

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118874.D
 Acq On : 10 Feb 2020 17:46
 Operator : CG/JU
 Sample : L1472-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Quant Time: Feb 11 00:16:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	196203	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	741425	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	552947	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1213188	20.00	ng	0.00
76) Chrysene-d12	13.97	240	731475	20.00	ng	0.00
87) Perylene-d12	15.42	264	686308	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1335557	128.85	ng	0.01
7) Phenol-d6	6.46	99	1649583	128.21	ng	0.00
23) Nitrobenzene-d5	7.38	82	1075721	86.48	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	898610	135.82	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2706022	87.49	ng	0.00
79) Terphenyl-d14	12.92	244	3111733	87.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	274779	58.171	ng	98
3) Pyridine	3.33	79	705398	53.779	ng	99
4) n-Nitrosodimethylamine	3.26	42	309078	64.721	ng	100
6) Aniline	6.47	93	543380	32.790	ng	# 44
8) 2-Chlorophenol	6.60	128	626051	54.228	ng	99
9) Benzaldehyde	6.36	77	277995	36.272	ng	98
10) Phenol	6.47	94	714124	49.915	ng	84
11) bis(2-Chloroethyl)ether	6.55	93	573508	52.397	ng	100
12) 1,3-Dichlorobenzene	6.76	146	676469	49.226	ng	99
13) 1,4-Dichlorobenzene	6.83	146	684787	49.957	ng	99
14) 1,2-Dichlorobenzene	6.99	146	637115	48.656	ng	98
15) Benzyl Alcohol	6.96	79	519677	52.253	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	646615	48.240	ng	94
17) 2-Methylphenol	7.07	107	501798	52.280	ng	99
18) Hexachloroethane	7.33	117	239649	48.712	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	402547	51.133	ng	98
20) 3+4-Methylphenols	7.23	107	596261	49.560	ng	96
22) Acetophenone	7.22	105	798217	49.553	ng	# 96
24) Nitrobenzene	7.40	77	619378	49.843	ng	95
25) Isophorone	7.64	82	1134933	50.768	ng	98
26) 2-Nitrophenol	7.72	139	348412	52.618	ng	96
27) 2,4-Dimethylphenol	7.76	122	536168	59.609	ng	100
28) bis(2-Chloroethoxy)methane	7.85	93	715975	49.390	ng	99
29) 2,4-Dichlorophenol	7.96	162	557068	51.714	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	610151	48.460	ng	99
31) Naphthalene	8.12	128	1730396	51.029	ng	99
32) Benzoic acid	7.89	122	326839	43.887	ng	99
33) 4-Chloroaniline	8.16	127	237592	15.661	ng	99
34) Hexachlorobutadiene	8.24	225	370208	47.992	ng	99
35) Caprolactam	8.55	113	180804	51.776	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	583703	53.844	ng	99
37) 2-Methylnaphthalene	8.81	142	1240402	52.743	ng	97
38) 1-Methylnaphthalene	8.91	142	1164787	52.649	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	788221	47.232	ng	99

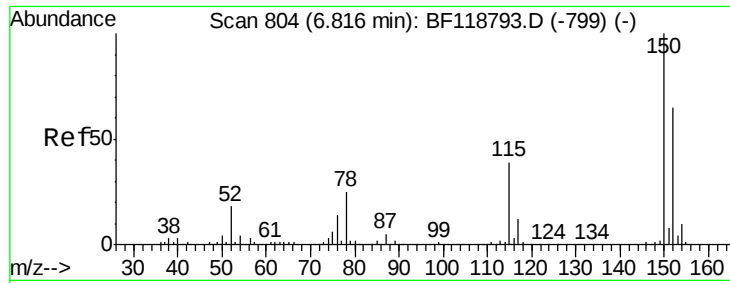
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	553957	84.654	ng	98
43) 2,4,6-Trichlorophenol	9.09	196	547715	49.080	ng	100
44) 2,4,5-Trichlorophenol	9.14	196	594851	52.168	ng	99
46) 1,1'-Biphenyl	9.27	154	1903263	49.759	ng	100
47) 2-Chloronaphthalene	9.30	162	1547858	48.677	ng	99
48) 2-Nitroaniline	9.39	65	454242	49.529	ng	90
49) Acenaphthylene	9.72	152	2363691	51.482	ng	99
50) Dimethylphthalate	9.58	163	2054799	54.576	ng	99
51) 2,6-Dinitrotoluene	9.63	165	452852	52.567	ng	94
52) Acenaphthene	9.89	154	1391996	46.010	ng	100
53) 3-Nitroaniline	9.80	138	240080	25.128	ng	98
54) 2,4-Dinitrophenol	9.92	184	374861	90.514	ng	96
55) Dibenzofuran	10.06	168	2262818	51.754	ng	99
56) 4-Nitrophenol	9.98	139	674631	97.565	ng	99
57) 2,4-Dinitrotoluene	10.04	165	638578	56.012	ng	# 85
58) Fluorene	10.40	166	1774214	53.938	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	529115	53.134	ng	99
60) Diethylphthalate	10.27	149	2028355	55.403	ng	100
61) 4-Chlorophenyl-phenylether	10.39	204	953162	53.432	ng	97
62) 4-Nitroaniline	10.42	138	488882	51.098	ng	99
63) Azobenzene	10.55	77	1832393	58.626	ng	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	355694	52.177	ng	97
66) n-Nitrosodiphenylamine	10.51	169	1712461	48.731	ng	98
67) 4-Bromophenyl-phenylether	10.88	248	687228	47.885	ng	97
68) Hexachlorobenzene	10.95	284	758755	46.094	ng	98
69) Atrazine	11.04	200	676241	57.761	ng	100
70) Pentachlorophenol	11.15	266	753795	86.725	ng	99
71) Phenanthrene	11.36	178	2812402	47.116	ng	98
72) Anthracene	11.42	178	2890460	48.676	ng	99
73) Carbazole	11.57	167	2610918	50.100	ng	99
74) Di-n-butylphthalate	11.90	149	2507653	37.774	ng	100
75) Fluoranthene	12.55	202	2394916	36.748	ng	99
77) Benzidine	12.67	184	1183411	53.490	ng	98
78) Pyrene	12.78	202	2384388	47.516	ng	99
80) Butylbenzylphthalate	13.39	149	1196799	52.253	ng	100
81) Benzo(a)anthracene	13.97	228	2027287	46.575	ng	99
82) 3,3'-Dichlorobenzidine	13.92	252	674479	37.887	ng	99
83) Chrysene	14.00	228	2040554	46.709	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1673739	57.598	ng	98
85) Di-n-octyl phthalate	14.56	149	2838406	57.017	ng	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	2257067	51.422	ng	100
88) Benzo(b)fluoranthene	15.00	252	2017614	47.377	ng	99
89) Benzo(k)fluoranthene	15.03	252	1939054	52.287	ng	99
90) Benzo(a)pyrene	15.36	252	1775607	48.719	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	1906295	58.919	ng	99
92) Benzo(g,h,i)perylene	17.30	276	1889109	60.713	ng	99

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

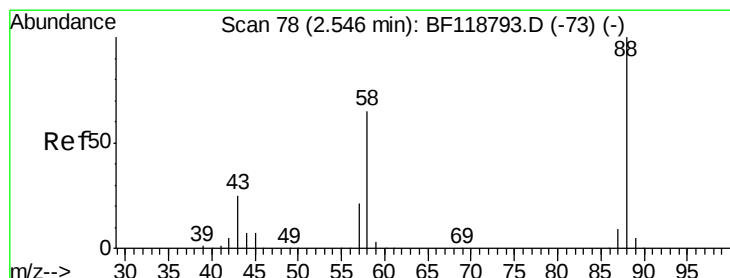
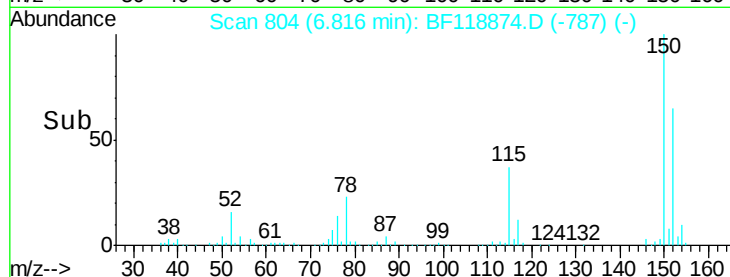
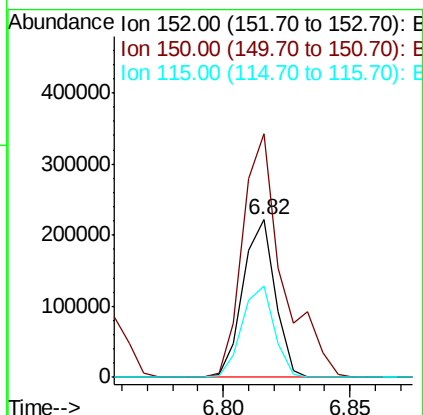
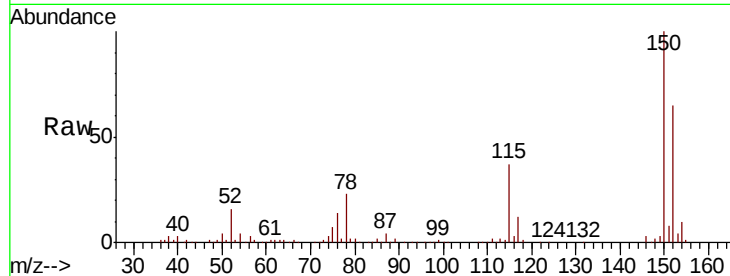


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

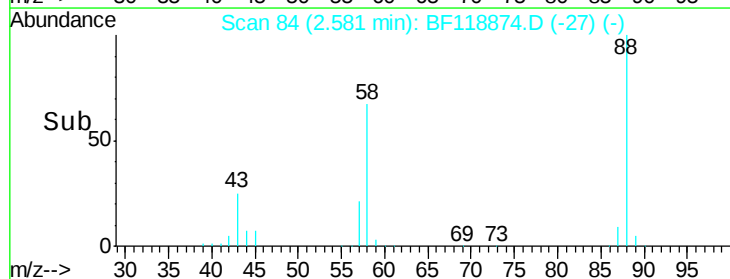
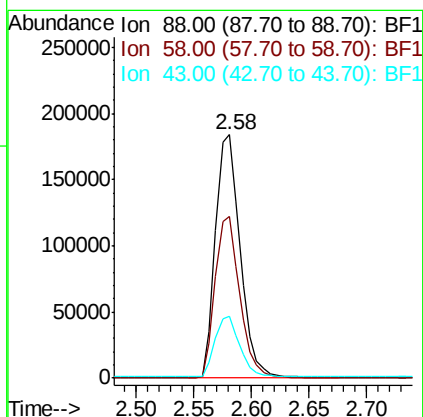
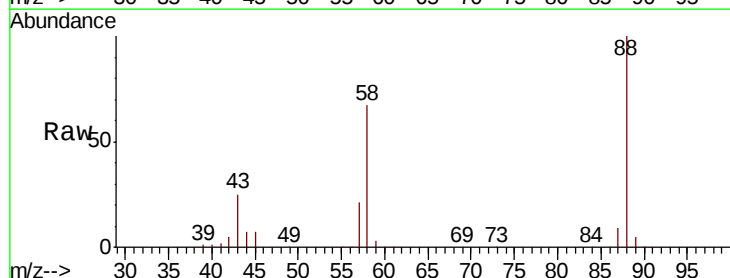
Tot Ion:152 Resp: 196203
Ion Ratio Lower Upper
152 100
150 154.3 123.6 185.4
115 57.7 48.2 72.2

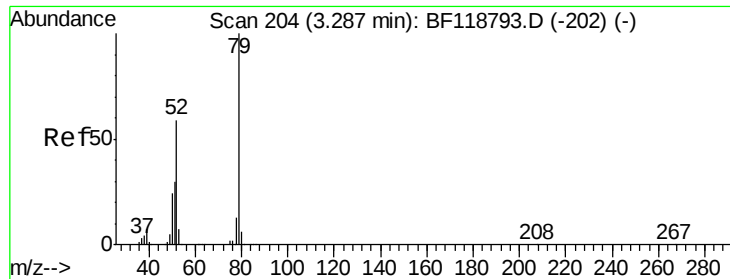


#2

1,4-Dioxane
Concen: 58.171 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.04 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion: 88 Resp: 274779
Ion Ratio Lower Upper
88 100
58 66.3 51.6 77.4
43 25.3 19.8 29.6

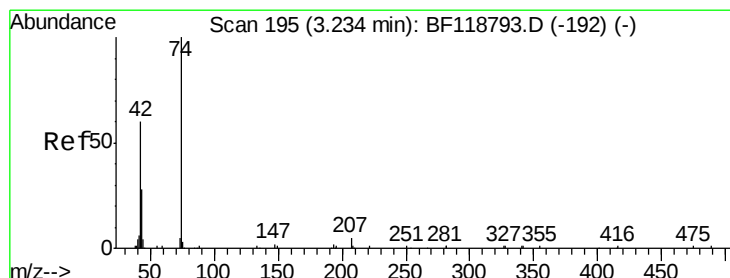
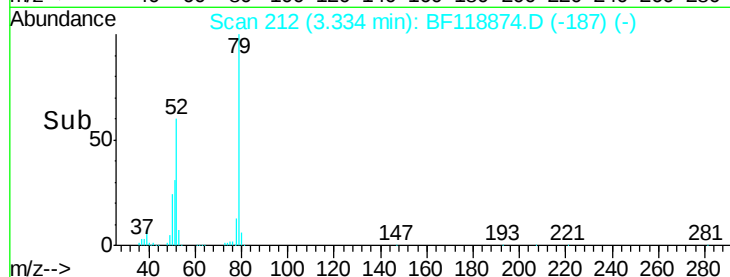
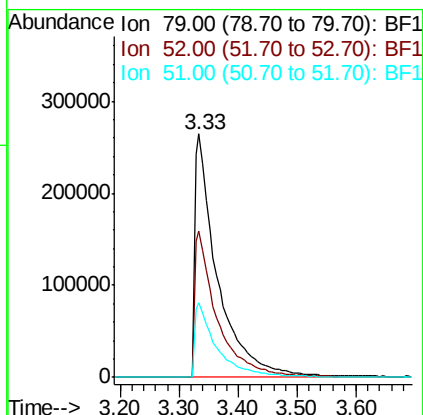
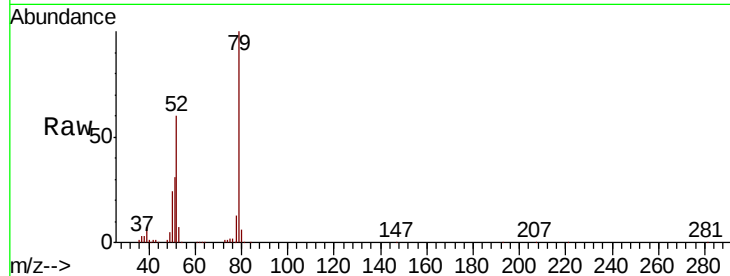




#3
 Pvridine
 Concen: 53.779 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.05 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

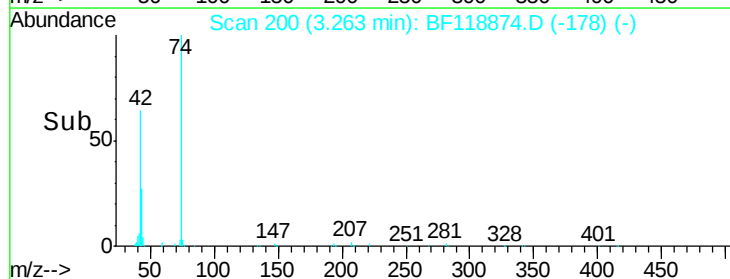
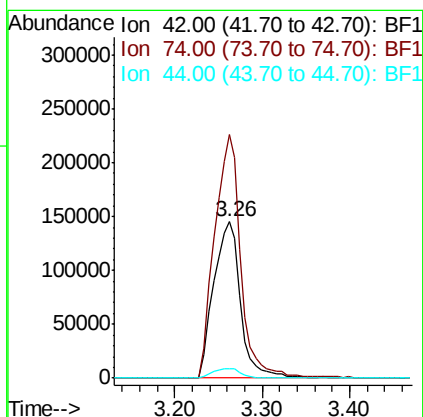
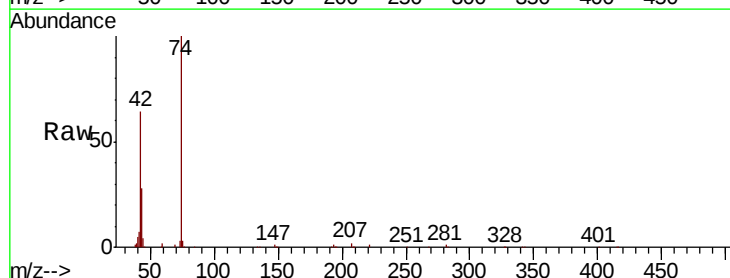
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

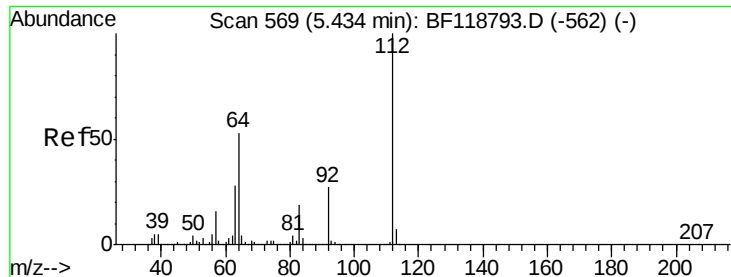
Tot Ion: 79 Resp: 705398
 Ion Ratio Lower Upper
 79 100
 52 60.0 47.4 71.0
 51 30.6 24.2 36.4



#4
 n-Nitrosodimethylamine
 Concen: 64.721 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.03 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion: 42 Resp: 309078
 Ion Ratio Lower Upper
 42 100
 74 155.8 124.3 186.5
 44 6.3 5.3 7.9





#5

2-Fluorophenol

Concen: 128.852 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

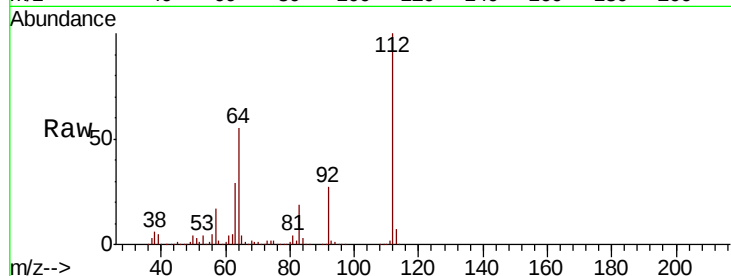
Tot Ion:112 Resp: 1335557

Ion Ratio Lower Upper

112 100

64 54.6 42.6 63.8

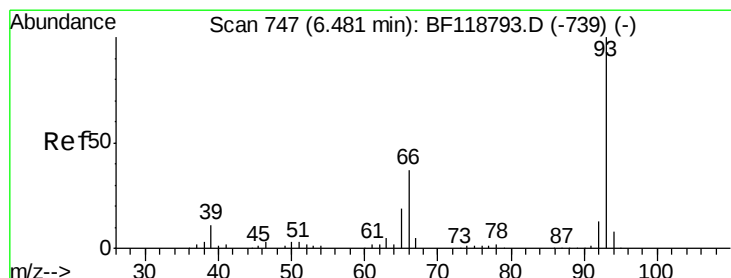
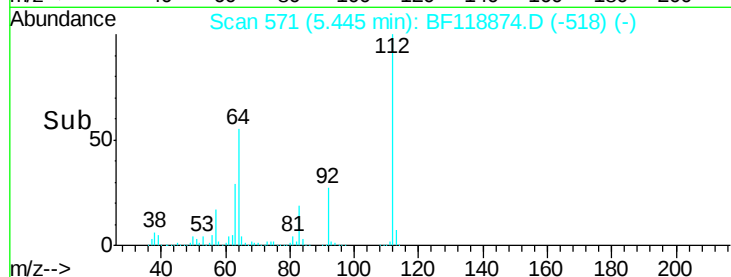
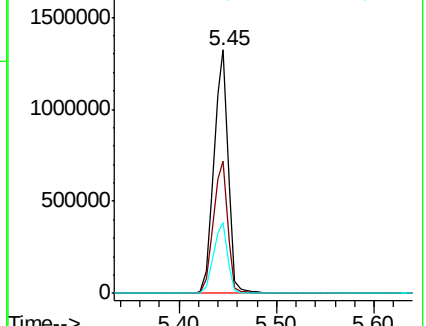
63 29.0 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 32.790 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

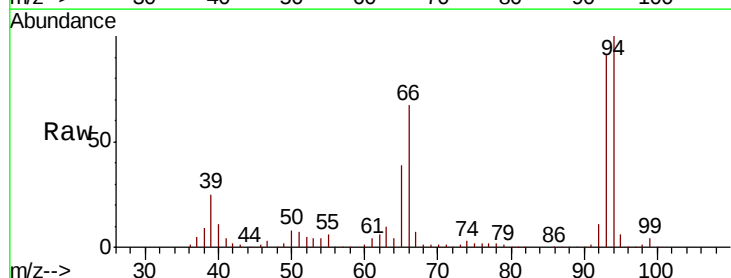
Tgt Ion: 93 Resp: 543380

Ion Ratio Lower Upper

93 100

66 73.6 30.8 46.2#

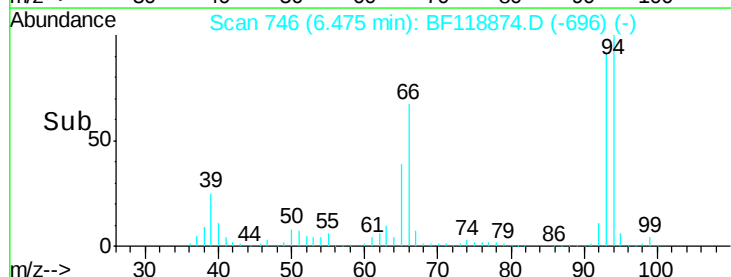
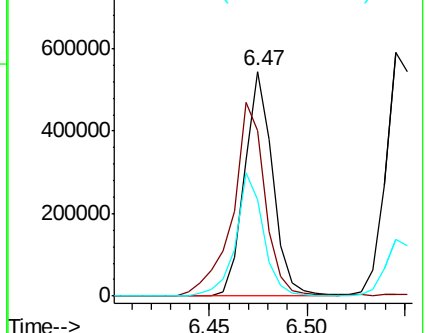
65 43.1 15.4 23.0#

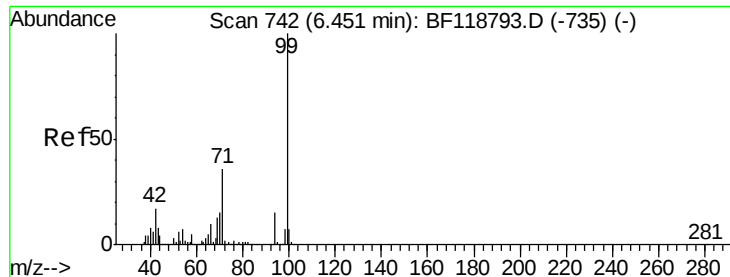


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.206 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

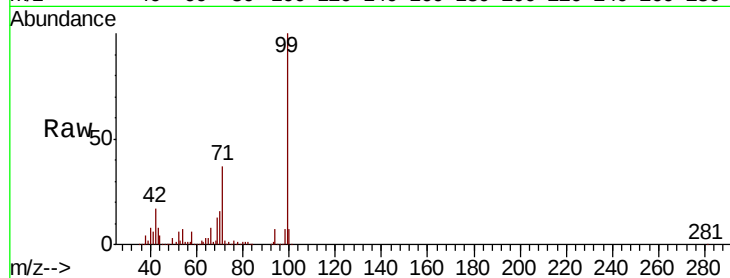
Tot Ion: 99 Resp: 1649583

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

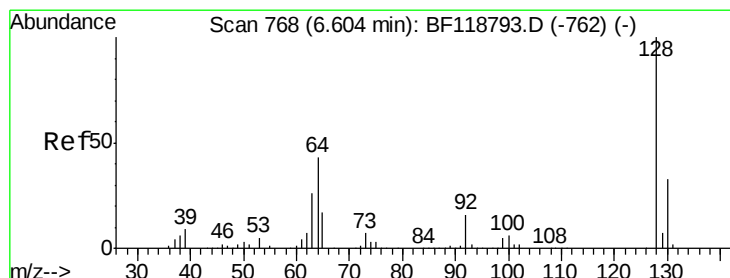
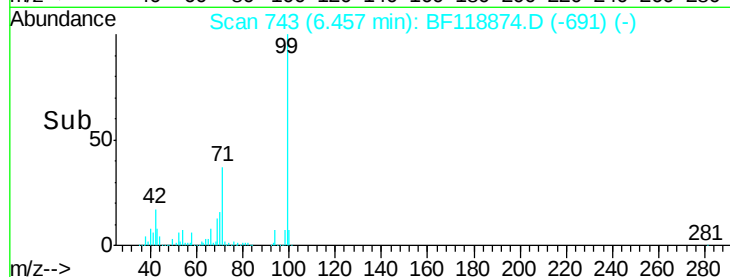
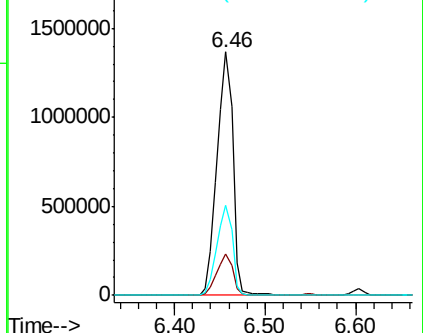
71 37.0 29.0 43.6



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: 54.228 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

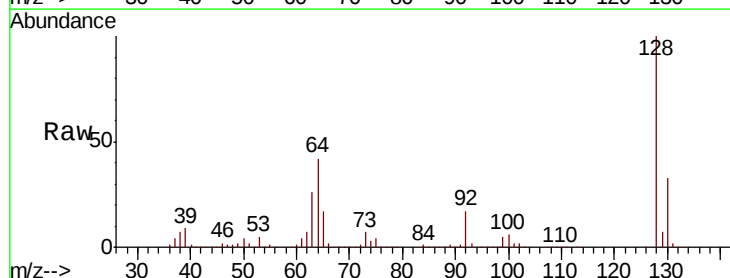
Tgt Ion: 128 Resp: 626051

Ion Ratio Lower Upper

128 100

130 33.3 13.1 53.1

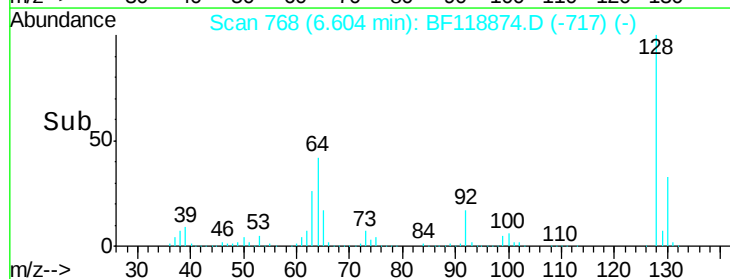
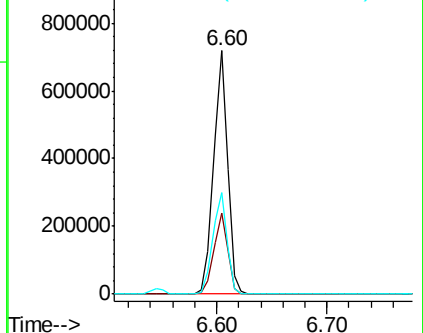
64 41.5 23.0 63.0

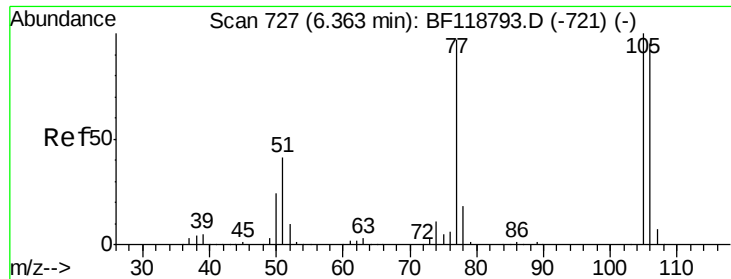


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

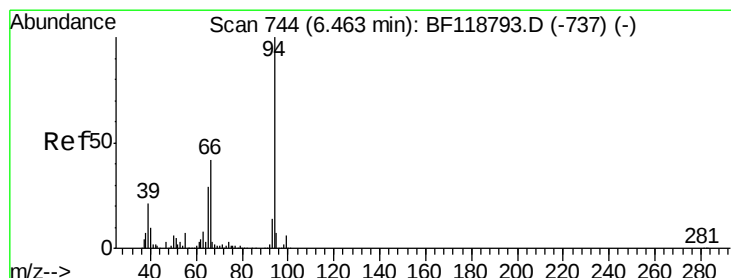
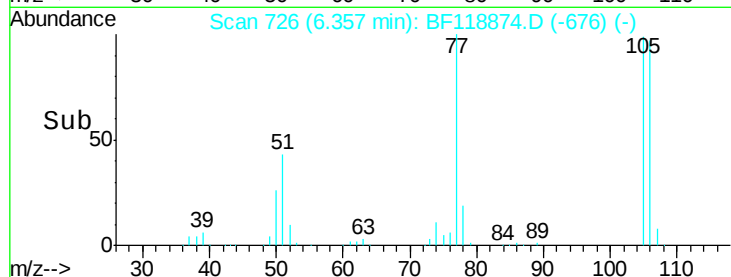
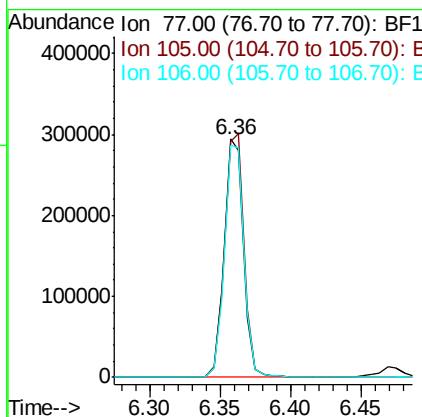
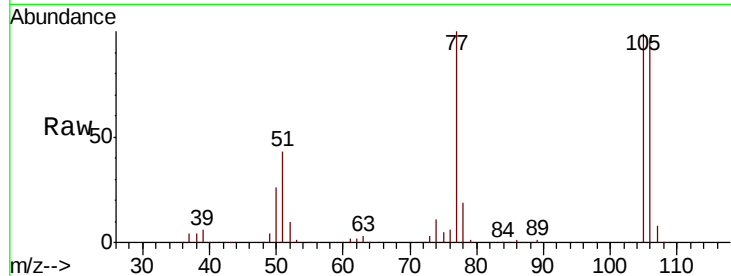




#9
Benzaldehyde
Concen: 36.272 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

