

Data Path : Z:\HPCHEM1\BNA F\Data\BF021317\
 Data File : BF092916.D
 Acq On : 13 Feb 2017 10:54
 Operator : SJ/MA
 Sample : I1772-03DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 11:38:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

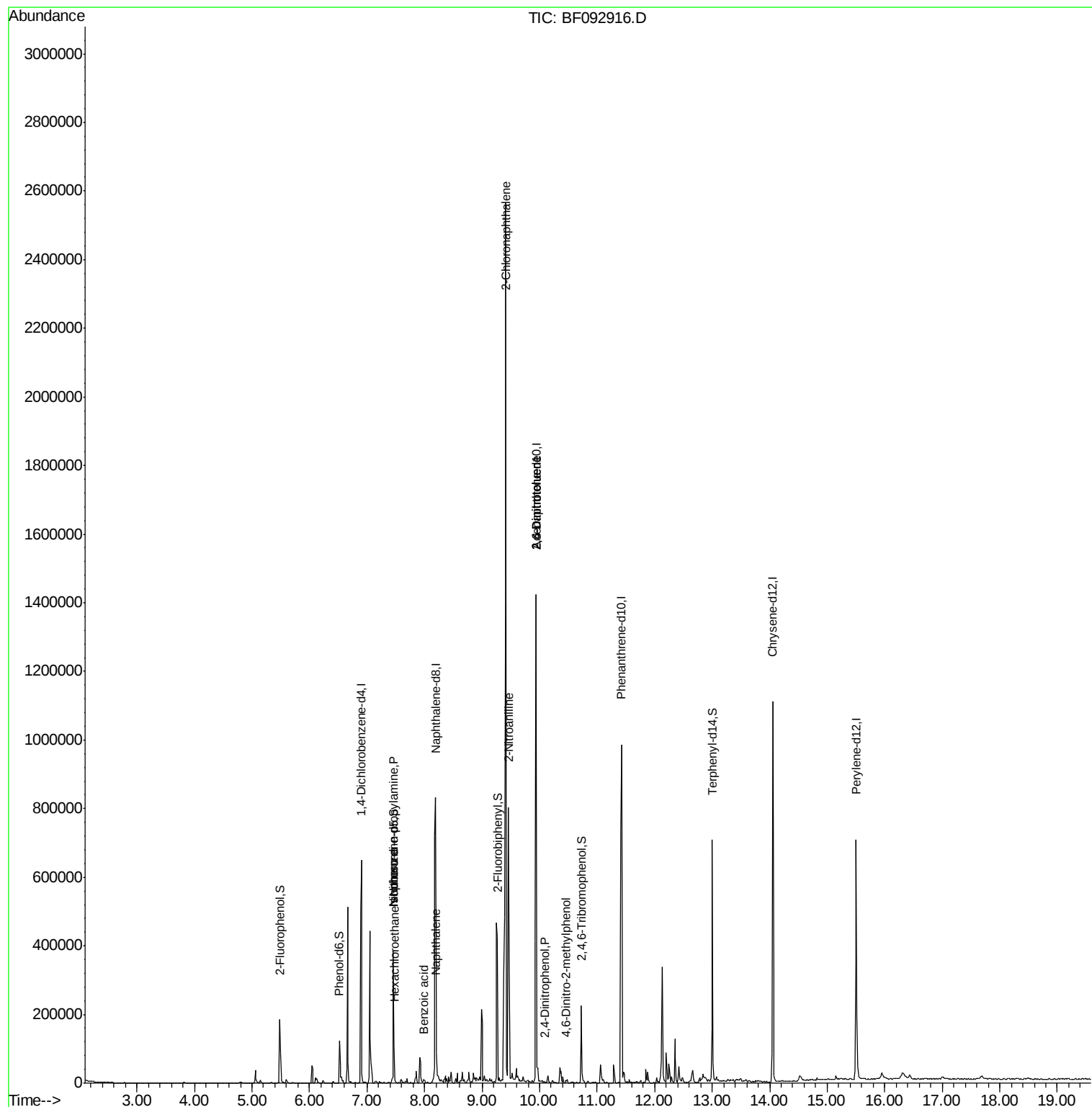
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	136884	20.00	ng	-0.07
21) Naphthalene-d8	8.19	136	540769	20.00	ng	-0.07
38) Acenaphthene-d10	9.94	164	317666	20.00	ng	-0.07
63) Phenanthrene-d10	11.43	188	498846	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	385322	20.00	ng	-0.09
86) Perylene-d12	15.51	264	322501	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	60906	7.63	ng	-0.09
7) Phenol-d6	6.52	99	45861	4.47	ng	-0.08
23) Nitrobenzene-d5	7.46	82	112564	11.59	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	34210	14.89	ng	-0.08
44) 2-Fluorobiphenyl	9.26	172	222129	12.67	ng	-0.07
78) Terphenyl-d14	13.00	244	208332	12.70	ng	-0.08
Target Compounds						Qvalue
18) Hexachloroethane	7.47	117	16747	4.70	ng	# 5
19) n-Nitroso-di-n-propylamine	7.46	70	13475	2.06	ng	# 82
25) Isophorone	7.46	82	106357	5.88	ng	# 65
31) Naphthalene	8.20	128	79040	2.88	ng	# 100
32) Benzoic acid	7.98	122	3778	7.85	ng	# 15
46) 2-Chloronaphthalene	9.41	162	1090219	60.59	ng	# 98
47) 2-Nitroaniline	9.46	65	14525	2.40	ng	# 11
50) 2,6-Dinitrotoluene	9.94	165	39476	8.54	ng	# 30
53) 2,4-Dinitrophenol	10.09	184	228	4.83	ng	# 30
56) 2,4-Dinitrotoluene	9.94	165	39471	6.42	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.46	198	429	2.80	ng	# 41

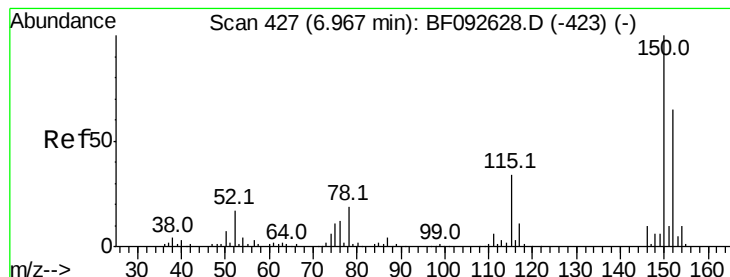
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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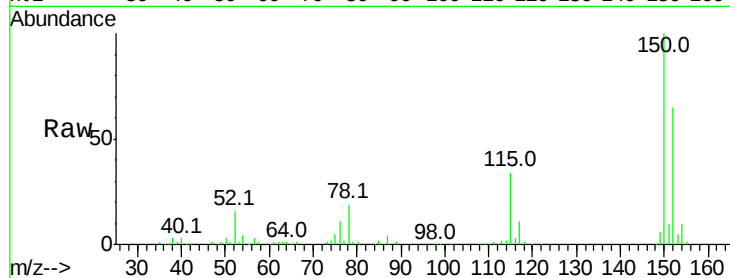


#1

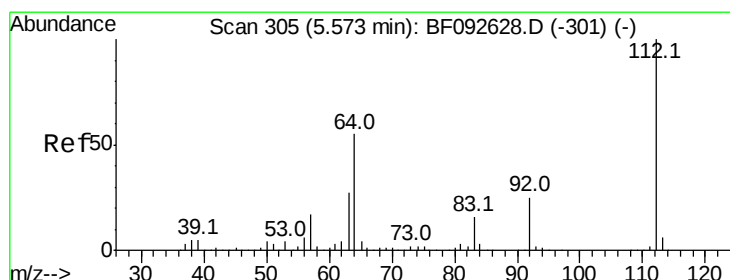
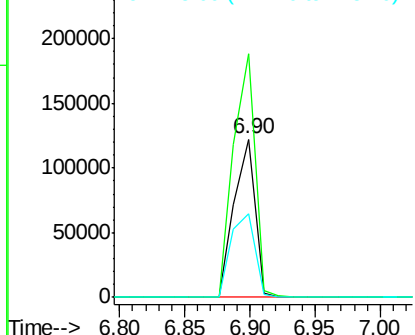
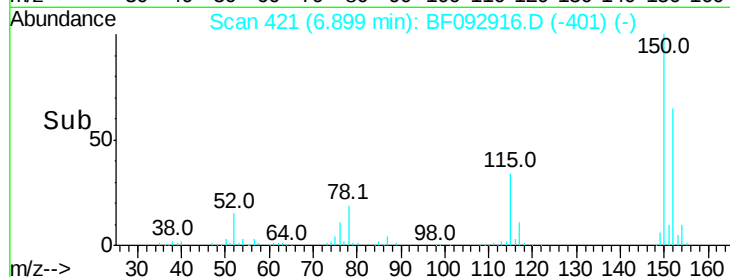
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.07 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 136884
Ion Ratio Lower Upper
152 100
150 153.9 124.9 187.3
115 52.8 46.0 69.0



