

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093294.D
 Acq On : 1 Mar 2017 17:25
 Operator : SJ/MA
 Sample : I2002-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)

Quant Time: Mar 02 00:03:14 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	141089	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	524446	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	266692	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	507973	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	441659	20.00	ng	-0.05
86) Perylene-d12	15.39	264	332895	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1033691	125.70	ng	-0.05
7) Phenol-d6	6.45	99	1281530	121.11	ng	-0.03
23) Nitrobenzene-d5	7.38	82	860131	91.33	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	237014	122.88	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1336536	90.79	ng	-0.05
78) Terphenyl-d14	12.91	244	1254702	66.75	ng	-0.06

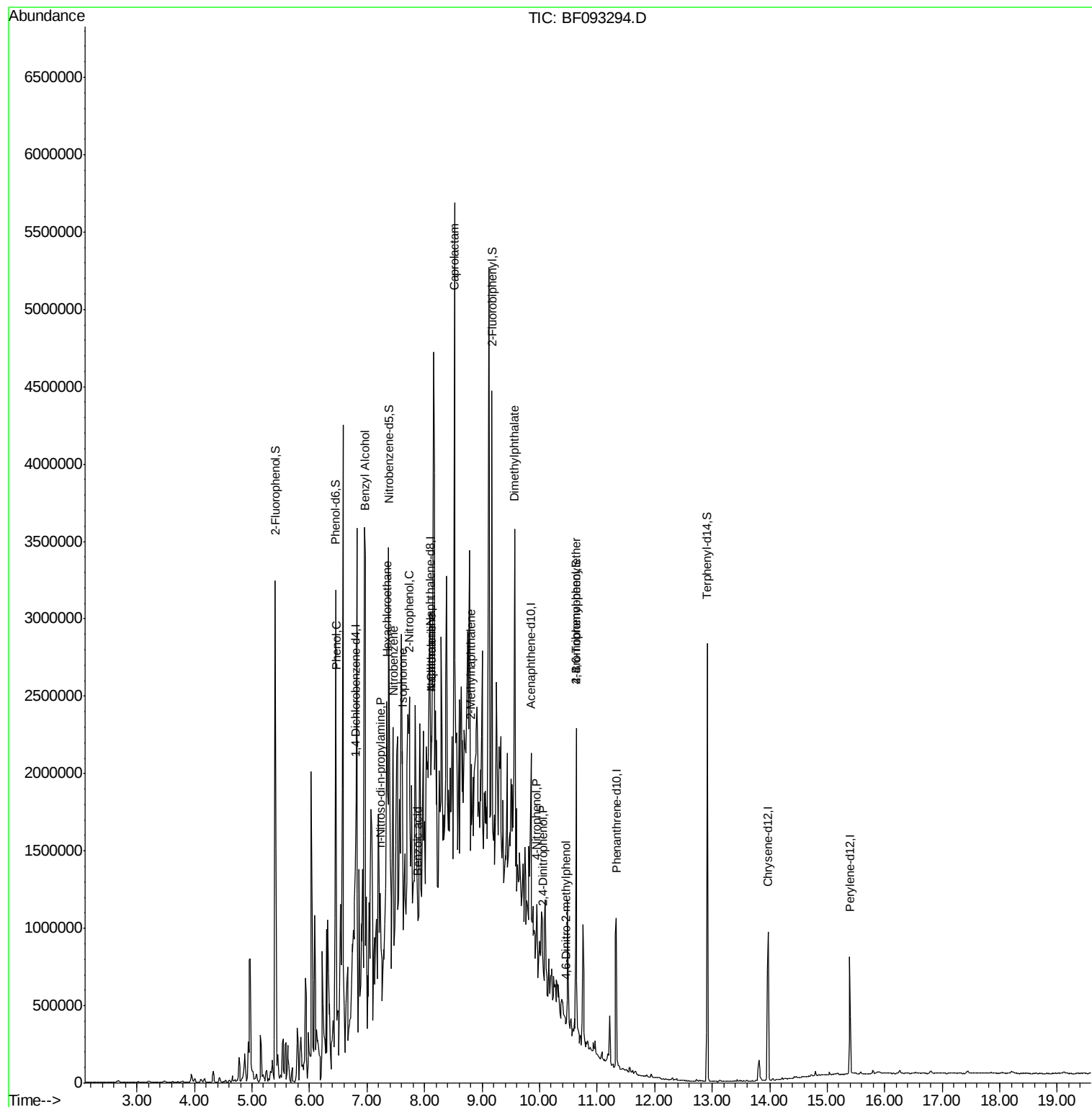
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	85398	6.90	ng	# 82
15) Benzyl Alcohol	6.97	79	23545	3.01	ng	# 32
18) Hexachloroethane	7.34	117	69571	18.95	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	51491	7.64	ng	# 66
24) Nitrobenzene	7.46	77	23899	2.47	ng	# 41
25) Isophorone	7.62	82	93085	5.30	ng	# 1
26) 2-Nitrophenol	7.73	139	10100	2.20	ng	# 1
31) Naphthalene	8.12	128	130535	4.91	ng	# 73
32) Benzoic acid	7.88	122	11198	9.25	ng	# 38
33) 4-Chloroaniline	8.12	127	49298	4.73	ng	# 15
35) Caprolactam	8.52	113	125513	53.00	ng	# 1
37) 2-Methylnaphthalene	8.81	142	159474	9.34	ng	# 97
49) Dimethylphthalate	9.56	163	68898	3.84	ng	# 94
53) 2,4-Dinitrophenol	10.05	184	1300	5.35	ng	# 1
55) 4-Nitrophenol	9.95	139	6537	2.04	ng	# 15
64) 4,6-Dinitro-2-methylphenol	10.45	198	276	2.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17526	3.30	ng	# 1

