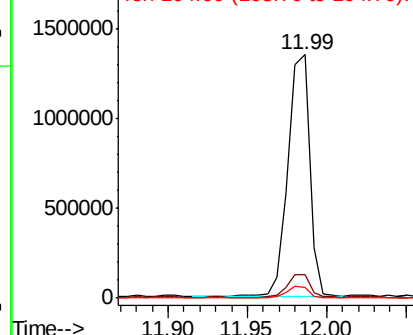
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.8
104	4.6	3.8	5.8

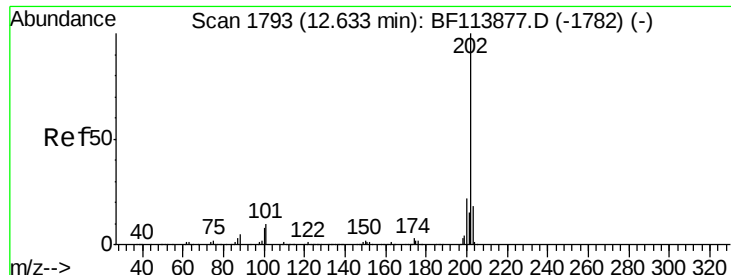
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 25.760 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

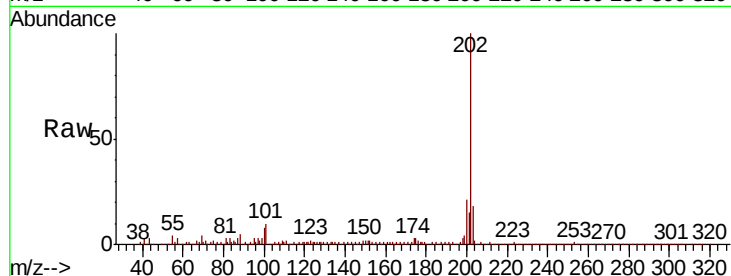
ClientSampleId :

114-PENNINGTONMSD

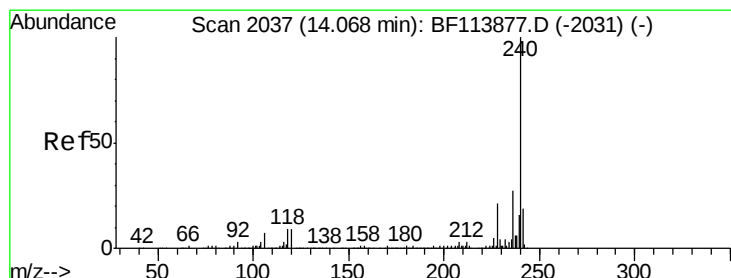
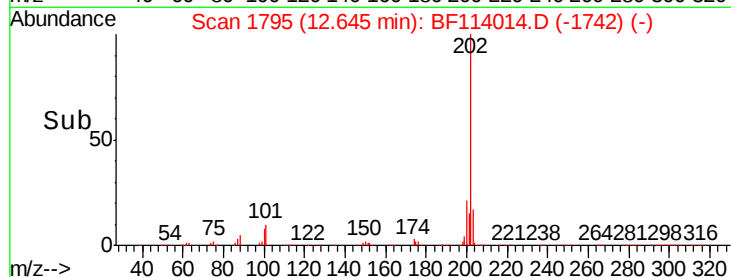
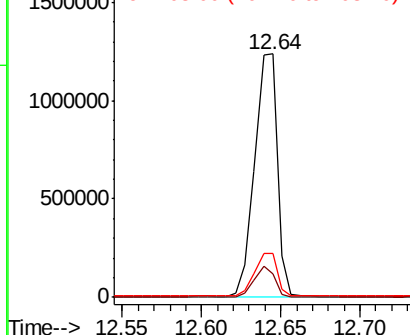
Tgt Ion:	202	Resp:	1236914
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.9
203	18.1	0.0	38.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

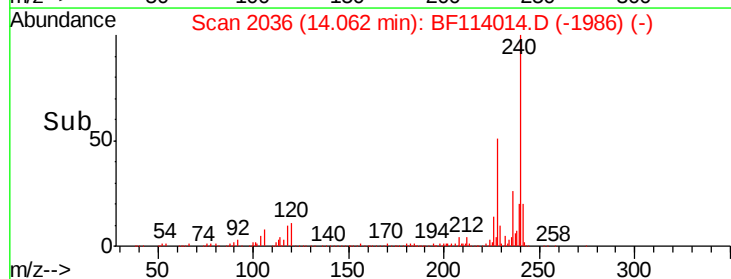
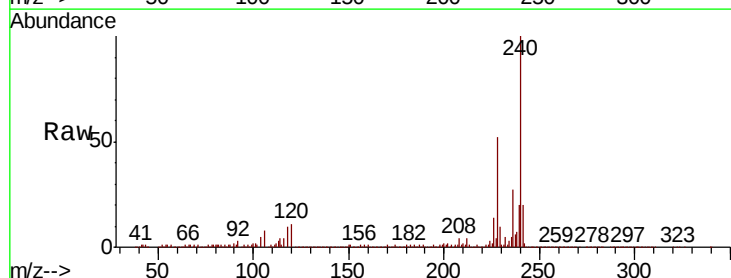
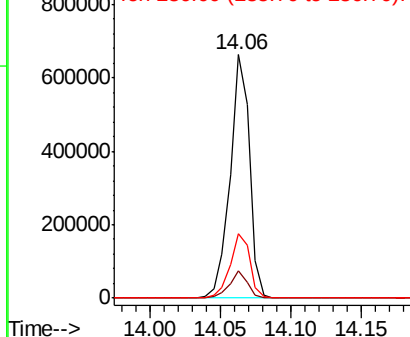
Delta R.T. -0.01 min