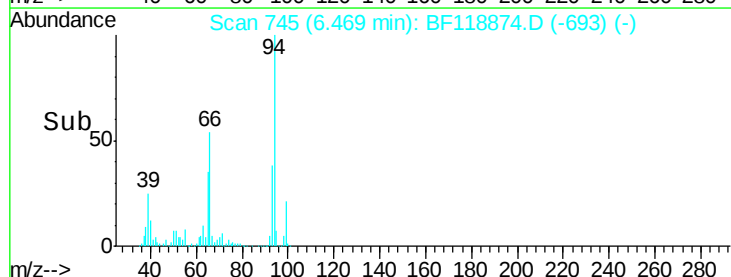
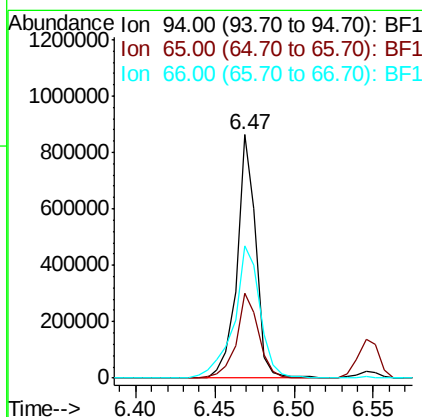
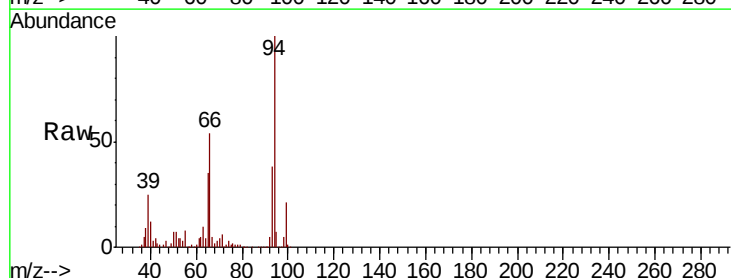
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

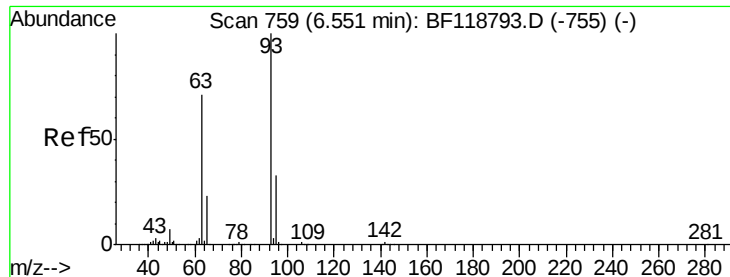
Tot Ion: 77 Resp: 277995
Ion Ratio Lower Upper
77 100
105 98.9 82.8 122.8
106 97.4 78.1 118.1



#10
Phenol
Concen: 49.915 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion: 94 Resp: 714124
Ion Ratio Lower Upper
94 100
65 34.6 9.1 49.1
66 54.2 21.7 61.7





#11

bis(2-Chloroethyl)ether

Concen: 52.397 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

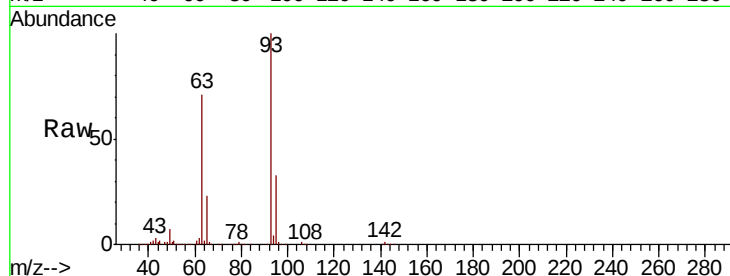
Tot Ion: 93 Resp: 573508

Ion Ratio Lower Upper

93 100

63 70.6 50.7 90.7

95 32.6 12.6 52.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

800000

600000

400000

200000

0

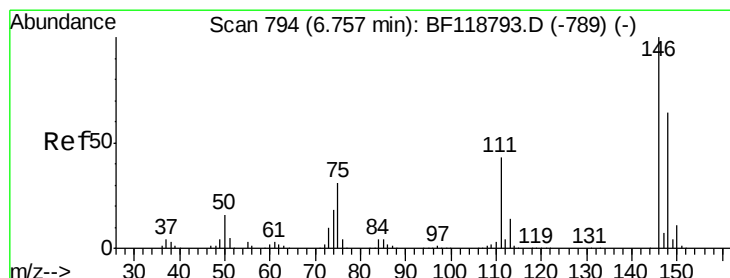
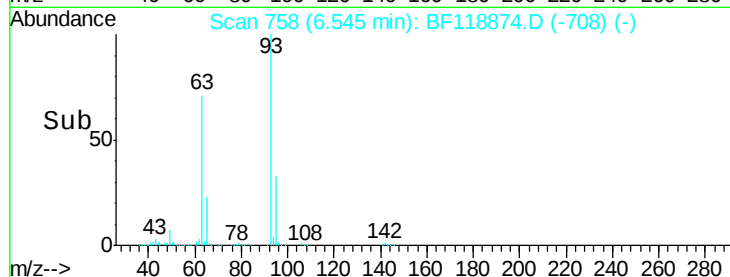
6.55

6.50

6.55

6.60

Time-->



#12

1,3-Dichlorobenzene

Concen: 49.226 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

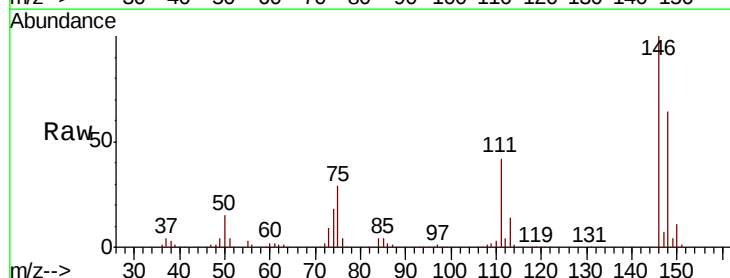
Tgt Ion: 146 Resp: 676469

Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

75 29.2 25.0 37.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

1000000

800000

600000

400000

200000

0

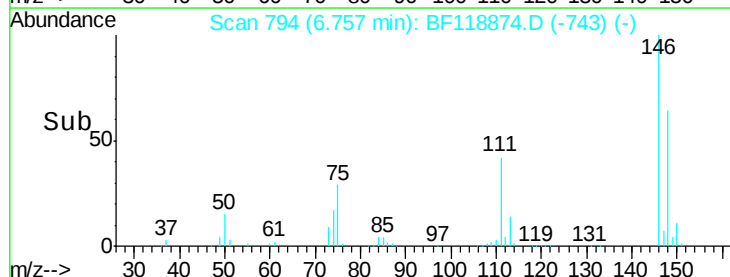
6.76

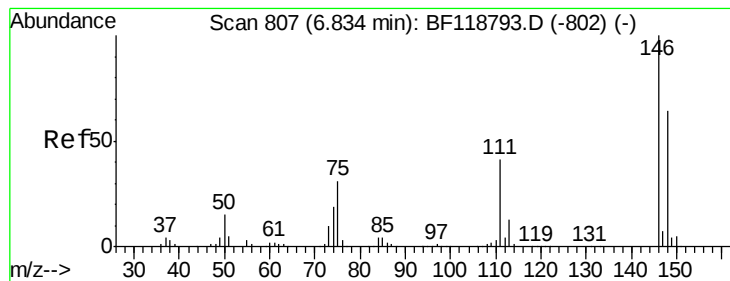
6.70

6.75

6.80

Time-->





#13

1,4-Dichlorobenzene

Concen: 49.957 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

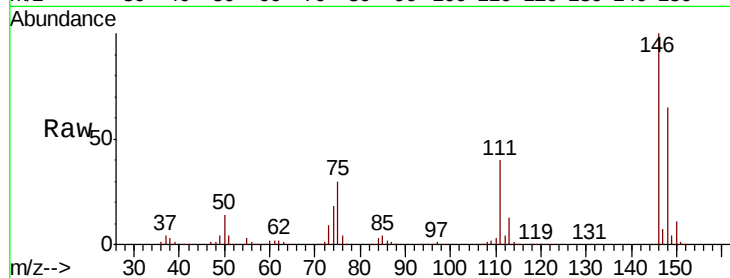
Tot Ion:146 Resp: 684787

Ion Ratio Lower Upper

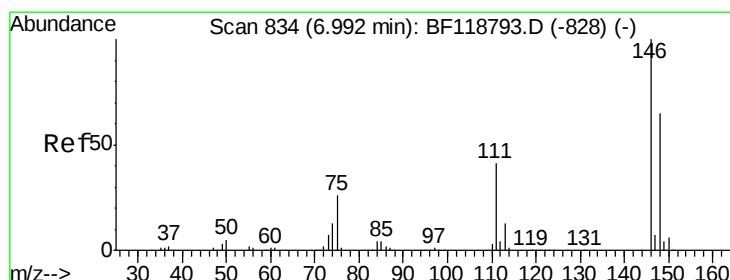
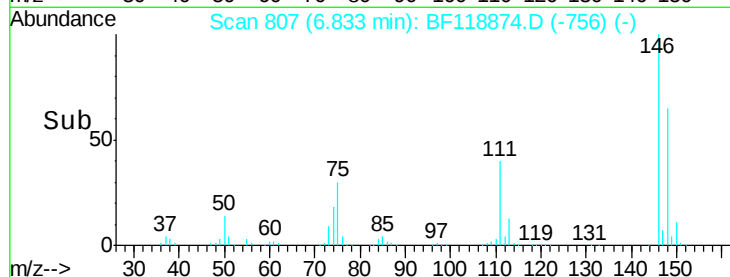
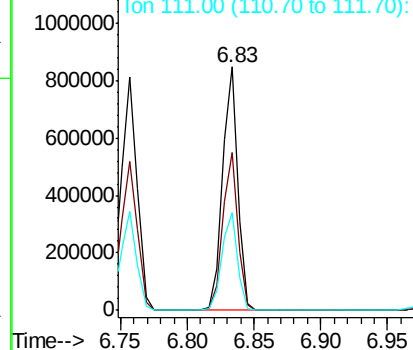
146 100

148 64.7 51.6 77.4

111 40.1 32.9 49.3



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



#14

1,2-Dichlorobenzene

Concen: 48.656 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

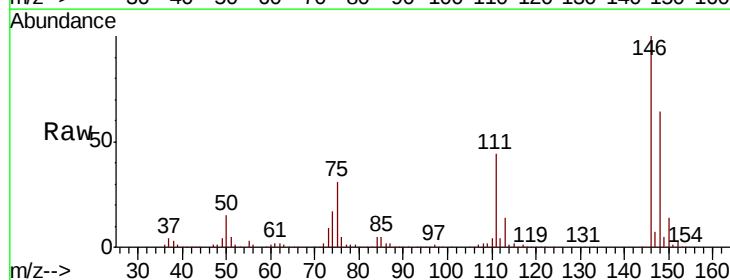
Tgt Ion:146 Resp: 637115

Ion Ratio Lower Upper

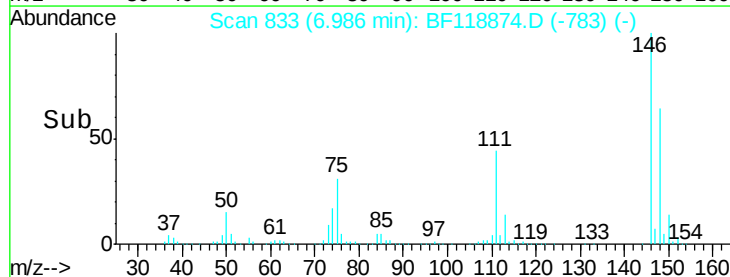
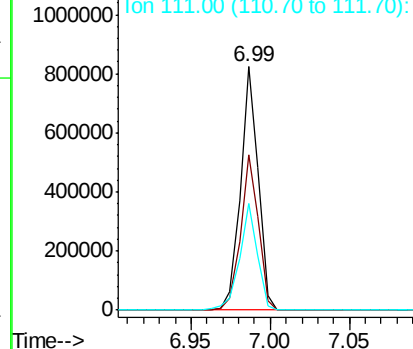
146 100

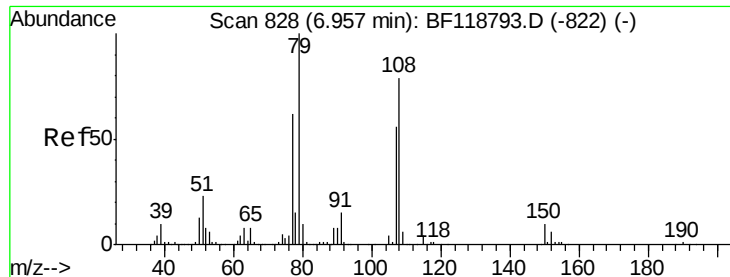
148 63.9 51.6 77.4

111 43.7 32.7 49.1



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





#15

Benzyl Alcohol

Concen: 52.253 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

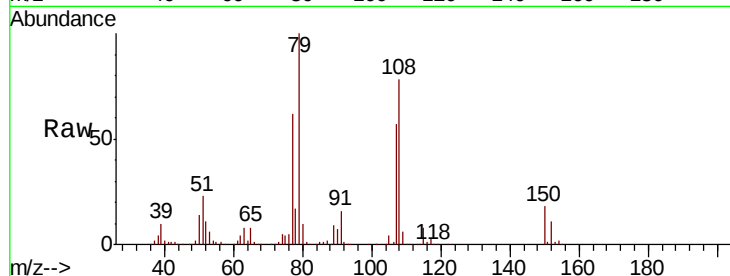
Tot Ion: 79 Resp: 519677

Ion Ratio Lower Upper

79 100

108 77.8 62.9 94.3

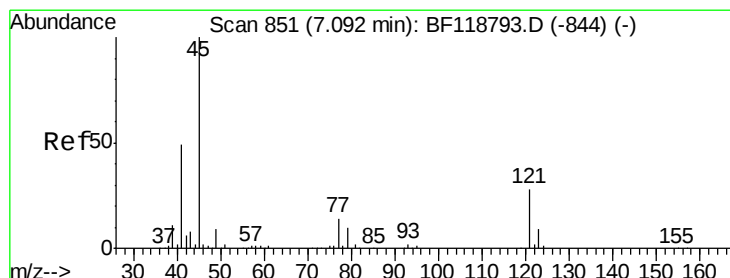
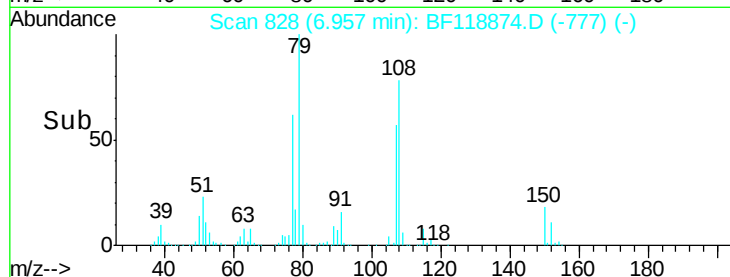
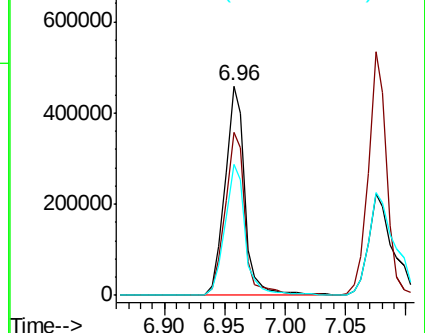
77 62.5 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 48.240 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

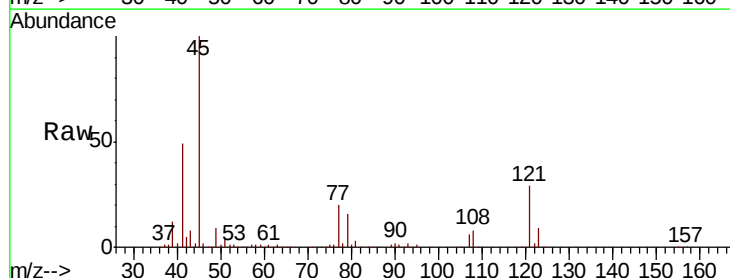
Tgt Ion: 45 Resp: 646615

Ion Ratio Lower Upper

45 100

77 19.7 0.0 37.1

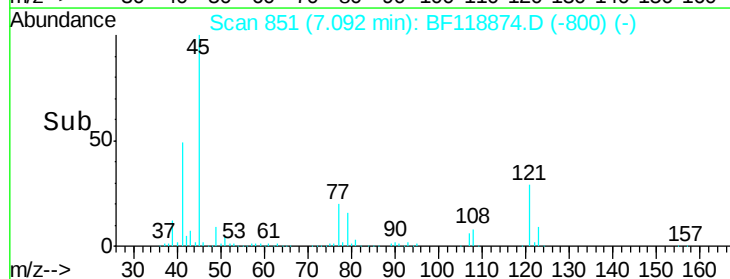
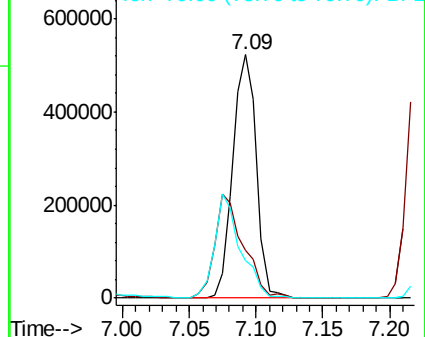
79 15.7 0.0 33.1

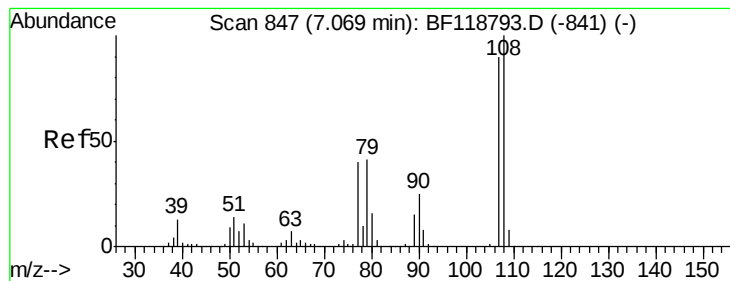


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

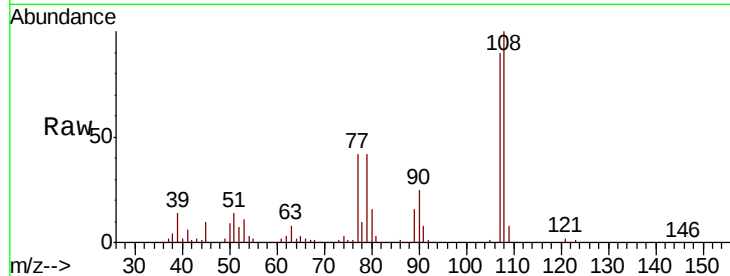




#17
2-Methylphenol
Concen: 52.280 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampled :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.8	89.3	133.9
77	46.7	36.2	54.2
79	46.3	36.3	54.5



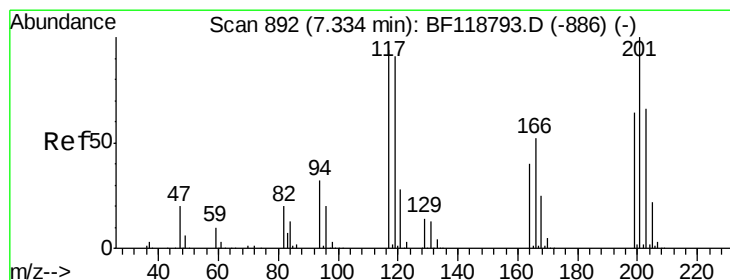
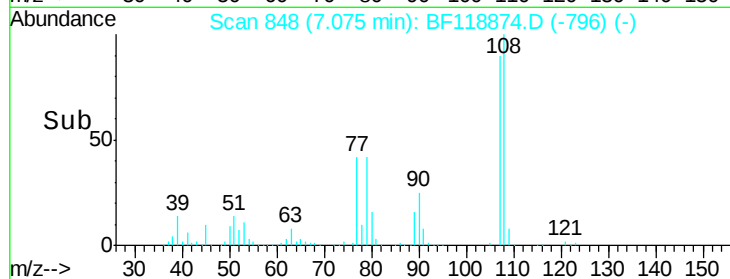
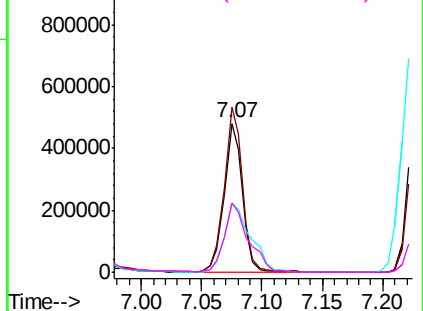
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

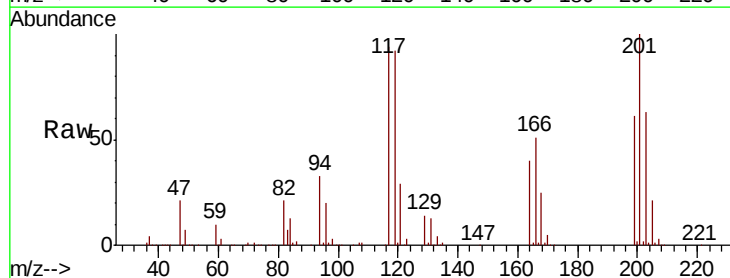
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 48.712 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.4	116.0
201	106.2	85.1	127.7

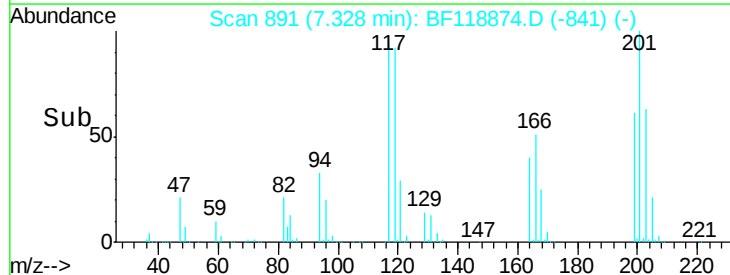
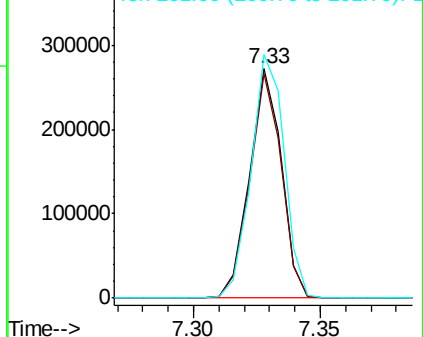


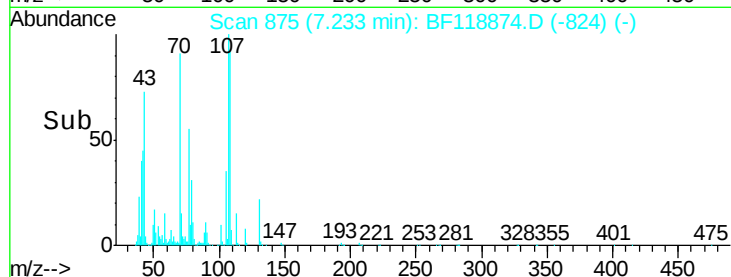
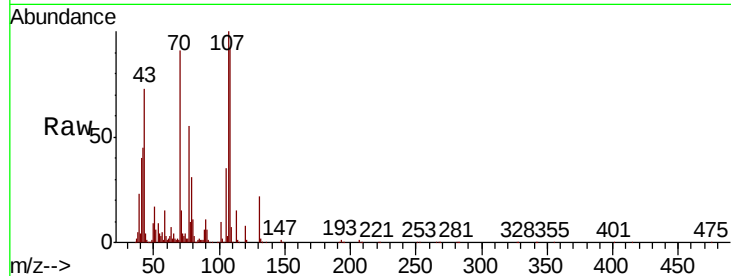
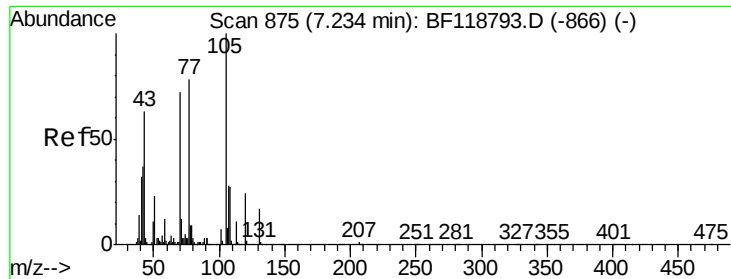
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

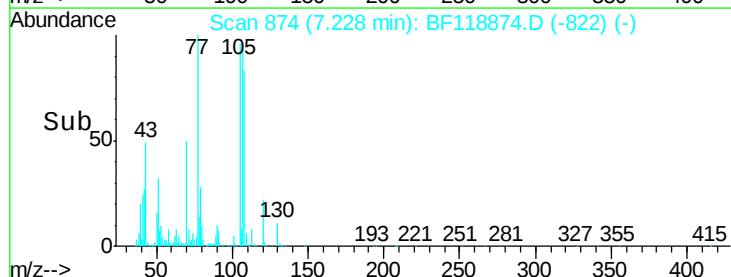
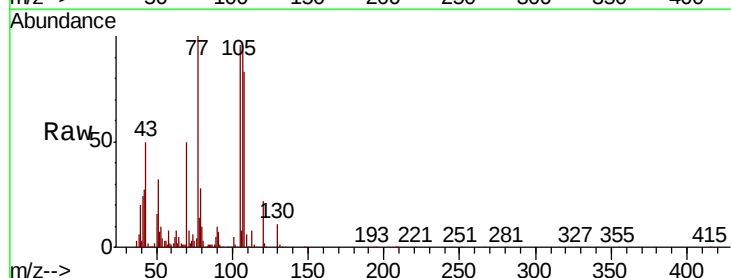
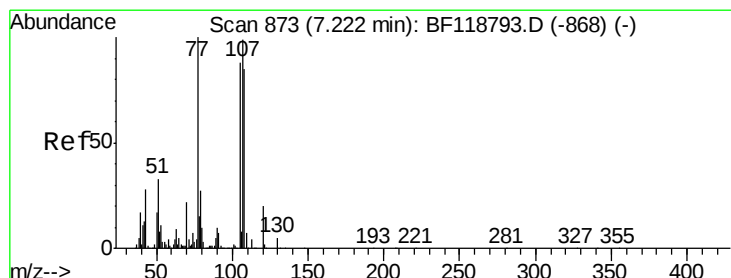
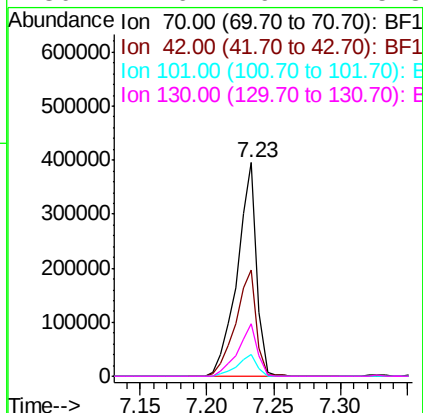




#19
n-Nitroso-di-n-propylamine
Concen: 51.133 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

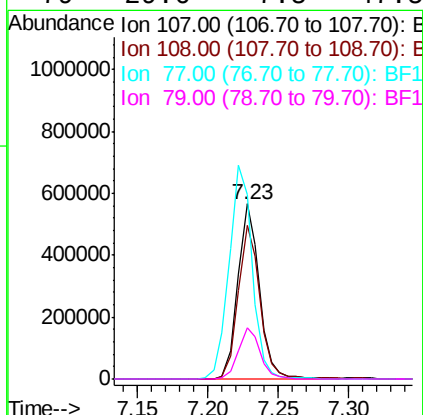
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

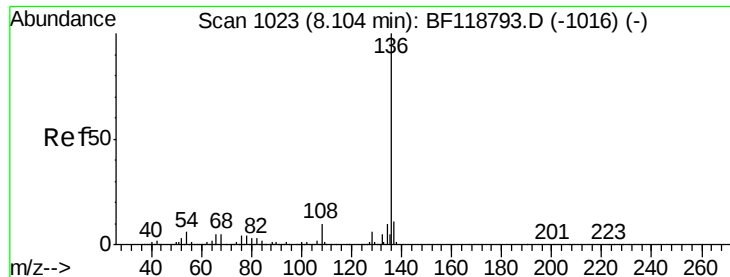
Tot Ion:	70	Resp:	402547
Ion	Ratio	Lower	Upper
70	100		
42	49.6	41.5	62.3
101	10.5	8.3	12.5
130	24.6	19.2	28.8



#20
3+4-Methylphenols
Concen: 49.560 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:	107	Resp:	596261
Ion	Ratio	Lower	Upper
107	100		
108	88.0	65.9	105.9
77	105.7	80.9	120.9
79	29.6	7.5	47.5

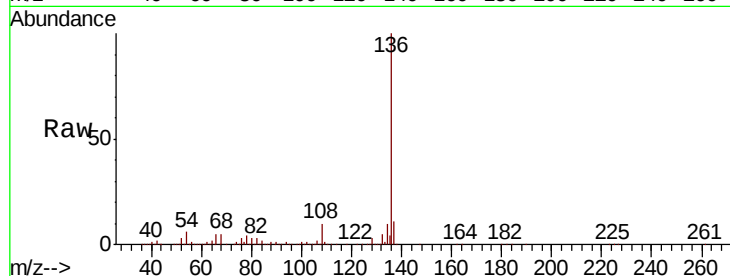




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:136	Resp:	741425
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.7 13.1
54	6.0	5.0 7.6
68	5.4	4.2 6.4



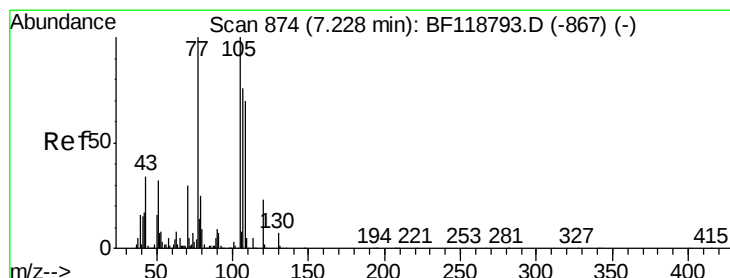
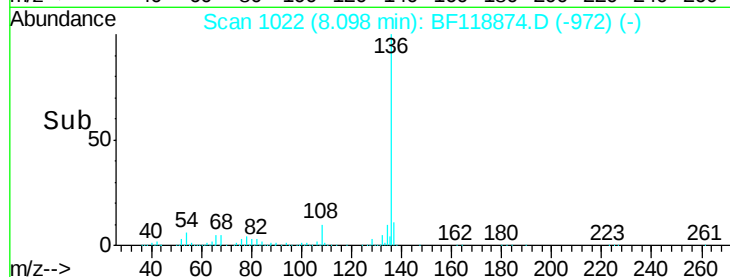
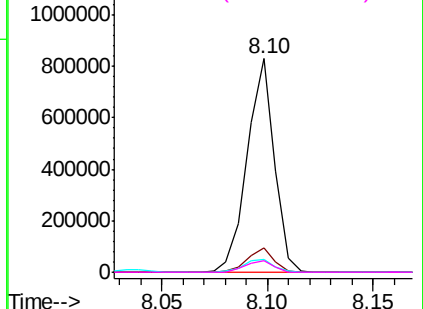
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

