

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093297.D
 Acq On : 1 Mar 2017 18:50
 Operator : SJ/MA
 Sample : I2002-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(5.5-7.5)

Quant Time: Mar 02 00:04:18 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

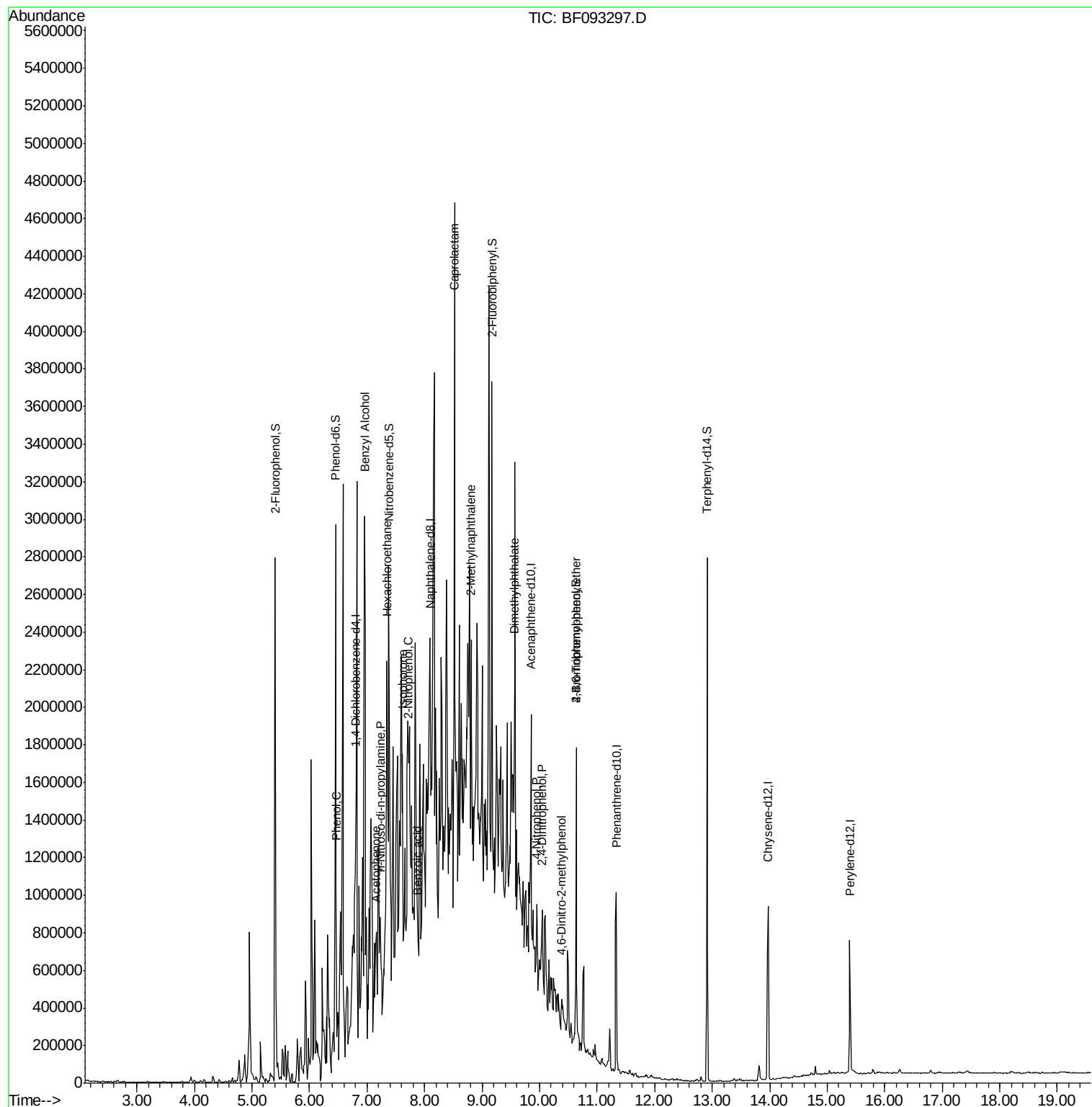
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	131383	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	493936	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	250904	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	493130	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	423019	20.00	ng	-0.05
86) Perylene-d12	15.39	264	315466	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	786126	102.65	ng	-0.05
7) Phenol-d6	6.45	99	960475	97.48	ng	-0.03
23) Nitrobenzene-d5	7.38	82	640929	72.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	184597	101.72	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	993389	71.73	ng	-0.05
78) Terphenyl-d14	12.91	244	868819	48.26	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.46	94	69873	6.06	ng	80
15) Benzyl Alcohol	6.96	79	17249	2.36	ng	# 40
18) Hexachloroethane	7.34	117	74639	21.83	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	40707	6.49	ng	# 63
22) Acetophenone	7.15	105	92389	8.19	ng	# 63
25) Isophorone	7.62	82	71724	4.34	ng	# 1
26) 2-Nitrophenol	7.72	139	10060	2.32	ng	# 1
32) Benzoic acid	7.88	122	7502	8.65	ng	# 27
35) Caprolactam	8.52	113	93670	41.99	ng	# 1
37) 2-Methylnaphthalene	8.81	142	509797	31.71	ng	# 99
49) Dimethylphthalate	9.56	163	60164	3.56	ng	# 91
53) 2,4-Dinitrophenol	10.04	184	491	4.98	ng	# 1
55) 4-Nitrophenol	9.95	139	7003	2.33	ng	# 35
64) 4,6-Dinitro-2-methylphenol	10.38	198	215	2.74	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	13758	2.67	ng	# 1

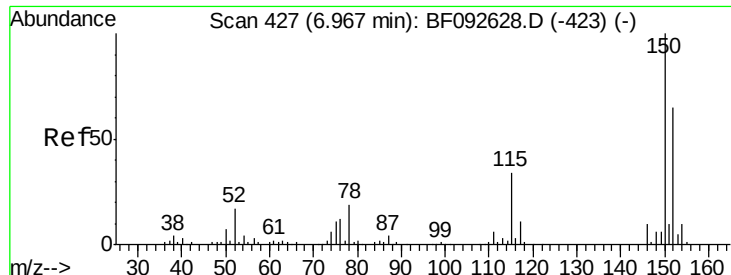
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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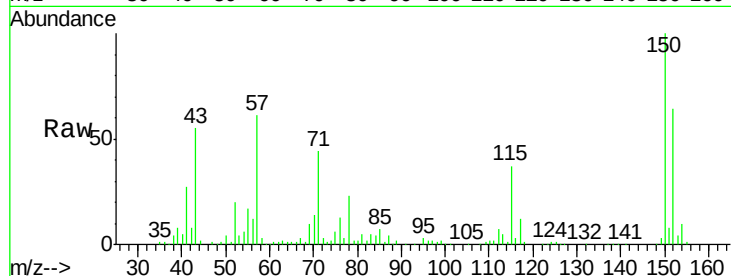


#1

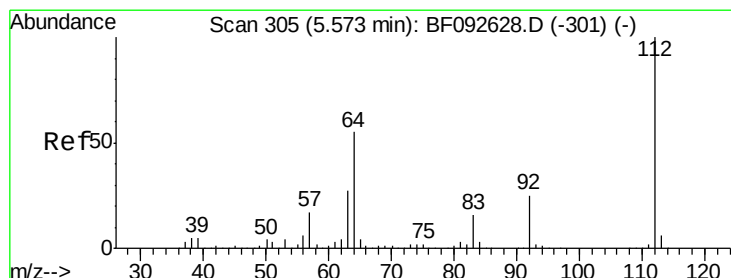
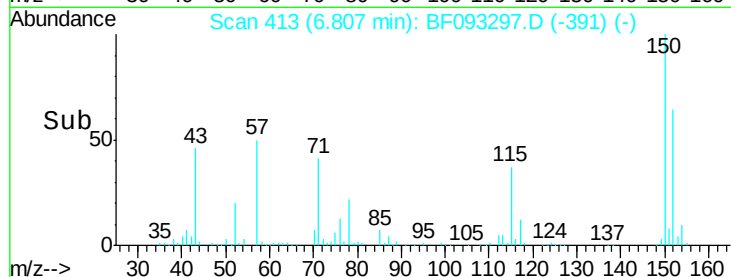
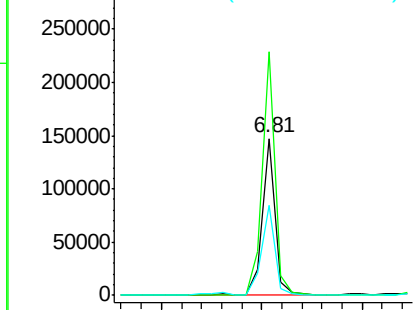
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Instrument :
BNA_F
ClientSampleId :
SSP-8(5.5-7.5)

Tgt Ion:152 Resp: 131383
Ion Ratio Lower Upper
152 100
150 155.1 124.9 187.3
115 57.0 46.0 69.0



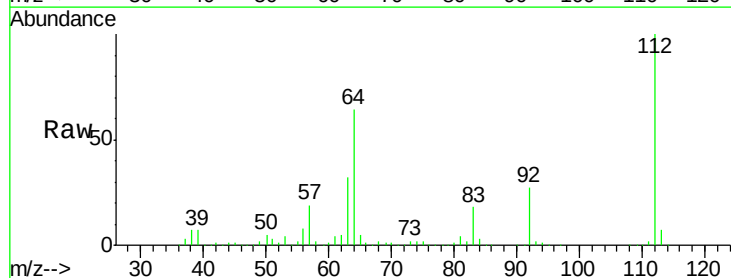
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



