

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113035.D
 Acq On : 13 Mar 2019 18:27
 Operator : JU/SJ
 Sample : K1863-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 02:01:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	149540	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	561803	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	289752	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	597479	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	495893	20.00	ng	0.00
87) Perylene-d12	15.27	264	547866	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	985005	102.46	ng	0.00
7) Phenol-d6	6.37	99	1168442	96.76	ng	0.00
23) Nitrobenzene-d5	7.29	82	860765	91.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	411067	133.63	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1579444	92.45	ng	0.00
79) Terphenyl-d14	12.82	244	1891178	73.93	ng	0.00

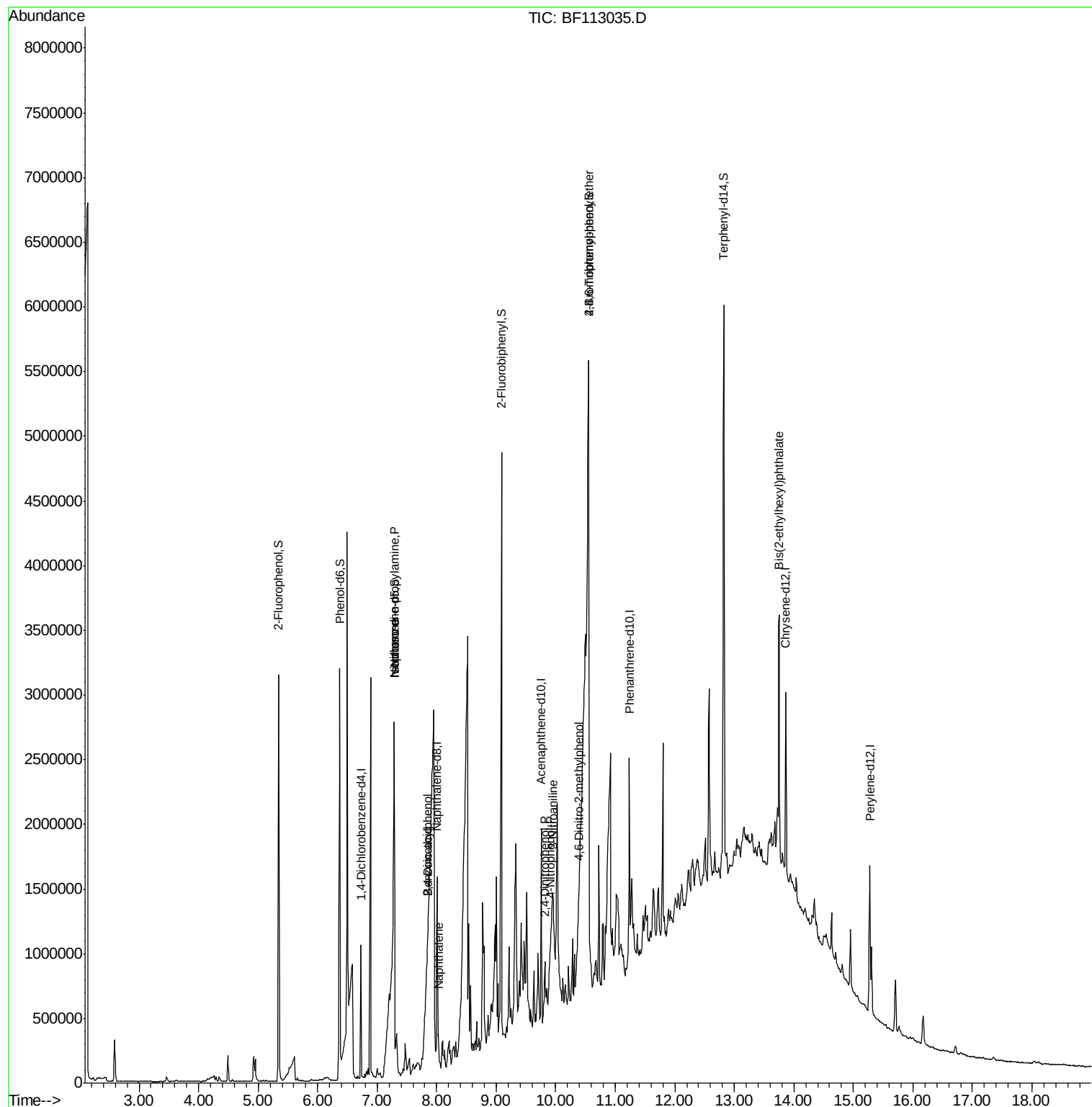
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	278364	36.396	ng	# 79
25) Isophorone	7.29	82	858122	42.425	ng	# 66
27) 2,4-Dimethylphenol	7.84	122	39853	4.925	ng	# 7
31) Naphthalene	8.03	128	60709	2.177	ng	99
32) Benzoic acid	7.84	122	39853	7.026	ng	97
53) 3-Nitroaniline	9.95	138	160064	29.526	ng	# 15
54) 2,4-Dinitrophenol	9.81	184	109	6.508	ng	# 1
56) 4-Nitrophenol	9.90	139	18350	4.165	ng	# 66
65) 4,6-Dinitro-2-methylphenol	10.37	198	119	4.657	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	24303	3.862	ng	# 1
84) Bis(2-ethylhexyl)phthalate	13.75	149	615009	28.414	ng	# 54

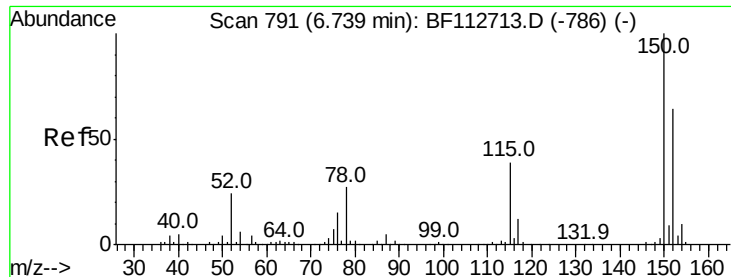
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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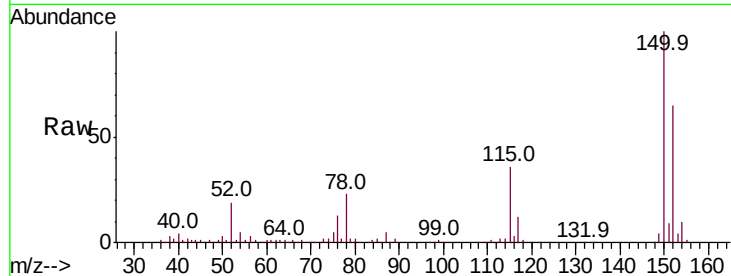


#1

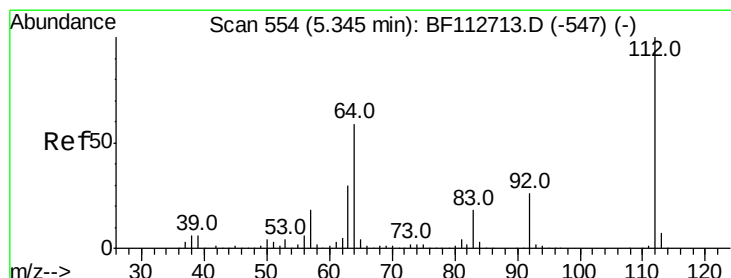
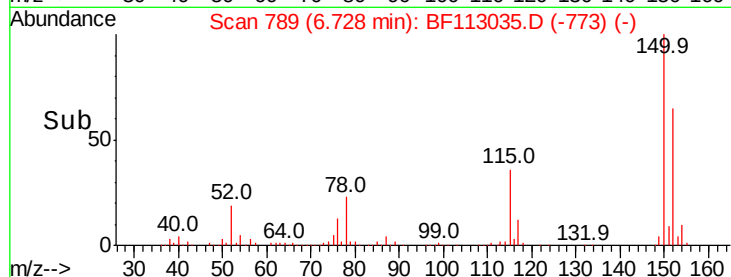
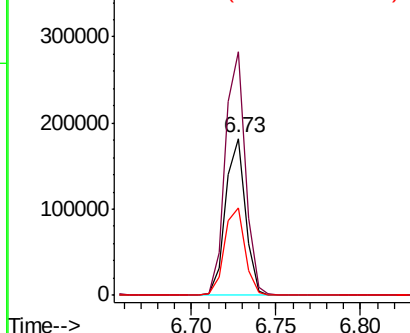
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113035.D
Acq: 13 Mar 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149540
Ion Ratio Lower Upper
152 100
150 154.9 124.2 186.2
115 55.8 48.2 72.4