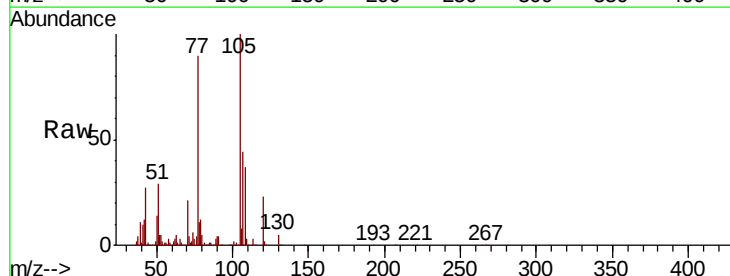
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 49.553 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:105	Resp:	798217
Ion Ratio	Lower	Upper
105	100	
71	3.6	4.2 6.4#
51	28.7	25.5 38.3
120	23.2	18.6 28.0



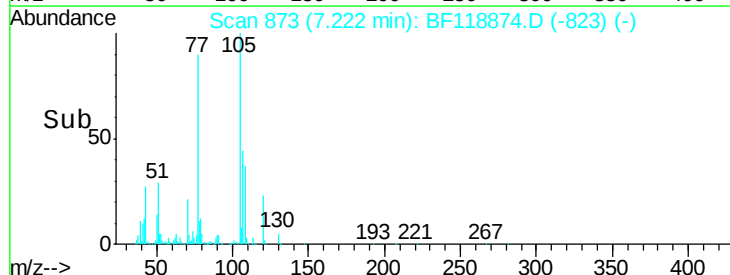
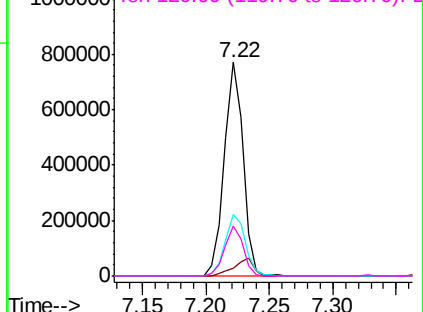
Abundance

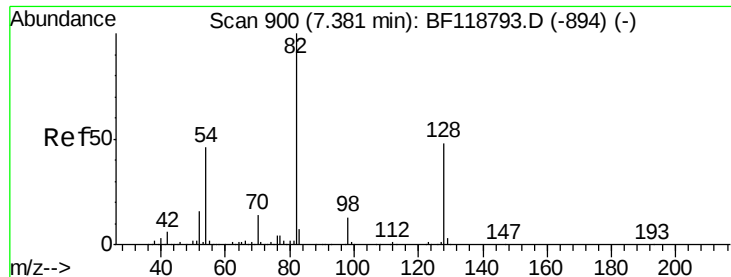
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

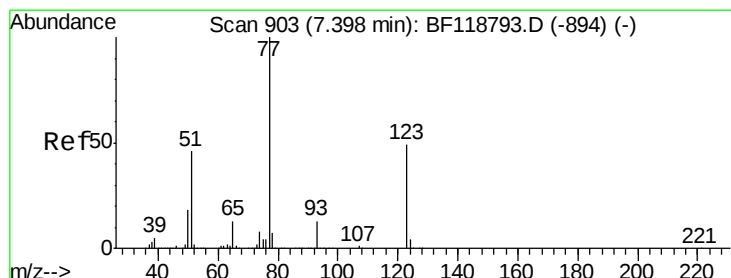
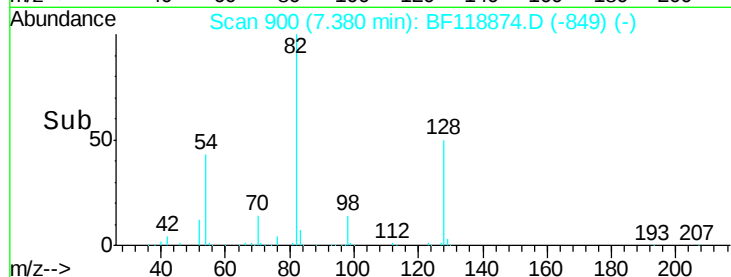
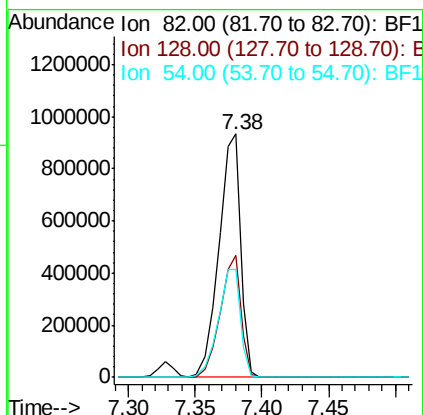
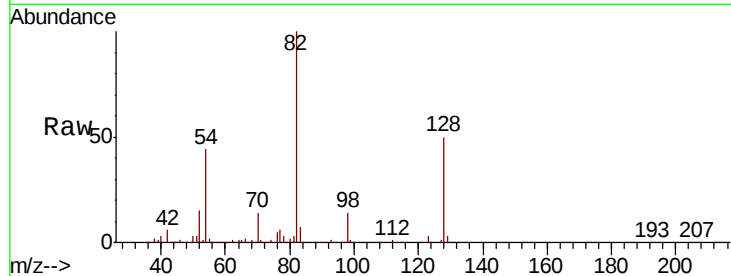




#23
Nitrobenzene-d5
Concen: 86.480 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

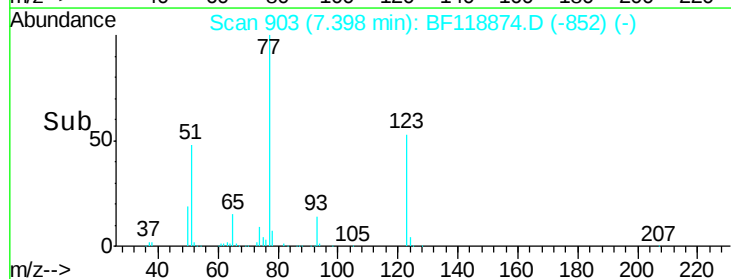
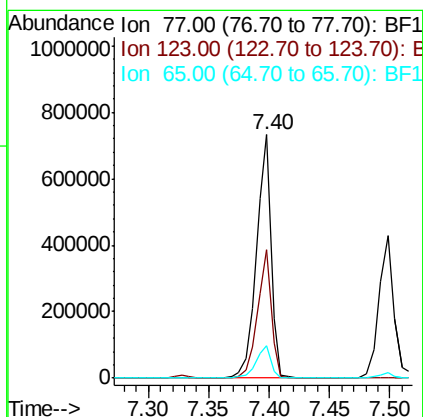
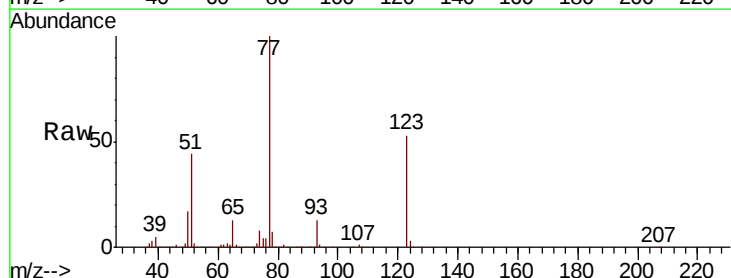
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

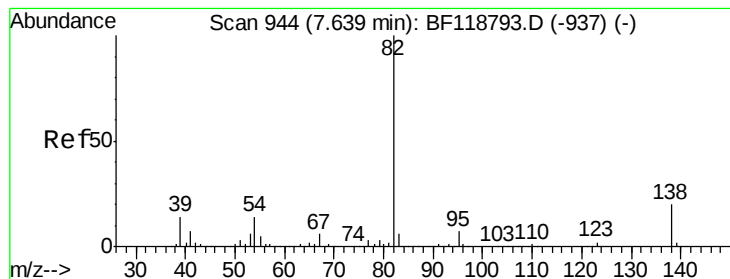
Tot Ion: 82 Resp: 1075721
Ion Ratio Lower Upper
82 100
128 50.1 38.5 57.7
54 44.2 36.7 55.1



#24
Nitrobenzene
Concen: 49.843 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion: 77 Resp: 619378
Ion Ratio Lower Upper
77 100
123 52.6 39.0 58.4
65 13.3 10.6 15.8





#25

Isophorone

Concen: 50.768 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

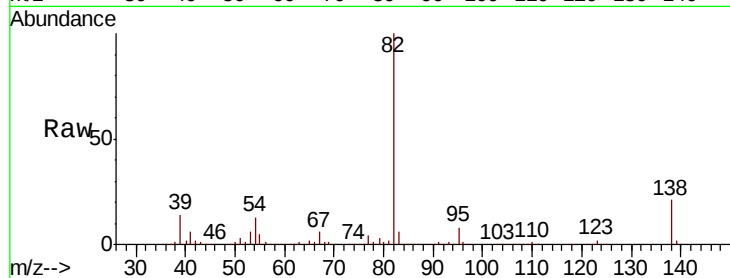
Tot Ion: 82 Resp: 1134933

Ion Ratio Lower Upper

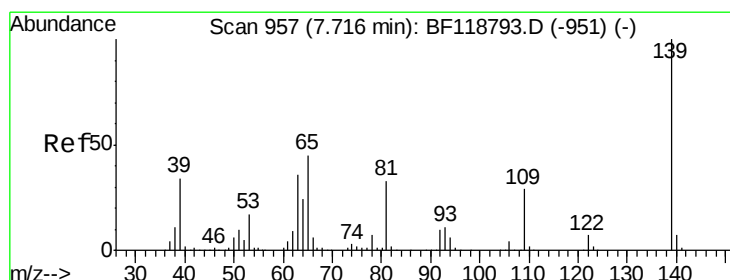
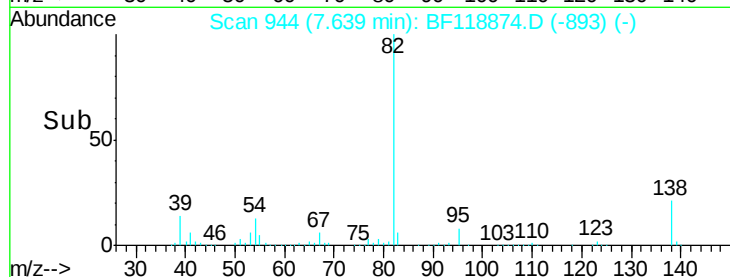
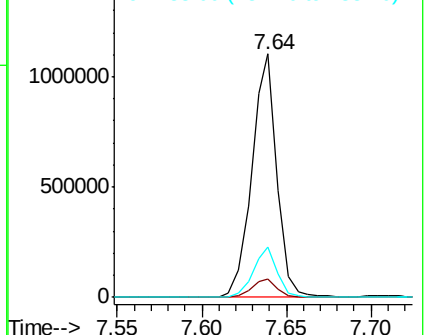
82 100

95 7.8 6.0 9.0

138 20.9 15.7 23.5



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 52.618 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

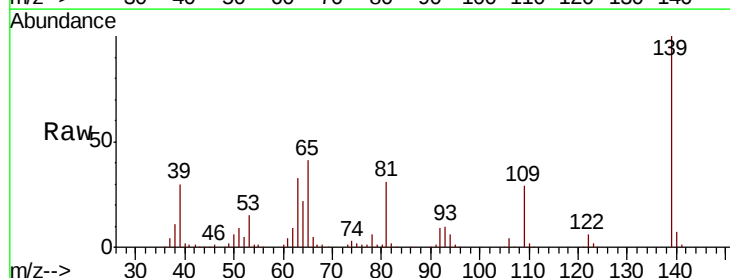
Tgt Ion: 139 Resp: 348412

Ion Ratio Lower Upper

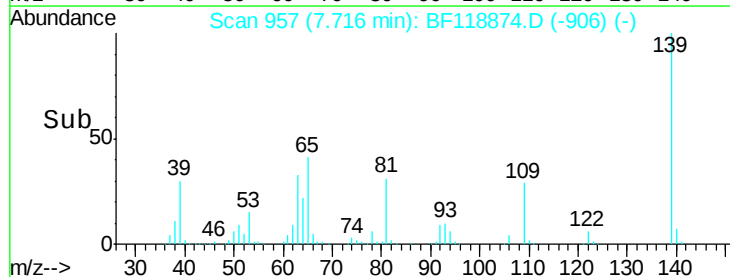
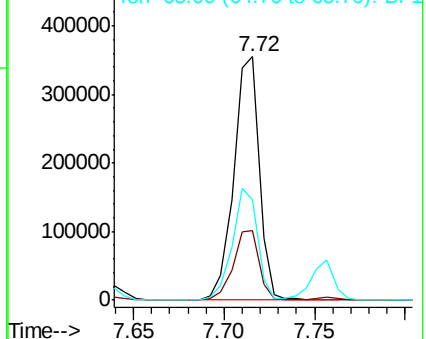
139 100

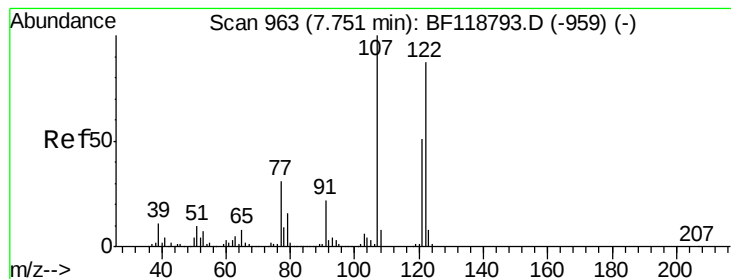
109 28.5 23.4 35.0

65 41.1 36.2 54.2



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 59.609 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

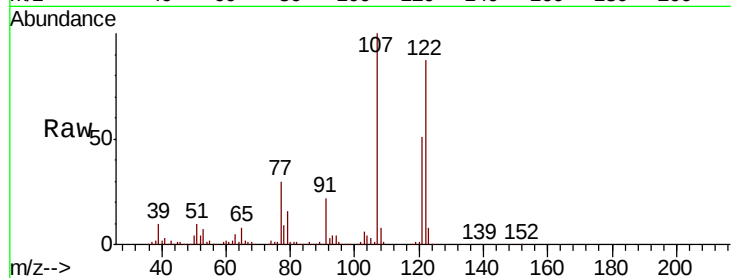
Tot Ion:122 Resp: 536168

Ion Ratio Lower Upper

122 100

107 115.5 92.2 138.2

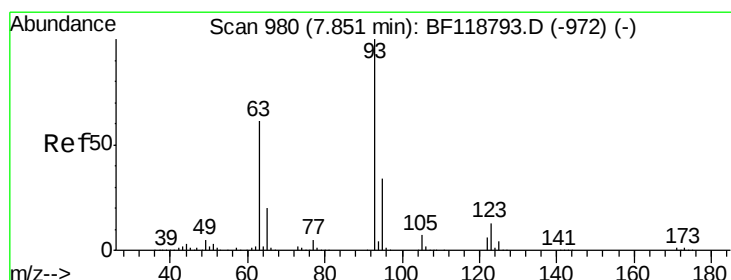
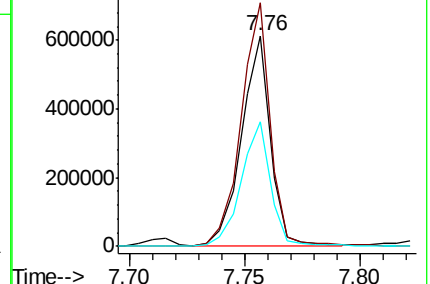
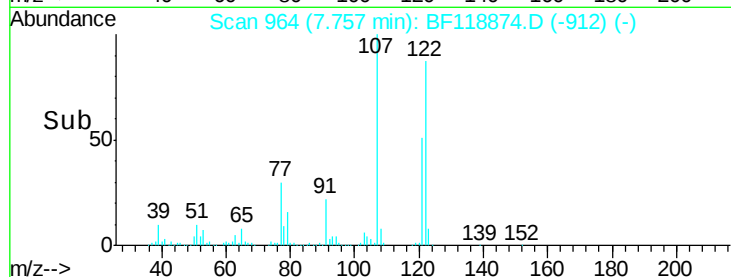
121 58.9 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 49.390 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

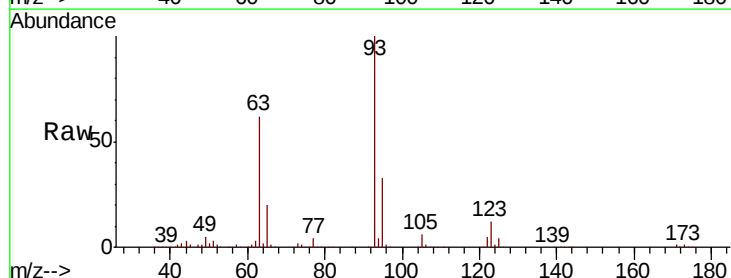
Tgt Ion: 93 Resp: 715975

Ion Ratio Lower Upper

93 100

95 33.5 27.0 40.4

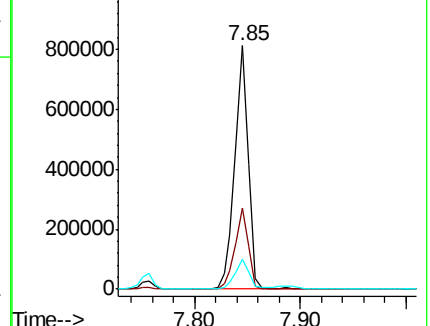
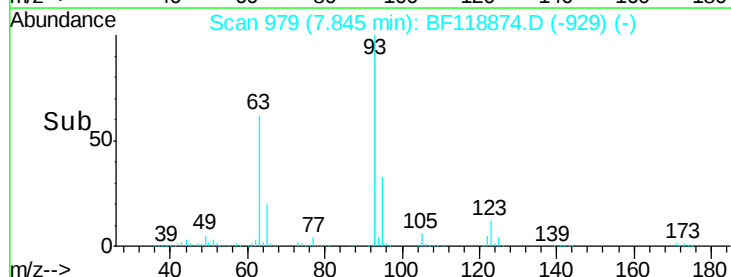
123 12.5 10.6 15.8

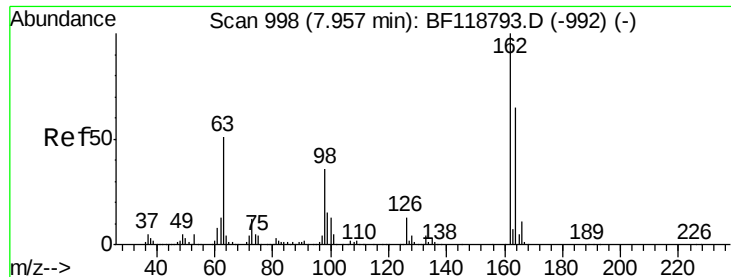


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

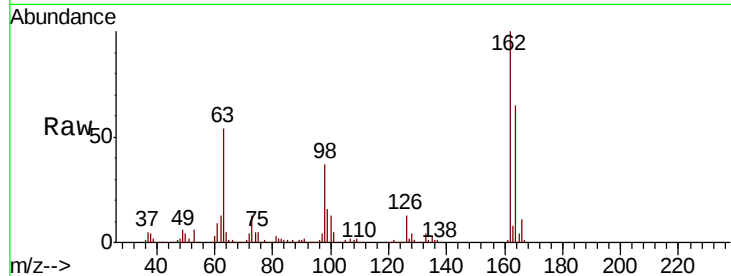




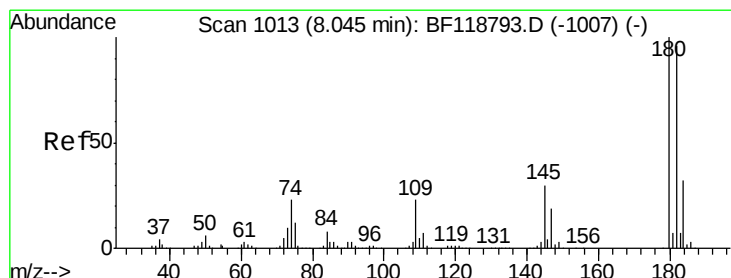
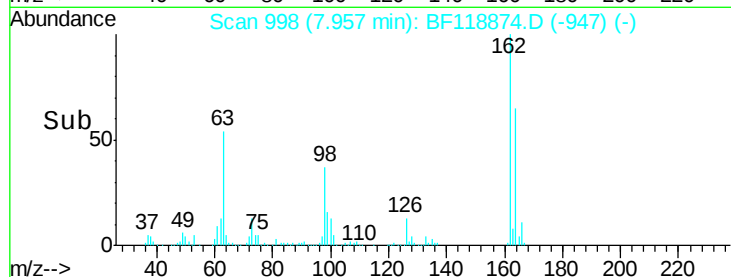
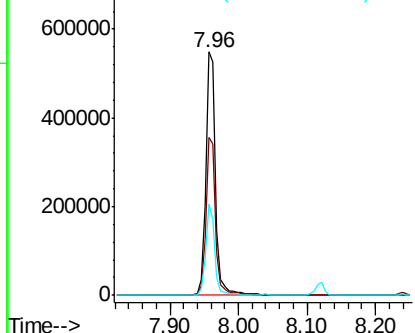
#29
 2,4-Dichlorophenol
 Concen: 51.714 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.8	84.8
98	37.4	16.4	56.4

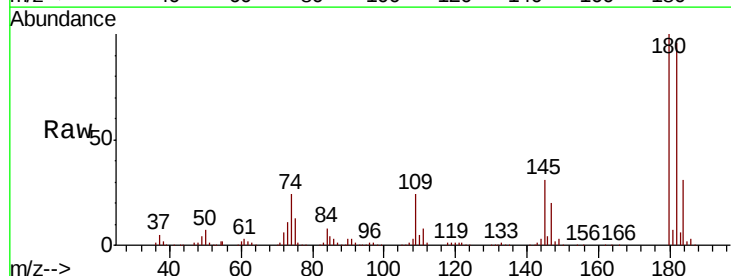


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

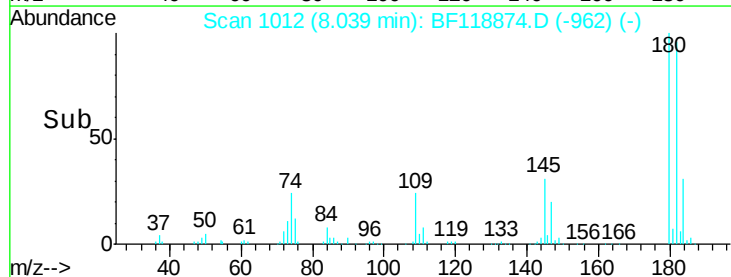
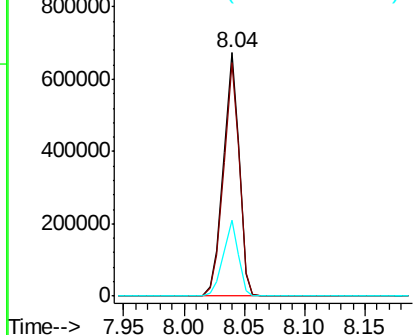


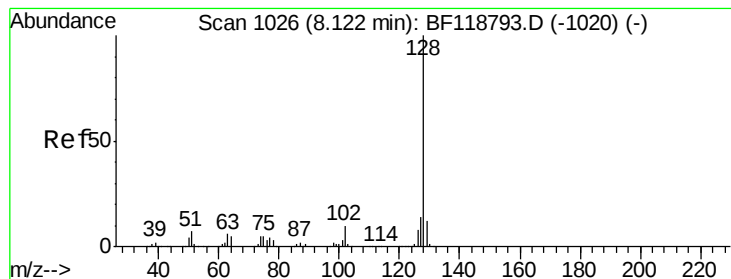
#30
 1,2,4-Trichlorobenzene
 Concen: 48.460 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	31.3	24.0	36.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 51.029 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

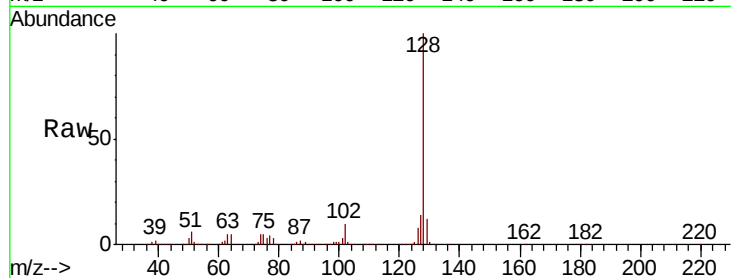
Tot Ion:128 Resp: 1730396

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

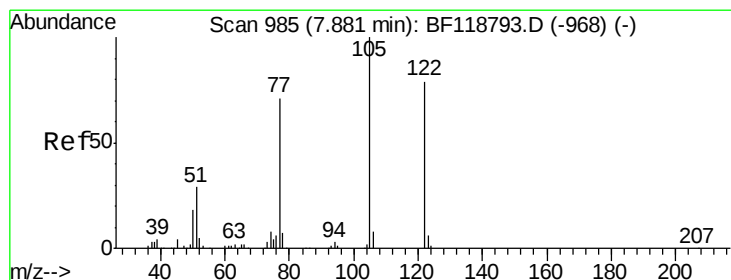
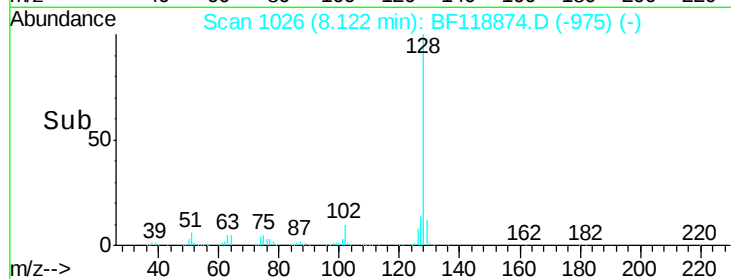
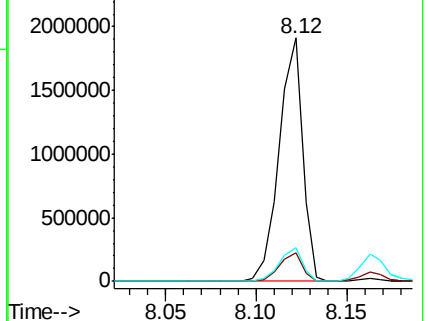
127 13.9 11.3 16.9



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: 43.887 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

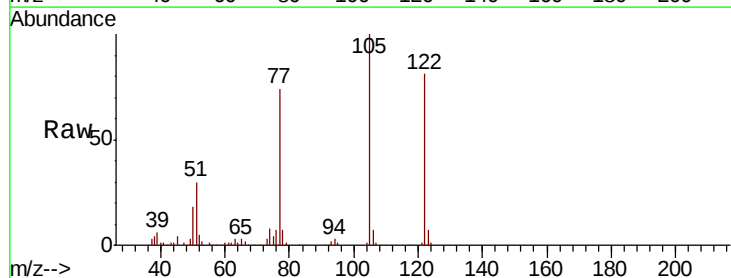
Tgt Ion:122 Resp: 326839

Ion Ratio Lower Upper

122 100

105 124.1 104.4 144.4

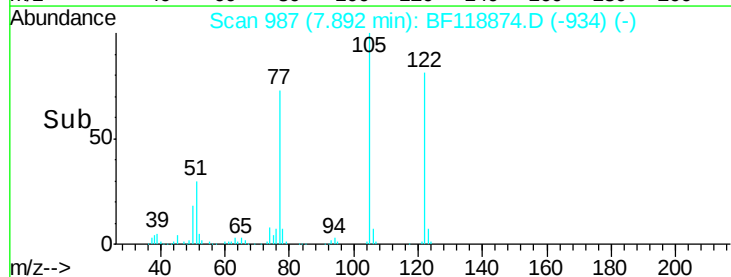
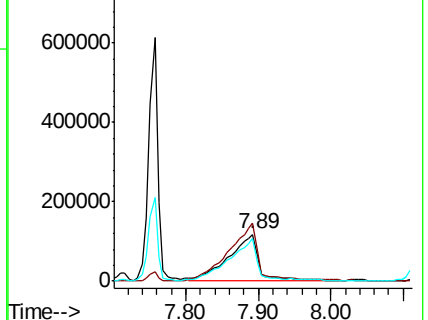
77 91.5 69.3 109.3

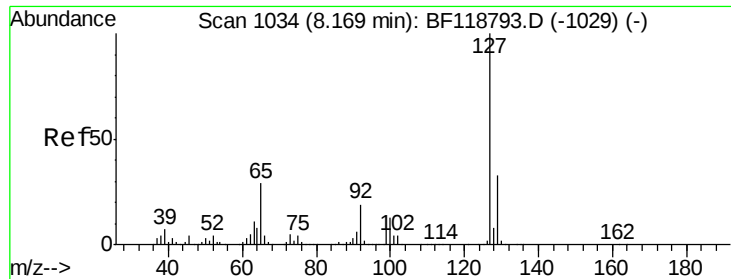


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

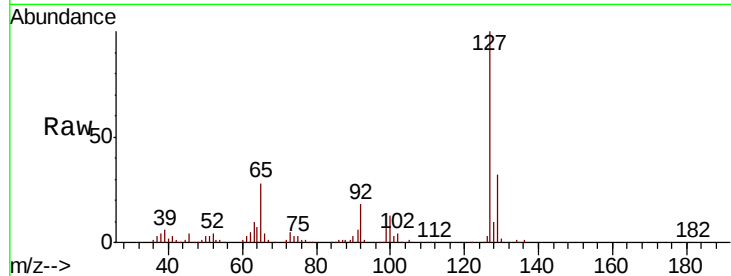




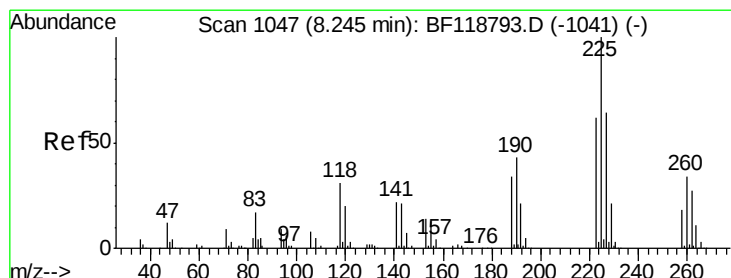
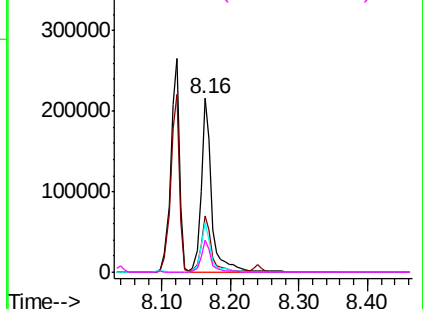
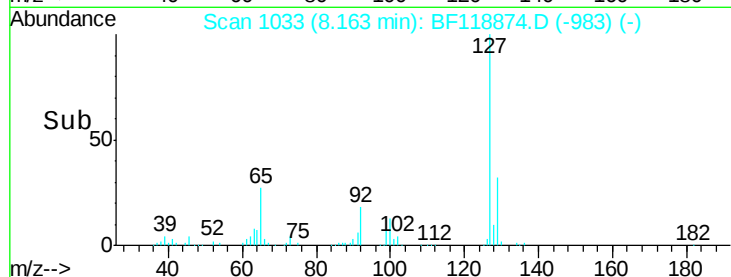
#33
4-Chloroaniline
Concen: 15.661 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:	127	Resp:	237592
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.7	40.1
65	28.4	22.9	34.3
92	18.4	15.4	23.0

