

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040119\
 Data File : BF113493.D
 Acq On : 2 Apr 2019 6:08
 Operator : JU/SJ
 Sample : K2115-03DL 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 07:04:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	99434	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	398944	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	201224	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	384013	20.00	ng	0.00
76) Chrysene-d12	13.84	240	369466	20.00	ng	0.00
87) Perylene-d12	15.26	264	268630	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	7089	1.17	ng	0.05
7) Phenol-d6	6.39	99	5945	0.77	ng	0.03
23) Nitrobenzene-d5	7.27	82	20438	3.04	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	6740	2.71	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	50309	-17.31	ng	0.00
79) Terphenyl-d14	12.79	244	59137	3.53	ng	0.00

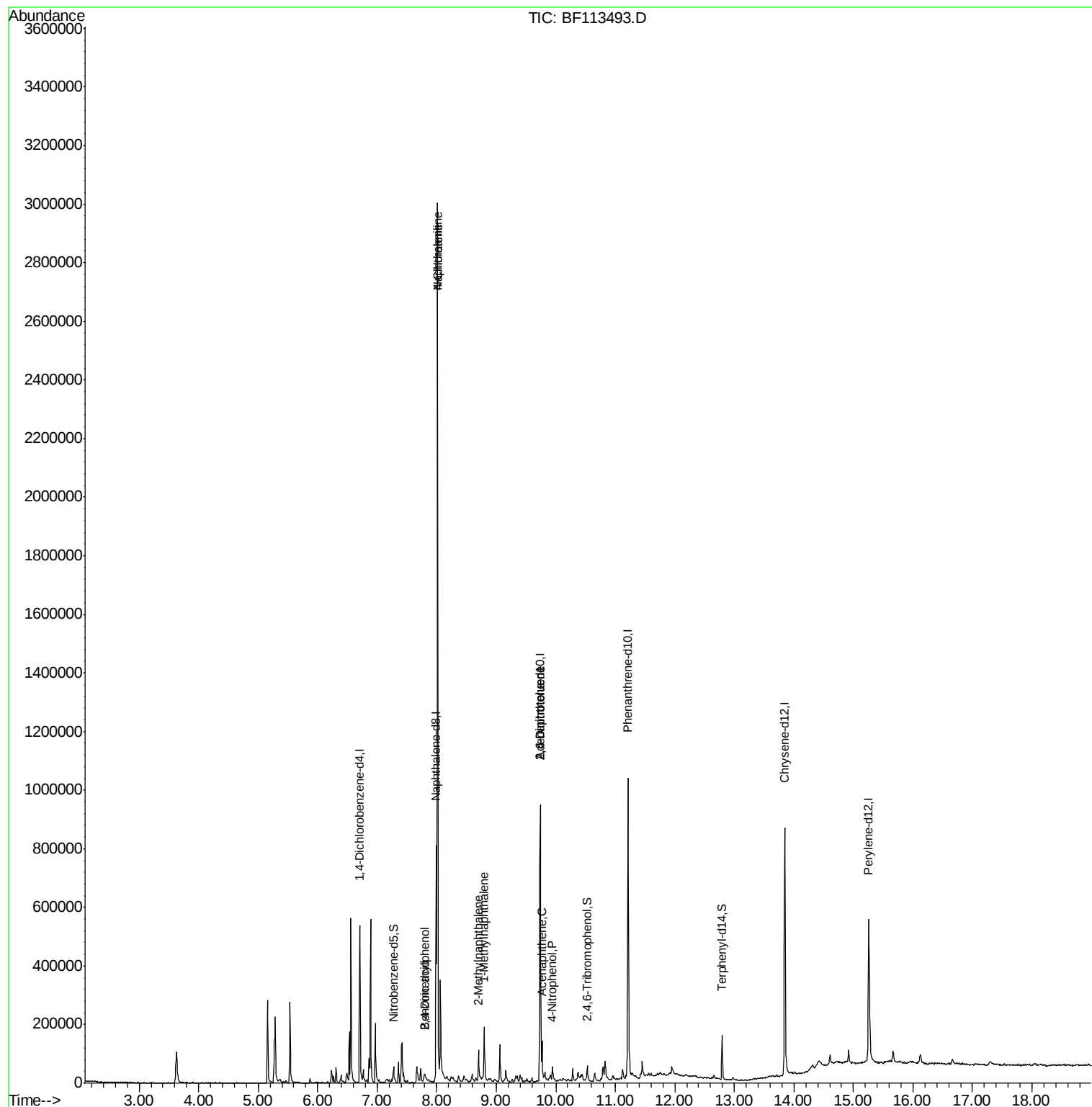
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.16	107	6536	Below Cal		# 77
27) 2,4-Dimethylphenol	7.80	122	10684	2.003	ng	91
31) Naphthalene	8.02	128	1507808	77.342	ng	99
32) Benzoic acid	7.80	122	10684	2.489	ng	# 18
33) 4-Chloroaniline	8.02	127	201643	26.524	ng	# 35
37) 2-Methylnaphthalene	8.70	142	35516	2.920	ng	97
38) 1-Methylnaphthalene	8.80	142	53057	4.535	ng	98
51) 2,6-Dinitrotoluene	9.74	165	26125	7.766	ng	# 27
52) Acenaphthene	9.77	154	24646	2.092	ng	98
56) 4-Nitrophenol	9.95	139	9153	3.384	ng	# 12
57) 2,4-Dinitrotoluene	9.74	165	26126	6.107	ng	# 24

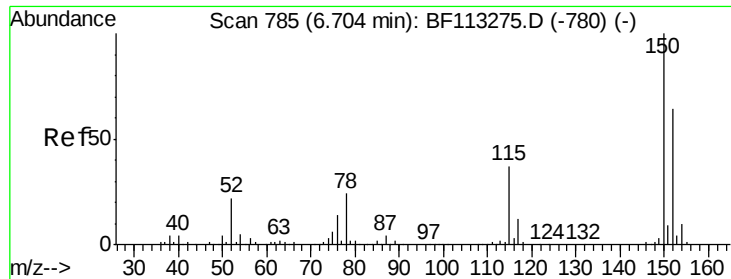
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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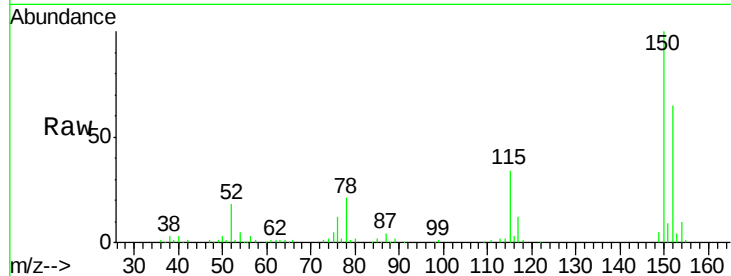


#1

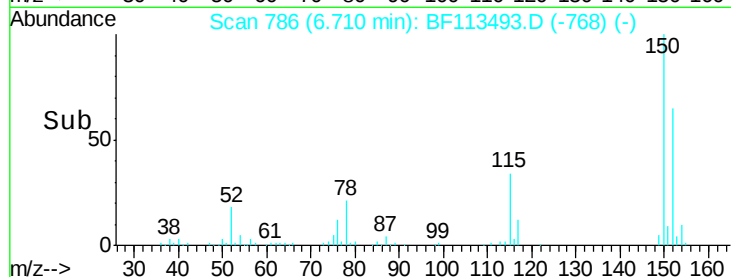
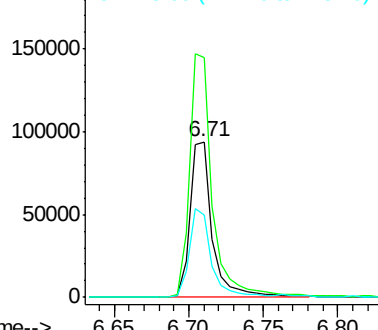
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF113493.D
Acq: 2 Apr 2019 6:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99434
Ion Ratio Lower Upper
152 100
150 154.6 124.7 187.1
115 52.9 46.0 69.0



