

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086710.D
 Acq On : 5 May 2016 15:28
 Operator : UM/SJ
 Sample : H2804-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

Quant Time: May 06 01:31:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

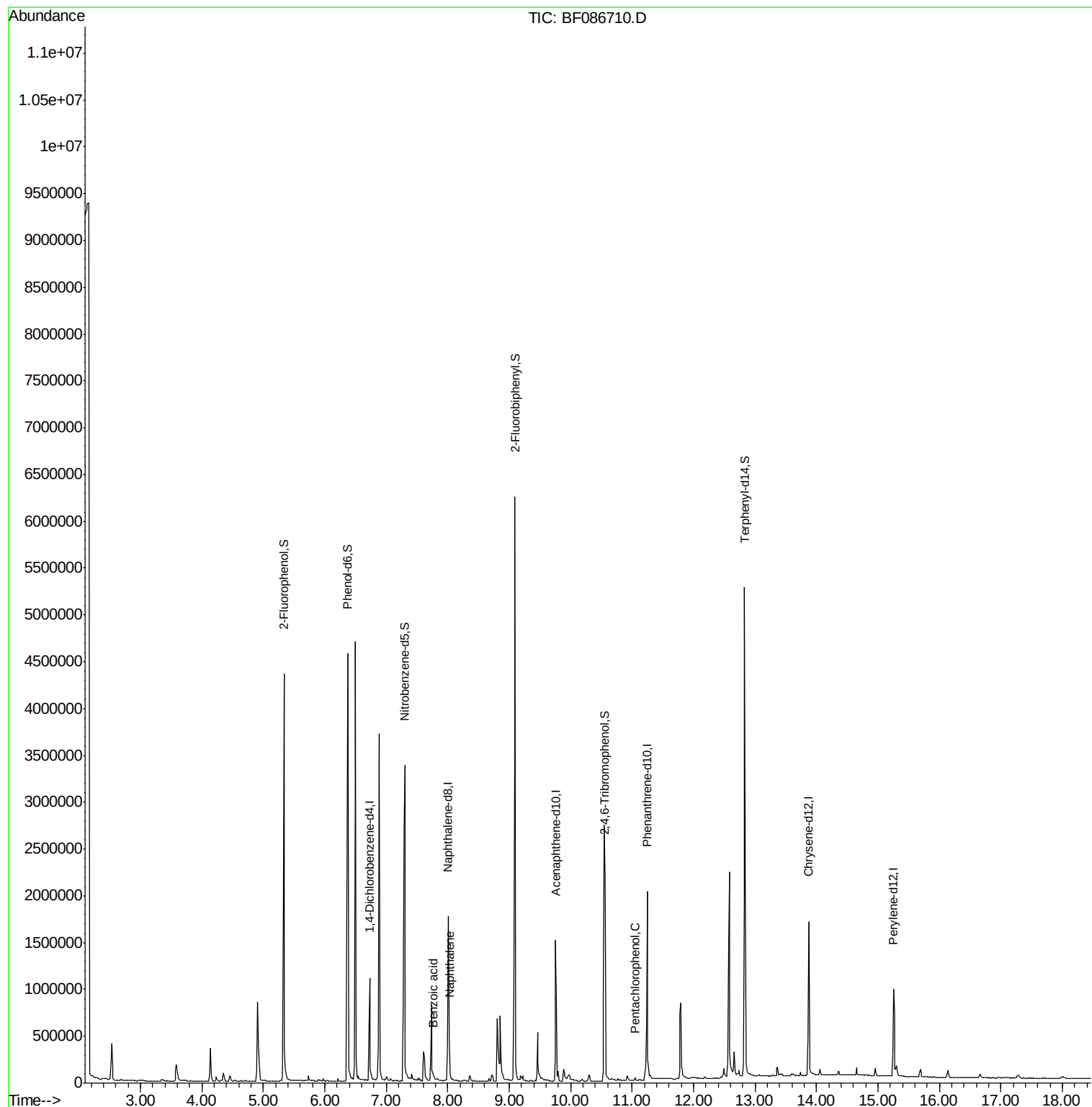
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	195579	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	799782	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	378394	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	768100	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	601802	40.00	ng	-0.01
86) Perylene-d12	15.25	264	487332	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1116793	94.53	ng	0.01
7) Phenol-d6	6.37	99	1566001	98.40	ng	0.00
23) Nitrobenzene-d5	7.30	82	1605161	103.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	492775	133.13	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2307384	99.96	ng	-0.01
78) Terphenyl-d14	12.83	244	2117979	71.13	ng	-0.01
Target Compounds						
31) Naphthalene	8.03	128	196018	4.80	ng	99
32) Benzoic acid	7.76	122	16189	11.13	ng	# 80
69) Pentachlorophenol	11.05	266	3406	6.52	ng	90

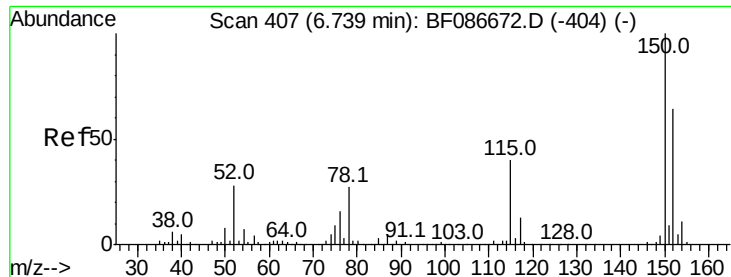
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

