

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112109.D
 Acq On : 18 Jan 2019 1:08
 Operator : JU/SJ
 Sample : K1166-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Jan 18 03:17:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	280385	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1026748	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	447336	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	719900	20.00	ng	0.00
76) Chrysene-d12	14.02	240	636113	20.00	ng	-0.01
87) Perylene-d12	15.50	264	489319	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	648456	41.98	ng	0.00
7) Phenol-d6	6.50	99	498538	25.79	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1503624	101.18	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	413066	85.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2729429	89.46	ng	0.00
79) Terphenyl-d14	12.97	244	2168541	72.52	ng	0.00

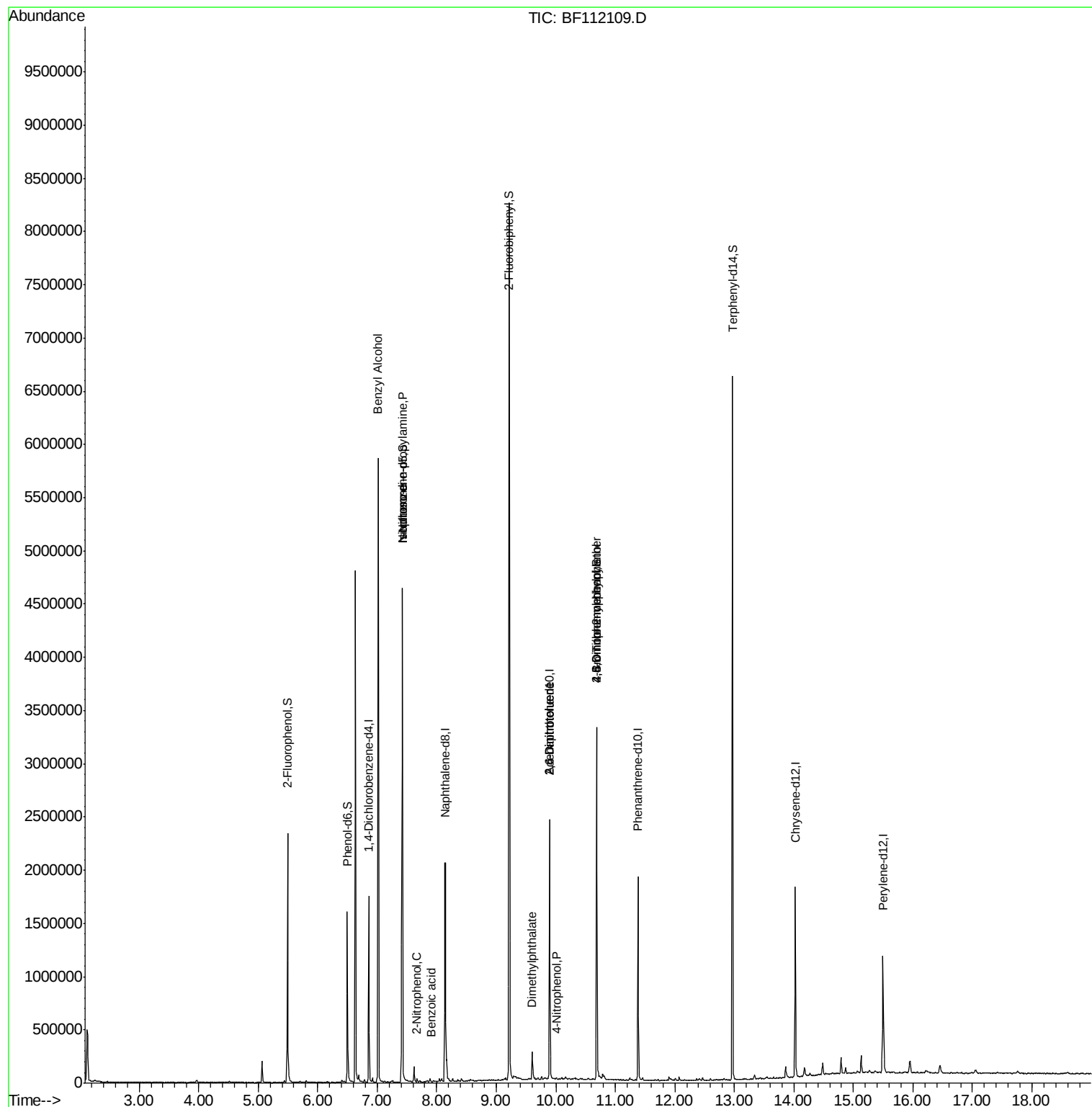
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	7183	Below Cal		98
15) Benzyl Alcohol	7.02	79	32989	2.291	ng	# 48
19) n-Nitroso-di-n-propylamine	7.42	70	204568	17.374	ng	# 79
25) Isophorone	7.42	82	1498052	52.188	ng	# 64
26) 2-Nitrophenol	7.67	139	173	5.700	ng	# 20
32) Benzoic acid	7.91	122	228	7.209	ng	84
50) Dimethylphthalate	9.60	163	92886	2.847	ng	98
51) 2,6-Dinitrotoluene	9.90	165	57359	8.804	ng	# 34
56) 4-Nitrophenol	10.02	139	1347	5.895	ng	# 64
57) 2,4-Dinitrotoluene	9.90	165	57359	10.785	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	770	10.272	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	23529	2.814	ng	# 1

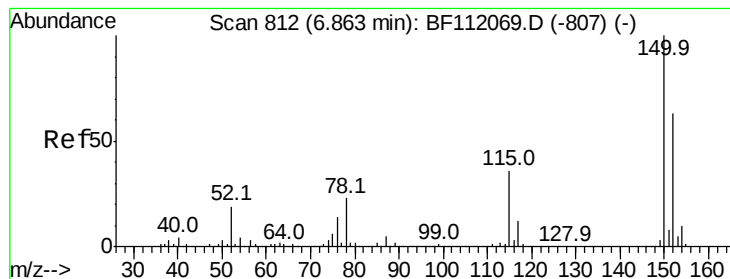
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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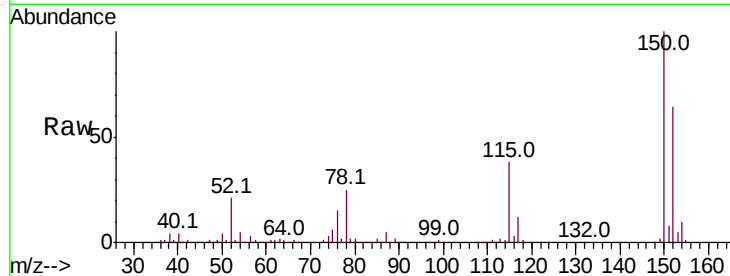


#1

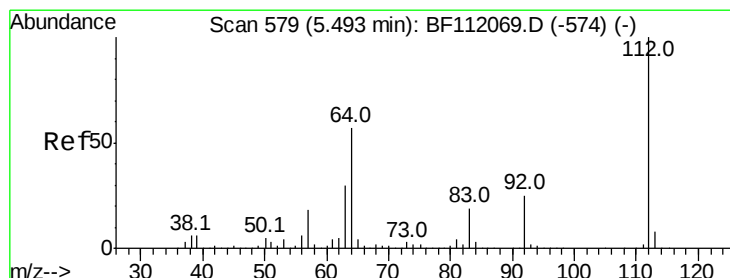
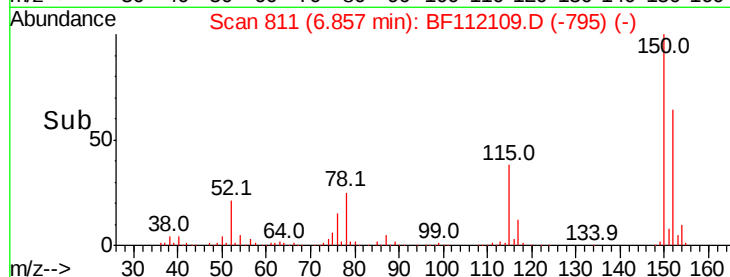
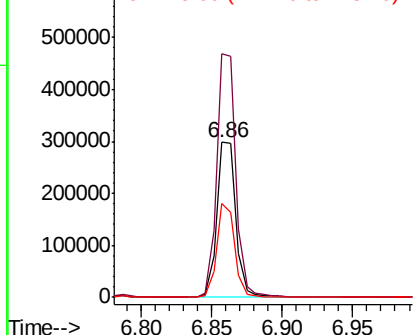
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:152 Resp: 280385
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 60.4 45.5 68.3



