

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111735.D
 Acq On : 27 Dec 2018 1:07
 Operator : JU/SJ
 Sample : J6388-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 02:17:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	149963	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	494077	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	215756	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	384672	20.00	ng	0.01
76) Chrysene-d12	14.07	240	286331	20.00	ng	0.02
87) Perylene-d12	15.57	264	217086	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	889560	101.11	ng	0.03
7) Phenol-d6	6.55	99	1066100	95.22	ng	0.02
23) Nitrobenzene-d5	7.46	82	659236	77.67	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	268378	105.27	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1167637	78.88	ng	0.00
79) Terphenyl-d14	13.02	244	1083152	71.74	ng	0.02

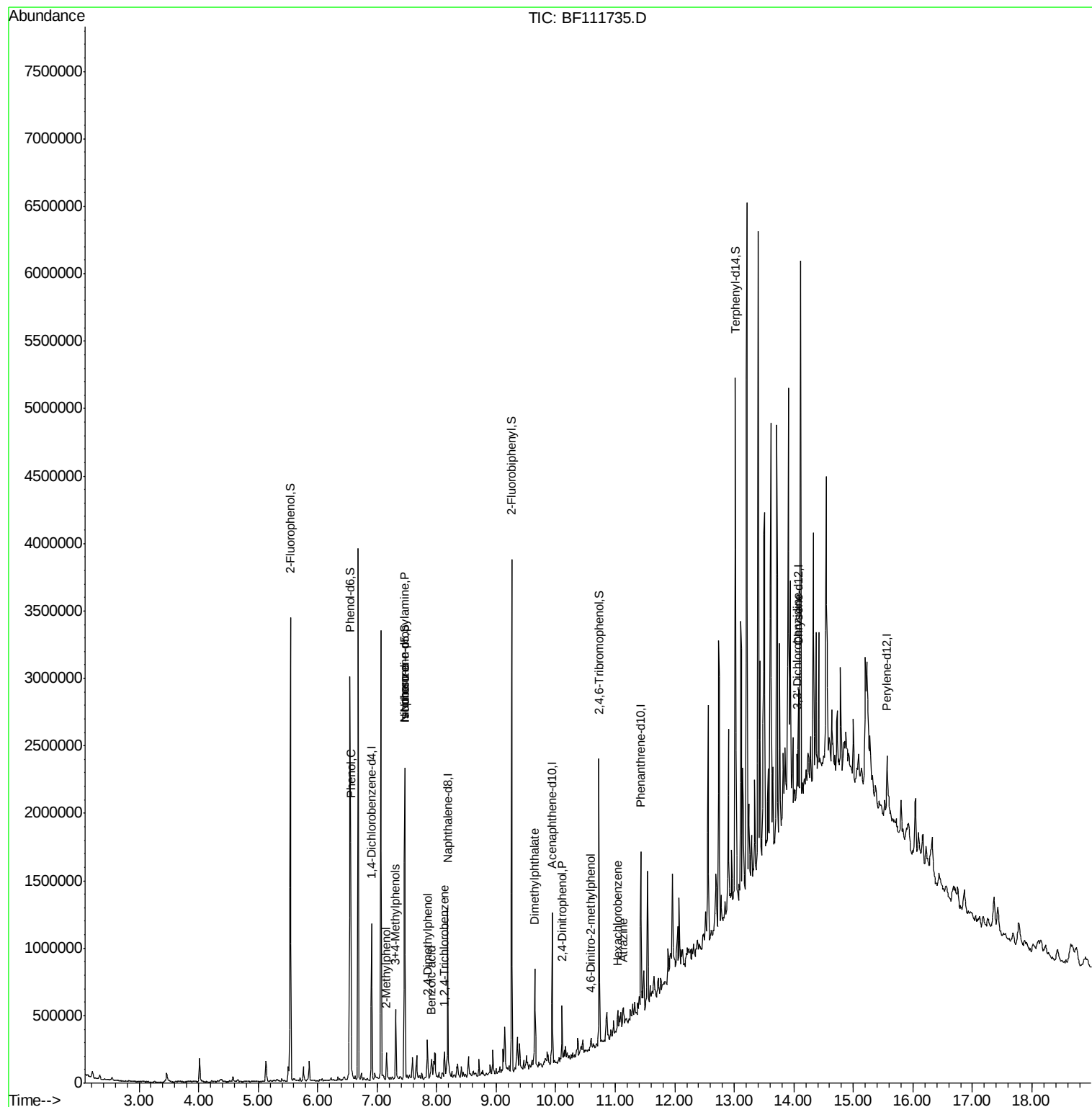
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	408208	32.312	ng	99
17) 2-Methylphenol	7.16	107	29154	3.736	ng	# 94
19) n-Nitroso-di-n-propylamine	7.46	70	90078	12.114	ng	# 77
20) 3+4-Methylphenols	7.31	107	129925	13.176	ng	# 62
25) Isophorone	7.46	82	655922	43.528	ng	# 64
27) 2,4-Dimethylphenol	7.84	122	49464	6.955	ng	93
30) 1,2,4-Trichlorobenzene	8.13	180	23051	2.704	ng	96
32) Benzoic acid	7.92	122	33237	7.068	ng	95
50) Dimethylphthalate	9.65	163	143665	9.106	ng	99
54) 2,4-Dinitrophenol	10.10	184	119	7.414	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.59	198	118	6.757	ng	# 1
68) Hexachlorobenzene	11.04	284	17811	3.348	ng	94
69) Atrazine	11.13	200	14775	3.294	ng	# 52
82) 3,3'-Dichlorobenzidine	14.05	252	13674	2.118	ng	# 69

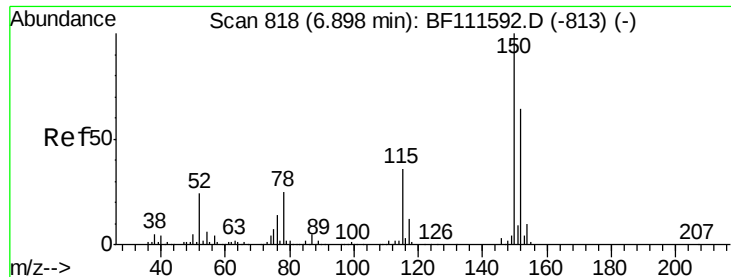
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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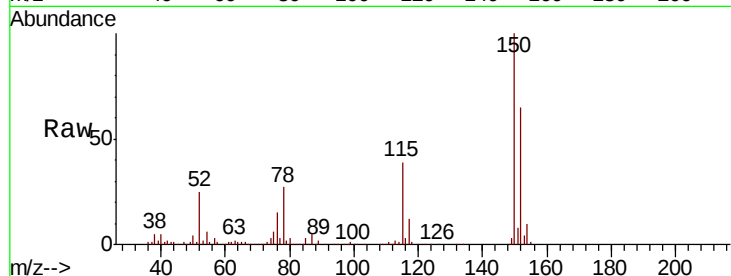


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	61.0	50.7	76.1

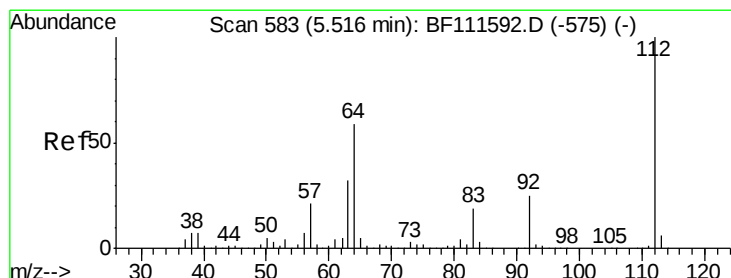
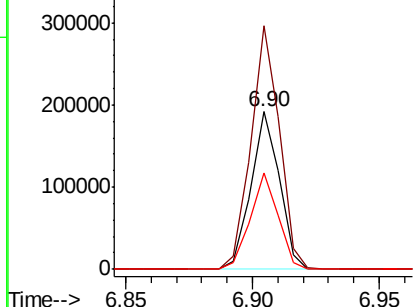
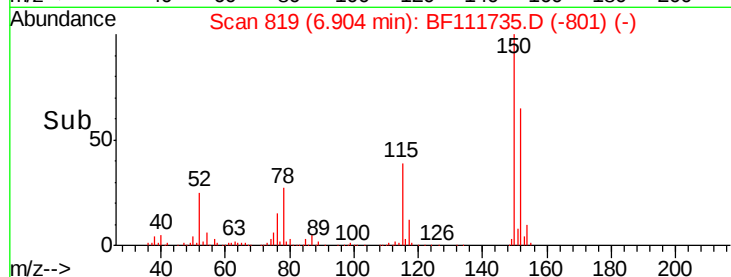


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

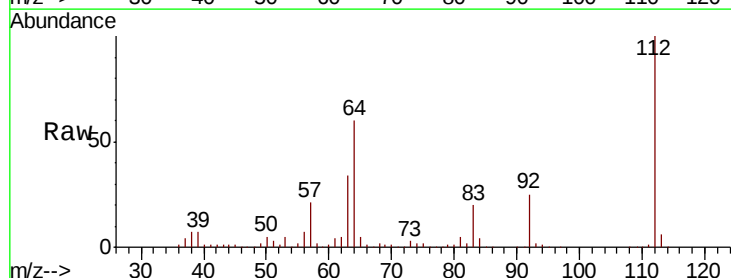
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.111 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.03 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.8	77.6
63	33.9	26.8	40.2