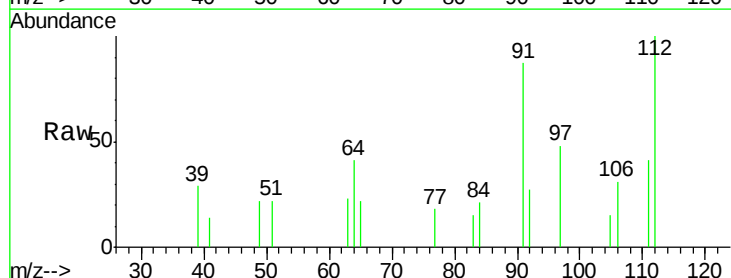
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



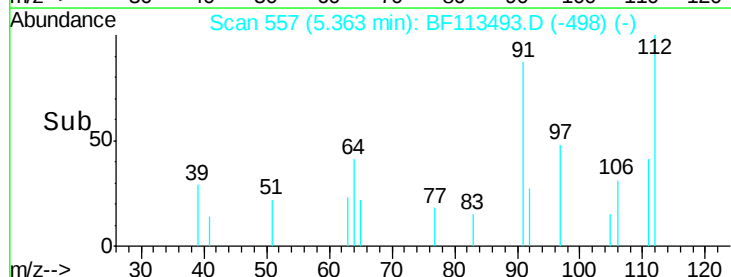
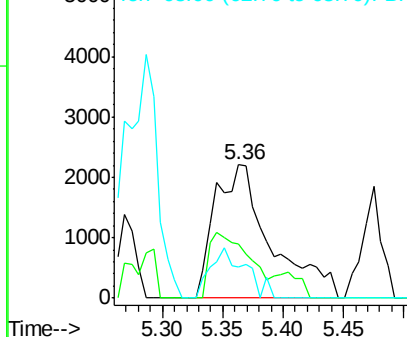
#5

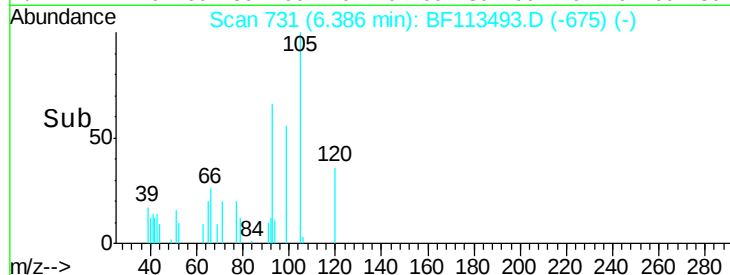
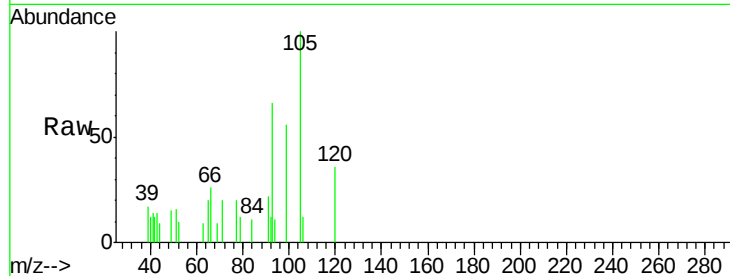
2-Fluorophenol
Concen: 1.166 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.05 min
Lab File: BF113493.D
Acq: 2 Apr 2019 6:08

Tgt Ion:112 Resp: 7089
Ion Ratio Lower Upper
112 100
64 41.0 49.2 73.8#
63 23.2 24.9 37.3#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.773 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

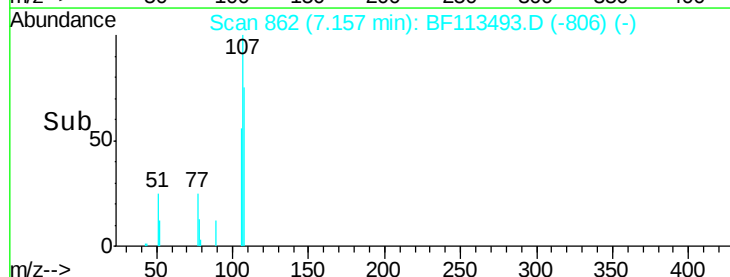
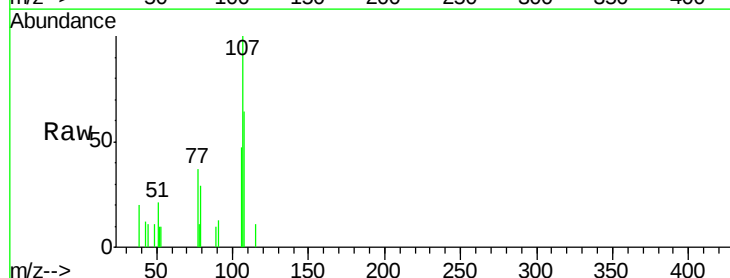
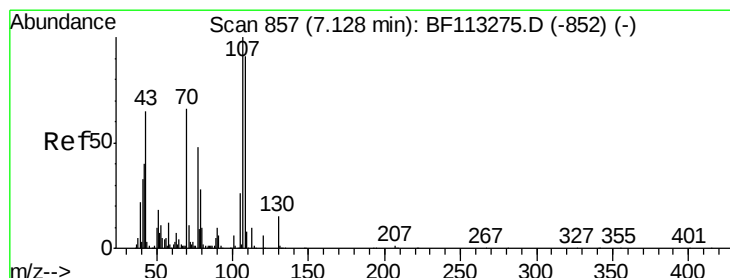
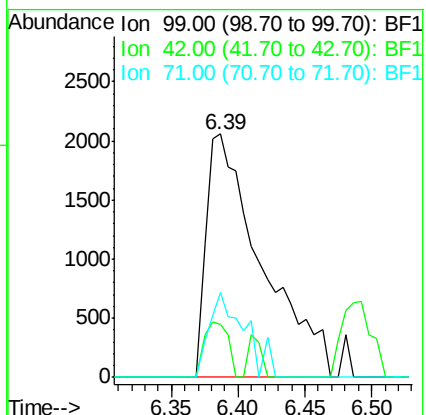
Tot Ion: 99 Resp: 5945

Ion Ratio Lower Upper

99 100

42 21.7 14.8 22.2

71 35.1 24.9 37.3



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. 0.03 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Tgt Ion:107 Resp: 6536

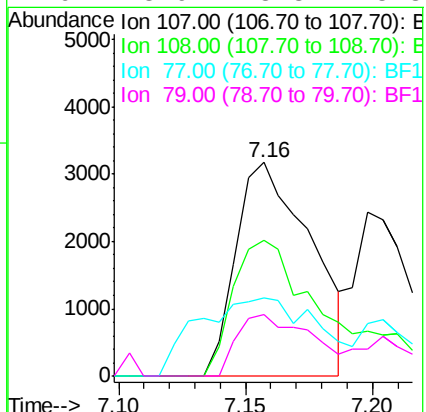
Ion Ratio Lower Upper

107 100

108 63.5 71.4 111.4#

77 36.7 33.5 73.5

79 28.9 8.3 48.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 398944

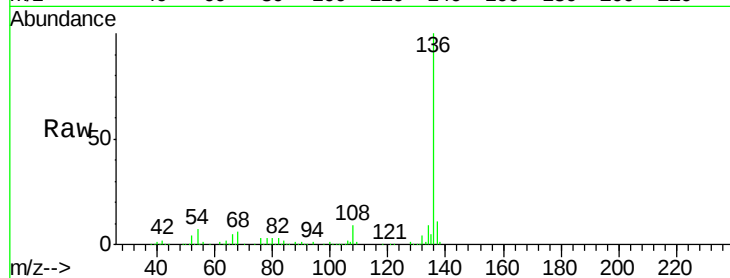
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.3 7.0 10.6