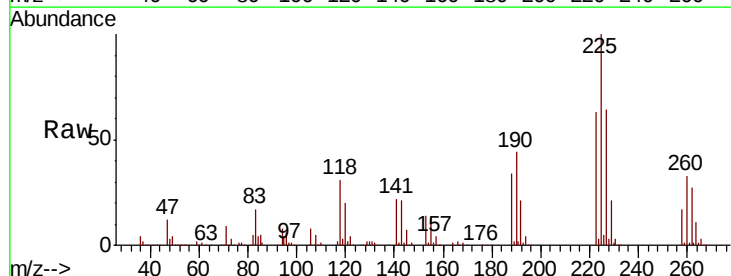


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

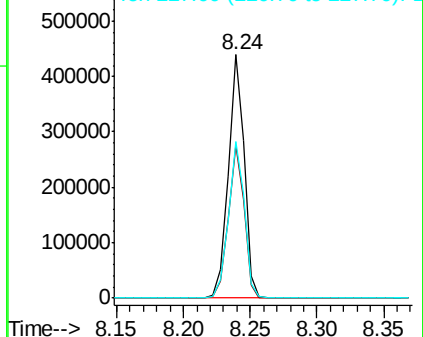
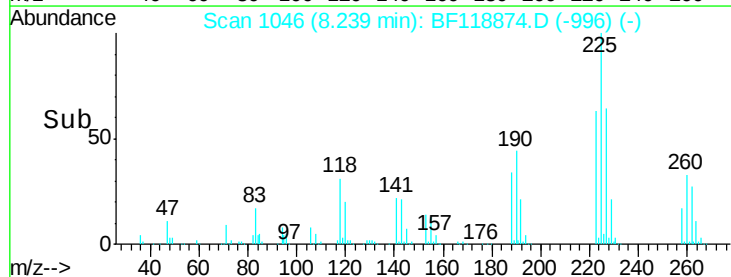


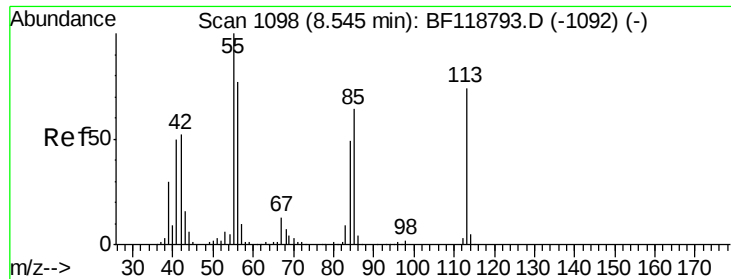
#34
Hexachlorobutadiene
Concen: 47.992 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:	225	Resp:	370208
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.8
227	64.2	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

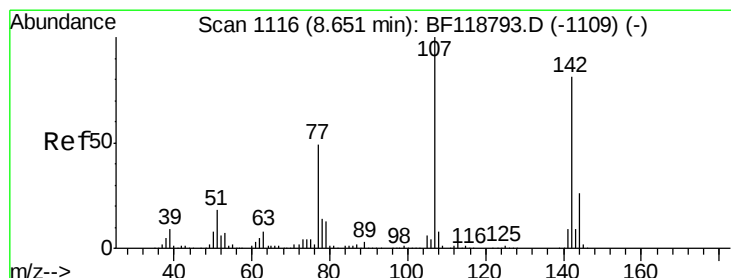
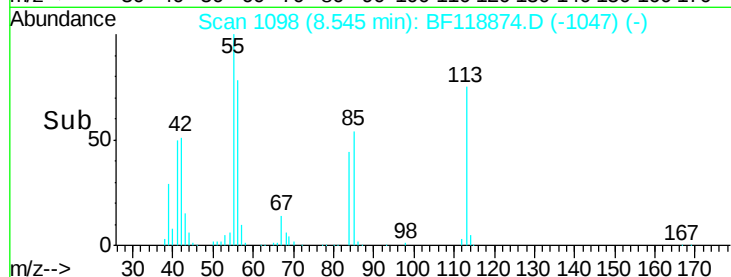
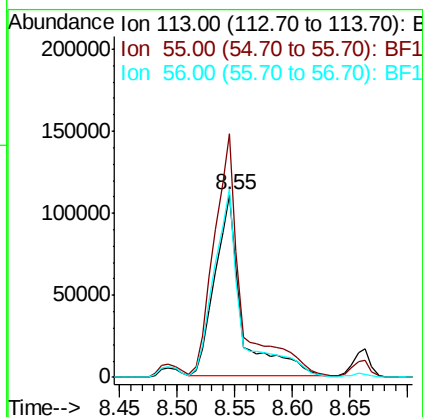
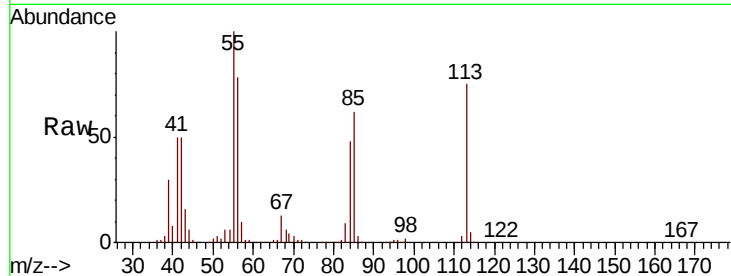




#35
 Caprolactam
 Concen: 51.776 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

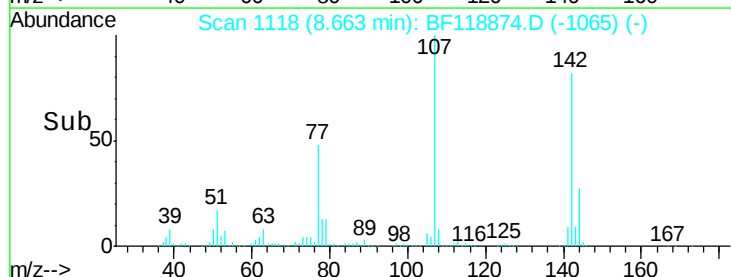
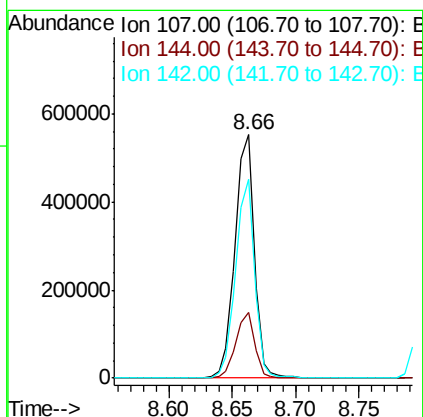
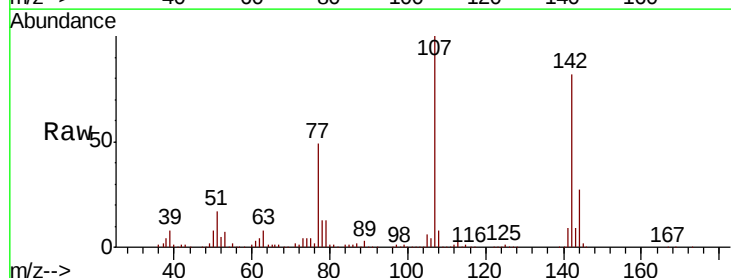
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

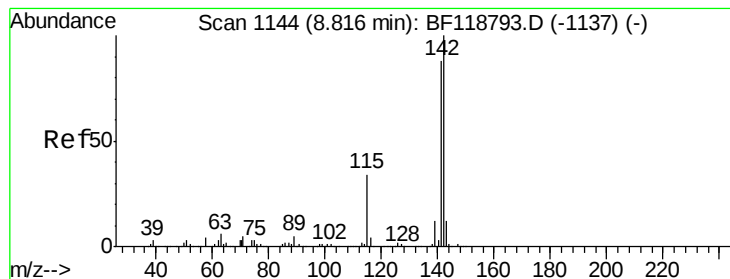
Tot Ion:113 Resp: 180804
 Ion Ratio Lower Upper
 113 100
 55 133.5 115.5 155.5
 56 103.5 83.7 123.7



#36
 4-Chloro-3-methylphenol
 Concen: 53.844 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:107 Resp: 583703
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.0 31.6
 142 81.6 64.8 97.2





#37

2-Methylnaphthalene

Concen: 52.743 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

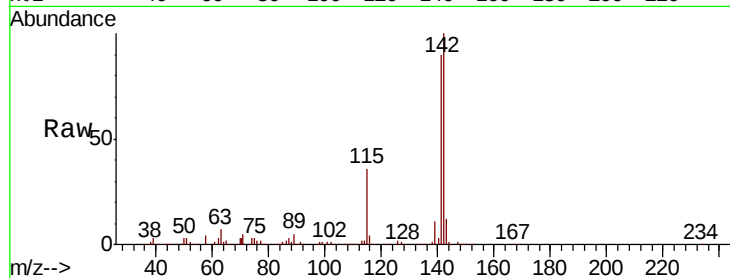
Tot Ion:142 Resp: 1240402

Ion Ratio Lower Upper

142 100

141 90.0 70.1 105.1

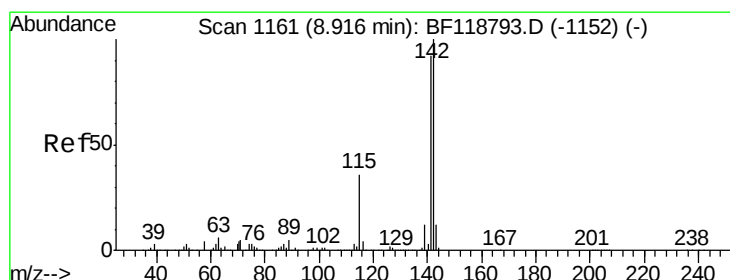
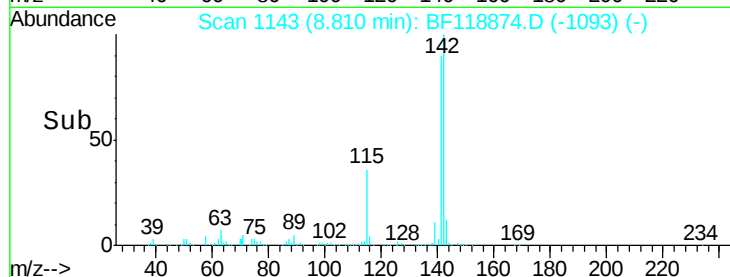
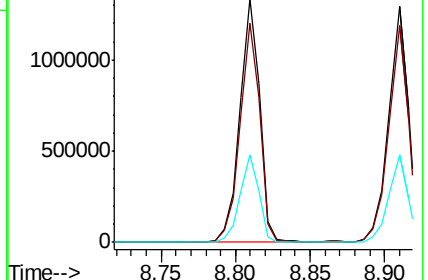
115 35.8 27.3 40.9



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: 52.649 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

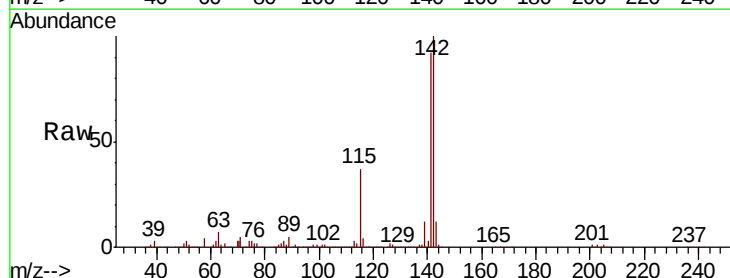
Tgt Ion:142 Resp: 1164787

Ion Ratio Lower Upper

142 100

141 92.1 73.8 110.6

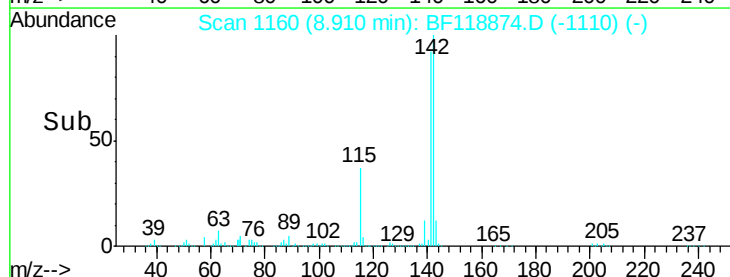
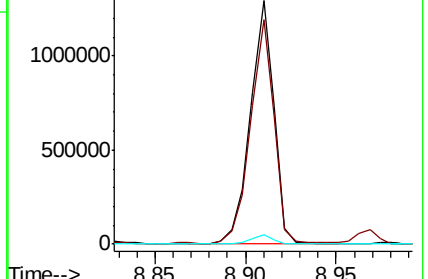
116 3.9 3.0 4.4

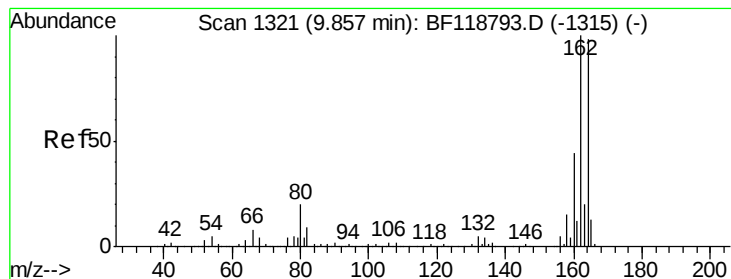


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

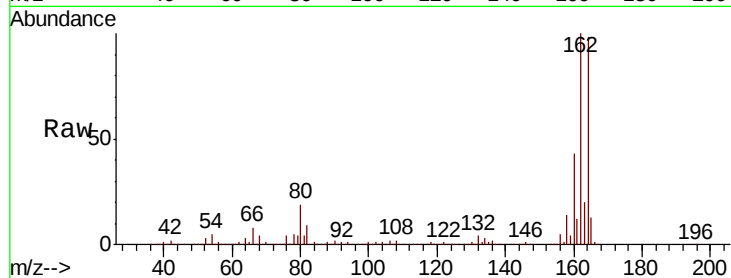
Tot Ion:164 Resp: 552947

Ion Ratio Lower Upper

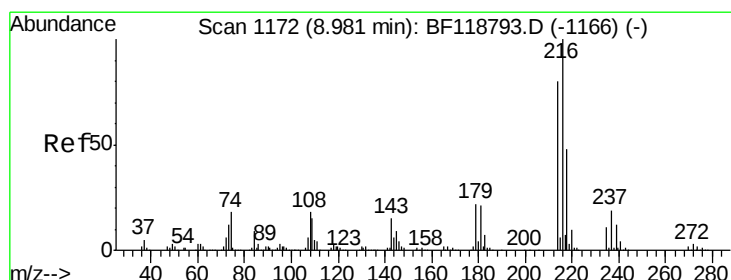
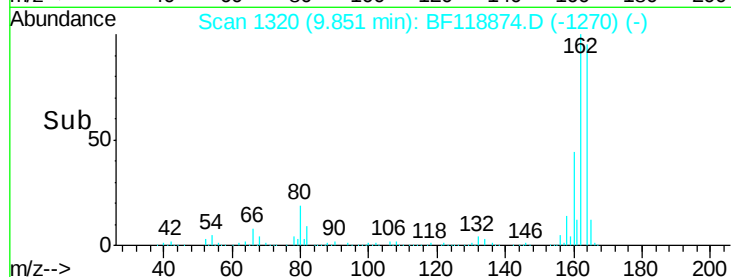
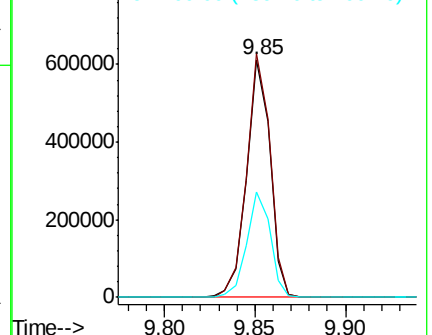
164 100

162 102.4 81.4 122.2

160 44.5 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.232 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Tgt Ion:216 Resp: 788221

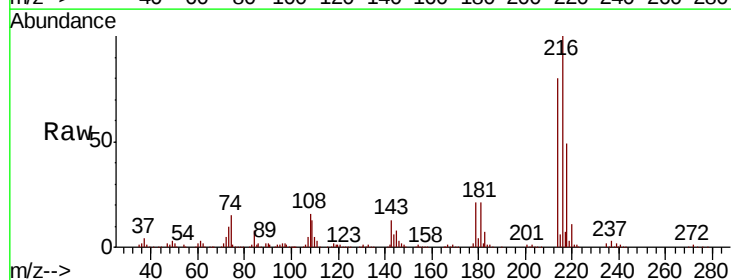
Ion Ratio Lower Upper

216 100

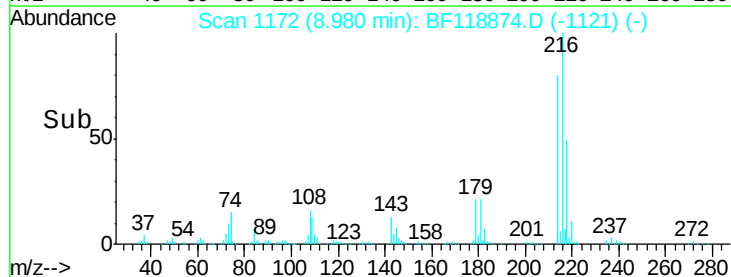
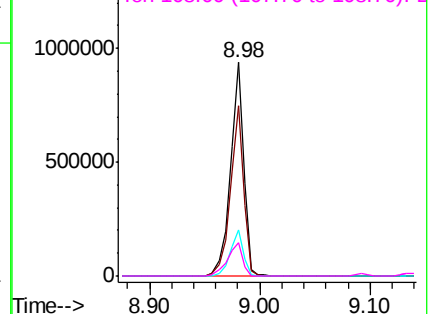
214 79.2 63.0 94.4

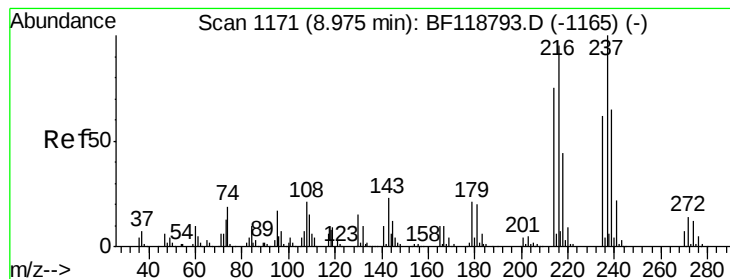
179 21.0 17.0 25.6

108 18.0 13.5 20.3



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 84.654 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

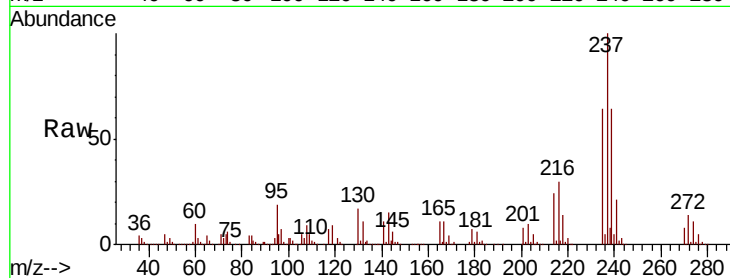
Tot Ion:237 Resp: 553957

Ion Ratio Lower Upper

237 100

235 64.0 42.1 82.1

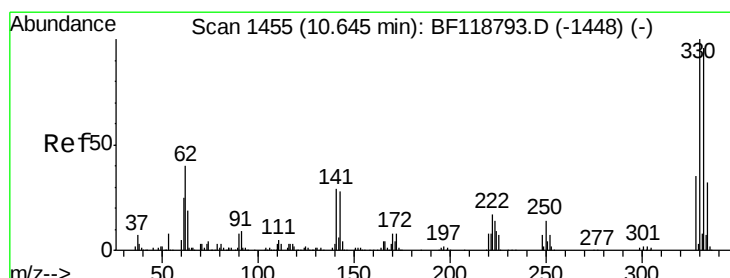
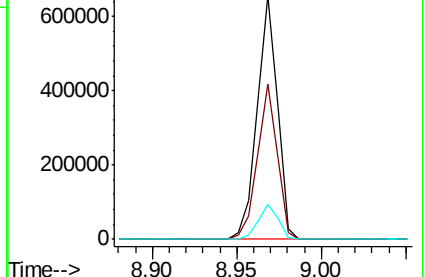
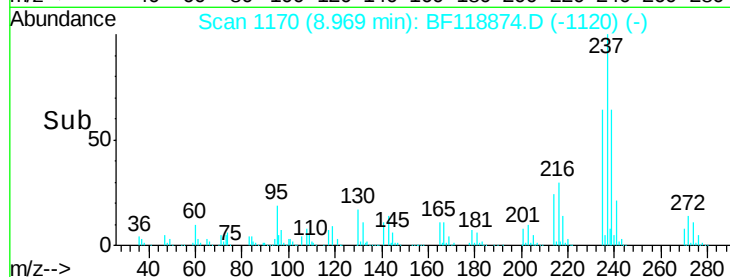
272 14.2 0.0 34.4



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: 135.820 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

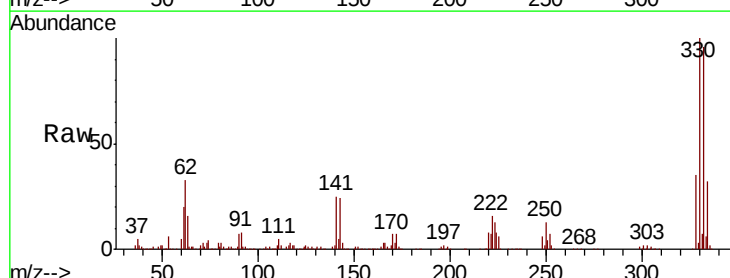
Tgt Ion:330 Resp: 898610

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

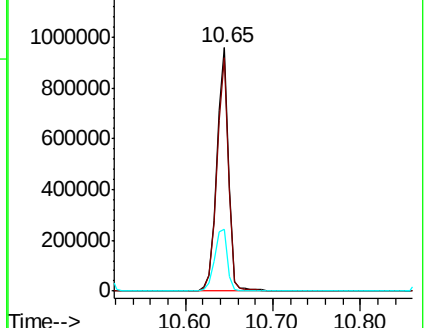
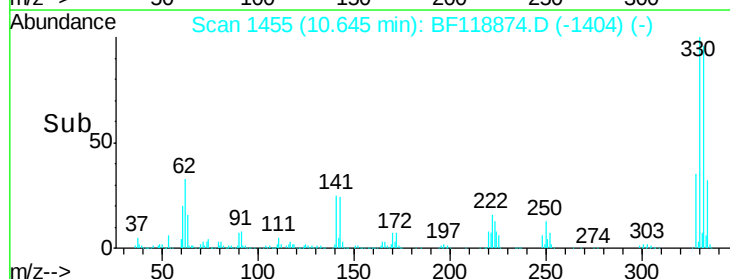
141 28.2 22.4 33.6

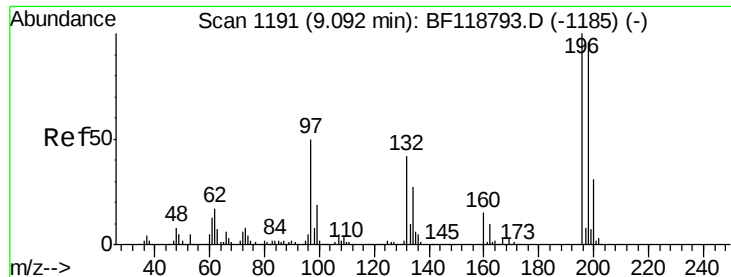


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

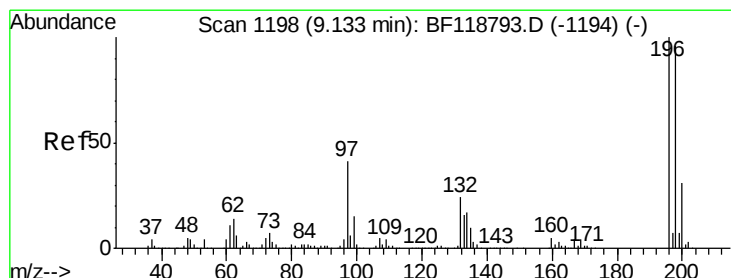
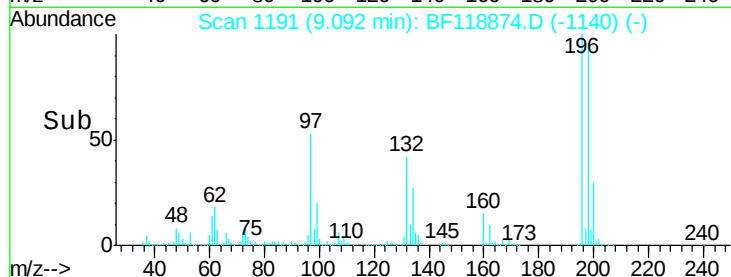
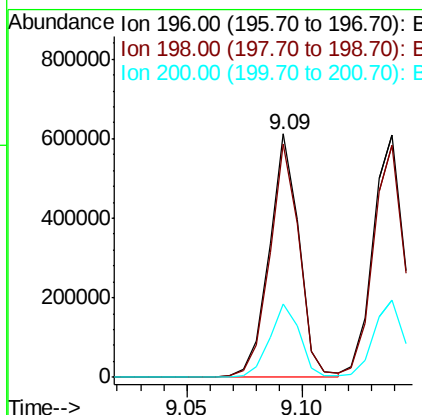
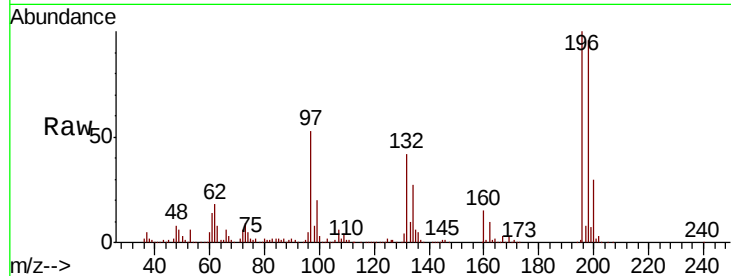




#43
 2,4,6-Trichlorophenol
 Concen: 49.080 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

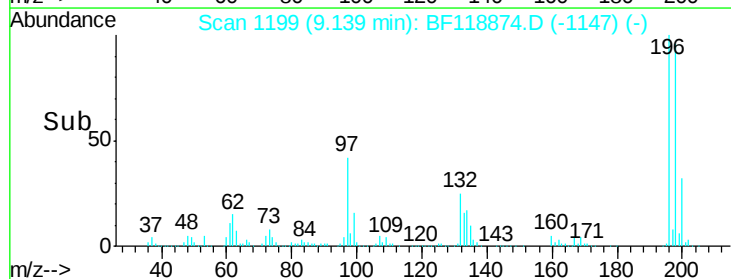
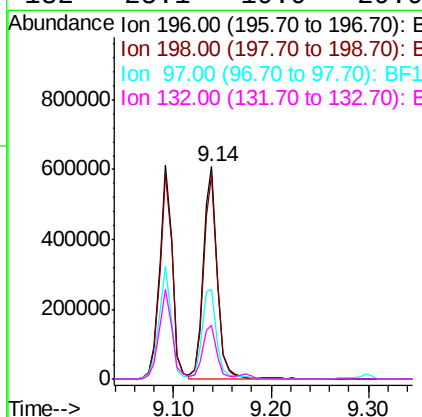
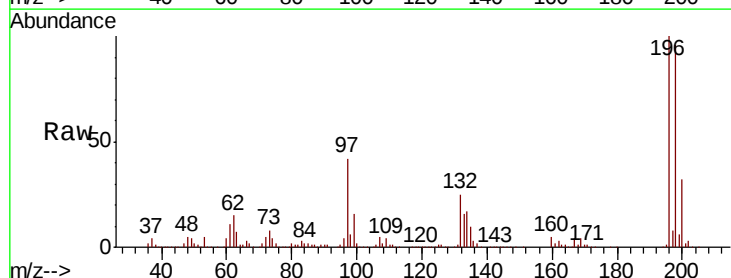
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

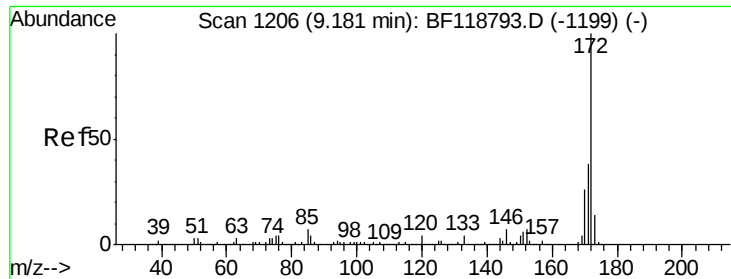
Tot Ion:196 Resp: 547715
 Ion Ratio Lower Upper
 196 100
 198 95.9 76.7 115.1
 200 30.2 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 52.168 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:196 Resp: 594851
 Ion Ratio Lower Upper
 196 100
 198 96.2 77.0 115.4
 97 42.2 32.9 49.3
 132 25.1 19.9 29.9

