

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116666.D
 Acq On : 30 Aug 2019 22:48
 Operator : HP/JU
 Sample : K4591-06MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 03:40:40 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	98112	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	397205	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	207799	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	351458	20.00	ng	0.00
76) Chrysene-d12	14.00	240	263663	20.00	ng	0.00
87) Perylene-d12	15.45	264	278121	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	858927	141.83	ng	0.00
7) Phenol-d6	6.48	99	1190786	149.74	ng	0.00
23) Nitrobenzene-d5	7.41	82	733895	105.48	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	230478	165.91	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1202802	97.64	ng	0.00
79) Terphenyl-d14	12.94	244	1232948	86.51	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.60	88	120256	43.016	ng	99
3) Pyridine	3.36	79	315936	39.031	ng	94
4) n-Nitrosodimethylamine	3.29	42	132282	47.591	ng	79
6) Aniline	6.51	93	400039	36.320	ng	97
8) 2-Chlorophenol	6.63	128	338751	51.240	ng	95
9) Benzaldehyde	6.39	77	242908	46.365	ng	99
10) Phenol	6.49	94	490754	55.731	ng	99
11) bis(2-Chloroethyl)ether	6.58	93	334641	48.806	ng	97
12) 1,3-Dichlorobenzene	6.79	146	349128	46.726	ng	96
13) 1,4-Dichlorobenzene	6.86	146	358097	48.139	ng	98
14) 1,2-Dichlorobenzene	7.02	146	329653	47.819	ng	97
15) Benzyl Alcohol	6.99	79	329868	51.102	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	377318	46.904	ng	98
17) 2-Methylphenol	7.10	107	293561	50.725	ng	97
18) Hexachloroethane	7.36	117	135854	47.006	ng	# 88
19) n-Nitroso-di-n-propylamine	7.26	70	257483	49.175	ng	91
20) 3+4-Methylphenols	7.25	107	352586	52.398	ng	# 80
22) Acetophenone	7.26	105	478679	50.057	ng	# 91
24) Nitrobenzene	7.43	77	381780	53.951	ng	96
25) Isophorone	7.67	82	724598	51.394	ng	99
26) 2-Nitrophenol	7.75	139	162815	61.886	ng	91
27) 2,4-Dimethylphenol	7.78	122	313266	58.959	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	434062	50.380	ng	99
29) 2,4-Dichlorophenol	7.99	162	281171	55.064	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	272721	49.242	ng	95
31) Naphthalene	8.15	128	982658	52.027	ng	99
32) Benzoic acid	7.90	122	156922	52.305	ng	95
33) 4-Chloroaniline	8.19	127	126872	14.757	ng	97
34) Hexachlorobutadiene	8.27	225	144719	47.923	ng	99
35) Caprolactam	8.56	113	58223	30.468	ng	97
36) 4-Chloro-3-methylphenol	8.67	107	336839	57.395	ng	99
37) 2-Methylnaphthalene	8.85	142	666729	53.055	ng	96
38) 1-Methylnaphthalene	8.94	142	628149	52.950	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	238552	47.889	ng	# 97

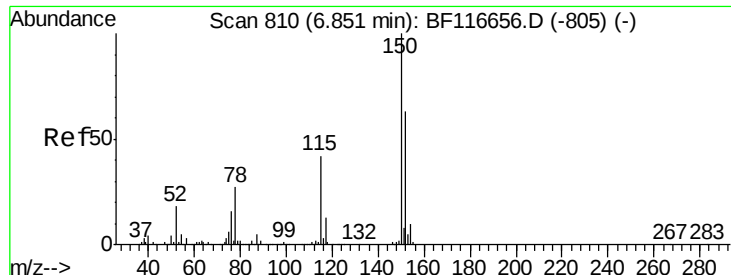
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	282951	98.364	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	182246	53.371	ng	97
44) 2,4,5-Trichlorophenol	9.16	196	198210	55.912	ng	92
46) 1,1'-Biphenyl	9.30	154	791293	50.183	ng	98
47) 2-Chloronaphthalene	9.33	162	616618	49.373	ng	97
48) 2-Nitroaniline	9.42	65	203759	56.434	ng	99
49) Acenaphthylene	9.75	152	996574	52.789	ng	99
50) Dimethylphthalate	9.60	163	854193	59.541	ng	100
51) 2,6-Dinitrotoluene	9.66	165	165188	60.350	ng	95
52) Acenaphthene	9.92	154	640551	55.222	ng	99
53) 3-Nitroaniline	9.83	138	104301	30.406	ng	91
54) 2,4-Dinitrophenol	9.93	184	102800	102.924	ng	# 86
55) Dibenzofuran	10.09	168	861962	52.712	ng	95
56) 4-Nitrophenol	9.99	139	297130	126.328	ng	92
57) 2,4-Dinitrotoluene	10.07	165	220027	65.740	ng	94
58) Fluorene	10.43	166	666229	53.471	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	143012	55.897	ng	96
60) Diethylphthalate	10.30	149	751861	52.319	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	280855	51.476	ng	91
62) 4-Nitroaniline	10.45	138	196521	59.034	ng	95
63) Azobenzene	10.58	77	809871	54.047	ng	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	80297	59.856	ng	81
66) n-Nitrosodiphenylamine	10.54	169	628438	51.689	ng	97
67) 4-Bromophenyl-phenylether	10.91	248	174472	48.867	ng	96
68) Hexachlorobenzene	10.98	284	180588	48.344	ng	96
69) Atrazine	11.06	200	179887	52.828	ng	96
70) Pentachlorophenol	11.17	266	191293	105.860	ng	98
71) Phenanthrene	11.39	178	1011791	51.716	ng	99
72) Anthracene	11.44	178	1045735	53.098	ng	99
73) Carbazole	11.59	167	1004622	53.551	ng	100
74) Di-n-butylphthalate	11.93	149	1254608	52.167	ng	99
75) Fluoranthene	12.57	202	1075464	55.935	ng	97
77) Benzidine	12.69	184	479067	46.325	ng	100
78) Pyrene	12.80	202	1081843	46.158	ng	98
80) Butylbenzylphthalate	13.42	149	569312	49.949	ng	98
81) Benzo(a)anthracene	13.99	228	828932	49.675	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	196502	34.845	ng	# 97
83) Chrysene	14.03	228	871650	50.701	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	741587	52.708	ng	99
85) Di-n-octyl phthalate	14.59	149	1371767	59.578	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	849288	61.503	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	856288	50.925	ng	98
89) Benzo(k)fluoranthene	15.06	252	752723	49.097	ng	98
90) Benzo(a)pyrene	15.39	252	776195	53.058	ng	97
91) Dibenzo(a,h)anthracene	16.92	278	690846	53.952	ng	# 96
92) Benzo(g,h,i)perylene	17.34	276	719960	55.130	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

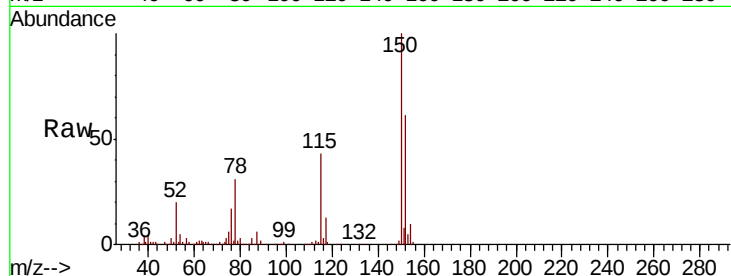
Tot Ion:152 Resp: 98112

Ion Ratio Lower Upper

152 100

150 162.8 124.4 186.6

115 69.6 49.9 74.9

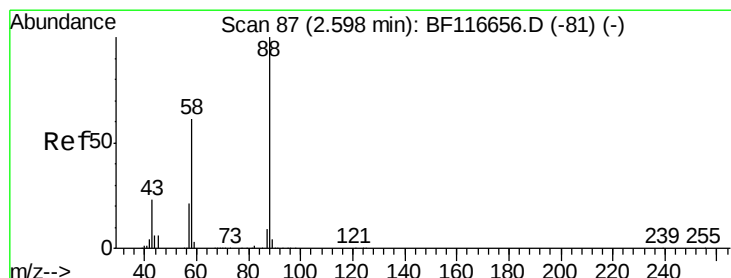
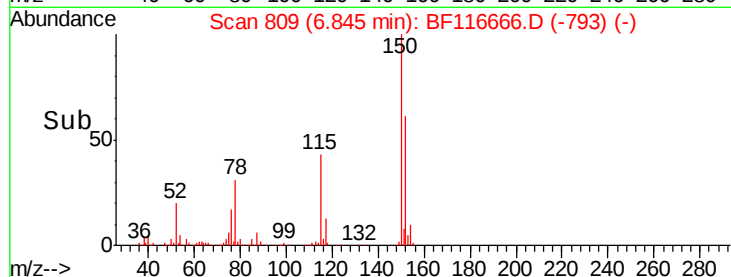
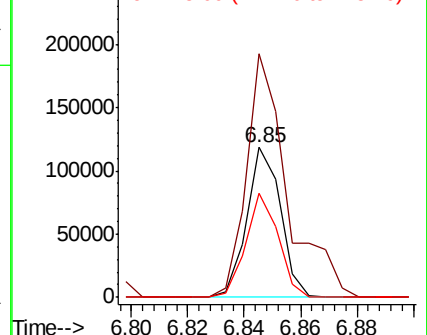


Abundance

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: 43.016 ng

RT: 2.60 min Scan# 88

Delta R.T. 0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

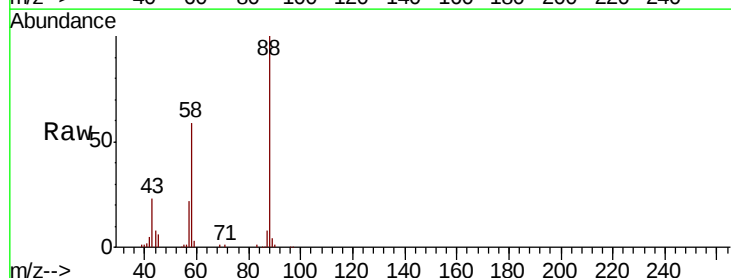
Tgt Ion: 88 Resp: 120256

Ion Ratio Lower Upper

88 100

58 65.1 51.7 77.5

43 23.5 19.8 29.8

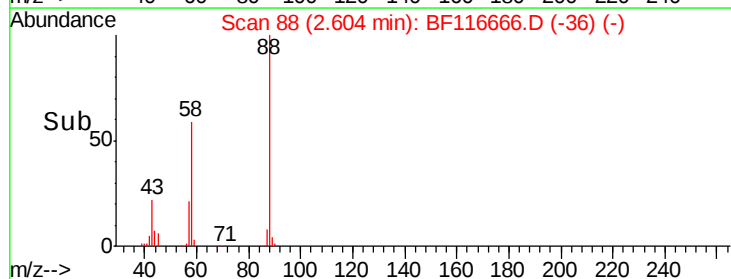
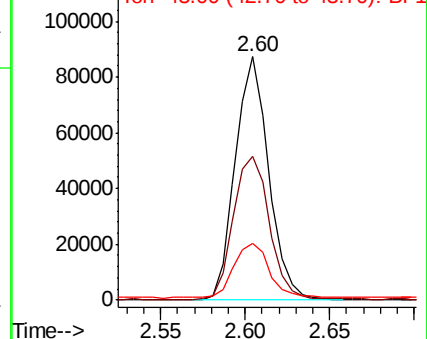


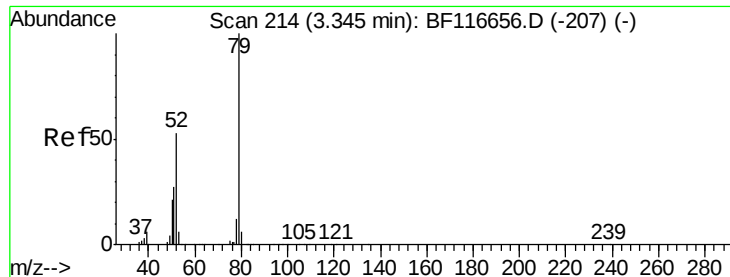
Abundance

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: 39.031 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

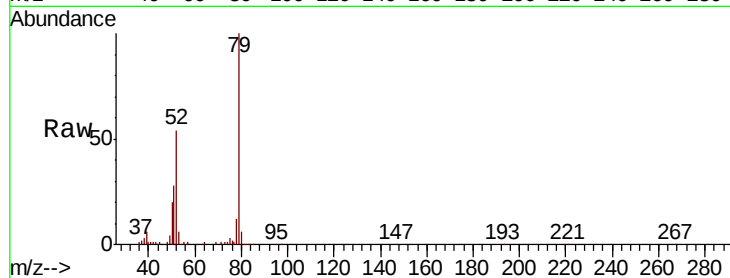
Tot Ion: 79 Resp: 315936

Ion Ratio Lower Upper

79 100

52 53.8 47.4 71.0

51 28.2 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

150000

100000

50000

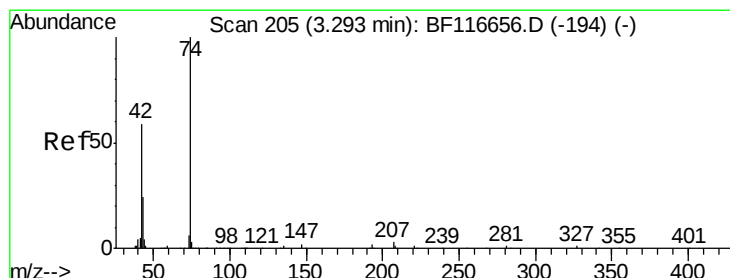
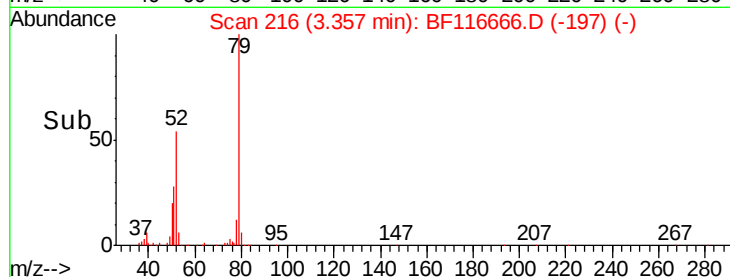
0

3.36

3.30 3.40 3.50 3.60



Time-->



#4

n-Nitrosodimethylamine

Concen: 47.591 ng

RT: 3.29 min Scan# 205

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

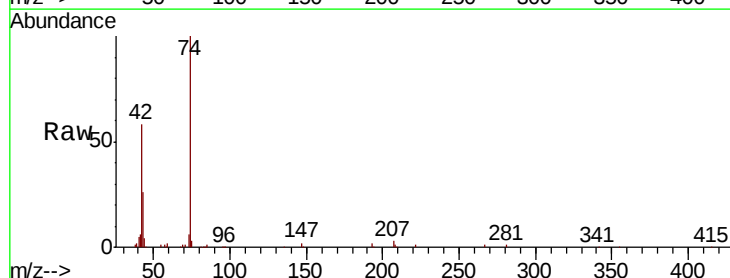
Tgt Ion: 42 Resp: 132282

Ion Ratio Lower Upper

42 100

74 171.1 115.6 173.4

44 6.8 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

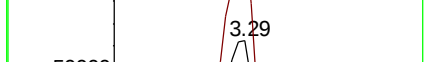
100000

50000

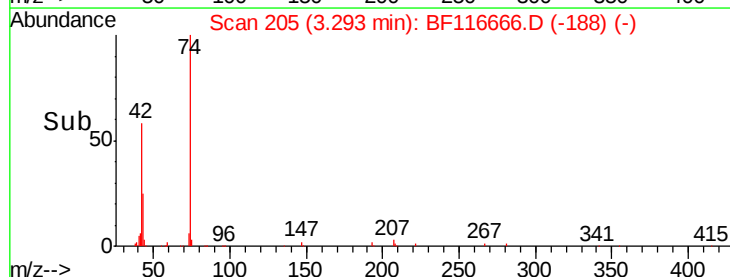
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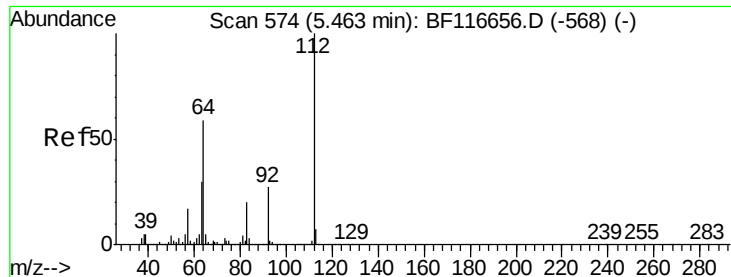
3.29

3.20 3.30 3.40



Time-->





#5

2-Fluorophenol

Concen: 141.829 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

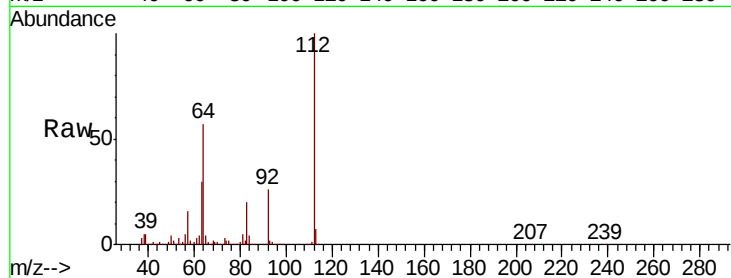
Tot Ion:112 Resp: 858927

Ion Ratio Lower Upper

112 100

64 57.1 47.1 70.7

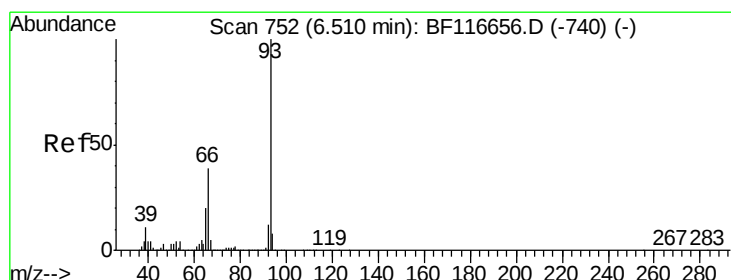
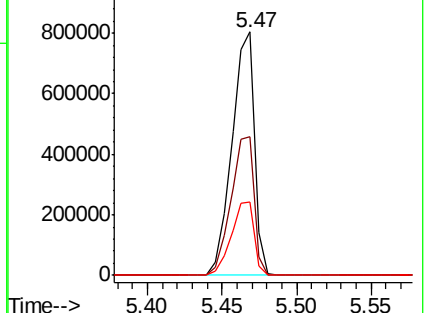
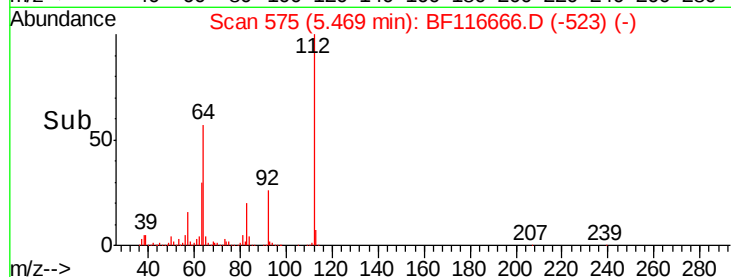
63 30.3 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 36.320 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

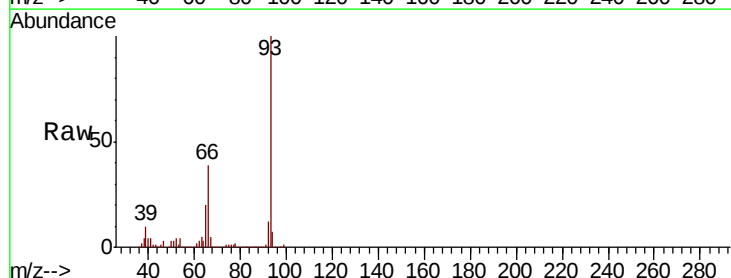
Tgt Ion: 93 Resp: 400039

Ion Ratio Lower Upper

93 100

66 38.7 32.7 49.1

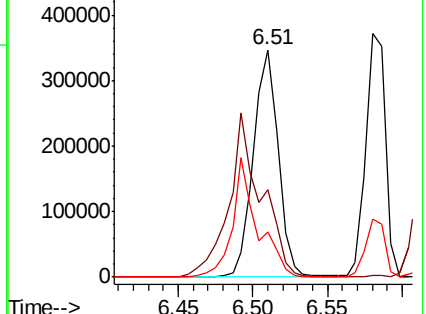
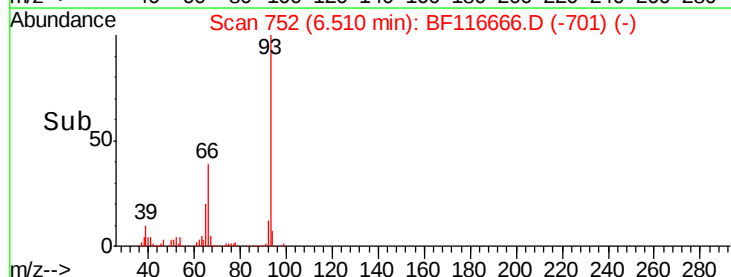
65 19.8 16.3 24.5

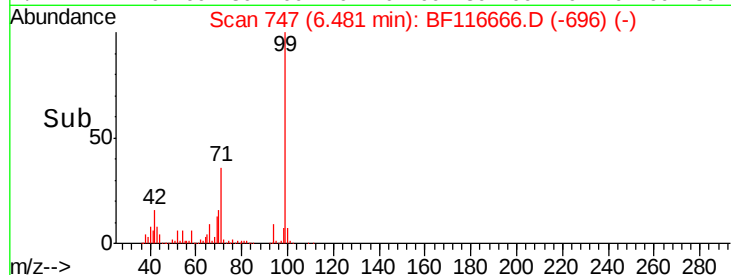
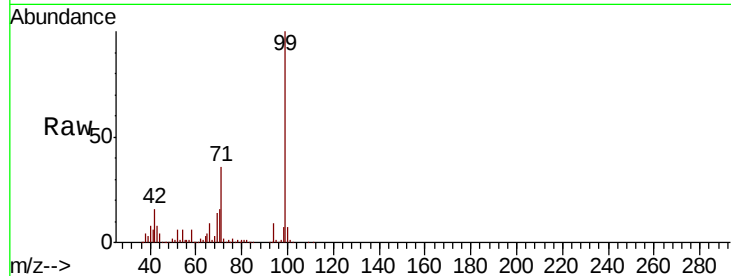
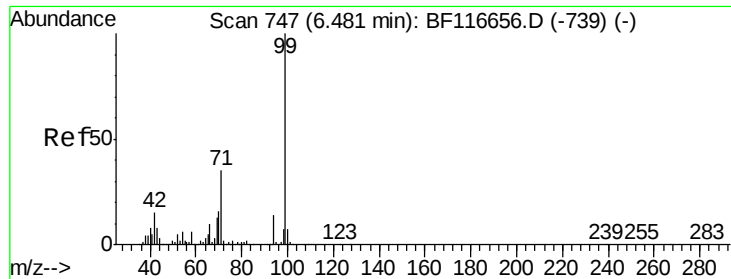


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 149.741 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

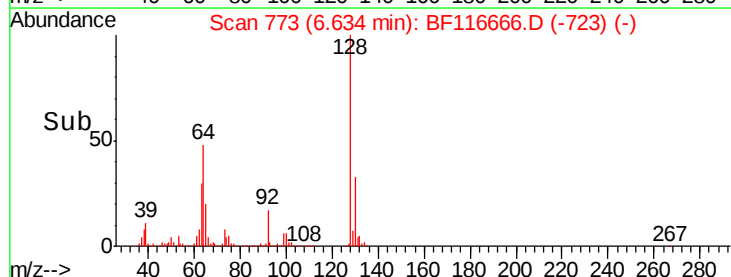
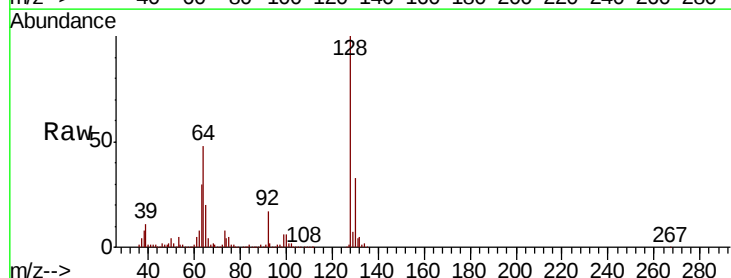
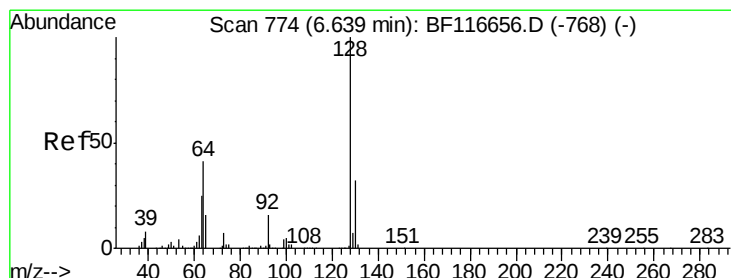
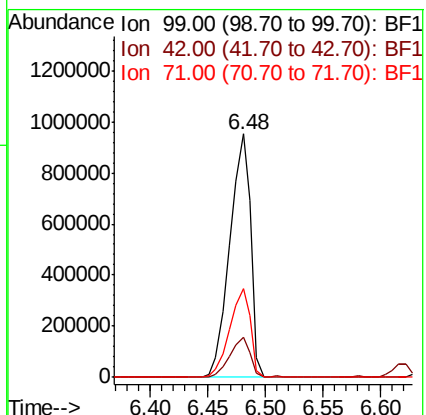
Tot Ion: 99 Resp: 1190786

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

71 36.4 30.8 46.2



#8

2-Chlorophenol

Concen: 51.240 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

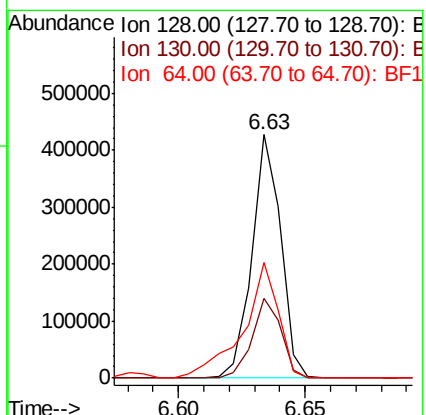
Tgt Ion: 128 Resp: 338751

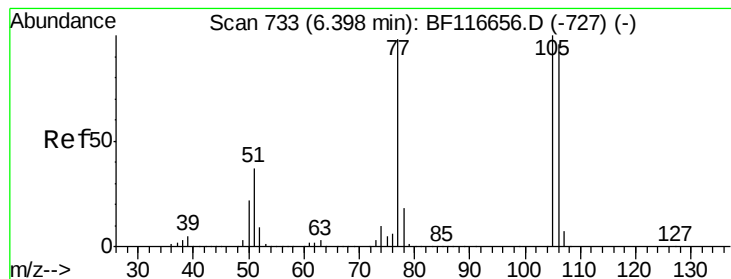
Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

64 47.7 22.5 62.5





#9

Benzaldehyde

Concen: 46.365 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

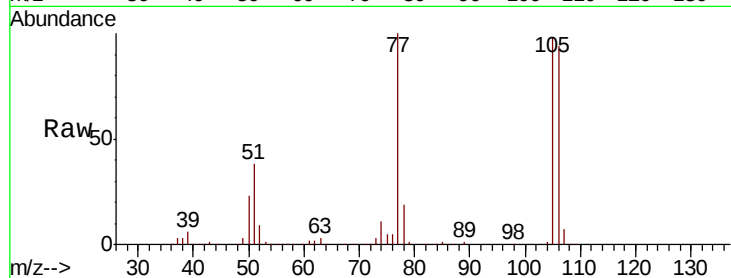
Tot Ion: 77 Resp: 242908

Ion Ratio Lower Upper

77 100

105 98.3 76.7 116.7

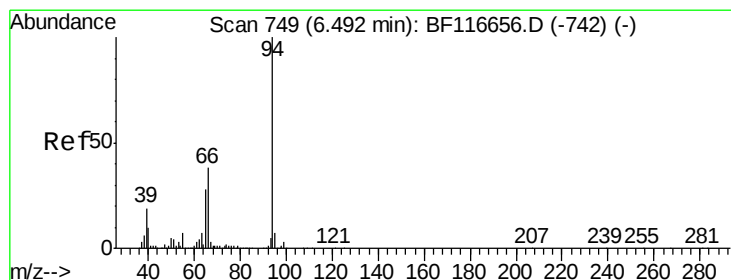
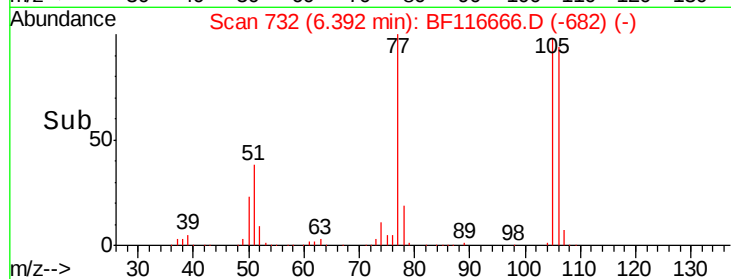
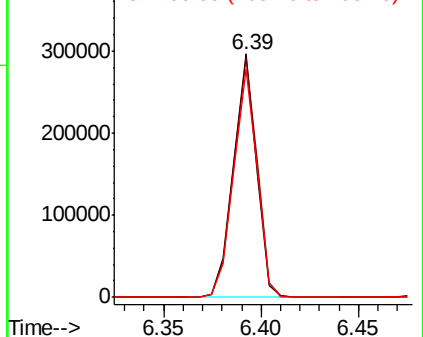
106 93.8 73.1 113.1



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 55.731 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