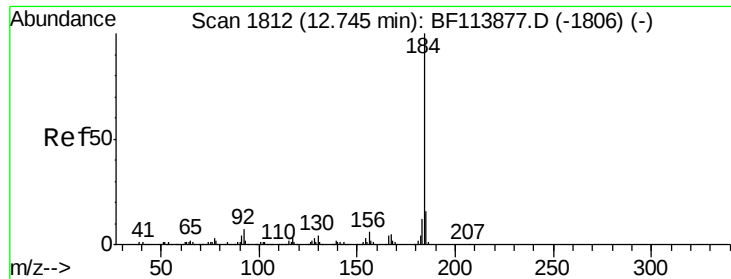
Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion:	240	Resp:	629894
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	26.6	21.2	31.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





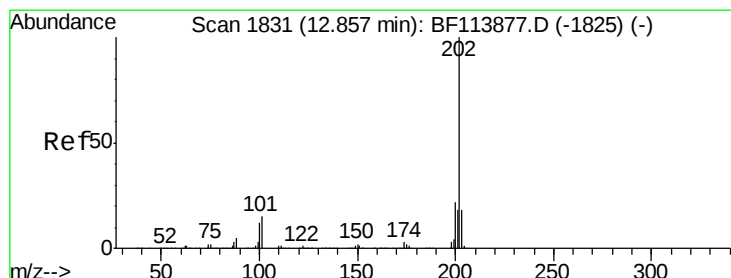
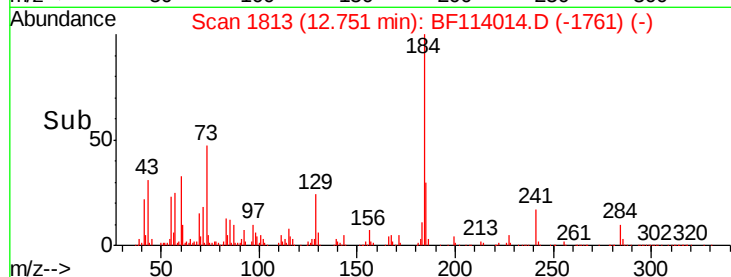
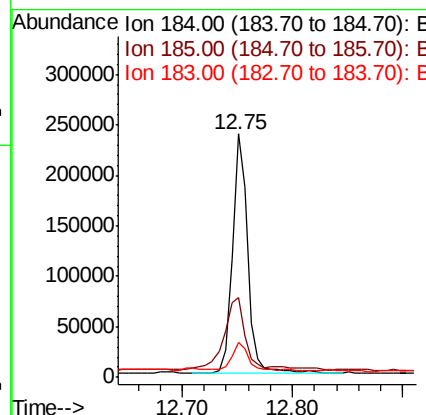
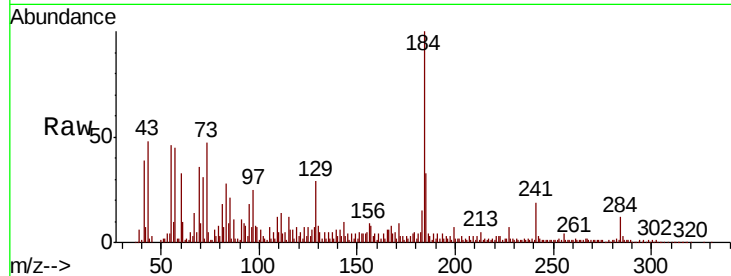
#77
Benzidine
Concen: 12.260 ng
RT: 12.75 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
184	100		
185	32.6	13.0	19.6#
183	14.5	9.4	14.0#

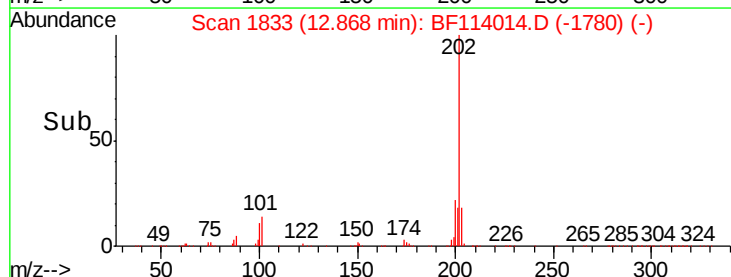
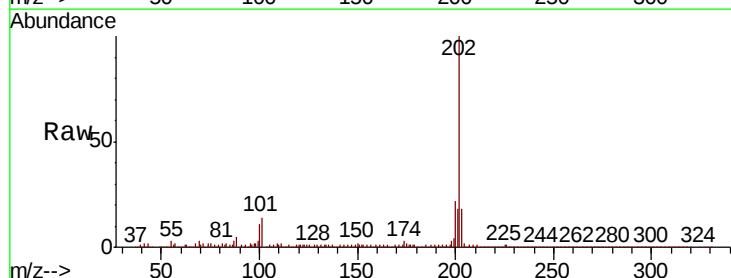
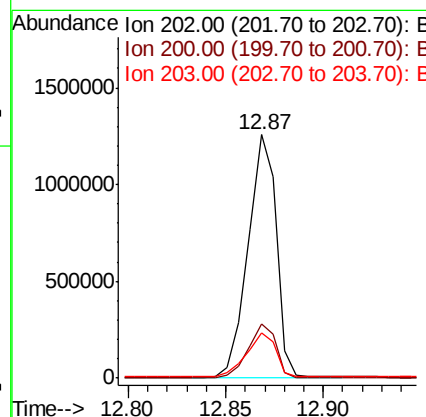
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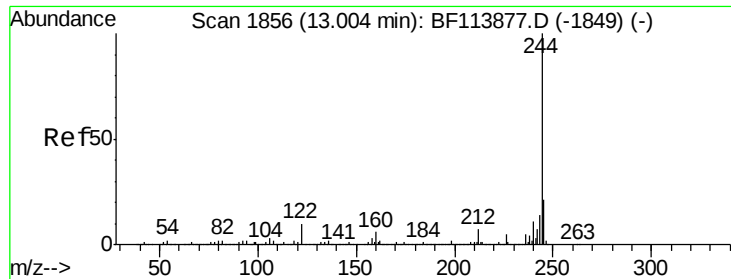
Sohil
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#78
Pyrene
Concen: 28.392 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.5	15.0	22.6