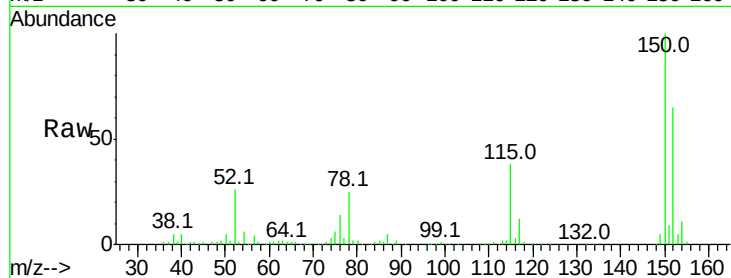
Tot Ion:152 Resp: 195579

Ion Ratio Lower Upper

152 100

150 153.0 125.8 188.6

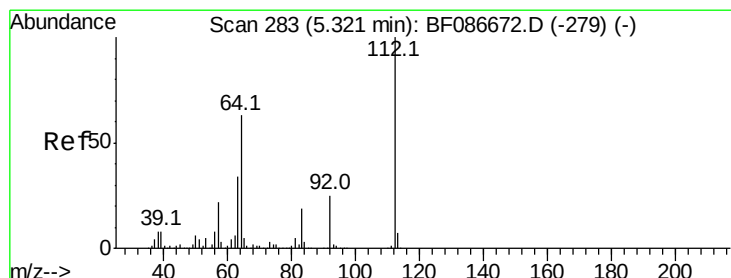
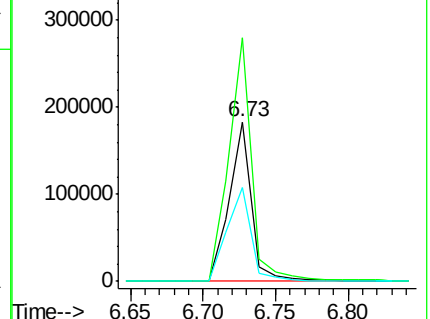
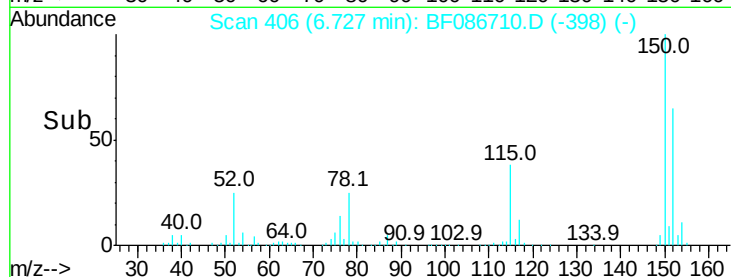
115 58.9 51.5 77.3



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: 94.53 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

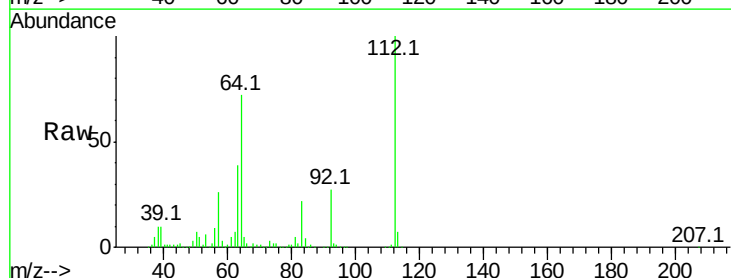
Tgt Ion:112 Resp: 1116793

Ion Ratio Lower Upper

112 100

64 71.9 52.1 78.1

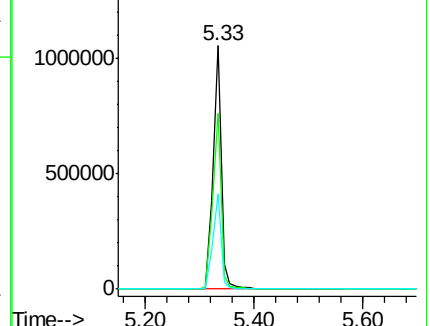
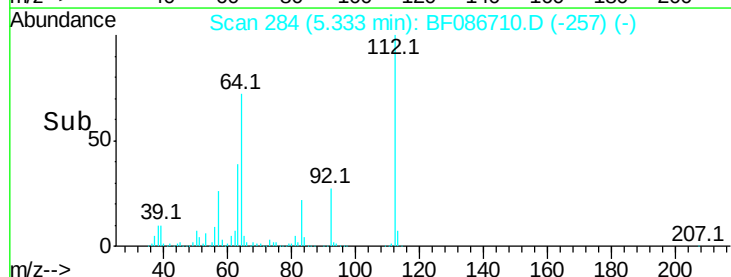
63 38.8 25.7 38.5#

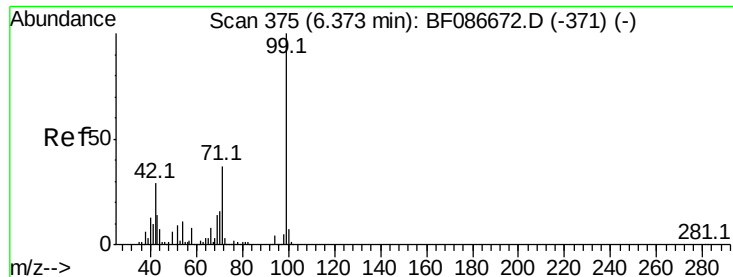


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.40 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