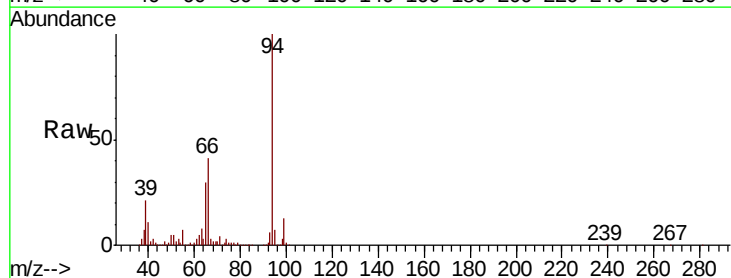
Tgt Ion: 94 Resp: 490754

Ion Ratio Lower Upper

94 100

65 29.8 10.8 50.8

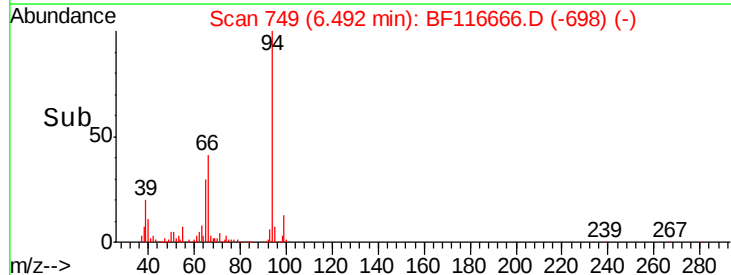
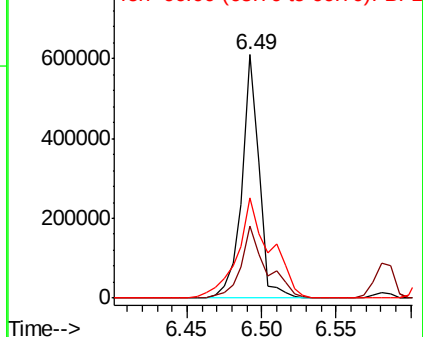
66 41.2 21.1 61.1

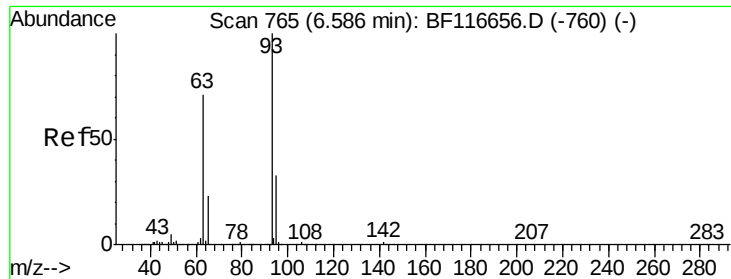


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

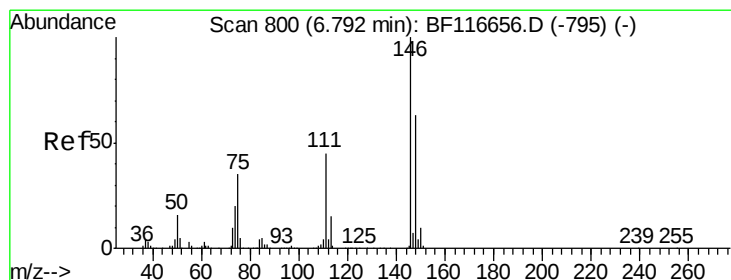
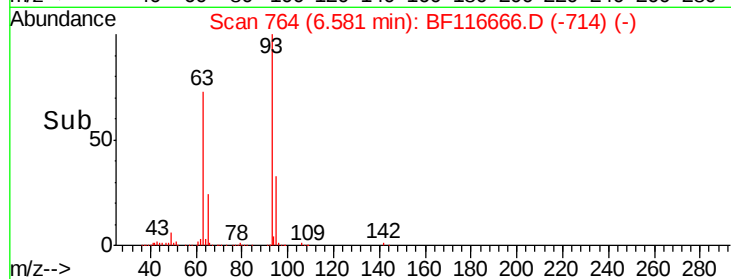
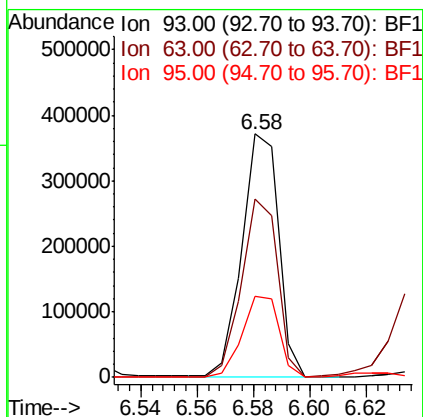
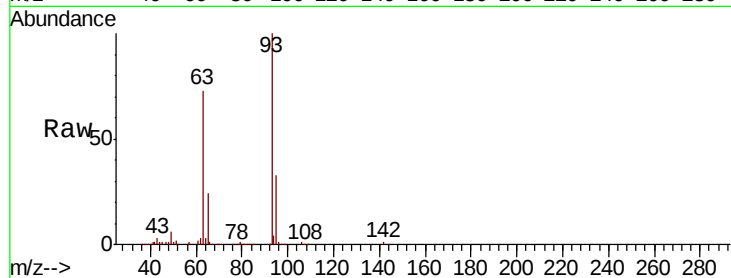




#11
bis(2-Chloroethyl)ether
Concen: 48.806 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

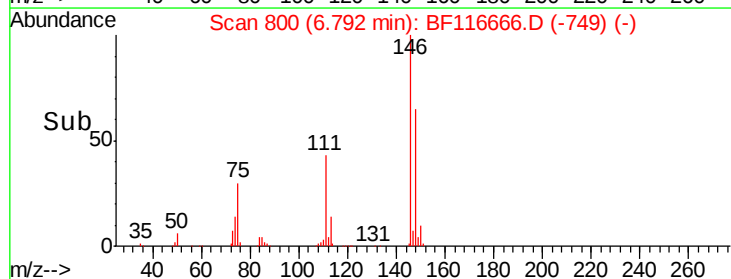
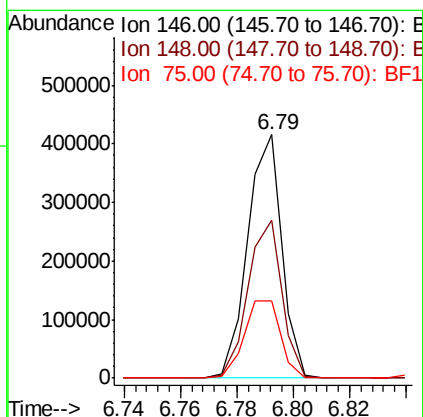
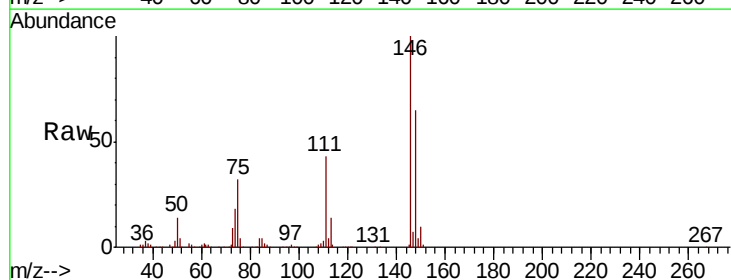
Instrument :
BNA_F
ClientSampleId :

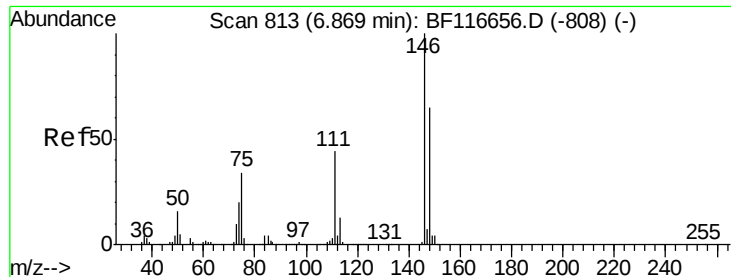
Tot Ion:	93	Resp:	334641
Ion	Ratio	Lower	Upper
93	100		
63	73.1	49.9	89.9
95	33.3	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 46.726 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:	146	Resp:	349128
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.0
75	31.6	29.6	44.4





#13

1,4-Dichlorobenzene

Concen: 48.139 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

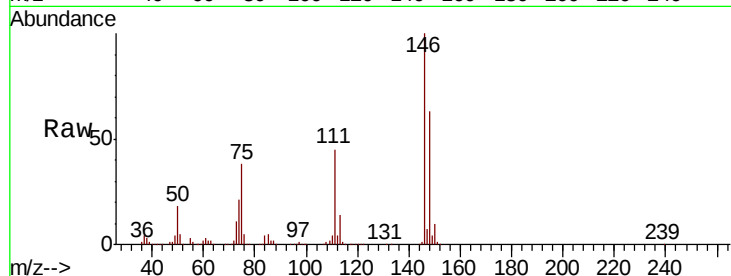
Tot Ion:146 Resp: 358097

Ion Ratio Lower Upper

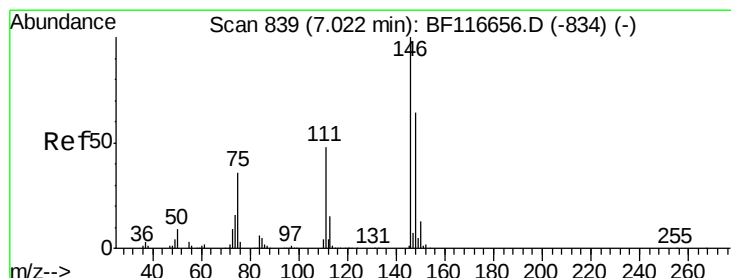
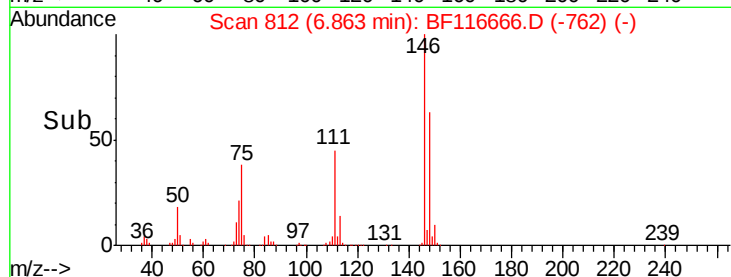
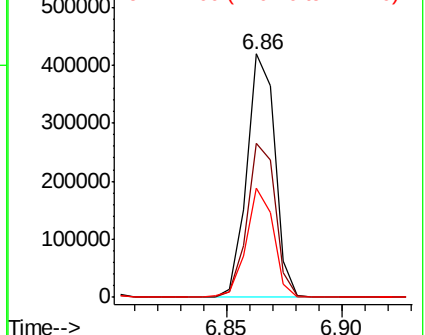
146 100

148 63.3 51.4 77.2

111 45.0 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: 47.819 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

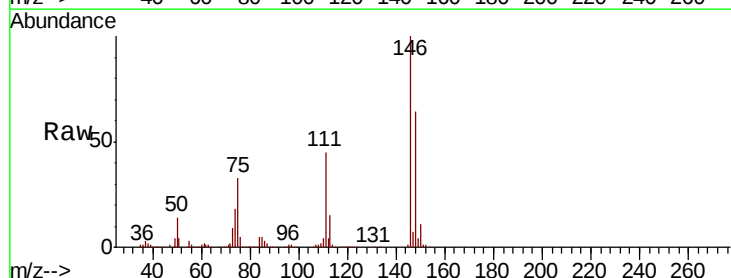
Tgt Ion:146 Resp: 329653

Ion Ratio Lower Upper

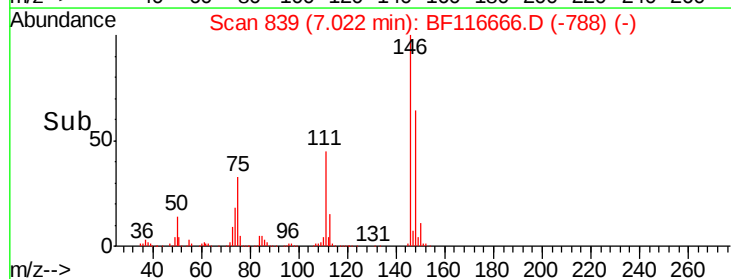
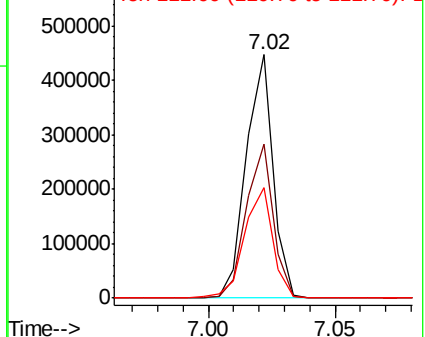
146 100

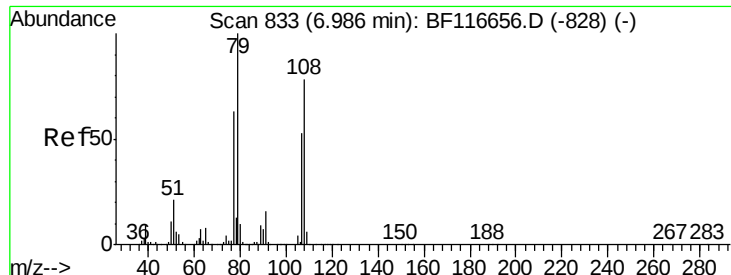
148 63.5 52.6 78.8

111 45.1 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: 51.102 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

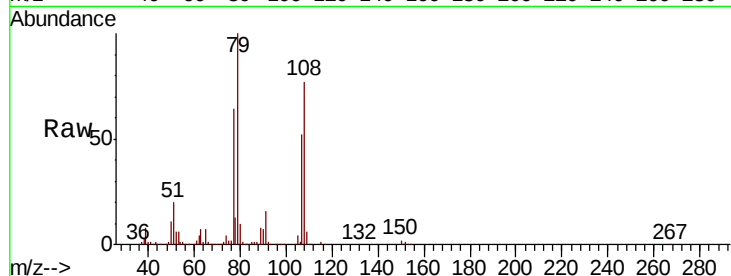
Tot Ion: 79 Resp: 329868

Ion Ratio Lower Upper

79 100

108 76.6 59.2 88.8

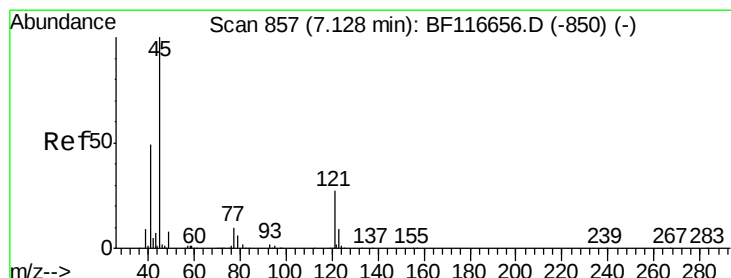
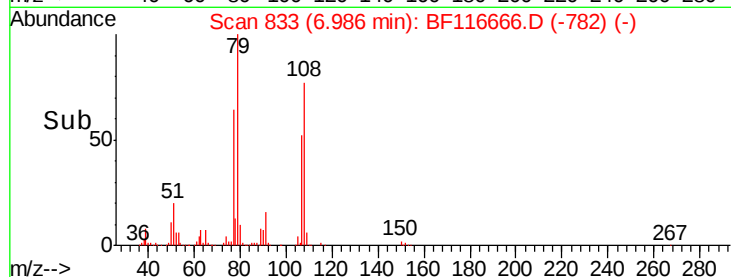
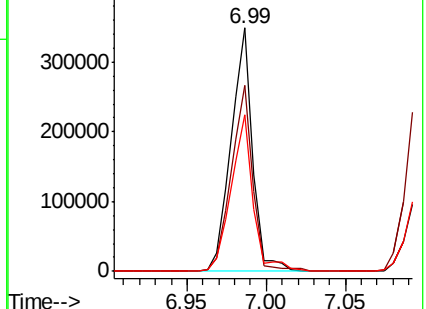
77 64.4 53.0 79.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.904 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

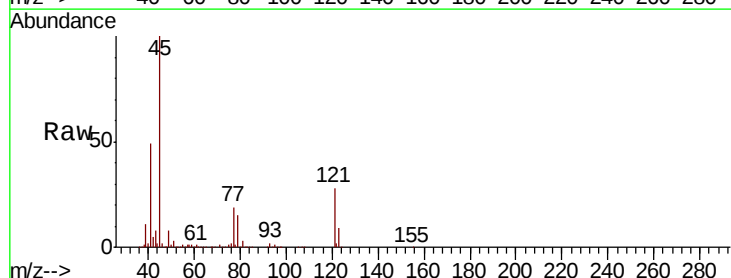
Tgt Ion: 45 Resp: 377318

Ion Ratio Lower Upper

45 100

77 18.7 0.0 38.2

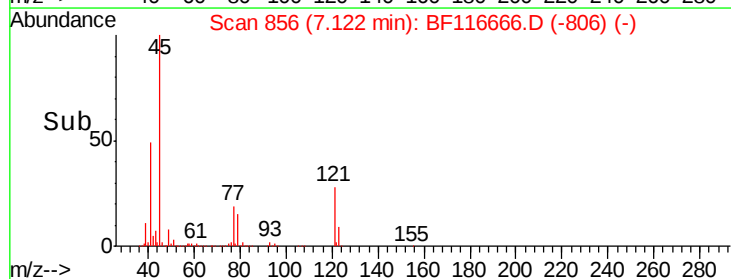
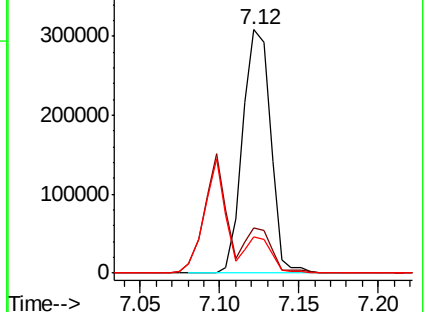
79 14.7 0.0 33.9

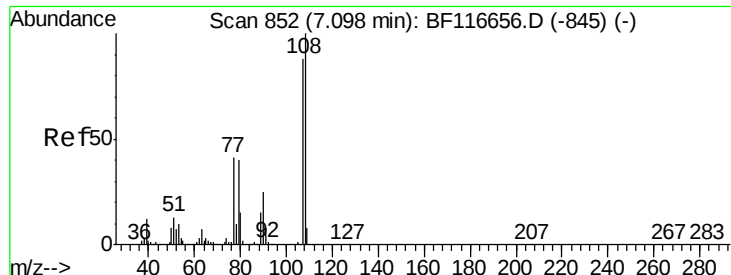


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

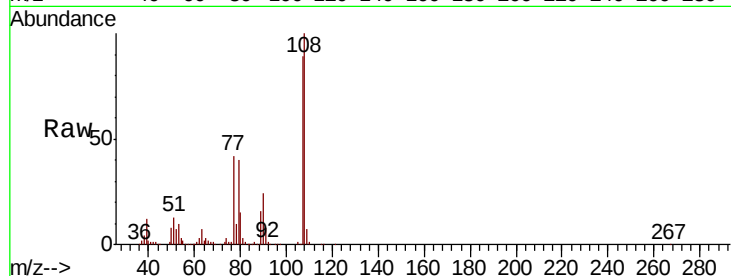




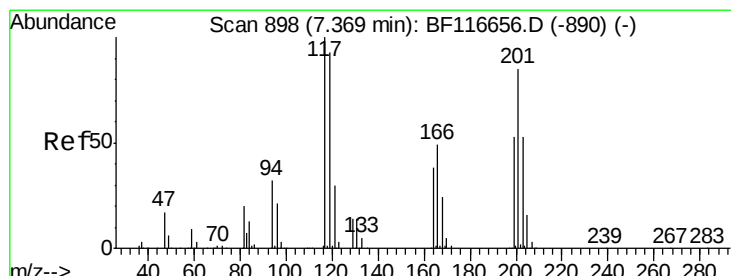
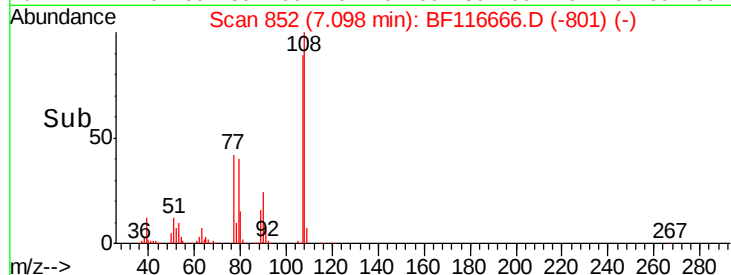
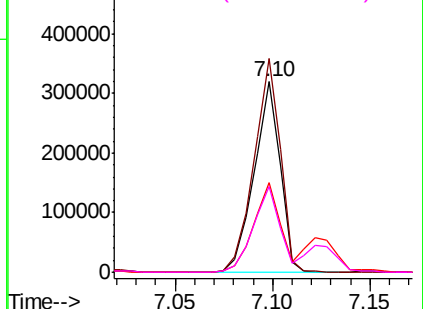
#17
2-Methylphenol
Concen: 50.725 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	293561
Ion	Ratio	Lower	Upper
107	100		
108	112.2	88.3	132.5
77	47.4	39.9	59.9
79	45.2	39.8	59.8

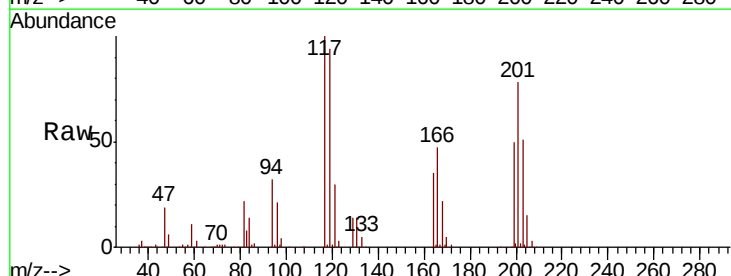


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

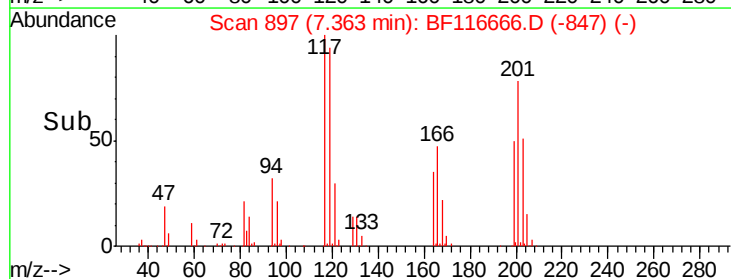
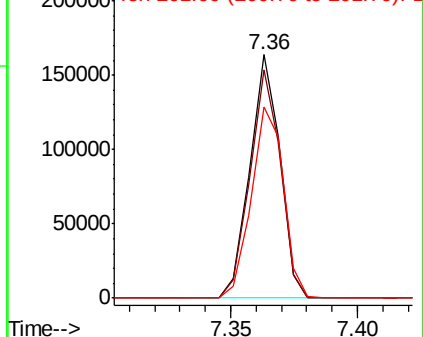


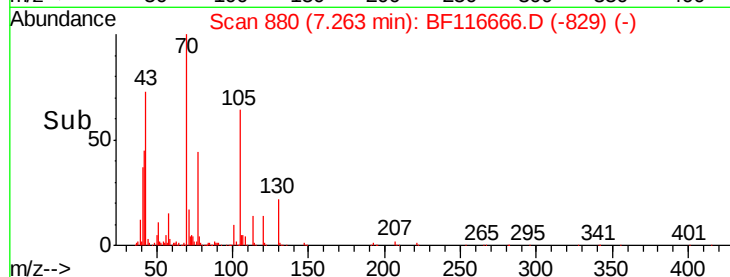
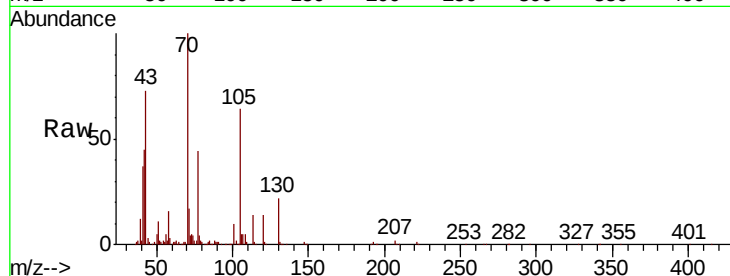
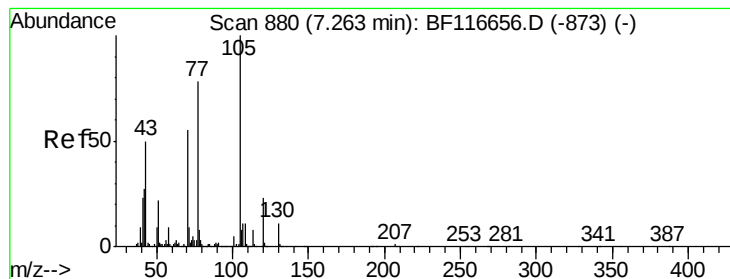
#18
Hexachloroethane
Concen: 47.006 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:	117	Resp:	135854
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.9	115.3
201	78.3	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: 49.175 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 257483

Ion Ratio Lower Upper

70 100

42 45.3 43.5 65.3

101 9.8 7.8 11.6

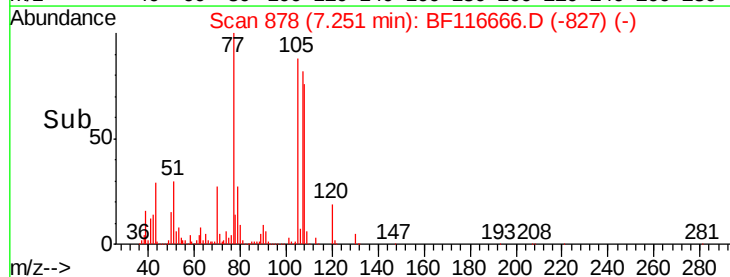
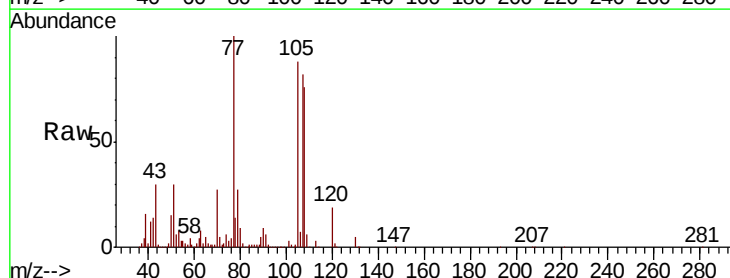
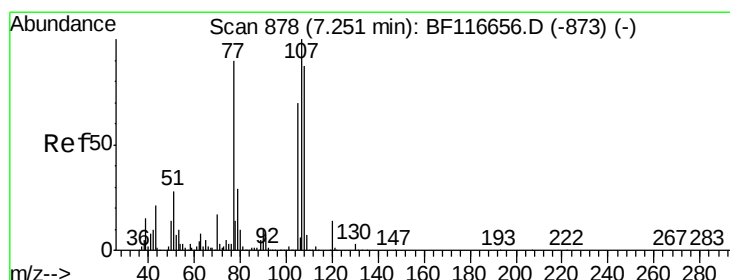
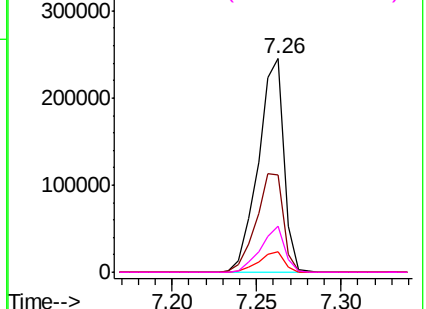
130 21.8 16.6 24.8

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): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 52.398 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Tgt Ion:107 Resp: 352586

Ion Ratio Lower Upper

107 100

108 93.5 65.5 105.5

77 122.6 69.4 109.4#

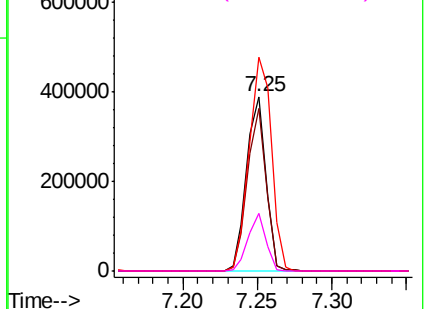
79 33.3 9.5 49.5

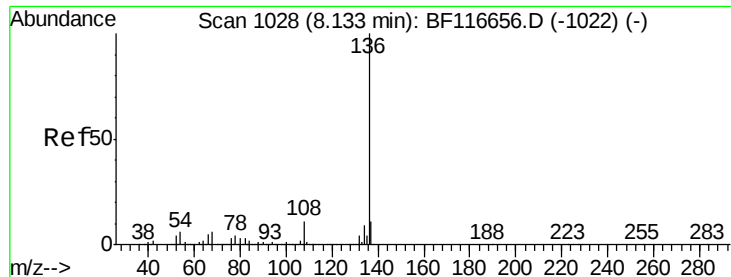
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 397205

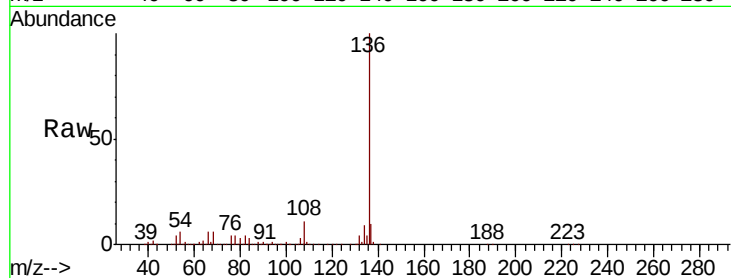
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.2 4.8 7.2

68 6.0 4.0 6.0

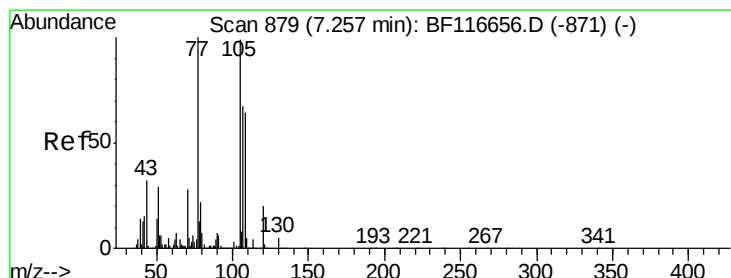
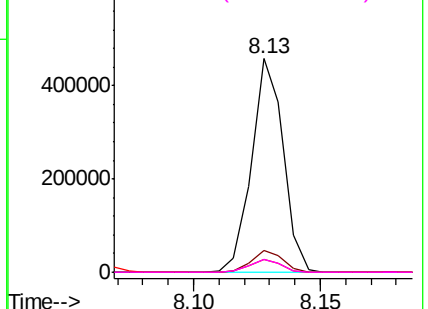
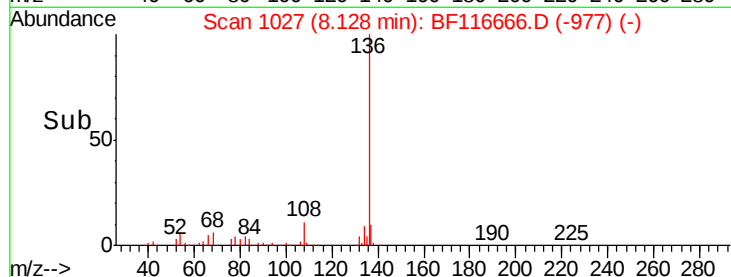