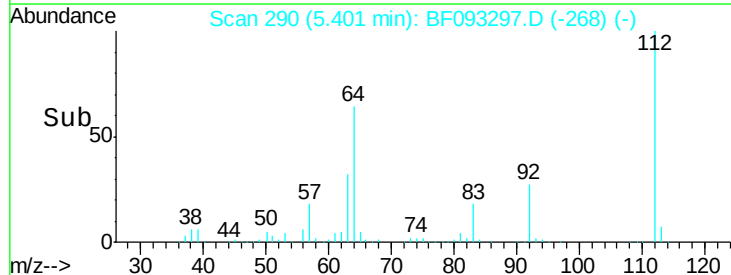
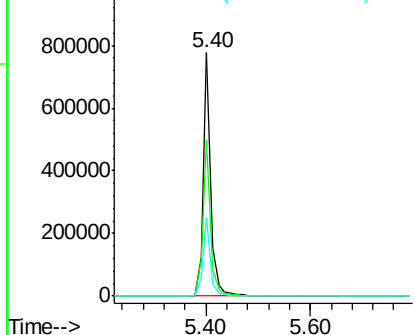
#5

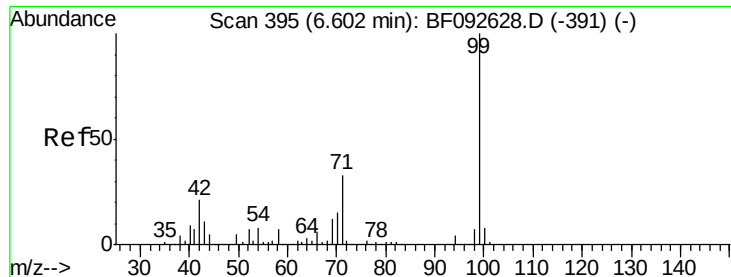
2-Fluorophenol
Concen: 102.65 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.05 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Tgt Ion:112 Resp: 786126
Ion Ratio Lower Upper
112 100
64 64.3 46.1 69.1
63 32.2 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: 97.48 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

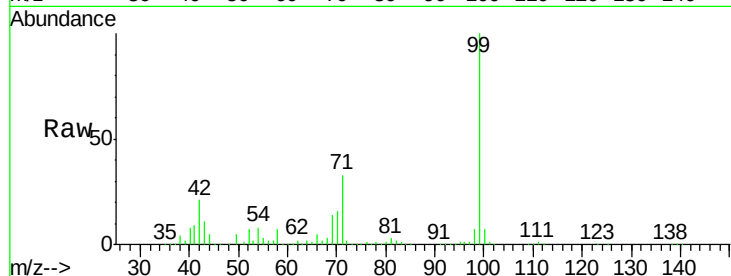
Tgt Ion: 99 Resp: 960475

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

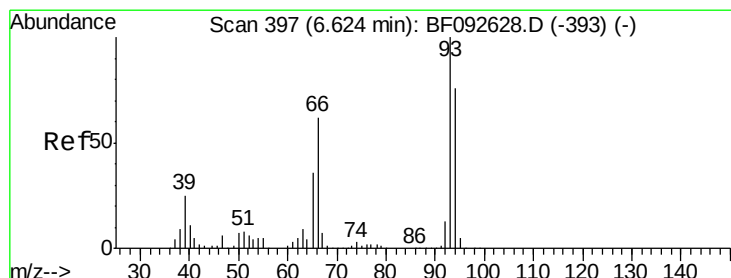
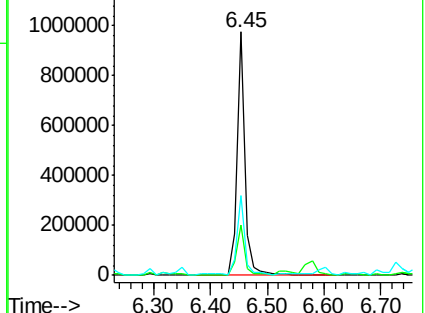
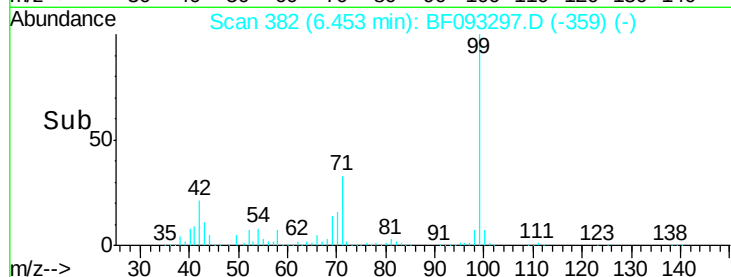
71 33.0 27.5 41.3



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



#10

Phenol

Concen: 6.06 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

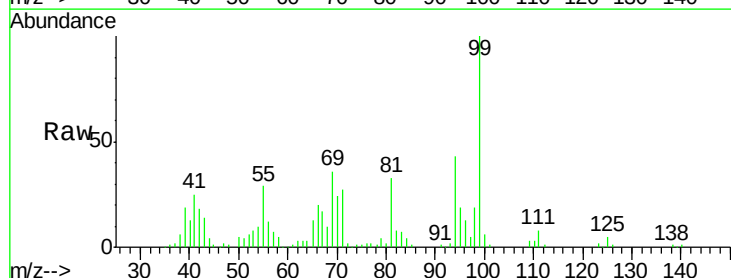
Tgt Ion: 94 Resp: 69873

Ion Ratio Lower Upper

94 100

65 30.6 21.4 61.4

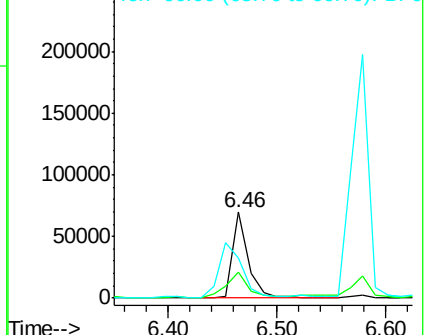
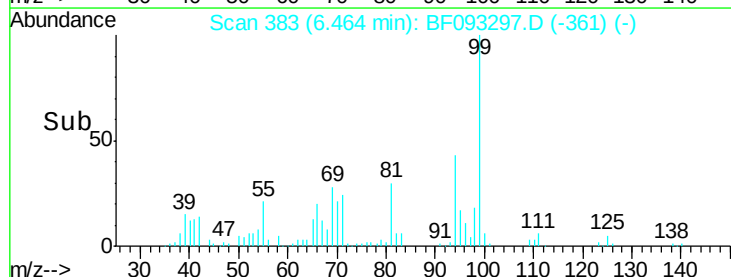
66 46.9 44.0 84.0

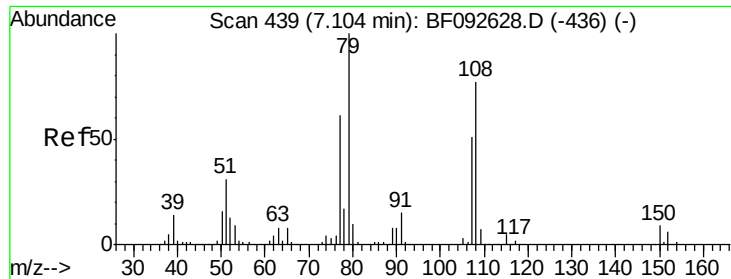


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

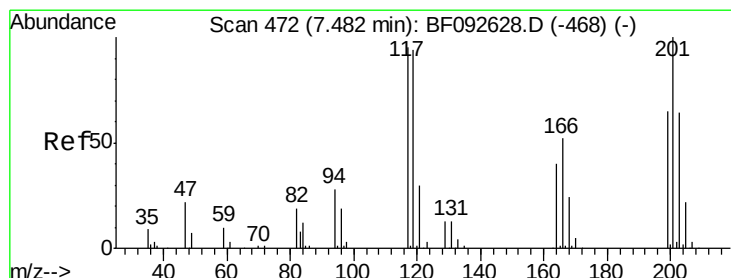
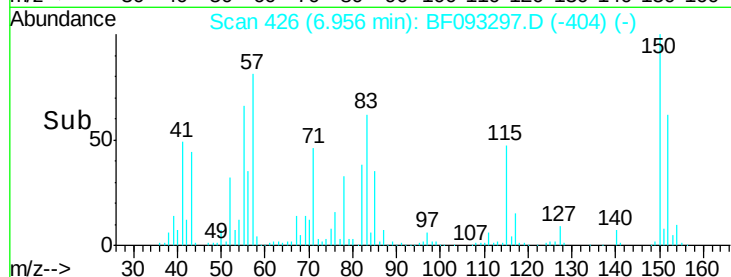
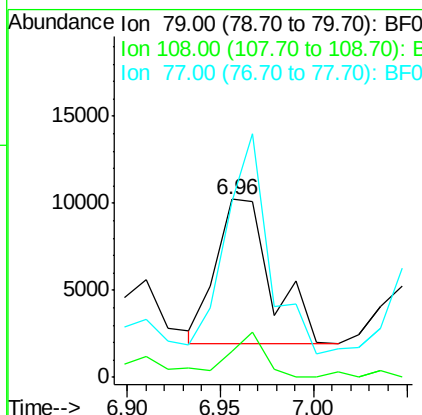
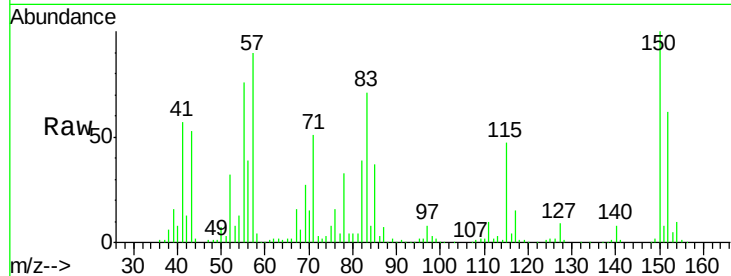




