

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116692.D
 Acq On : 31 Aug 2019 12:02
 Operator : HP/JU
 Sample : K4517-15MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

Quant Time: Aug 31 16:02:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	106192	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	421870	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	213768	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	365670	20.00	ng	0.00
76) Chrysene-d12	14.00	240	274874	20.00	ng	0.00
87) Perylene-d12	15.45	264	265890	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	708599	108.10	ng	0.00
7) Phenol-d6	6.48	99	994768	115.57	ng	0.00
23) Nitrobenzene-d5	7.41	82	637281	86.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	191094	133.72	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	761651	60.10	ng	0.00
79) Terphenyl-d14	12.94	244	786953	52.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.62	88	109996	36.352	ng	99
3) Pyridine	3.37	79	278326	31.769	ng	93
4) n-Nitrosodimethylamine	3.30	42	114386	38.021	ng	84
6) Aniline	6.51	93	298624	25.050	ng	96
8) 2-Chlorophenol	6.63	128	302698	42.303	ng	97
9) Benzaldehyde	6.39	77	208103	36.699	ng	98
10) Phenol	6.49	94	415749	43.621	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	291356	39.260	ng	98
12) 1,3-Dichlorobenzene	6.79	146	313126	38.719	ng	95
13) 1,4-Dichlorobenzene	6.86	146	312845	38.856	ng	97
14) 1,2-Dichlorobenzene	7.02	146	297979	39.936	ng	98
15) Benzyl Alcohol	6.99	79	285130	40.810	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.12	45	324455	37.264	ng	99
17) 2-Methylphenol	7.10	107	252703	40.342	ng	96
18) Hexachloroethane	7.36	117	119728	38.274	ng	89
19) n-Nitroso-di-n-propylamine	7.26	70	223312	39.404	ng	92
20) 3+4-Methylphenols	7.25	107	309577	42.506	ng	# 79
22) Acetophenone	7.25	105	419145	41.268	ng	98
24) Nitrobenzene	7.43	77	337003	44.839	ng	94
25) Isophorone	7.66	82	611080	40.808	ng	99
26) 2-Nitrophenol	7.75	139	148918	53.294	ng	89
27) 2,4-Dimethylphenol	7.78	122	268800	47.632	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	371805	40.631	ng	99
29) 2,4-Dichlorophenol	7.99	162	244157	45.020	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	240459	40.878	ng	95
31) Naphthalene	8.15	128	862837	43.012	ng	98
32) Benzoic acid	7.87	122	62650	19.662	ng	97
33) 4-Chloroaniline	8.19	127	128691	14.093	ng	98
34) Hexachlorobutadiene	8.27	225	127668	39.805	ng	97
35) Caprolactam	8.56	113	52128	25.683	ng	90
36) 4-Chloro-3-methylphenol	8.67	107	288274	46.248	ng	99
37) 2-Methylnaphthalene	8.85	142	581997	43.604	ng	98
38) 1-Methylnaphthalene	8.94	142	546342	43.362	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	210009	40.982	ng	# 97

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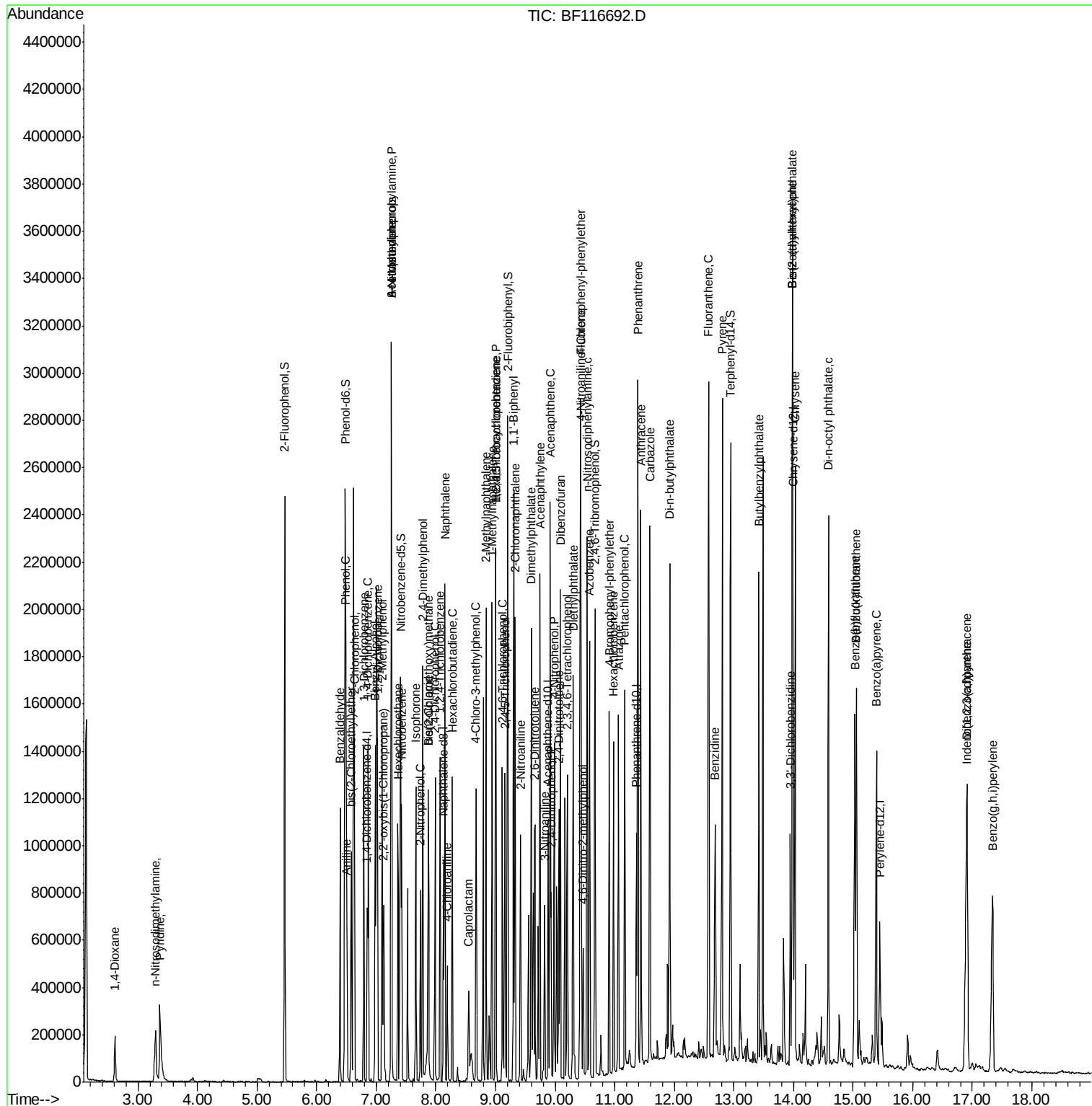
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	241270	81.533	ng	96
43) 2,4,6-Trichlorophenol	9.12	196	158735	45.188	ng	96
44) 2,4,5-Trichlorophenol	9.16	196	169382	46.446	ng	95
46) 1,1'-Biphenyl	9.30	154	680511	41.953	ng	97
47) 2-Chloronaphthalene	9.33	162	536231	41.738	ng	98
48) 2-Nitroaniline	9.42	65	178290	48.001	ng	95
49) Acenaphthylene	9.75	152	867260	44.656	ng	100
50) Dimethylphthalate	9.60	163	712666	48.289	ng	99
51) 2,6-Dinitrotoluene	9.66	165	142481	50.600	ng	87
52) Acenaphthene	9.92	154	551985	46.258	ng	98
53) 3-Nitroaniline	9.83	138	104701	29.671	ng	94
54) 2,4-Dinitrophenol	9.93	184	76765	77.190	ng	90
55) Dibenzofuran	10.09	168	754558	44.856	ng	97
56) 4-Nitrophenol	9.99	139	257993	106.626	ng	87
57) 2,4-Dinitrotoluene	10.06	165	191047	55.488	ng	95
58) Fluorene	10.43	166	591357	46.136	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	132221	50.236	ng	96
60) Diethylphthalate	10.30	149	639667	43.269	ng	99
61) 4-Chlorophenyl-phenylether	10.42	204	247155	44.034	ng	95
62) 4-Nitroaniline	10.44	138	170656	49.833	ng	94
63) Azobenzene	10.58	77	684451	44.401	ng	96
65) 4,6-Dinitro-2-methylphenol	10.47	198	65984	48.841	ng	95
66) n-Nitrosodiphenylamine	10.54	169	528431	41.774	ng	98
67) 4-Bromophenyl-phenylether	10.91	248	149001	40.111	ng	97
68) Hexachlorobenzene	10.98	284	155575	40.029	ng	98
69) Atrazine	11.06	200	152290	42.985	ng	94
70) Pentachlorophenol	11.17	266	159839	85.016	ng	98
71) Phenanthrene	11.39	178	1041667	51.174	ng	99
72) Anthracene	11.44	178	917182	44.761	ng	100
73) Carbazole	11.59	167	869744	44.560	ng	99
74) Di-n-butylphthalate	11.93	149	1047568	41.865	ng	100
75) Fluoranthene	12.57	202	1166055	58.290	ng	96
77) Benzidine	12.69	184	359340	33.330	ng	99
78) Pyrene	12.80	202	1154423	47.246	ng	99
80) Butylbenzylphthalate	13.42	149	469760	39.534	ng	98
81) Benzo(a)anthracene	13.99	228	831848	47.816	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	176550	30.030	ng	# 97
83) Chrysene	14.03	228	844905	47.141	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	630575	42.990	ng	98
85) Di-n-octyl phthalate	14.59	149	1126838	46.945	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	716940	49.801	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	790792	49.193	ng	# 98
89) Benzo(k)fluoranthene	15.06	252	622858	42.495	ng	# 97
90) Benzo(a)pyrene	15.39	252	661957	47.331	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	552129	45.102	ng	# 95
92) Benzo(g,h,i)perylene	17.34	276	622211	49.836	ng	# 94

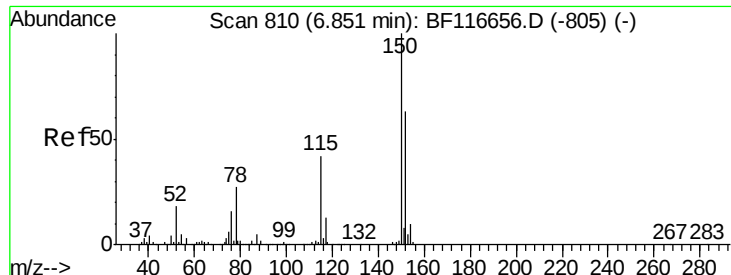
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

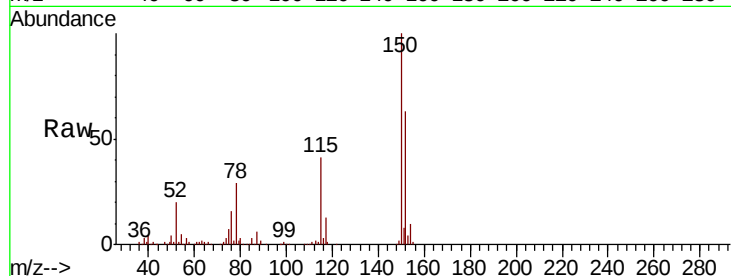
Tot Ion:152 Resp: 106192

Ion Ratio Lower Upper

152 100

150 159.4 124.4 186.6

115 65.5 49.9 74.9

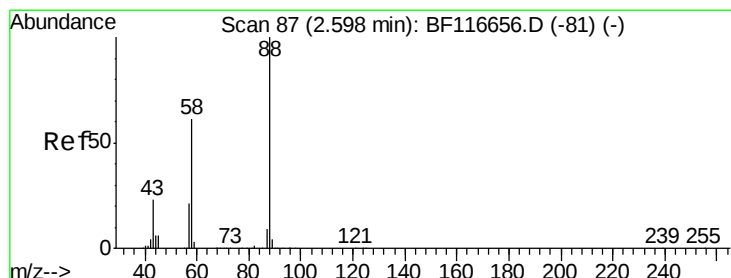
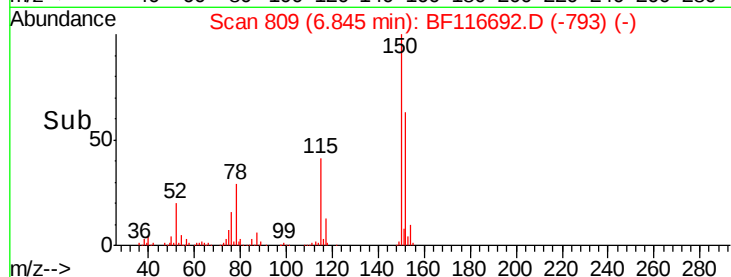
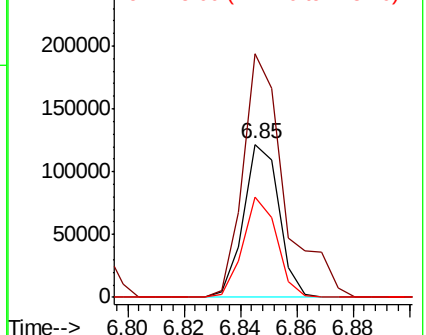


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.352 ng

RT: 2.62 min Scan# 90

Delta R.T. 0.02 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

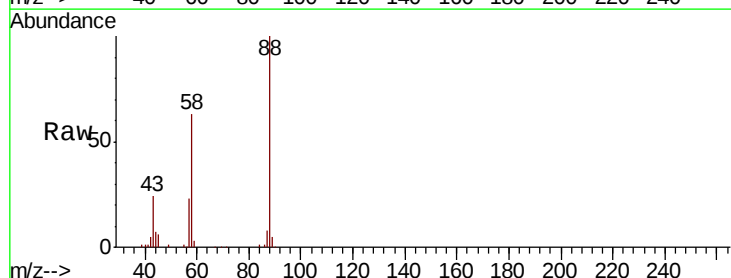
Tgt Ion: 88 Resp: 109996

Ion Ratio Lower Upper

88 100

58 65.7 51.7 77.5

43 24.7 19.8 29.8

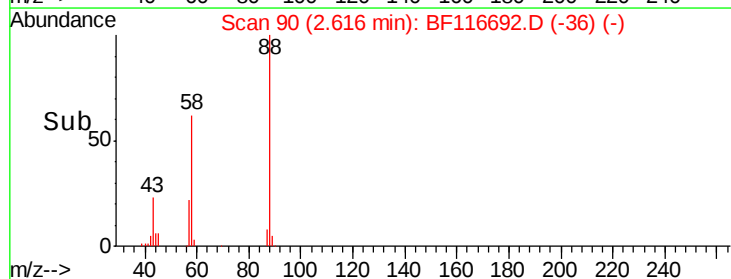
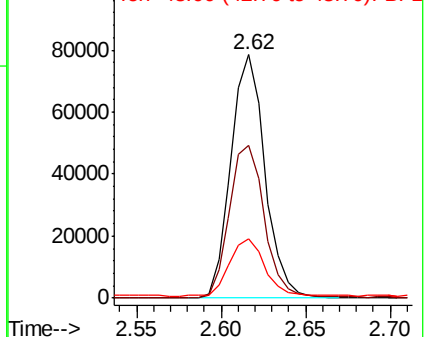


Abundance

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: 31.769 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.02 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

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ClientSampleId :

T4-S-CMSD

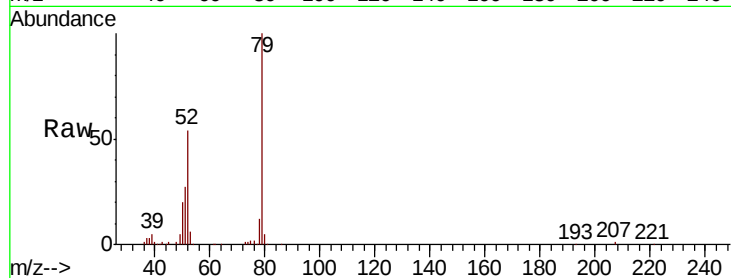
Tot Ion: 79 Resp: 278326

Ion Ratio Lower Upper

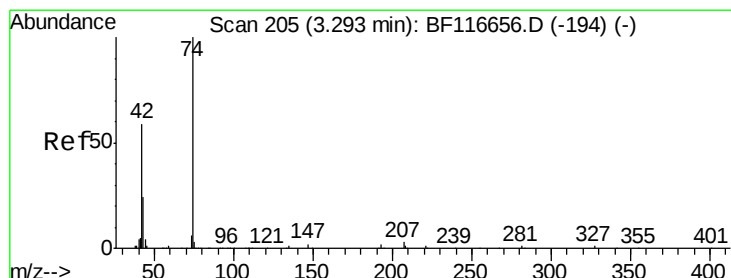
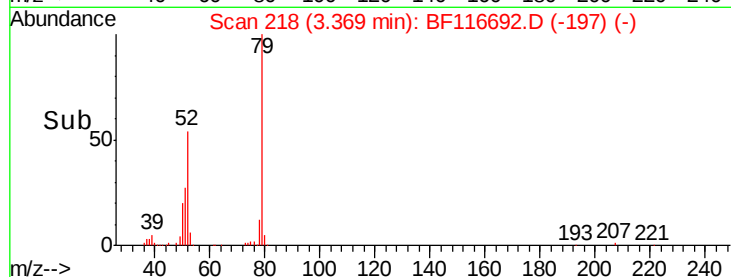
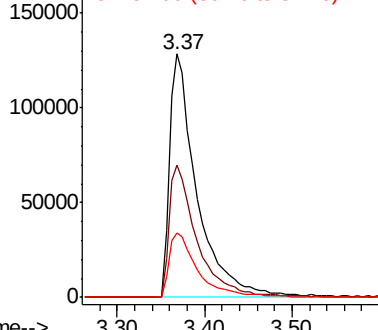
79 100

52 54.2 47.4 71.0

51 26.6 24.1 36.1



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: 38.021 ng

RT: 3.30 min Scan# 206

Delta R.T. 0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

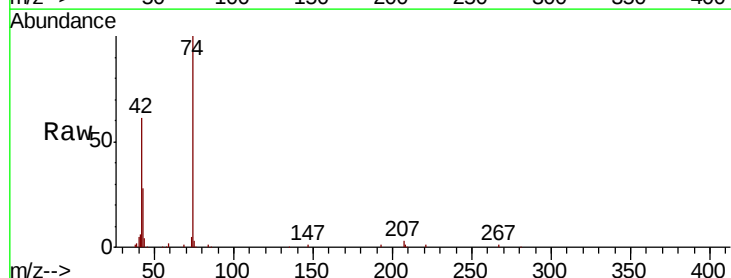
Tgt Ion: 42 Resp: 114386

Ion Ratio Lower Upper

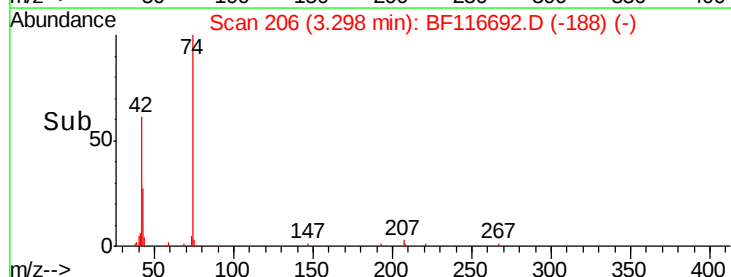
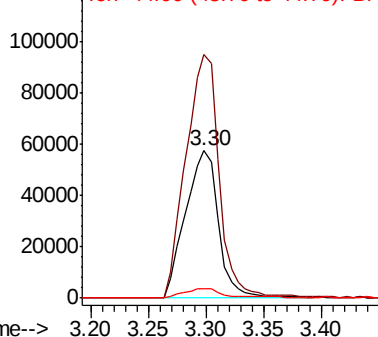
42 100

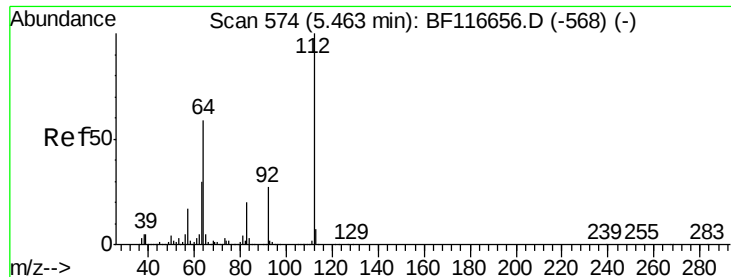
74 165.1 115.6 173.4

44 6.3 4.6 7.0



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: 108.103 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

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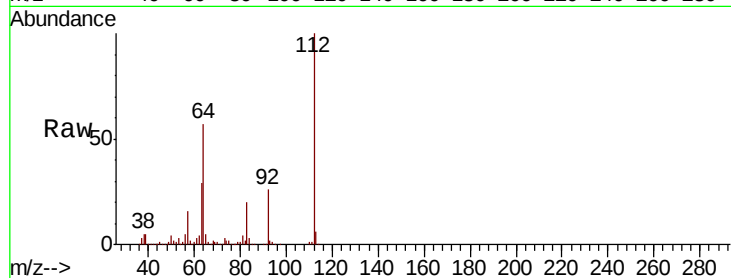
Tot Ion:112 Resp: 708599

Ion Ratio Lower Upper

112 100

64 56.9 47.1 70.7

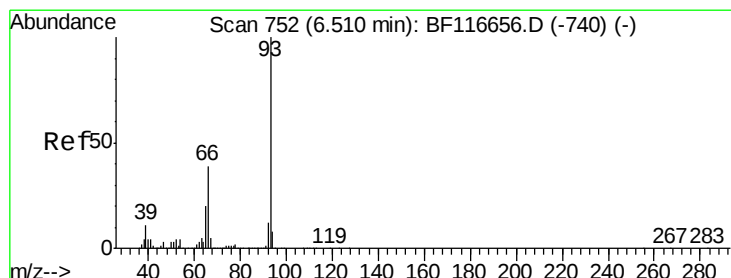
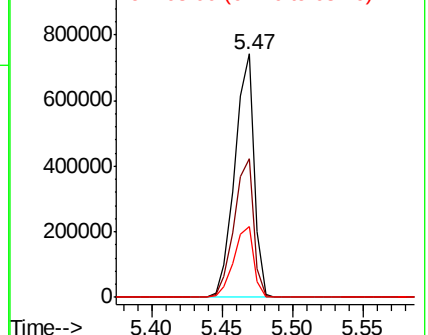
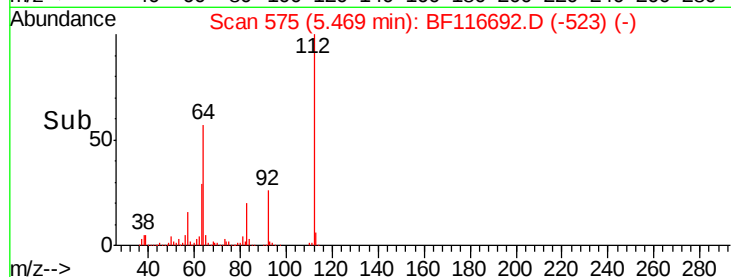
63 29.1 24.9 37.3



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: 25.050 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

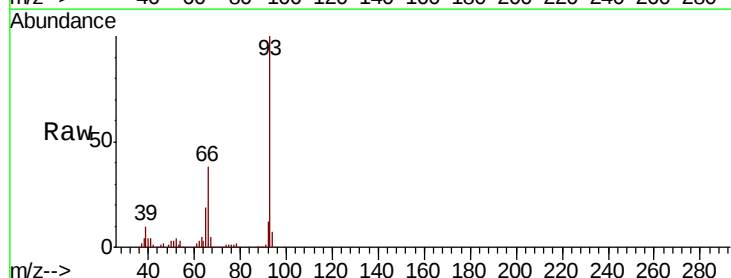
Tgt Ion: 93 Resp: 298624

Ion Ratio Lower Upper

93 100

66 38.1 32.7 49.1

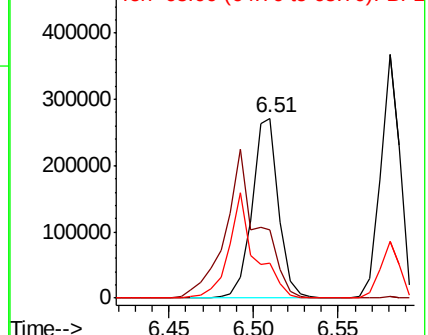
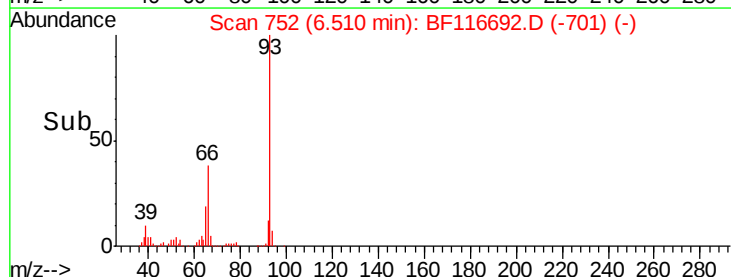
65 19.1 16.3 24.5



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: 115.574 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

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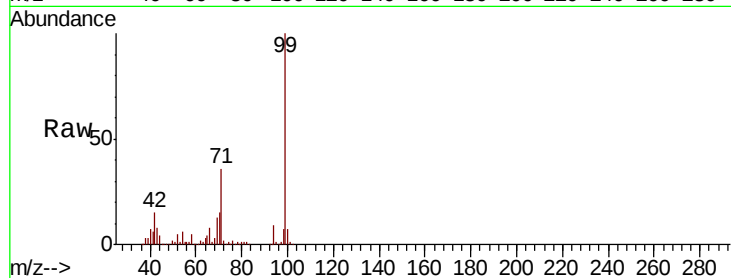
Tot Ion: 99 Resp: 994768

Ion Ratio Lower Upper

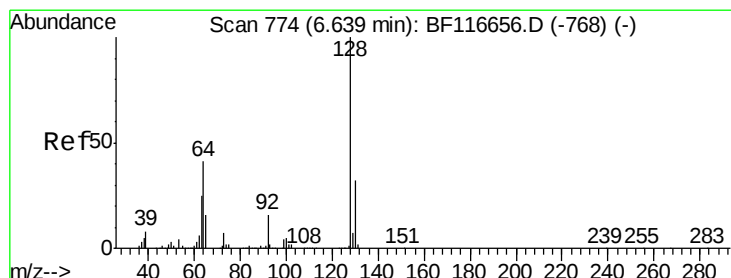
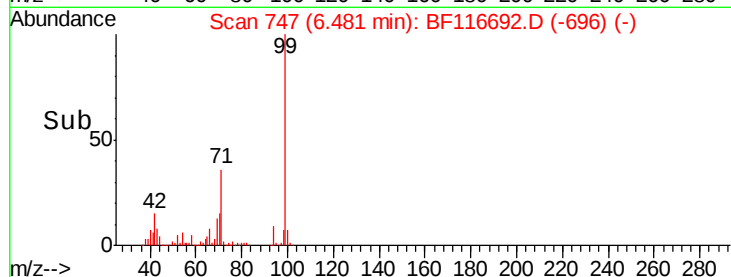
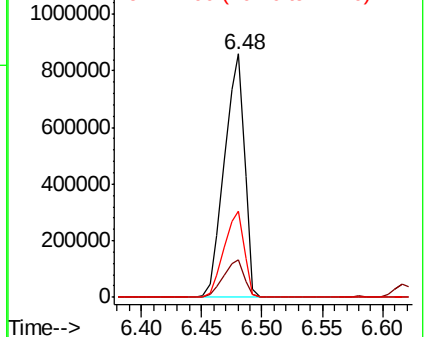
99 100

42 15.3 13.7 20.5

71 35.5 30.8 46.2



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



#8

2-Chlorophenol

Concen: 42.303 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

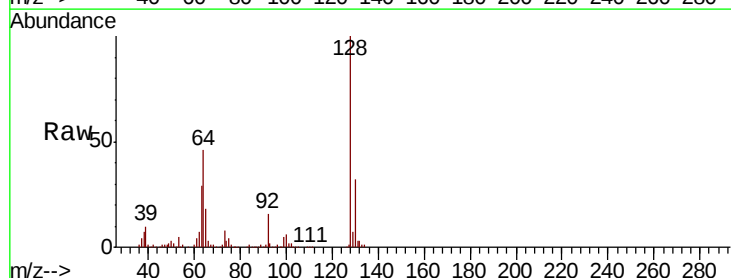
Tgt Ion: 128 Resp: 302698

Ion Ratio Lower Upper

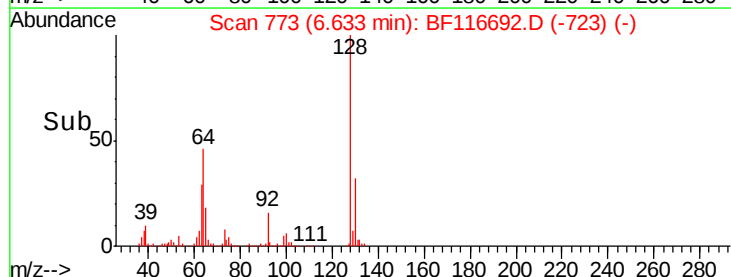
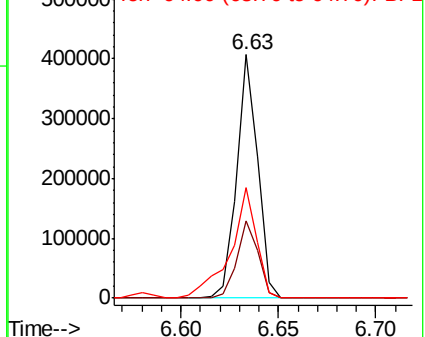
128 100