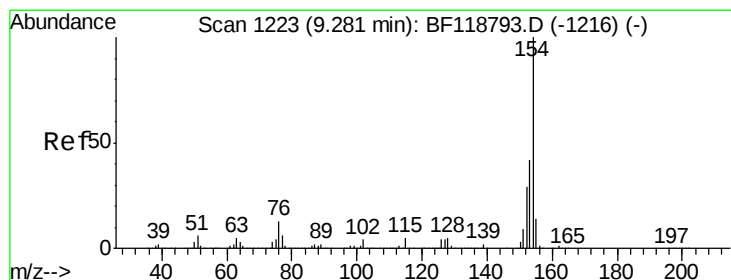
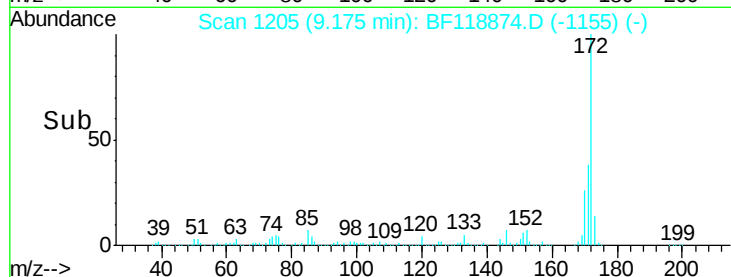
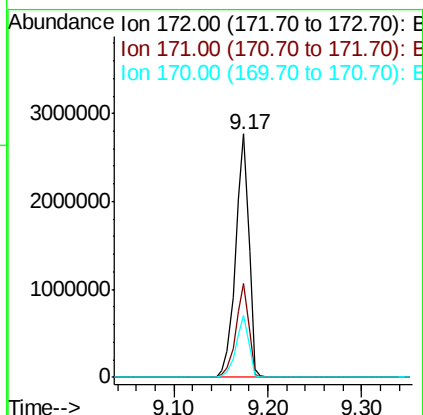
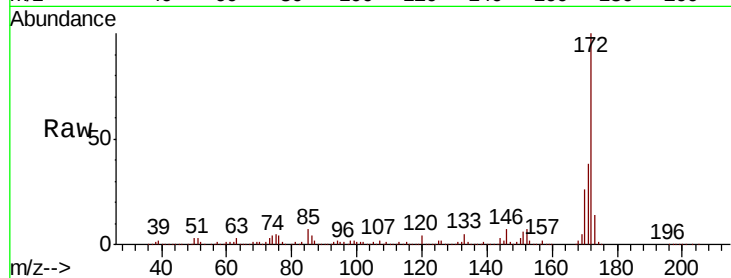




#45
2-Fluorobiphenyl
Concen: 87.487 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

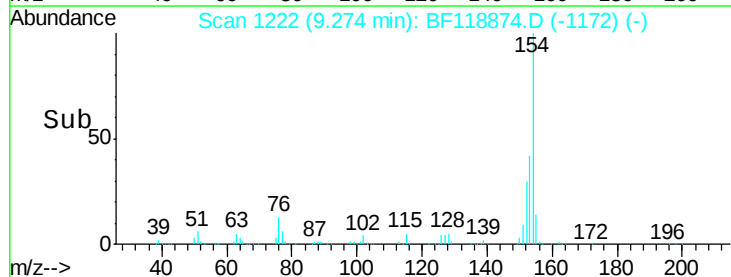
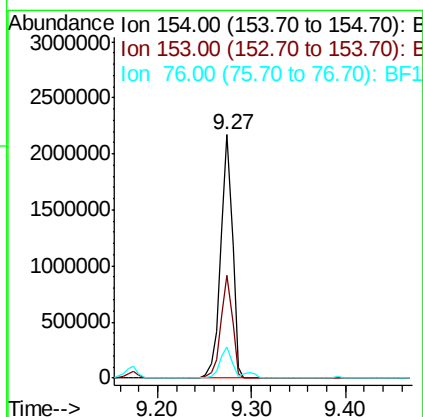
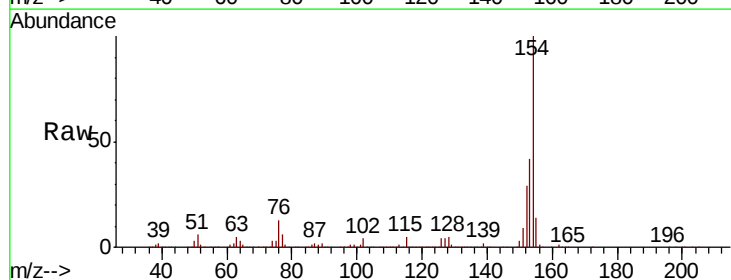
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

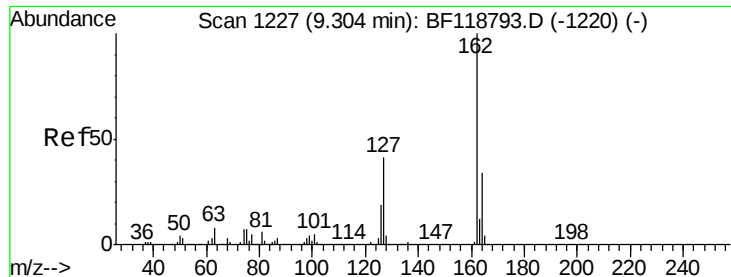
Tot Ion:172 Resp: 2706022
Ion Ratio Lower Upper
172 100
171 38.4 30.8 46.2
170 25.6 20.5 30.7



#46
1,1'-Biphenyl
Concen: 49.759 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:154 Resp: 1903263
Ion Ratio Lower Upper
154 100
153 42.3 22.4 62.4
76 12.9 0.0 32.7

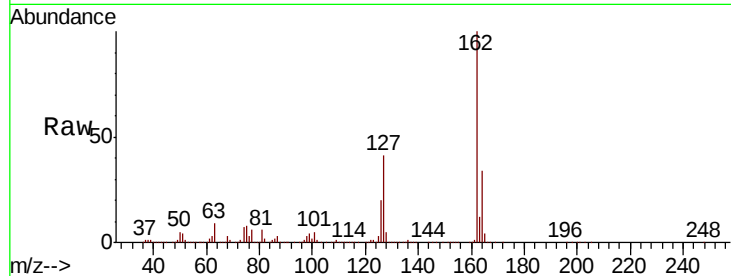




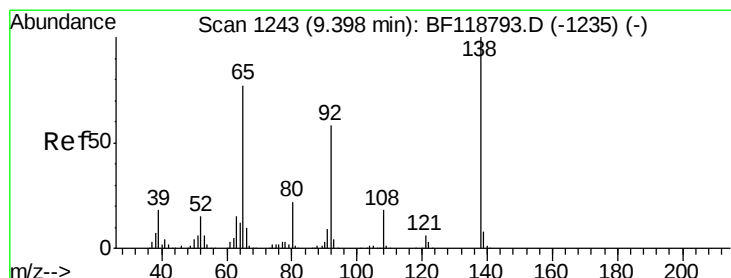
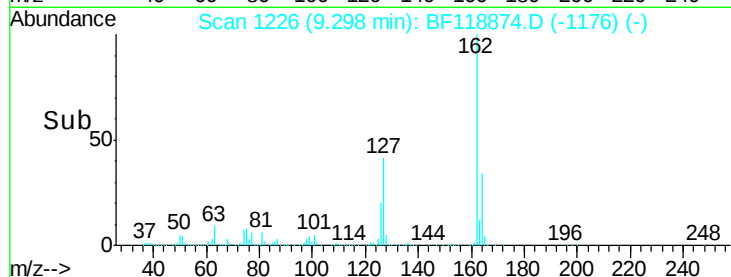
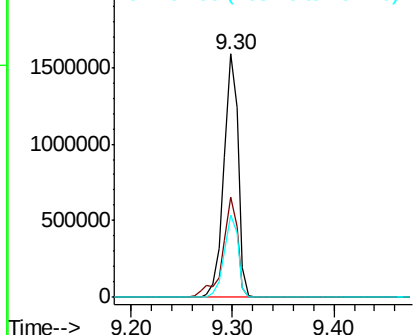
#47
2-Chloronaphthalene
Concen: 48.677 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:162 Resp: 1547858
Ion Ratio Lower Upper
162 100
127 41.0 33.3 49.9
164 33.9 27.1 40.7

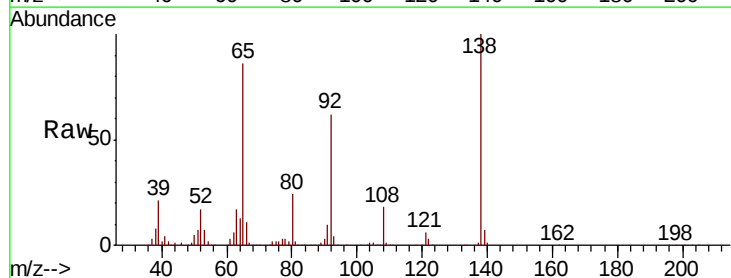


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

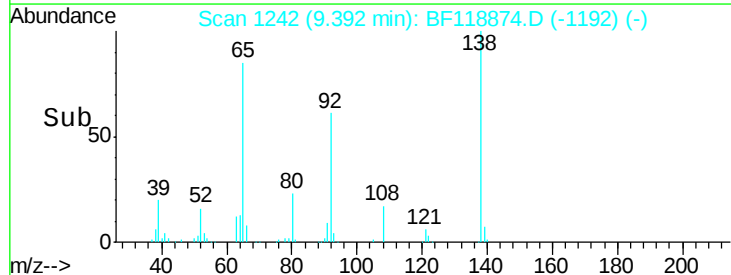
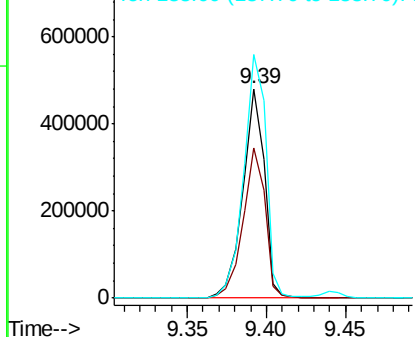


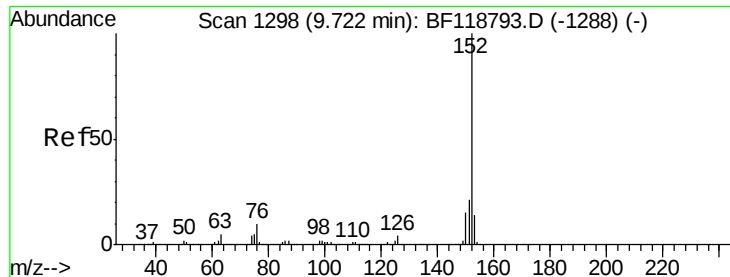
#48
2-Nitroaniline
Concen: 49.529 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion: 65 Resp: 454242
Ion Ratio Lower Upper
65 100
92 71.5 60.6 91.0
138 116.3 104.6 156.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 51.482 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

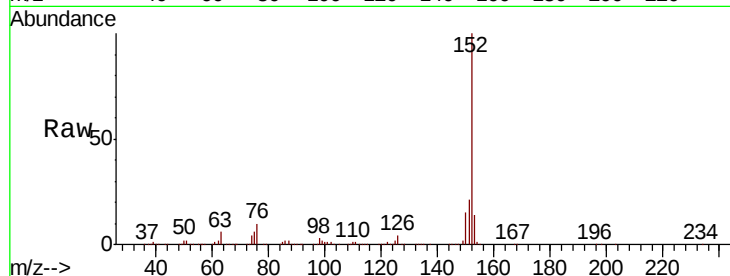
Tot Ion:152 Resp: 2363691

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

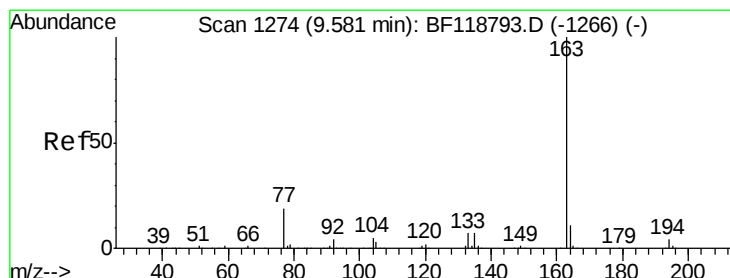
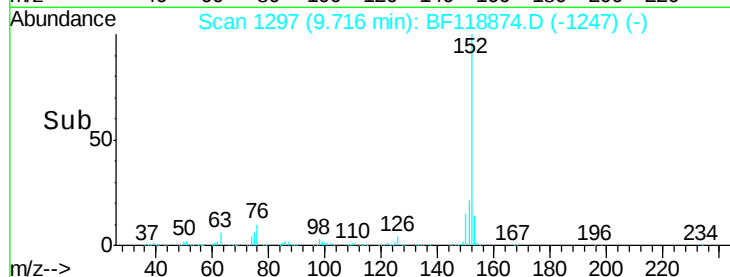
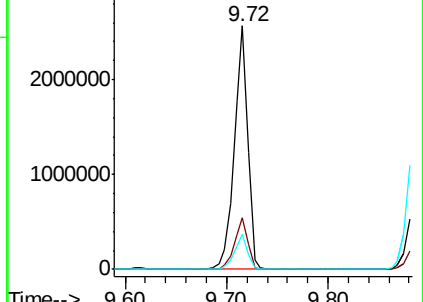
153 14.2 11.0 16.4



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: 54.576 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

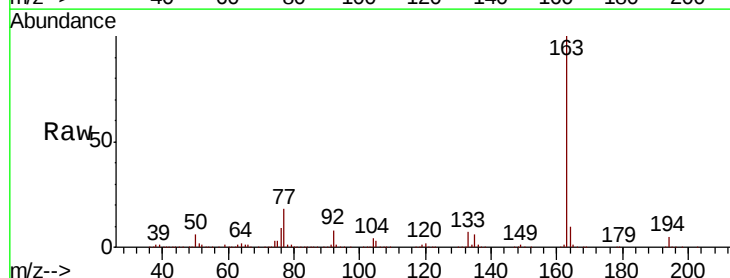
Tgt Ion:163 Resp: 2054799

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

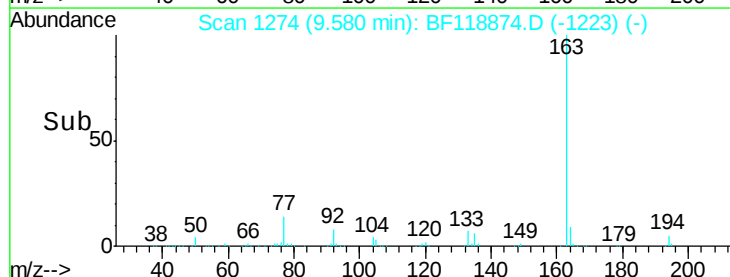
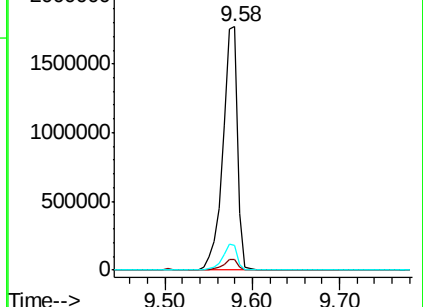
164 10.1 8.7 13.1

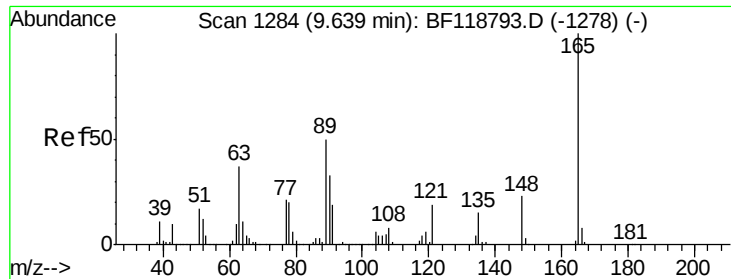


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

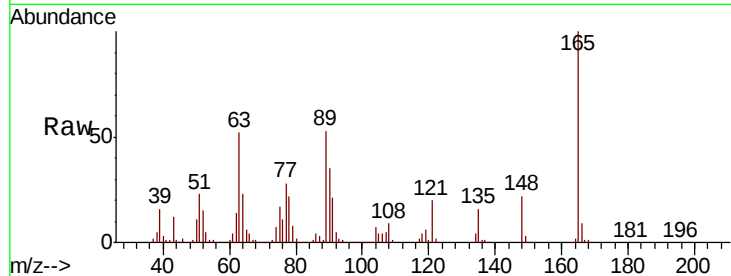




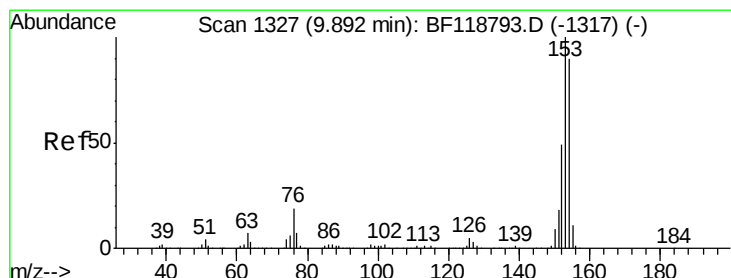
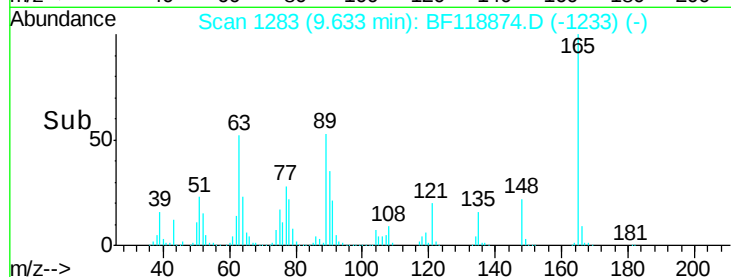
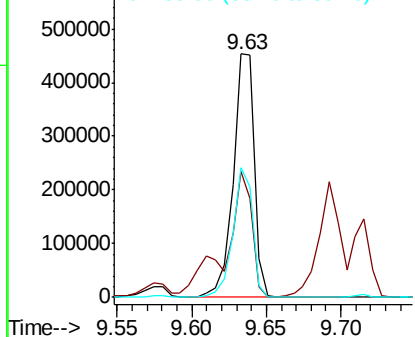
#51
2,6-Dinitrotoluene
Concen: 52.567 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:165 Resp: 452852
Ion Ratio Lower Upper
165 100
63 51.6 37.4 56.0
89 53.5 39.7 59.5

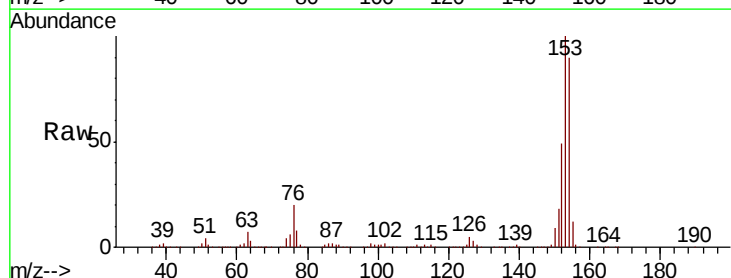


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

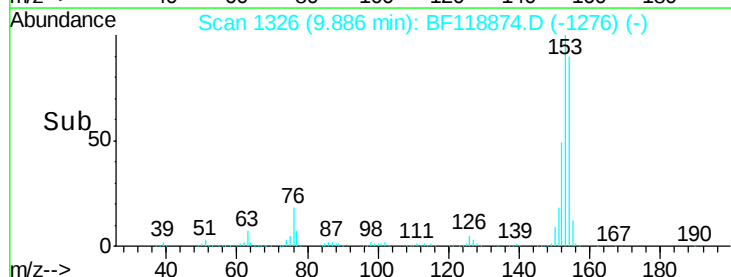
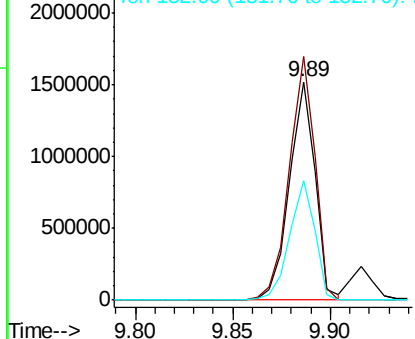


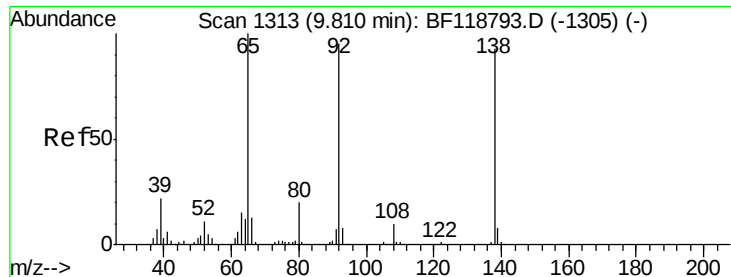
#52
Acenaphthene
Concen: 46.010 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:154 Resp: 1391996
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.0
152 54.7 43.6 65.4



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

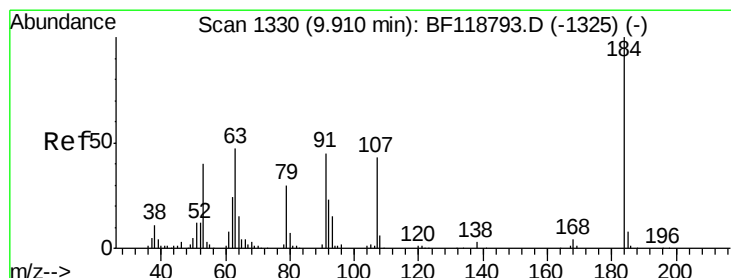
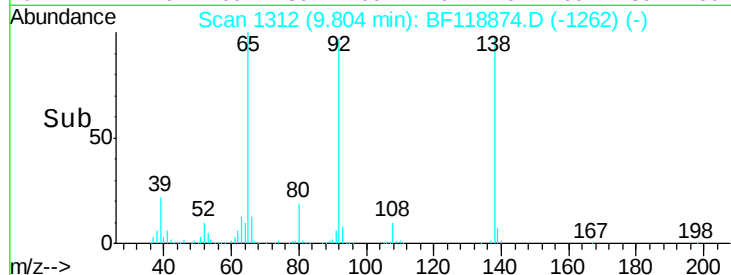
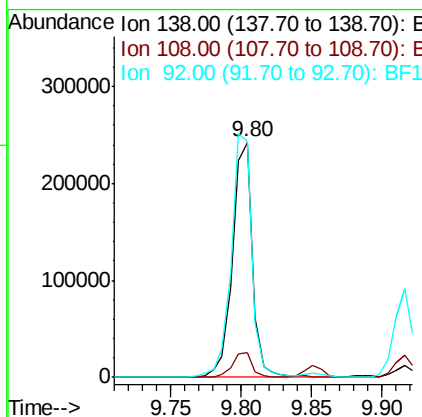
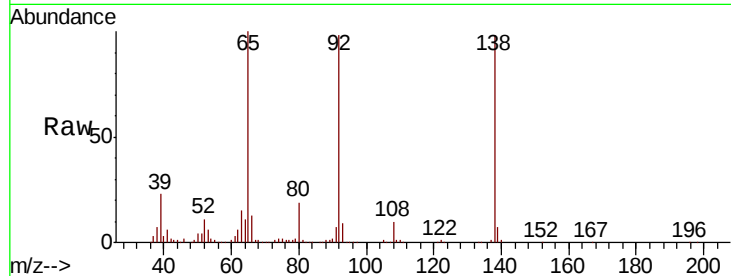




#53
3-Nitroaniline
Concen: 25.128 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

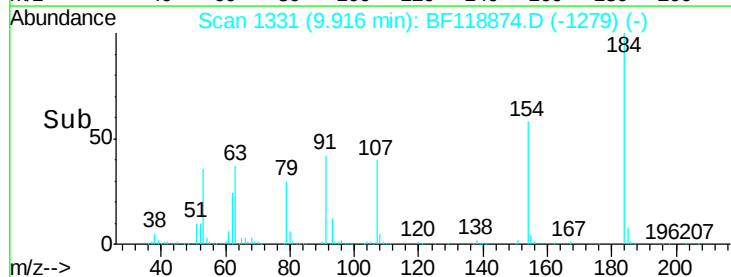
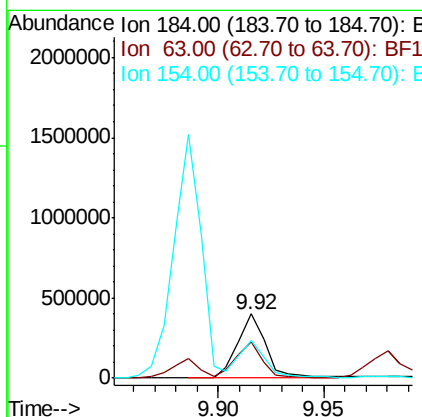
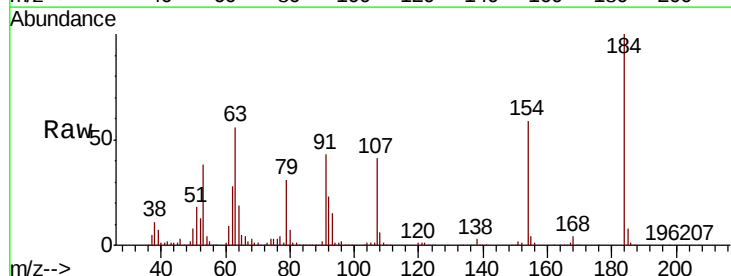
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

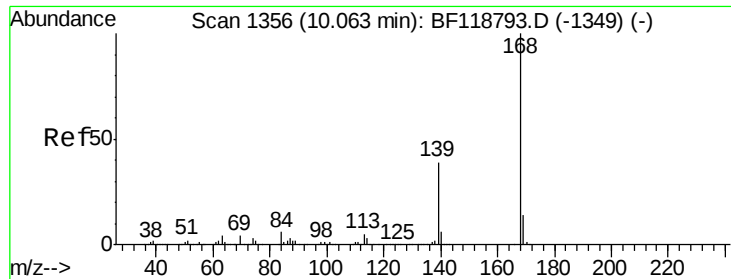
Tot Ion:138 Resp: 240080
Ion Ratio Lower Upper
138 100
108 10.6 8.5 12.7
92 100.3 82.2 123.4



#54
2,4-Dinitrophenol
Concen: 90.514 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:184 Resp: 374861
Ion Ratio Lower Upper
184 100
63 55.8 47.5 71.3
154 58.5 48.6 72.8



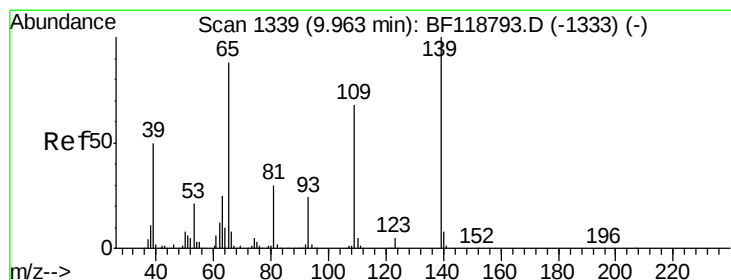
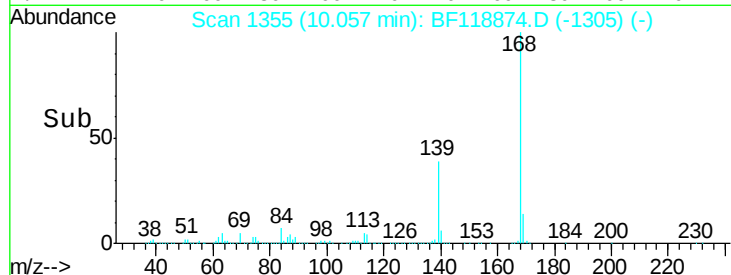
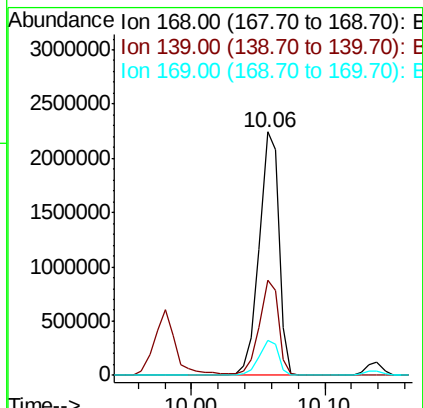
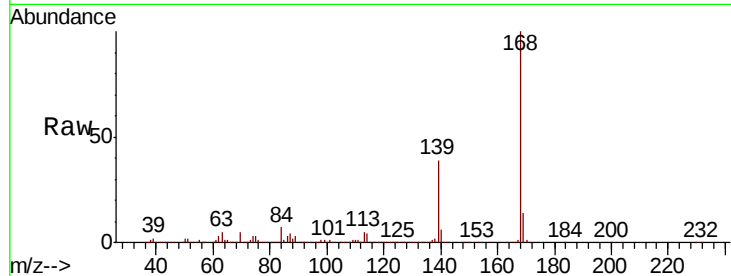


#55
Dibenzofuran
Concen: 51.754 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:168 Resp: 2262818

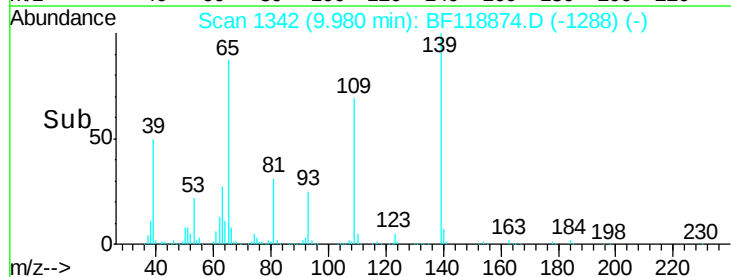
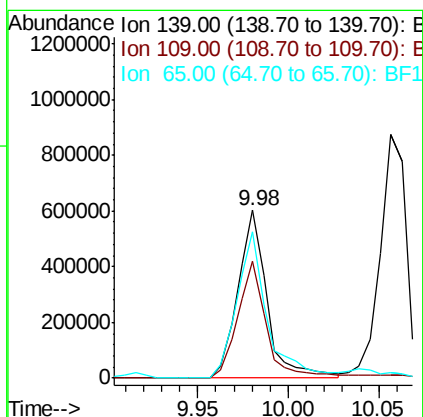
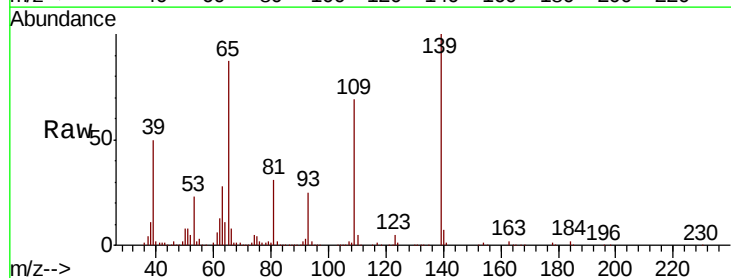
Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.6	47.4
169	14.5	11.4	17.2

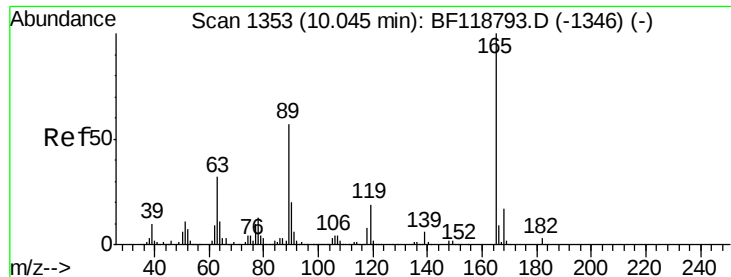


#56
4-Nitrophenol
Concen: 97.565 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:139 Resp: 674631

