

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114646.D
 Acq On : 29 May 2019 21:23
 Operator : HP/JU
 Sample : K3068-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Quant Time: May 30 04:25:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	334038	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1314876	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	664937	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1349850	20.00	ng	0.00
76) Chrysene-d12	13.82	240	834199	20.00	ng	0.00
87) Perylene-d12	15.20	264	921087	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	2368787	124.50	ng	0.01
7) Phenol-d6	6.33	99	3027231	132.04	ng	0.00
23) Nitrobenzene-d5	7.26	82	1878558	89.14	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	879478	138.81	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3187727	91.23	ng	0.00
79) Terphenyl-d14	12.78	244	3731138	84.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	326815	35.795	ng	100
3) Pyridine	3.06	79	914137	34.403	ng	99
4) n-Nitrosodimethylamine	2.99	42	446870	41.558	ng	99
6) Aniline	6.36	93	674441	19.475	ng	98
8) 2-Chlorophenol	6.48	128	986882	44.915	ng	98
9) Benzaldehyde	6.23	77	429915	31.166	ng	99
10) Phenol	6.35	94	1174450	42.405	ng	99
11) bis(2-Chloroethyl)ether	6.43	93	919560	43.407	ng	99
12) 1,3-Dichlorobenzene	6.63	146	1033145	41.271	ng	96
13) 1,4-Dichlorobenzene	6.71	146	1040133	41.418	ng	98
14) 1,2-Dichlorobenzene	6.87	146	968377	42.355	ng	99
15) Benzyl Alcohol	6.84	79	831459	46.105	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1370826	42.189	ng	100
17) 2-Methylphenol	6.96	107	831523	44.744	ng	99
18) Hexachloroethane	7.21	117	386251	40.623	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	685030	43.287	ng	99
20) 3+4-Methylphenols	7.11	107	927943	42.455	ng	88
22) Acetophenone	7.10	105	1266693	45.213	ng	# 98
24) Nitrobenzene	7.27	77	1013188	45.257	ng	97
25) Isophorone	7.52	82	1915811	45.296	ng	99
26) 2-Nitrophenol	7.59	139	526397	48.304	ng	100
27) 2,4-Dimethylphenol	7.64	122	920741	50.803	ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	1192477	44.290	ng	99
29) 2,4-Dichlorophenol	7.83	162	861670	46.709	ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	921639	43.851	ng	99
31) Naphthalene	8.00	128	2669305	44.073	ng	100
32) Benzoic acid	7.73	122	192988	16.394	ng	97
33) 4-Chloroaniline	8.04	127	251277	8.708	ng	99
34) Hexachlorobutadiene	8.13	225	495867	42.470	ng	99
35) Caprolactam	8.42	113	166811	26.795	ng	97
36) 4-Chloro-3-methylphenol	8.53	107	905767	48.960	ng	97
37) 2-Methylnaphthalene	8.69	142	1903023	47.291	ng	99
38) 1-Methylnaphthalene	8.79	142	1802224	47.269	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	769415	43.451	ng	99

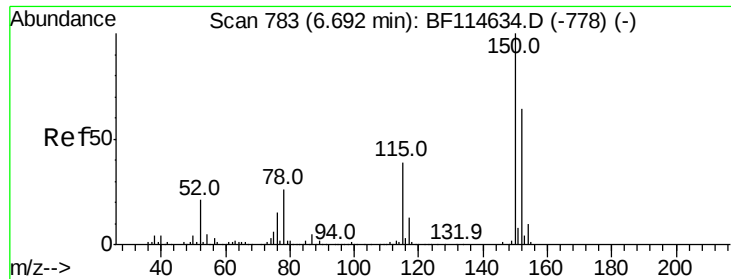
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	862596	73.716	nq	99
43) 2,4,6-Trichlorophenol	8.96	196	648899	46.572	nq	99
44) 2,4,5-Trichlorophenol	9.00	196	675830	48.607	nq	98
46) 1,1'-Biphenyl	9.15	154	2207419	44.722	nq	100
47) 2-Chloronaphthalene	9.17	162	1792505	44.272	nq	100
48) 2-Nitroaniline	9.26	65	560840	44.886	nq	99
49) Acenaphthylene	9.59	152	2775017	44.365	nq	99
50) Dimethylphthalate	9.46	163	2669614	57.617	nq	98
51) 2,6-Dinitrotoluene	9.51	165	518340	48.145	nq	97
52) Acenaphthene	9.76	154	1823953	47.547	nq	100
53) 3-Nitroaniline	9.67	138	275610	20.916	nq	99
54) 2,4-Dinitrophenol	9.77	184	331138	77.976	nq	# 89
55) Dibenzofuran	9.93	168	2494240	45.678	nq	99
56) 4-Nitrophenol	9.84	139	937331	95.991	nq	92
57) 2,4-Dinitrotoluene	9.91	165	693307	50.176	nq	96
58) Fluorene	10.27	166	1692202	47.578	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	579460	50.916	nq	99
60) Diethylphthalate	10.16	149	2227751	47.076	nq	99
61) 4-Chlorophenyl-phenylether	10.26	204	844875	46.922	nq	100
62) 4-Nitroaniline	10.29	138	551660	42.964	nq	98
63) Azobenzene	10.42	77	2027734	46.671	nq	100
65) 4,6-Dinitro-2-methylphenol	10.32	198	290198	48.484	nq	82
66) n-Nitrosodiphenylamine	10.38	169	1822215	45.691	nq	100
67) 4-Bromophenyl-phenylether	10.75	248	626044	43.249	nq	99
68) Hexachlorobenzene	10.82	284	674110	42.996	nq	97
69) Atrazine	10.91	200	586245	48.199	nq	99
70) Pentachlorophenol	11.00	266	773907	85.629	nq	98
71) Phenanthrene	11.22	178	2821803	40.980	nq	99
72) Anthracene	11.27	178	2911430	41.776	nq	99
73) Carbazole	11.42	167	2727651	44.534	nq	99
74) Di-n-butylphthalate	11.77	149	3358253	45.547	nq	100
75) Fluoranthene	12.40	202	3011990	42.244	nq	99
77) Benzidine	12.52	184	1148570	33.436	nq	98
78) Pyrene	12.63	202	3048758	43.204	nq	99
80) Butylbenzylphthalate	13.26	149	1628284	45.913	nq	98
81) Benzo(a)anthracene	13.81	228	2739347	42.732	nq	100
82) 3,3'-Dichlorobenzidine	13.77	252	453705	18.327	nq	98
83) Chrysene	13.84	228	2605139	42.535	nq	99
84) Bis(2-ethylhexyl)phthalate	13.83	149	2082555	47.499	nq	# 99
85) Di-n-octyl phthalate	14.43	149	3533943	46.391	nq	99
86) Indeno(1,2,3-cd)pyrene	16.53	276	2579518	42.051	nq	100
88) Benzo(b)fluoranthene	14.82	252	2812865	48.486	nq	99
89) Benzo(k)fluoranthene	14.84	252	2118850	42.021	nq	99
90) Benzo(a)pyrene	15.15	252	2332577	45.769	nq	97
91) Dibenzo(a,h)anthracene	16.55	278	2134664	47.400	nq	99
92) Benzo(g,h,i)perylene	16.93	276	2159564	49.407	nq	99

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

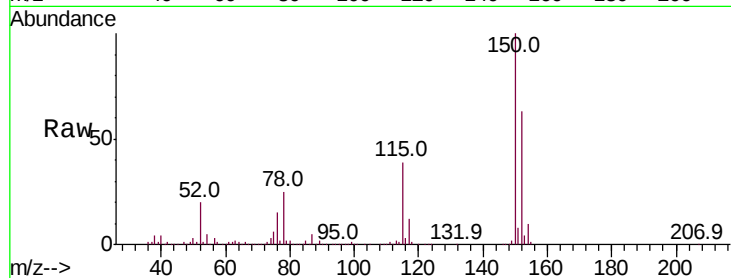


#1

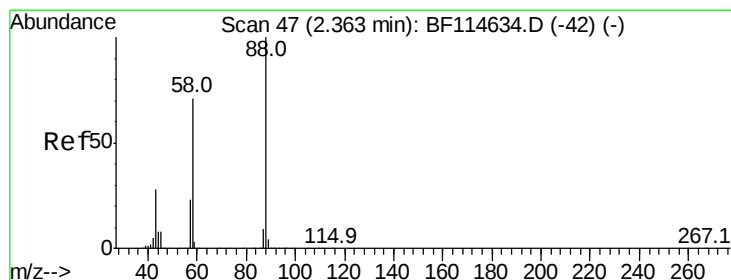
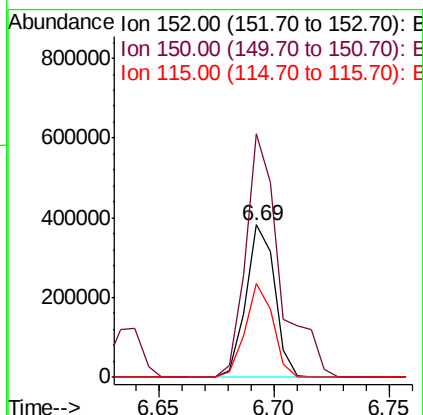
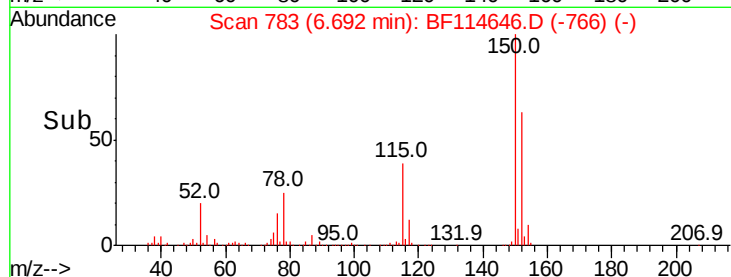
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion:152 Resp: 334038
Ion Ratio Lower Upper
152 100
150 159.7 124.4 186.6
115 61.8 48.7 73.1



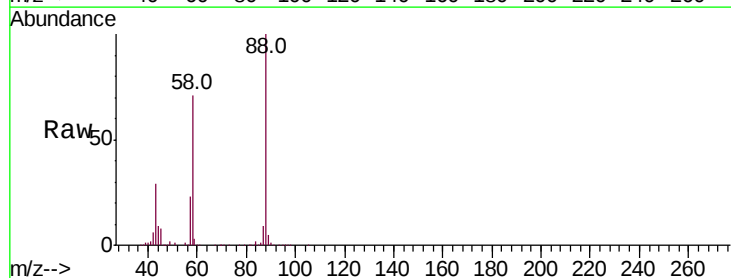
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



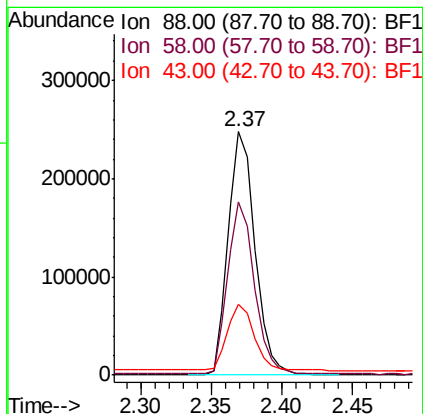
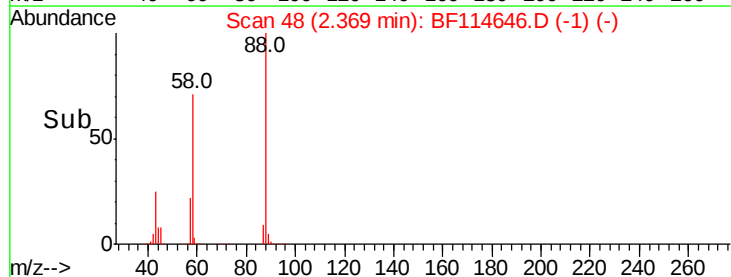
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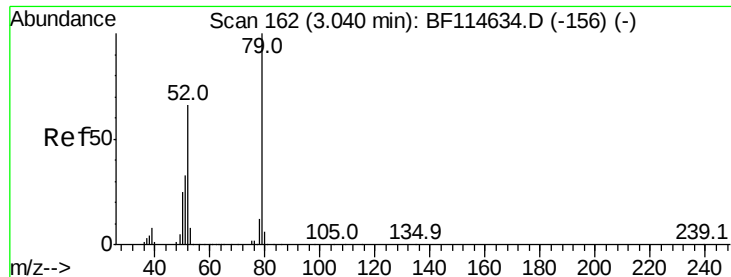
1,4-Dioxane
Concen: 35.795 ng
RT: 2.37 min Scan# 48
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion: 88 Resp: 326815
Ion Ratio Lower Upper
88 100
58 71.1 57.2 85.8
43 28.1 22.6 33.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 34.403 ng

RT: 3.06 min Scan# 166

Delta R.T. 0.02 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

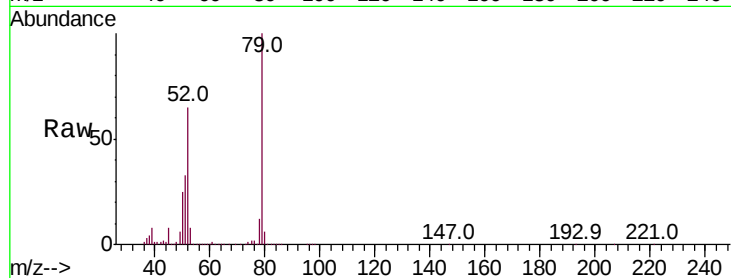
Tot Ion: 79 Resp: 914137

Ion Ratio Lower Upper

79 100

52 65.2 52.8 79.2

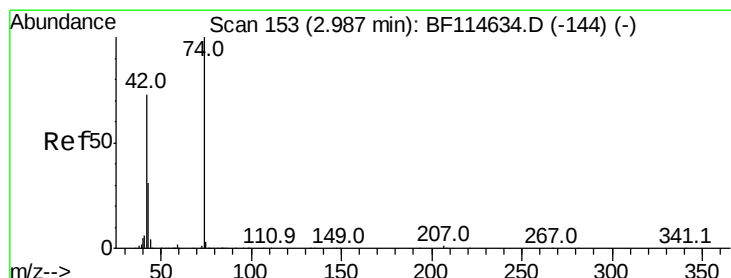
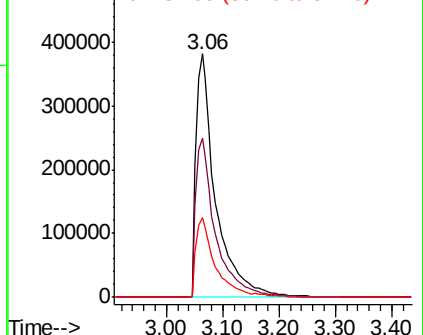
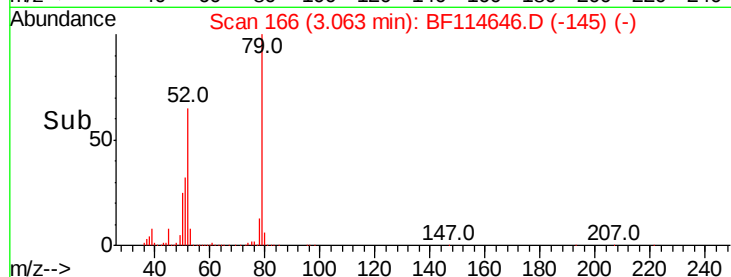
51 32.6 26.3 39.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.558 ng

RT: 2.99 min Scan# 154

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

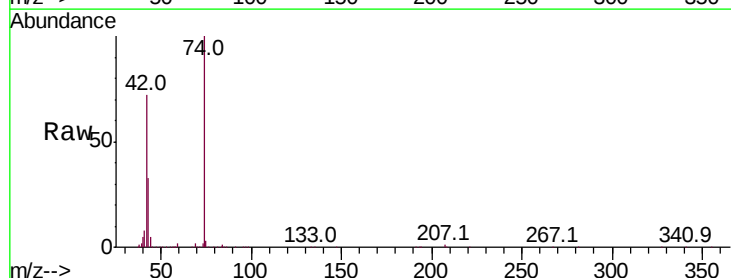
Tgt Ion: 42 Resp: 446870

Ion Ratio Lower Upper

42 100

74 138.3 110.0 165.0

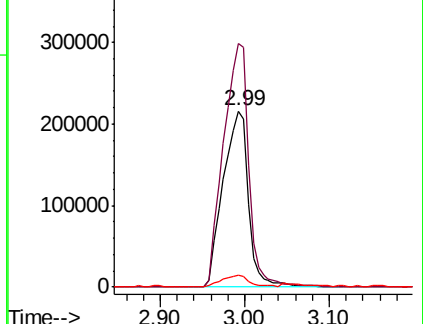
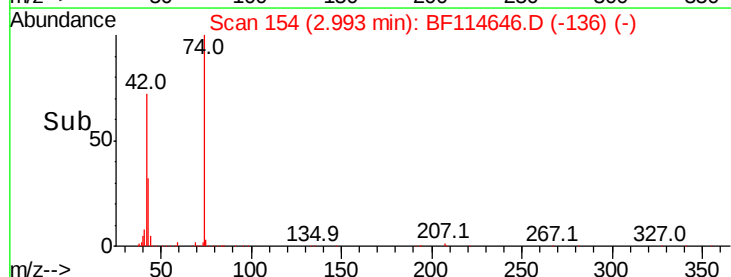
44 6.9 5.6 8.4

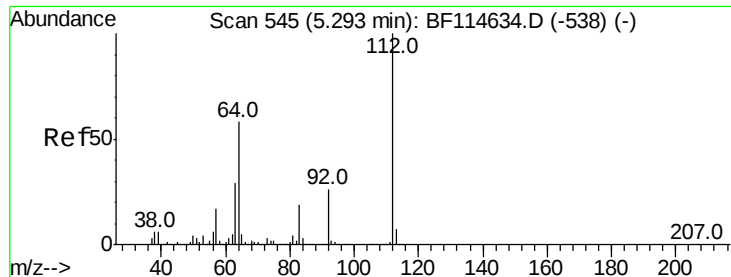


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 124.504 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

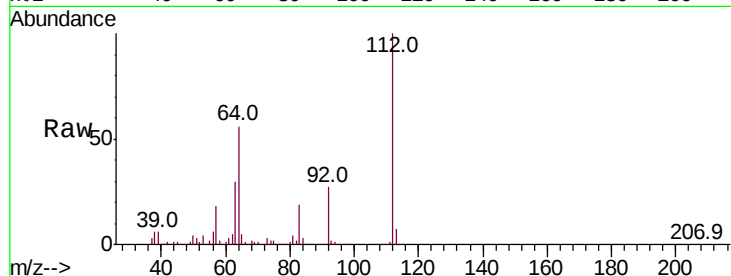
BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:112 Resp: 2368787

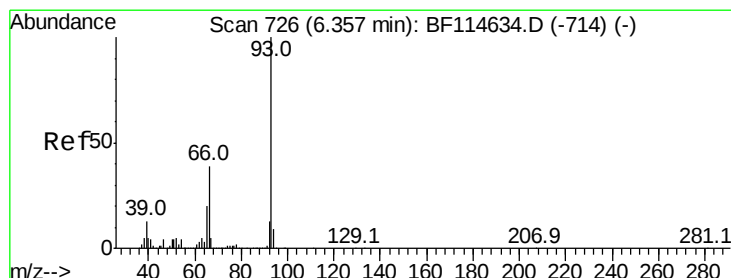
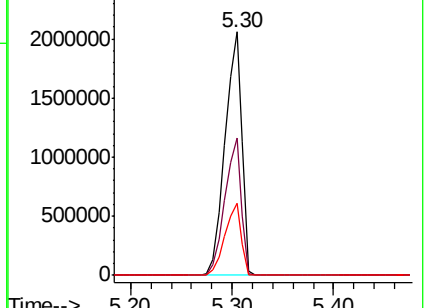
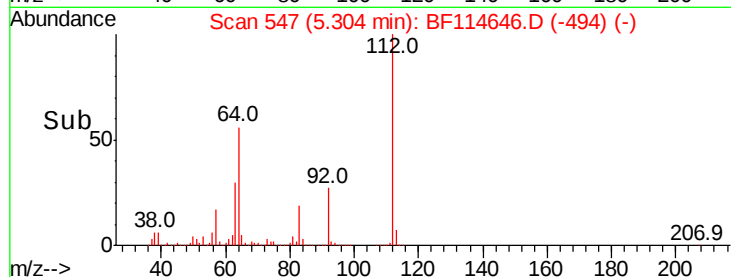
Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.1	69.1
63	29.8	23.4	35.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.475 ng

RT: 6.36 min Scan# 726

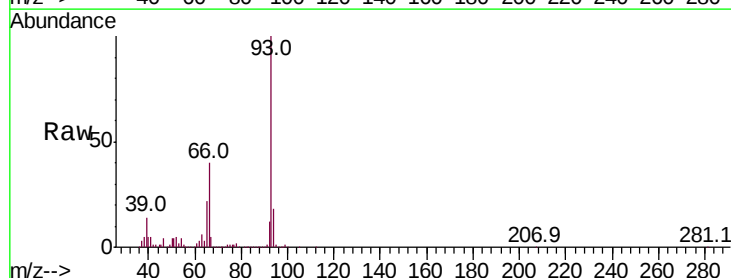
Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion: 93 Resp: 674441

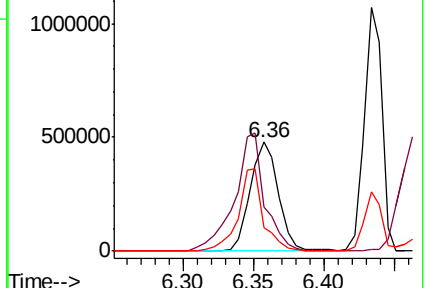
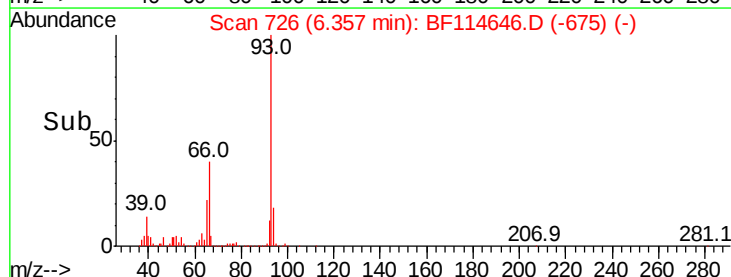
Ion	Ratio	Lower	Upper
93	100		
66	40.3	31.4	47.2
65	21.6	16.2	24.2

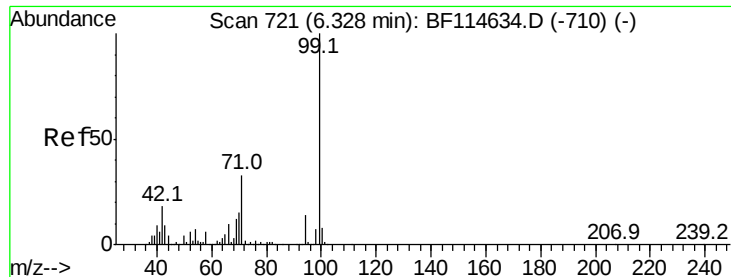


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 132.039 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

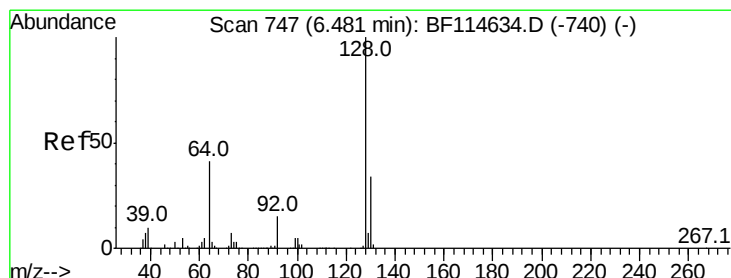
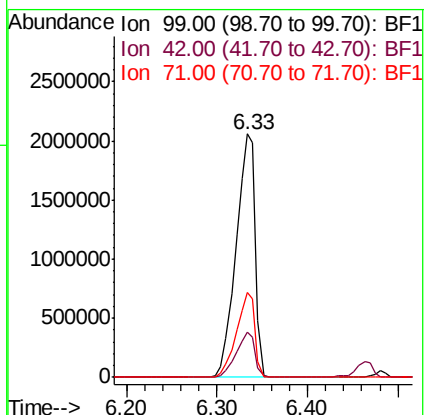
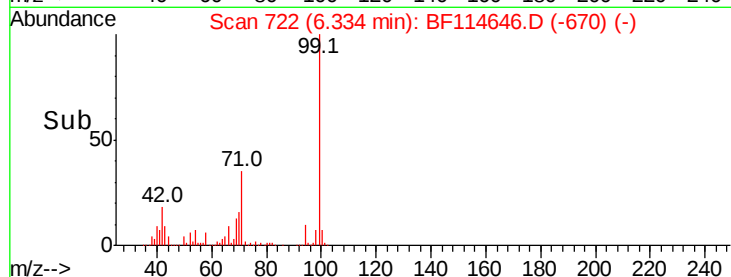
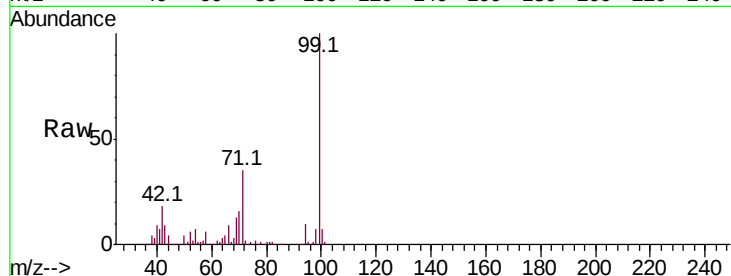
BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion: 99 Resp: 3027231

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.7	22.1
71	34.7	26.6	40.0



#8

2-Chlorophenol

Concen: 44.915 ng

RT: 6.48 min Scan# 747

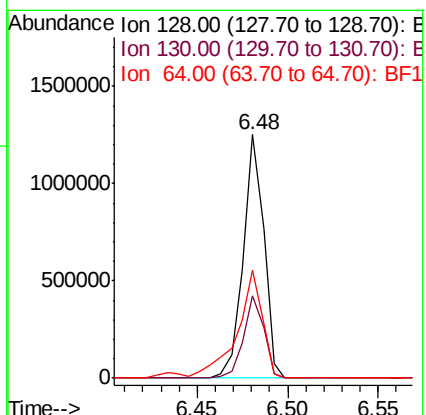
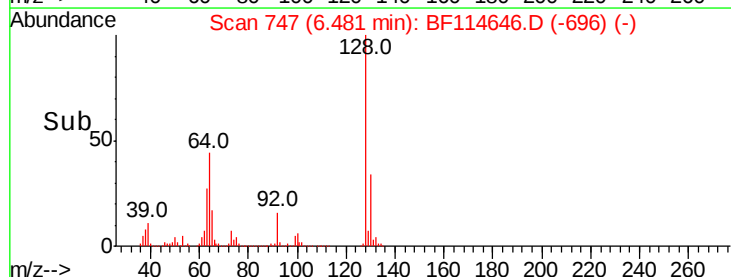
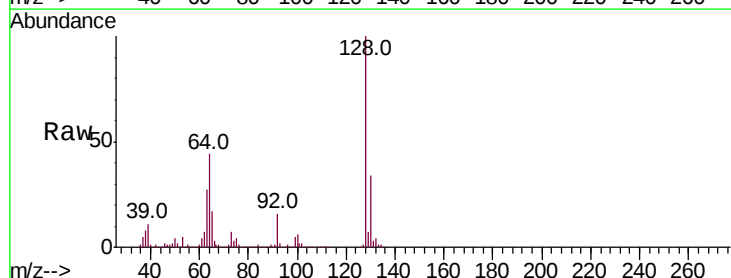
Delta R.T. -0.00 min

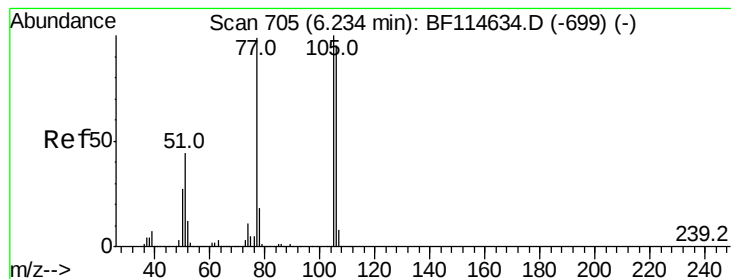
Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion: 128 Resp: 986882

Ion	Ratio	Lower	Upper
128	100		
130	33.6	13.9	53.9
64	44.1	22.0	62.0





#9

Benzaldehyde

Concen: 31.166 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

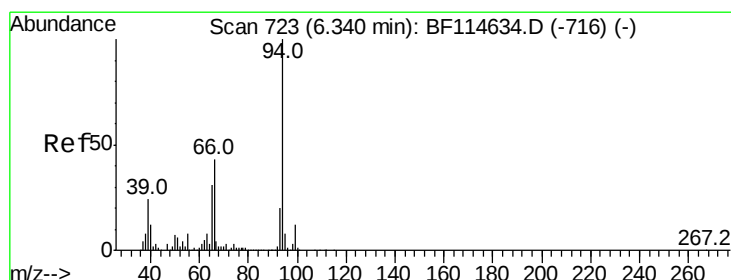
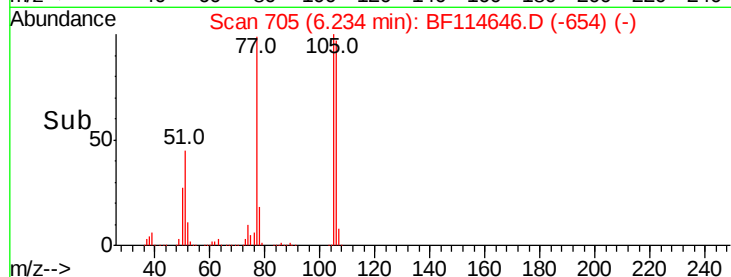
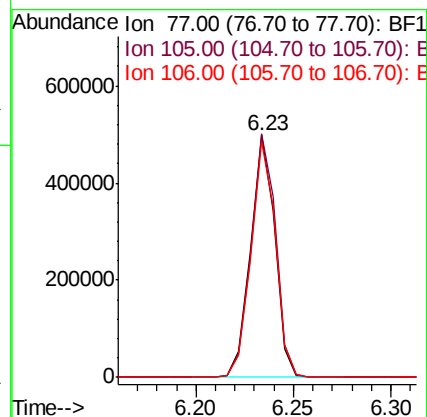
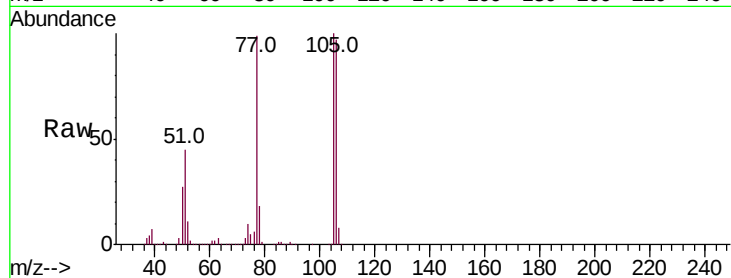
Tot Ion: 77 Resp: 429915