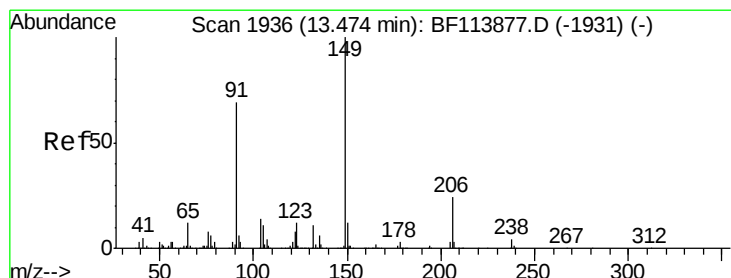
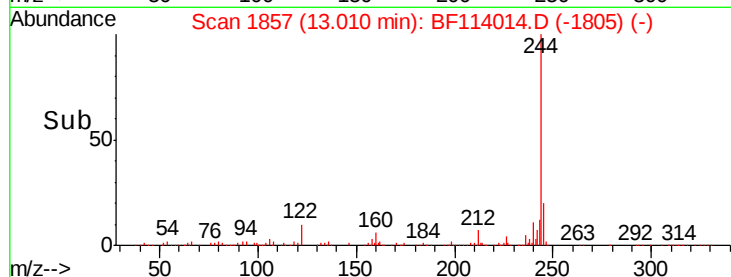
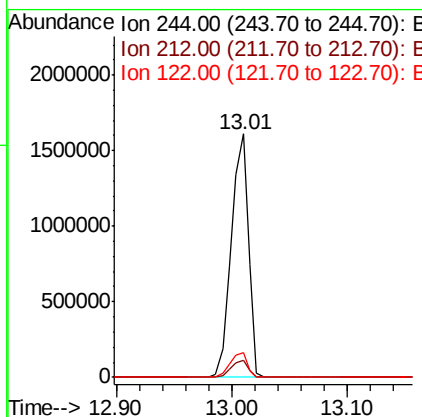
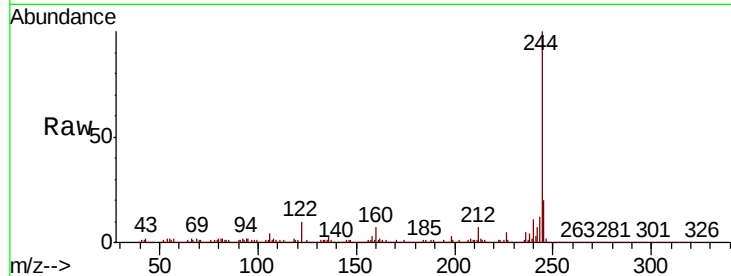
#79
 Terphenyl-d14
 Concen: 53.853 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.4	7.6	11.4

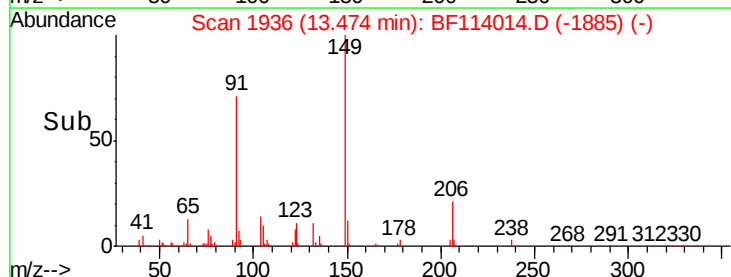
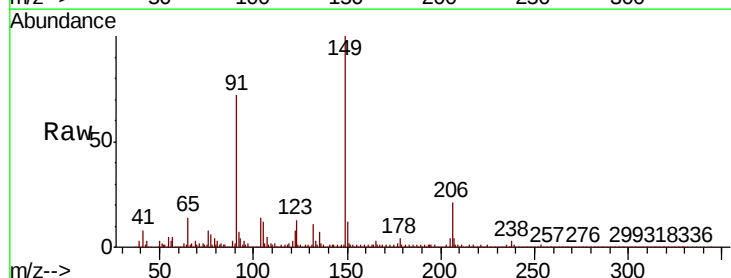
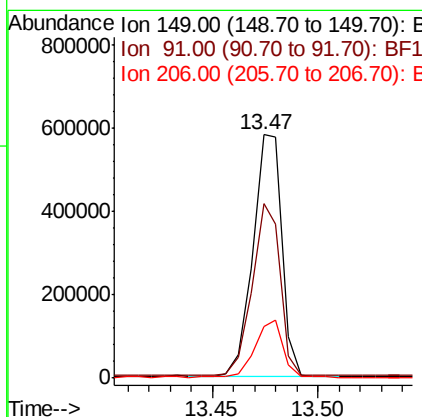
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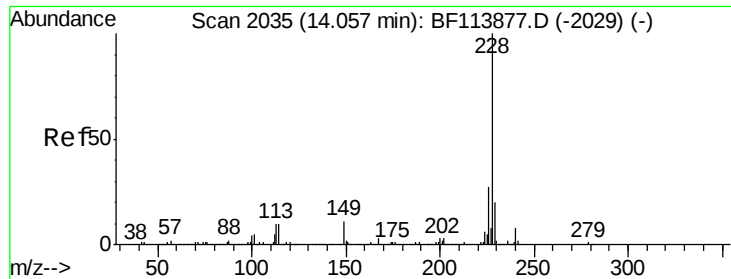
Sohil
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#80
 Butylbenzylphthalate
 Concen: 31.865 ng
 RT: 13.47 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: BF114014.D
 Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.7	56.3	84.5
206	21.4	19.0	28.6





#81

Benzo(a)anthracene

Concen: 28.567 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:228 Resp: 1060173