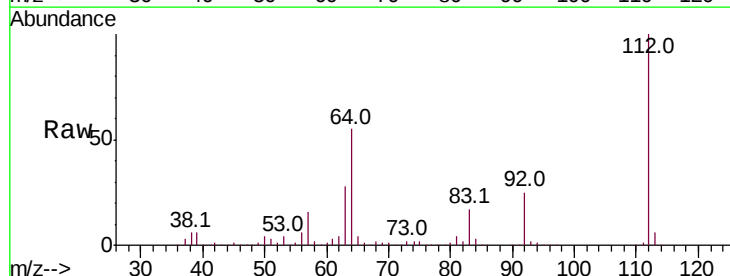
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



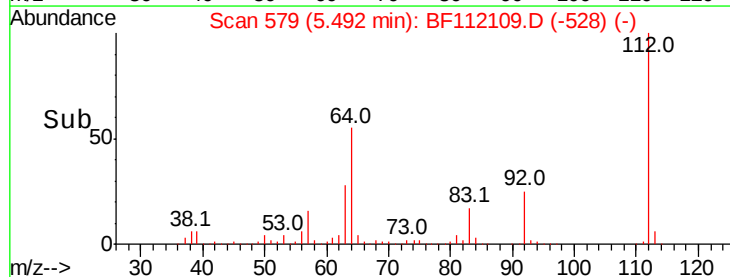
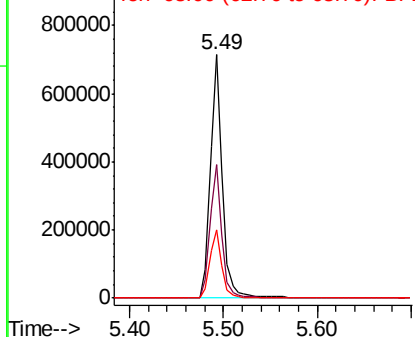
#5

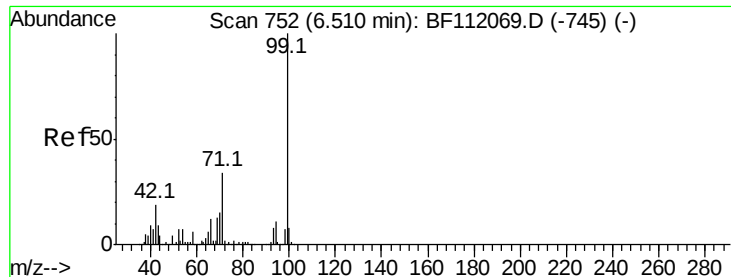
2-Fluorophenol
Concen: 41.977 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Tgt Ion:112 Resp: 648456
Ion Ratio Lower Upper
112 100
64 54.7 45.7 68.5
63 27.9 23.6 35.4



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: 25.794 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

Instrument :

BNA_F

ClientSampleId :

DFTPP

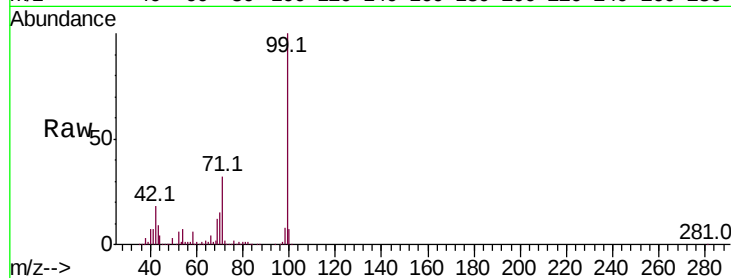
Tot Ion: 99 Resp: 498538

Ion Ratio Lower Upper

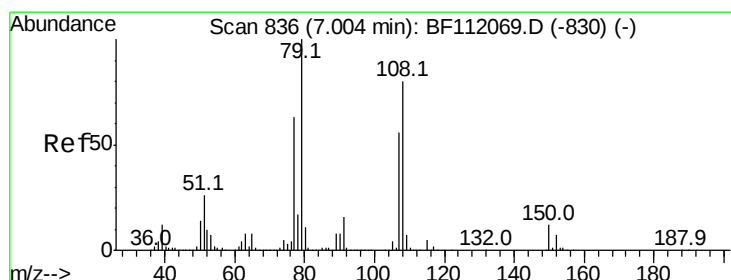
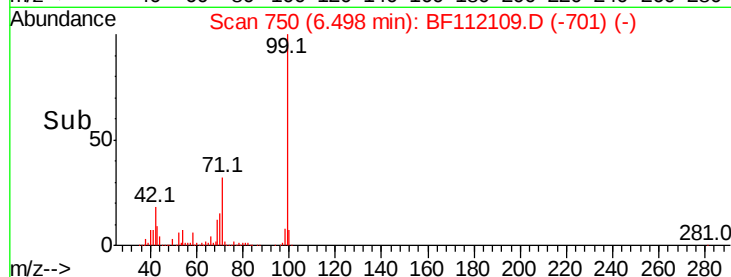
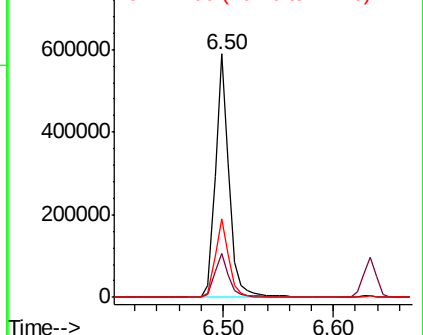
99 100

42 17.8 15.1 22.7

71 32.4 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 2.291 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

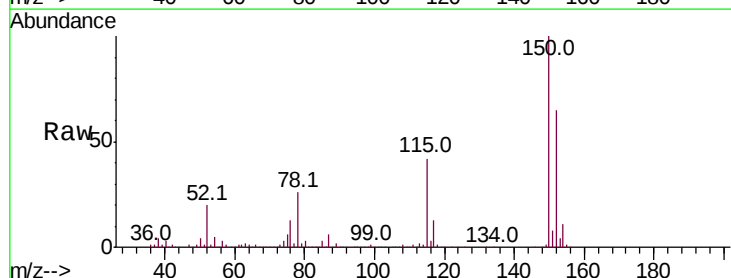
Tgt Ion: 79 Resp: 32989

Ion Ratio Lower Upper

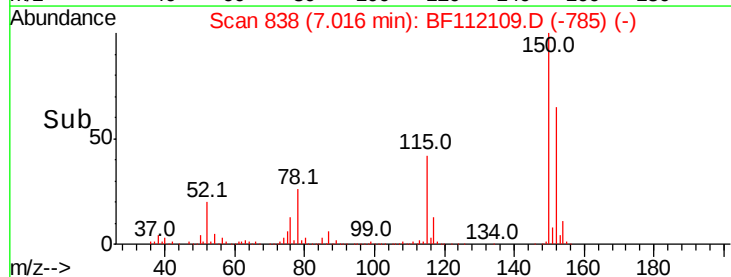
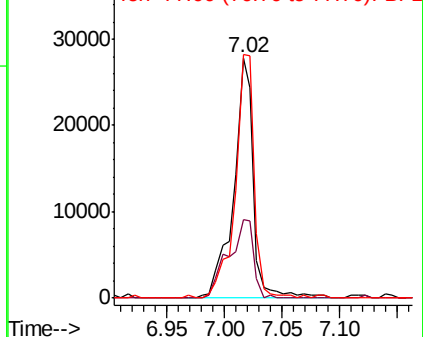
79 100