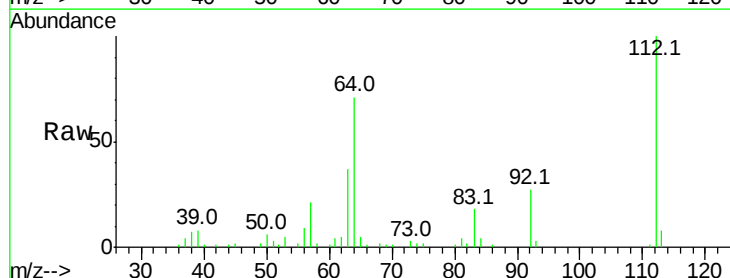
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



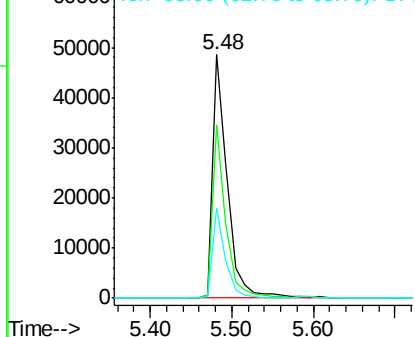
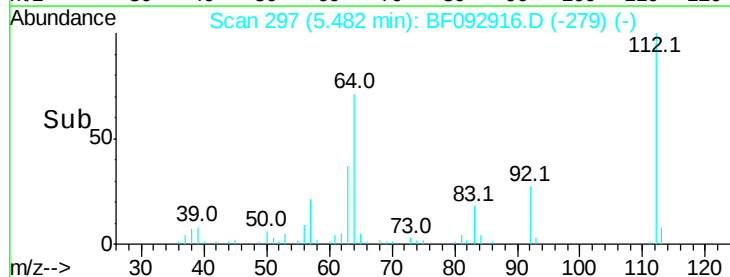
#5

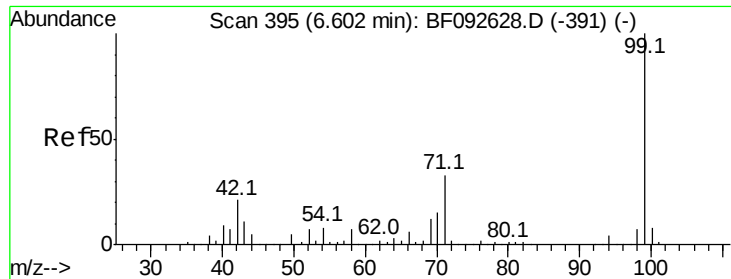
2-Fluorophenol
Concen: 7.63 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.09 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

Tgt Ion:112 Resp: 60906
Ion Ratio Lower Upper
112 100
64 71.1 46.1 69.1#
63 37.0 23.8 35.6#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.47 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.08 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampled :

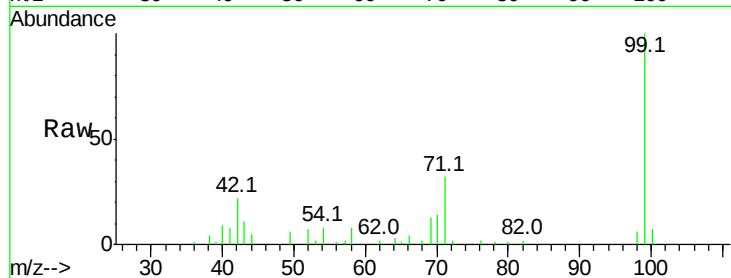
Tot Ion: 99 Resp: 45861

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

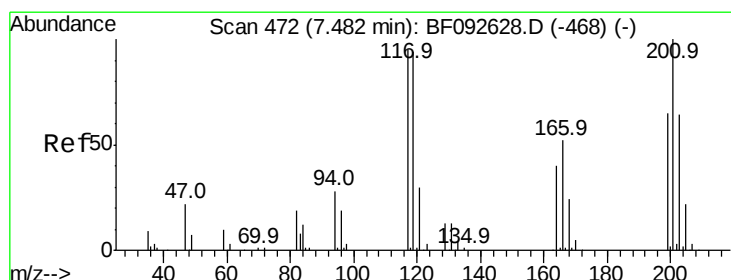
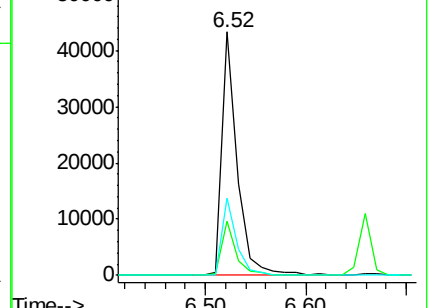
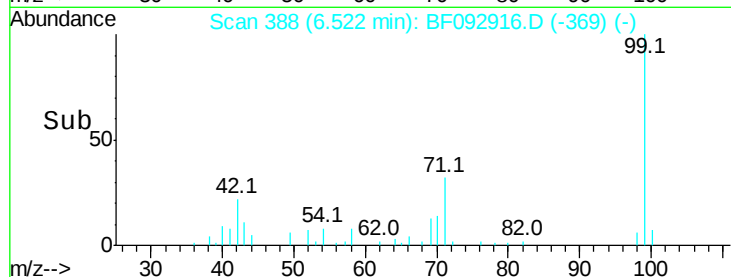
71 31.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 4.70 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

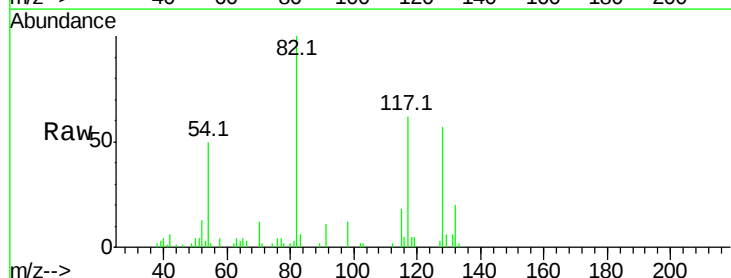
Tgt Ion: 117 Resp: 16747

Ion Ratio Lower Upper

117 100

119 7.4 78.1 117.1#

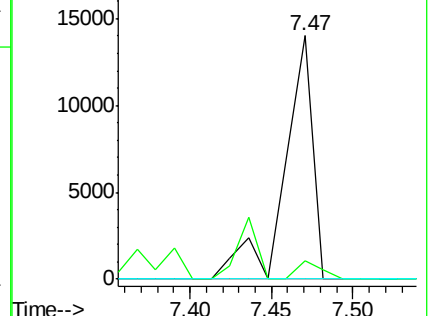
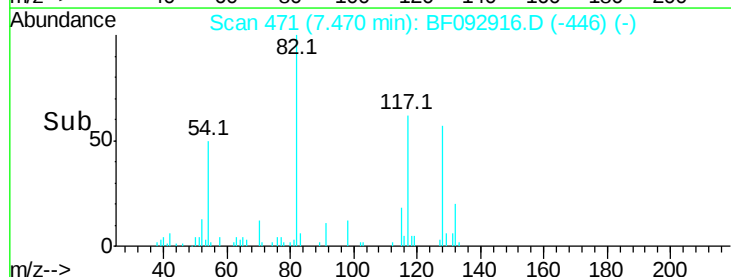
201 0.0 78.6 117.8#