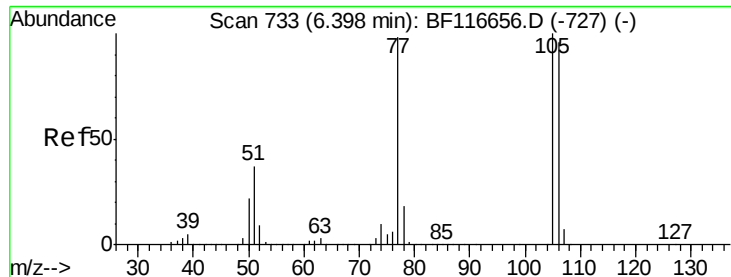
130 31.5 12.3 52.3

64 45.6 22.5 62.5



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





#9

Benzaldehyde

Concen: 36.699 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

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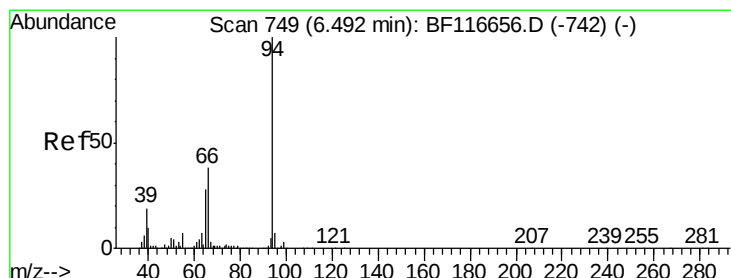
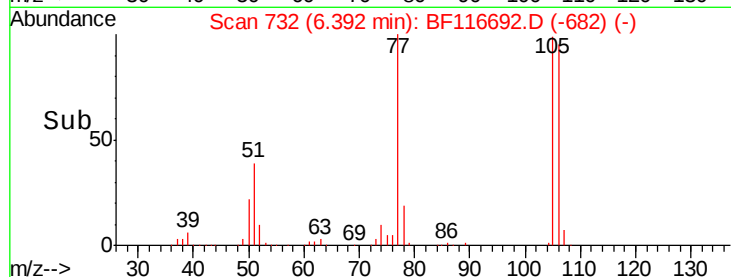
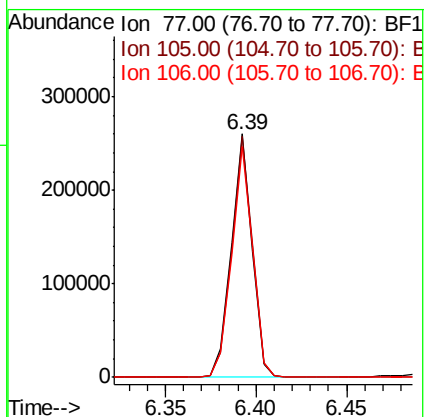
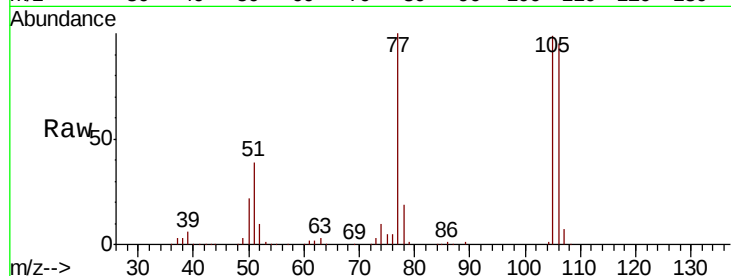
Tot Ion: 77 Resp: 208103

Ion Ratio Lower Upper

77 100

105 98.9 76.7 116.7

106 95.0 73.1 113.1



#10

Phenol

Concen: 43.621 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

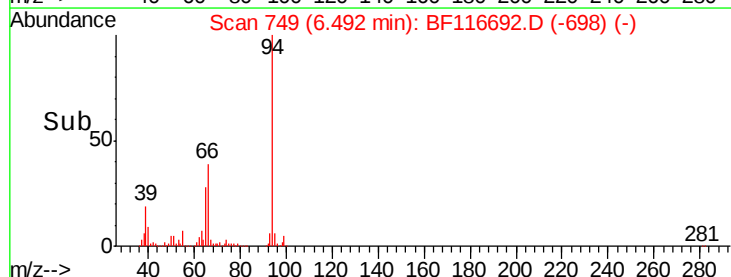
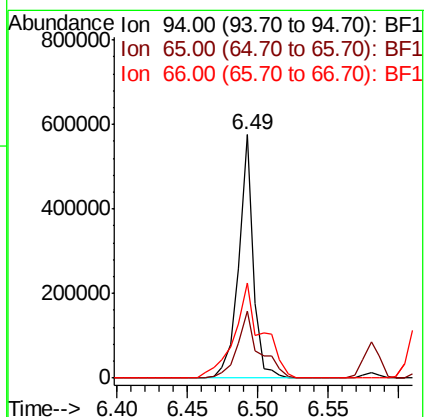
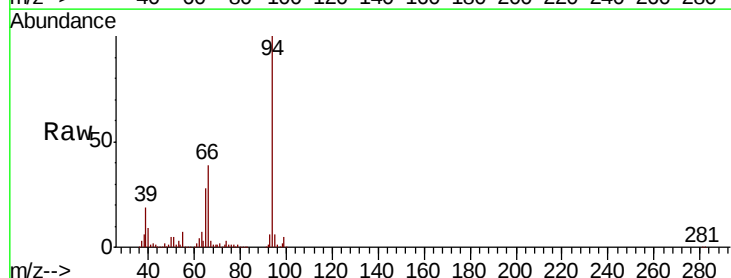
Tgt Ion: 94 Resp: 415749

Ion Ratio Lower Upper

94 100

65 27.7 10.8 50.8

66 39.0 21.1 61.1





#11

bis(2-Chloroethyl)ether

Concen: 39.260 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

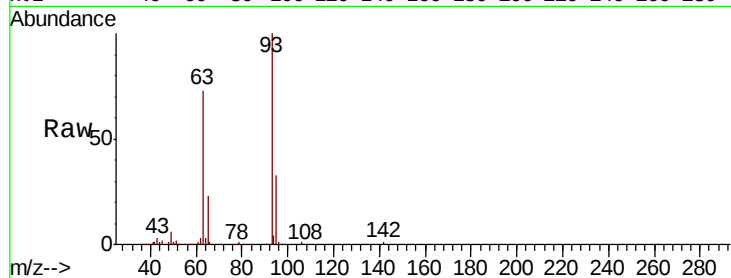
Tot Ion: 93 Resp: 291356

Ion Ratio Lower Upper

93 100

63 72.7 49.9 89.9

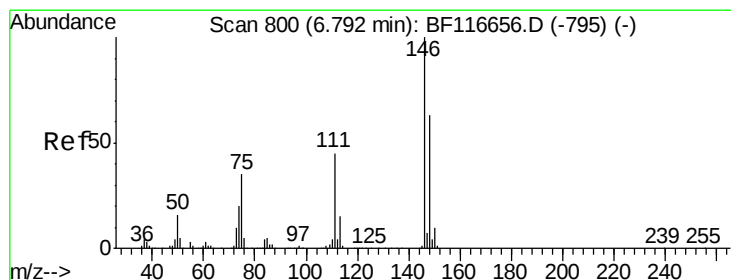
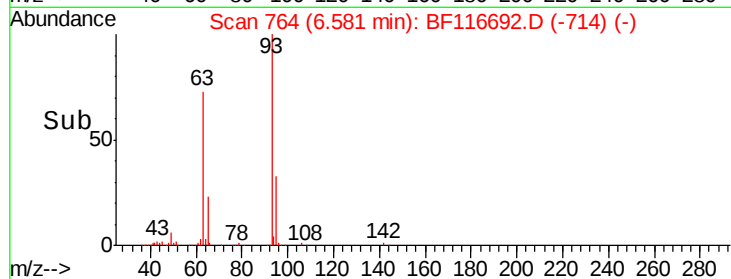
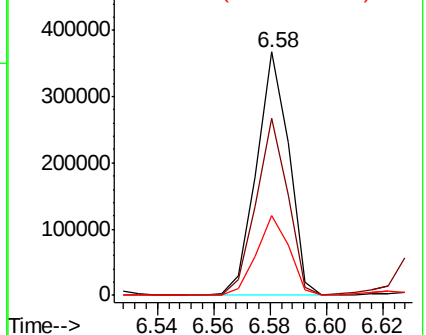
95 32.8 12.7 52.7



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 38.719 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

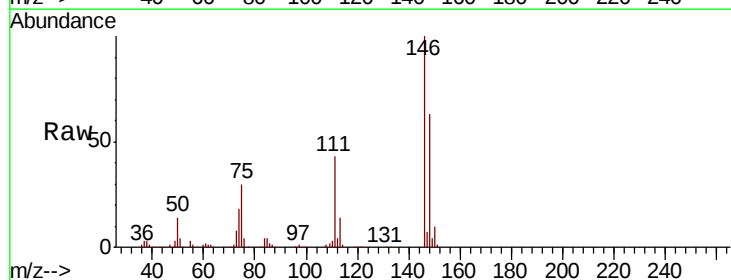
Tgt Ion: 146 Resp: 313126

Ion Ratio Lower Upper

146 100

148 63.1 51.4 77.0

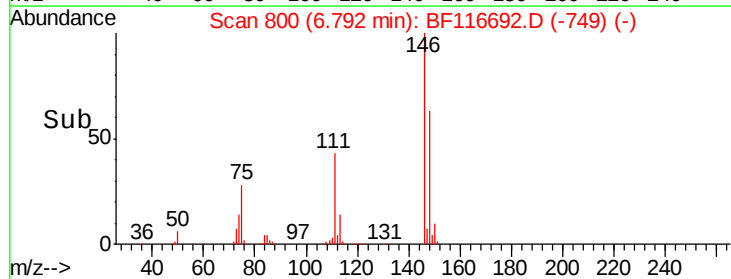
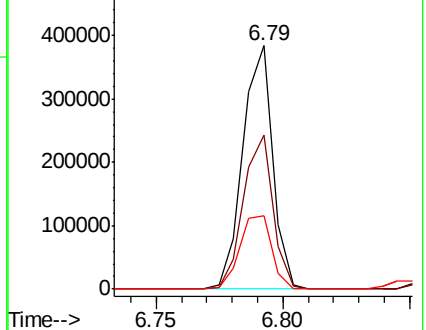
75 30.2 29.6 44.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 38.856 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

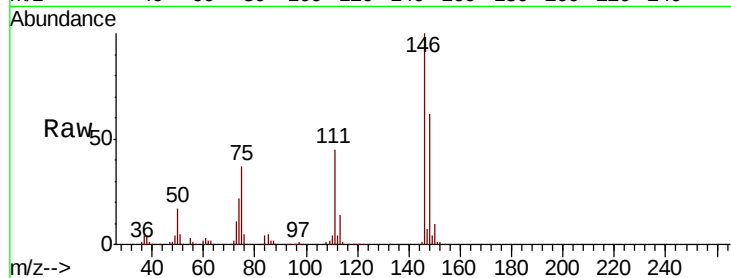
Tot Ion:146 Resp: 312845

Ion Ratio Lower Upper

146 100

148 62.0 51.4 77.2

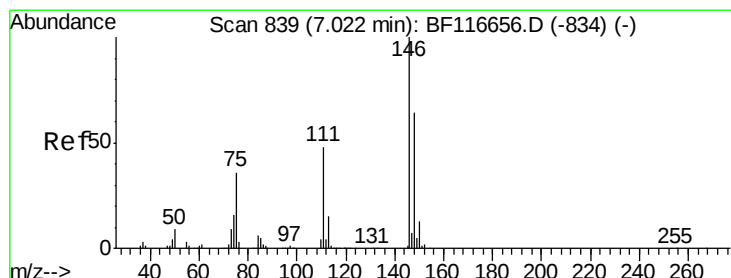
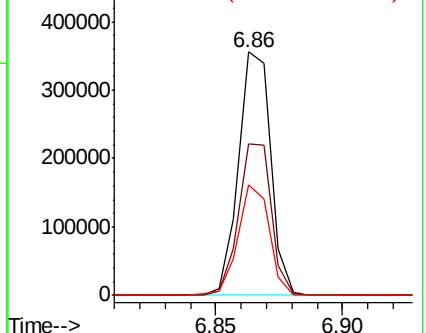
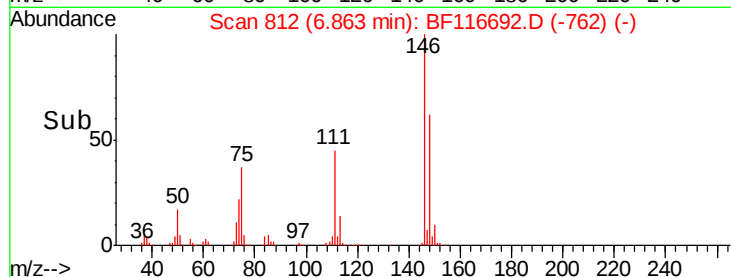
111 45.4 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.936 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

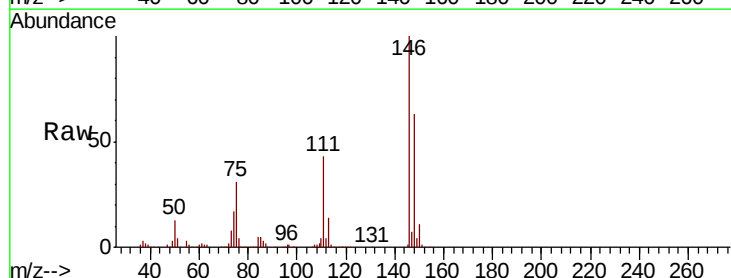
Tgt Ion:146 Resp: 297979

Ion Ratio Lower Upper

146 100

148 63.0 52.6 78.8

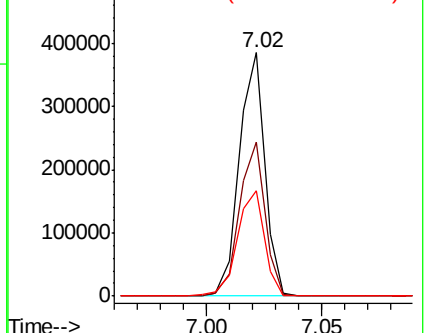
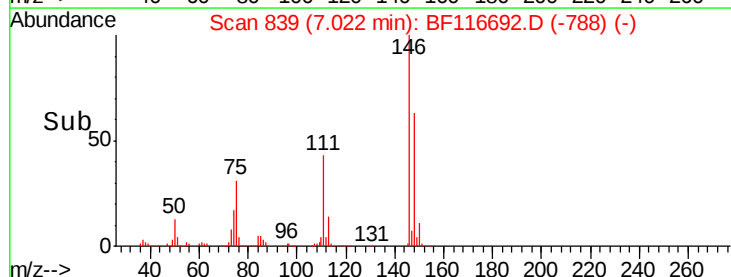
111 43.2 34.2 51.4

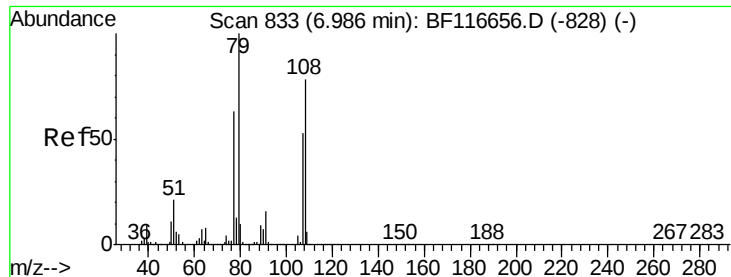


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.810 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

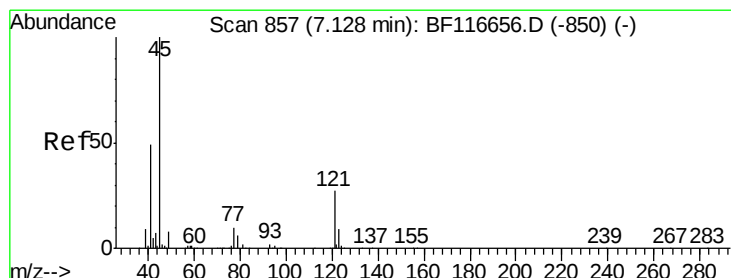
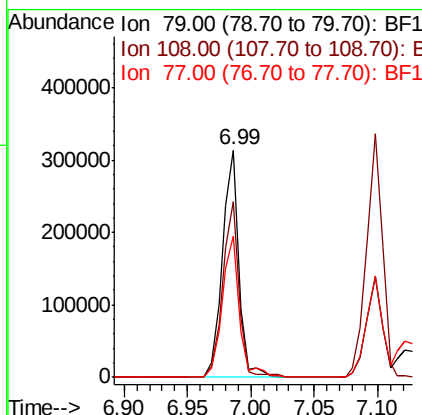
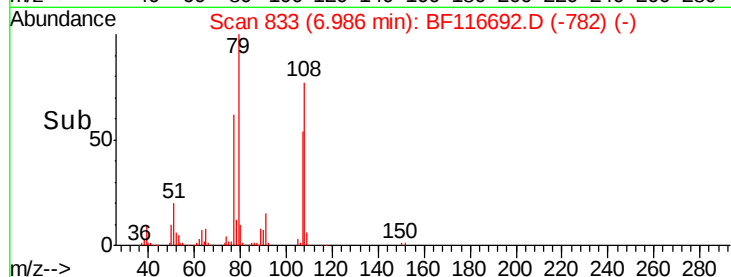
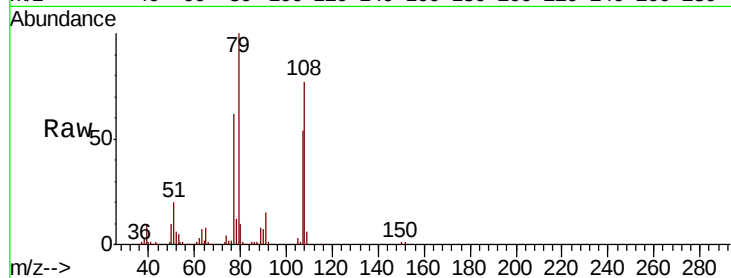
Tot Ion: 79 Resp: 285130

Ion Ratio Lower Upper

79 100

108 77.1 59.2 88.8

77 62.4 53.0 79.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.264 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

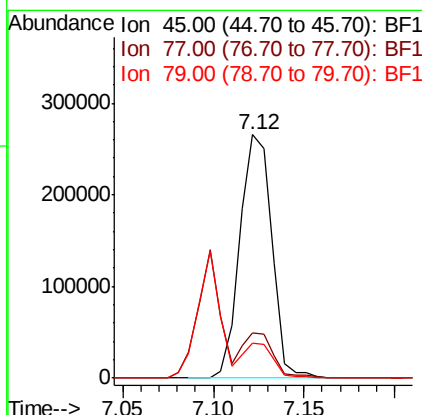
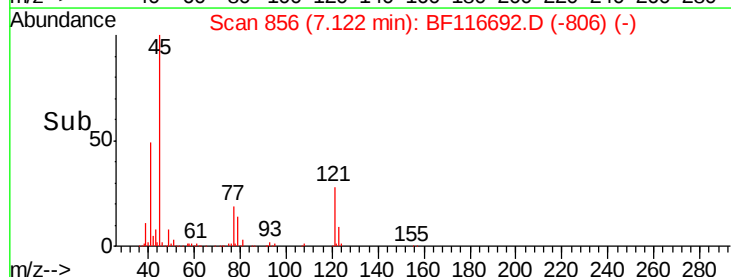
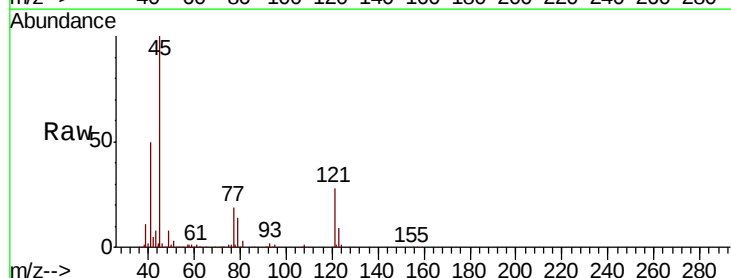
Tgt Ion: 45 Resp: 324455

Ion Ratio Lower Upper

45 100

77 18.7 0.0 38.2

79 14.1 0.0 33.9





#17

2-Methylphenol

Concen: 40.342 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

Tot Ion:107 Resp: 252703

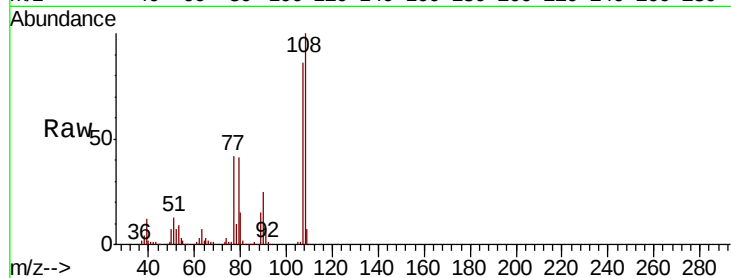
Ion Ratio Lower Upper

107 100

108 115.7 88.3 132.5

77 48.3 39.9 59.9

79 47.6 39.8 59.8

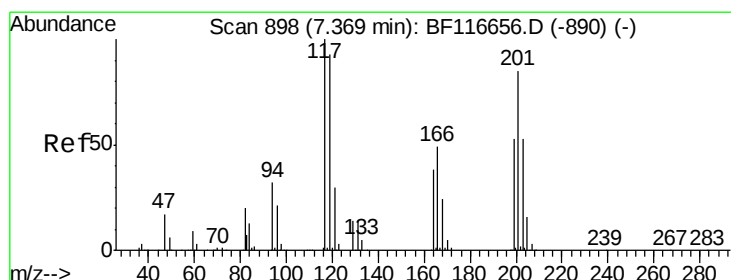
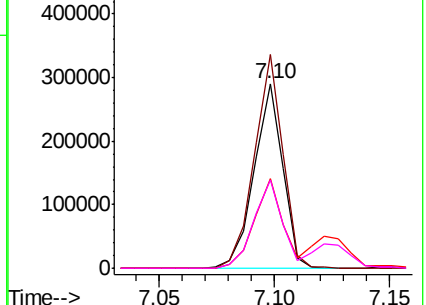
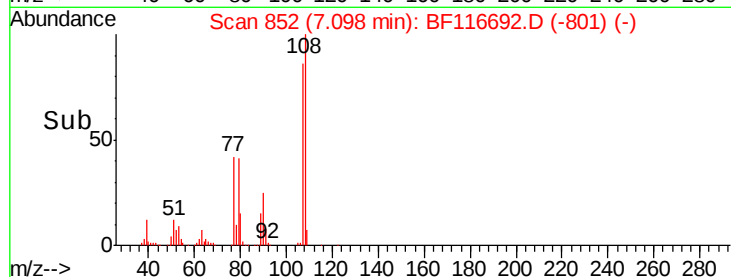


Abundance Ion 107.00 (106.70 to 107.70): E

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: 38.274 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

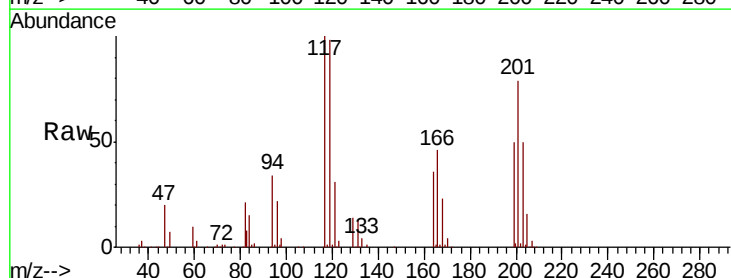
Tgt Ion:117 Resp: 119728

Ion Ratio Lower Upper

117 100

119 98.3 76.9 115.3

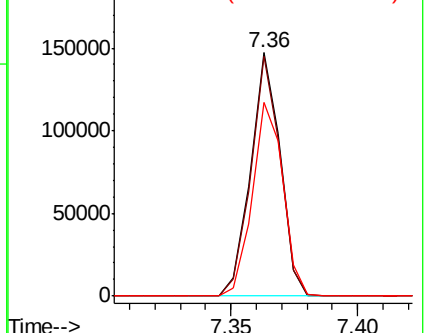
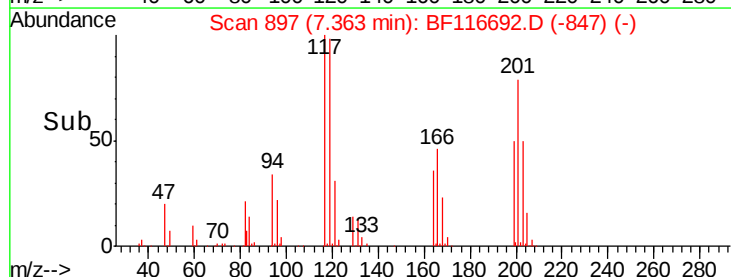
201 79.4 79.4 119.0

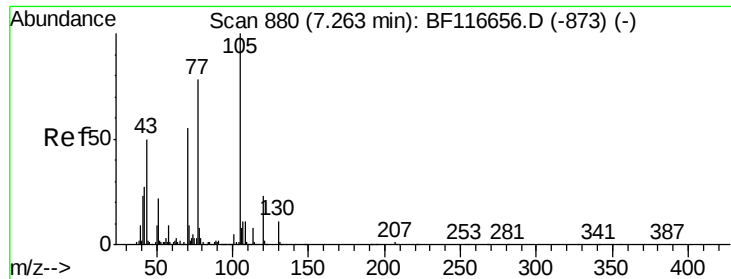


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

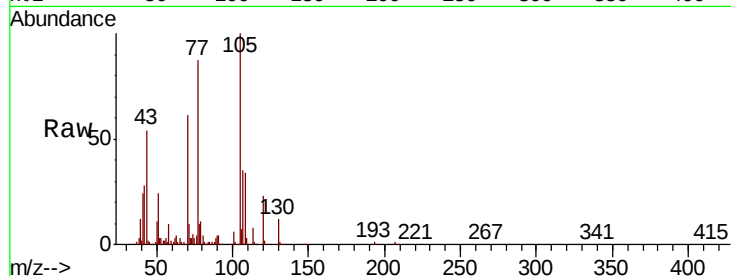




#19
n-Nitroso-di-n-propylamine
Concen: 39.404 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:	70	Resp:	223312
Ion	Ratio	Lower	Upper
70	100		
42	46.4	43.5	65.3
101	9.6	7.8	11.6
130	19.8	16.6	24.8



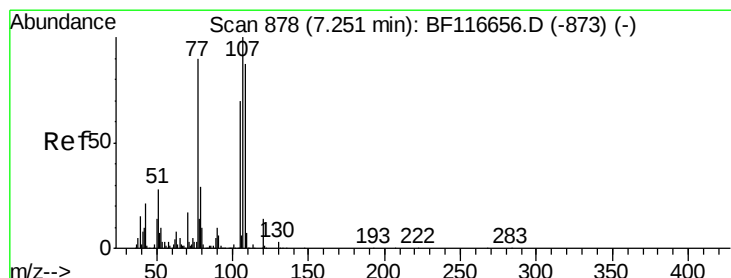
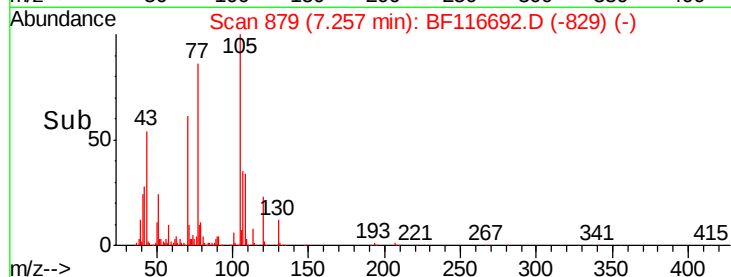
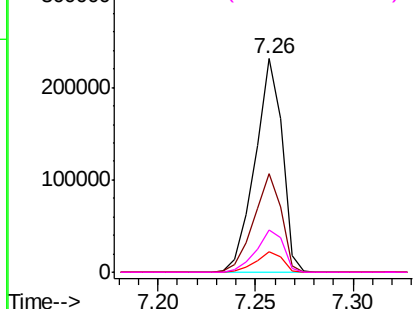
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

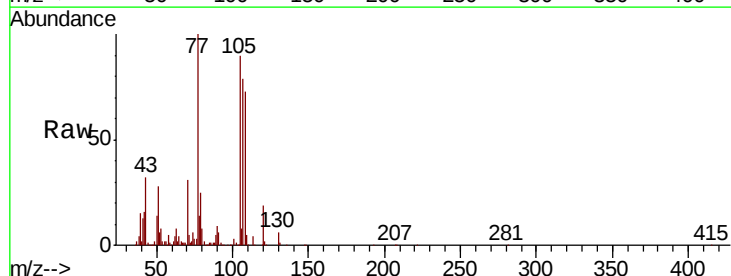
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 42.506 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:	107	Resp:	309577
Ion	Ratio	Lower	Upper
107	100		
108	91.8	65.5	105.5
77	126.6	69.4	109.4#
79	31.5	9.5	49.5