Ion Ratio Lower Upper

77 100

105 100.6 80.8 120.8

106 97.3 76.2 116.2



#10

Phenol

Concen: 42.405 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

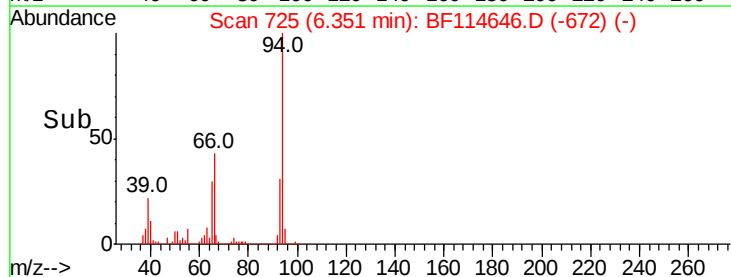
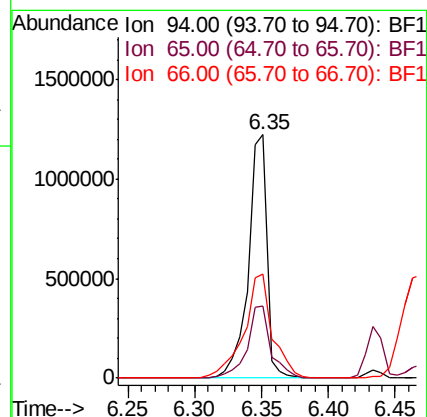
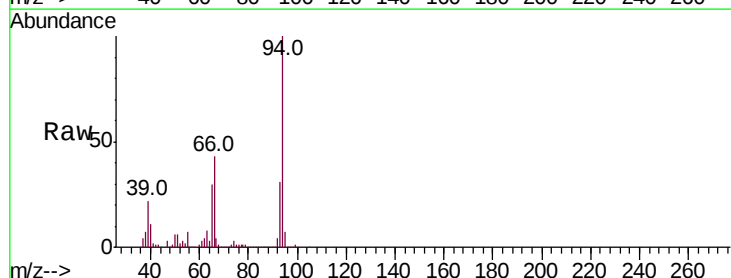
Tgt Ion: 94 Resp: 1174450

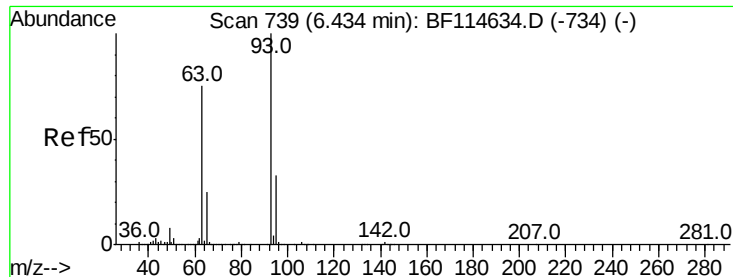
Ion Ratio Lower Upper

94 100

65 29.8 11.0 51.0

66 42.7 23.0 63.0

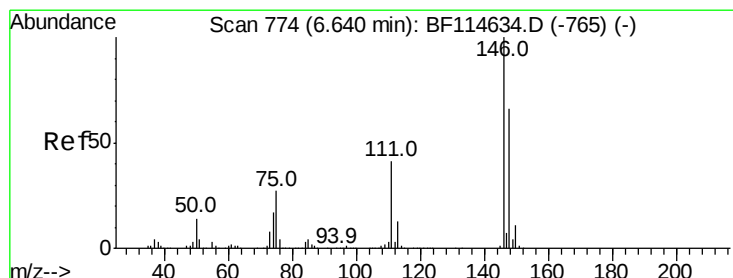
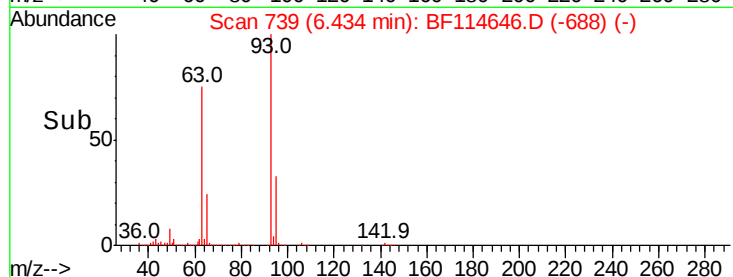
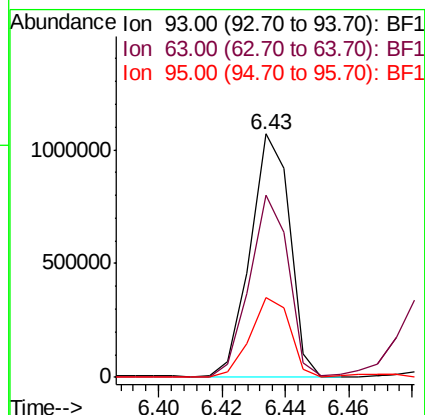
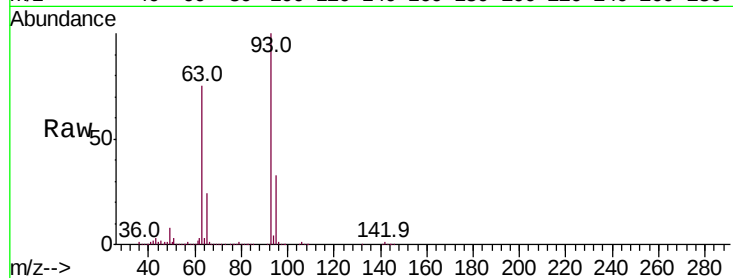




#11
bis(2-Chloroethyl)ether
Concen: 43.407 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

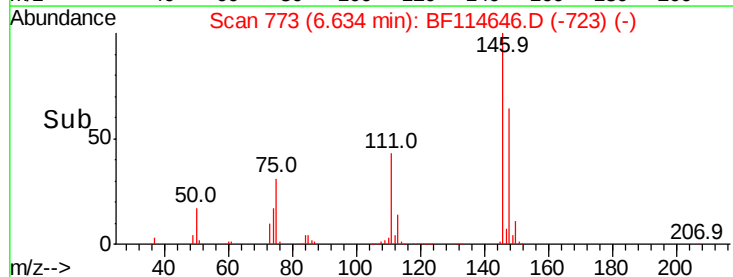
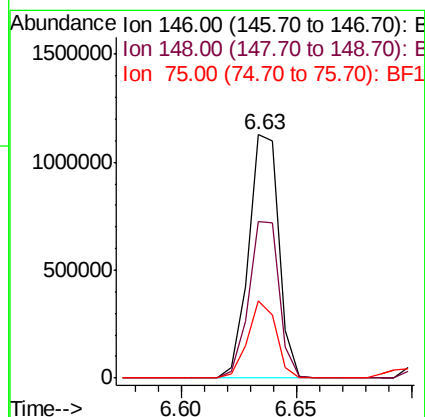
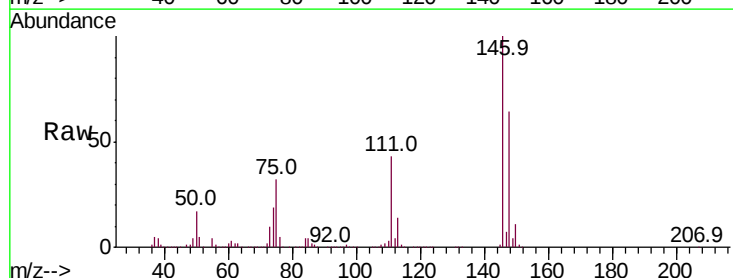
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

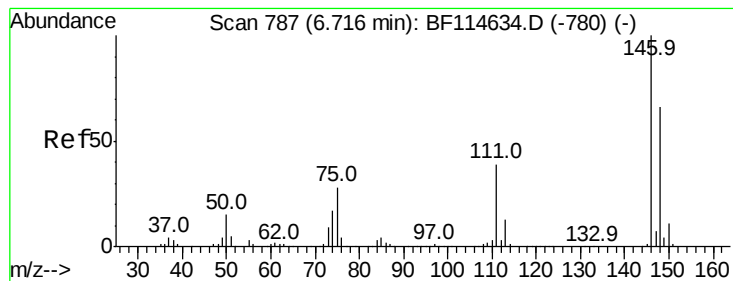
Tot Ion	Ratio	Lower	Upper
93	100		
63	74.6	55.0	95.0
95	32.9	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 41.271 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.9	79.3
75	31.7	22.0	33.0





#13

1,4-Dichlorobenzene

Concen: 41.418 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

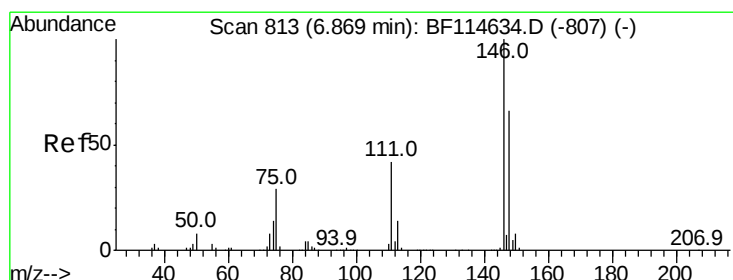
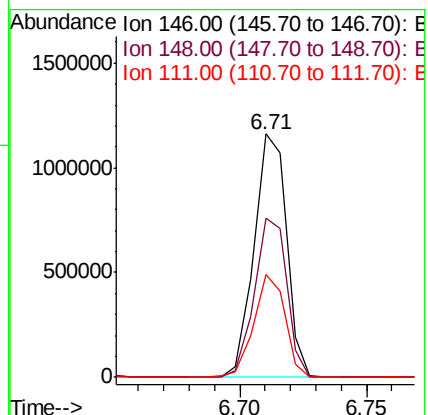
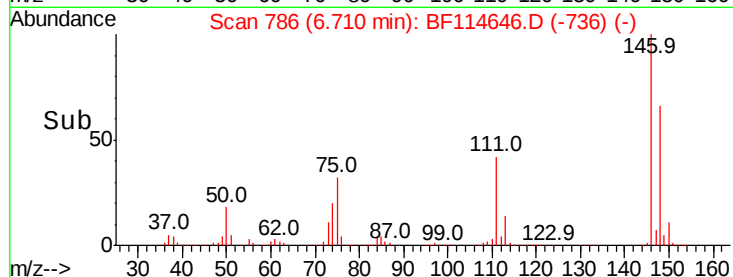
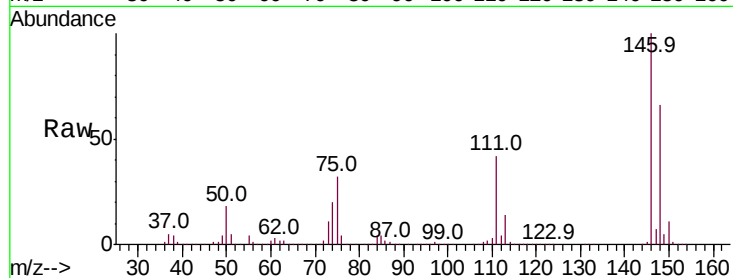
Tot Ion:146 Resp: 1040133

Ion Ratio Lower Upper

146 100

148 65.6 52.5 78.7

111 42.4 31.4 47.2



#14

1,2-Dichlorobenzene

Concen: 42.355 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

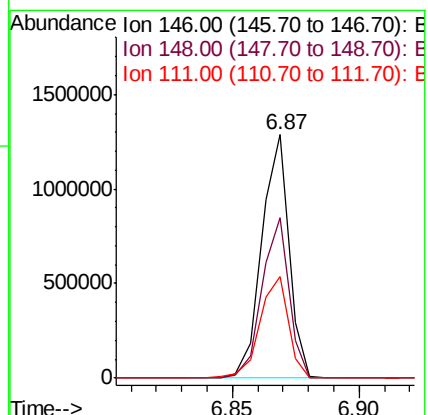
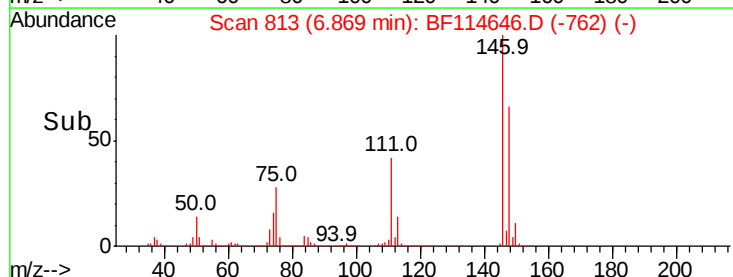
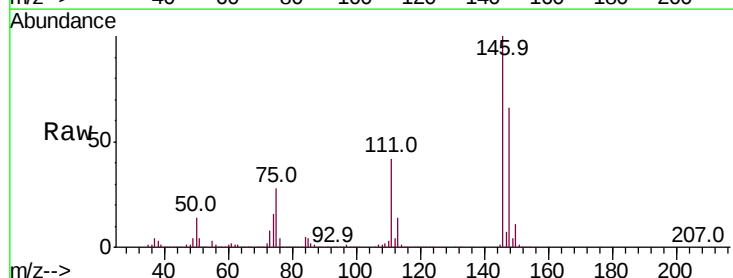
Tgt Ion:146 Resp: 968377

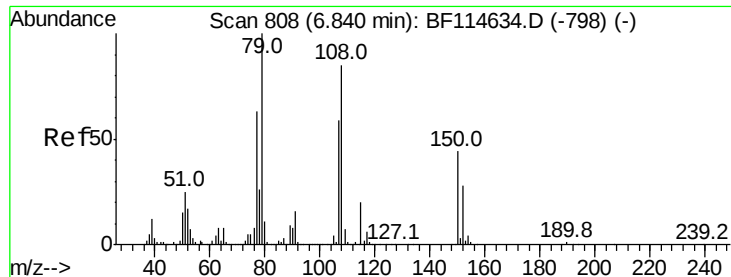
Ion Ratio Lower Upper

146 100

148 65.9 52.6 79.0

111 41.7 34.1 51.1

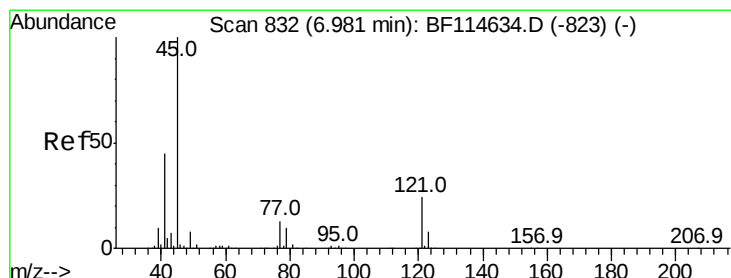
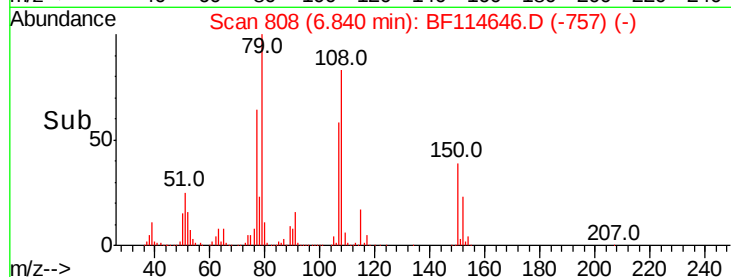
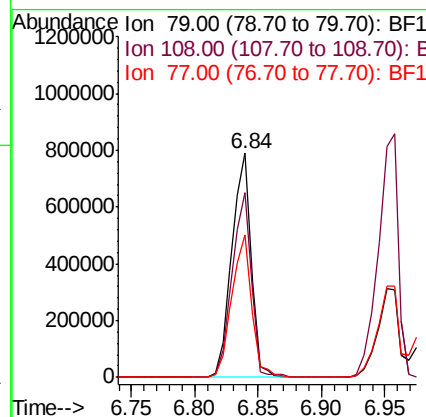
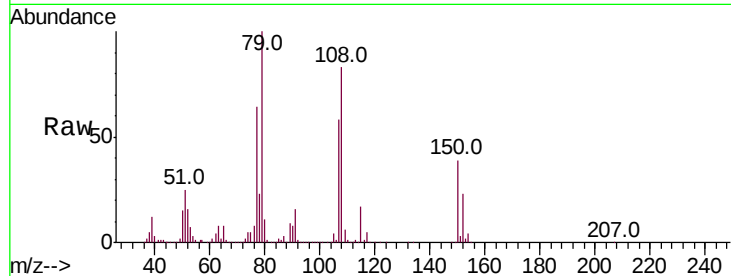




#15
Benzyl Alcohol
Concen: 46.105 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

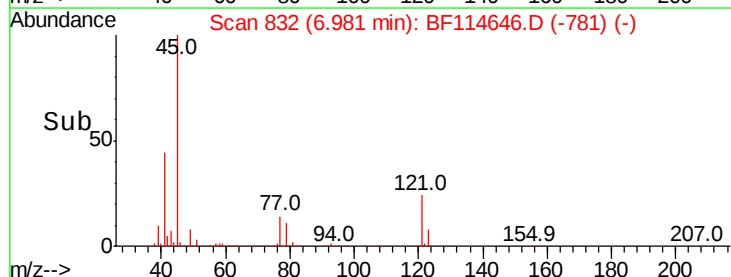
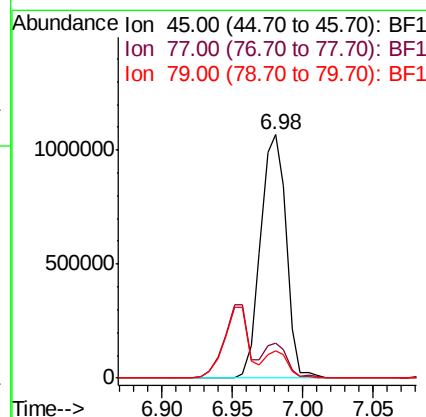
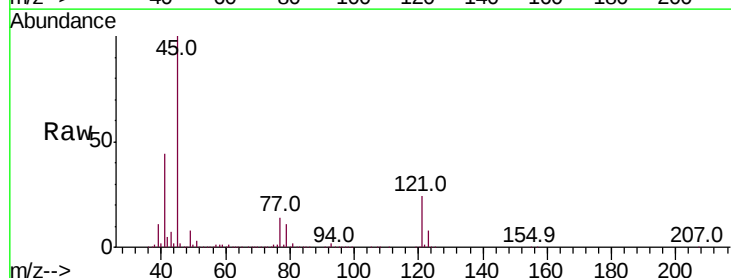
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

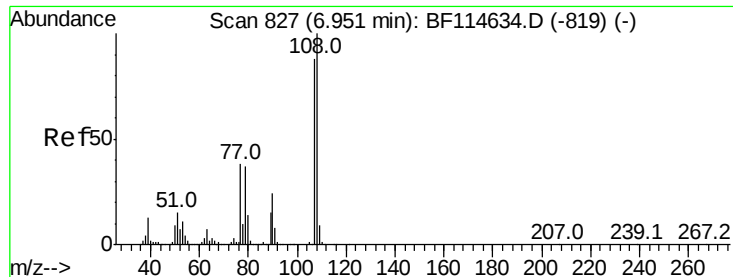
Tot Ion: 79 Resp: 831459
Ion Ratio Lower Upper
79 100
108 82.7 67.8 101.8
77 63.8 50.7 76.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.189 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion: 45 Resp: 1370826
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.7
79 11.3 0.0 31.3





#17

2-Methylphenol

Concen: 44.744 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:107 Resp: 831523

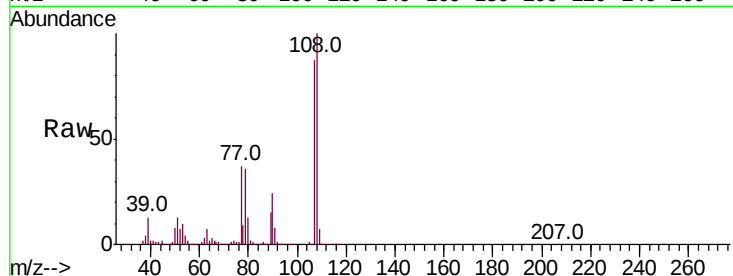
Ion Ratio Lower Upper

107 100

108 114.5 91.1 136.7

77 42.8 34.9 52.3

79 41.2 33.8 50.6



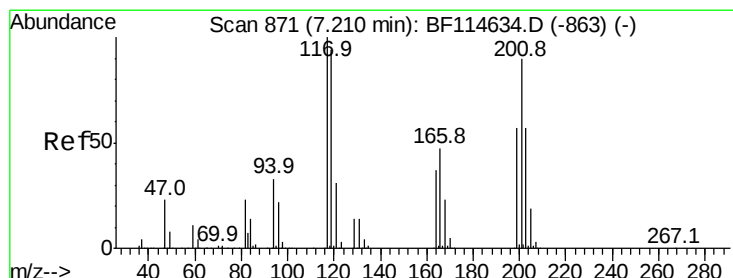
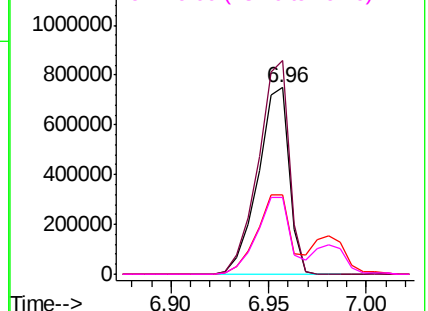
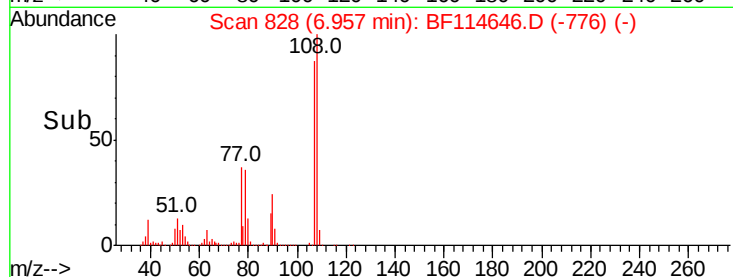
Abundance

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: 40.623 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

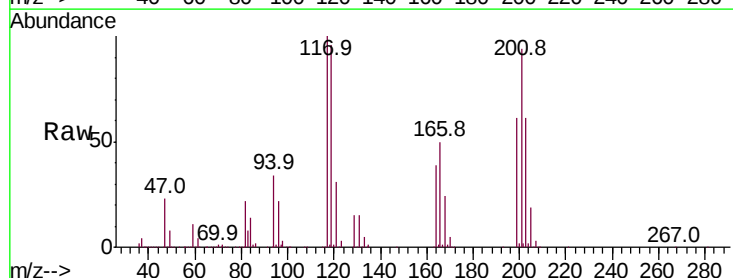
Tgt Ion:117 Resp: 386251

Ion Ratio Lower Upper

117 100

119 96.0 75.6 113.4

201 94.3 71.7 107.5

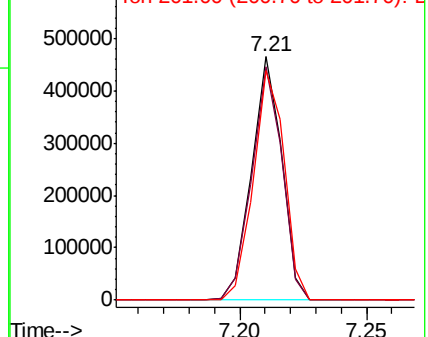
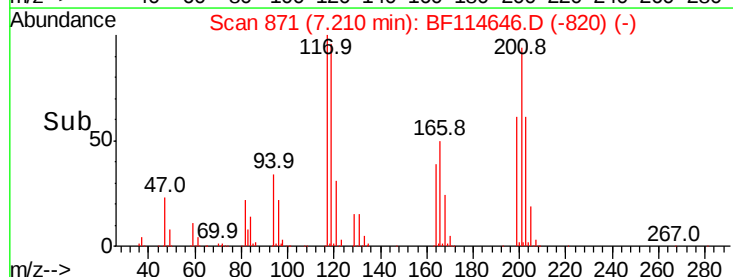


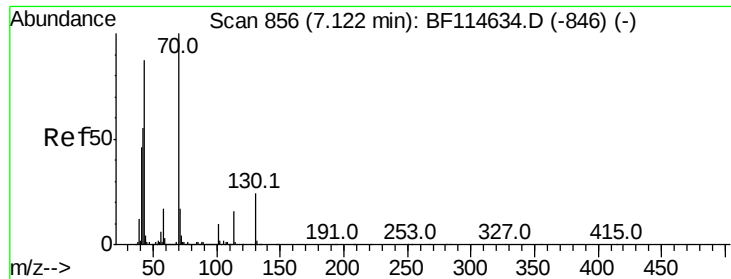
Abundance

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

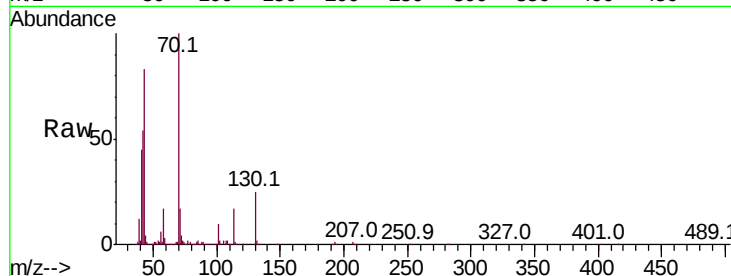




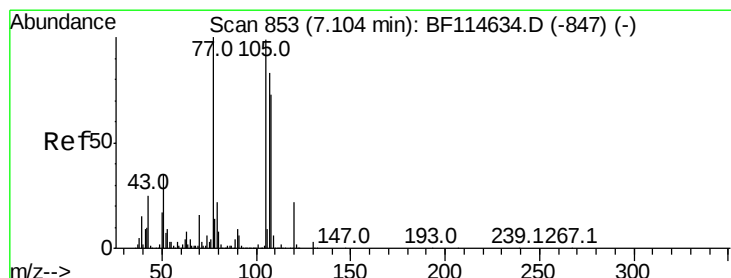
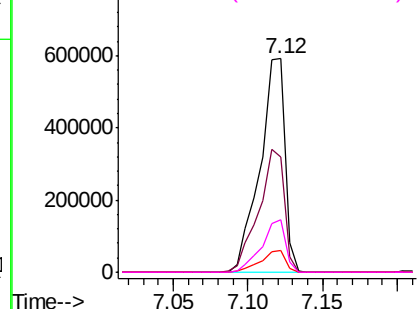
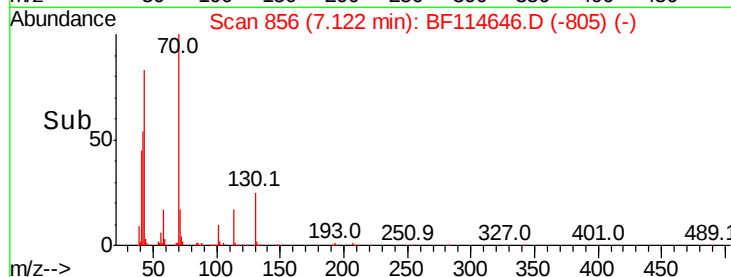
#19
 n-Nitroso-di-n-propylamine
 Concen: 43.287 ng
 RT: 7.12 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion:	70	Resp:	685030
Ion	Ratio	Lower	Upper
70	100		
42	54.2	44.4	66.6
101	10.3	8.2	12.4
130	24.7	19.4	29.0

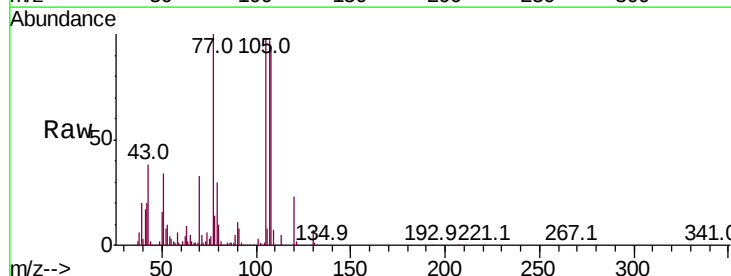


Abundance Ion 70.00 (69.70 to 70.70): BF1
 Ion 42.00 (41.70 to 42.70): BF1
 Ion 101.00 (100.70 to 101.70): E
 Ion 130.00 (129.70 to 130.70): E

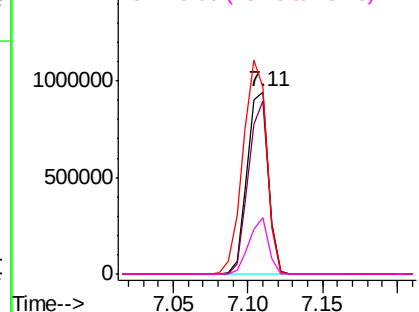
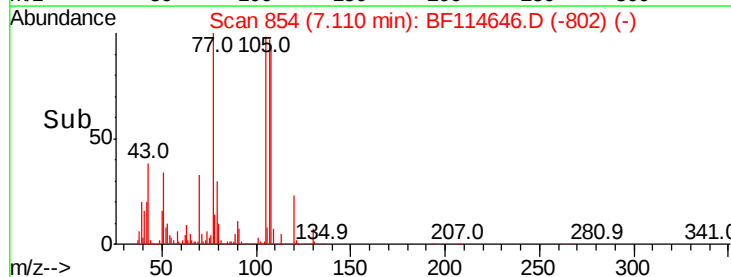


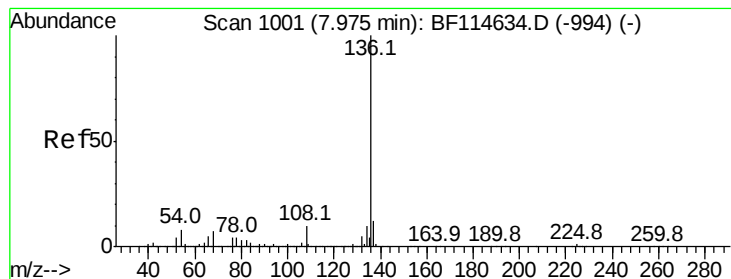
#20
 3+4-Methylphenols
 Concen: 42.455 ng
 RT: 7.11 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion:	107	Resp:	927943
Ion	Ratio	Lower	Upper
107	100		
108	95.2	68.6	108.6
77	103.0	100.5	140.5
79	31.1	7.0	47.0



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:136 Resp: 1314876

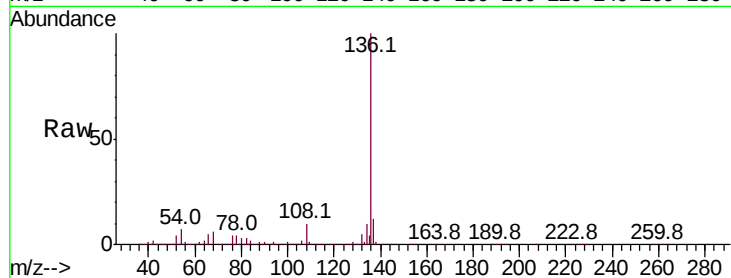
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 7.3 6.3 9.5