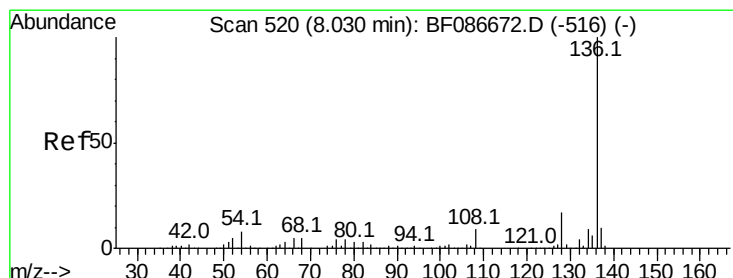
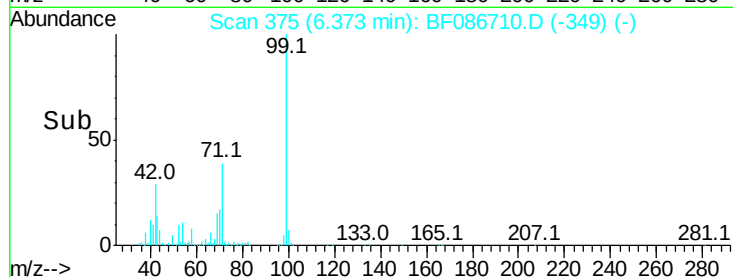
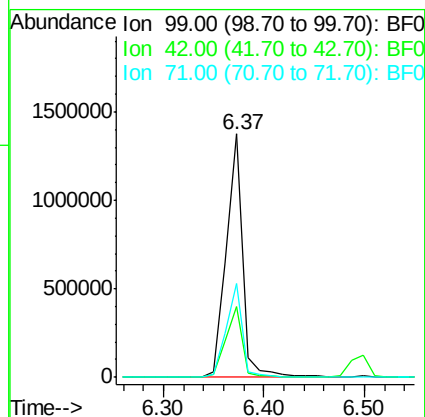
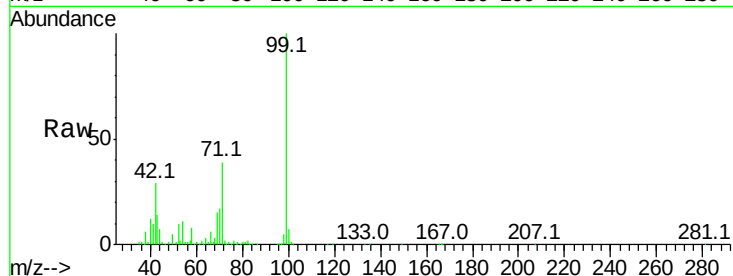
Tot Ion: 99 Resp: 1566001

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

71 38.6 24.6 36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Tgt Ion: 136 Resp: 799782

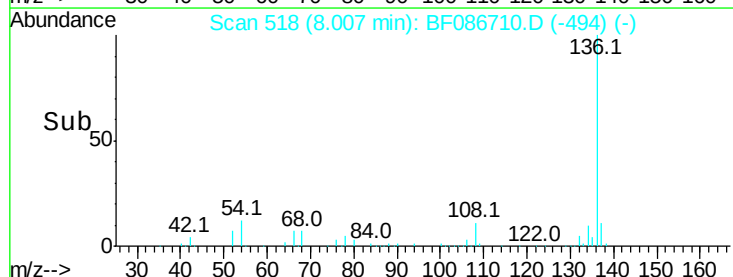
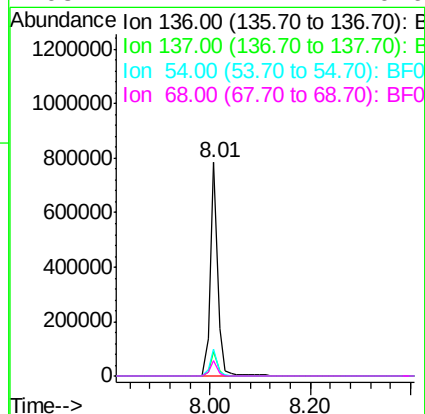
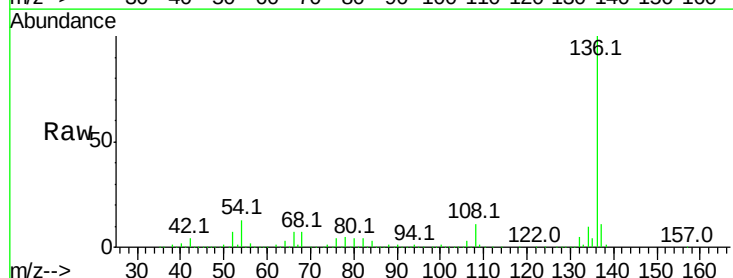
Ion Ratio Lower Upper

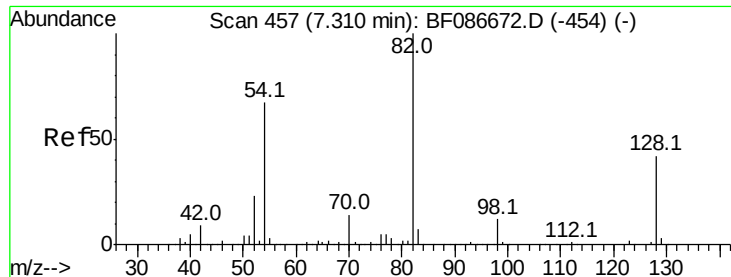
136 100

137 11.2 8.8 13.2

54 12.7 5.0 7.4#

68 7.1 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 103.14 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