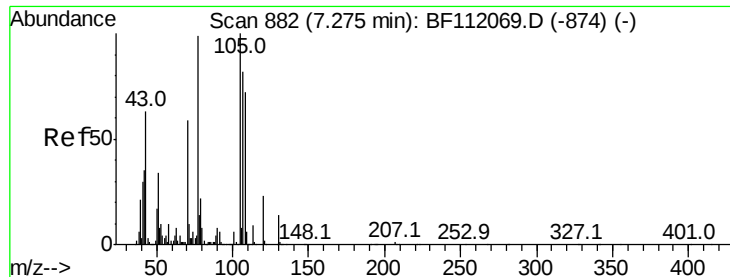
108 32.6 64.2 96.2#

77 101.6 50.3 75.5#



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

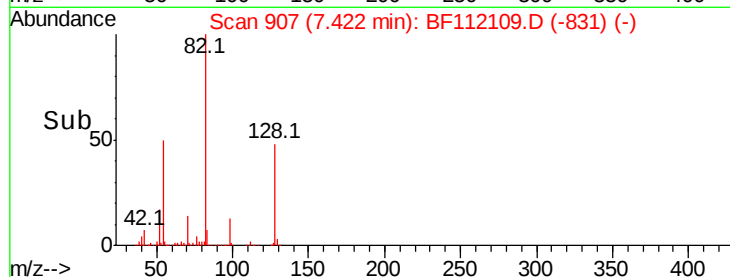
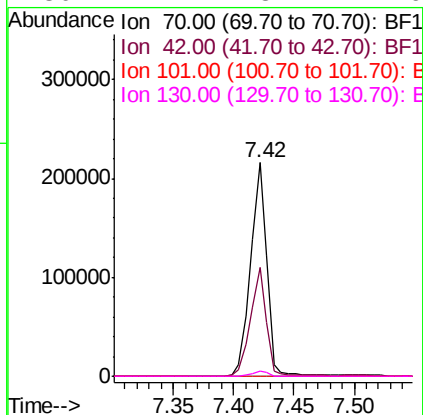
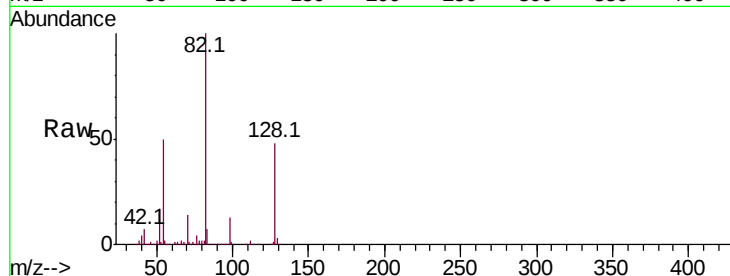




#19
n-Nitroso-di-n-propylamine
Concen: 17.374 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

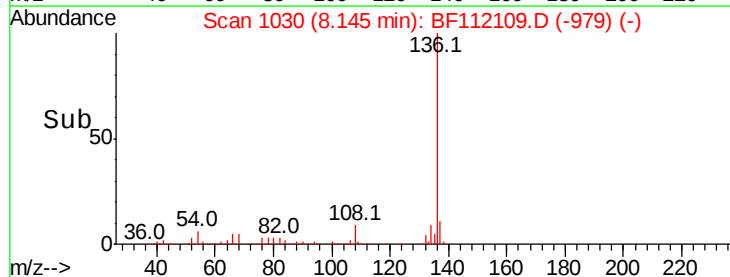
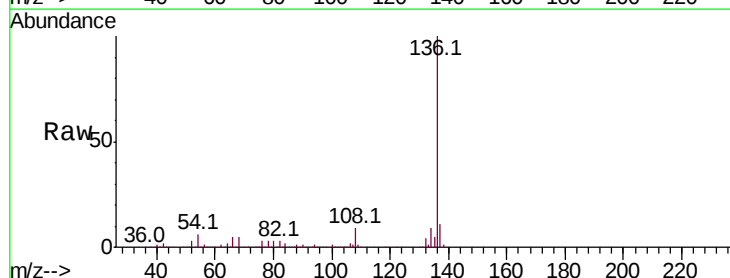
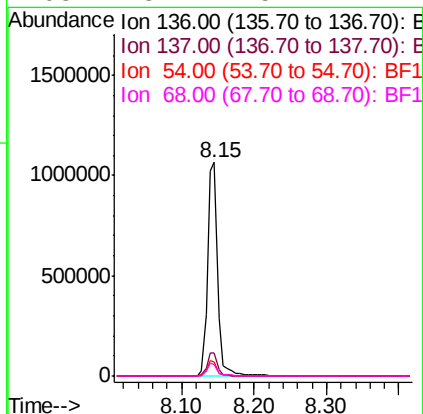
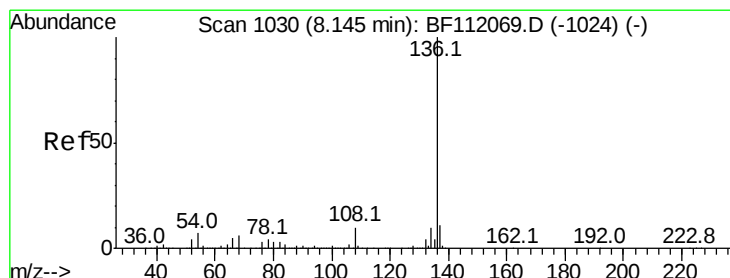
Instrument :
BNA_F
ClientSampleId :
DFTPP

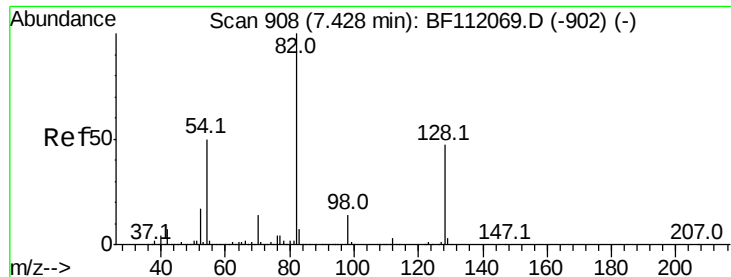
Tot Ion: 70 Resp: 204568
Ion Ratio Lower Upper
70 100
42 51.0 47.6 71.4
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Tgt Ion: 136 Resp: 1026748
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.4 5.9 8.9
68 5.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 101.178 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

Instrument :

BNA_F

ClientSampleId :

DFTPP

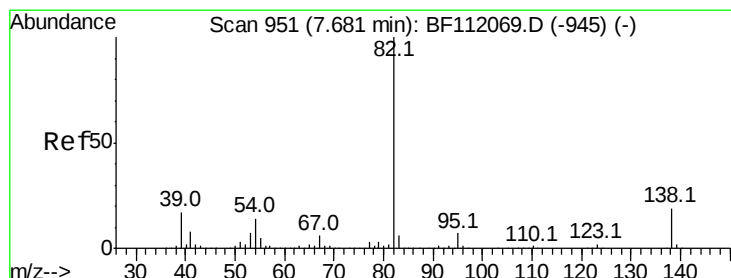
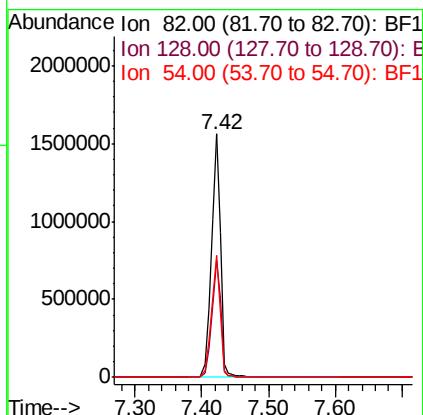
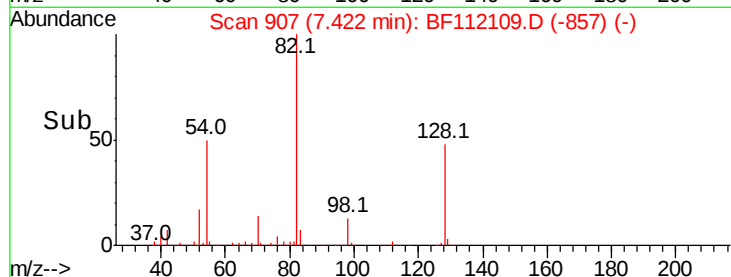
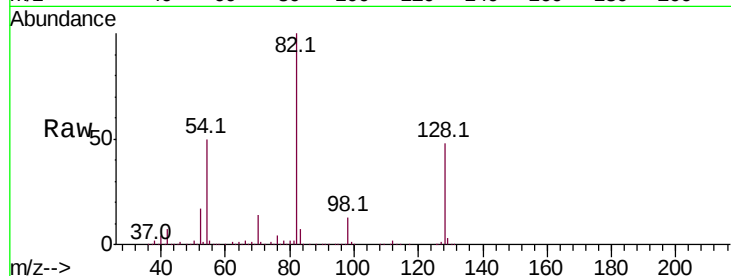
Tot Ion: 82 Resp: 1503624