Ion Ratio Lower Upper

228 100

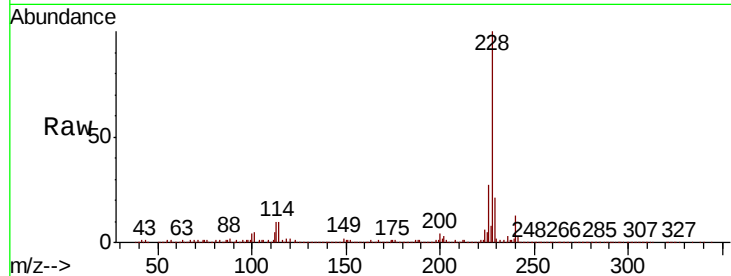
226 27.2 22.2 33.2

229 20.6 16.0 24.0

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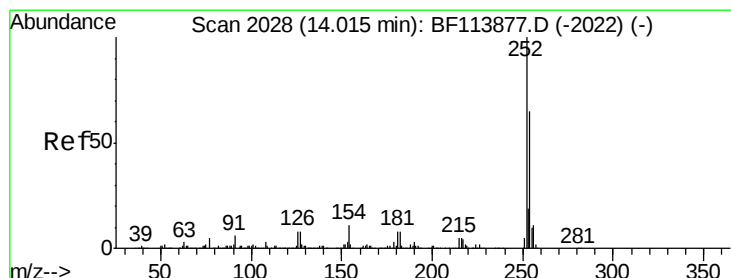
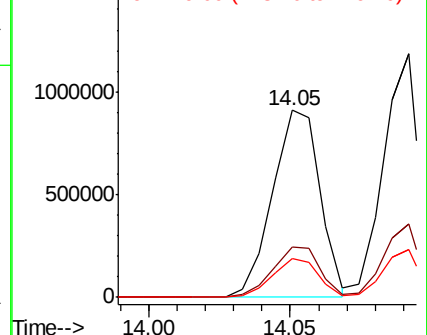
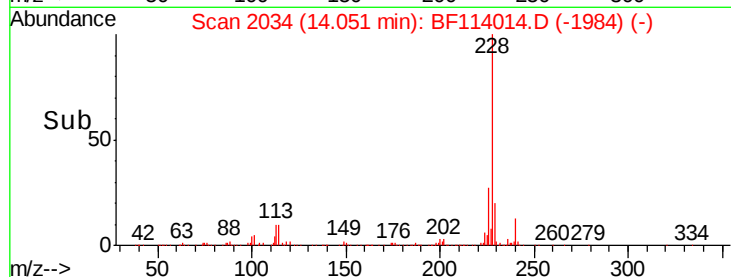


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 14.345 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

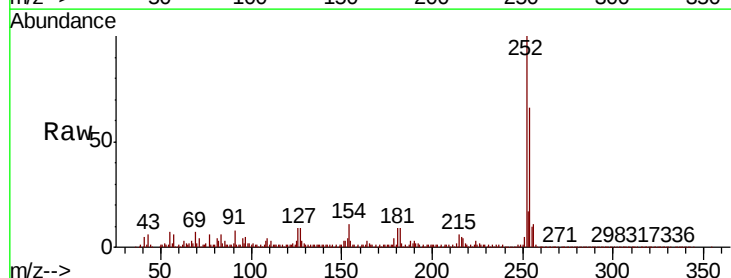
Tgt Ion:252 Resp: 195129

Ion Ratio Lower Upper

252 100

254 65.8 52.1 78.1

126 9.0 9.3 13.9#

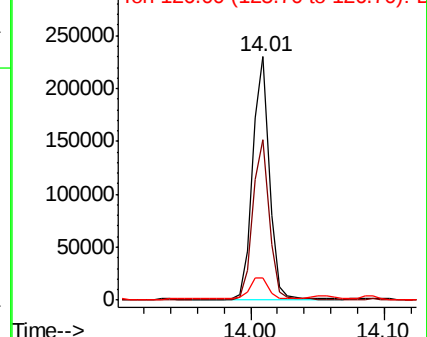
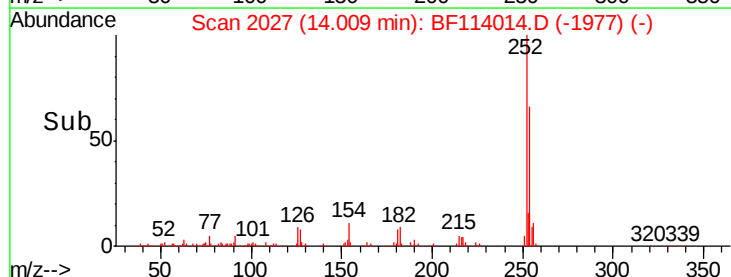


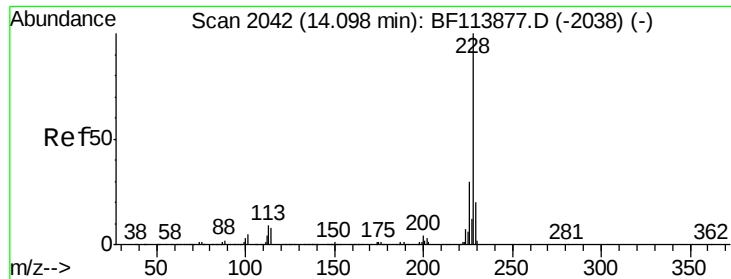
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





