

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116837.D
 Acq On : 5 Sep 2019 14:54
 Operator : HP/JU
 Sample : K4679-08MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:53:40 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	91149	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	372803	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	194818	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	319118	20.00	ng	0.00
76) Chrysene-d12	14.00	240	223817	20.00	ng	0.00
87) Perylene-d12	15.46	264	218631	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	421660	74.94	ng	0.00
7) Phenol-d6	6.48	99	587196	79.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	355447	54.43	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	124698	95.74	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	617126	53.44	ng	0.00
79) Terphenyl-d14	12.94	244	581640	48.08	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.59	88	58400	22.485	ng	96
3) Pyridine	3.35	79	153555	20.420	ng	92
4) n-Nitrosodimethylamine	3.27	42	67033	25.959	ng	93
6) Aniline	6.50	93	228870	22.367	ng	97
8) 2-Chlorophenol	6.63	128	193631	31.526	ng	99
9) Benzaldehyde	6.39	77	124696	25.619	ng	96
10) Phenol	6.49	94	265690	32.477	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	181198	28.446	ng	98
12) 1,3-Dichlorobenzene	6.79	146	196728	28.340	ng	99
13) 1,4-Dichlorobenzene	6.86	146	200919	29.073	ng	99
14) 1,2-Dichlorobenzene	7.02	146	190046	29.674	ng	98
15) Benzyl Alcohol	6.99	79	180250	30.057	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	179005	23.952	ng	92
17) 2-Methylphenol	7.10	107	165397	30.762	ng	98
18) Hexachloroethane	7.36	117	66430	24.741	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	142155	29.223	ng	92
20) 3+4-Methylphenols	7.25	107	212670	34.019	ng	# 79
22) Acetophenone	7.25	105	284269	31.672	ng	96
24) Nitrobenzene	7.43	77	216223	32.555	ng	94
25) Isophorone	7.66	82	395801	29.911	ng	99
26) 2-Nitrophenol	7.75	139	86019	34.836	ng	92
27) 2,4-Dimethylphenol	7.78	122	175608	35.214	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	238166	29.452	ng	98
29) 2,4-Dichlorophenol	7.99	162	163804	34.179	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	159155	30.618	ng	99
31) Naphthalene	8.15	128	562457	31.729	ng	99
32) Benzoic acid	7.88	122	62333	22.137	ng	97
33) 4-Chloroaniline	8.19	127	120018	14.873	ng	98
34) Hexachlorobutadiene	8.27	225	87876	31.004	ng	99
35) Caprolactam	8.56	113	34567	19.273	ng	87
36) 4-Chloro-3-methylphenol	8.68	107	190477	34.580	ng	99
37) 2-Methylnaphthalene	8.84	142	383620	32.524	ng	98
38) 1-Methylnaphthalene	8.94	142	360106	32.342	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	150113	32.143	ng	99

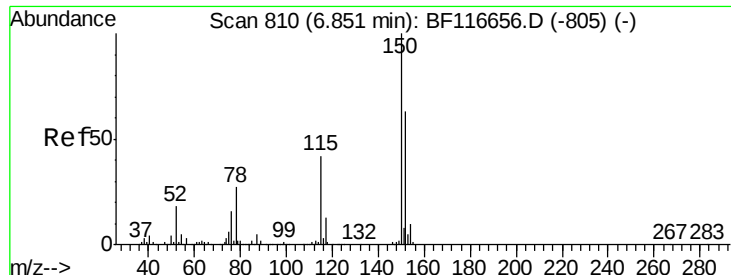
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	58195	21.579	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	106610	33.301	ng	98
44) 2,4,5-Trichlorophenol	9.16	196	113290	34.087	ng	99
46) 1,1'-Biphenyl	9.30	154	464034	31.390	ng	98
47) 2-Chloronaphthalene	9.33	162	364501	31.131	ng	98
48) 2-Nitroaniline	9.42	65	117267	34.643	ng	97
49) Acenaphthylene	9.75	152	576235	32.557	ng	99
50) Dimethylphthalate	9.60	163	485468	36.094	ng	98
51) 2,6-Dinitrotoluene	9.66	165	87615	34.142	ng	90
52) Acenaphthene	9.92	154	338427	31.120	ng	98
53) 3-Nitroaniline	9.83	138	86247	26.818	ng	89
54) 2,4-Dinitrophenol	9.94	184	12094	20.821	ng	93
55) Dibenzofuran	10.09	168	512341	33.419	ng	96
56) 4-Nitrophenol	10.00	139	155664	70.592	ng	91
57) 2,4-Dinitrotoluene	10.07	165	114773	36.577	ng	96
58) Fluorene	10.43	166	411086	35.192	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.21	232	86262	35.962	ng	98
60) Diethylphthalate	10.30	149	437043	32.438	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	173697	33.957	ng	97
62) 4-Nitroaniline	10.45	138	106088	33.992	ng	94
63) Azobenzene	10.58	77	442286	31.483	ng	94
65) 4,6-Dinitro-2-methylphenol	10.47	198	12305	16.296	ng	# 70
66) n-Nitrosodiphenylamine	10.54	169	358762	32.498	ng	97
67) 4-Bromophenyl-phenylether	10.91	248	101620	31.347	ng	98
68) Hexachlorobenzene	10.99	284	106713	31.462	ng	92
69) Atrazine	11.06	200	97990	31.693	ng	99
70) Pentachlorophenol	11.17	266	108485	66.119	ng	99
71) Phenanthrene	11.39	178	599848	33.767	ng	99
72) Anthracene	11.45	178	600660	33.590	ng	99
73) Carbazole	11.59	167	566854	33.278	ng	98
74) Di-n-butylphthalate	11.92	149	725788	33.237	ng	100
75) Fluoranthene	12.58	202	605868	34.705	ng	100
77) Benzidine	12.69	184	464044	52.861	ng	99
78) Pyrene	12.80	202	607197	30.519	ng	99
80) Butylbenzylphthalate	13.42	149	296434	30.638	ng	98
81) Benzo(a)anthracene	13.99	228	475166	33.544	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	164412	34.345	ng	95
83) Chrysene	14.03	228	467448	32.031	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	414496	34.705	ng	97
85) Di-n-octyl phthalate	14.59	149	669157	34.237	ng	96
86) Indeno(1,2,3-cd)pyrene	16.92	276	340468	29.045	ng	97
88) Benzo(b)fluoranthene	15.03	252	449892	34.036	ng	98
89) Benzo(k)fluoranthene	15.06	252	361983	30.035	ng	99
90) Benzo(a)pyrene	15.40	252	376085	32.703	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	281832	27.999	ng	98
92) Benzo(g,h,i)perylene	17.36	276	262813	25.600	ng	96

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

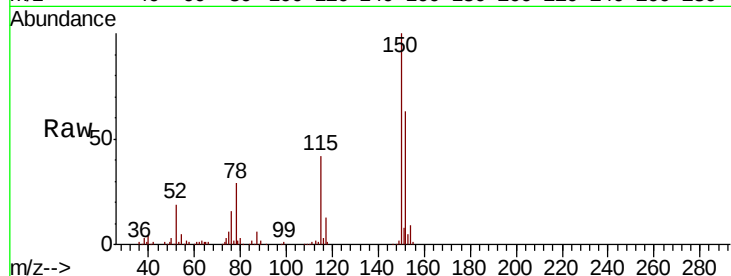


#1

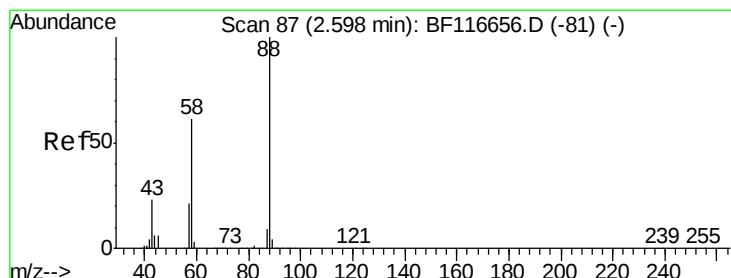
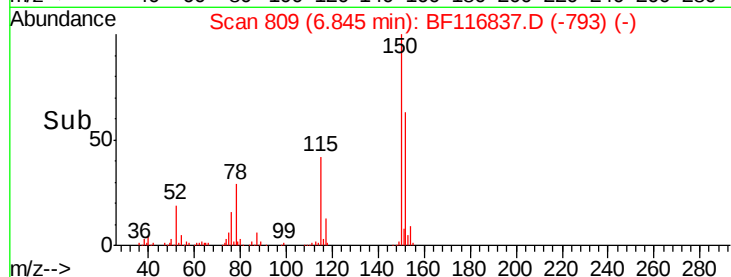
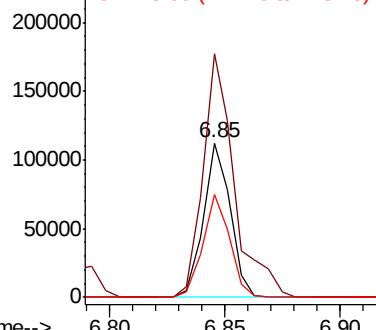
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91149
Ion Ratio Lower Upper
152 100
150 157.6 124.4 186.6
115 66.6 49.9 74.9



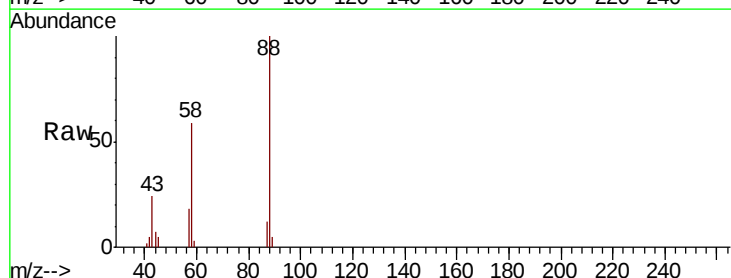
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



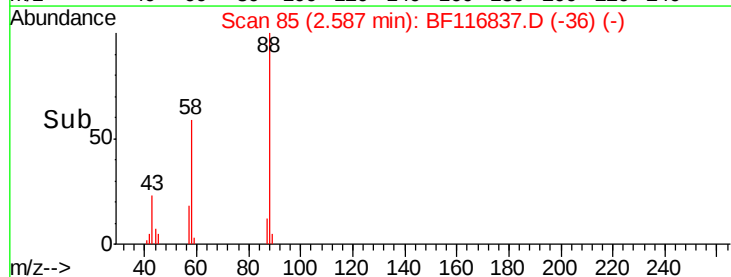
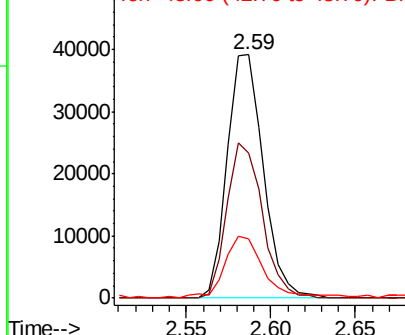
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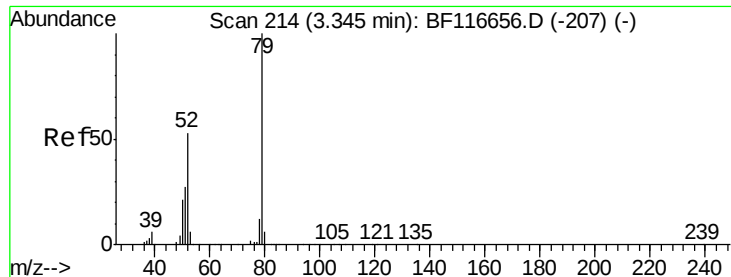
1,4-Dioxane
Concen: 22.485 ng
RT: 2.59 min Scan# 85
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion: 88 Resp: 58400
Ion Ratio Lower Upper
88 100
58 62.3 51.7 77.5
43 28.7 19.8 29.8



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

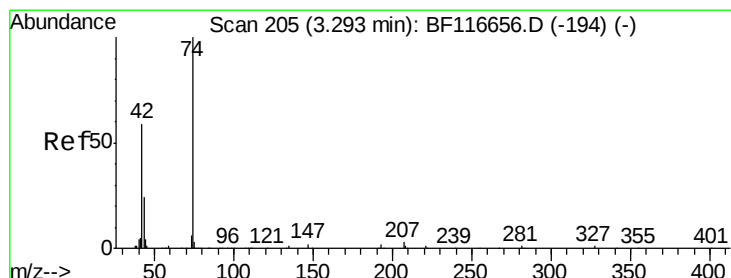
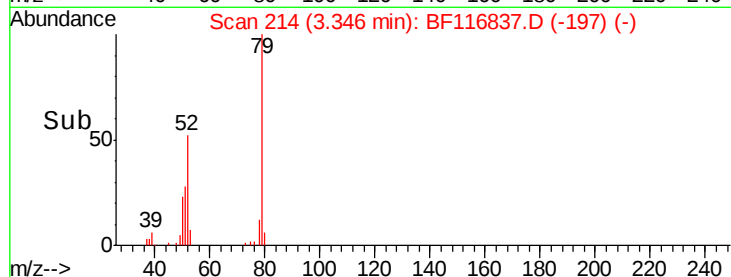
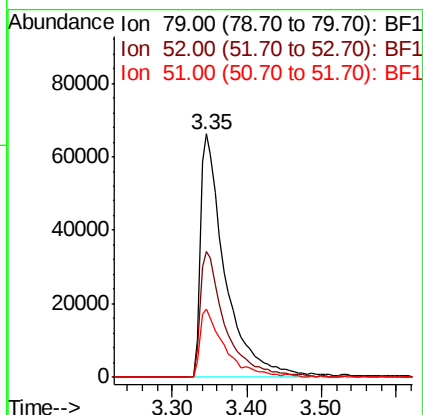
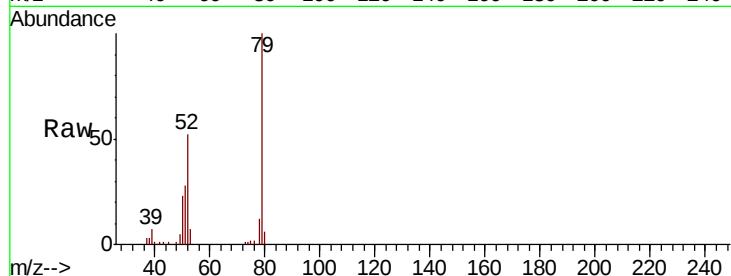




#3
 Pvridine
 Concen: 20.420 ng
 RT: 3.35 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

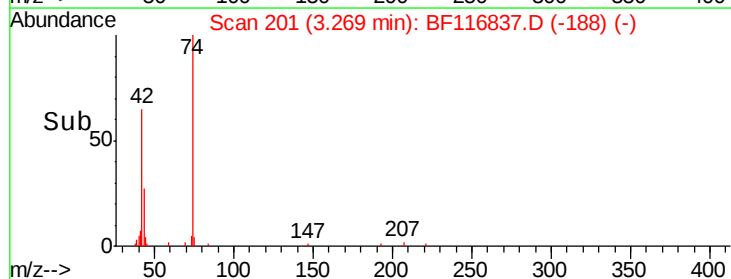
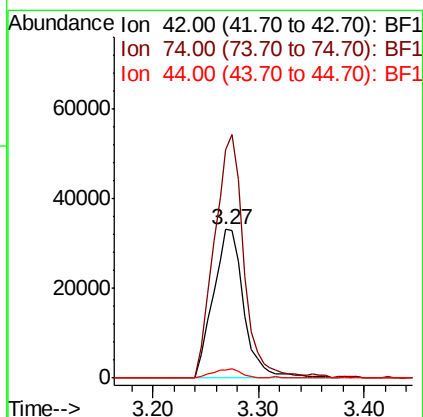
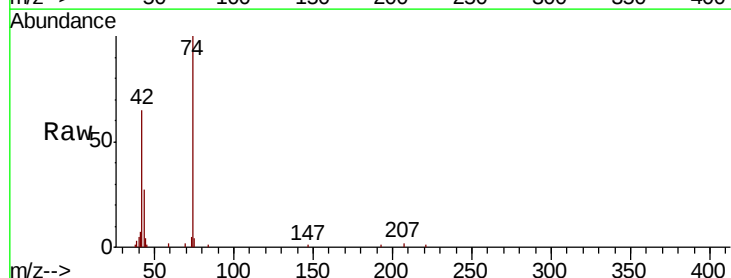
Instrument :
 BNA_F
 ClientSampleId :

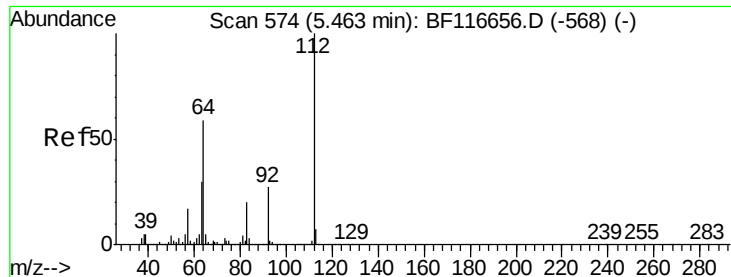
Tot Ion: 79 Resp: 153555
 Ion Ratio Lower Upper
 79 100
 52 51.5 47.4 71.0
 51 28.1 24.1 36.1



#4
 n-Nitrosodimethylamine
 Concen: 25.959 ng
 RT: 3.27 min Scan# 201
 Delta R.T. -0.02 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion: 42 Resp: 67033
 Ion Ratio Lower Upper
 42 100
 74 153.7 115.6 173.4
 44 5.4 4.6 7.0





#5

2-Fluorophenol

Concen: 74.945 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116837.D

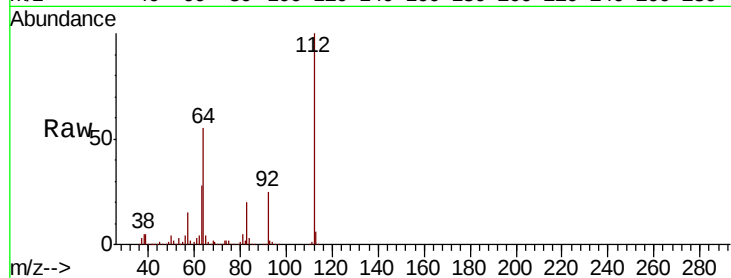
Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampled :

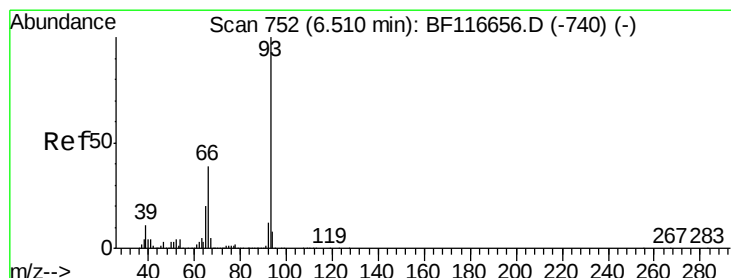
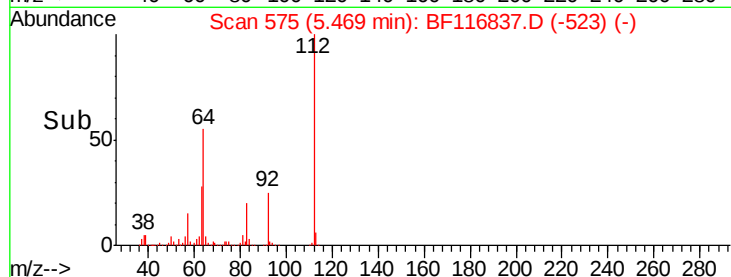
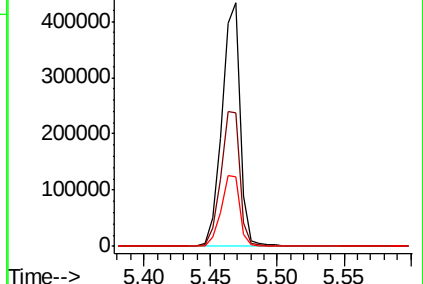
Tot Ion:	112	Resp:	421660
Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.1	70.7
63	28.3	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): BF116656.D (-568) (-)

Ion 64.00 (63.70 to 64.70): BF116656.D (-568) (-)

Ion 63.00 (62.70 to 63.70): BF116656.D (-568) (-)



#6

Aniline

Concen: 22.367 ng

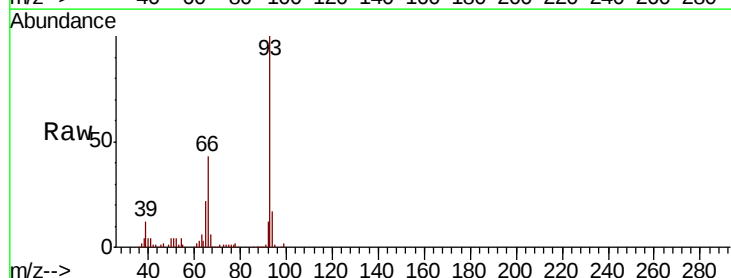
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

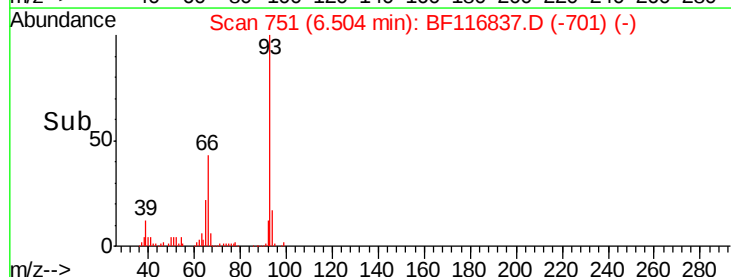
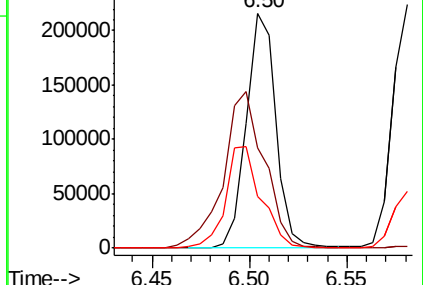
Tgt Ion:	93	Resp:	228870
Ion	Ratio	Lower	Upper
93	100		
66	42.8	32.7	49.1
65	21.8	16.3	24.5

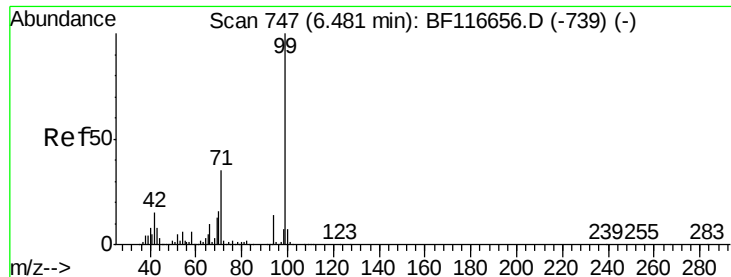


Abundance Ion 93.00 (92.70 to 93.70): BF116656.D (-740) (-)

Ion 66.00 (65.70 to 66.70): BF116656.D (-740) (-)

Ion 65.00 (64.70 to 65.70): BF116656.D (-740) (-)





#7

Phenol-d6

Concen: 79.480 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

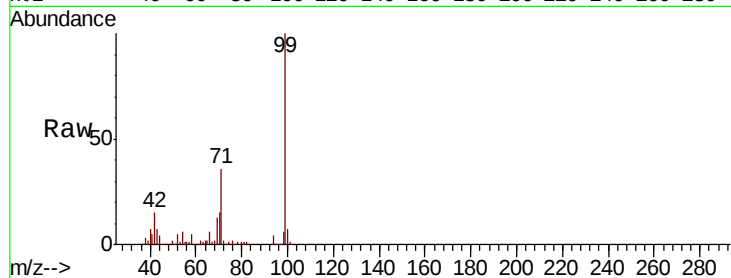
Tot Ion: 99 Resp: 587196

Ion Ratio Lower Upper

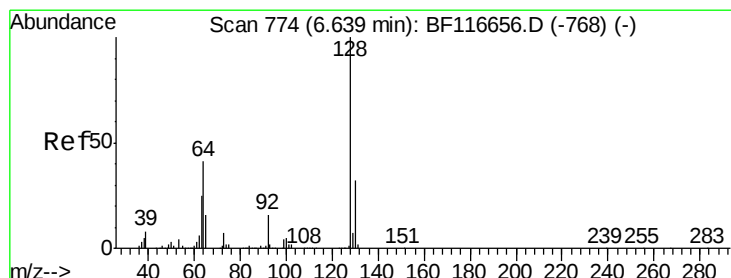
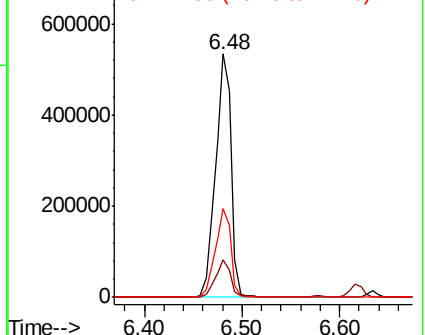
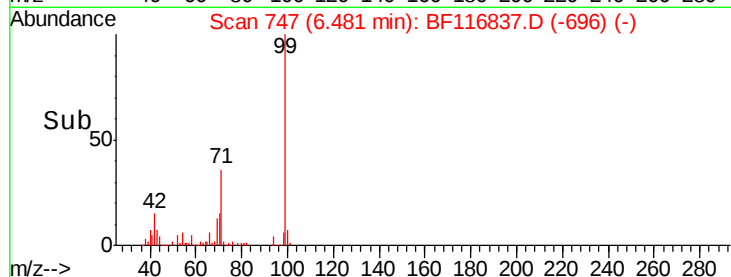
99 100

42 15.4 13.7 20.5

71 36.2 30.8 46.2



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



#8

2-Chlorophenol

Concen: 31.526 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

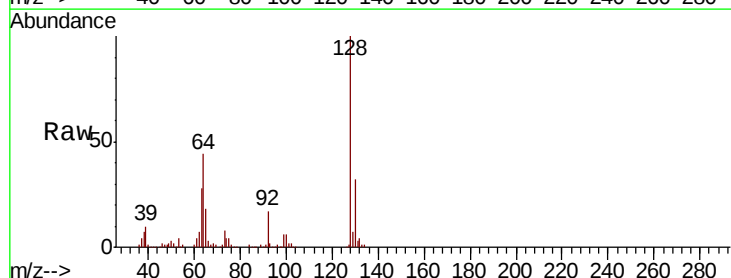
Tgt Ion: 128 Resp: 193631

Ion Ratio Lower Upper

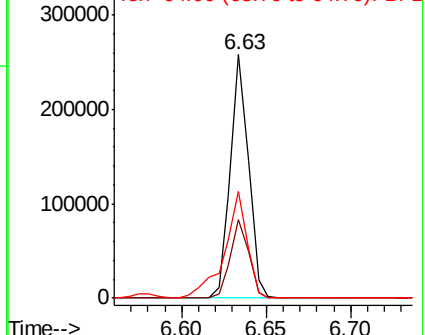
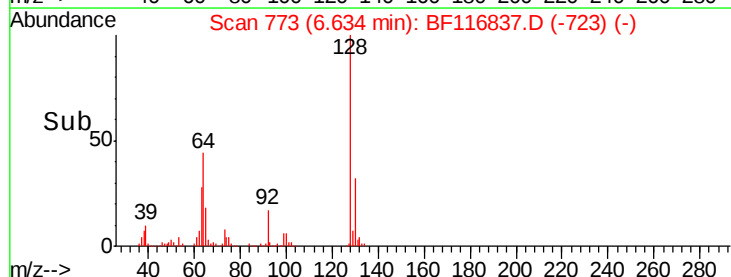
128 100

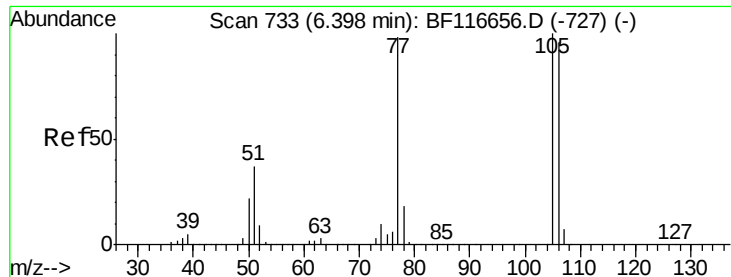
130 32.4 12.3 52.3

64 43.9 22.5 62.5



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





#9

Benzaldehyde

Concen: 25.619 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

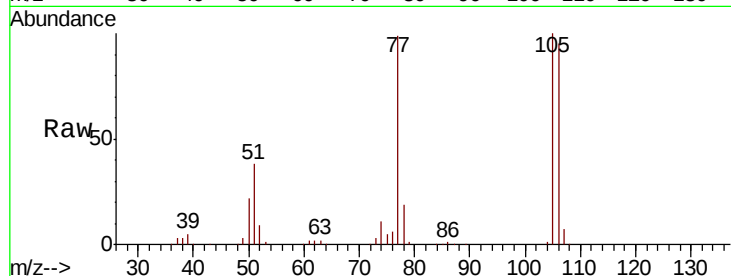
Tot Ion: 77 Resp: 124696

Ion Ratio Lower Upper

77 100

105 101.1 76.7 116.7

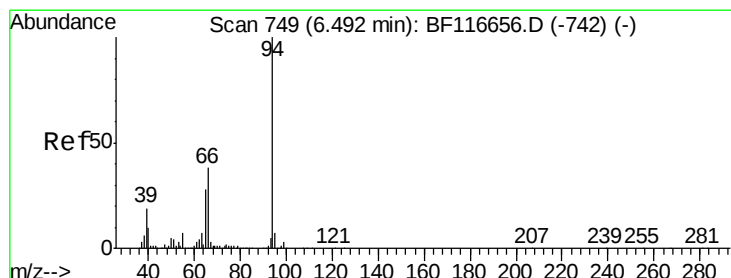
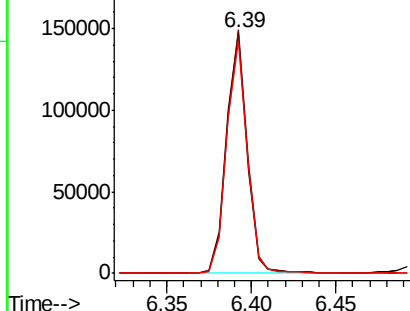
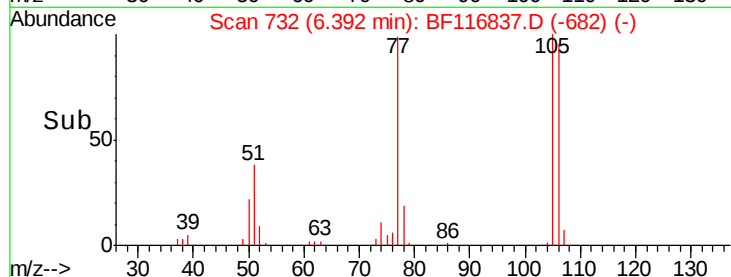
106 96.2 73.1 113.1



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: 32.477 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