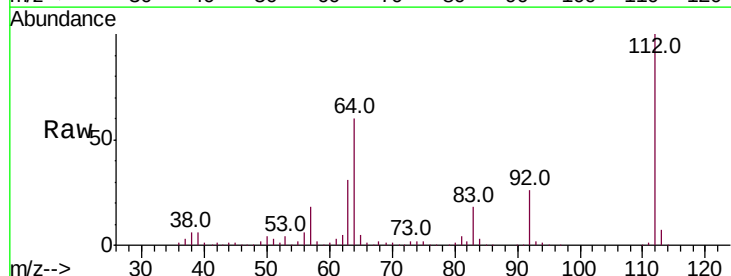
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



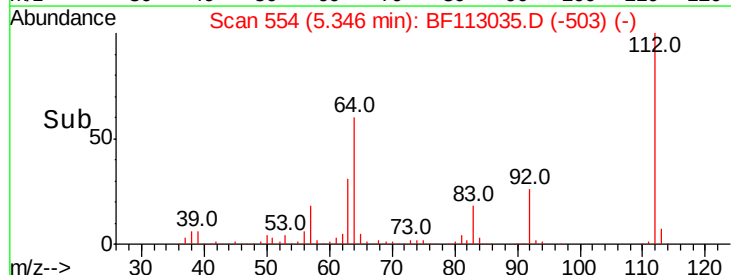
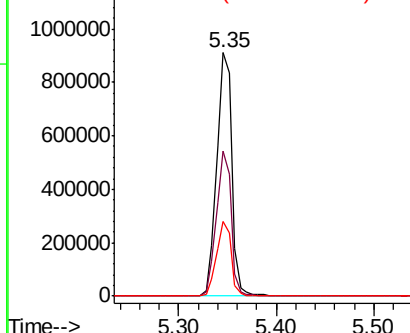
#5

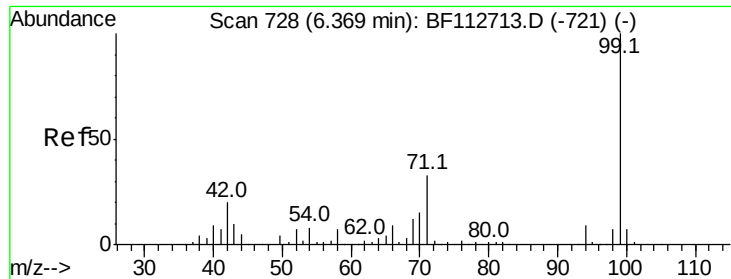
2-Fluorophenol
Concen: 102.462 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF113035.D
Acq: 13 Mar 2019 18:27

Tgt Ion:112 Resp: 985005
Ion Ratio Lower Upper
112 100
64 59.8 47.6 71.4
63 30.7 24.4 36.6



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: 96.758 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampleId :

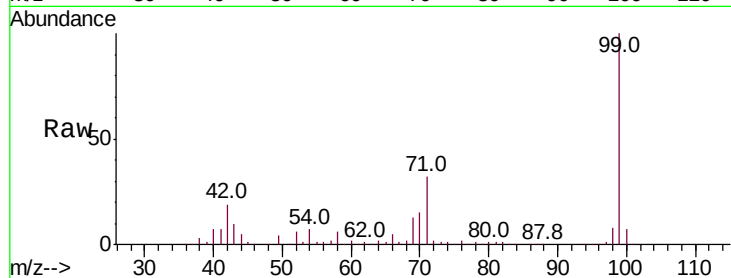
Tot Ion: 99 Resp: 1168442

Ion Ratio Lower Upper

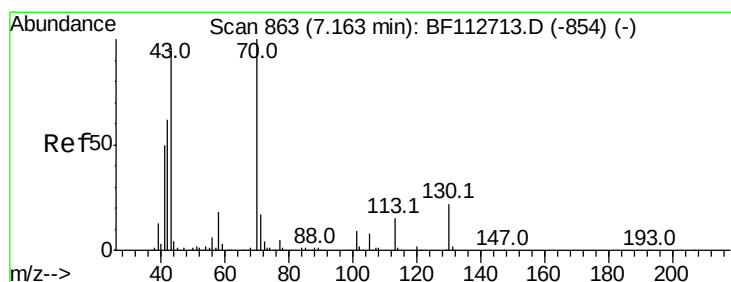
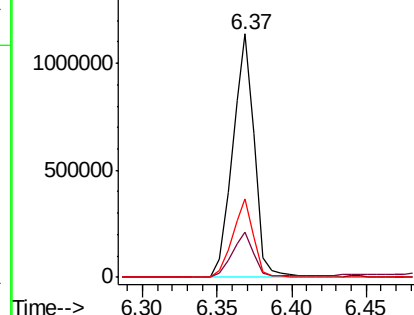
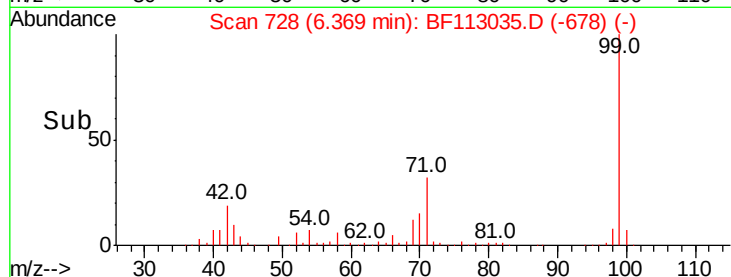
99 100

42 18.7 16.3 24.5

71 32.1 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 36.396 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Tgt Ion: 70 Resp: 278364

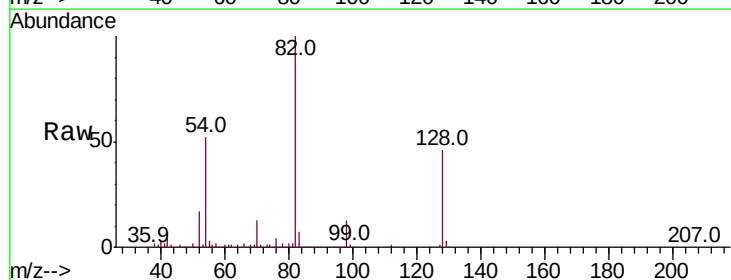
Ion Ratio Lower Upper

70 100

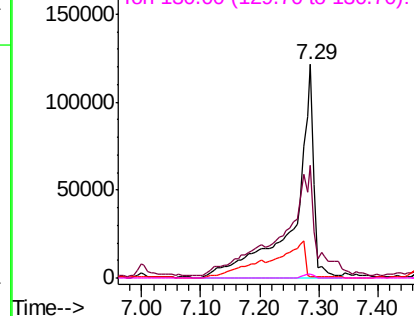
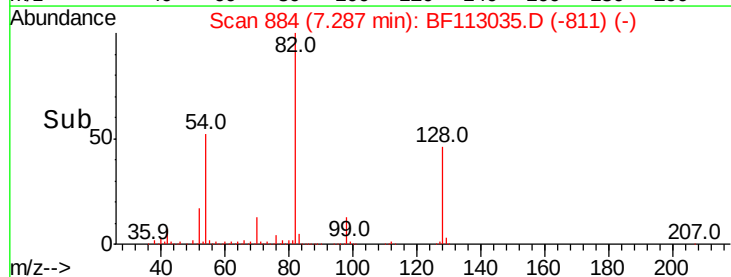
42 52.5 49.9 74.9