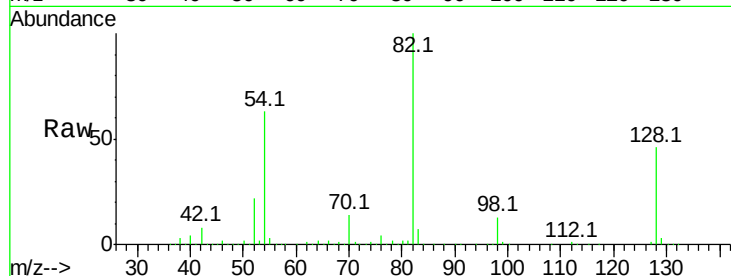
Tot Ion: 82 Resp: 1605161

Ion Ratio Lower Upper

82 100

128 45.9 40.6 61.0

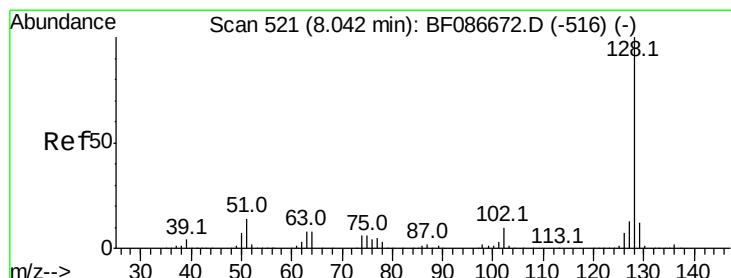
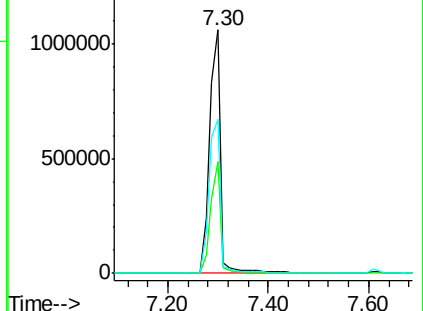
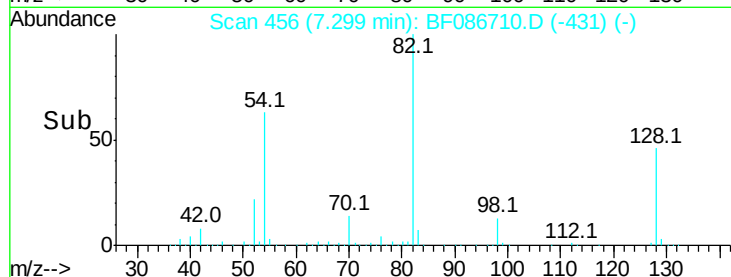
54 63.4 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 4.80 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

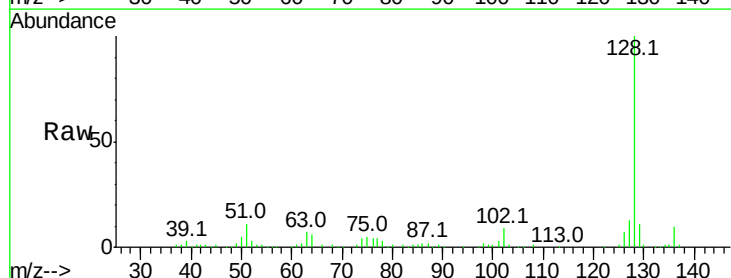
Tgt Ion:128 Resp: 196018

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

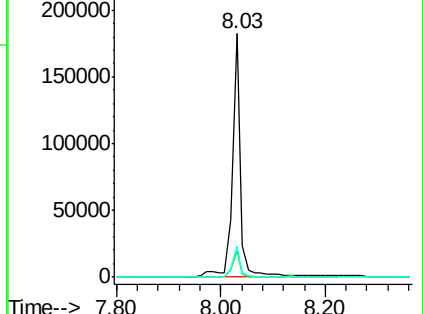
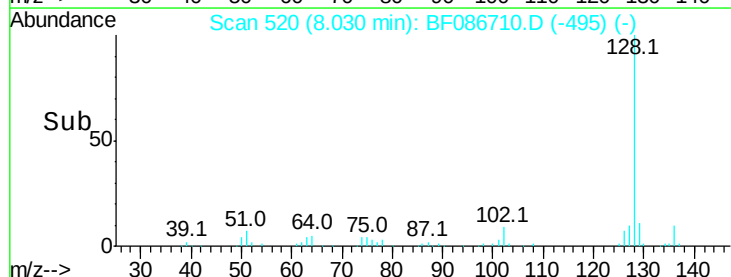
127 12.6 10.8 16.2

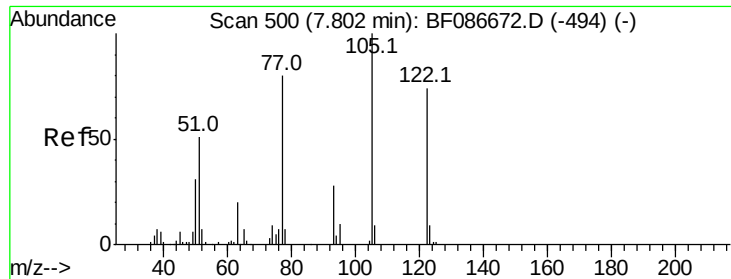


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 11.13 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