68 6.2 5.4 8.0

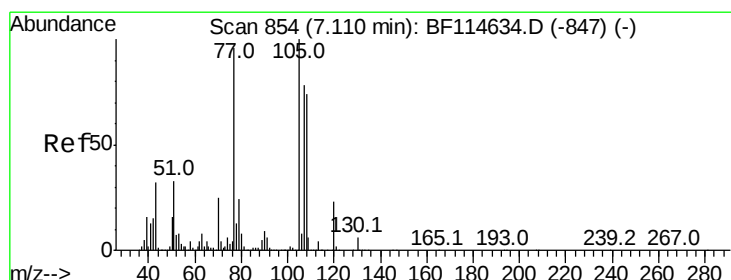
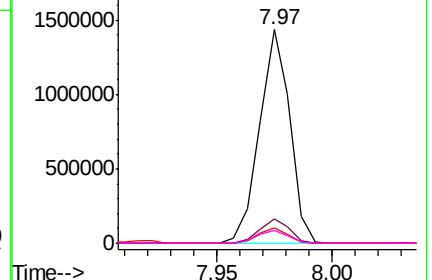
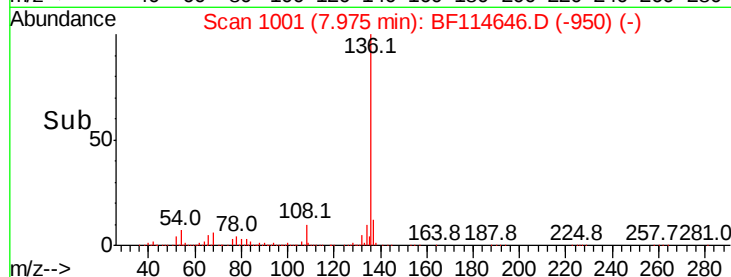


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.213 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:105 Resp: 1266693

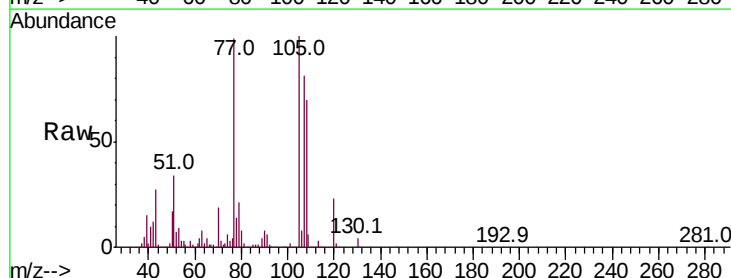
Ion Ratio Lower Upper

105 100

71 3.2 3.6 5.4#

51 34.5 26.0 39.0

120 23.3 18.8 28.2

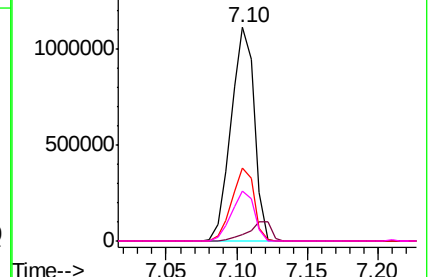
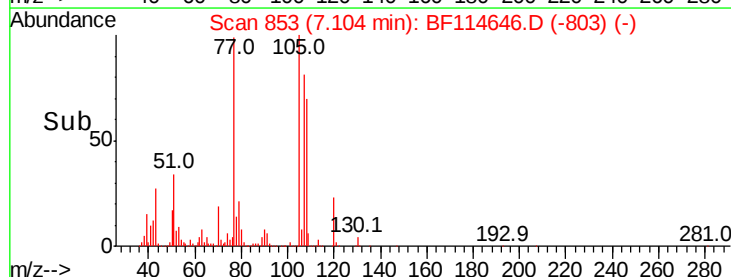


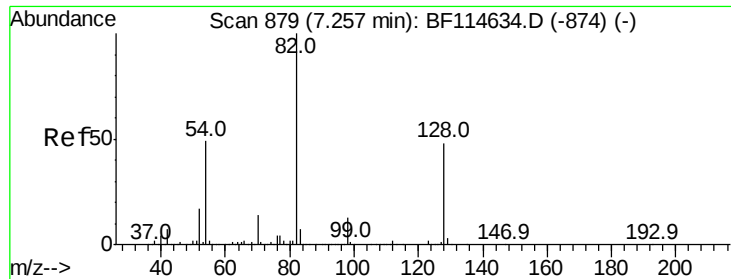
Abundance Ion 105.00 (104.70 to 105.70): E

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

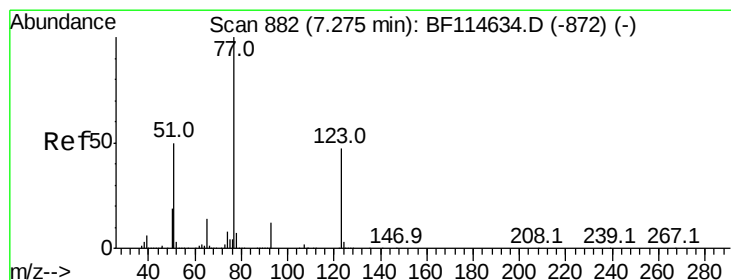
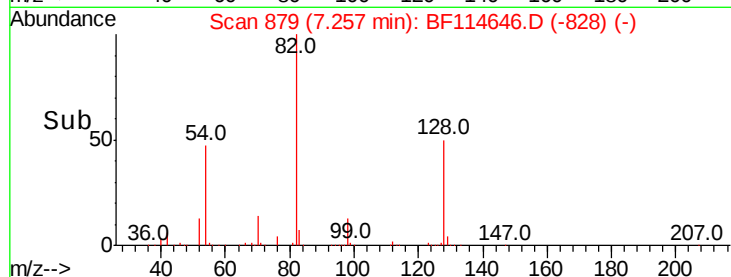
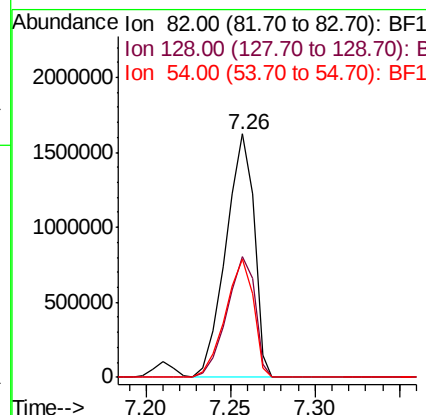
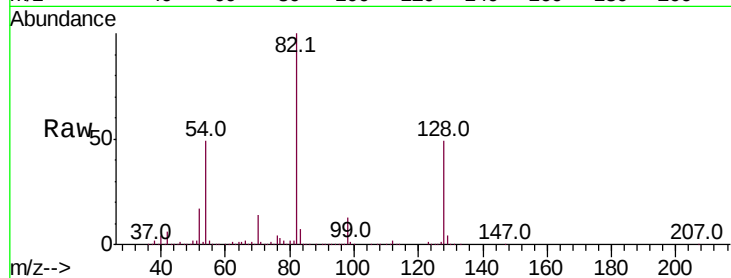




#23
 Nitrobenzene-d5
 Concen: 89.135 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

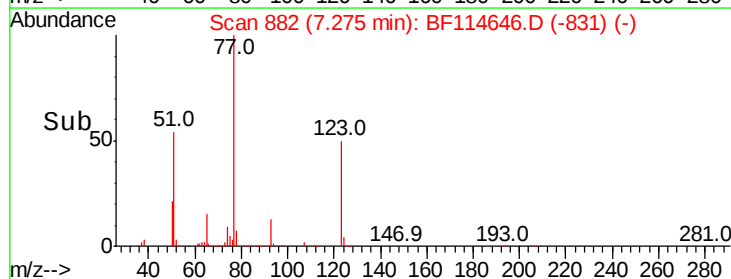
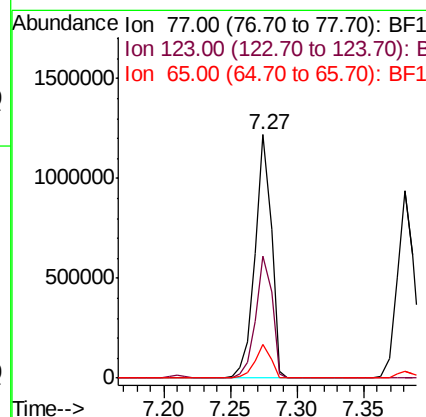
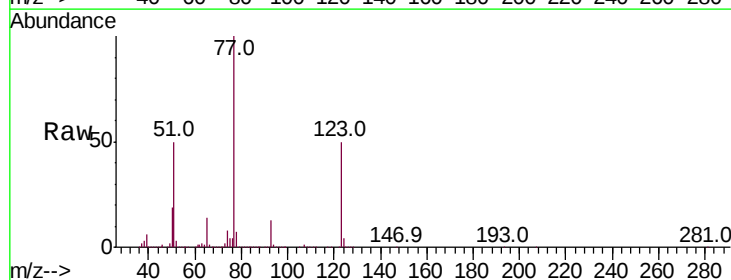
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

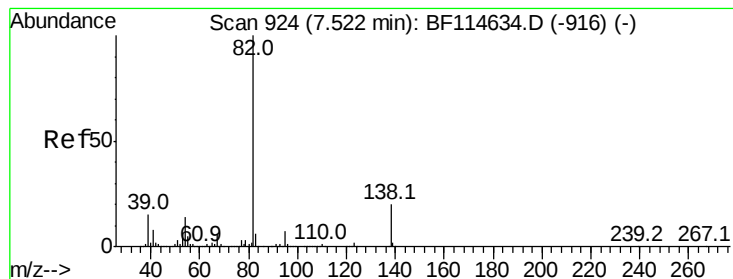
Tot Ion: 82 Resp: 1878558
 Ion Ratio Lower Upper
 82 100
 128 49.5 38.5 57.7
 54 48.6 39.1 58.7



#24
 Nitrobenzene
 Concen: 45.257 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion: 77 Resp: 1013188
 Ion Ratio Lower Upper
 77 100
 123 50.2 38.5 57.7
 65 13.8 11.2 16.8





#25

Isophorone

Concen: 45.296 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

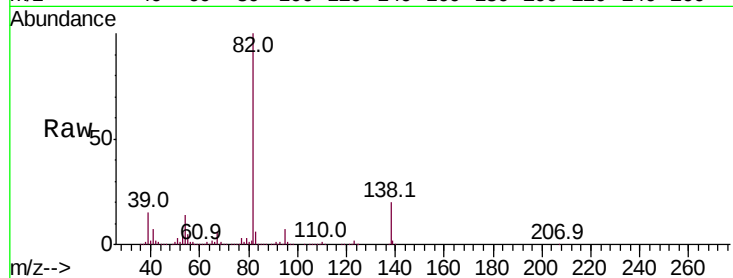
Tot Ion: 82 Resp: 1915811

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

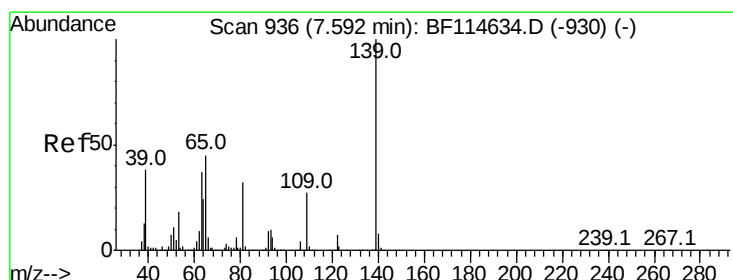
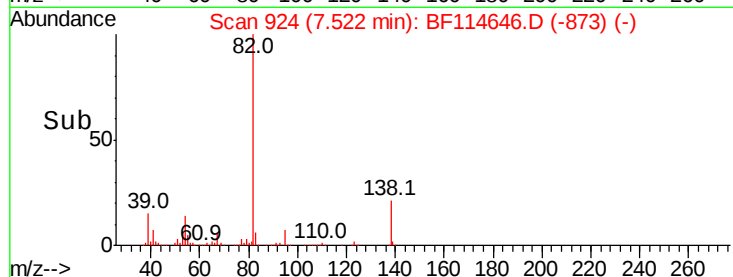
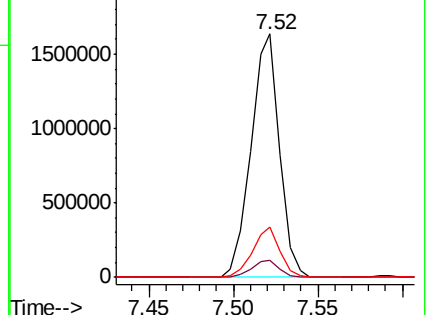
138 20.5 15.9 23.9



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: 48.304 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

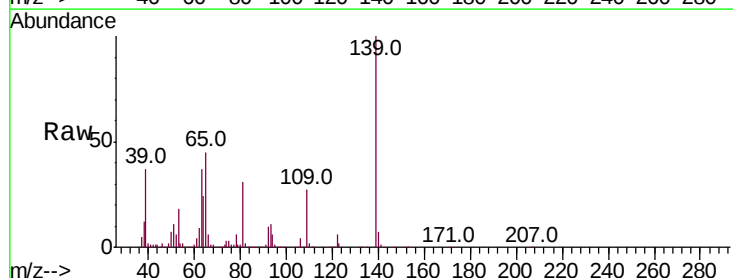
Tgt Ion: 139 Resp: 526397

Ion Ratio Lower Upper

139 100

109 27.0 21.7 32.5

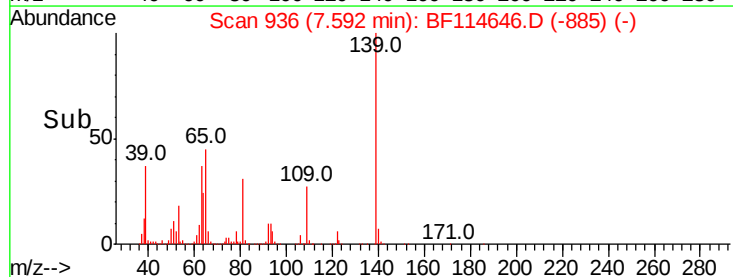
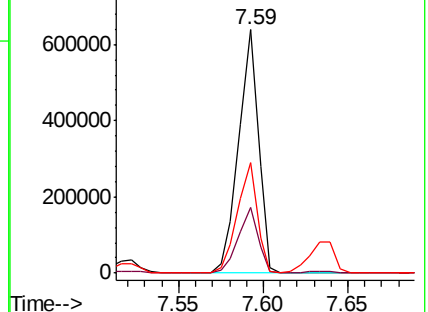
65 45.4 36.3 54.5

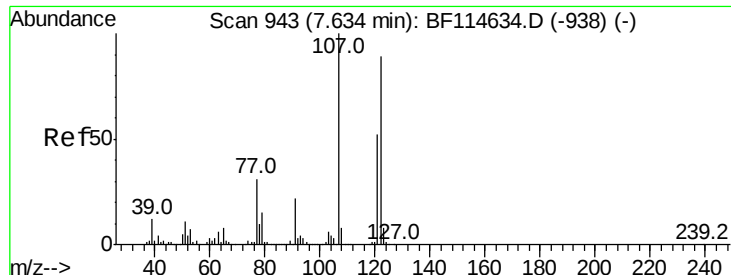


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

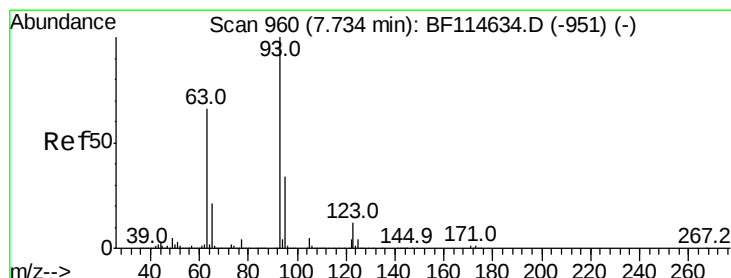
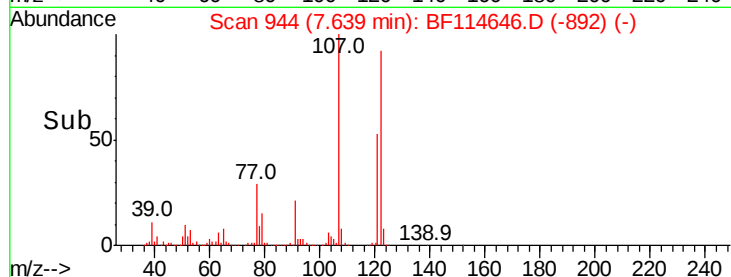
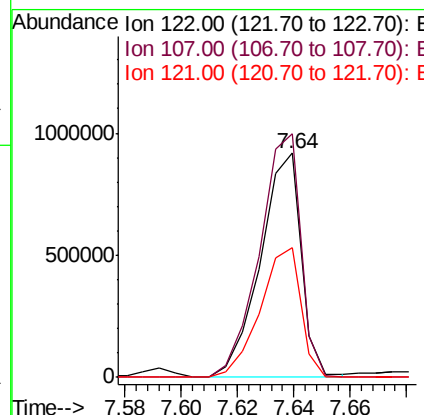
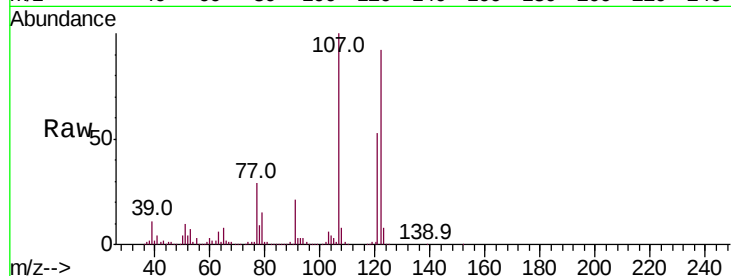




#27
 2,4-Dimethylphenol
 Concen: 50.803 ng
 RT: 7.64 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

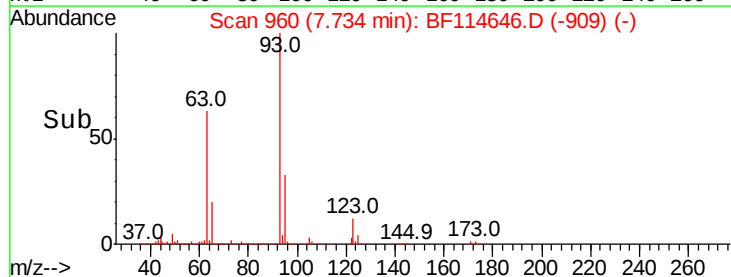
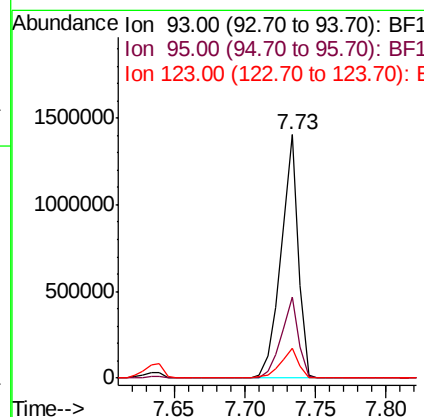
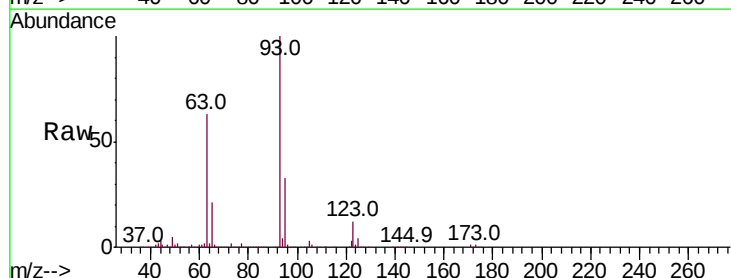
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

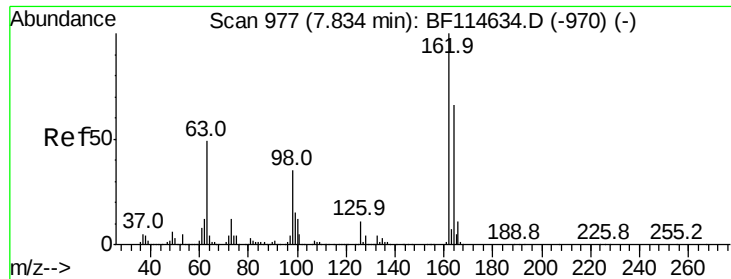
Tot Ion	Ratio	Lower	Upper
122	100		
107	108.6	89.3	133.9
121	58.0	46.8	70.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.290 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	27.0	40.4
123	12.1	10.2	15.2

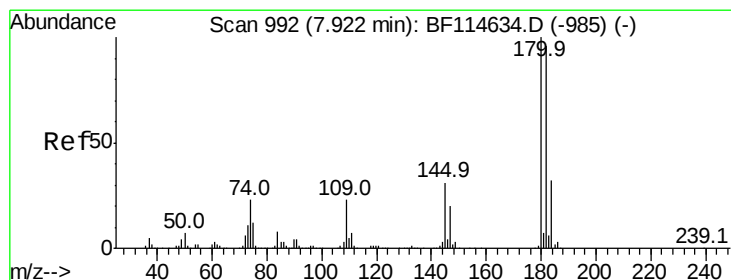
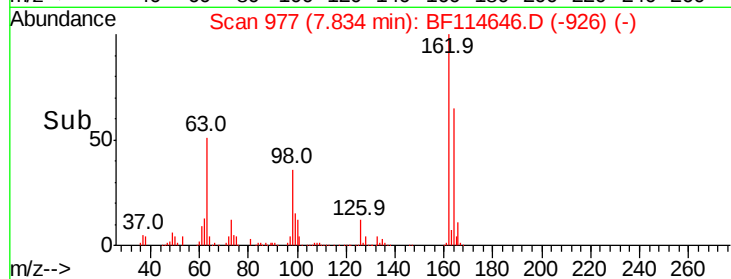
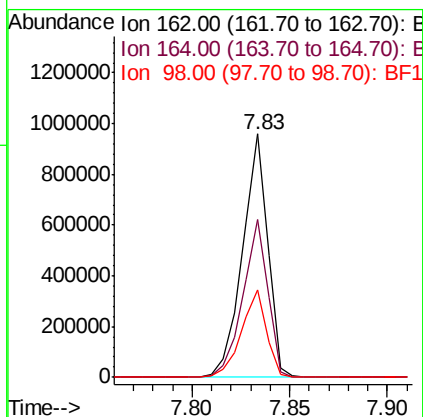
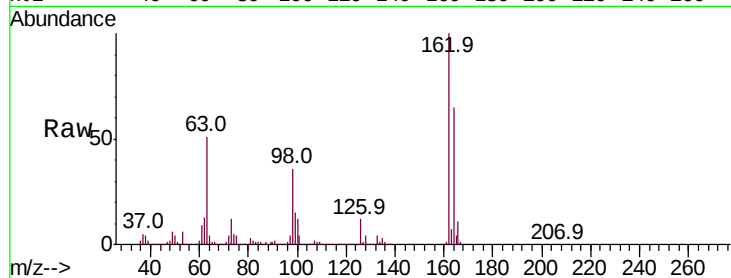




#29
 2,4-Dichlorophenol
 Concen: 46.709 ng
 RT: 7.83 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

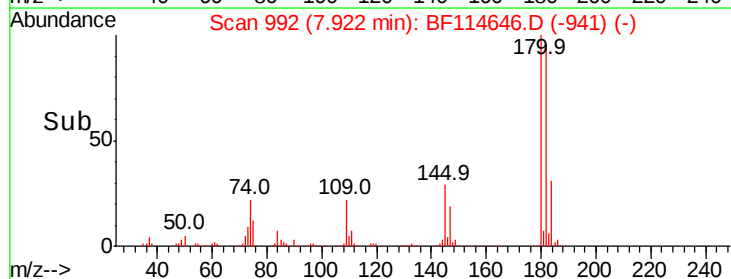
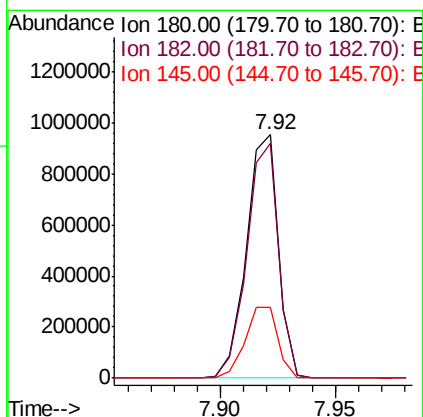
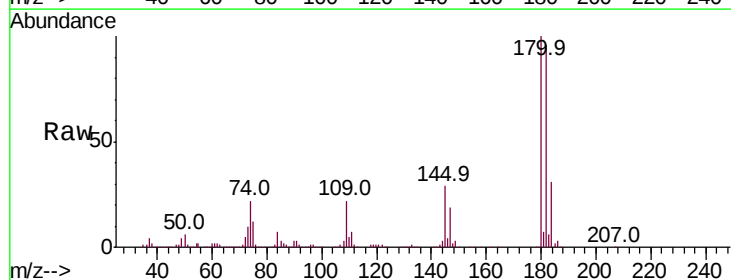
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

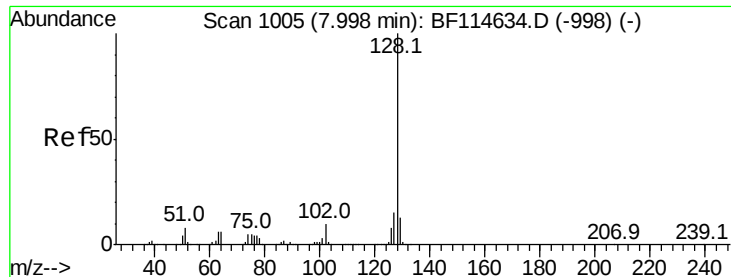
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.8	45.8	85.8
98	36.1	14.9	54.9



#30
 1,2,4-Trichlorobenzene
 Concen: 43.851 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.9	115.3
145	29.3	24.5	36.7

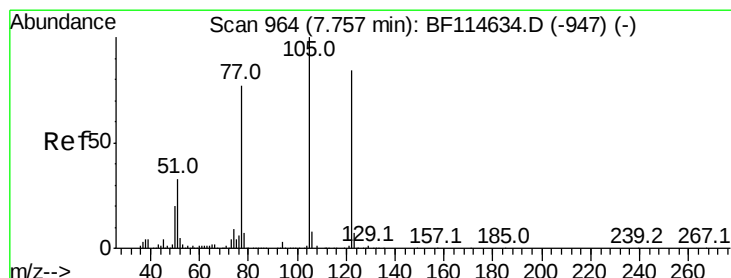
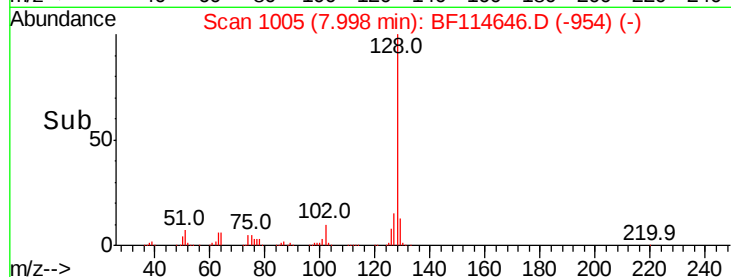
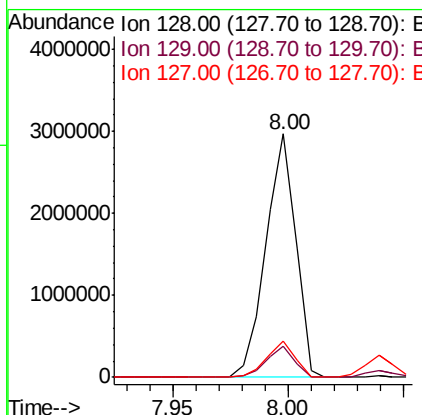
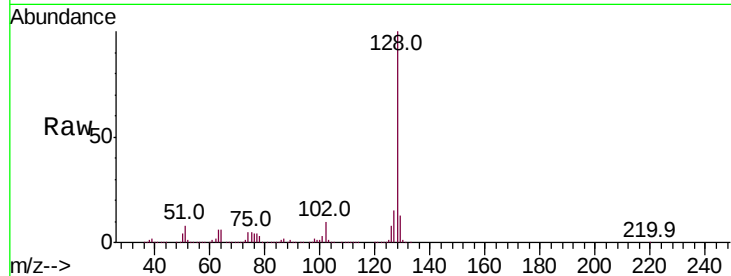




#31
Naphthalene
Concen: 44.073 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

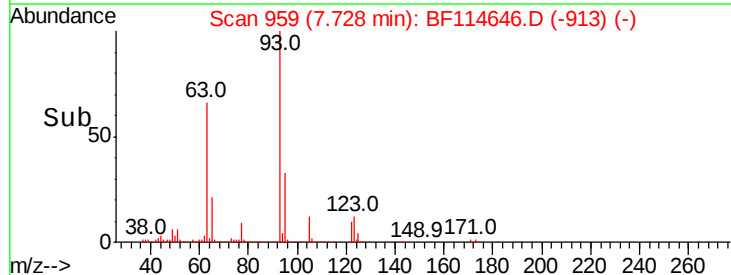
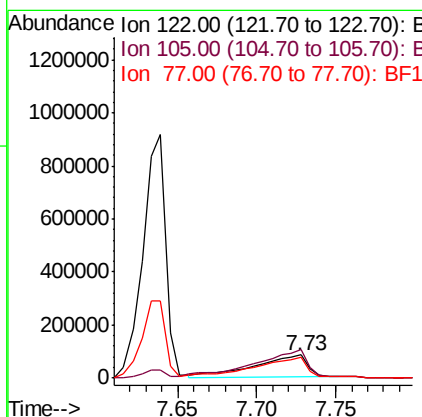
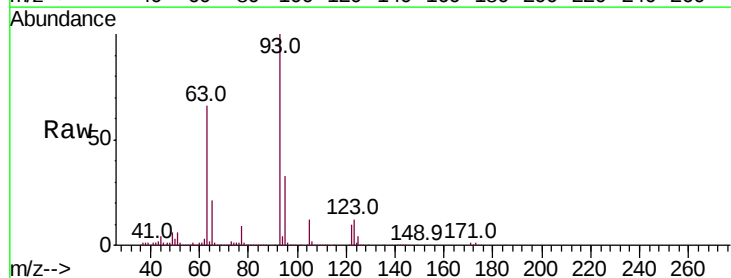
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

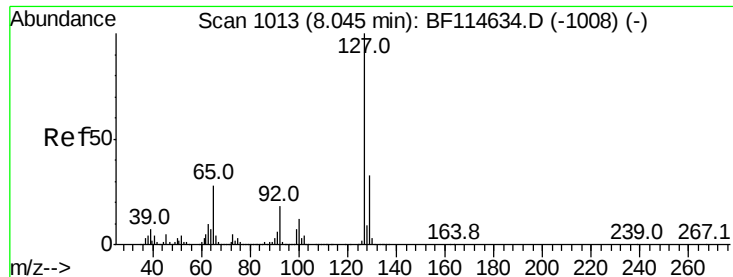
Tot Ion:128 Resp: 2669305
Ion Ratio Lower Upper
128 100
129 12.8 10.2 15.2
127 15.0 11.9 17.9



#32
Benzoic acid
Concen: 16.394 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:122 Resp: 192988
Ion Ratio Lower Upper
122 100
105 122.5 98.3 138.3
77 92.3 70.7 110.7