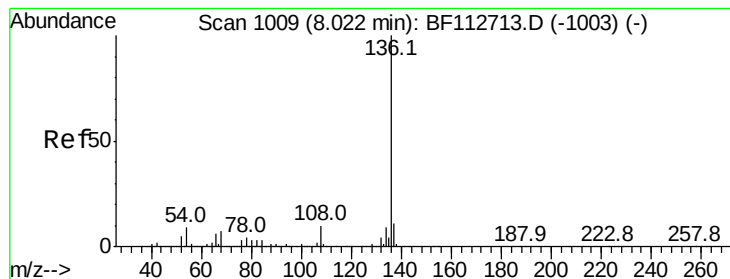
101 0.5 7.4 11.2#

130 2.1 17.4 26.2#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 561803

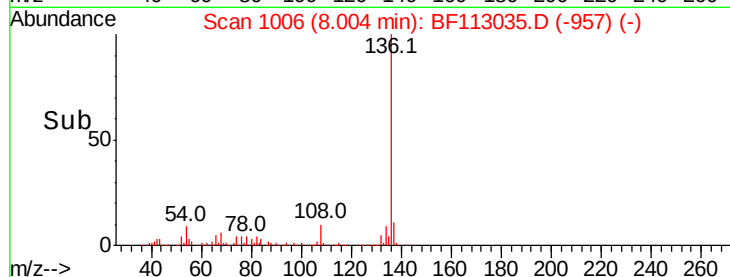
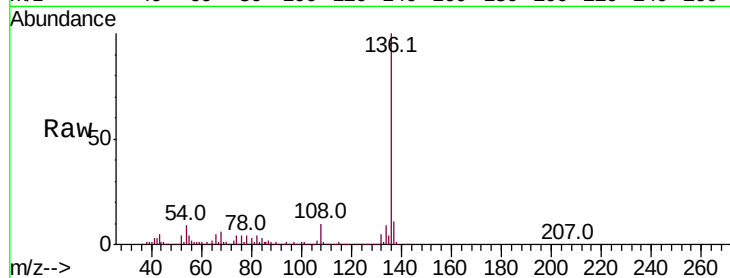
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.7 7.3 10.9

68 6.3 5.4 8.2

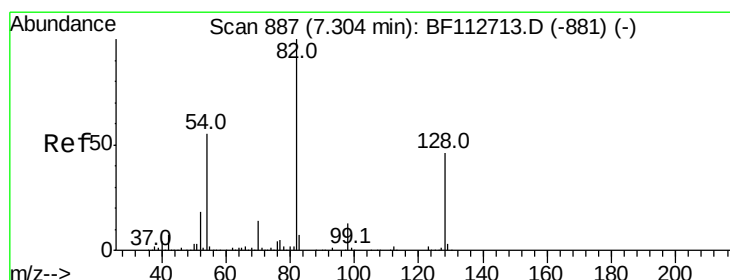
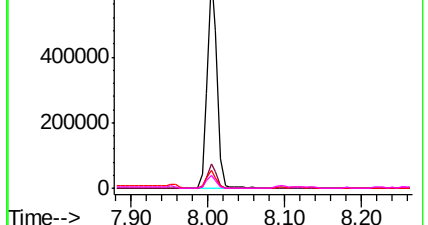


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.681 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

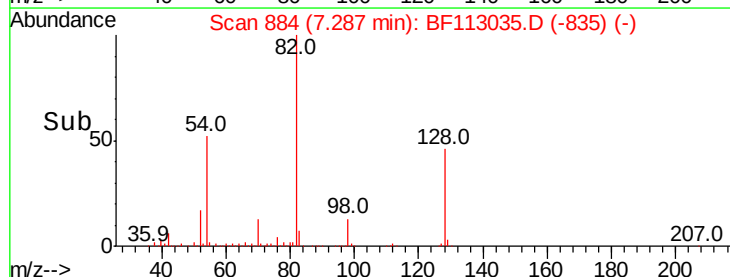
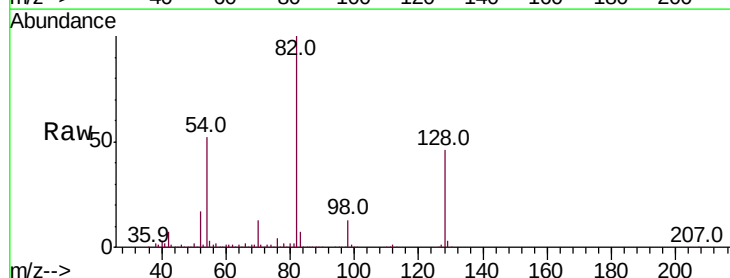
Tgt Ion: 82 Resp: 860765

Ion Ratio Lower Upper

82 100

128 46.3 36.3 54.5

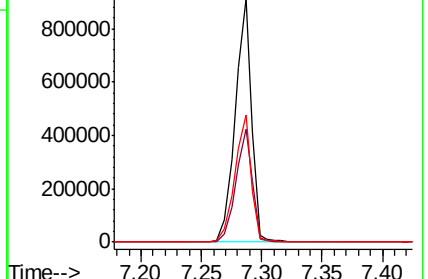
54 52.3 43.7 65.5

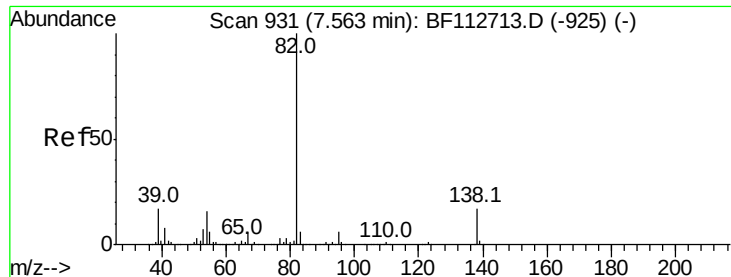


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.425 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampled :

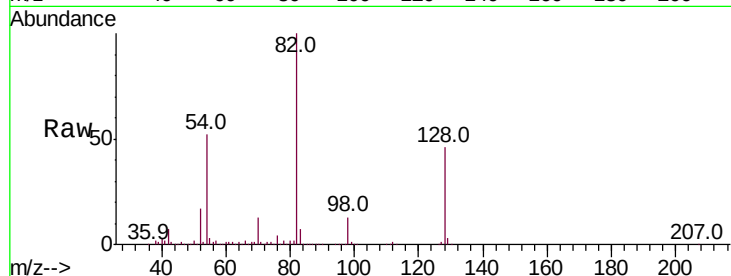
Tot Ion: 82 Resp: 858122

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 13.8 20.8#



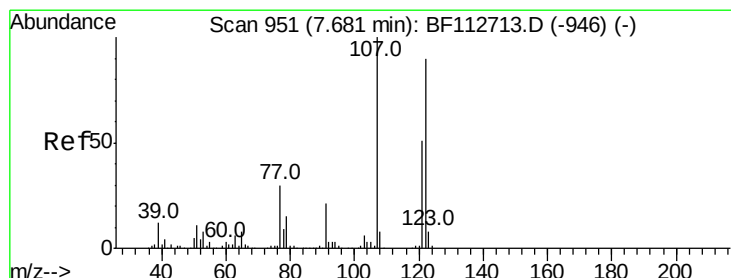
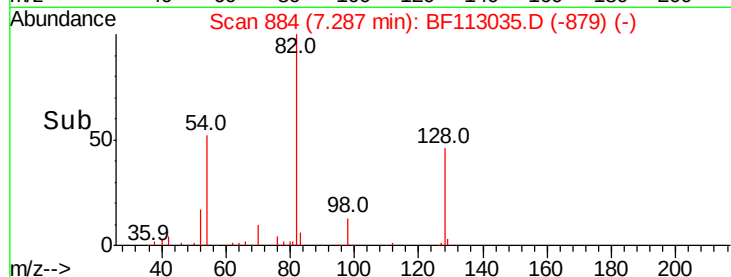
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

7.29

Time-->



#27

2,4-Dimethylphenol

Concen: 4.925 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.16 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