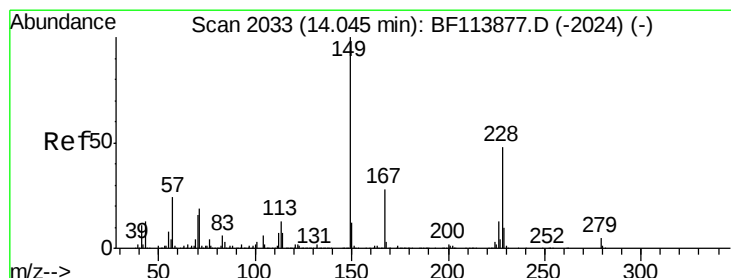
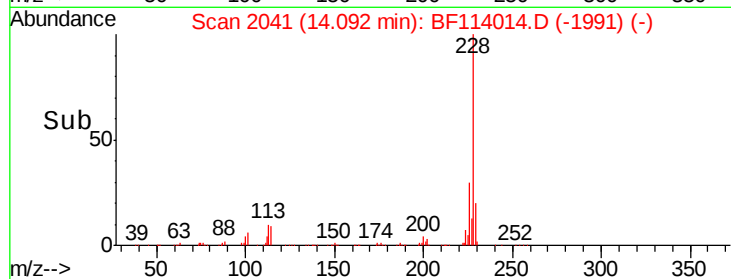
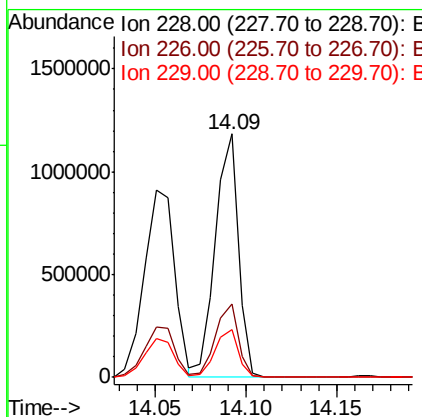
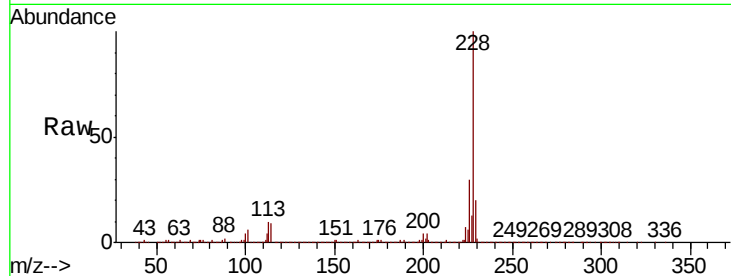
#83
Chrysene
Concen: 28.970 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.2	37.8
229	19.9	16.7	25.1

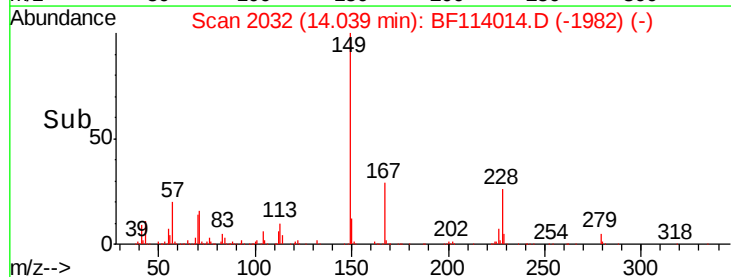
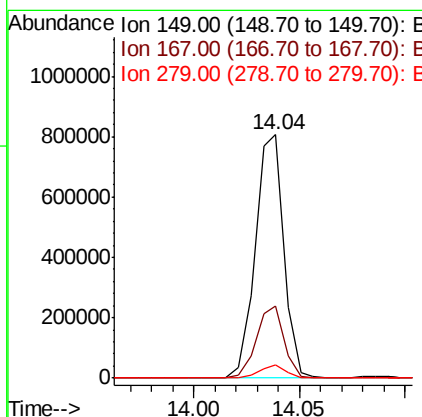
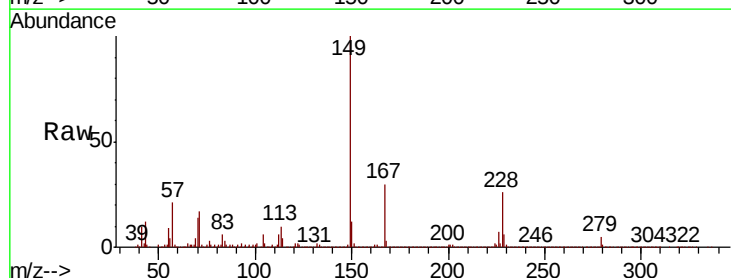
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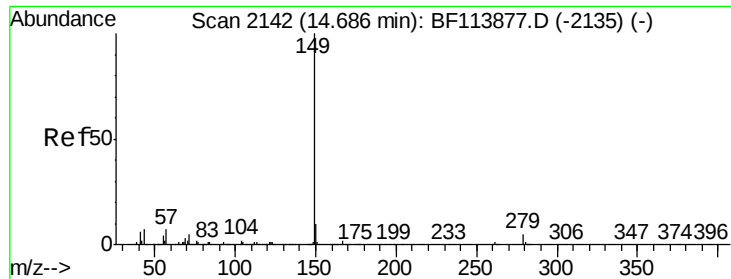
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 34.087 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.6	22.9	34.3
279	5.3	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 34.541 ng

RT: 14.66 min Scan# 2137

Delta R.T. -0.03 min

Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Instrument :

BNA_F

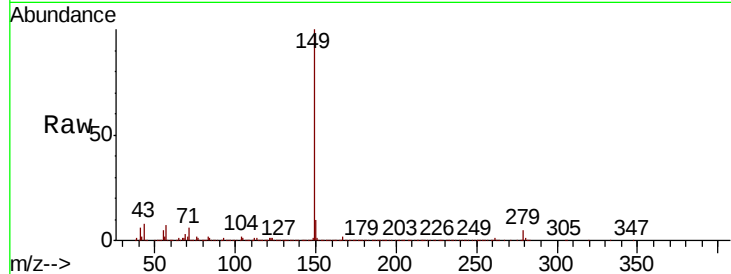
ClientSampleId :