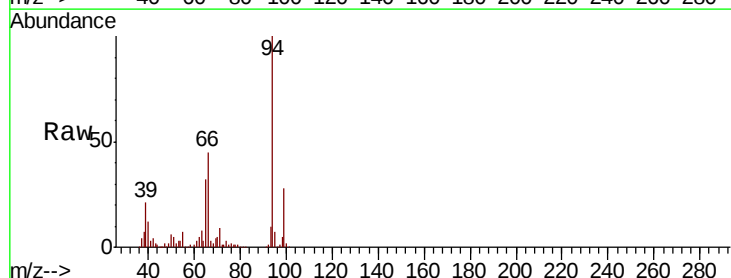
Tgt Ion: 94 Resp: 265690

Ion Ratio Lower Upper

94 100

65 31.8 10.8 50.8

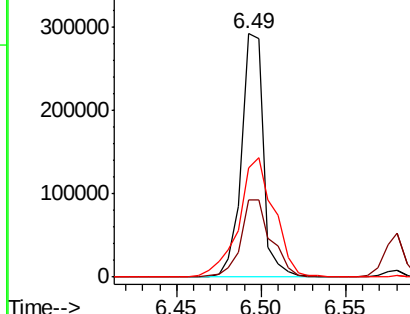
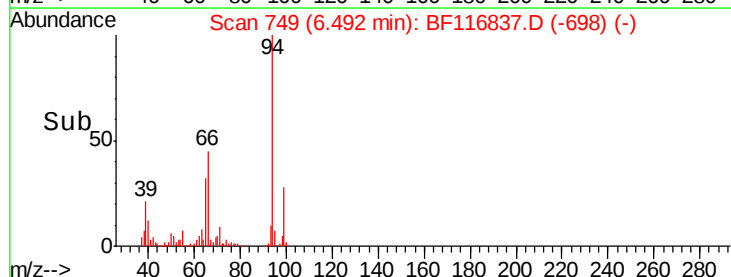
66 44.9 21.1 61.1

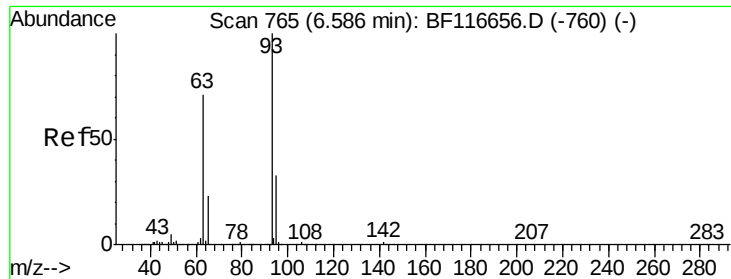


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

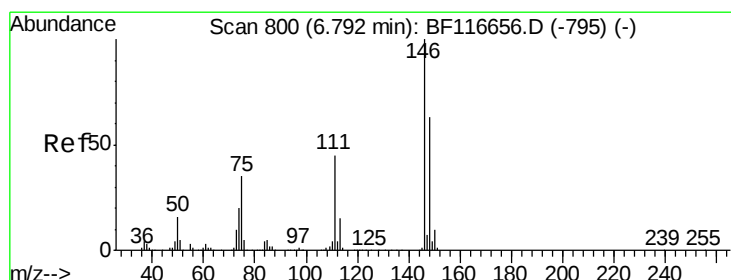
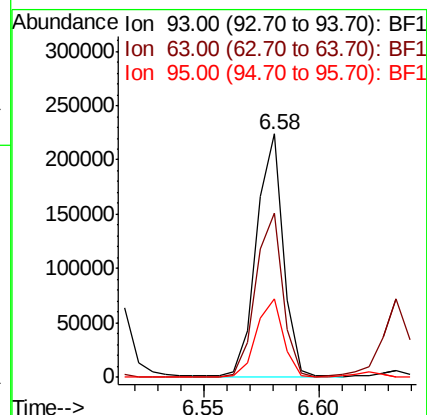
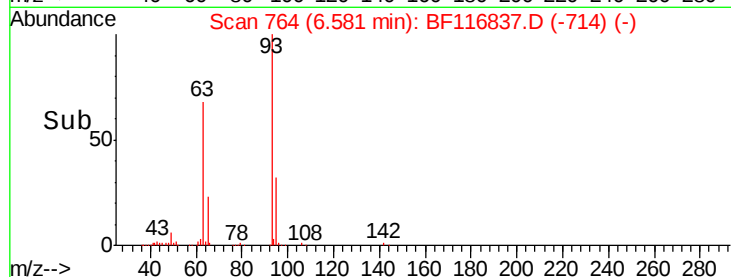
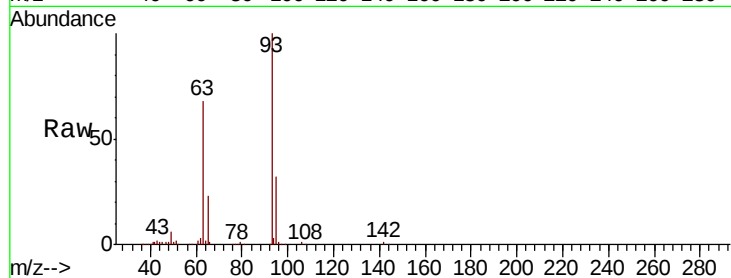




#11
bis(2-Chloroethyl)ether
Concen: 28.446 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

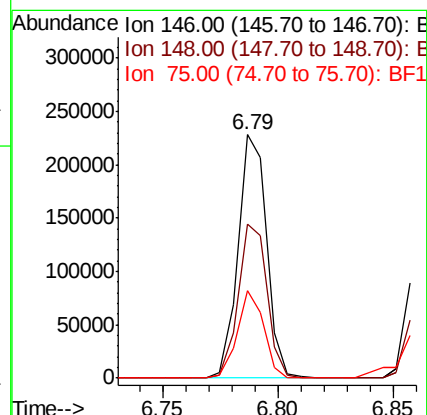
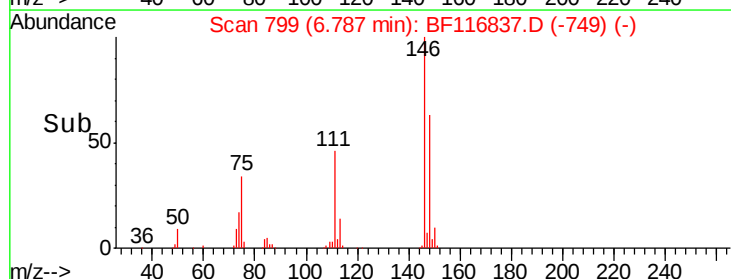
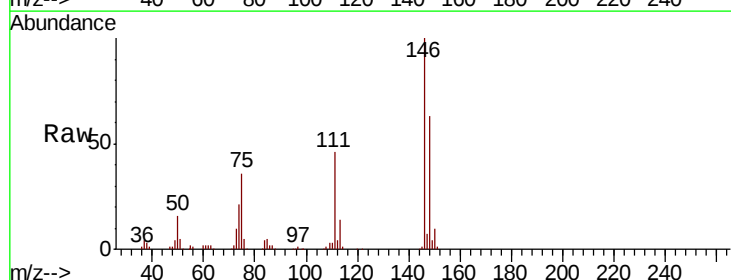
Instrument :
BNA_F
ClientSampleId :

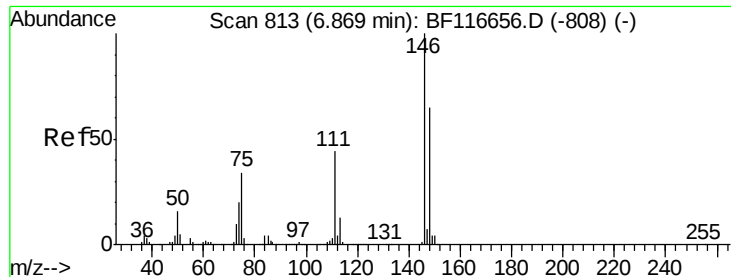
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.6	49.9	89.9
95	32.2	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 28.340 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
75	36.2	29.6	44.4





#13

1,4-Dichlorobenzene

Concen: 29.073 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

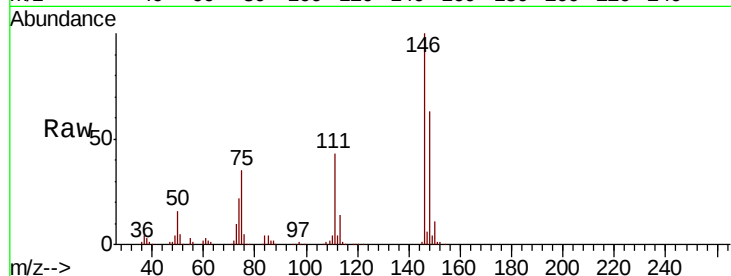
Tot Ion:146 Resp: 200919

Ion Ratio Lower Upper

146 100

148 63.5 51.4 77.2

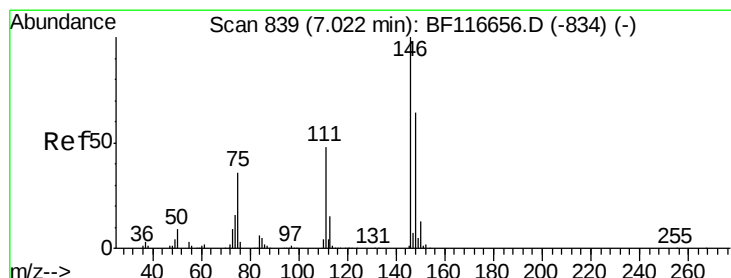
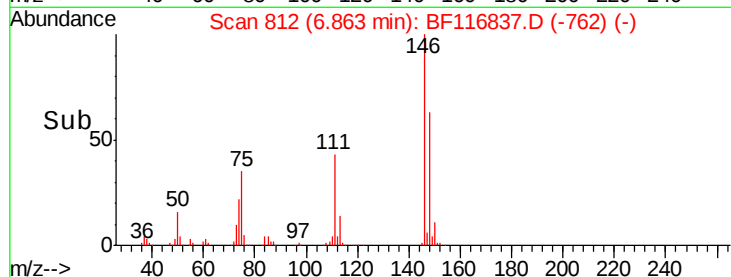
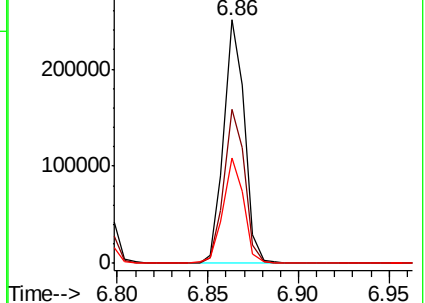
111 43.4 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 29.674 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

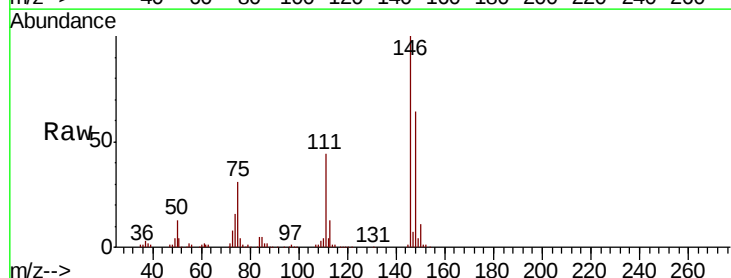
Tgt Ion:146 Resp: 190046

Ion Ratio Lower Upper

146 100

148 64.1 52.6 78.8

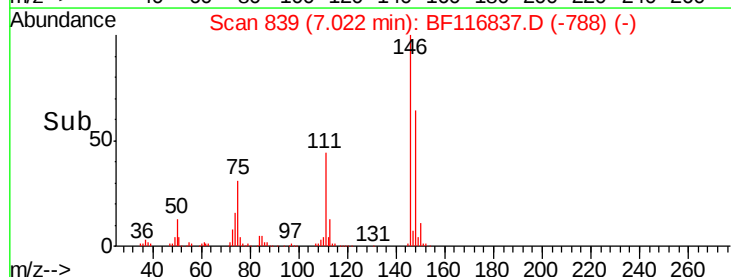
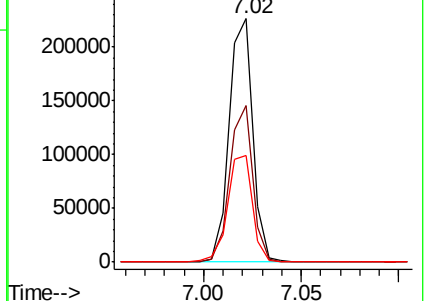
111 43.9 34.2 51.4

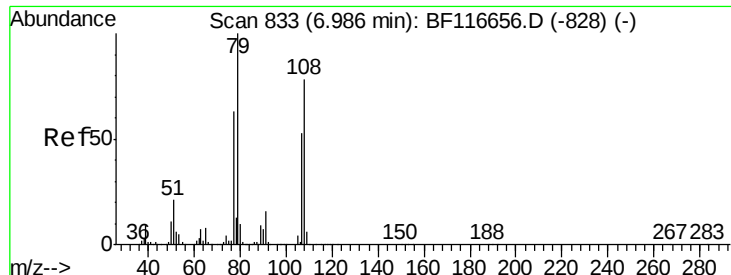


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 30.057 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

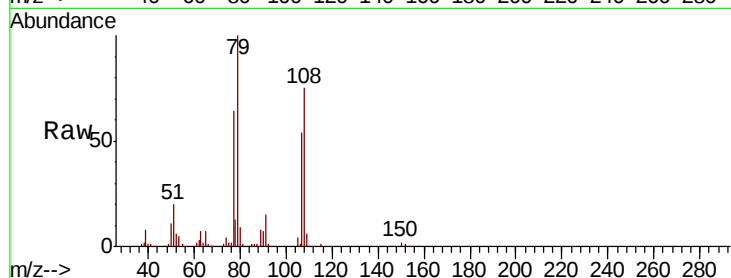
Tot Ion: 79 Resp: 180250

Ion Ratio Lower Upper

79 100

108 75.3 59.2 88.8

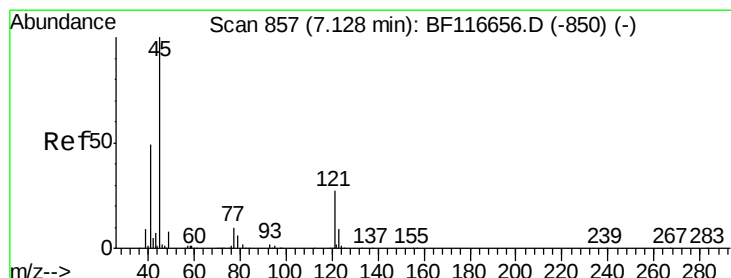
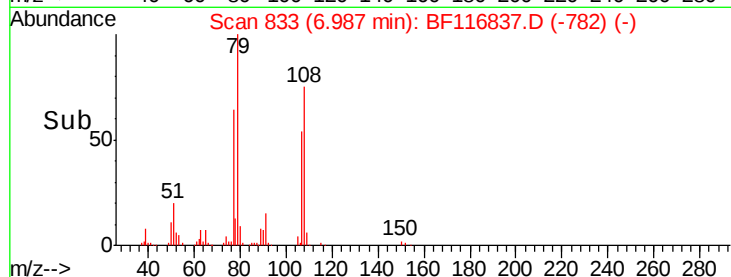
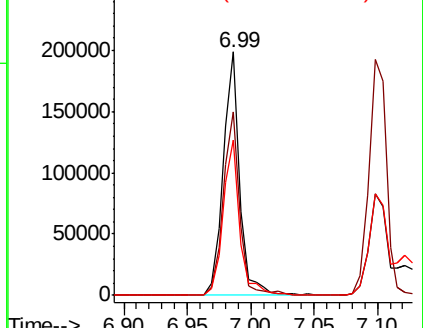
77 63.6 53.0 79.4



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: 23.952 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

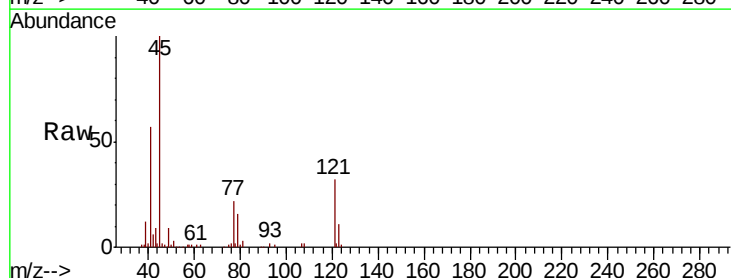
Tgt Ion: 45 Resp: 179005

Ion Ratio Lower Upper

45 100

77 22.2 0.0 38.2

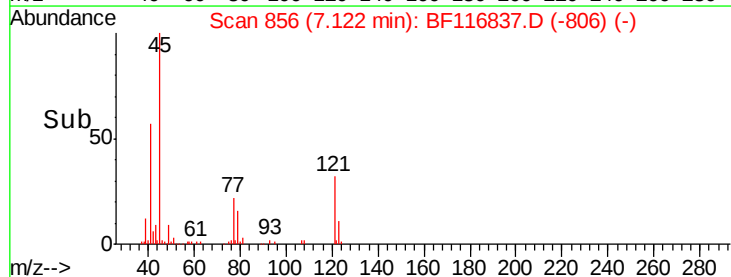
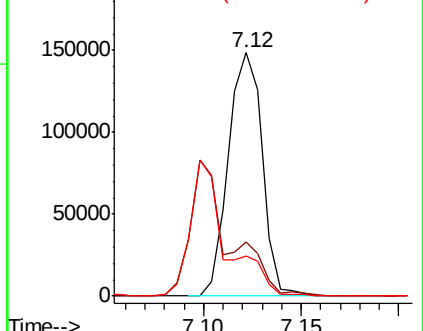
79 16.3 0.0 33.9

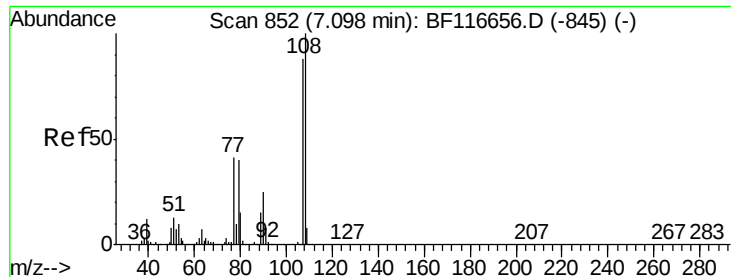


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 30.762 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF116837.D

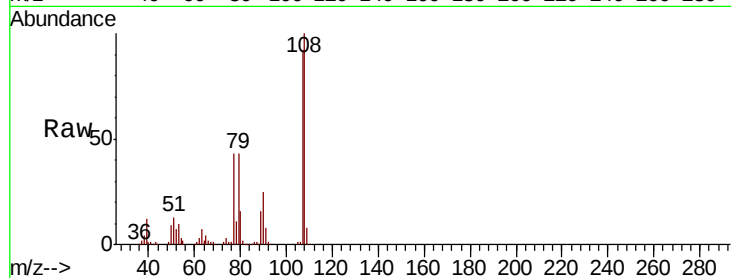
Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	165397
Ion	Ratio	Lower	Upper
107	100		
108	109.3	88.3	132.5
77	47.4	39.9	59.9
79	47.2	39.8	59.8

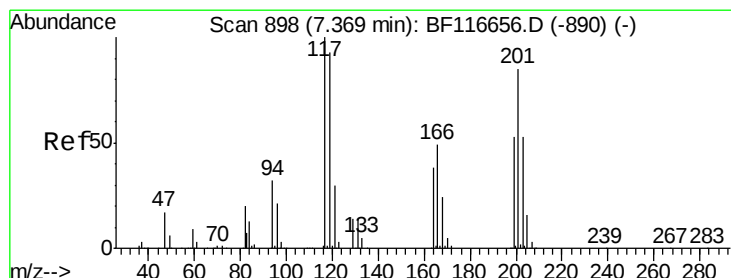
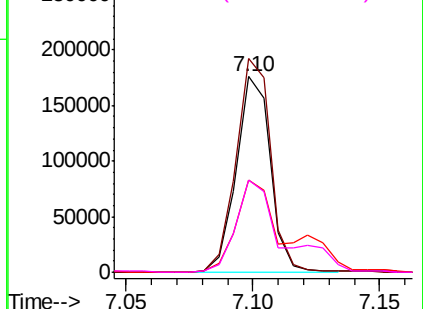
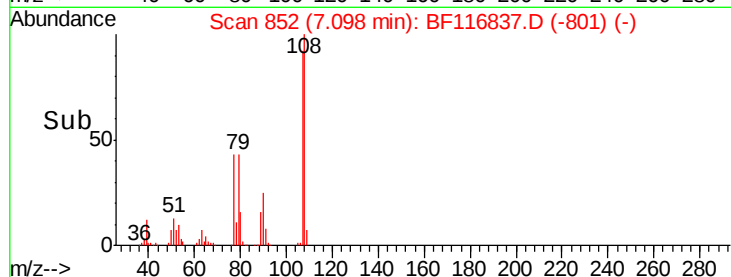


Abundance Ion 107.00 (106.70 to 107.70): E

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: 24.741 ng

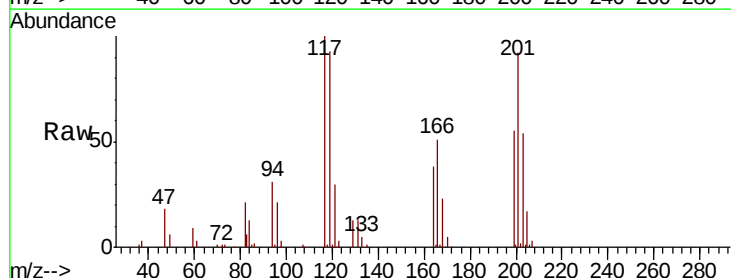
RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

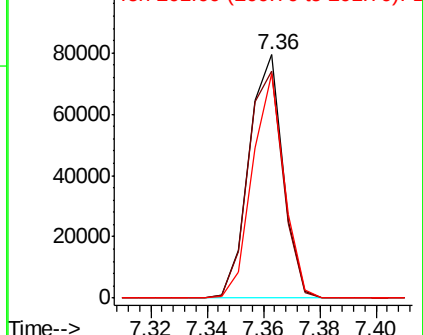
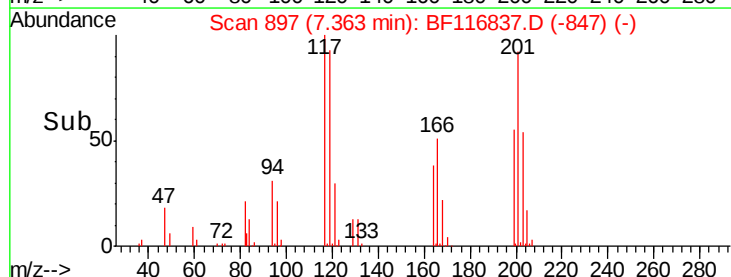
Tgt Ion:	117	Resp:	66430
Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.9	115.3
201	92.0	79.4	119.0

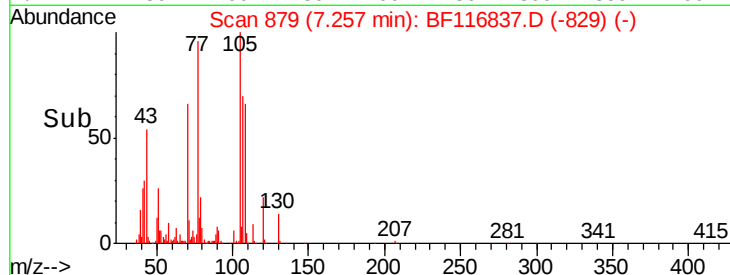
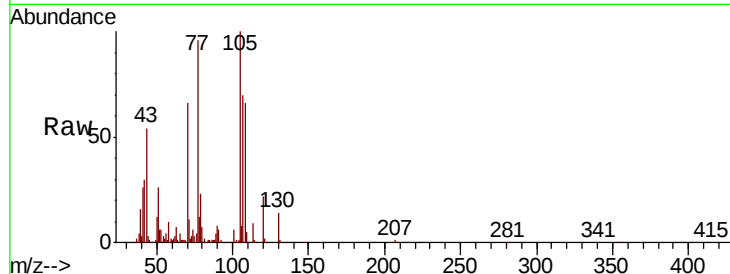
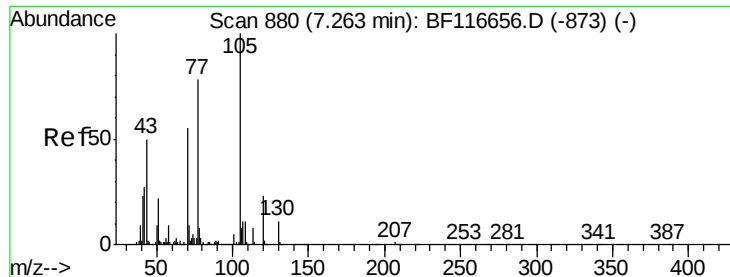


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

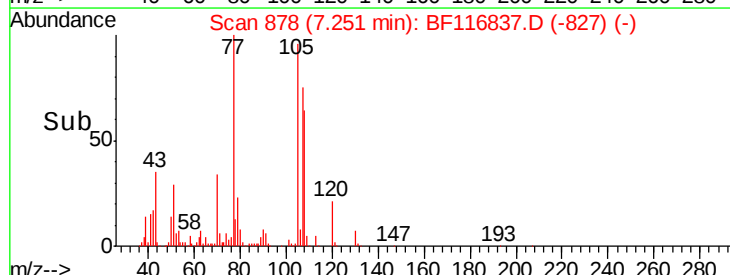
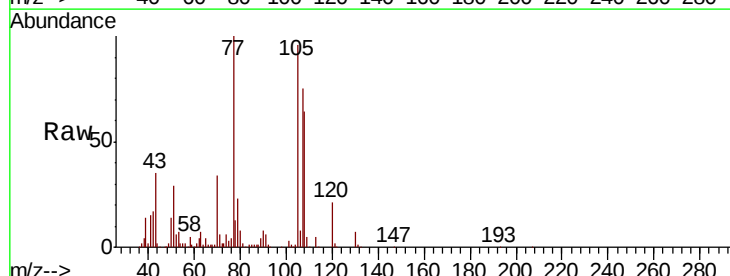
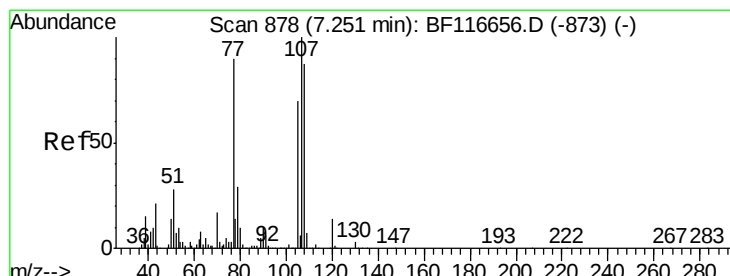
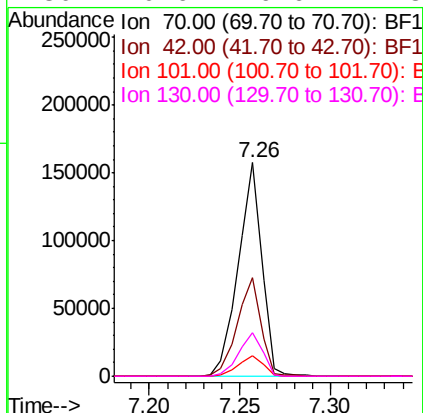




#19
n-Nitroso-di-n-propylamine
Concen: 29.223 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

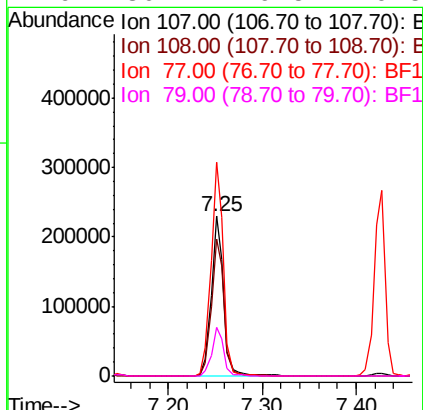
Instrument :
BNA_F
ClientSampled :

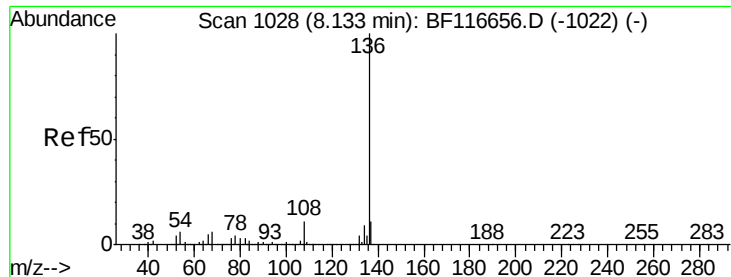
Tot Ion:	70	Resp:	142155
Ion	Ratio	Lower	Upper
70	100		
42	45.9	43.5	65.3
101	9.5	7.8	11.6
130	20.6	16.6	24.8



#20
3+4-Methylphenols
Concen: 34.019 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:	107	Resp:	212670
Ion	Ratio	Lower	Upper
107	100		
108	86.2	65.5	105.5
77	133.9	69.4	109.4#
79	30.7	9.5	49.5

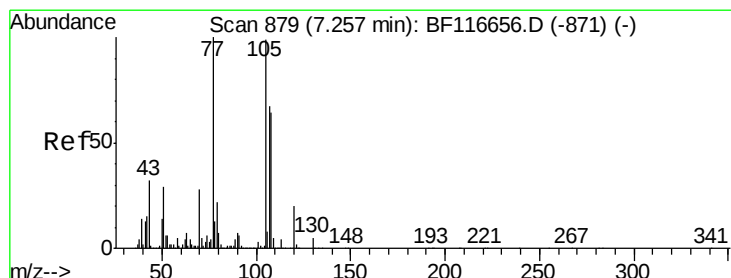
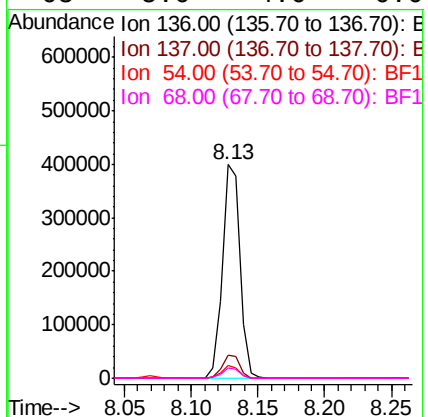
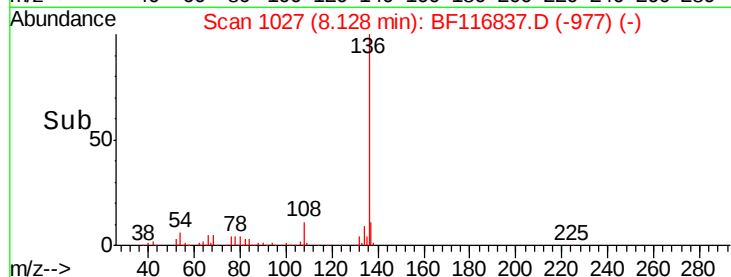
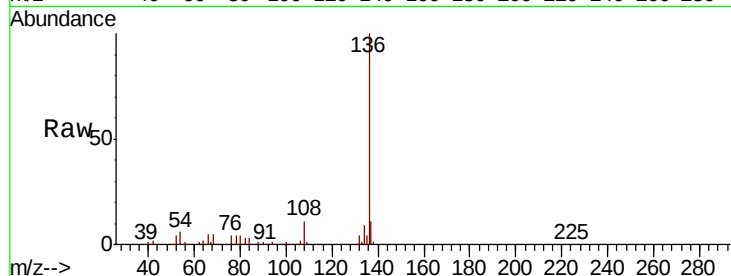