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 50.057 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Tgt Ion:105 Resp: 478679

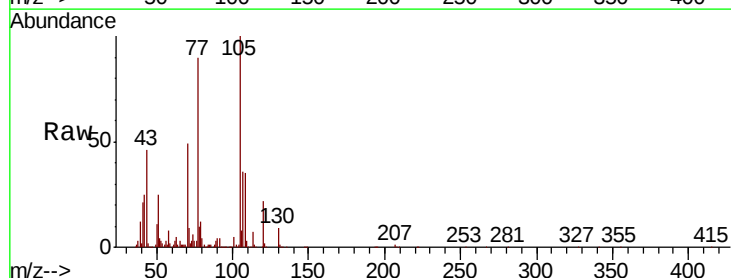
Ion Ratio Lower Upper

105 100

71 8.6 4.2 6.4#

51 24.8 25.8 38.8#

120 21.9 16.4 24.6

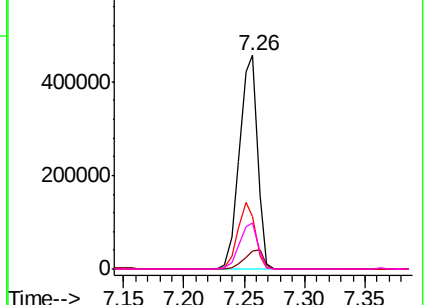
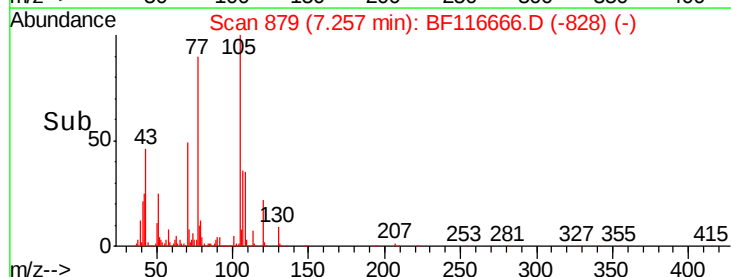


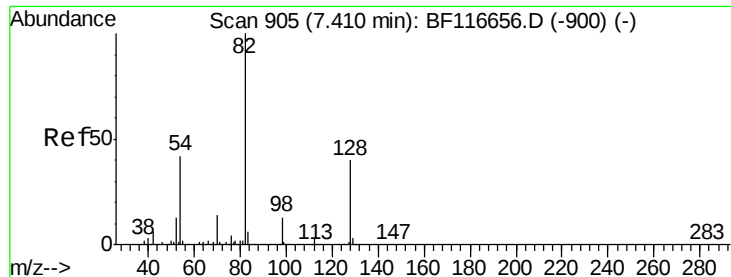
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

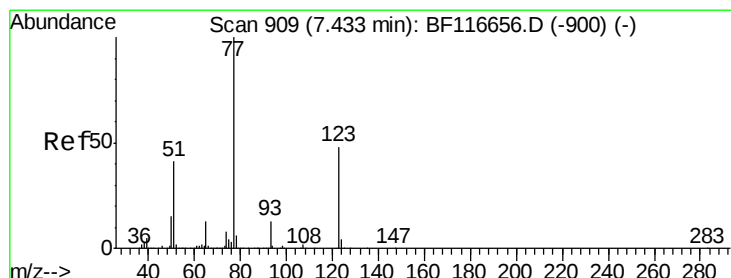
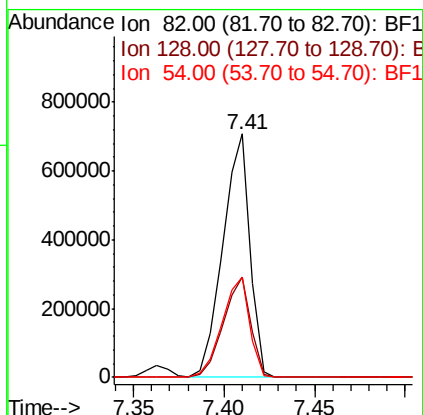
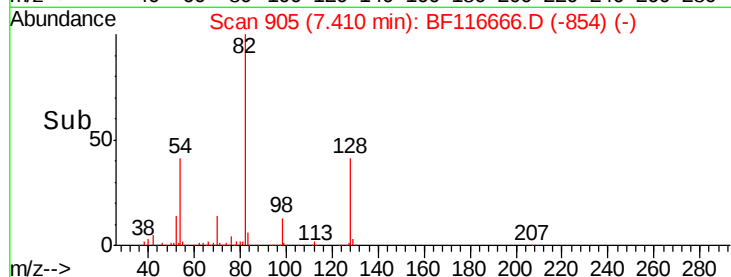
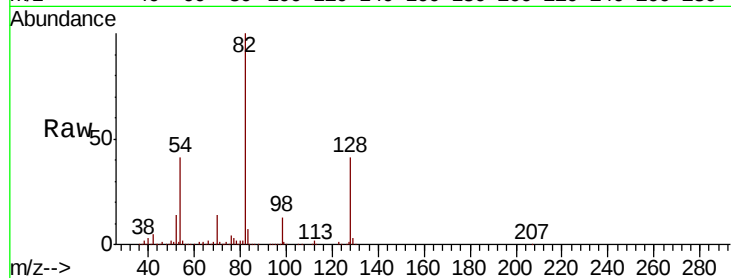




#23
 Nitrobenzene-d5
 Concen: 105.477 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

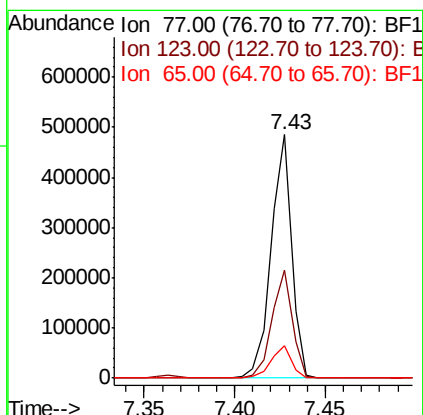
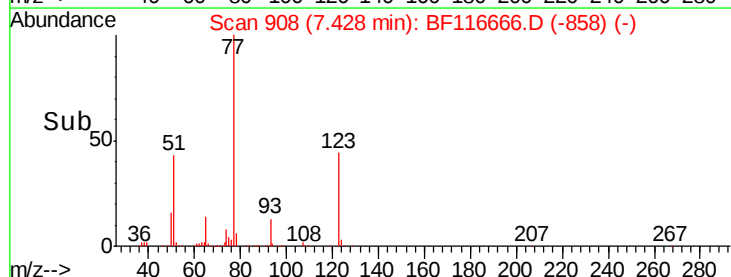
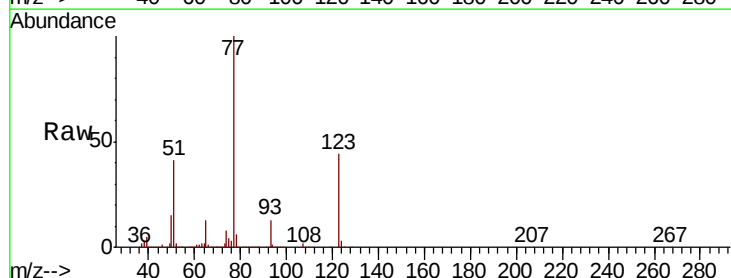
Instrument :
 BNA_F
 ClientSampleId :

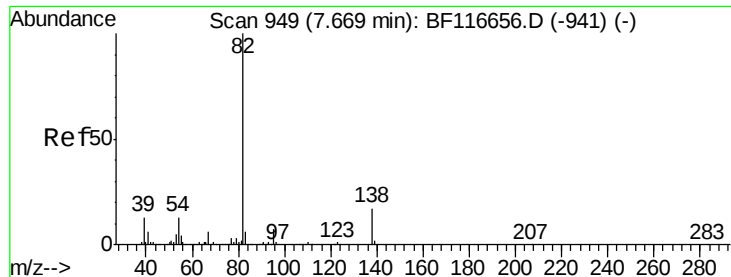
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	41.3	36.9	55.3



#24
 Nitrobenzene
 Concen: 53.951 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.5	33.1	49.7
65	13.2	10.6	15.8





#25

Isophorone

Concen: 51.394 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

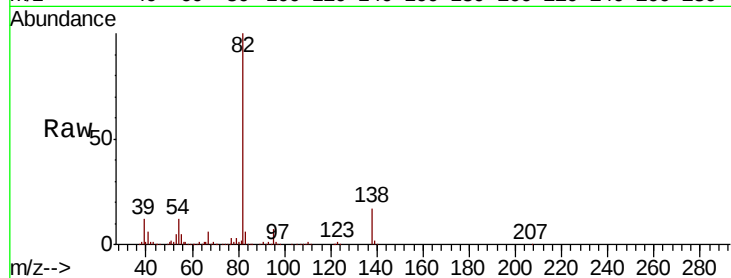
Tot Ion: 82 Resp: 724598

Ion Ratio Lower Upper

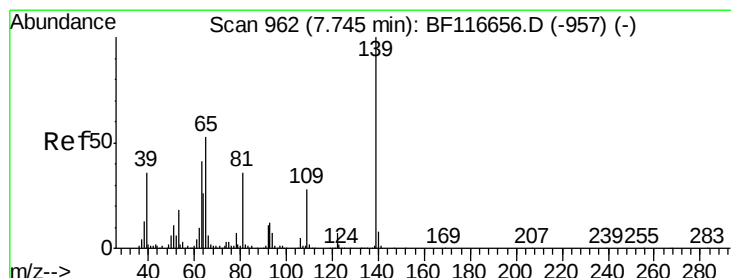
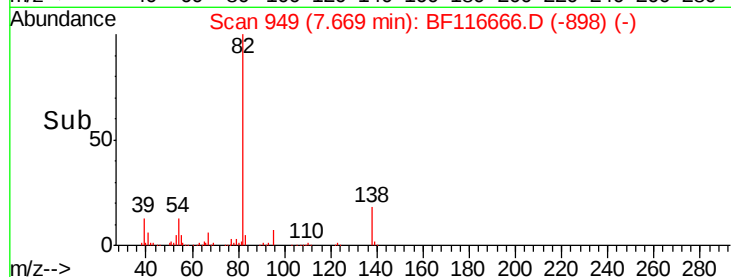
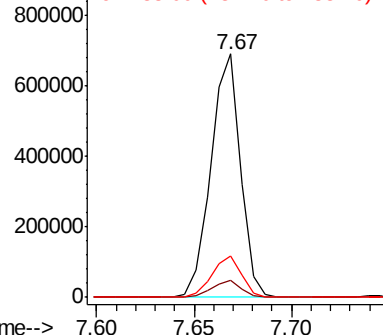
82 100

95 7.0 5.8 8.6

138 17.1 13.5 20.3



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



#26

2-Nitrophenol

Concen: 61.886 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

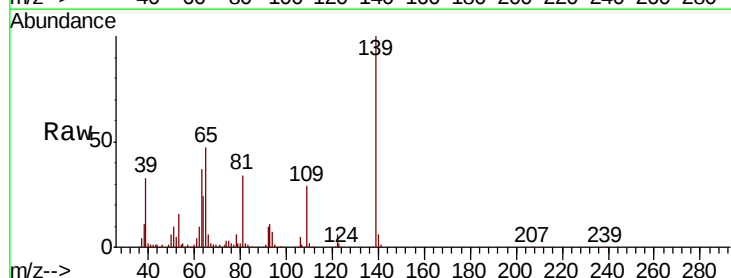
Tgt Ion: 139 Resp: 162815

Ion Ratio Lower Upper

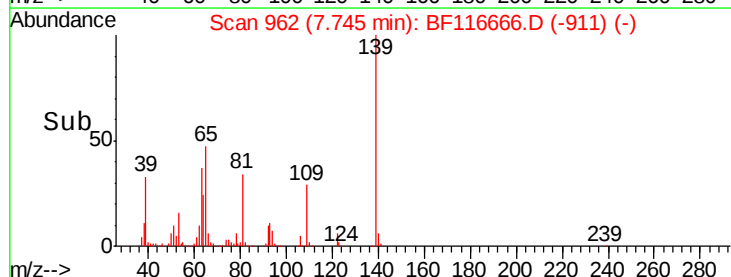
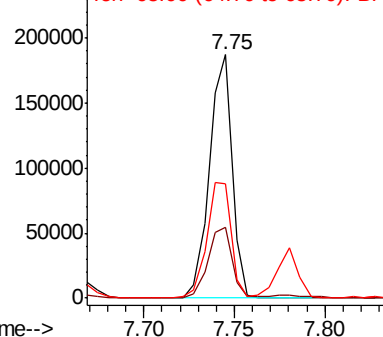
139 100

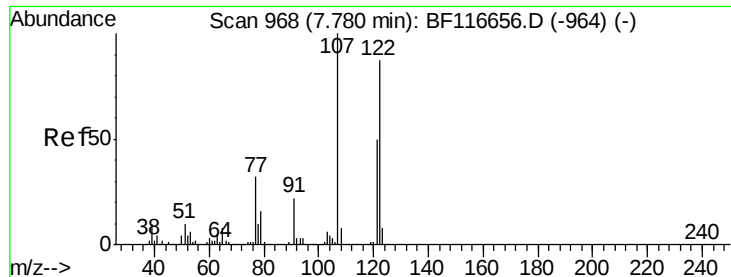
109 29.3 27.1 40.7

65 47.2 43.0 64.6



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





#27

2,4-Dimethylphenol

Concen: 58.959 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

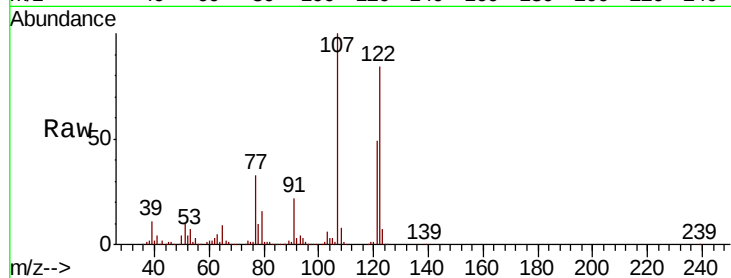
Tot Ion:122 Resp: 313266

Ion Ratio Lower Upper

122 100

107 118.7 98.1 147.1

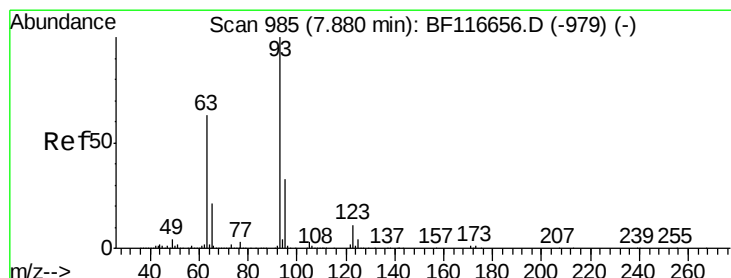
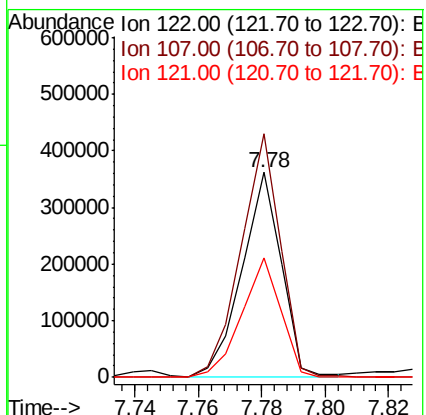
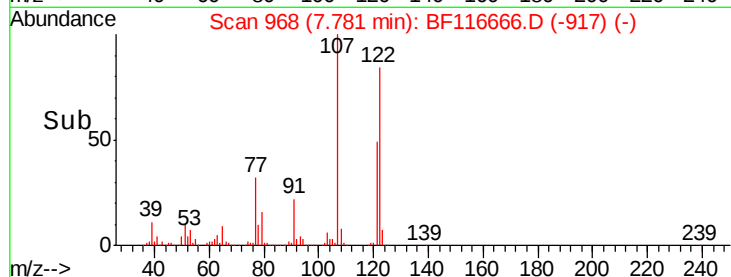
121 58.1 47.3 70.9



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: 50.380 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

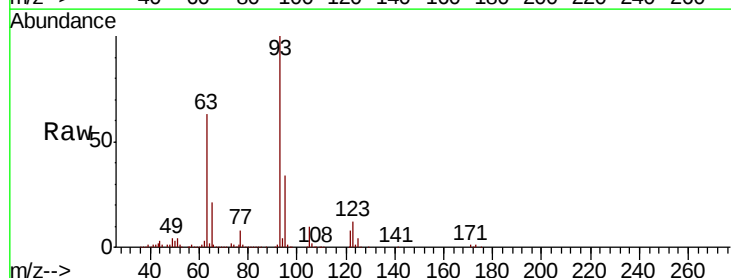
Tgt Ion: 93 Resp: 434062

Ion Ratio Lower Upper

93 100

95 33.6 26.4 39.6

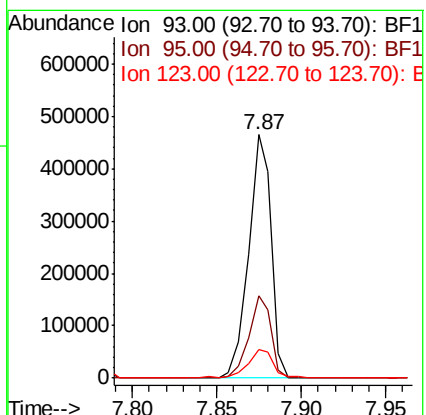
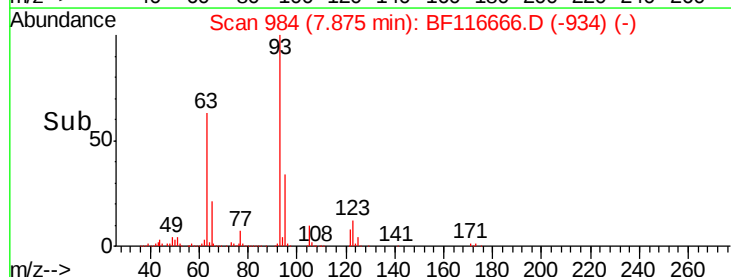
123 11.6 9.8 14.8

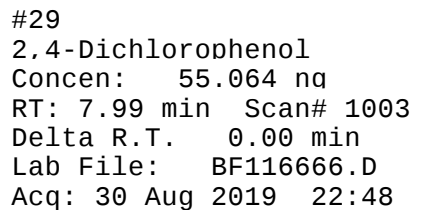


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

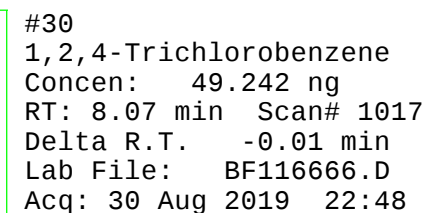
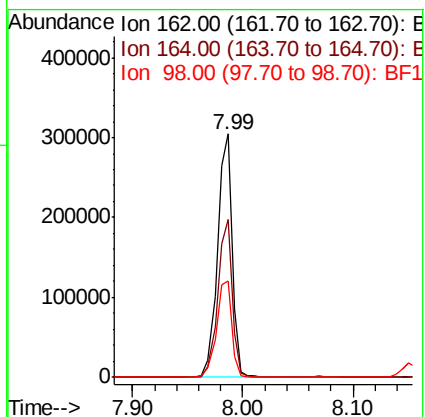
Ion 123.00 (122.70 to 123.70): E



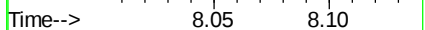
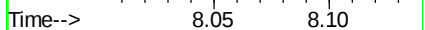
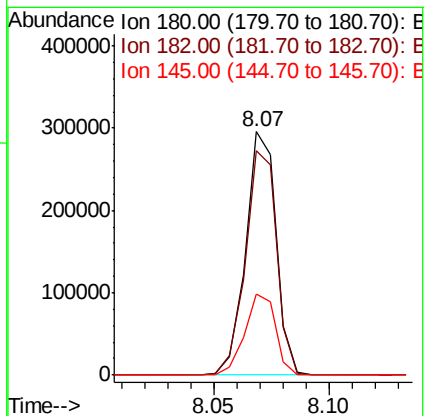


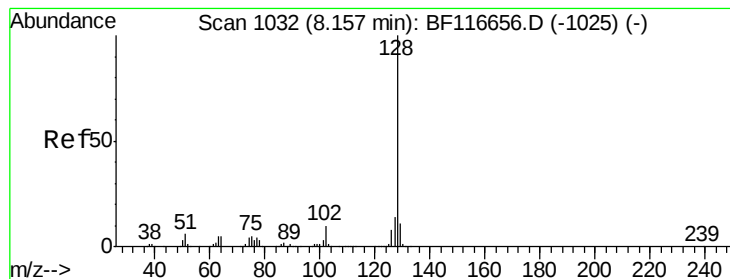
Instrument :
BNA_F
ClientSampleId :

Tot	Ion:162	Resp:	281171
Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.4	83.4
98	39.4	18.1	58.1



Tgt	Ion:180	Resp:	272721
Ion	Ratio	Lower	Upper
180	100		
182	92.0	78.6	118.0
145	33.3	25.7	38.5





#31

Naphthalene

Concen: 52.027 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

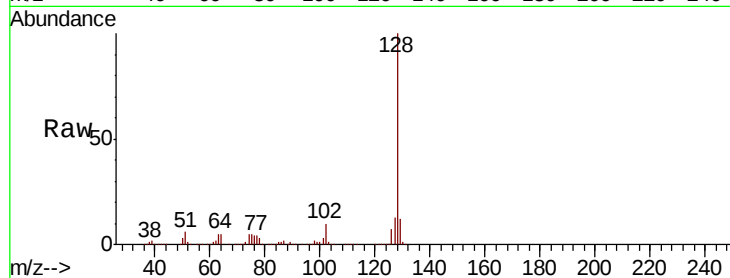
Tot Ion:128 Resp: 982658

Ion Ratio Lower Upper

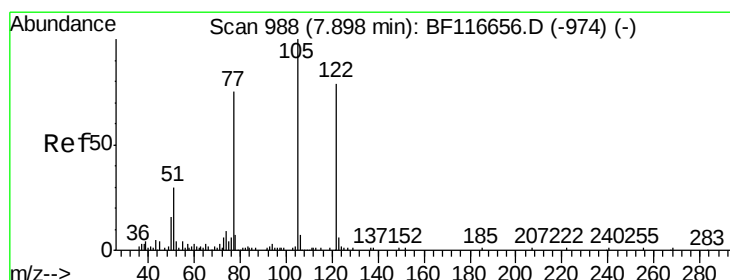
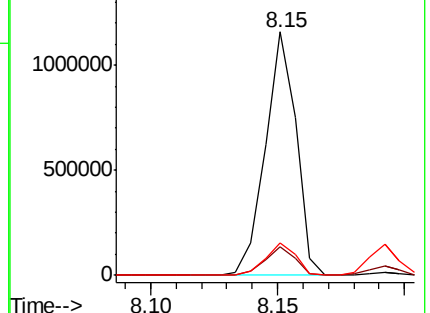
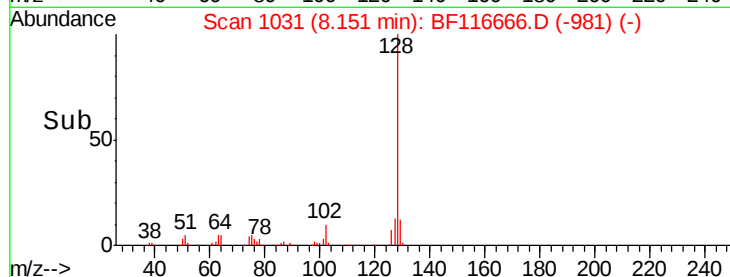
128 100

129 11.6 8.6 13.0

127 13.1 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: 52.305 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

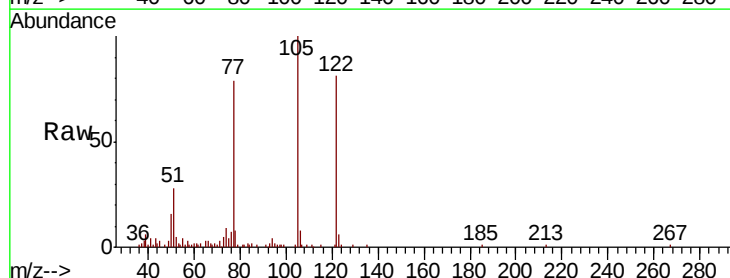
Tgt Ion:122 Resp: 156922

Ion Ratio Lower Upper

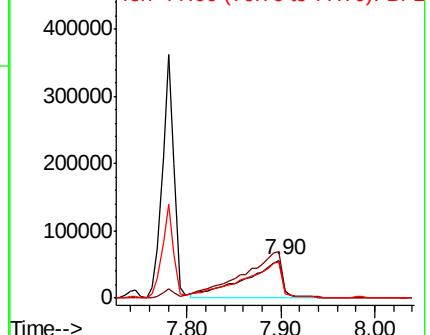
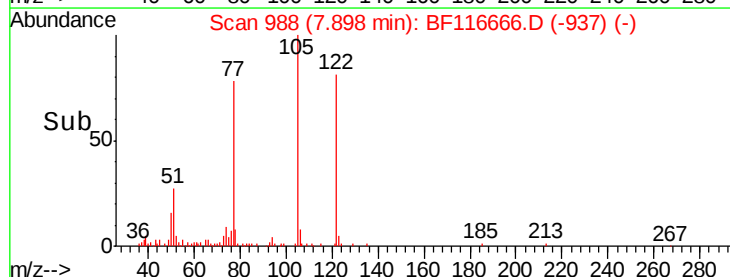
122 100

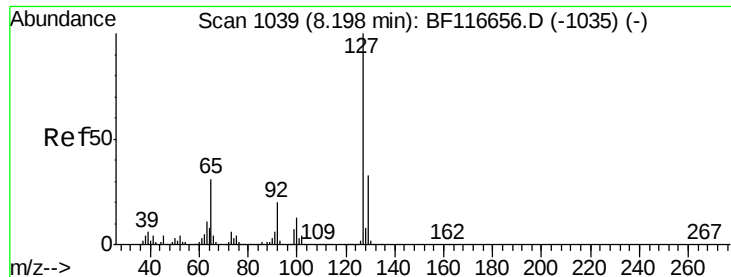
105 123.5 110.0 150.0

77 97.3 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

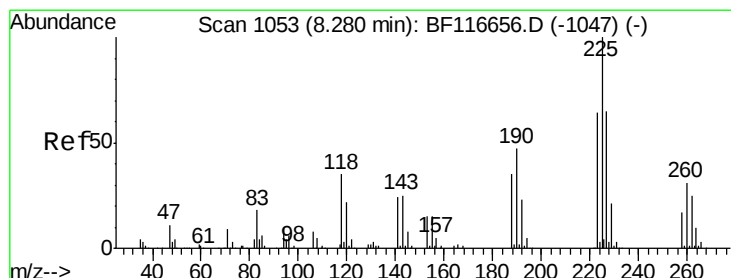
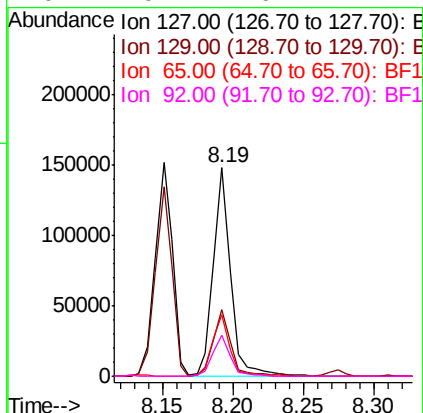
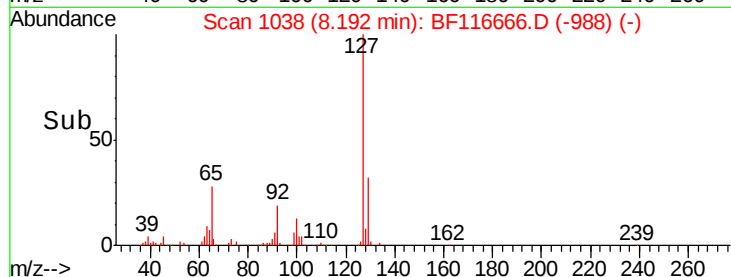
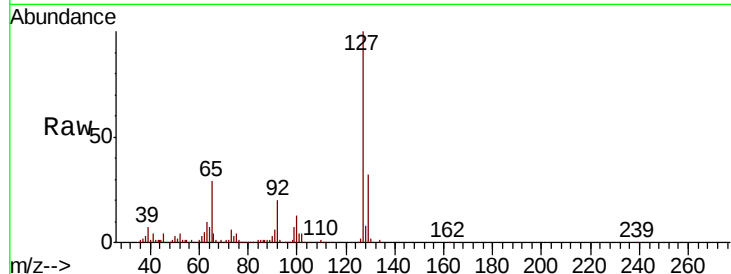




#33
4-Chloroaniline
Concen: 14.757 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

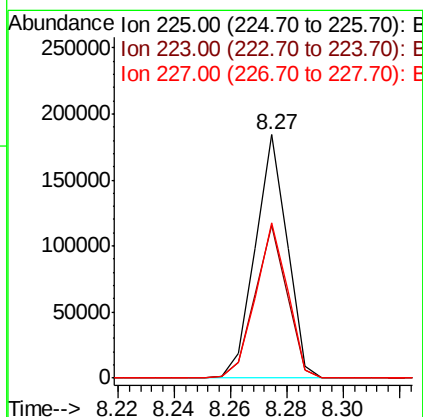
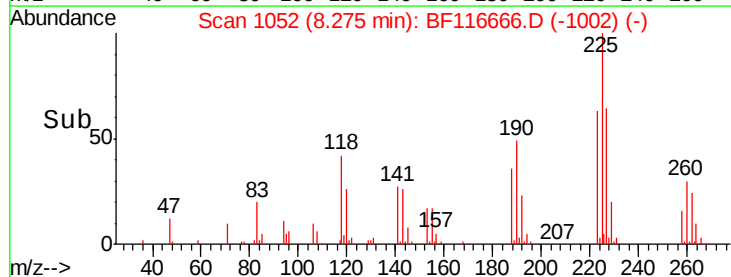
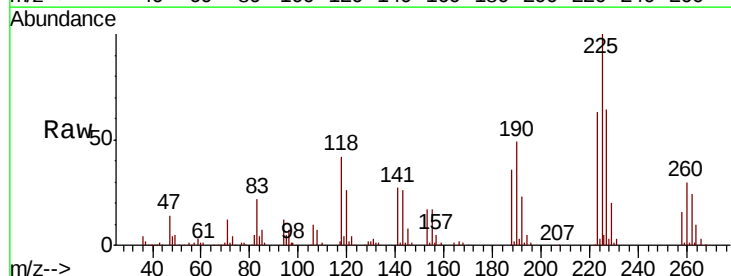
Instrument :
BNA_F
ClientSampleId :