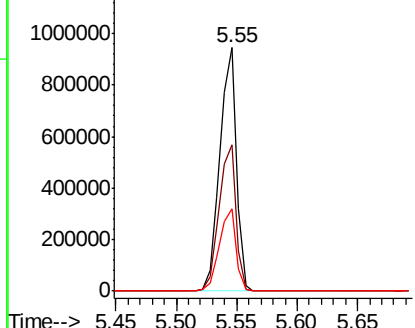
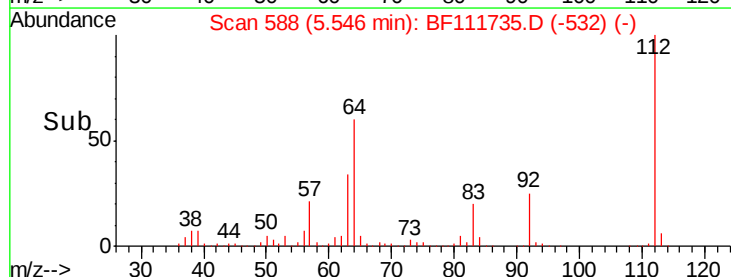


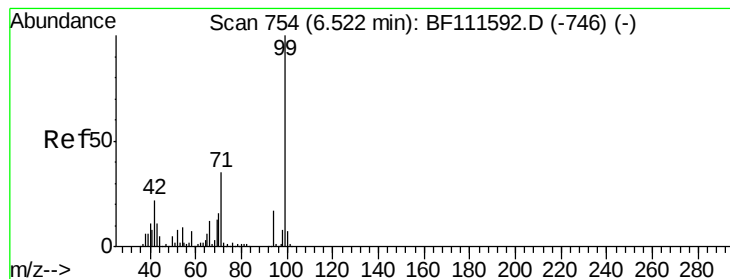
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.216 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

Instrument :

BNA_F

ClientSampleId :

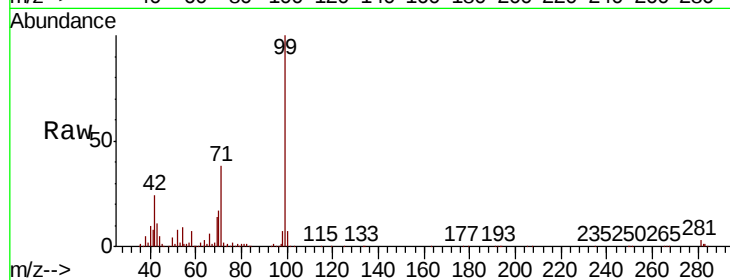
Tot Ion: 99 Resp: 1066100

Ion Ratio Lower Upper

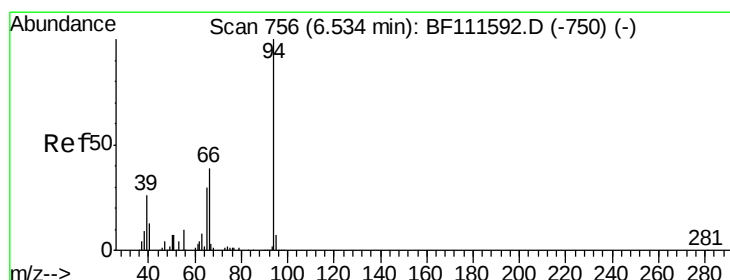
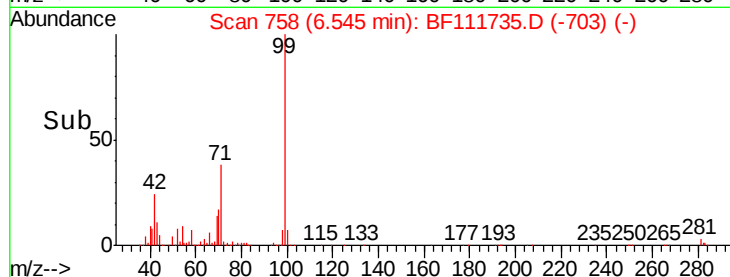
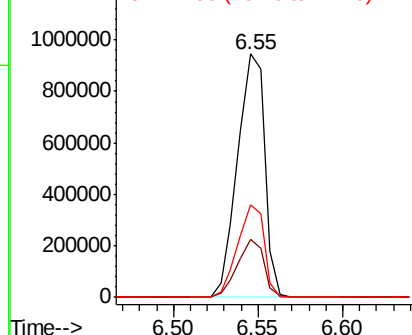
99 100

42 23.7 17.4 26.0

71 37.8 26.1 39.1



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



#10

Phenol

Concen: 32.312 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

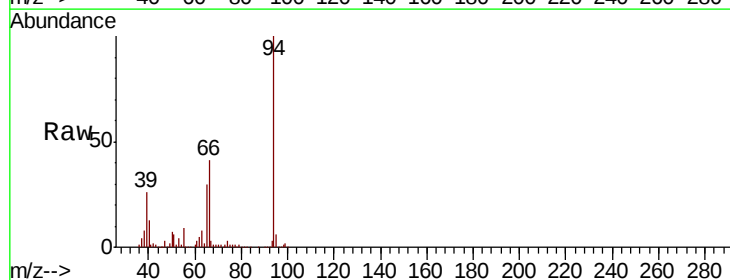
Tgt Ion: 94 Resp: 408208

Ion Ratio Lower Upper

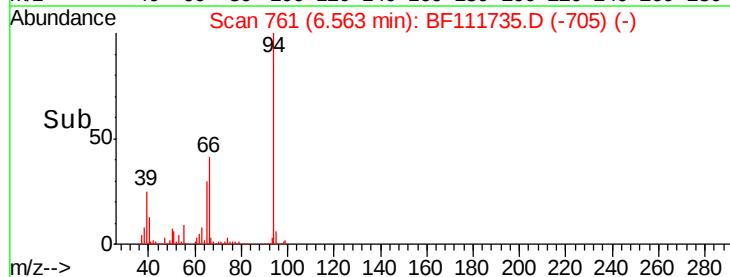
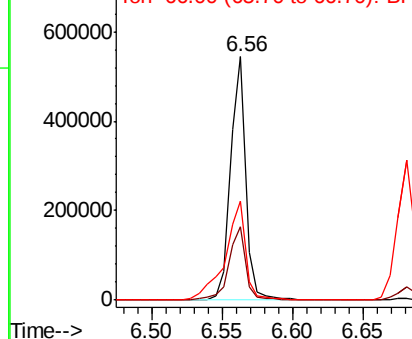
94 100

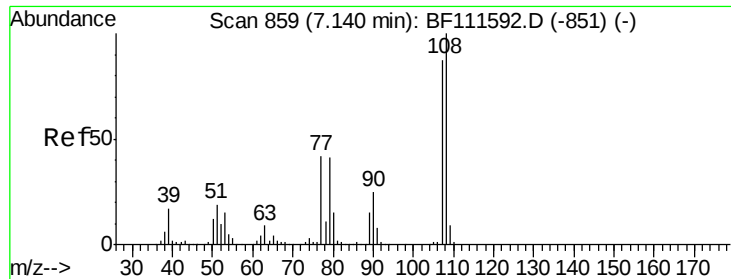
65 30.2 11.7 51.7

66 40.8 21.0 61.0



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

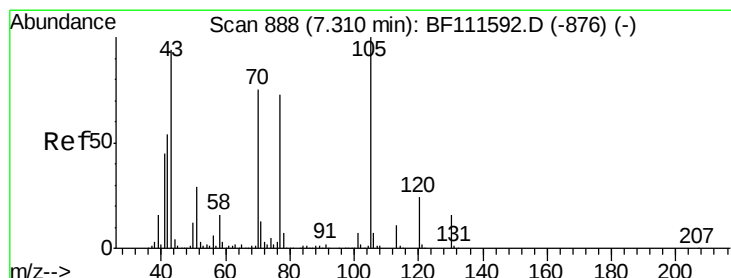
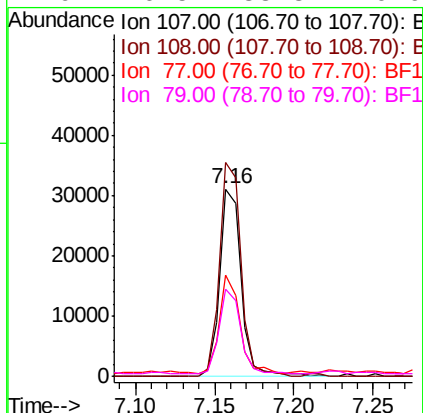
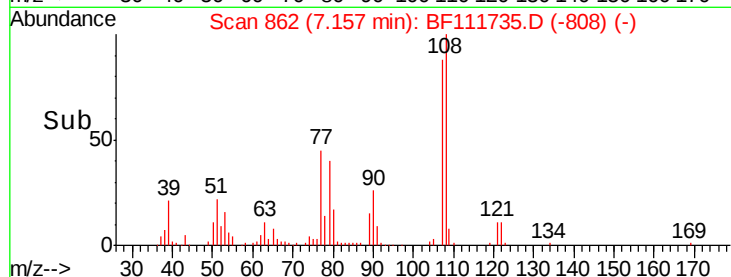
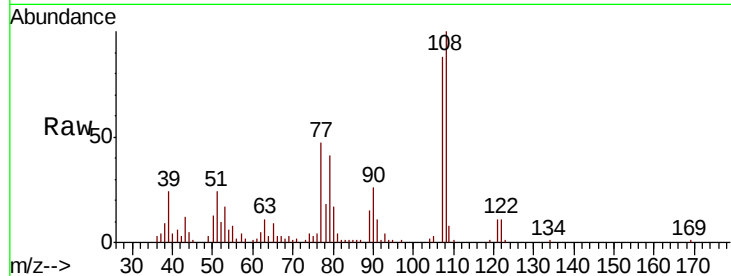