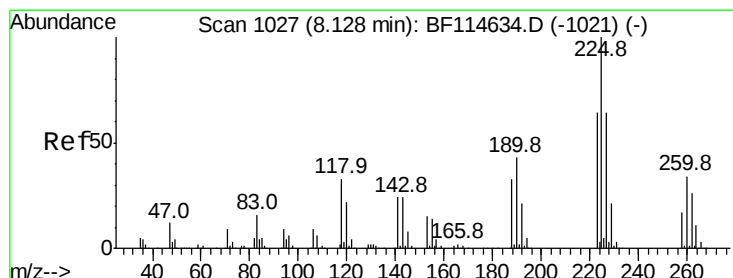
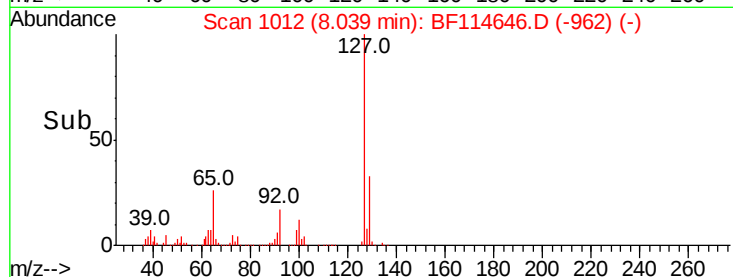
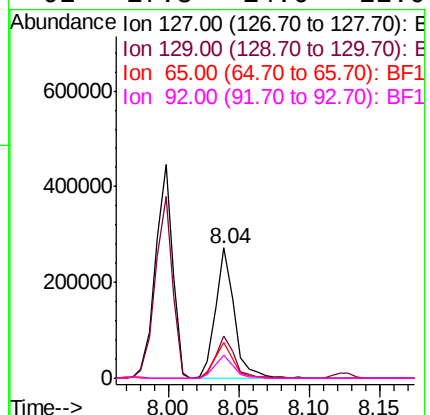
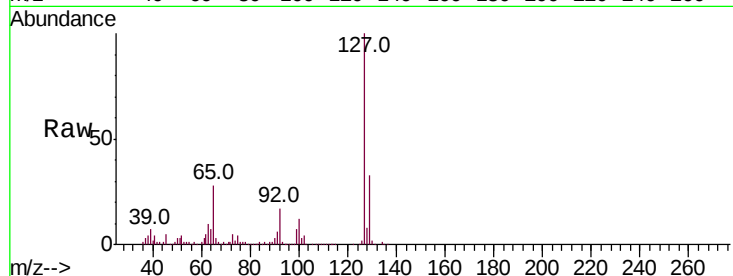




#33
4-Chloroaniline
Concen: 8.708 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

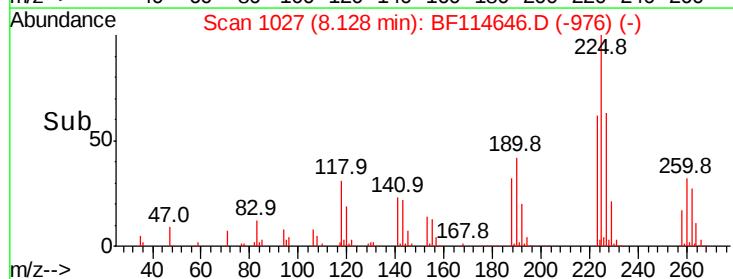
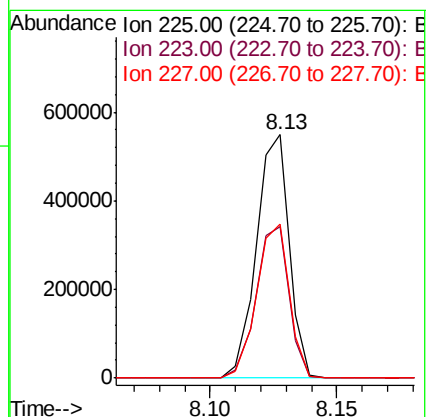
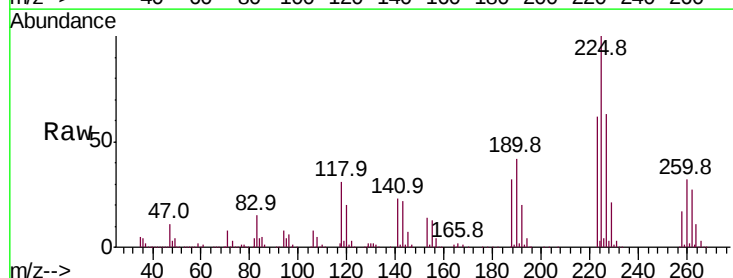
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

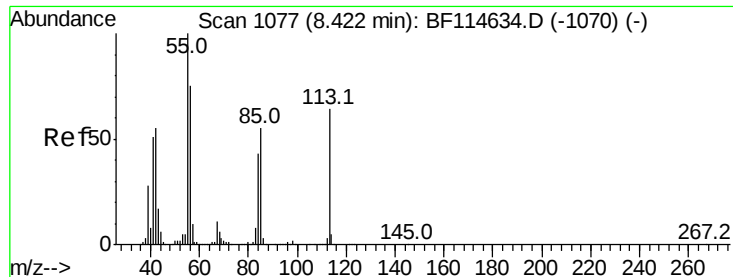
Tot Ion:	127	Resp:	251277
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.7	40.1
65	27.6	22.5	33.7
92	17.3	14.6	22.0



#34
Hexachlorobutadiene
Concen: 42.470 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:	225	Resp:	495867
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.9	76.3
227	63.2	51.3	76.9

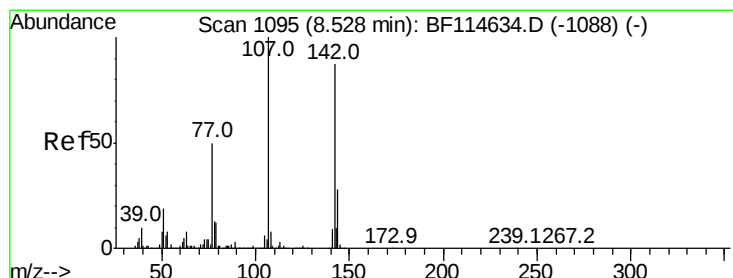
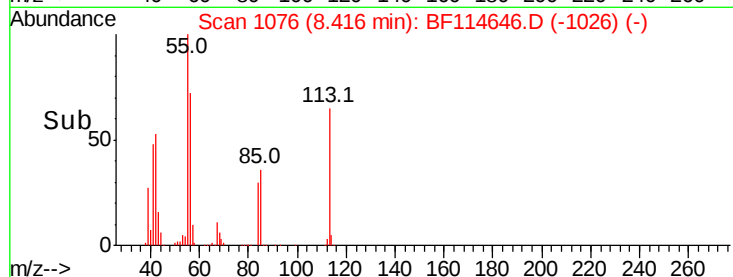
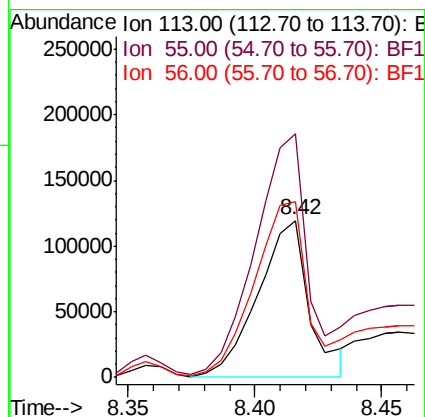
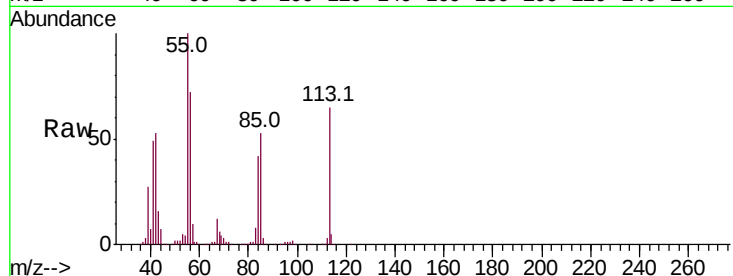




#35
Caprolactam
Concen: 26.795 ng
RT: 8.42 min Scan# 1076
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

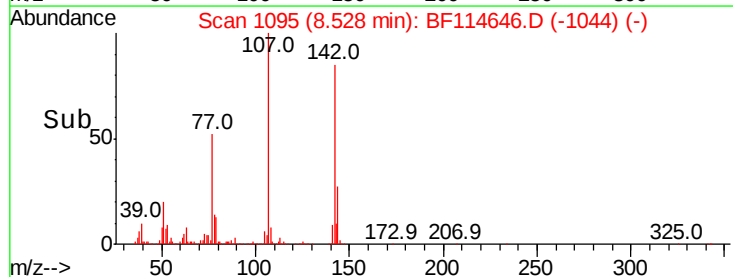
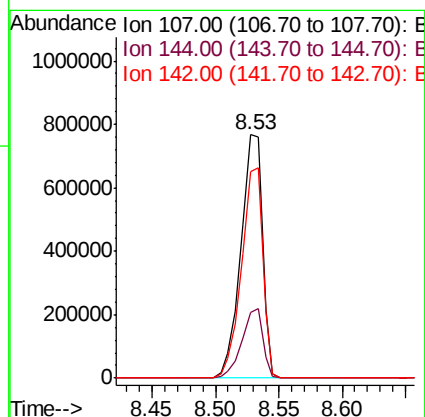
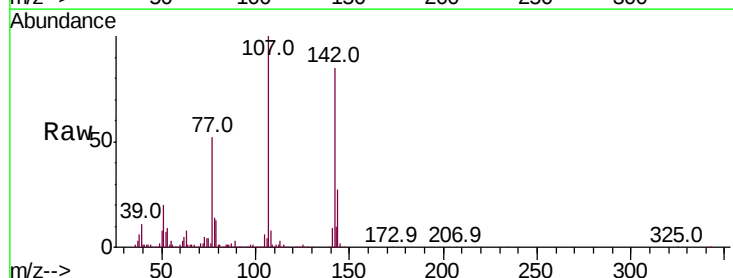
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

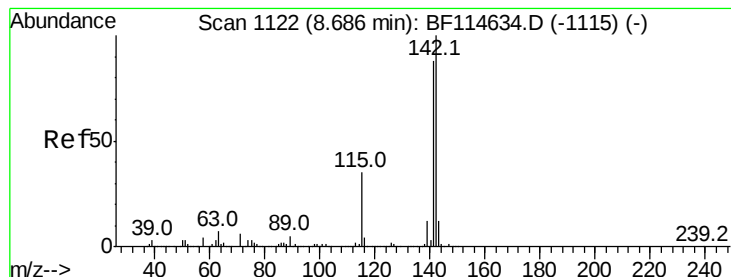
Tot Ion:113 Resp: 166811
Ion Ratio Lower Upper
113 100
55 154.9 136.4 176.4
56 112.0 97.0 137.0



#36
4-Chloro-3-methylphenol
Concen: 48.960 ng
RT: 8.53 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:107 Resp: 905767
Ion Ratio Lower Upper
107 100
144 27.1 22.5 33.7
142 84.7 69.8 104.6





#37

2-Methylnaphthalene

Concen: 47.291 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

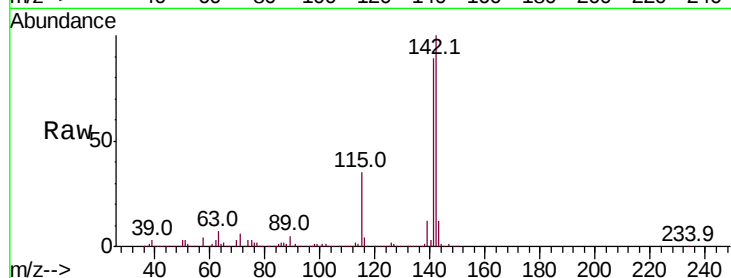
Tot Ion:142 Resp: 1903023

Ion Ratio Lower Upper

142 100

141 88.8 70.3 105.5

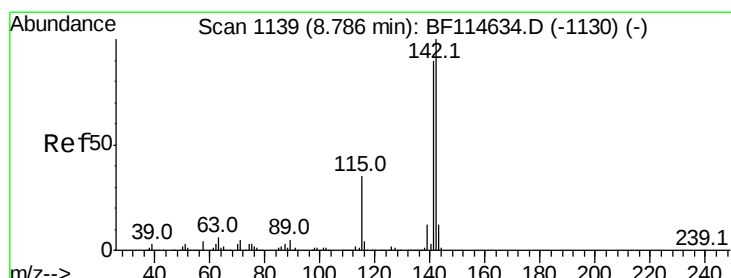
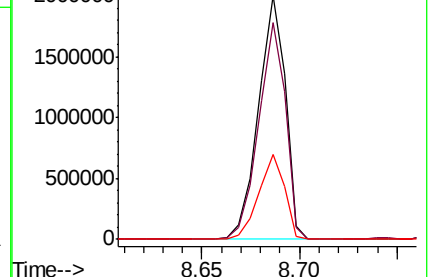
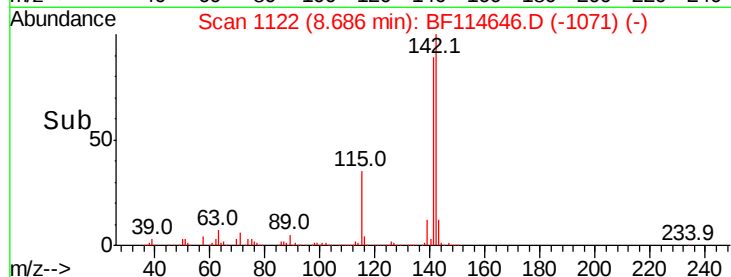
115 34.6 28.0 42.0



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: 47.269 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

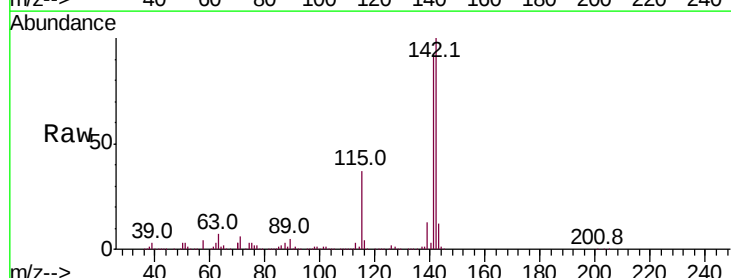
Tgt Ion:142 Resp: 1802224

Ion Ratio Lower Upper

142 100

141 91.5 72.3 108.5

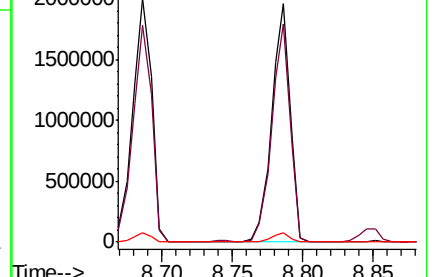
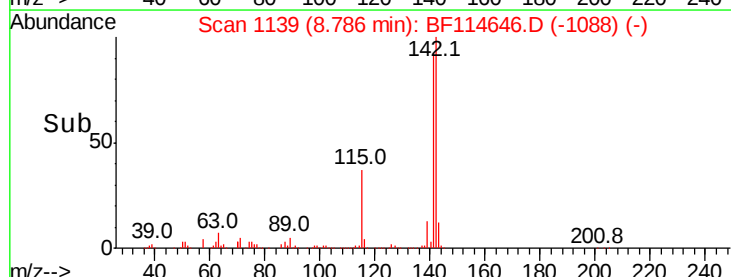
116 3.7 3.0 4.4

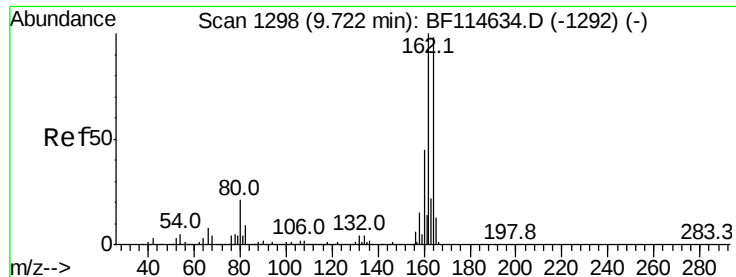


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

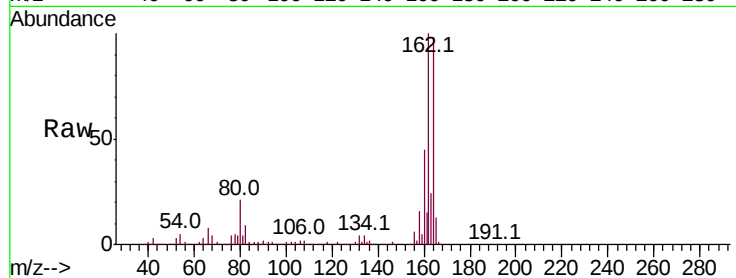
Tot Ion:164 Resp: 664937

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.2

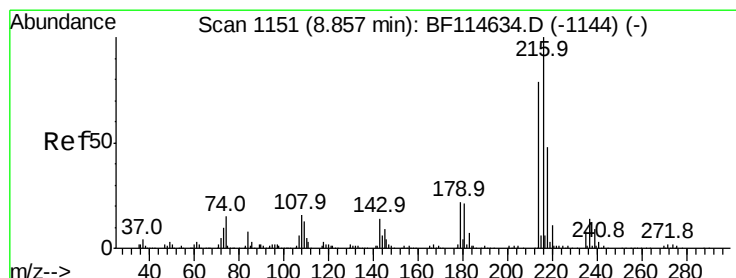
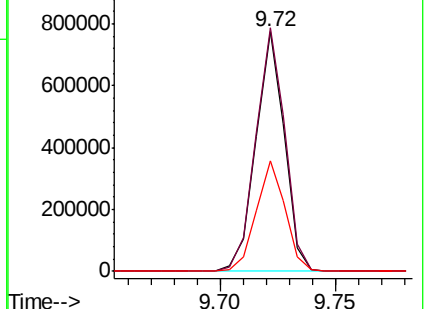
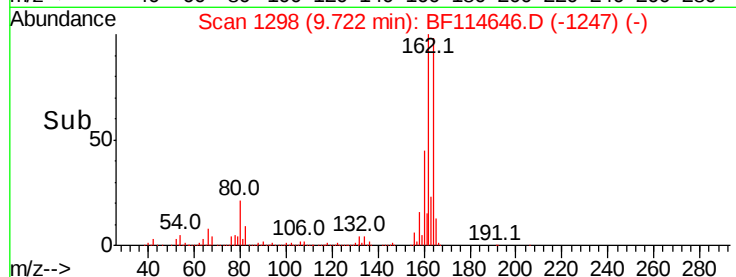
160 46.3 36.6 54.8



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: 43.451 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:216 Resp: 769415

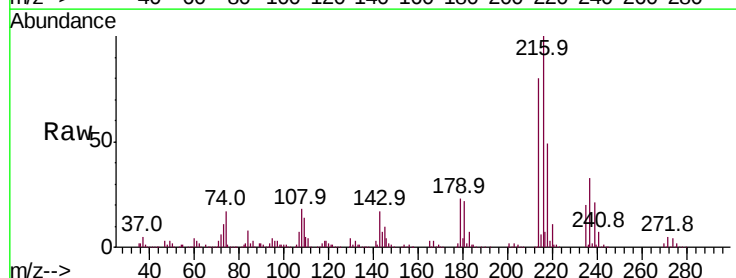
Ion Ratio Lower Upper

216 100

214 79.5 63.2 94.8

179 22.9 17.9 26.9

108 21.4 15.8 23.8

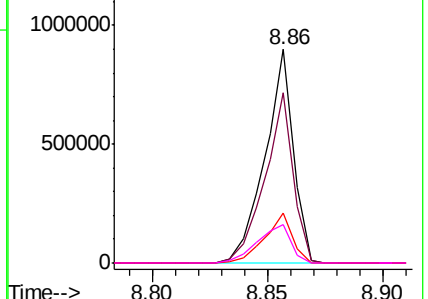
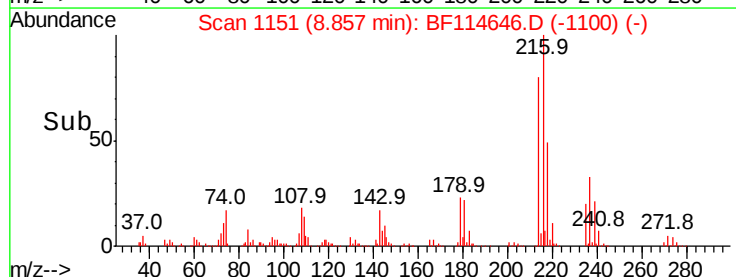


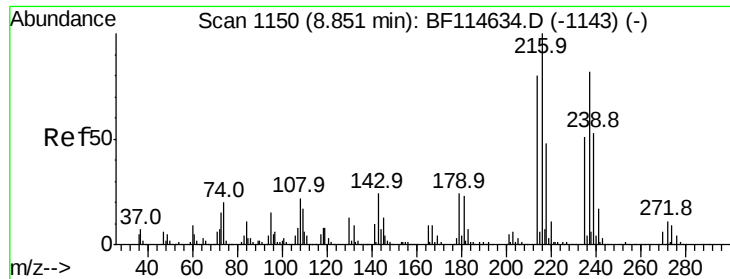
Abundance Ion 216.00 (215.70 to 216.70): E

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: 73.716 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

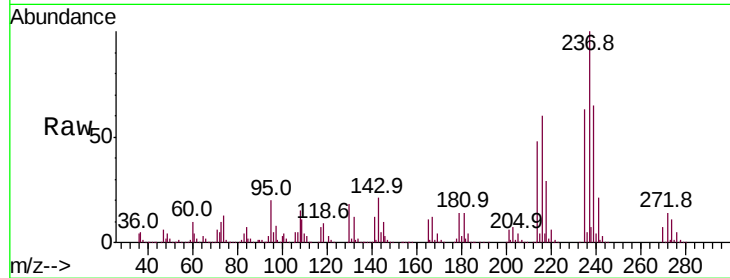
Tot Ion:237 Resp: 862596

Ion Ratio Lower Upper

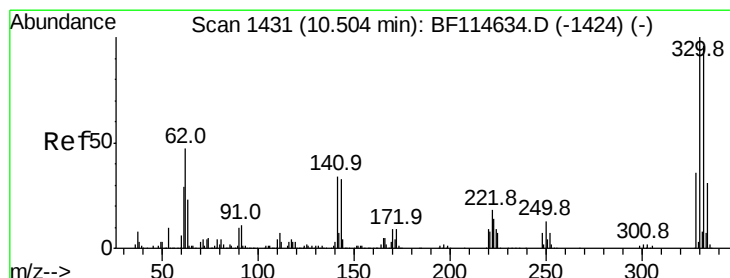
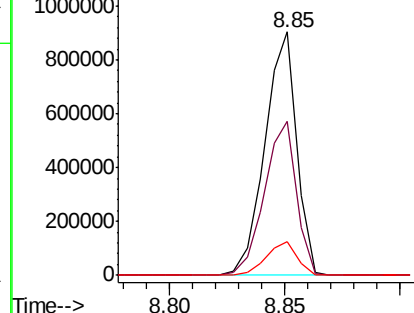
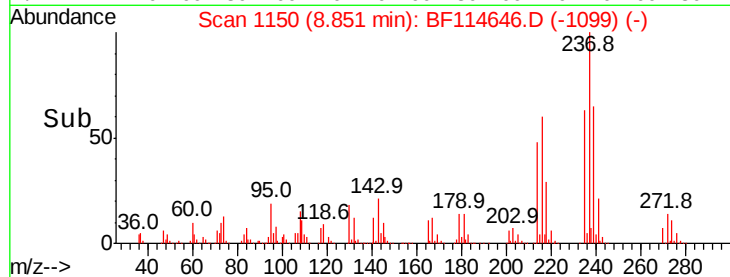
237 100

235 63.3 42.8 82.8

272 13.8 0.0 33.7



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: 138.811 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

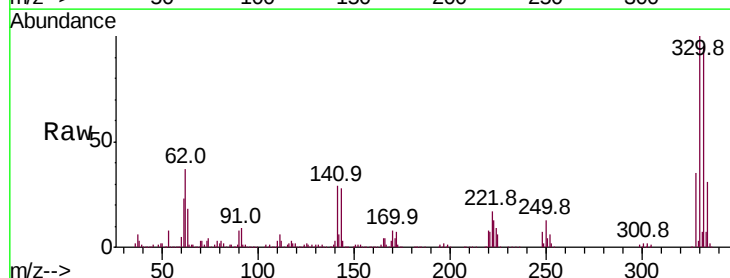
Tgt Ion:330 Resp: 879478

Ion Ratio Lower Upper

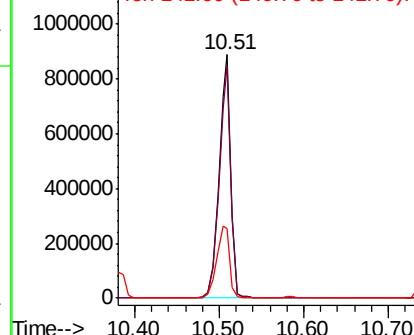
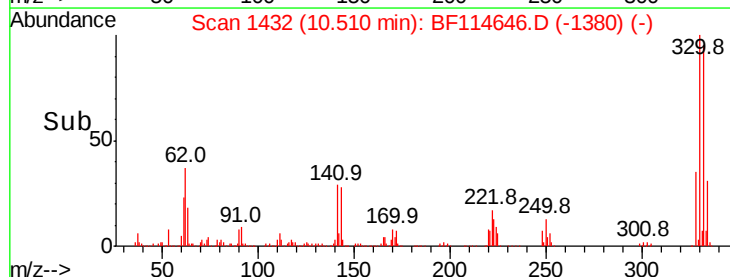
330 100

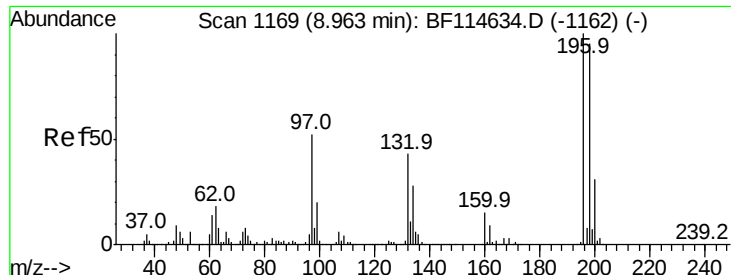
332 95.7 75.8 113.8

141 33.2 27.8 41.8



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

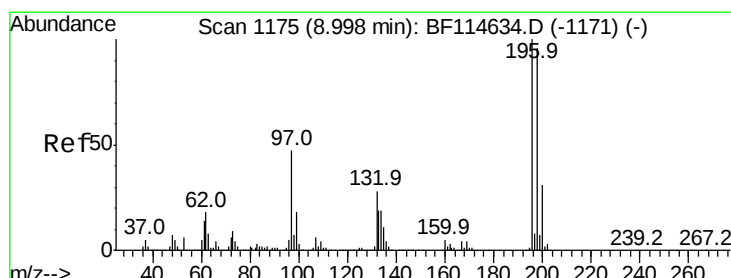
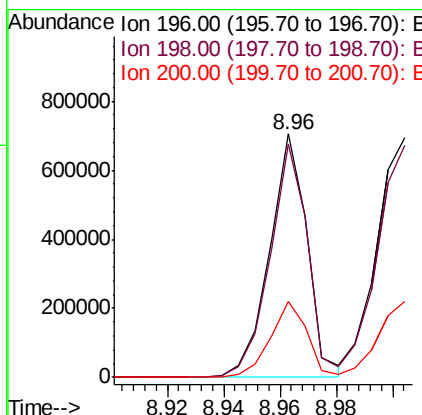
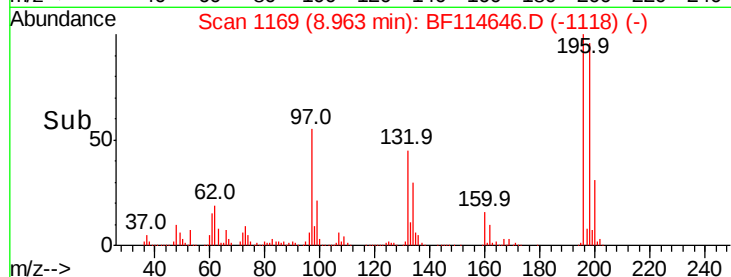
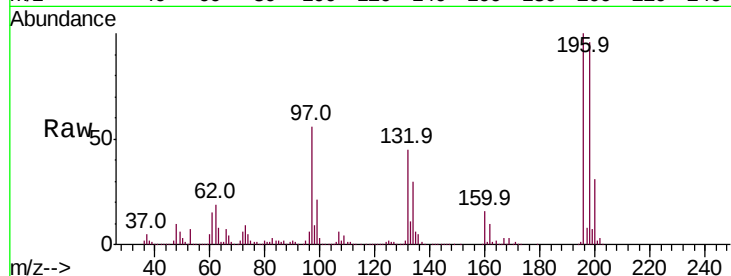




#43
 2,4,6-Trichlorophenol
 Concen: 46.572 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

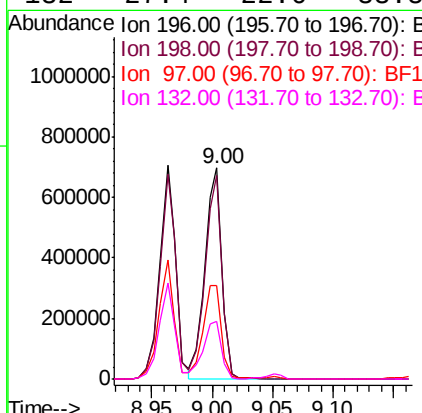
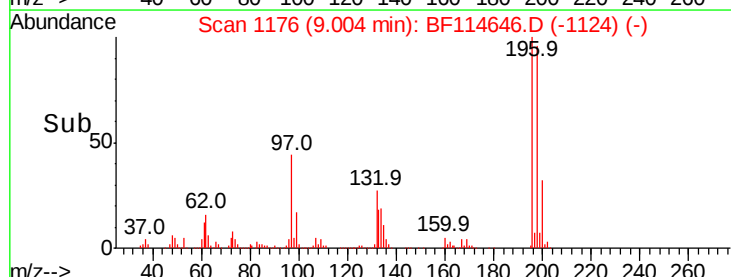
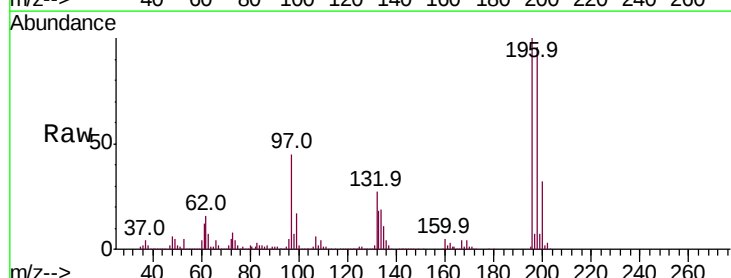
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

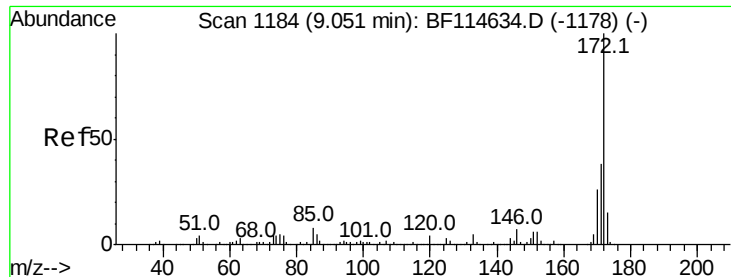
Tot Ion:	196	Resp:	648899
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.1	114.1
200	31.3	24.7	37.1