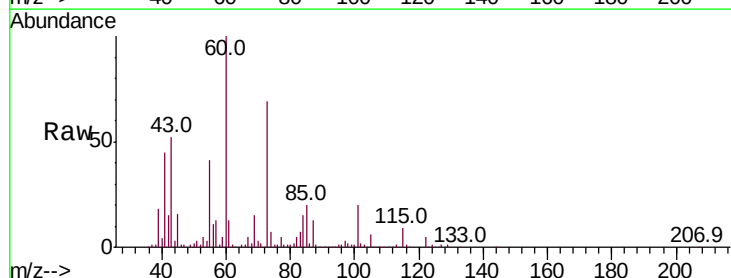
Tgt Ion: 122 Resp: 39853

Ion Ratio Lower Upper

122 100

107 4.1 89.4 134.0#

121 0.0 45.5 68.3#



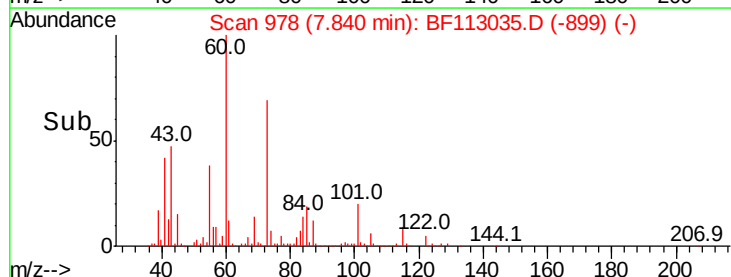
Abundance Ion 122.00 (121.70 to 122.70): E

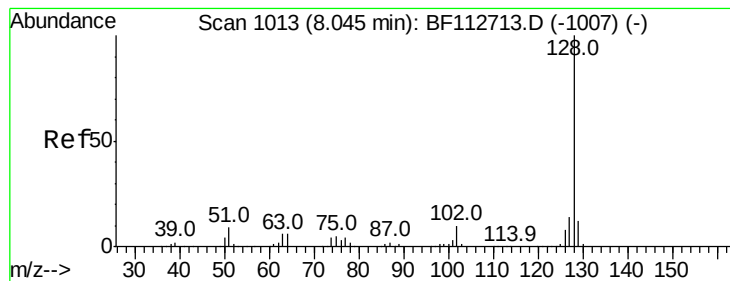
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

7.84

Time-->





#31

Naphthalene

Concen: 2.177 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampled :

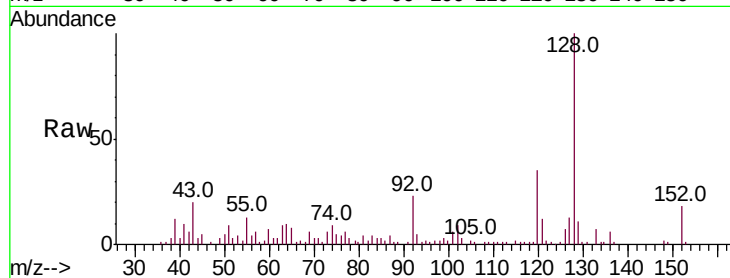
Tot Ion:128 Resp: 60709

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

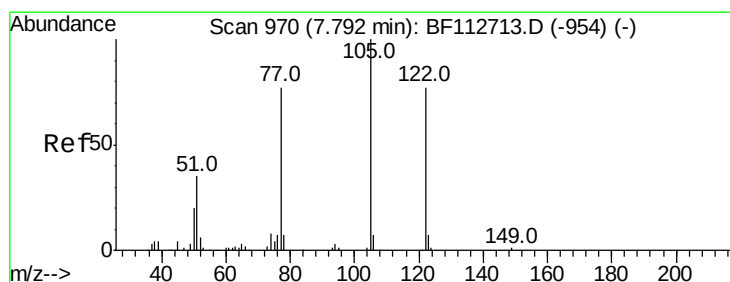
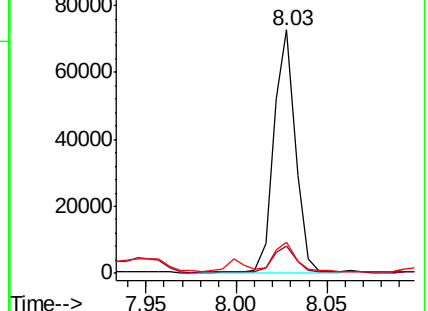
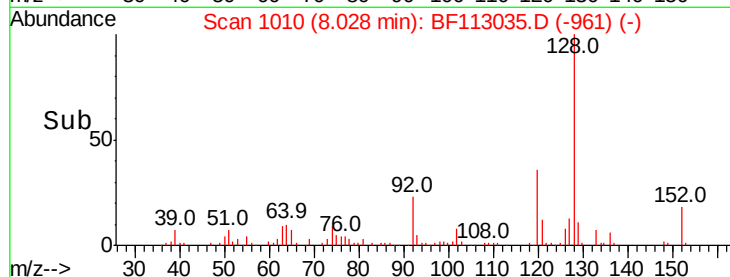
127 13.0 10.9 16.3



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: 7.026 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.03 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

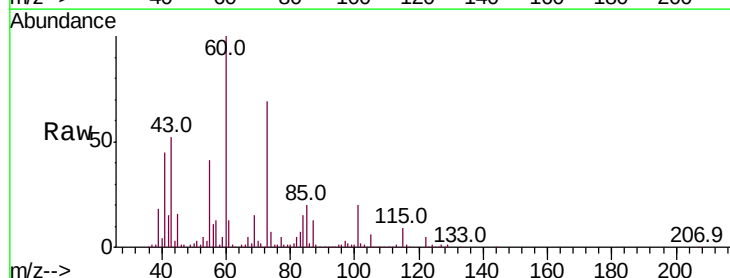
Tgt Ion:122 Resp: 39853

Ion Ratio Lower Upper

122 100

105 128.5 106.8 146.8

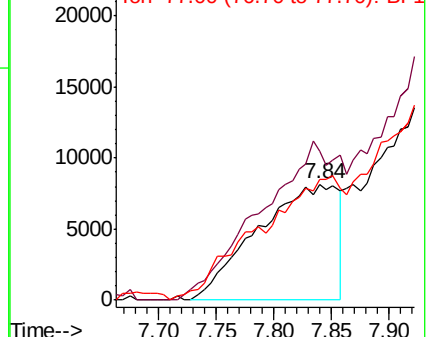
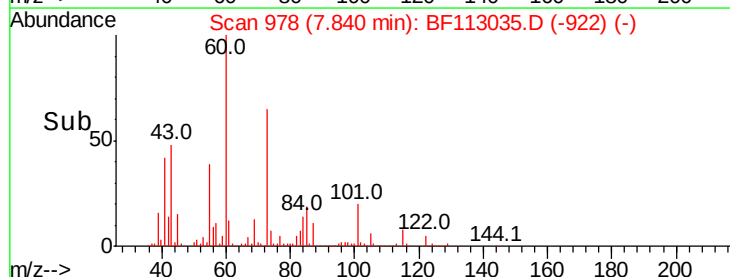
77 104.6 79.4 119.4