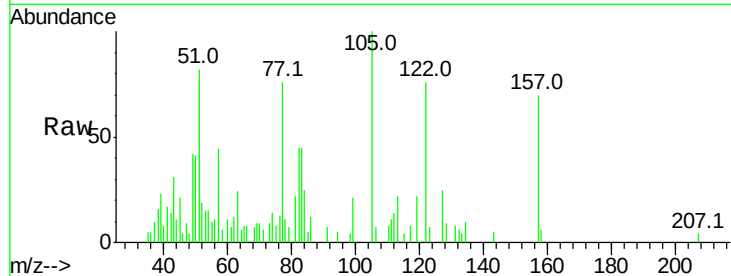
Tot Ion:122 Resp: 16189

Ion Ratio Lower Upper

122 100

105 131.5 92.6 132.6

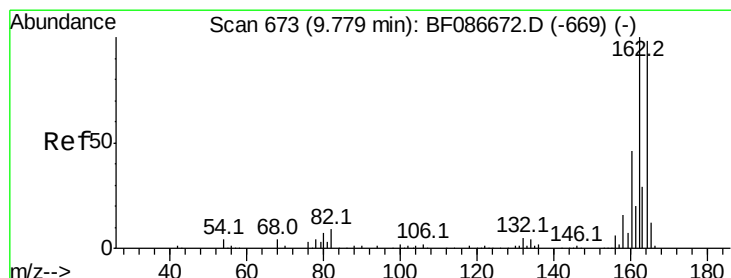
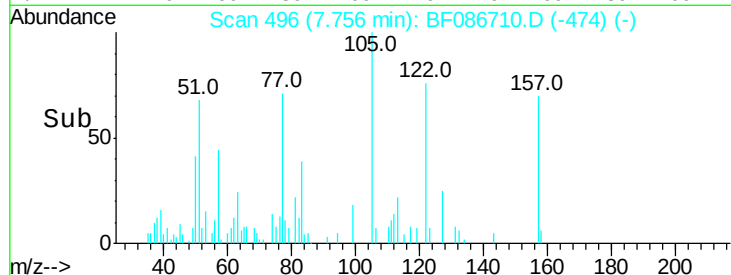
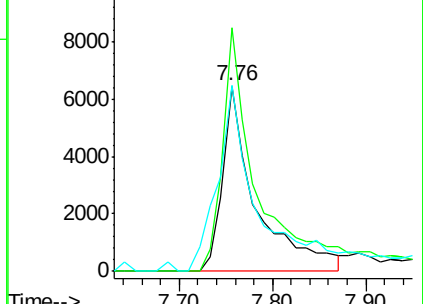
77 100.5 60.0 100.0#



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): BF0



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

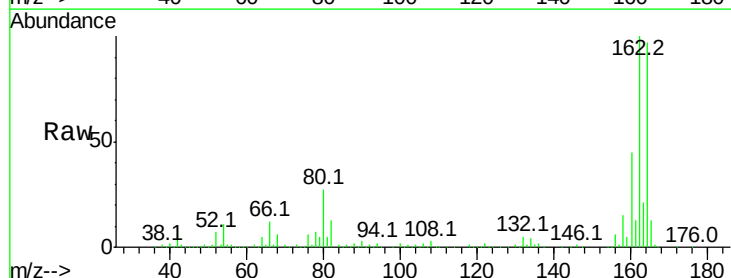
Tgt Ion:164 Resp: 378394

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

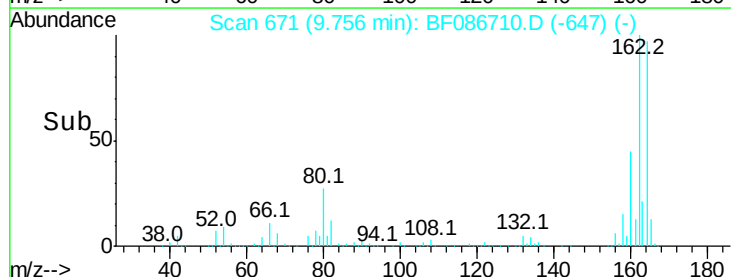
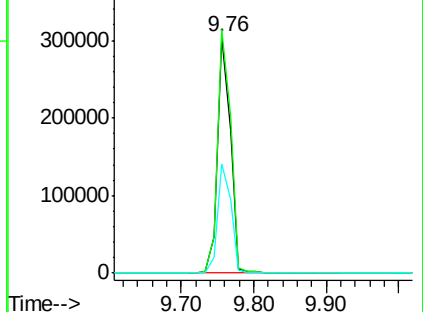
160 46.2 36.9 55.3