#44
 2,4,5-Trichlorophenol
 Concen: 48.607 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion:	196	Resp:	675830
Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.8	115.2
97	44.6	37.8	56.8
132	27.4	22.6	33.8



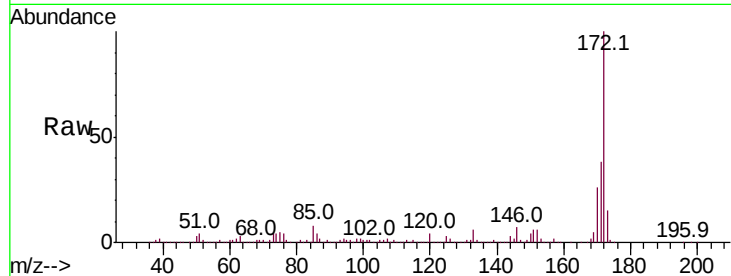


#45
 2-Fluorobiphenyl
 Concen: 91.227 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

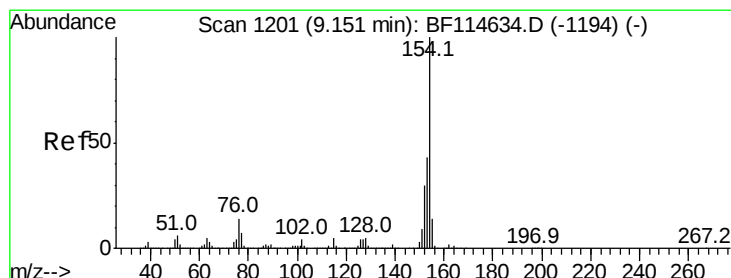
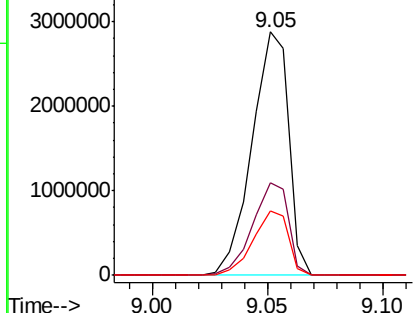
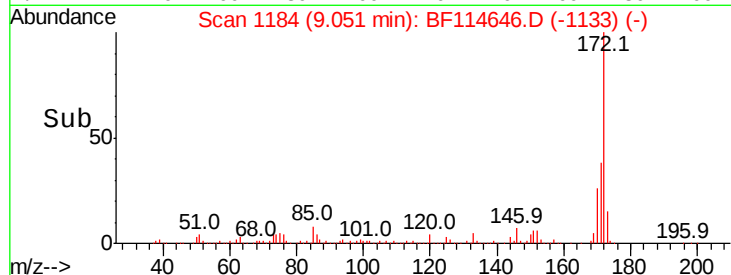
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion:172 Resp: 3187727

Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	45.8
170	26.3	20.7	31.1



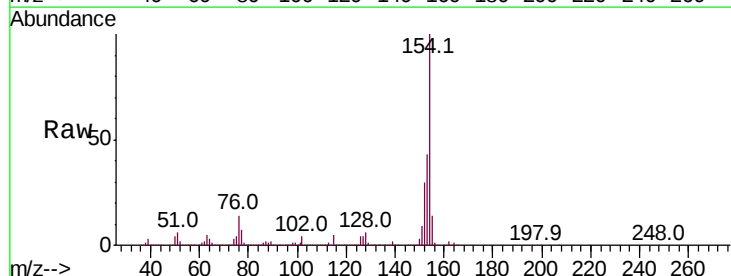
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



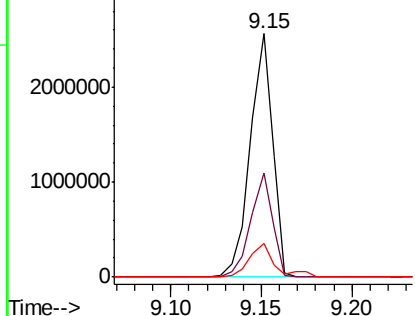
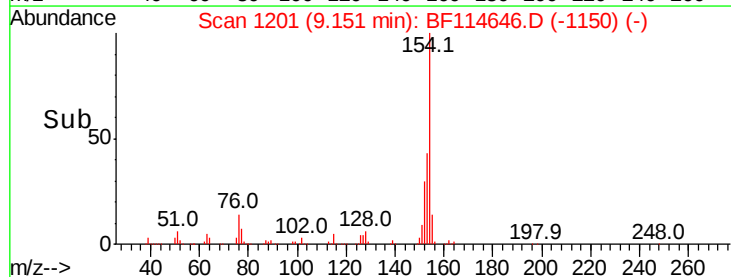
#46
 1,1'-Biphenyl
 Concen: 44.722 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

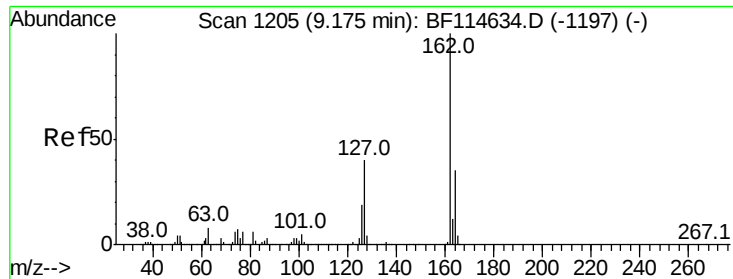
Tgt Ion:154 Resp: 2207419

Ion	Ratio	Lower	Upper
154	100		
153	43.0	23.0	63.0
76	13.9	0.0	33.9



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

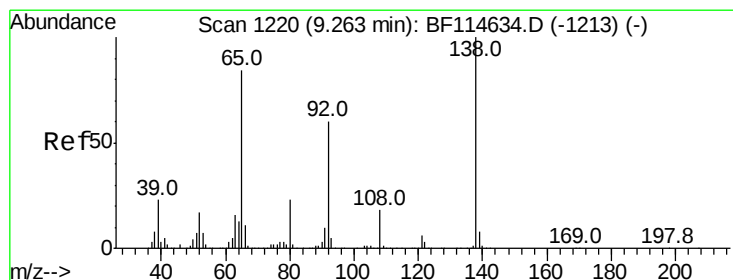
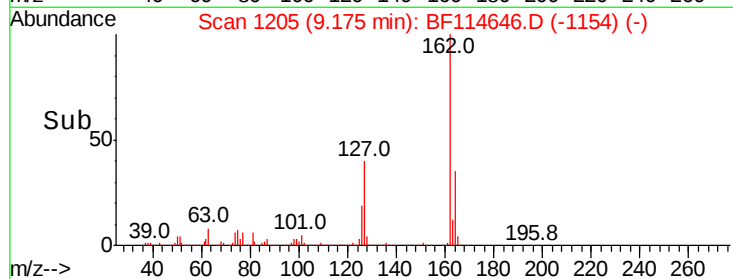
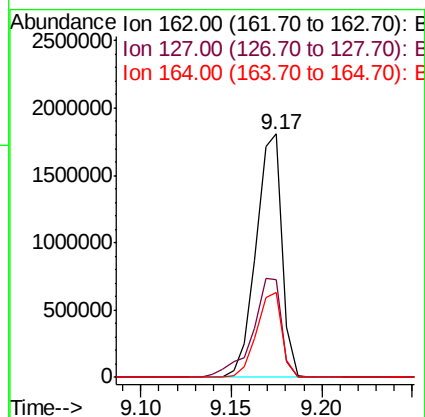
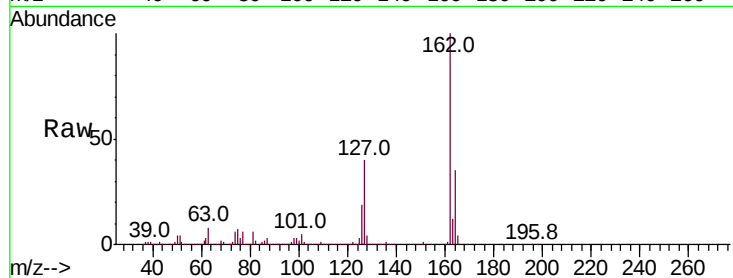




#47
 2-Chloronaphthalene
 Concen: 44.272 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

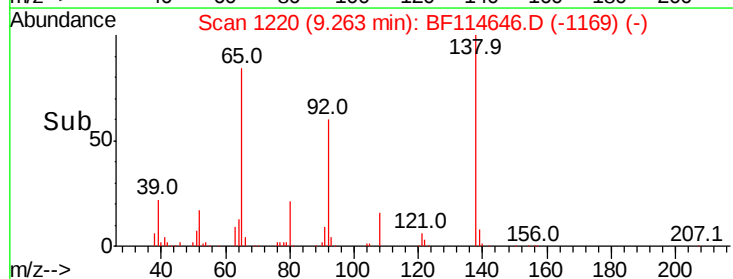
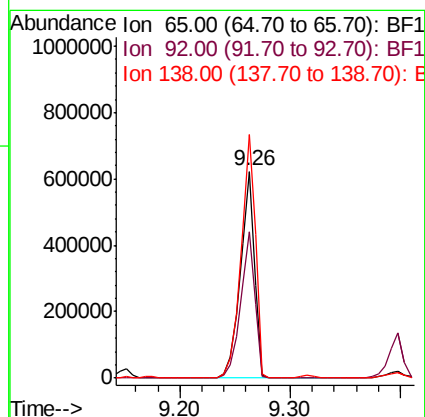
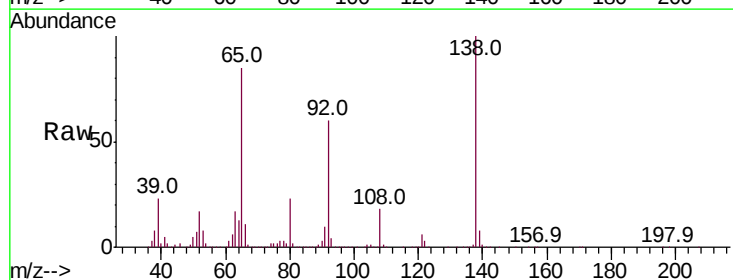
Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

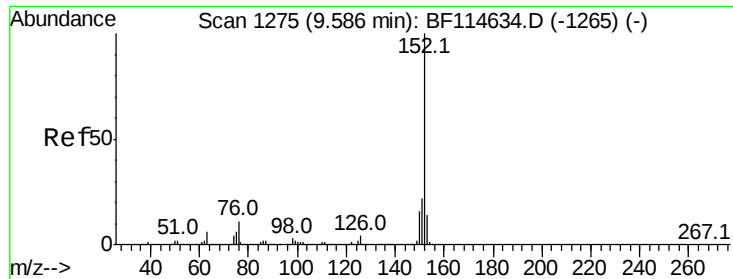
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	34.6	27.8	41.6



#48
 2-Nitroaniline
 Concen: 44.886 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.9	57.1	85.7
138	117.7	95.8	143.6





#49

Acenaphthylene

Concen: 44.365 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

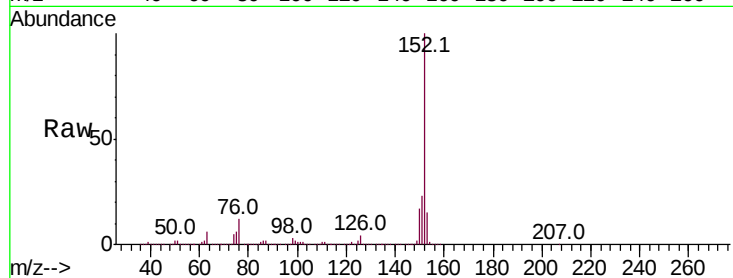
BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:152 Resp: 2775017

Ion	Ratio	Lower	Upper
152	100		
151	22.8	17.5	26.3
153	14.9	11.6	17.4

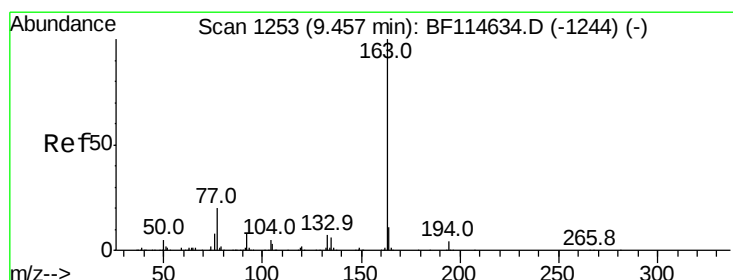
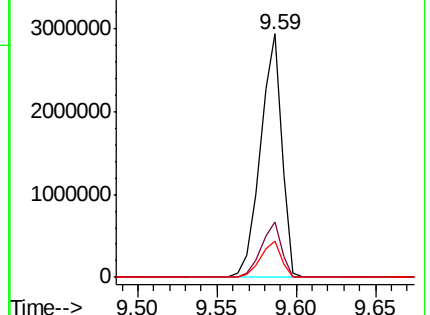
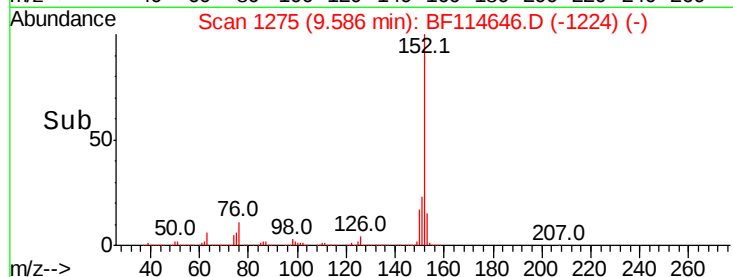


Abundance

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: 57.617 ng

RT: 9.46 min Scan# 1253

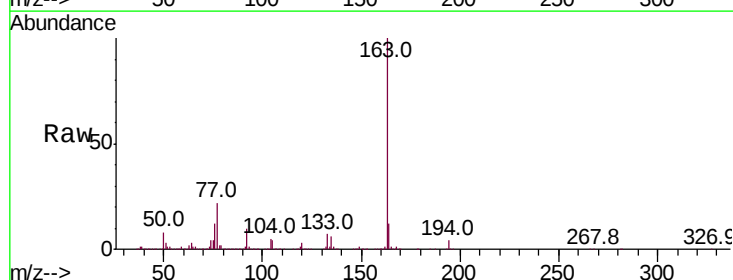
Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:163 Resp: 2669614

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	11.5	8.6	13.0

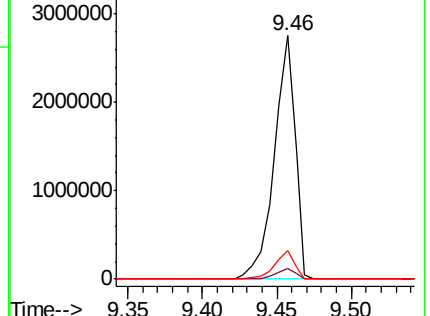
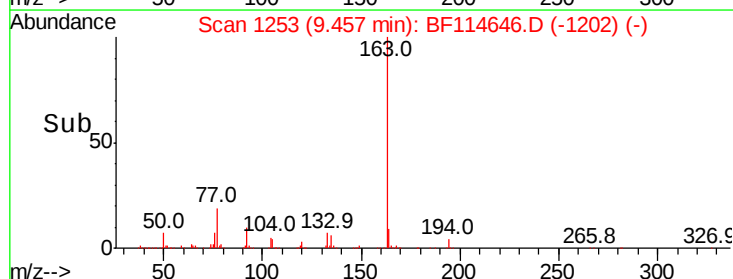


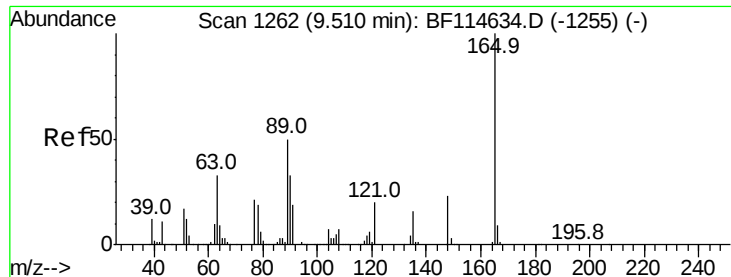
Abundance

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

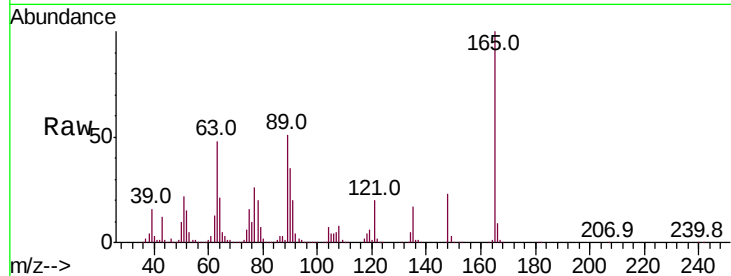




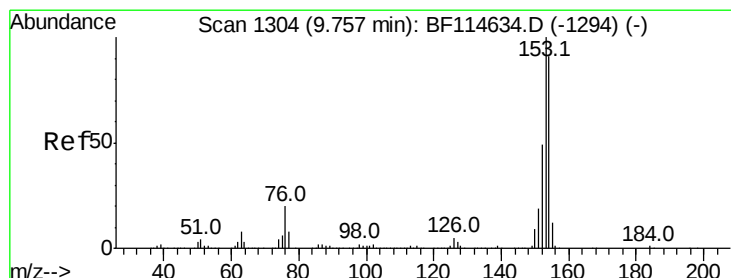
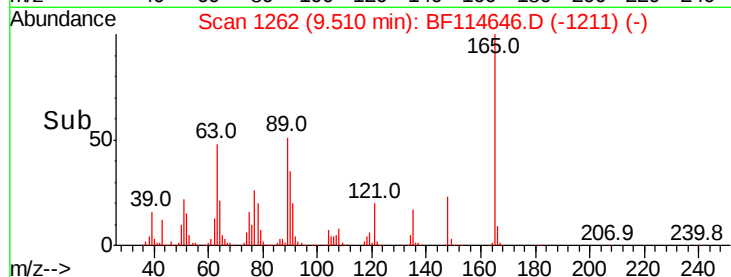
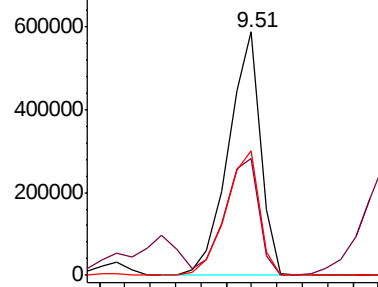
#51
 2,6-Dinitrotoluene
 Concen: 48.145 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Instrument :
 BNA_F
 ClientSampleId :
 B-4W(3-4)MSD

Tot Ion:165 Resp: 518340
 Ion Ratio Lower Upper
 165 100
 63 48.3 36.6 54.8
 89 51.3 40.2 60.4

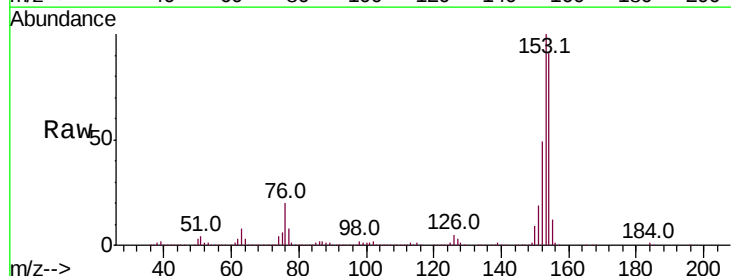


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

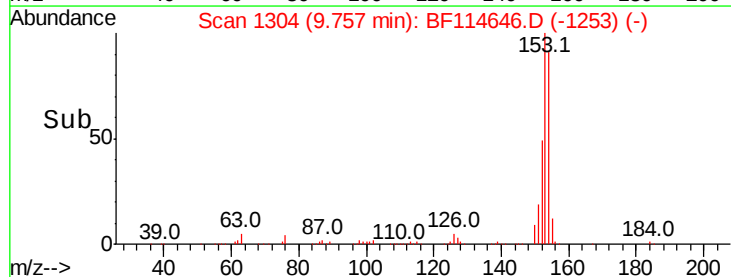
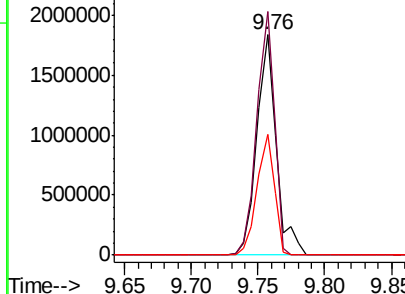


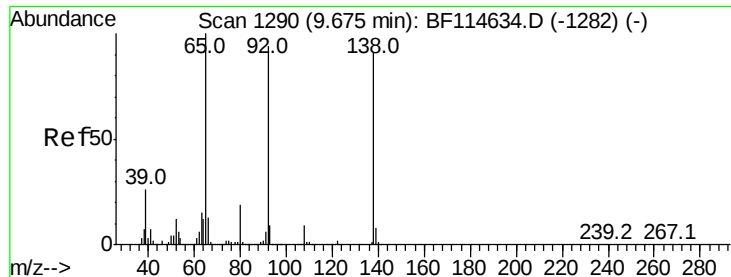
#52
 Acenaphthene
 Concen: 47.547 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF114646.D
 Acq: 29 May 2019 21:23

Tgt Ion:154 Resp: 1823953
 Ion Ratio Lower Upper
 154 100
 153 110.5 88.4 132.6
 152 54.6 43.4 65.0



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





#53

3-Nitroaniline

Concen: 20.916 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

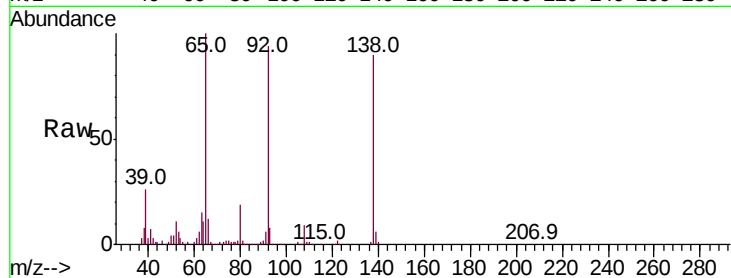
Tot Ion:138 Resp: 275610

Ion Ratio Lower Upper

138 100

108 10.3 8.3 12.5

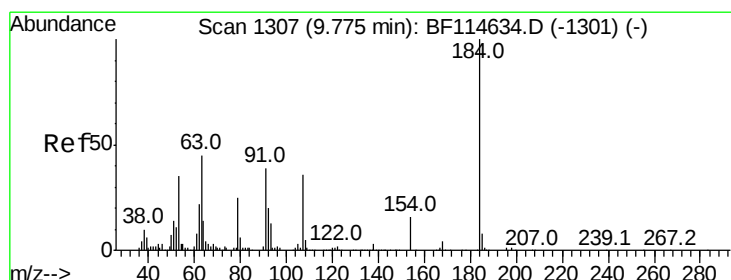
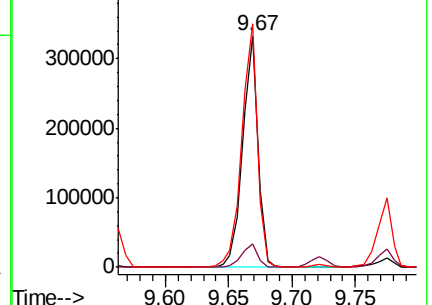
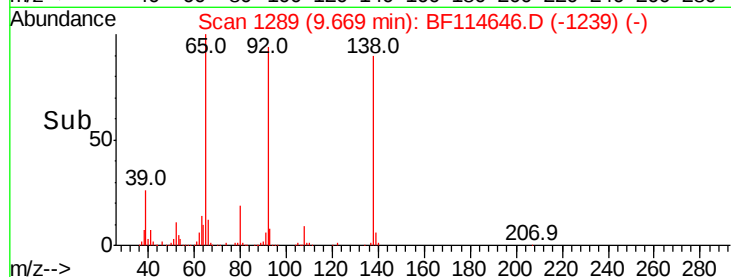
92 105.2 83.1 124.7



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 77.976 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

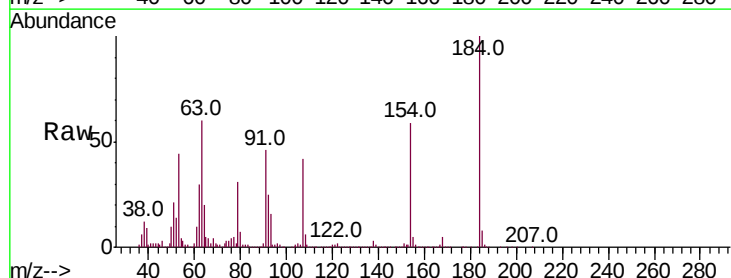
Tgt Ion:184 Resp: 331138

Ion Ratio Lower Upper

184 100

63 60.2 38.8 58.2#

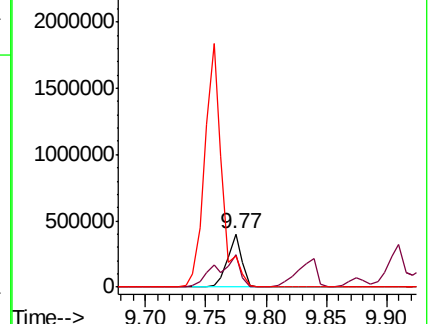
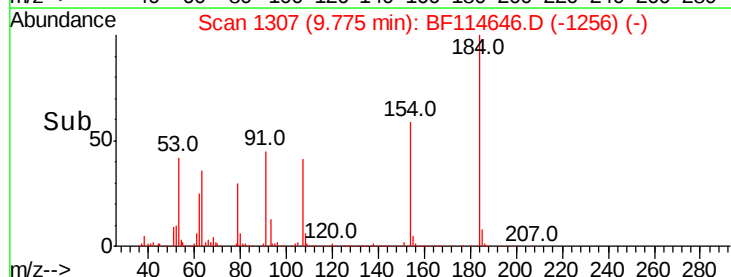
154 58.7 43.7 65.5

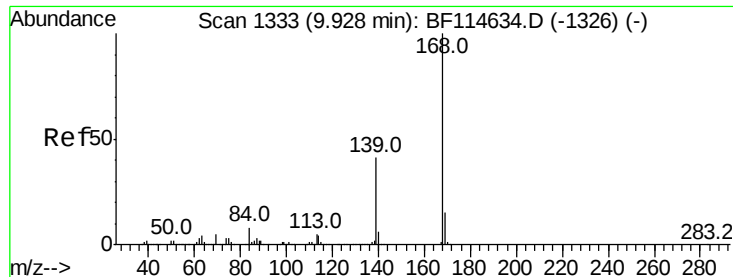


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 45.678 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.00 min

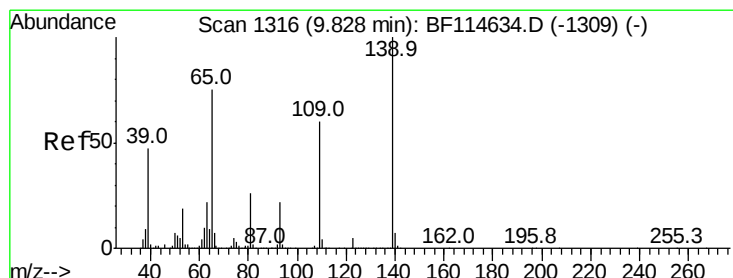
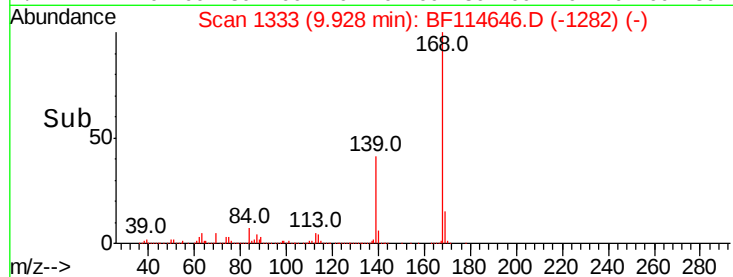
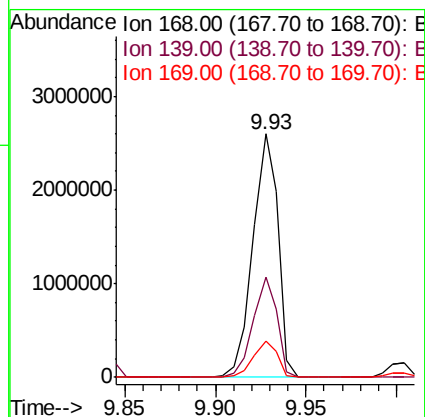
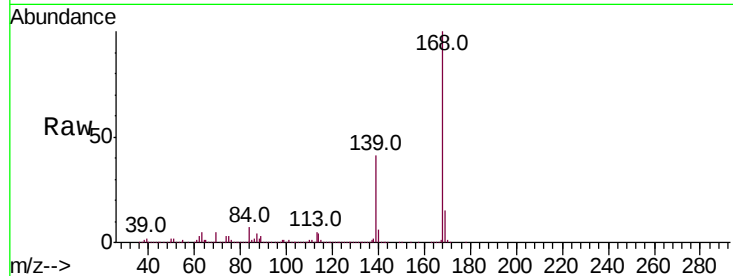
Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion:168 Resp: 2494240

Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.6	48.8
169	15.0	11.8	17.8



#56

4-Nitrophenol

Concen: 95.991 ng

RT: 9.84 min Scan# 1318

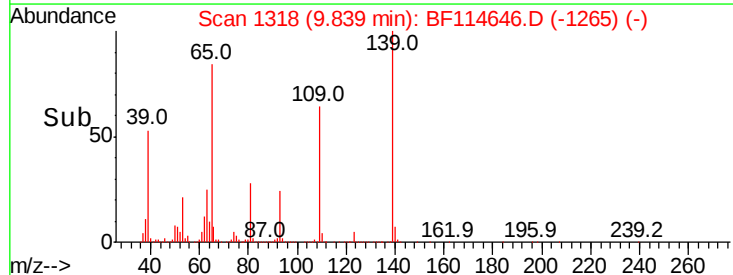
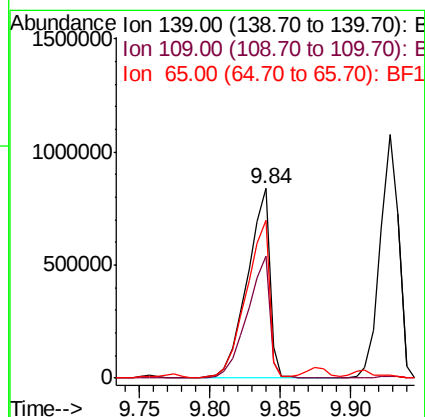
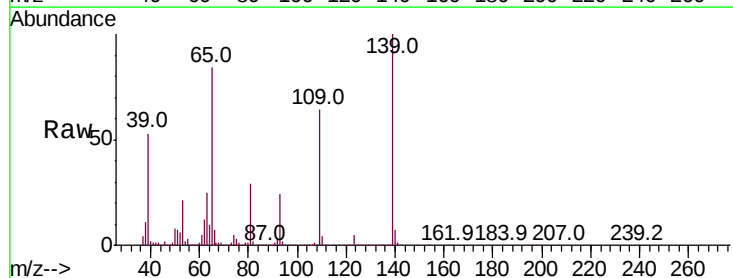
Delta R.T. 0.01 min