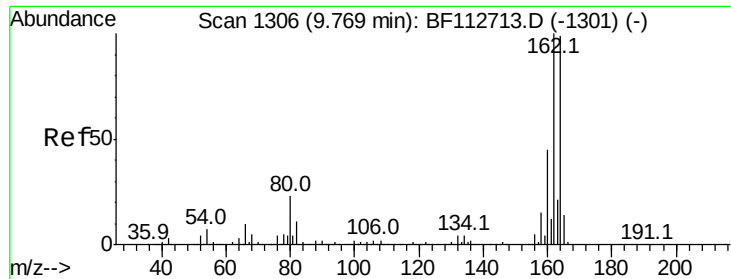


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

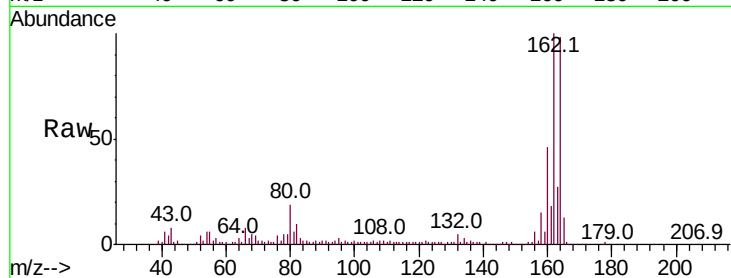




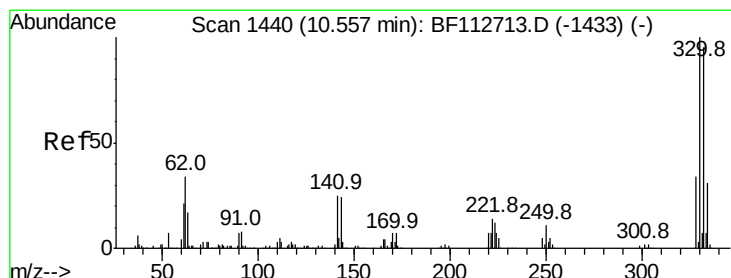
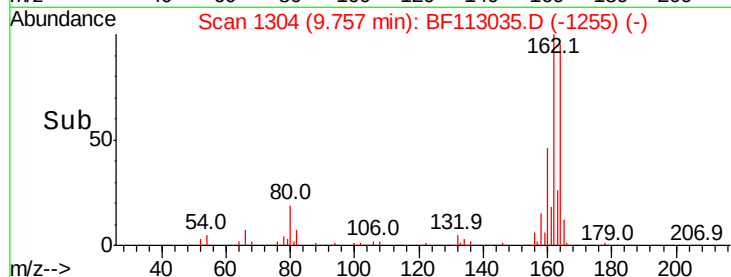
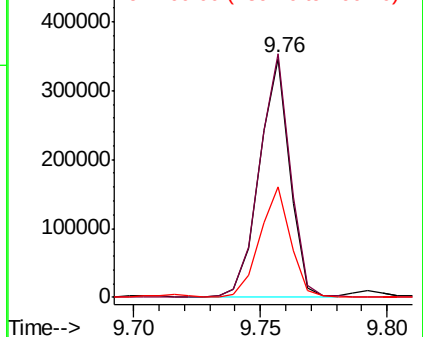
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113035.D
 Acq: 13 Mar 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	46.4	36.0	54.0

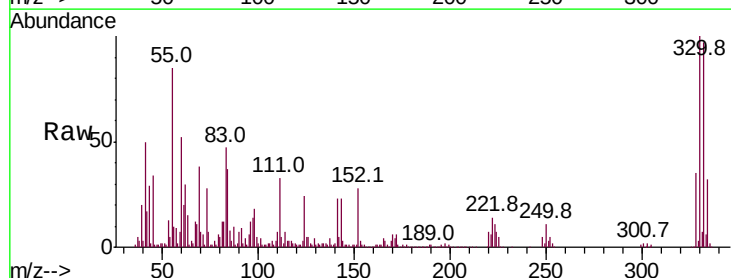


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

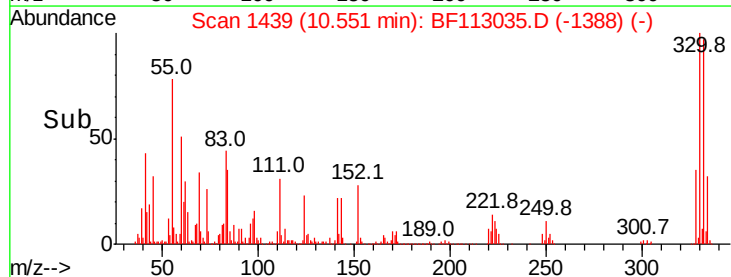
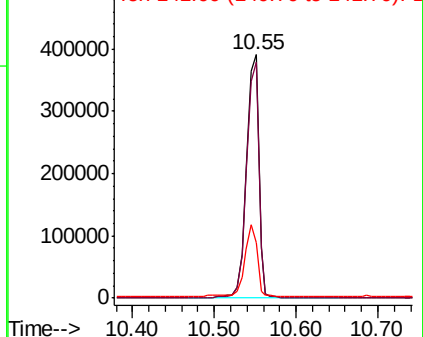


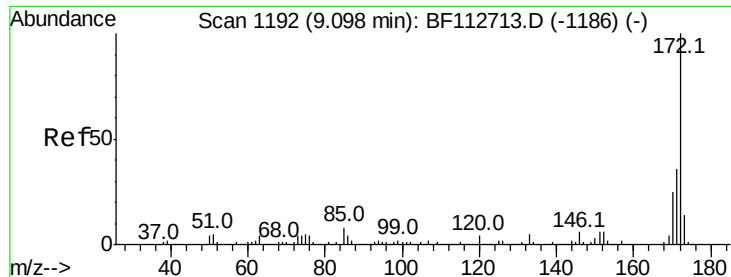
#42
 2,4,6-Tribromophenol
 Concen: 133.633 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF113035.D
 Acq: 13 Mar 2019 18:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.2	114.4
141	28.2	27.0	40.6



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

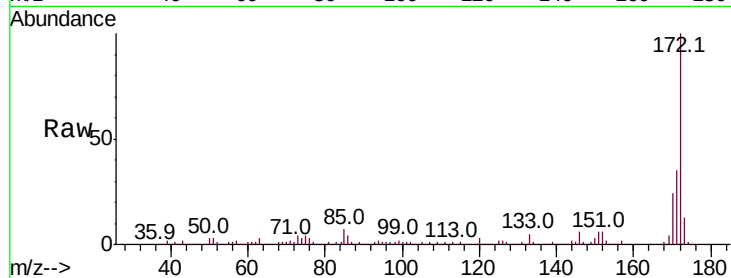




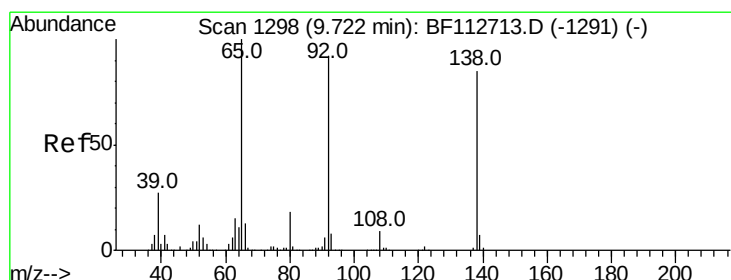
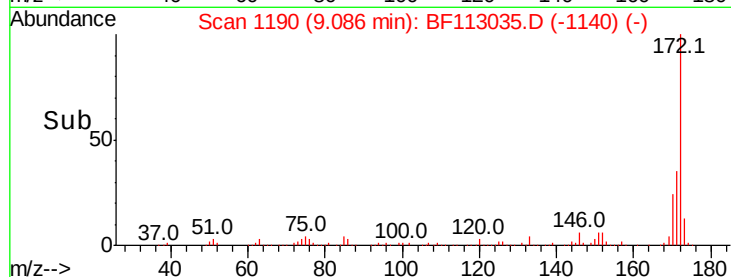
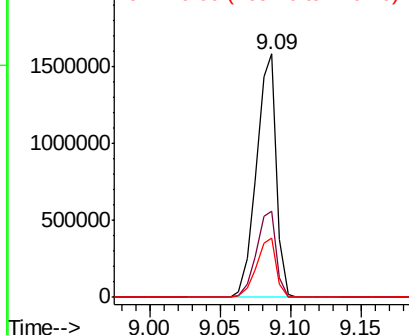
#45
 2-Fluorobiphenyl
 Concen: 92.450 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113035.D
 Acq: 13 Mar 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1579444
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.4
 170 24.4 20.0 30.0