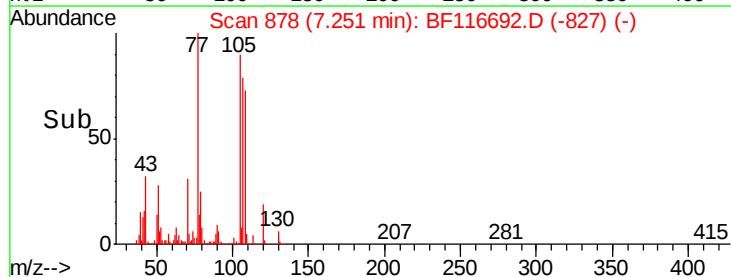
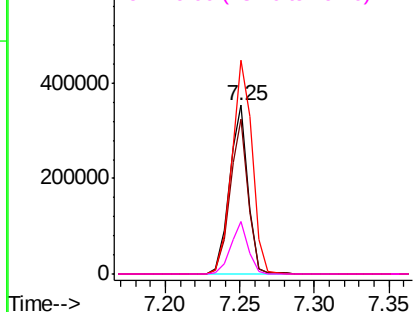
Abundance

Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

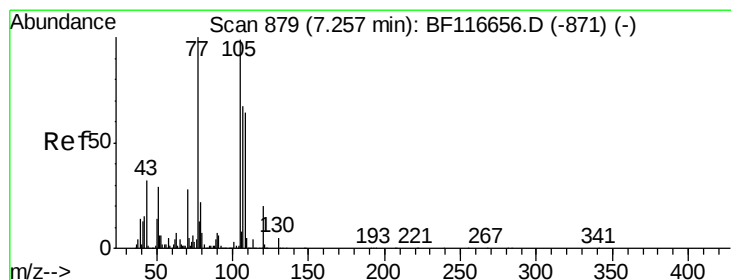
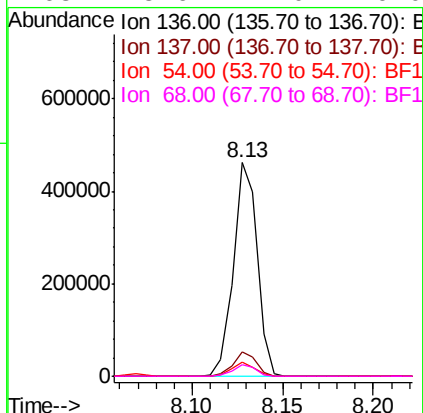
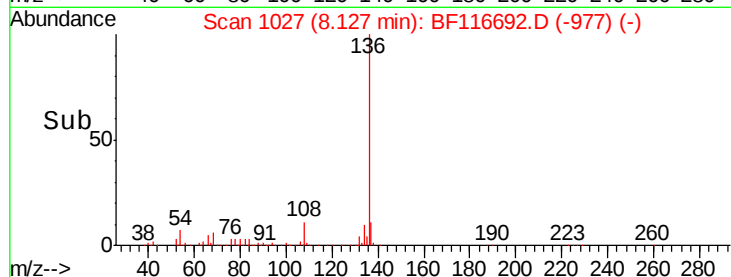
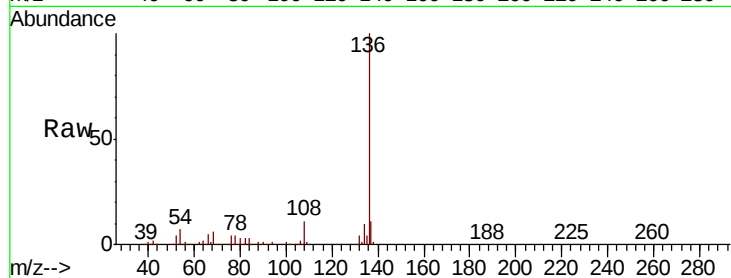




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

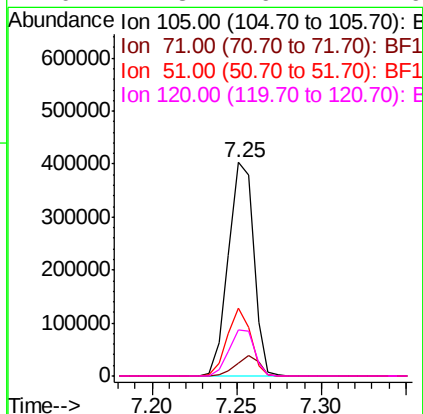
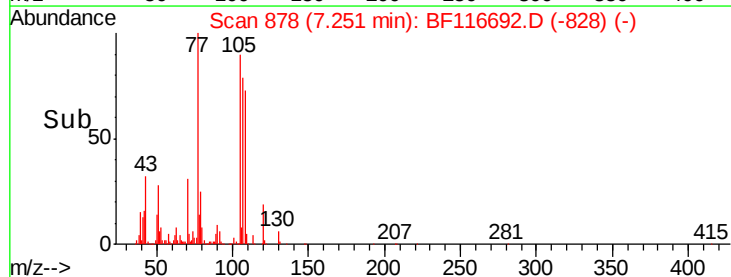
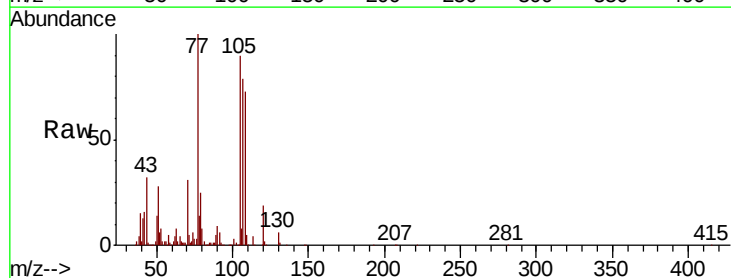
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

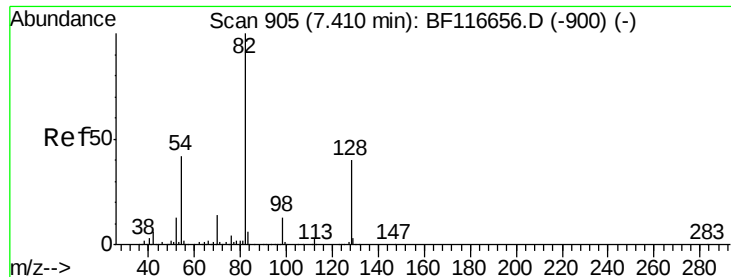
Tot Ion:136	Resp:	421870
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.9	13.3
54 6.7	4.8	7.2
68 5.6	4.0	6.0



#22
Acetophenone
Concen: 41.268 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:105	Resp:	419145	
Ion Ratio	Lower	Upper	
105 100			
71 5.9	4.2	6.4	
51 31.5	25.8	38.8	
120 21.3	16.4	24.6	

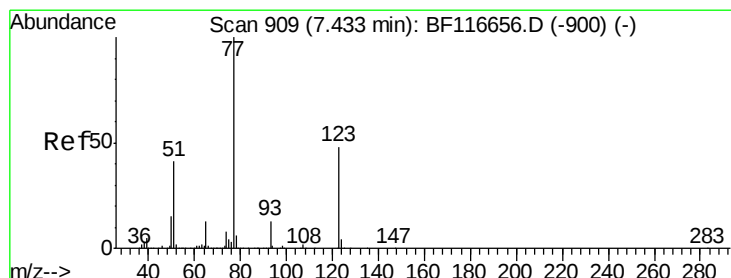
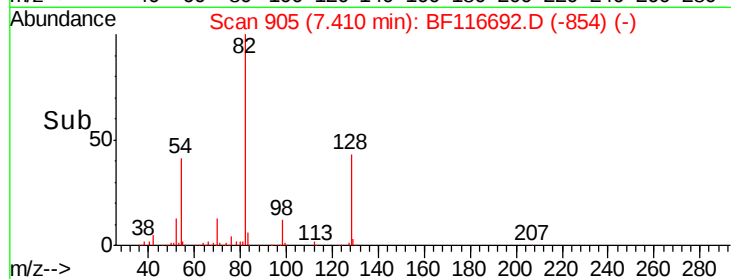
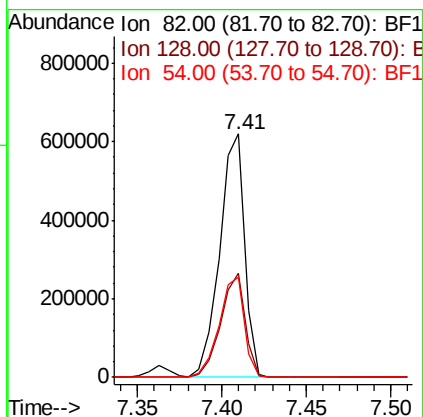
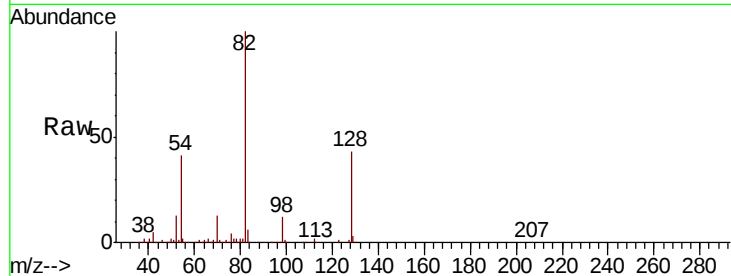




#23
 Nitrobenzene-d5
 Concen: 86.237 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

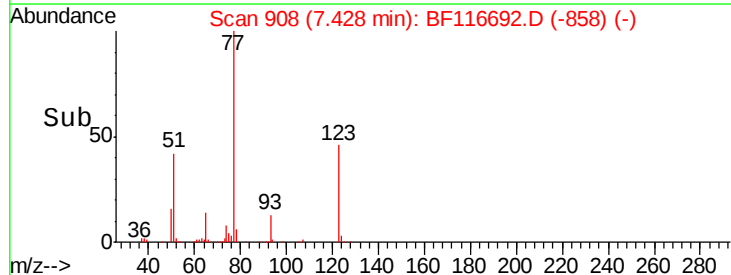
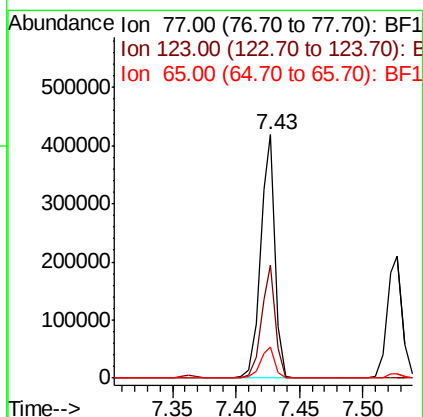
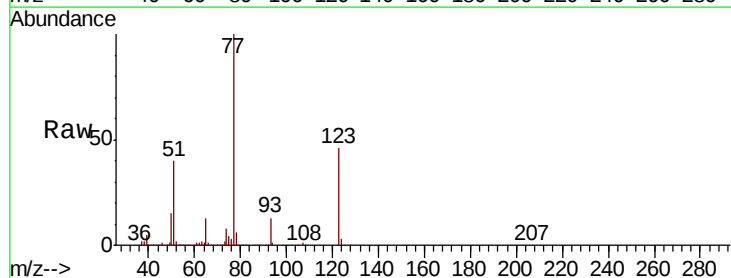
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

Tot Ion	82	Resp	637281
Ion Ratio	100	Lower	Upper
128	42.6	32.8	49.2
54	41.3	36.9	55.3



#24
 Nitrobenzene
 Concen: 44.839 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion	77	Resp	337003
Ion Ratio	100	Lower	Upper
123	46.4	33.1	49.7
65	13.0	10.6	15.8





#25

Isophorone

Concen: 40.808 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

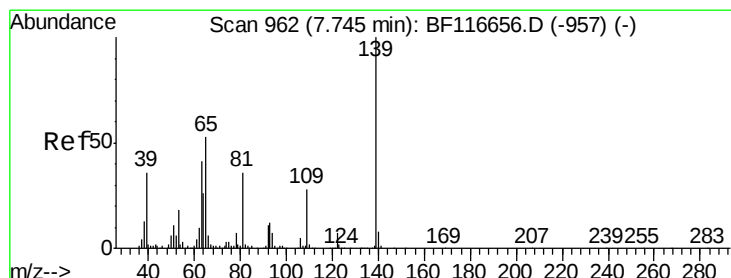
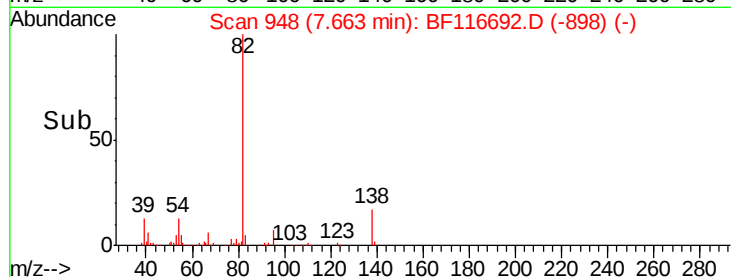
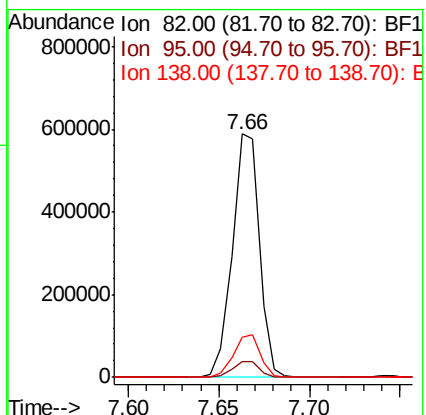
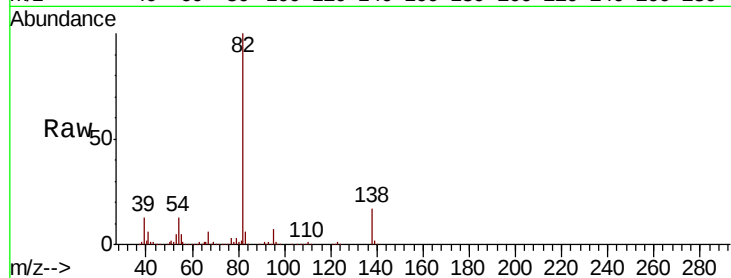
Tot Ion: 82 Resp: 611080

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

138 16.7 13.5 20.3



#26

2-Nitrophenol

Concen: 53.294 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

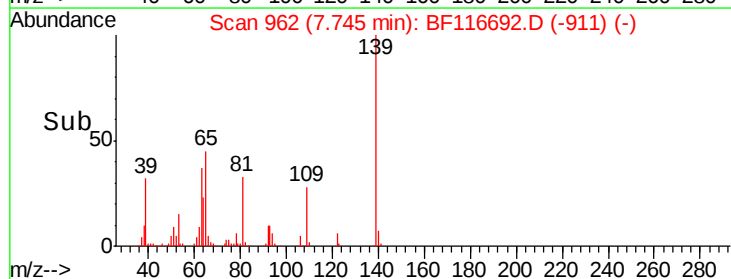
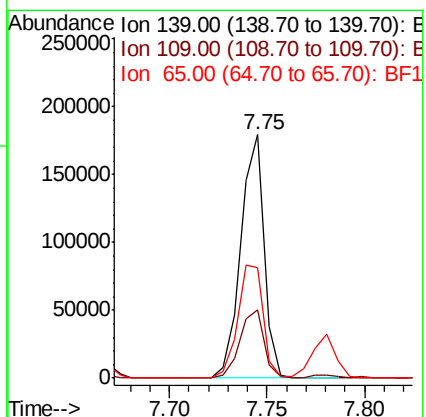
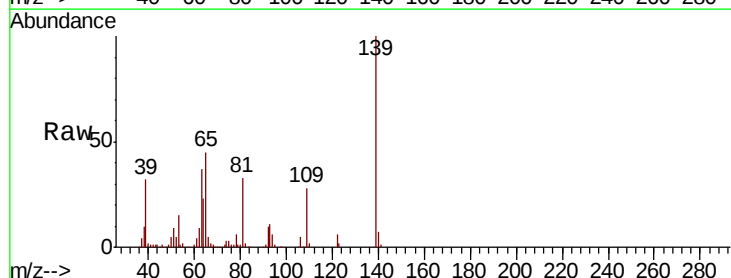
Tgt Ion: 139 Resp: 148918

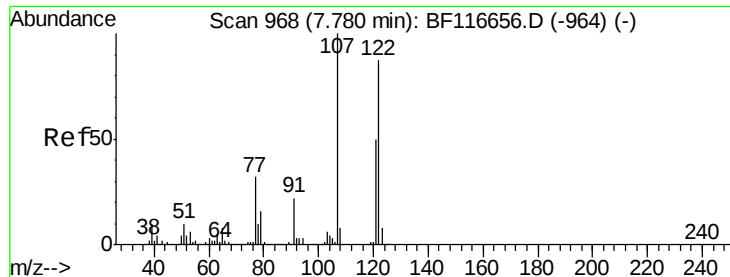
Ion Ratio Lower Upper

139 100

109 28.1 27.1 40.7

65 45.5 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 47.632 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

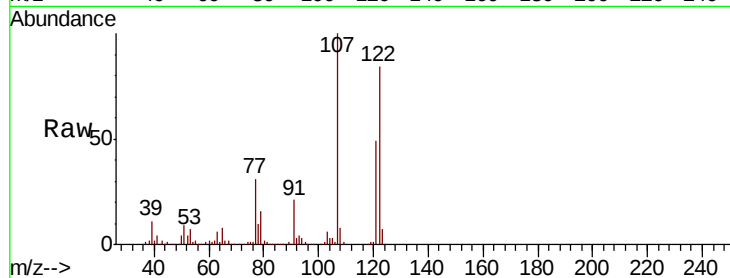
Tot Ion:122 Resp: 268800

Ion Ratio Lower Upper

122 100

107 119.4 98.1 147.1

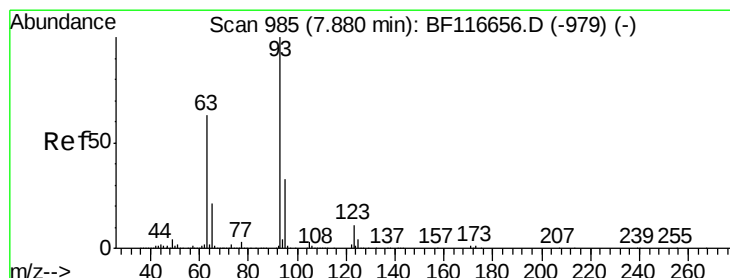
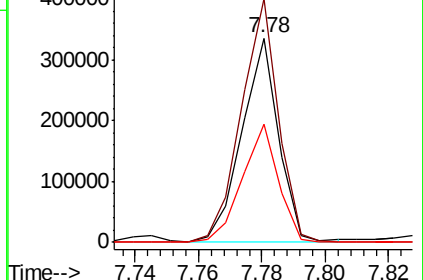
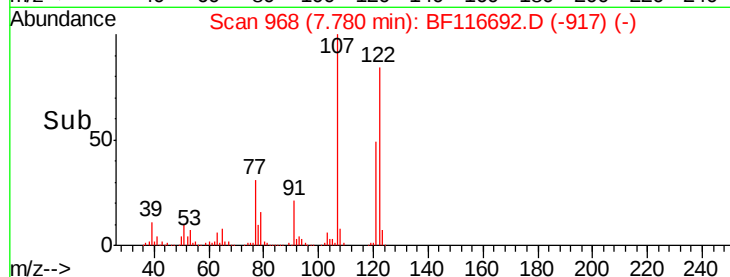
121 58.2 47.3 70.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.631 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

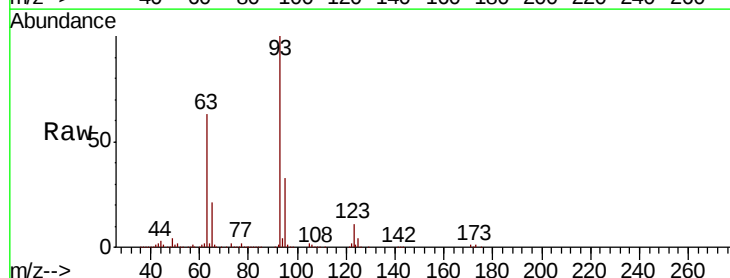
Tgt Ion: 93 Resp: 371805

Ion Ratio Lower Upper

93 100

95 32.7 26.4 39.6

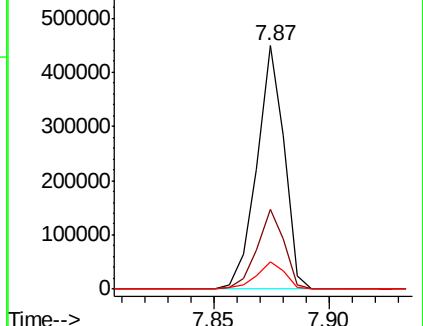
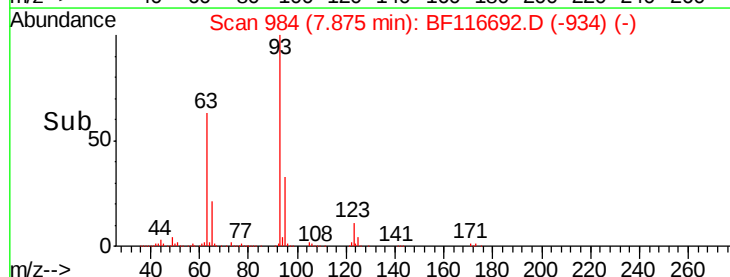
123 11.3 9.8 14.8

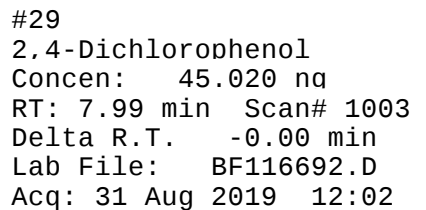


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

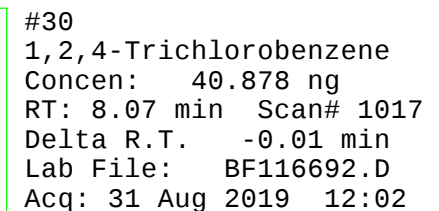
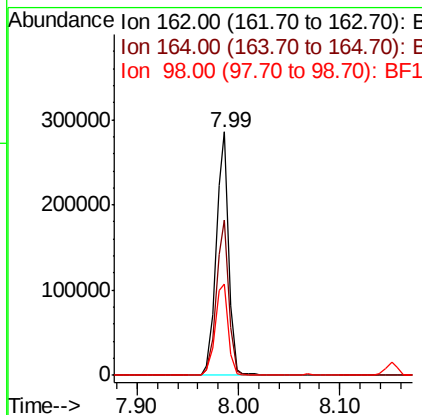
Ion 123.00 (122.70 to 123.70): E



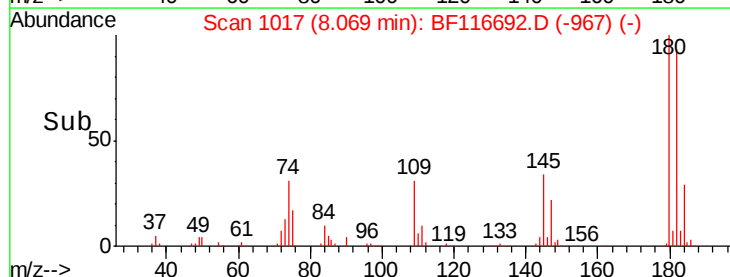
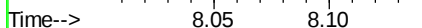
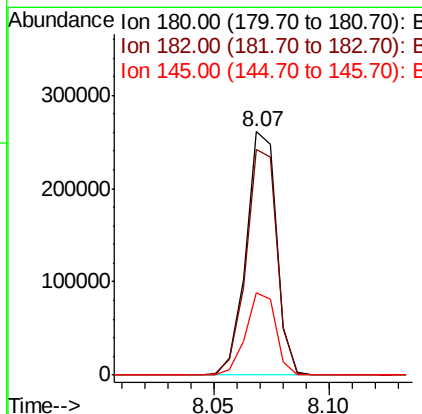


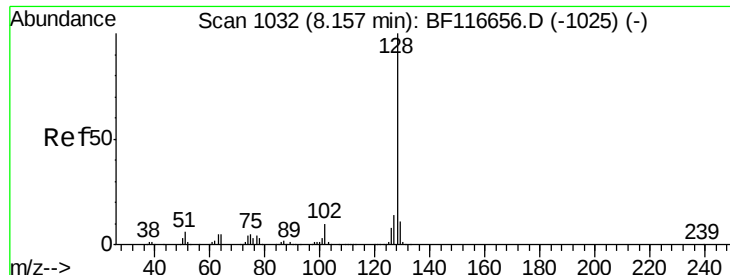
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot	Ion:162	Resp:	244157
Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.4	83.4
98	37.3	18.1	58.1



Tgt	Ion:180	Resp:	240459
Ion	Ratio	Lower	Upper
180	100		
182	92.5	78.6	118.0
145	34.0	25.7	38.5

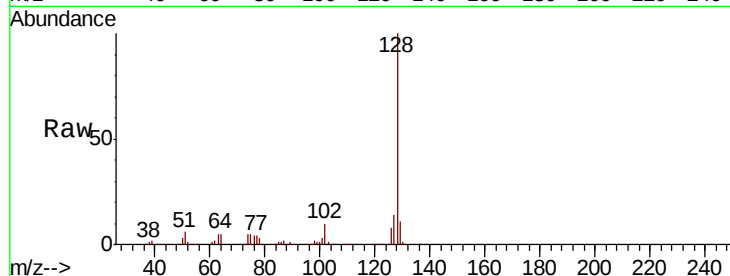




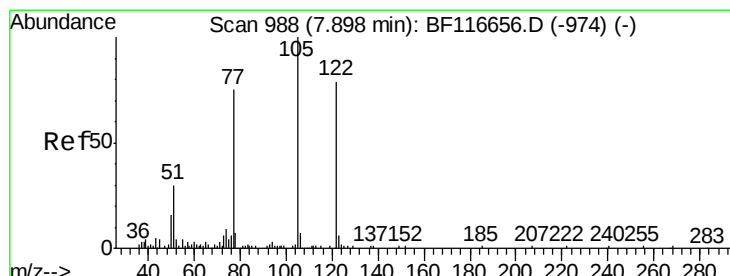
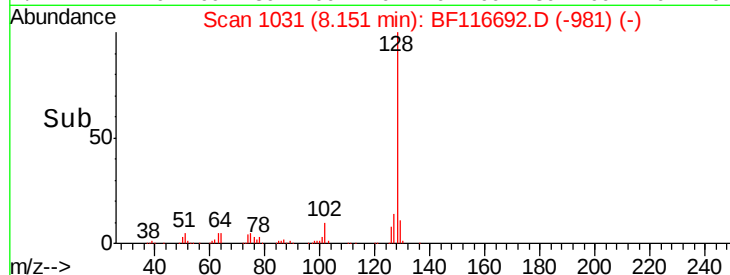
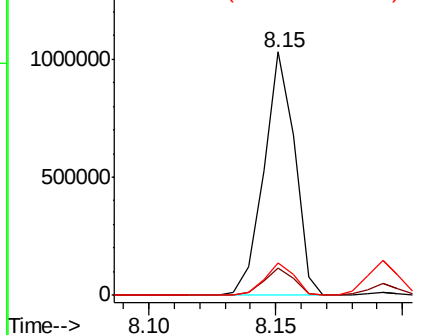
#31
Naphthalene
Concen: 43.012 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.5	10.4	15.6

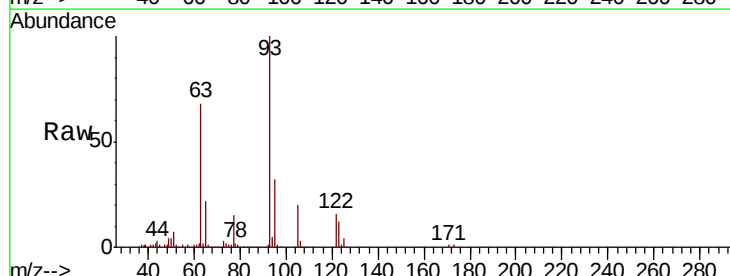


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

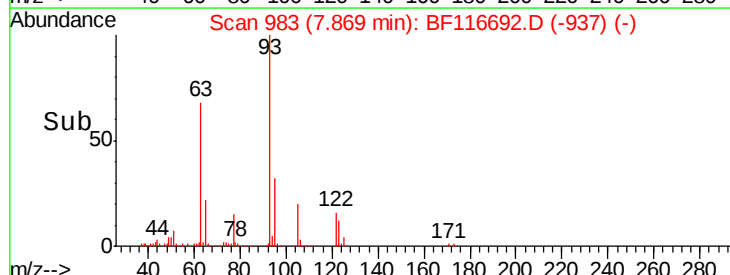
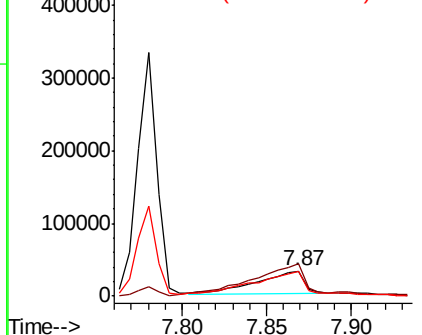


#32
Benzoic acid
Concen: 19.662 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.6	110.0	150.0
77	97.8	81.7	121.7