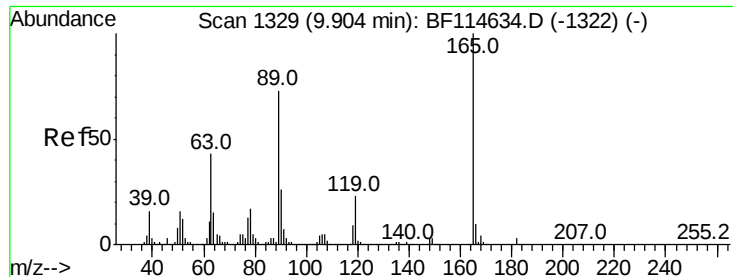
Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:139 Resp: 937331

Ion	Ratio	Lower	Upper
139	100		
109	64.5	40.4	80.4
65	83.6	54.7	94.7

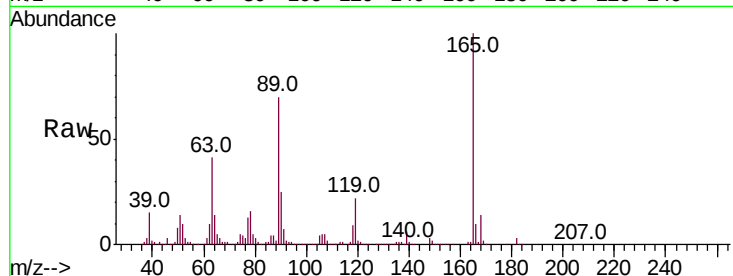




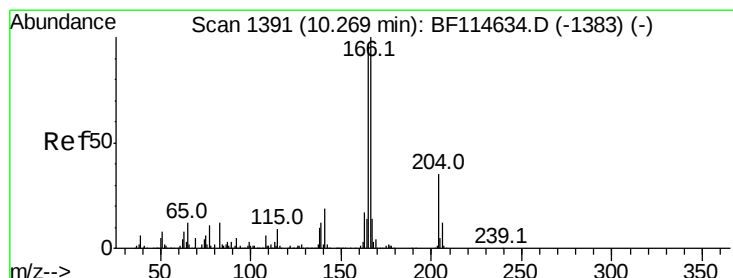
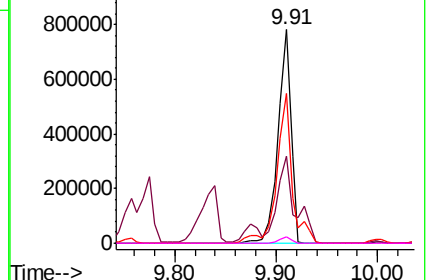
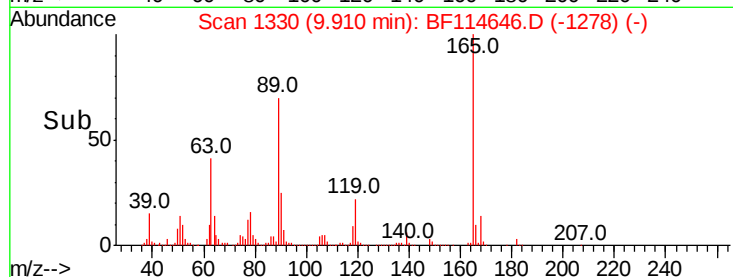
#57
2,4-Dinitrotoluene
Concen: 50.176 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion:165 Resp: 693307
Ion Ratio Lower Upper
165 100
63 40.8 34.8 52.2
89 69.8 58.5 87.7
182 2.8 2.2 3.2

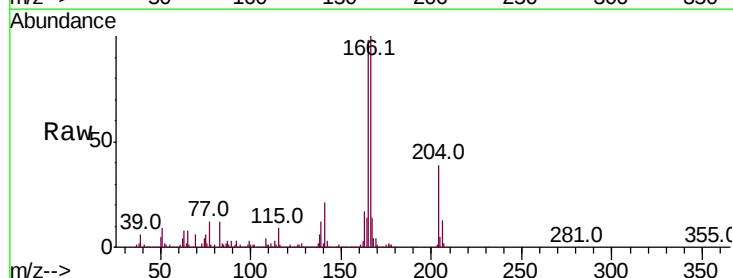


Abundance Ion 165.00 (164.70 to 165.70): E
1200000 Ion 63.00 (62.70 to 63.70): BF1
1000000 Ion 89.00 (88.70 to 89.70): BF1
800000 Ion 182.00 (181.70 to 182.70): E
600000
400000
200000
0

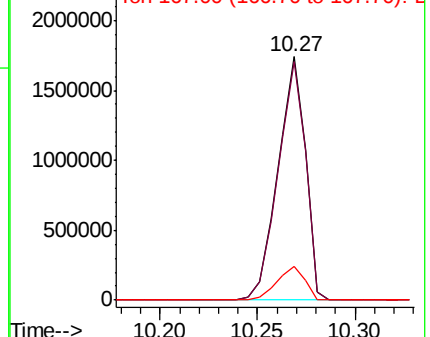
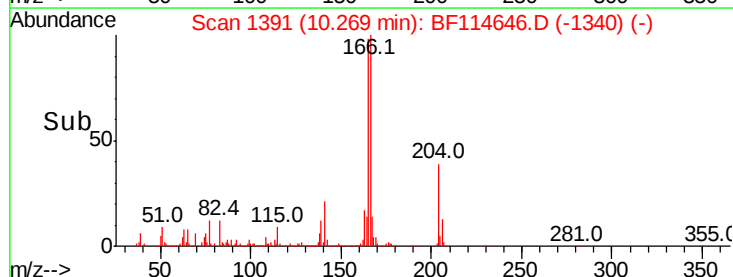


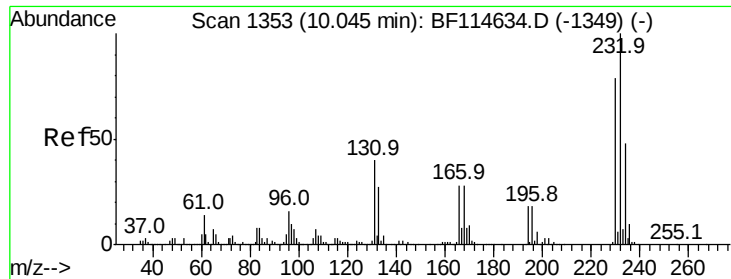
#58
Fluorene
Concen: 47.578 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:166 Resp: 1692202
Ion Ratio Lower Upper
166 100
165 97.9 77.6 116.4
167 14.1 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E
2000000 Ion 165.00 (164.70 to 165.70): E
1500000 Ion 167.00 (166.70 to 167.70): E
1000000
500000
0

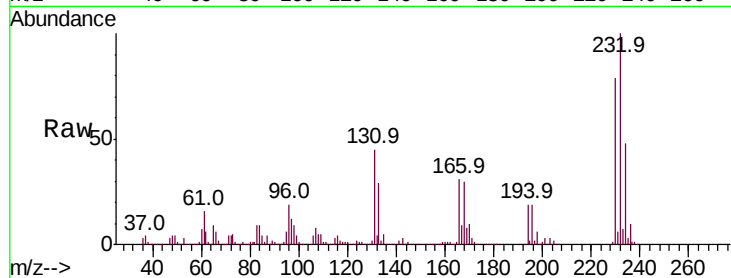




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.916 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion:	232	Resp:	579460
Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.2	55.8
130	2.2	1.8	2.8
166	30.2	24.8	37.2



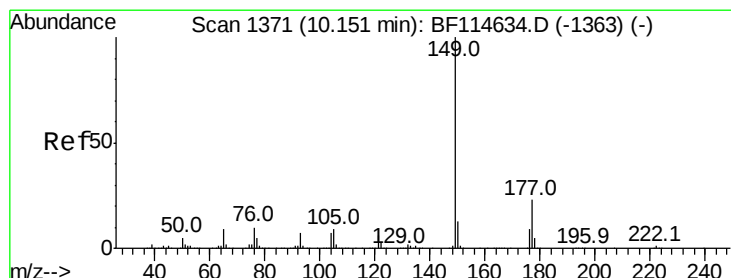
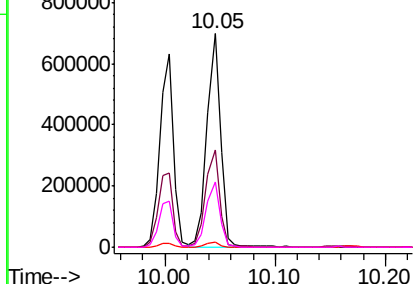
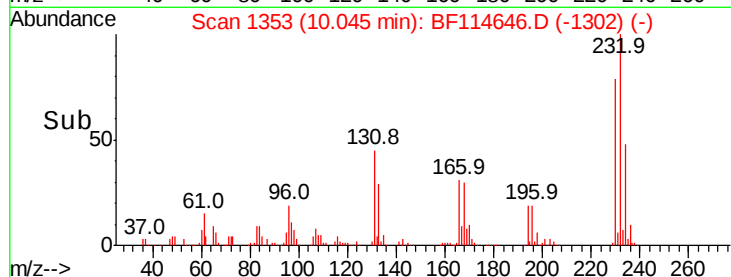
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

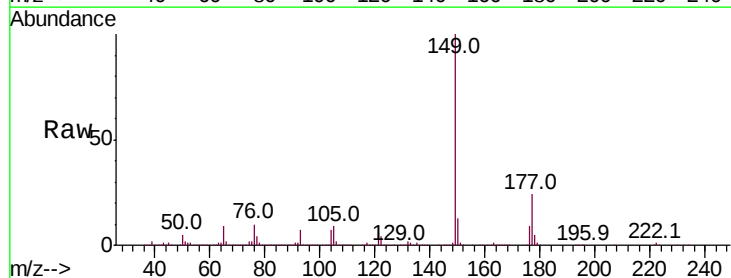
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 47.076 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:	149	Resp:	2227751
Ion	Ratio	Lower	Upper
149	100		
177	24.1	18.6	28.0
150	13.3	10.6	15.8

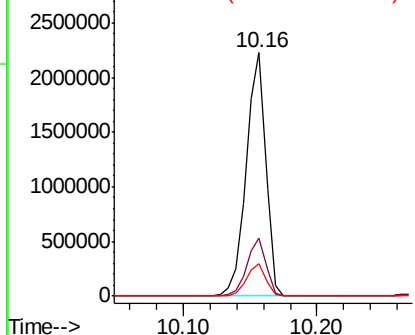
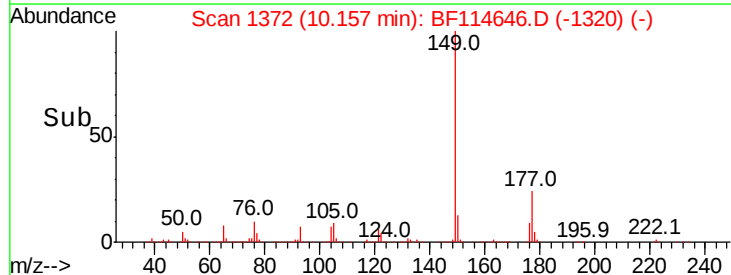


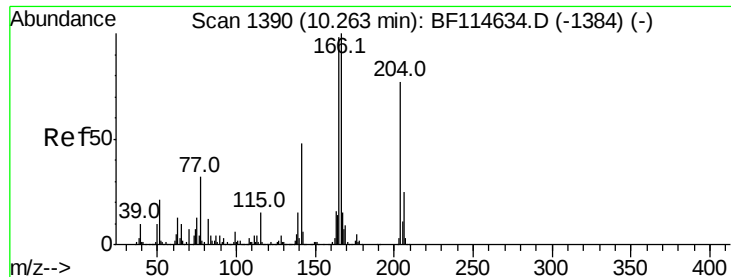
Abundance

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

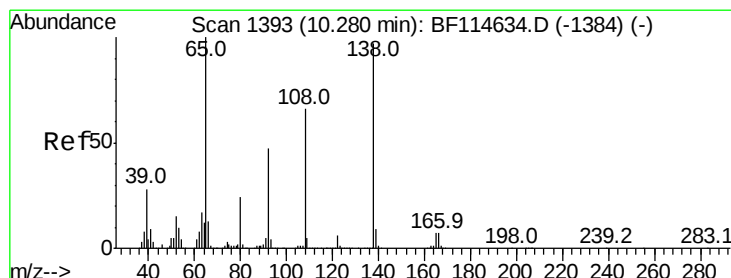
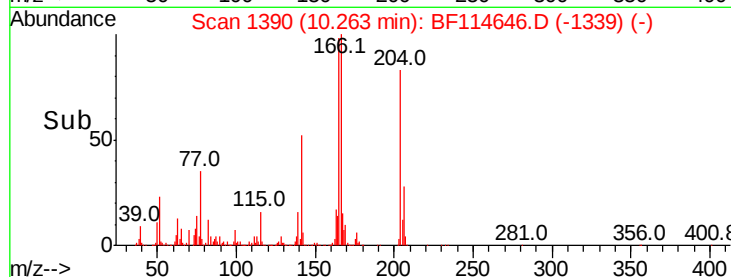
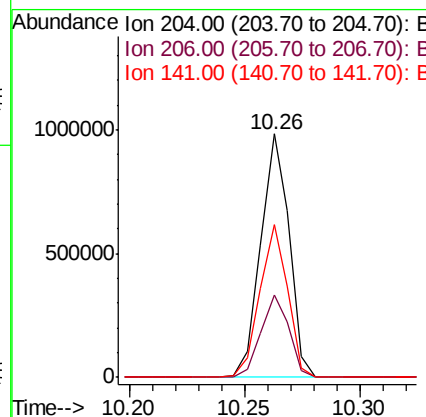
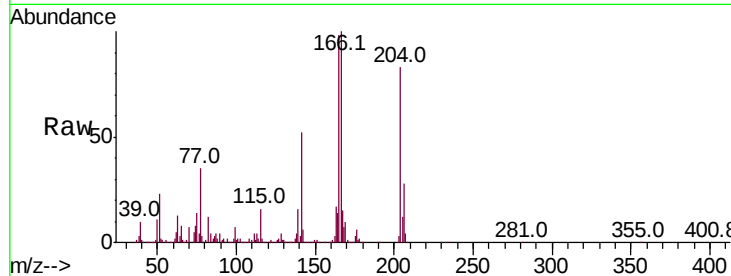




#61
4-Chlorophenyl-phenylether
Concen: 46.922 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

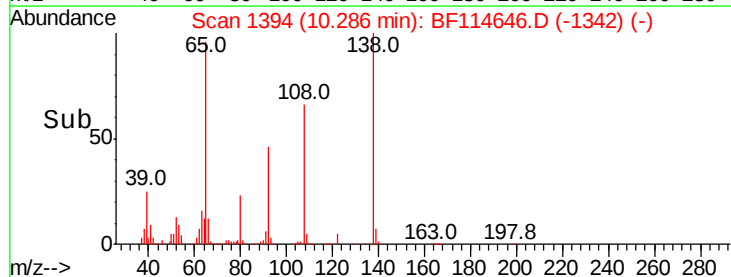
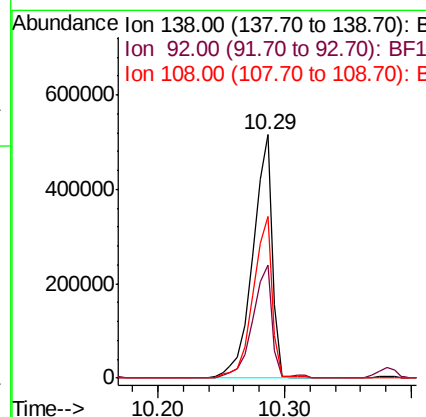
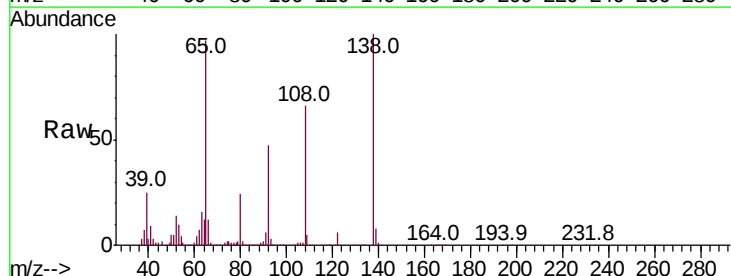
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

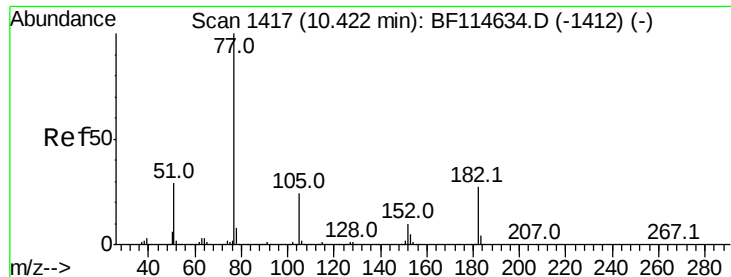
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.4	39.6
141	62.6	50.0	75.0



#62
4-Nitroaniline
Concen: 42.964 ng
RT: 10.29 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.6	28.0	68.0
108	66.4	48.4	88.4



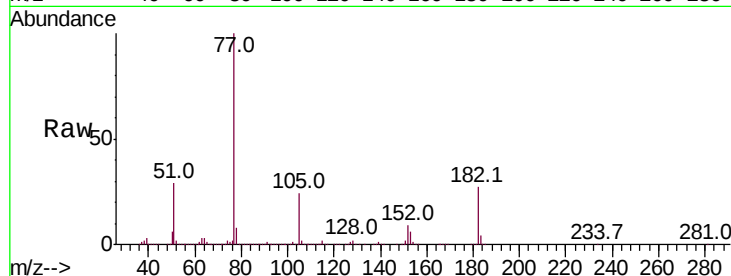


#63
Azobenzene
Concen: 46.671 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion: 77 Resp: 2027734

Ion	Ratio	Lower	Upper
77	100		
182	26.9	7.0	47.0
105	24.2	3.7	43.7
51	29.0	9.1	49.1



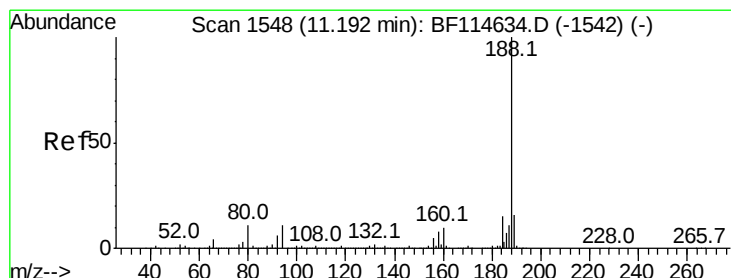
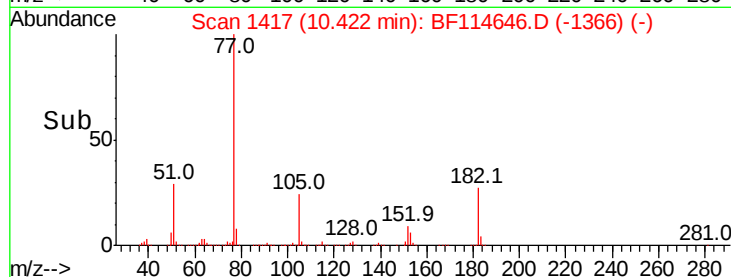
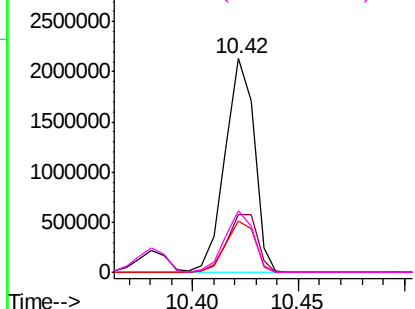
Abundance

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

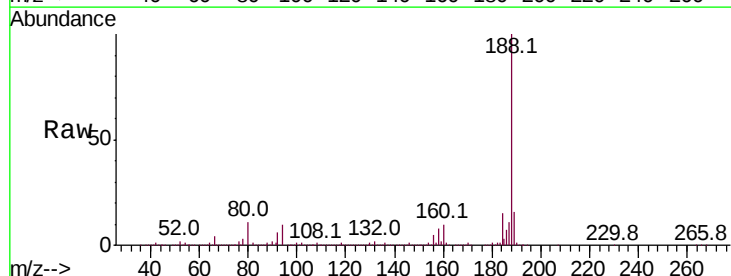
Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion: 188 Resp: 1349850

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.1	9.0	13.6

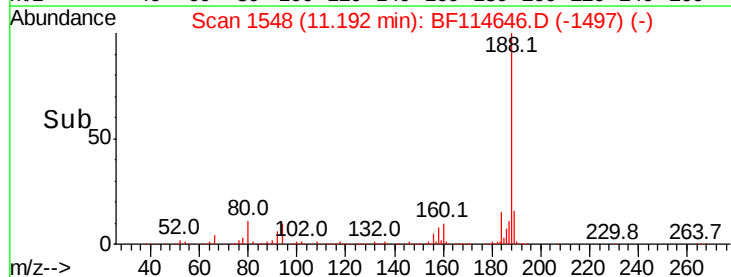
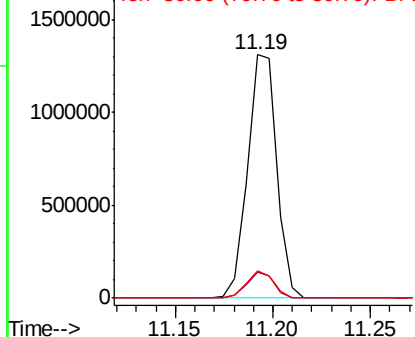


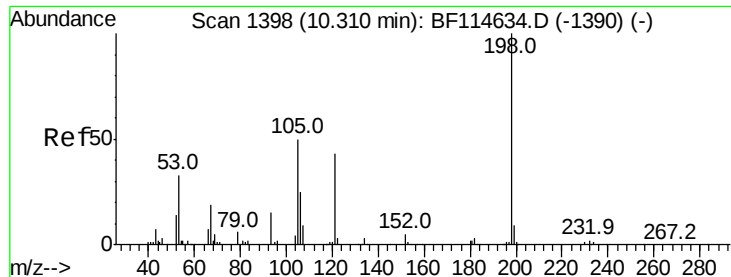
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 48.484 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

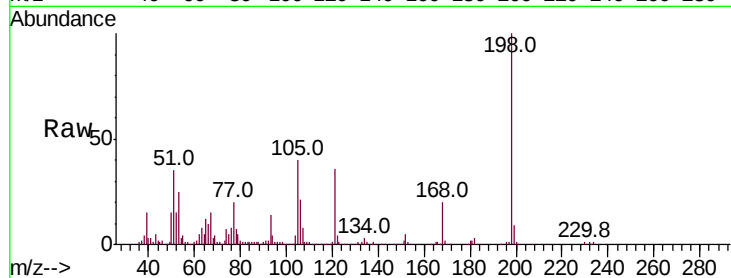
Tot Ion:198 Resp: 290198

Ion Ratio Lower Upper

198 100

51 35.2 29.0 69.0

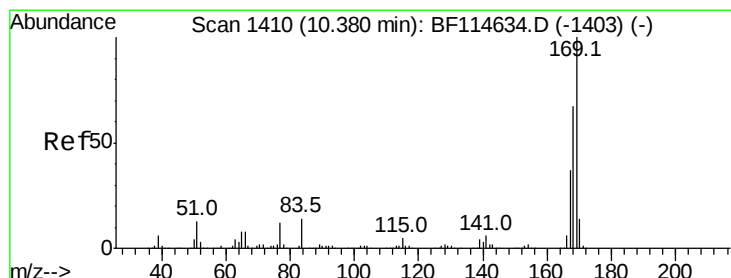
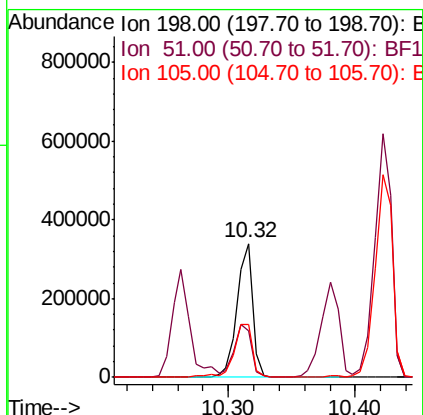
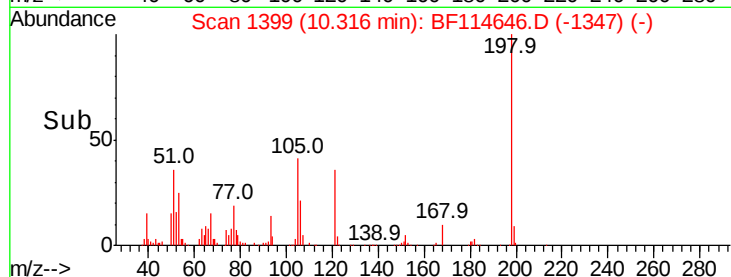
105 39.9 30.4 70.4



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: 45.691 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

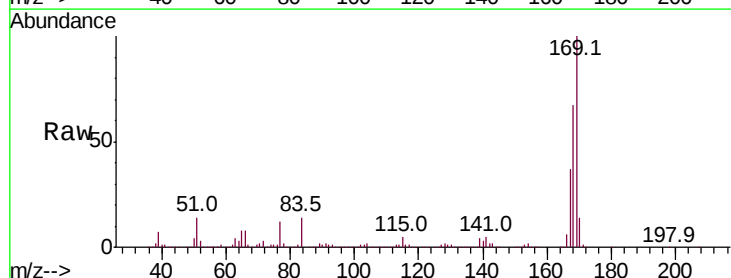
Tgt Ion:169 Resp: 1822215

Ion Ratio Lower Upper

169 100

168 67.2 53.8 80.8

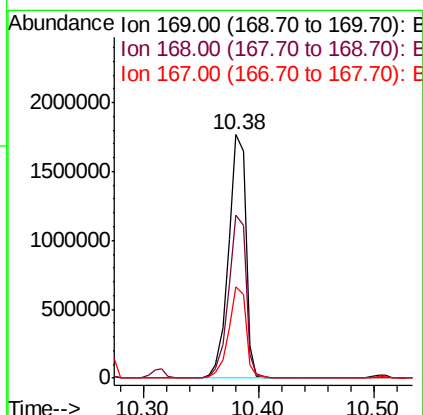
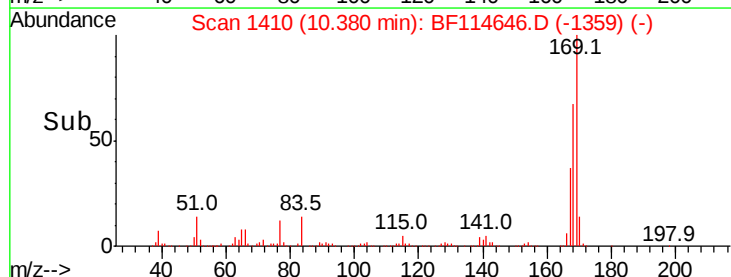
167 37.4 29.8 44.6

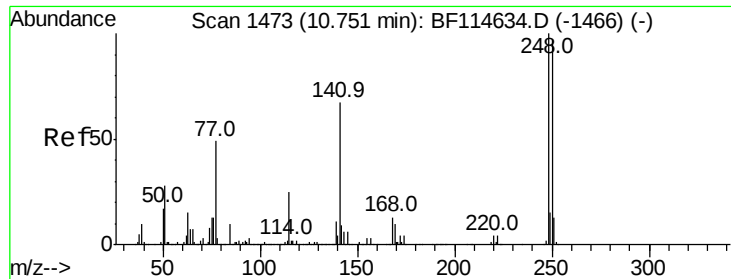


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

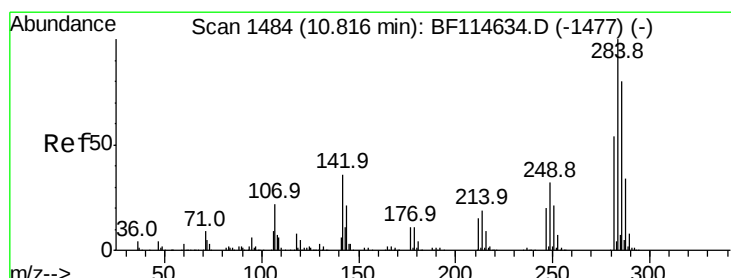
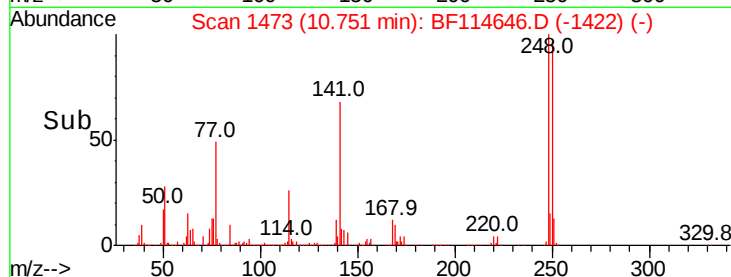
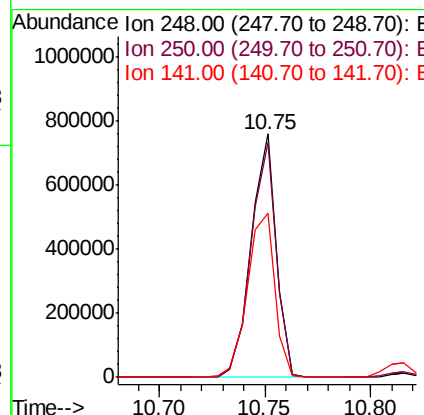
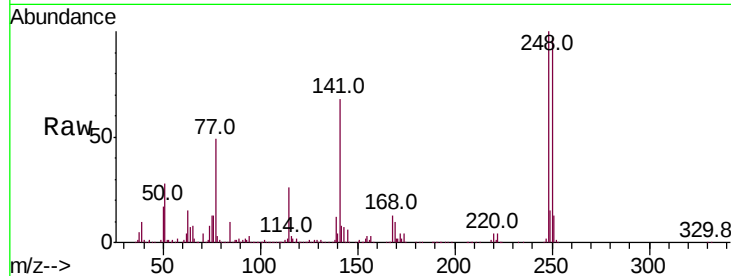




#67
4-Bromophenyl-phenylether
Concen: 43.249 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

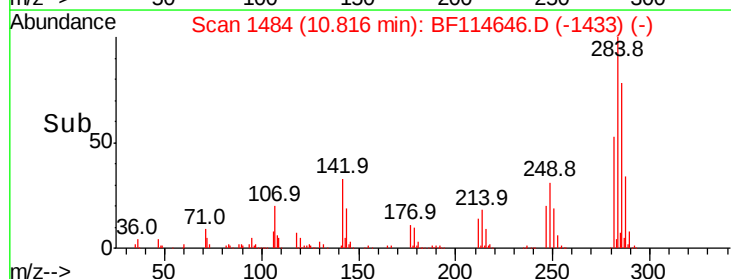
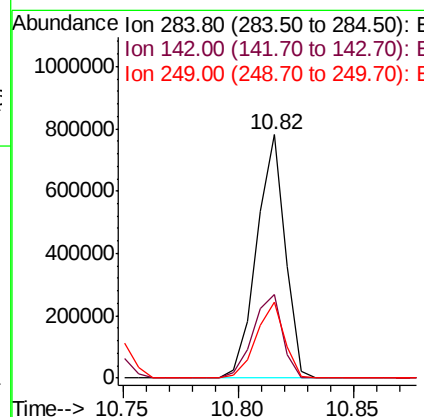
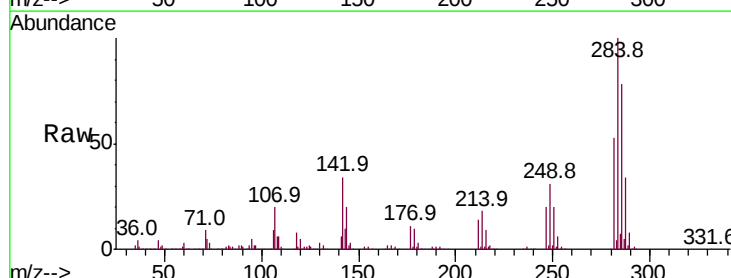
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