Ion	Ratio	Lower	Upper
139	100		
109	69.4	48.0	88.0
65	87.5	68.3	108.3

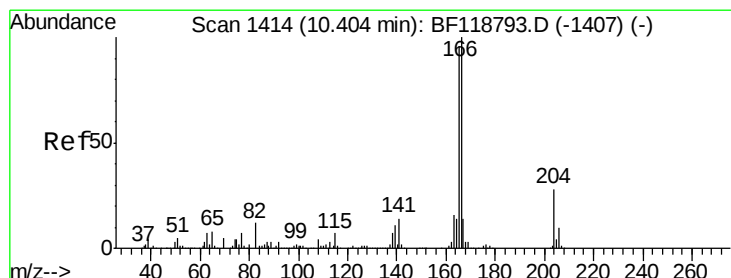
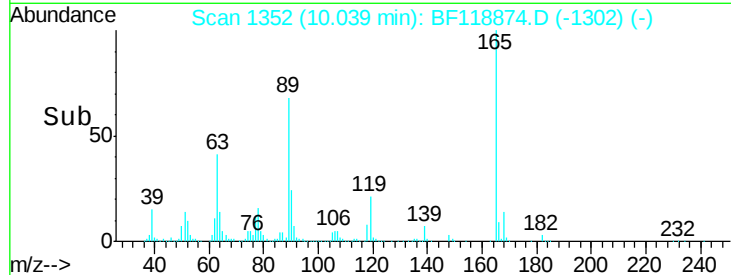
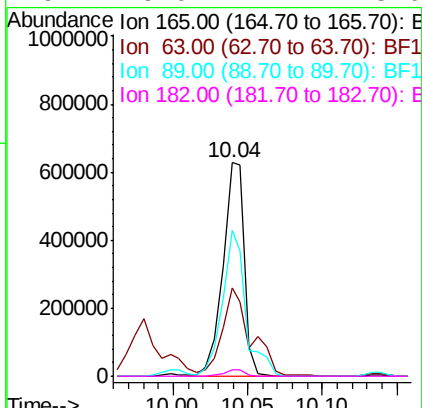
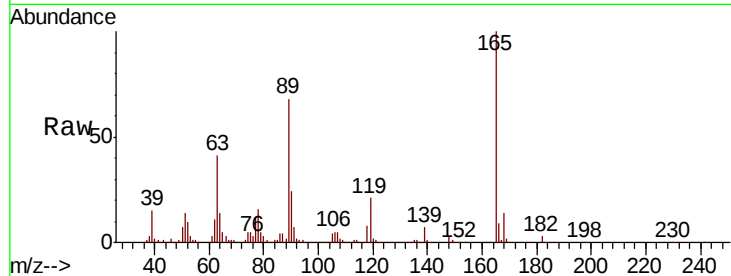




#57
 2,4-Dinitrotoluene
 Concen: 56.012 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

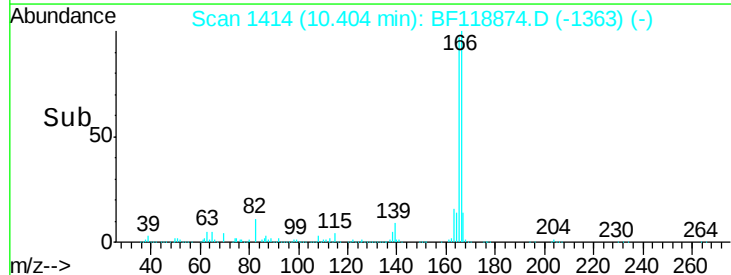
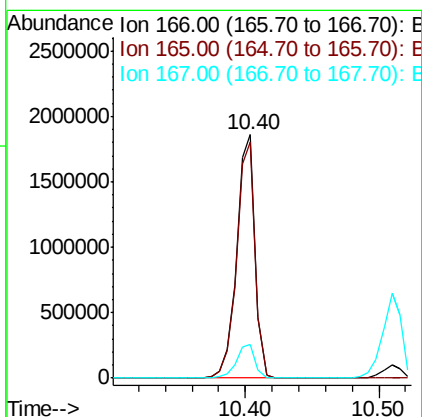
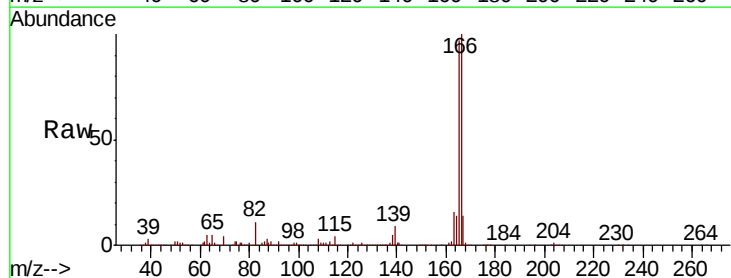
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

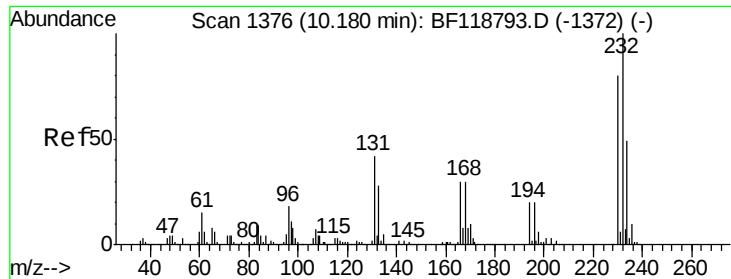
Tot Ion:165 Resp: 638578
 Ion Ratio Lower Upper
 165 100
 63 41.3 25.5 38.3#
 89 68.1 45.4 68.0#
 182 3.0 2.4 3.6



#58
 Fluorene
 Concen: 53.938 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:166 Resp: 1774214
 Ion Ratio Lower Upper
 166 100
 165 97.2 77.0 115.6
 167 13.9 11.1 16.7

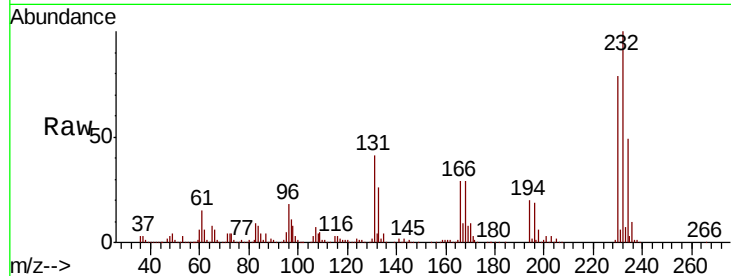




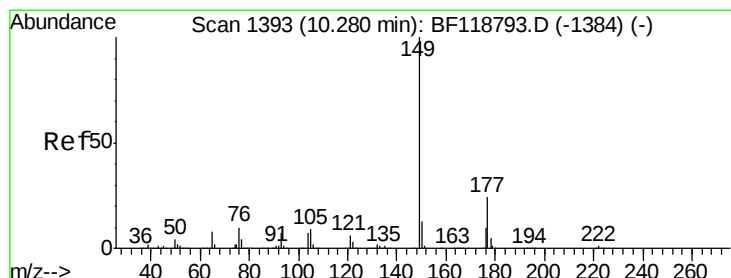
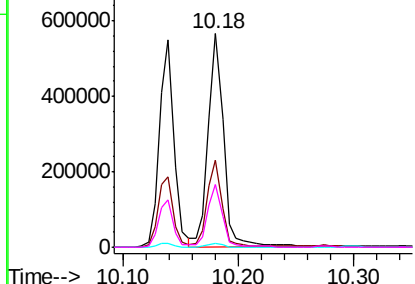
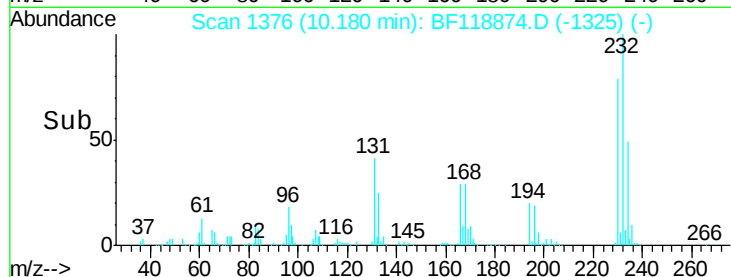
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 53.134 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion:232	Resp:	529115
Ion	Ratio	Lower Upper
232	100	
131	39.2	31.8 47.6
130	2.1	1.6 2.4
166	27.8	23.1 34.7

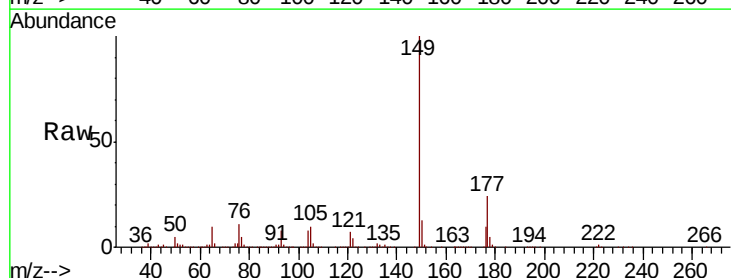


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

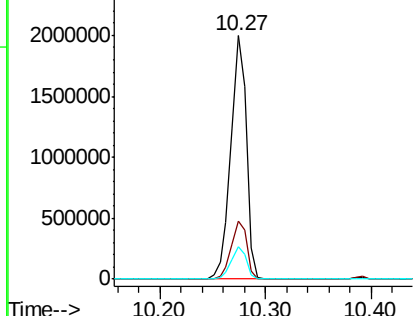
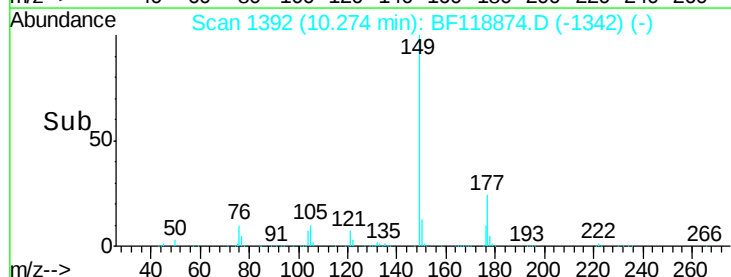


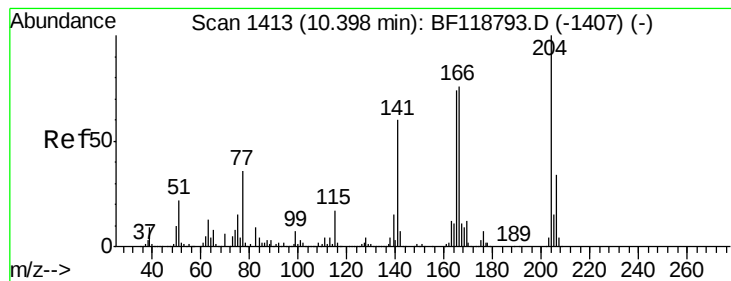
#60
 Diethylphthalate
 Concen: 55.403 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:149	Resp:	2028355
Ion	Ratio	Lower Upper
149	100	
177	24.0	19.3 28.9
150	13.2	10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 53.432 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

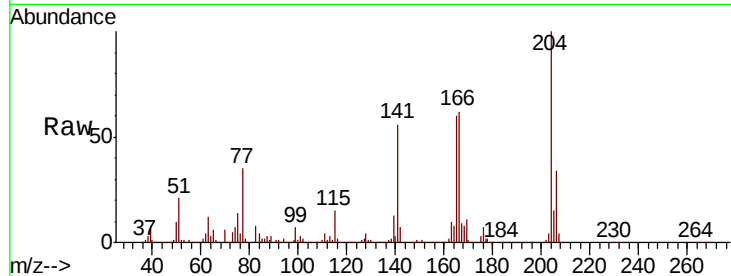
Tot Ion:204 Resp: 953162

Ion Ratio Lower Upper

204 100

206 33.8 27.4 41.2

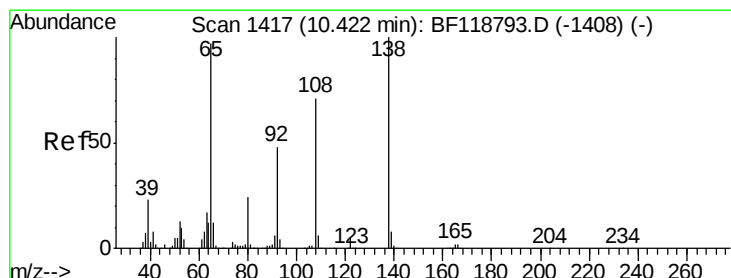
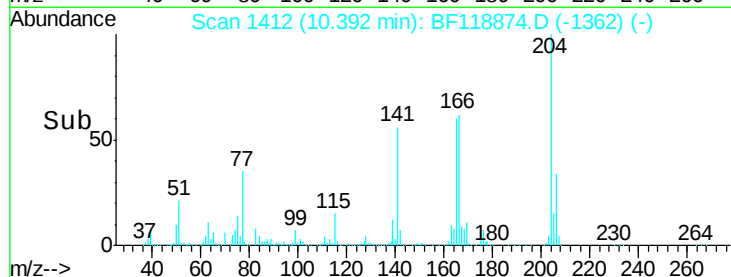
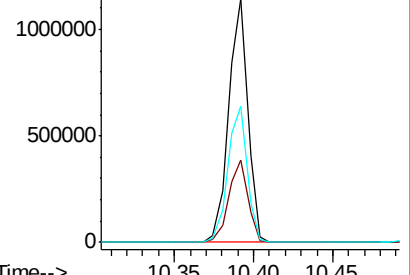
141 55.9 47.8 71.6



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 51.098 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

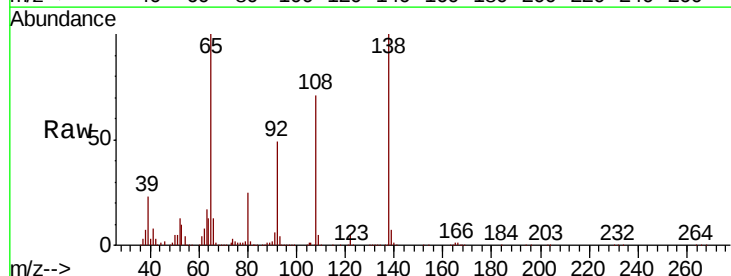
Tgt Ion:138 Resp: 488882

Ion Ratio Lower Upper

138 100

92 48.5 27.6 67.6

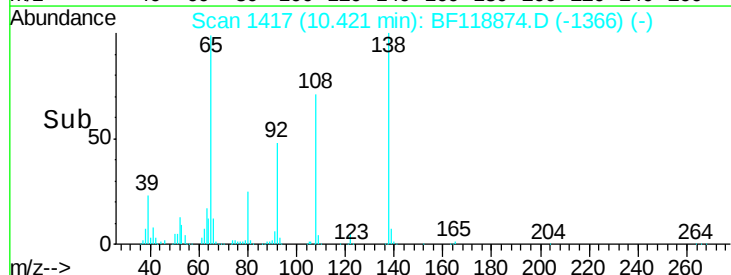
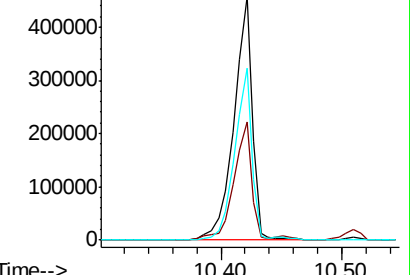
108 70.8 51.3 91.3

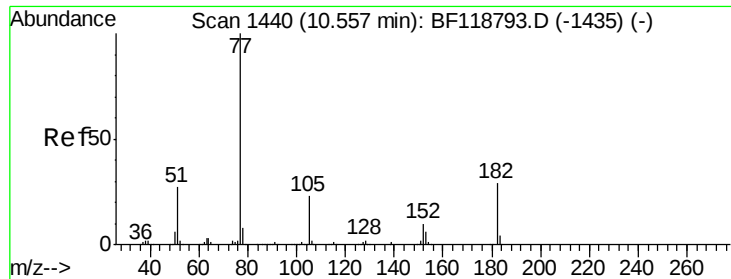


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

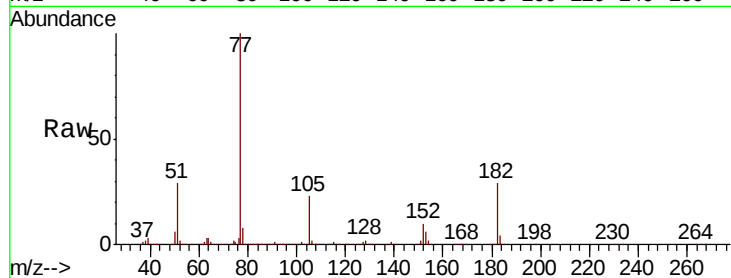




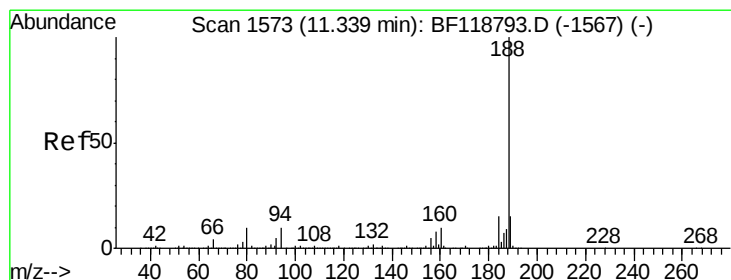
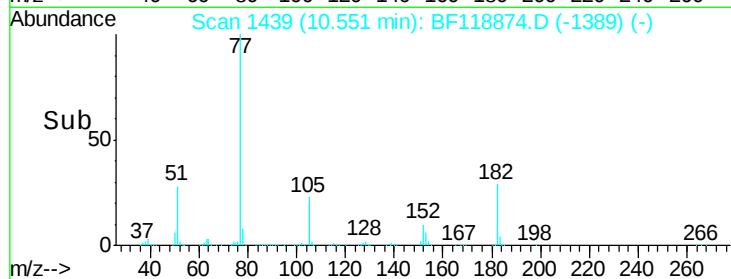
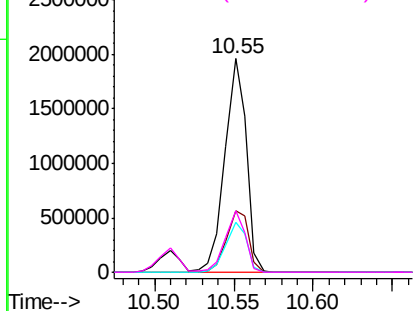
#63
Azobenzene
Concen: 58.626 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion: 77 Resp: 1832393
Ion Ratio Lower Upper
77 100
182 29.0 9.2 49.2
105 23.3 3.1 43.1
51 28.5 7.4 47.4

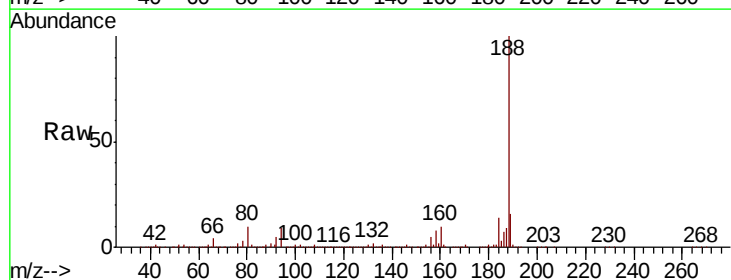


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

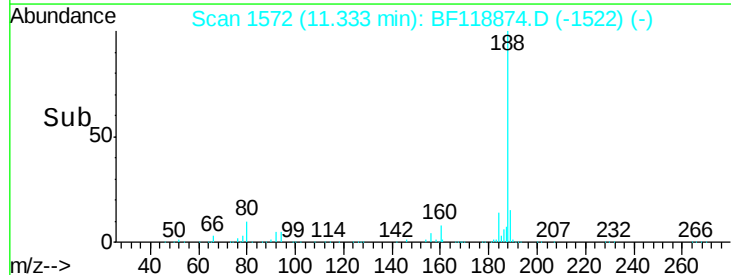
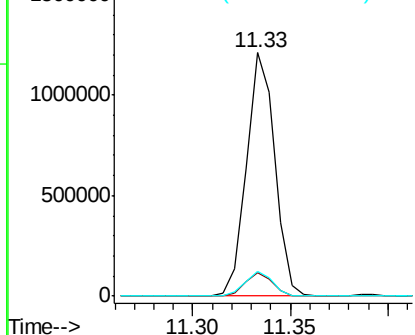


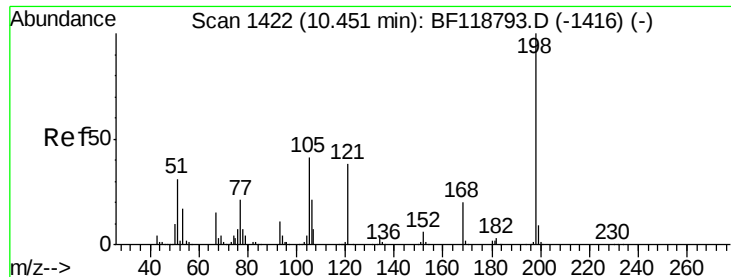
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion: 188 Resp: 1213188
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.3 8.4 12.6



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: 52.177 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

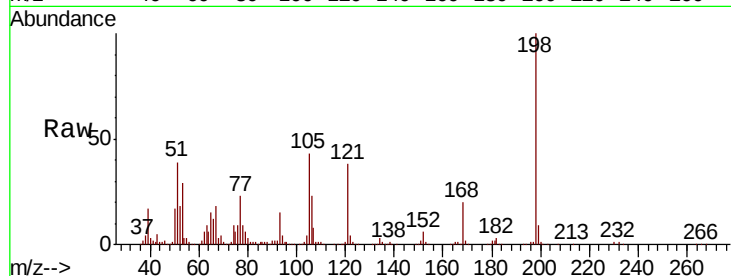
Tot Ion:198 Resp: 355694

Ion Ratio Lower Upper

198 100

51 39.2 16.7 56.7

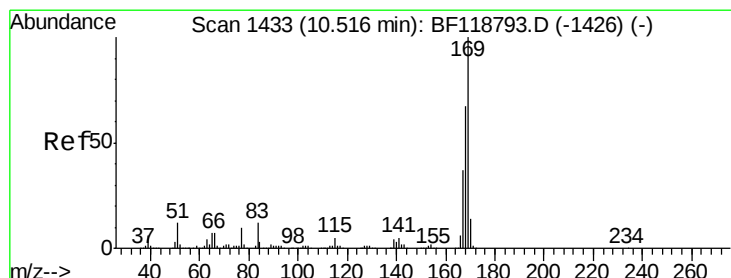
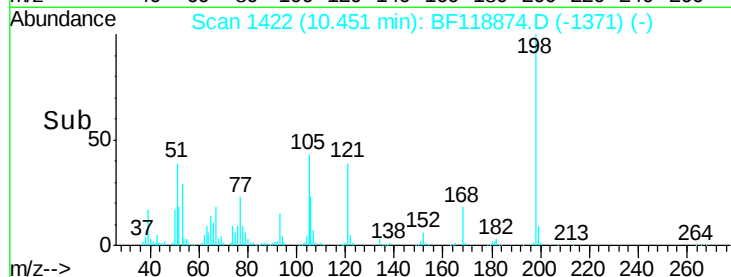
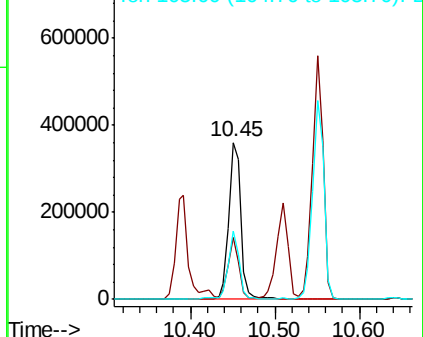
105 43.3 22.0 62.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.731 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

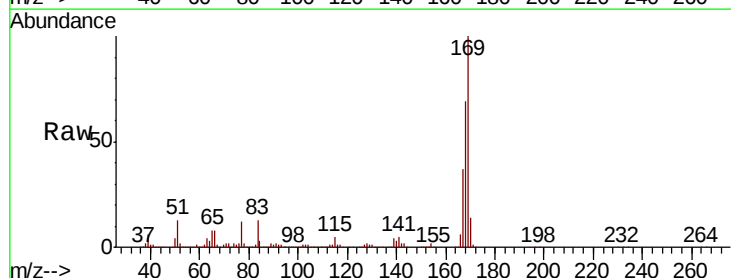
Tgt Ion:169 Resp: 1712461

Ion Ratio Lower Upper

169 100

168 68.6 53.5 80.3

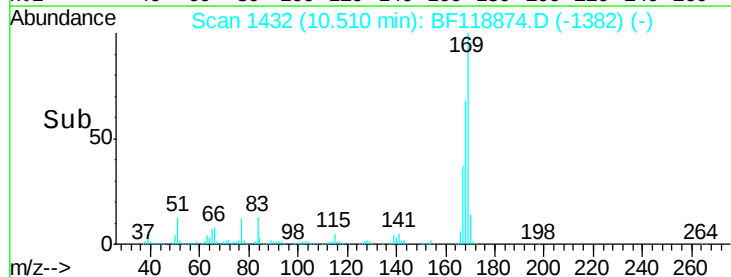
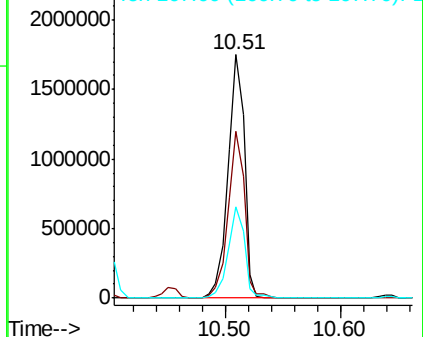
167 37.2 29.3 43.9

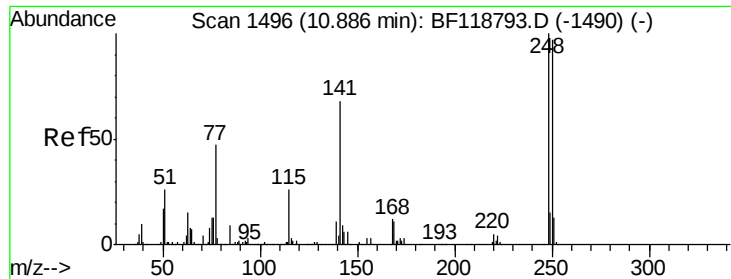


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

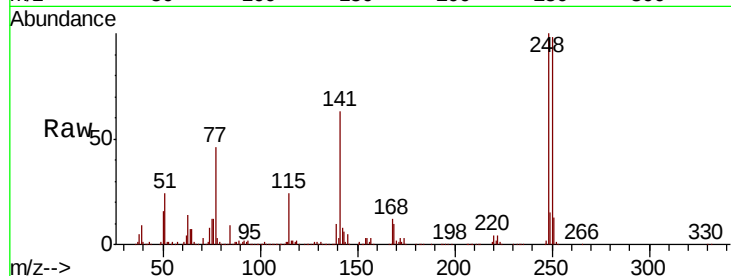




#67
4-Bromophenyl-phenylether
Concen: 47.885 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.6	116.4
141	63.2	54.4	81.6

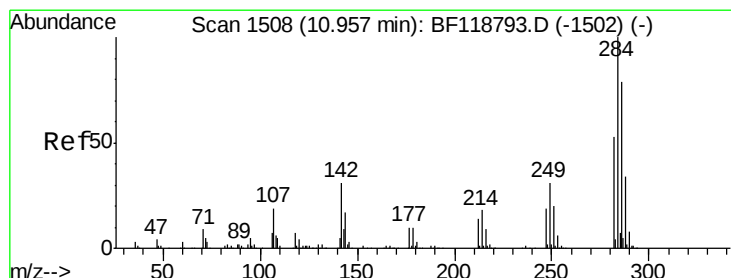
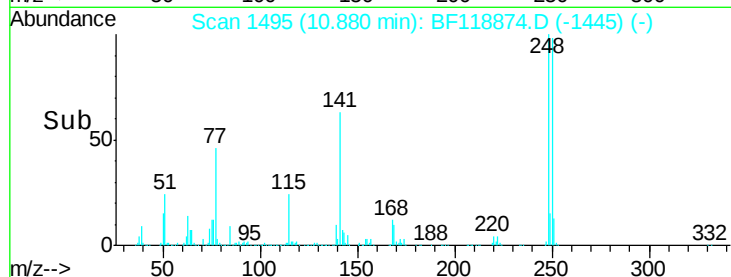
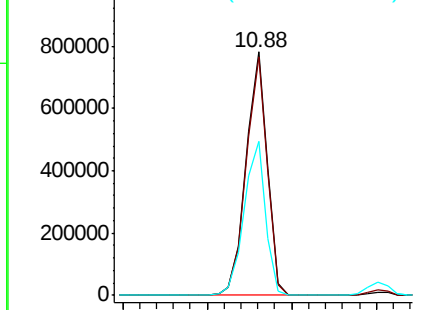


Abundance

Ion 248.00 (247.70 to 248.70): E

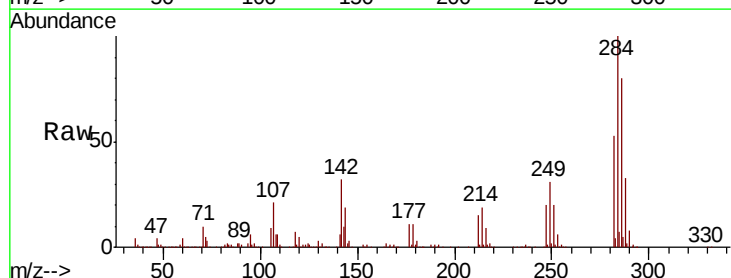
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 46.094 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.3	24.5	36.7
249	31.3	24.7	37.1

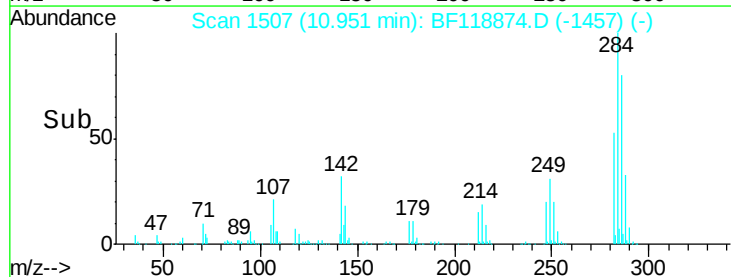
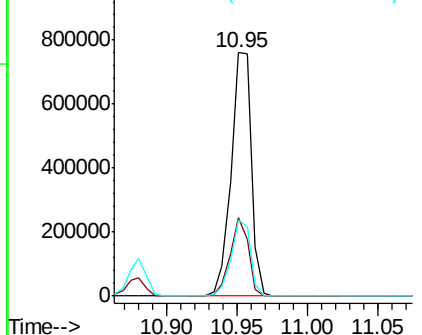