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

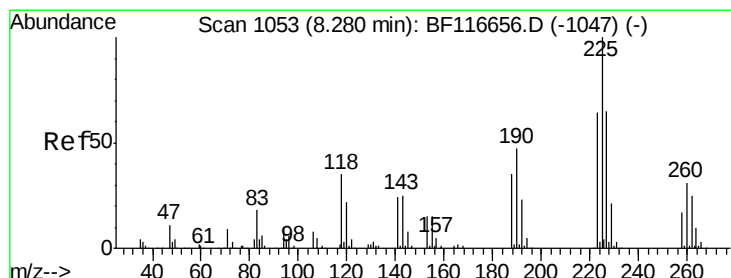
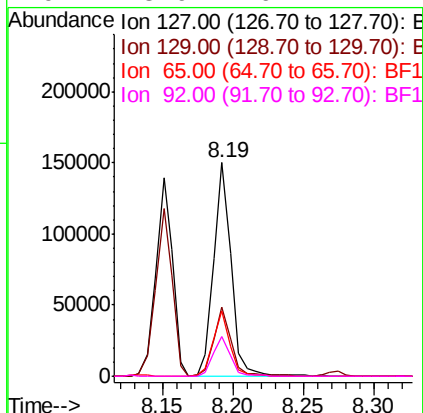
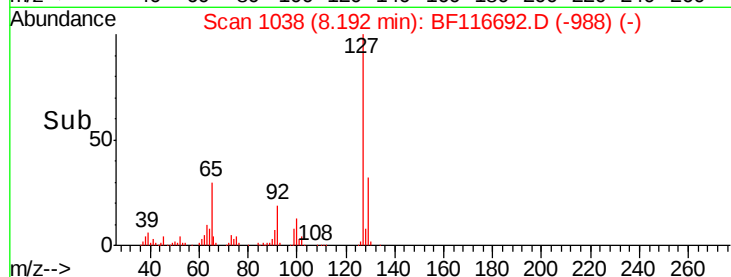
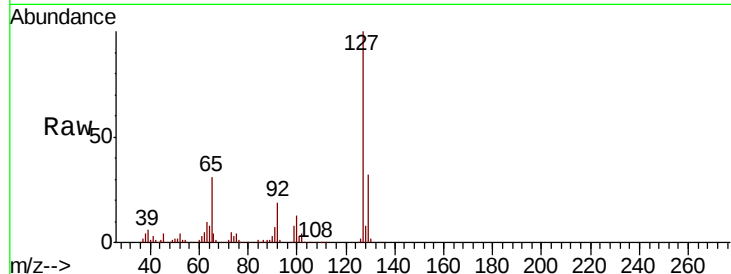




#33
4-Chloroaniline
Concen: 14.093 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

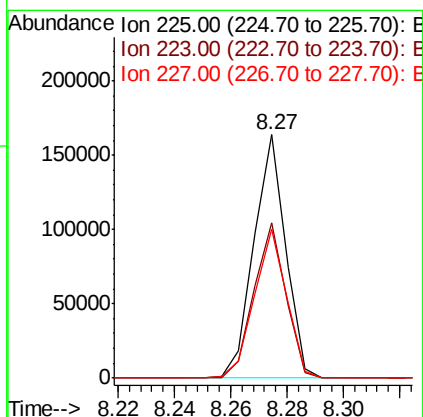
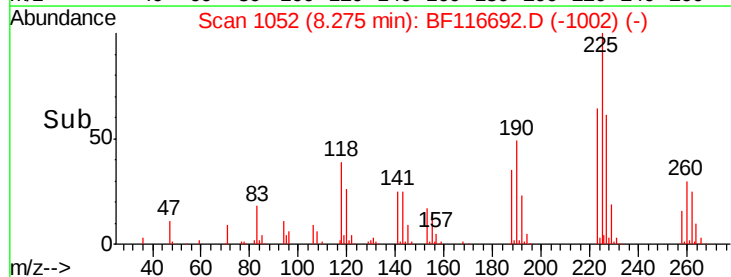
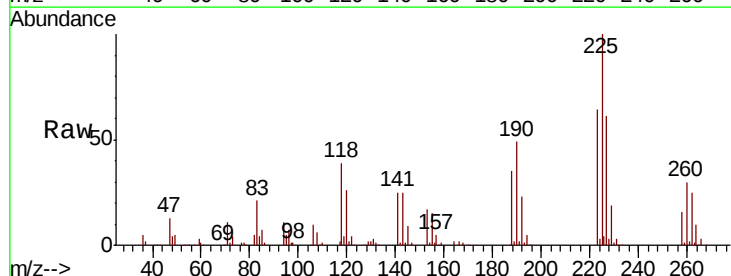
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:	127	Resp:	128691
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.2
65	30.6	26.0	39.0
92	18.9	16.1	24.1



#34
Hexachlorobutadiene
Concen: 39.805 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:	225	Resp:	127668
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.2
227	61.0	51.0	76.4

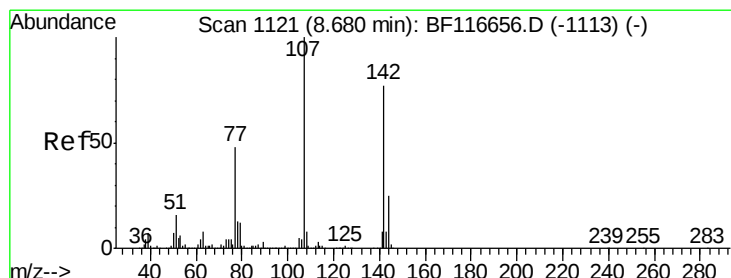
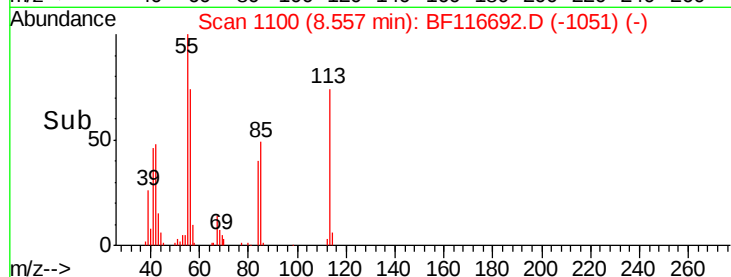
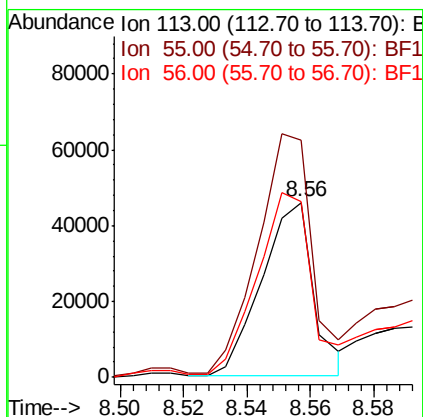
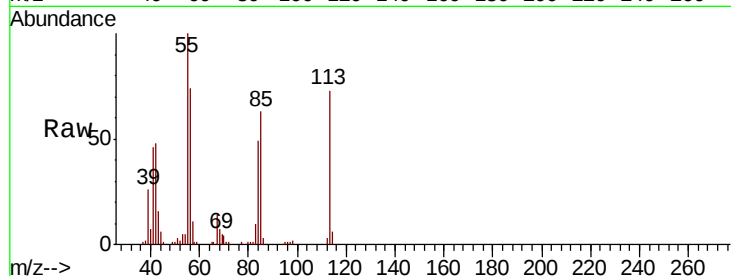




#35
 Caprolactam
 Concen: 25.683 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

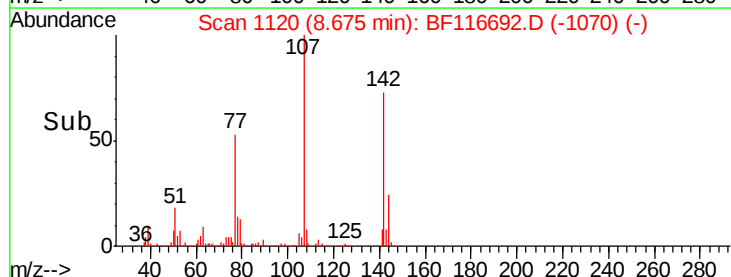
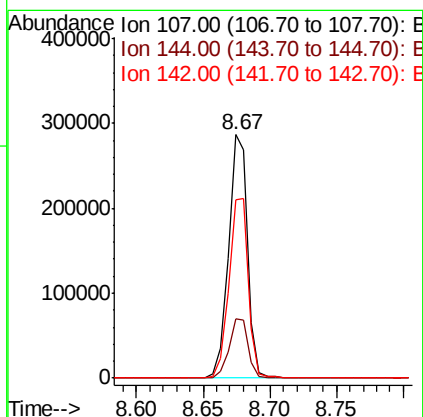
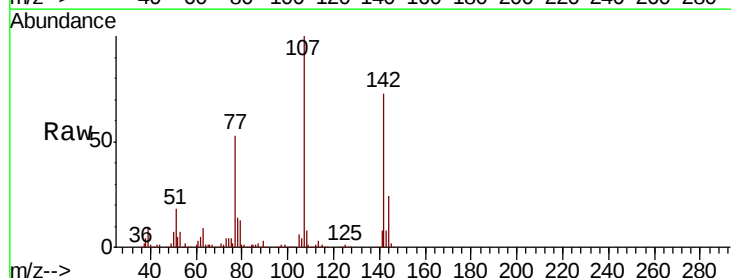
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

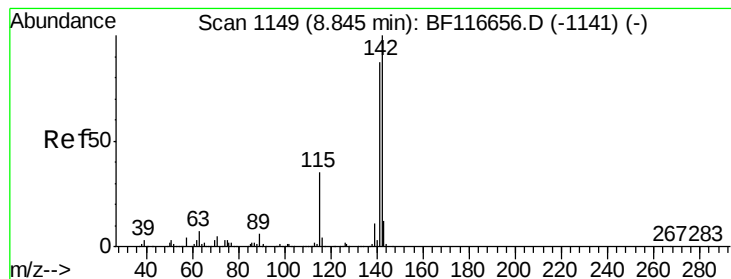
Tot Ion:113 Resp: 52128
 Ion Ratio Lower Upper
 113 100
 55 136.1 124.3 164.3
 56 100.4 94.6 134.6



#36
 4-Chloro-3-methylphenol
 Concen: 46.248 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:107 Resp: 288274
 Ion Ratio Lower Upper
 107 100
 144 24.1 18.6 27.8
 142 73.2 58.5 87.7





#37

2-Methylnaphthalene

Concen: 43.604 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

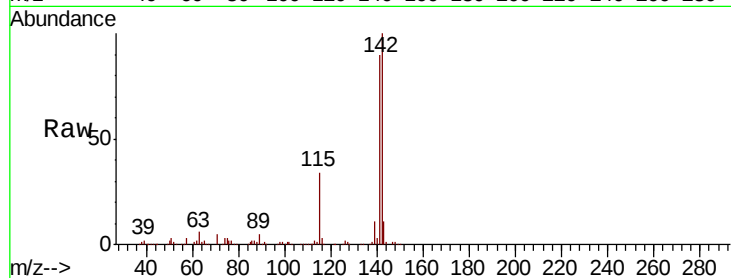
Tot Ion:142 Resp: 581997

Ion Ratio Lower Upper

142 100

141 89.7 72.6 109.0

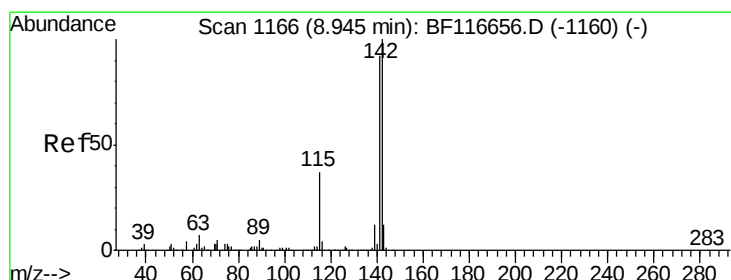
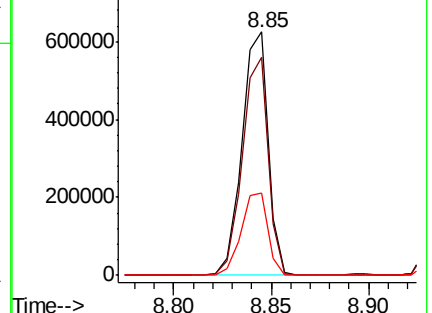
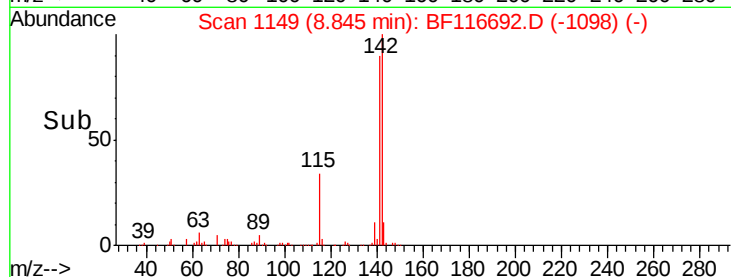
115 33.9 29.8 44.6



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: 43.362 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

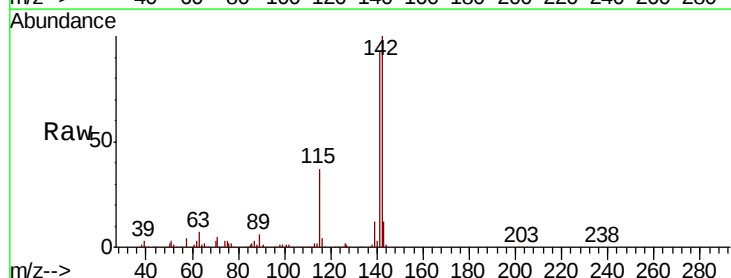
Tgt Ion:142 Resp: 546342

Ion Ratio Lower Upper

142 100

141 93.3 73.9 110.9

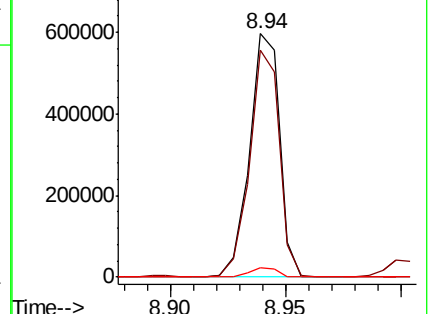
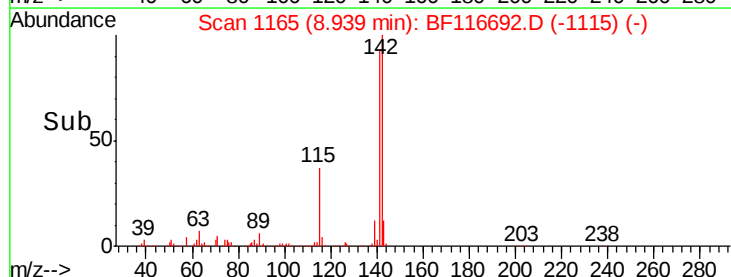
116 4.0 3.0 4.6



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

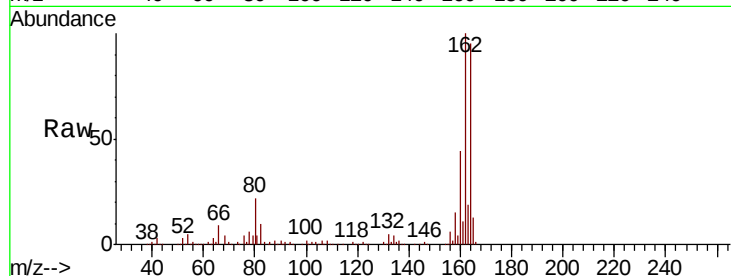
Tot Ion:164 Resp: 213768

Ion Ratio Lower Upper

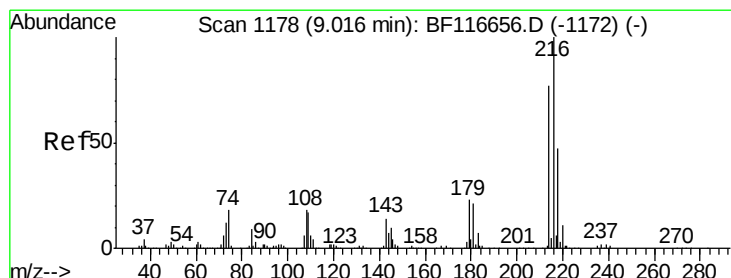
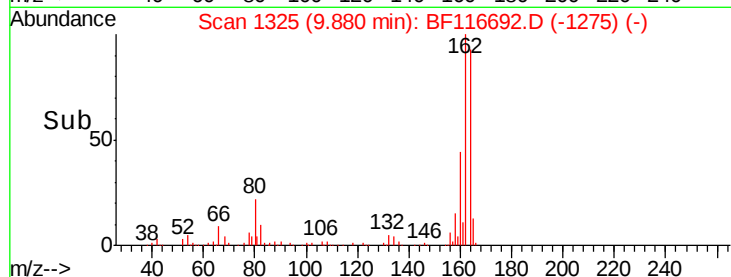
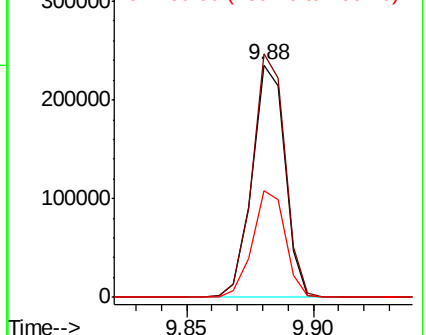
164 100

162 104.8 81.4 122.0

160 45.8 35.4 53.2



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: 40.982 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Tgt Ion:216 Resp: 210009

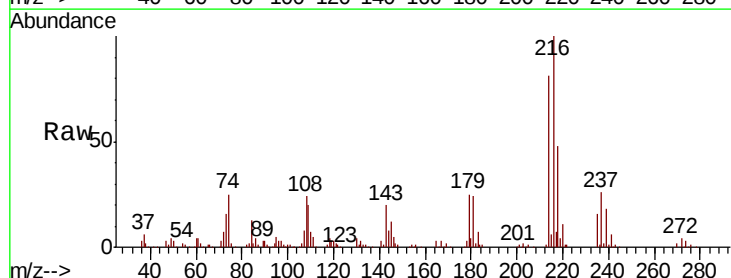
Ion Ratio Lower Upper

216 100

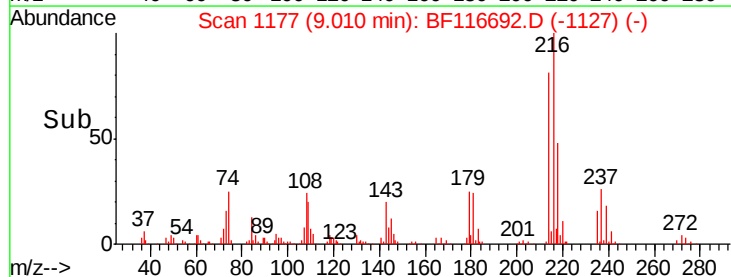
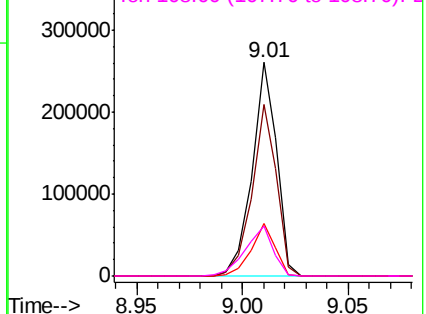
214 79.7 62.7 94.1

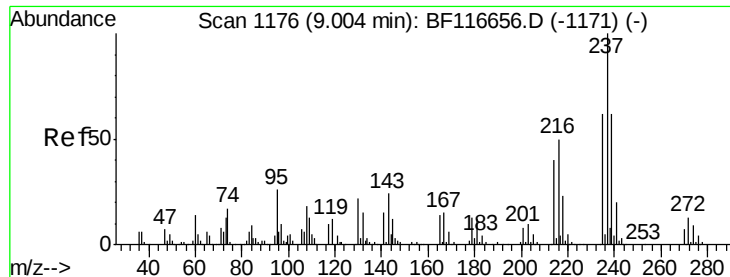
179 24.0 19.3 28.9

108 26.7 16.6 25.0#



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





#41

Hexachlorocyclopentadiene

Concen: 81.533 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

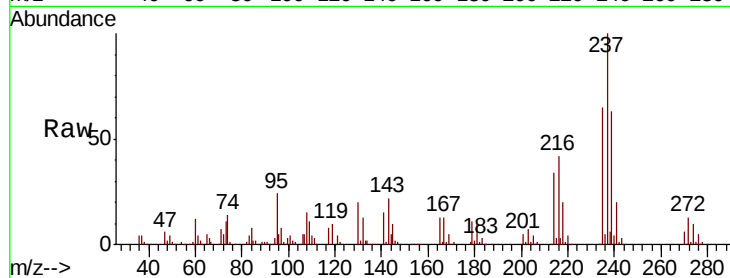
Tot Ion:237 Resp: 241270

Ion Ratio Lower Upper

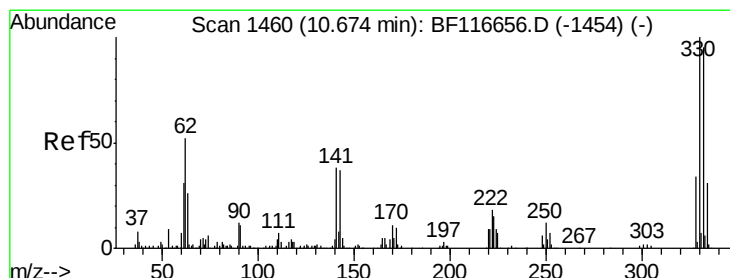
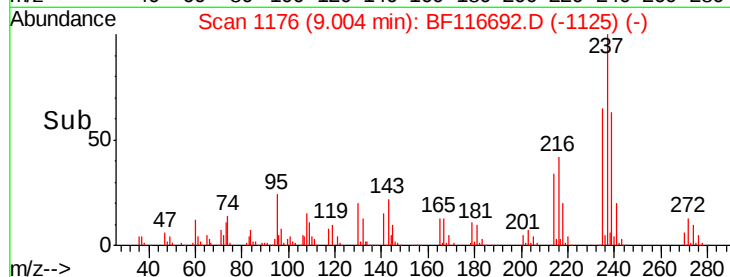
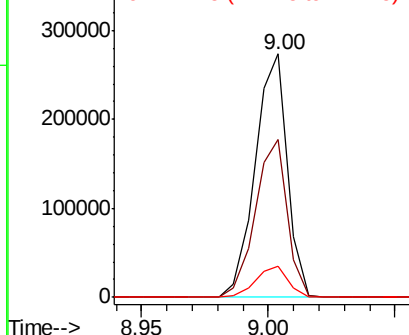
237 100

235 64.7 41.4 81.4

272 12.8 0.0 32.8



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: 133.718 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

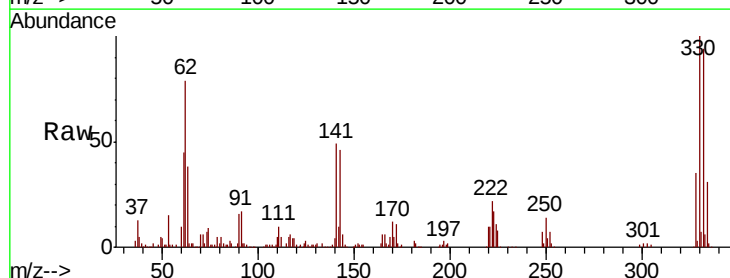
Tgt Ion:330 Resp: 191094

Ion Ratio Lower Upper

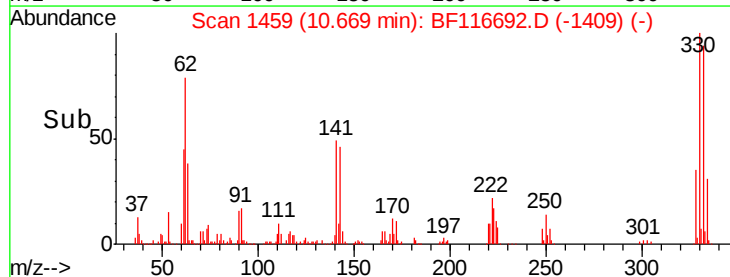
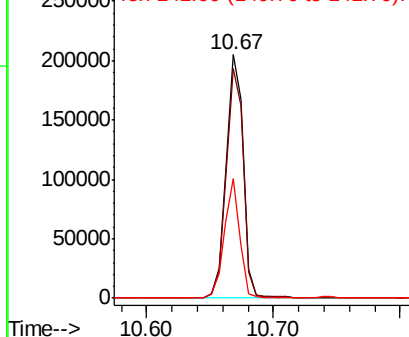
330 100

332 94.9 76.9 115.3

141 44.9 31.4 47.2



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

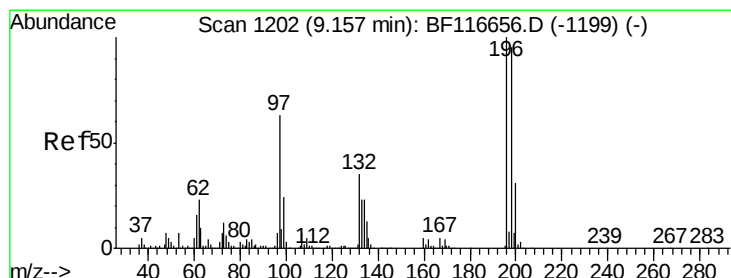
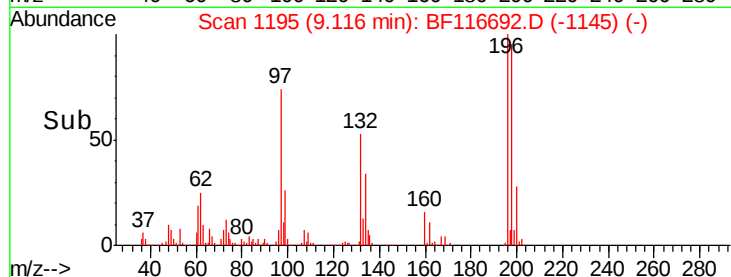
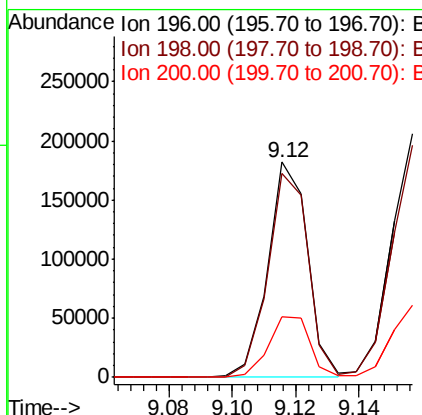
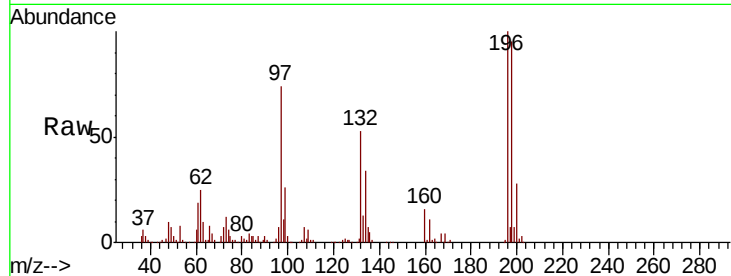




#43
 2,4,6-Trichlorophenol
 Concen: 45.188 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

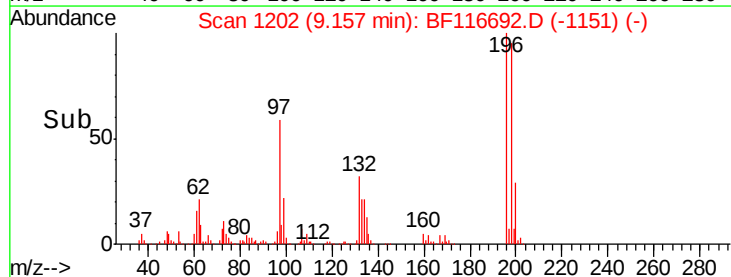
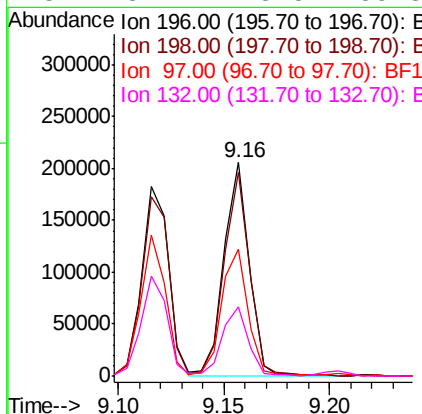
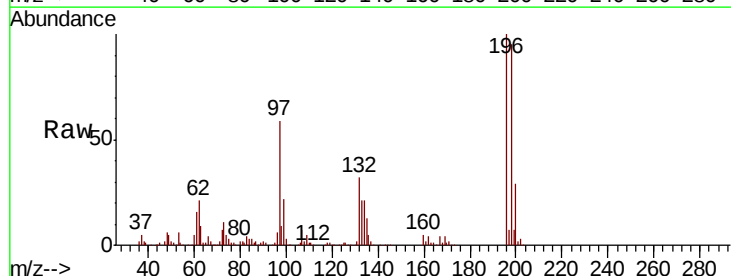
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

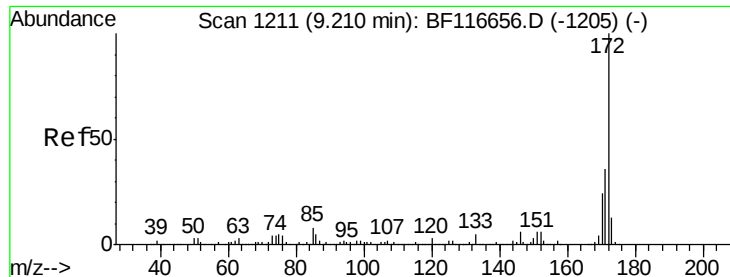
Tot Ion:196 Resp: 158735
 Ion Ratio Lower Upper
 196 100
 198 94.7 79.1 118.7
 200 28.4 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 46.446 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:196 Resp: 169382
 Ion Ratio Lower Upper
 196 100
 198 95.2 78.1 117.1
 97 59.2 41.6 62.4
 132 32.4 23.5 35.3