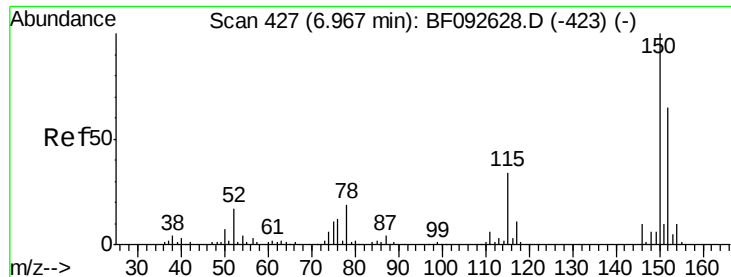
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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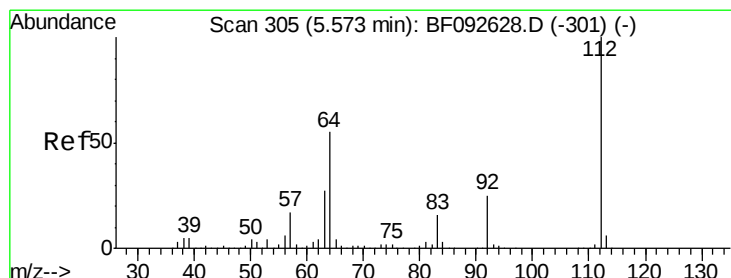
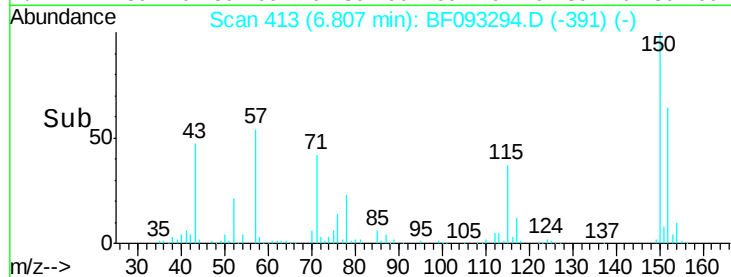
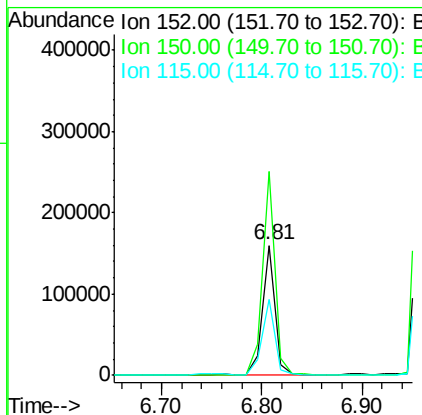
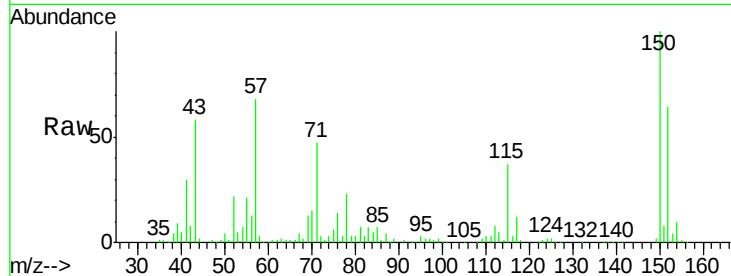