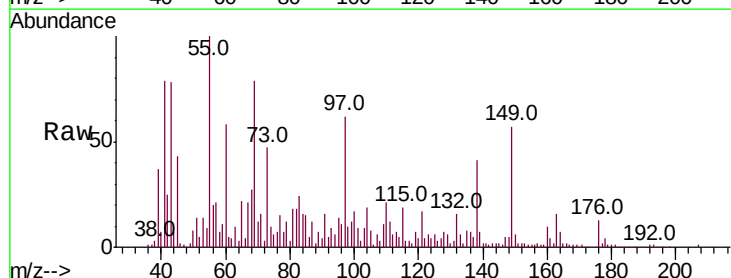


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

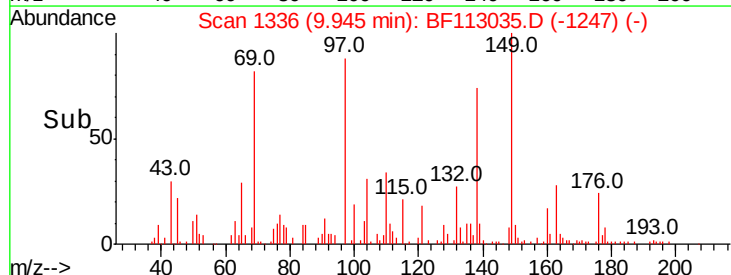
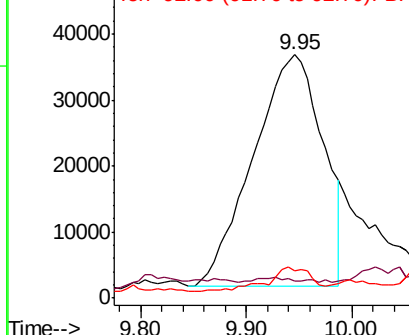


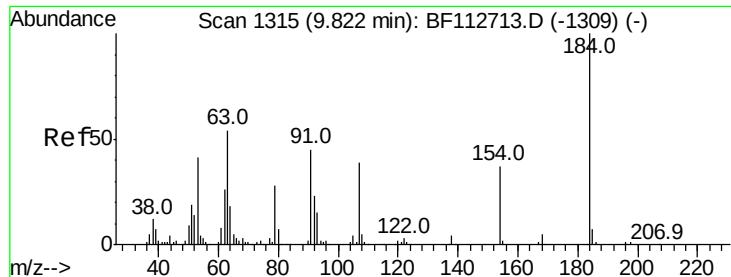
#53
 3-Nitroaniline
 Concen: 29.526 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. 0.22 min
 Lab File: BF113035.D
 Acq: 13 Mar 2019 18:27

Tgt Ion:138 Resp: 160064
 Ion Ratio Lower Upper
 138 100
 108 7.0 8.6 13.0#
 92 11.0 86.6 129.8#



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: 6.508 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampleId :

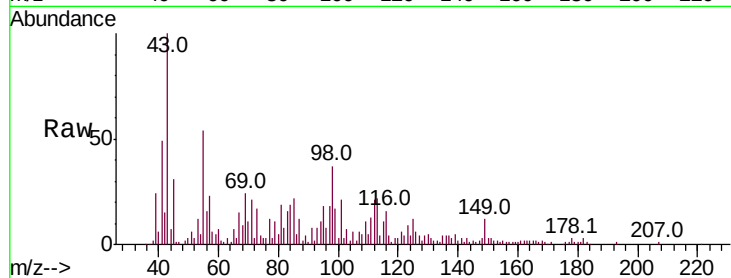
Tot Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 732.1 45.3 67.9#

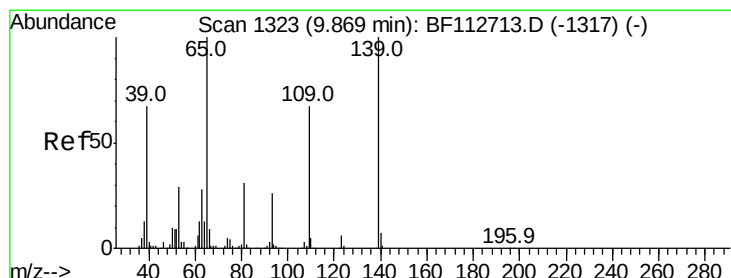
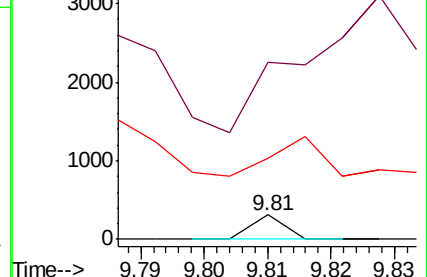
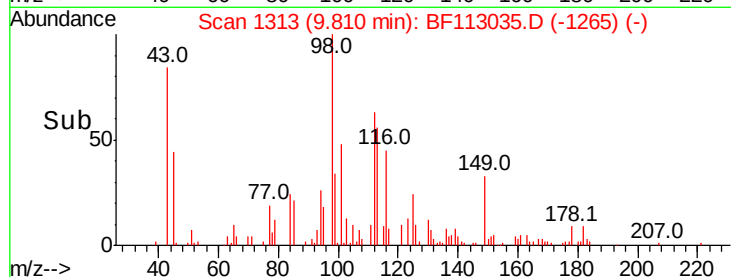
154 336.7 46.0 69.0#



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



#56

4-Nitrophenol

Concen: 4.165 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.02 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

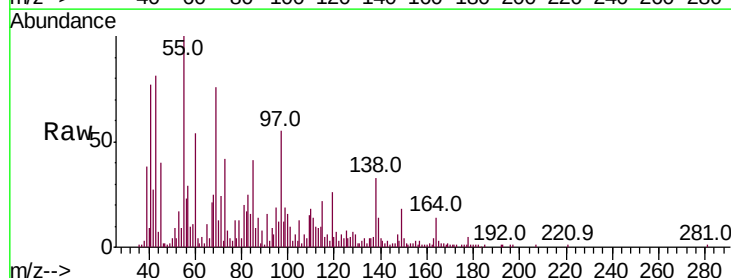
Tgt Ion:139 Resp: 18350

Ion Ratio Lower Upper

139 100

109 111.5 46.8 86.8#

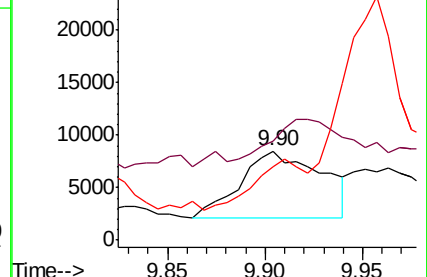
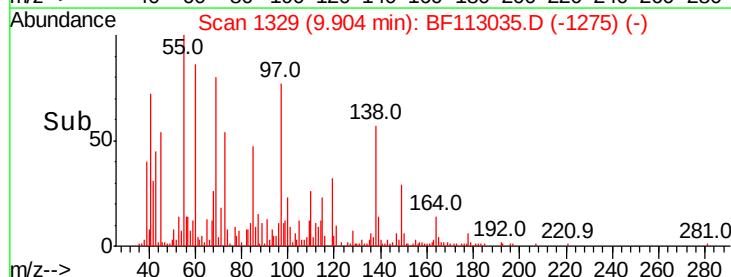
65 81.7 80.7 120.7

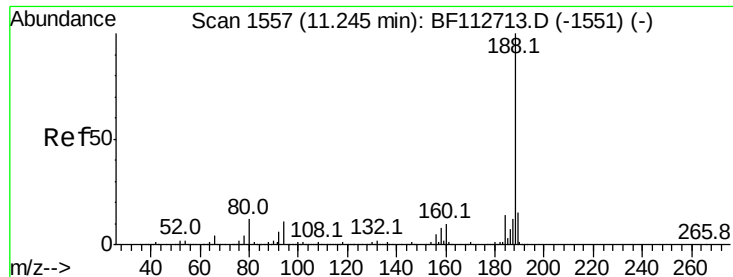


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampleId :