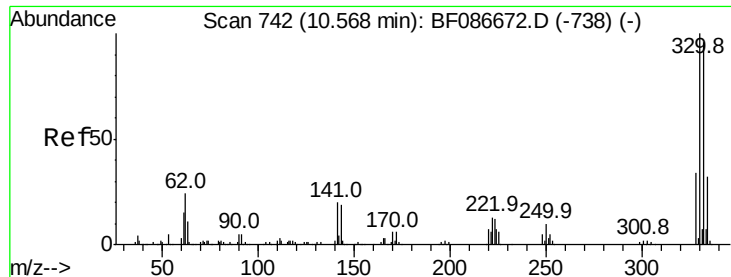


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

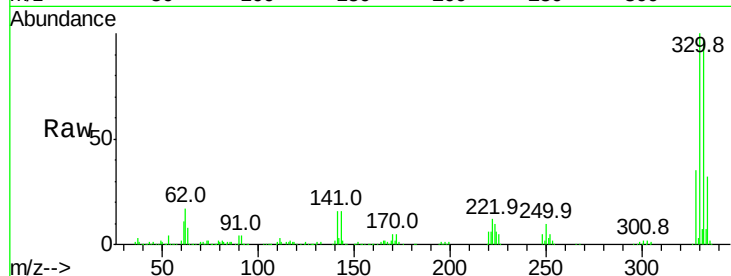




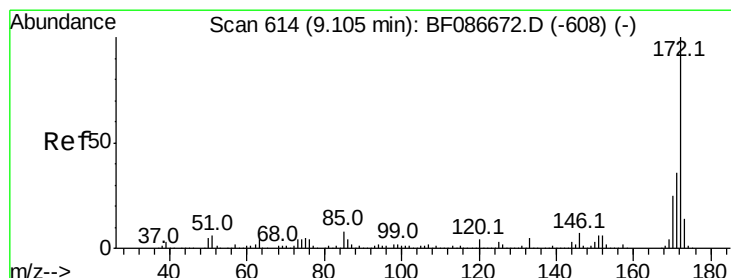
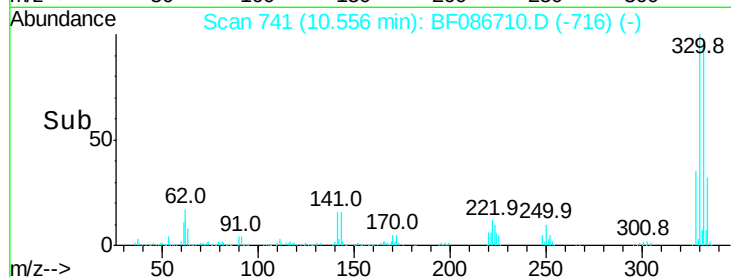
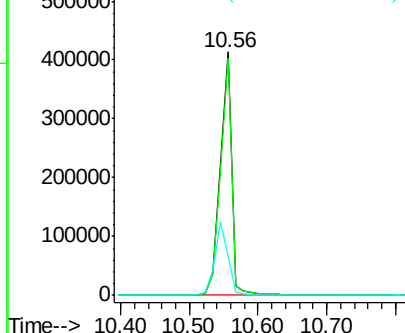
#41
 2,4,6-Tribromophenol
 Concen: 133.13 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

Tot Ion:330 Resp: 492775
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 35.2 31.2 46.8

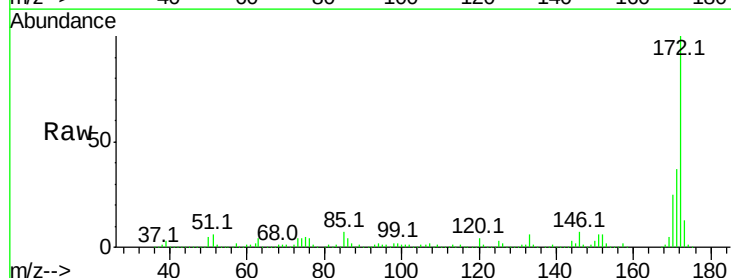


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

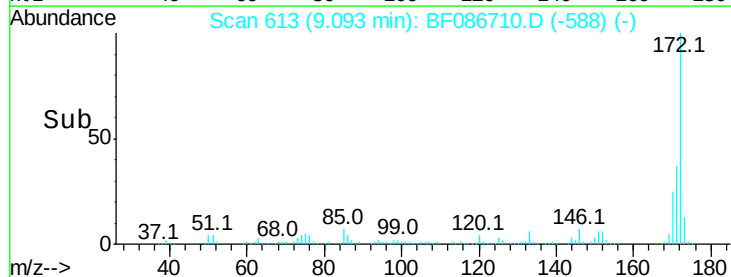
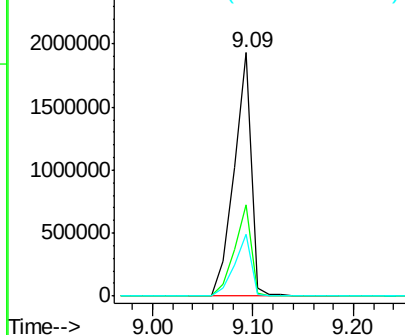


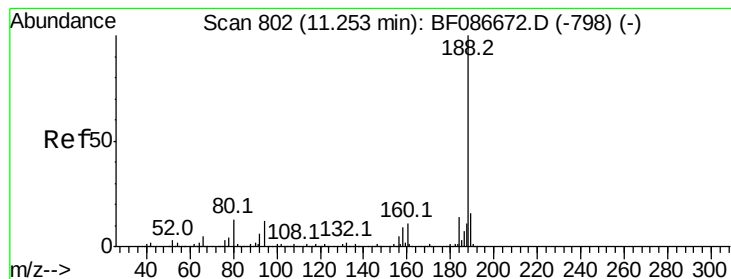
#44
 2-Fluorobiphenyl
 Concen: 99.96 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Tgt Ion:172 Resp: 2307384
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.0 43.6
 170 25.3 19.8 29.8