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

54 49.9 39.7 59.5



#25

Isophorone

Concen: 52.188 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

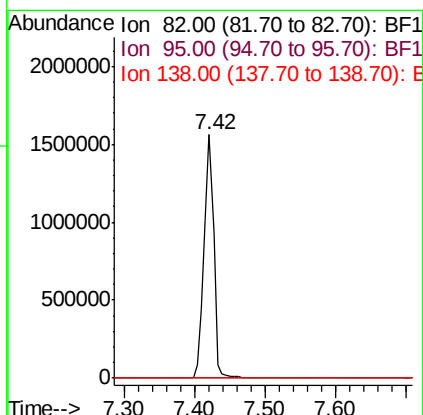
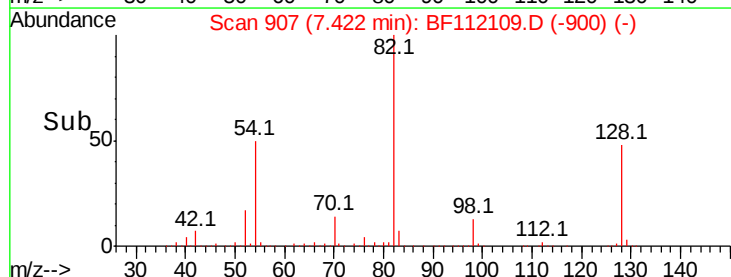
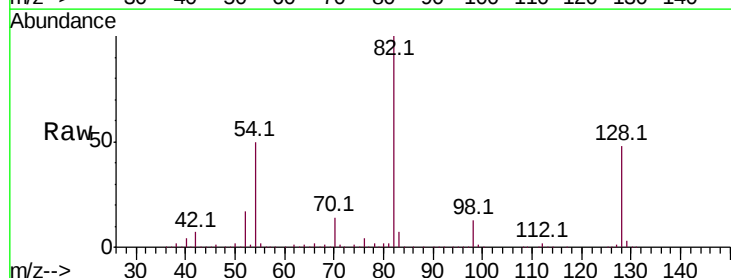
Tgt Ion: 82 Resp: 1498052

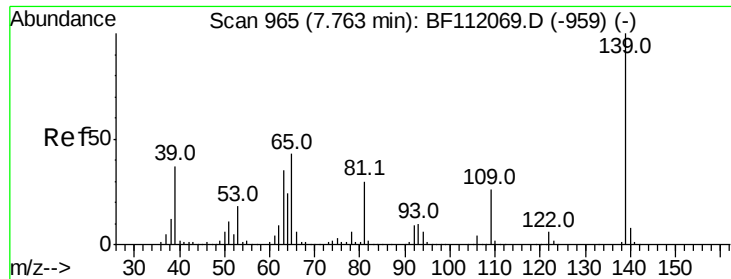
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#

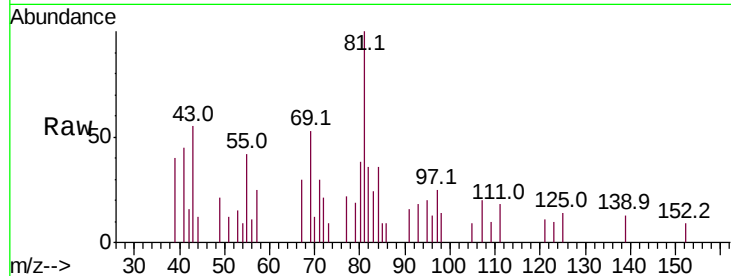




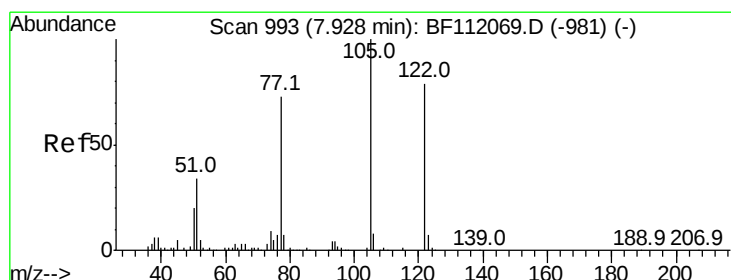
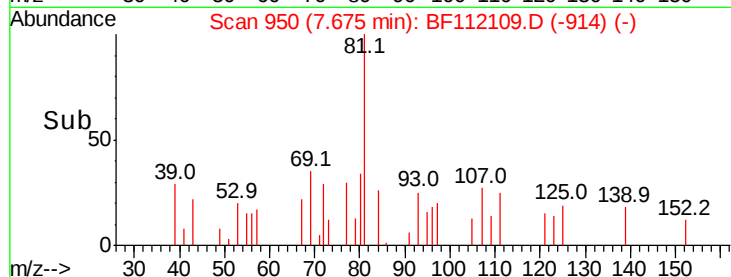
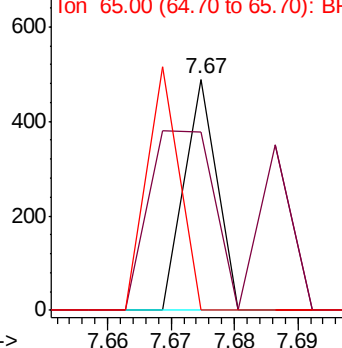
#26
2-Nitrophenol
Concen: 5.700 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.09 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:139 Resp: 173
Ion Ratio Lower Upper
139 100
109 77.1 20.8 31.2#
65 0.0 34.4 51.6#

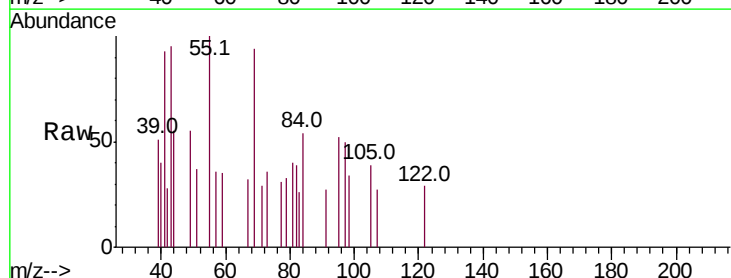


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

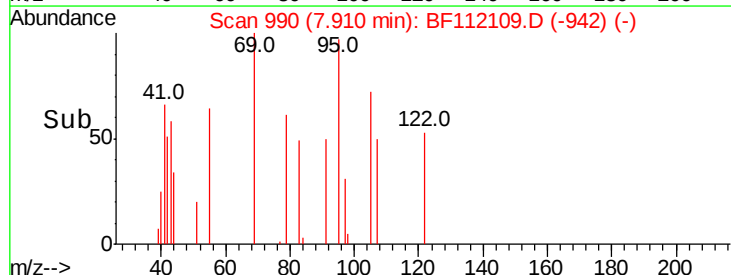
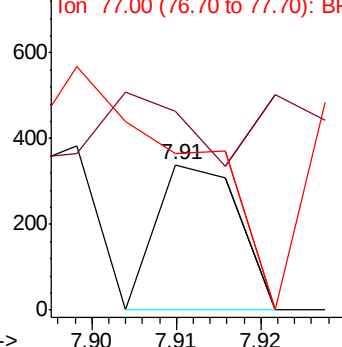