#15
Benzyl Alcohol
Concen: 2.36 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

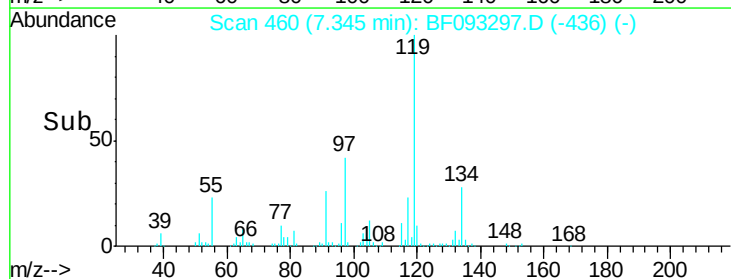
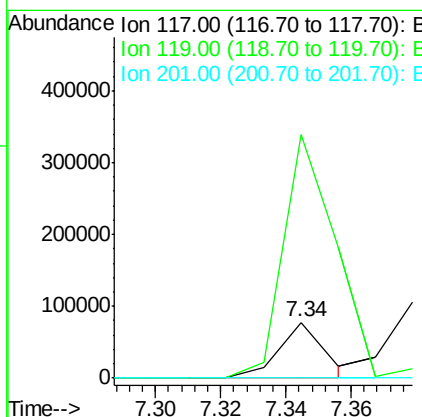
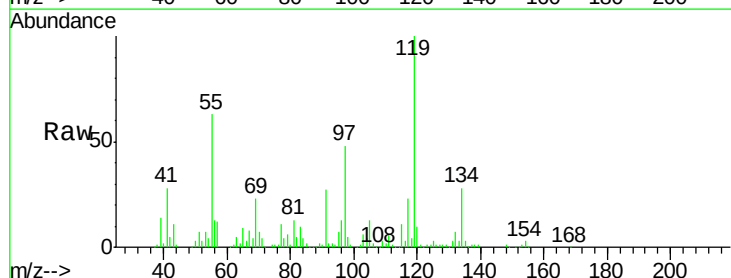
Instrument :
BNA_F
ClientSampleId :
SSP-8(5.5-7.5)

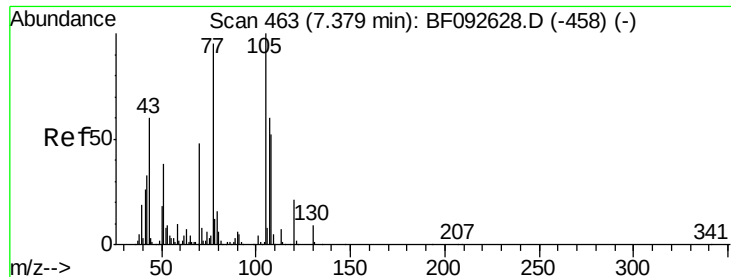
Tgt Ion: 79 Resp: 17249
Ion Ratio Lower Upper
79 100
108 14.3 61.4 92.0#
77 98.8 50.9 76.3#



#18
Hexachloroethane
Concen: 21.83 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Tgt Ion: 117 Resp: 74639
Ion Ratio Lower Upper
117 100
119 438.8 78.1 117.1#
201 0.0 78.6 117.8#

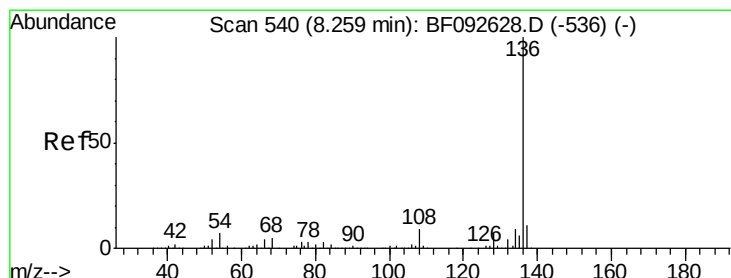
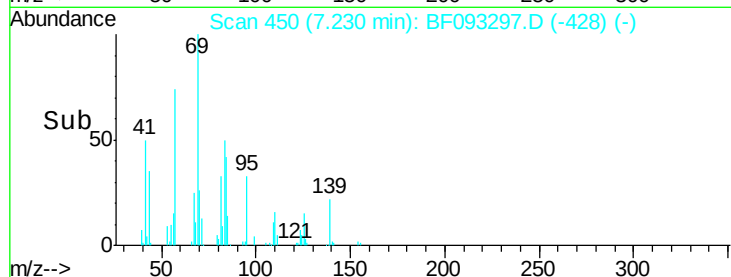
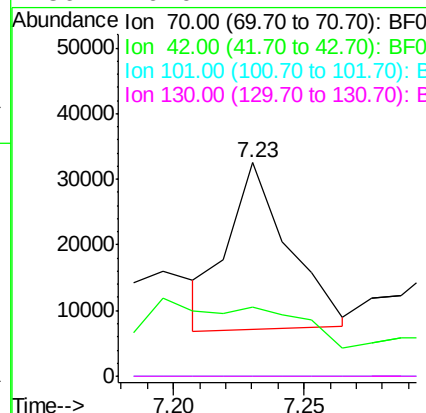
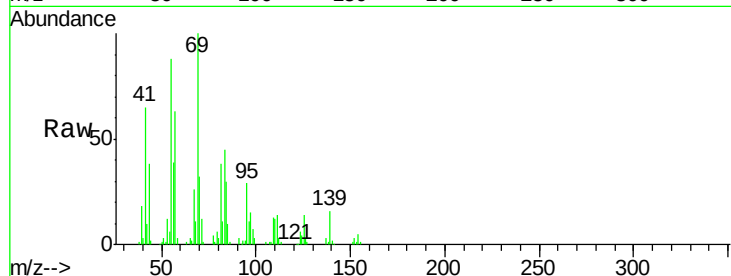




#19
n-Nitroso-di-n-propylamine
Concen: 6.49 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.05 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

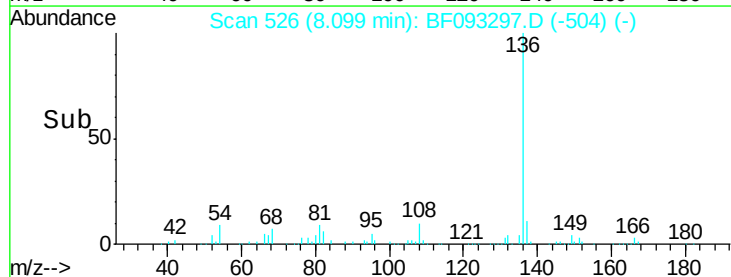
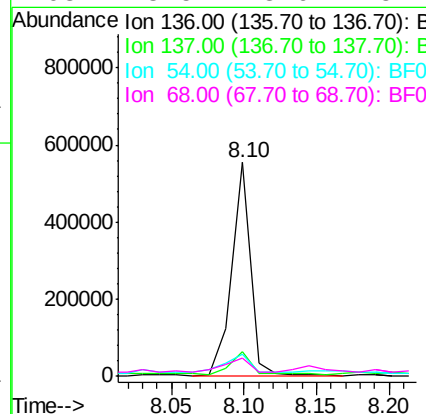
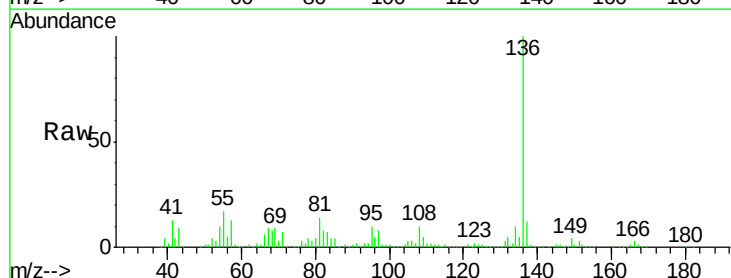
Instrument :
BNA_F
ClientSampleId :
SSP-8(5.5-7.5)

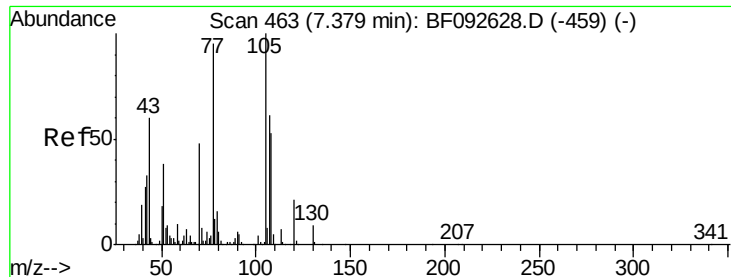
Tgt Ion: 70 Resp: 40707
Ion Ratio Lower Upper
70 100
42 32.3 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Tgt Ion: 136 Resp: 493936
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 10.1 4.5 6.7#
68 8.5 3.6 5.4#





#22

Acetophenone

Concen: 8.19 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.11 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