68 5.7 4.8 7.2

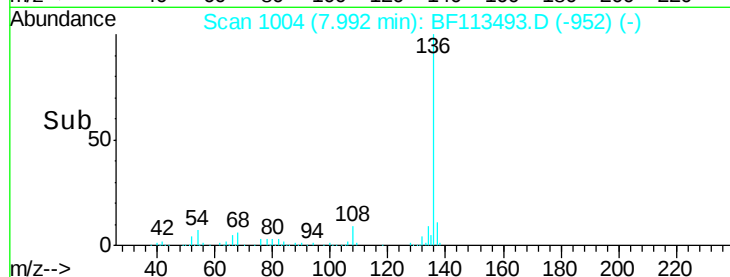


Abundance Ion 136.00 (135.70 to 136.70): E

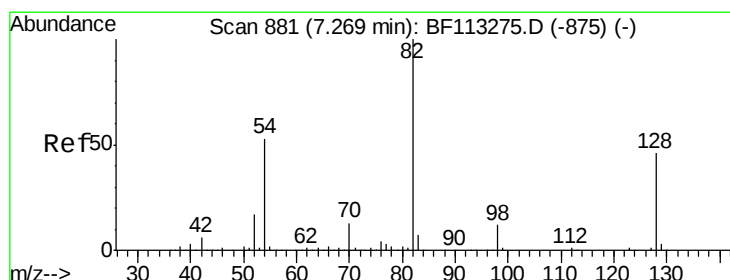
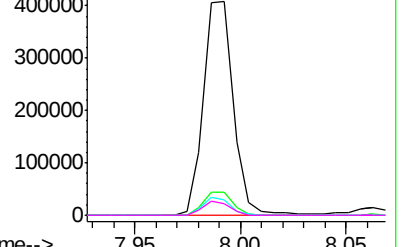
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 3.041 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

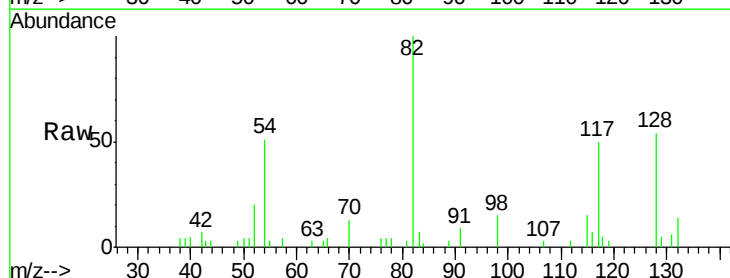
Tgt Ion: 82 Resp: 20438

Ion Ratio Lower Upper

82 100

128 53.7 36.5 54.7

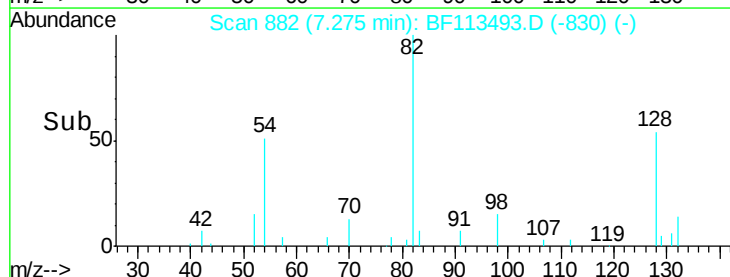
54 51.1 42.2 63.2



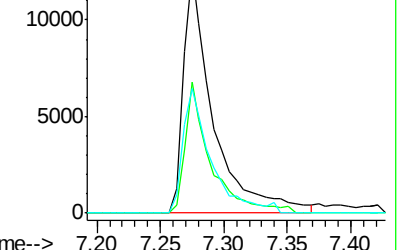
Abundance Ion 82.00 (81.70 to 82.70): BF1

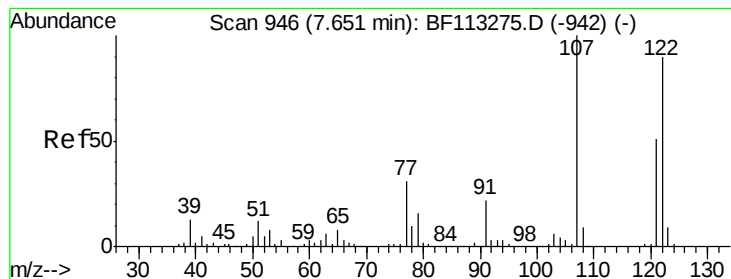
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#27

2,4-Dimethylphenol

Concen: 2.003 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.15 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

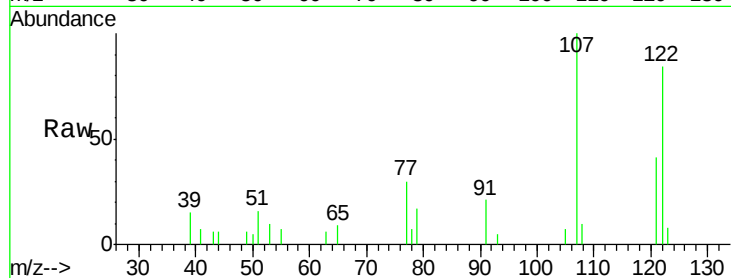
Tot Ion:122 Resp: 10684

Ion Ratio Lower Upper

122 100

107 118.9 88.8 133.2

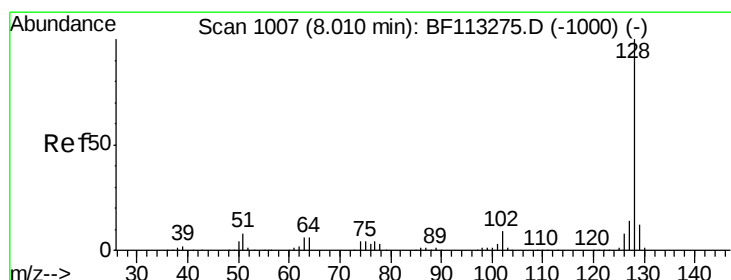
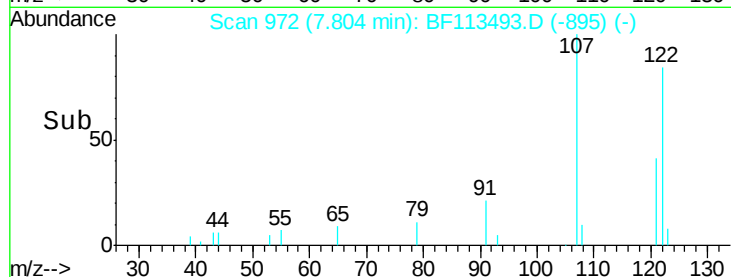
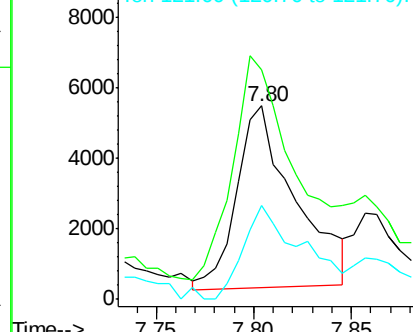
121 48.5 45.5 68.3



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



#31

Naphthalene

Concen: 77.342 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

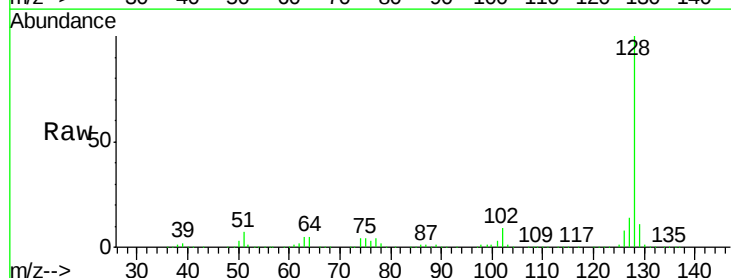
Tgt Ion:128 Resp: 1507808

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

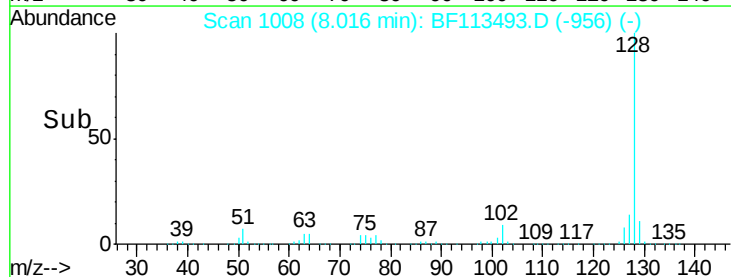
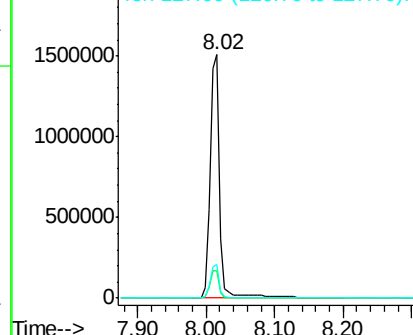
127 13.8 10.9 16.3