#17
2-Methylphenol
Concen: 3.736 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.02 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

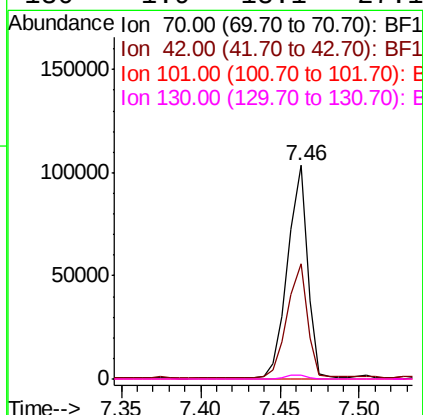
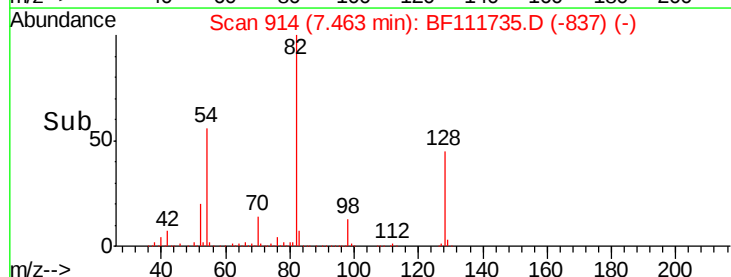
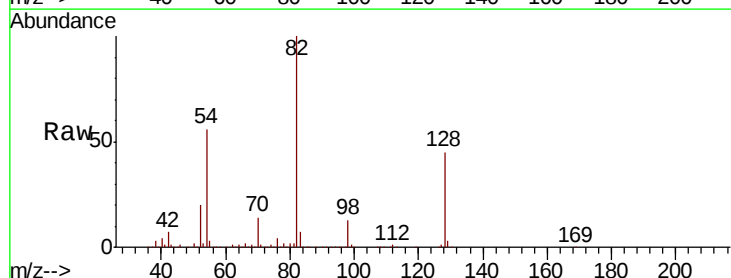
Instrument :
BNA_F
ClientSampleId :

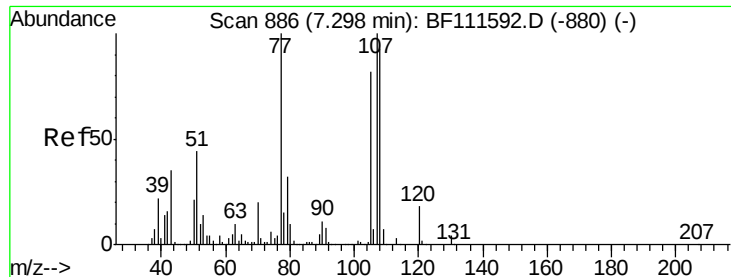
Tot Ion: 107 Resp: 29154
Ion Ratio Lower Upper
107 100
108 114.2 91.0 136.4
77 53.8 33.5 50.3#
79 46.5 33.3 49.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.114 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion: 70 Resp: 90078
Ion Ratio Lower Upper
70 100
42 54.0 53.2 79.8
101 0.0 8.2 12.4#
130 1.9 18.1 27.1#





#20

3+4-Methylphenols

Concen: 13.176 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.01 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 129925

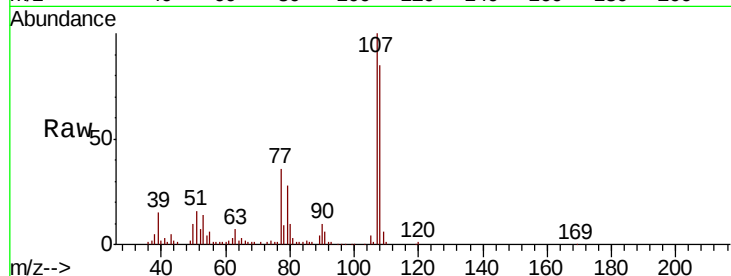
Ion Ratio Lower Upper

107 100

108 85.3 72.1 112.1

77 35.7 94.1 134.1#

79 28.2 9.8 49.8

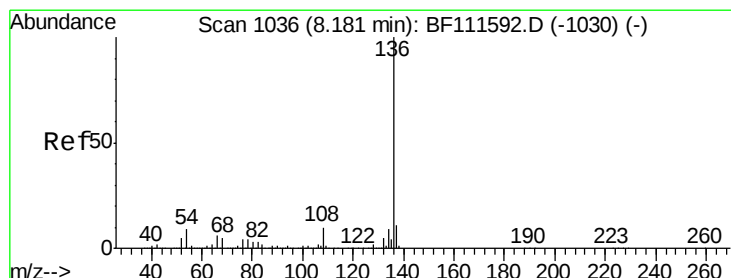
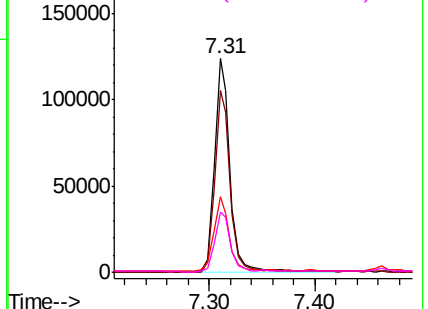
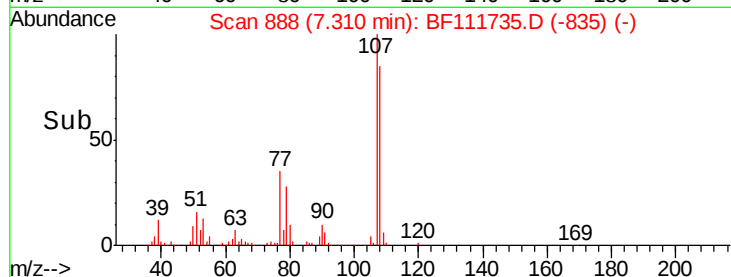


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

Tgt Ion:136 Resp: 494077

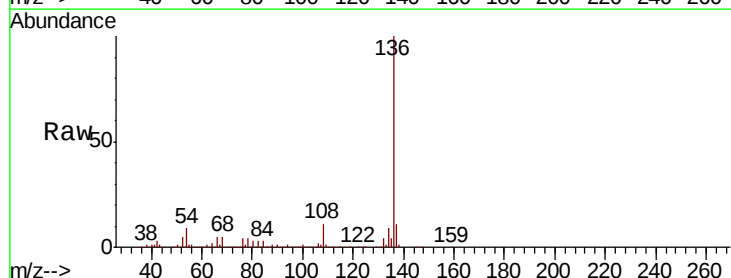
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.1 7.7 11.5

68 5.2 4.9 7.3

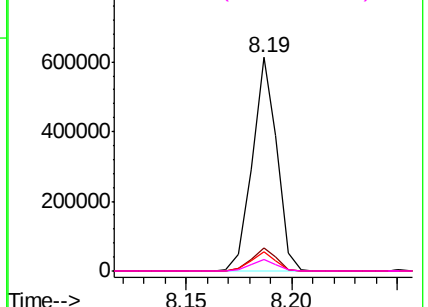
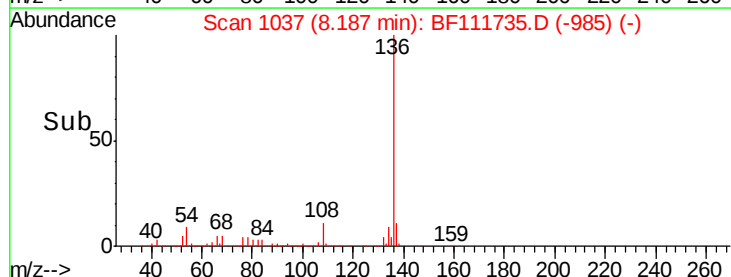


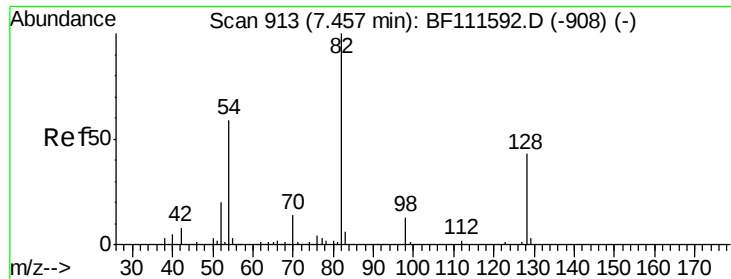
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