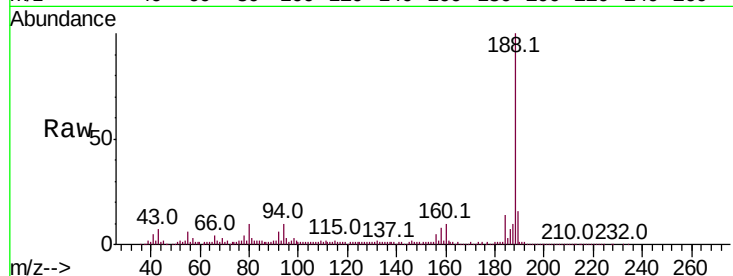
Tot Ion:188 Resp: 597479

Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.4

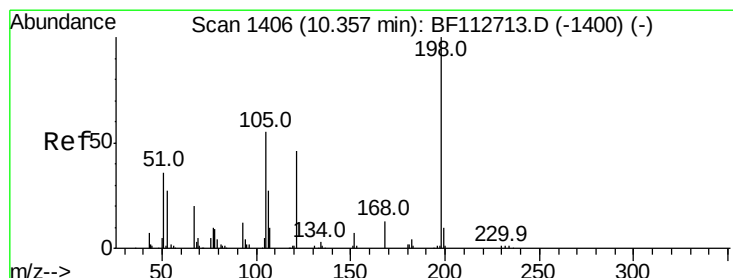
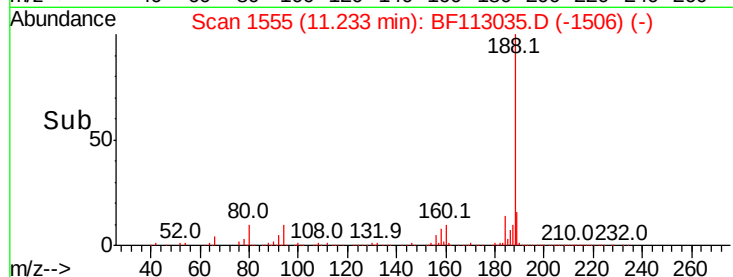
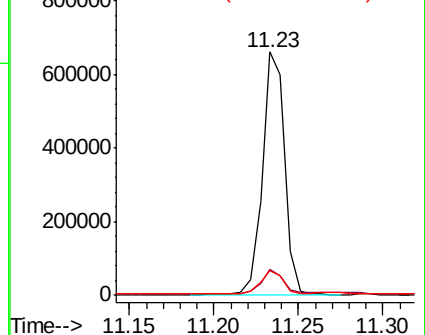
80 10.4 9.2 13.8



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: 4.657 ng

RT: 10.37 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

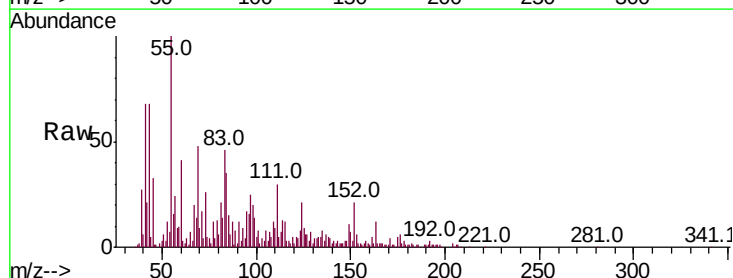
Tgt Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 1793.8 43.8 83.8#

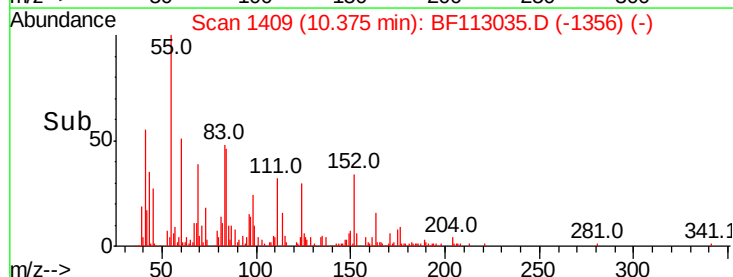
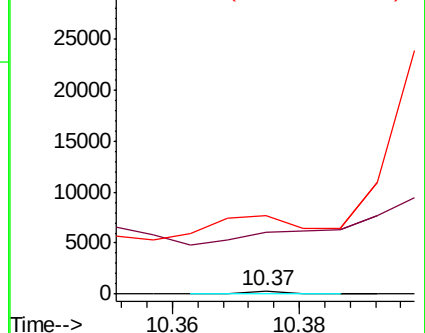
105 2279.5 36.5 76.5#

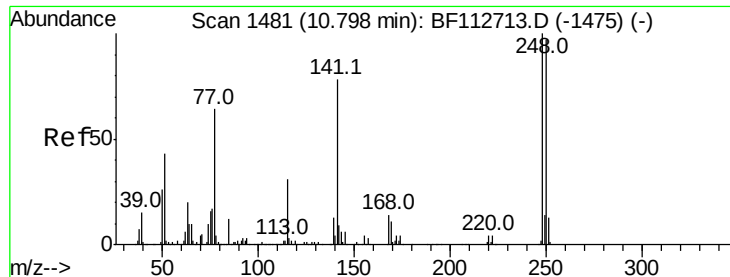


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

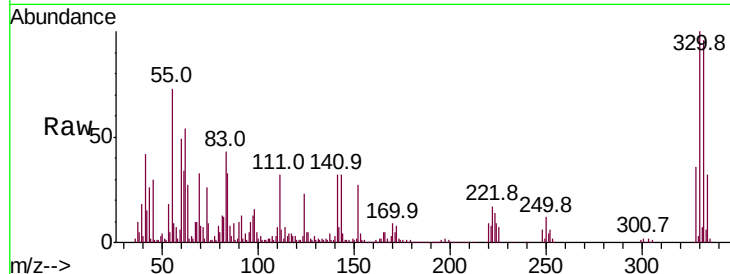




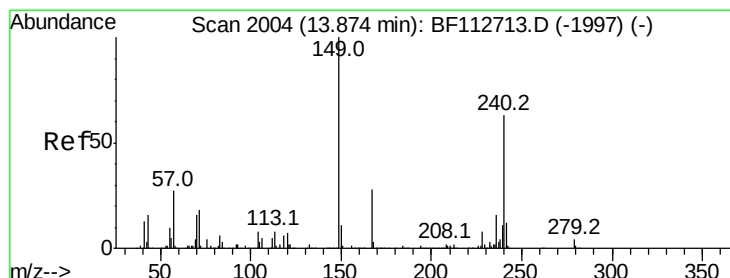
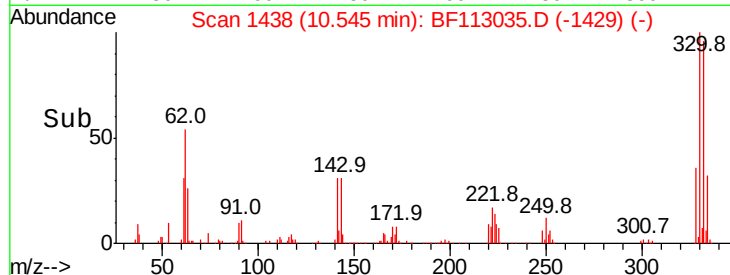
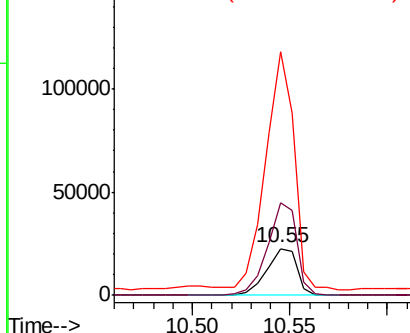
#67
4-Bromophenyl-phenylether
Concen: 3.862 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF113035.D
Acq: 13 Mar 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24303
Ion Ratio Lower Upper
248 100
250 199.7 77.5 116.3#
141 521.7 62.4 93.6#