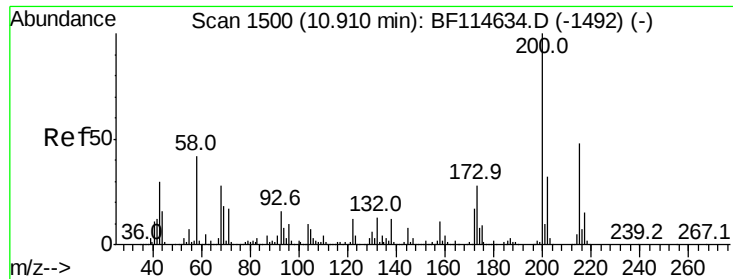
Tot Ion:248 Resp: 626044
Ion Ratio Lower Upper
248 100
250 96.5 78.0 117.0
141 67.7 53.8 80.8



#68
Hexachlorobenzene
Concen: 42.996 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:284 Resp: 674110
Ion Ratio Lower Upper
284 100
142 34.1 28.9 43.3
249 31.1 25.8 38.6

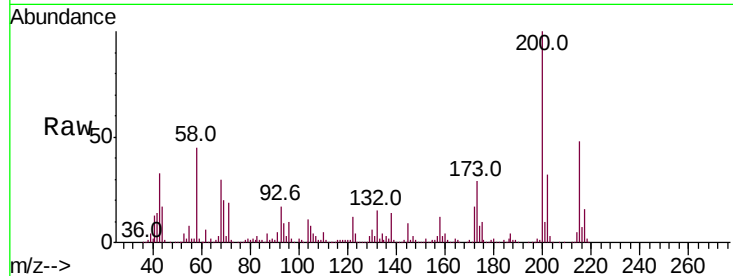




#69
Atrazine
Concen: 48.199 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.1	7.9	47.9
215	47.7	27.8	67.8

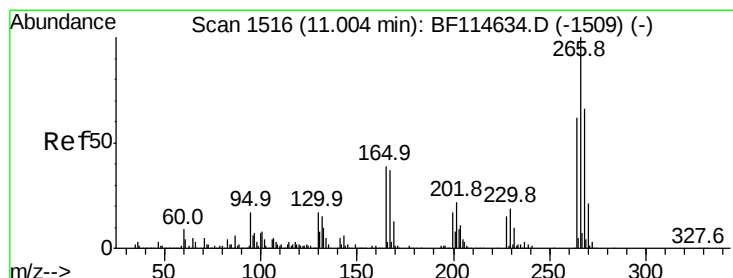
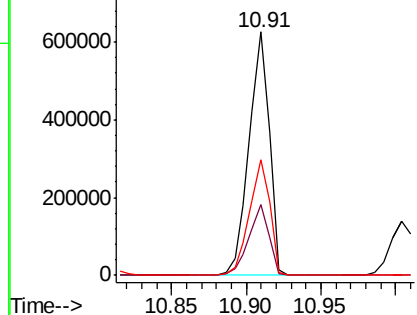
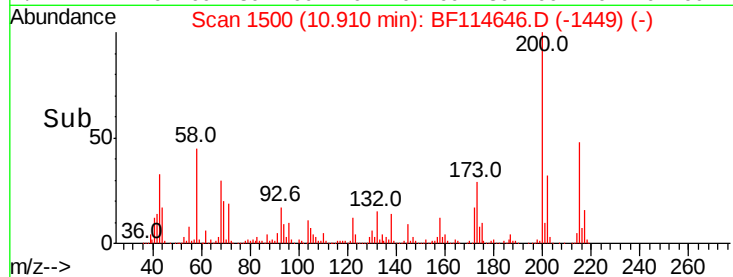


Abundance

Ion 200.00 (199.70 to 200.70): E

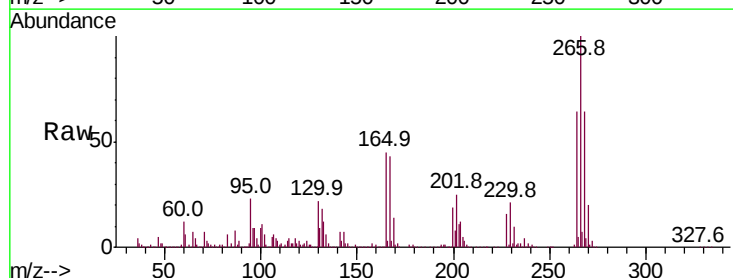
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 85.629 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.8	79.2
264	63.7	49.9	74.9

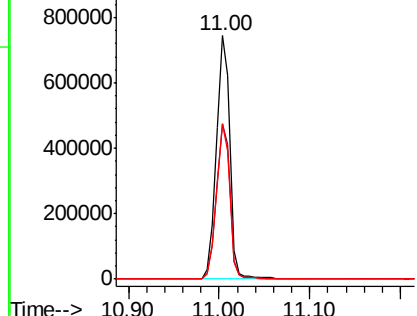
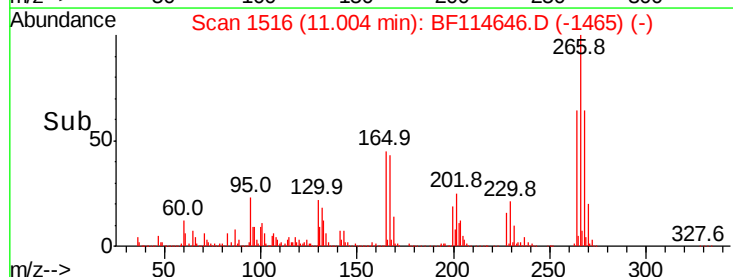


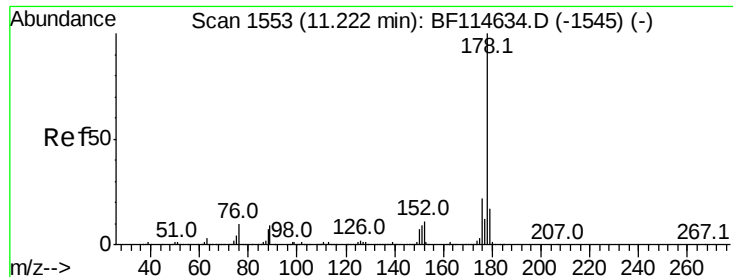
Abundance

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

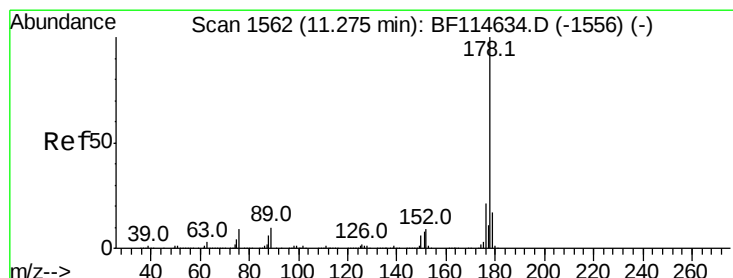
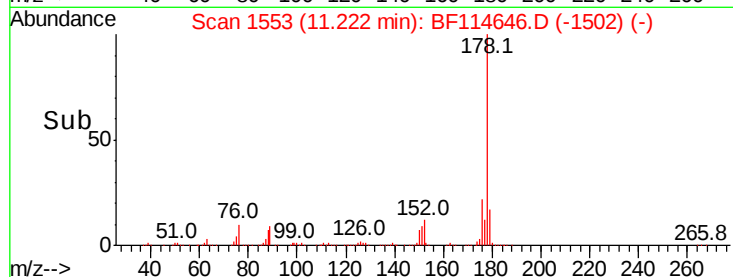
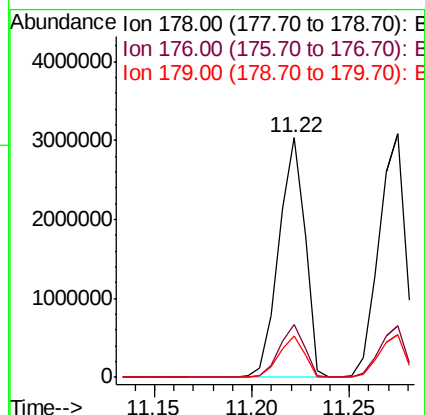
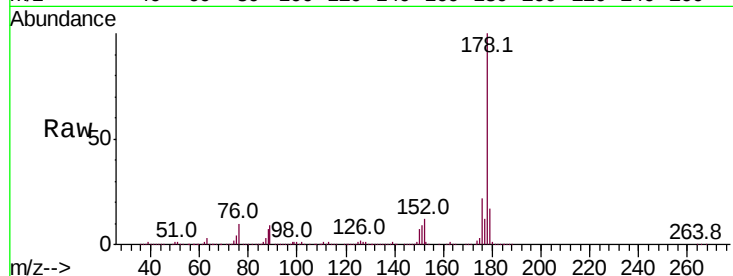




#71
Phenanthrene
Concen: 40.980 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

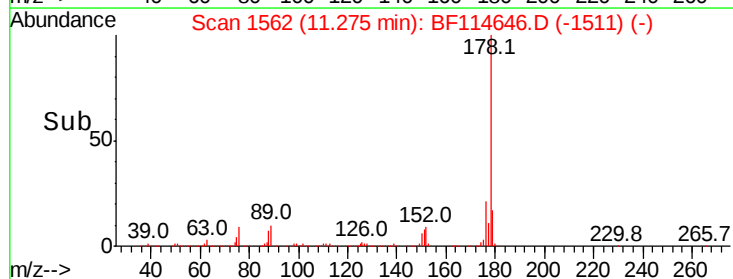
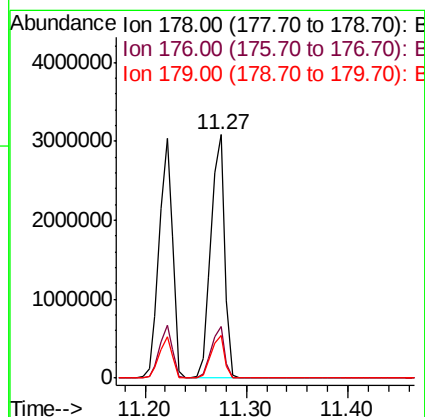
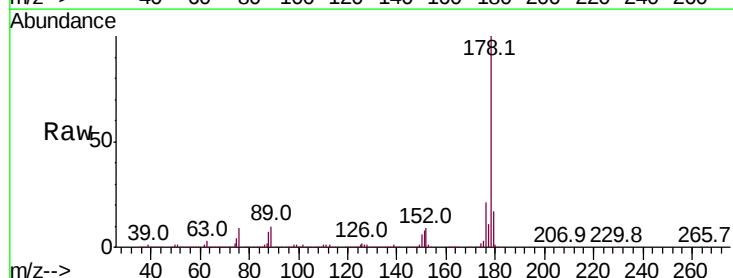
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

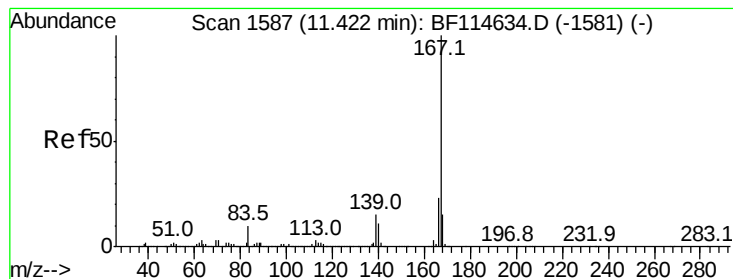
Tot Ion:178 Resp: 2821803
Ion Ratio Lower Upper
178 100
176 22.2 17.2 25.8
179 17.5 13.9 20.9



#72
Anthracene
Concen: 41.776 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:178 Resp: 2911430
Ion Ratio Lower Upper
178 100
176 21.3 16.6 24.8
179 17.4 13.4 20.0





#73

Carbazole

Concen: 44.534 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

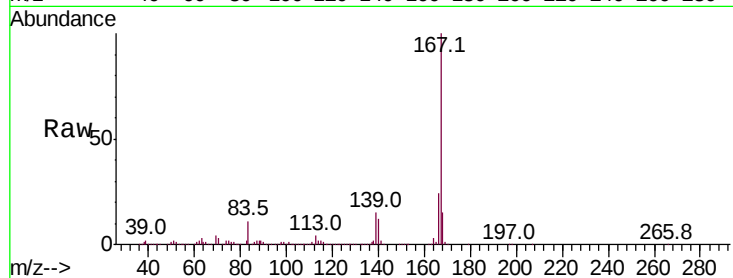
Tot Ion:167 Resp: 2727651

Ion Ratio Lower Upper

167 100

166 23.8 18.7 28.1

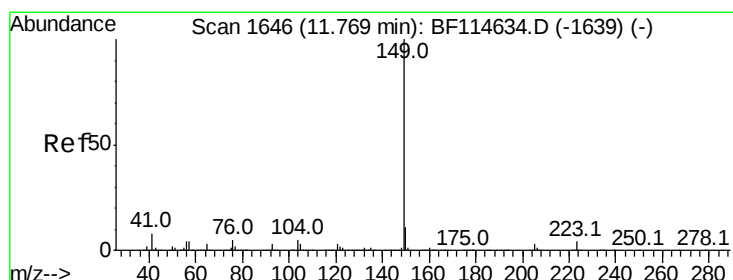
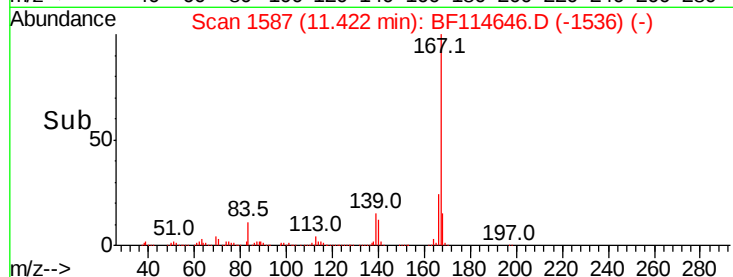
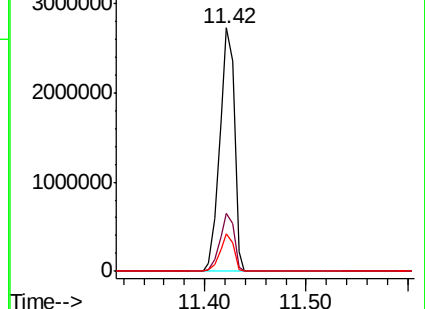
139 15.2 11.8 17.8



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: 45.547 ng

RT: 11.77 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

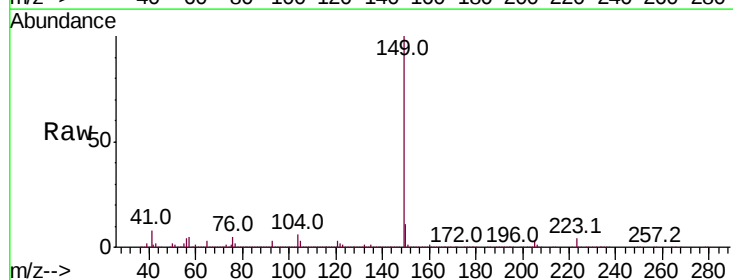
Tgt Ion:149 Resp: 3358253

Ion Ratio Lower Upper

149 100

150 10.7 8.6 12.8

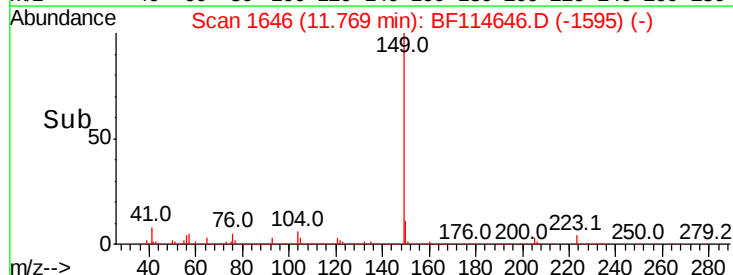
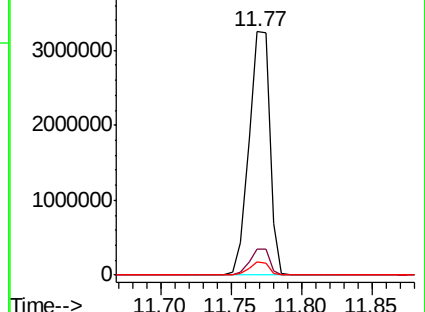
104 5.6 4.3 6.5

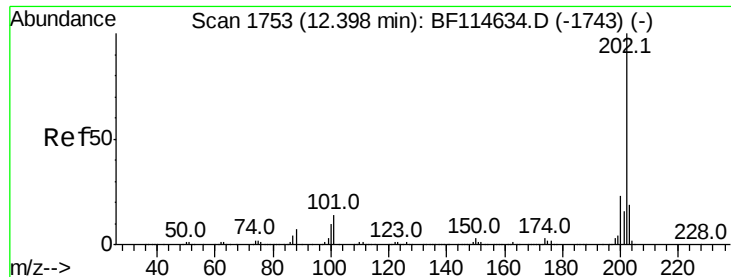


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.244 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

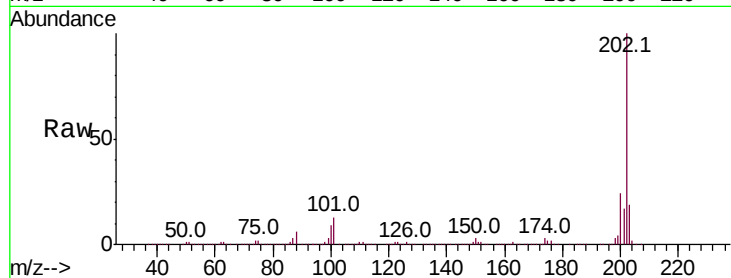
Tot Ion:202 Resp: 3011990

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.9

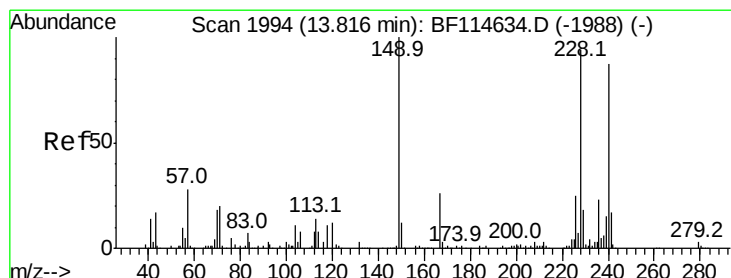
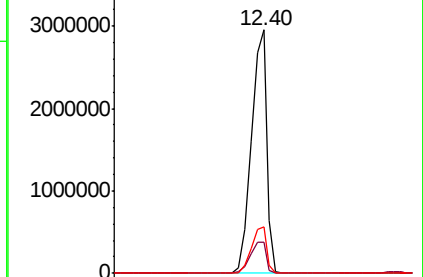
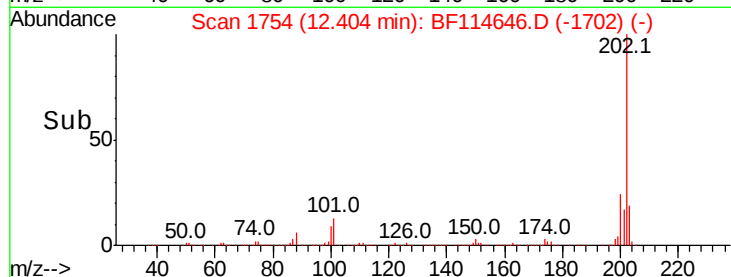
203 19.2 0.0 39.1



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: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

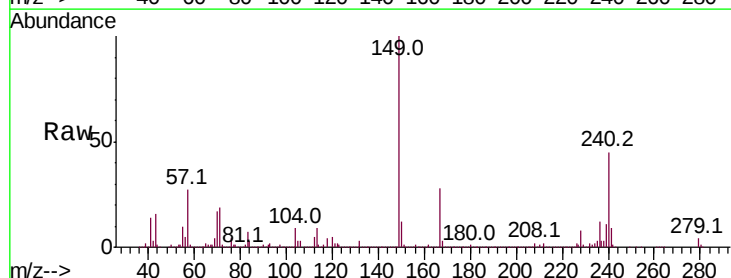
Tgt Ion:240 Resp: 834199

Ion Ratio Lower Upper

240 100

120 10.3 11.2 16.8#

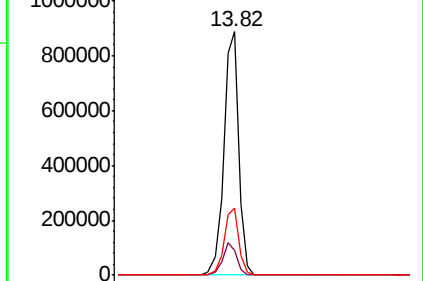
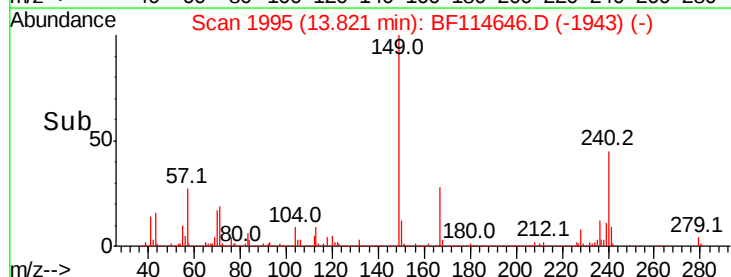
236 27.3 21.2 31.8

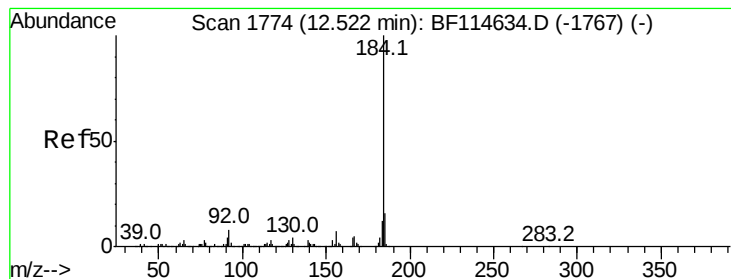


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 33.436 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

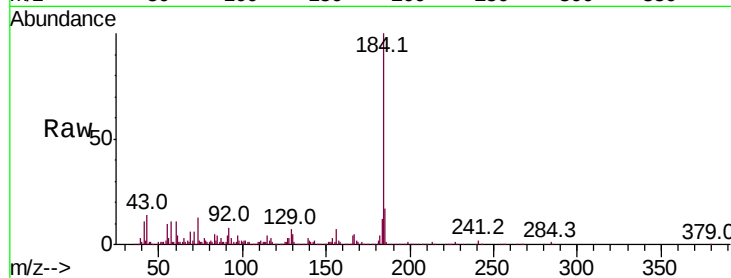
Tot Ion:184 Resp: 1148570

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

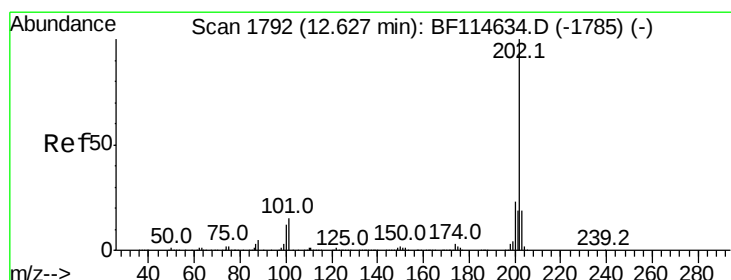
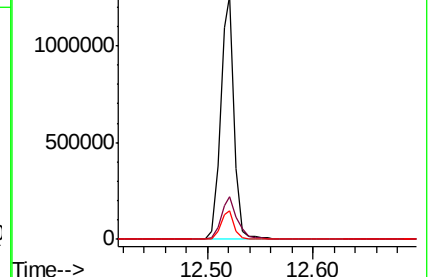
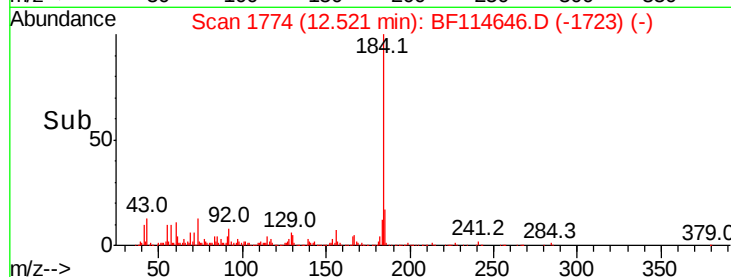
183 12.0 9.4 14.2



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: 43.204 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

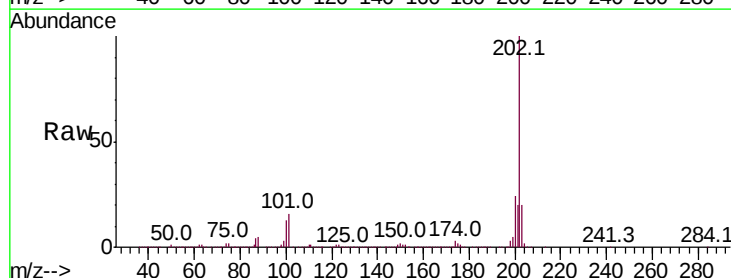
Tgt Ion:202 Resp: 3048758

Ion Ratio Lower Upper

202 100

200 23.7 18.6 28.0

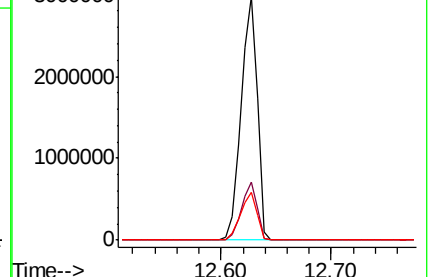
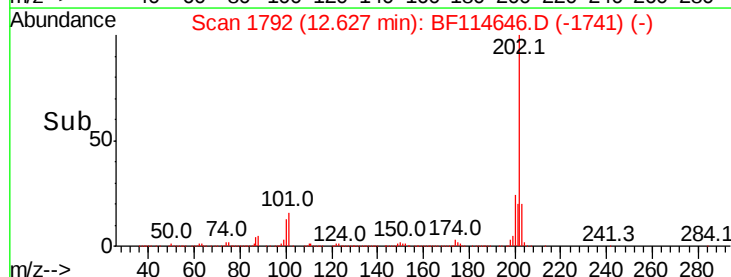
203 19.7 15.4 23.2

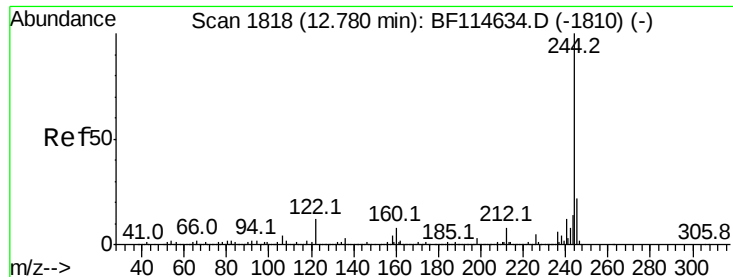


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 84.094 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

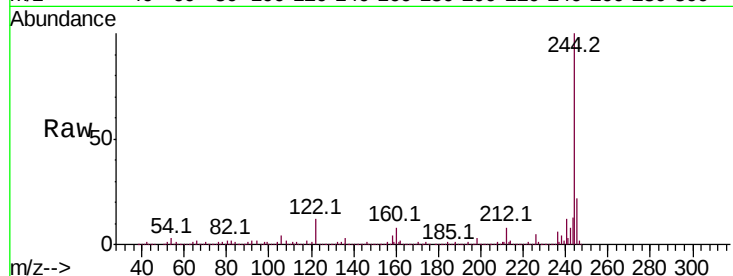
Tot Ion:244 Resp: 3731138

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

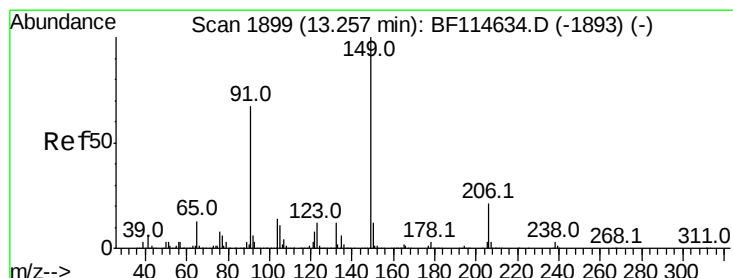
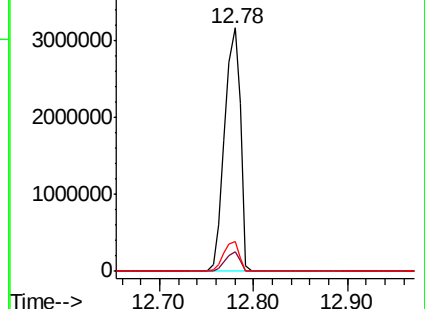
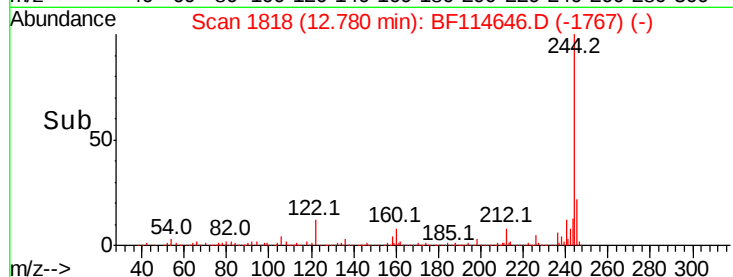
122 12.4 9.8 14.8



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: 45.913 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

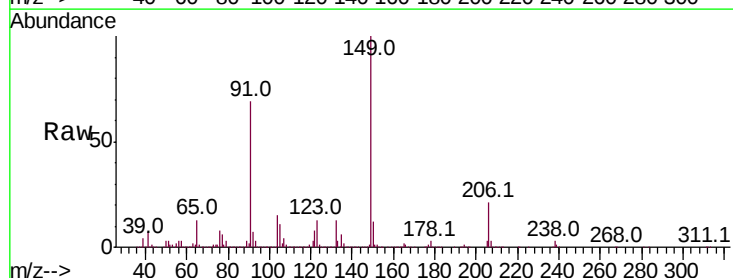
Tgt Ion:149 Resp: 1628284

Ion Ratio Lower Upper

149 100

91 68.9 53.8 80.8

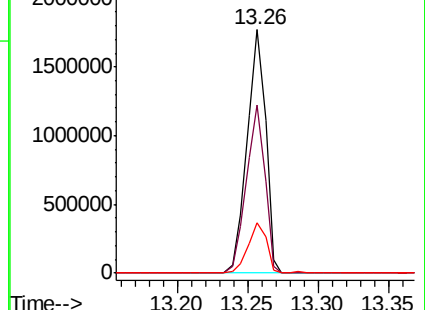
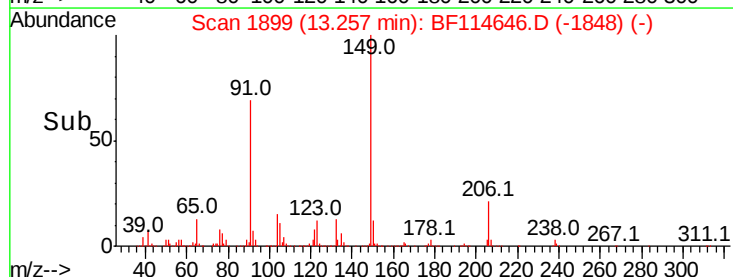
206 20.9 16.9 25.3