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)

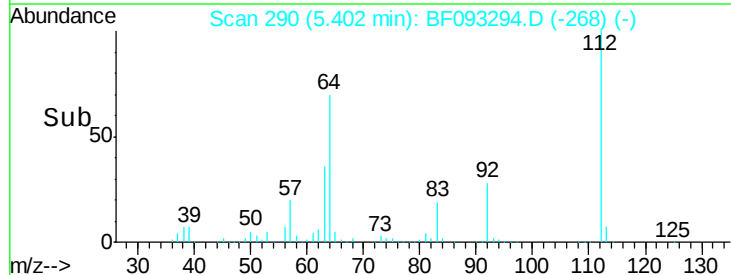
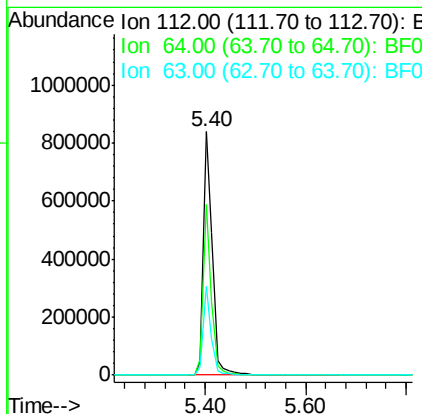
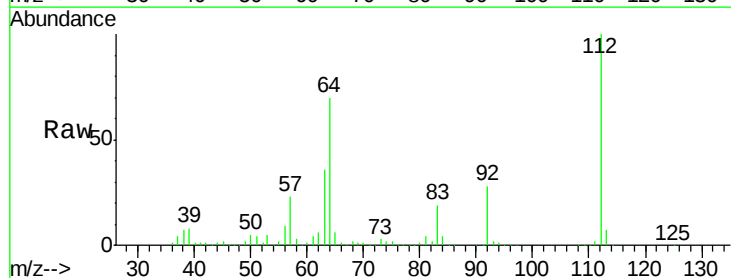
Tgt Ion:152 Resp: 141089
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.9 187.3
 115 58.4 46.0 69.0

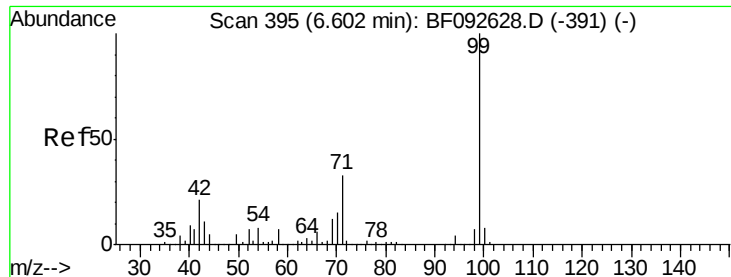


#5

2-Fluorophenol
 Concen: 125.70 ng
 RT: 5.40 min Scan# 290
 Delta R.T. -0.05 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

Tgt Ion:112 Resp: 1033691
 Ion Ratio Lower Upper
 112 100
 64 70.3 46.1 69.1#
 63 36.3 23.8 35.6#