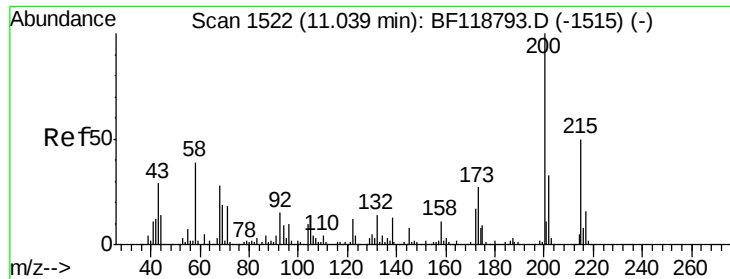
Abundance

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: 57.761 ng

RT: 11.04 min Scan# 1522

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

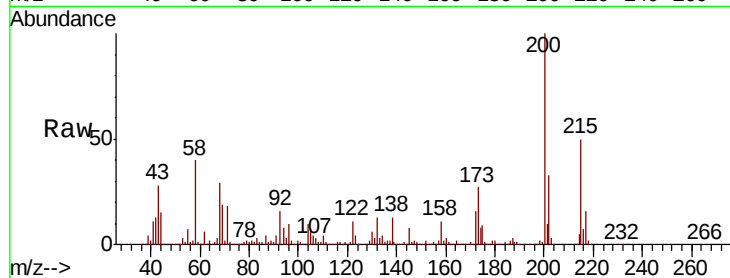
Tot Ion:200 Resp: 676241

Ion Ratio Lower Upper

200 100

173 27.4 7.5 47.5

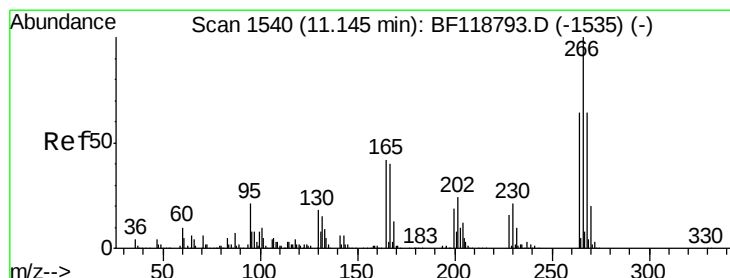
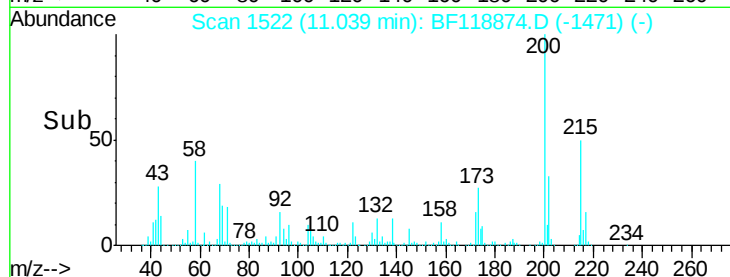
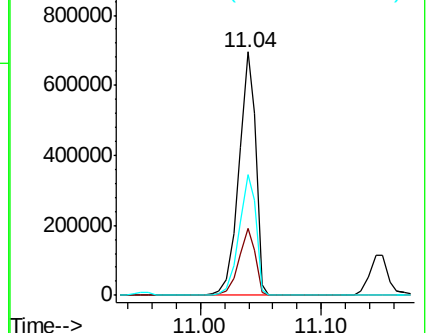
215 49.8 29.9 69.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 86.725 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

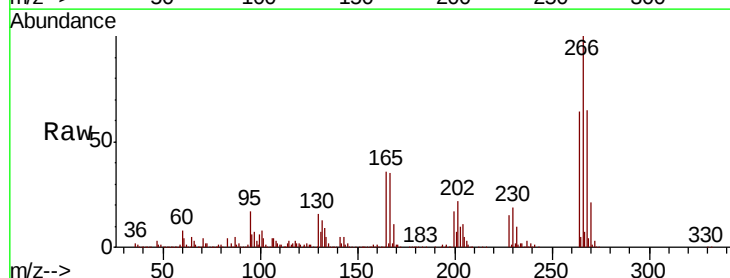
Tgt Ion:266 Resp: 753795

Ion Ratio Lower Upper

266 100

268 64.9 51.0 76.6

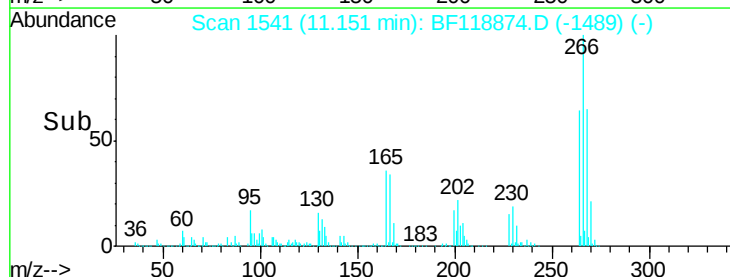
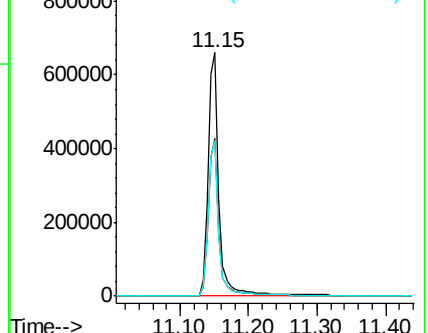
264 63.5 51.4 77.2

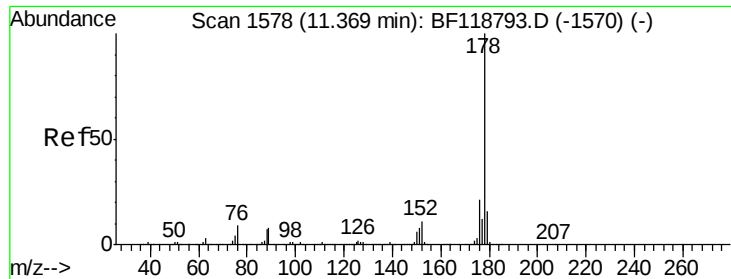


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

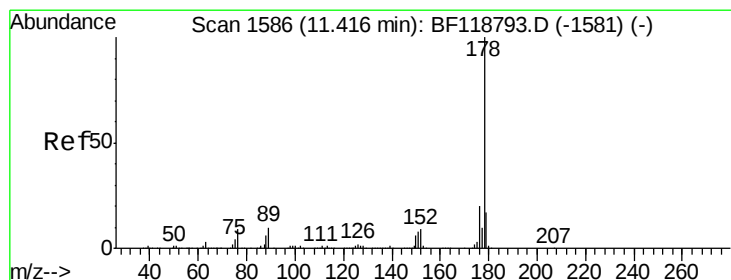
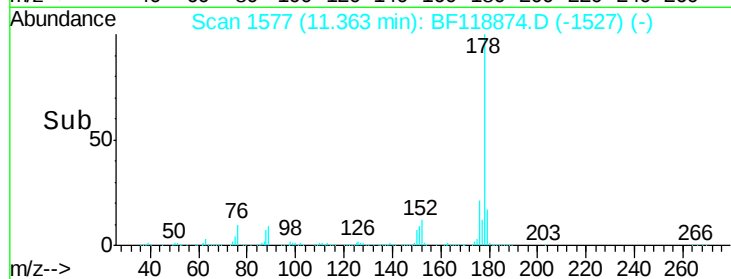
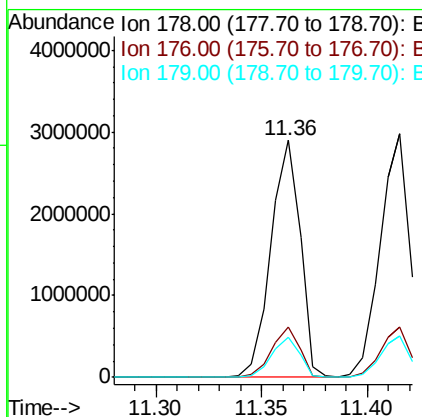
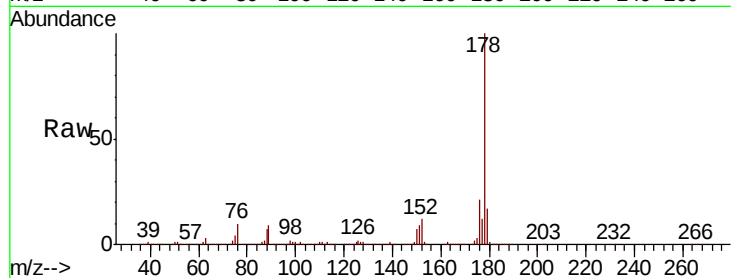




#71
Phenanthrene
Concen: 47.116 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

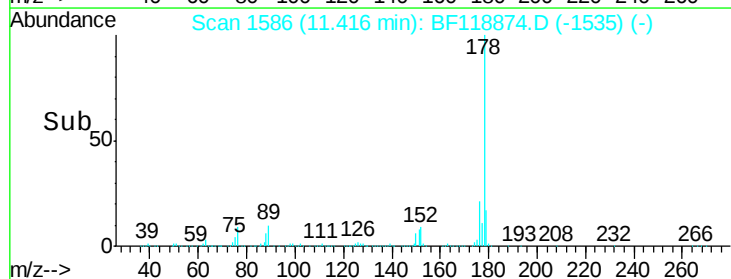
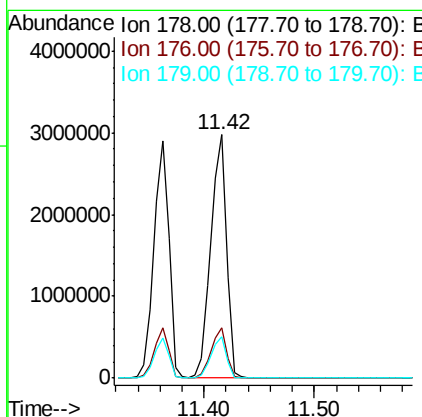
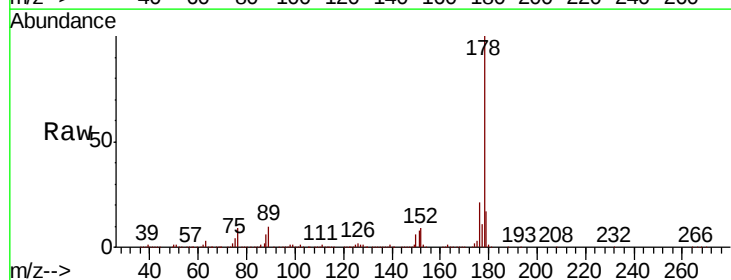
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

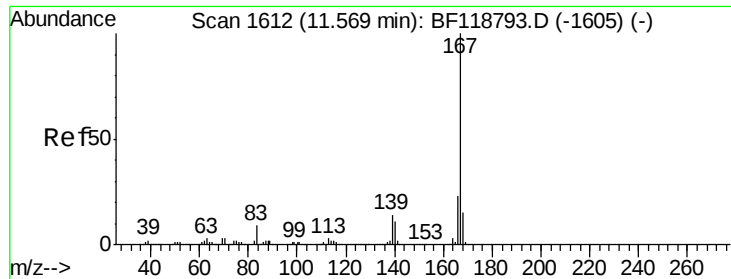
Tot Ion:178 Resp: 2812402
Ion Ratio Lower Upper
178 100
176 21.4 16.6 24.8
179 17.1 13.2 19.8



#72
Anthracene
Concen: 48.676 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:178 Resp: 2890460
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 17.1 13.4 20.2





#73

Carbazole

Concen: 50.100 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

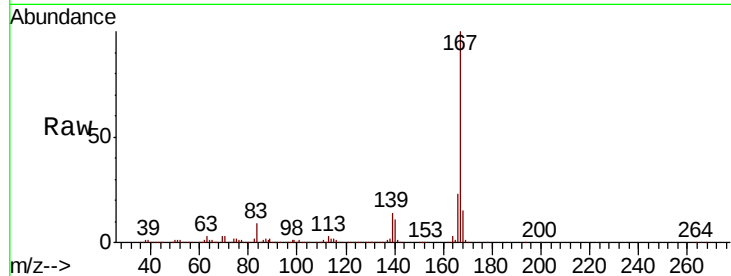
Tot Ion:167 Resp: 2610918

Ion Ratio Lower Upper

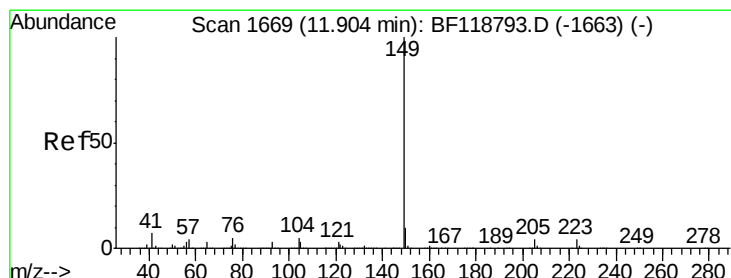
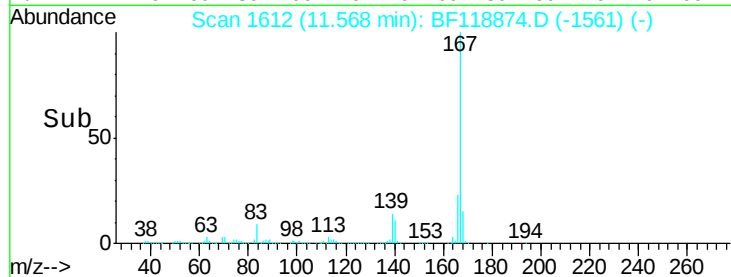
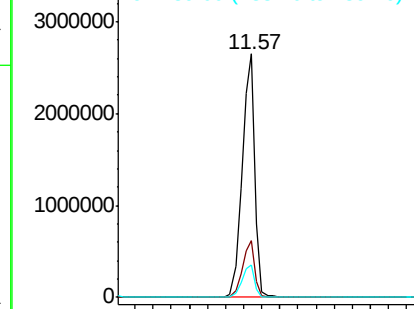
167 100

166 23.1 18.4 27.6

139 13.6 11.1 16.7



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: 37.774 ng

RT: 11.90 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

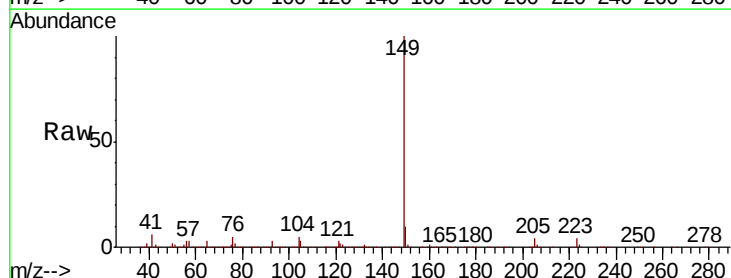
Tgt Ion:149 Resp: 2507653

Ion Ratio Lower Upper

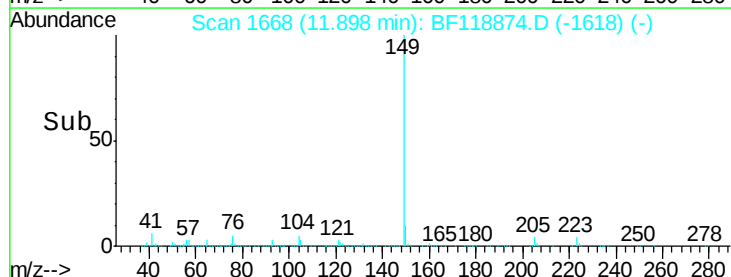
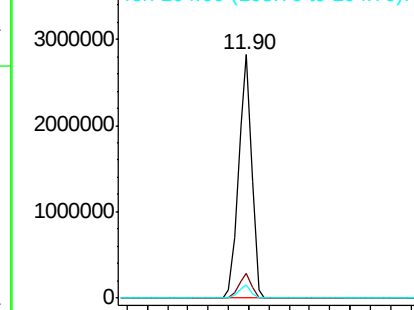
149 100

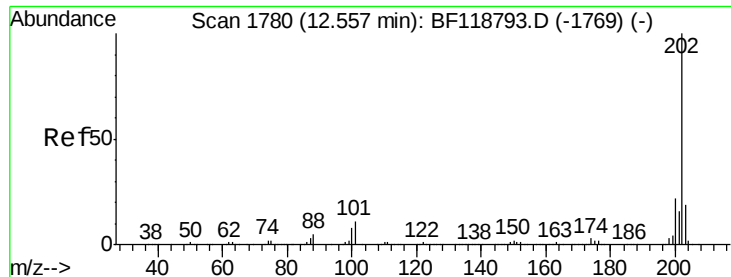
150 10.1 8.1 12.1

104 5.4 4.3 6.5



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

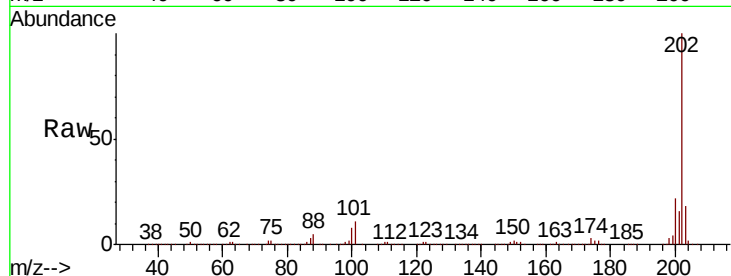




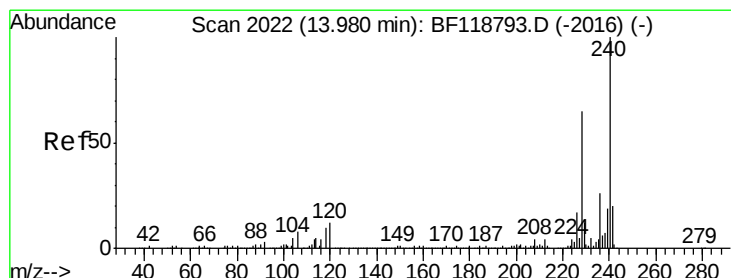
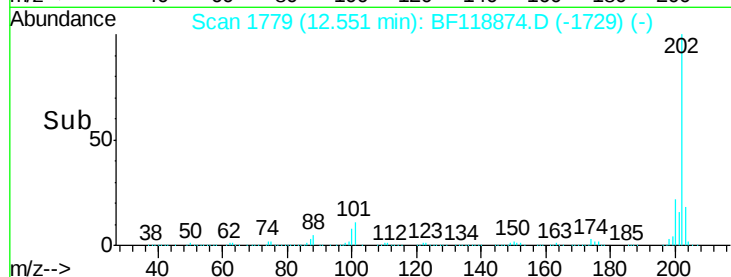
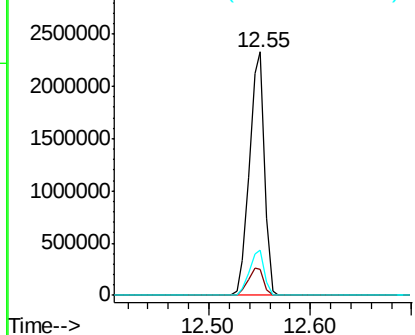
#75
 Fluoranthene
 Concen: 36.748 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion:202 Resp: 2394916
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.0
 203 18.3 0.0 38.7

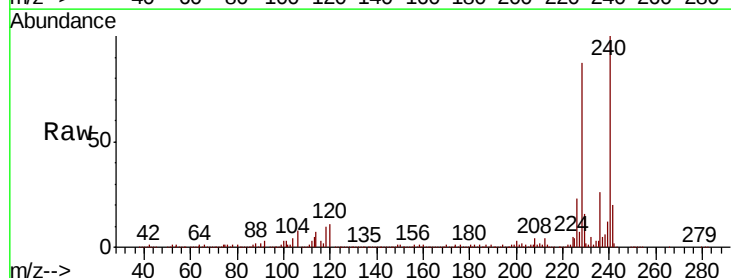


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

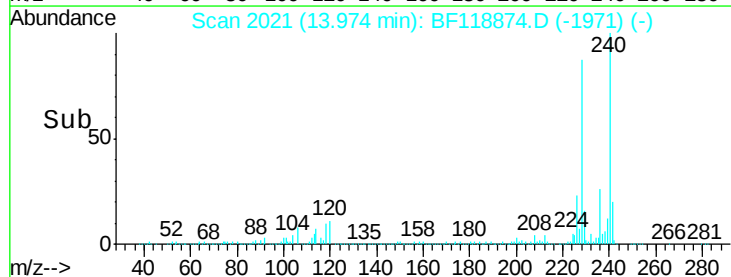
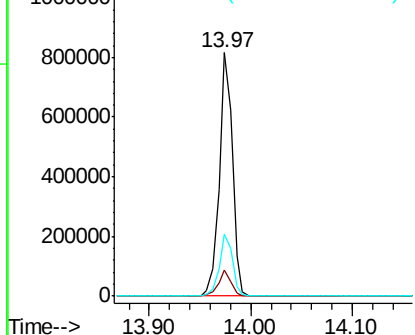


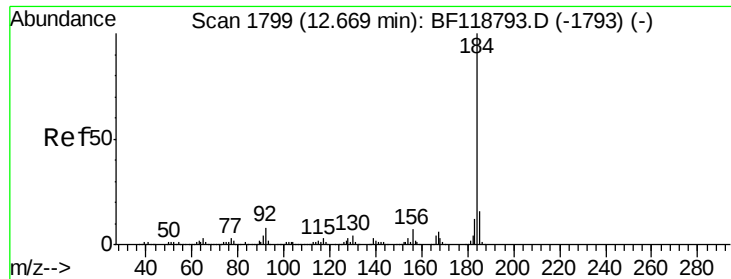
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:240 Resp: 731475
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.4 14.0
 236 25.6 21.0 31.6



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: 53.490 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

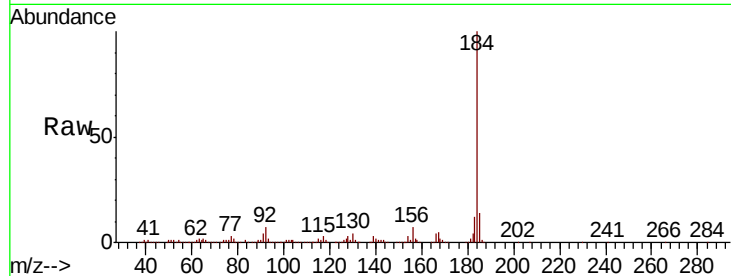
Tot Ion:184 Resp: 1183411

Ion Ratio Lower Upper

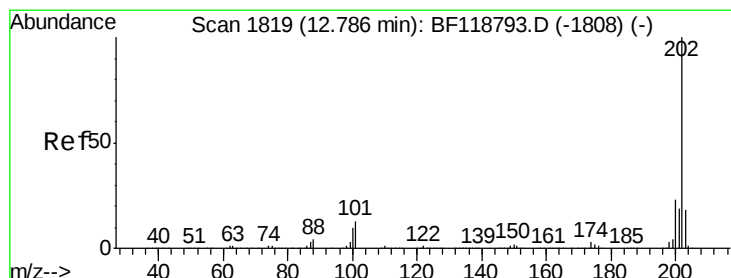
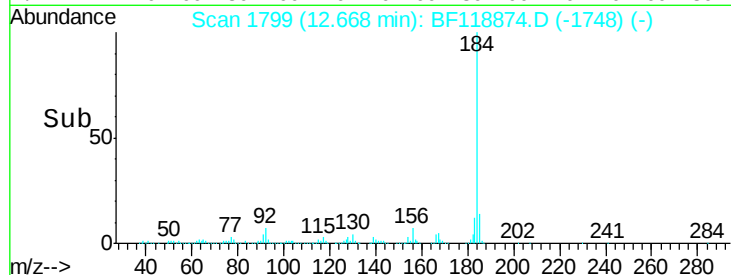
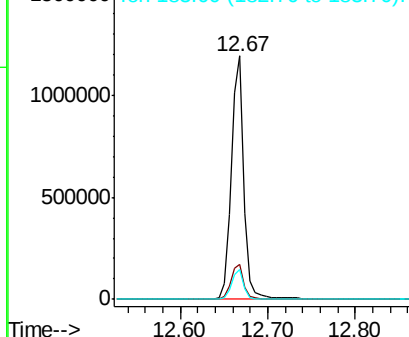
184 100

185 14.2 12.5 18.7

183 12.2 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.516 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

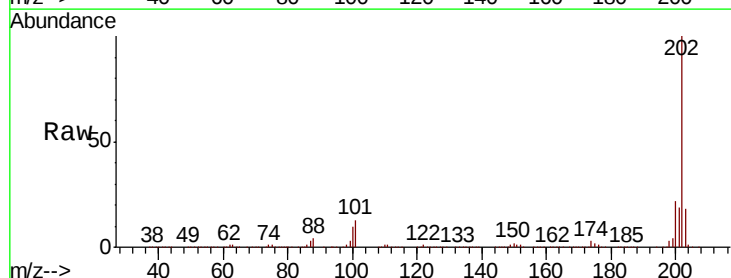
Tgt Ion:202 Resp: 2384388

Ion Ratio Lower Upper

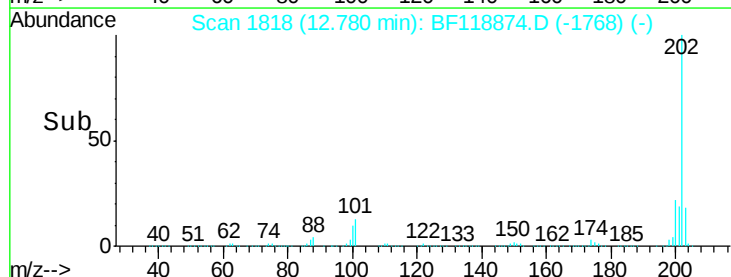
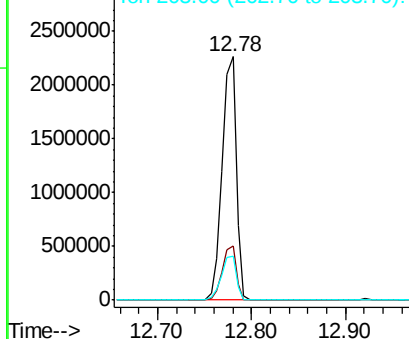
202 100

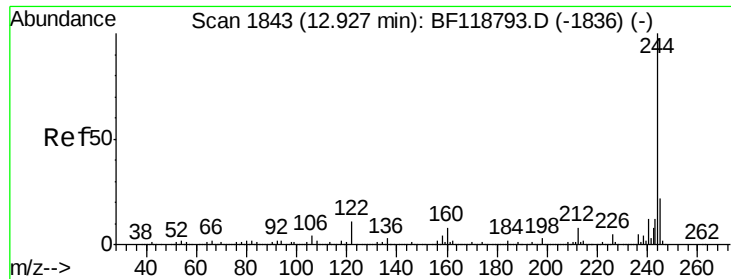
200 22.2 18.2 27.2

203 18.3 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.380 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

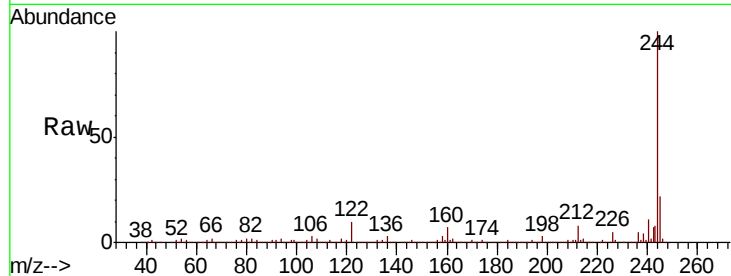
Tot Ion:244 Resp: 3111733

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

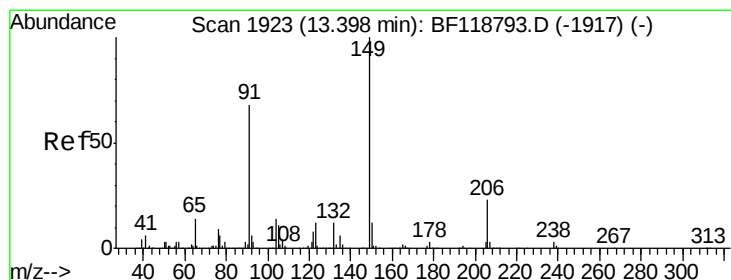
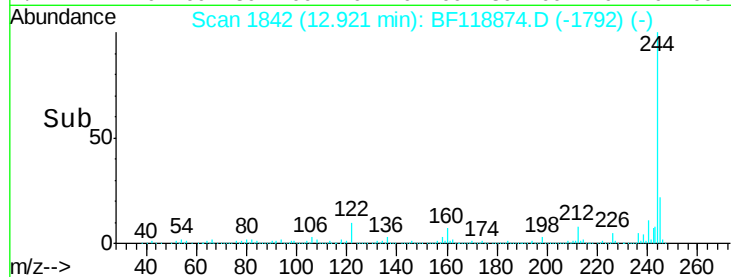
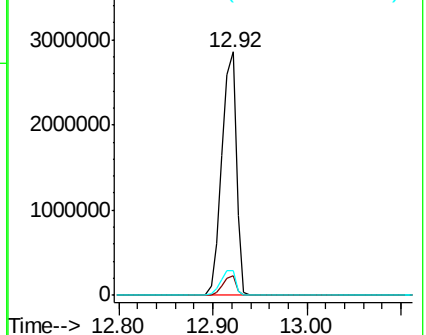
122 9.9 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 52.253 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

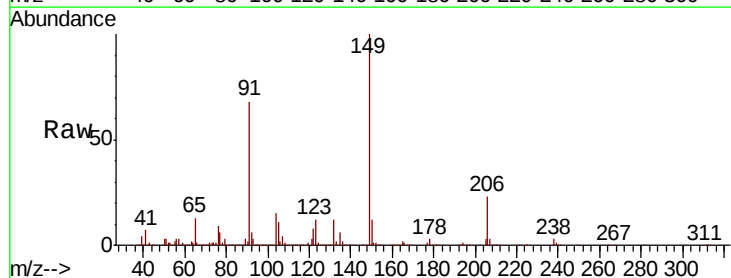
Tgt Ion:149 Resp: 1196799

Ion Ratio Lower Upper

149 100

91 68.4 54.7 82.1

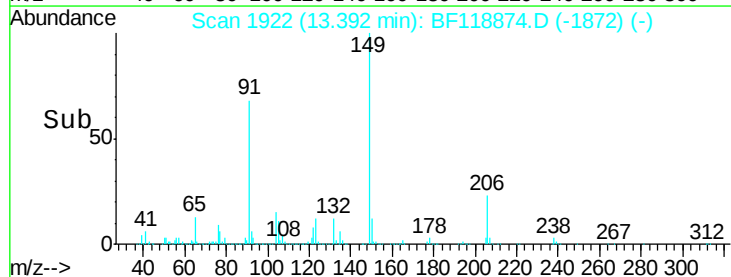
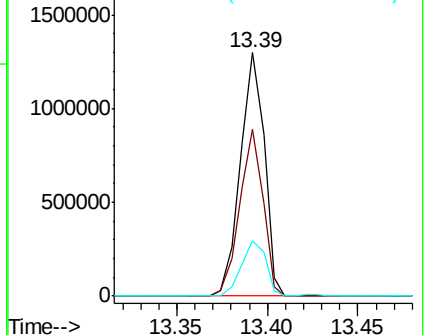
206 23.0 18.5 27.7