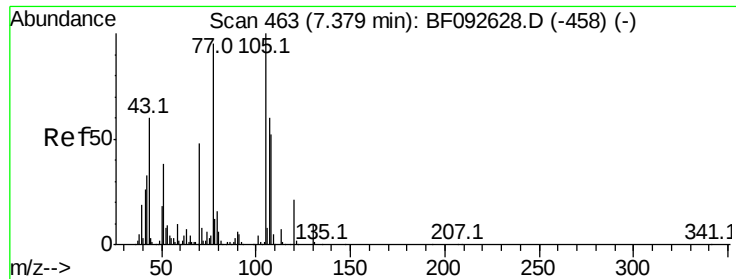


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

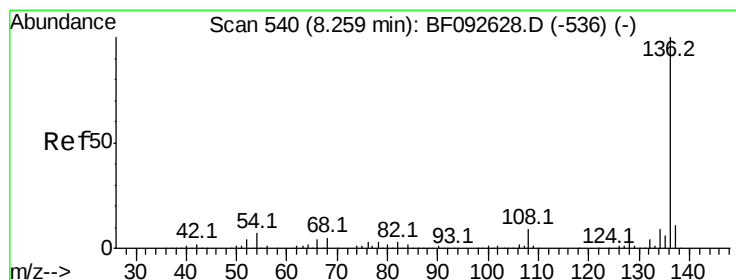
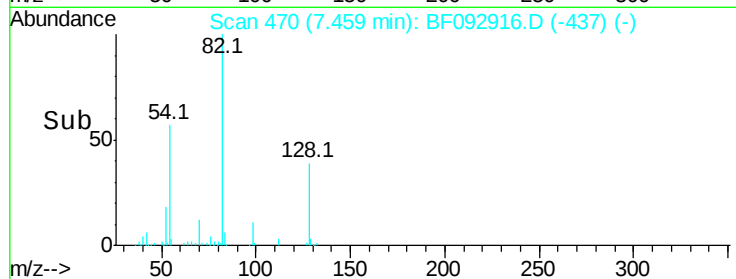
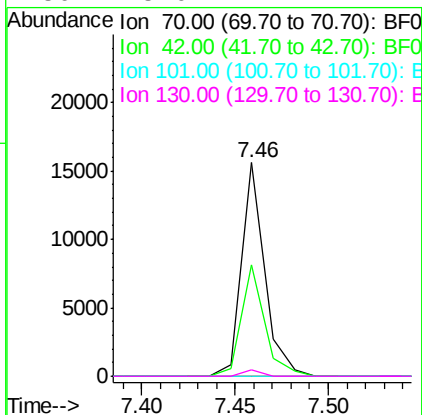
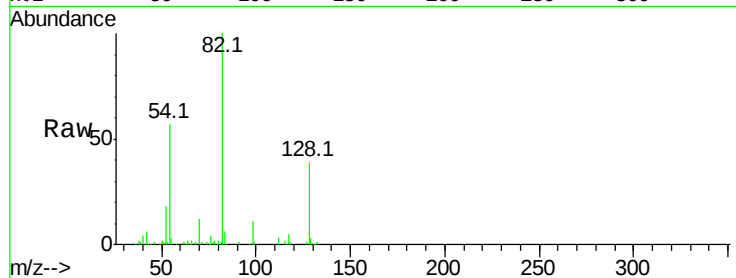




#19
n-Nitroso-di-n-propylamine
Concen: 2.06 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

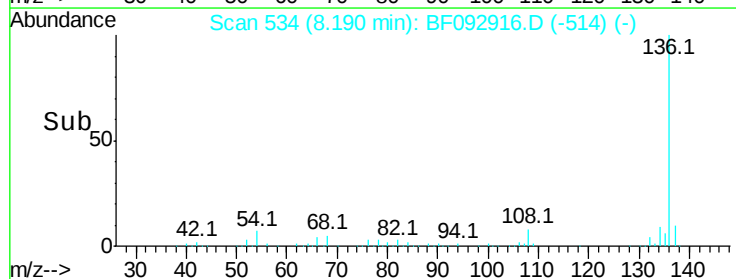
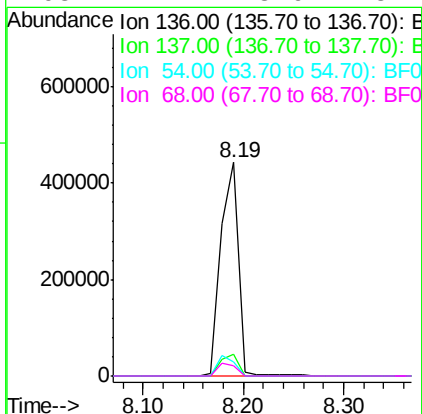
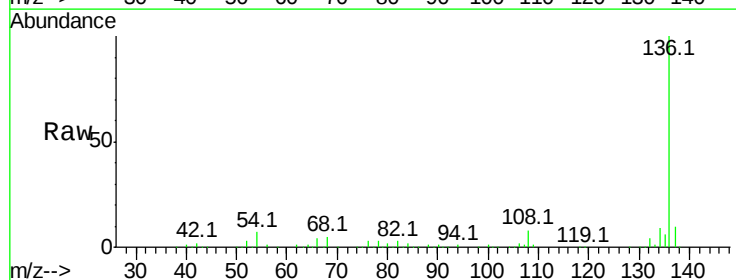
Instrument :
BNA_F
ClientSampled :

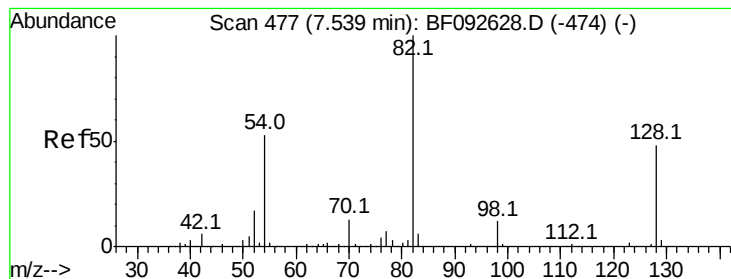
Tot Ion: 70 Resp: 13475
Ion Ratio Lower Upper
70 100
42 51.9 49.4 74.0
101 0.0 7.4 11.2#
130 3.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.07 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

Tgt Ion:136 Resp: 540769
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 6.7 4.5 6.7
68 4.7 3.6 5.4





#23

Nitrobenzene-d5

Concen: 11.59 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.08 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampleId :

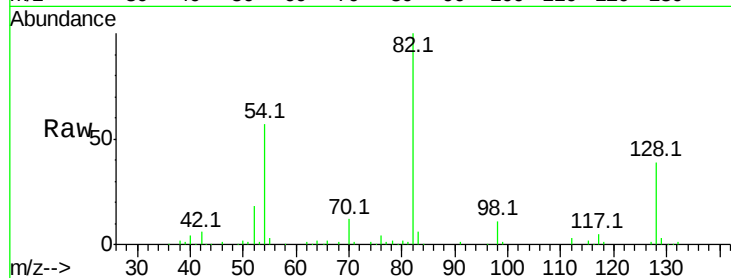
Tot Ion: 82 Resp: 112564

Ion Ratio Lower Upper

82 100

128 39.0 34.6 52.0

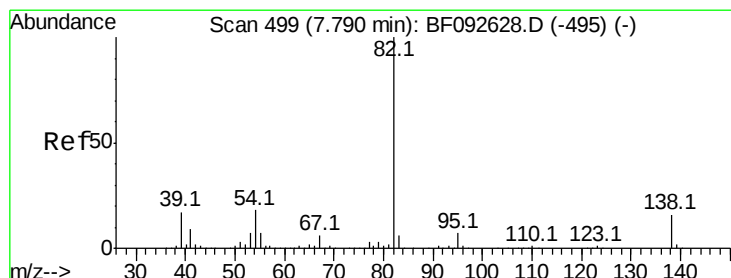
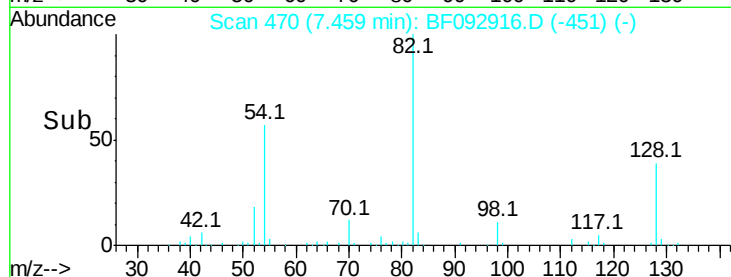
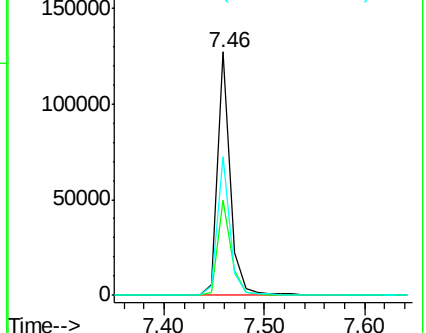
54 57.0 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 5.88 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.33 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