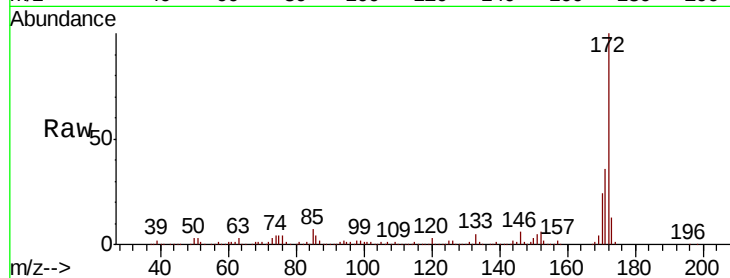




#45
2-Fluorobiphenyl
Concen: 60.104 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	23.8	18.9	28.3

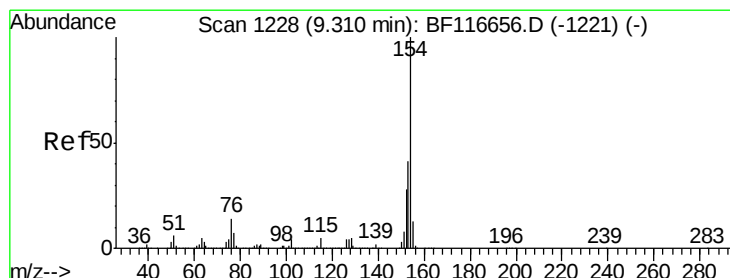
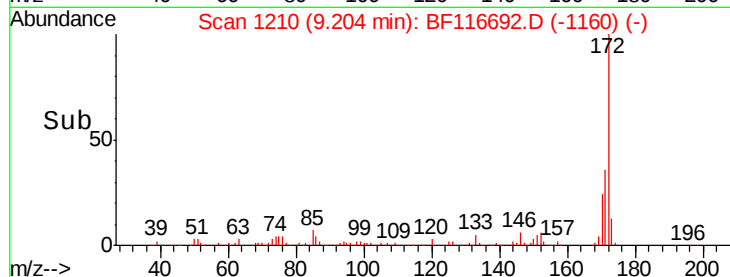
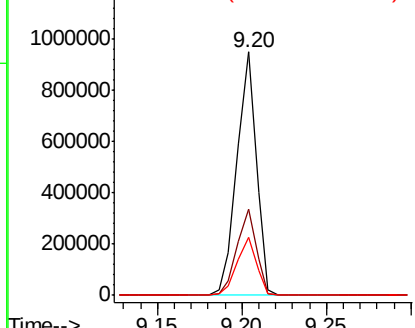


Abundance

Ion 172.00 (171.70 to 172.70): E

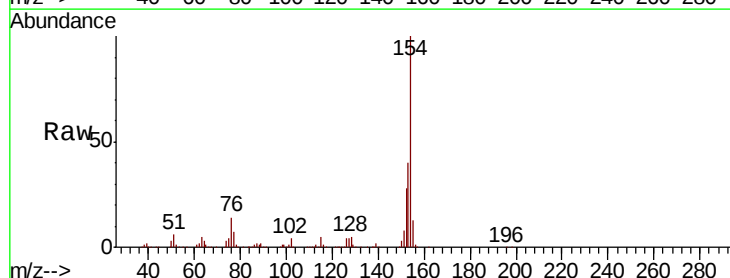
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 41.953 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.2	61.2
76	13.8	0.0	30.9

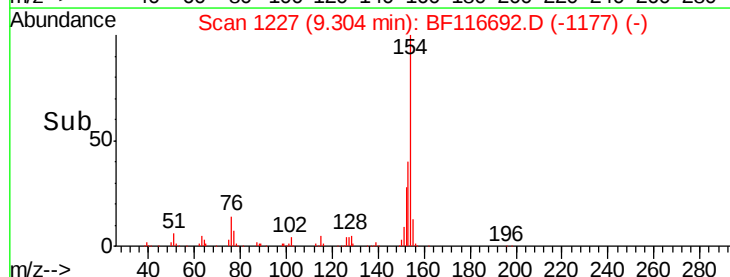
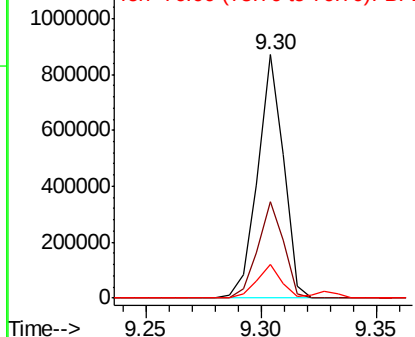


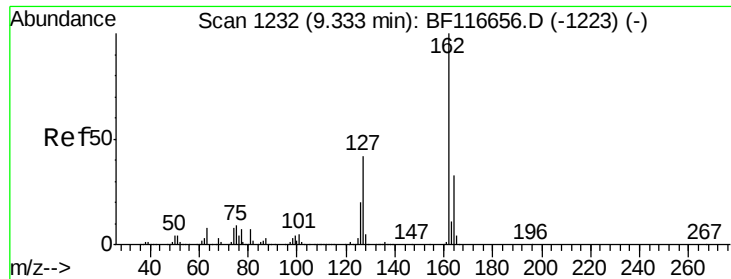
Abundance

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

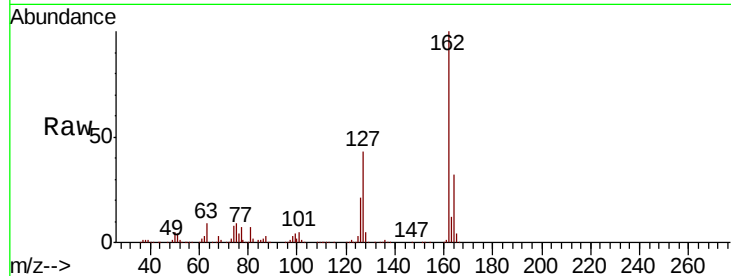




#47
2-Chloronaphthalene
Concen: 41.738 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.3	33.4	50.2
164	32.5	26.6	39.8

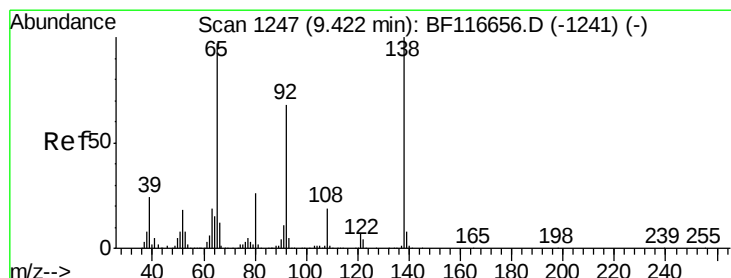
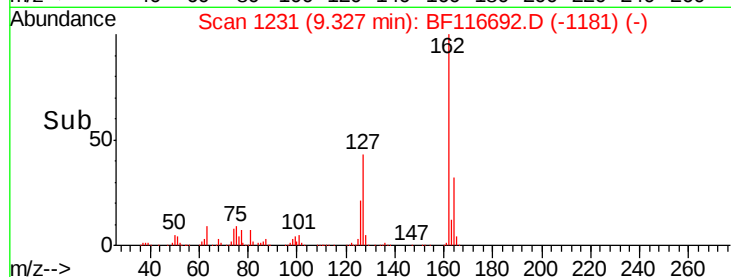
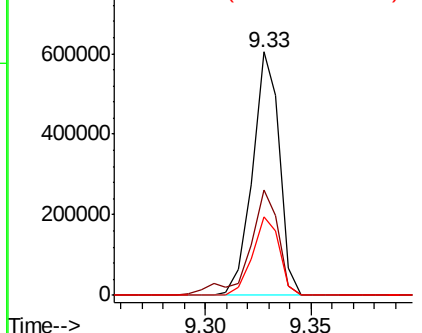


Abundance

Ion 162.00 (161.70 to 162.70): E

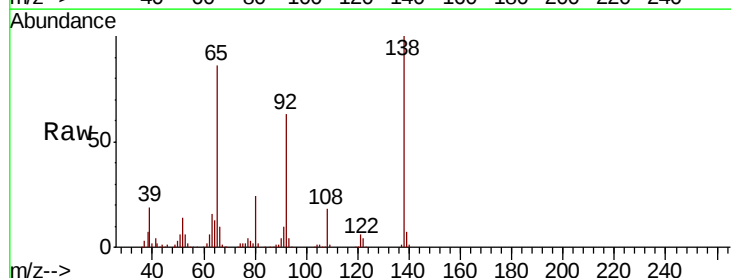
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 48.001 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.1	57.1	85.7
138	116.9	88.2	132.2

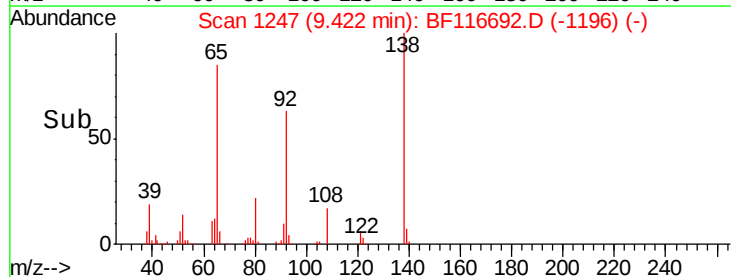
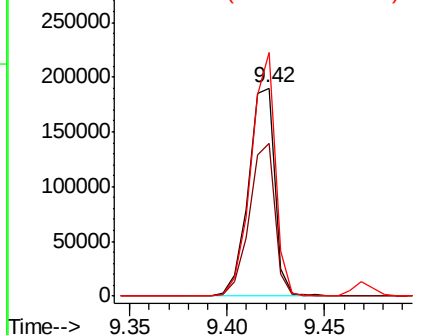


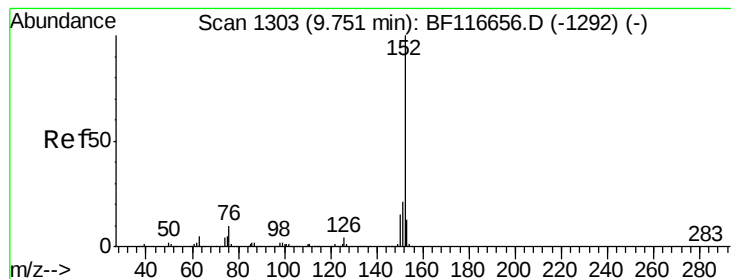
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.656 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

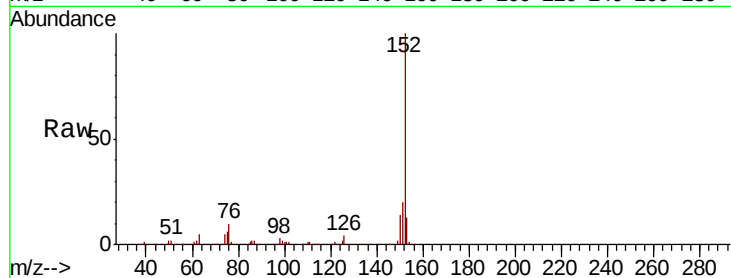
Tot Ion:152 Resp: 867260

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

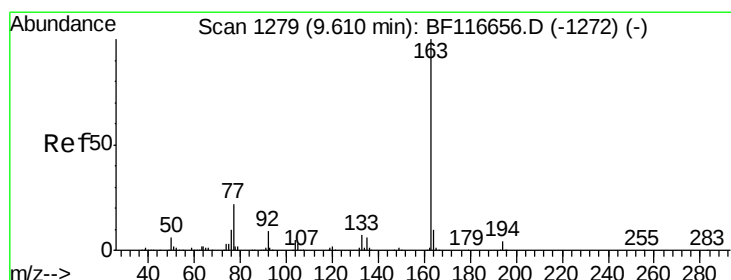
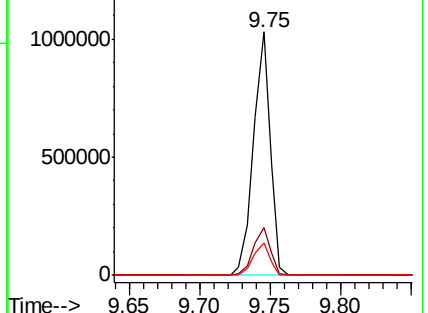
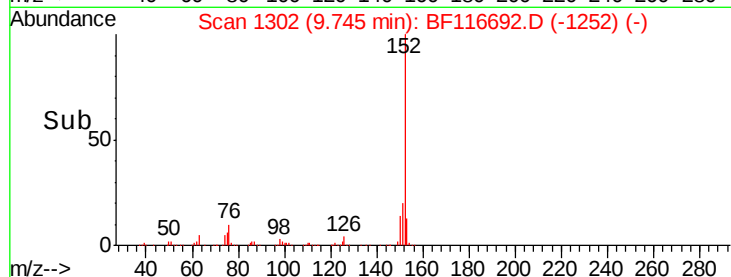
153 13.2 10.9 16.3



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: 48.289 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

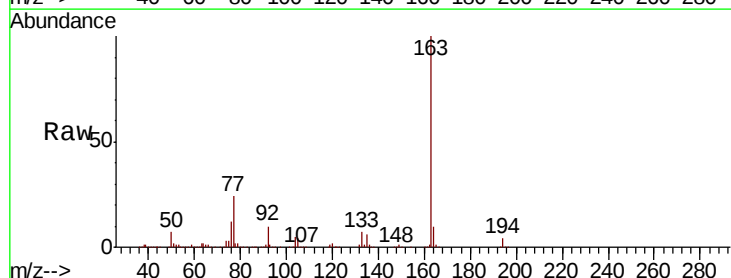
Tgt Ion:163 Resp: 712666

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

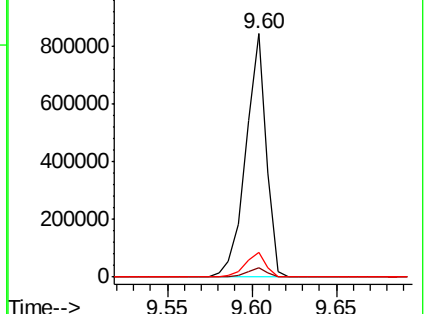
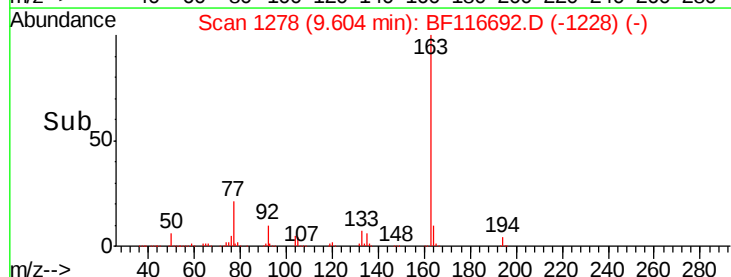
164 10.2 8.6 12.8

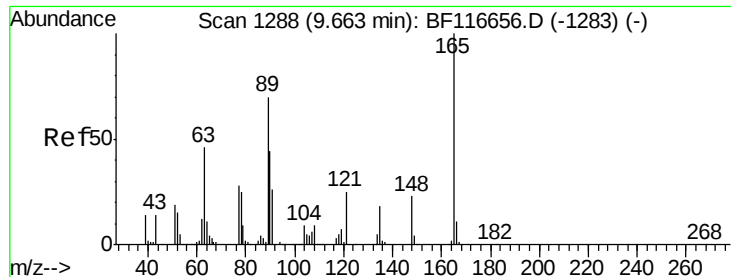


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

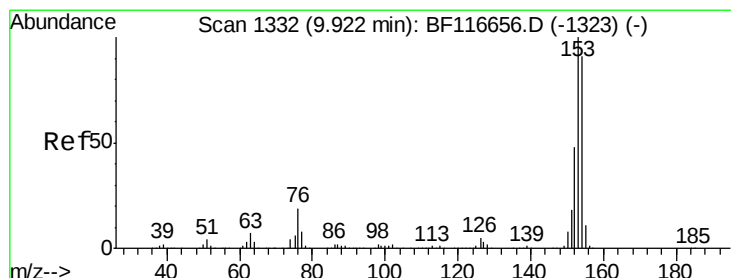
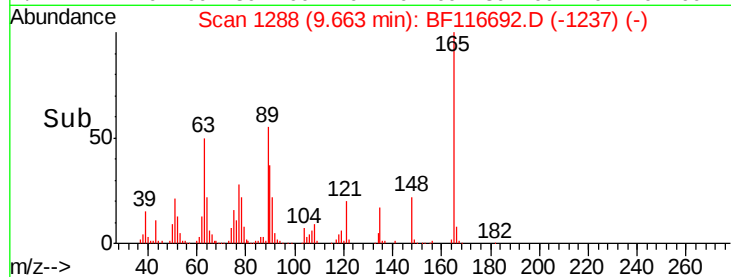
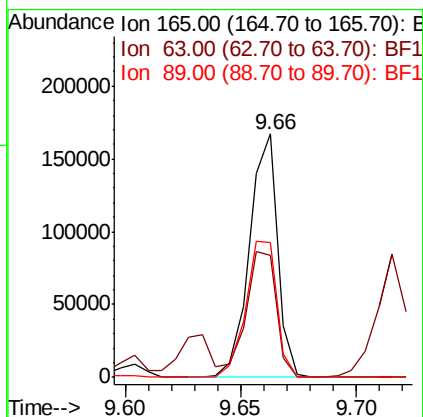
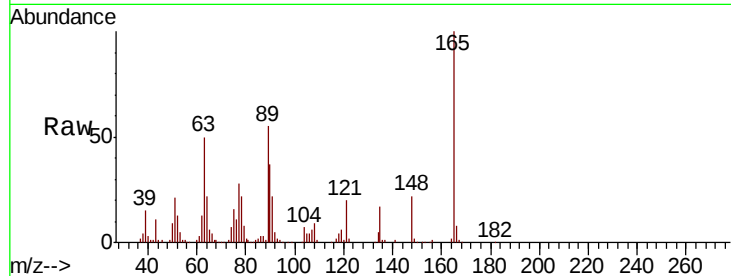




#51
 2,6-Dinitrotoluene
 Concen: 50.600 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

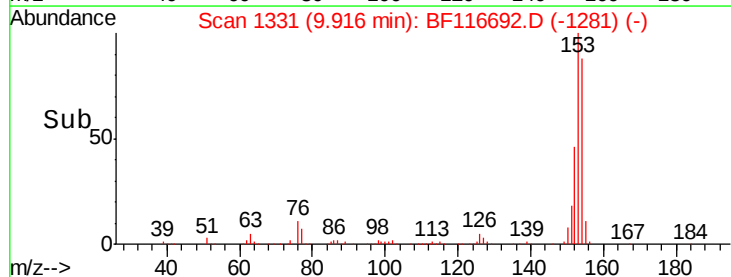
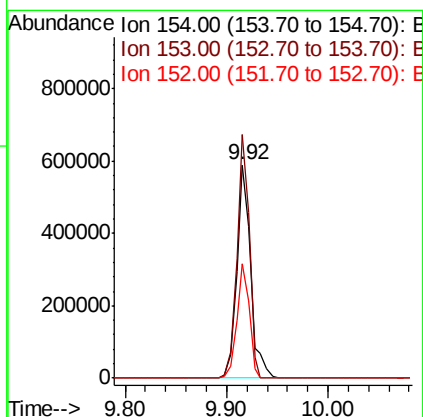
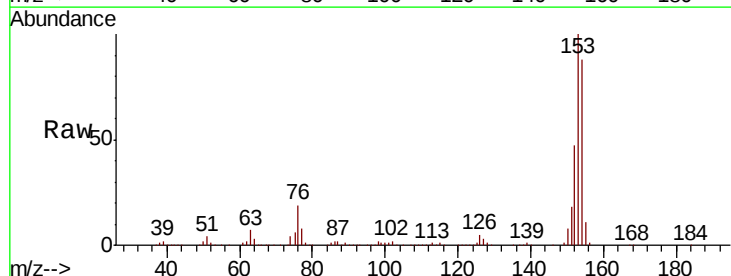
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

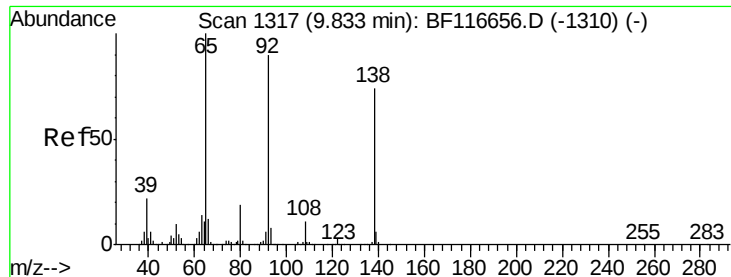
Tot Ion:165 Resp: 142481
 Ion Ratio Lower Upper
 165 100
 63 50.0 47.3 70.9
 89 55.4 52.5 78.7



#52
 Acenaphthene
 Concen: 46.258 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:154 Resp: 551985
 Ion Ratio Lower Upper
 154 100
 153 114.2 89.5 134.3
 152 53.5 41.9 62.9

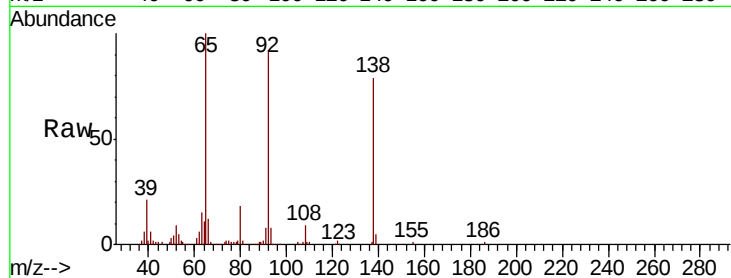




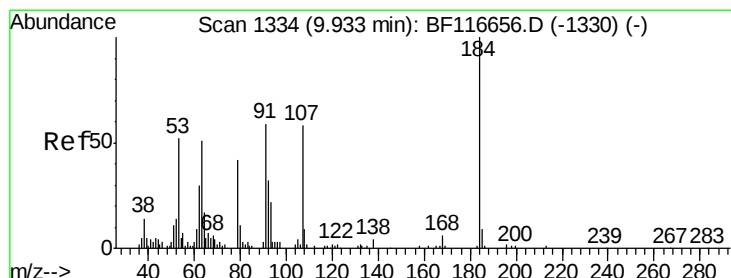
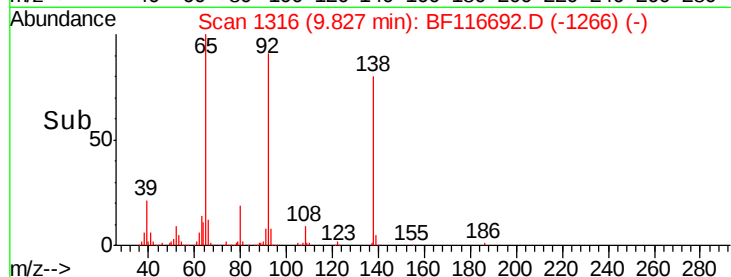
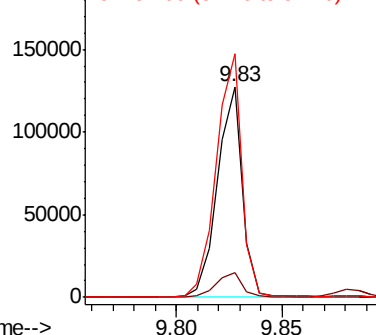
#53
3-Nitroaniline
Concen: 29.671 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:138 Resp: 104701
Ion Ratio Lower Upper
138 100
108 11.8 8.5 12.7
92 115.4 87.2 130.8

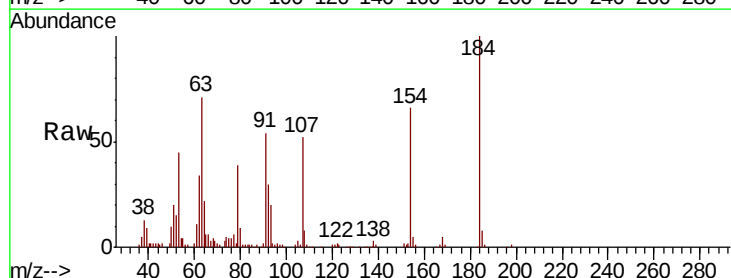


Abundance Ion 138.00 (137.70 to 138.70): E
200000 Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

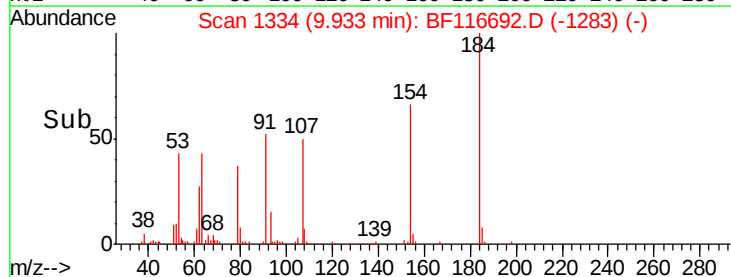
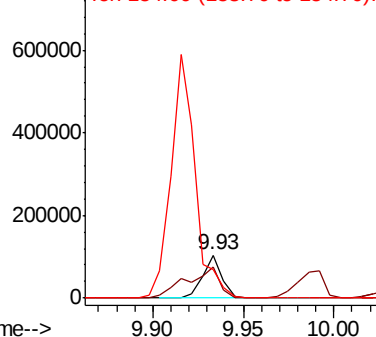


#54
2,4-Dinitrophenol
Concen: 77.190 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:184 Resp: 76765
Ion Ratio Lower Upper
184 100
63 71.1 52.2 78.2
154 66.2 60.8 91.2



Abundance Ion 184.00 (183.70 to 184.70): E
800000 Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

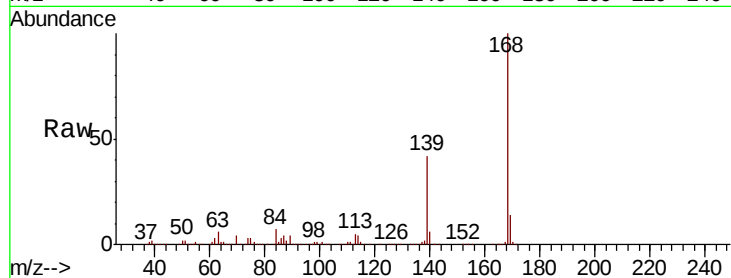




#55
Dibenzofuran
Concen: 44.856 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.6	31.5	47.3
169	13.8	10.3	15.5

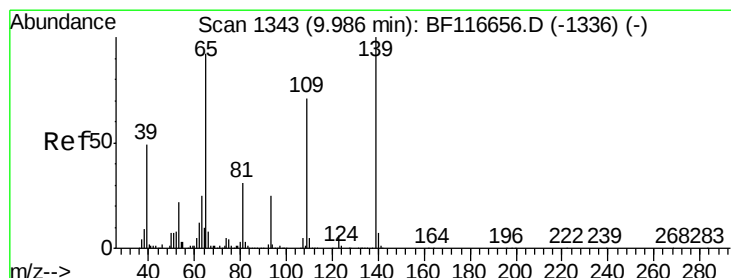
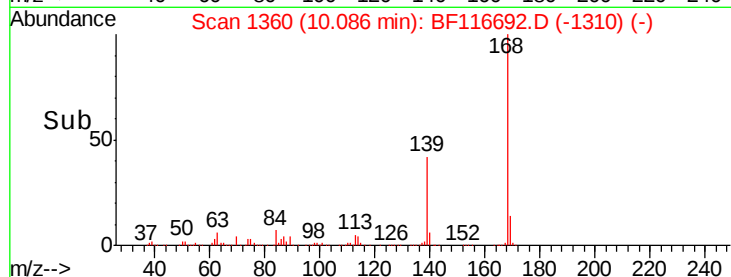
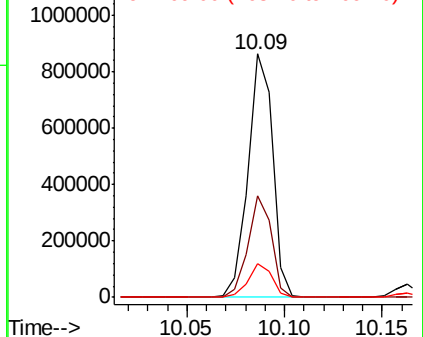


Abundance

Ion 168.00 (167.70 to 168.70): E

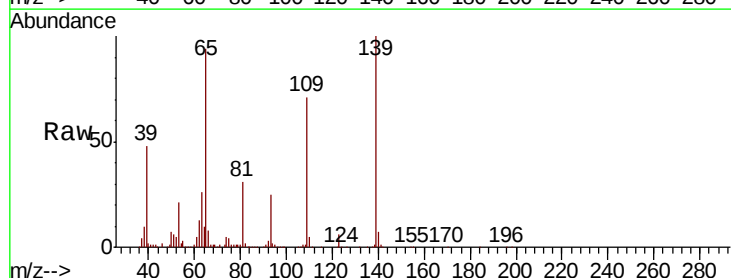
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 106.626 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.2	61.7	101.7
65	94.4	89.1	129.1

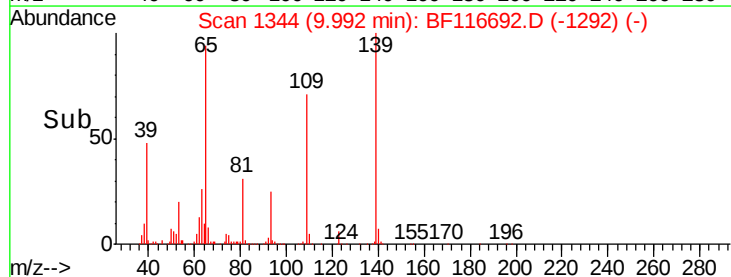
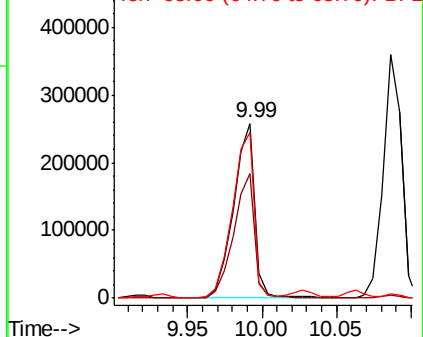