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

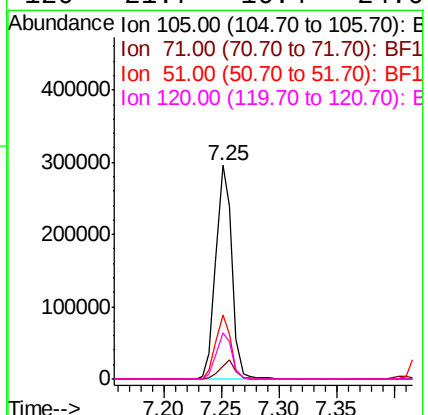
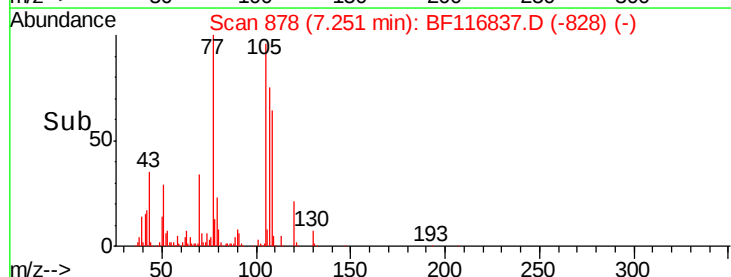
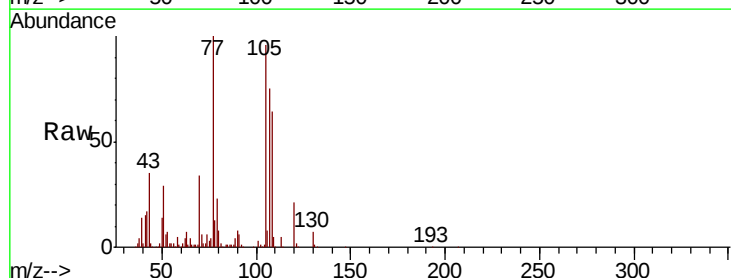
Instrument :
BNA_F
ClientSampleId :

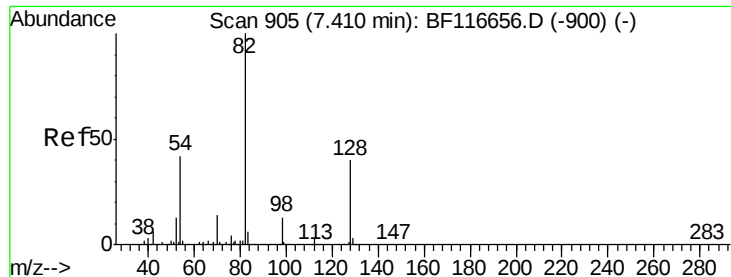
Tot Ion:136	Resp:	372803	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.9	13.3	
54 5.8	4.8	7.2	
68 5.0	4.0	6.0	



#22
Acetophenone
Concen: 31.672 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt	Ion:105	Resp:	284269
Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.2	6.4
51	29.8	25.8	38.8
120	21.7	16.4	24.6

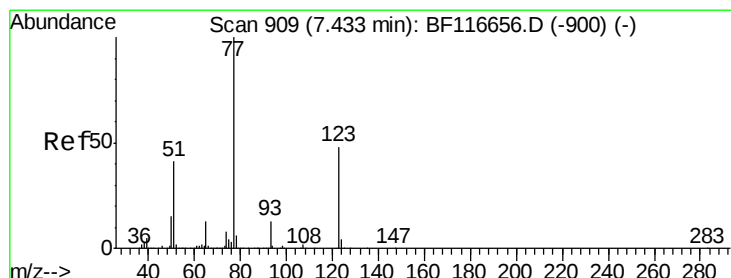
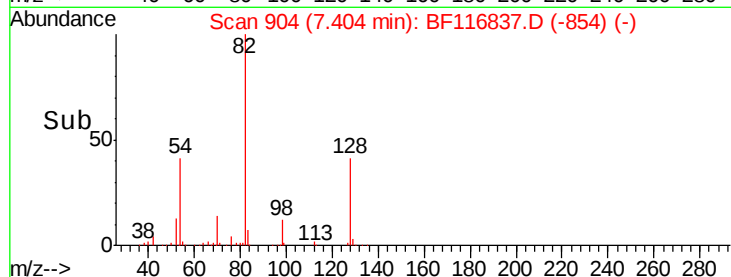
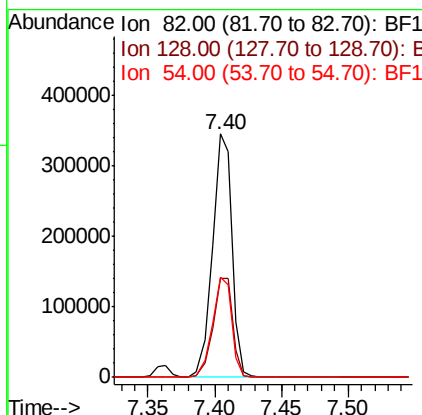
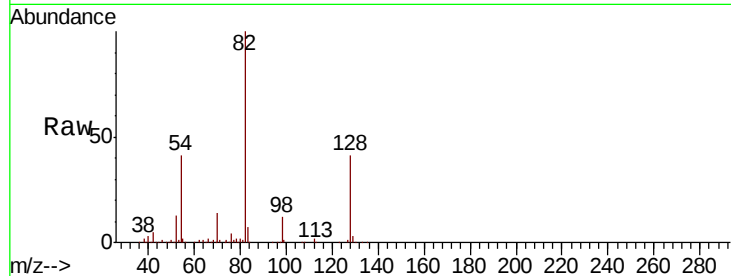




#23
 Nitrobenzene-d5
 Concen: 54.430 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

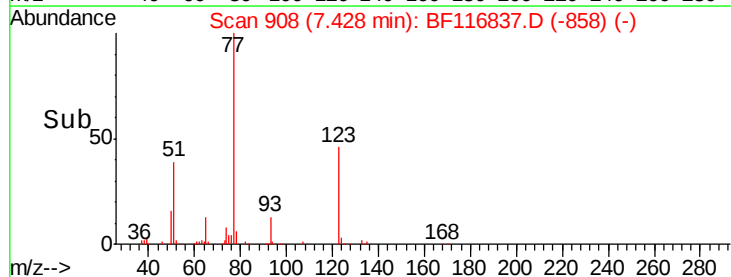
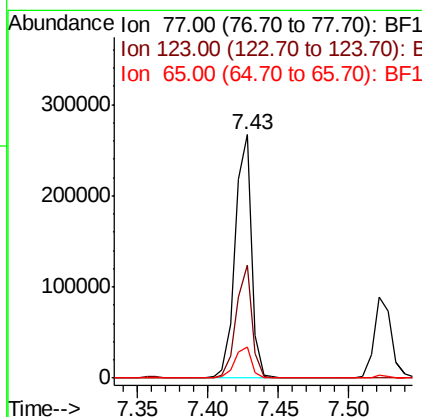
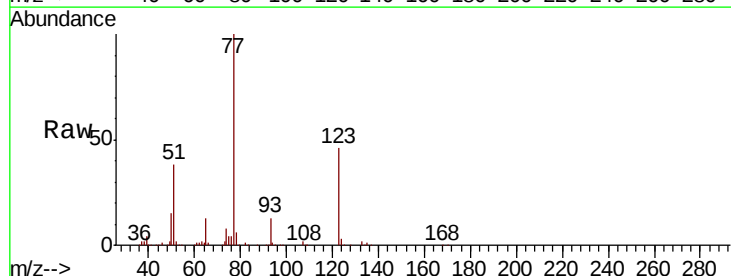
Instrument :
 BNA_F
 ClientSampleId :

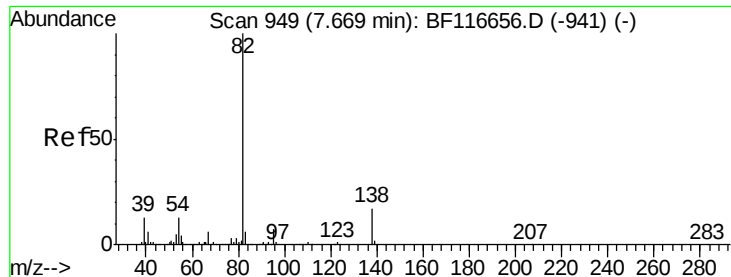
Tot Ion	82	Resp	355447
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.8	49.2
54	41.3	36.9	55.3



#24
 Nitrobenzene
 Concen: 32.555 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion	77	Resp	216223
Ion Ratio	Lower	Upper	
77	100		
123	46.2	33.1	49.7
65	12.6	10.6	15.8





#25

Isophorone

Concen: 29.911 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

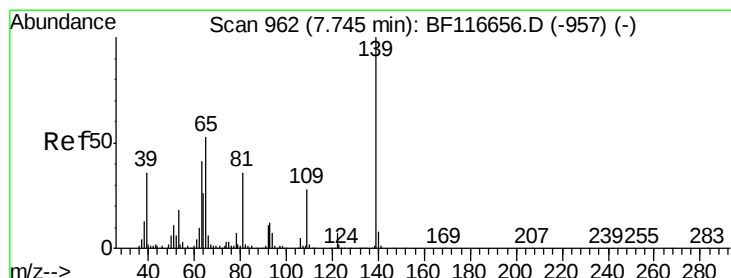
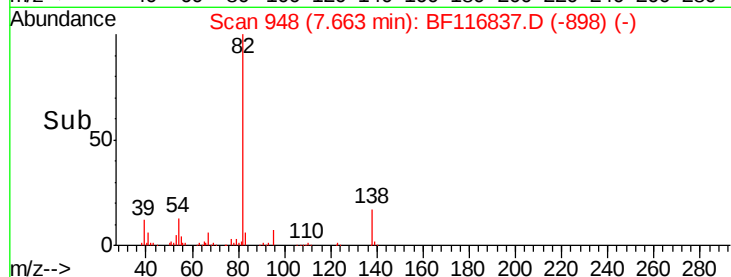
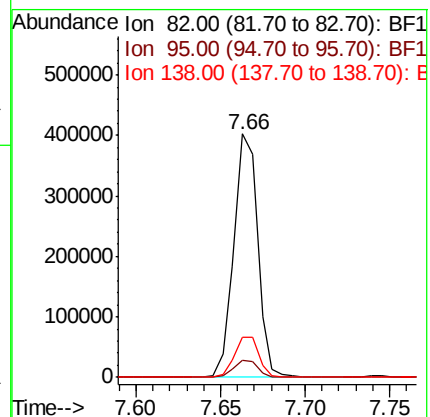
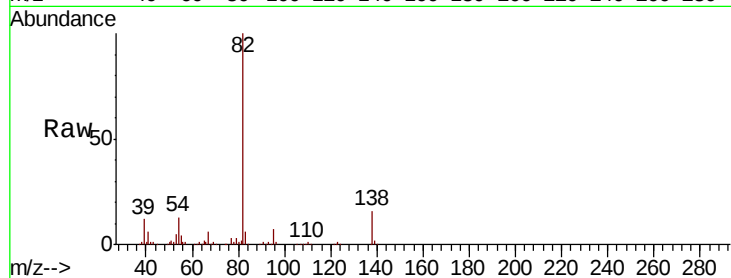
Tot Ion: 82 Resp: 395801

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.6

138 16.4 13.5 20.3



#26

2-Nitrophenol

Concen: 34.836 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

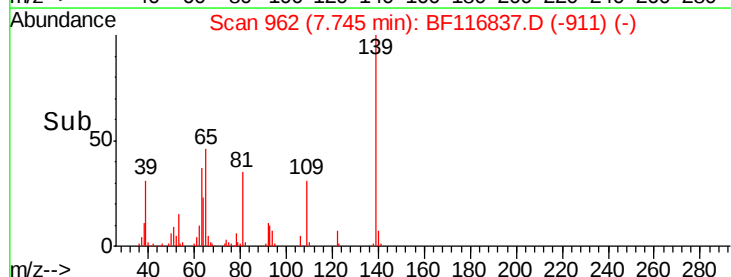
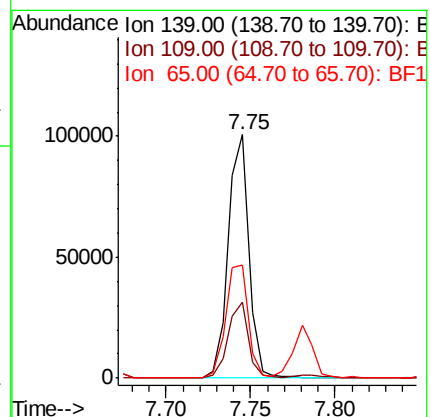
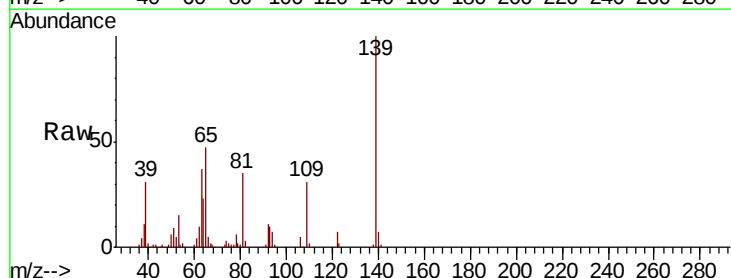
Tgt Ion: 139 Resp: 86019

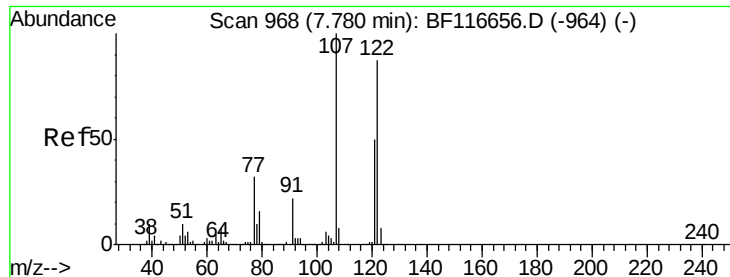
Ion Ratio Lower Upper

139 100

109 31.0 27.1 40.7

65 46.7 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 35.214 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

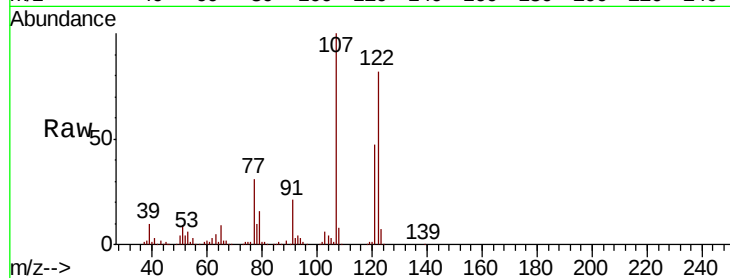
Tot Ion:122 Resp: 175608

Ion Ratio Lower Upper

122 100

107 122.1 98.1 147.1

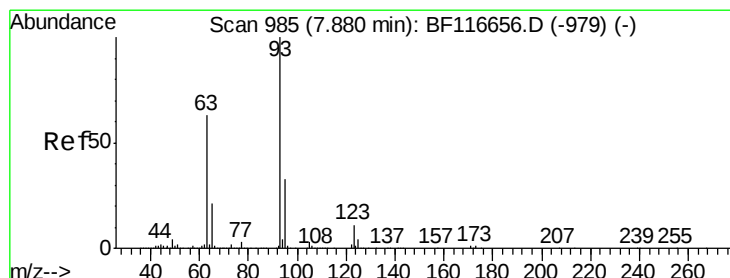
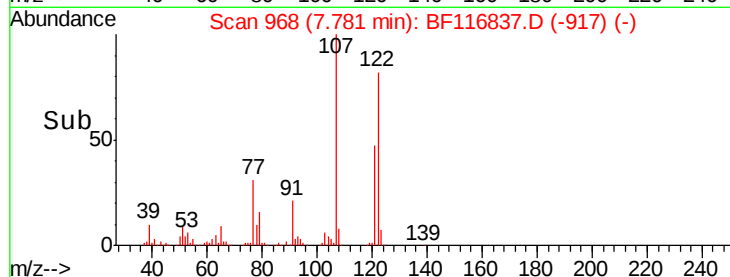
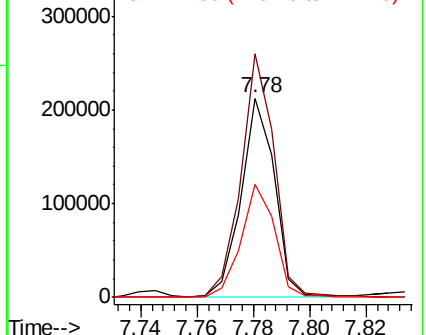
121 57.0 47.3 70.9



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: 29.452 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

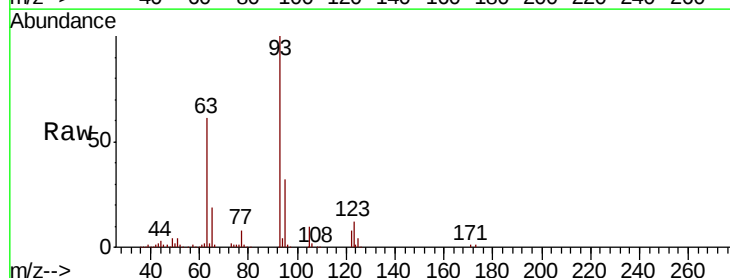
Tgt Ion: 93 Resp: 238166

Ion Ratio Lower Upper

93 100

95 32.0 26.4 39.6

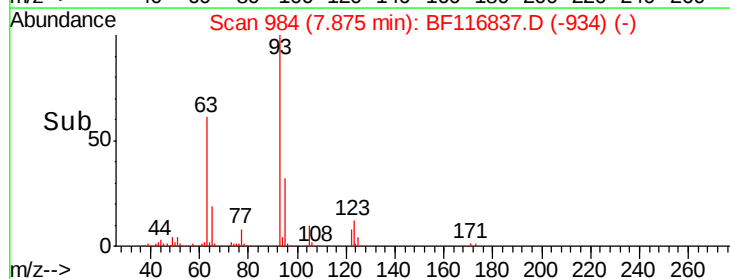
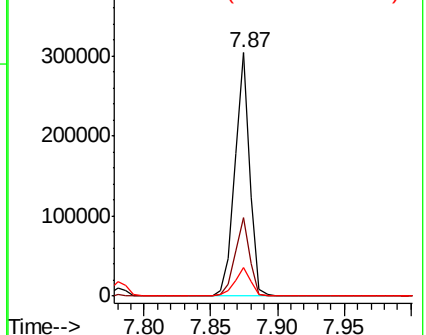
123 11.8 9.8 14.8

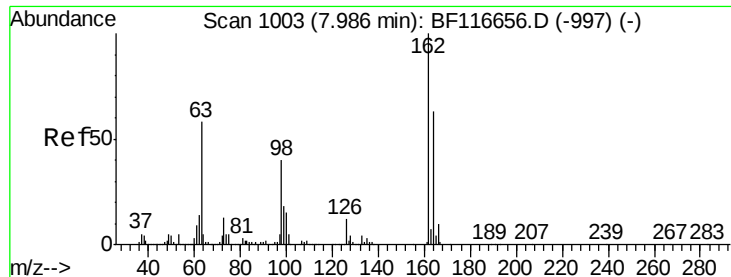


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

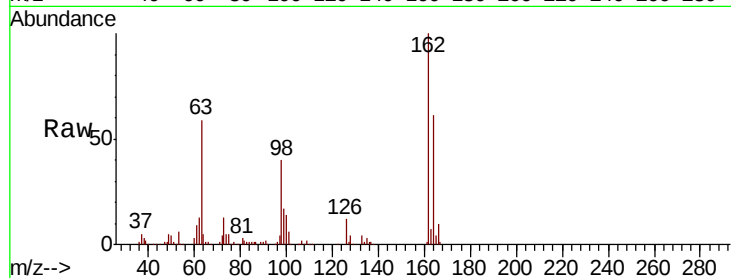




#29
 2,4-Dichlorophenol
 Concen: 34.179 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.5	43.4	83.4
98	39.7	18.1	58.1

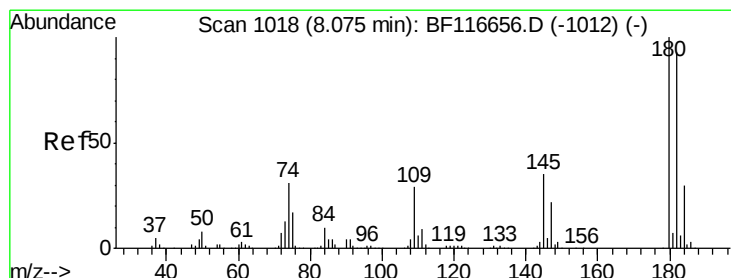
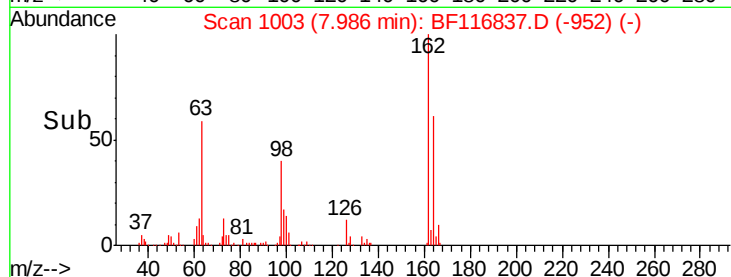
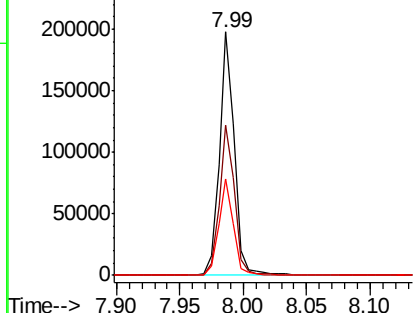


Abundance

Ion 162.00 (161.70 to 162.70): E

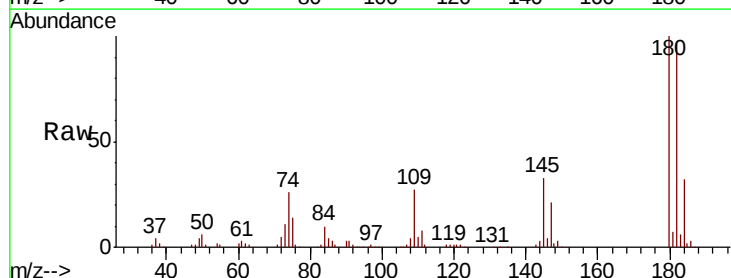
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 30.618 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.6	118.0
145	32.7	25.7	38.5

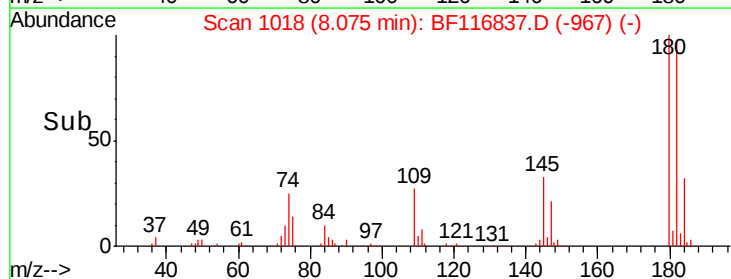
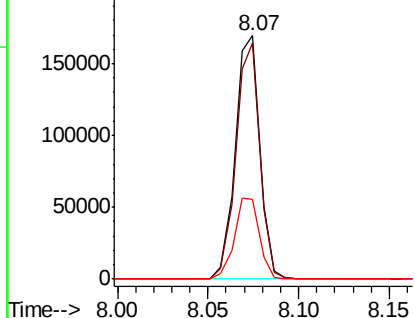


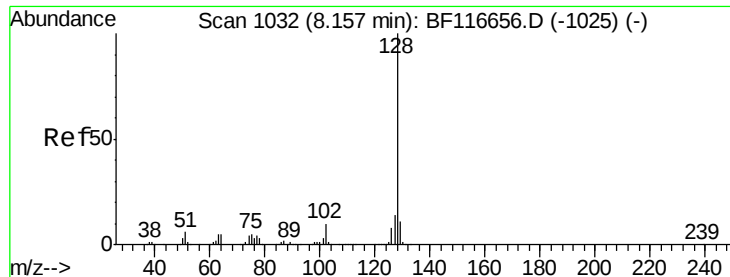
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

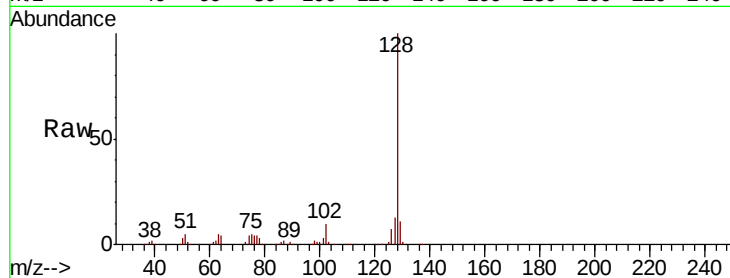




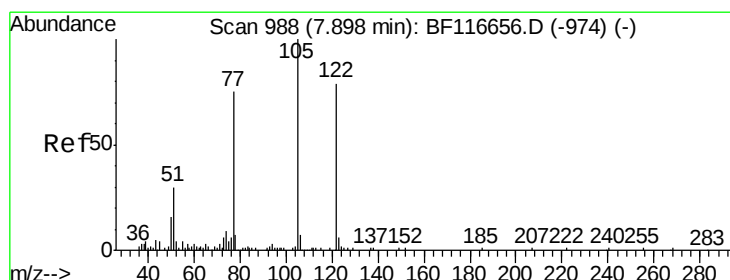
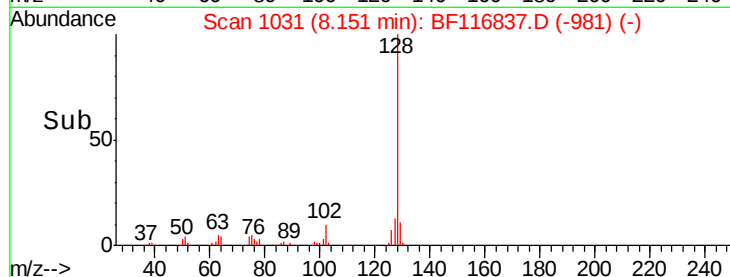
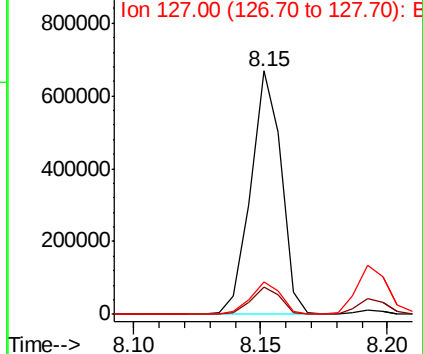
#31
Naphthalene
Concen: 31.729 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 562457
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.5 10.4 15.6

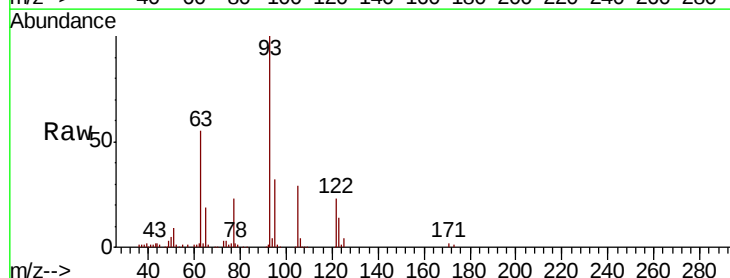


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

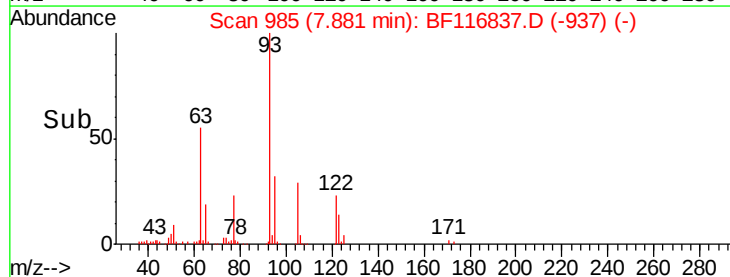
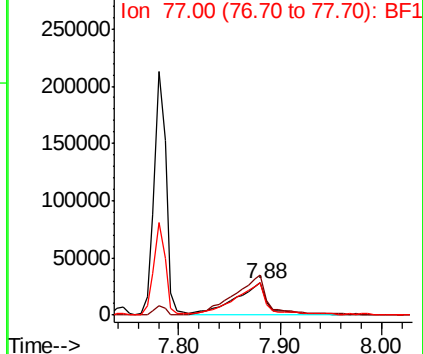


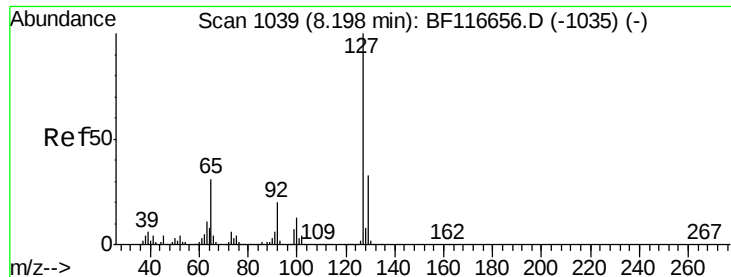
#32
Benzoic acid
Concen: 22.137 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:122 Resp: 62333
Ion Ratio Lower Upper
122 100
105 126.1 110.0 150.0
77 99.1 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