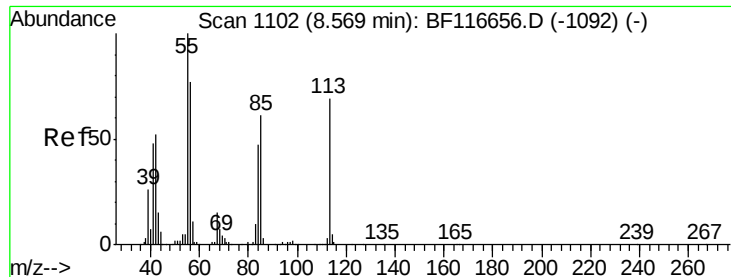
Tot Ion:	127	Resp:	126872
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.2
65	29.4	26.0	39.0
92	19.7	16.1	24.1



#34
Hexachlorobutadiene
Concen: 47.923 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:	225	Resp:	144719
Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.2
227	64.0	51.0	76.4

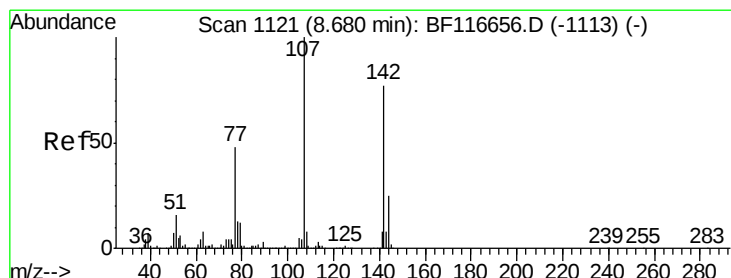
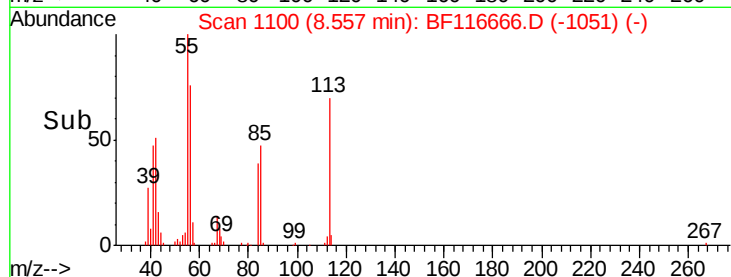
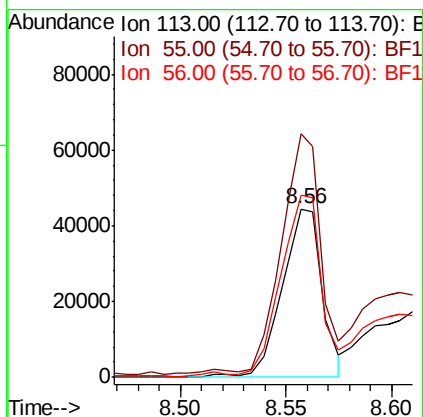
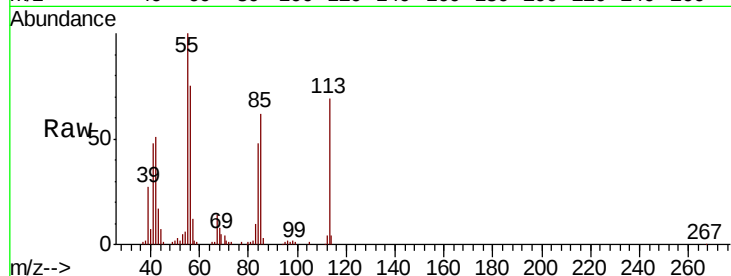




#35
 Caprolactam
 Concen: 30.468 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

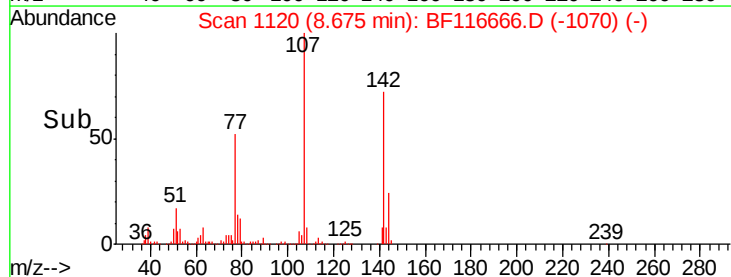
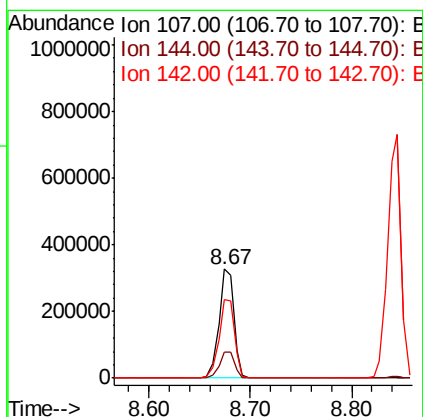
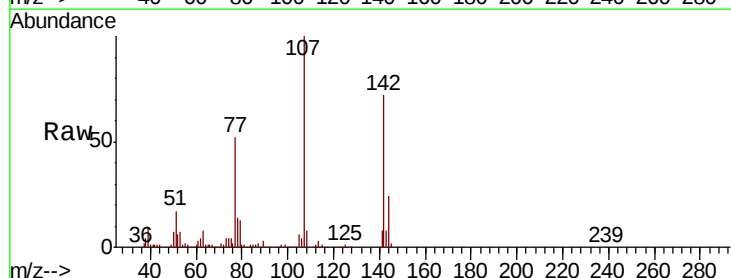
Instrument :
 BNA_F
 ClientSampleId :

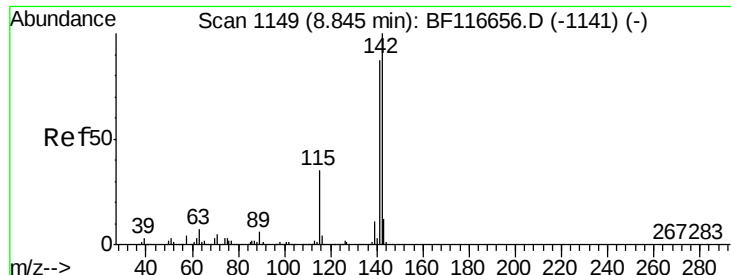
Tot Ion:113 Resp: 58223
 Ion Ratio Lower Upper
 113 100
 55 144.8 124.3 164.3
 56 108.7 94.6 134.6



#36
 4-Chloro-3-methylphenol
 Concen: 57.395 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion:107 Resp: 336839
 Ion Ratio Lower Upper
 107 100
 144 23.5 18.6 27.8
 142 71.9 58.5 87.7

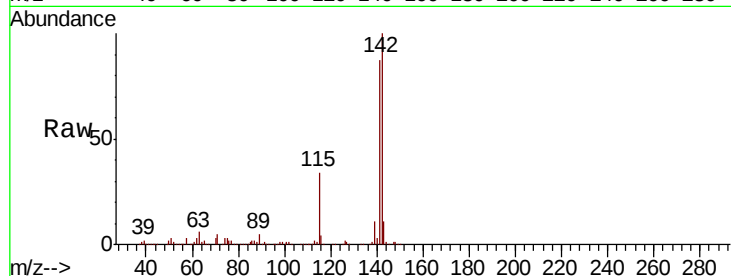




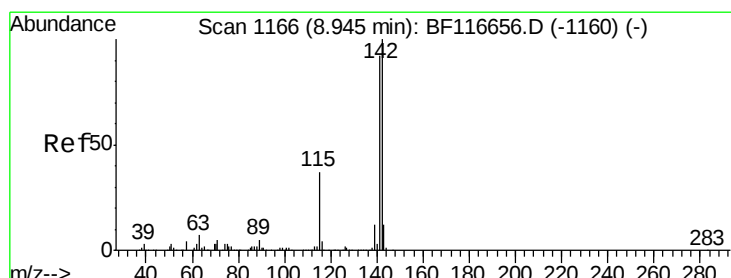
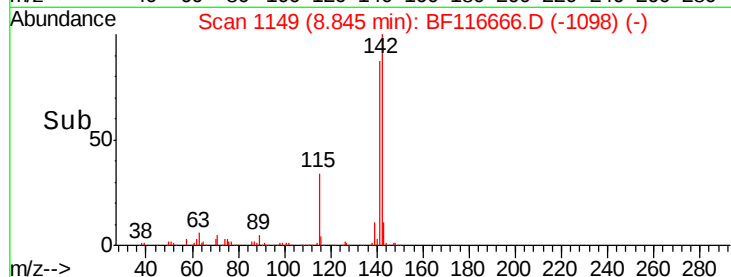
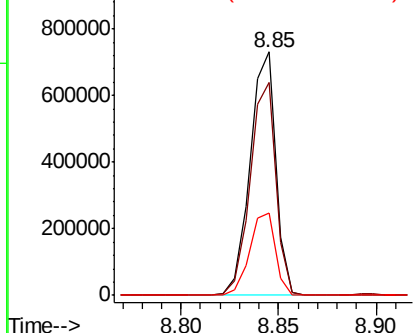
#37
2-Methylnaphthalene
Concen: 53.055 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.6	109.0
115	33.8	29.8	44.6

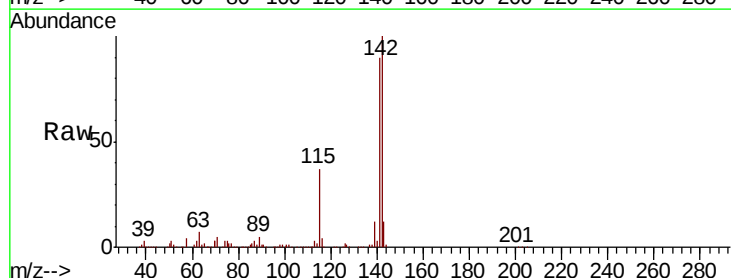


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

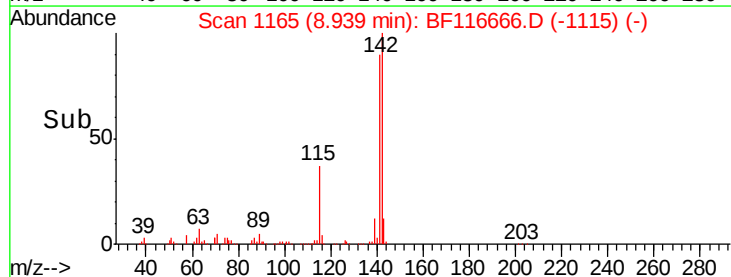
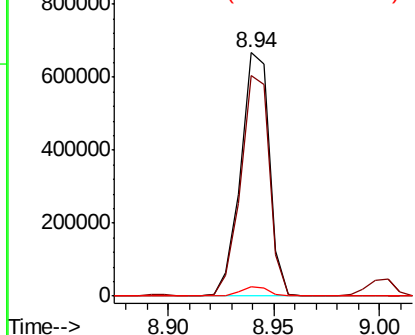


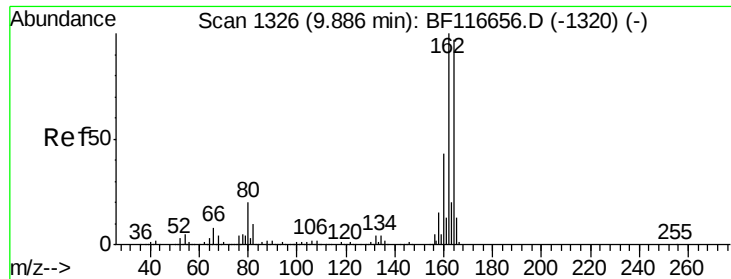
#38
1-Methylnaphthalene
Concen: 52.950 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.9	110.9
116	3.9	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

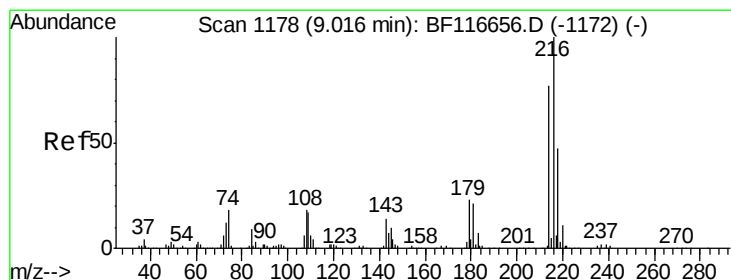
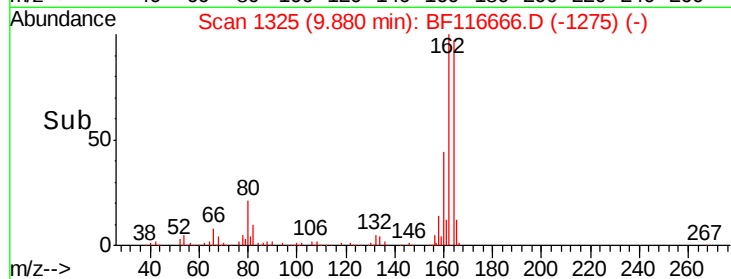
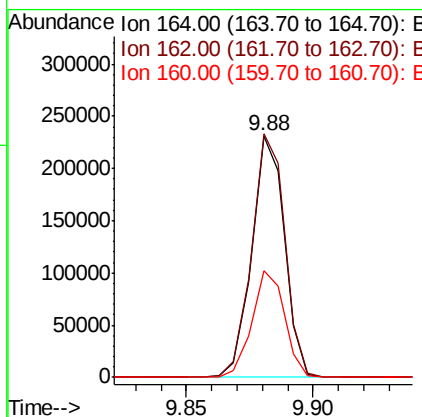
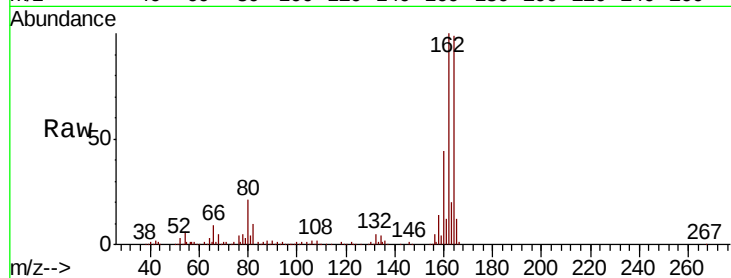




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

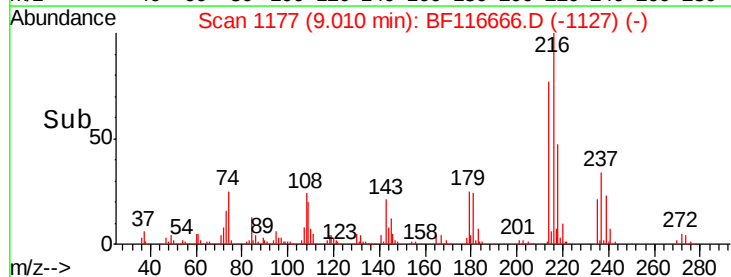
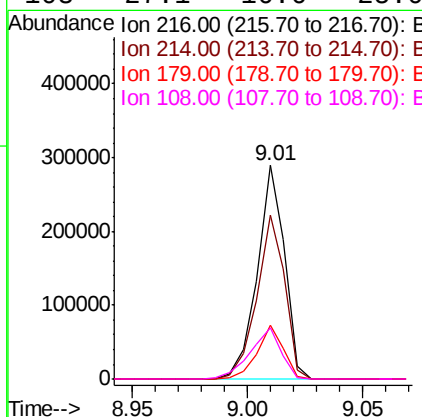
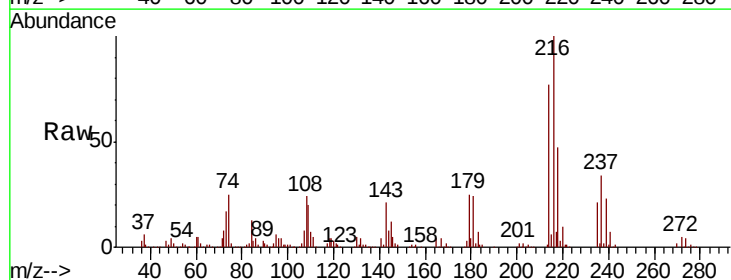
Instrument :
BNA_F
ClientSampleId :

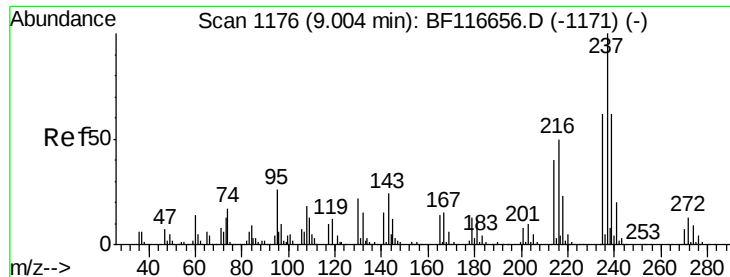
Tot Ion:164 Resp: 207799
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 44.0 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.889 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:216 Resp: 238552
Ion Ratio Lower Upper
216 100
214 78.8 62.7 94.1
179 24.2 19.3 28.9
108 27.1 16.6 25.0#





#41

Hexachlorocyclopentadiene

Concen: 98.364 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

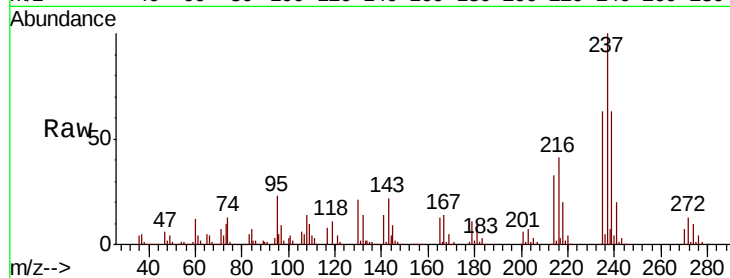
Tot Ion:237 Resp: 282951

Ion Ratio Lower Upper

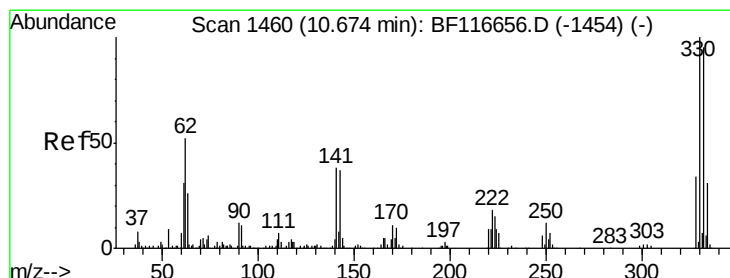
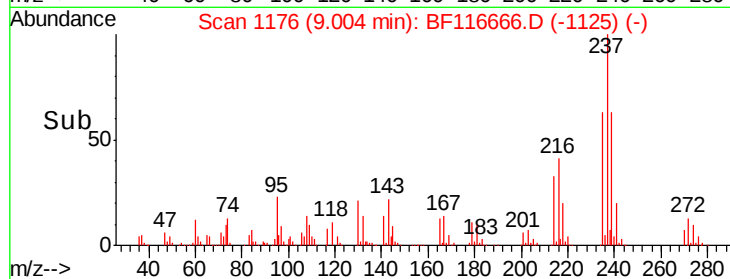
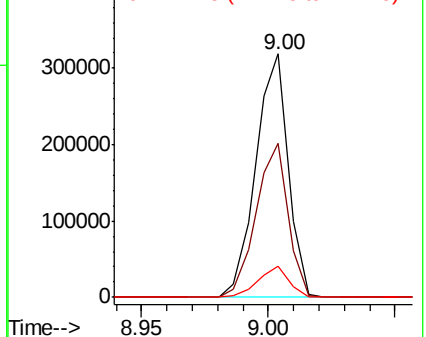
237 100

235 63.2 41.4 81.4

272 12.7 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: 165.909 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

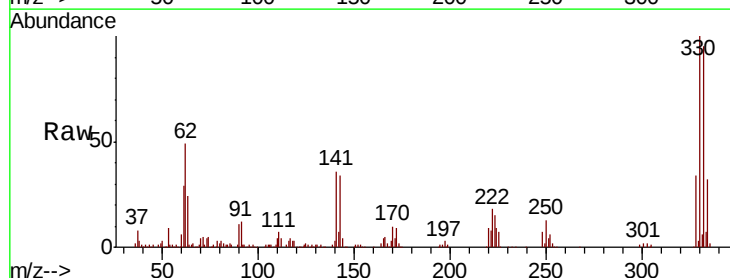
Tgt Ion:330 Resp: 230478

Ion Ratio Lower Upper

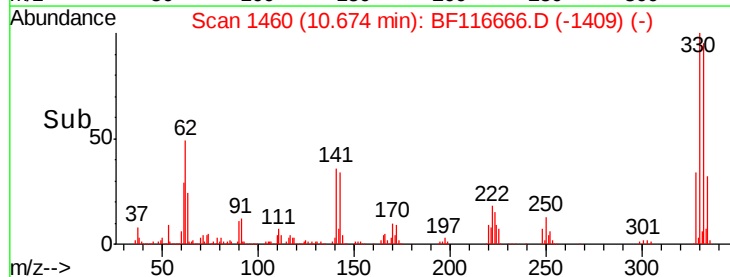
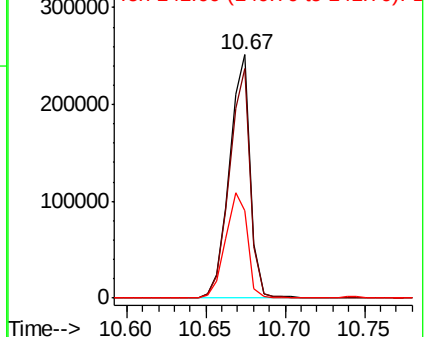
330 100

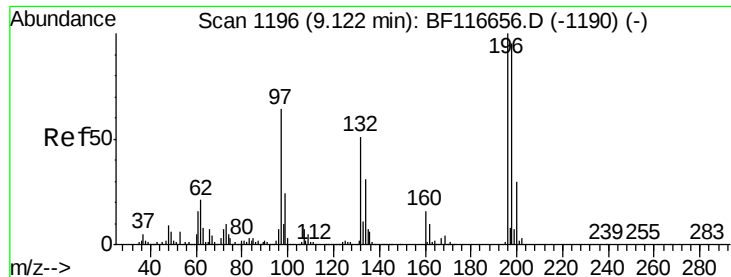
332 94.5 76.9 115.3

141 45.3 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

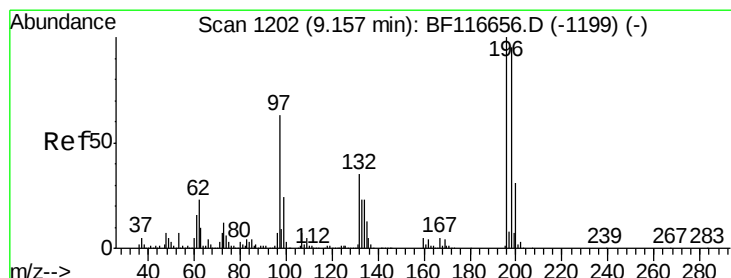
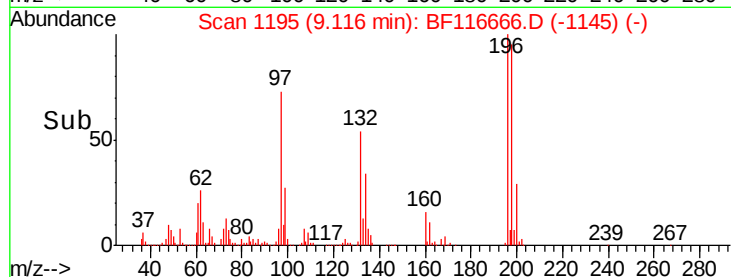
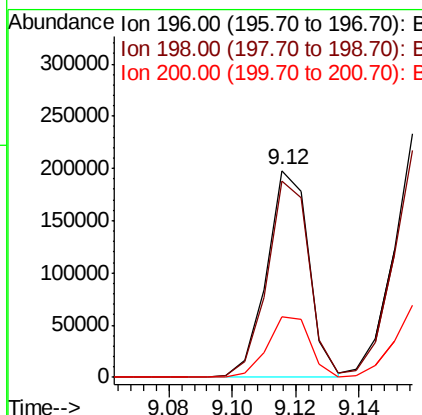
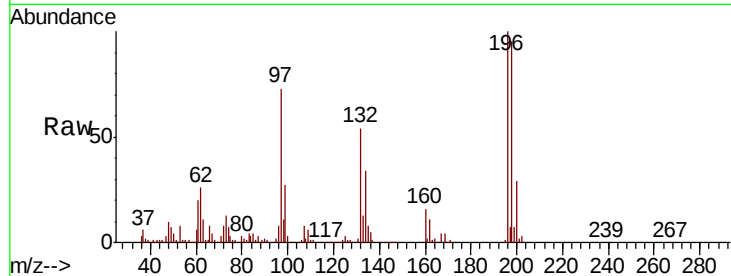




#43
 2,4,6-Trichlorophenol
 Concen: 53.371 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

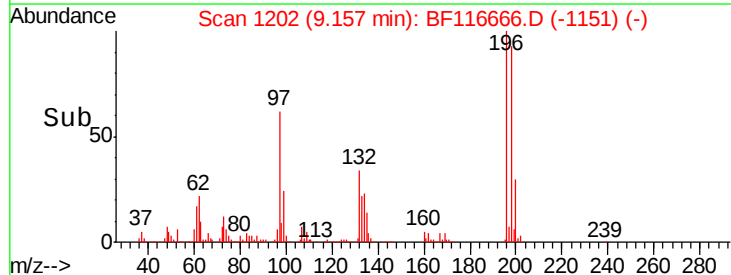
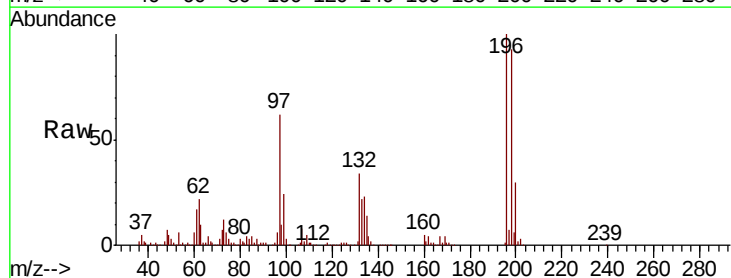
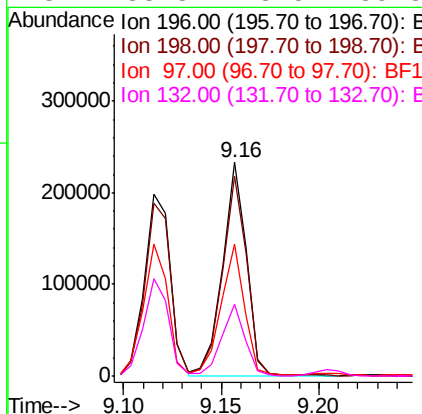
Instrument :
 BNA_F
 ClientSampled :

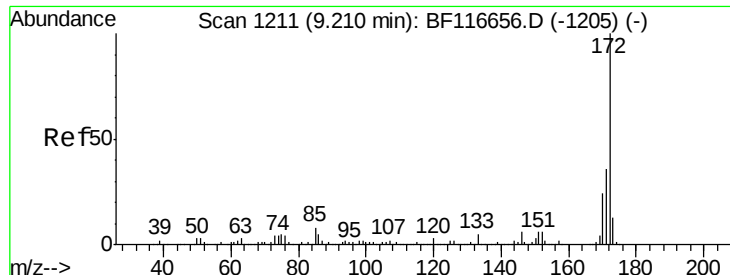
Tot Ion	196	Resp	182246
Ion Ratio	Lower	Upper	
196	100		
198	94.9	79.1	118.7
200	29.2	24.0	36.0



#44
 2,4,5-Trichlorophenol
 Concen: 55.912 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion	196	Resp	198210
Ion Ratio	Lower	Upper	
196	100		
198	93.3	78.1	117.1
97	61.9	41.6	62.4
132	33.8	23.5	35.3

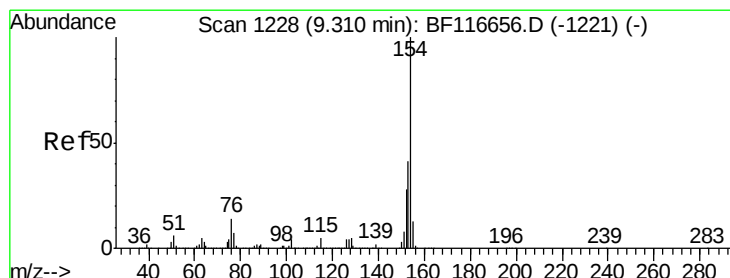
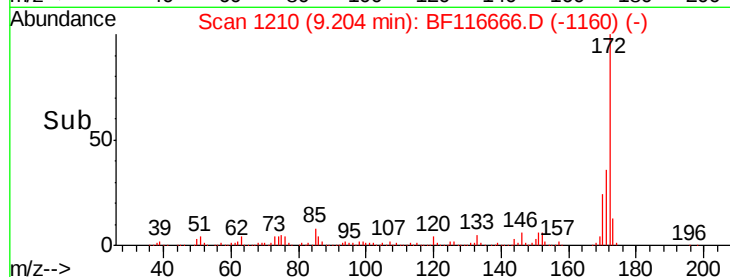
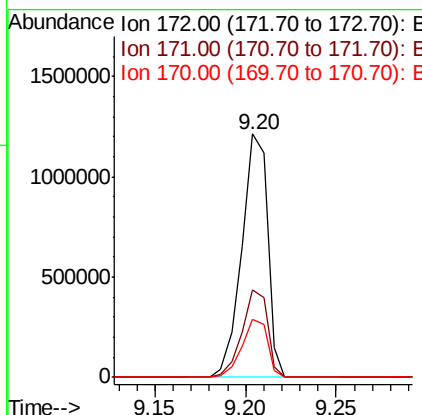
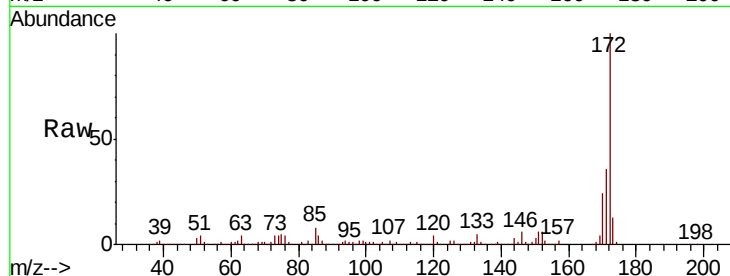