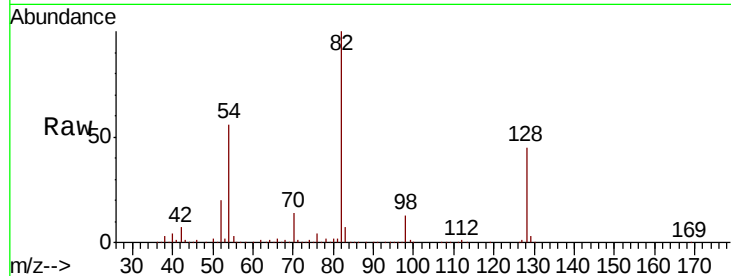




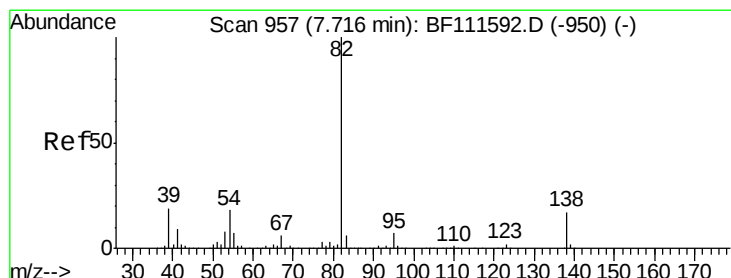
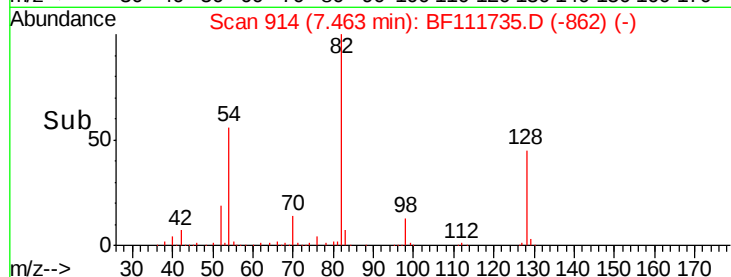
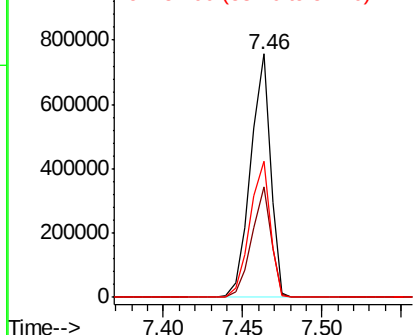
#23
Nitrobenzene-d5
Concen: 77.665 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	659236
Ion Ratio	Lower	Upper	
82	100		
128	45.4	37.4	56.2
54	56.1	47.6	71.4

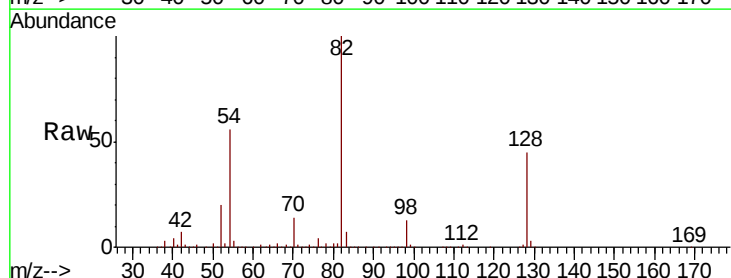


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

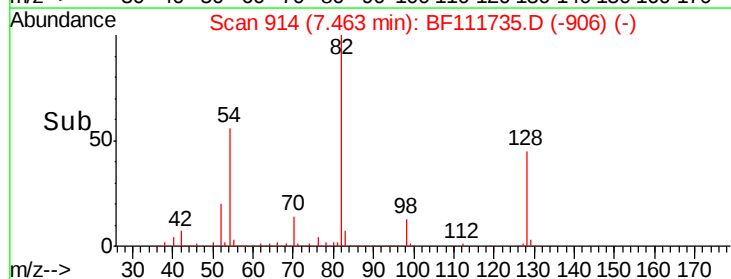
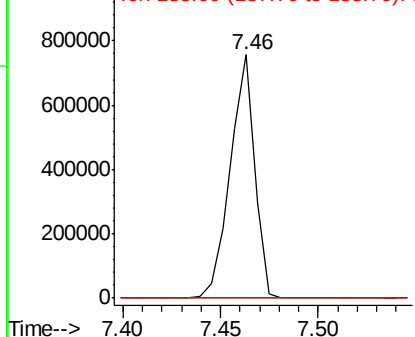


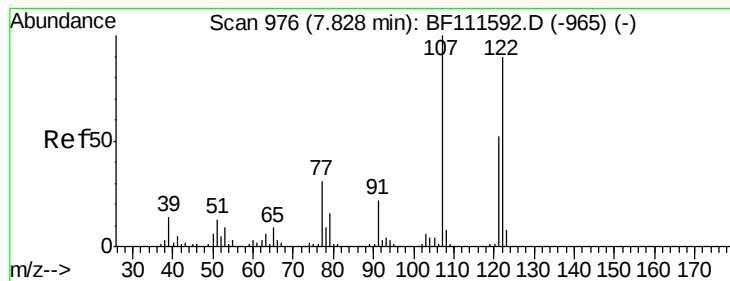
#25
Isophorone
Concen: 43.528 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion	82	Resp	655922
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.4	8.2#
138	0.0	15.1	22.7#



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





#27

2,4-Dimethylphenol

Concen: 6.955 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

Instrument :

BNA_F

ClientSampleId :

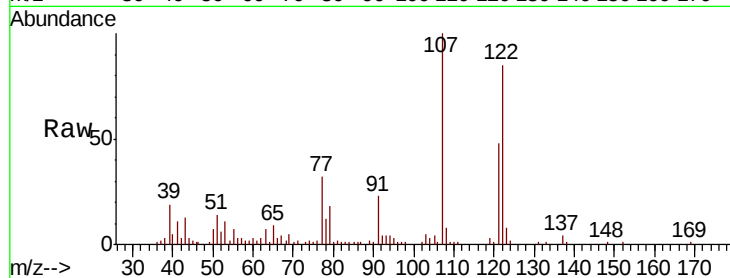
Tot Ion:122 Resp: 49464

Ion Ratio Lower Upper

122 100

107 117.5 85.5 128.3

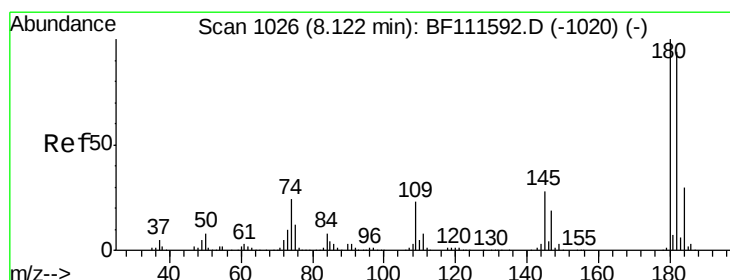
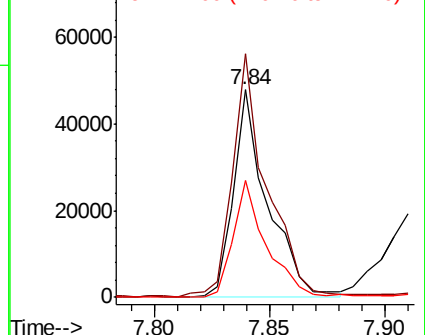
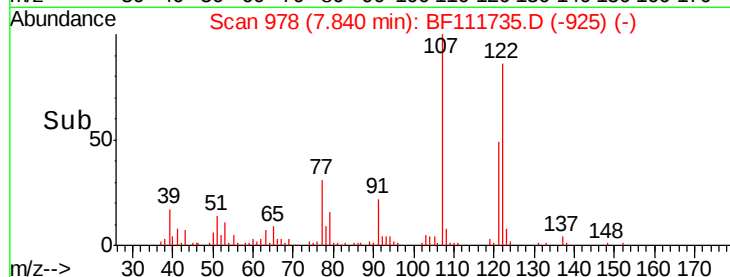
121 56.6 46.6 70.0



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



#30

1,2,4-Trichlorobenzene

Concen: 2.704 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

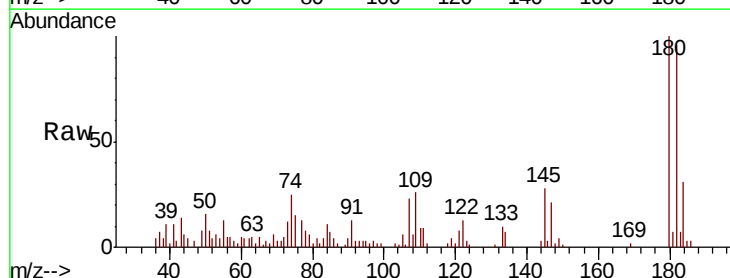
Tgt Ion:180 Resp: 23051

Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

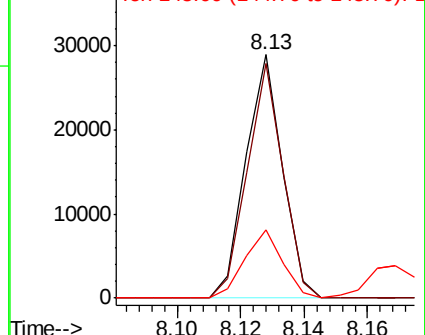
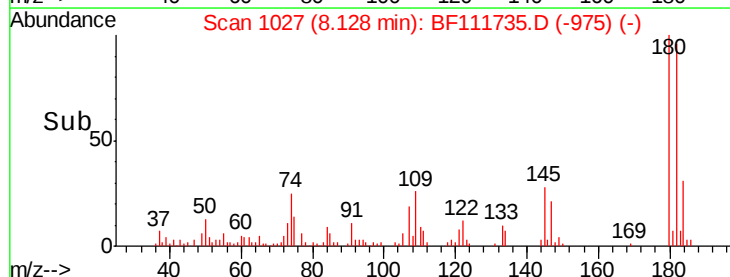
145 28.1 26.7 40.1