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





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

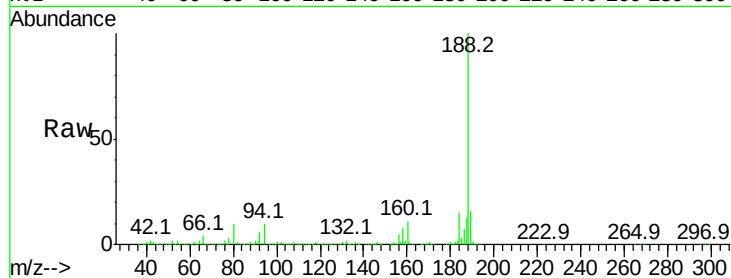
Tot Ion:188 Resp: 768100

Ion Ratio Lower Upper

188 100

94 10.0 6.8 10.2

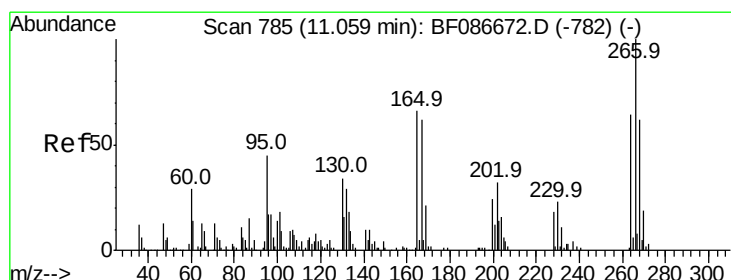
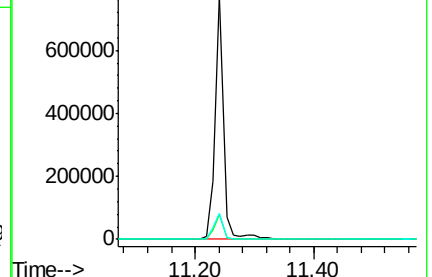
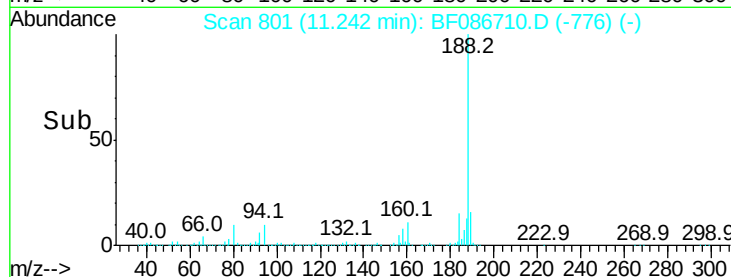
80 10.4 7.1 10.7



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



#69

Pentachlorophenol

Concen: 6.52 ng

RT: 11.05 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

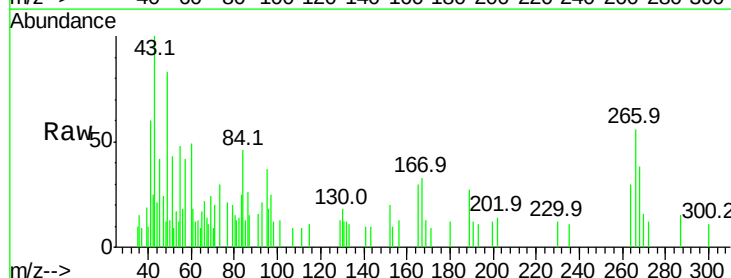
Tgt Ion:266 Resp: 3406

Ion Ratio Lower Upper

266 100

268 67.6 51.5 77.3

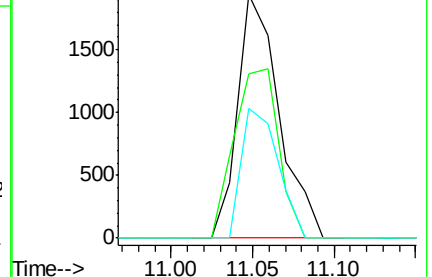
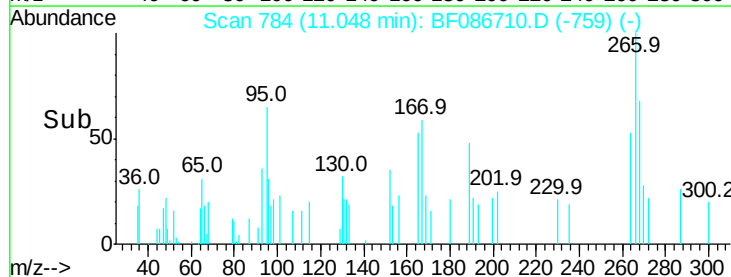
264 53.1 52.9 79.3