#7

Phenol-d6

Concen: 121.11 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

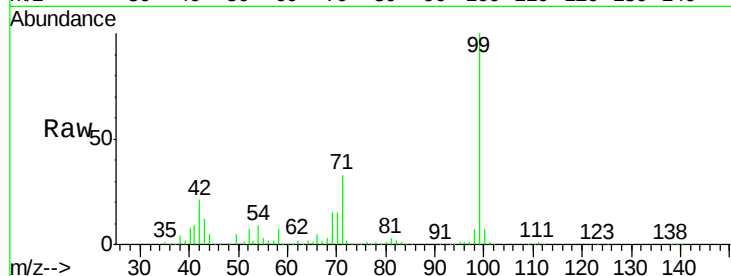
Tgt Ion: 99 Resp: 1281530

Ion Ratio Lower Upper

99 100

42 21.4 15.6 23.4

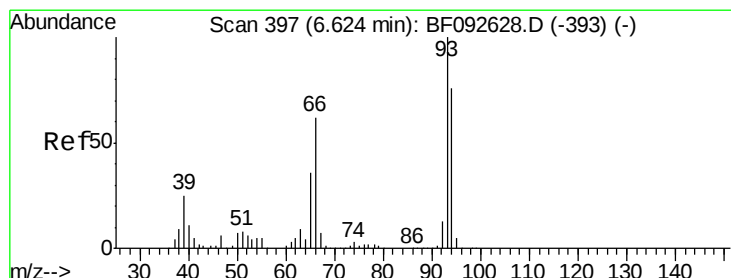
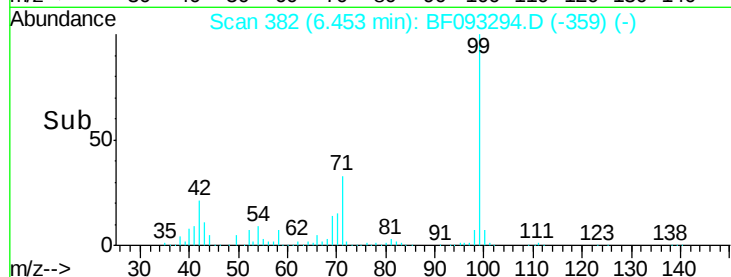
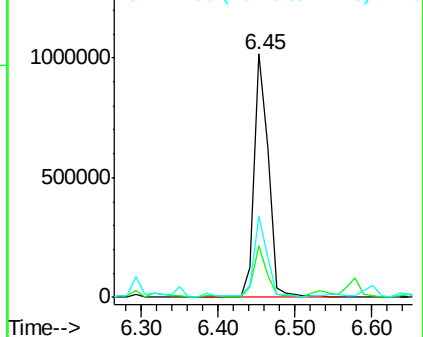
71 33.1 27.5 41.3



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: 6.90 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

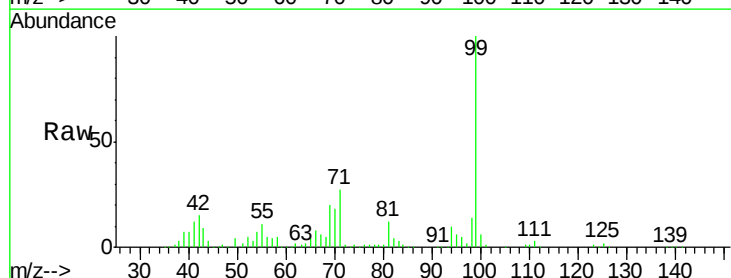
Tgt Ion: 94 Resp: 85398

Ion Ratio Lower Upper

94 100

65 44.9 21.4 61.4

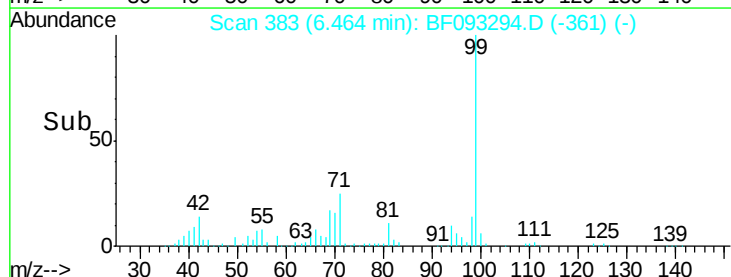
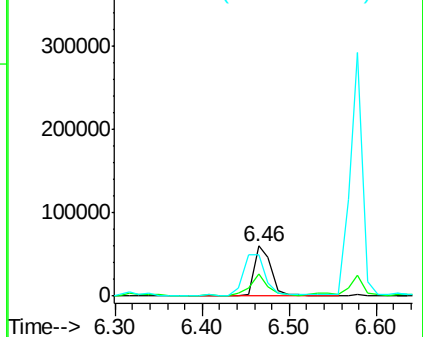
66 84.0 44.0 84.0#

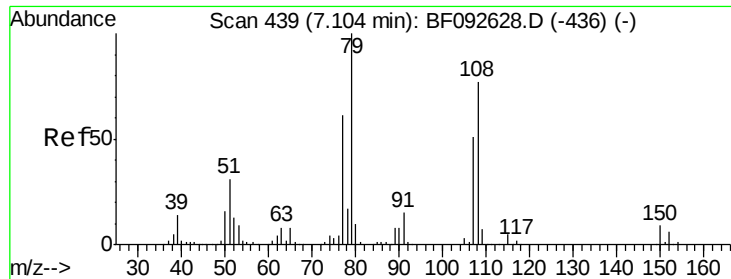


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 3.01 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