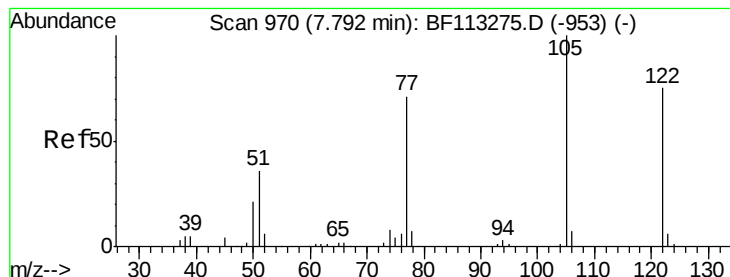


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.489 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

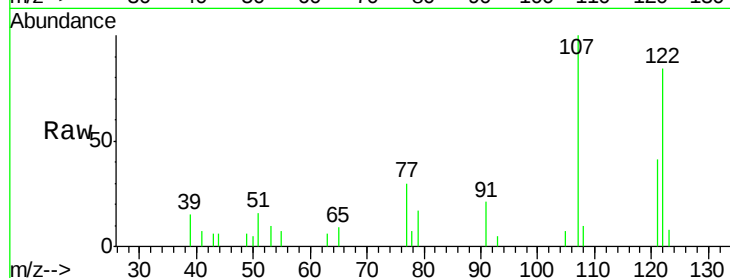
Tot Ion:122 Resp: 10684

Ion Ratio Lower Upper

122 100

105 8.0 100.4 140.4#

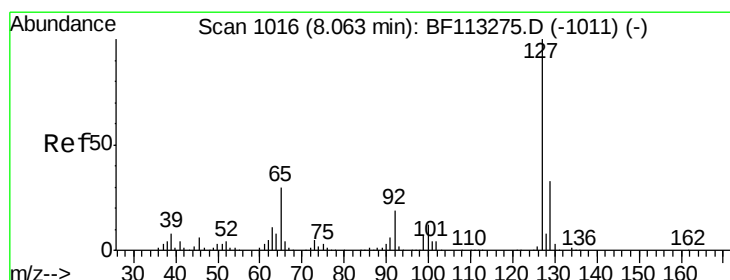
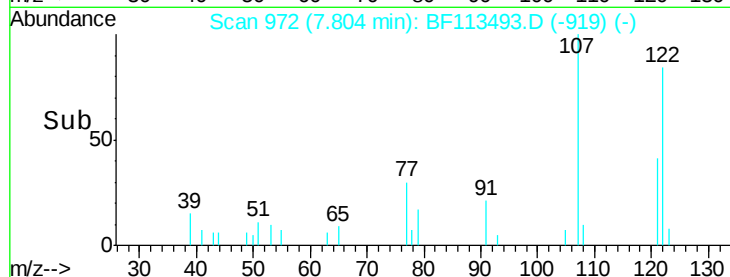
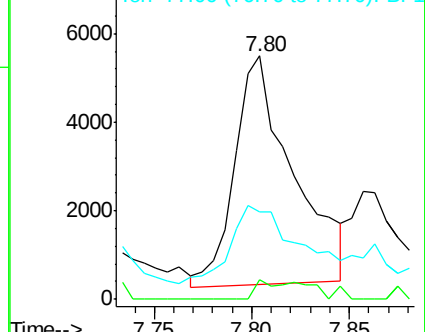
77 35.7 69.0 109.0#



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: 26.524 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.05 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Tgt Ion:127 Resp: 201643

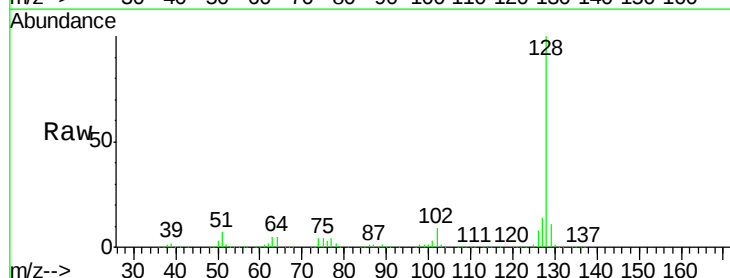
Ion Ratio Lower Upper

127 100

129 82.2 26.3 39.5#

65 0.0 24.2 36.4#

92 0.0 15.0 22.6#

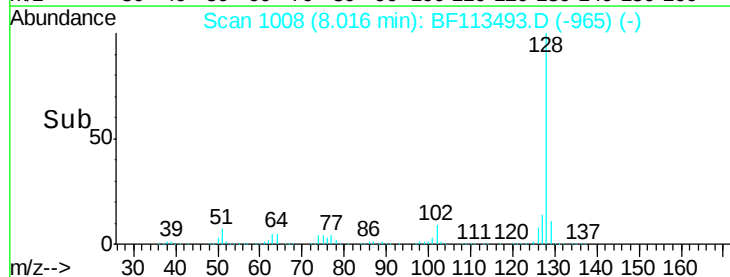
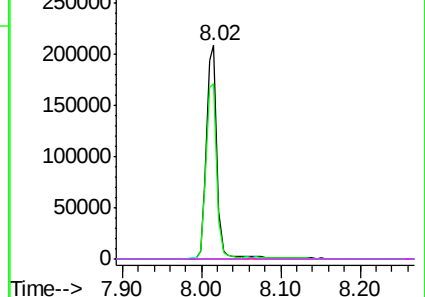


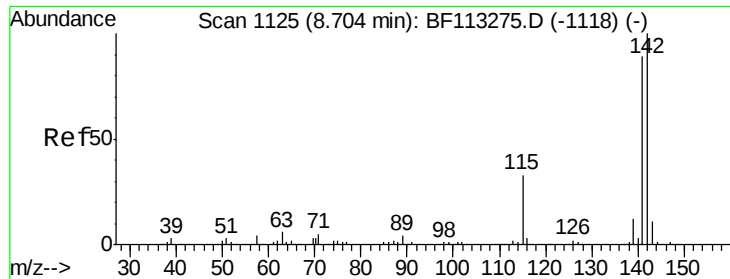
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

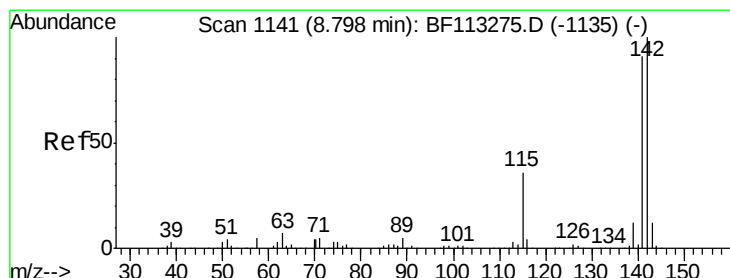
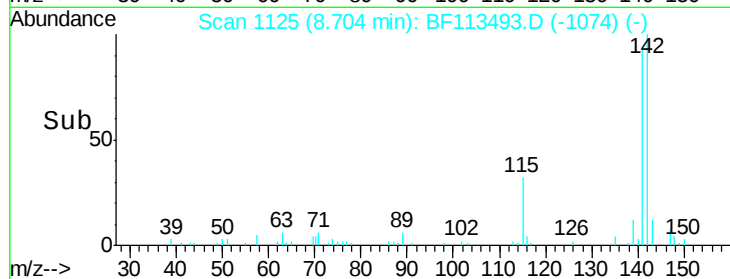
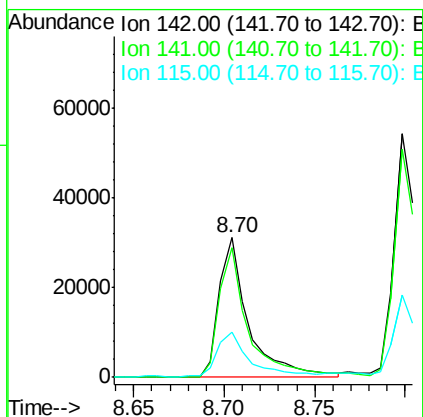
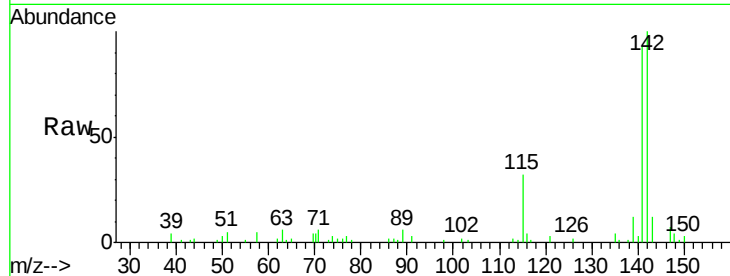