Tgt Ion:105 Resp: 92389

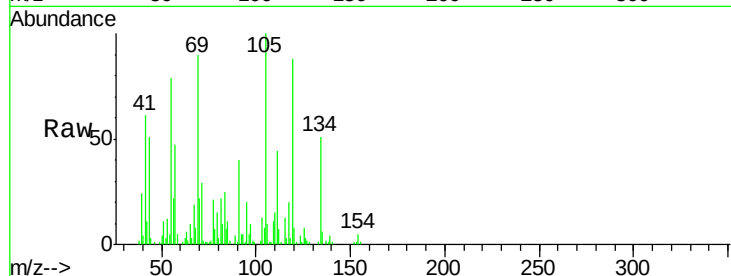
Ion Ratio Lower Upper

105 100

71 29.3 3.2 4.8#

51 11.2 26.2 39.4#

120 8.1 16.6 24.8#



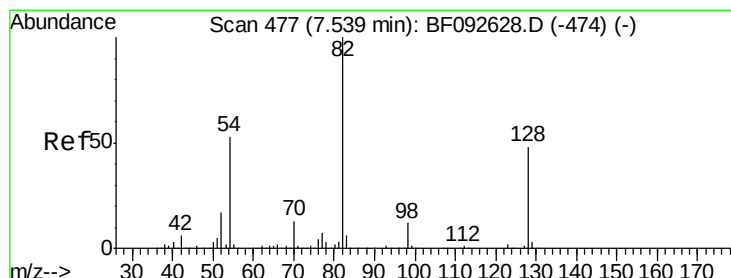
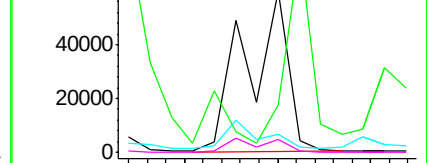
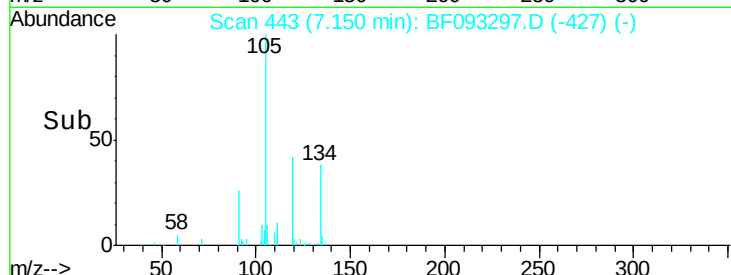
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 72.26 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

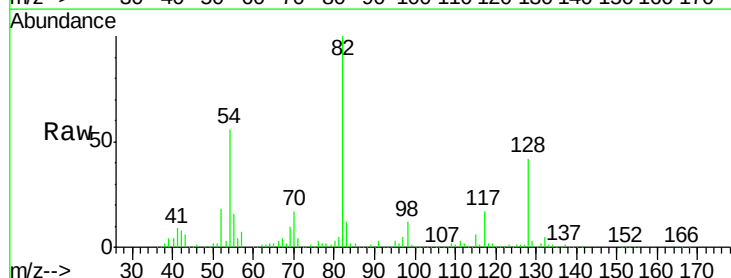
Tgt Ion: 82 Resp: 640929

Ion Ratio Lower Upper

82 100

128 42.3 34.6 52.0

54 56.5 39.5 59.3

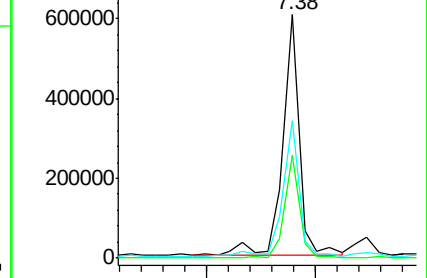
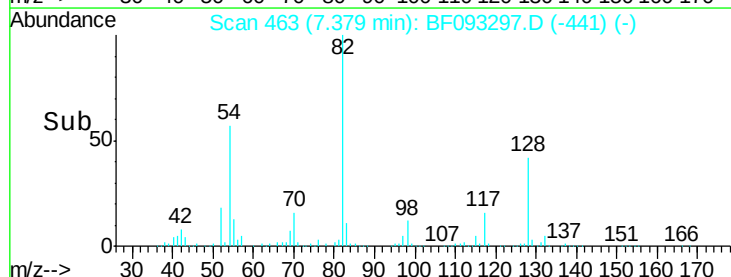


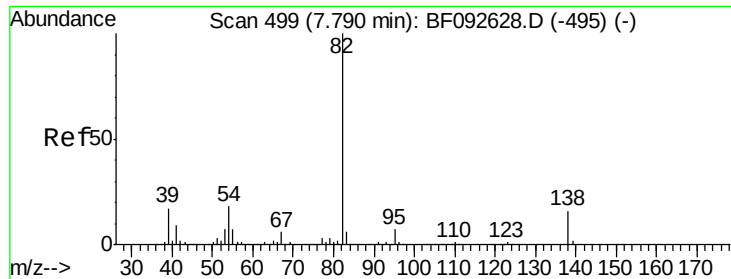
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 4.34 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.07 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

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ClientSampleId :

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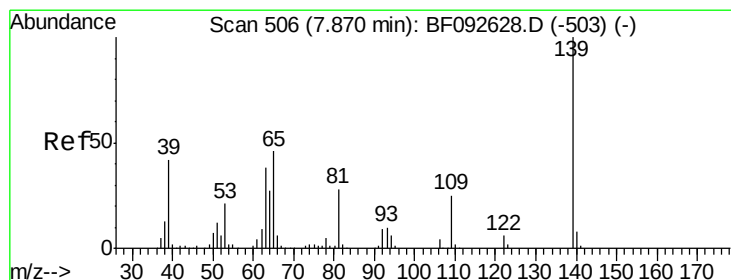
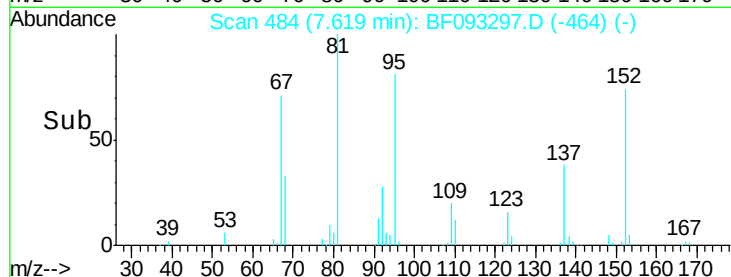
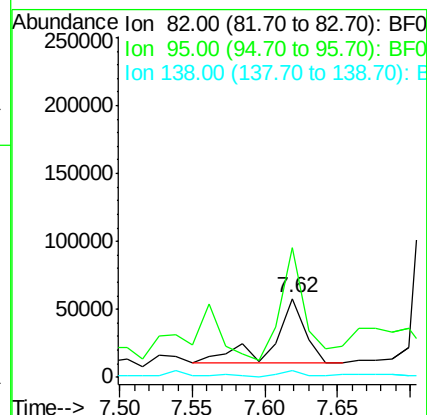
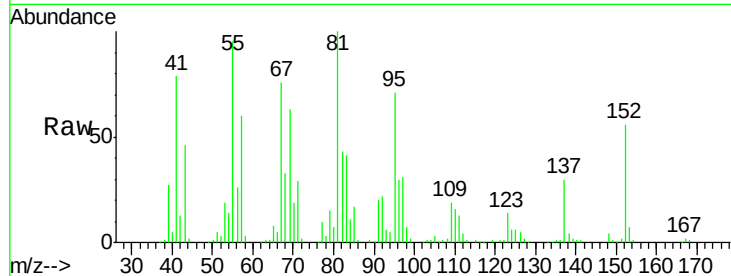
Tgt Ion: 82 Resp: 71724

Ion Ratio Lower Upper

82 100

95 166.0 5.6 8.4#

138 8.4 14.6 22.0#



#26

2-Nitrophenol

Concen: 2.32 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.03 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

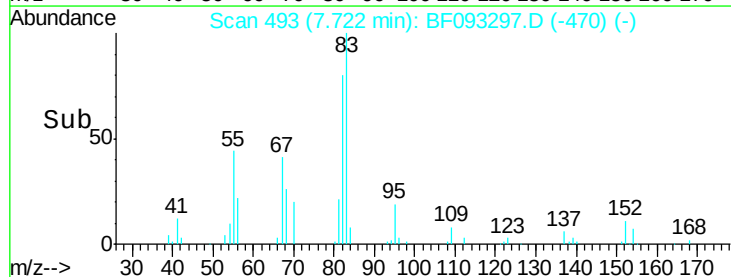
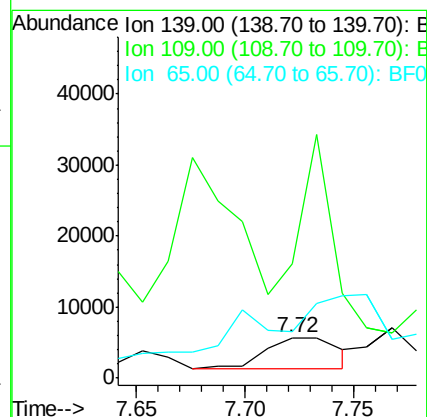
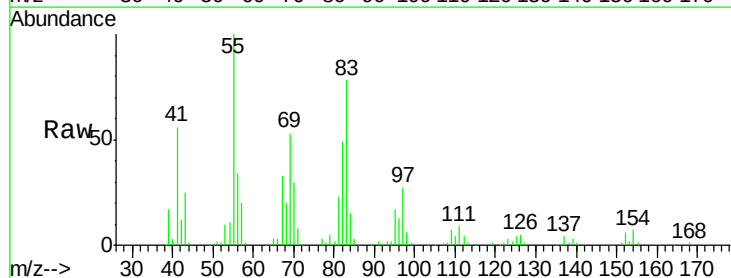
Tgt Ion: 139 Resp: 10060