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

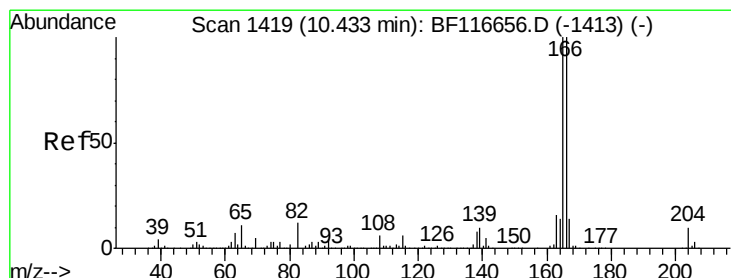
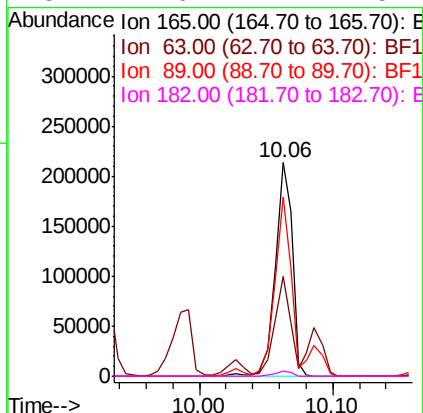
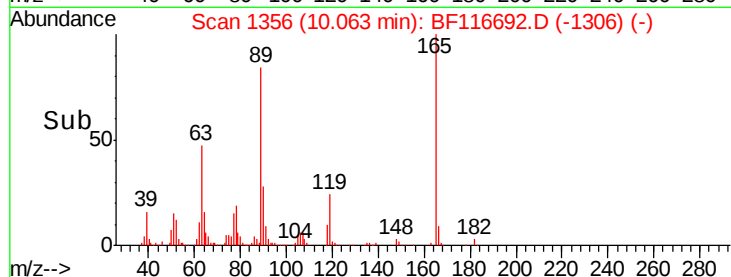
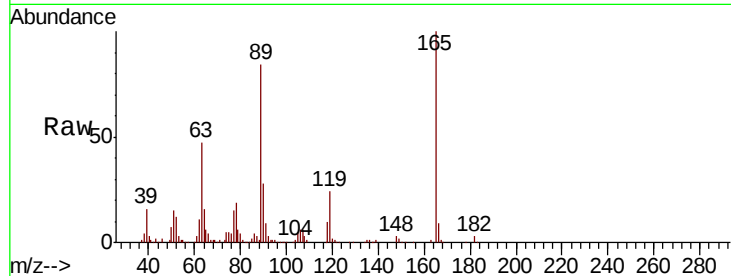




#57
 2,4-Dinitrotoluene
 Concen: 55.488 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

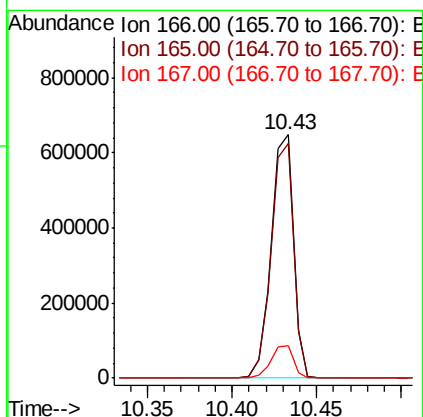
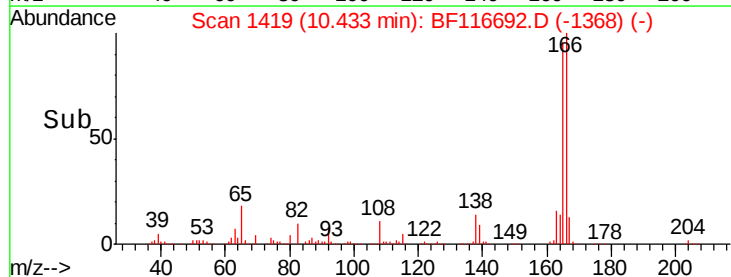
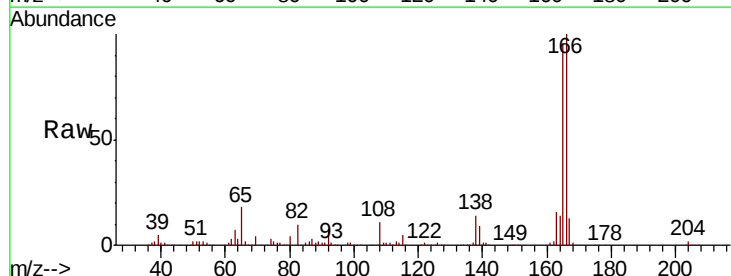
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

Tot Ion:165 Resp: 191047
 Ion Ratio Lower Upper
 165 100
 63 46.9 36.4 54.6
 89 84.0 62.6 94.0
 182 2.6 2.1 3.1



#58
 Fluorene
 Concen: 46.136 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:166 Resp: 591357
 Ion Ratio Lower Upper
 166 100
 165 96.4 78.8 118.2
 167 13.1 10.0 15.0

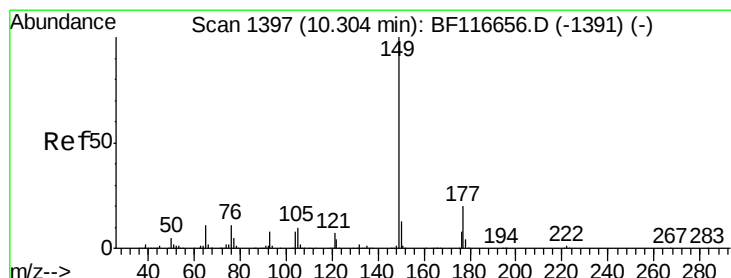
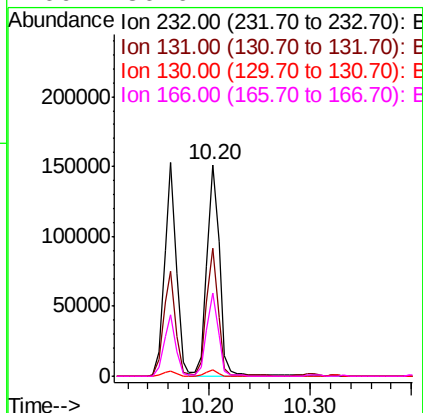
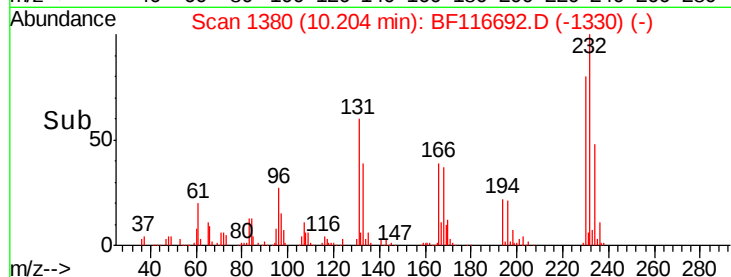
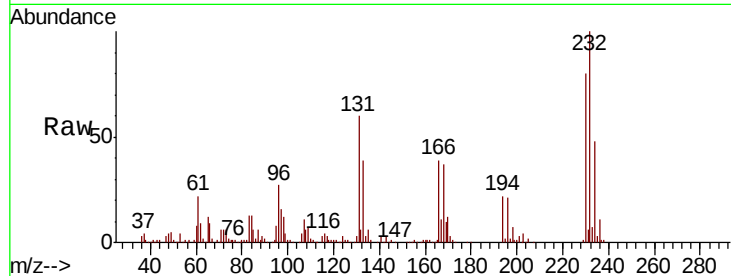




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.236 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

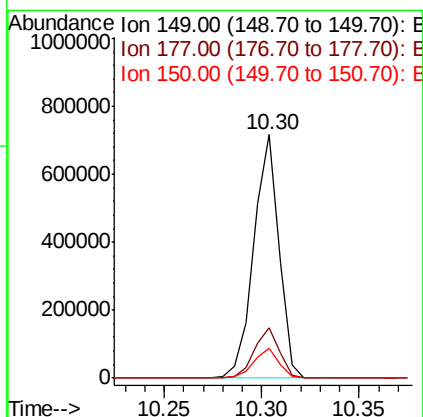
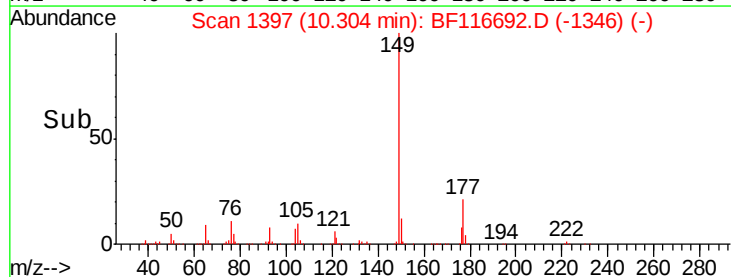
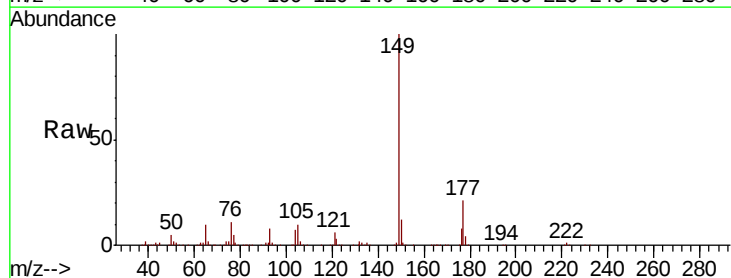
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	55.9	42.7	64.1
130	2.6	1.9	2.9
166	36.6	27.4	41.2



#60
Diethylphthalate
Concen: 43.269 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.2	25.8
150	12.2	9.7	14.5





#61

4-Chlorophenyl-phenylether

Concen: 44.034 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

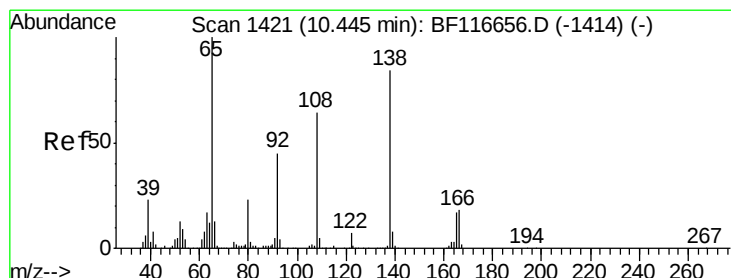
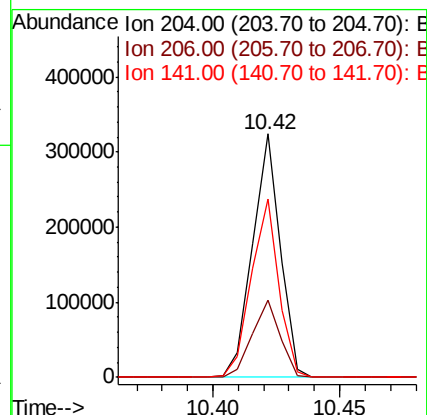
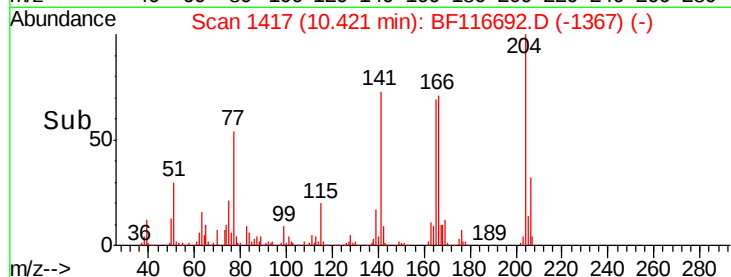
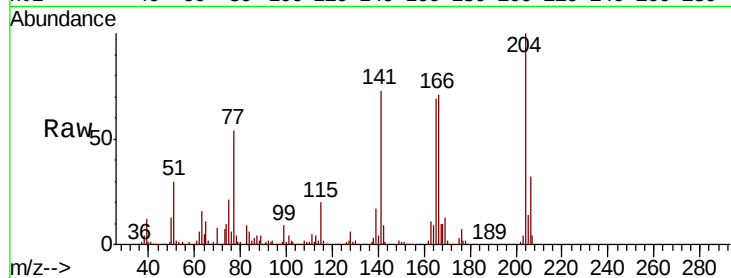
Tot Ion:204 Resp: 247155

Ion Ratio Lower Upper

204 100

206 31.5 25.4 38.2

141 73.5 53.8 80.8



#62

4-Nitroaniline

Concen: 49.833 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

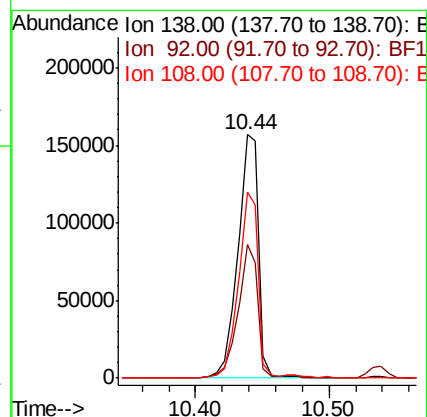
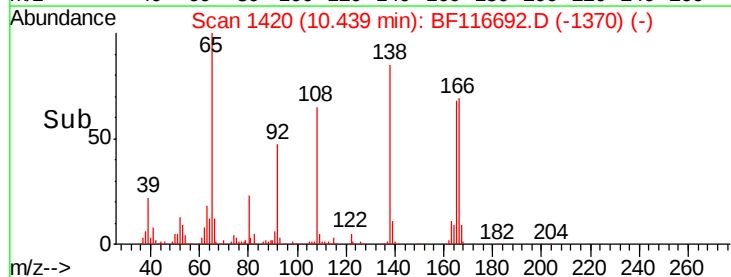
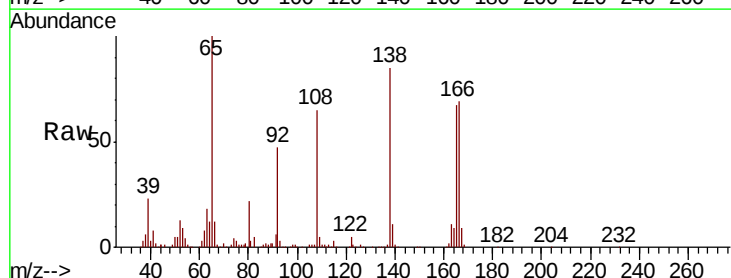
Tgt Ion:138 Resp: 170656

Ion Ratio Lower Upper

138 100

92 55.1 28.7 68.7

108 76.3 60.4 100.4

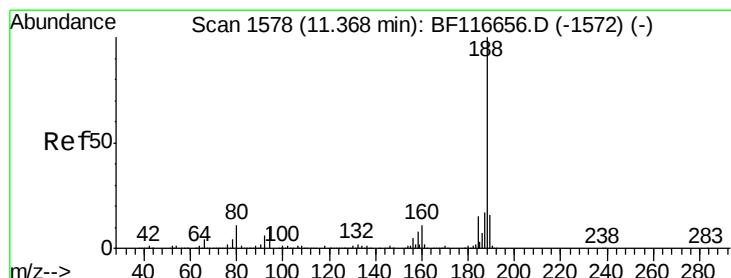
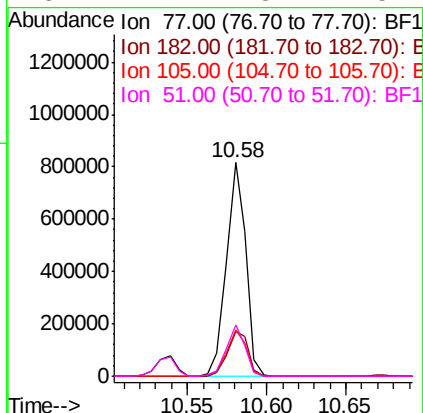
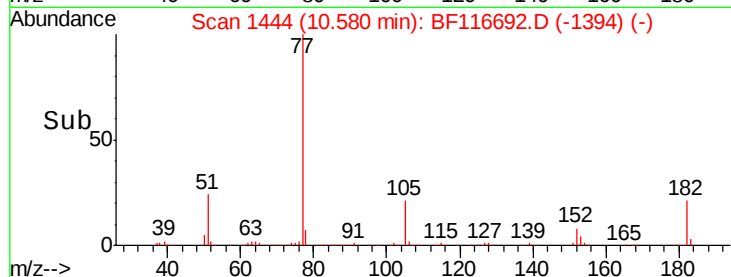
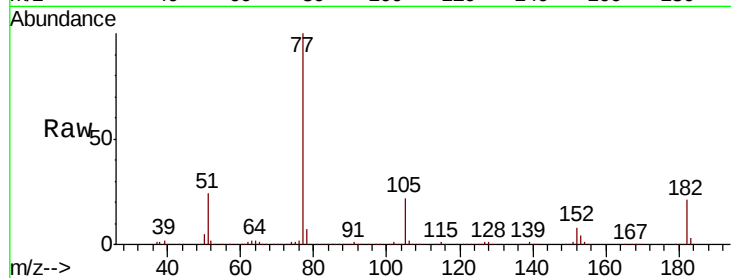




#63
Azobenzene
Concen: 44.401 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

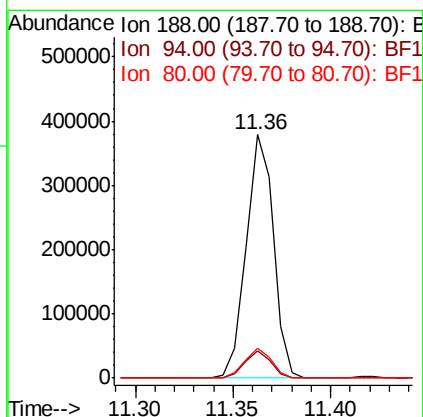
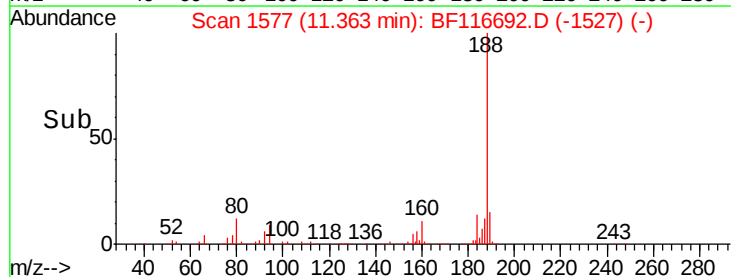
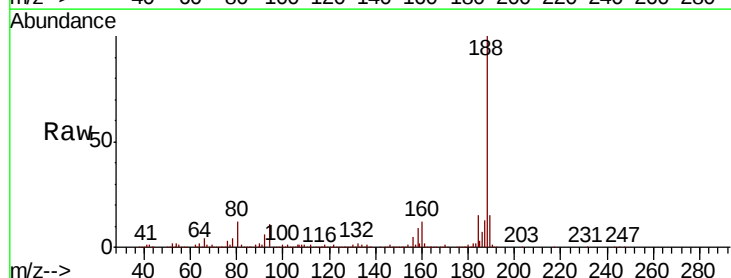
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:	77	Resp:	684451
Ion	Ratio	Lower	Upper
77	100		
182	21.0	1.2	41.2
105	21.8	0.6	40.6
51	24.1	8.2	48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:	188	Resp:	365670
Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	12.4	8.4	12.6

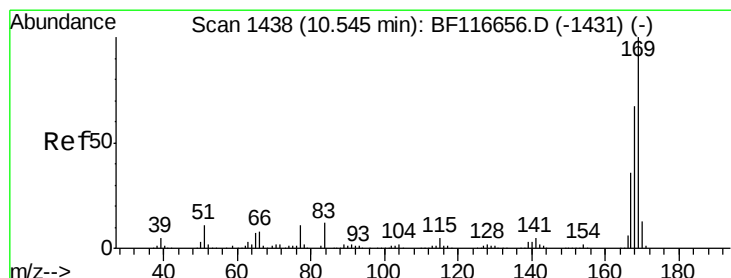
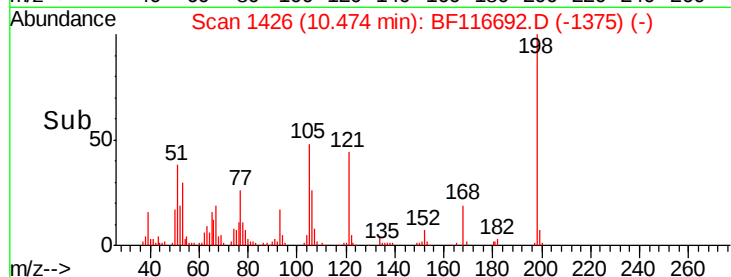
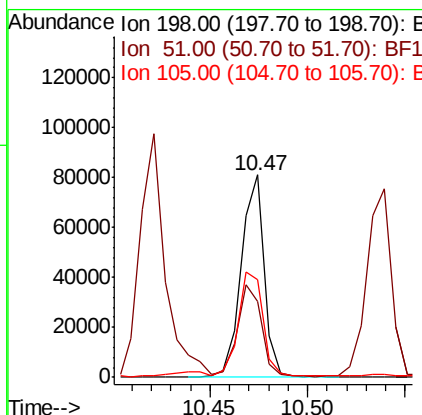
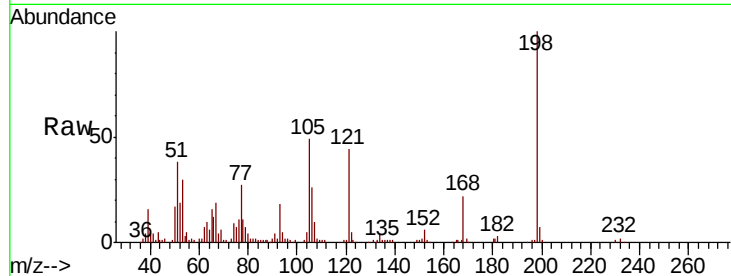




#65
 4,6-Dinitro-2-methylphenol
 Concen: 48.841 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

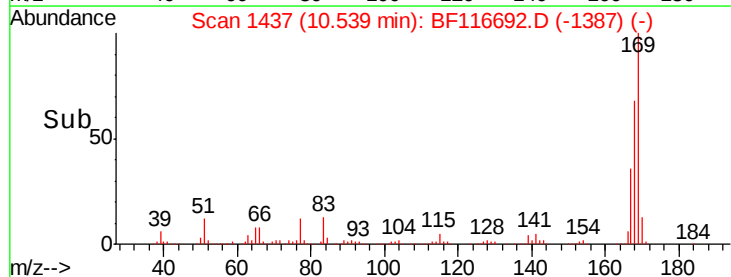
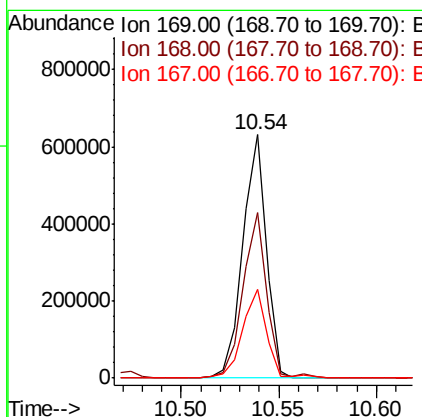
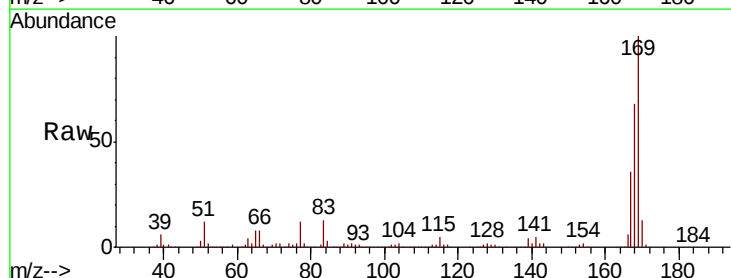
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

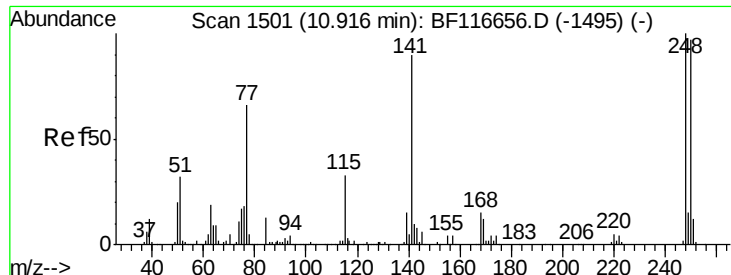
Tot Ion	Ratio	Lower	Upper
198	100		
51	37.8	18.4	58.4
105	48.6	22.9	62.9



#66
 n-Nitrosodiphenylamine
 Concen: 41.774 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.8	55.8	83.6
167	36.3	29.4	44.2

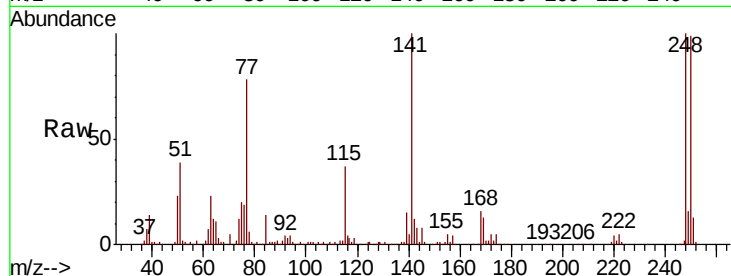




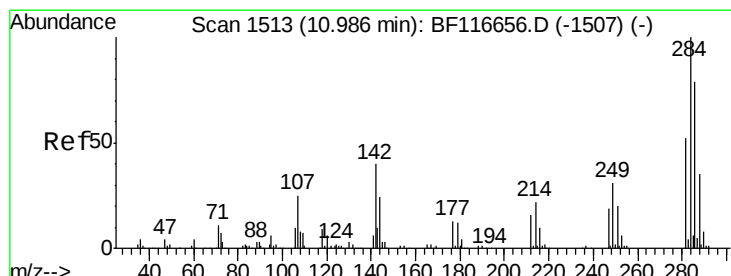
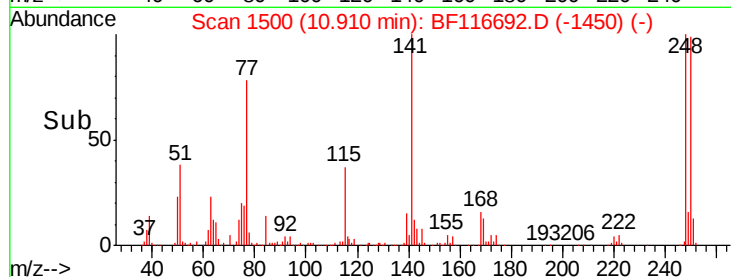
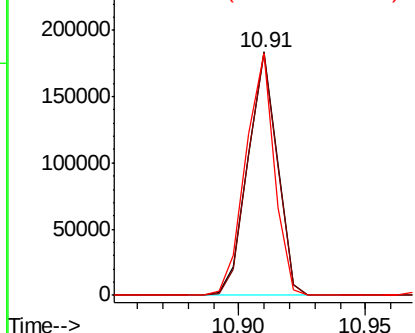
#67
4-Bromophenyl-phenylether
Concen: 40.111 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:248 Resp: 149001
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 99.5 75.9 113.9

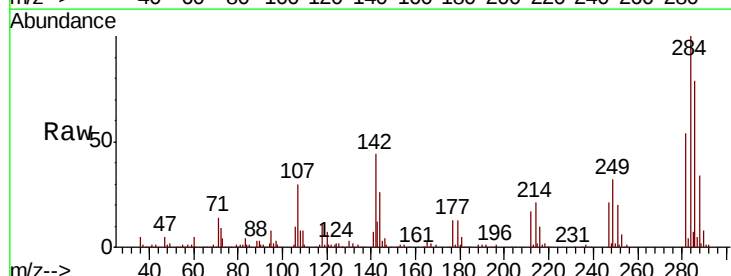


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

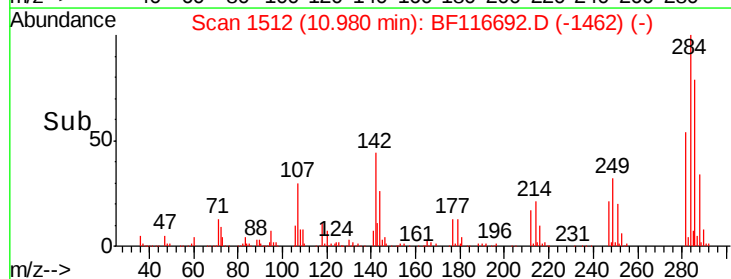
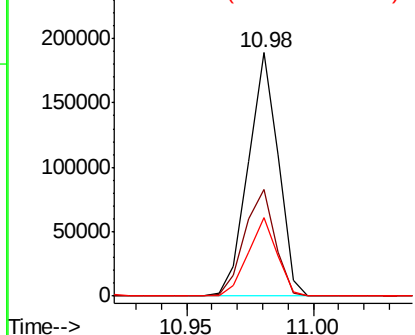


#68
Hexachlorobenzene
Concen: 40.029 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:284 Resp: 155575
Ion Ratio Lower Upper
284 100
142 43.9 34.0 51.0
249 32.3 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 42.985 ng