#37
2-Methylnaphthalene
Concen: 2.920 ng
RT: 8.70 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF113493.D
Acq: 2 Apr 2019 6:08

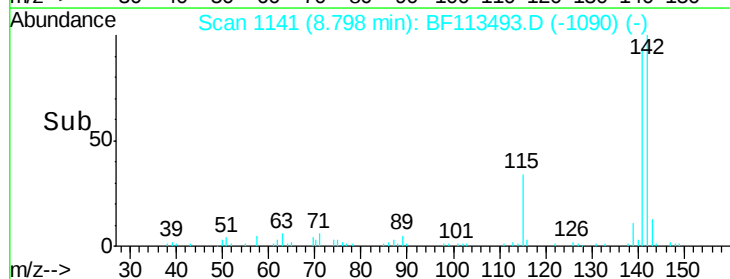
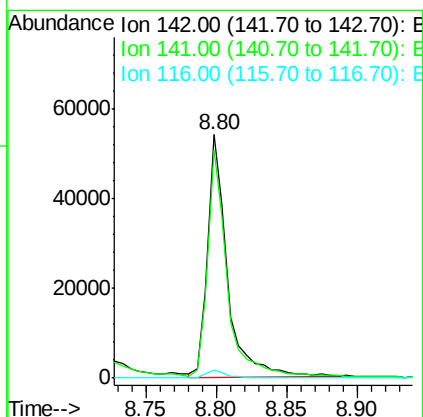
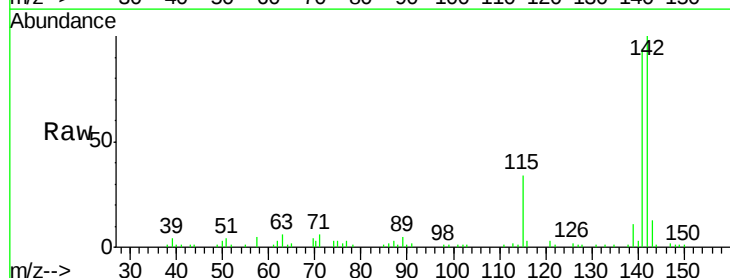
Instrument :
BNA_F
ClientSampleId :

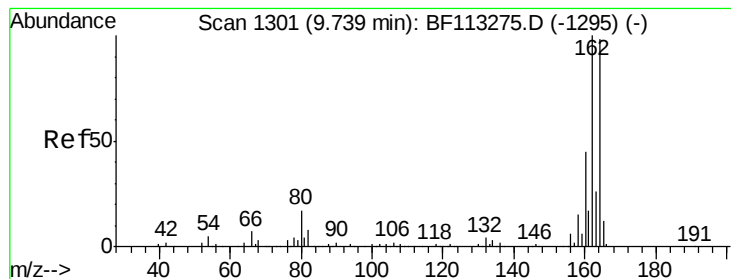
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.0	106.6
115	32.1	26.6	39.8



#38
1-Methylnaphthalene
Concen: 4.535 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BF113493.D
Acq: 2 Apr 2019 6:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.2	109.8
116	3.4	3.0	4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

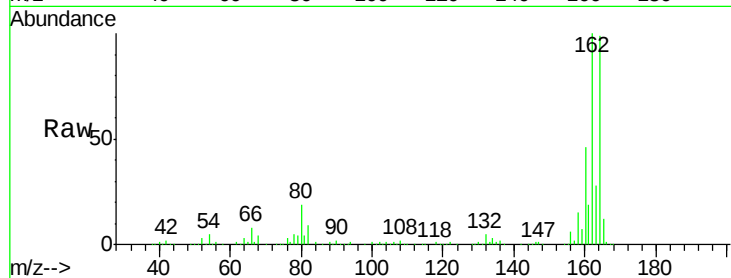
Tot Ion:164 Resp: 201224

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.6

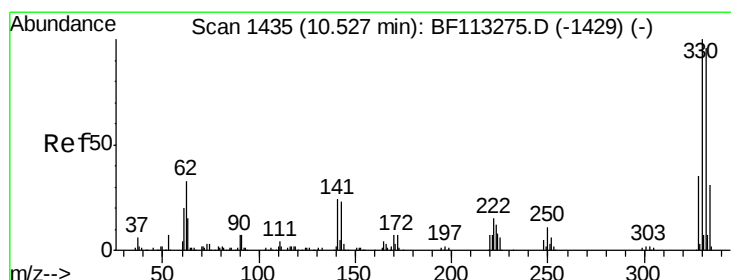
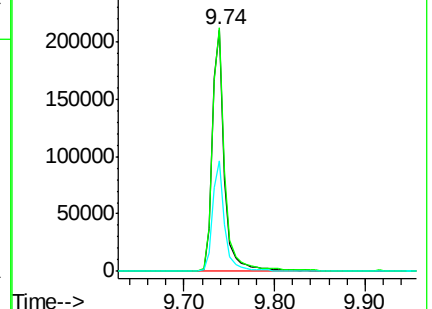
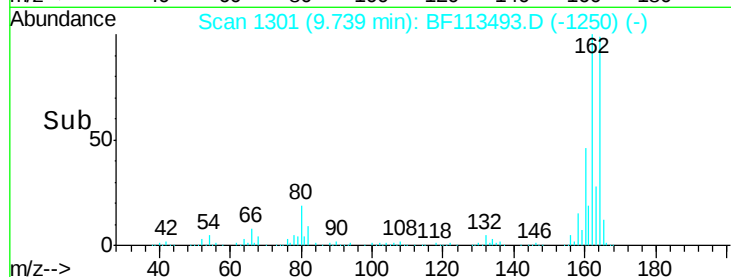
160 45.9 36.4 54.6



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: 2.712 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

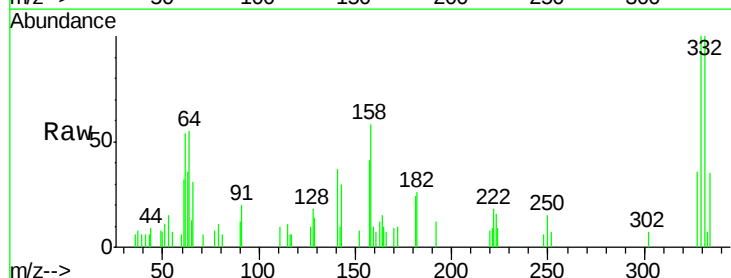
Tgt Ion:330 Resp: 6740

Ion Ratio Lower Upper

330 100

332 95.8 77.8 116.6

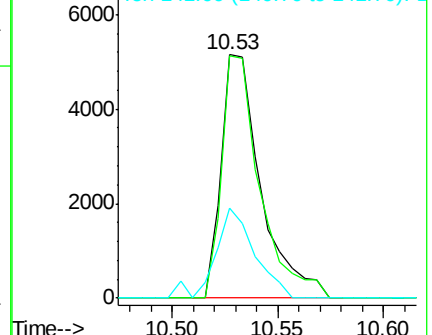
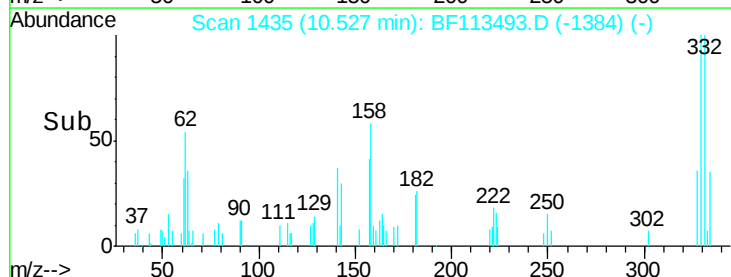
141 36.7 22.7 34.1#