#45
 2-Fluorobiphenyl
 Concen: 97.642 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

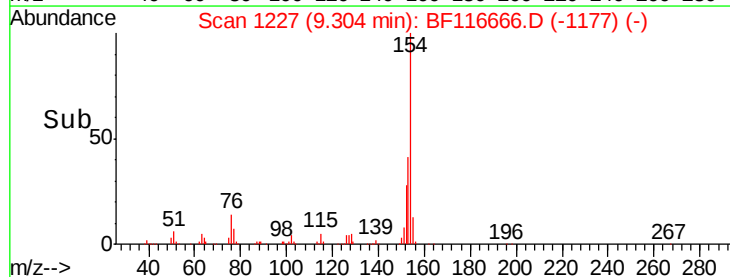
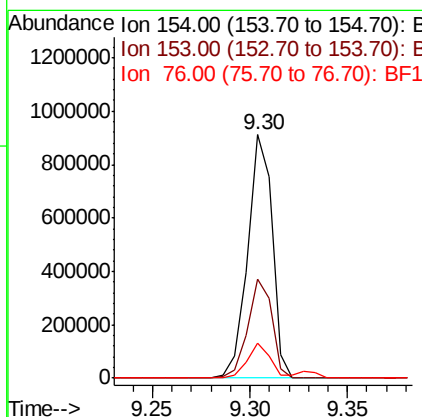
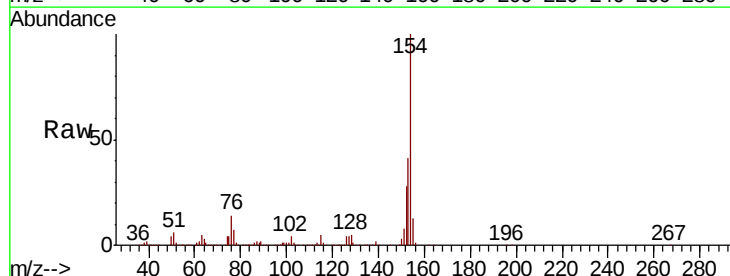
Instrument :
 BNA_F
 ClientSampleId :

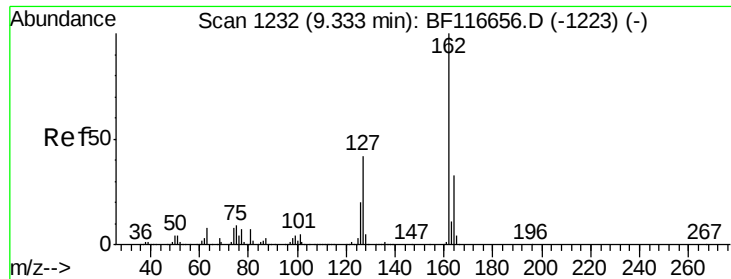
Tot Ion:172 Resp: 1202802
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.8 41.6
 170 23.7 18.9 28.3



#46
 1,1'-Biphenyl
 Concen: 50.183 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion:154 Resp: 791293
 Ion Ratio Lower Upper
 154 100
 153 40.8 21.2 61.2
 76 14.2 0.0 30.9

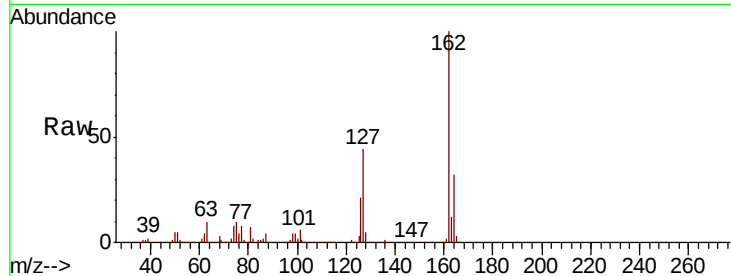




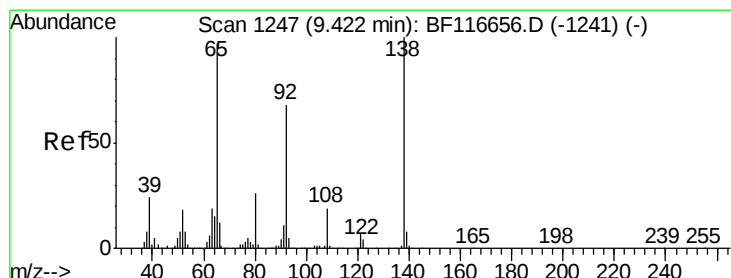
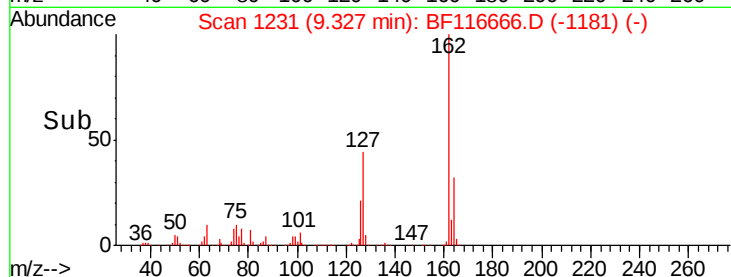
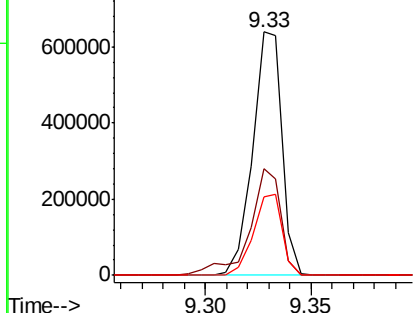
#47
 2-Chloronaphthalene
 Concen: 49.373 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	44.0	33.4	50.2
164	32.4	26.6	39.8

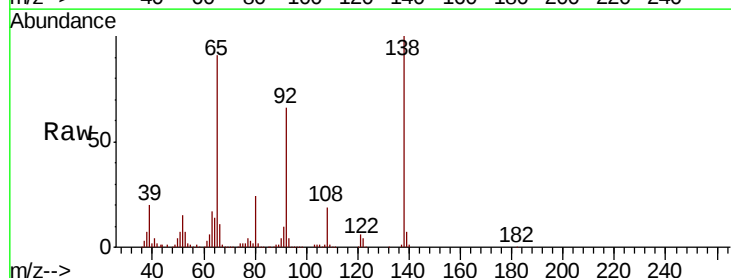


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

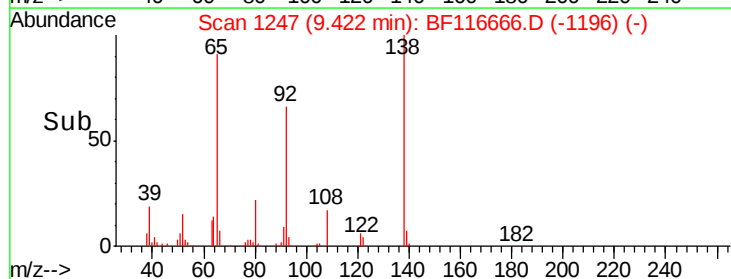
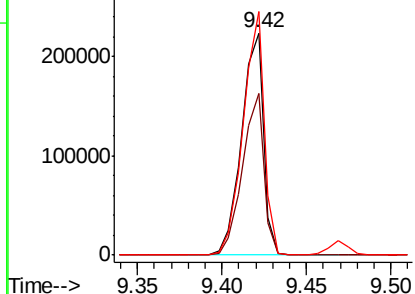


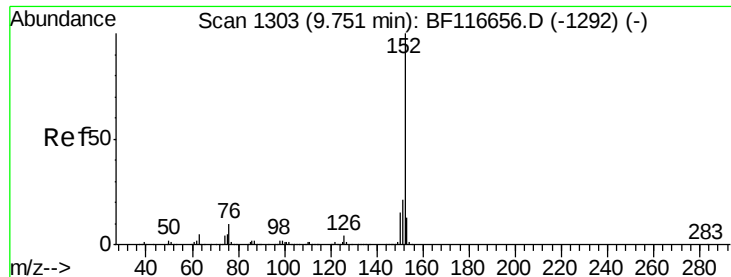
#48
 2-Nitroaniline
 Concen: 56.434 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.8	57.1	85.7
138	109.6	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: 52.789 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

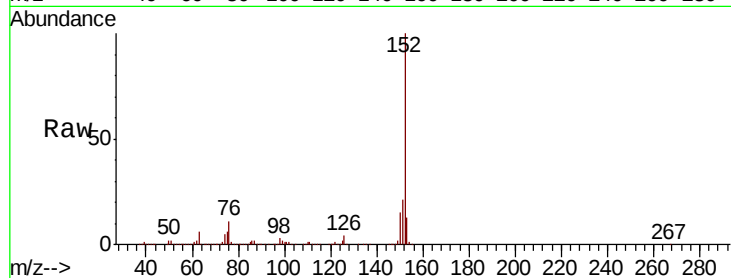
Tot Ion:152 Resp: 996574

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

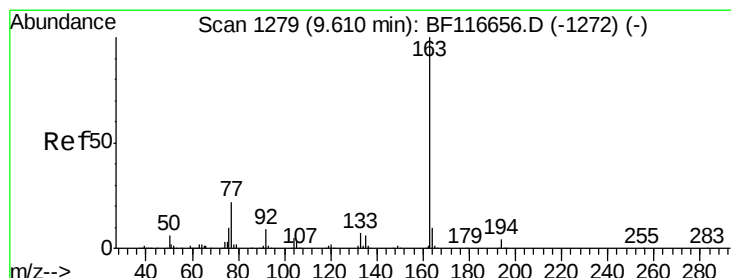
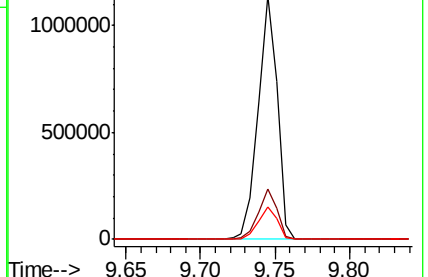
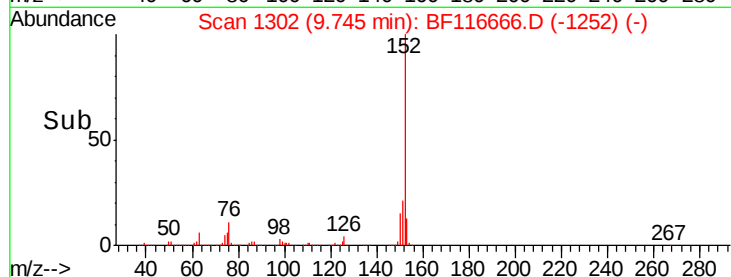
153 13.3 10.9 16.3



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: 59.541 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

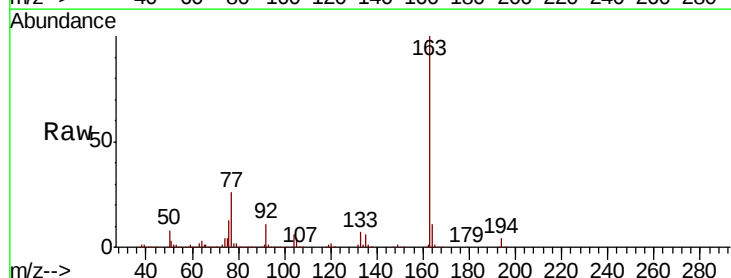
Tgt Ion:163 Resp: 854193

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

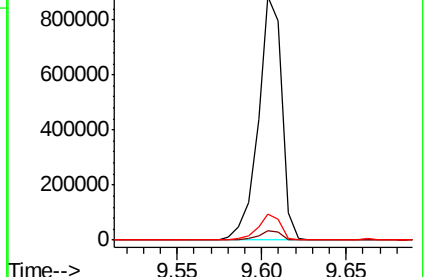
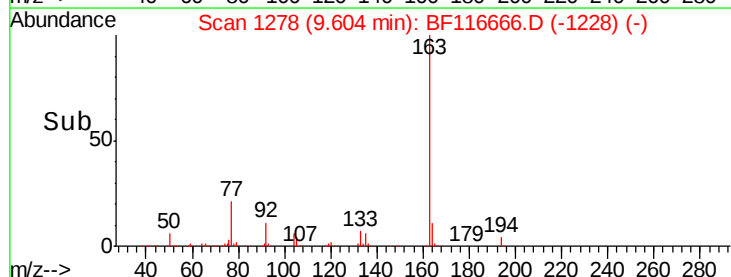
164 10.8 8.6 12.8

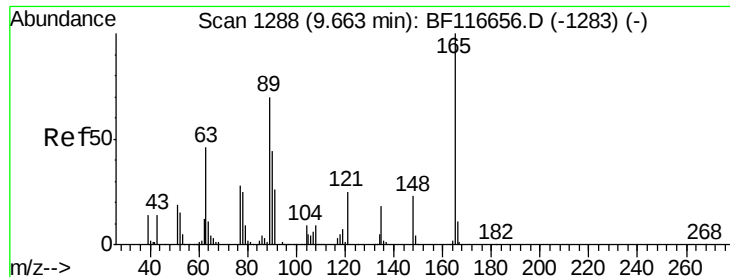


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

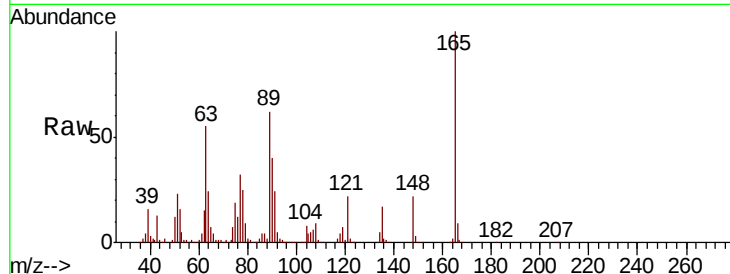




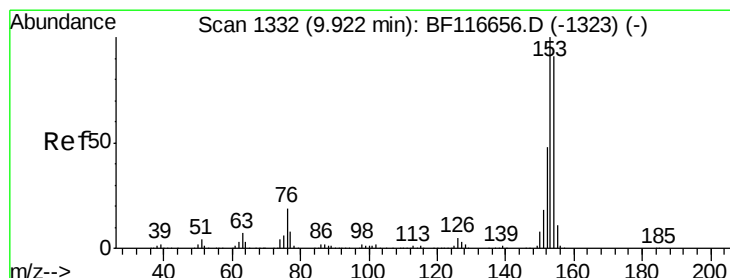
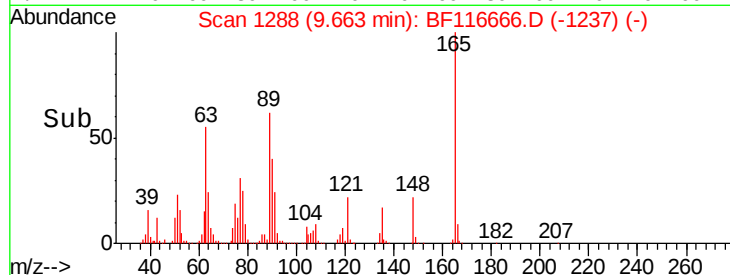
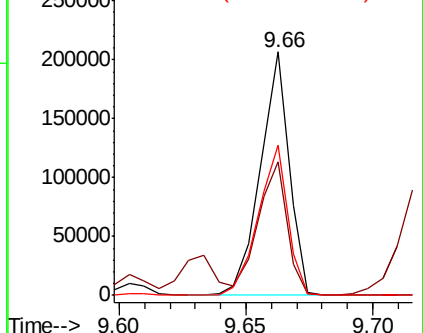
#51
 2,6-Dinitrotoluene
 Concen: 60.350 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 165188
 Ion Ratio Lower Upper
 165 100
 63 54.7 47.3 70.9
 89 61.9 52.5 78.7

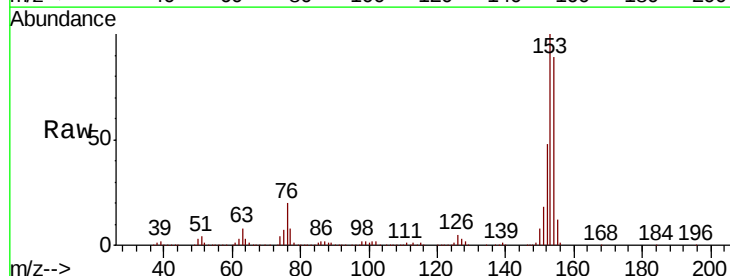


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

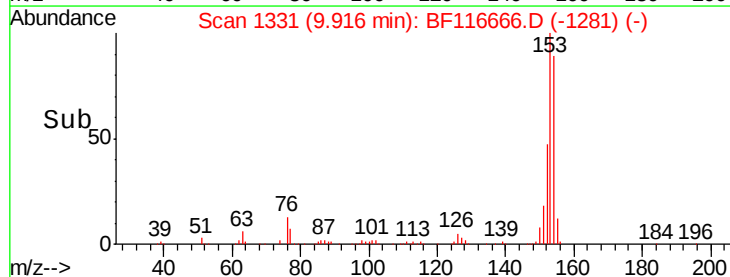
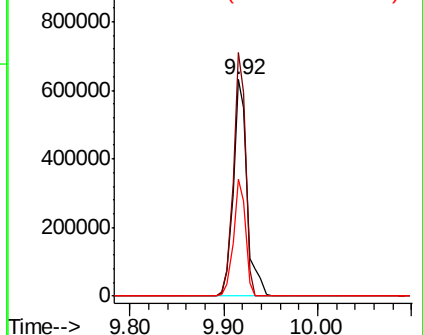


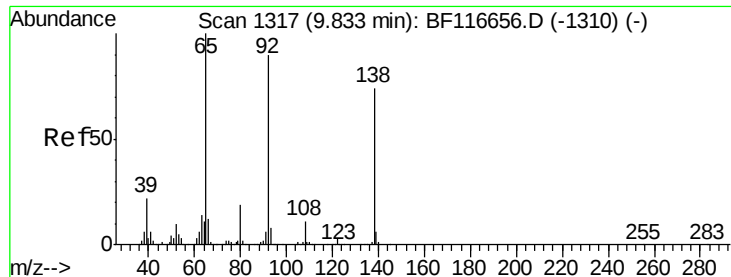
#52
 Acenaphthene
 Concen: 55.222 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion:154 Resp: 640551
 Ion Ratio Lower Upper
 154 100
 153 112.6 89.5 134.3
 152 54.0 41.9 62.9



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

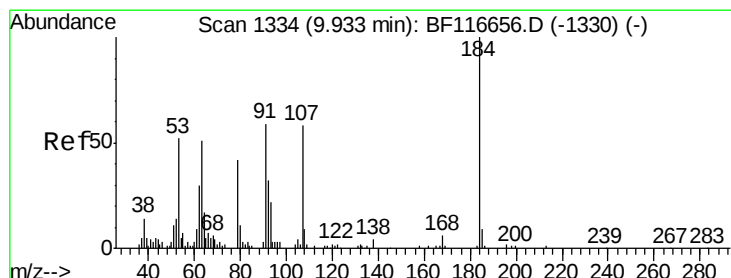
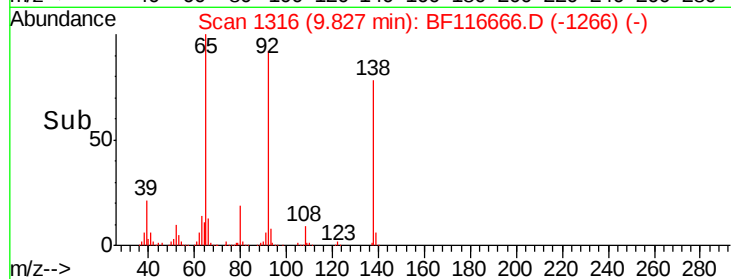
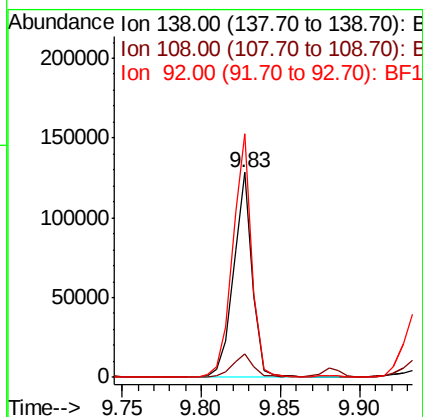
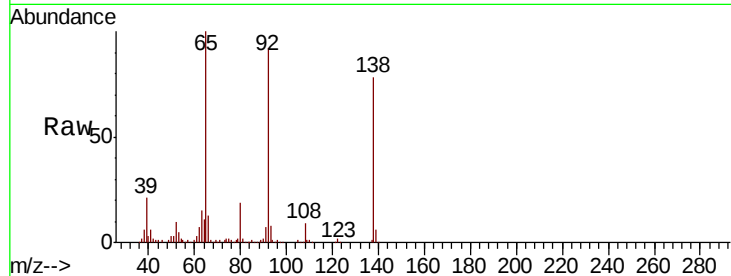




#53
3-Nitroaniline
Concen: 30.406 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

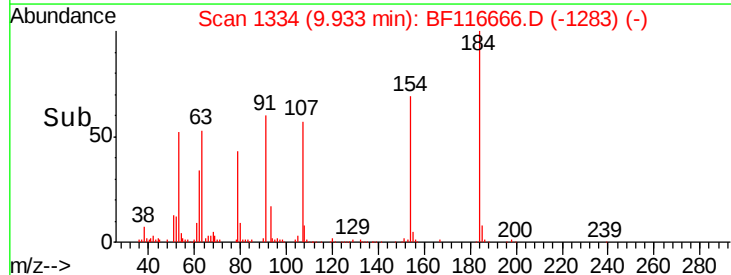
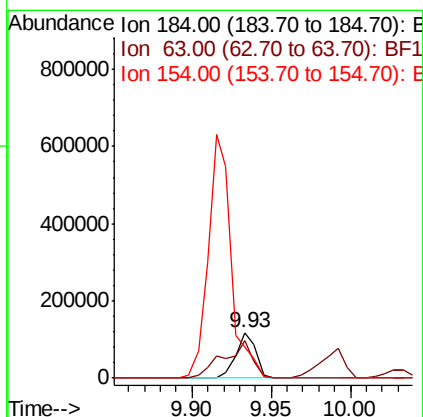
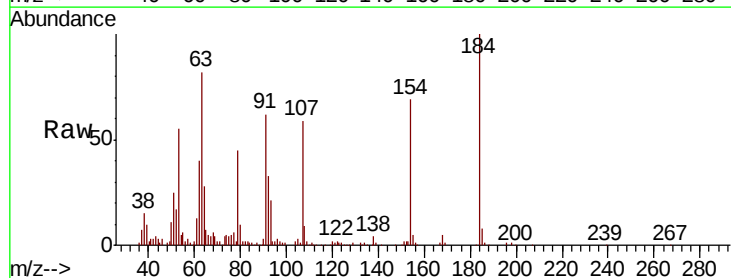
Instrument :
BNA_F
ClientSampleId :

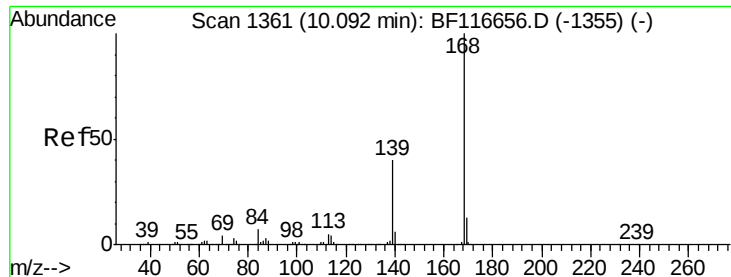
Tot Ion:138 Resp: 104301
Ion Ratio Lower Upper
138 100
108 11.3 8.5 12.7
92 118.7 87.2 130.8



#54
2,4-Dinitrophenol
Concen: 102.924 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:184 Resp: 102800
Ion Ratio Lower Upper
184 100
63 81.8 52.2 78.2#
154 68.7 60.8 91.2

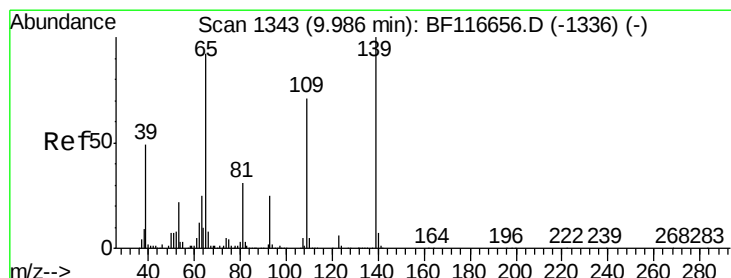
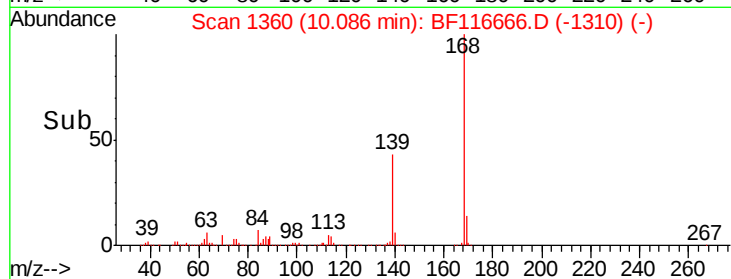
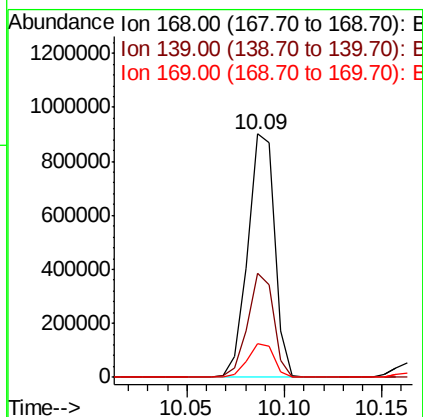
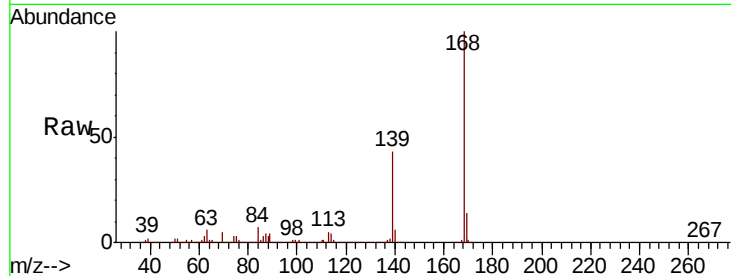




#55
Dibenzofuran
Concen: 52.712 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

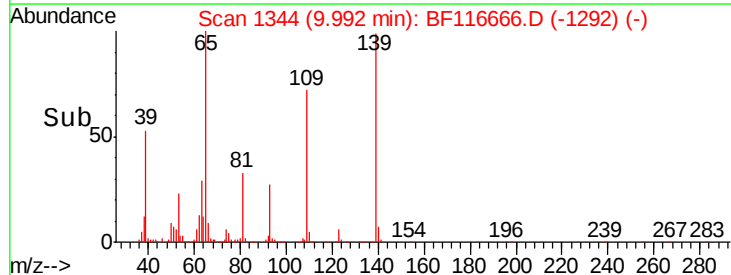
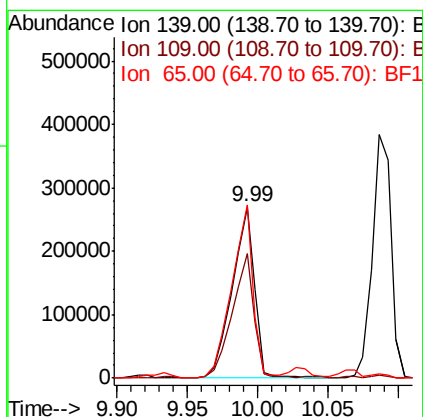
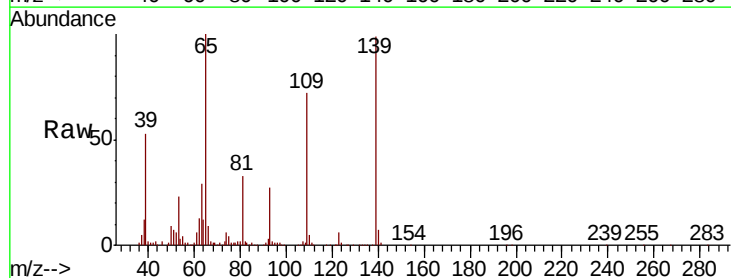
Instrument :
BNA_F
ClientSampleId :

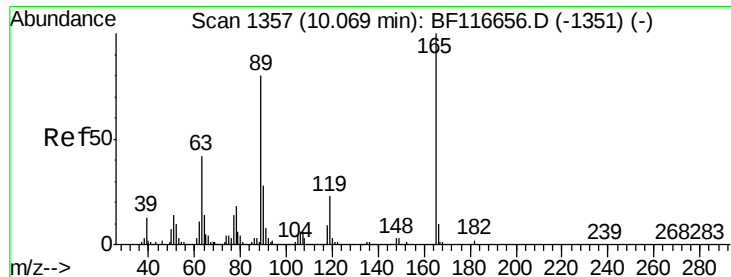
Tot Ion	Ratio	Lower	Upper
168	100		
139	42.6	31.5	47.3
169	13.9	10.3	15.5



#56
4-Nitrophenol
Concen: 126.328 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.9	61.7	101.7
65	101.4	89.1	129.1