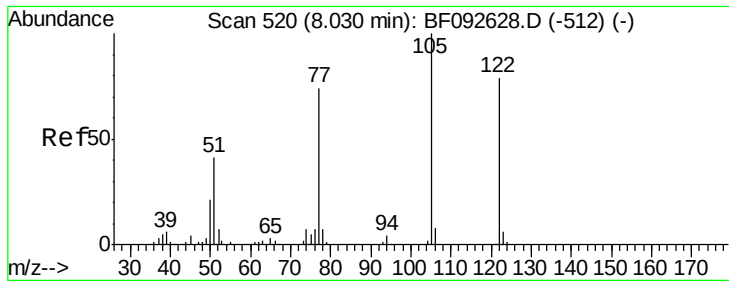
Ion Ratio Lower Upper

139 100

109 282.8 23.3 34.9#

65 114.8 42.7 64.1#





#32

Benzoic acid

Concen: 8.65 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

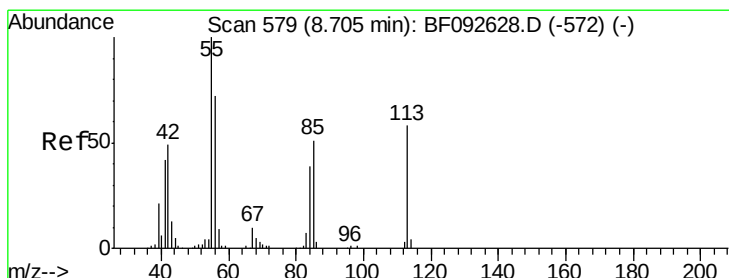
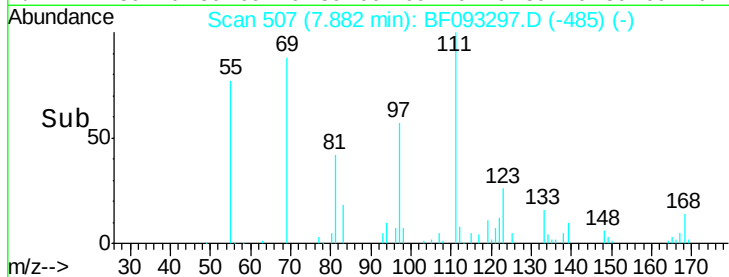
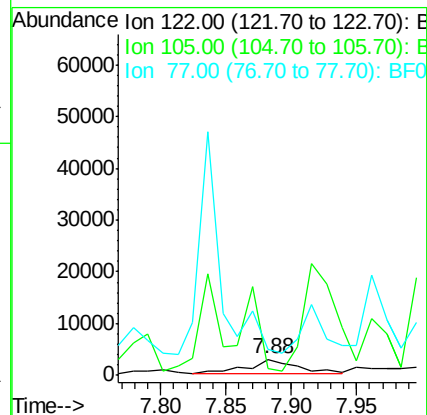
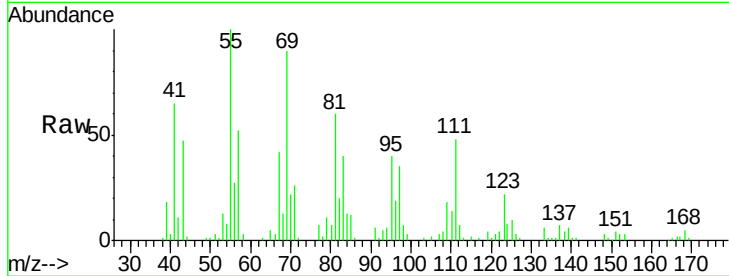
Tgt Ion:122 Resp: 7502

Ion Ratio Lower Upper

122 100

105 39.5 107.2 147.2#

77 160.0 74.5 114.5#



#35

Caprolactam

Concen: 41.99 ng

RT: 8.52 min Scan# 563

Delta R.T. -0.07 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

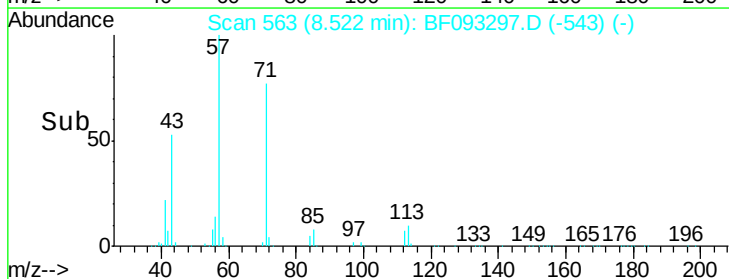
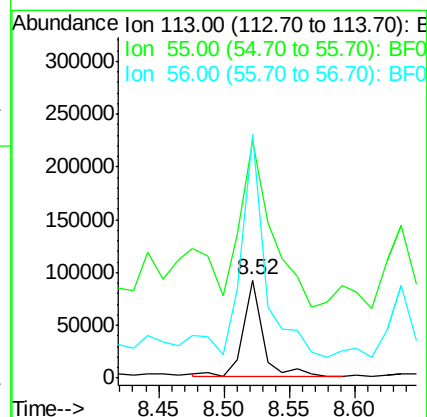
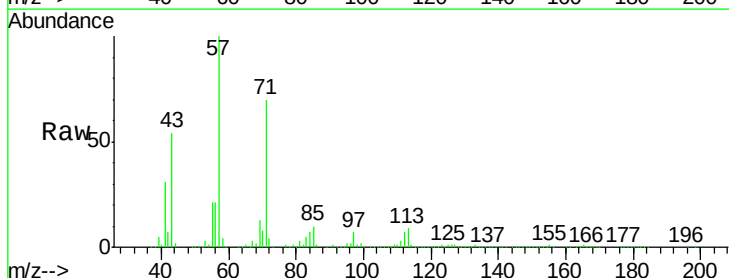
Tgt Ion:113 Resp: 93670

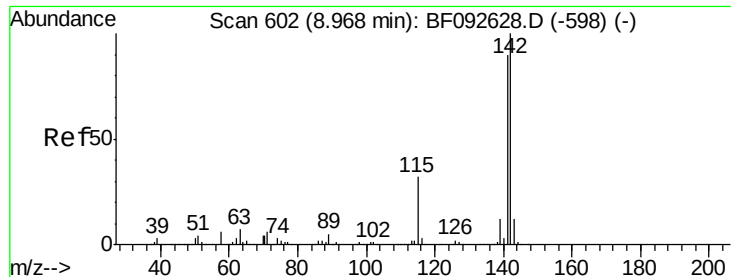
Ion Ratio Lower Upper

113 100

55 242.0 119.2 159.2#

56 248.5 83.8 123.8#





#37

2-Methylnaphthalene

Concen: 31.71 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

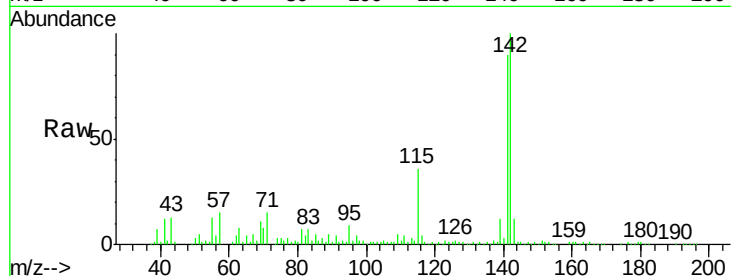
Tgt Ion:142 Resp: 509797

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6

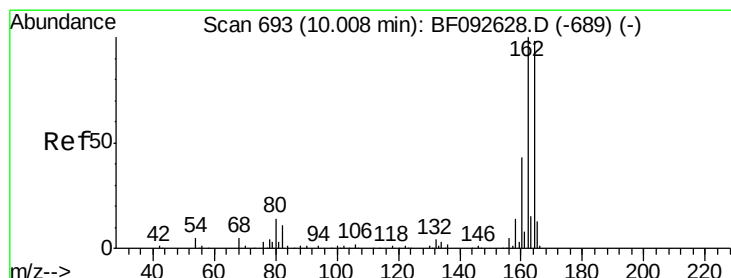
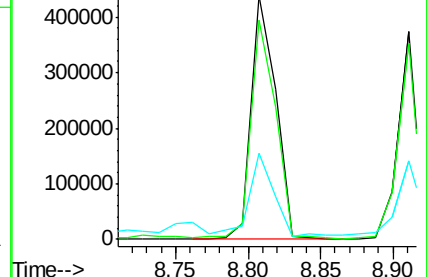
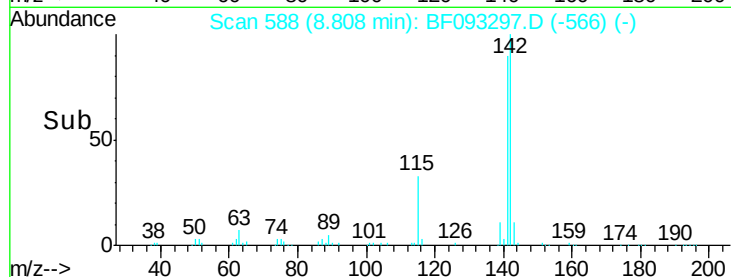
115 35.5 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