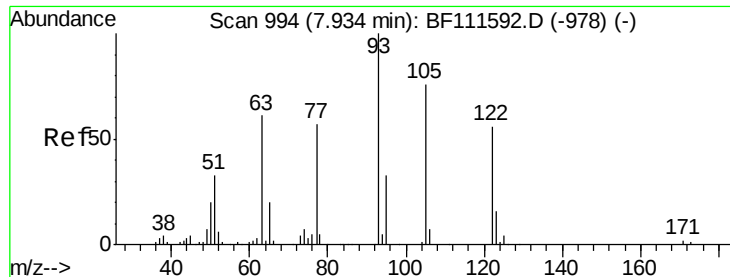


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

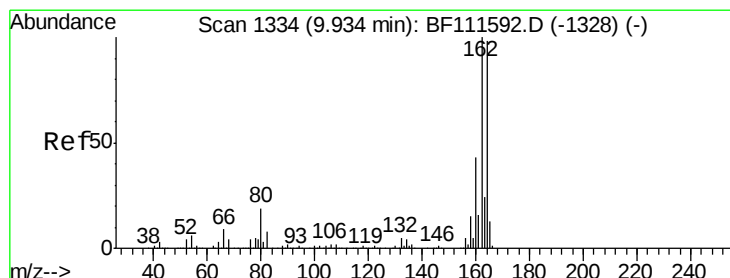
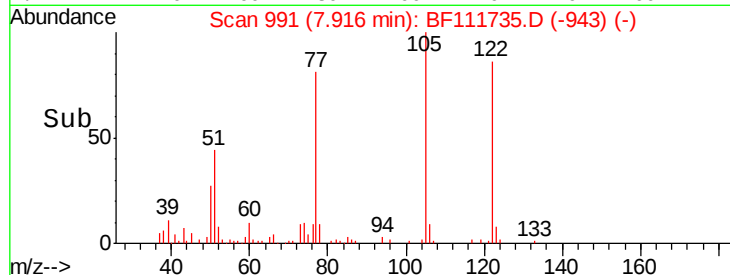
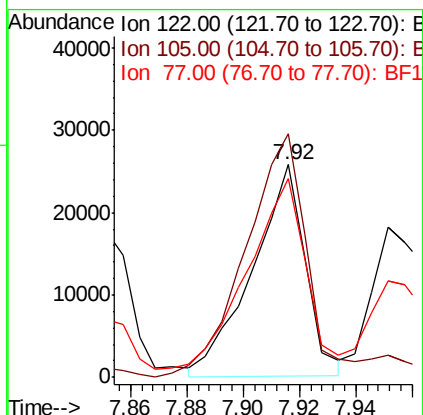
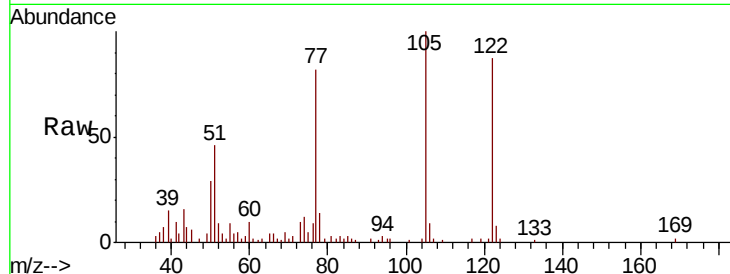




#32
Benzoic acid
Concen: 7.068 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

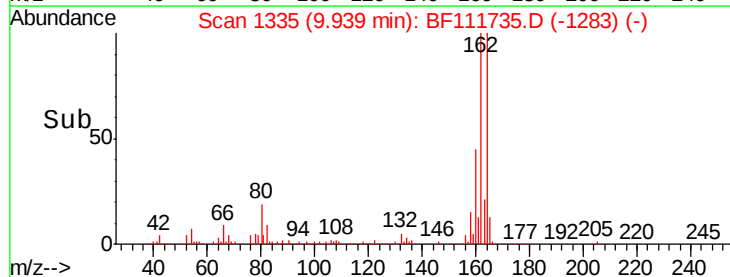
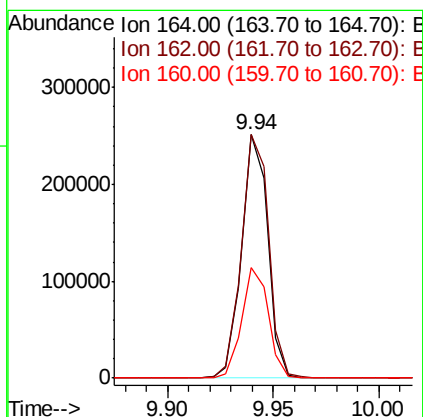
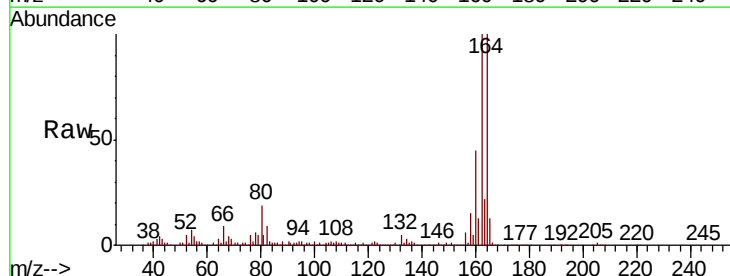
Instrument :
BNA_F
ClientSampleId :

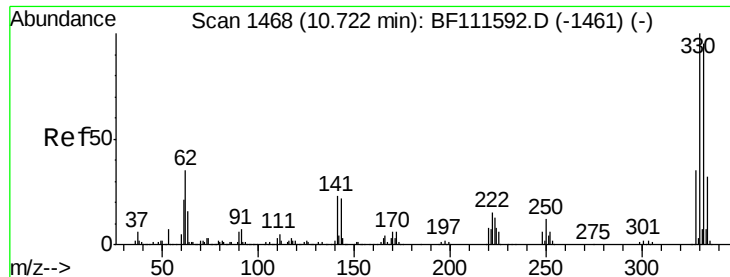
Tot Ion	Ratio	Lower	Upper
122	100		
105	114.4	97.0	137.0
77	93.5	65.7	105.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.4	122.0
160	45.3	35.7	53.5

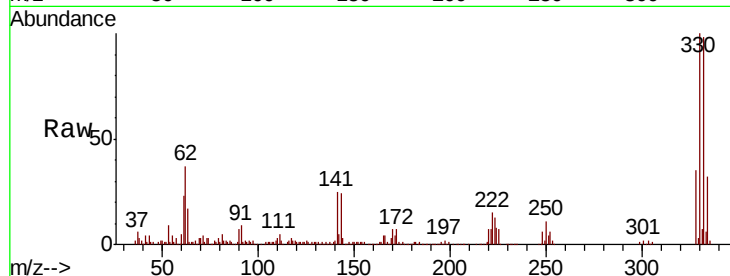




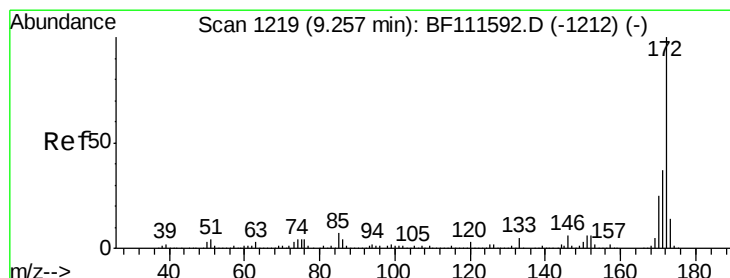
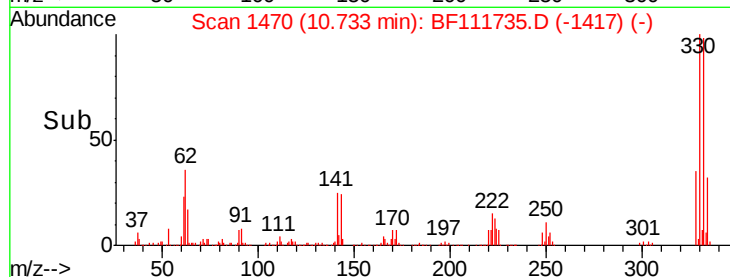
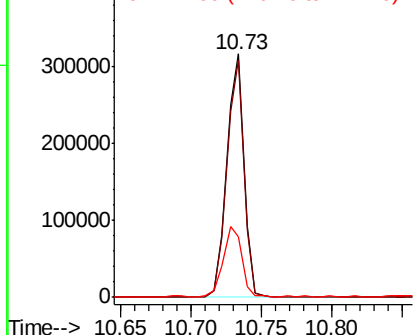
#42
 2,4,6-Tribromophenol
 Concen: 105.274 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111735.D
 Acq: 27 Dec 2018 1:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 268378
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.0 114.0
 141 30.6 31.0 46.6#