114-PENNINGTONMSD

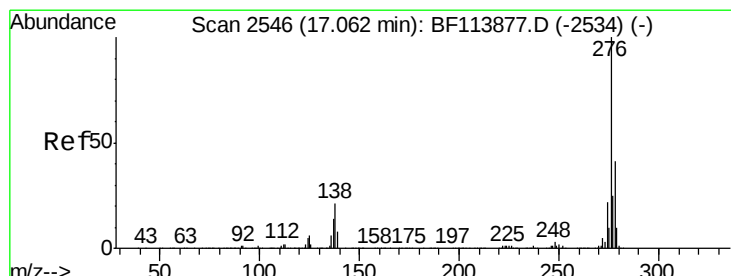
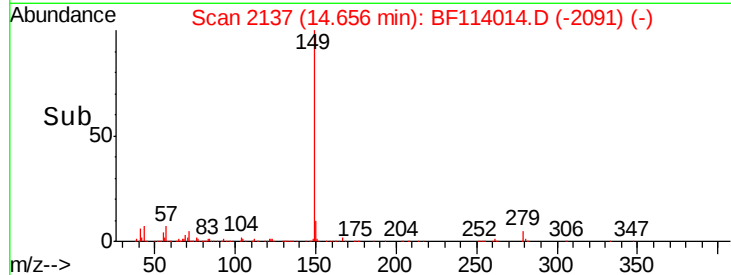
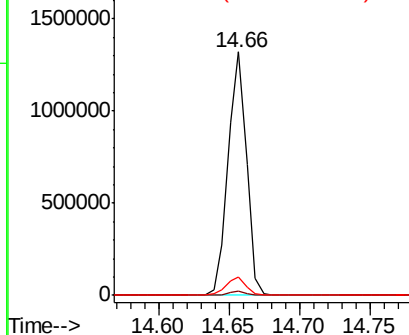
Tgt Ion:	149	Resp:	1192145
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	7.7	6.6	10.0

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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: 35.739 ng

RT: 17.04 min Scan# 2543

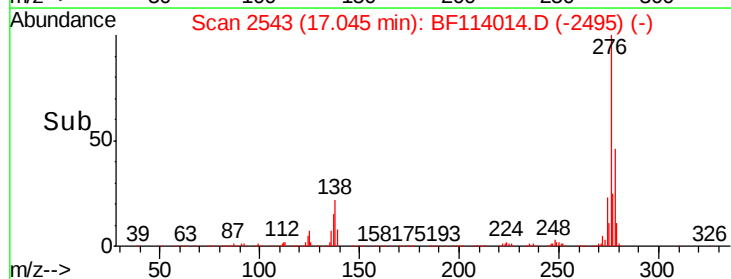
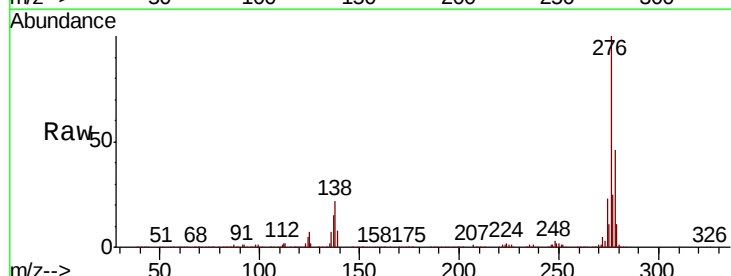
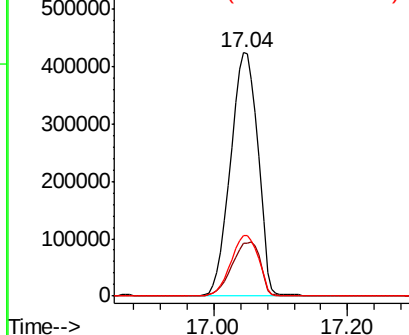
Delta R.T. -0.02 min

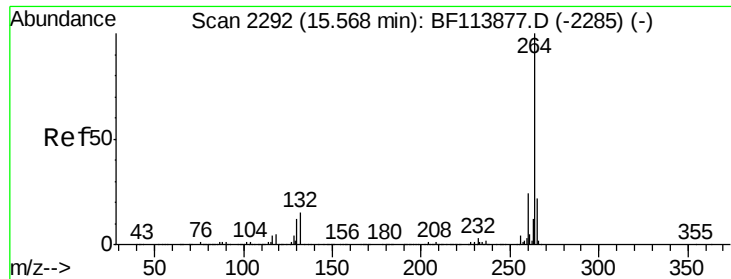
Lab File: BF114014.D

Acq: 26 Apr 2019 17:16

Tgt Ion:	276	Resp:	1223586
Ion Ratio	Lower	Upper	
276	100		
138	22.8	19.6	29.4
277	25.4	20.2	30.4

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





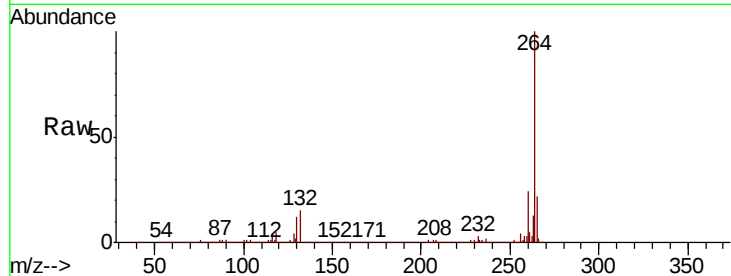
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