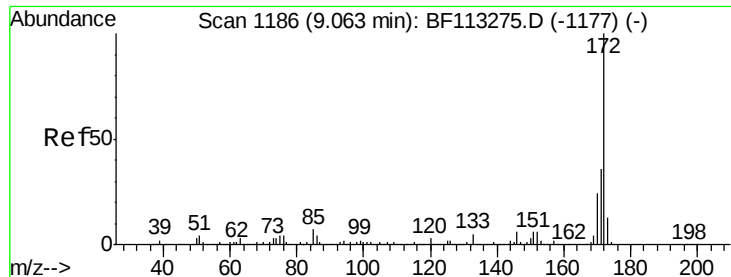


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

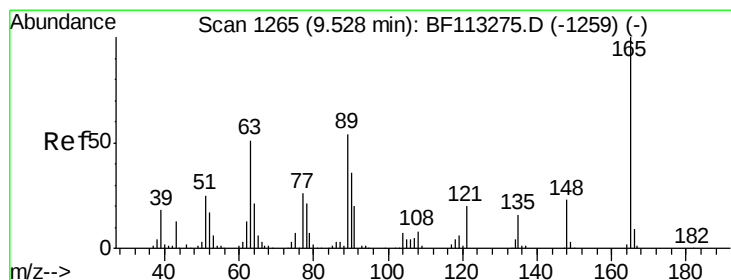
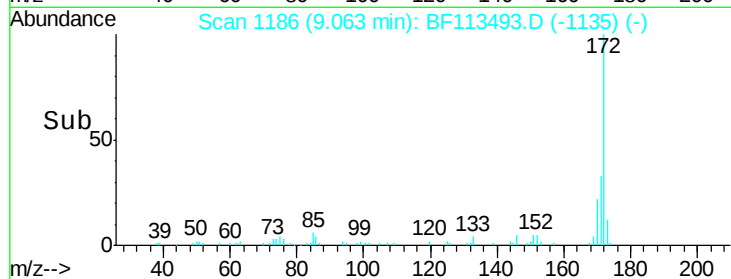
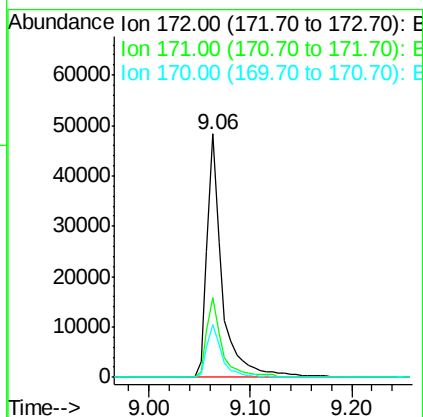
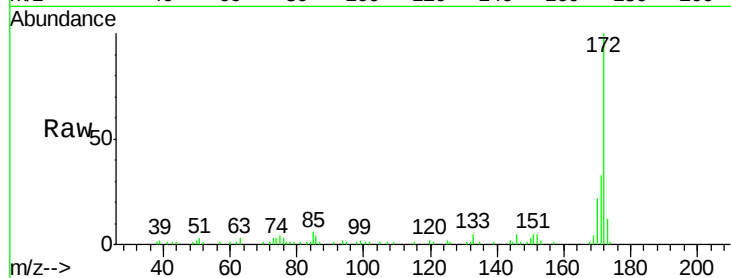




#45
 2-Fluorobiphenyl
 Concen: -17.310 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113493.D
 Acq: 2 Apr 2019 6:08

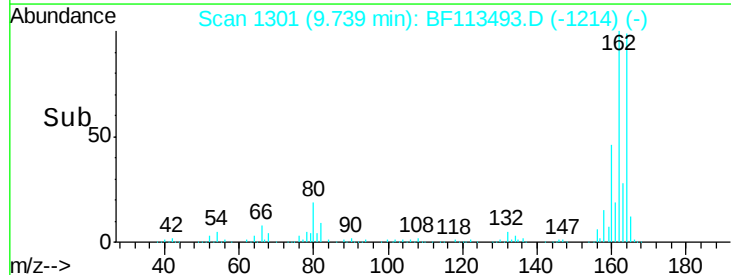
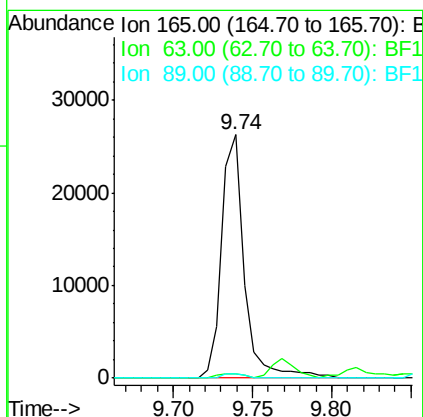
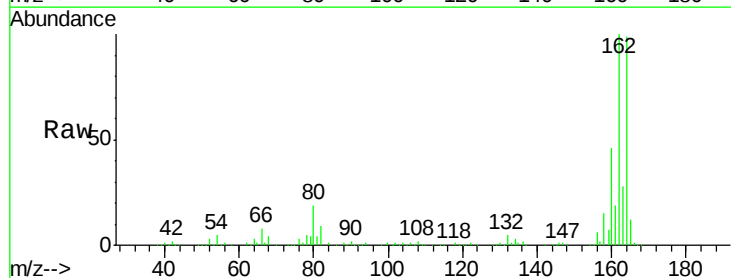
Instrument :
 BNA_F
 ClientSampleId :

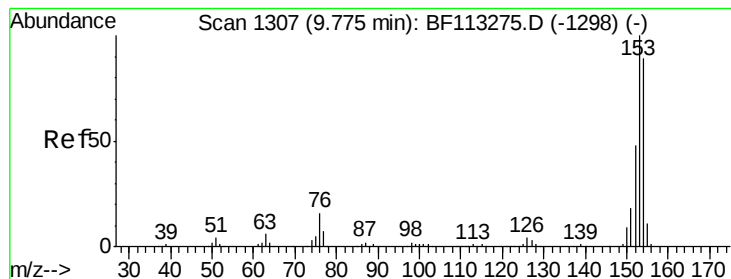
Tot Ion:172 Resp: 50309
 Ion Ratio Lower Upper
 172 100
 171 32.9 29.0 43.6
 170 21.8 19.5 29.3



#51
 2,6-Dinitrotoluene
 Concen: 7.766 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF113493.D
 Acq: 2 Apr 2019 6:08

Tgt Ion:165 Resp: 26125
 Ion Ratio Lower Upper
 165 100
 63 1.7 43.4 65.0#
 89 1.8 43.1 64.7#