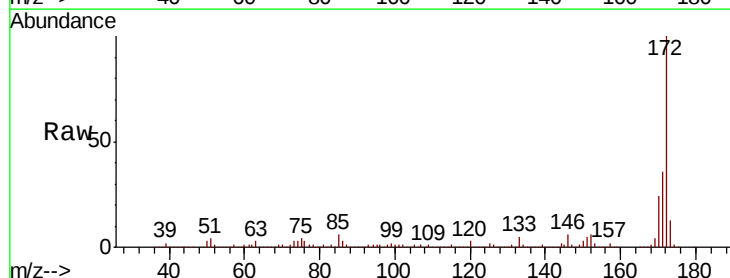


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

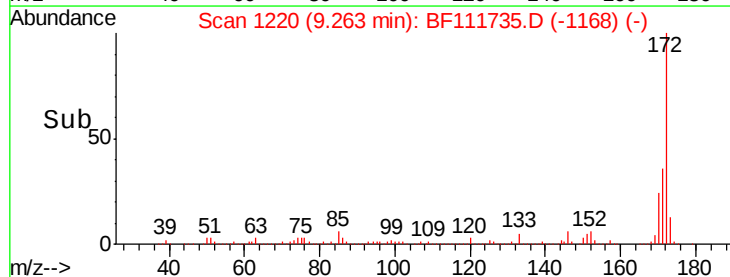
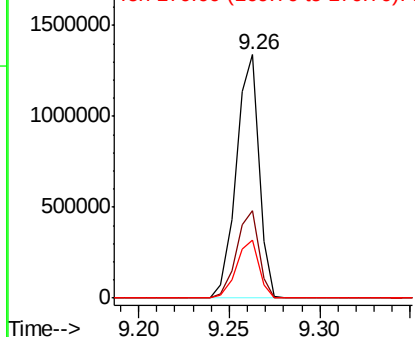


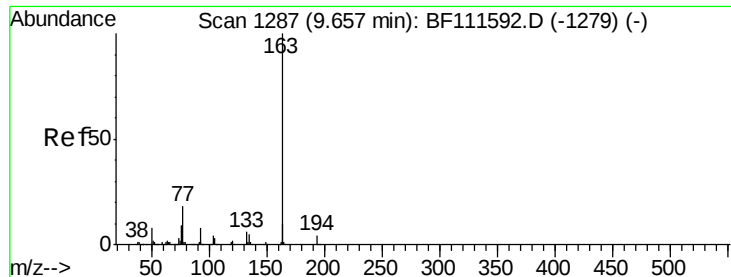
#45
 2-Fluorobiphenyl
 Concen: 78.882 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111735.D
 Acq: 27 Dec 2018 1:07

Tgt Ion:172 Resp: 1167637
 Ion Ratio Lower Upper
 172 100
 171 36.1 33.0 49.4
 170 23.8 22.3 33.5



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

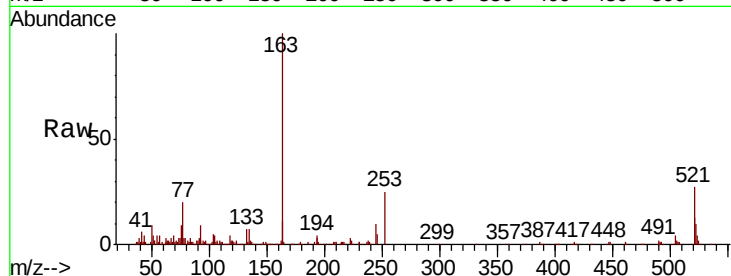




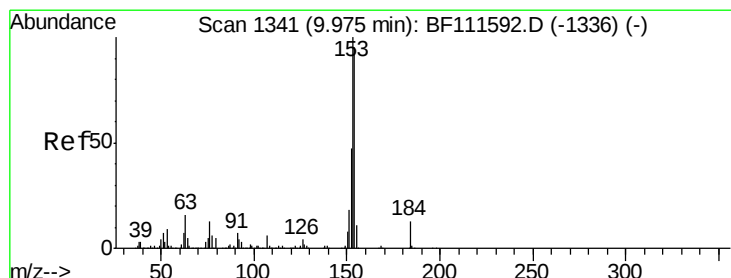
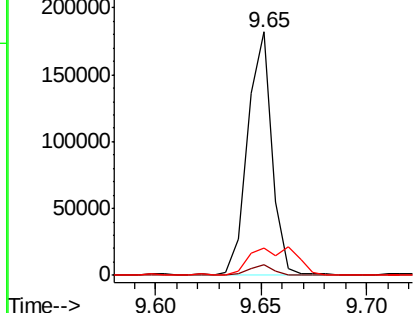
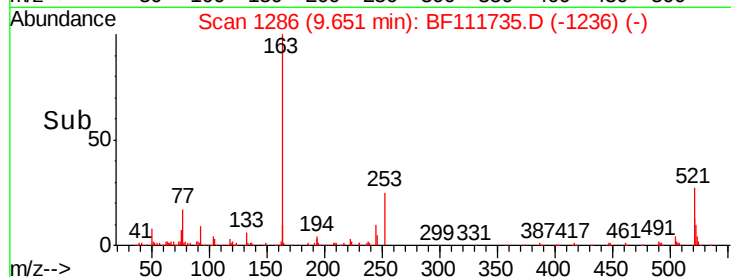
#50
Dimethylphthalate
Concen: 9.106 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	11.4	8.9	13.3

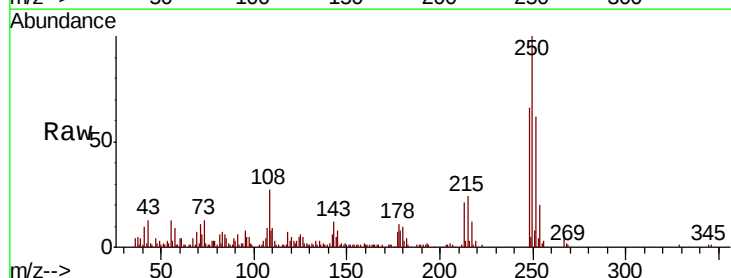


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

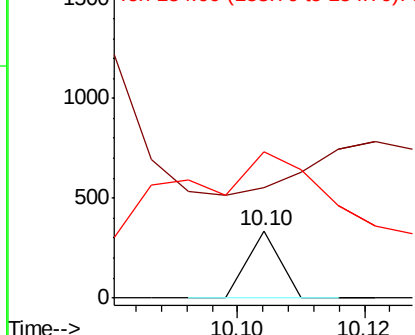
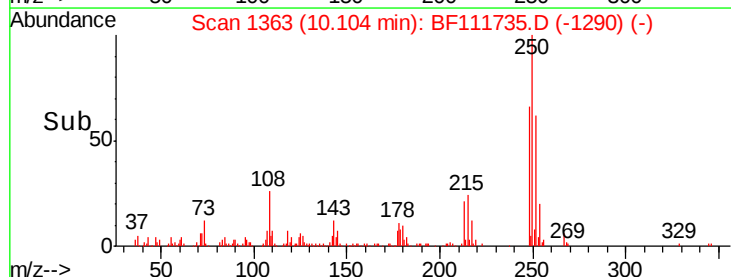


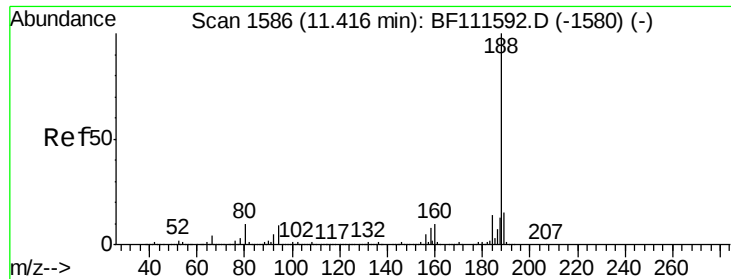
#54
2,4-Dinitrophenol
Concen: 7.414 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.13 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	164.0	62.3	93.5#
154	218.8	56.2	84.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

Instrument :

BNA_F

ClientSampleId :

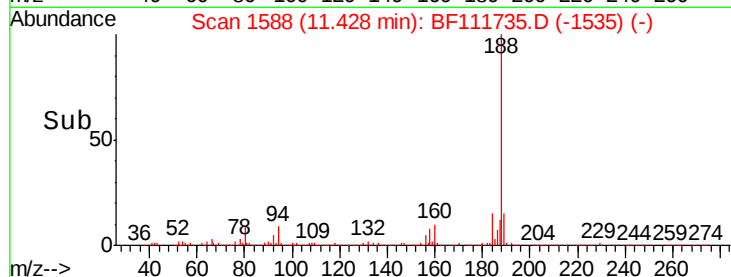
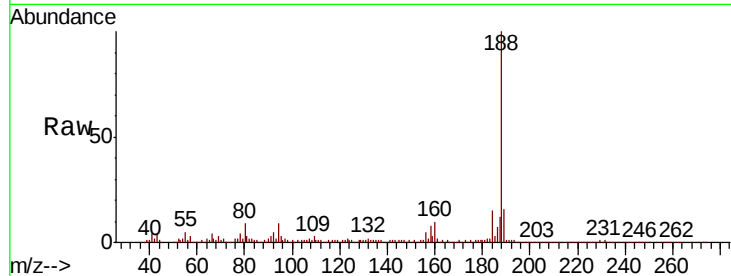
Tot Ion:188 Resp: 384672