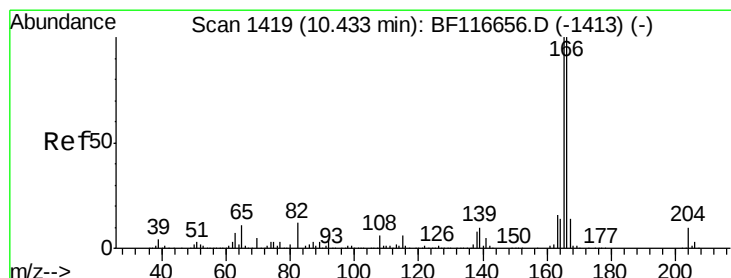
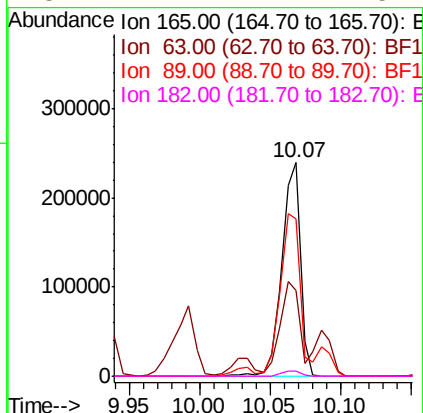
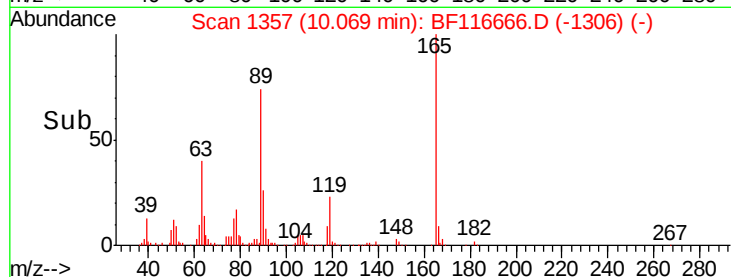
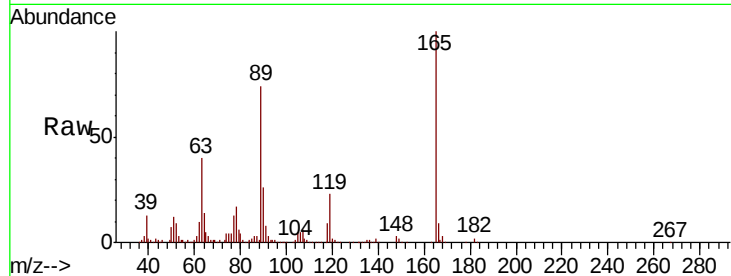




#57
2,4-Dinitrotoluene
Concen: 65.740 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

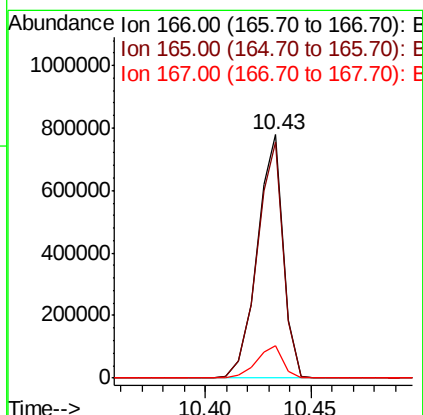
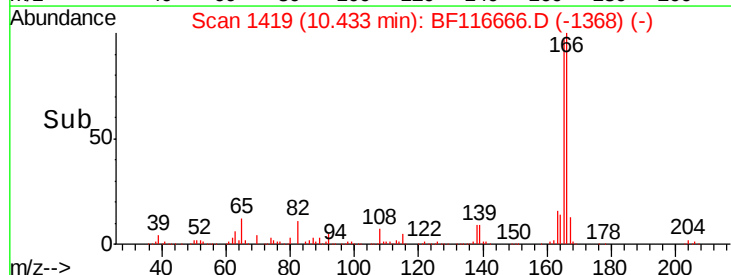
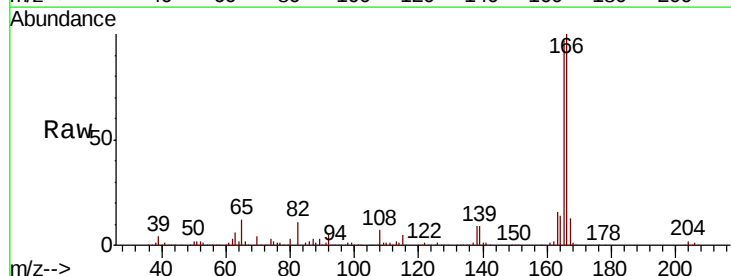
Instrument :
BNA_F
ClientSampleId :

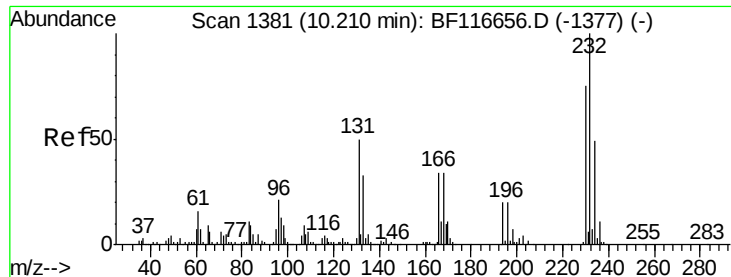
Tot Ion	Ratio	Lower	Upper
165	100		
63	40.0	36.4	54.6
89	74.0	62.6	94.0
182	2.2	2.1	3.1



#58
Fluorene
Concen: 53.471 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.8	118.2
167	13.3	10.0	15.0

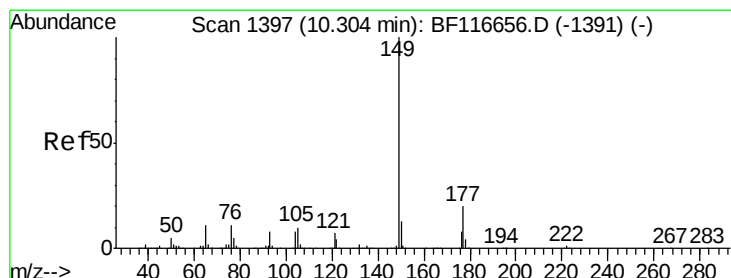
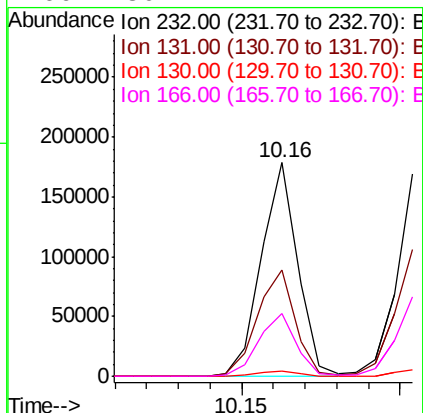
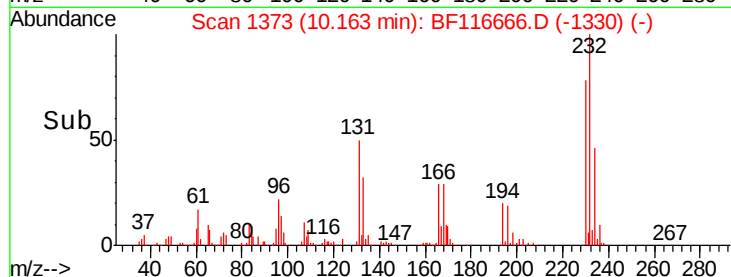
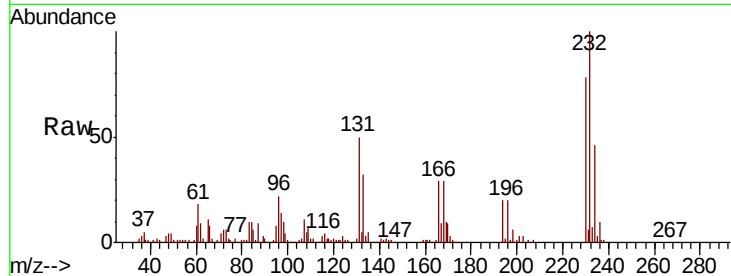




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.897 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.05 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

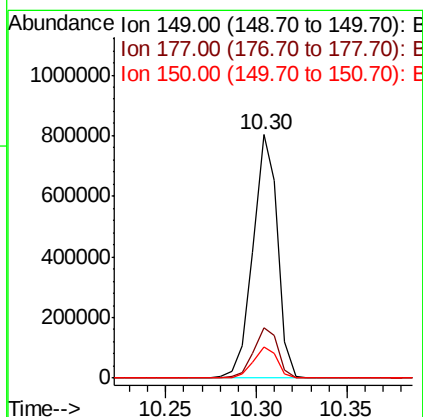
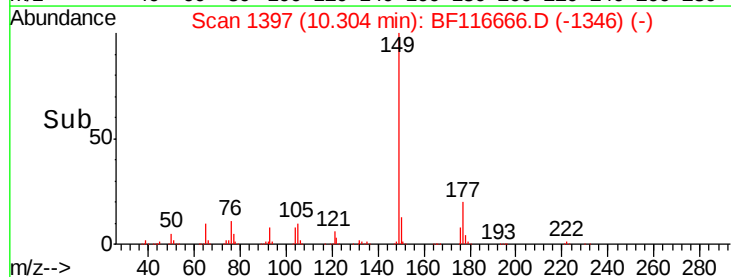
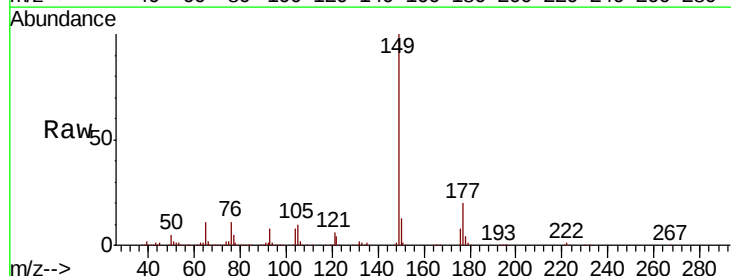
Instrument :
BNA_F
ClientSampled :

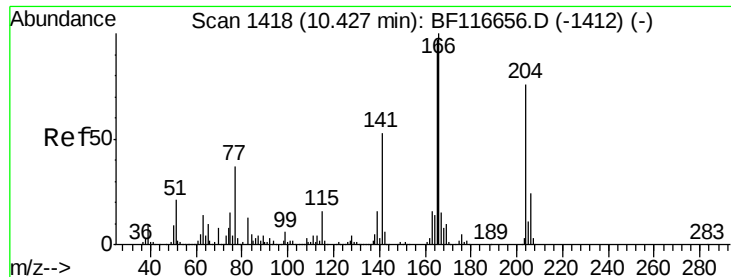
Tot Ion:232 Resp: 143012
Ion Ratio Lower Upper
232 100
131 52.1 42.7 64.1
130 2.7 1.9 2.9
166 30.1 27.4 41.2



#60
Diethylphthalate
Concen: 52.319 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:149 Resp: 751861
Ion Ratio Lower Upper
149 100
177 20.5 17.2 25.8
150 12.6 9.7 14.5





#61

4-Chlorophenyl-phenylether

Concen: 51.476 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

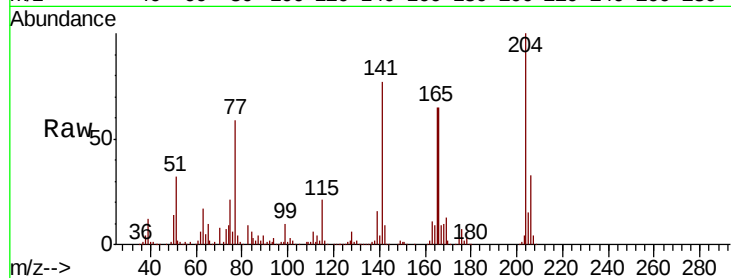
Tot Ion:204 Resp: 280855

Ion Ratio Lower Upper

204 100

206 33.1 25.4 38.2

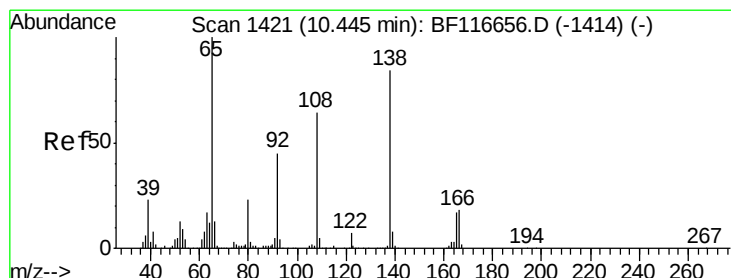
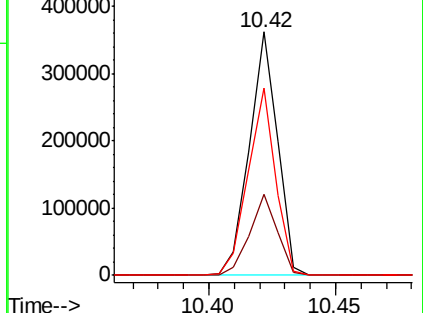
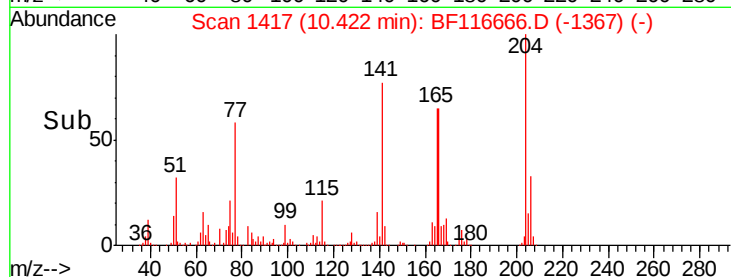
141 77.1 53.8 80.8



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 59.034 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

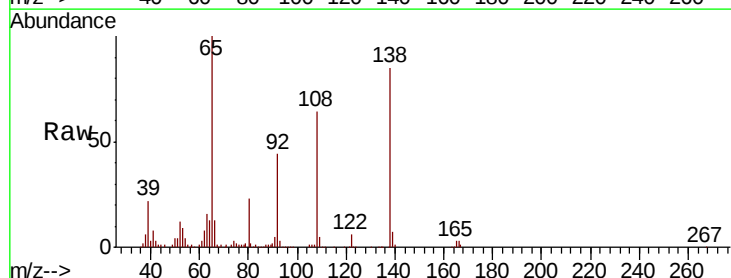
Tgt Ion:138 Resp: 196521

Ion Ratio Lower Upper

138 100

92 52.2 28.7 68.7

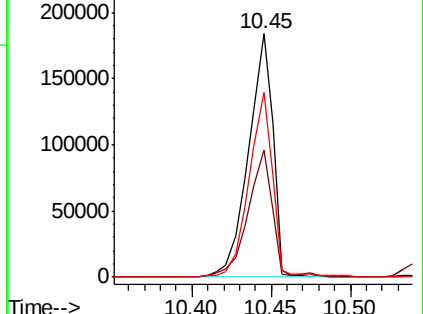
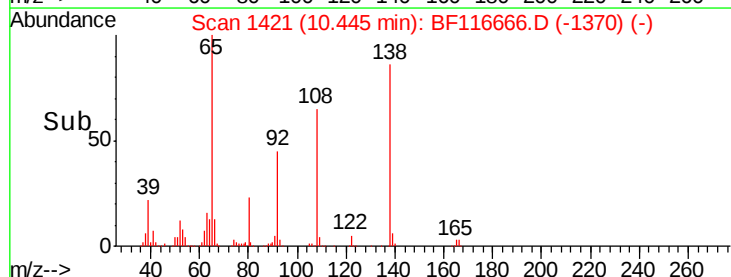
108 75.8 60.4 100.4

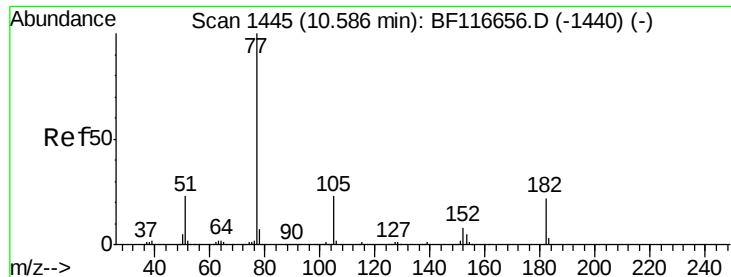


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 54.047 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 809871

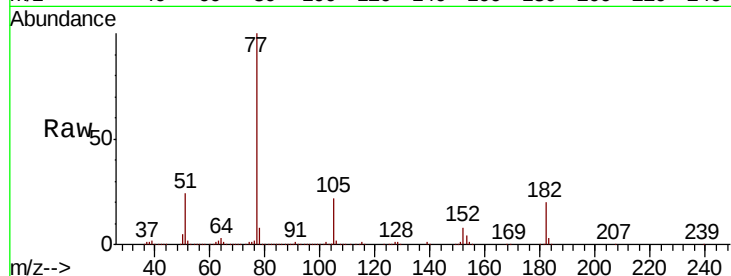
Ion Ratio Lower Upper

77 100

182 19.6 1.2 41.2

105 22.0 0.6 40.6

51 23.7 8.2 48.2

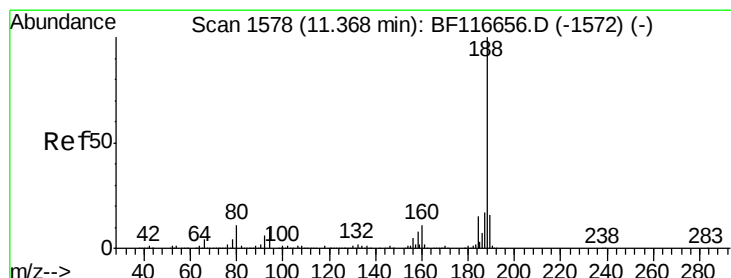
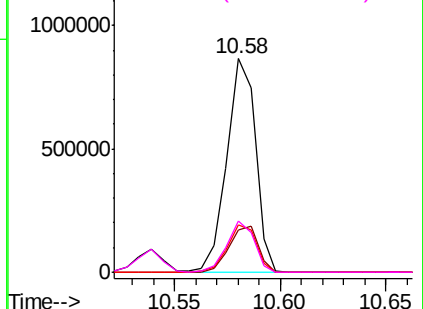
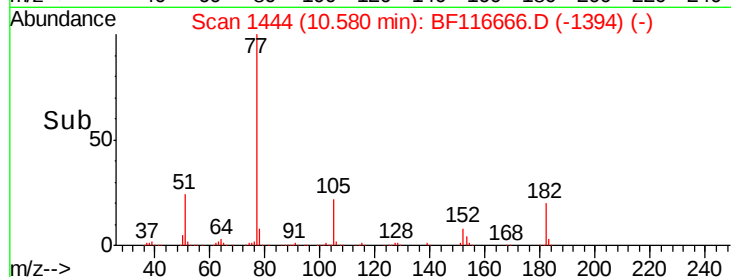


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

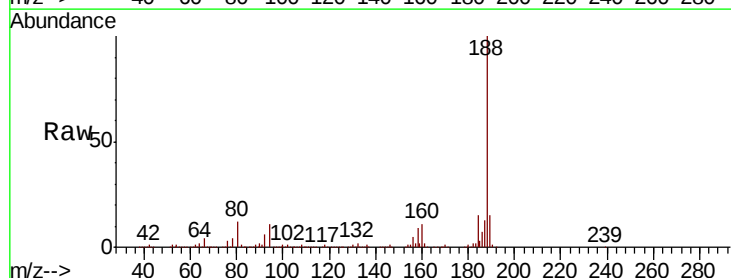
Tgt Ion: 188 Resp: 351458

Ion Ratio Lower Upper

188 100

94 10.7 7.3 10.9

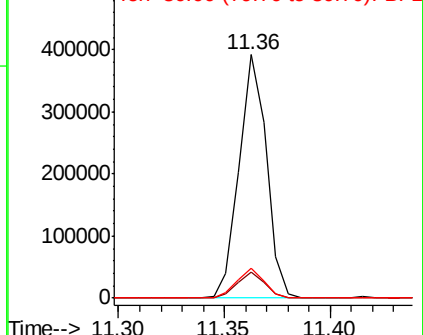
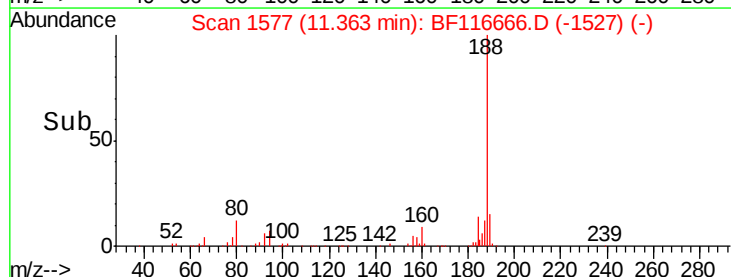
80 12.1 8.4 12.6

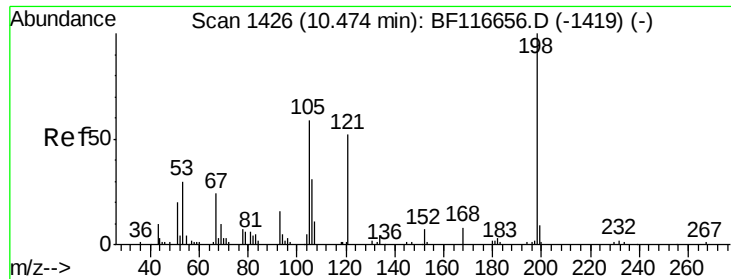


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

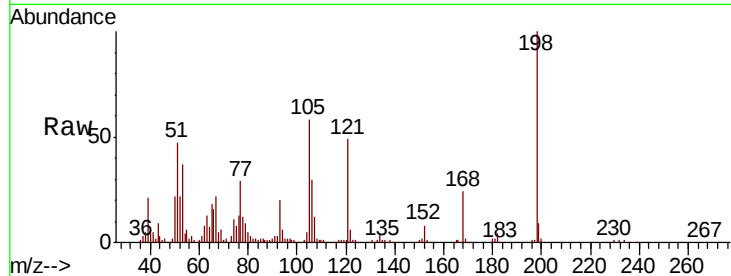




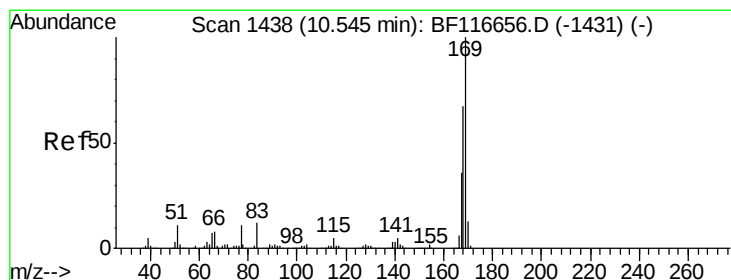
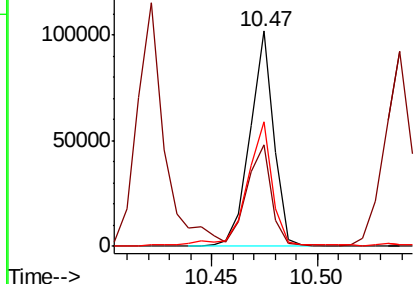
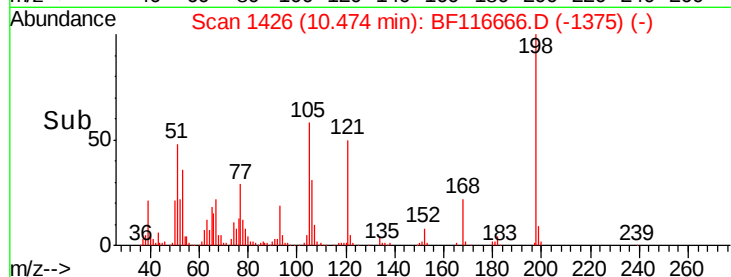
#65
4,6-Dinitro-2-methylphenol
Concen: 59.856 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.2	18.4	58.4
105	58.1	22.9	62.9

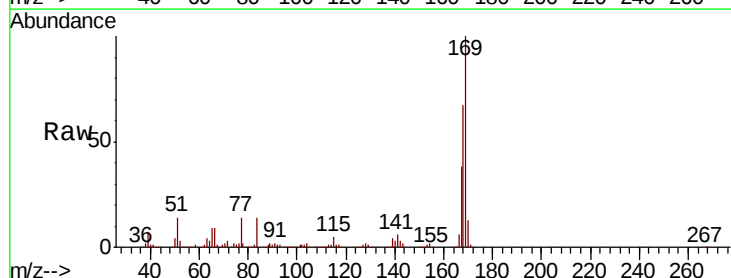


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

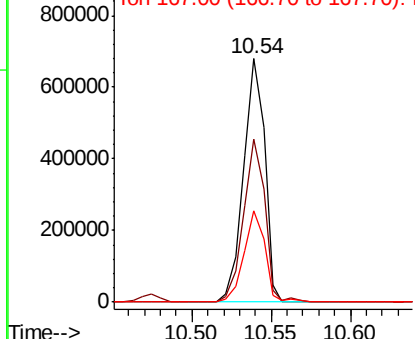
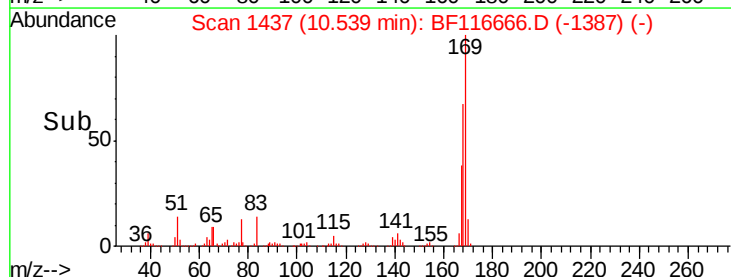


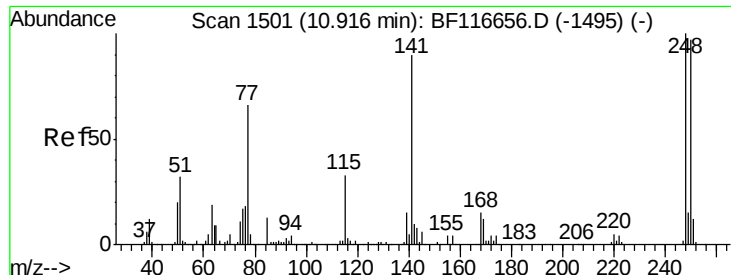
#66
n-Nitrosodiphenylamine
Concen: 51.689 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	55.8	83.6
167	37.5	29.4	44.2



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

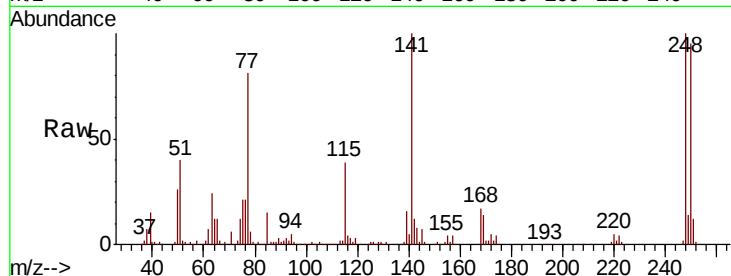




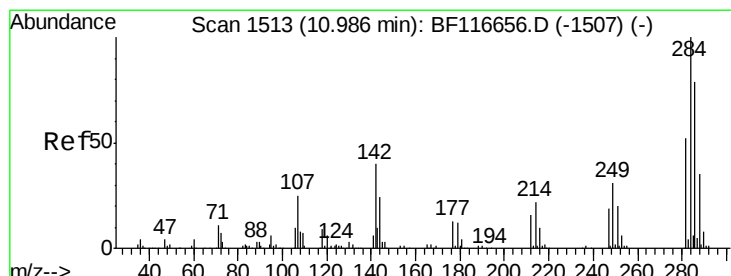
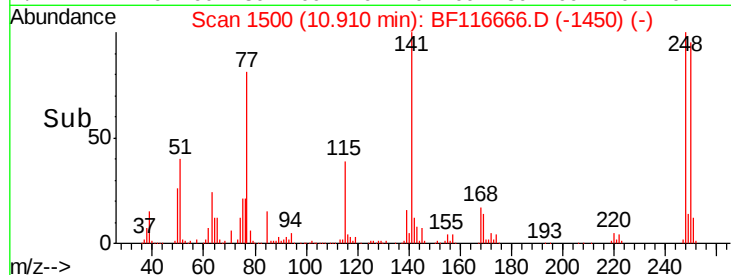
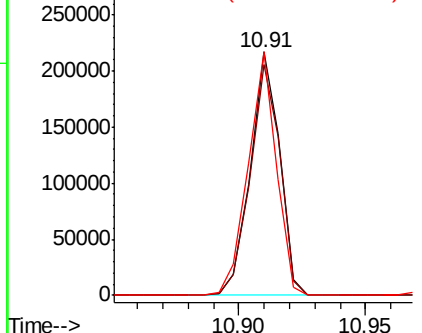
#67
 4-Bromophenyl-phenylether
 Concen: 48.867 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 174472
 Ion Ratio Lower Upper
 248 100
 250 95.0 77.8 116.8
 141 99.9 75.9 113.9

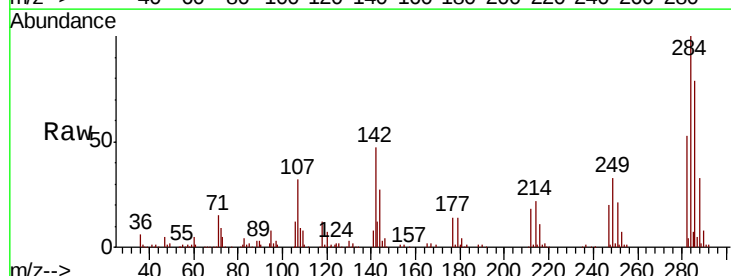


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

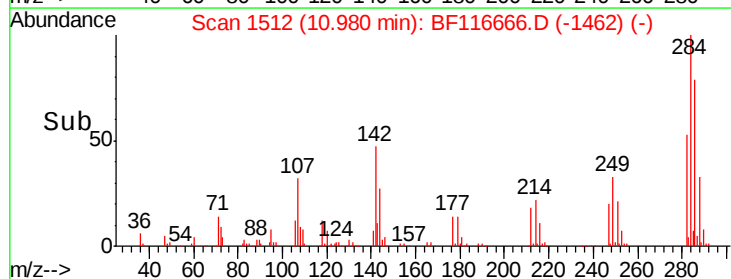
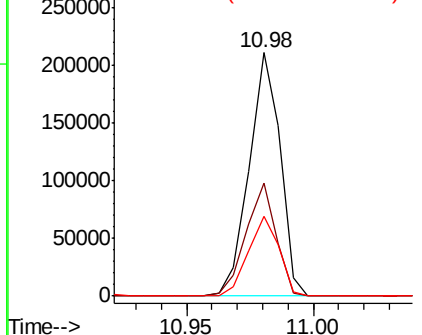