#52

Acenaphthene

Concen: 2.092 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

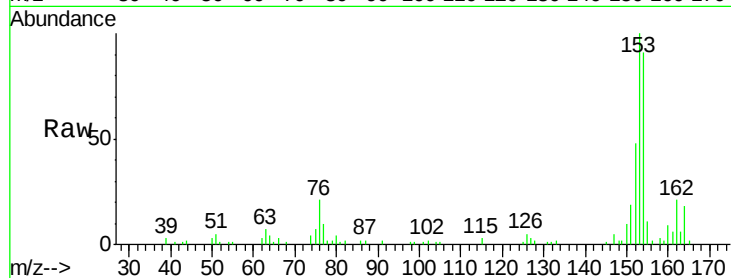
Tot Ion:154 Resp: 24646

Ion Ratio Lower Upper

154 100

153 109.5 89.5 134.3

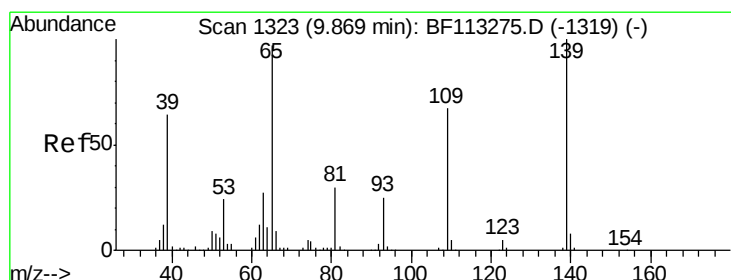
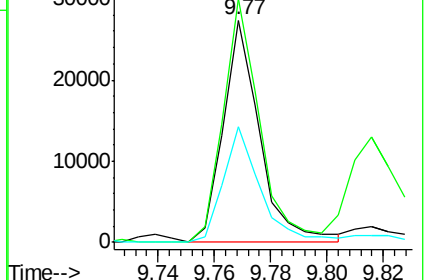
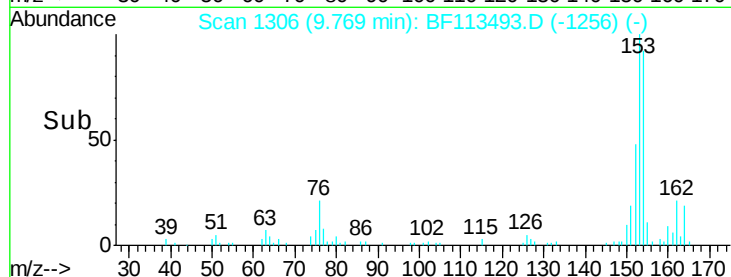
152 52.1 43.3 64.9



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



#56

4-Nitrophenol

Concen: 3.384 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.08 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

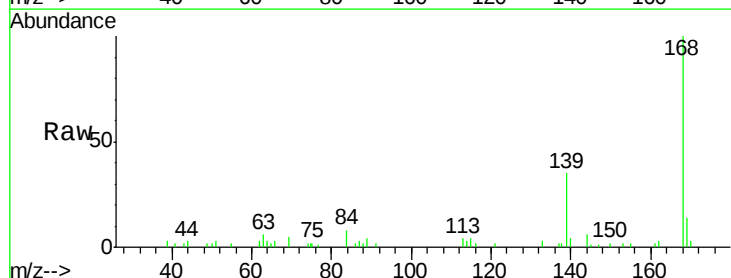
Tgt Ion:139 Resp: 9153

Ion Ratio Lower Upper

139 100

109 0.0 46.9 86.9#

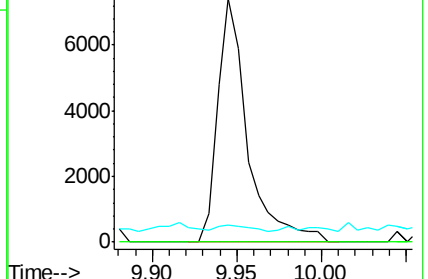
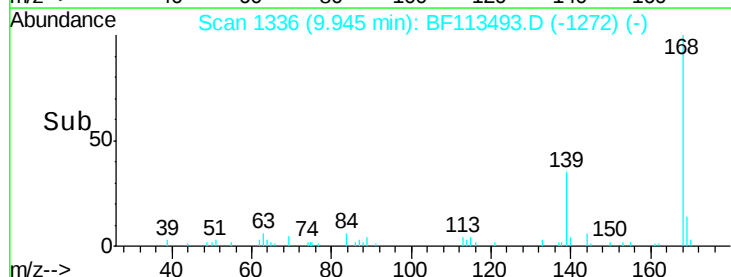
65 7.1 77.2 117.2#

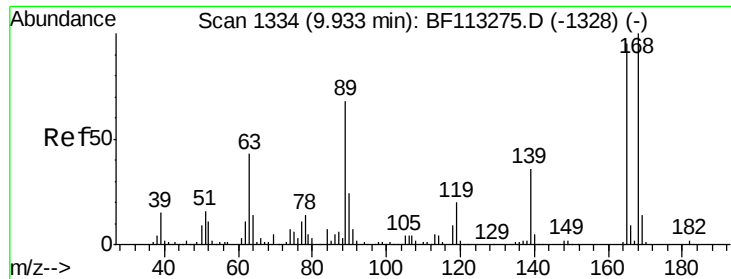


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

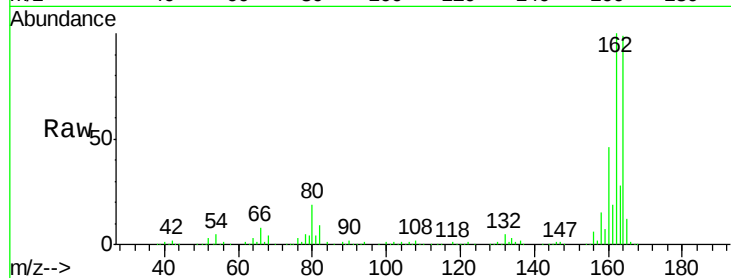




#57
 2,4-Dinitrotoluene
 Concen: 6.107 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.19 min
 Lab File: BF113493.D
 Acq: 2 Apr 2019 6:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	37.5	56.3#
89	1.8	57.4	86.2#
182	0.0	2.0	3.0#

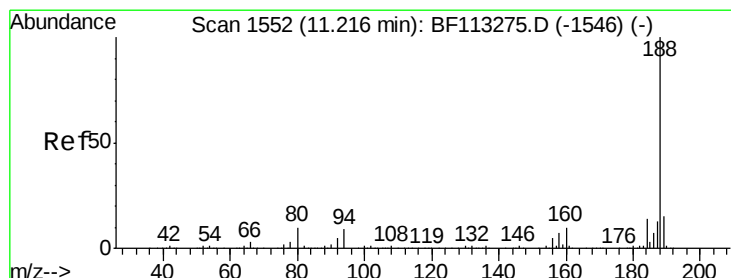
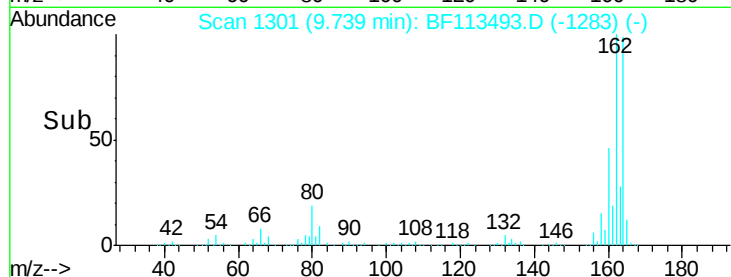
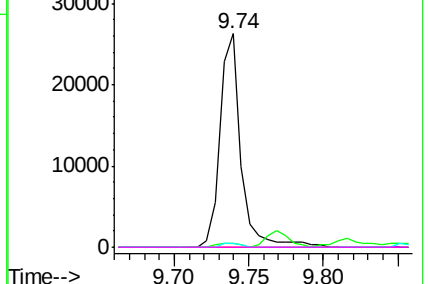


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



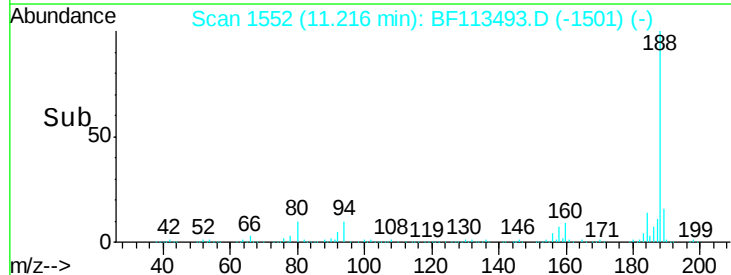
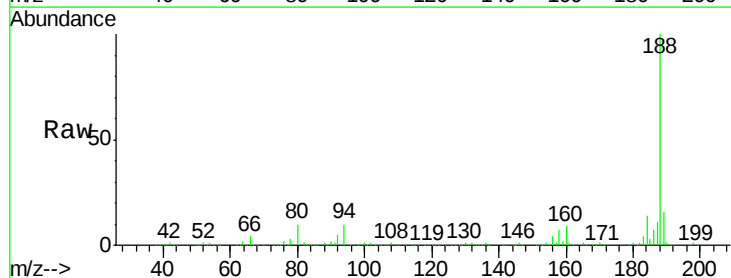
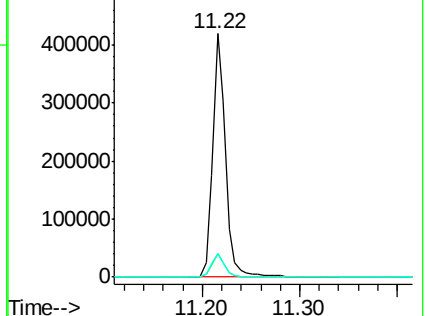
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF113493.D
 Acq: 2 Apr 2019 6:08