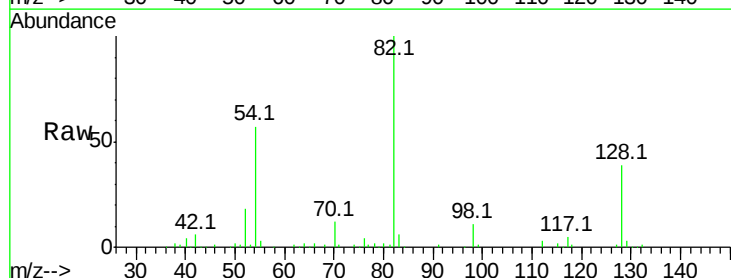
Tgt Ion: 82 Resp: 106357

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

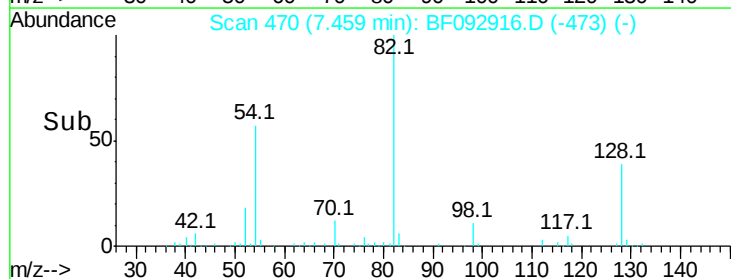
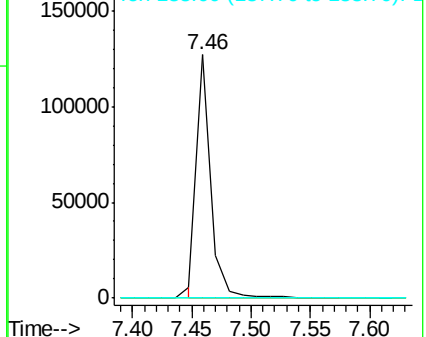
138 0.0 14.6 22.0#

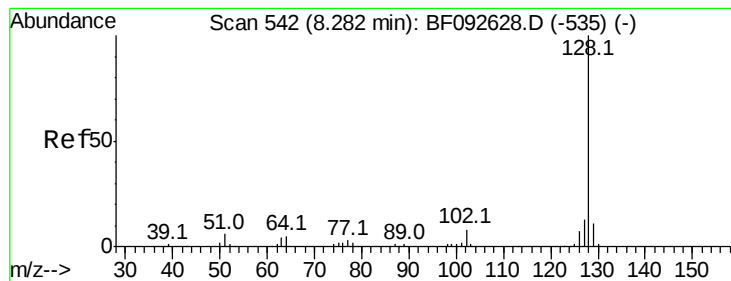


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.88 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.08 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampleId :

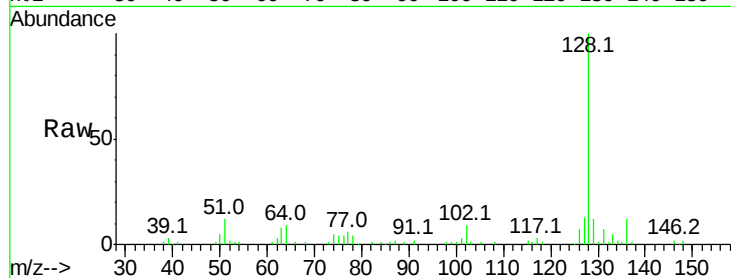
Tot Ion:128 Resp: 79040

Ion Ratio Lower Upper

128 100

129 12.0 9.5 14.3

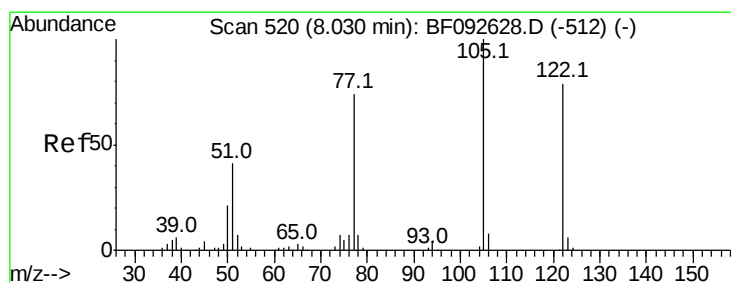
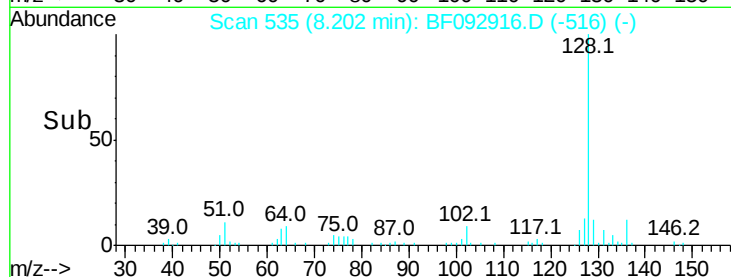
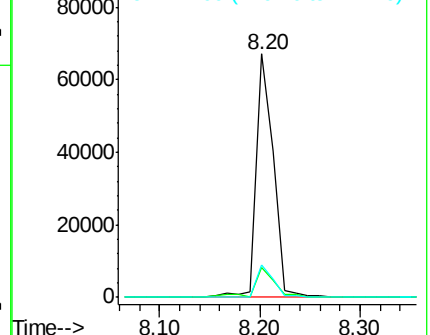
127 13.4 10.8 16.2



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: 7.85 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

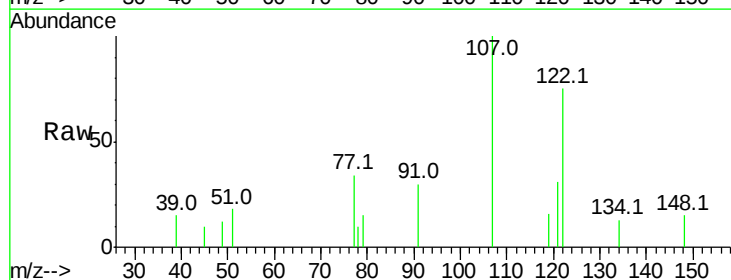
Tgt Ion:122 Resp: 3778

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

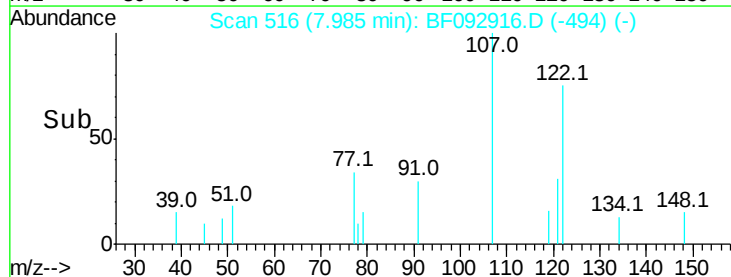
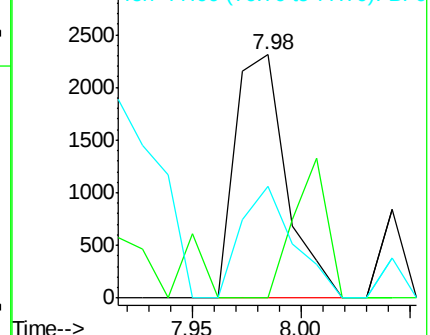
77 45.7 74.5 114.5#