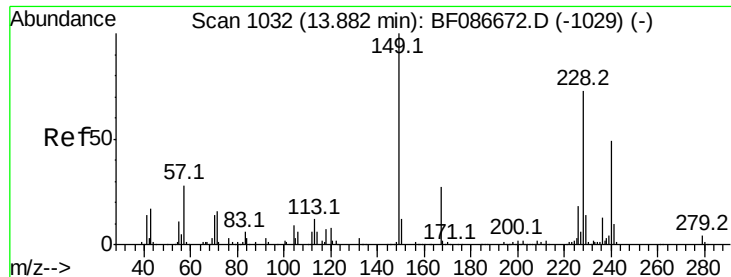


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

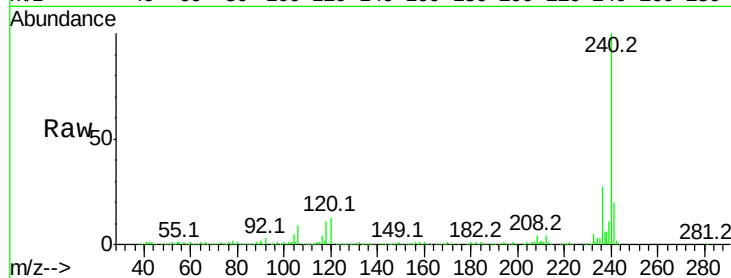
Tot Ion:240 Resp: 601802

Ion Ratio Lower Upper

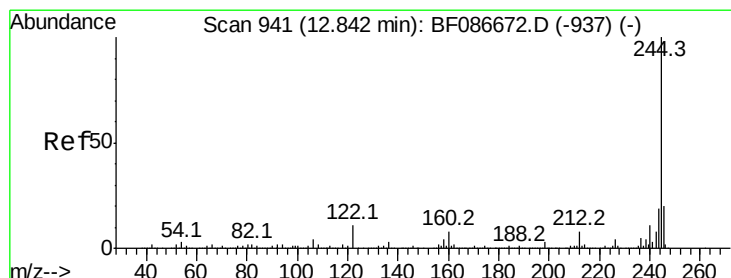
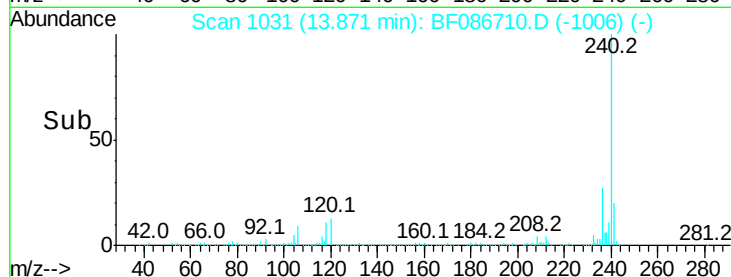
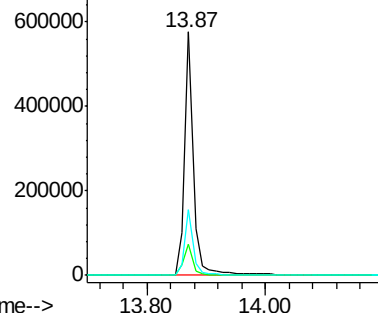
240 100

120 12.6 11.2 16.8

236 27.1 21.2 31.8



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: 71.13 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

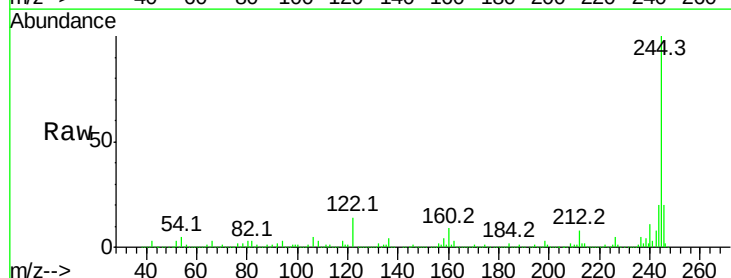
Tgt Ion:244 Resp: 2117979

Ion Ratio Lower Upper

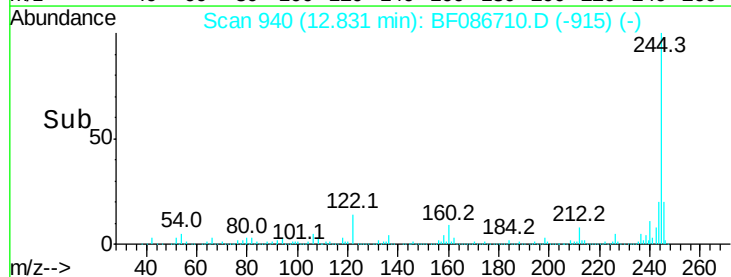
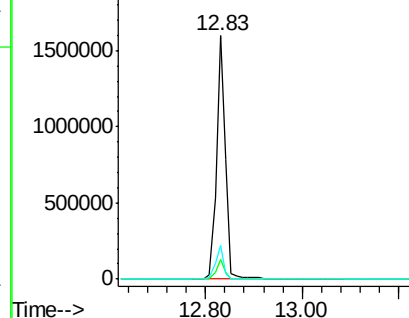
244 100

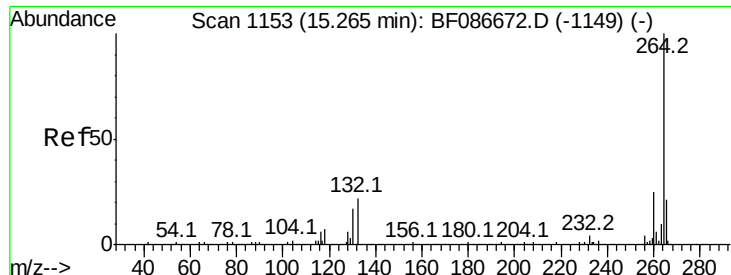
212 8.0 6.2 9.2

122 13.8 12.0 18.0



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

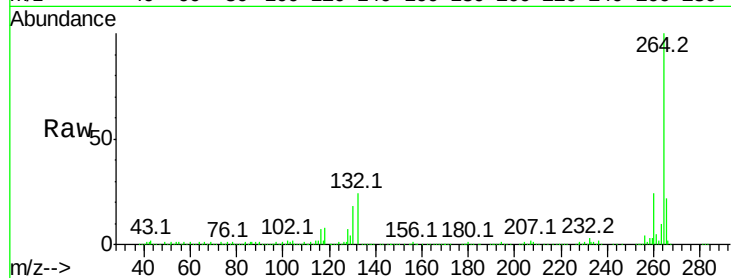




#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.2	17.3	25.9



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