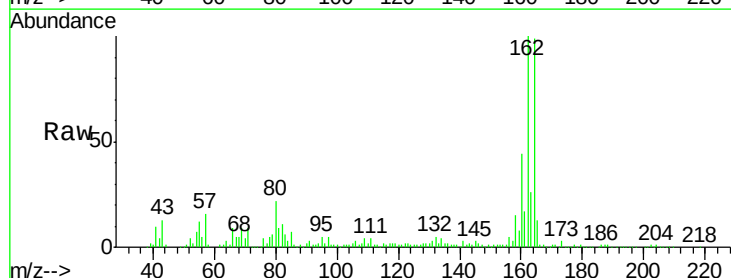
Tgt Ion:164 Resp: 250904

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

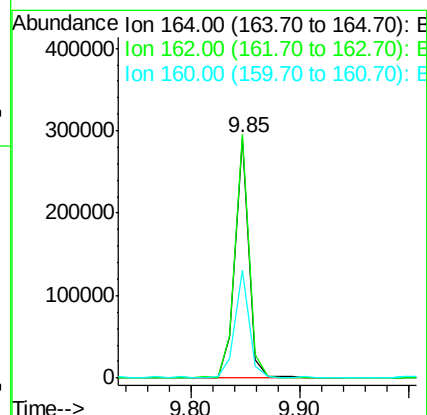
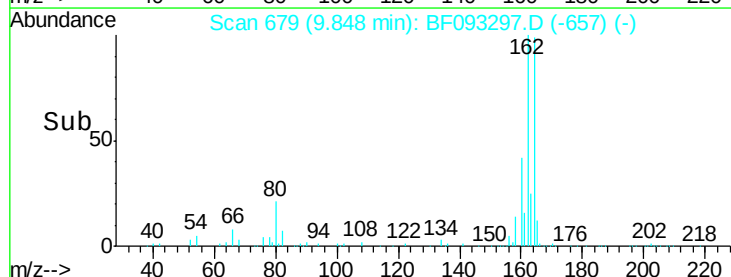
160 45.0 36.9 55.3

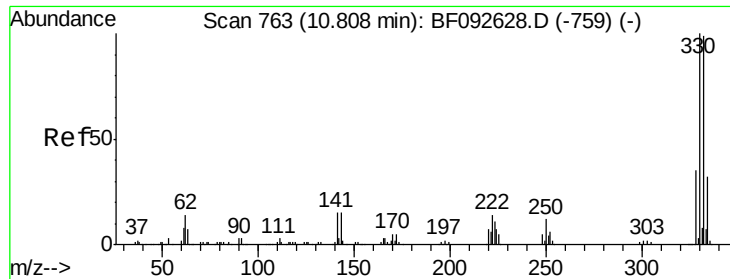


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

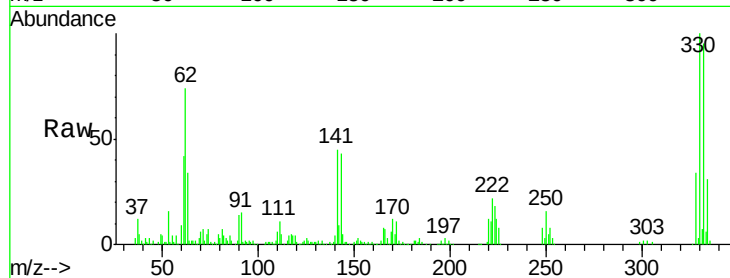




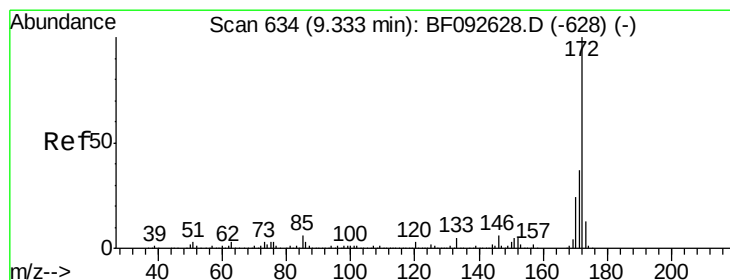
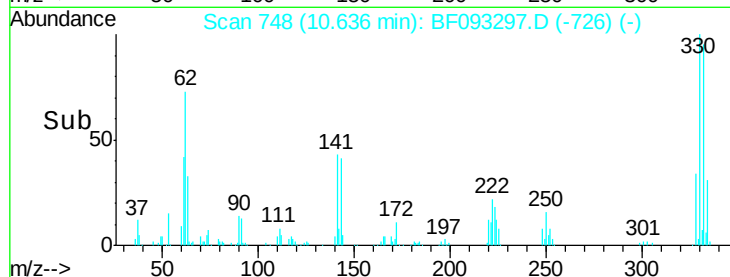
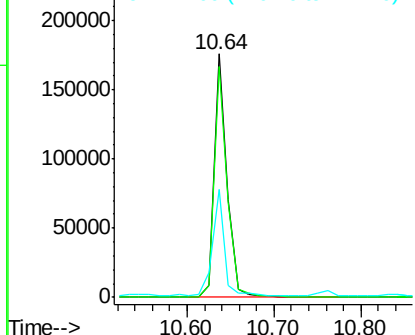
#41
 2,4,6-Tribromophenol
 Concen: 101.72 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093297.D
 Acq: 1 Mar 2017 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(5.5-7.5)

Tgt Ion:330 Resp: 184597
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.2
 141 40.0 34.1 51.1

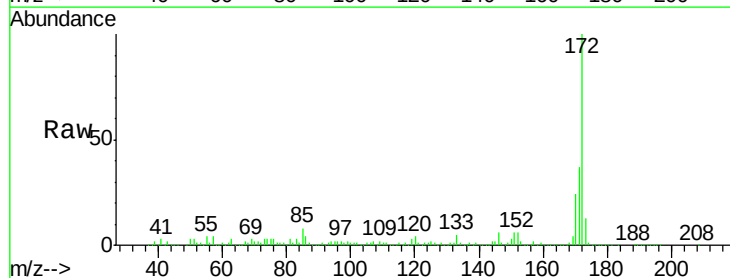


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

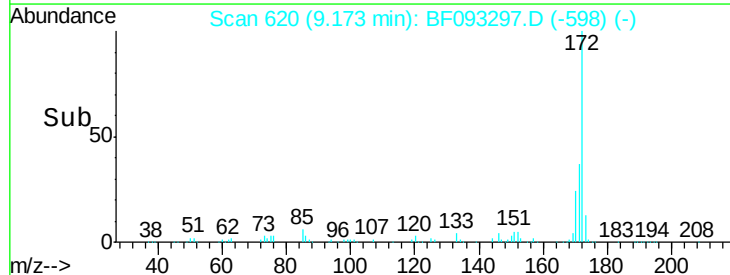
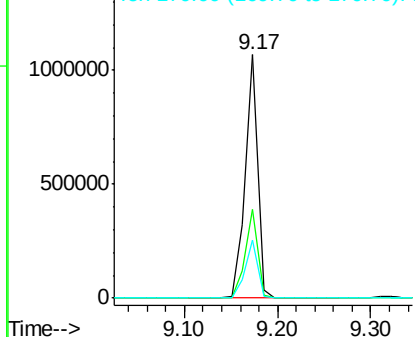


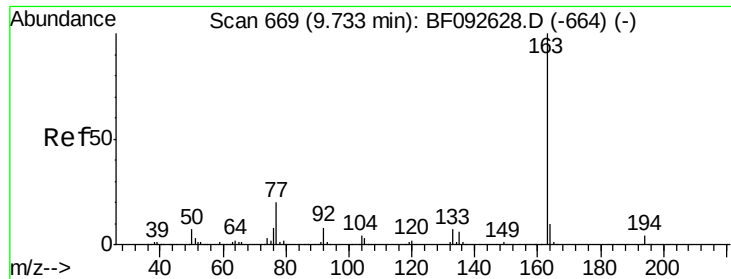
#44
 2-Fluorobiphenyl
 Concen: 71.73 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093297.D
 Acq: 1 Mar 2017 18:50

Tgt Ion:172 Resp: 993389
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 23.9 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

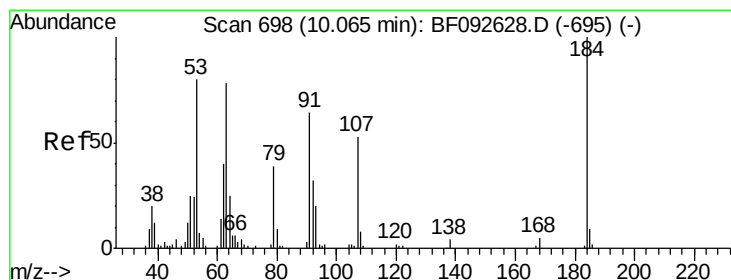
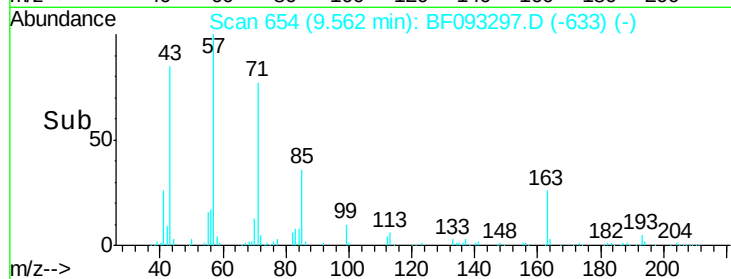
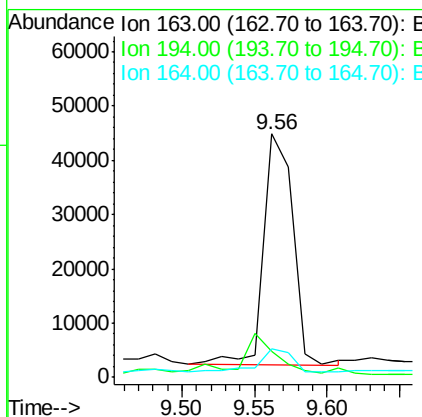
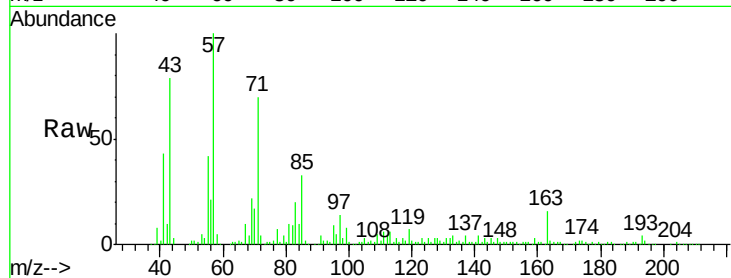