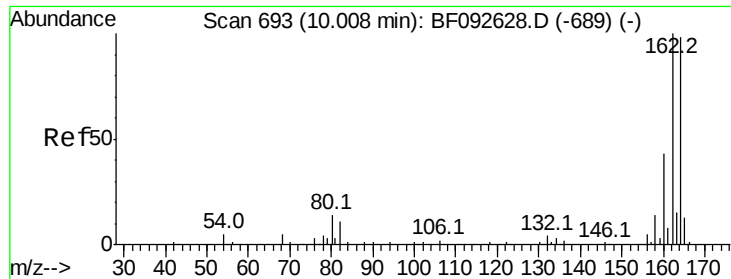


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

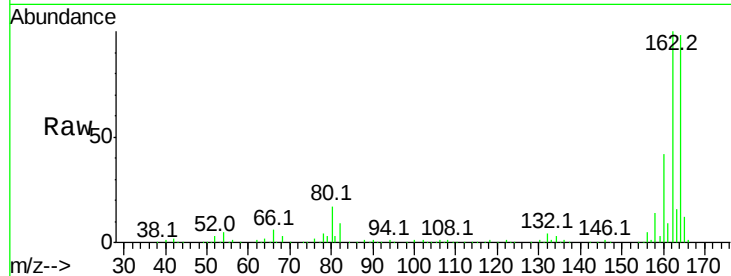




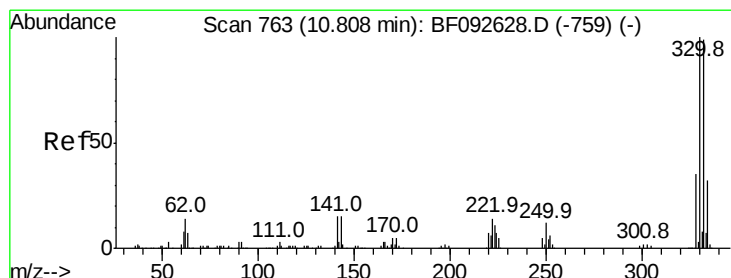
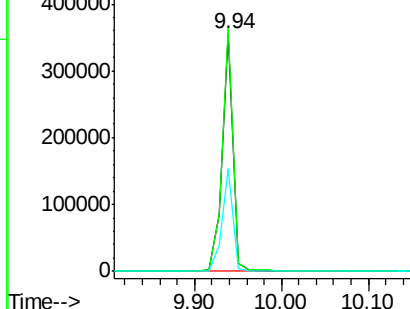
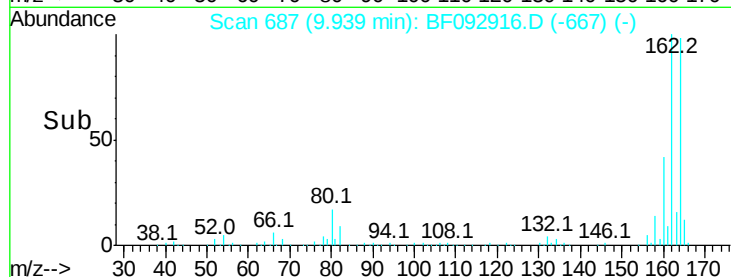
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.07 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 317666
Ion Ratio Lower Upper
164 100
162 102.4 80.2 120.2
160 43.0 36.9 55.3

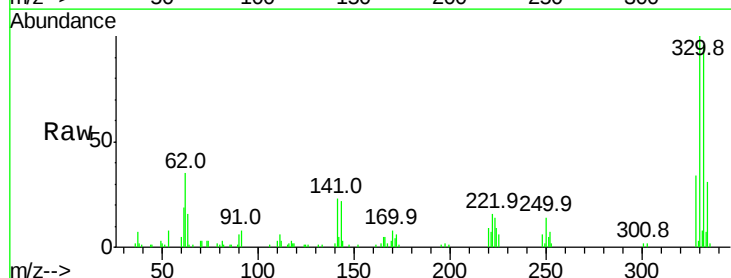


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

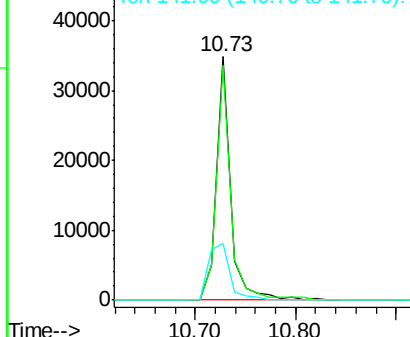
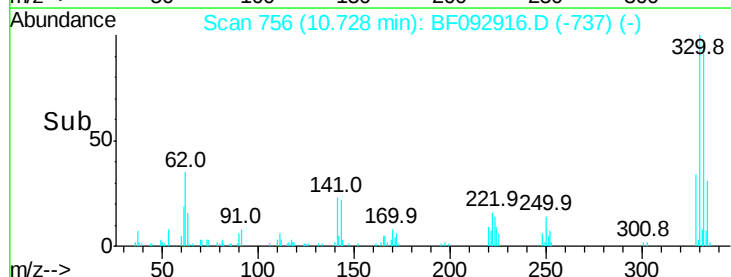


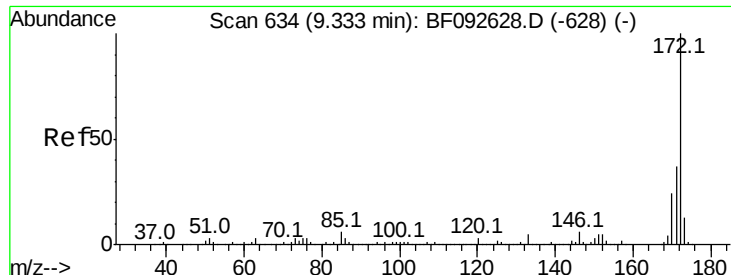
#41
2,4,6-Tribromophenol
Concen: 14.89 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.08 min
Lab File: BF092916.D
Acq: 13 Feb 2017 10:54

Tgt Ion:330 Resp: 34210
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 35.5 34.1 51.1



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

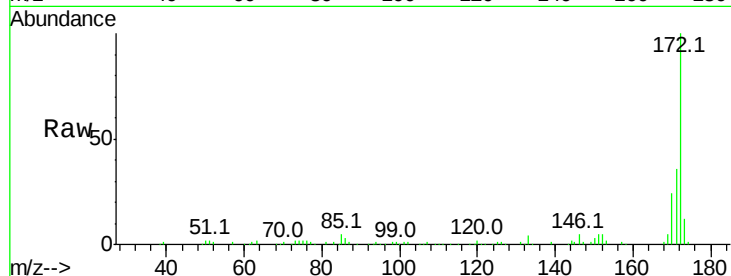




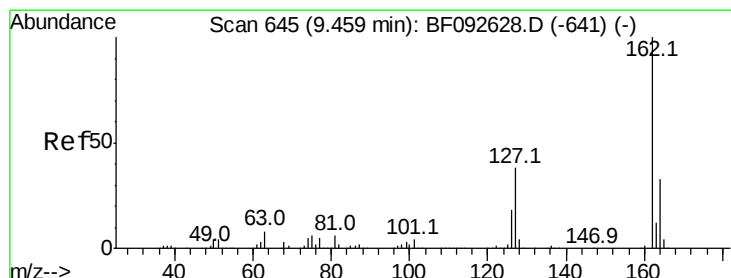
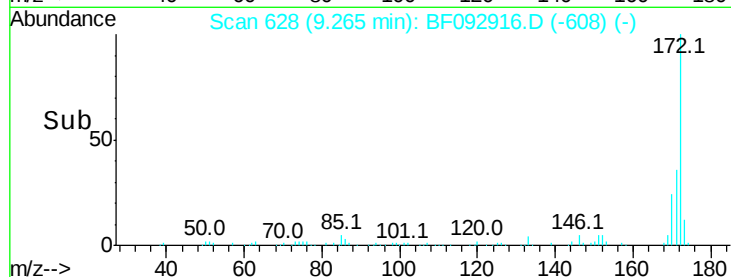
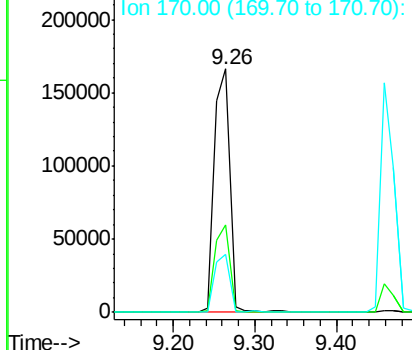
#44
 2-Fluorobiphenyl
 Concen: 12.67 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092916.D
 Acq: 13 Feb 2017 10:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 222129
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.0 20.2 30.4