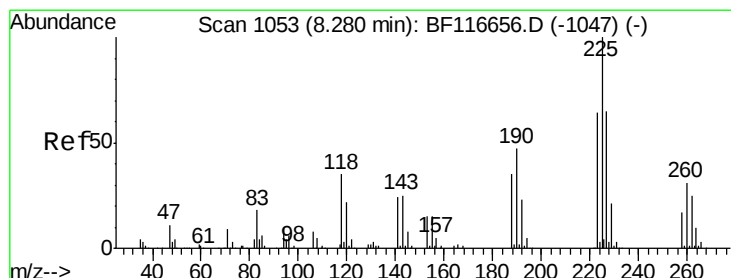
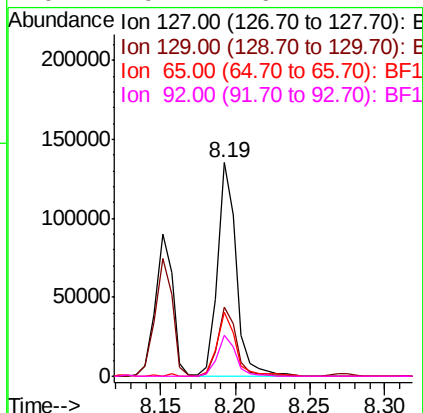
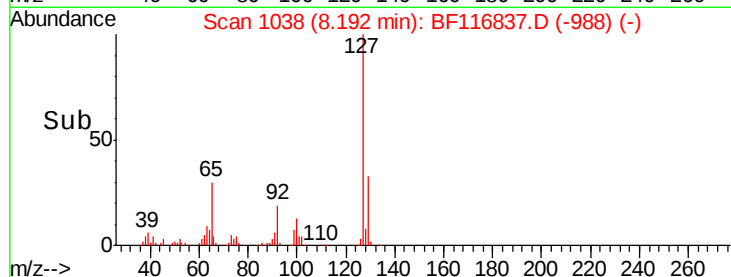
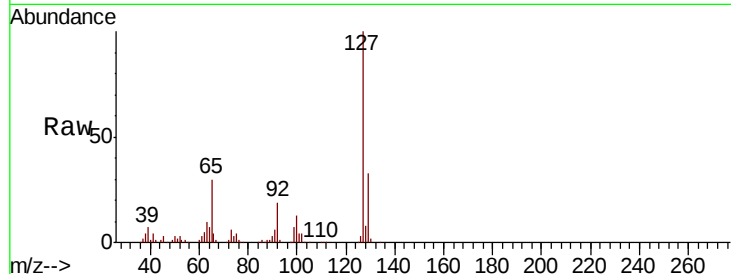




#33
4-Chloroaniline
Concen: 14.873 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

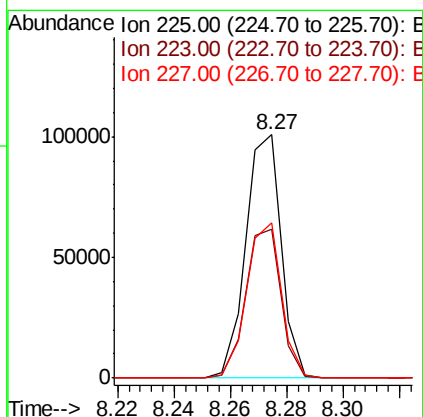
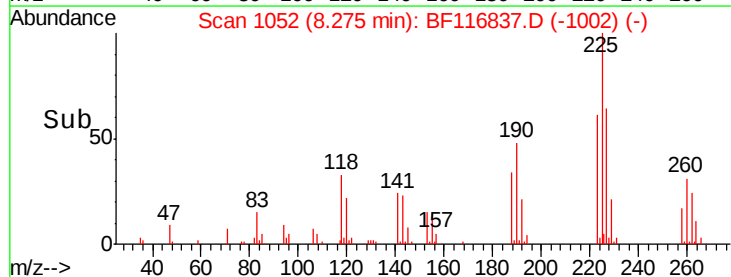
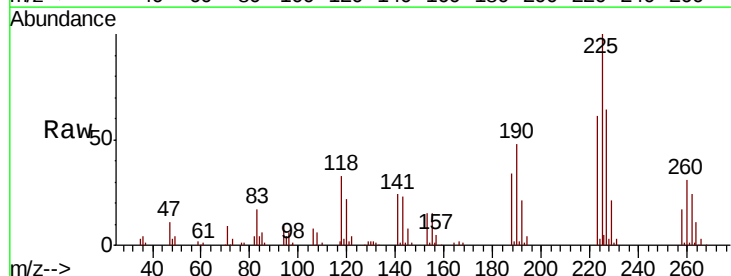
Instrument :
BNA_F
ClientSampleId :

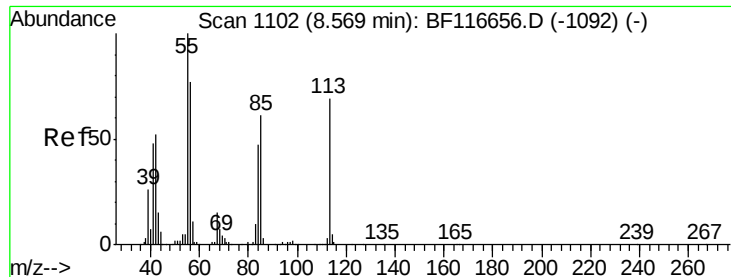
Tot Ion:	127	Resp:	120018
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.2	39.2
65	30.2	26.0	39.0
92	19.1	16.1	24.1



#34
Hexachlorobutadiene
Concen: 31.004 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:	225	Resp:	87876
Ion	Ratio	Lower	Upper
225	100		
223	60.9	49.4	74.2
227	63.9	51.0	76.4





#35

Caprolactam

Concen: 19.273 ng

RT: 8.56 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

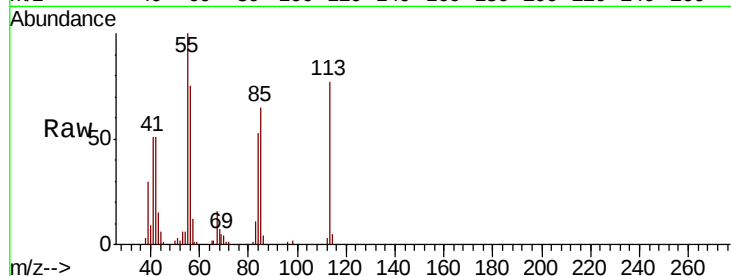
Tot Ion:113 Resp: 34567

Ion Ratio Lower Upper

113 100

55 130.2 124.3 164.3

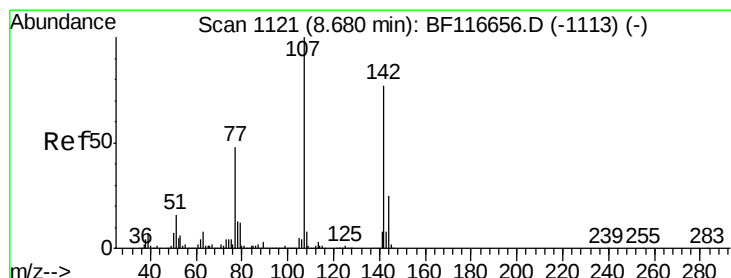
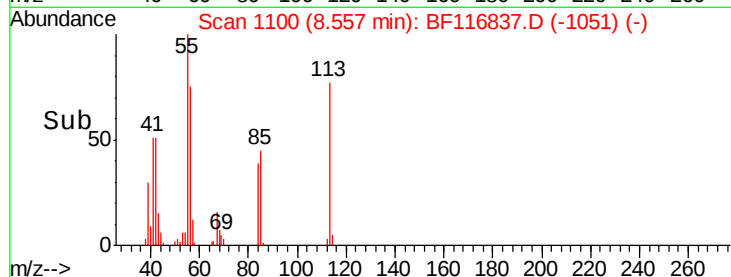
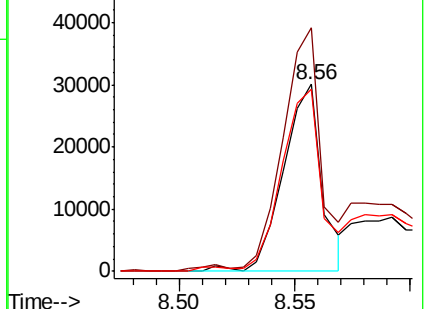
56 97.3 94.6 134.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 34.580 ng

RT: 8.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

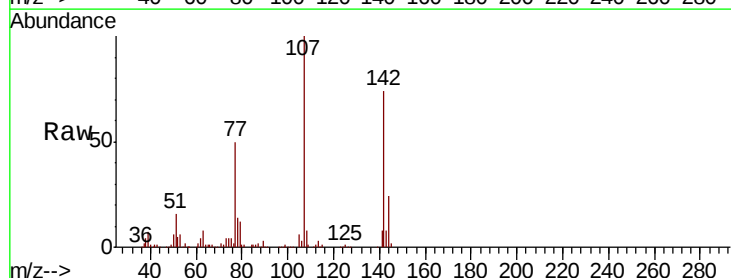
Tgt Ion:107 Resp: 190477

Ion Ratio Lower Upper

107 100

144 23.8 18.6 27.8

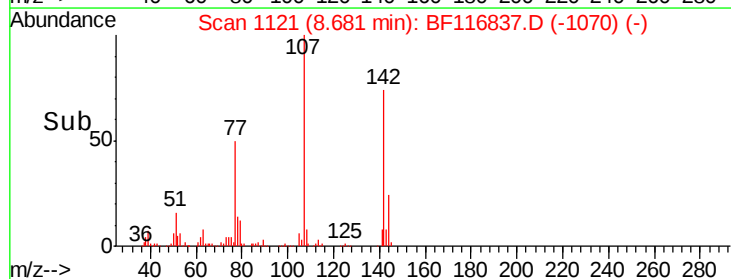
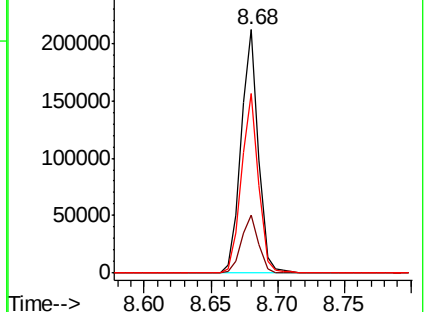
142 74.0 58.5 87.7

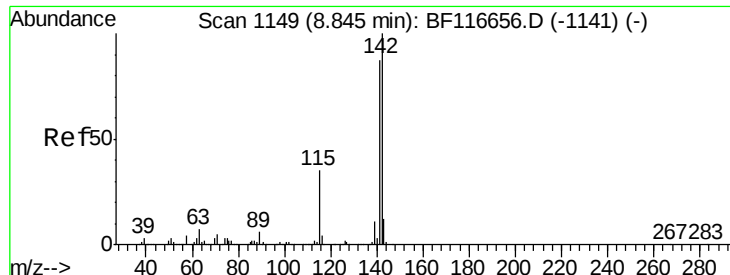


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

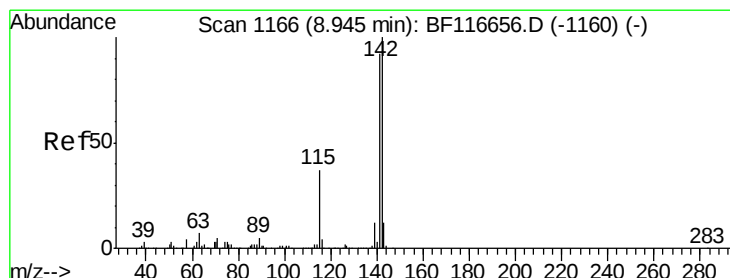
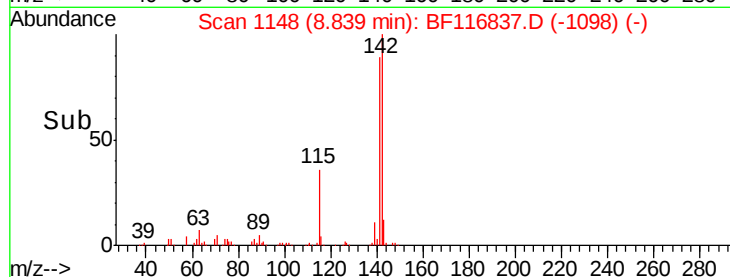
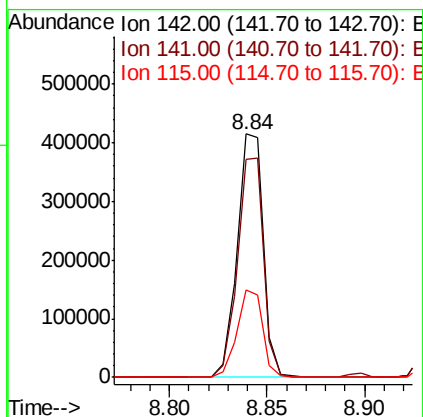
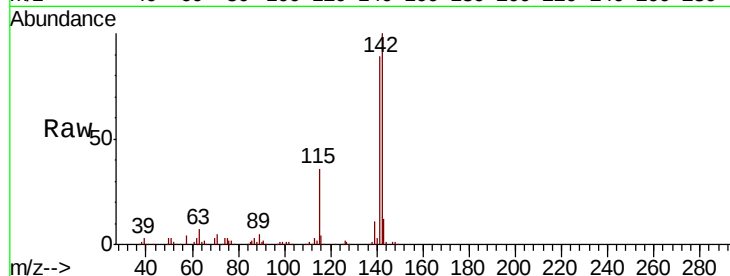




#37
2-Methylnaphthalene
Concen: 32.524 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

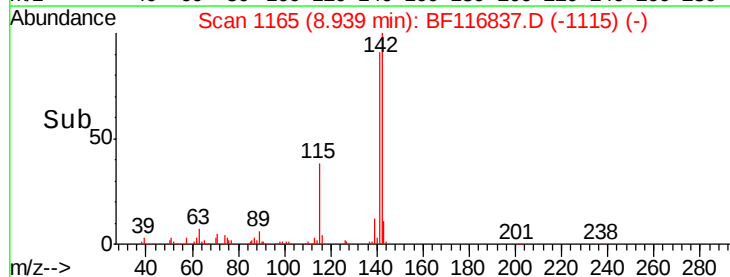
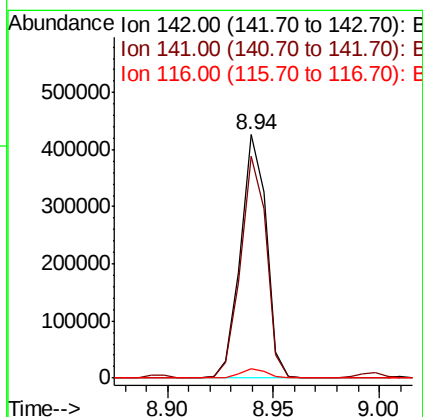
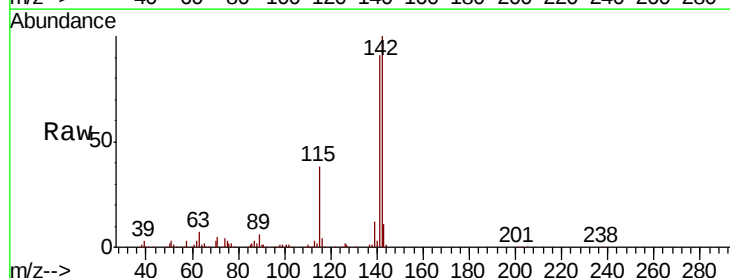
Instrument :
BNA_F
ClientSampleId :

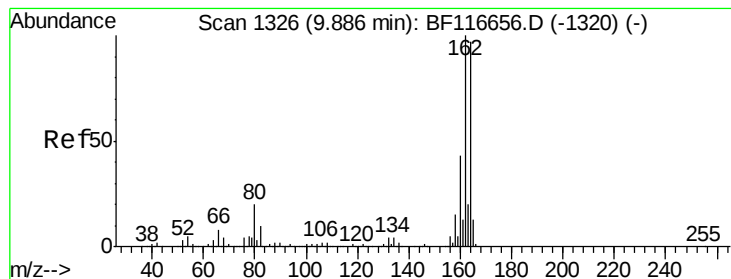
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.6	109.0
115	36.2	29.8	44.6



#38
1-Methylnaphthalene
Concen: 32.342 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.9	110.9
116	3.9	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampled :

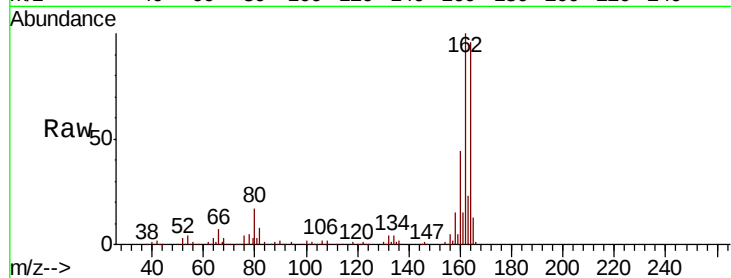
Tot Ion:164 Resp: 194818

Ion Ratio Lower Upper

164 100

162 104.2 81.4 122.0

160 45.5 35.4 53.2

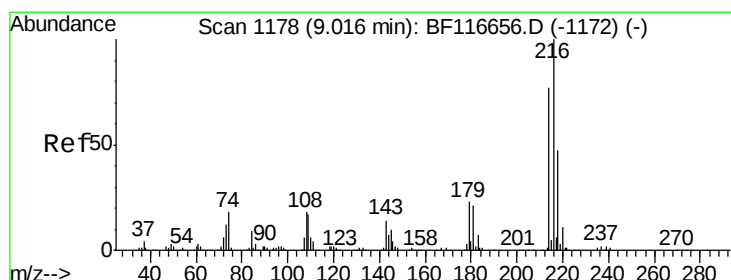
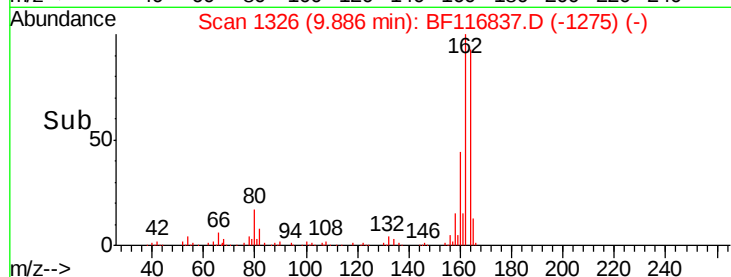
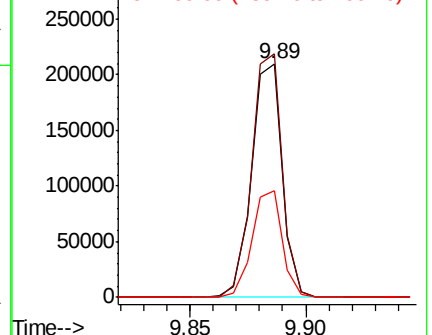


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 32.143 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Tgt Ion:216 Resp: 150113

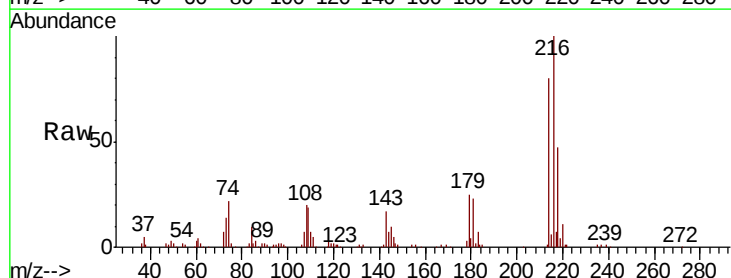
Ion Ratio Lower Upper

216 100

214 79.1 62.7 94.1

179 23.8 19.3 28.9

108 22.0 16.6 25.0



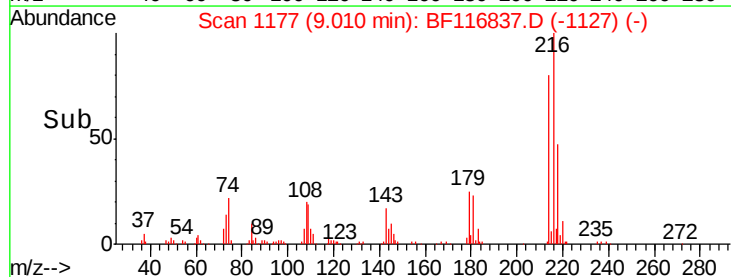
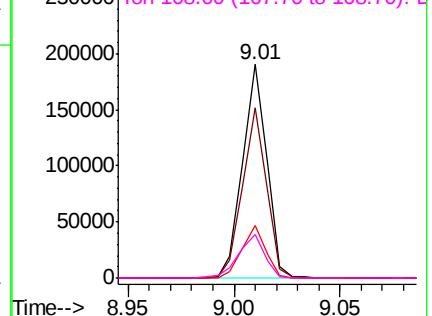
Abundance

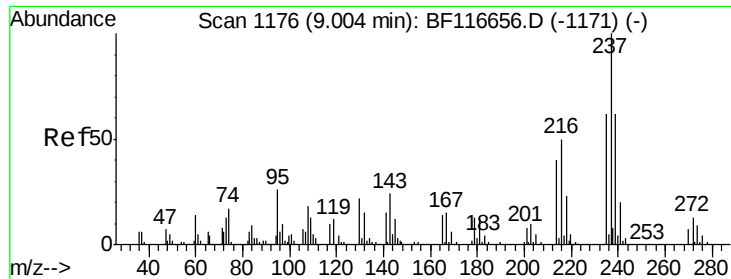
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 21.579 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampled :

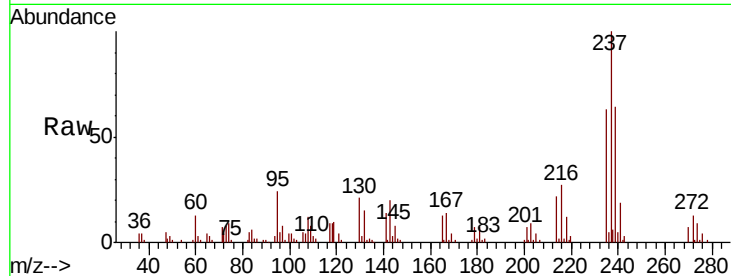
Tot Ion:237 Resp: 58195

Ion Ratio Lower Upper

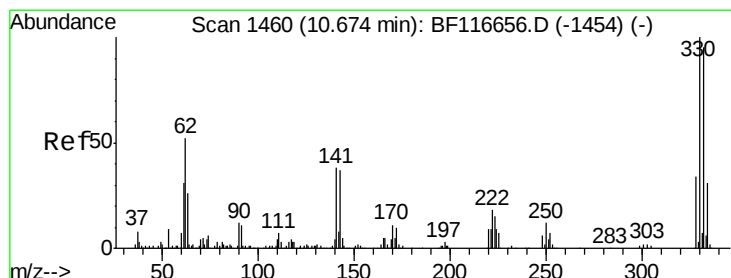
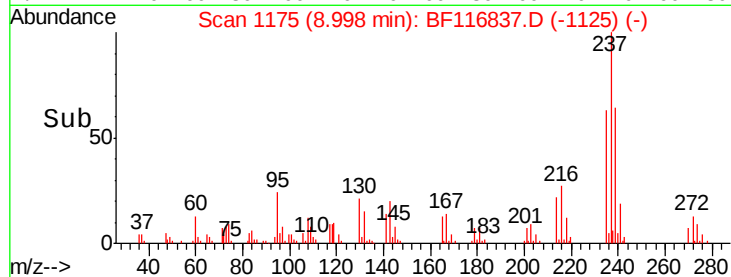
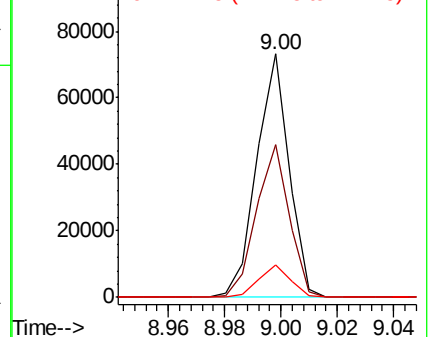
237 100

235 63.0 41.4 81.4

272 13.4 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: 95.745 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

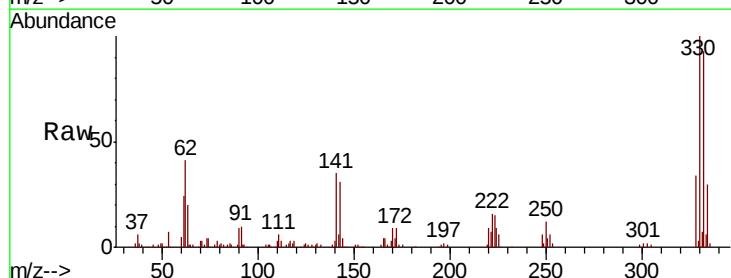
Tgt Ion:330 Resp: 124698

Ion Ratio Lower Upper

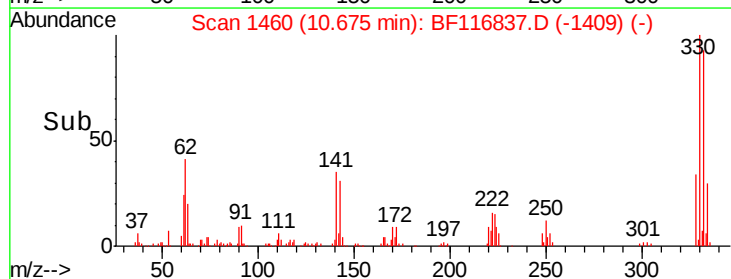
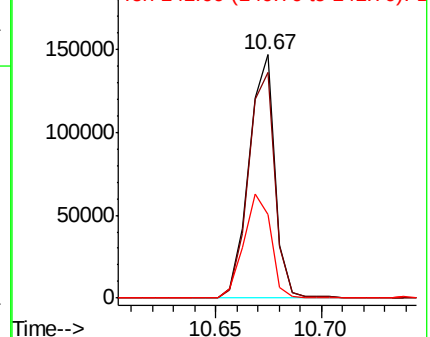
330 100

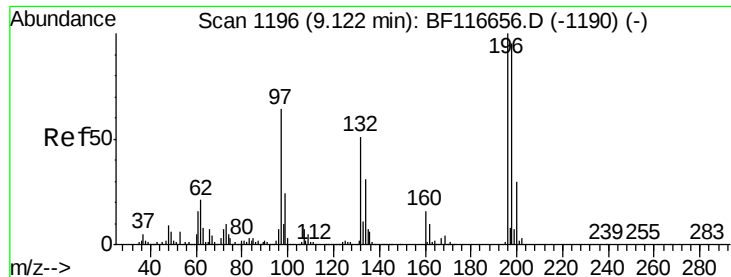
332 96.0 76.9 115.3

141 44.7 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

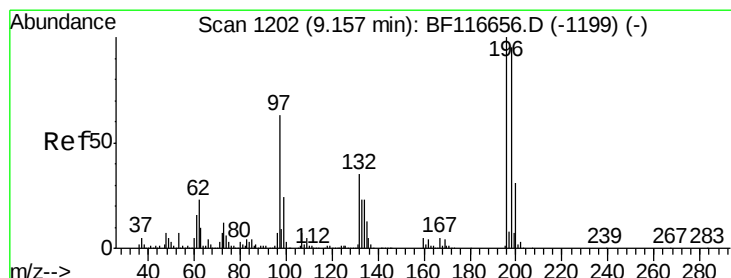
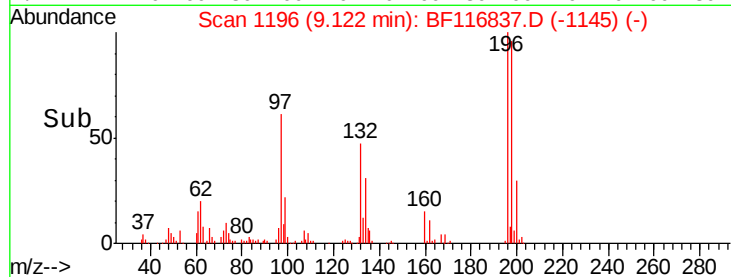
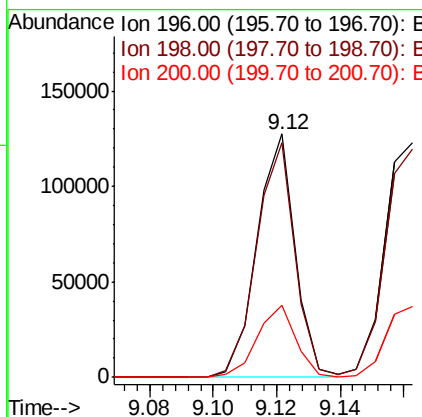
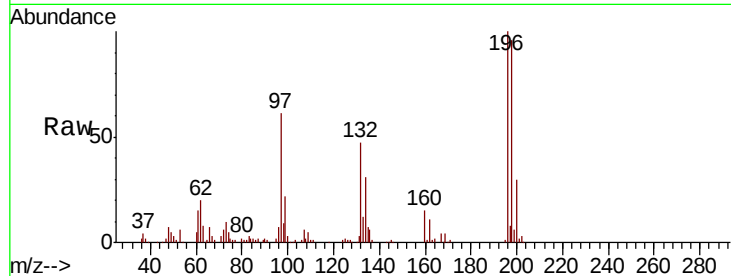




#43
 2,4,6-Trichlorophenol
 Concen: 33.301 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

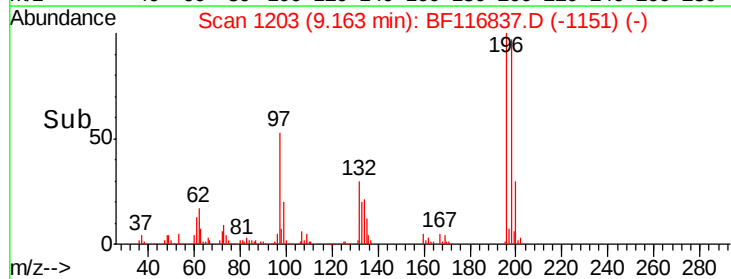
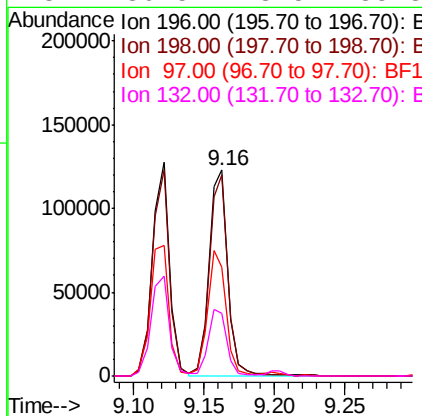
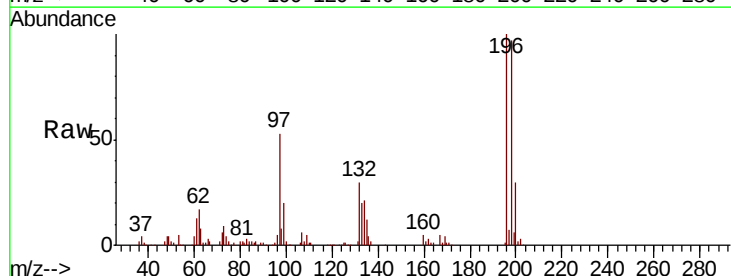
Instrument :
 BNA_F
 ClientSampleId :

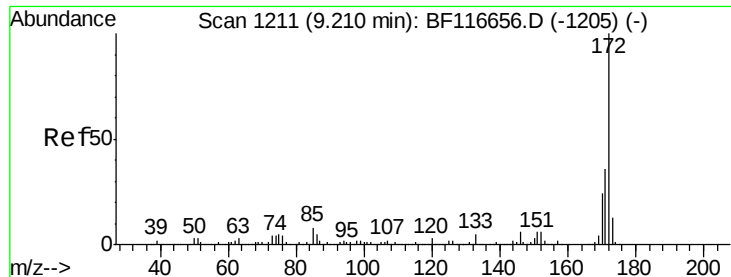
Tot Ion:196 Resp: 106610
 Ion Ratio Lower Upper
 196 100
 198 96.2 79.1 118.7
 200 29.8 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 34.087 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion:196 Resp: 113290
 Ion Ratio Lower Upper
 196 100
 198 97.5 78.1 117.1
 97 52.8 41.6 62.4
 132 30.5 23.5 35.3