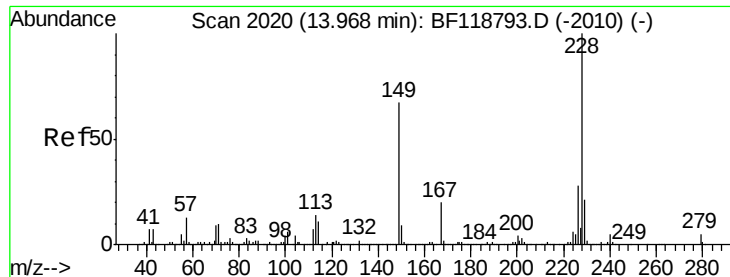


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

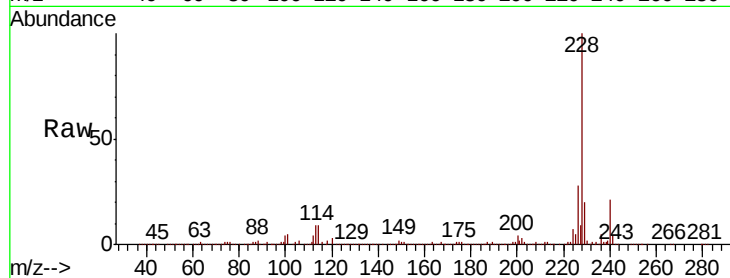




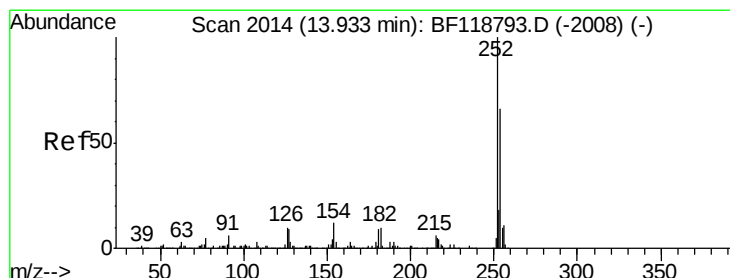
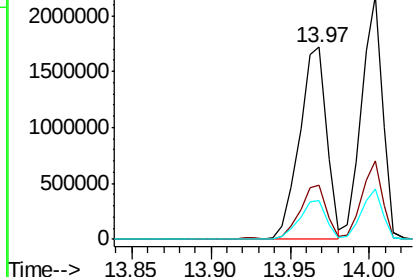
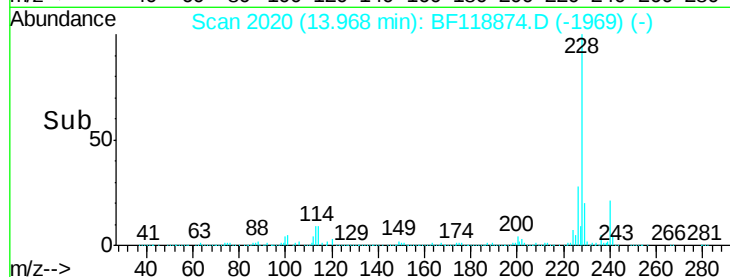
#81
Benzo(a)anthracene
Concen: 46.575 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampled :
TP-4MSD

Tot Ion:228 Resp: 2027287
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 20.1 16.6 25.0

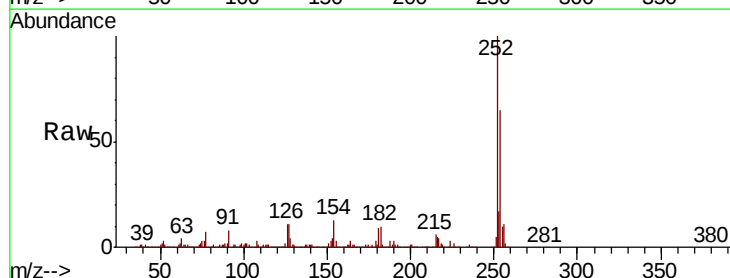


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

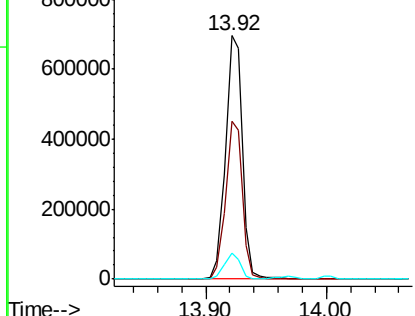
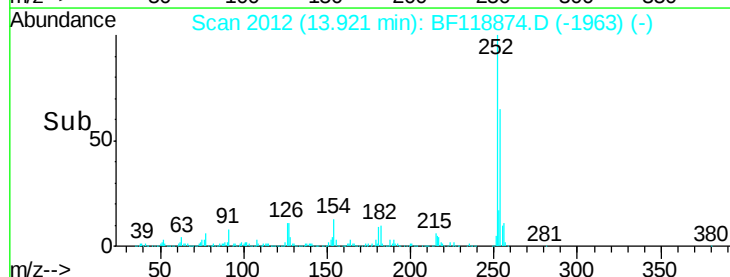


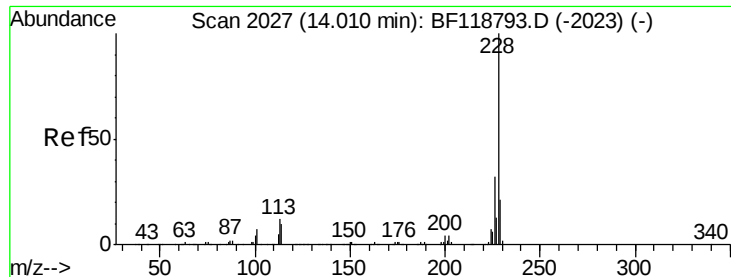
#82
3,3'-Dichlorobenzidine
Concen: 37.887 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:252 Resp: 674479
Ion Ratio Lower Upper
252 100
254 64.9 52.4 78.6
126 10.9 7.8 11.8



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

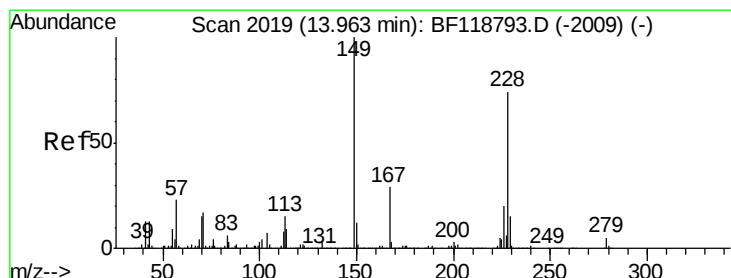
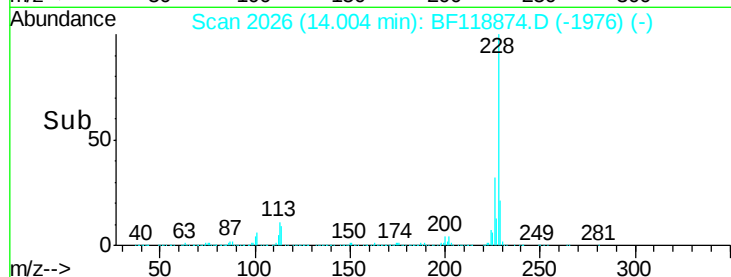
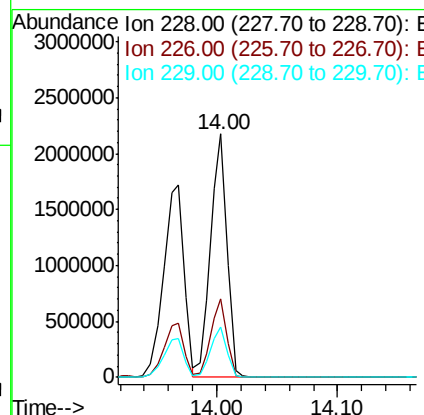
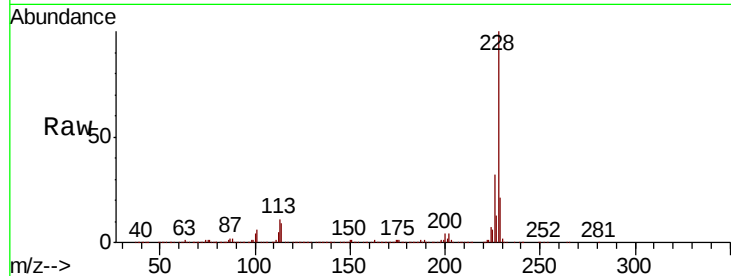




#83
Chrvsene
Concen: 46.709 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

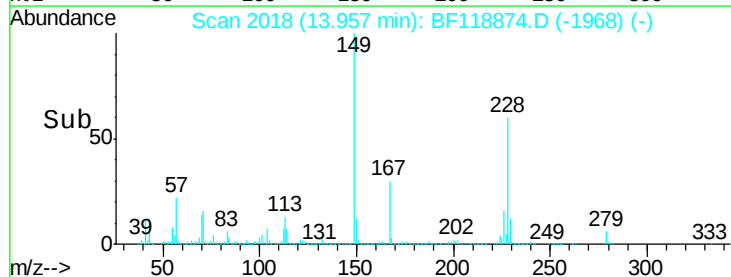
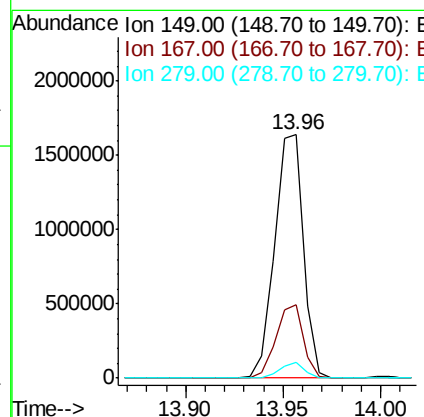
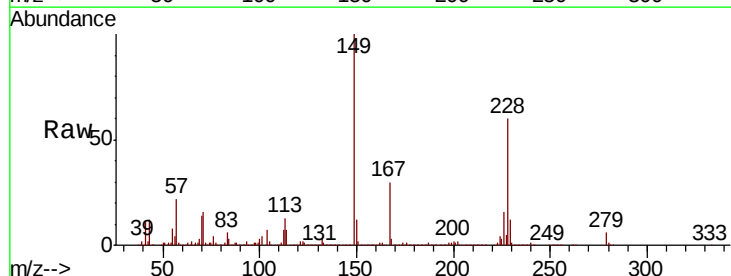
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

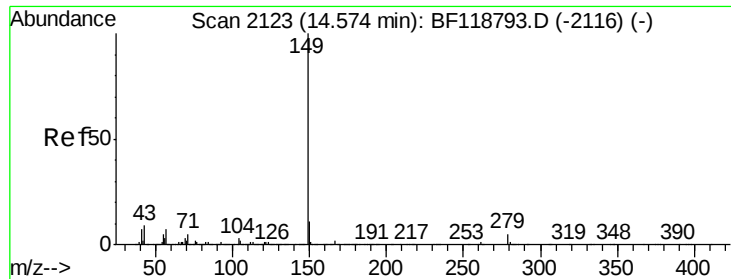
Tot Ion:228 Resp: 2040554
Ion Ratio Lower Upper
228 100
226 32.1 25.4 38.0
229 20.9 16.9 25.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.598 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:149 Resp: 1673739
Ion Ratio Lower Upper
149 100
167 30.0 23.0 34.6
279 6.4 4.4 6.6

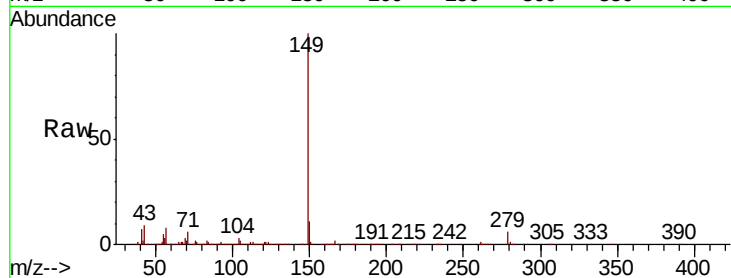




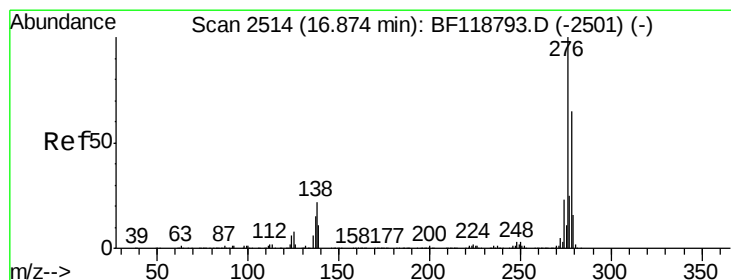
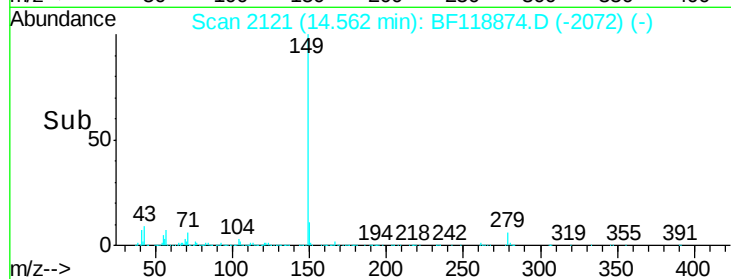
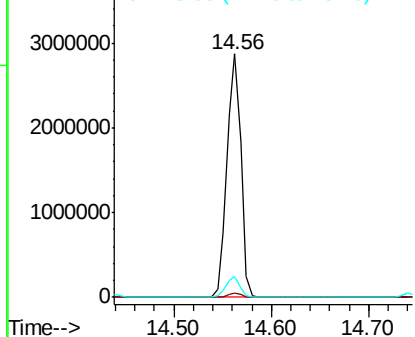
#85
Di-n-octyl phthalate
Concen: 57.017 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:149 Resp: 2838406
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 8.4 6.6 10.0

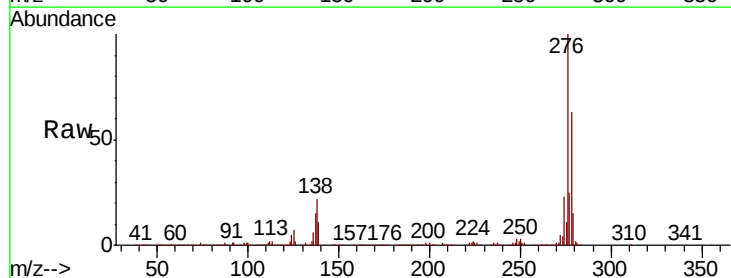


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

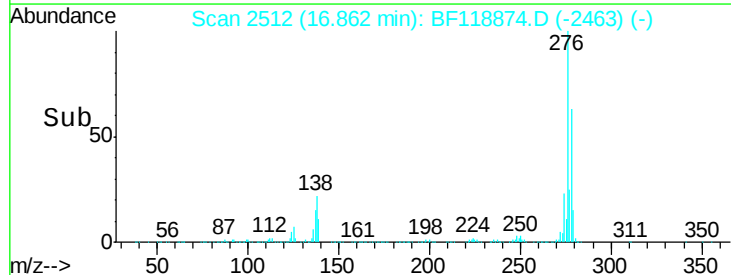
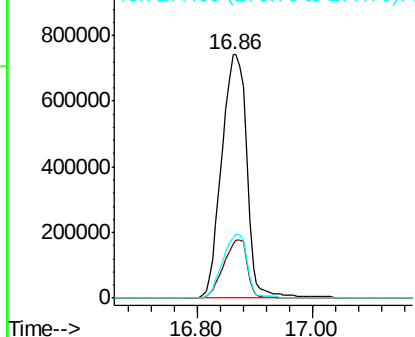


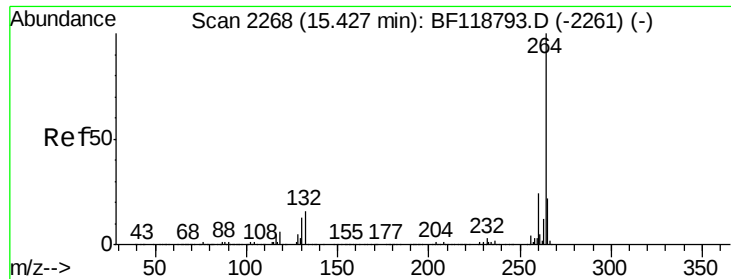
#86
Indeno(1,2,3-cd)pyrene
Concen: 51.422 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:276 Resp: 2257067
Ion Ratio Lower Upper
276 100
138 22.8 18.3 27.5
277 25.7 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



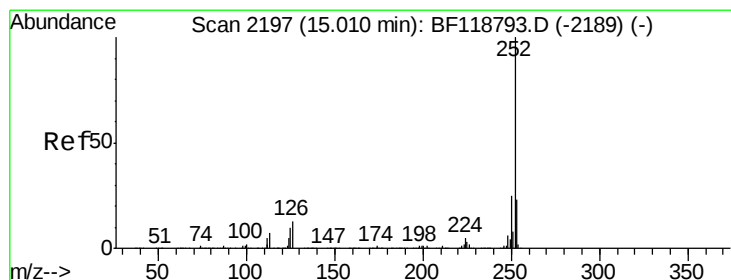
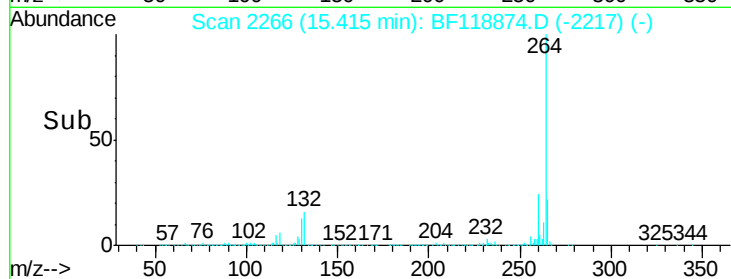
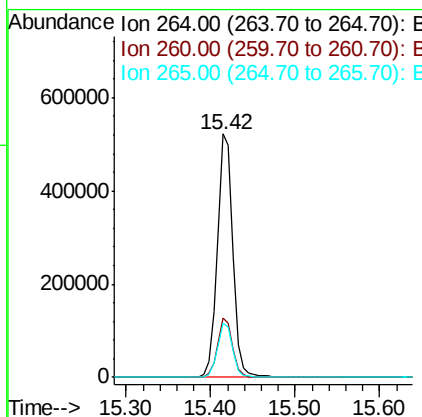
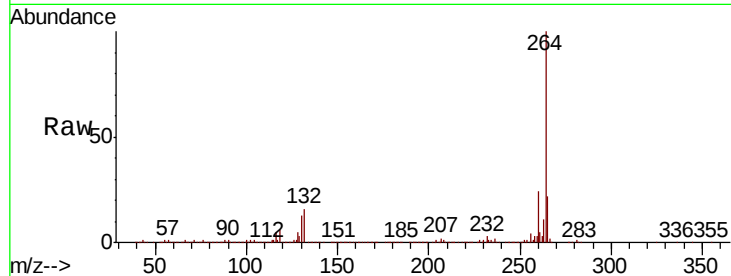


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:264 Resp: 686308

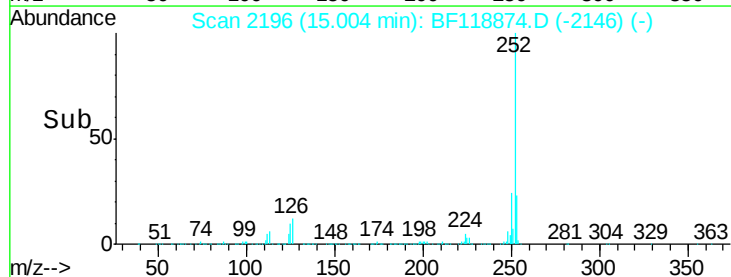
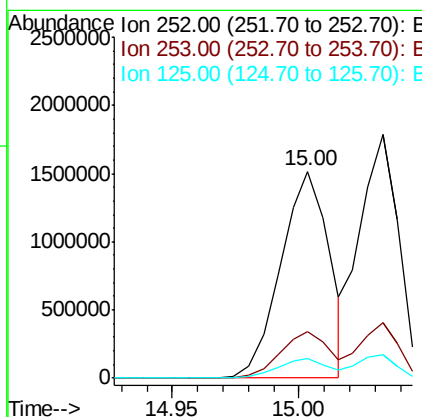
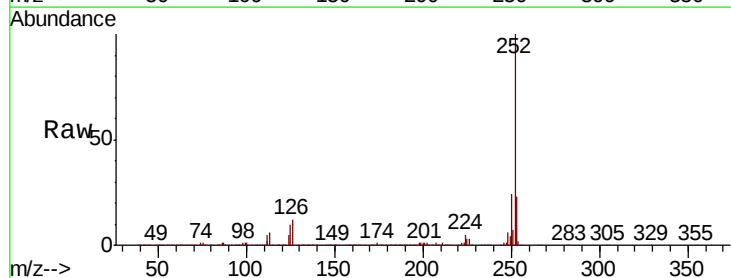
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.4	17.2	25.8

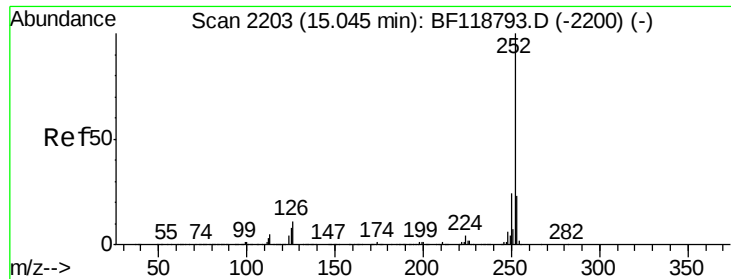


#88
Benzo(b)fluoranthene
Concen: 47.377 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:252 Resp: 2017614

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	9.6	8.1	12.1

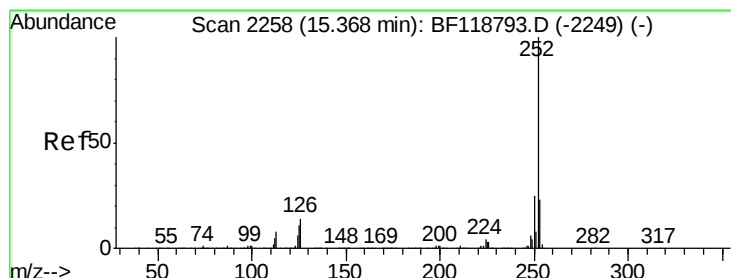
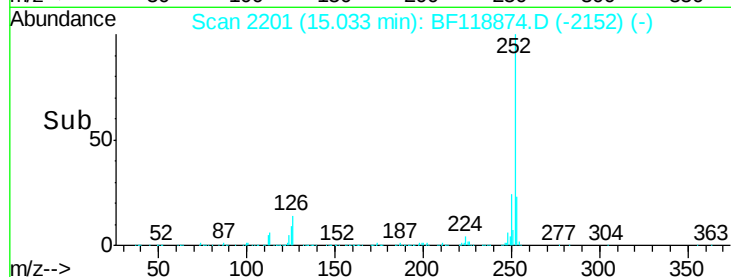
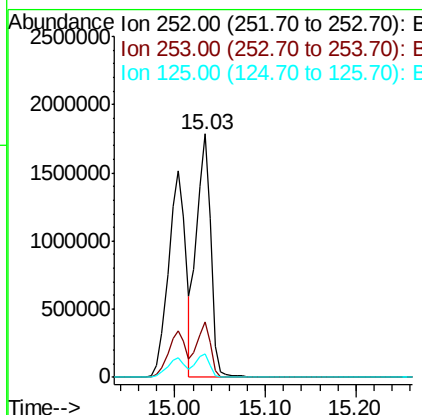
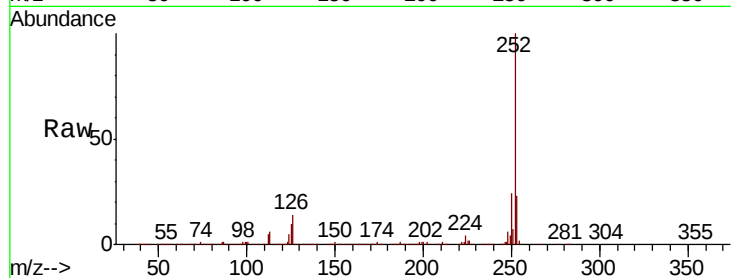




#89
Benzo(k)fluoranthene
Concen: 52.287 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

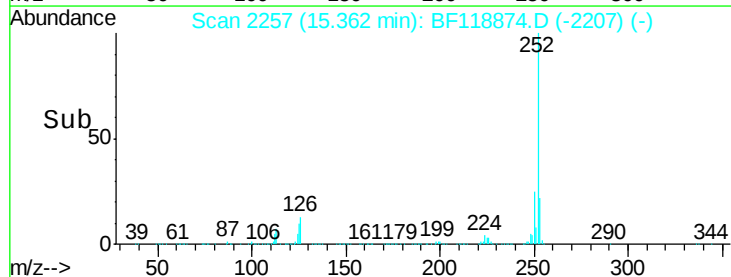
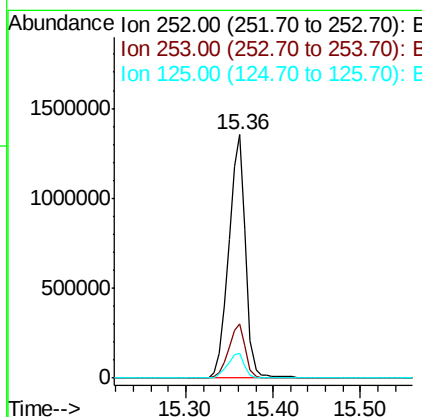
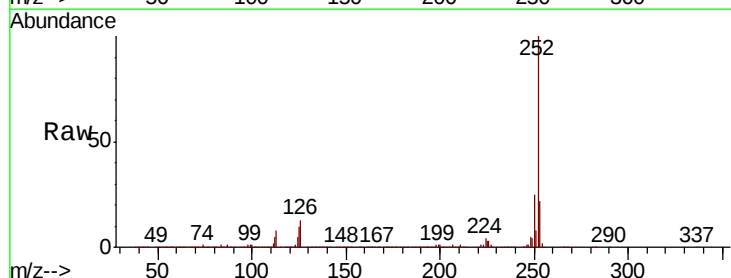
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

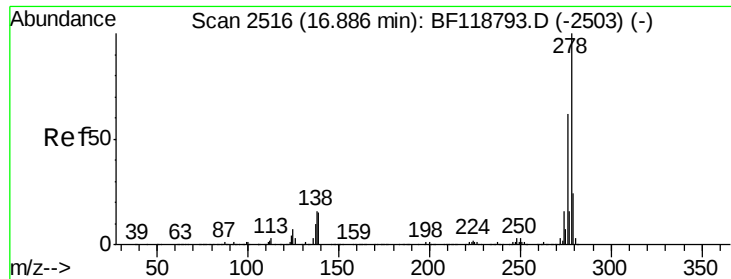
Tot Ion:252 Resp: 1939054
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 9.6 7.0 10.6



#90
Benzo(a)pyrene
Concen: 48.719 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:252 Resp: 1775607
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.0 8.7 13.1

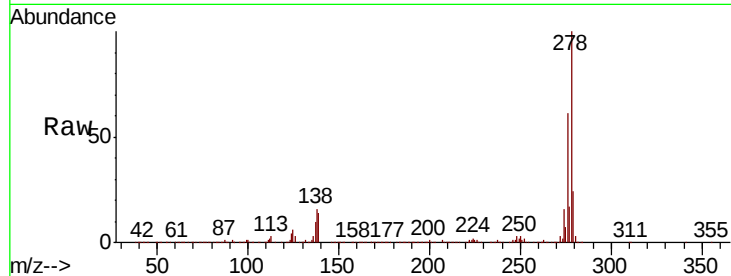




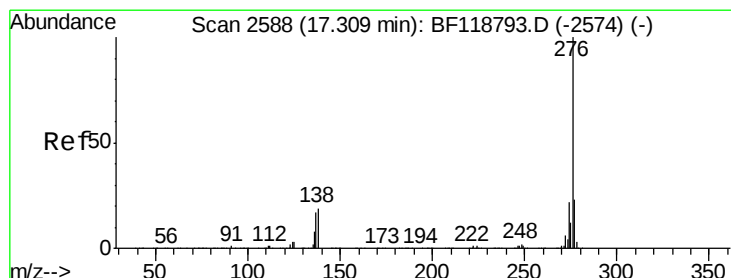
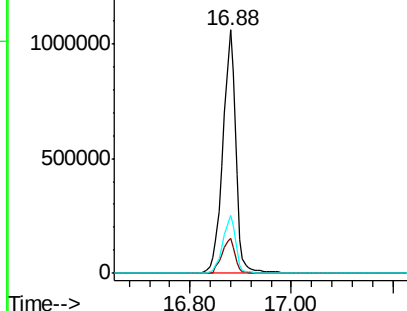
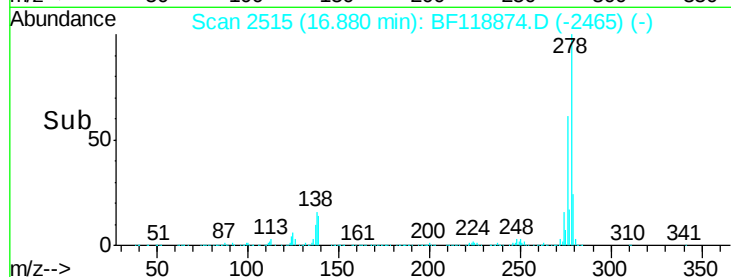
#91
Dibenzo(a,h)anthracene
Concen: 58.919 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampled :
TP-4MSD

Tot Ion:278 Resp: 1906295
Ion Ratio Lower Upper
278 100
139 14.4 12.3 18.5
279 23.9 19.1 28.7

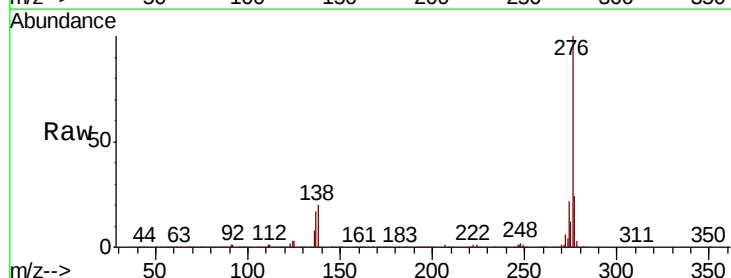


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 60.713 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:276 Resp: 1889109
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 19.5 15.4 23.2



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