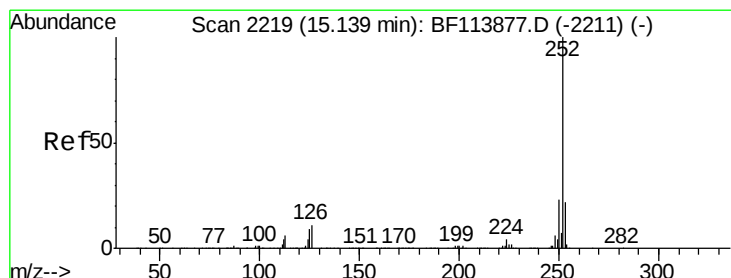
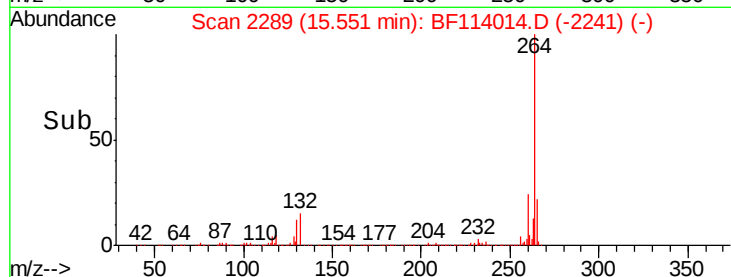
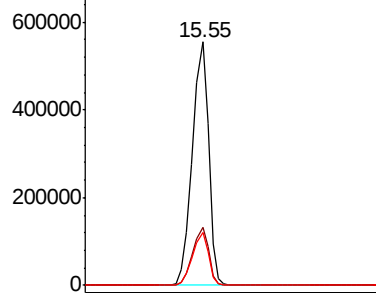
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	686899		
260	24.0	18.9	28.3	
265	21.5	17.3	25.9	

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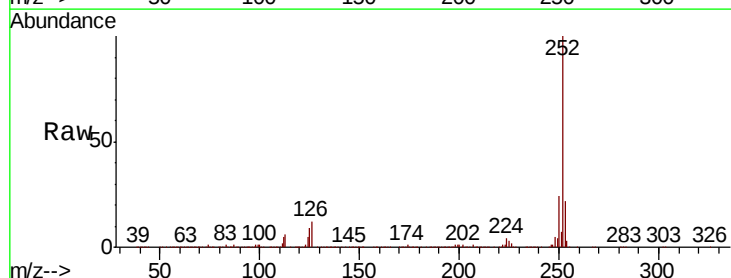


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

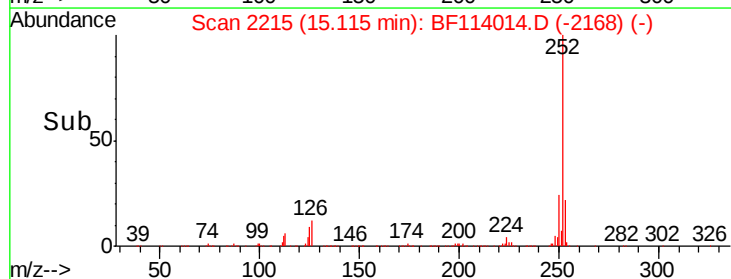
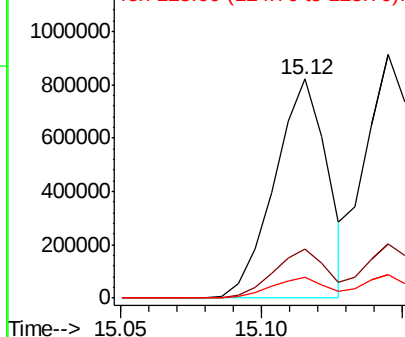


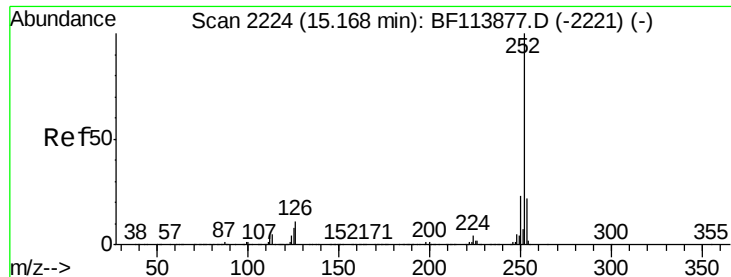
#88
Benzo(b)fluoranthene
Concen: 24.528 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1065990		
253	22.3	17.8	26.6	
125	9.3	7.0	10.6	



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





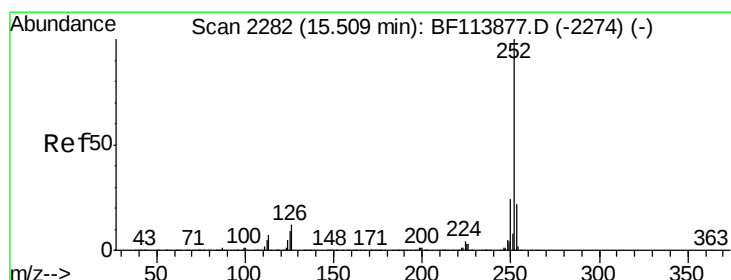
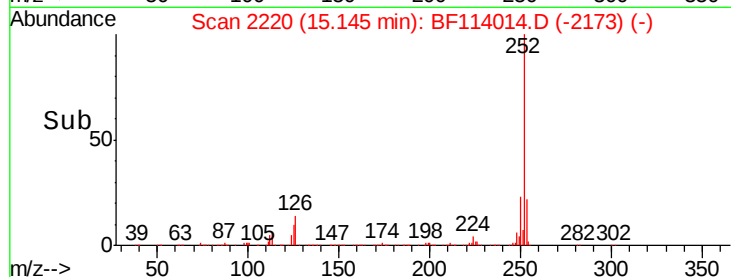
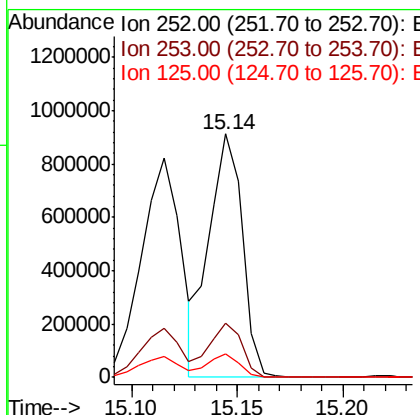
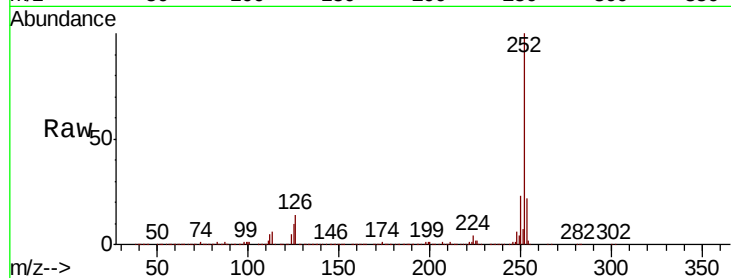
#89
Benzo(k)fluoranthene
Concen: 26.688 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.8	7.4	11.2