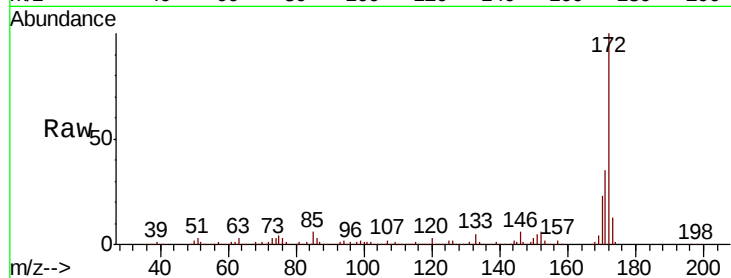




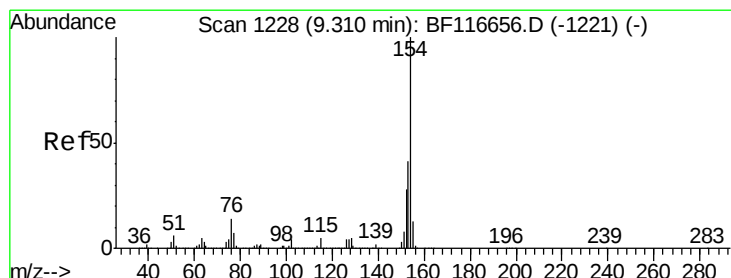
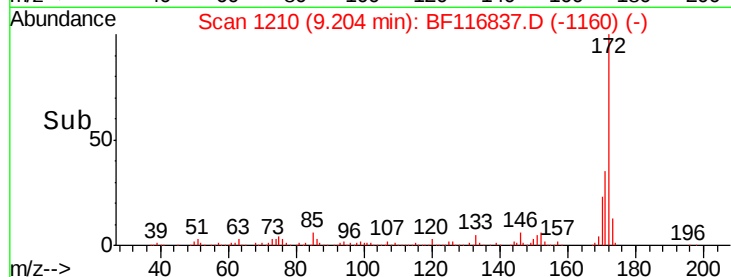
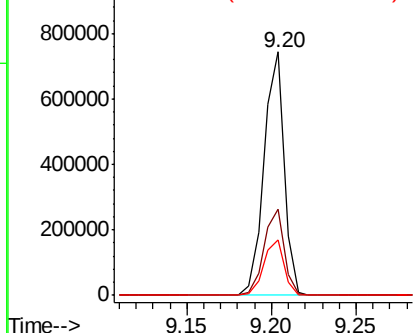
#45
2-Fluorobiphenyl
Concen: 53.436 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 617126
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 23.0 18.9 28.3

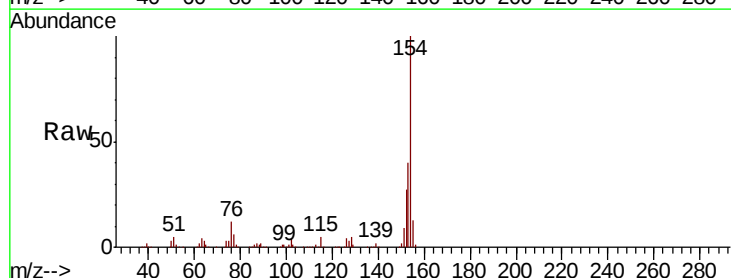


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

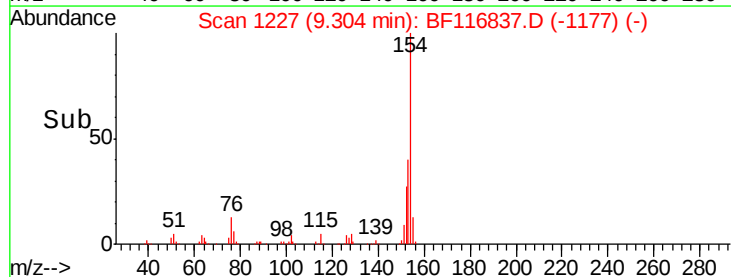
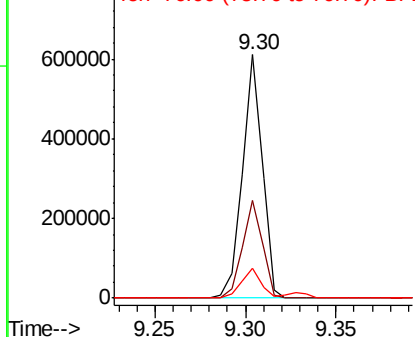


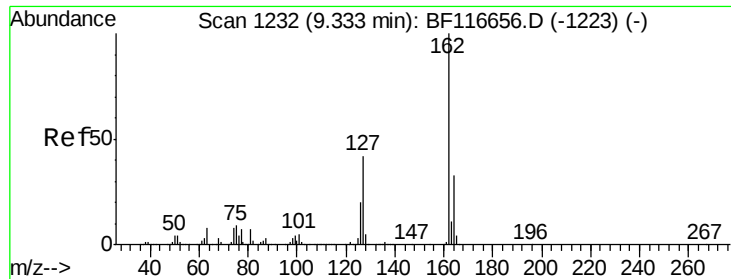
#46
1,1'-Biphenyl
Concen: 31.390 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:154 Resp: 464034
Ion Ratio Lower Upper
154 100
153 40.1 21.2 61.2
76 12.5 0.0 30.9



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

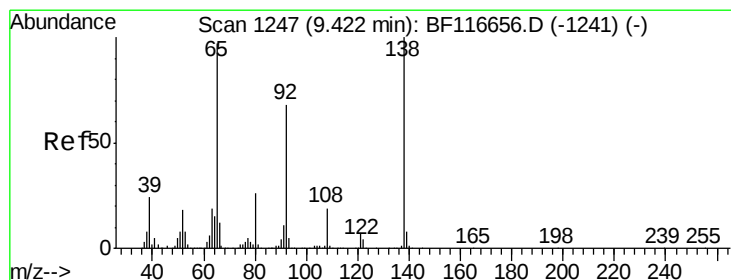
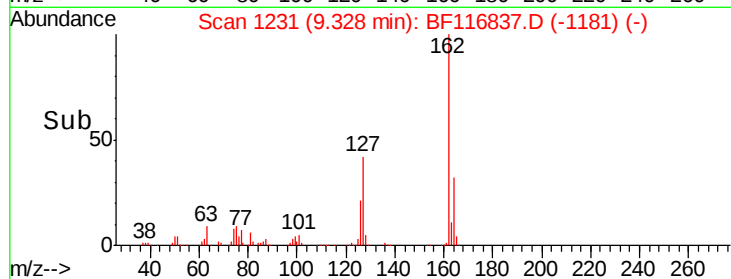
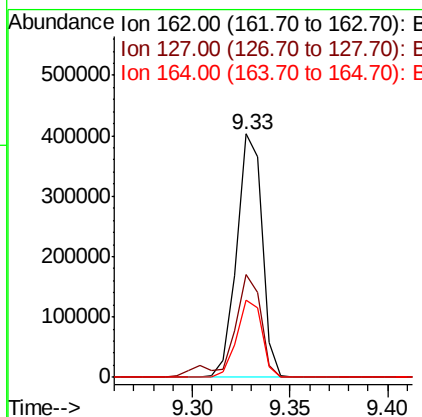
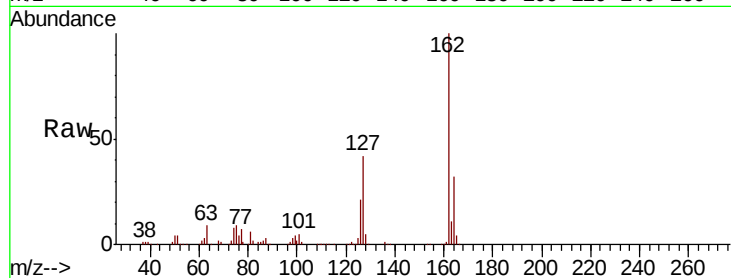




#47
 2-Chloronaphthalene
 Concen: 31.131 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

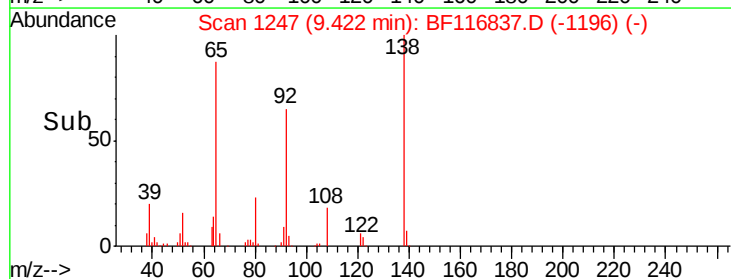
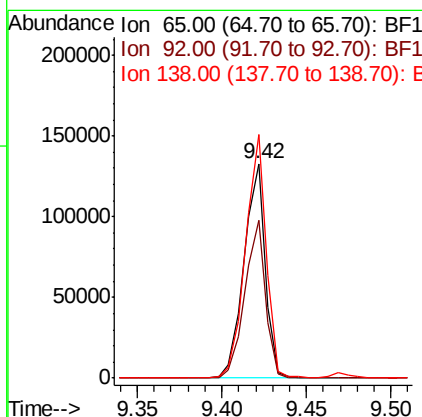
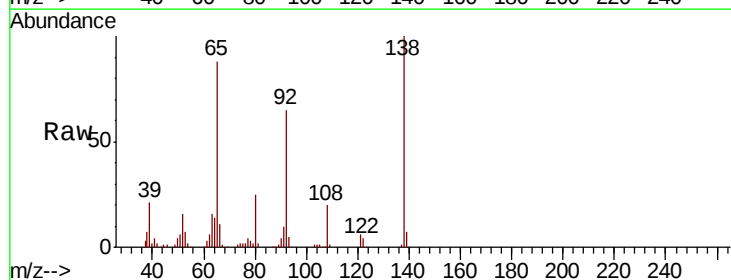
Instrument :
 BNA_F
 ClientSampled :

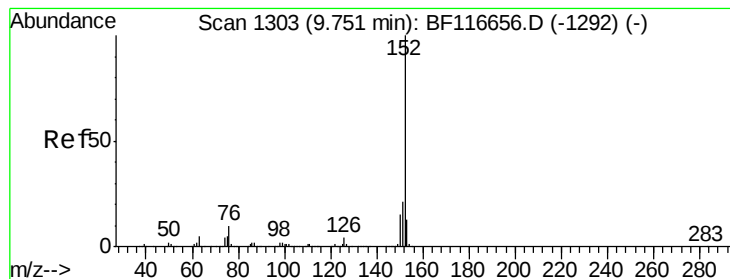
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.4	33.4	50.2
164	31.9	26.6	39.8



#48
 2-Nitroaniline
 Concen: 34.643 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.6	57.1	85.7
138	113.4	88.2	132.2





#49

Acenaphthylene

Concen: 32.557 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

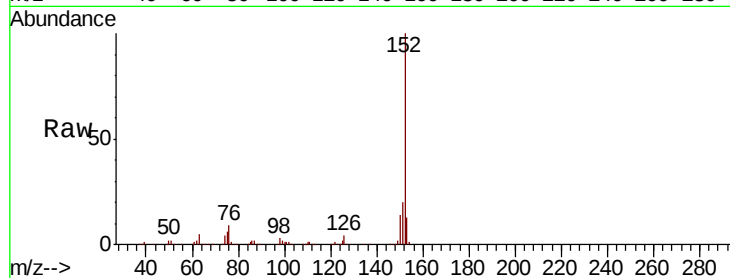
Tot Ion:152 Resp: 576235

Ion Ratio Lower Upper

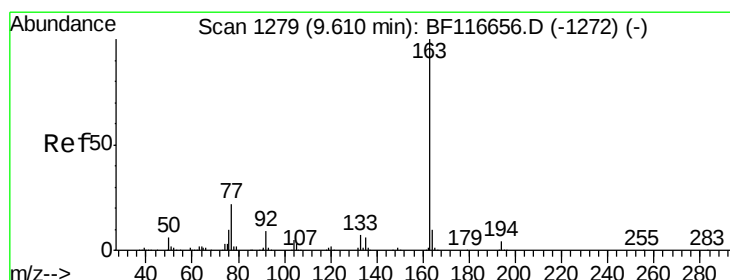
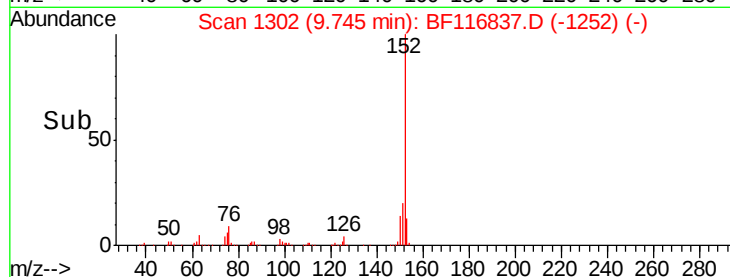
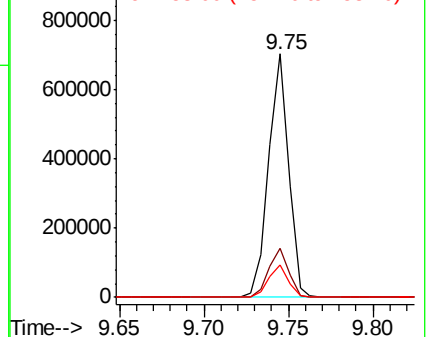
152 100

151 20.3 15.9 23.9

153 13.1 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: 36.094 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

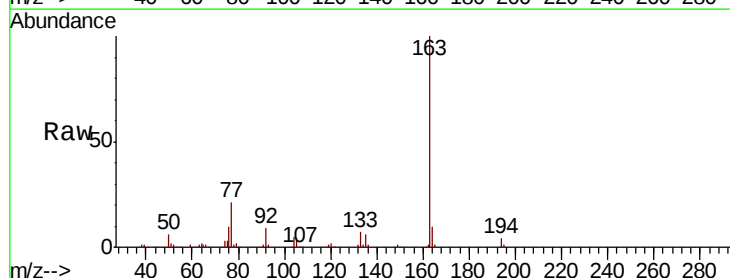
Tgt Ion:163 Resp: 485468

Ion Ratio Lower Upper

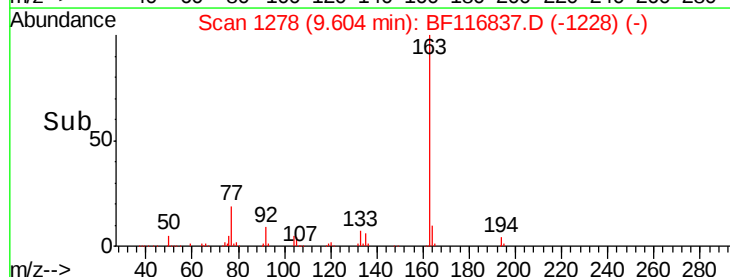
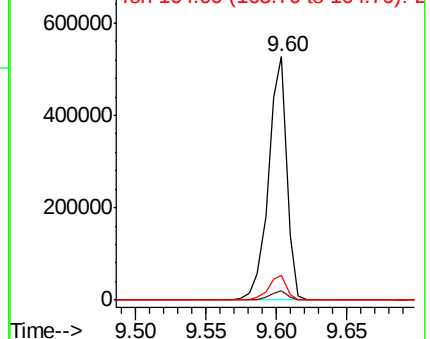
163 100

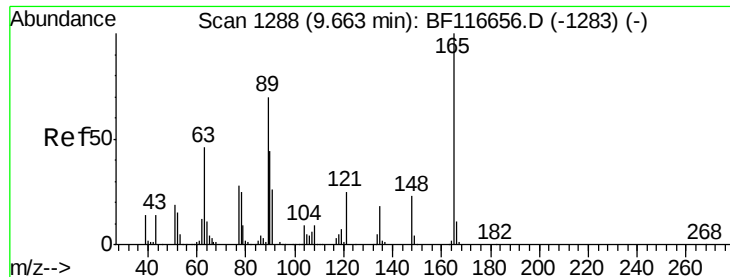
194 4.0 2.8 4.2

164 9.9 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

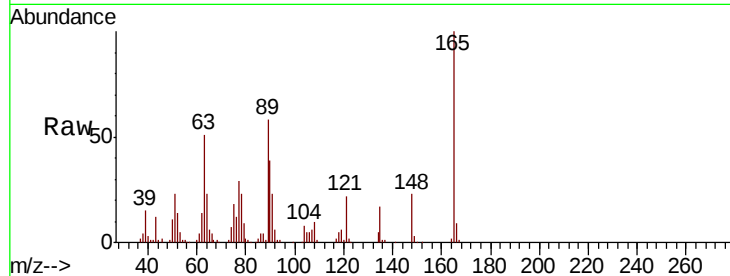




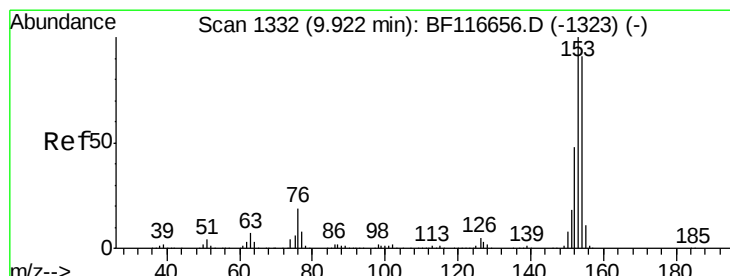
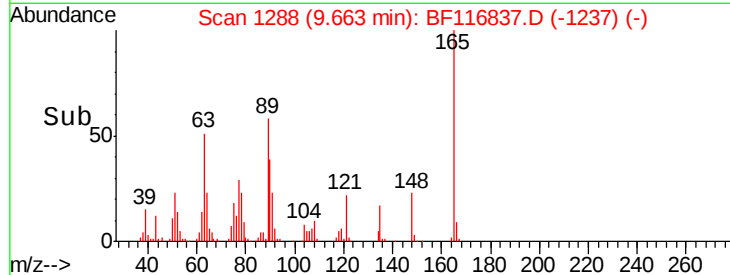
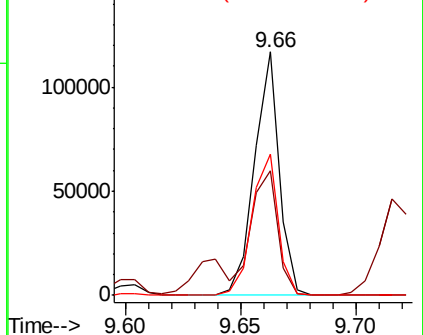
#51
 2,6-Dinitrotoluene
 Concen: 34.142 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	165	Resp	87615
Ion Ratio	Lower	Upper	
165	100		
63	51.2	47.3	70.9
89	58.2	52.5	78.7

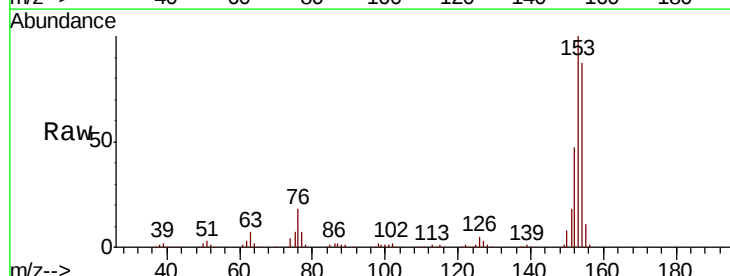


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

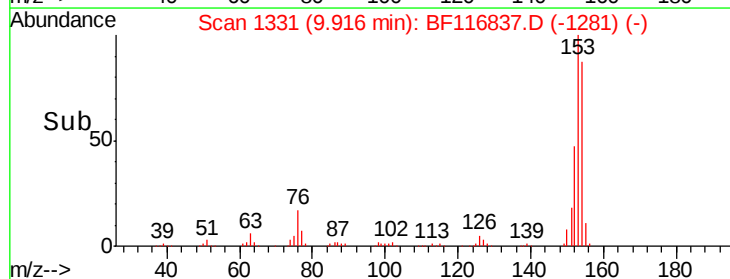
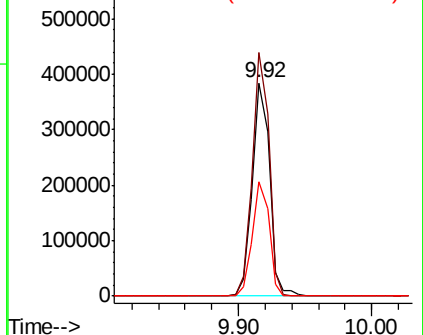


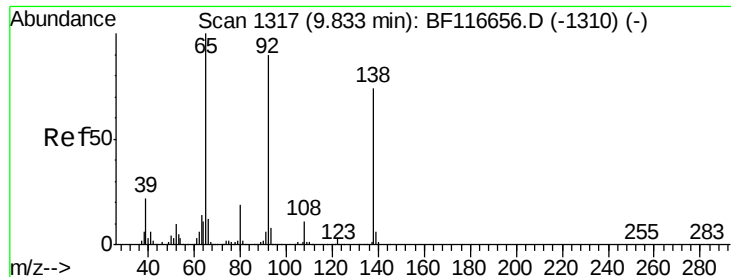
#52
 Acenaphthene
 Concen: 31.120 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion	154	Resp	338427
Ion Ratio	Lower	Upper	
154	100		
153	114.3	89.5	134.3
152	53.9	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

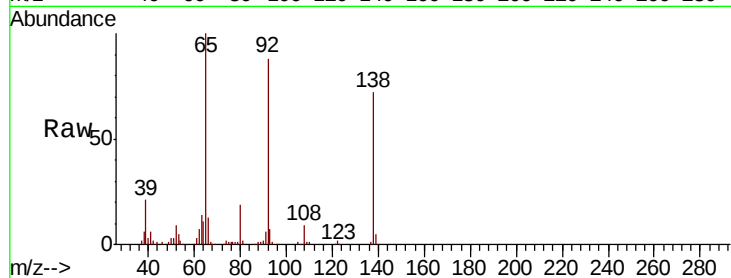




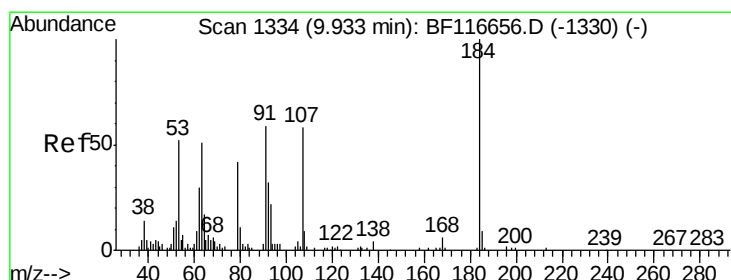
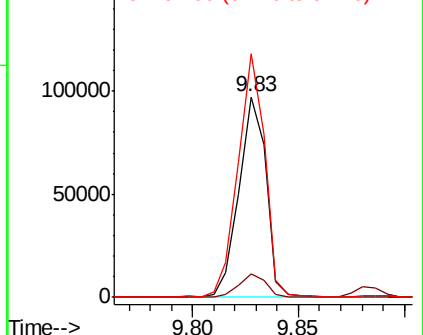
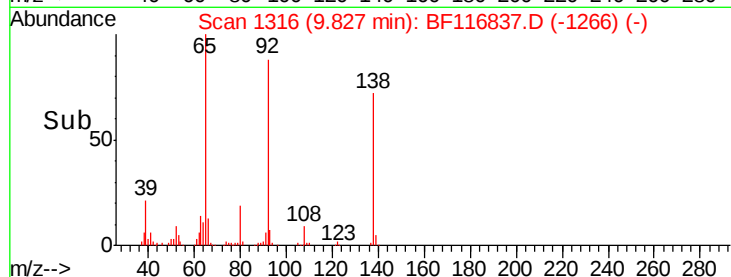
#53
3-Nitroaniline
Concen: 26.818 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 86247
Ion Ratio Lower Upper
138 100
108 11.8 8.5 12.7
92 121.6 87.2 130.8

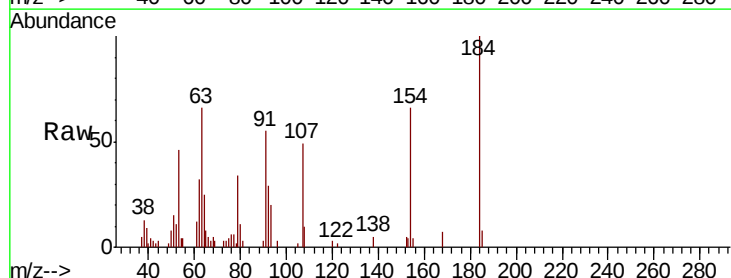


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

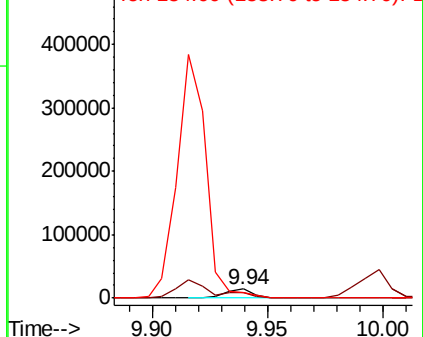
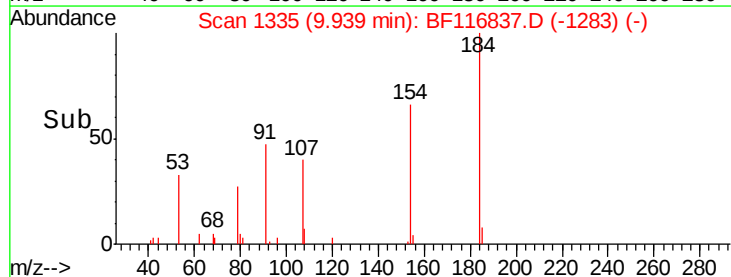


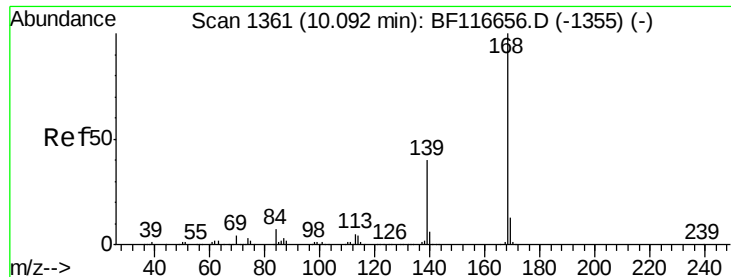
#54
2,4-Dinitrophenol
Concen: 20.821 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:184 Resp: 12094
Ion Ratio Lower Upper
184 100
63 66.2 52.2 78.2
154 65.6 60.8 91.2



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

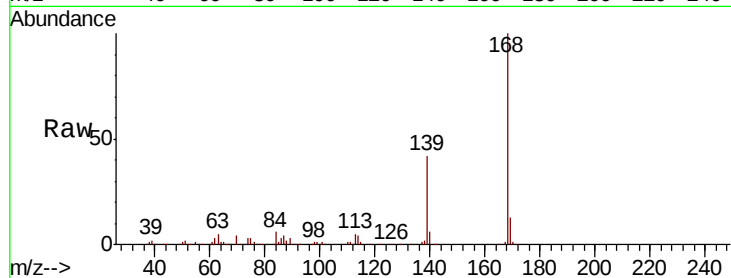




#55
Dibenzofuran
Concen: 33.419 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.3	31.5	47.3
169	13.4	10.3	15.5

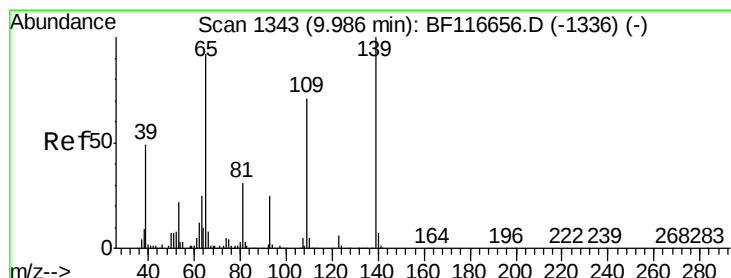
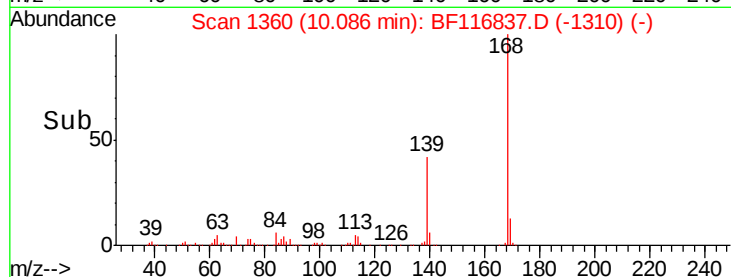
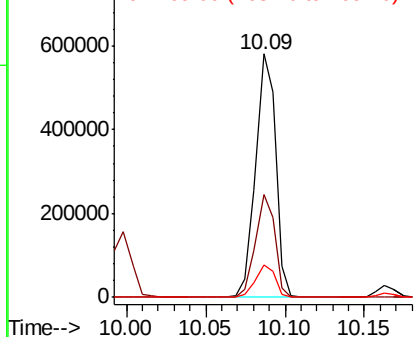


Abundance

Ion 168.00 (167.70 to 168.70): E

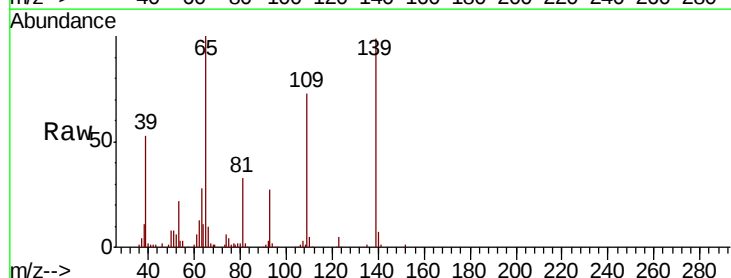
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 70.592 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.3	61.7	101.7
65	100.6	89.1	129.1

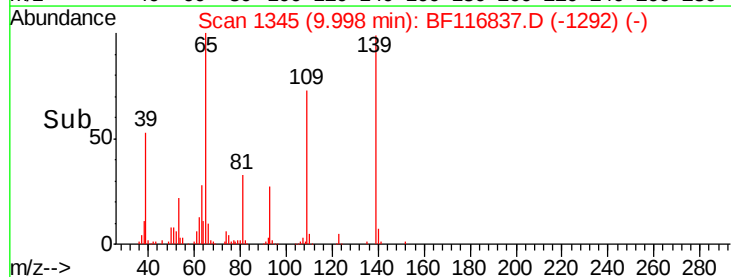
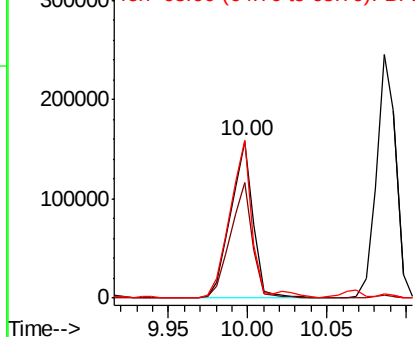