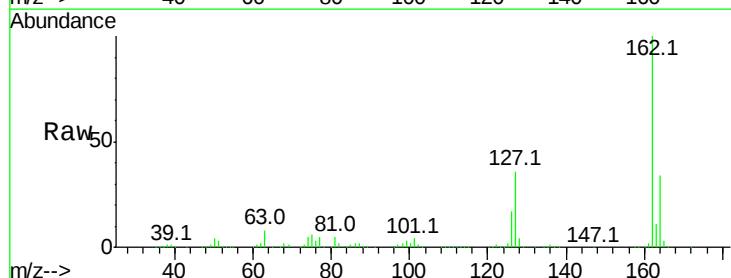


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

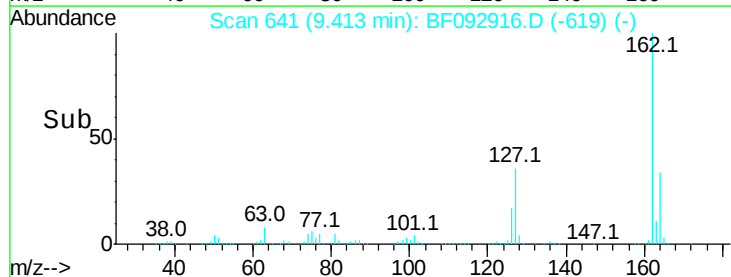
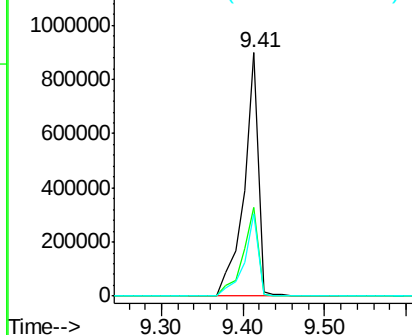


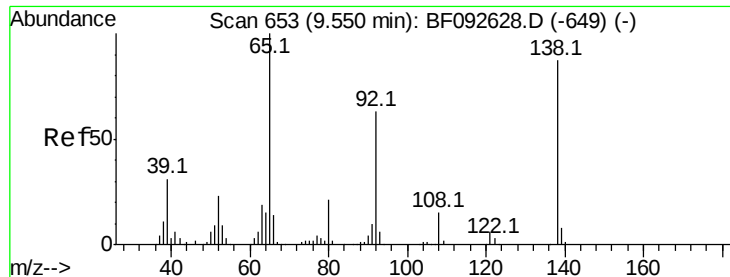
#46
 2-Chloronaphthalene
 Concen: 60.59 ng
 RT: 9.41 min Scan# 641
 Delta R.T. -0.05 min
 Lab File: BF092916.D
 Acq: 13 Feb 2017 10:54

Tgt Ion:162 Resp: 1090219
 Ion Ratio Lower Upper
 162 100
 127 36.4 30.7 46.1
 164 33.7 27.6 41.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 2.40 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.09 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampleId :

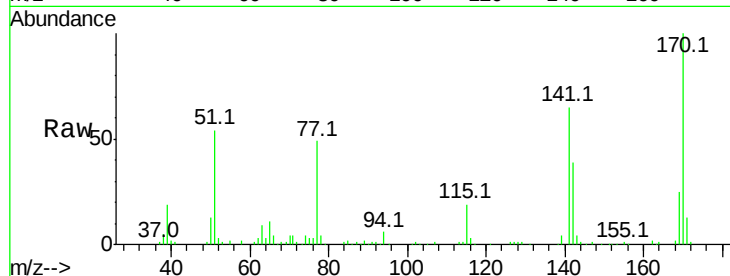
Tot Ion: 65 Resp: 14525

Ion Ratio Lower Upper

65 100

92 5.2 53.9 80.9#

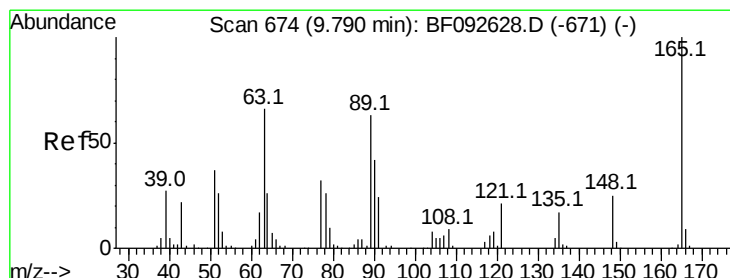
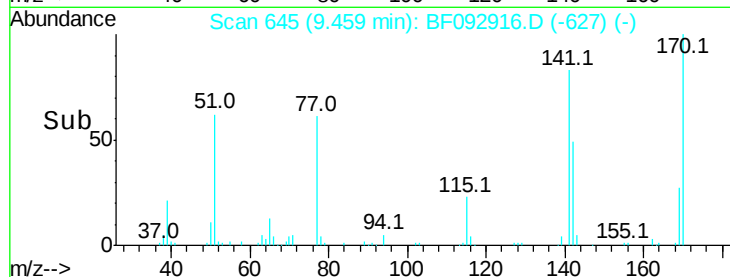
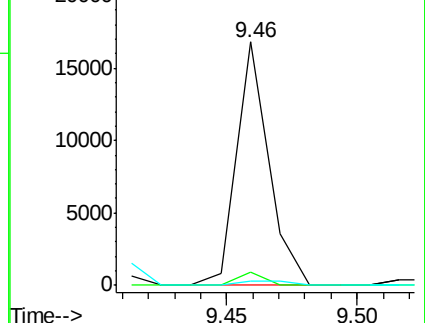
138 1.9 76.8 115.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#50

2,6-Dinitrotoluene

Concen: 8.54 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.15 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

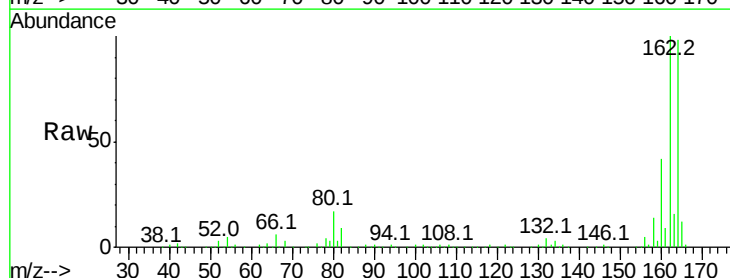
Tgt Ion: 165 Resp: 39476

Ion Ratio Lower Upper

165 100

63 1.0 36.2 54.4#

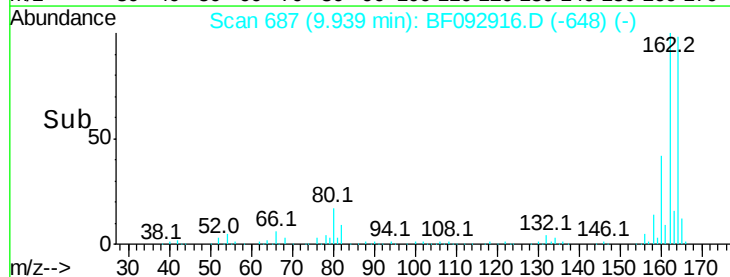
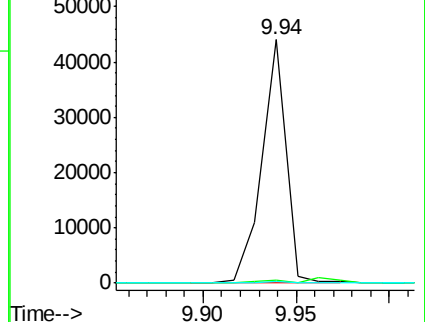
89 0.9 40.2 60.4#

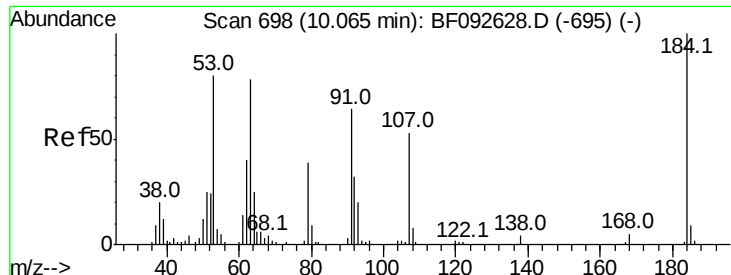


Abundance Ion 165.00 (164.70 to 165.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