#49
Dimethylphthalate
Concen: 3.56 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

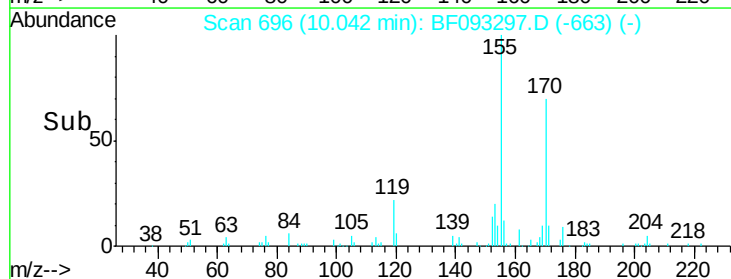
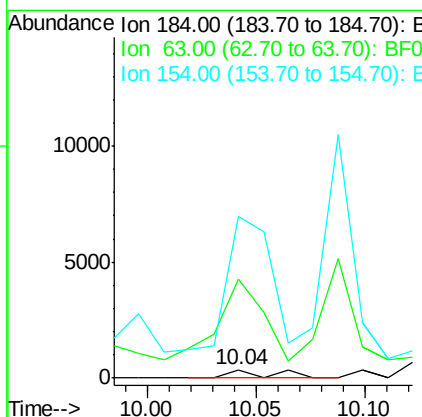
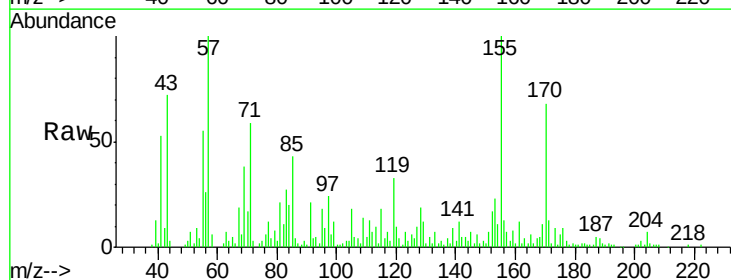
Instrument :
BNA_F
ClientSampleId :
SSP-8(5.5-7.5)

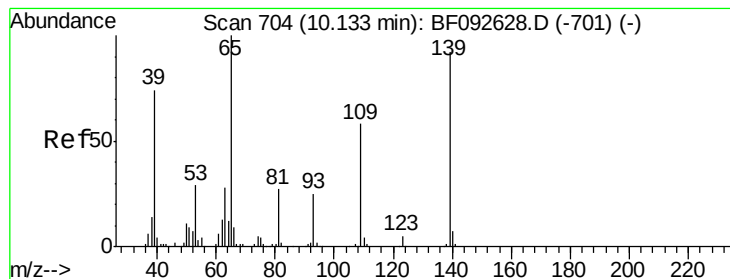
Tgt Ion:163 Resp: 60164
Ion Ratio Lower Upper
163 100
194 10.6 3.0 4.4#
164 11.6 8.0 12.0



#53
2,4-Dinitrophenol
Concen: 4.98 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.08 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Tgt Ion:184 Resp: 491
Ion Ratio Lower Upper
184 100
63 1159.1 28.4 42.6#
154 1891.6 44.3 66.5#





#55

4-Nitrophenol

Concen: 2.33 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.07 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

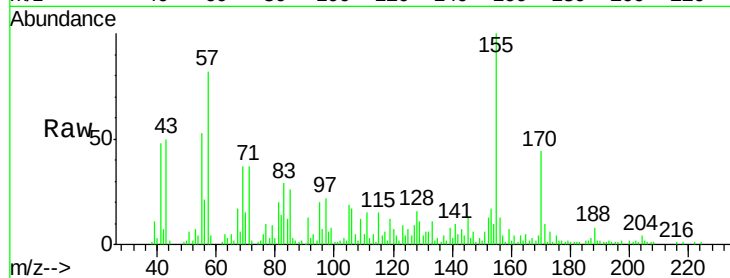
Tgt Ion:139 Resp: 7003

Ion Ratio Lower Upper

139 100

109 154.3 52.2 92.2#

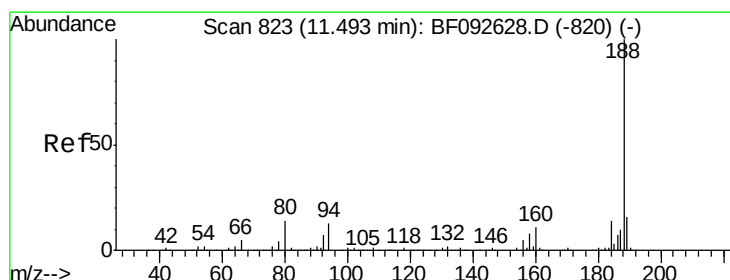
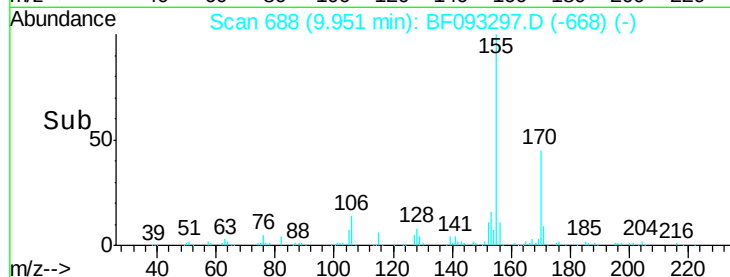
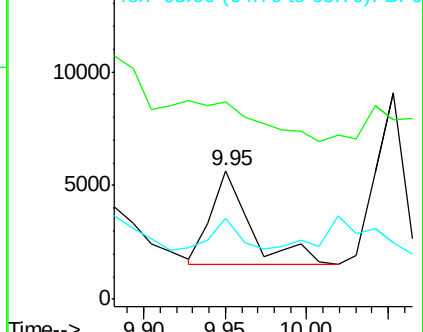
65 62.8 85.8 125.8#



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): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

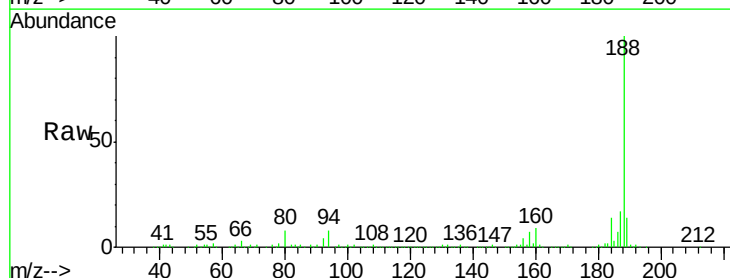
Tgt Ion:188 Resp: 493130

Ion Ratio Lower Upper

188 100

94 7.9 10.0 15.0#

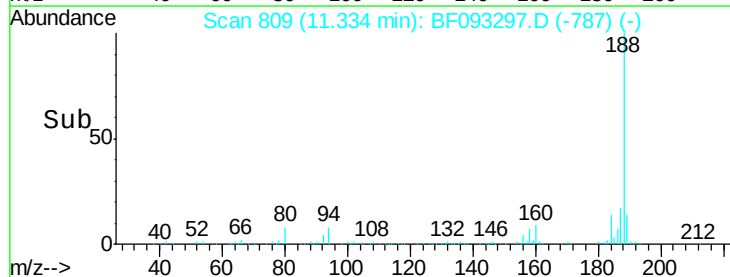
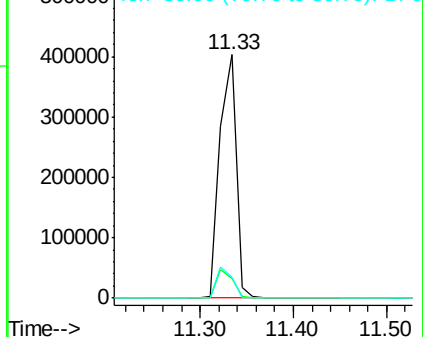
80 8.4 11.2 16.8#

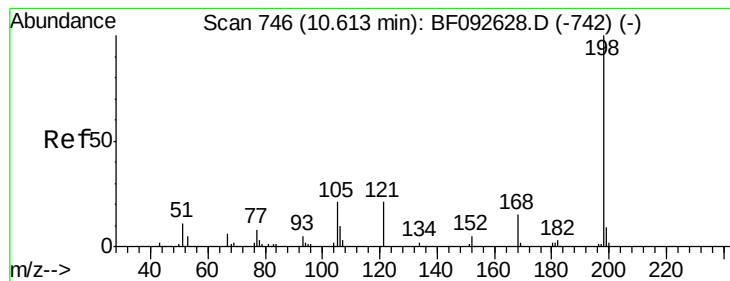


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.74 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.11 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