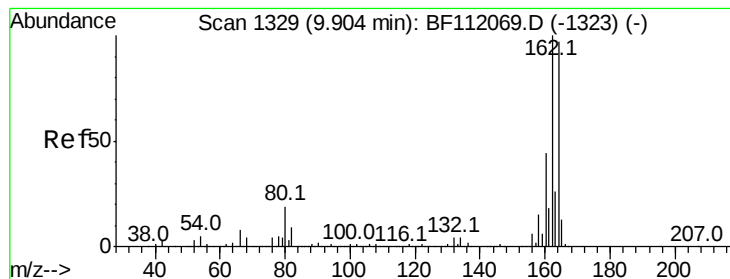
#32
Benzoic acid
Concen: 7.209 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Tgt Ion:122 Resp: 228
Ion Ratio Lower Upper
122 100
105 136.6 101.2 141.2
77 107.7 70.4 110.4



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

Instrument :

BNA_F

ClientSampleId :

DFTPP

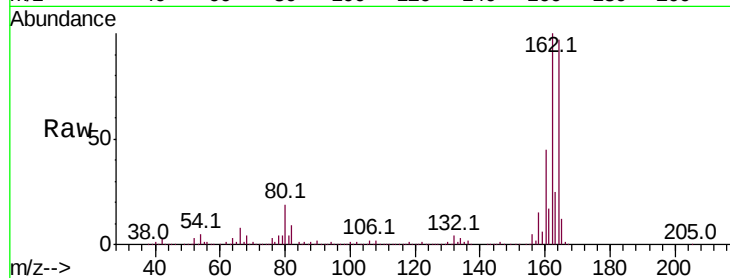
Tot Ion:164 Resp: 447336

Ion Ratio Lower Upper

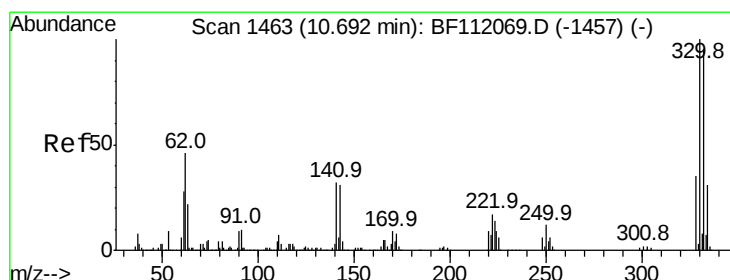
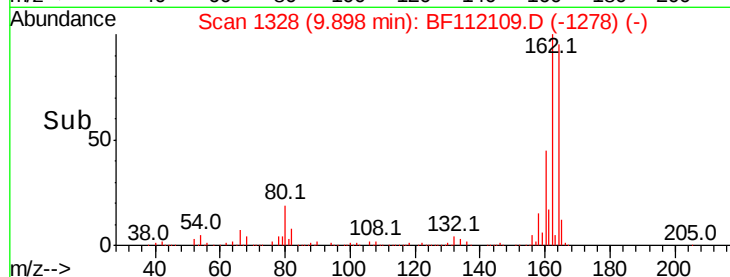
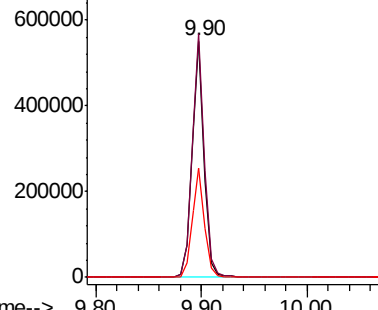
164 100

162 103.1 82.2 123.4

160 46.0 36.2 54.4



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: 85.596 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

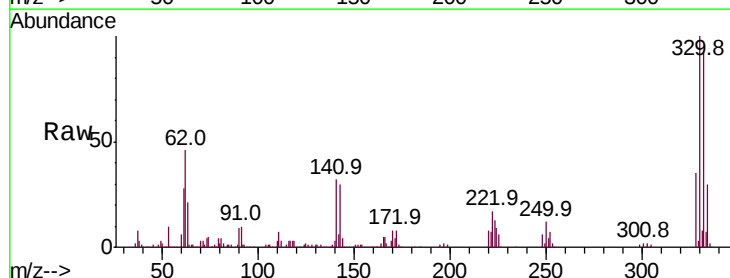
Tgt Ion:330 Resp: 413066

Ion Ratio Lower Upper

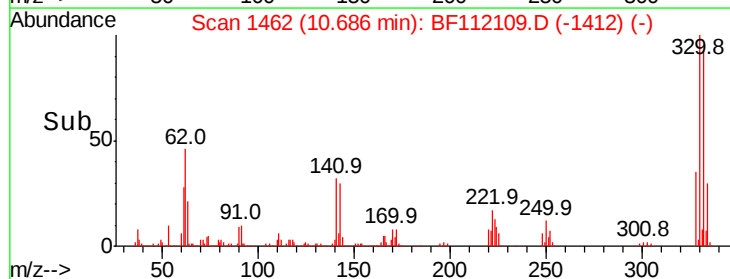
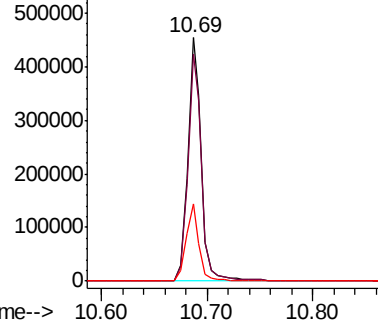
330 100

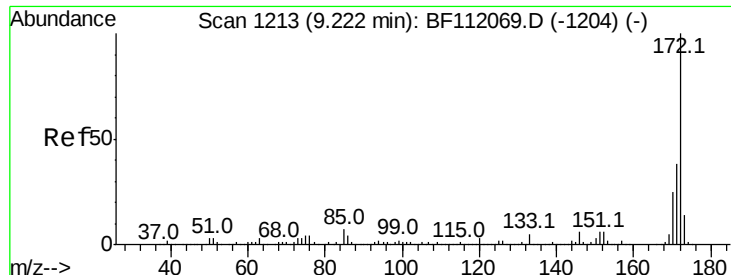
332 95.2 76.6 114.8

141 30.6 24.3 36.5



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

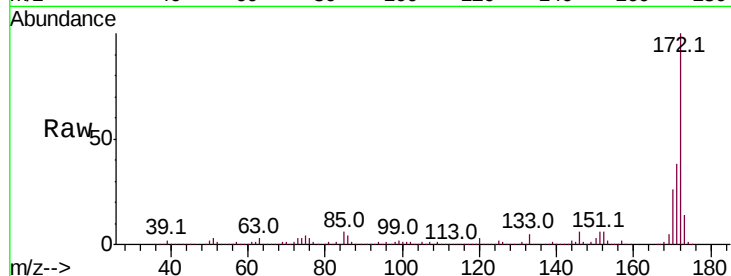




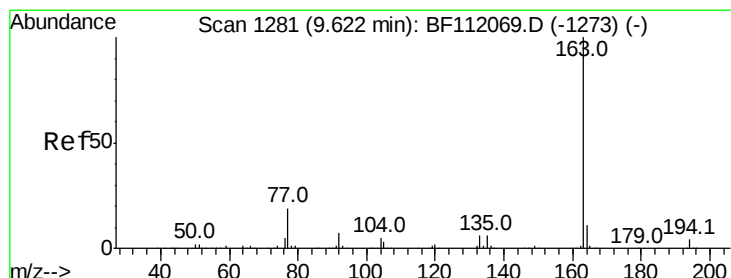
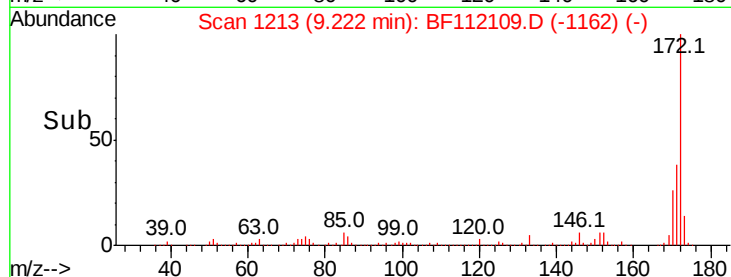
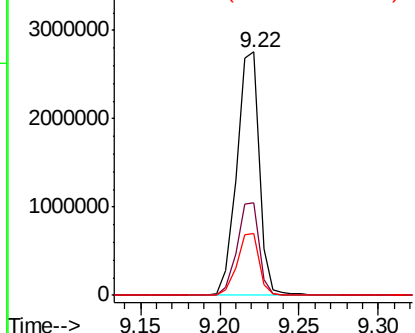
#45
2-Fluorobiphenyl
Concen: 89.455 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:172 Resp: 2729429
Ion Ratio Lower Upper
172 100
171 37.9 30.5 45.7
170 25.6 20.2 30.4