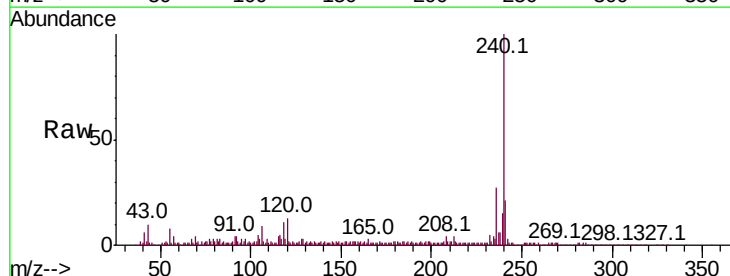


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

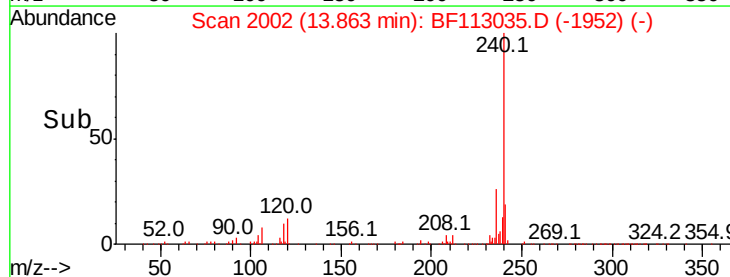
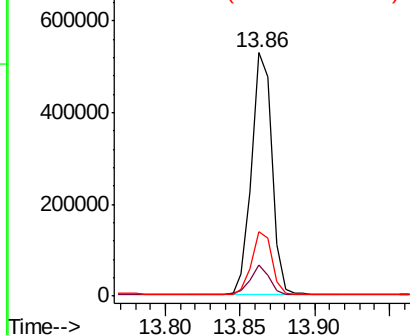


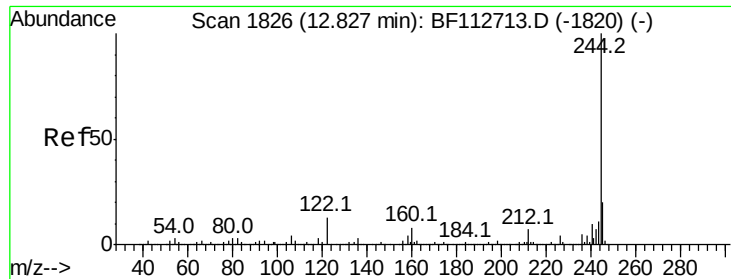
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113035.D
Acq: 13 Mar 2019 18:27

Tgt Ion:240 Resp: 495893
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.6 20.7 31.1



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





#79

Terphenyl-d14

Concen: 73.928 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

Instrument :

BNA_F

ClientSampleId :

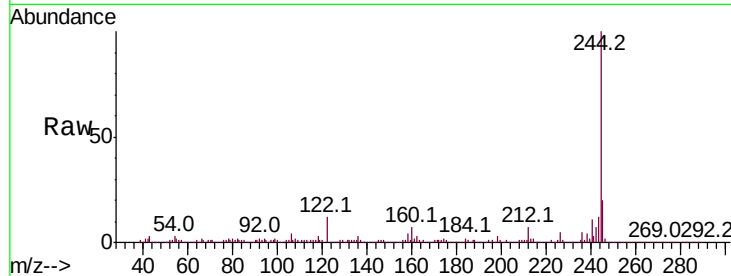
Tot Ion:244 Resp: 1891178

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

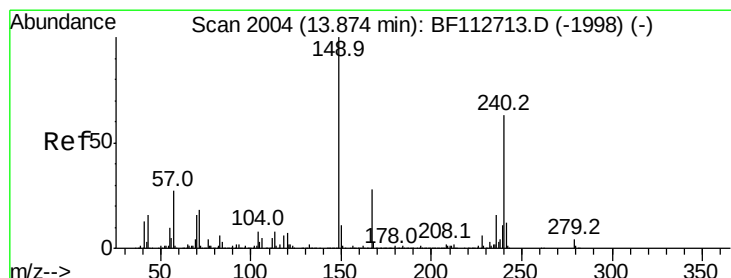
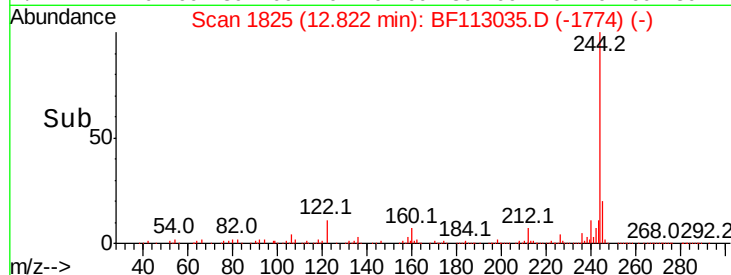
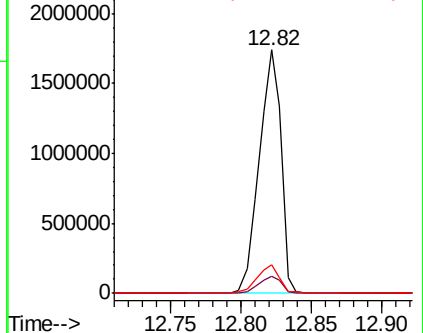
122 11.8 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 28.414 ng

RT: 13.75 min Scan# 1983

Delta R.T. -0.11 min

Lab File: BF113035.D

Acq: 13 Mar 2019 18:27

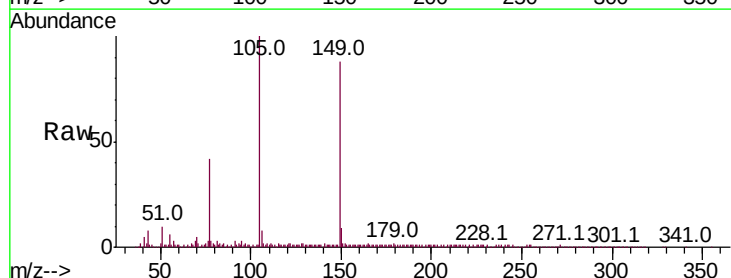
Tgt Ion:149 Resp: 615009

Ion Ratio Lower Upper

149 100

167 1.2 22.4 33.6#

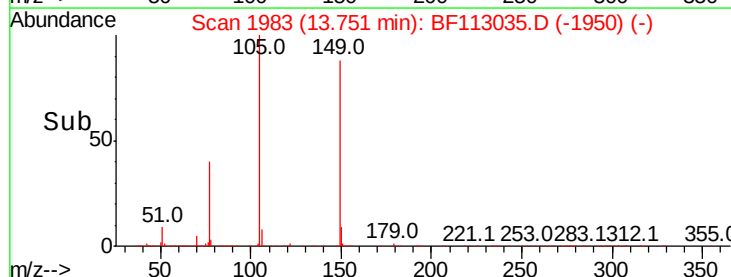
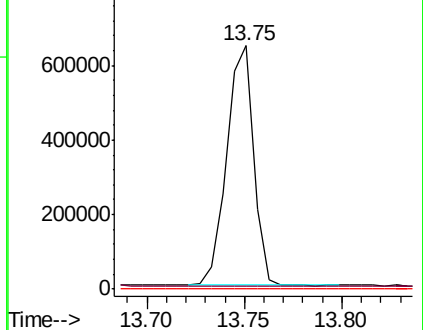
279 0.2 3.3 4.9#

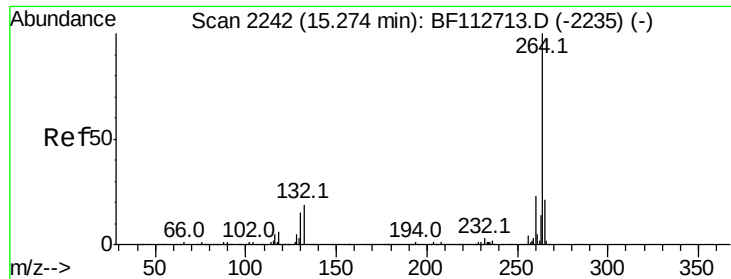


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlène-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF113035.D
Acq: 13 Mar 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	17.2	25.8