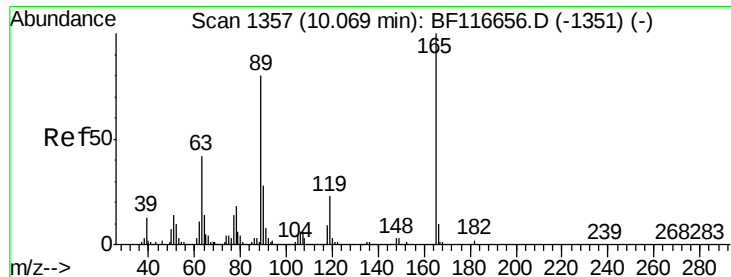
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

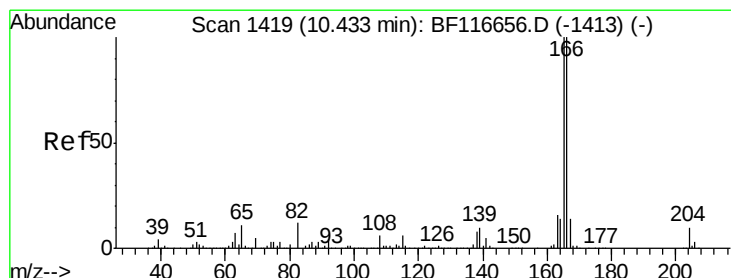
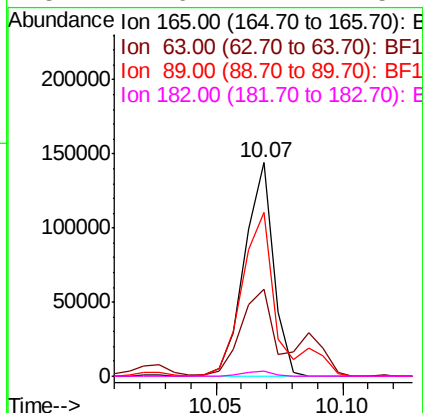
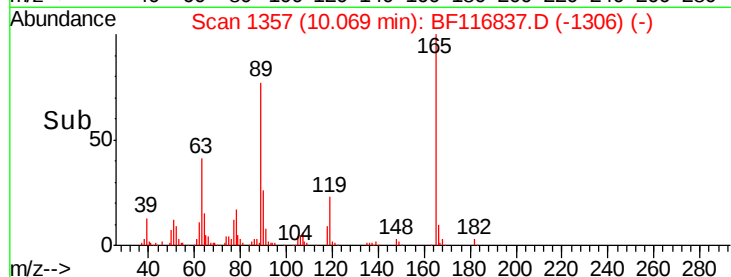
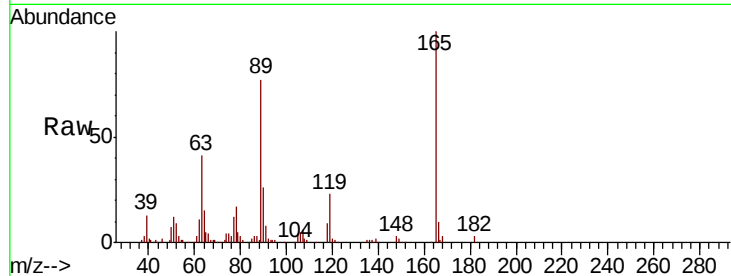




#57
 2,4-Dinitrotoluene
 Concen: 36.577 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

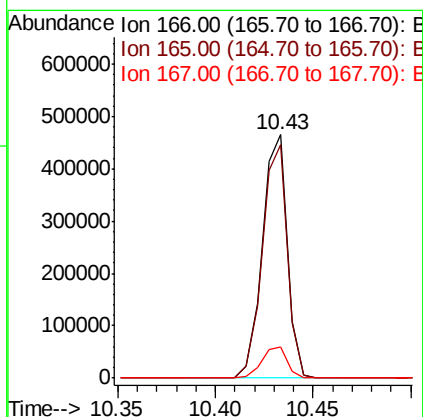
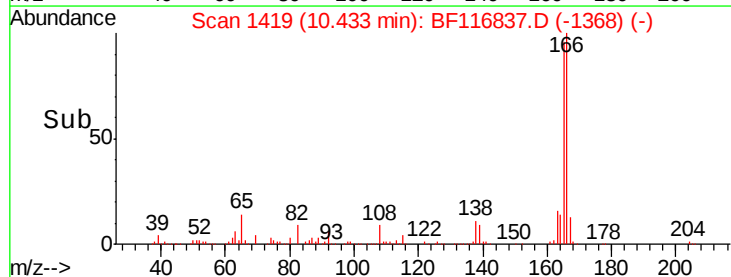
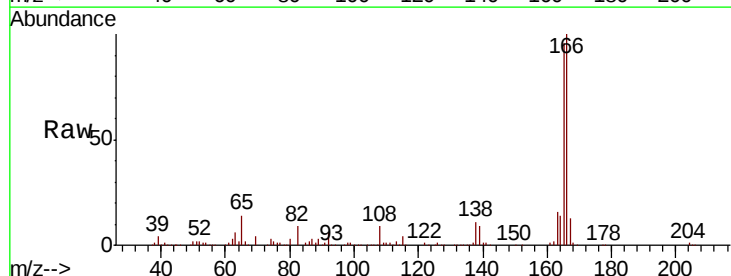
Instrument :
 BNA_F
 ClientSampleId :

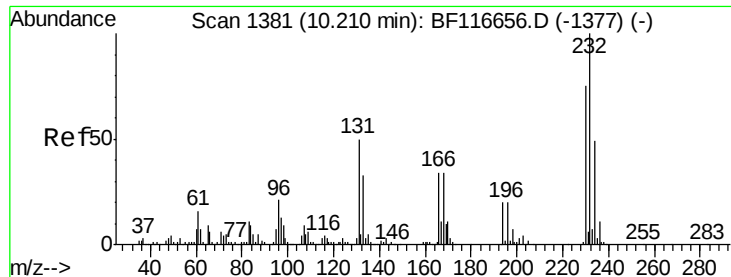
Tot Ion:165 Resp: 114773
 Ion Ratio Lower Upper
 165 100
 63 40.5 36.4 54.6
 89 76.7 62.6 94.0
 182 2.6 2.1 3.1



#58
 Fluorene
 Concen: 35.192 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion:166 Resp: 411086
 Ion Ratio Lower Upper
 166 100
 165 96.0 78.8 118.2
 167 12.9 10.0 15.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 35.962 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:232 Resp: 86262

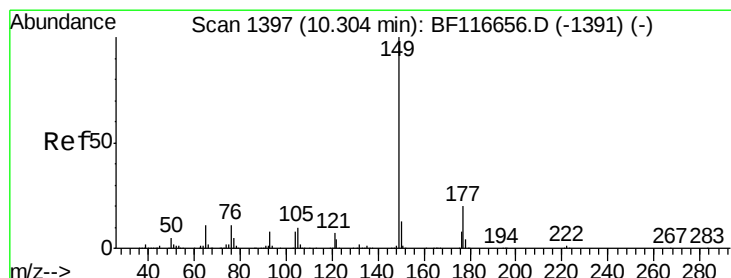
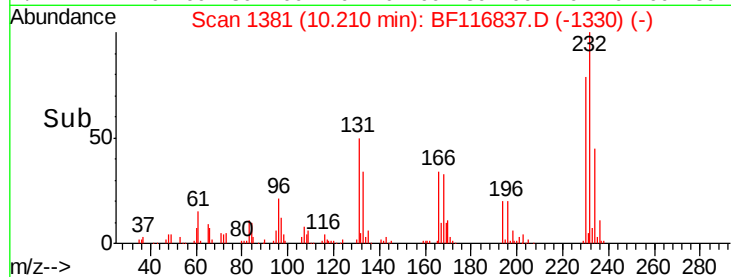
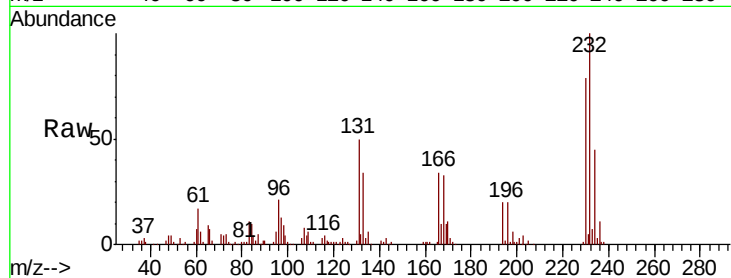
Ion	Ratio	Lower	Upper
232	100		
131	55.4	42.7	64.1
130	2.5	1.9	2.9
166	35.4	27.4	41.2

Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 32.438 ng

RT: 10.30 min Scan# 1396

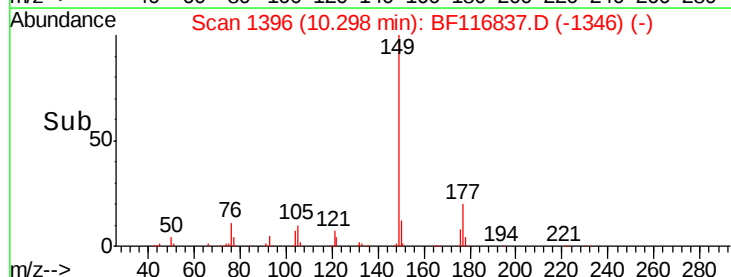
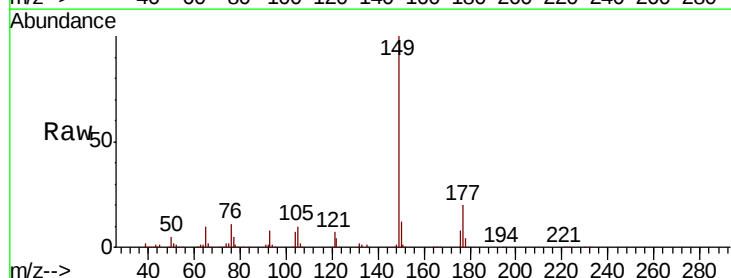
Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Tgt Ion:149 Resp: 437043

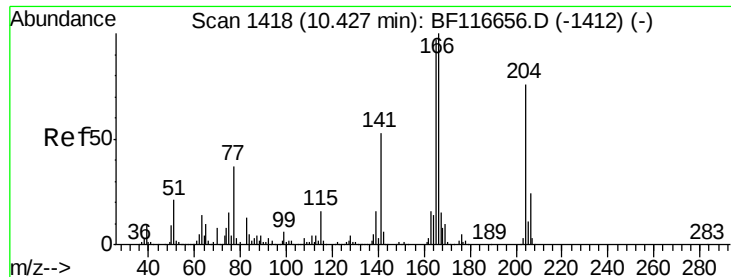
Ion	Ratio	Lower	Upper
149	100		
177	20.1	17.2	25.8
150	12.3	9.7	14.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#61

4-Chlorophenyl-phenylether

Concen: 33.957 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

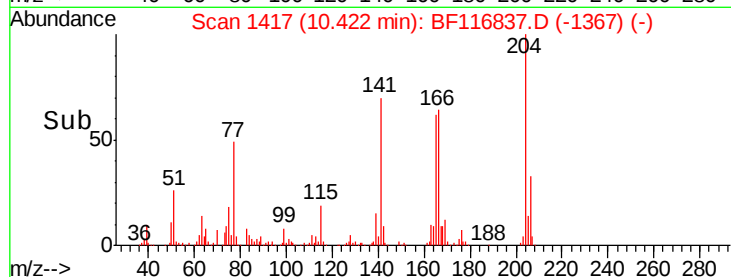
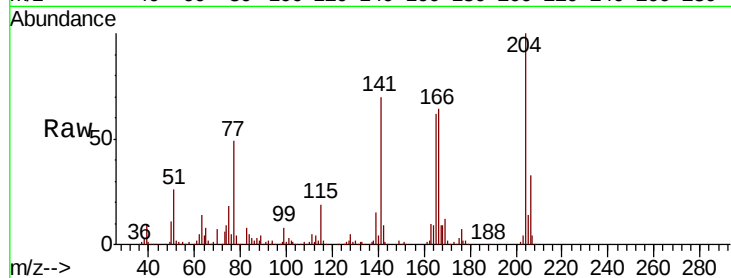
Tot Ion:204 Resp: 173697

Ion Ratio Lower Upper

204 100

206 32.8 25.4 38.2

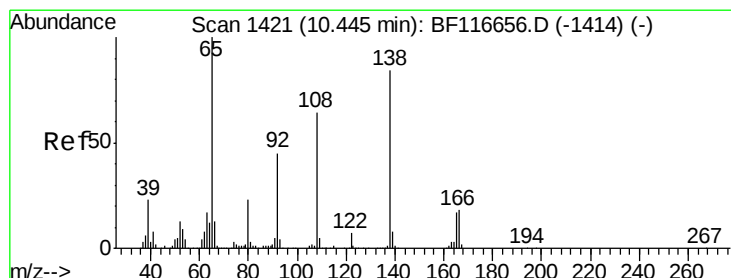
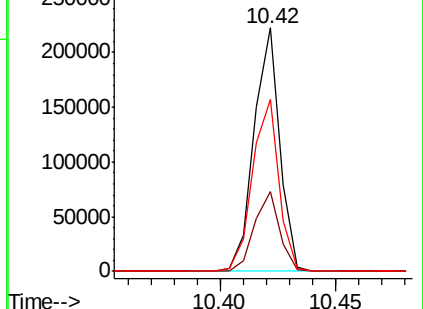
141 70.4 53.8 80.8



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: 33.992 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

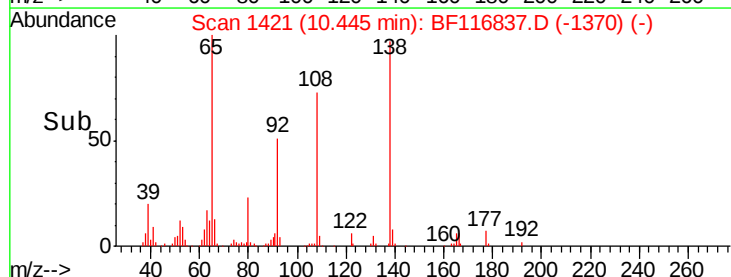
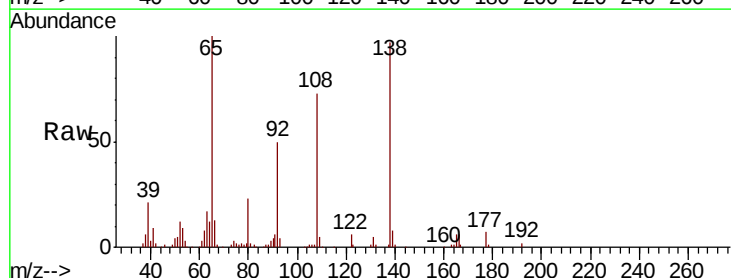
Tgt Ion:138 Resp: 106088

Ion Ratio Lower Upper

138 100

92 52.2 28.7 68.7

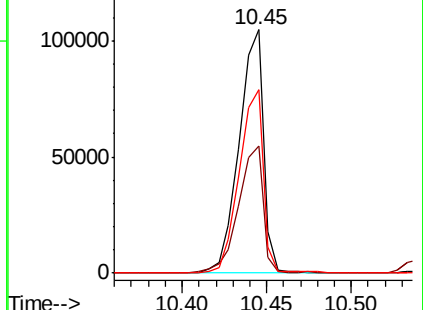
108 75.1 60.4 100.4

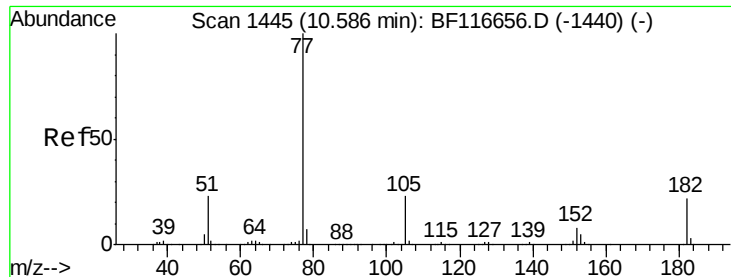


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 31.483 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 442286

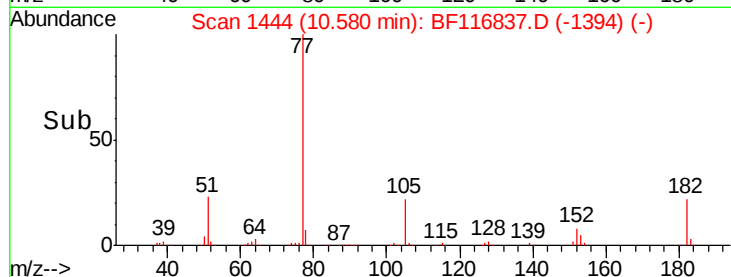
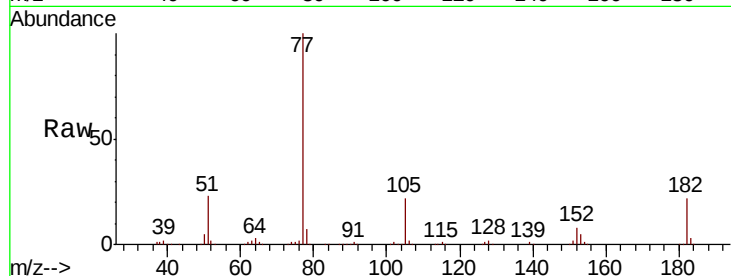
Ion Ratio Lower Upper

77 100

182 22.2 1.2 41.2

105 22.2 0.6 40.6

51 22.8 8.2 48.2

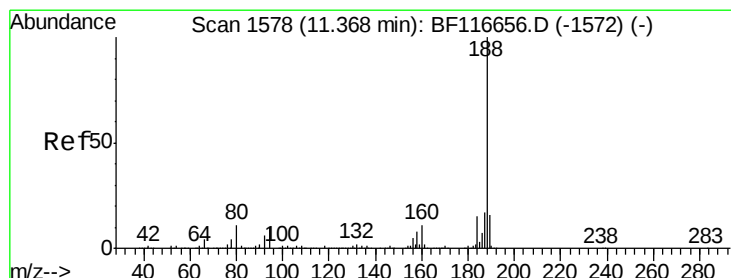
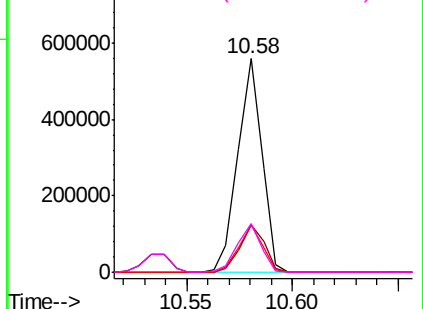


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

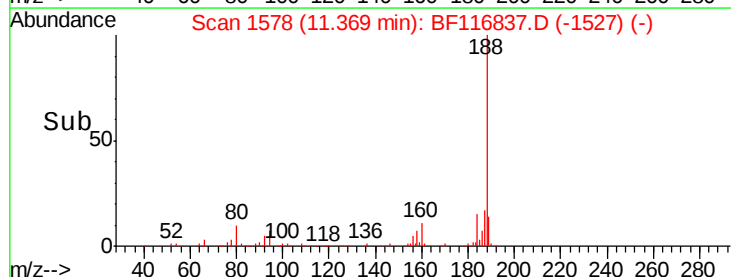
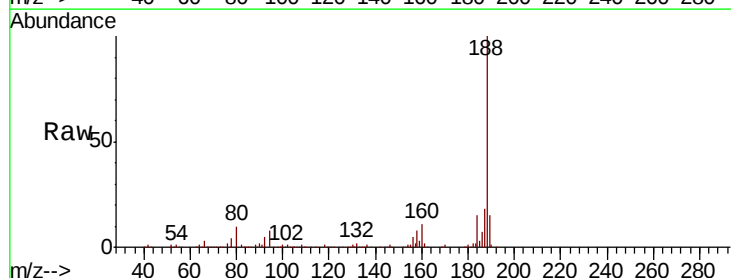
Tgt Ion: 188 Resp: 319118

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

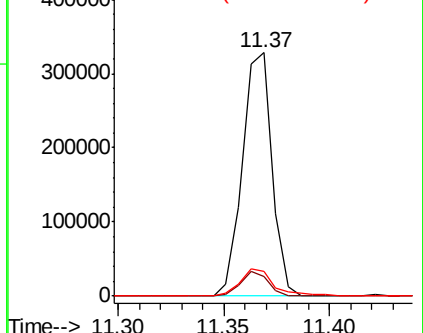
80 9.9 8.4 12.6

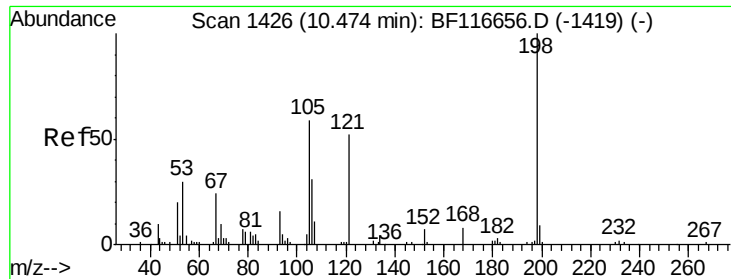


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

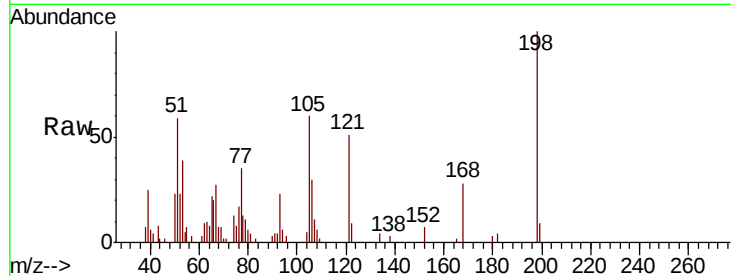




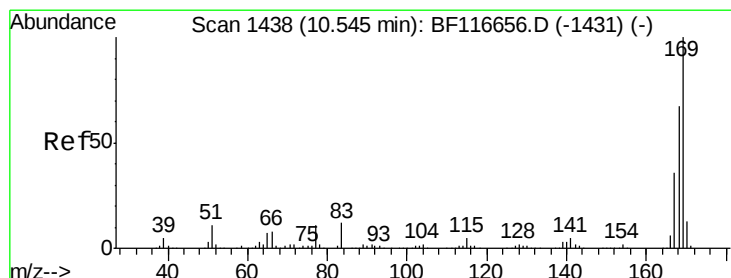
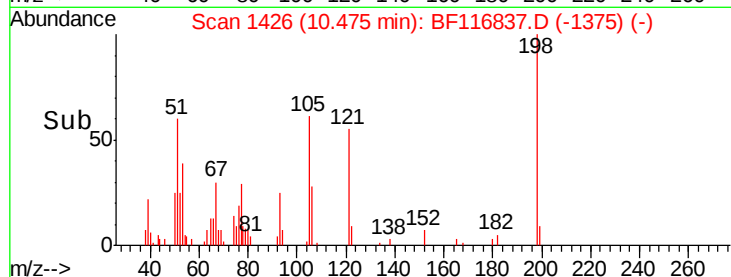
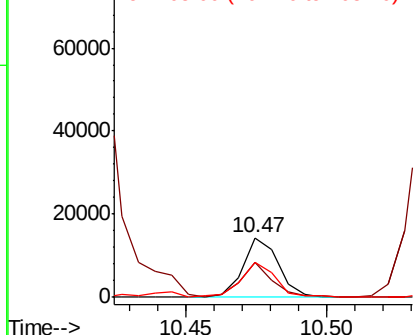
#65
4,6-Dinitro-2-methylphenol
Concen: 16.296 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 12305
Ion Ratio Lower Upper
198 100
51 59.2 18.4 58.4#
105 59.9 22.9 62.9

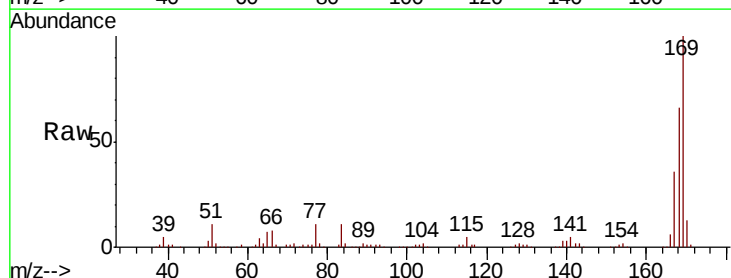


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

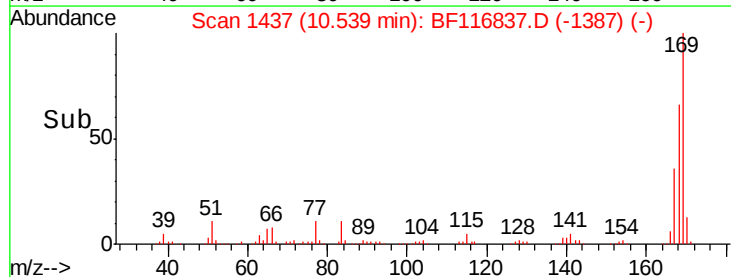
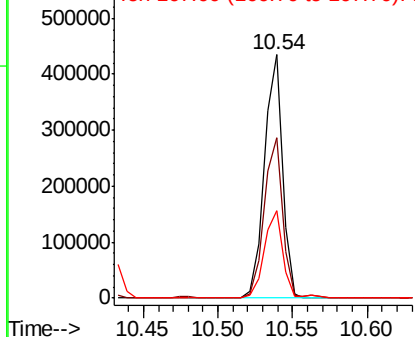


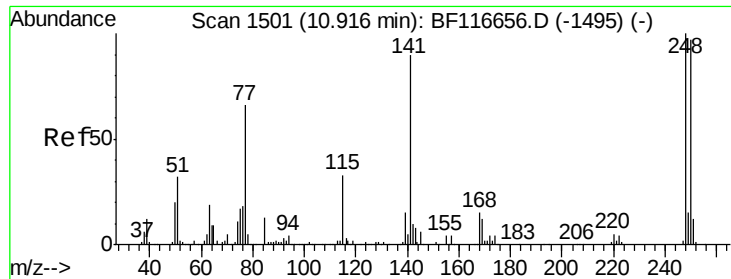
#66
n-Nitrosodiphenylamine
Concen: 32.498 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:169 Resp: 358762
Ion Ratio Lower Upper
169 100
168 66.0 55.8 83.6
167 36.1 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

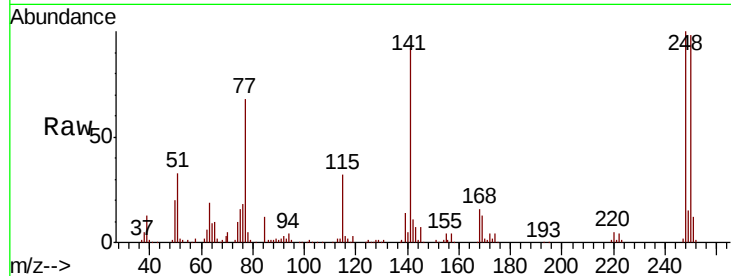




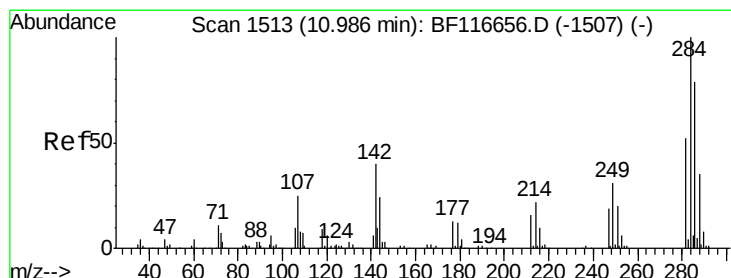
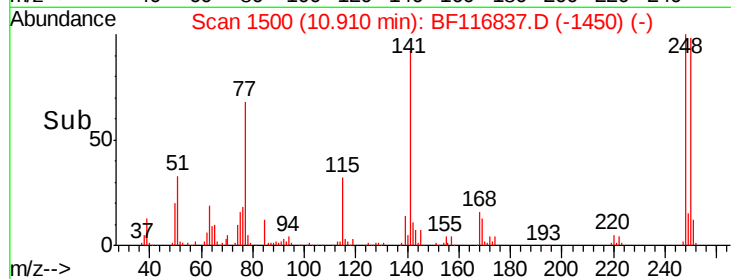
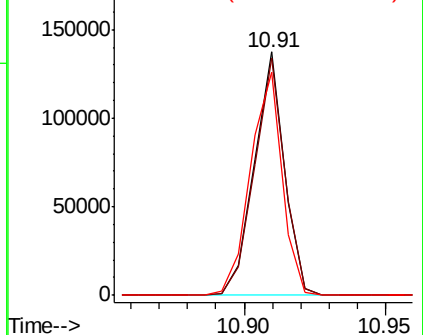
#67
4-Bromophenyl-phenylether
Concen: 31.347 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 101620
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.8
141 91.6 75.9 113.9

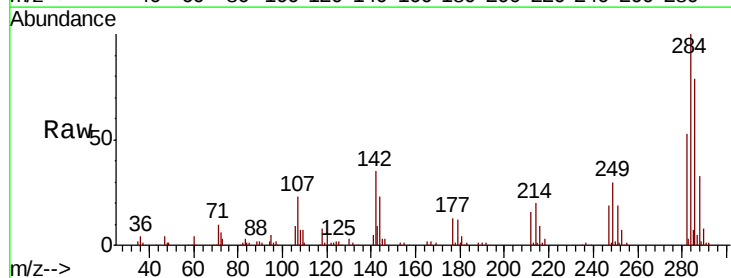


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

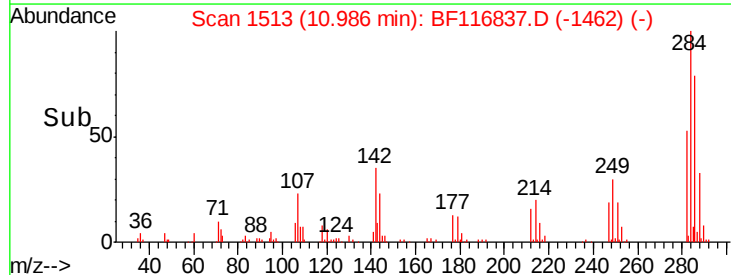
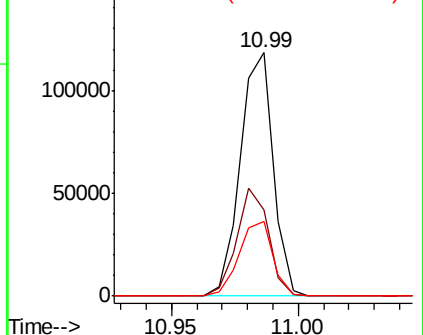


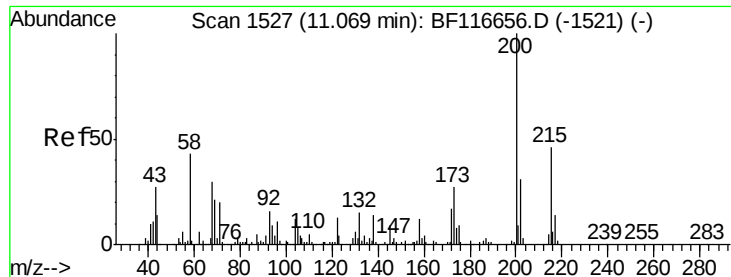
#68
Hexachlorobenzene
Concen: 31.462 ng
RT: 10.99 min Scan# 1513
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:284 Resp: 106713
Ion Ratio Lower Upper
284 100
142 35.4 34.0 51.0
249 30.5 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