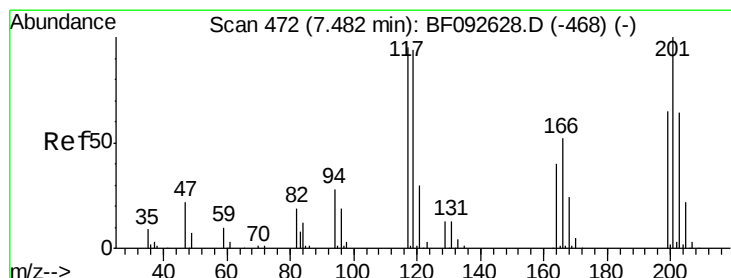
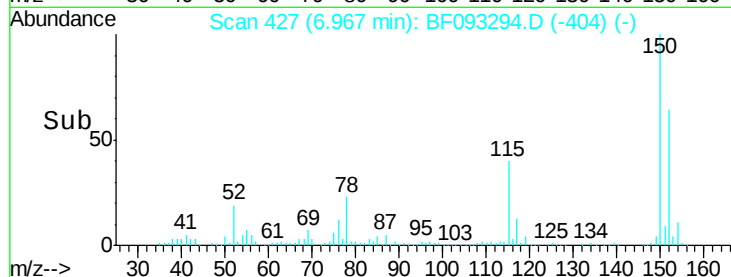
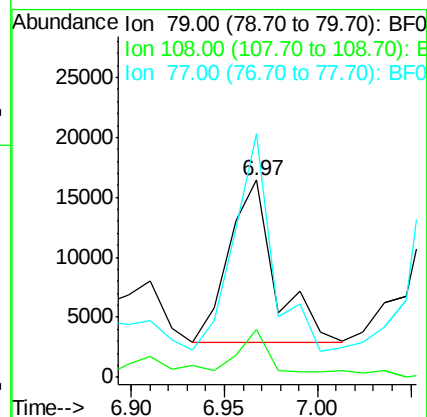
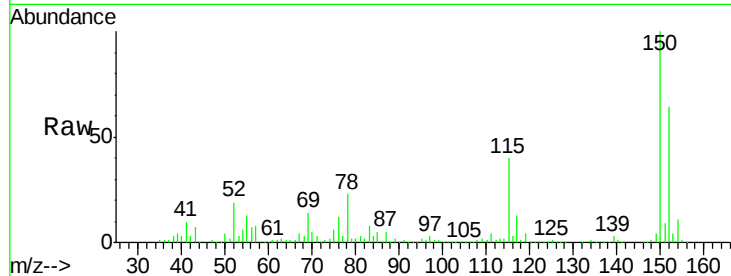
Tgt Ion: 79 Resp: 23545

Ion Ratio Lower Upper

79 100

108 24.0 61.4 92.0#

77 123.6 50.9 76.3#



#18

Hexachloroethane

Concen: 18.95 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

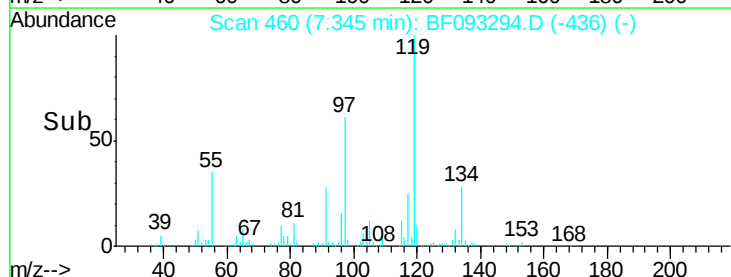
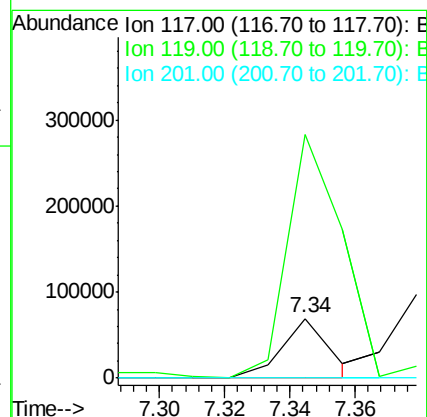
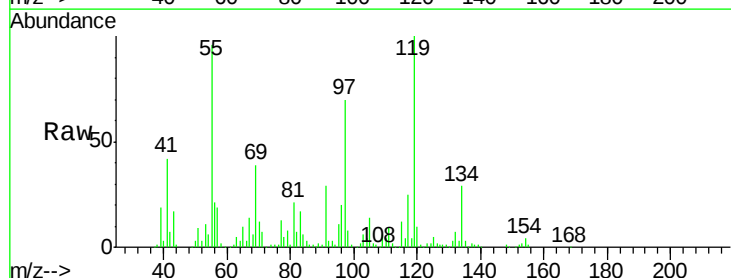
Tgt Ion: 117 Resp: 69571