Ion Ratio Lower Upper

188 100

94 9.0 9.6 14.4#

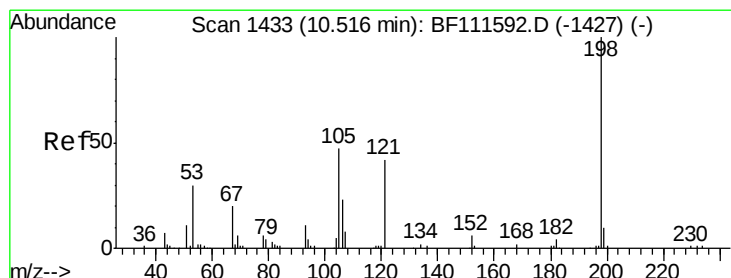
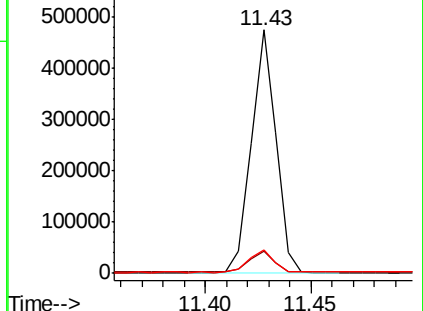
80 9.4 9.8 14.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.757 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.08 min

Lab File: BF111735.D

Acq: 27 Dec 2018 1:07

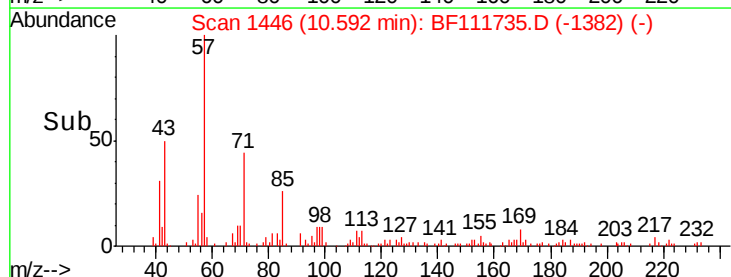
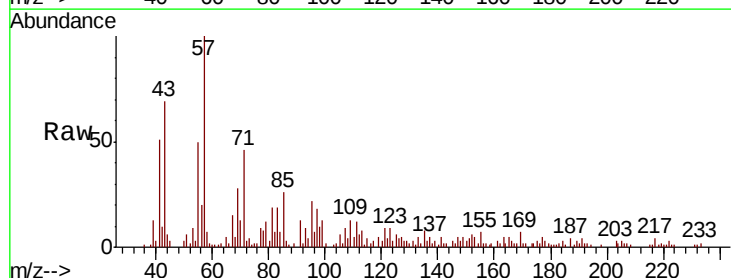
Tgt Ion:198 Resp: 118

Ion Ratio Lower Upper

198 100

51 590.4 48.0 88.0#

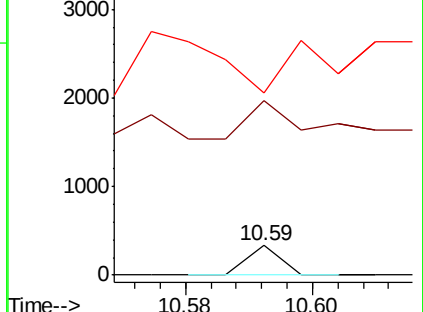
105 615.0 34.0 74.0#

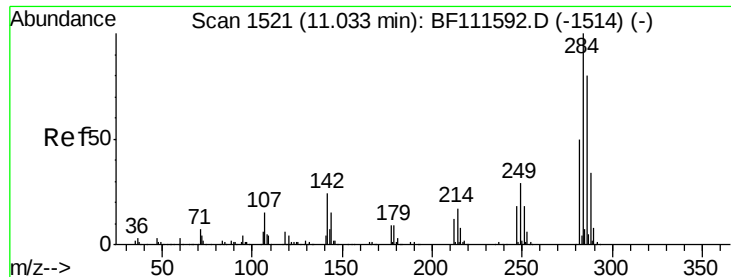


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

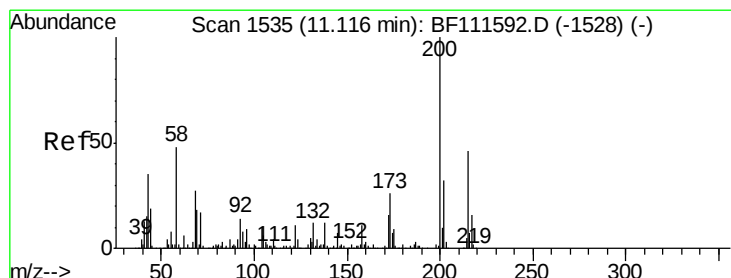
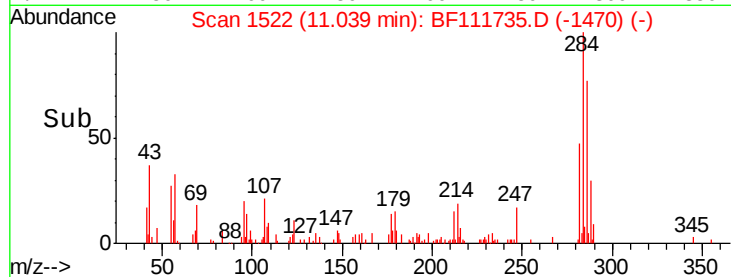
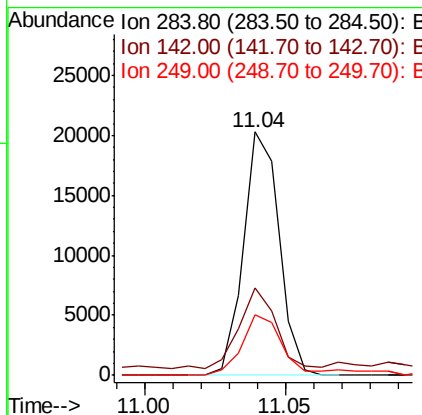
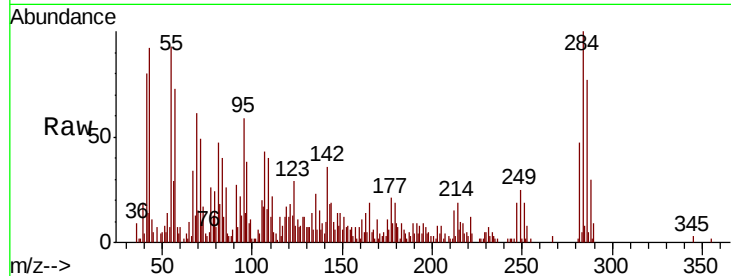




#68
Hexachlorobenzene
Concen: 3.348 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.01 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

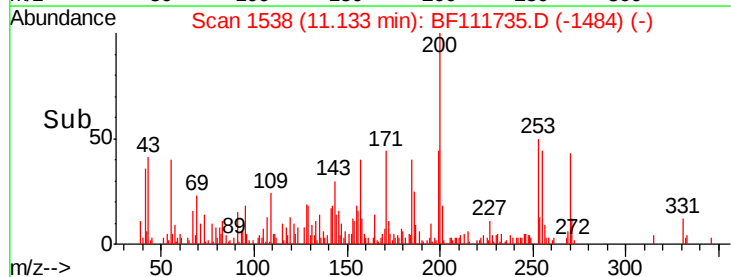
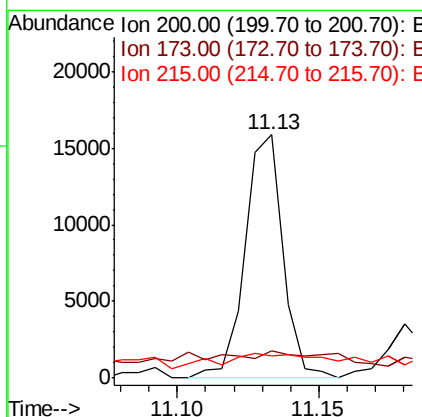
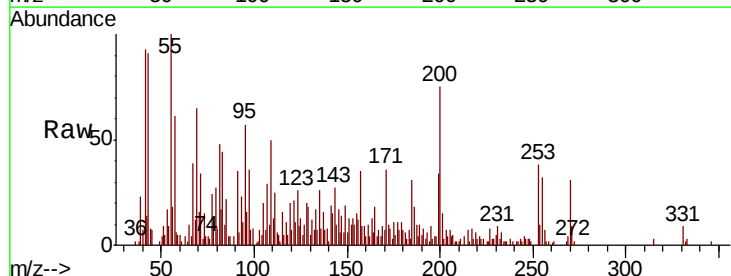
Instrument :
BNA_F
ClientSampled :

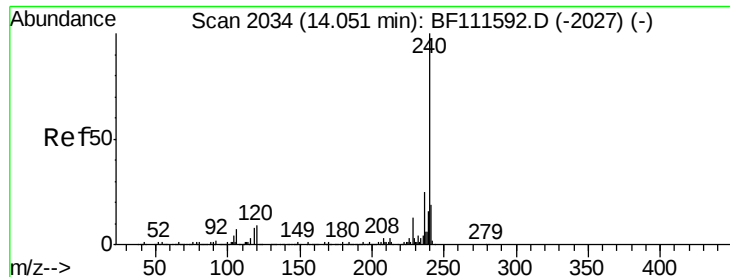
Tot Ion	Ratio	Lower	Upper
284	100		
142	35.8	27.4	41.2
249	24.8	24.4	36.6