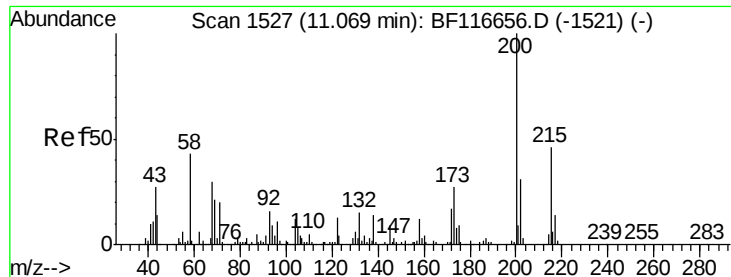
#68
 Hexachlorobenzene
 Concen: 48.344 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion:284 Resp: 180588
 Ion Ratio Lower Upper
 284 100
 142 46.5 34.0 51.0
 249 33.0 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: 52.828 ng

RT: 11.06 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

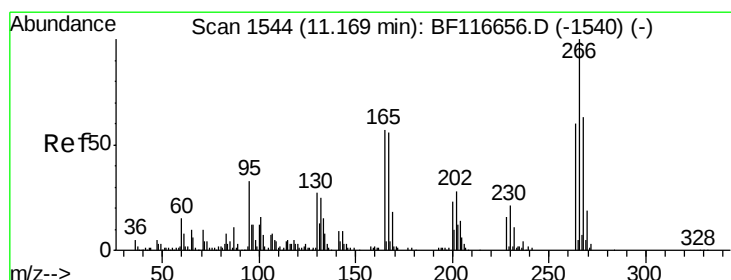
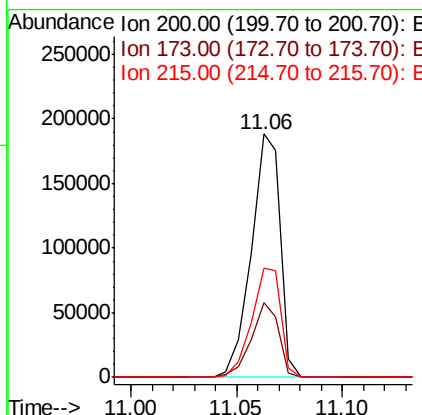
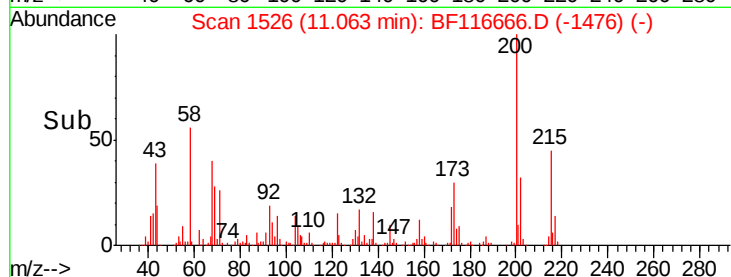
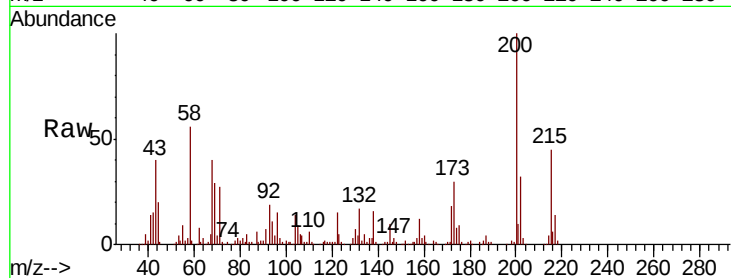
Tot Ion:200 Resp: 179887

Ion Ratio Lower Upper

200 100

173 30.5 6.2 46.2

215 45.0 24.3 64.3



#70

Pentachlorophenol

Concen: 105.860 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

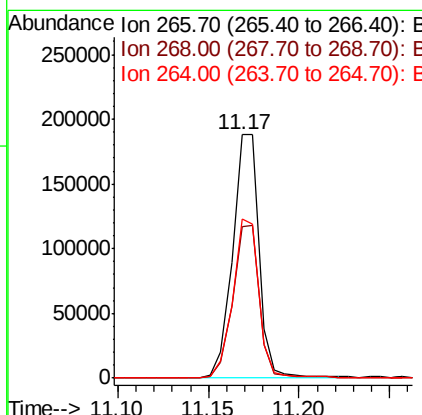
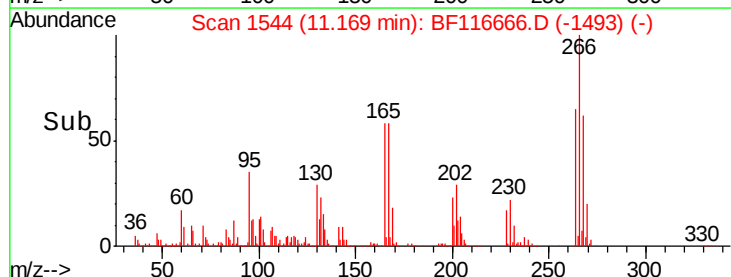
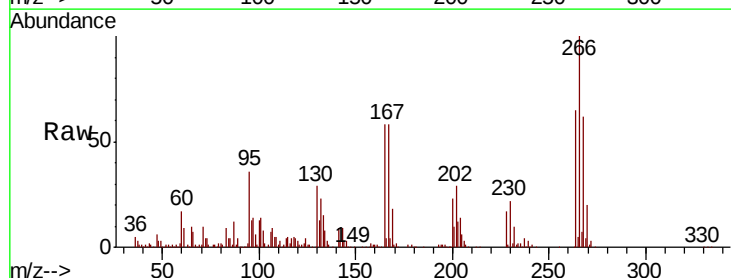
Tgt Ion:266 Resp: 191293

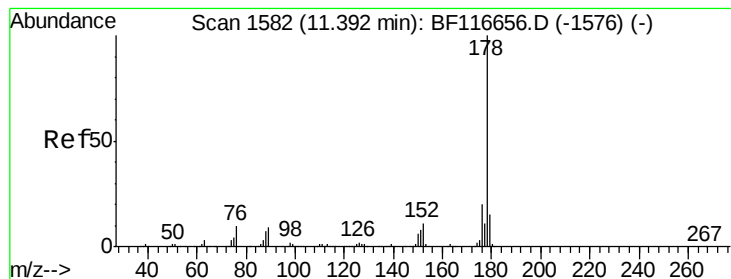
Ion Ratio Lower Upper

266 100

268 62.2 51.2 76.8

264 65.4 51.9 77.9





#71

Phenanthrene

Concen: 51.716 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

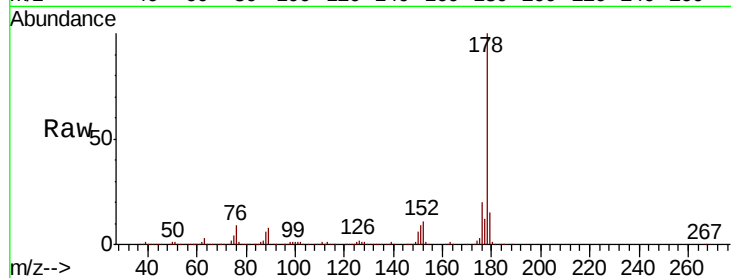
Tot Ion:178 Resp: 1011791

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.0

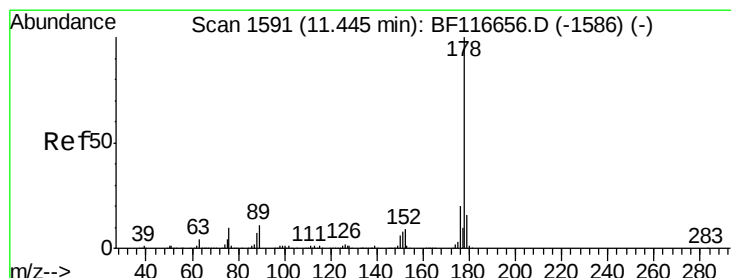
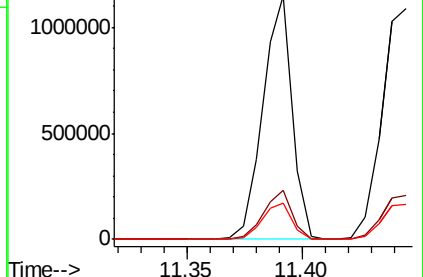
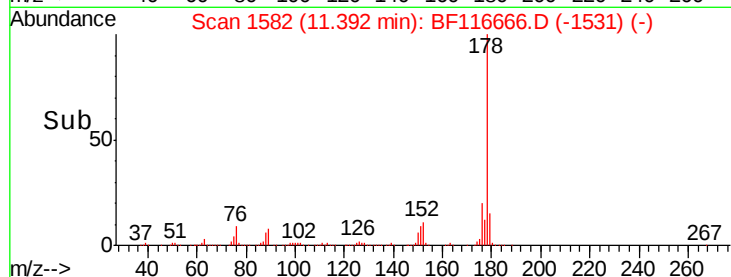
179 15.1 12.2 18.2



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: 53.098 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

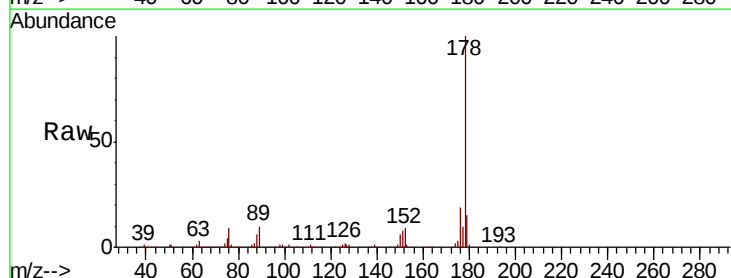
Tgt Ion:178 Resp: 1045735

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

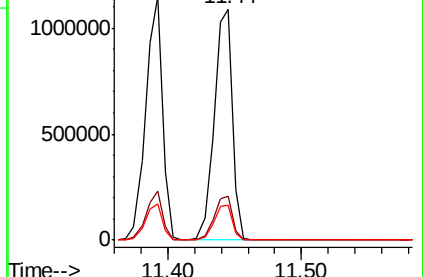
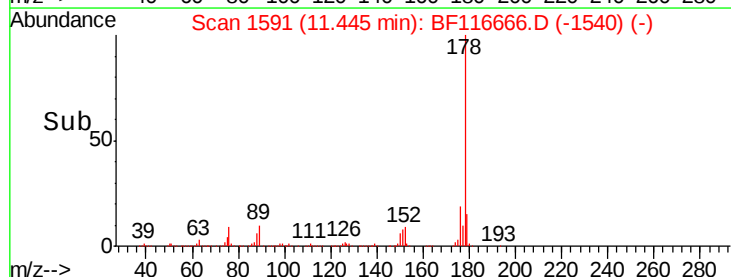
179 15.1 12.5 18.7

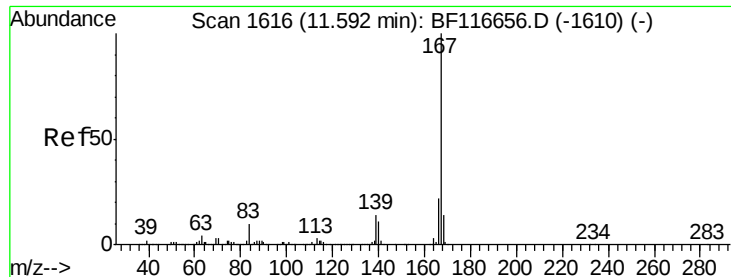


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



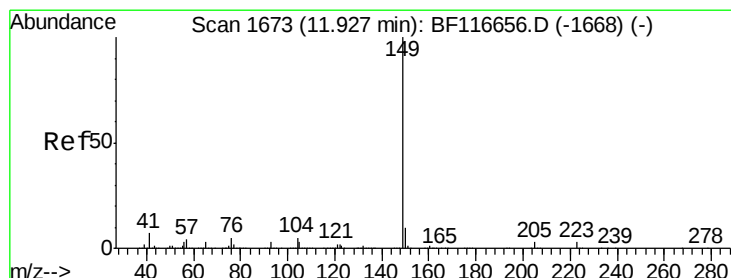
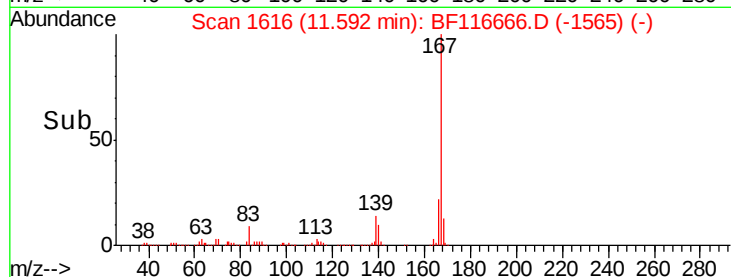
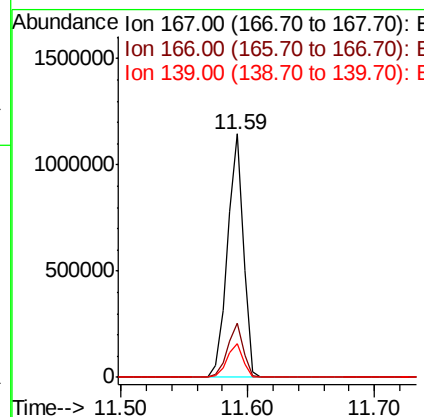
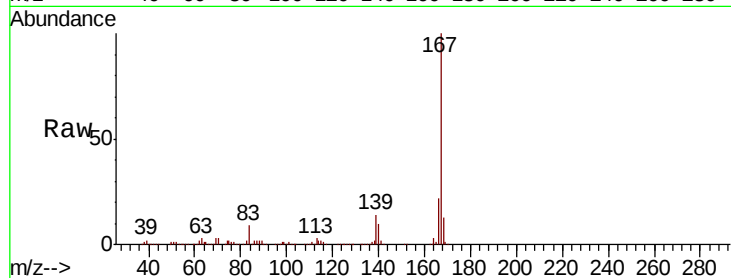


#73
 Carbazole
 Concen: 53.551 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 1004622

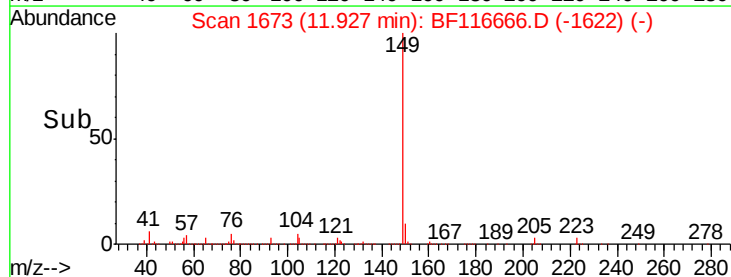
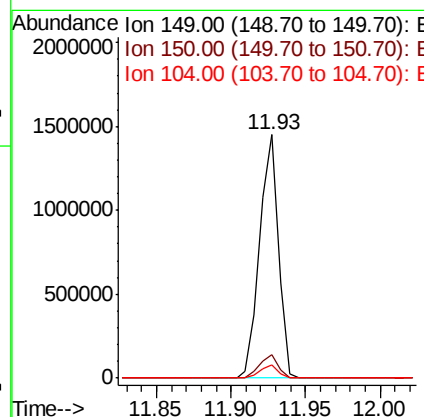
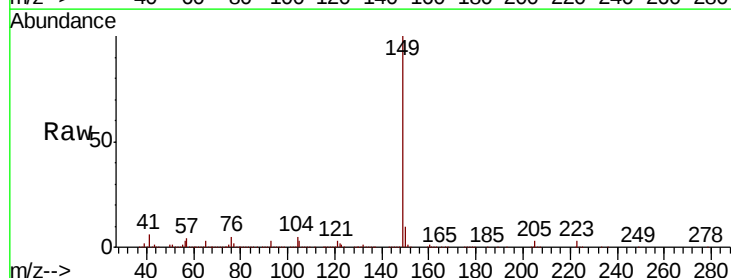
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.6
139	13.9	11.1	16.7

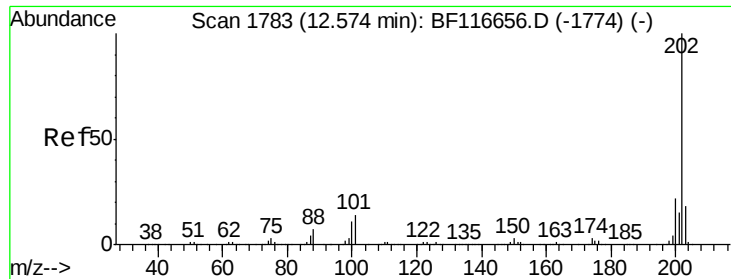


#74
 Di-n-butylphthalate
 Concen: 52.167 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BF116666.D
 Acq: 30 Aug 2019 22:48

Tgt Ion:149 Resp: 1254608

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.2	4.2	6.2

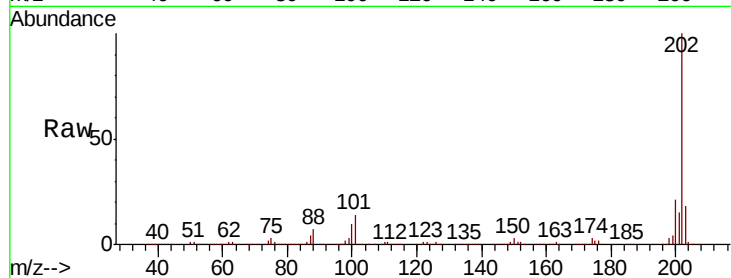




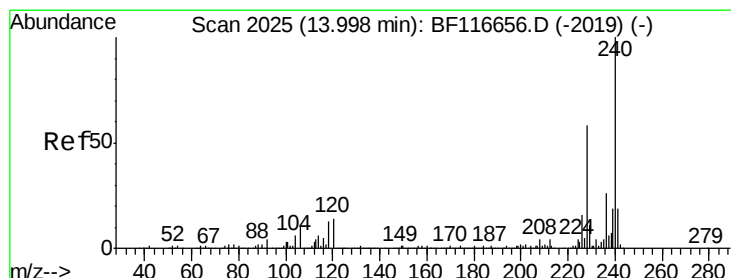
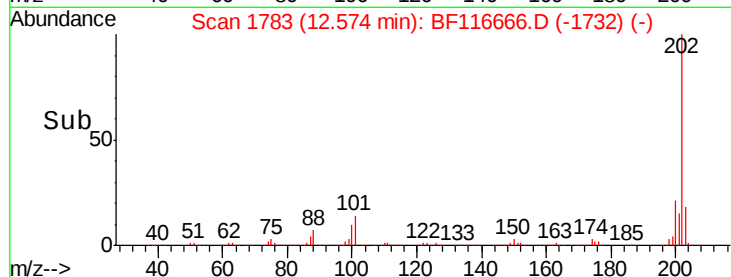
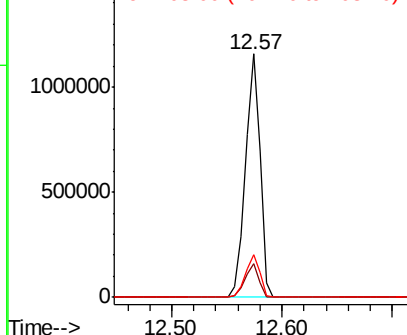
#75
Fluoranthene
Concen: 55.935 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1075464
Ion Ratio Lower Upper
202 100
101 13.9 0.0 31.3
203 17.8 0.0 37.6

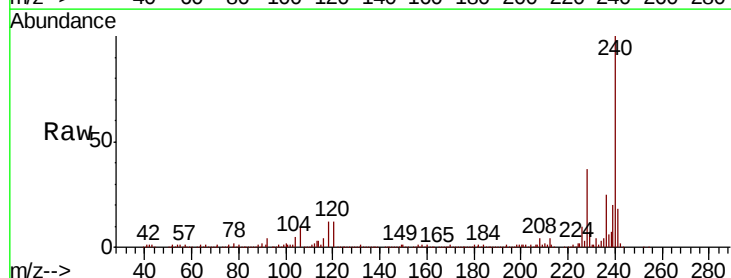


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

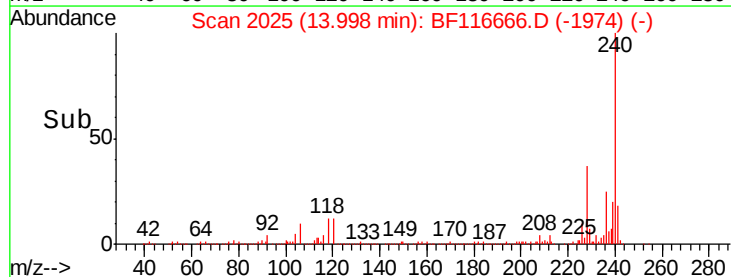
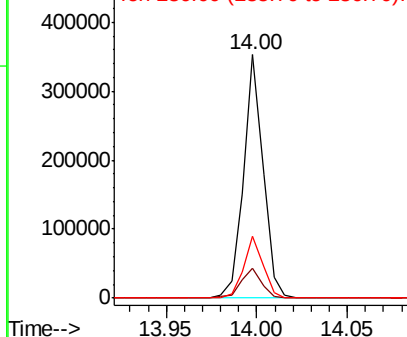


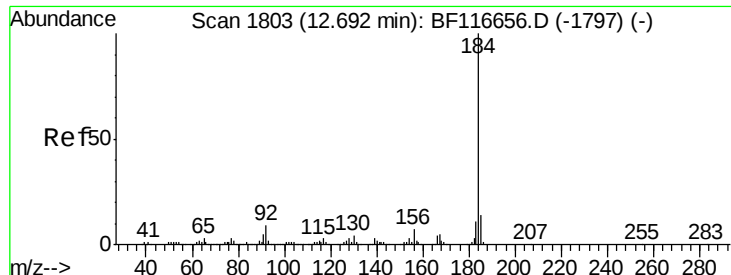
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:240 Resp: 263663
Ion Ratio Lower Upper
240 100
120 12.5 9.1 13.7
236 25.5 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: 46.325 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

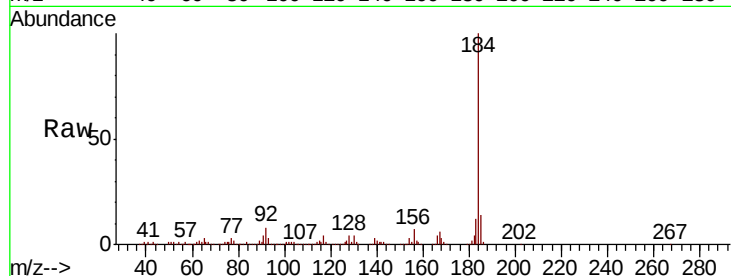
Tot Ion:184 Resp: 479067

Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

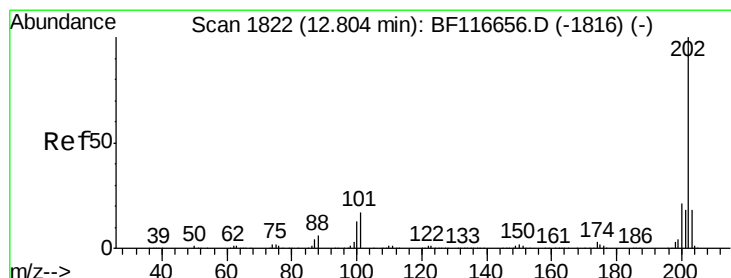
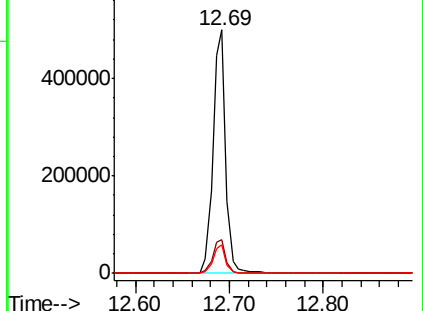
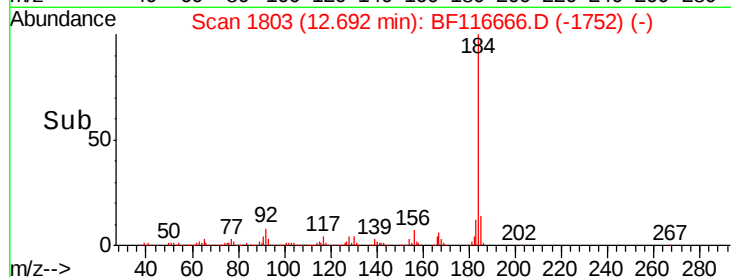
183 11.7 9.2 13.8



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: 46.158 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

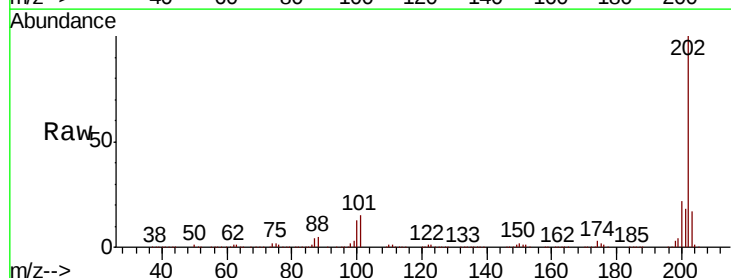
Tgt Ion:202 Resp: 1081843

Ion Ratio Lower Upper

202 100

200 21.8 16.5 24.7

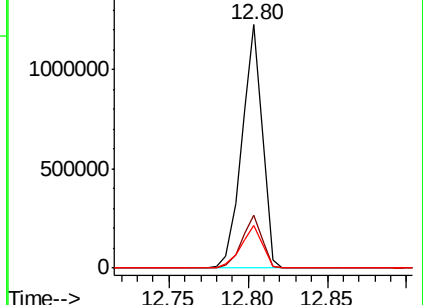
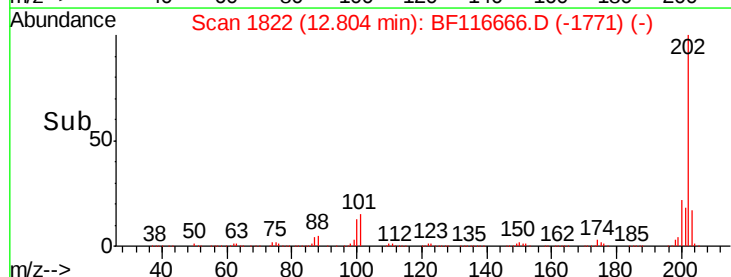
203 17.4 13.7 20.5

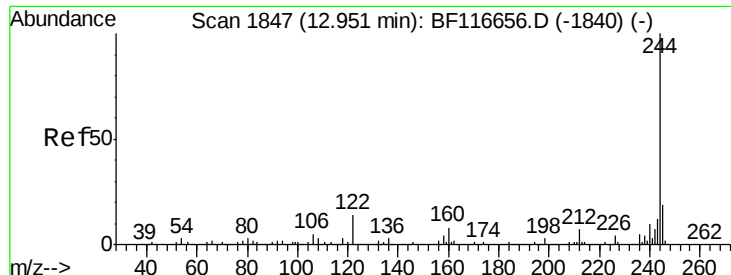


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.507 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

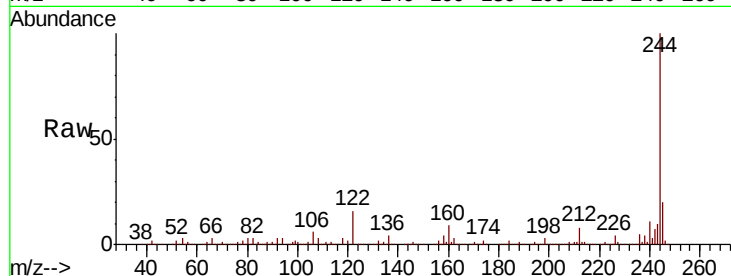
Tot Ion:244 Resp: 1232948

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

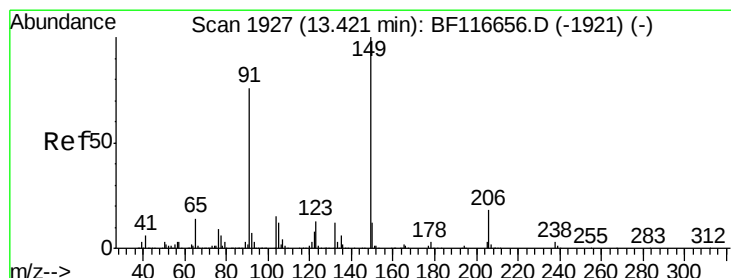
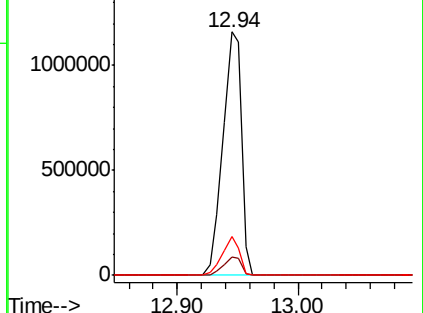
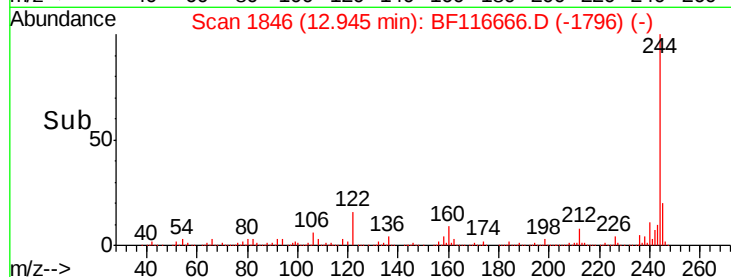
122 15.9 10.2 15.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 49.949 ng