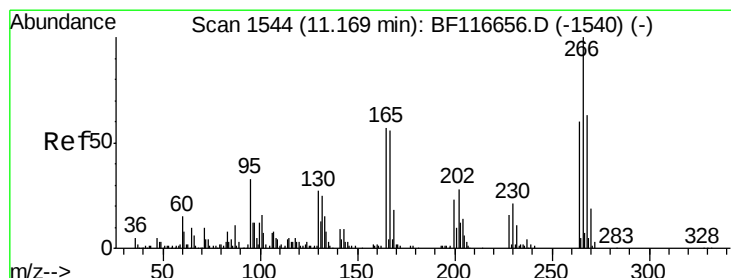
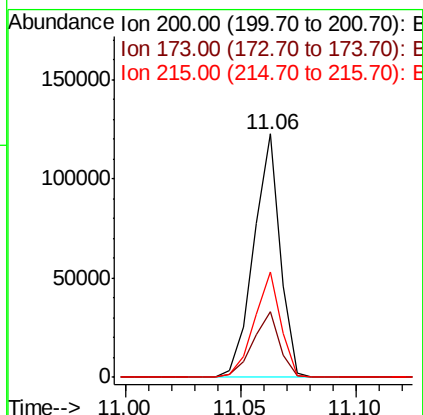
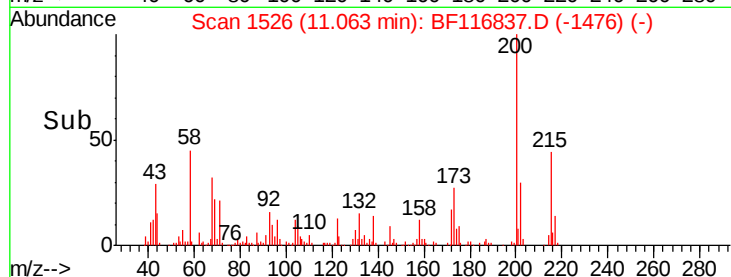
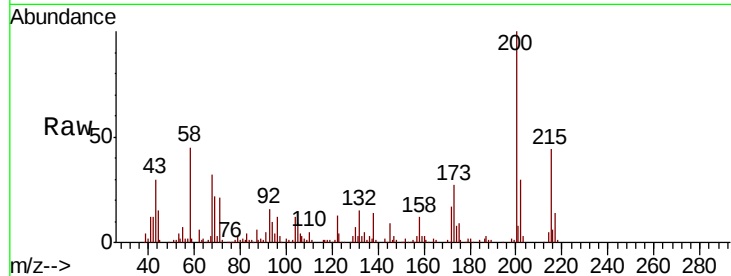




#69
Atrazine
Concen: 31.693 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

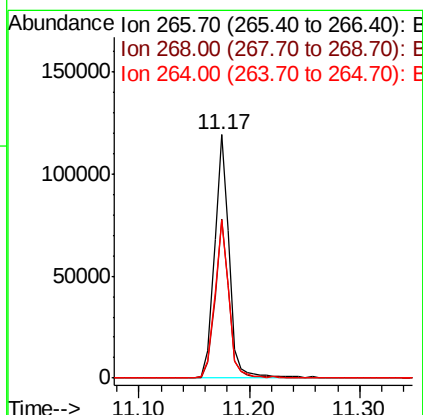
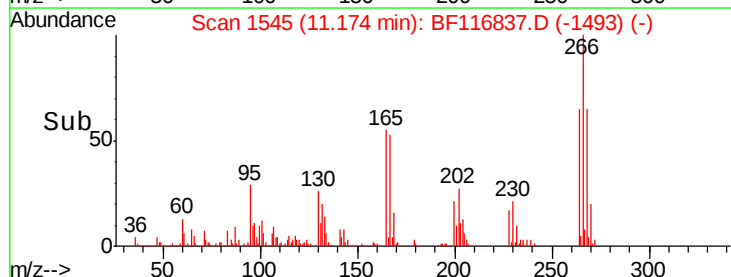
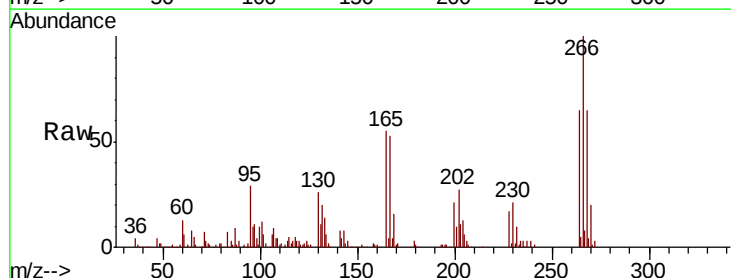
Instrument :
BNA_F
ClientSampleId :

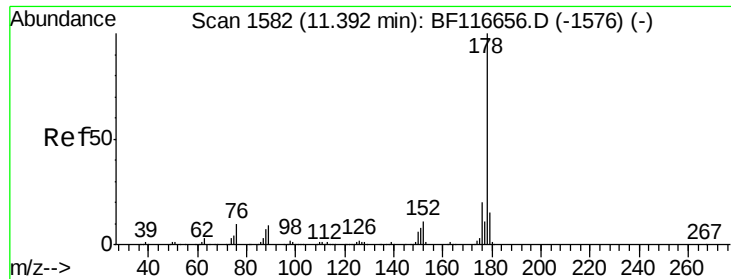
Tot Ion:200 Resp: 97990
Ion Ratio Lower Upper
200 100
173 27.1 6.2 46.2
215 43.5 24.3 64.3



#70
Pentachlorophenol
Concen: 66.119 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:266 Resp: 108485
Ion Ratio Lower Upper
266 100
268 65.5 51.2 76.8
264 64.9 51.9 77.9

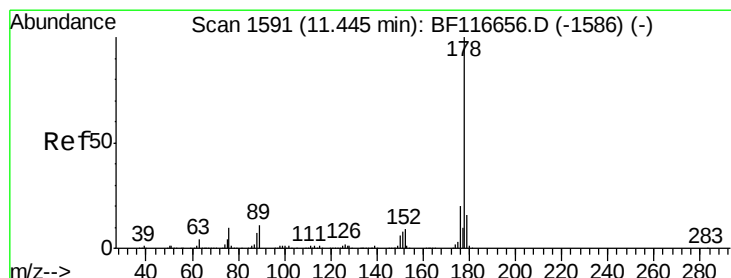
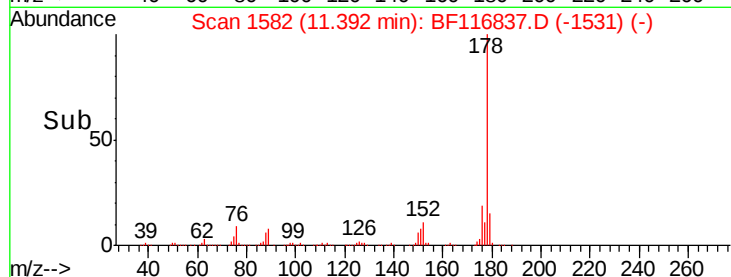
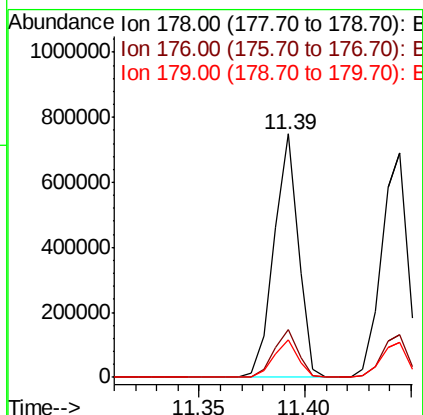
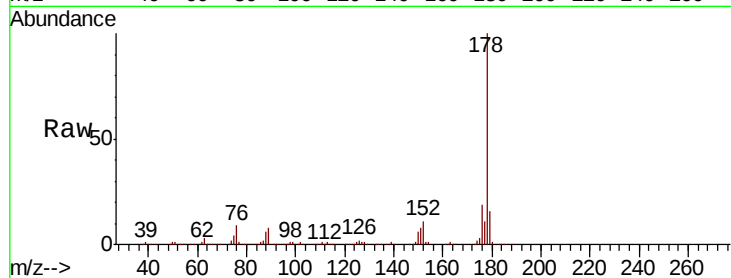




#71
Phenanthrene
Concen: 33.767 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

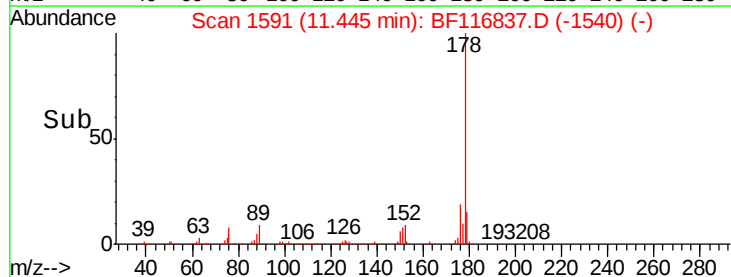
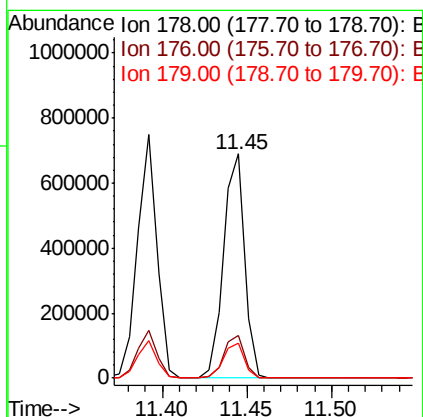
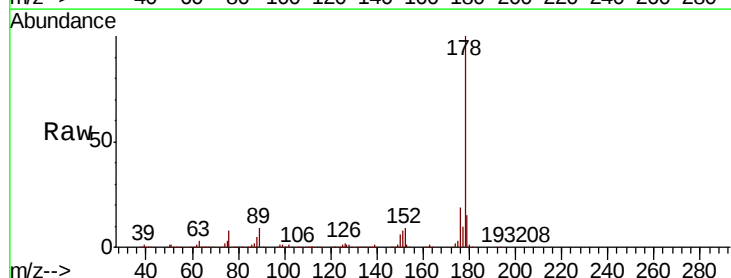
Instrument :
BNA_F
ClientSampleId :

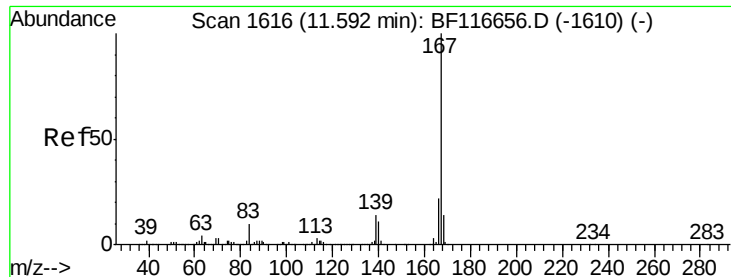
Tot Ion:178 Resp: 599848
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.2 18.2



#72
Anthracene
Concen: 33.590 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:178 Resp: 600660
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.5 18.7

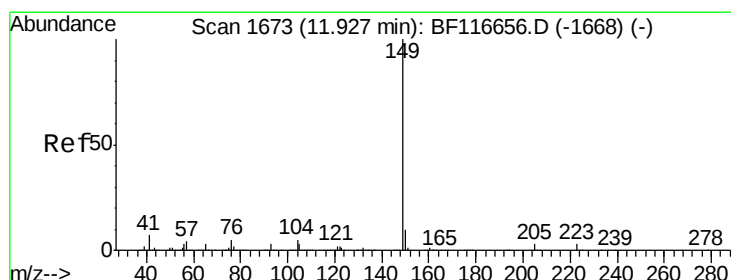
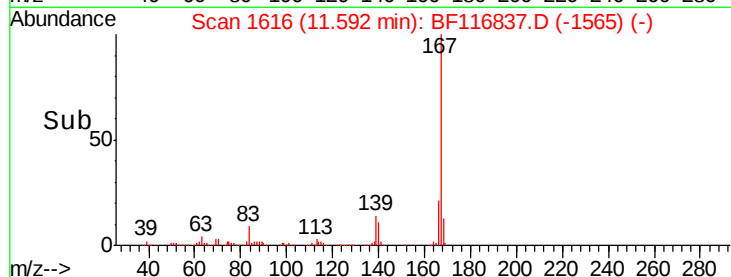
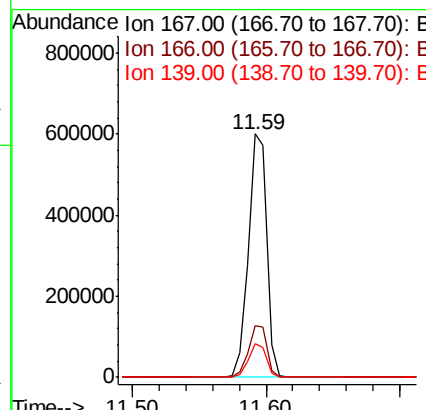
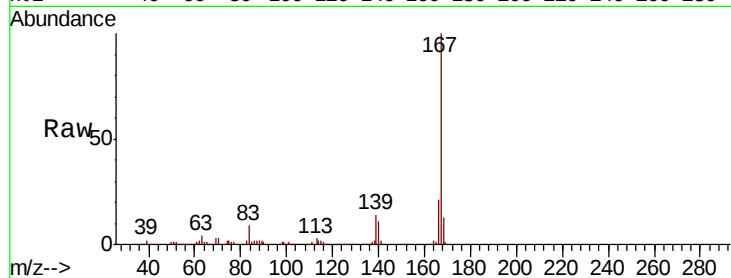




#73
 Carbazole
 Concen: 33.278 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

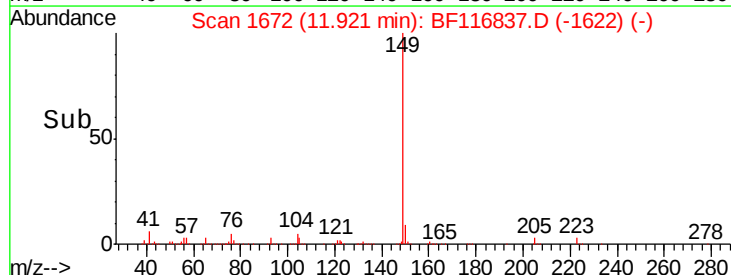
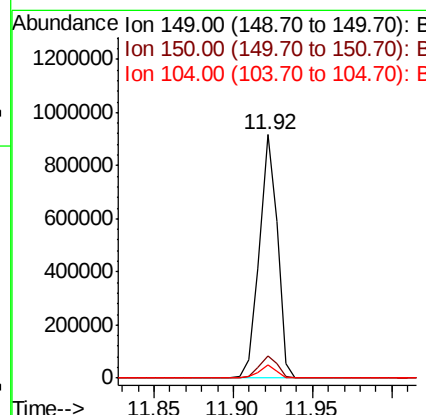
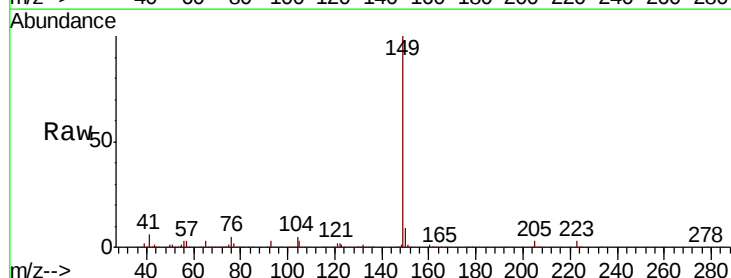
Instrument :
 BNA_F
 ClientSampleId :

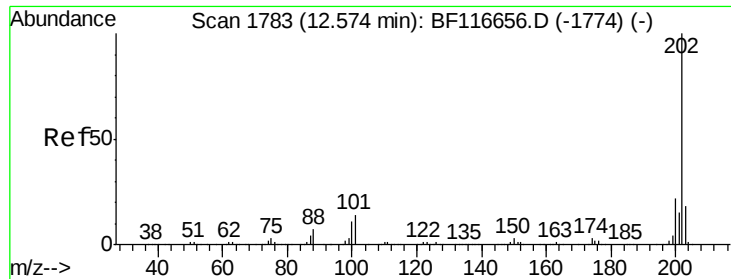
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.6
139	13.7	11.1	16.7



#74
 Di-n-butylphthalate
 Concen: 33.237 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

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





#75

Fluoranthene

Concen: 34.705 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

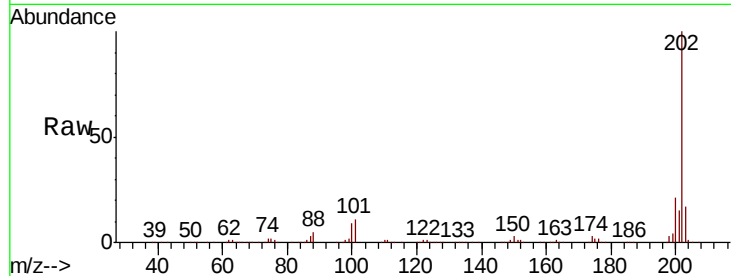
Tot Ion:202 Resp: 605868

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.3

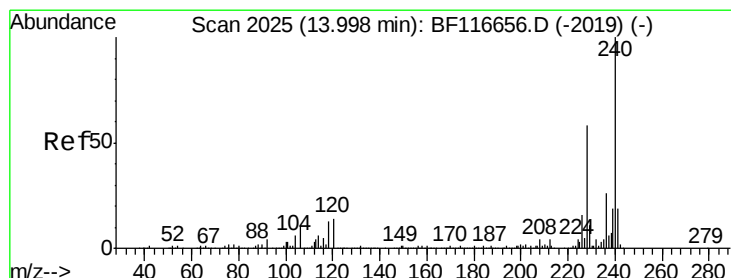
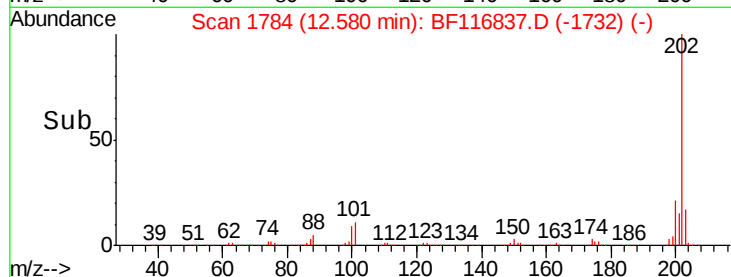
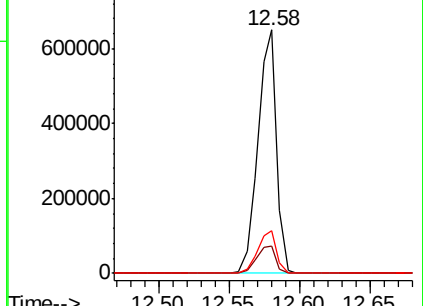
203 17.5 0.0 37.6



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# 2026

Delta R.T. 0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

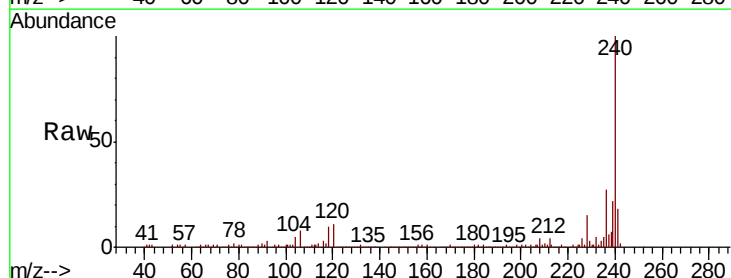
Tgt Ion:240 Resp: 223817

Ion Ratio Lower Upper

240 100

120 10.6 9.1 13.7

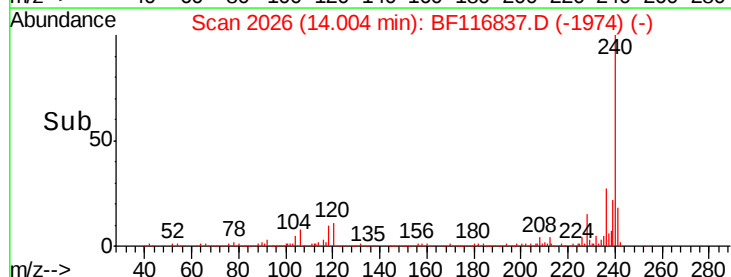
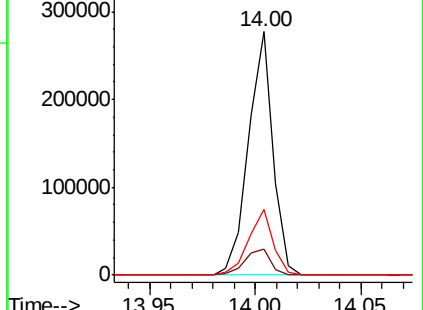
236 26.9 21.1 31.7

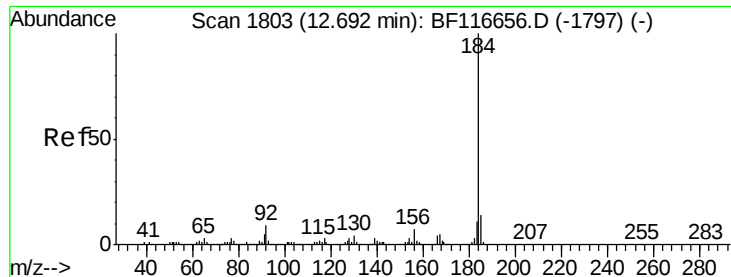


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 52.861 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampled :

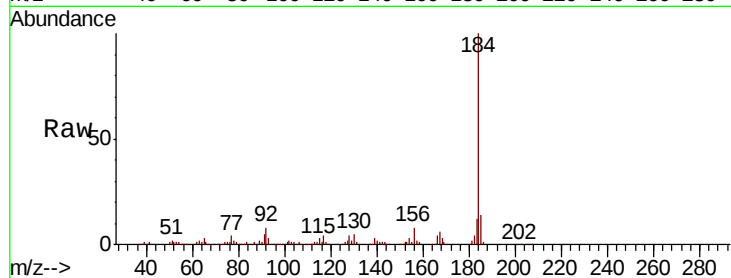
Tot Ion:184 Resp: 464044

Ion Ratio Lower Upper

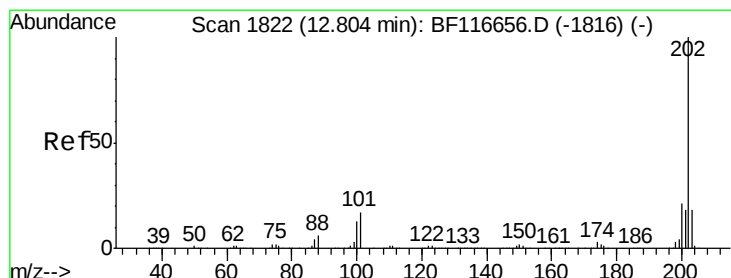
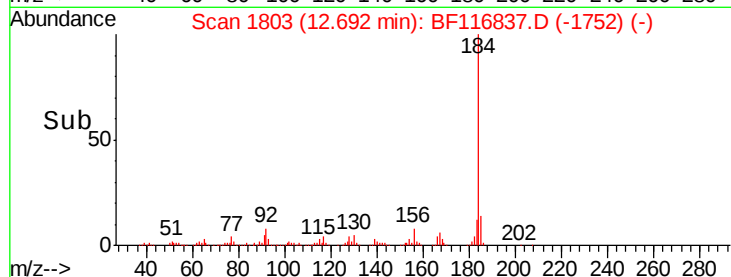
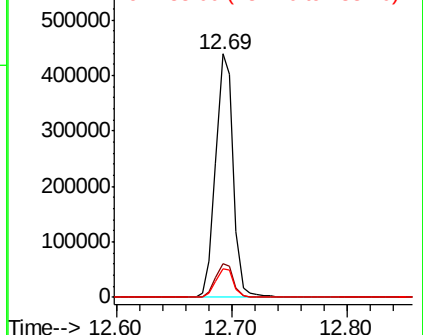
184 100

185 13.8 11.3 16.9

183 11.9 9.2 13.8



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



#78

Pyrene

Concen: 30.519 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

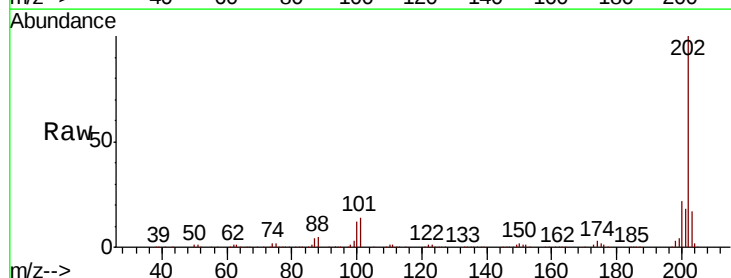
Tgt Ion:202 Resp: 607197

Ion Ratio Lower Upper

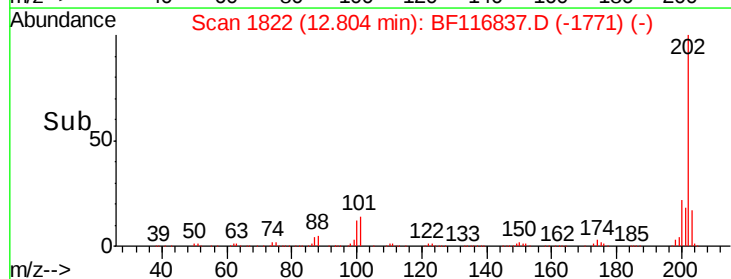
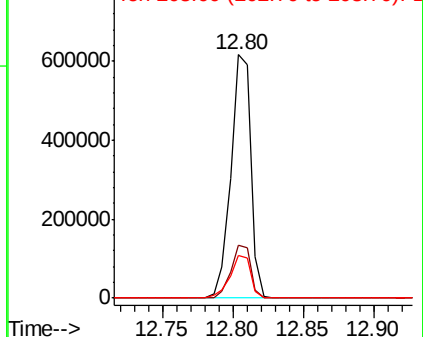
202 100

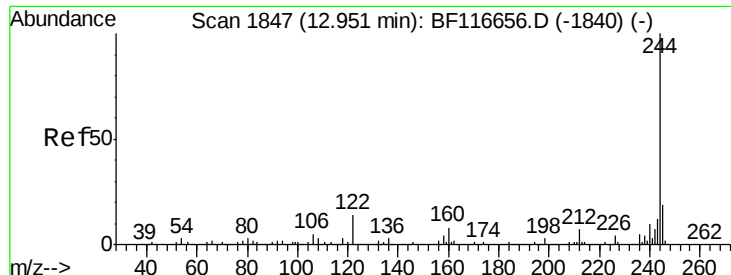
200 21.5 16.5 24.7

203 17.5 13.7 20.5



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

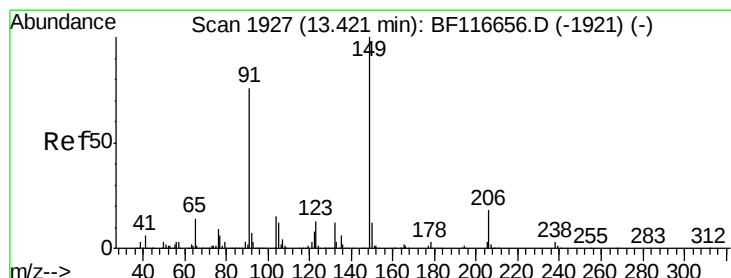
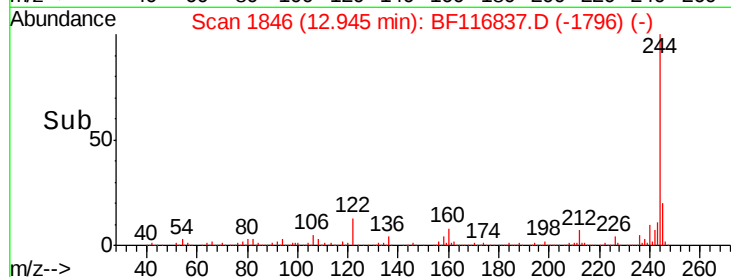
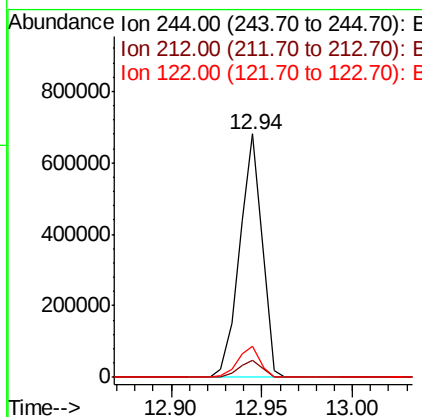
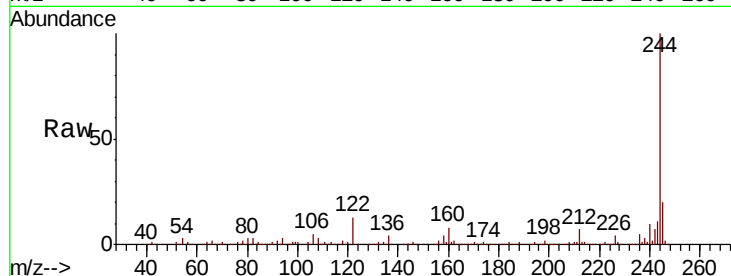




#79
 Terphenyl-d14
 Concen: 48.075 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

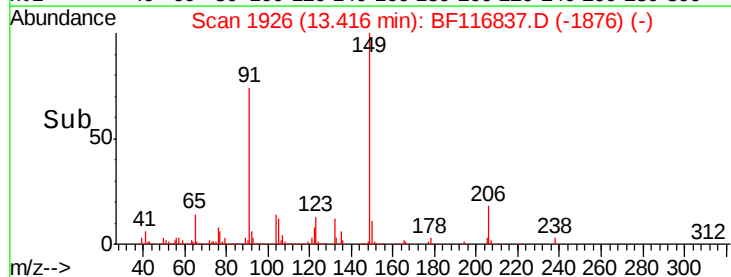
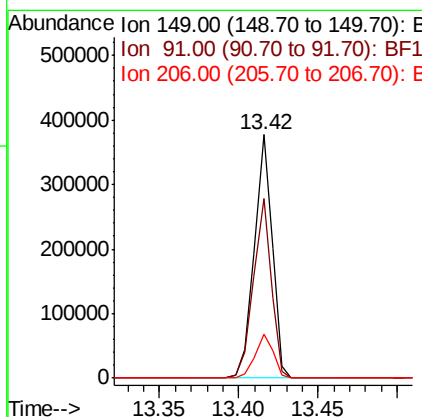
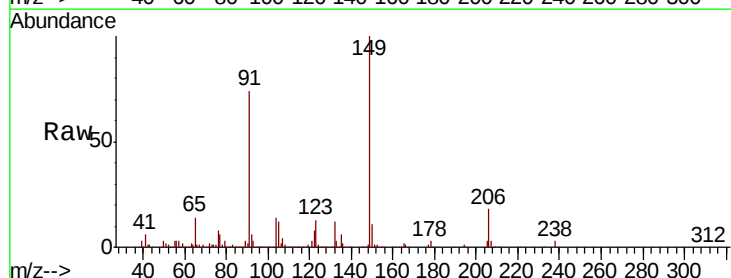
Instrument :
 BNA_F
 ClientSampleId :