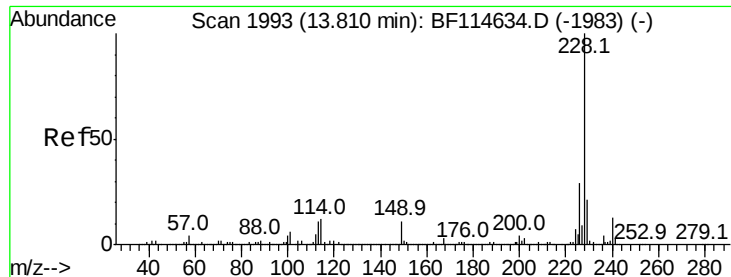


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.732 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

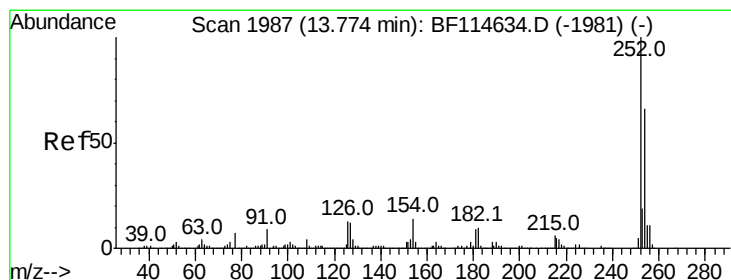
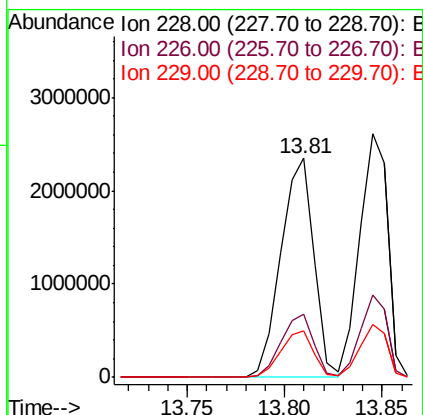
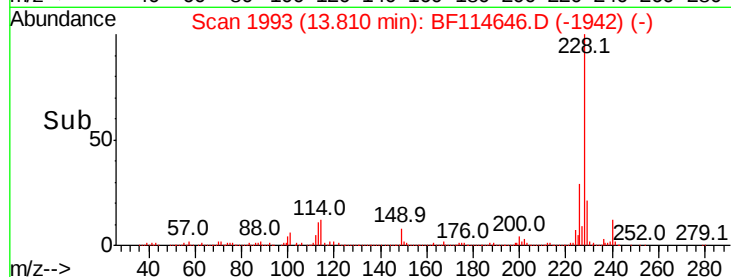
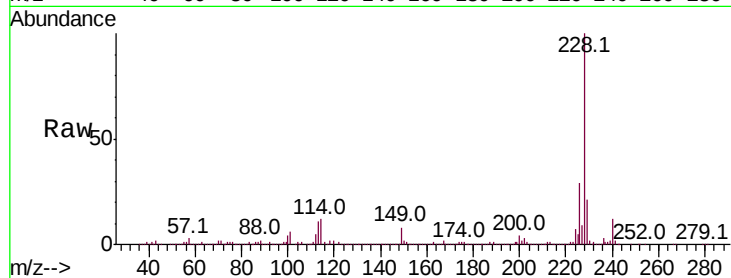
BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:228 Resp: 2739347

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.6
229	21.2	17.0	25.4



#82

3,3'-Dichlorobenzidine

Concen: 18.327 ng

RT: 13.77 min Scan# 1987

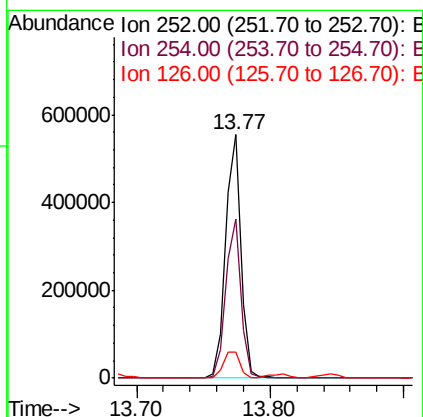
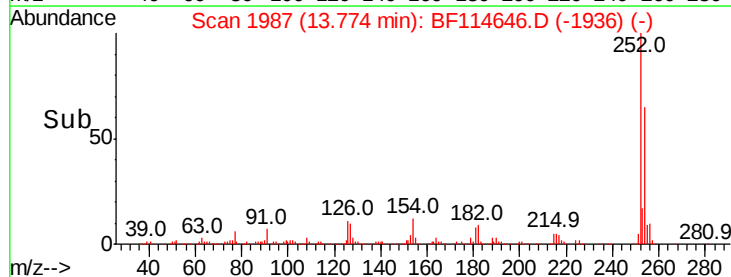
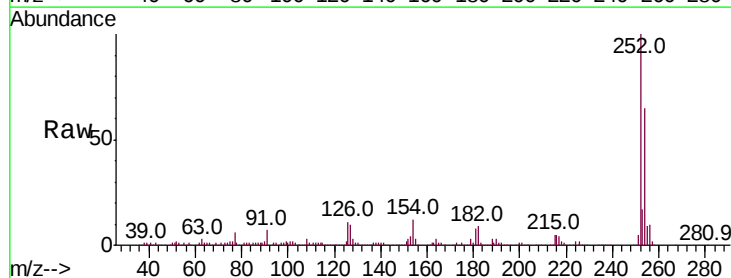
Delta R.T. -0.00 min

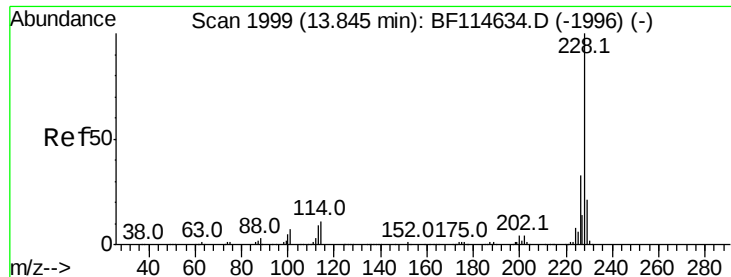
Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:252 Resp: 453705

Ion	Ratio	Lower	Upper
252	100		
254	65.1	53.1	79.7
126	10.9	10.2	15.2





#83

Chrysene

Concen: 42.535 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

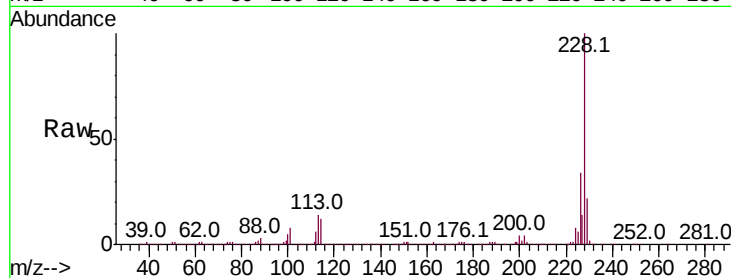
Tot Ion:228 Resp: 2605139

Ion Ratio Lower Upper

228 100

226 33.7 26.4 39.6

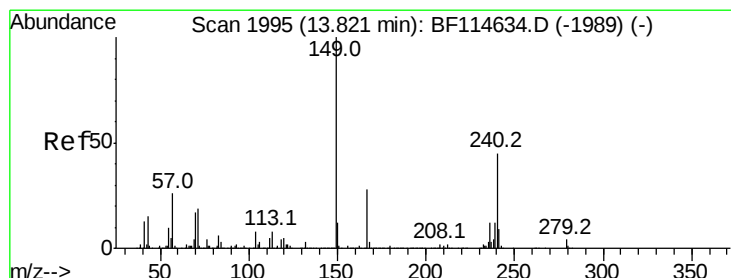
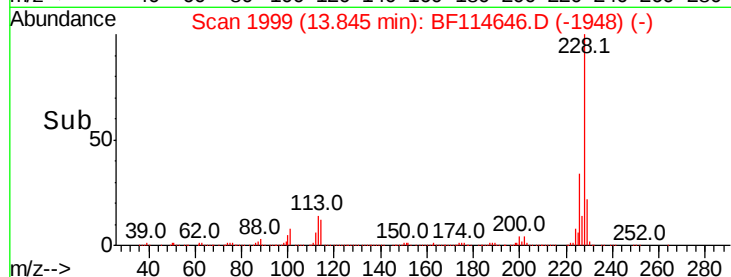
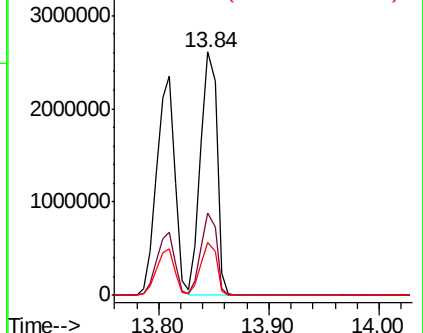
229 21.9 17.1 25.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.499 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

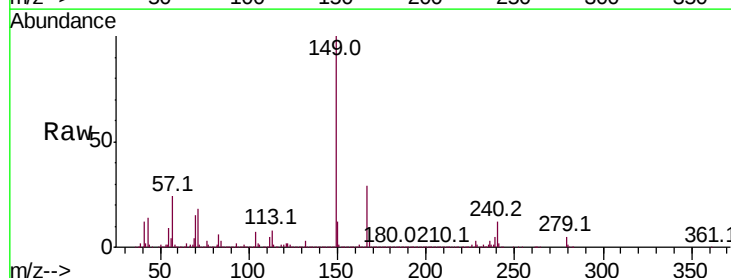
Tgt Ion:149 Resp: 2082555

Ion Ratio Lower Upper

149 100

167 28.9 22.6 33.8

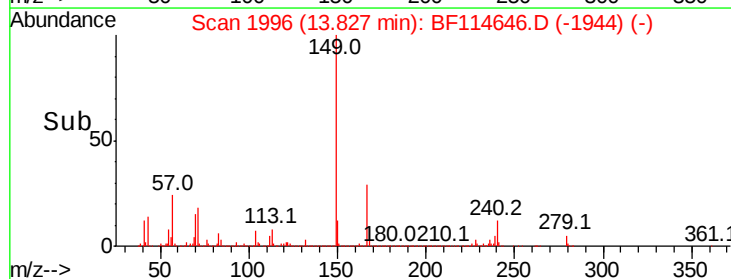
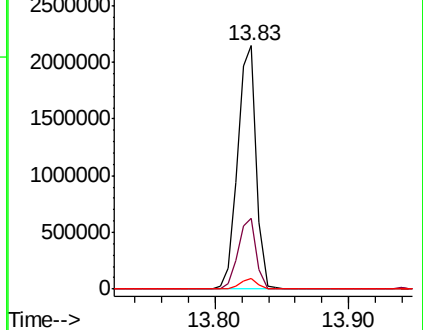
279 4.6 3.0 4.4#

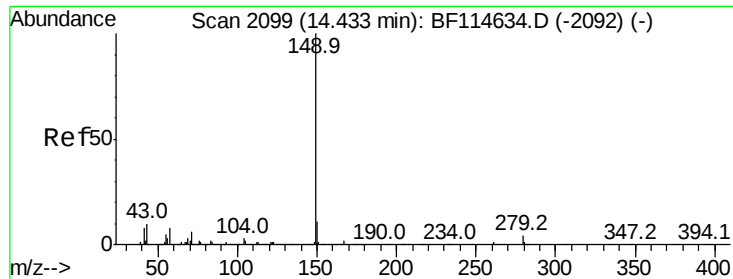


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.391 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

BNA_F

ClientSampleId :

B-4W(3-4)MSD

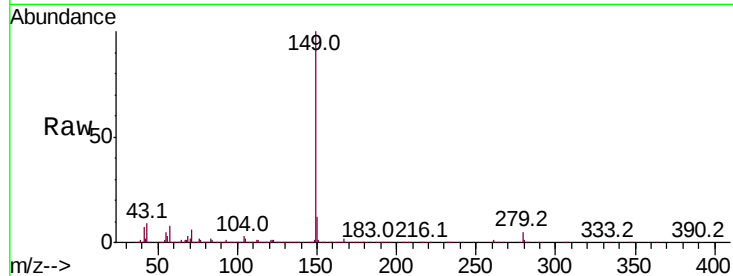
Tot Ion:149 Resp: 3533943

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

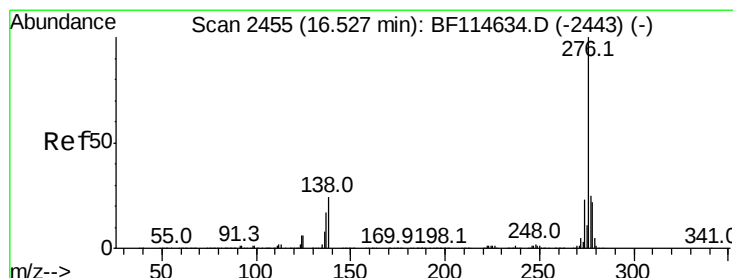
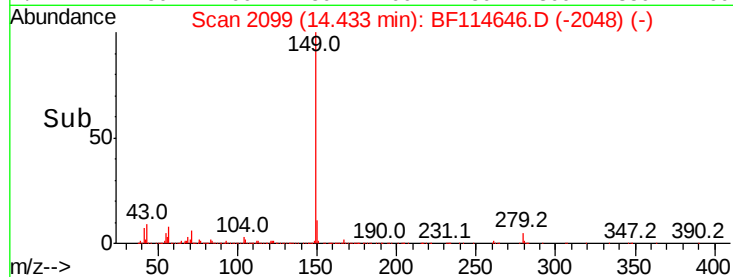
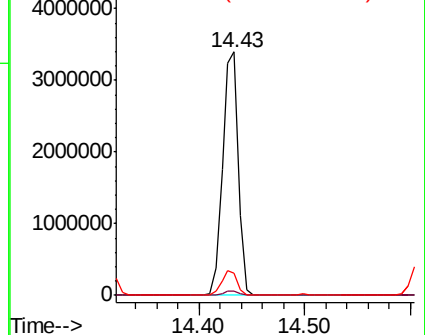
43 9.8 8.0 12.0



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: 42.051 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

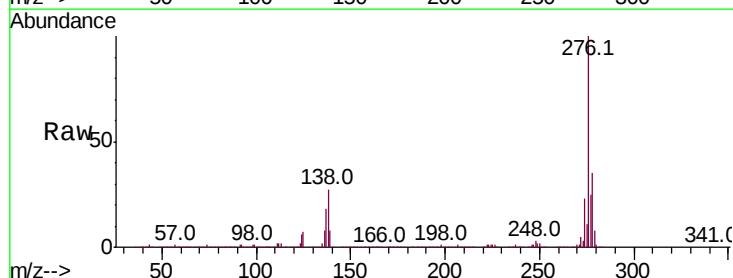
Tgt Ion:276 Resp: 2579518

Ion Ratio Lower Upper

276 100

138 28.9 23.0 34.6

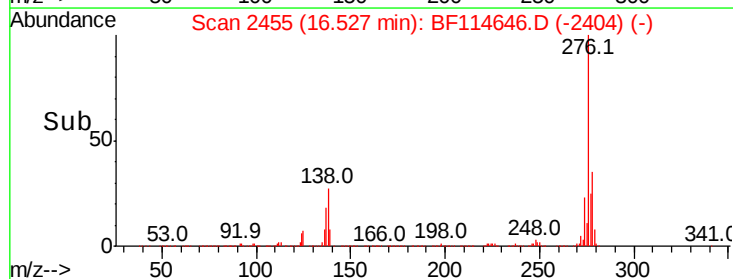
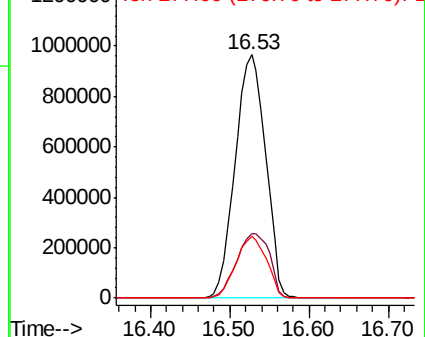
277 25.6 20.5 30.7

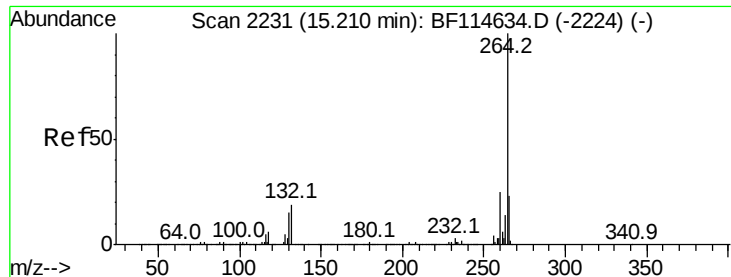


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Instrument :

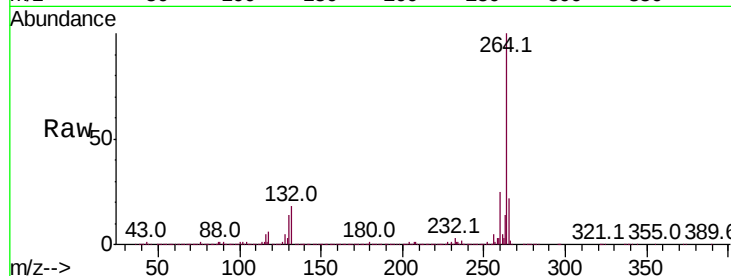
BNA_F

ClientSampleId :

B-4W(3-4)MSD

Tot Ion:264 Resp: 921087

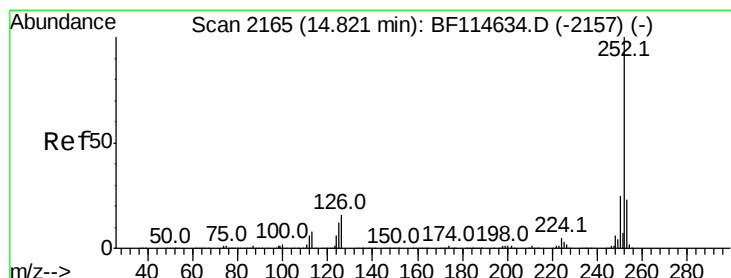
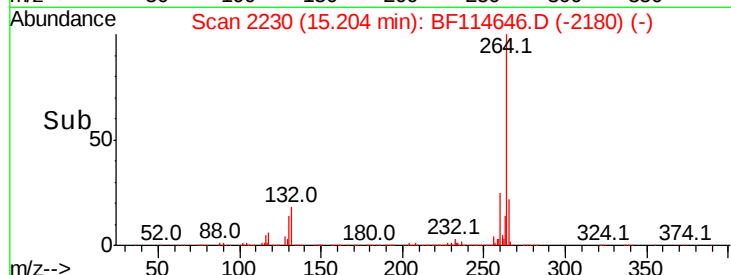
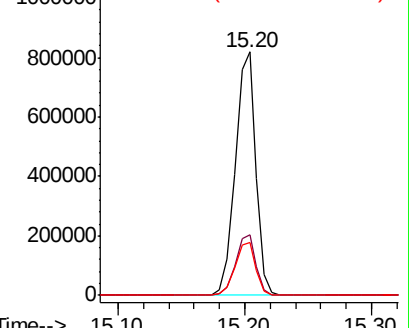
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.0	18.1	27.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 48.486 ng

RT: 14.82 min Scan# 2164

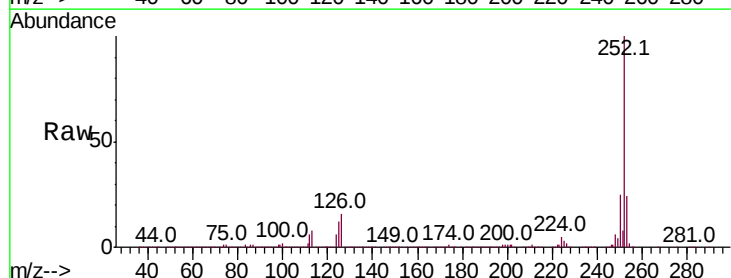
Delta R.T. -0.01 min

Lab File: BF114646.D

Acq: 29 May 2019 21:23

Tgt Ion:252 Resp: 2812865

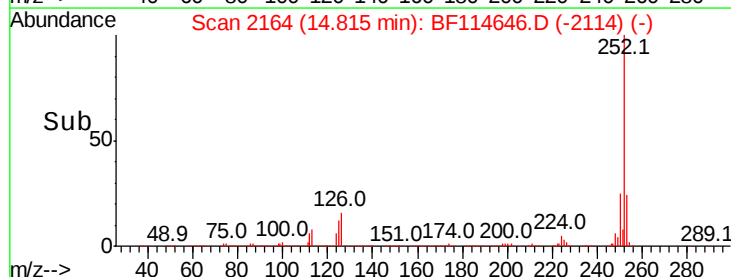
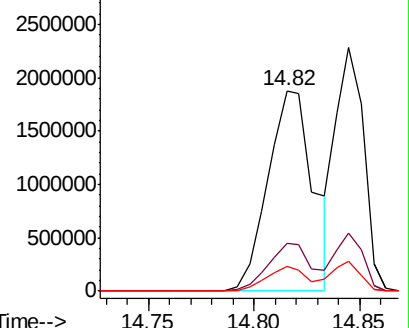
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	12.3	9.4	14.2

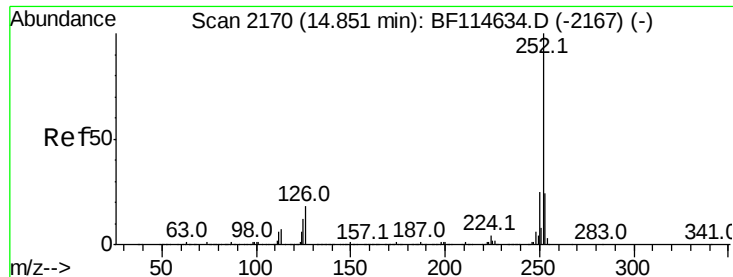


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

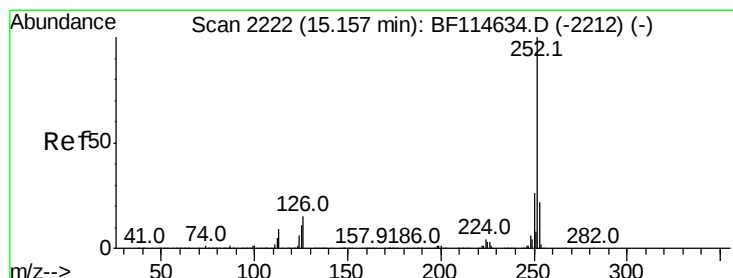
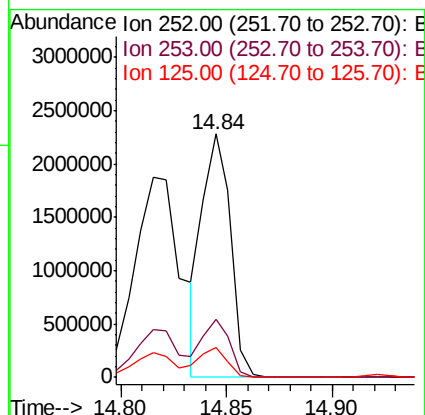
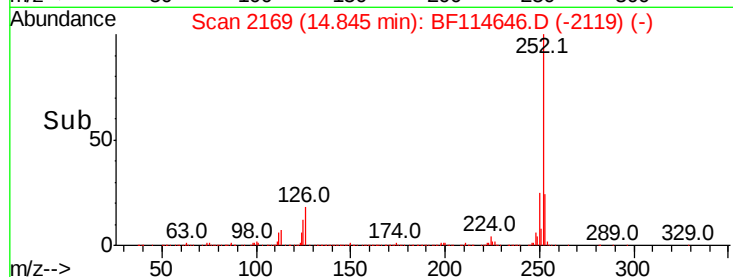
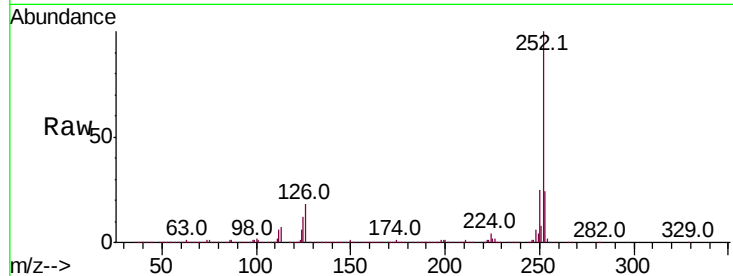




#89
Benzo(k)fluoranthene
Concen: 42.021 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

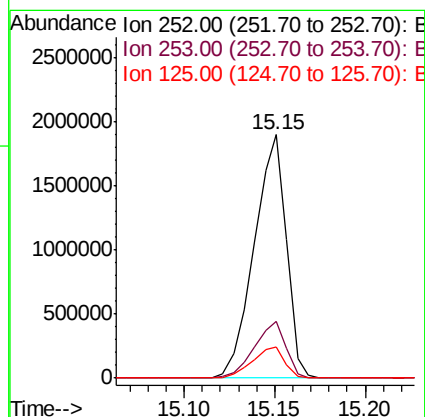
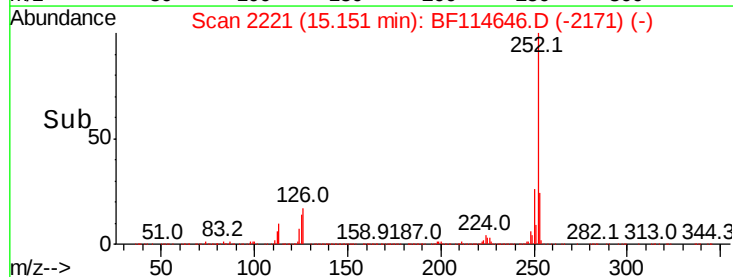
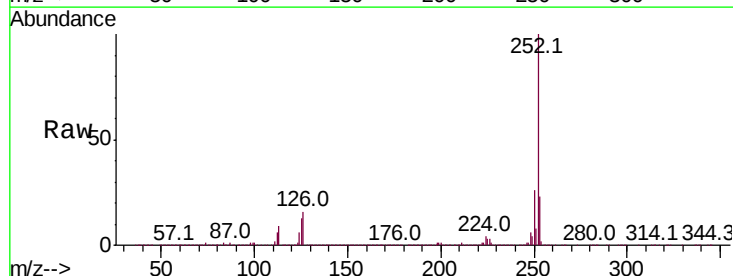
Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

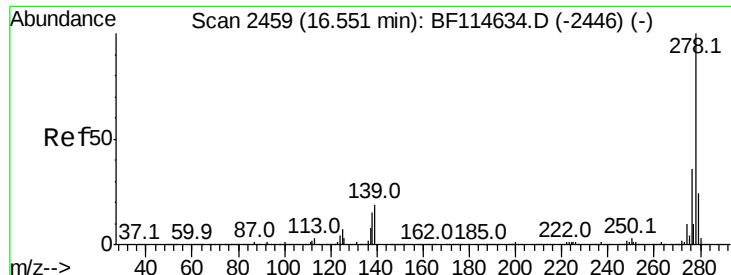
Tot Ion:252 Resp: 2118850
Ion Ratio Lower Upper
252 100
253 23.7 18.9 28.3
125 12.4 9.5 14.3



#90
Benzo(a)pyrene
Concen: 45.769 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:252 Resp: 2332577
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 12.9 9.2 13.8

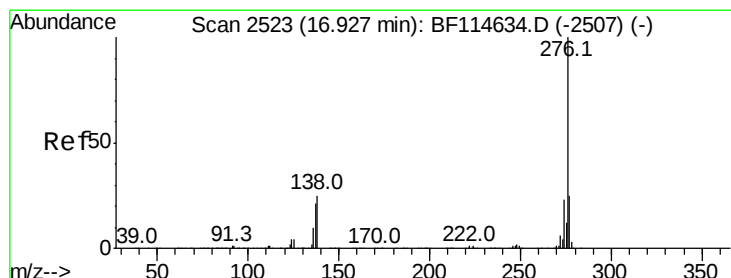
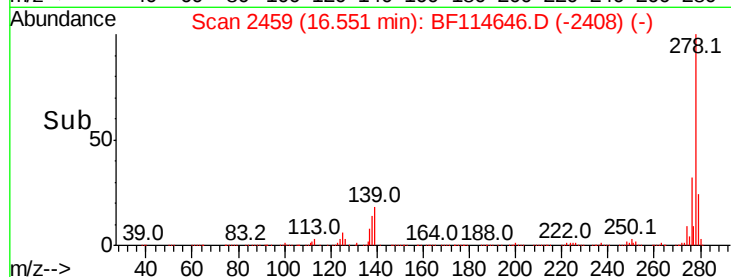
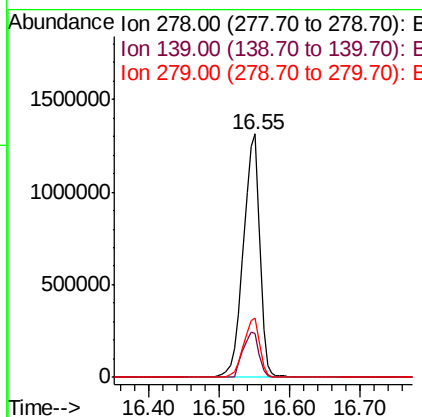
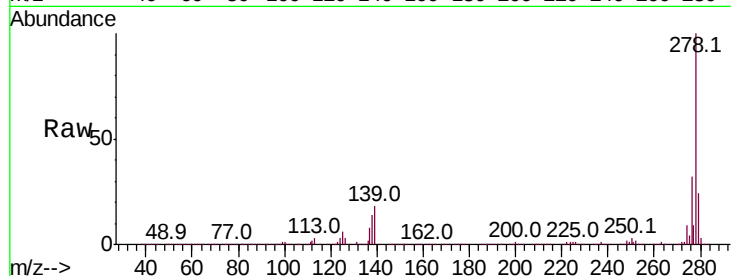




#91
Dibenzo(a,h)anthracene
Concen: 47.400 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Instrument :
BNA_F
ClientSampleId :
B-4W(3-4)MSD

Tot Ion:278 Resp: 2134664
Ion Ratio Lower Upper
278 100
139 18.0 14.9 22.3
279 24.2 19.5 29.3



#92
Benzo(g,h,i)perylene
Concen: 49.407 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114646.D
Acq: 29 May 2019 21:23

Tgt Ion:276 Resp: 2159564
Ion Ratio Lower Upper
276 100
277 24.5 19.7 29.5
138 25.2 19.8 29.8