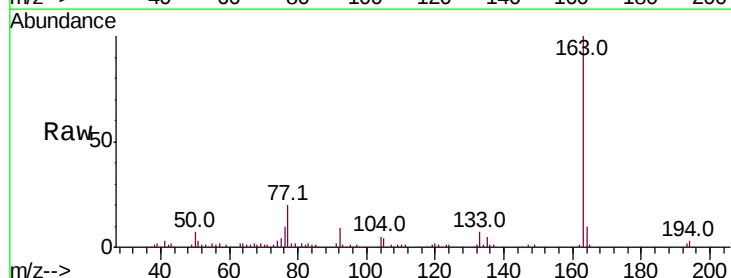


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

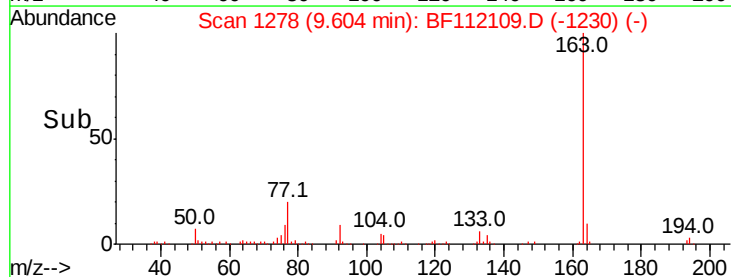
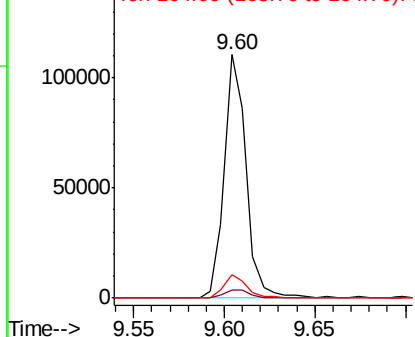


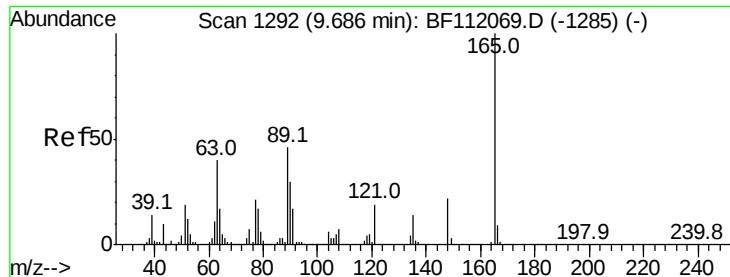
#50
Dimethylphthalate
Concen: 2.847 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Tgt Ion:163 Resp: 92886
Ion Ratio Lower Upper
163 100
194 3.5 3.3 4.9
164 9.8 8.5 12.7



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: 8.804 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

Instrument :

BNA_F

ClientSampleId :

DFTPP

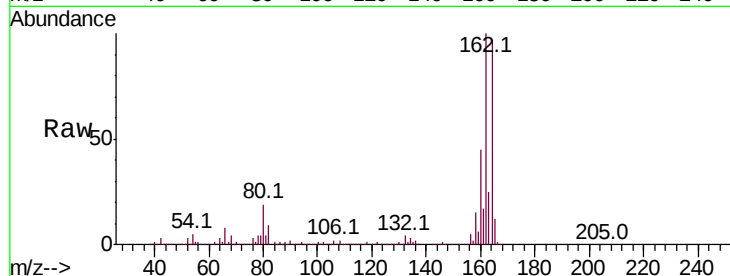
Tot Ion:165 Resp: 57359

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

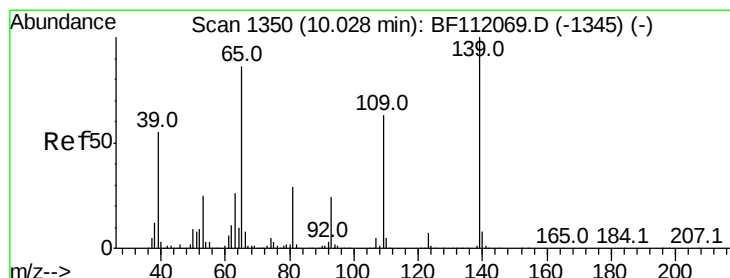
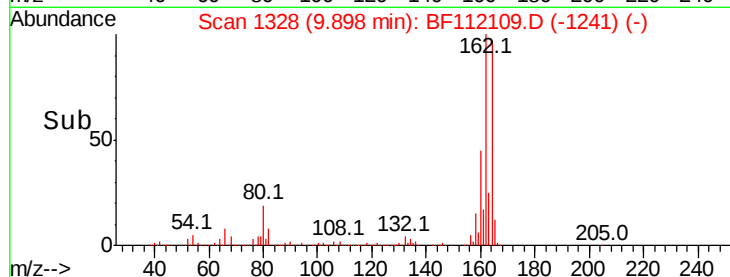
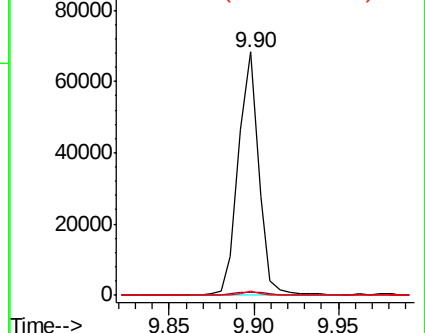
89 1.5 36.9 55.3#



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



#56

4-Nitrophenol

Concen: 5.895 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

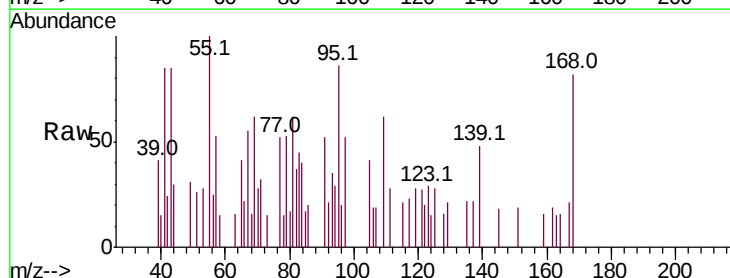
Tgt Ion:139 Resp: 1347

Ion Ratio Lower Upper

139 100

109 128.9 42.8 82.8#

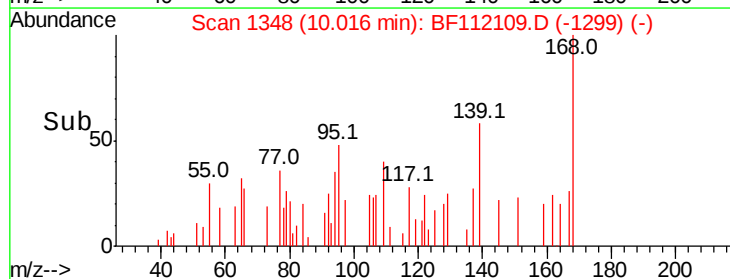
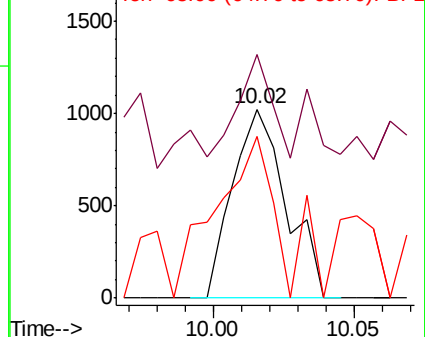
65 85.9 66.1 106.1