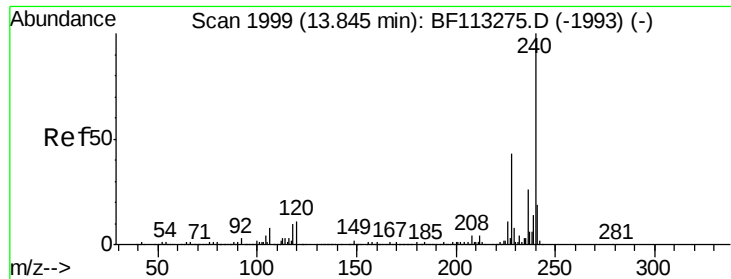
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.6
80	9.8	7.7	11.5

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

Instrument :

BNA_F

ClientSampleId :

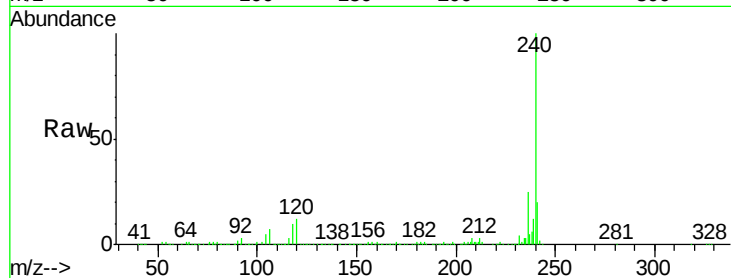
Tot Ion:240 Resp: 369466

Ion Ratio Lower Upper

240 100

120 11.6 8.8 13.2

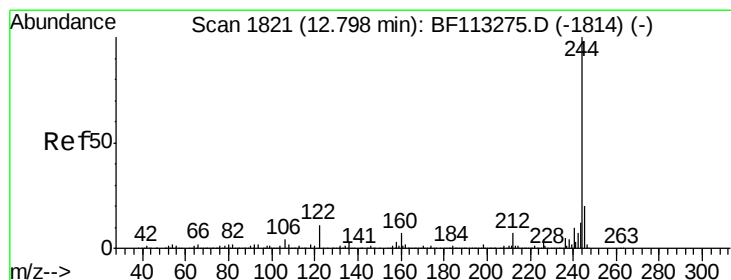
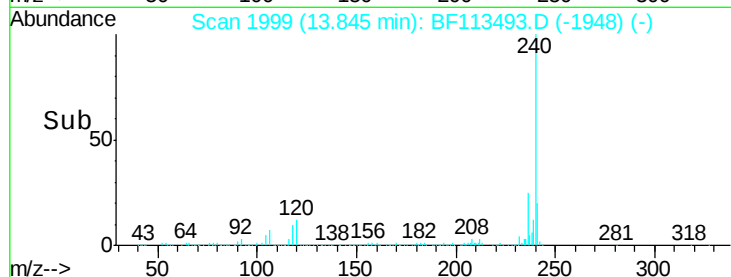
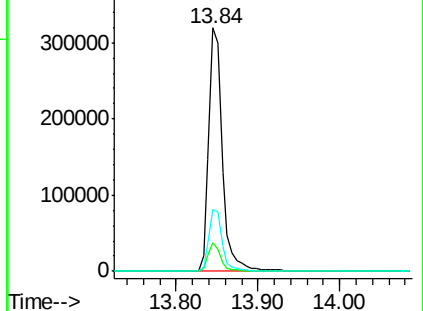
236 25.2 20.9 31.3



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: 3.528 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113493.D

Acq: 2 Apr 2019 6:08

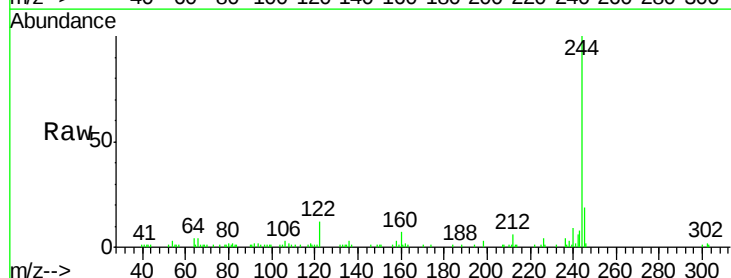
Tgt Ion:244 Resp: 59137

Ion Ratio Lower Upper

244 100

212 6.1 5.5 8.3

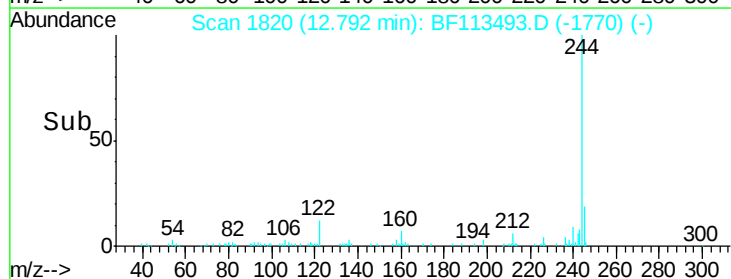
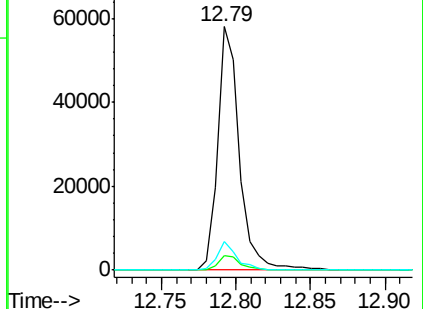
122 11.8 8.6 13.0

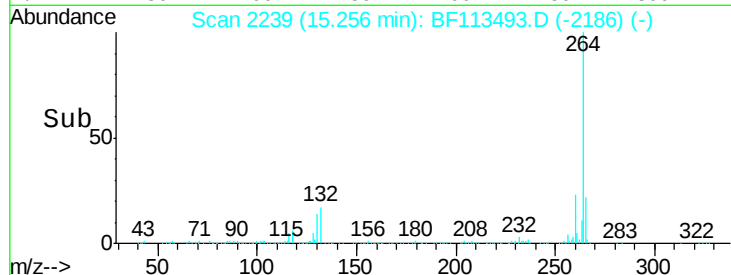
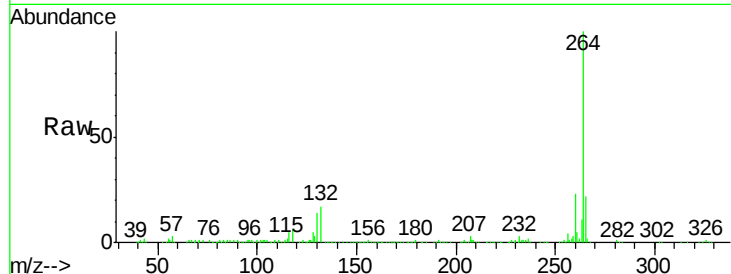
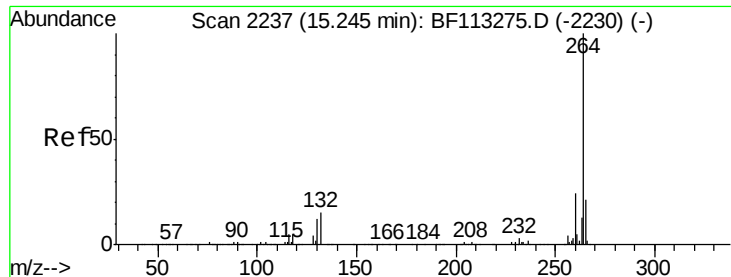


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113493.D
Acq: 2 Apr 2019 6:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.1	17.1	25.7