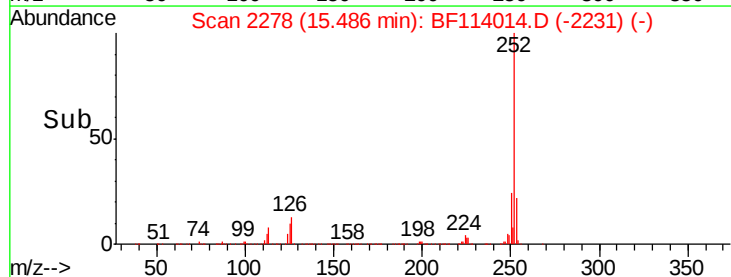
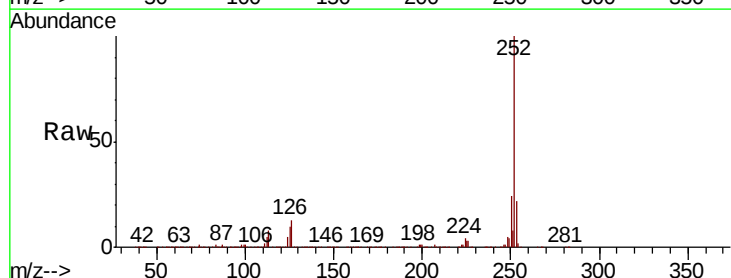
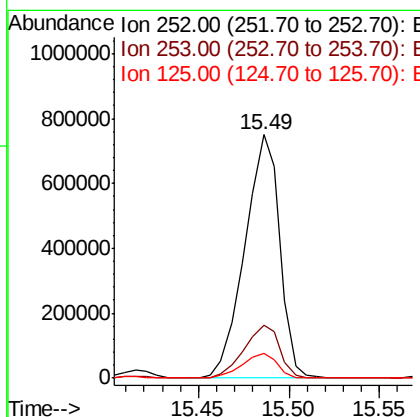
Manual Integrations
APPROVED

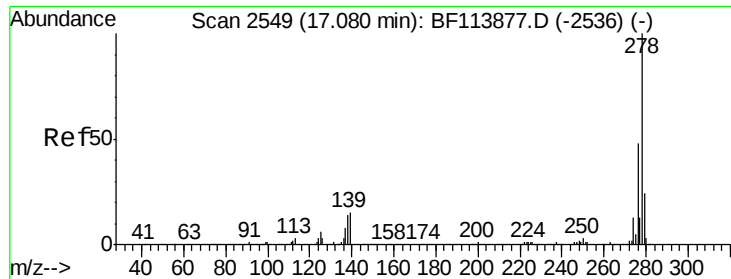
Sohil
4/27/2019 2:36:53 AM



#90
Benzo(a)pyrene
Concen: 26.722 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.3	8.5	12.7





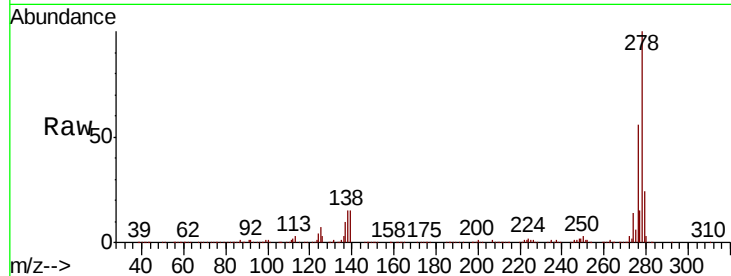
#91
Dibenzo(a,h)anthracene
Concen: 28.234 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

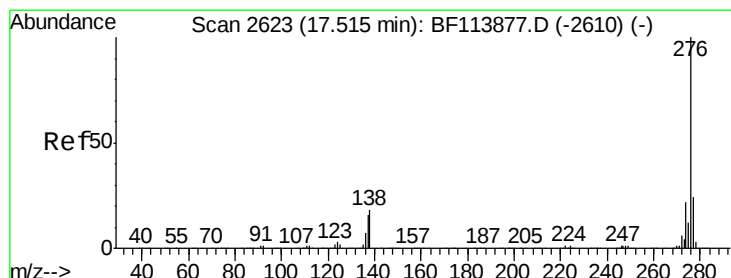
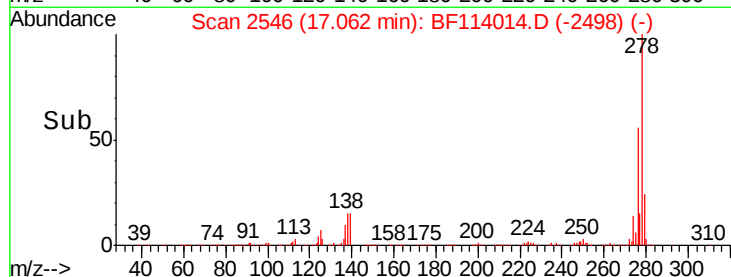
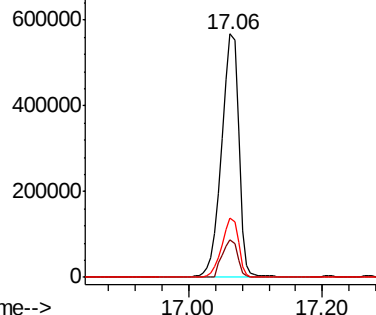
Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.6	17.4
279	24.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
4/27/2019 2:36:53 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 28.963 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF114014.D
Acq: 26 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	19.1	16.6	25.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