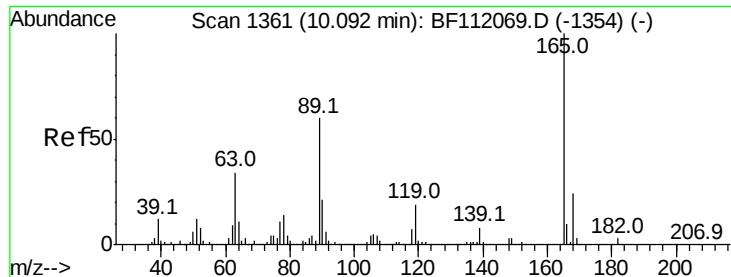


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

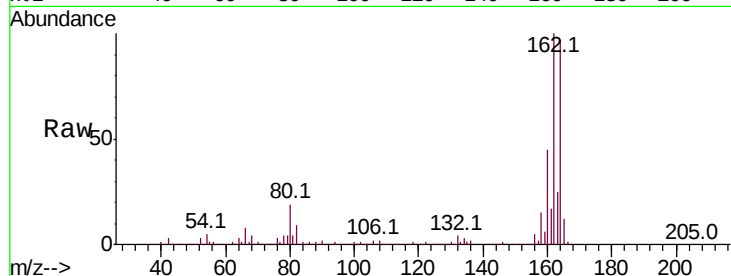




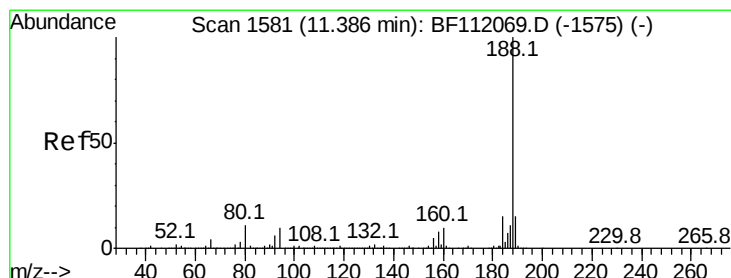
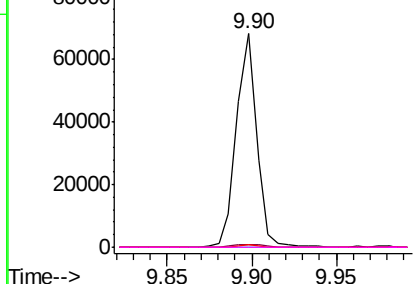
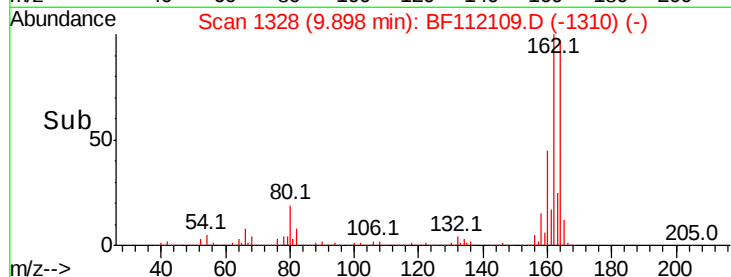
#57
2,4-Dinitrotoluene
Concen: 10.785 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Instrument :
BNA_F
ClientSampled :
DFTPP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#

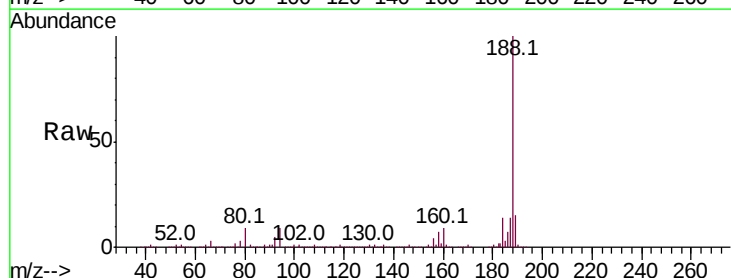


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

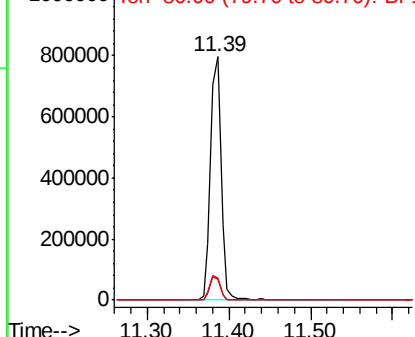
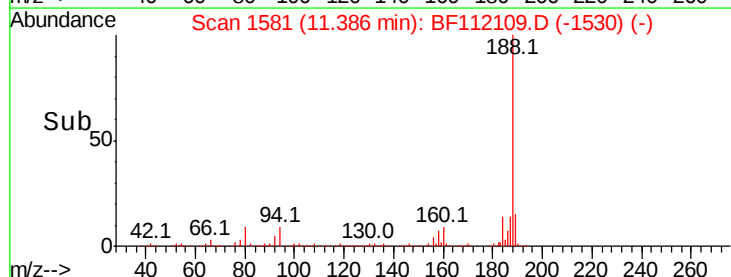


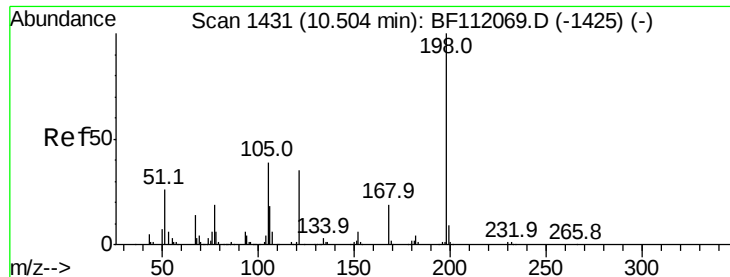
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112109.D
Acq: 18 Jan 2019 1:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.1	8.9	13.3



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: 10.272 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

Instrument :

BNA_F

ClientSampleId :

DFTPP

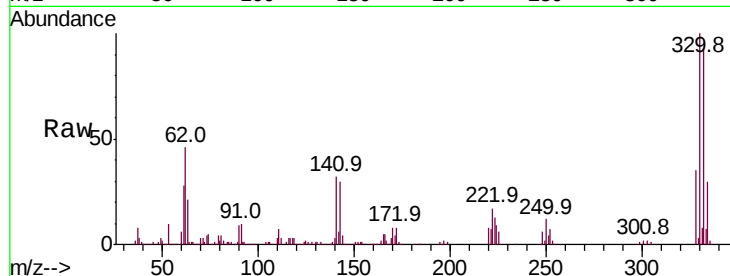
Tot Ion:198 Resp: 770

Ion Ratio Lower Upper

198 100

51 230.7 17.2 57.2#

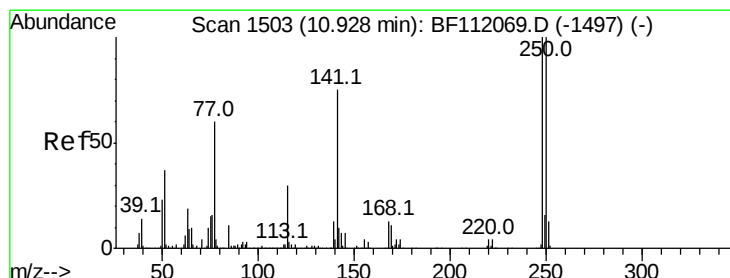
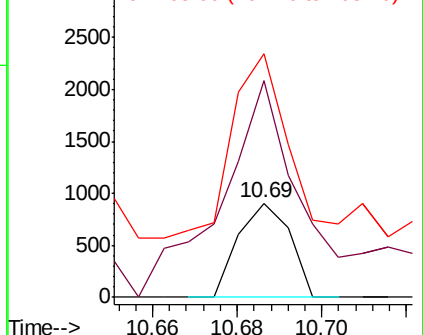
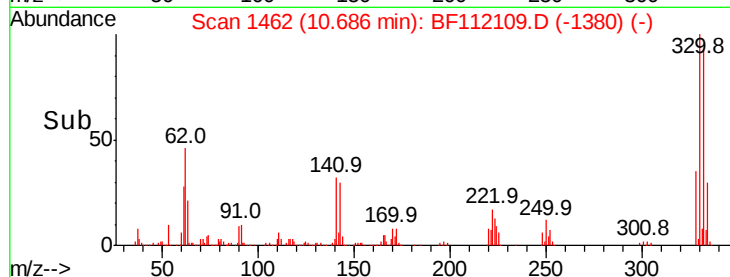
105 258.8 21.9 61.9#