#69
Atrazine
Concen: 3.294 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.02 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion	Ratio	Lower	Upper
200	100		
173	11.2	10.1	50.1
215	9.1	26.9	66.9#

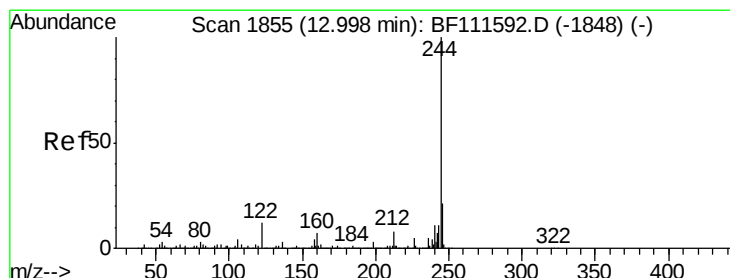
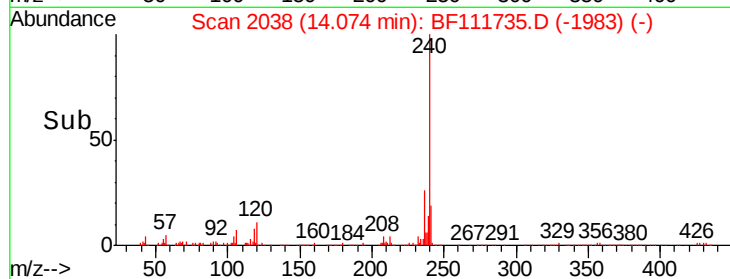
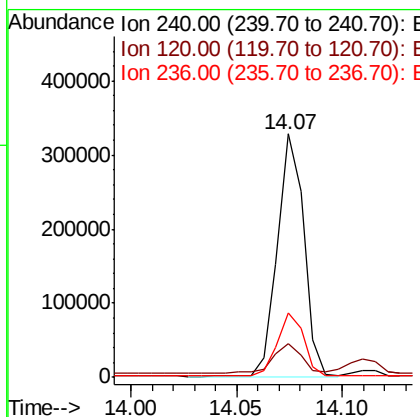
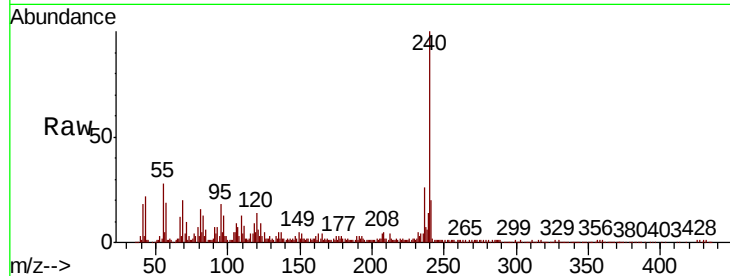




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

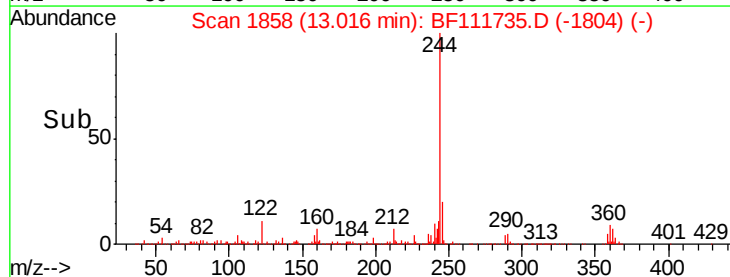
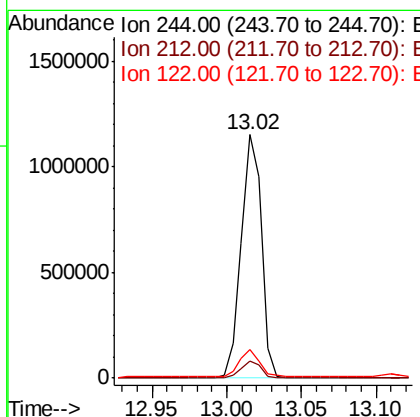
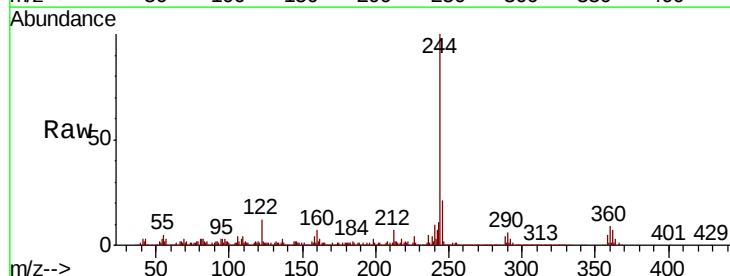
Instrument :
BNA_F
ClientSampleId :

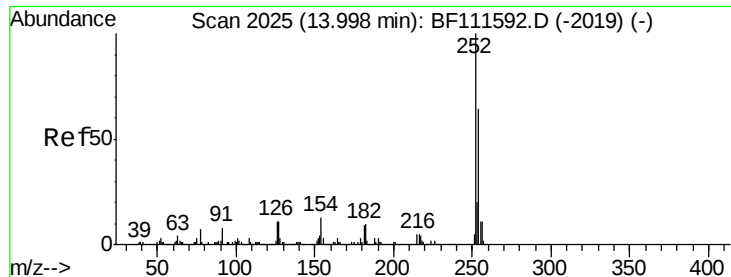
Tot Ion:240 Resp: 286331
Ion Ratio Lower Upper
240 100
120 14.0 12.2 18.2
236 26.3 20.2 30.2



#79
Terphenyl-d14
Concen: 71.739 ng
RT: 13.02 min Scan# 1858
Delta R.T. 0.02 min
Lab File: BF111735.D
Acq: 27 Dec 2018 1:07

Tgt Ion:244 Resp: 1083152
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 11.5 13.1 19.7#

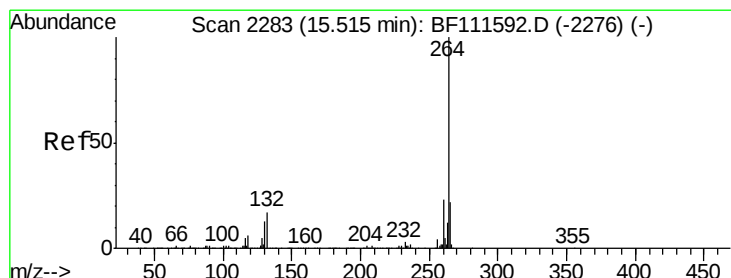
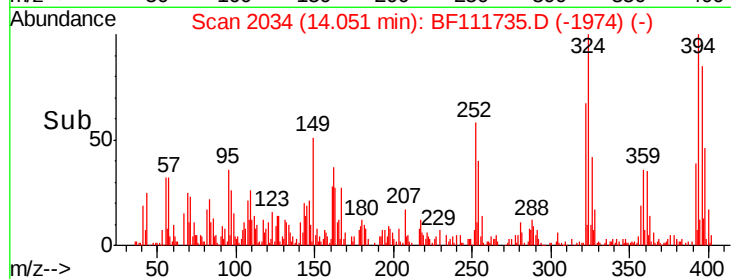
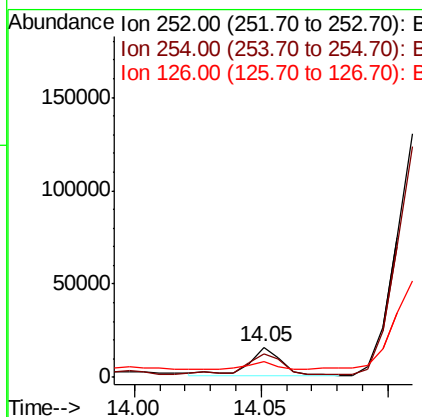
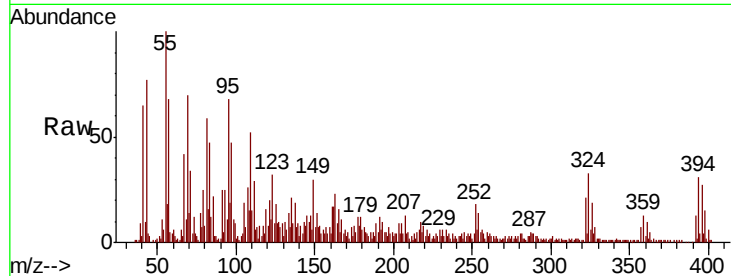




#82
 3,3'-Dichlorobenzidine
 Concen: 2.118 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.05 min
 Lab File: BF111735.D
 Acq: 27 Dec 2018 1:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 13674
 Ion Ratio Lower Upper
 252 100
 254 80.2 52.7 79.1#
 126 52.1 11.1 16.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. 0.05 min
 Lab File: BF111735.D
 Acq: 27 Dec 2018 1:07

Tgt Ion:264 Resp: 217086
 Ion Ratio Lower Upper
 264 100
 260 25.3 18.3 27.5
 265 22.4 17.7 26.5