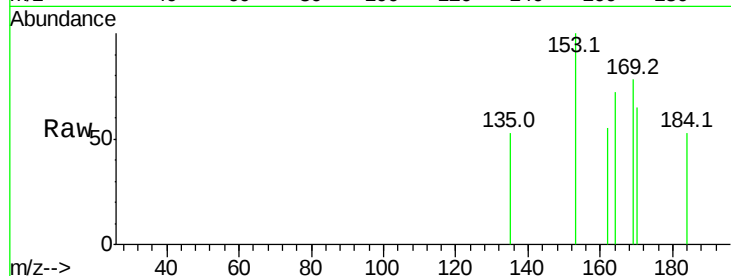




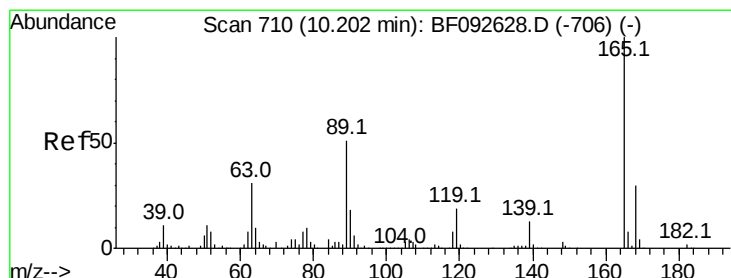
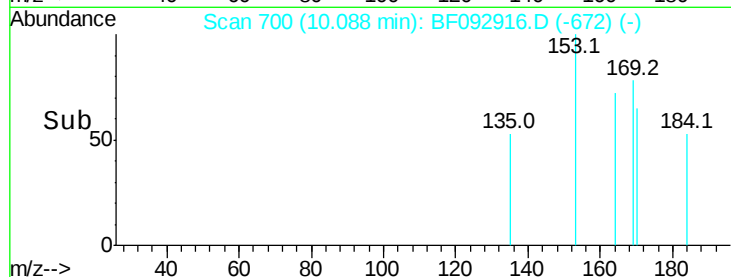
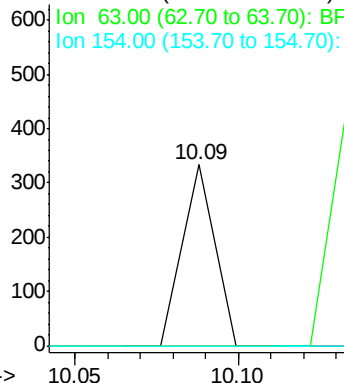
#53
 2,4-Dinitrophenol
 Concen: 4.83 ng
 RT: 10.09 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: BF092916.D
 Acq: 13 Feb 2017 10:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 228
 Ion Ratio Lower Upper
 184 100
 63 0.0 28.4 42.6#
 154 0.0 44.3 66.5#

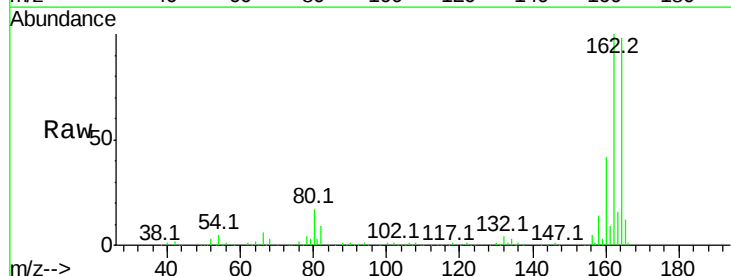


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

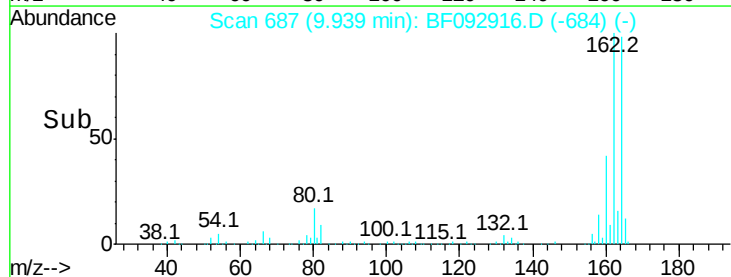
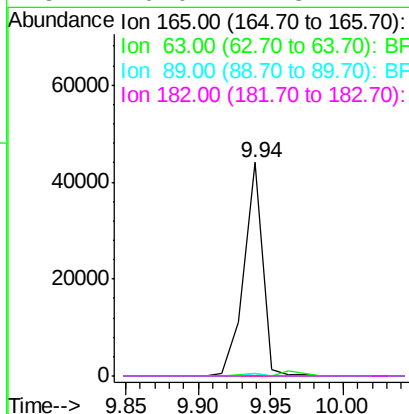


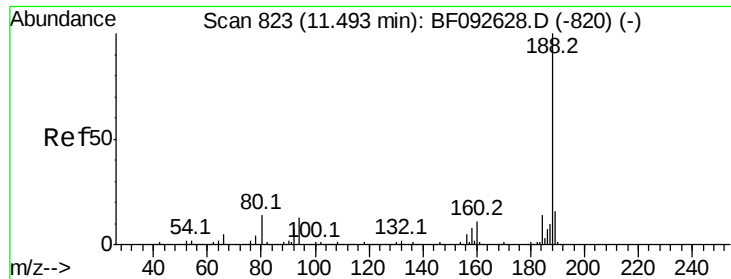
#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.26 min
 Lab File: BF092916.D
 Acq: 13 Feb 2017 10:54

Tgt Ion:165 Resp: 39471
 Ion Ratio Lower Upper
 165 100
 63 1.0 40.2 60.4#
 89 0.9 62.5 93.7#
 182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 817

Delta R.T. -0.07 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampled :

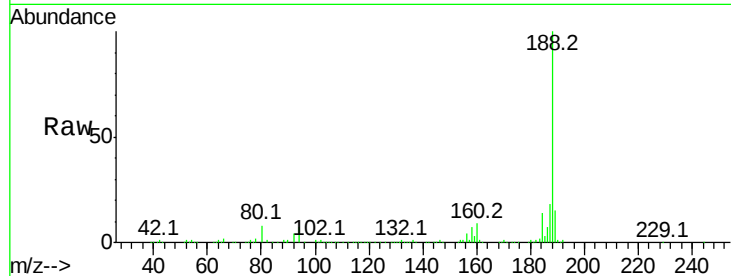
Tot Ion:188 Resp: 498846

Ion Ratio Lower Upper

188 100

94 7.2 10.0 15.0#

80 7.5 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.43

400000

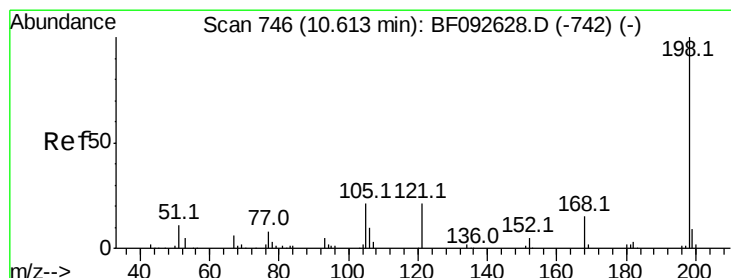
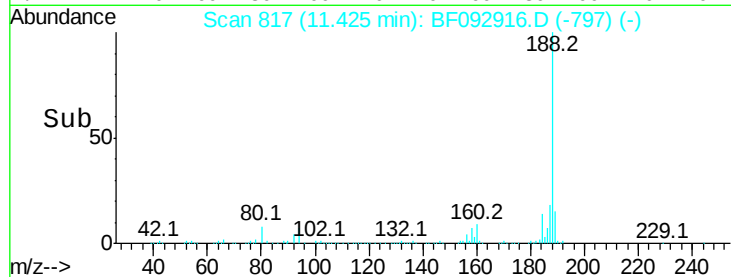
300000

200000

100000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 2.80 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.15 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