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



#67

4-Bromophenyl-phenylether

Concen: 2.814 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF112109.D

Acq: 18 Jan 2019 1:08

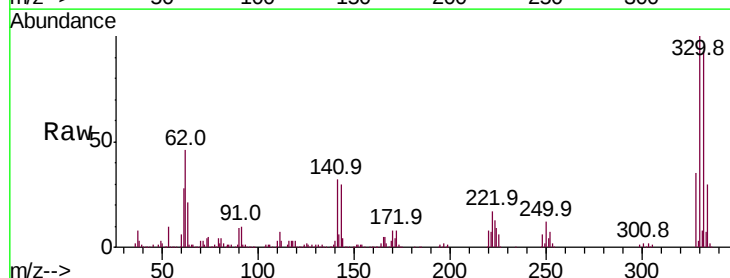
Tgt Ion:248 Resp: 23529

Ion Ratio Lower Upper

248 100

250 197.8 79.7 119.5#

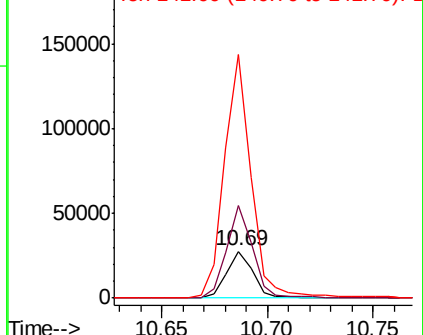
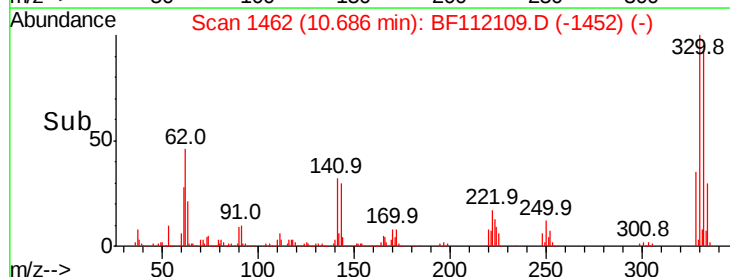
141 522.6 60.3 90.5#

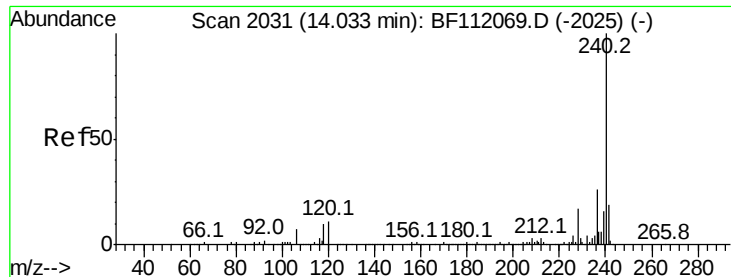


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

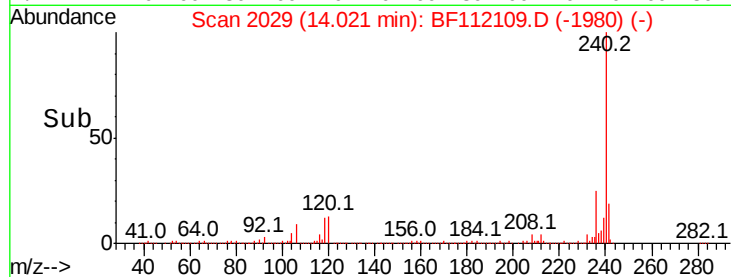
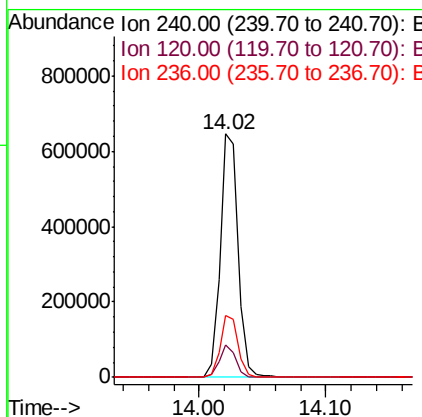
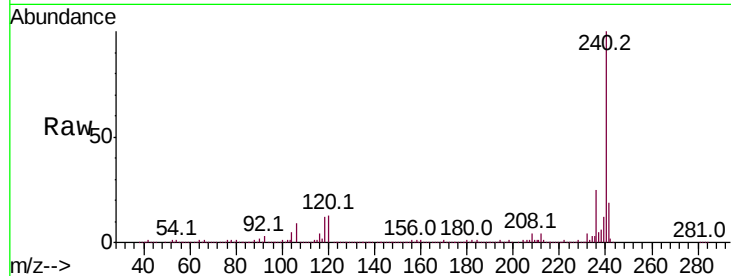




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112109.D
 Acq: 18 Jan 2019 1:08

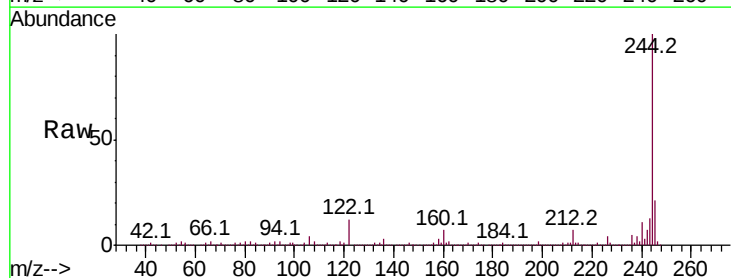
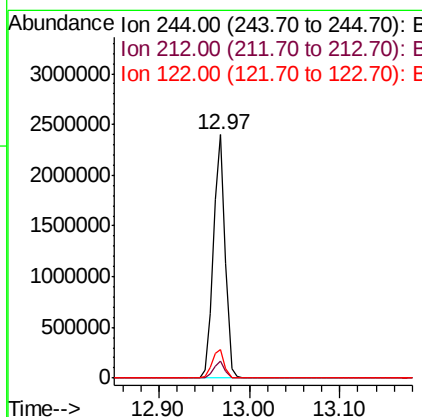
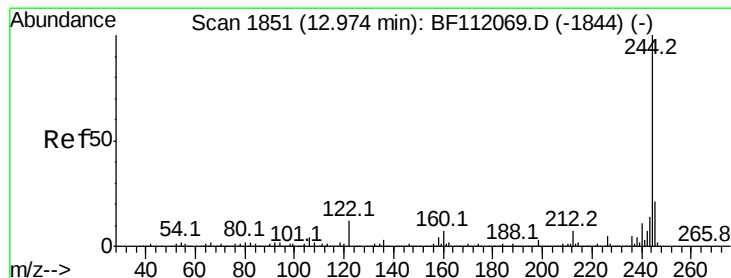
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

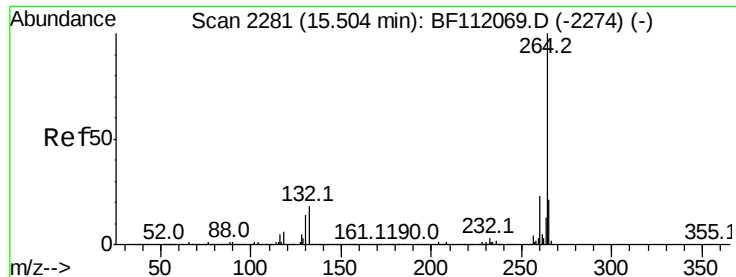
Tot Ion:240 Resp: 636113
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.0 13.6
 236 25.2 20.7 31.1



#79
 Terphenyl-d14
 Concen: 72.523 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF112109.D
 Acq: 18 Jan 2019 1:08

Tgt Ion:244 Resp: 2168541
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 11.8 9.8 14.6





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF112109.D
 Acq: 18 Jan 2019 1:08

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tot Ion: 264 Resp: 489319
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.2 27.2
 265 21.0 17.0 25.4