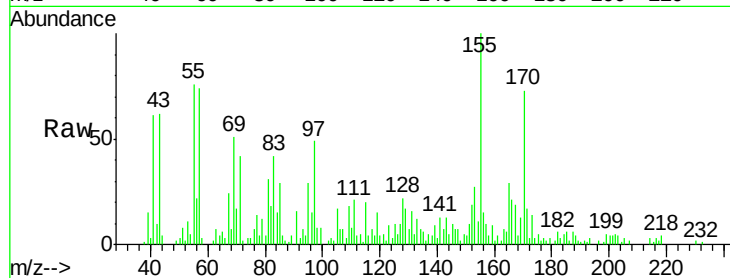
Tgt Ion:198 Resp: 215

Ion Ratio Lower Upper

198 100

51 676.1 6.7 46.7#

105 1401.6 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

10000

8000

6000

4000

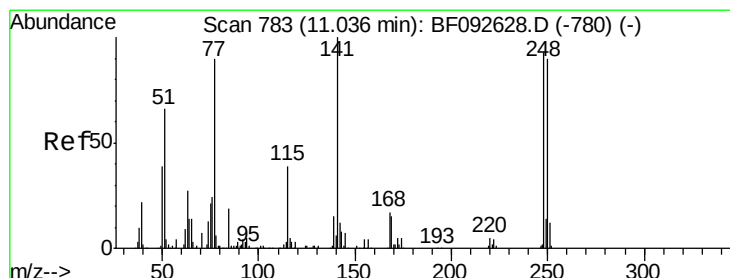
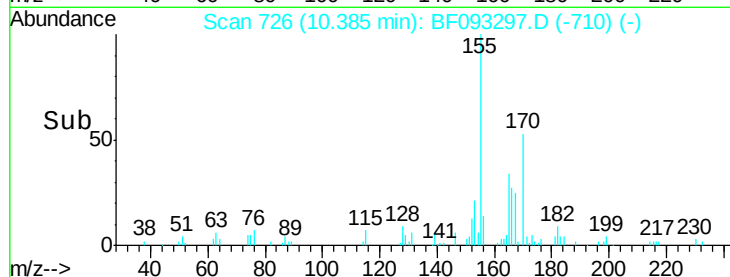
2000

0

10.35

10.40

Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.67 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

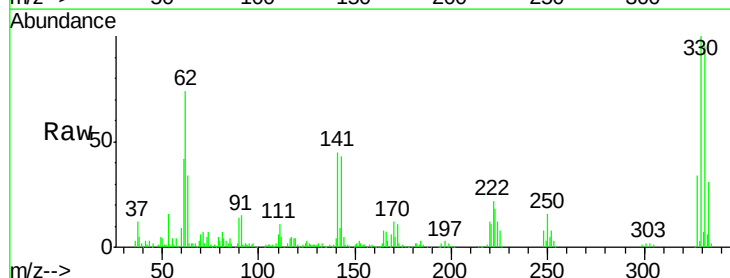
Tgt Ion:248 Resp: 13758

Ion Ratio Lower Upper

248 100

250 194.0 76.9 115.3#

141 537.0 68.2 102.4#



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

100000

80000

60000

40000

20000

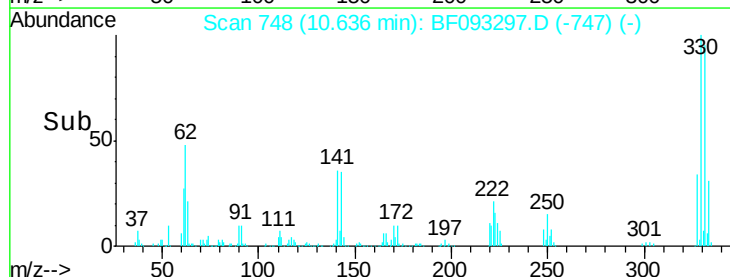
0

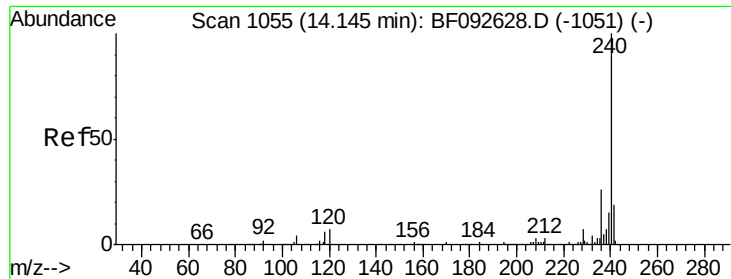
10.60

10.65

10.70

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

Instrument :

BNA_F

ClientSampleId :

SSP-8(5.5-7.5)

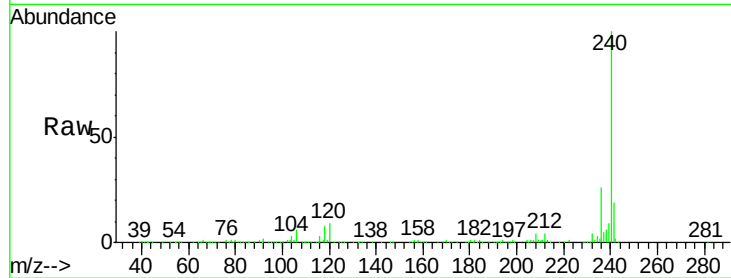
Tgt Ion:240 Resp: 423019

Ion Ratio Lower Upper

240 100

120 9.4 12.9 19.3#

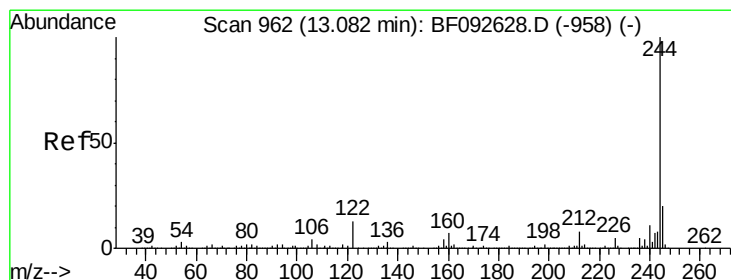
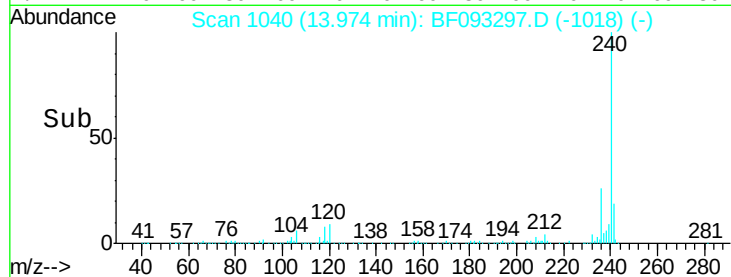
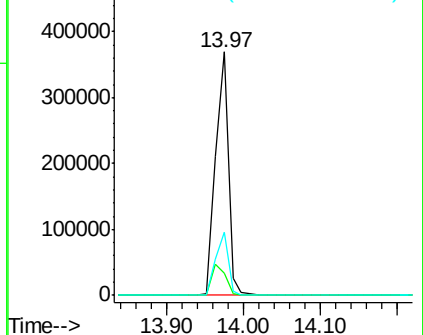
236 25.7 20.9 31.3



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: 48.26 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093297.D

Acq: 1 Mar 2017 18:50

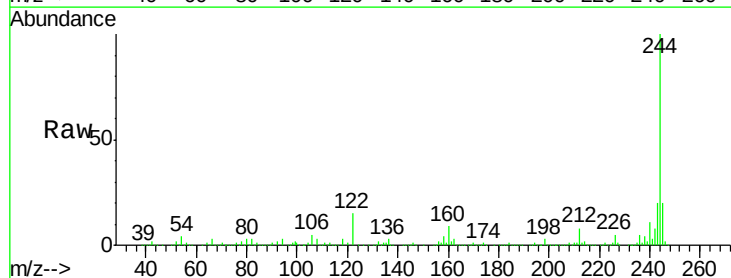
Tgt Ion:244 Resp: 868819

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

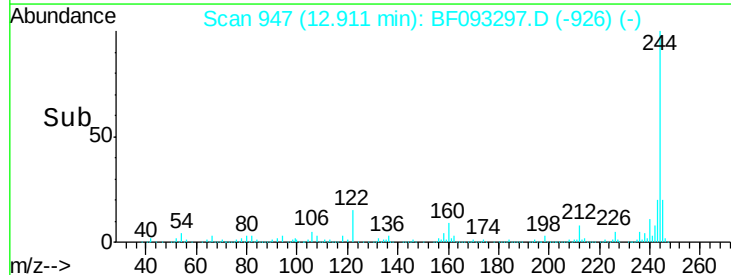
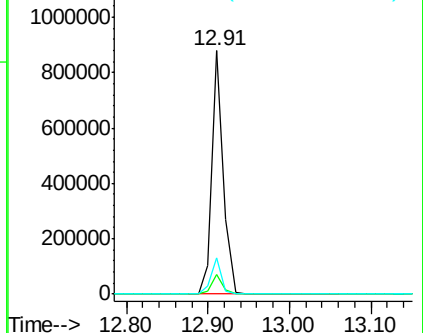
122 15.1 11.4 17.2

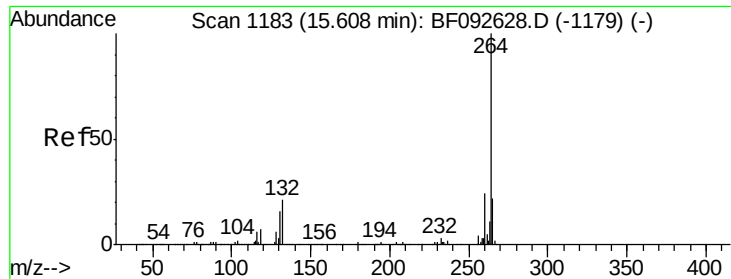


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093297.D
Acq: 1 Mar 2017 18:50

Instrument :
BNA_F
ClientSampleId :
SSP-8(5.5-7.5)

Tgt Ion: 264 Resp: 315466
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.2 17.4 26.0