RT: 13.42 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

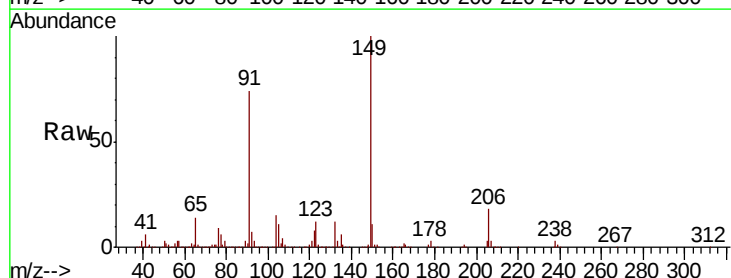
Tgt Ion:149 Resp: 569312

Ion Ratio Lower Upper

149 100

91 73.8 61.0 91.4

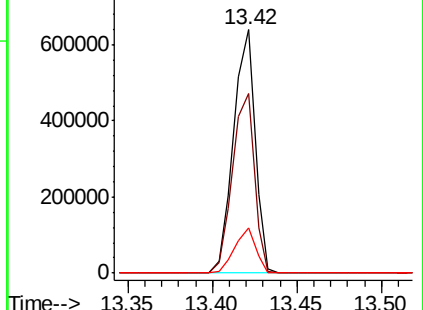
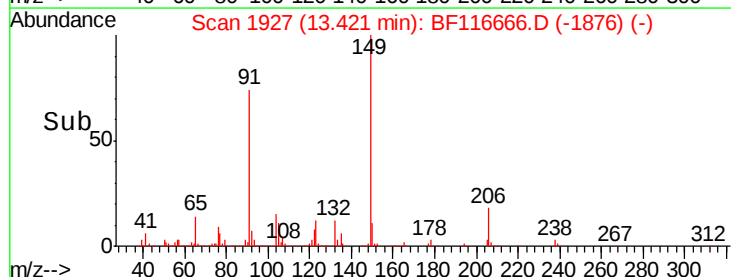
206 18.4 14.8 22.2

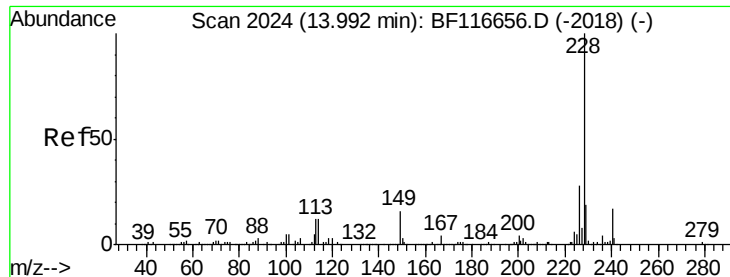


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.675 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

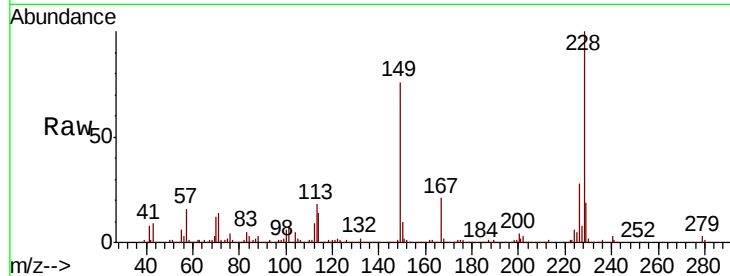
Tot Ion:228 Resp: 828932

Ion Ratio Lower Upper

228 100

226 27.7 22.0 33.0

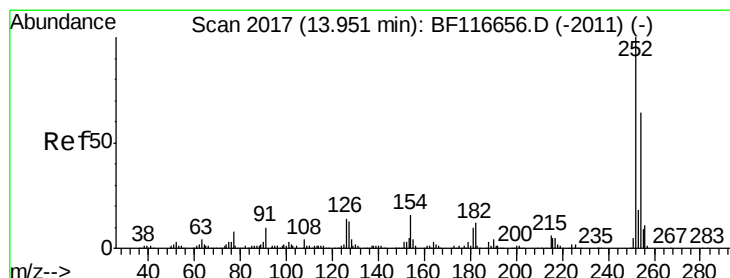
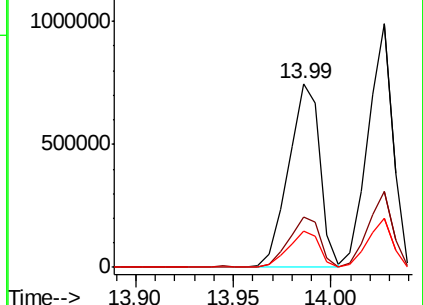
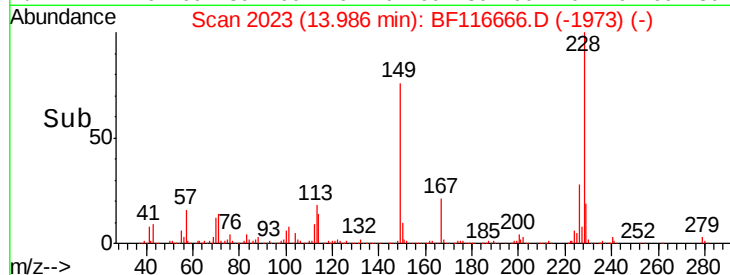
229 19.4 16.4 24.6



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: 34.845 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

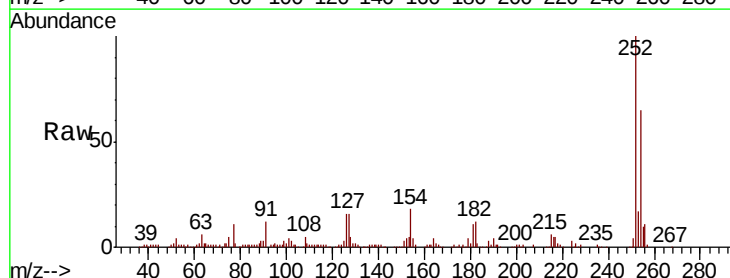
Tgt Ion:252 Resp: 196502

Ion Ratio Lower Upper

252 100

254 64.5 50.1 75.1

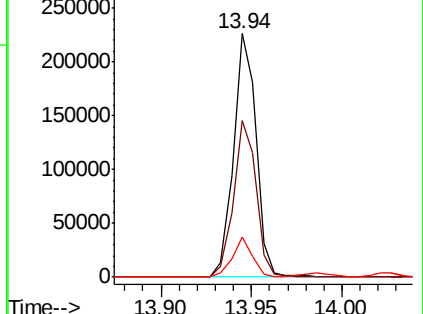
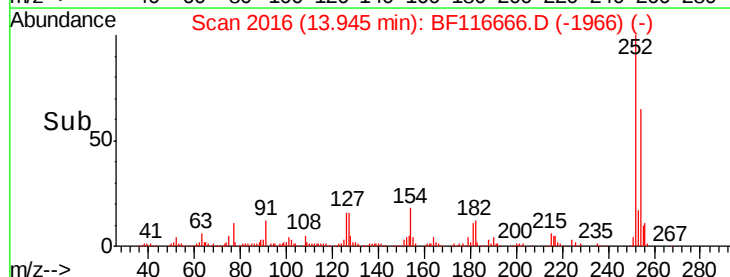
126 16.3 10.6 16.0#

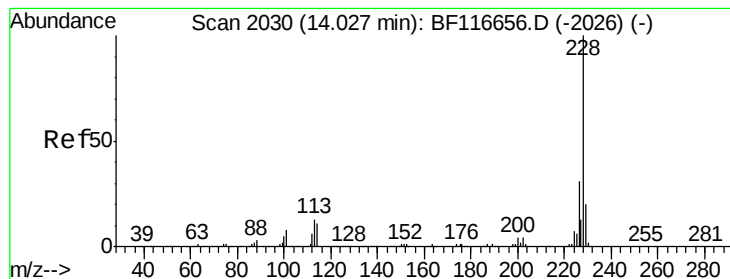


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 50.701 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampled :

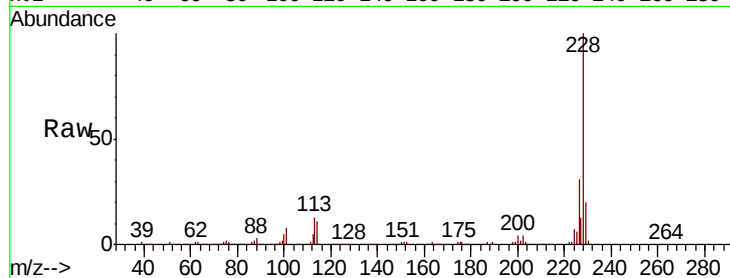
Tot Ion:228 Resp: 871650

Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

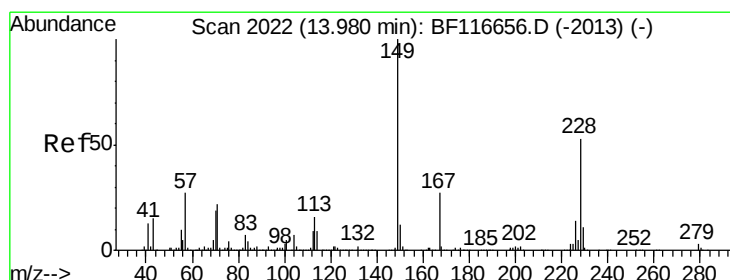
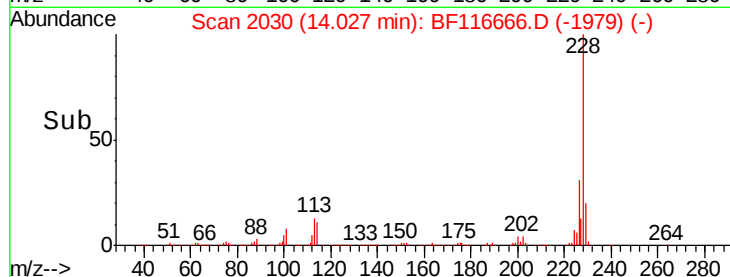
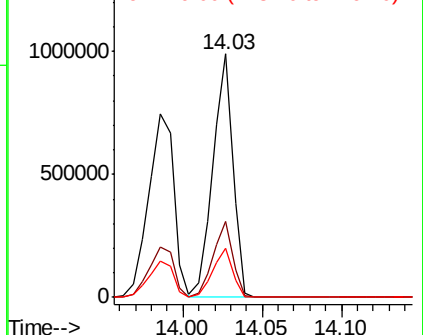
229 19.9 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.708 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

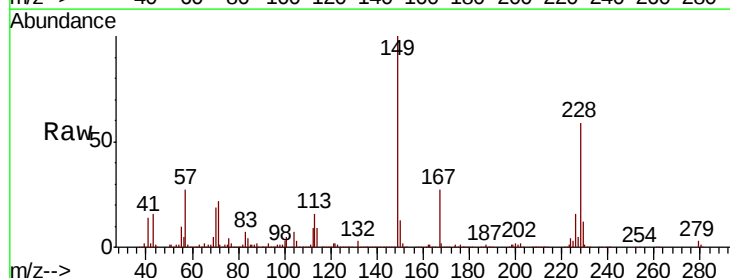
Tgt Ion:149 Resp: 741587

Ion Ratio Lower Upper

149 100

167 26.9 21.0 31.4

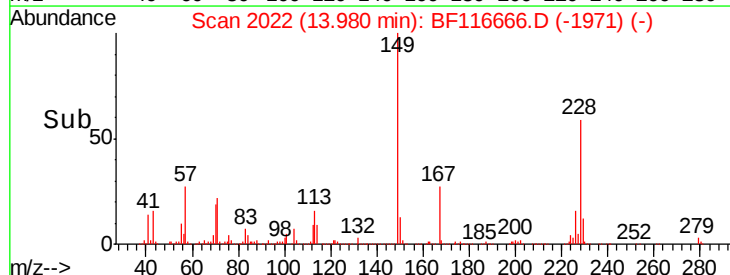
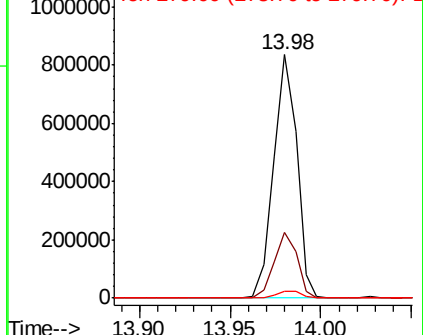
279 3.1 2.8 4.2

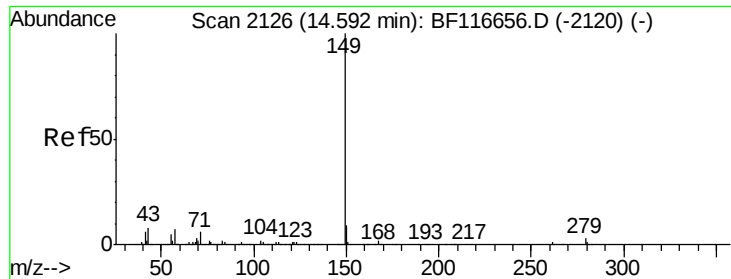


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

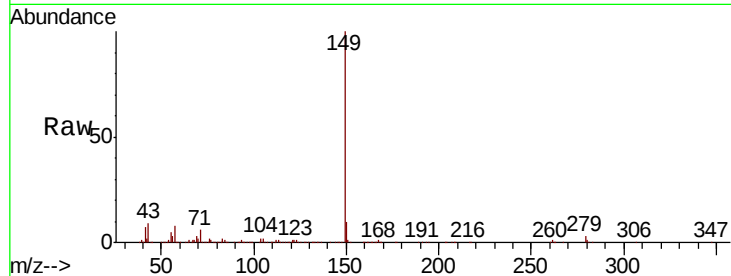




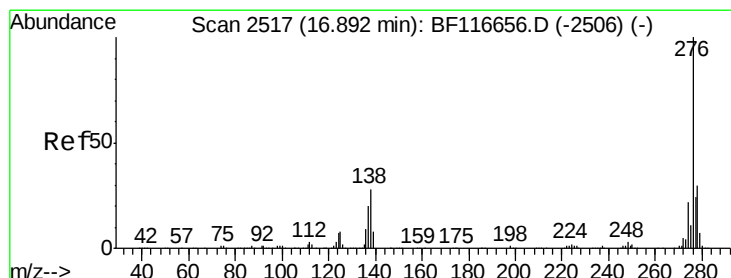
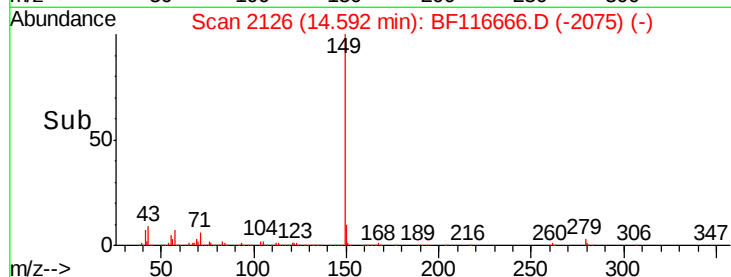
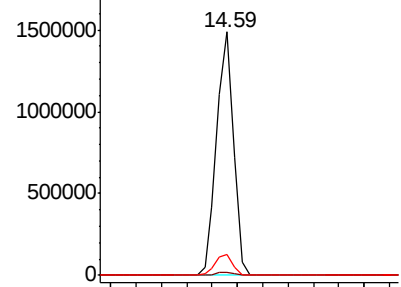
#85
Di-n-octyl phthalate
Concen: 59.578 ng
RT: 14.59 min Scan# 2126
Delta R.T. 0.00 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1371767
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.7 7.8 11.8

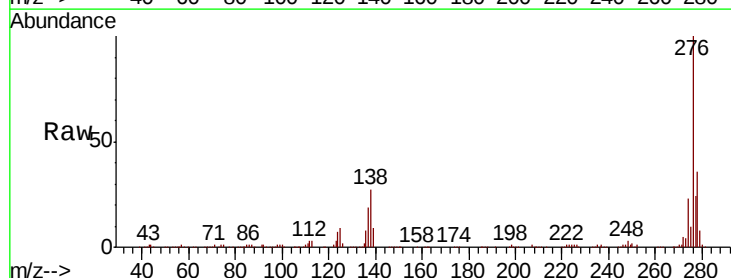


Abundance Ion 149.00 (148.70 to 149.70): E
2000000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

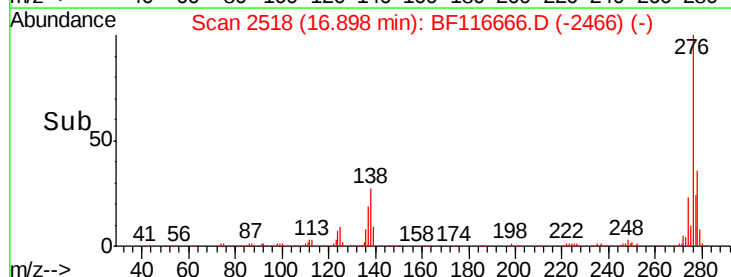
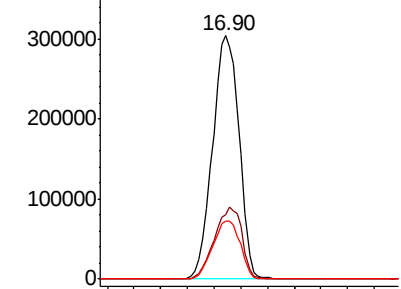


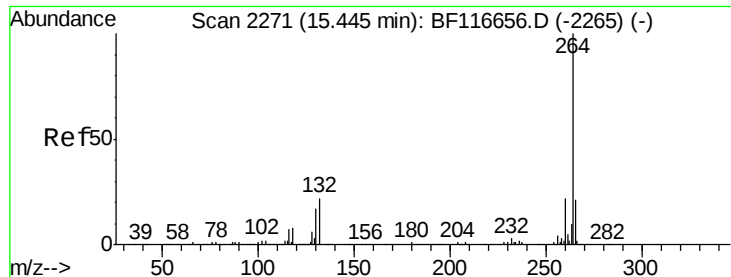
#86
Indeno(1,2,3-cd)pyrene
Concen: 61.503 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:276 Resp: 849288
Ion Ratio Lower Upper
276 100
138 30.6 19.4 29.2#
277 24.8 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E
400000 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: BF116666.D

Acq: 30 Aug 2019 22:48

Instrument :

BNA_F

ClientSampleId :

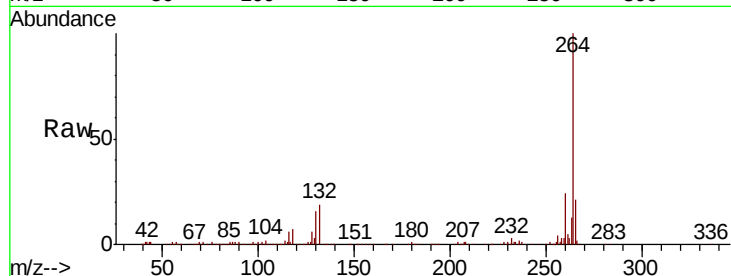
Tot Ion:264 Resp: 278121

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

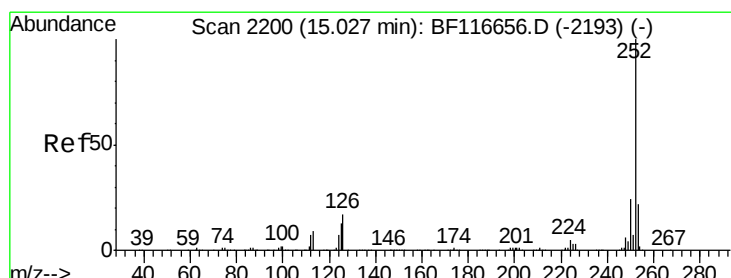
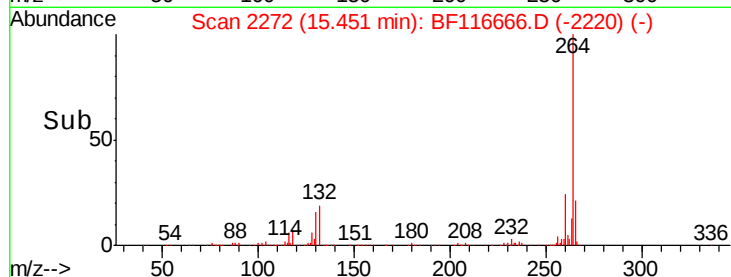
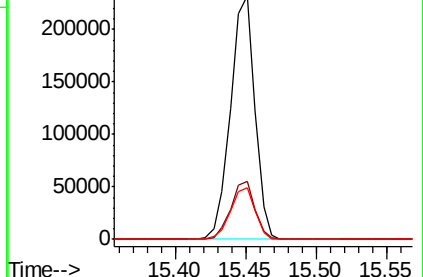
265 21.2 16.5 24.7



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: 50.925 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116666.D

Acq: 30 Aug 2019 22:48

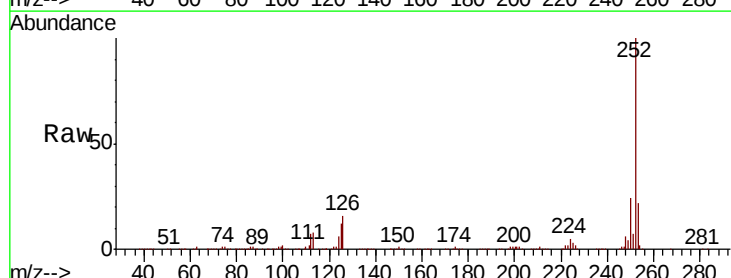
Tgt Ion:252 Resp: 856288

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

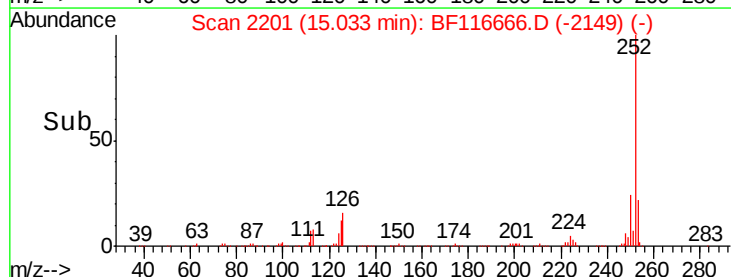
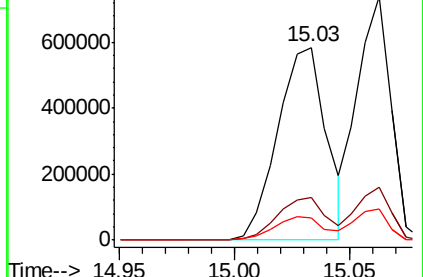
125 11.8 8.2 12.2

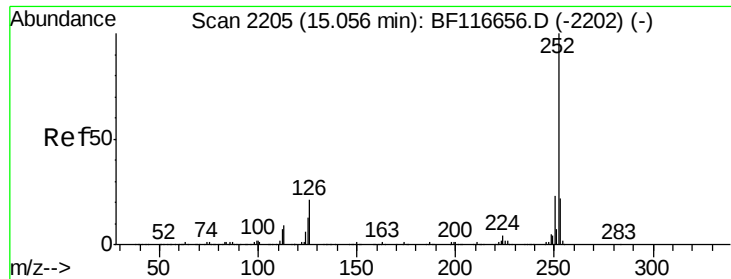


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

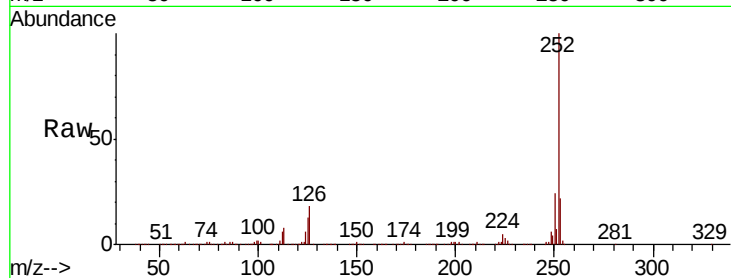




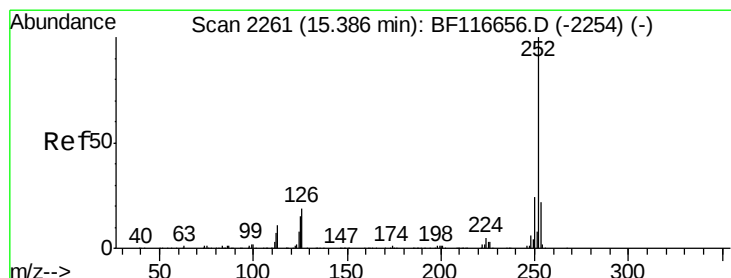
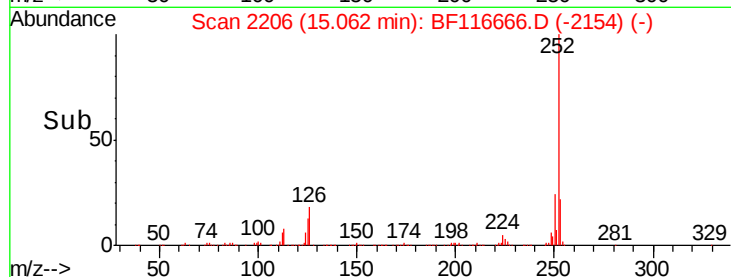
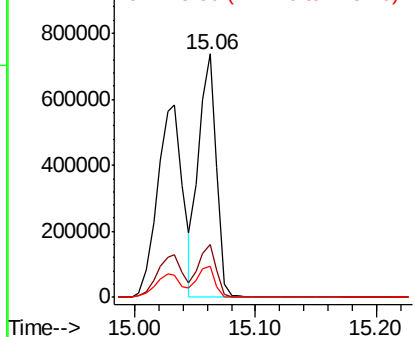
#89
Benzo(k)fluoranthene
Concen: 49.097 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 752723
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.7 8.6 13.0

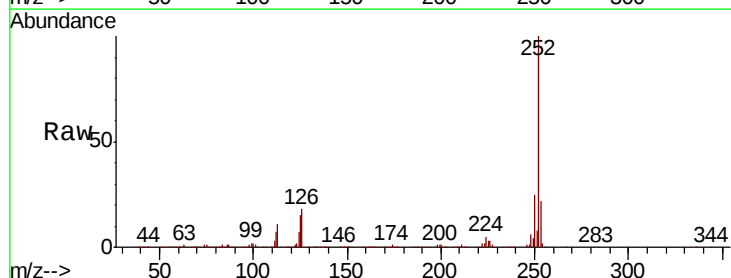


Abundance Ion 252.00 (251.70 to 252.70): E
1000000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

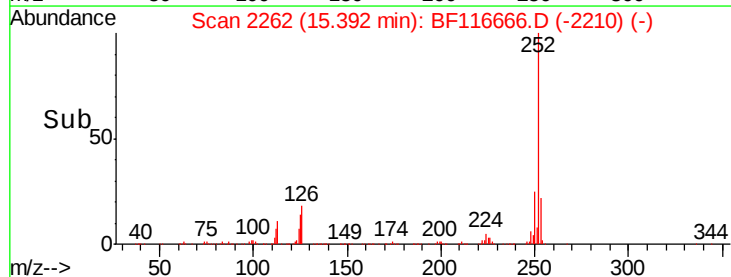
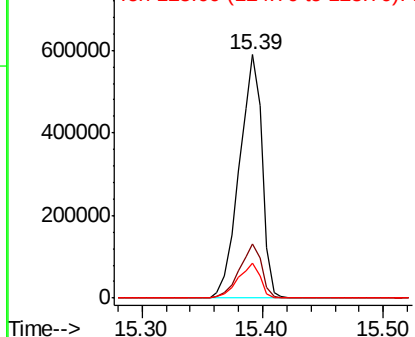


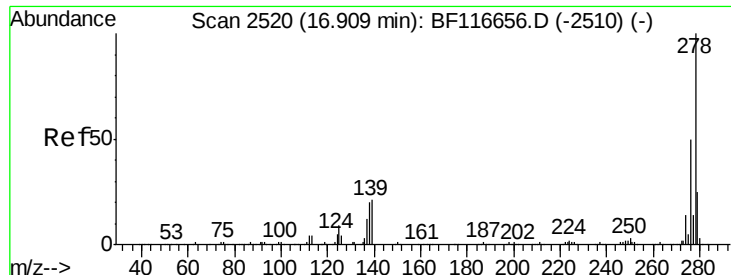
#90
Benzo(a)pyrene
Concen: 53.058 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion:252 Resp: 776195
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 14.5 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E
800000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

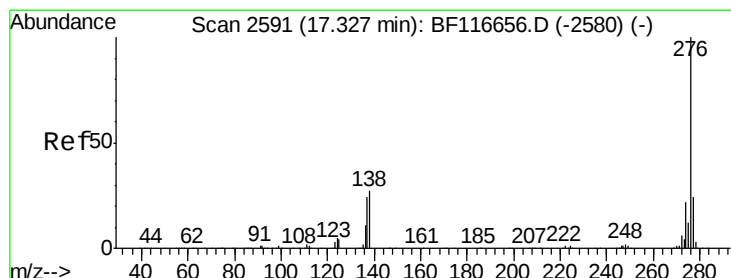
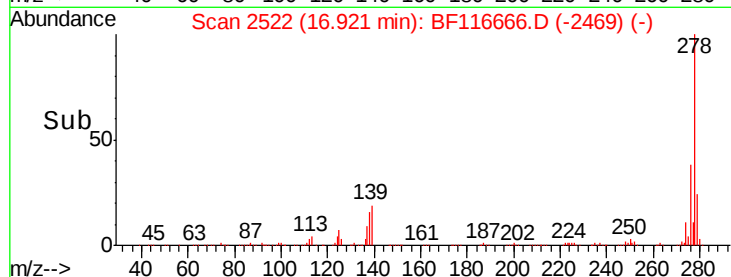
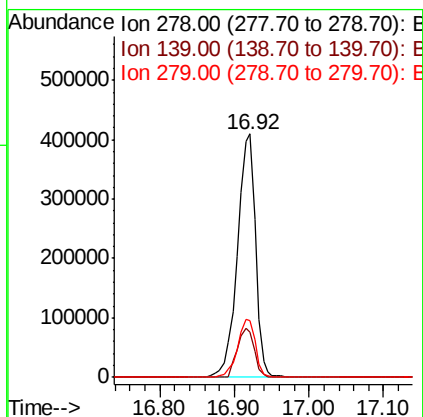
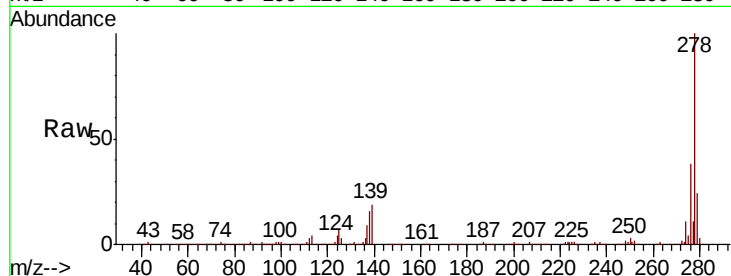




#91
Dibenzo(a,h)anthracene
Concen: 53.952 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	12.4	18.6
279	23.5	18.2	27.4



#92
Benzo(g,h,i)perylene
Concen: 55.130 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116666.D
Acq: 30 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.5	27.7
138	27.0	16.2	24.2