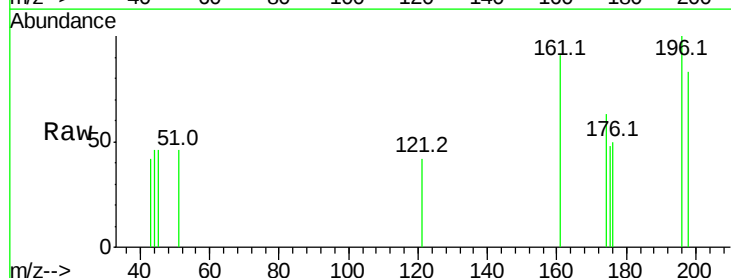
Tgt Ion:198 Resp: 429

Ion Ratio Lower Upper

198 100

51 55.4 6.7 46.7#

105 0.0 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

10.46

800

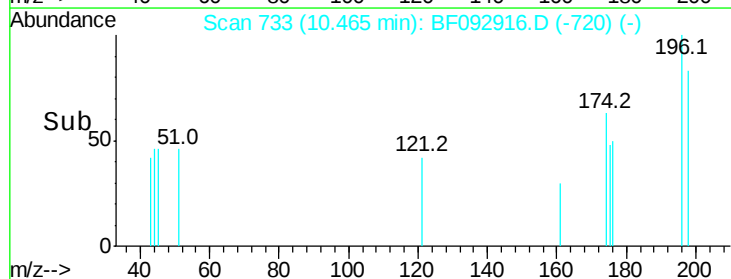
600

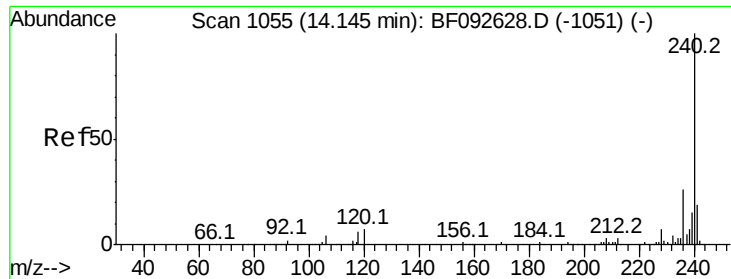
400

200

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.09 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

Instrument :

BNA_F

ClientSampled :

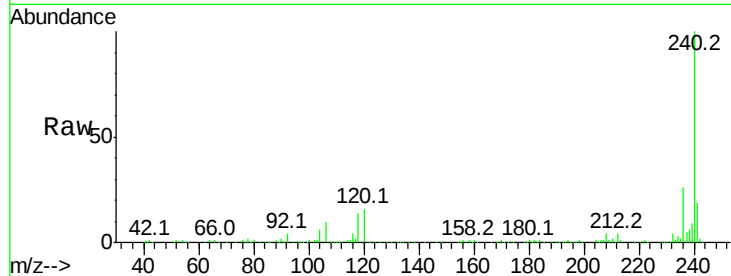
Tot Ion:240 Resp: 385322

Ion Ratio Lower Upper

240 100

120 15.5 12.9 19.3

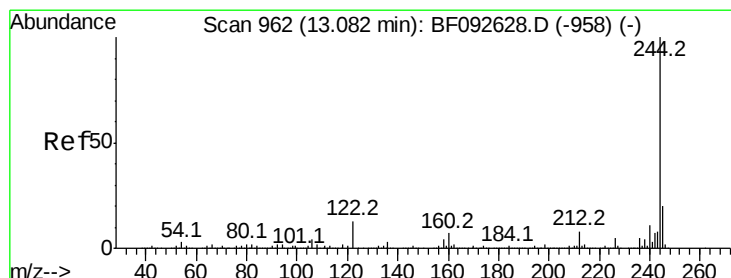
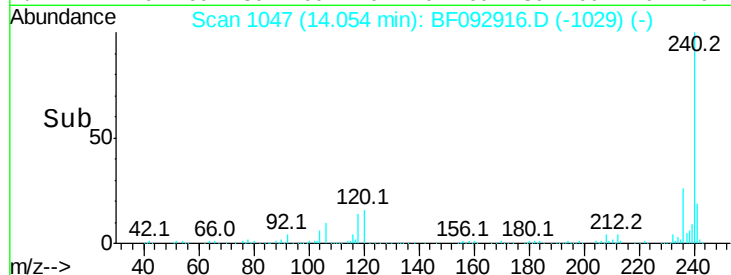
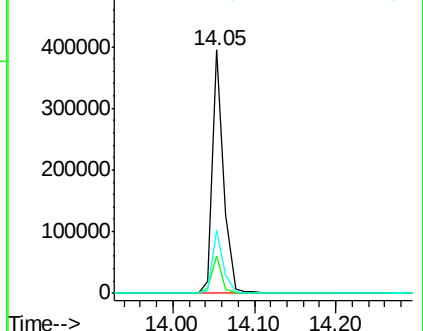
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 12.70 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.08 min

Lab File: BF092916.D

Acq: 13 Feb 2017 10:54

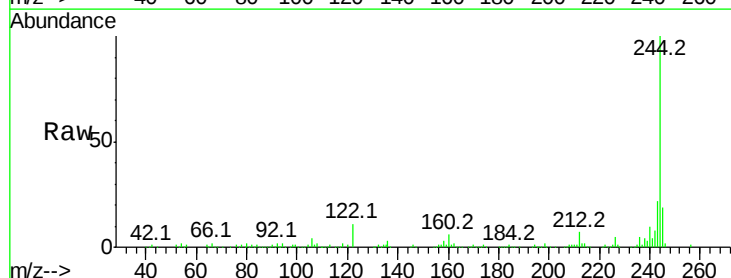
Tgt Ion:244 Resp: 208332

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

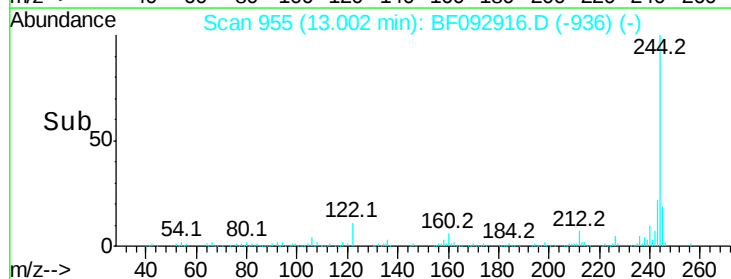
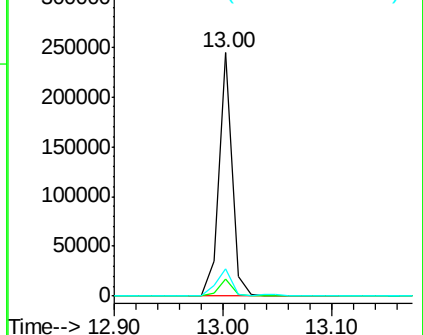
122 11.4 11.4 17.2#

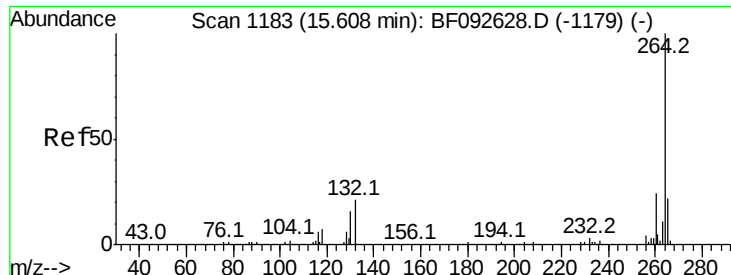


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

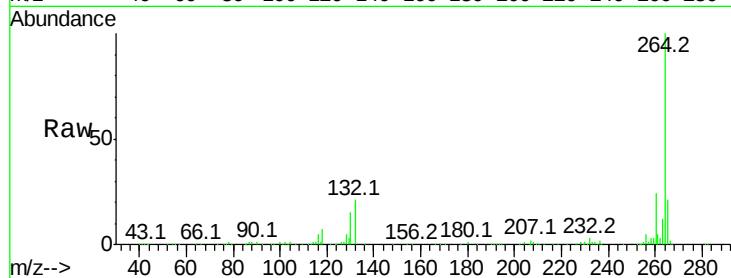




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. -0.10 min
 Lab File: BF092916.D
 Acq: 13 Feb 2017 10:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.2	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