RT: 11.06 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

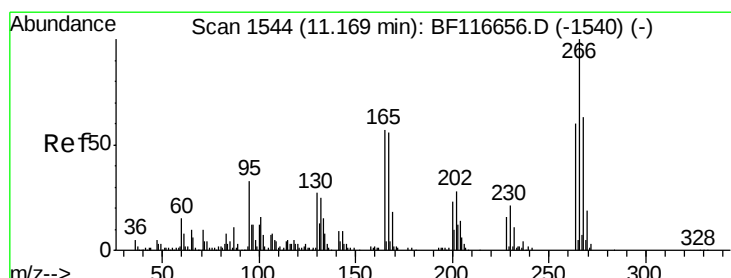
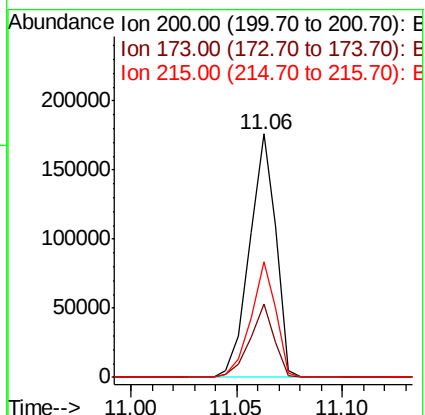
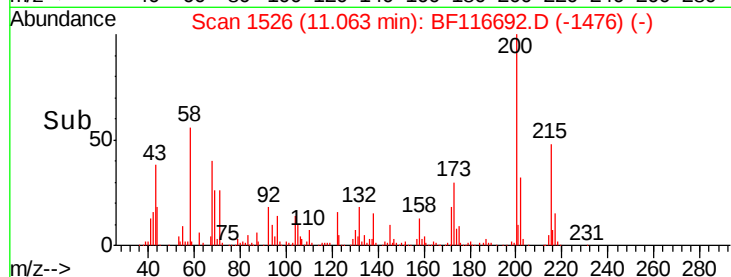
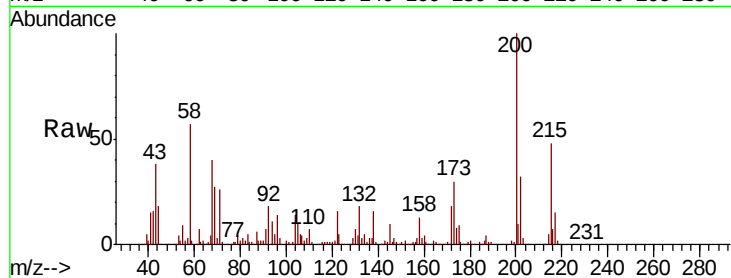
Tot Ion:200 Resp: 152290

Ion Ratio Lower Upper

200 100

173 29.9 6.2 46.2

215 47.7 24.3 64.3



#70

Pentachlorophenol

Concen: 85.016 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

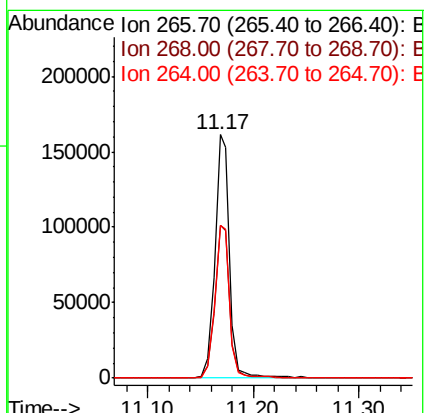
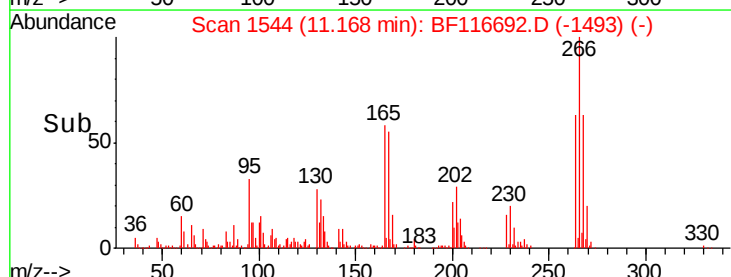
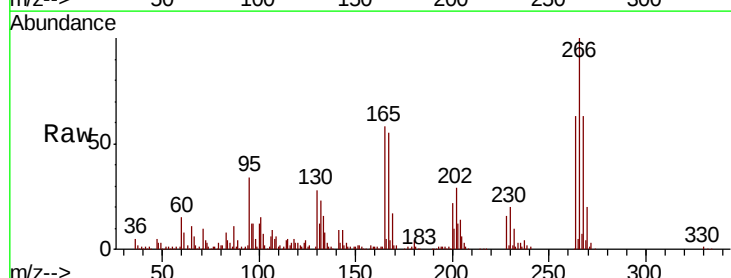
Tgt Ion:266 Resp: 159839

Ion Ratio Lower Upper

266 100

268 62.8 51.2 76.8

264 62.6 51.9 77.9





#71

Phenanthrene

Concen: 51.174 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

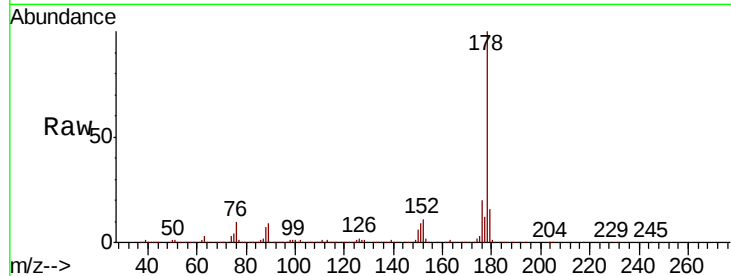
Tot Ion:178 Resp: 1041667

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

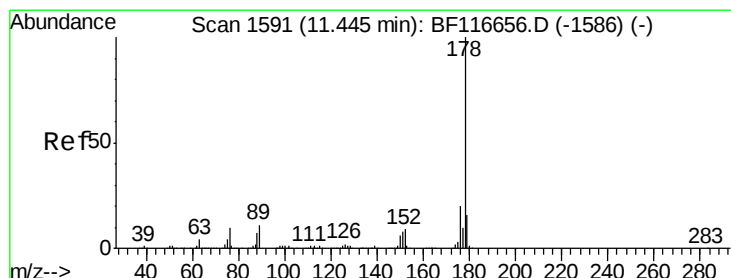
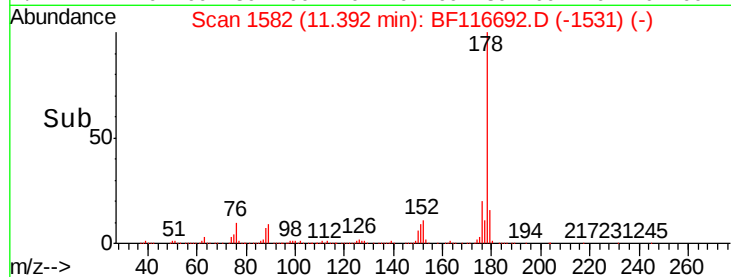
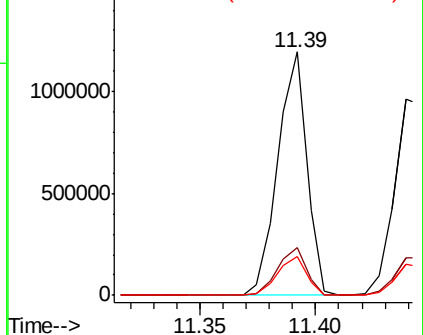
179 15.7 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.761 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

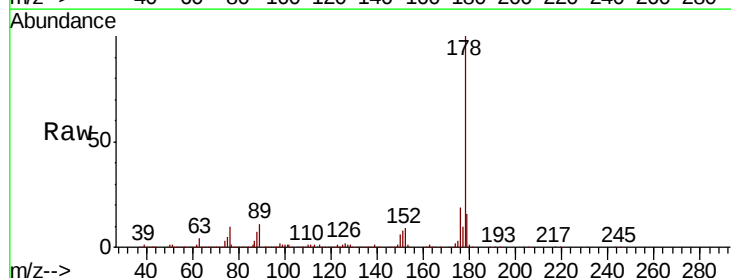
Tgt Ion:178 Resp: 917182

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

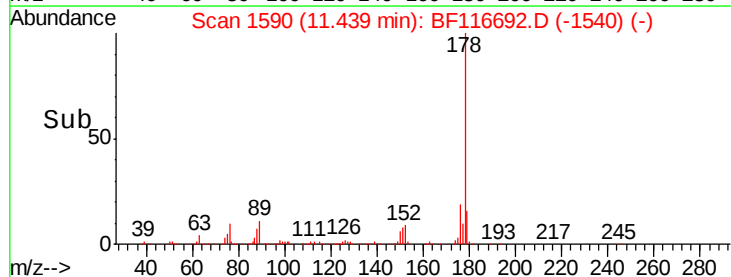
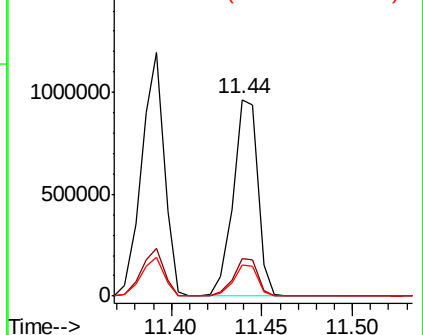
179 15.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

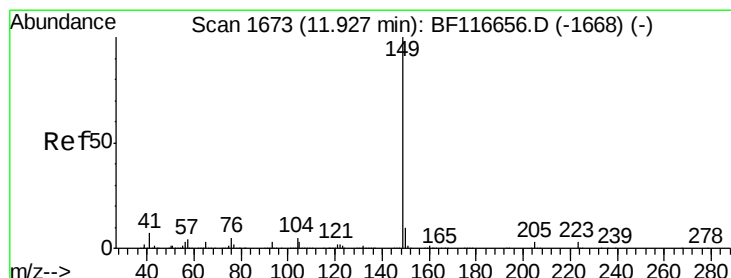
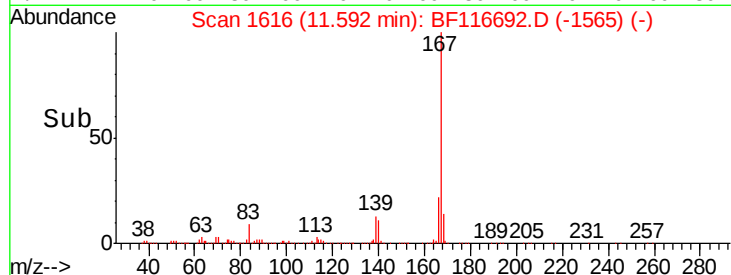
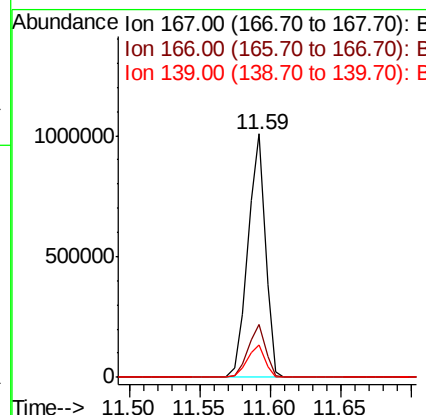
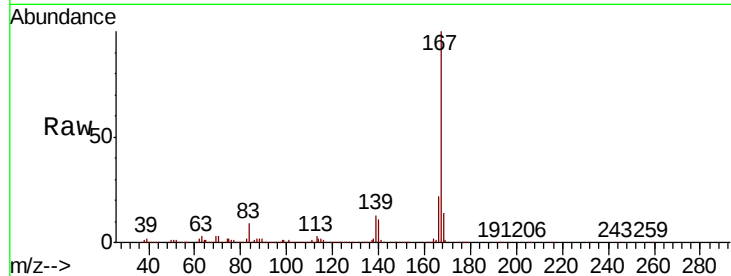




#73
 Carbazole
 Concen: 44.560 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

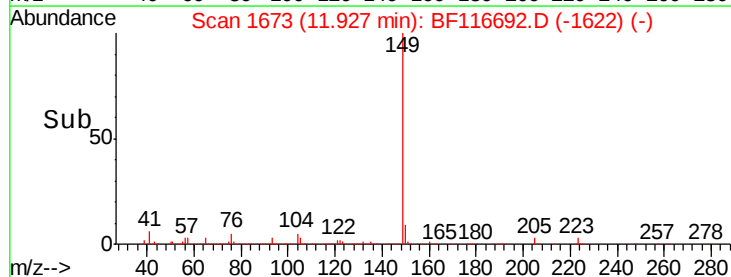
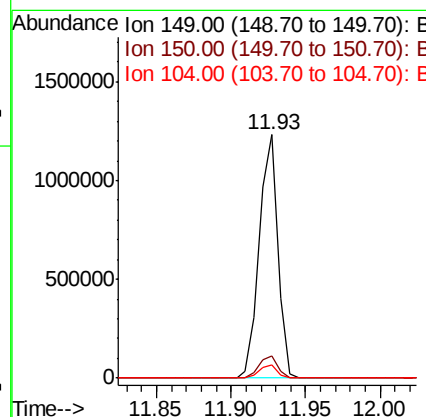
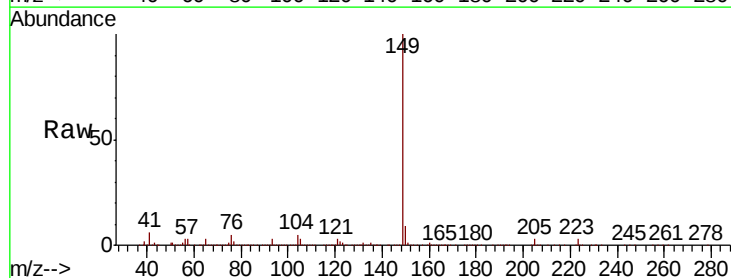
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

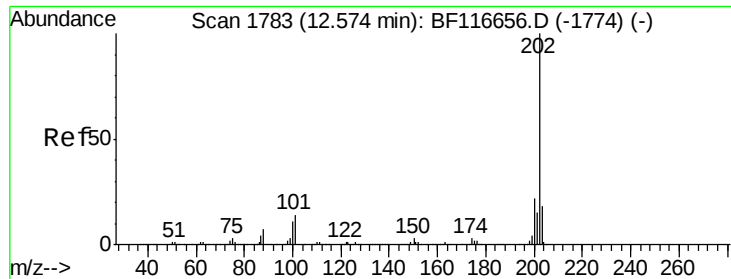
Tot Ion:167 Resp: 869744
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.8 26.6
 139 13.4 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 41.865 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:149 Resp: 1047568
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.2 10.8
 104 5.2 4.2 6.2





#75

Fluoranthene

Concen: 58.290 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

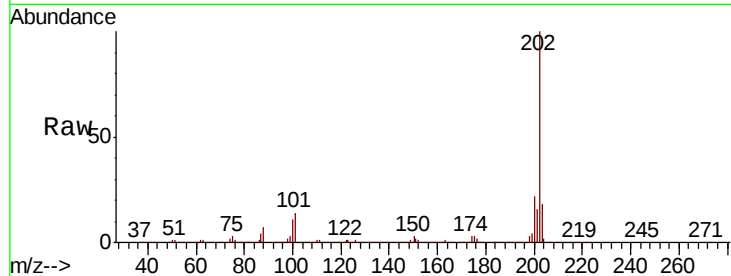
Tot Ion:202 Resp: 1166055

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.3

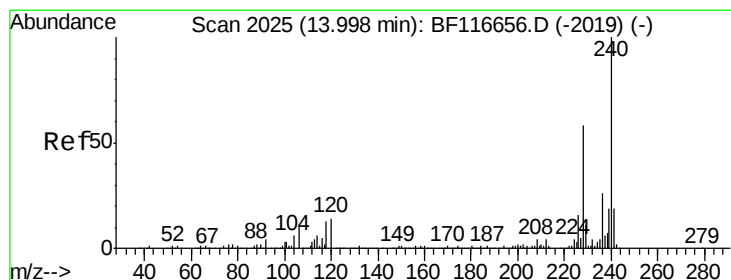
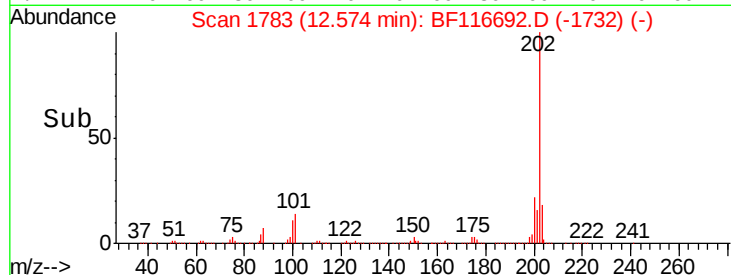
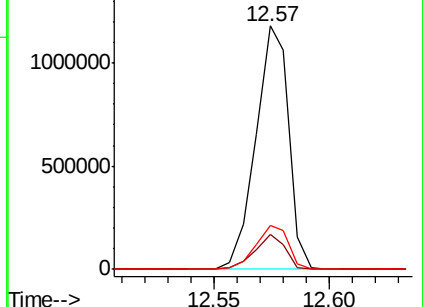
203 18.0 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

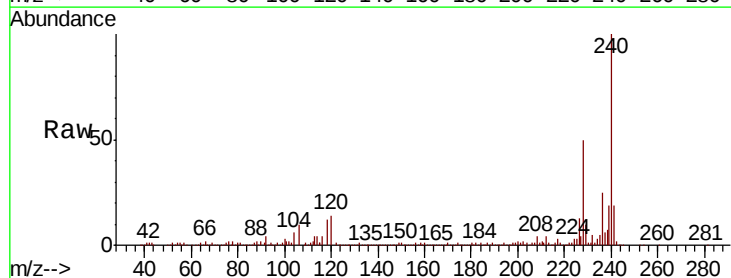
Tgt Ion:240 Resp: 274874

Ion Ratio Lower Upper

240 100

120 13.7 9.1 13.7#

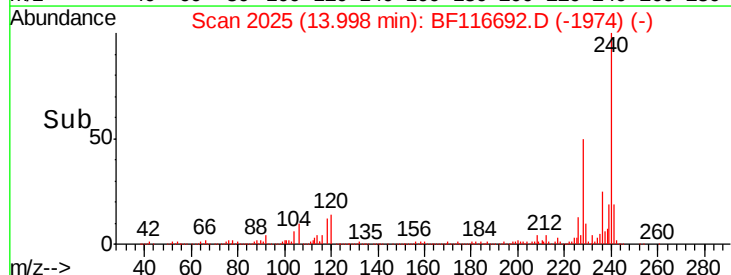
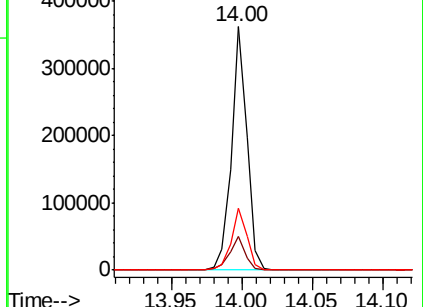
236 25.2 21.1 31.7

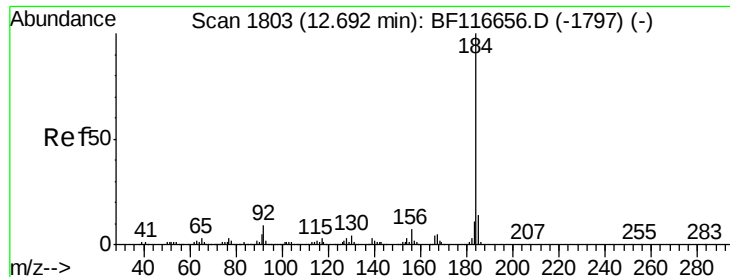


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 33.330 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

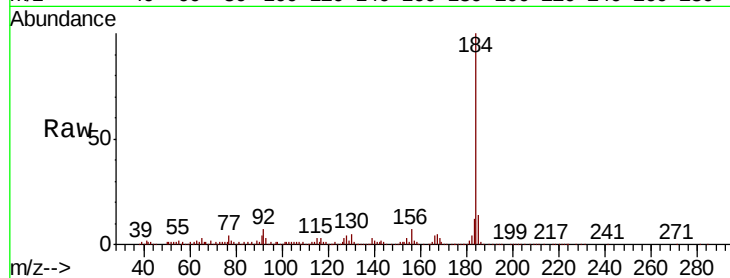
Tot Ion:184 Resp: 359340

Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

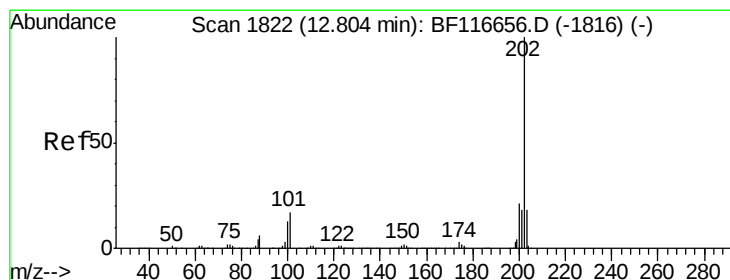
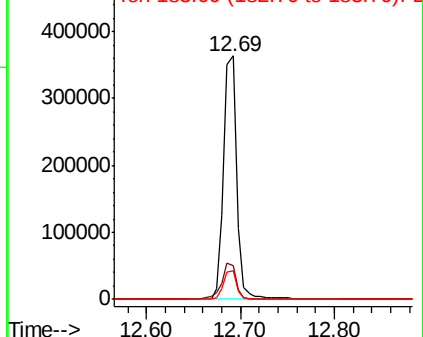
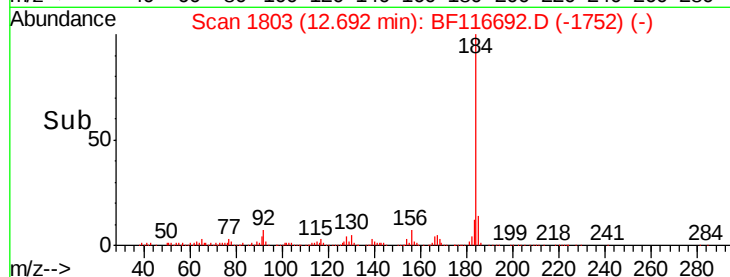
183 11.9 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.246 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

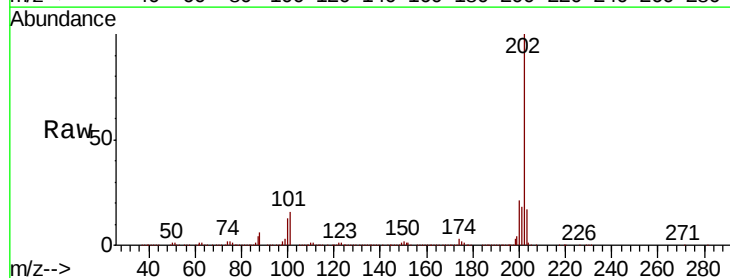
Tgt Ion:202 Resp: 1154423

Ion Ratio Lower Upper

202 100

200 21.5 16.5 24.7

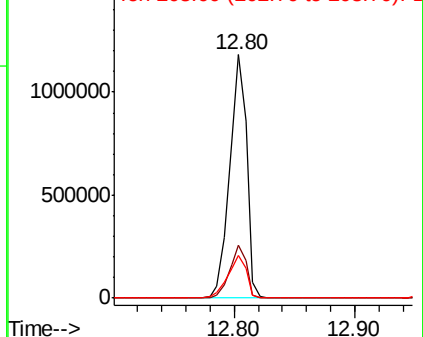
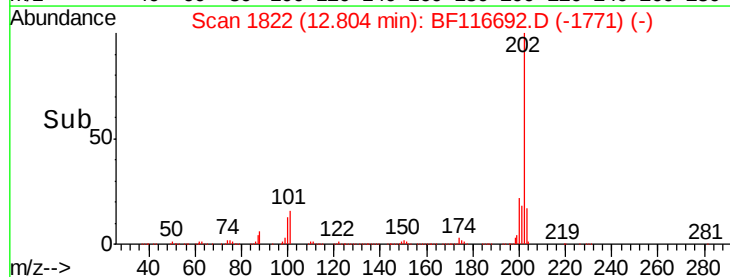
203 17.5 13.7 20.5



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

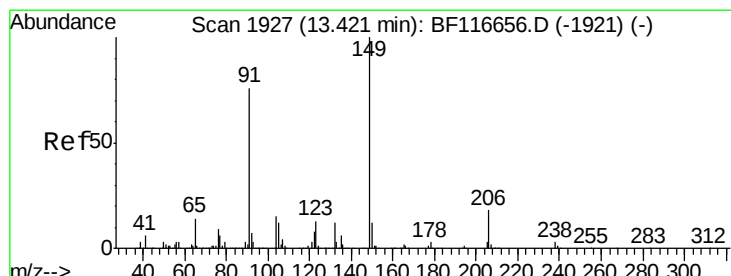
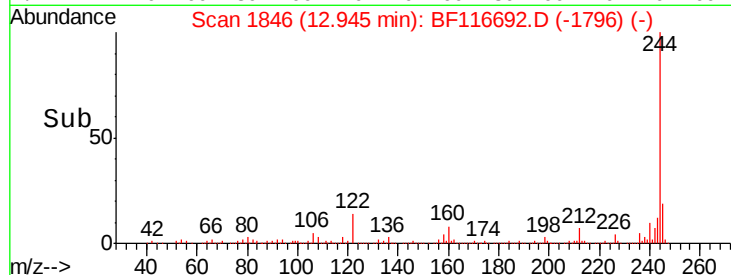
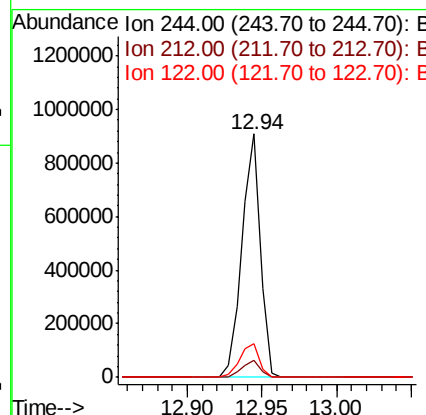
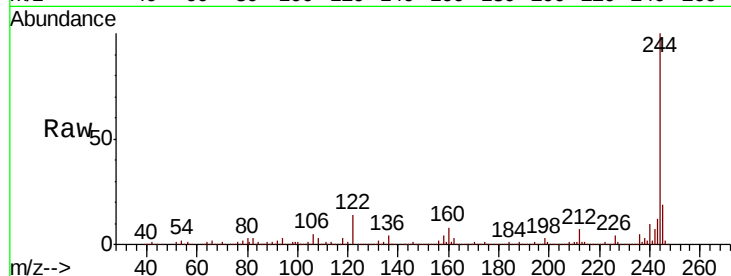




#79
 Terphenyl-d14
 Concen: 52.963 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

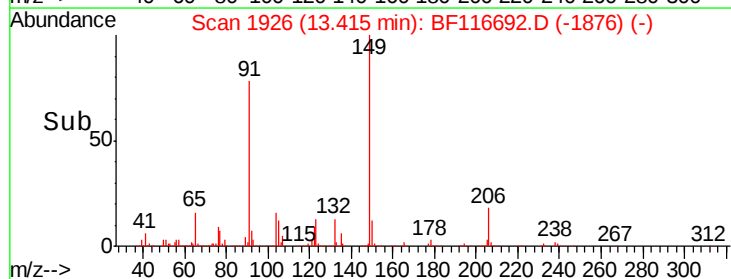
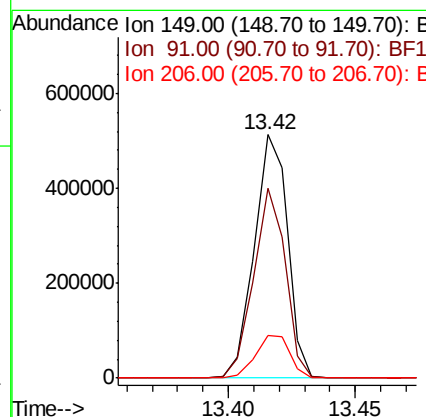
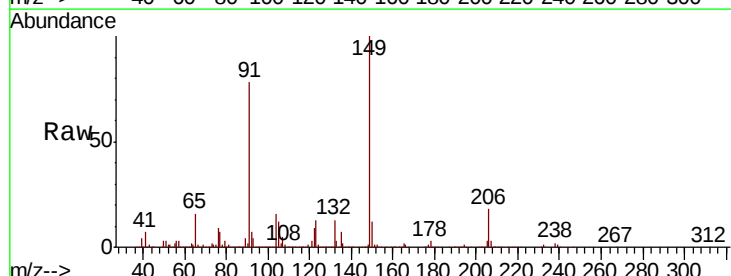
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

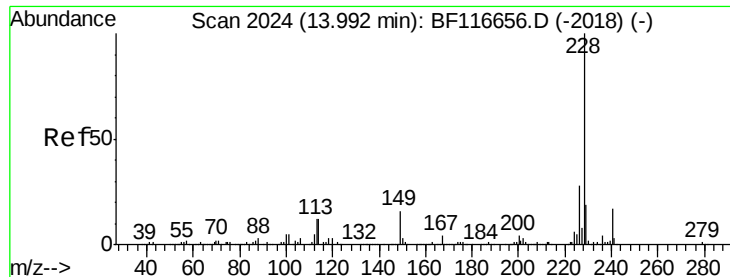
Tot Ion:244 Resp: 786953
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 14.0 10.2 15.4