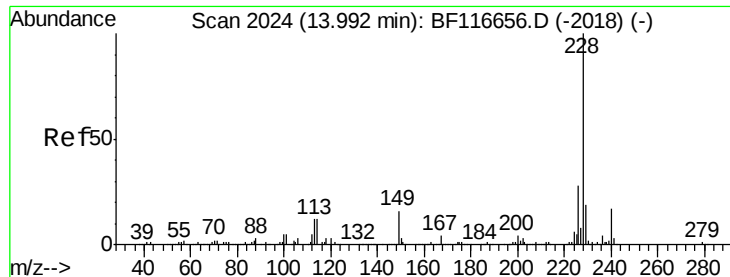
Tot Ion:244 Resp: 581640
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.9 10.2 15.4



#80
 Butylbenzylphthalate
 Concen: 30.638 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BF116837.D
 Acq: 5 Sep 2019 14:54

Tgt Ion:149 Resp: 296434
 Ion Ratio Lower Upper
 149 100
 91 73.7 61.0 91.4
 206 18.1 14.8 22.2

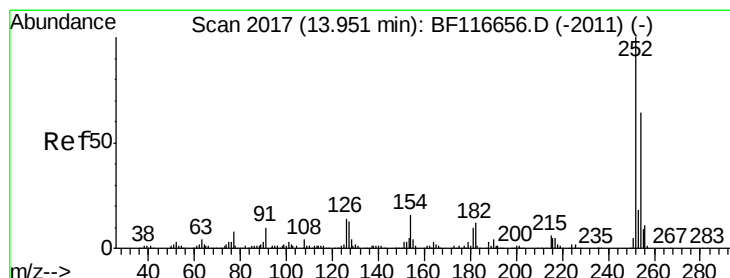
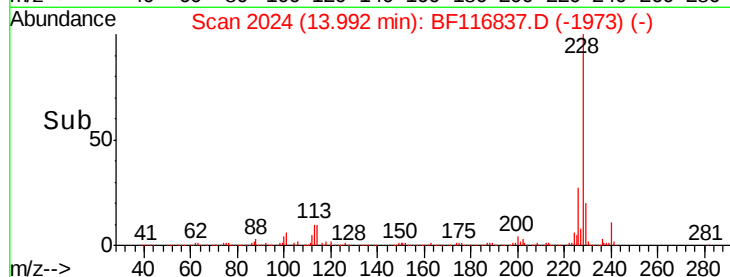
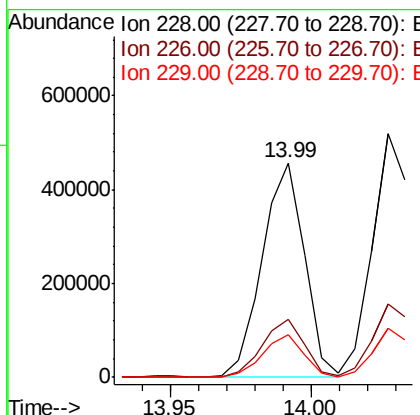
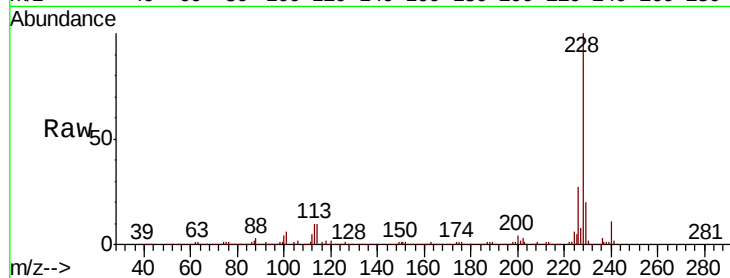




#81
Benzo(a)anthracene
Concen: 33.544 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

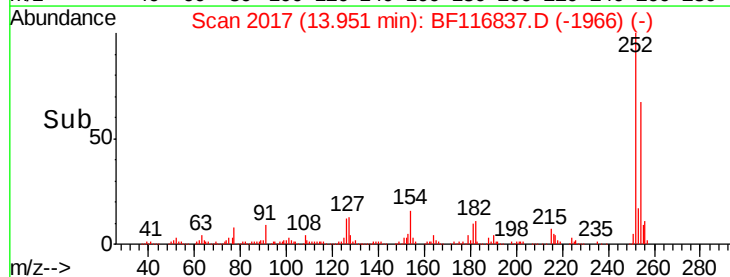
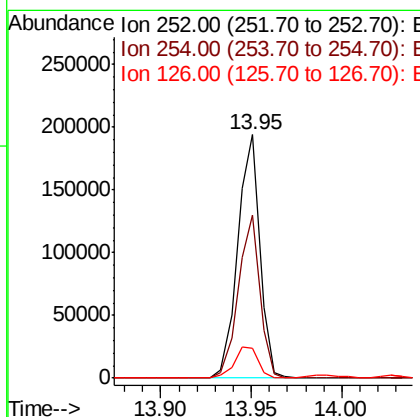
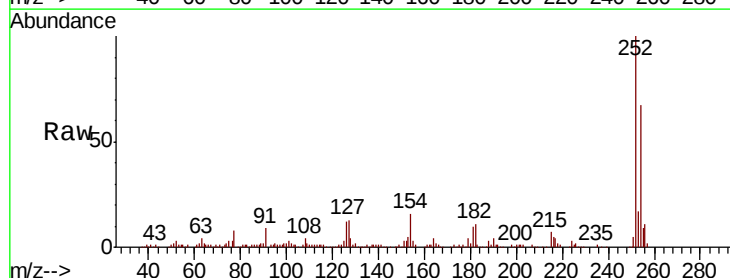
Instrument :
BNA_F
ClientSampleId :

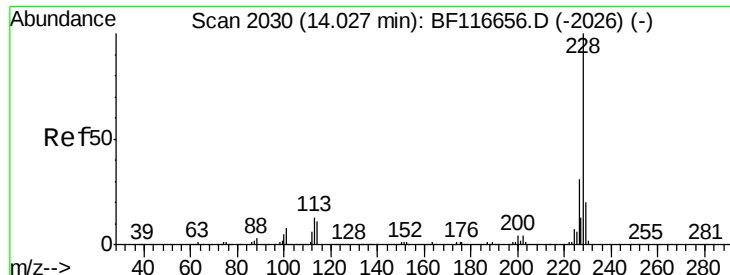
Tot Ion:228 Resp: 475166
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 19.7 16.4 24.6



#82
3,3'-Dichlorobenzidine
Concen: 34.345 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:252 Resp: 164412
Ion Ratio Lower Upper
252 100
254 67.0 50.1 75.1
126 12.3 10.6 16.0

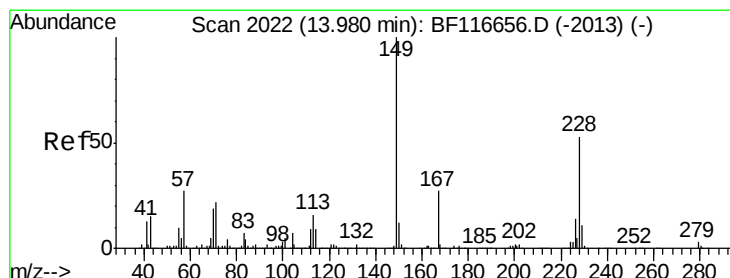
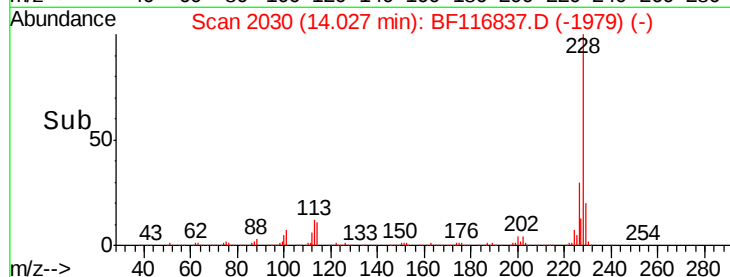
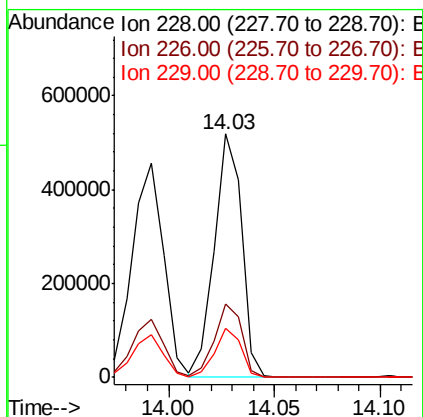
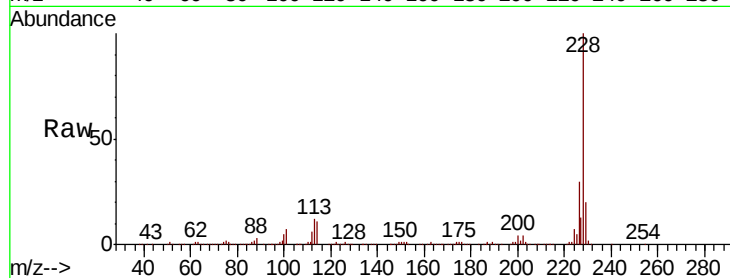




#83
Chrysene
Concen: 32.031 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

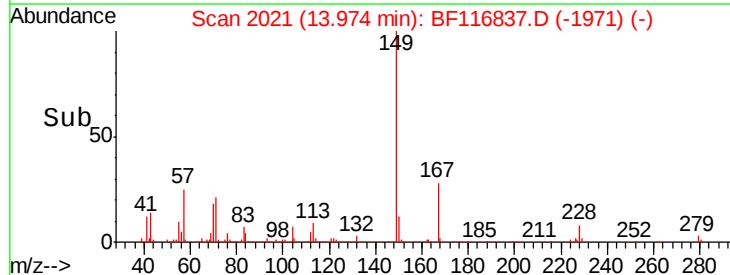
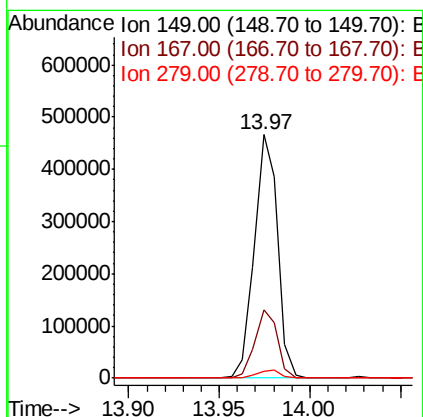
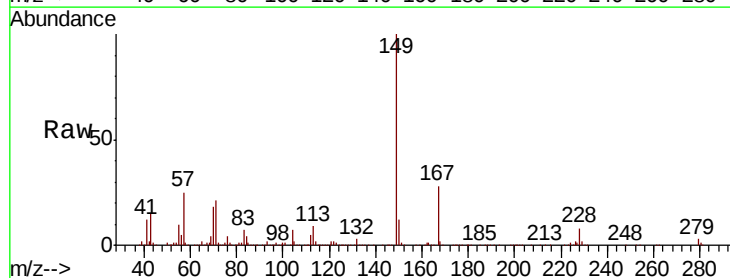
Instrument :
BNA_F
ClientSampleId :

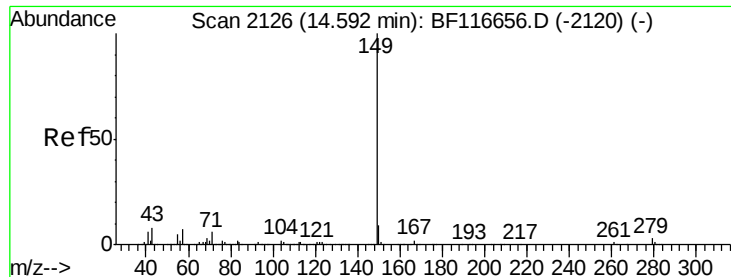
Tot Ion:228 Resp: 467448
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 20.0 15.4 23.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 34.705 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion:149 Resp: 414496
Ion Ratio Lower Upper
149 100
167 28.0 21.0 31.4
279 3.0 2.8 4.2





#85

Di-n-octyl phthalate

Concen: 34.237 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

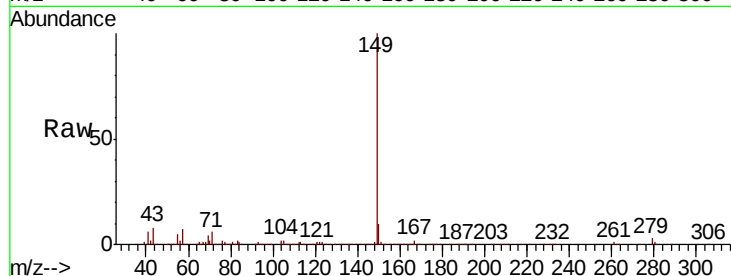
Tot Ion:149 Resp: 669157

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

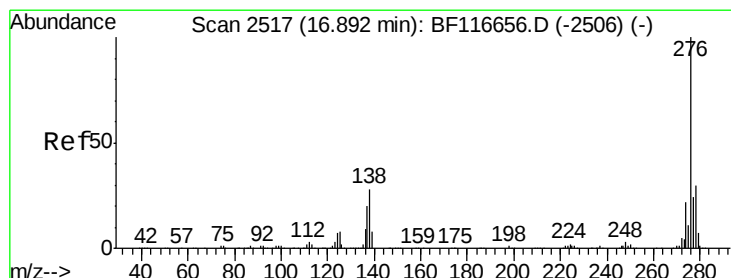
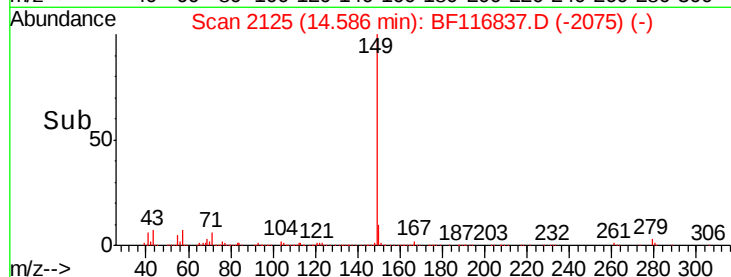
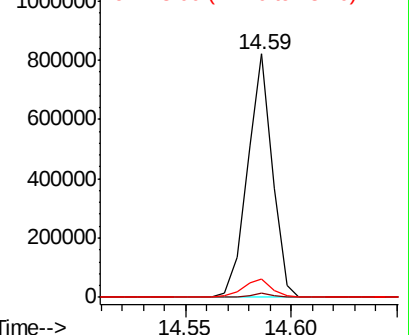
43 8.0 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 29.045 ng

RT: 16.92 min Scan# 2521

Delta R.T. 0.02 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

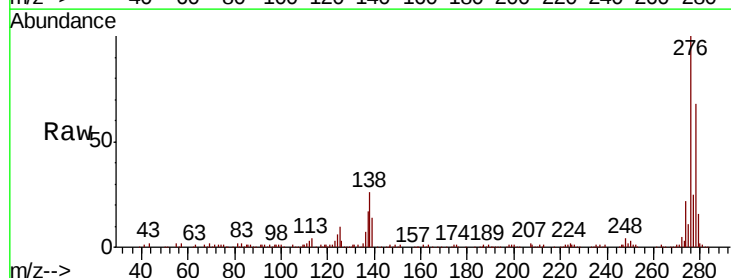
Tgt Ion:276 Resp: 340468

Ion Ratio Lower Upper

276 100

138 26.8 19.4 29.2

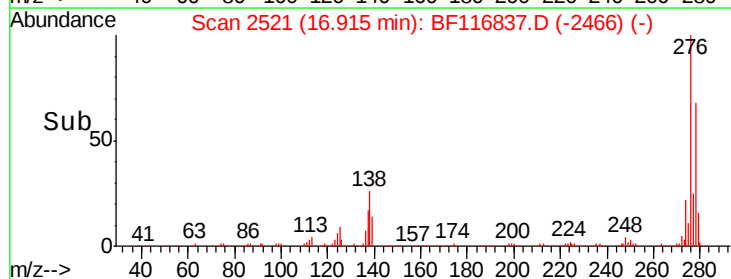
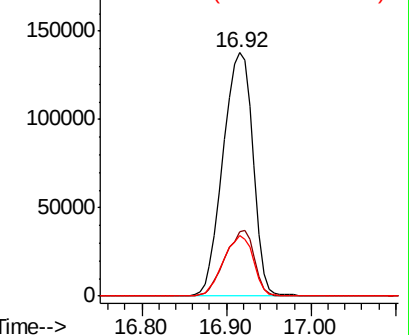
277 24.9 20.5 30.7

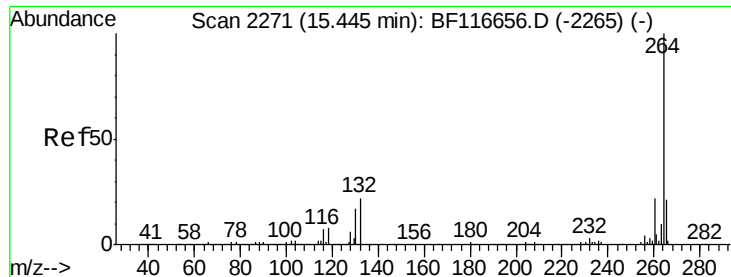


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

Instrument :

BNA_F

ClientSampleId :

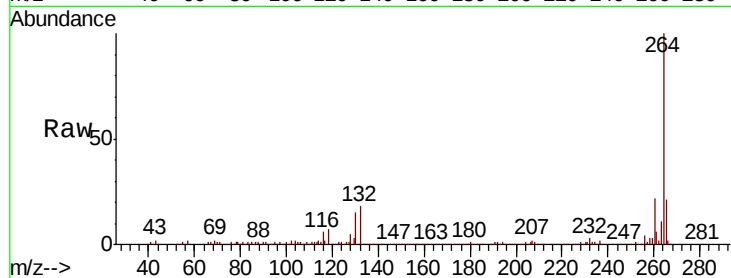
Tot Ion:264 Resp: 218631

Ion Ratio Lower Upper

264 100

260 22.0 18.3 27.5

265 21.2 16.5 24.7

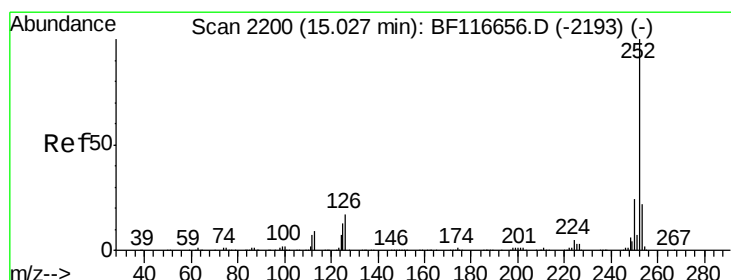
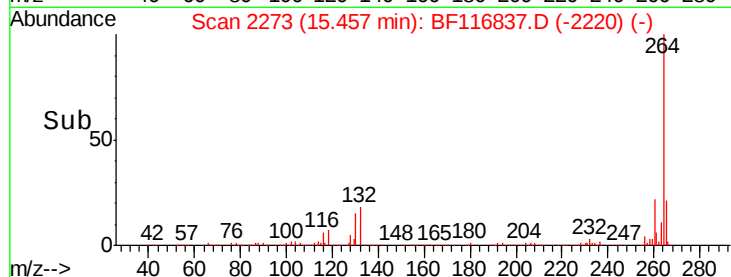
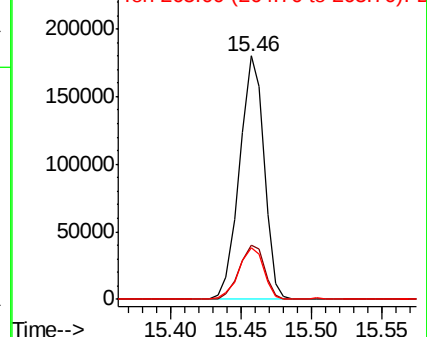


Abundance

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: 34.036 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116837.D

Acq: 5 Sep 2019 14:54

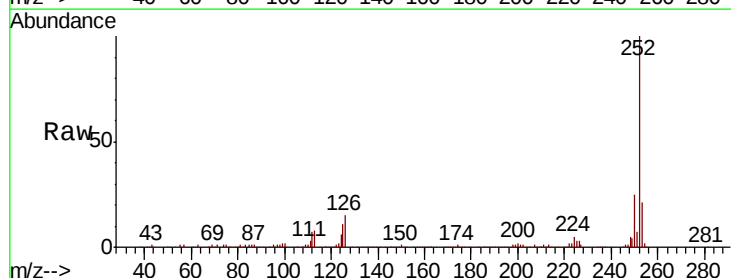
Tgt Ion:252 Resp: 449892

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 11.3 8.2 12.2

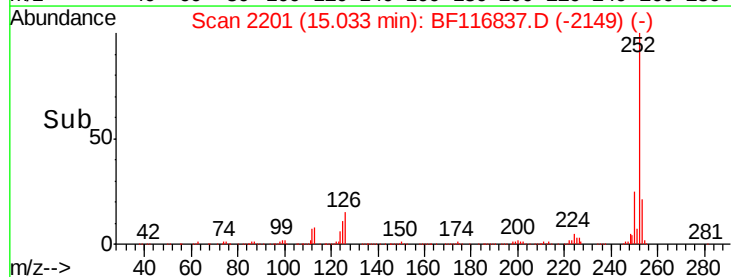
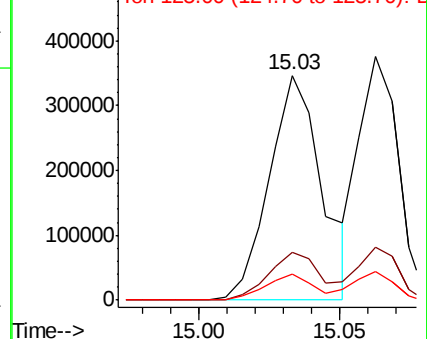


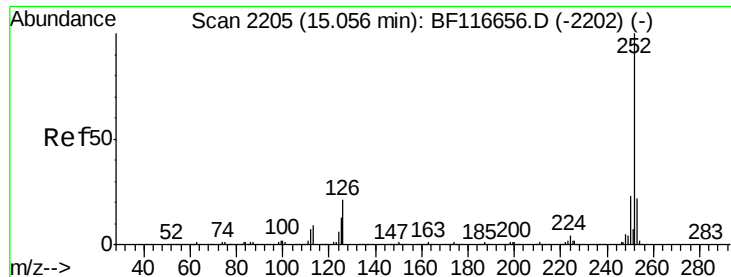
Abundance

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

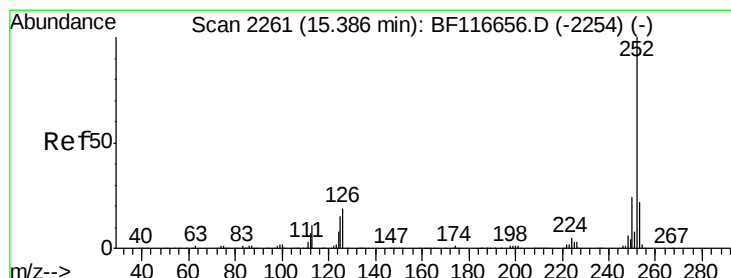
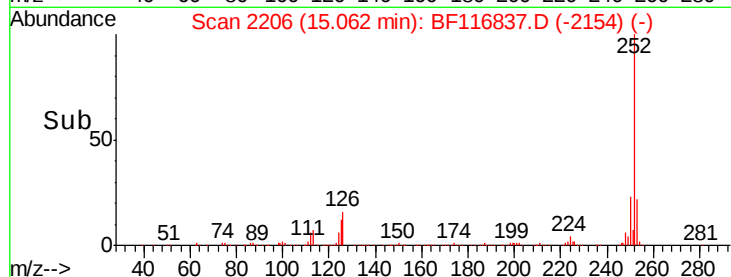
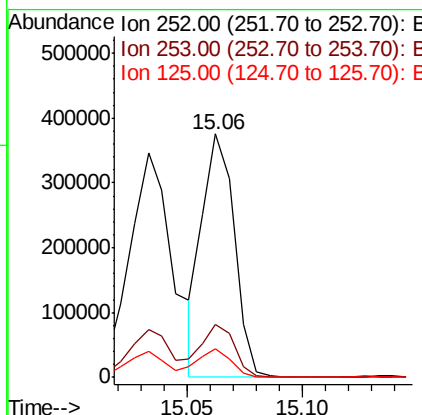
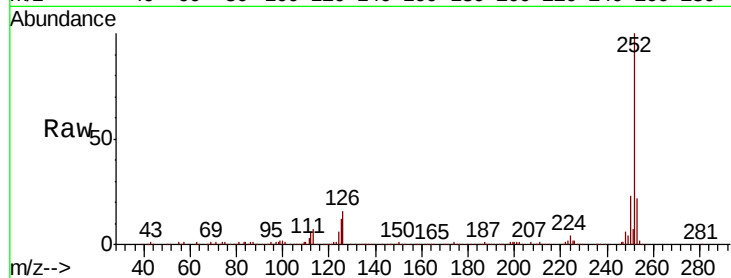




#89
Benzo(k)fluoranthene
Concen: 30.035 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

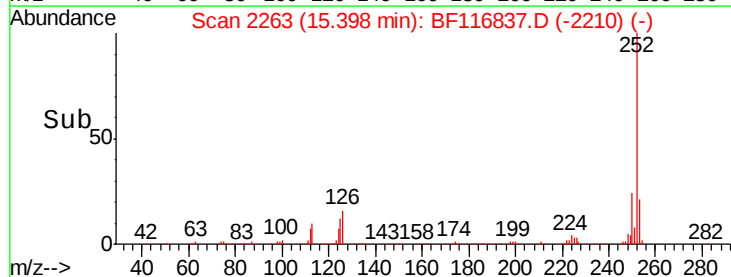
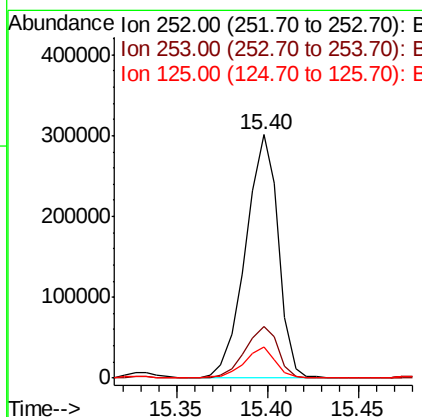
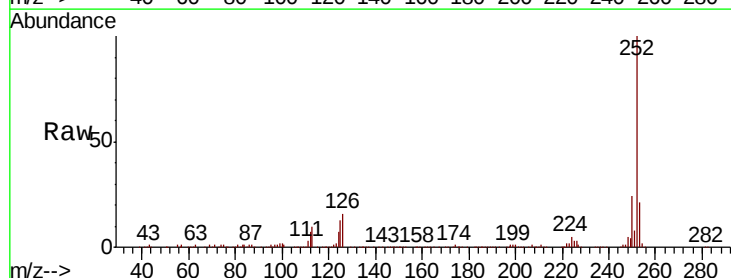
Instrument :
BNA_F
ClientSampleId :

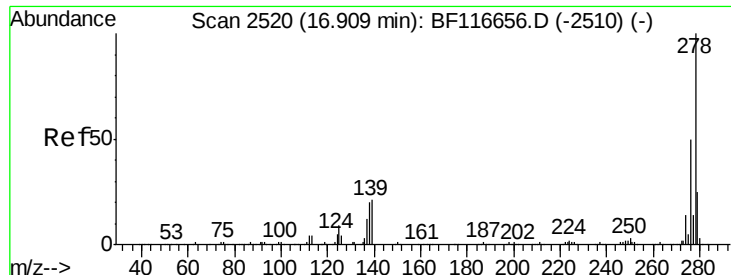
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	12.0	8.6	13.0



#90
Benzo(a)pyrene
Concen: 32.703 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	12.7	9.8	14.8

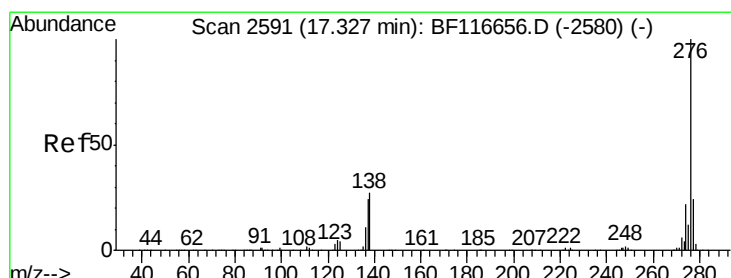
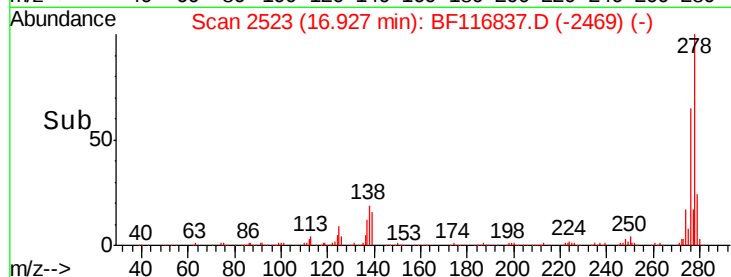
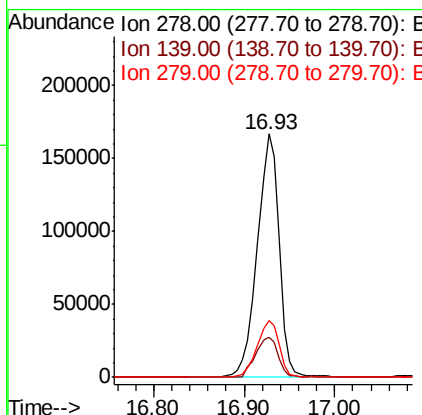
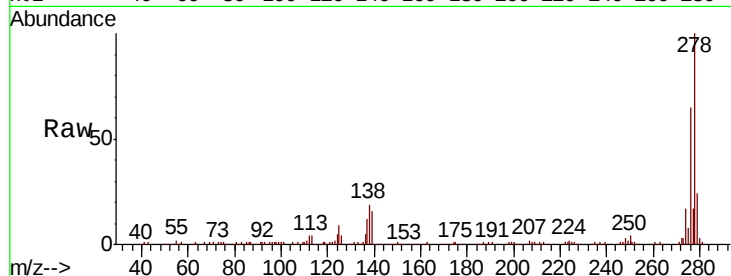




#91
Dibenzo(a,h)anthracene
Concen: 27.999 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.4	18.6
279	23.5	18.2	27.4



#92
Benzo(g,h,i)perylene
Concen: 25.600 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.03 min
Lab File: BF116837.D
Acq: 5 Sep 2019 14:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.5	27.7
138	22.5	16.2	24.2