#80
 Butylbenzylphthalate
 Concen: 39.534 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion:149 Resp: 469760
 Ion Ratio Lower Upper
 149 100
 91 78.2 61.0 91.4
 206 17.7 14.8 22.2





#81

Benzo(a)anthracene

Concen: 47.816 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

T4-S-CMSD

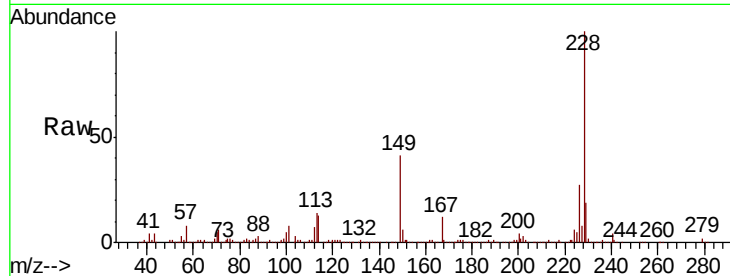
Tot Ion:228 Resp: 831848

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

229 19.1 16.4 24.6

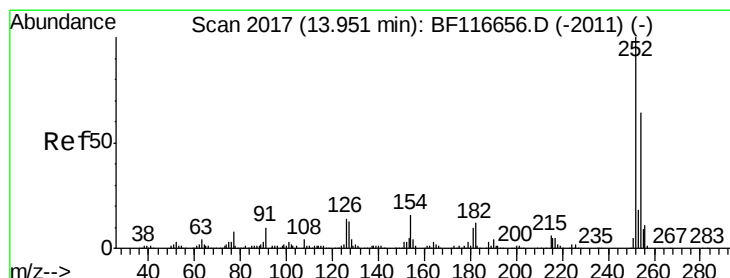
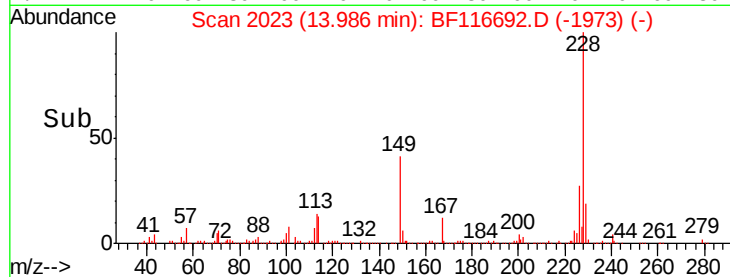
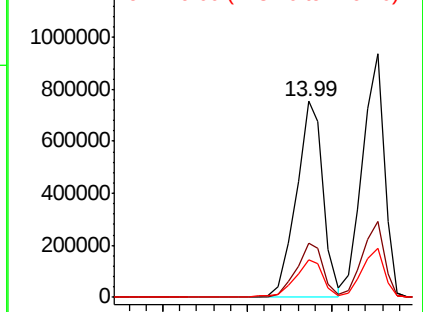


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 30.030 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF116692.D

Acq: 31 Aug 2019 12:02

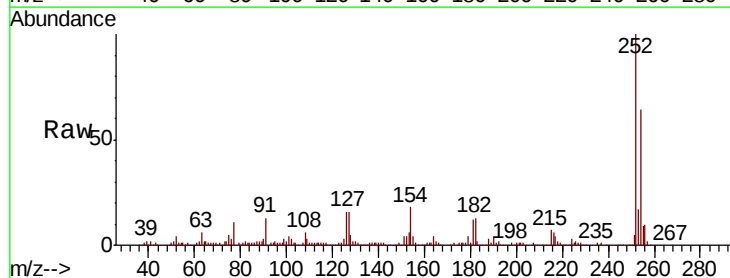
Tgt Ion:252 Resp: 176550

Ion Ratio Lower Upper

252 100

254 63.9 50.1 75.1

126 16.2 10.6 16.0#

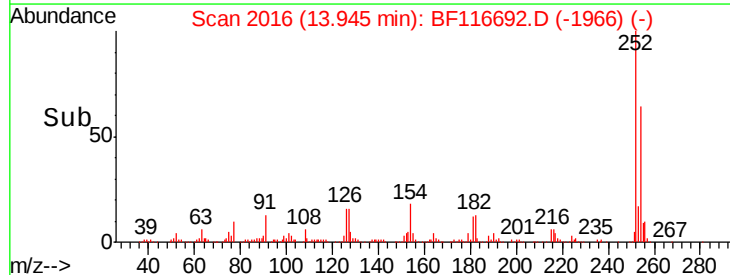
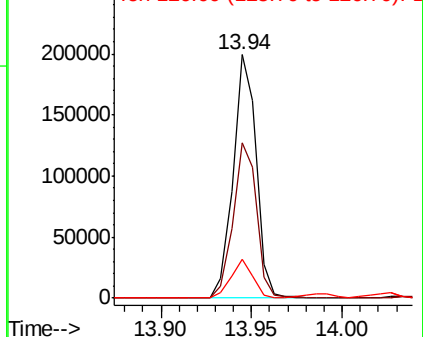


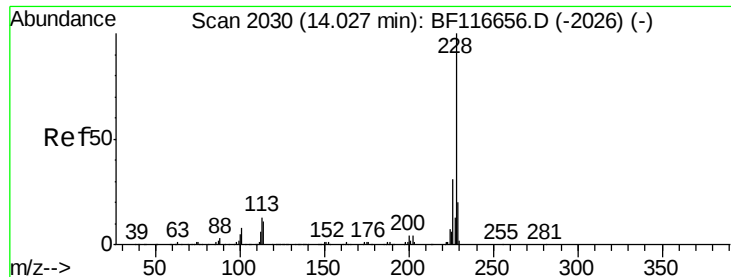
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

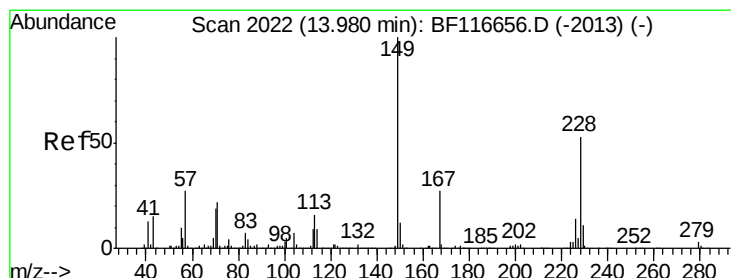
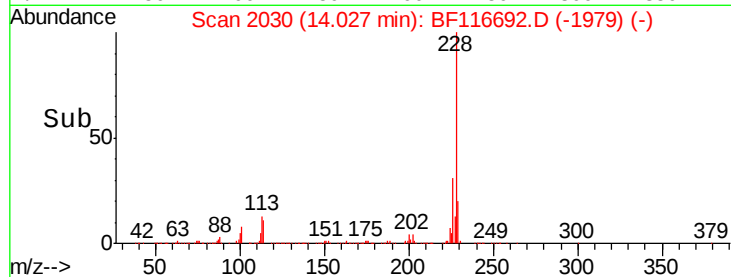
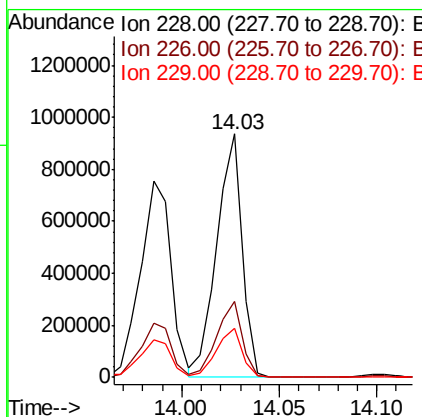
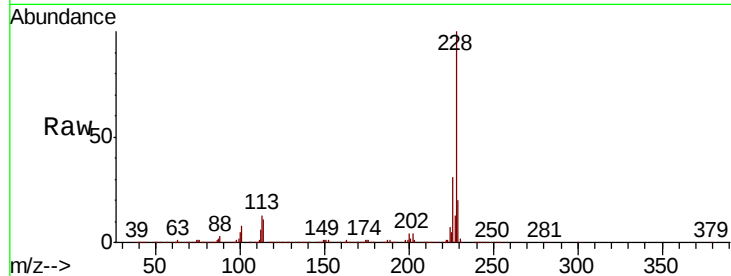




#83
 Chrvsene
 Concen: 47.141 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

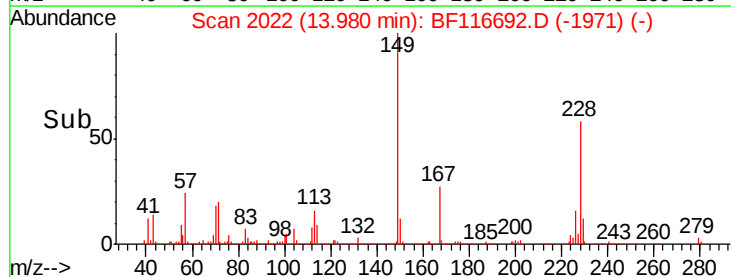
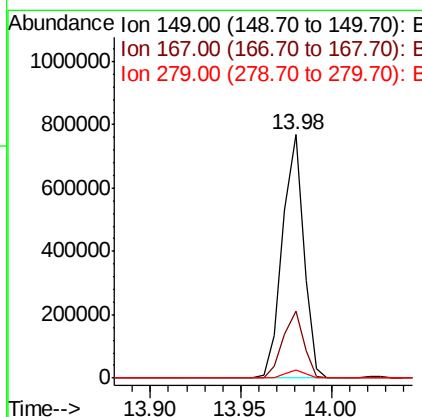
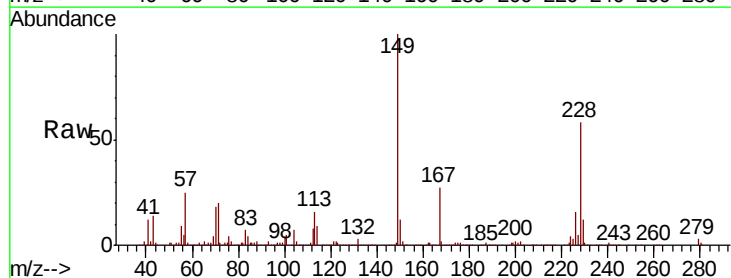
Instrument :
 BNA_F
 ClientSampleId :
 T4-S-CMSD

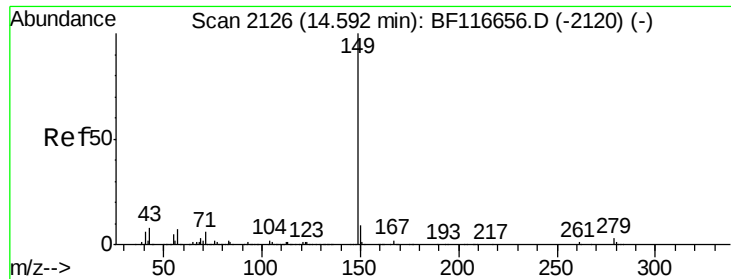
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	20.3	15.4	23.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.990 ng
 RT: 13.98 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BF116692.D
 Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.0	31.4
279	3.3	2.8	4.2

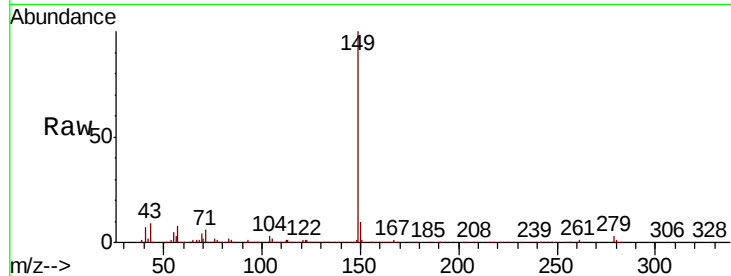




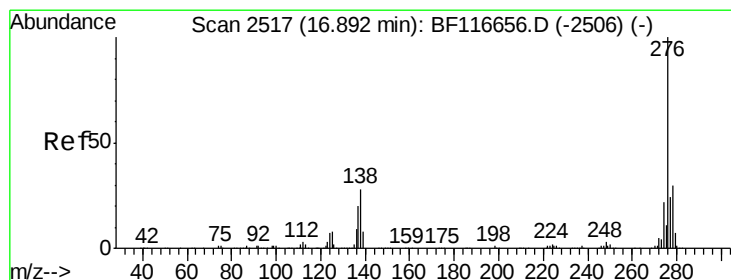
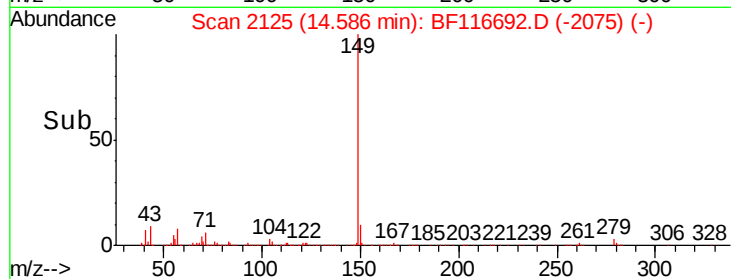
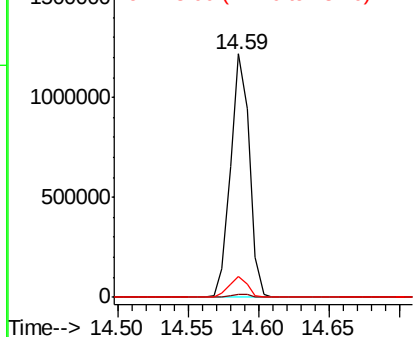
#85
Di-n-octyl phthalate
Concen: 46.945 ng
RT: 14.59 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:149 Resp: 1126838
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.3 7.8 11.8

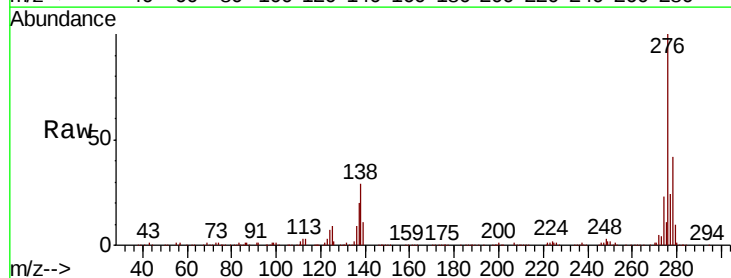


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

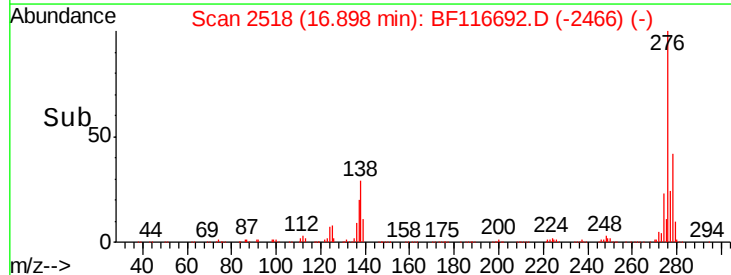
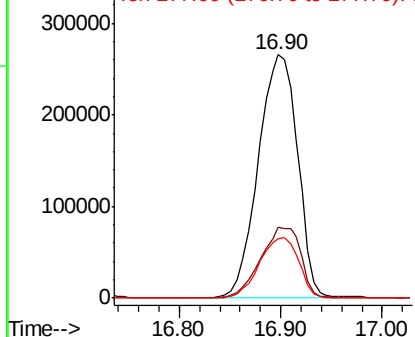


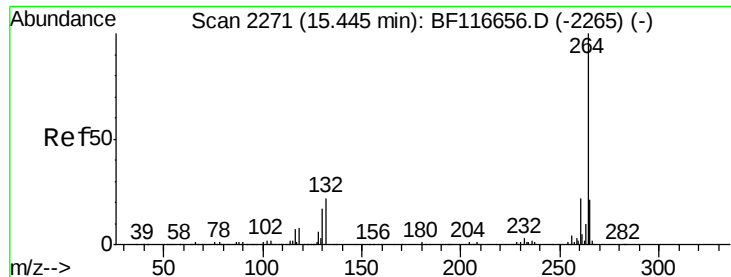
#86
Indeno(1,2,3-cd)pyrene
Concen: 49.801 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:276 Resp: 716940
Ion Ratio Lower Upper
276 100
138 30.0 19.4 29.2#
277 25.3 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

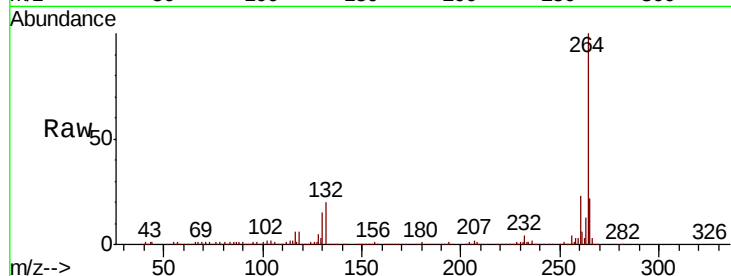




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	21.9	16.5	24.7

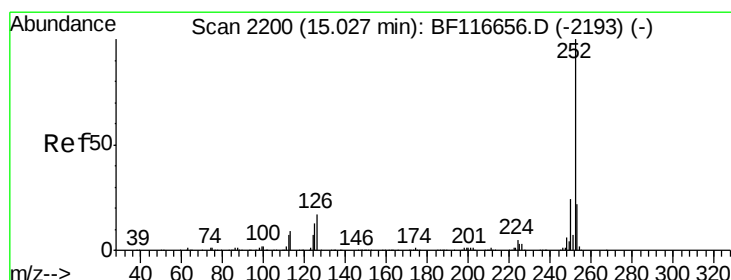
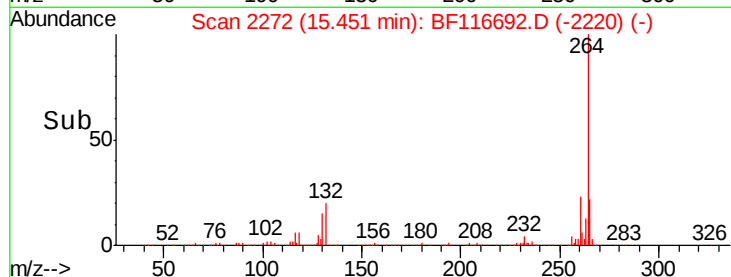
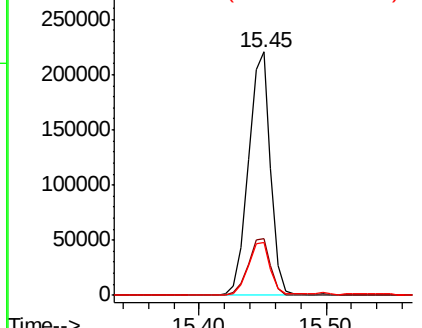


Abundance

Ion 264.00 (263.70 to 264.70): E

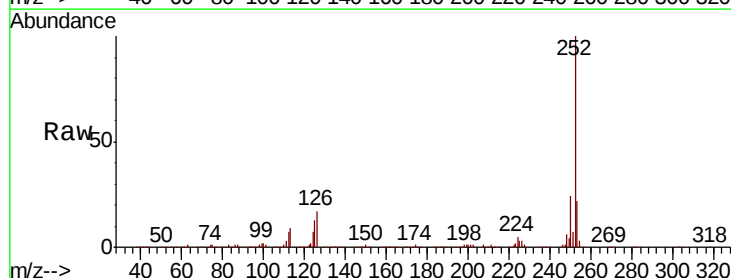
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 49.193 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	13.1	8.2	12.2#

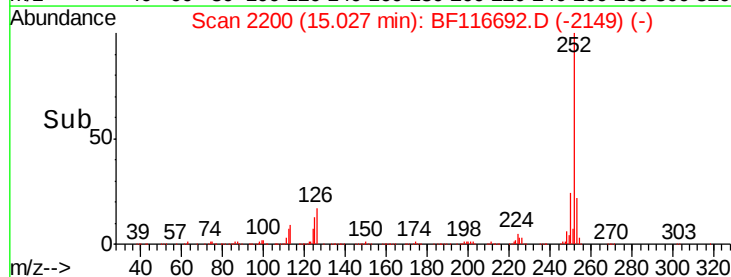
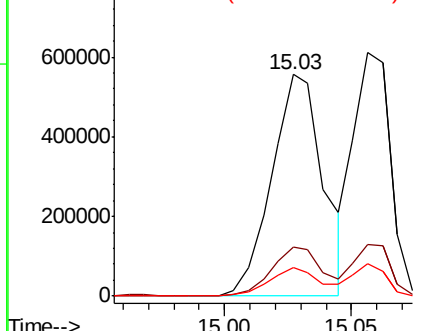


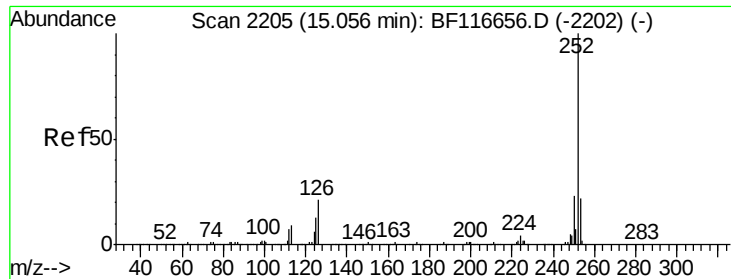
Abundance

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

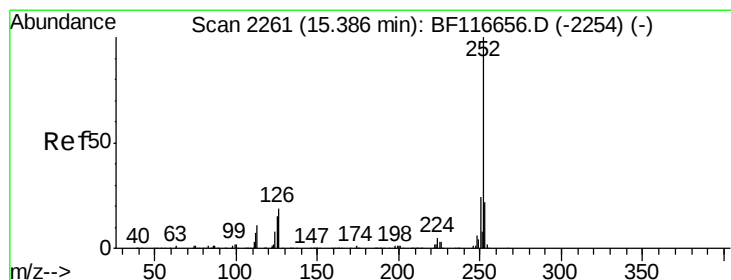
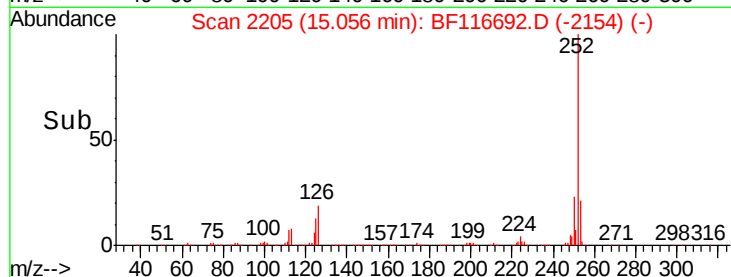
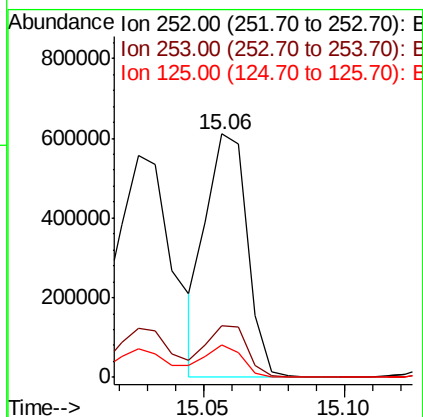
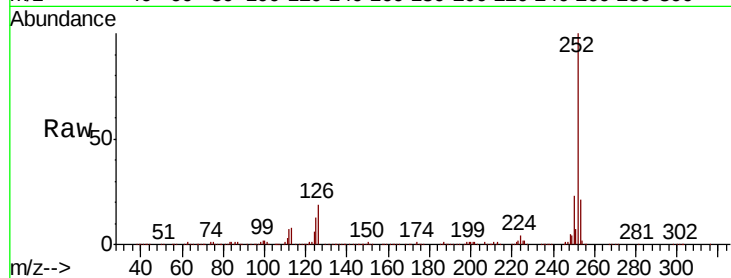




#89
Benzo(k)fluoranthene
Concen: 42.495 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

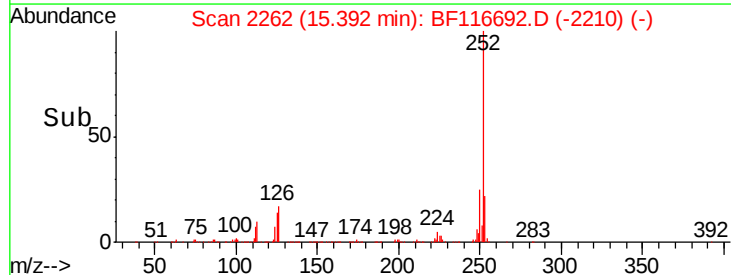
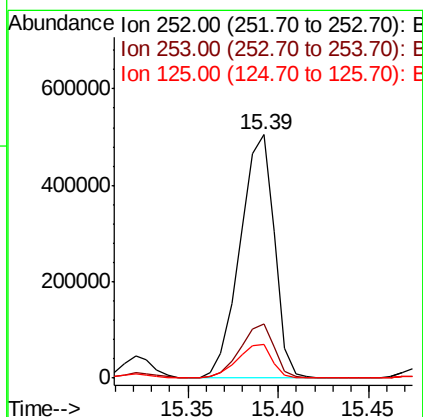
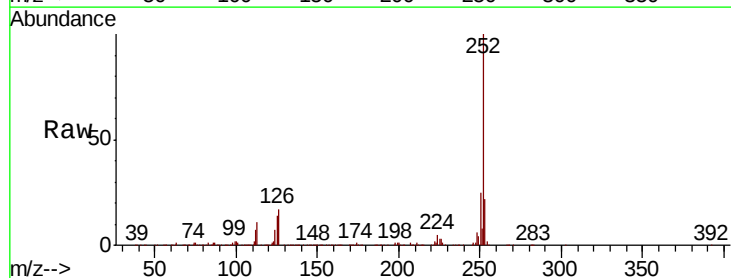
Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

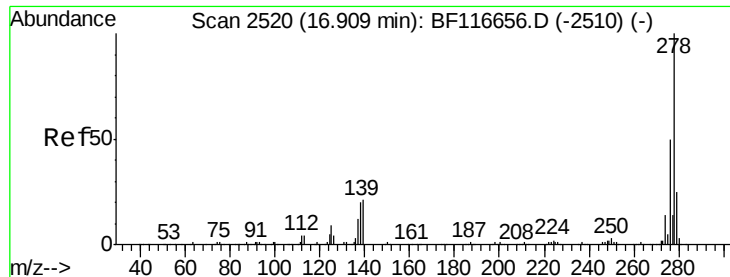
Tot Ion:252 Resp: 622858
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 13.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 47.331 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:252 Resp: 661957
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 13.7 9.8 14.8

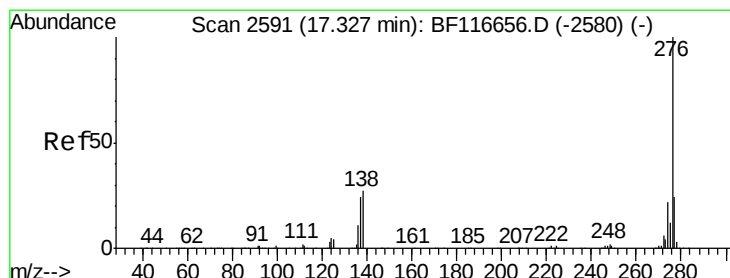
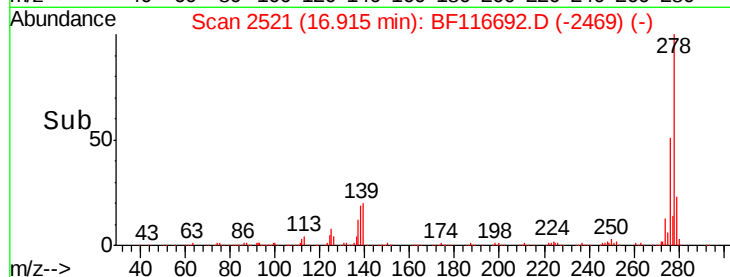
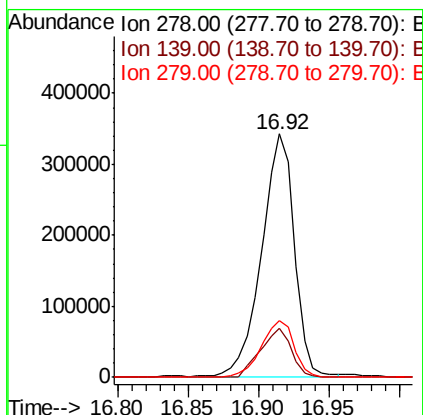
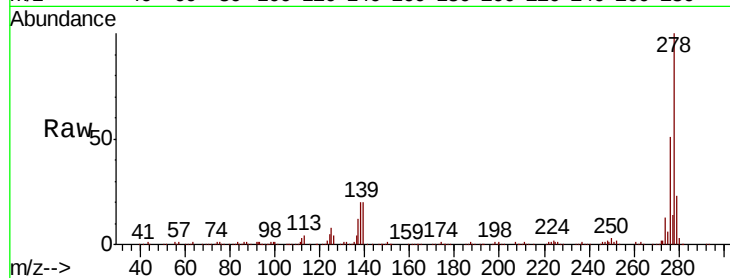




#91
Dibenzo(a,h)anthracene
Concen: 45.102 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :
T4-S-CMSD

Tot Ion:278 Resp: 552129
Ion Ratio Lower Upper
278 100
139 20.0 12.4 18.6#
279 23.5 18.2 27.4



#92
Benzo(g,h,i)perylene
Concen: 49.836 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116692.D
Acq: 31 Aug 2019 12:02

Tgt Ion:276 Resp: 622211
Ion Ratio Lower Upper
276 100
277 23.5 18.5 27.7
138 25.2 16.2 24.2#