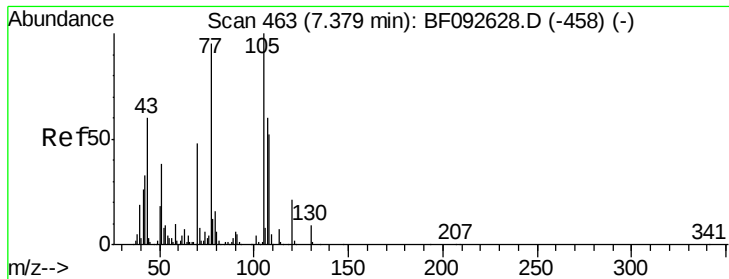
Ion Ratio Lower Upper

117 100

119 407.7 78.1 117.1#

201 0.0 78.6 117.8#

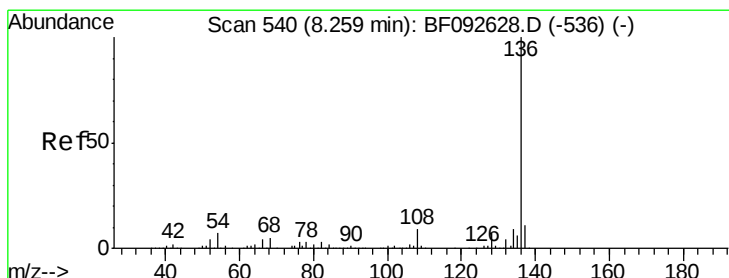
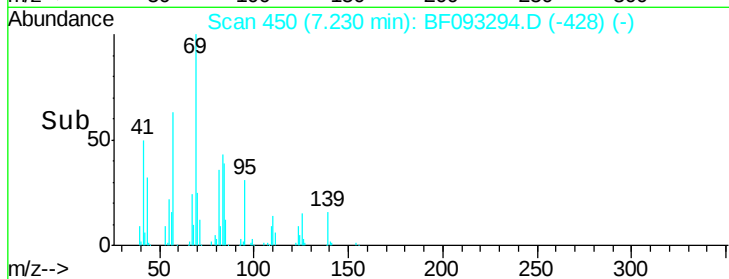
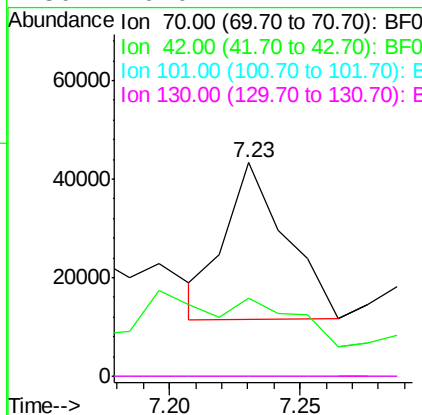
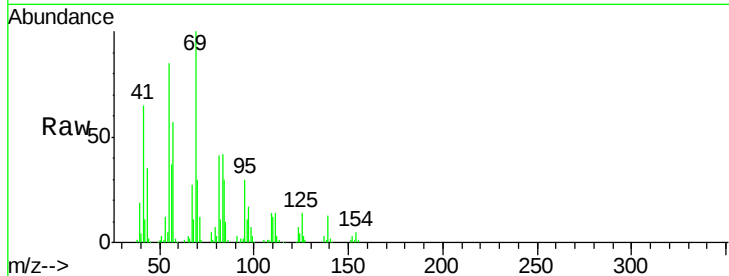




#19
n-Nitroso-di-n-propylamine
Concen: 7.64 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.05 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

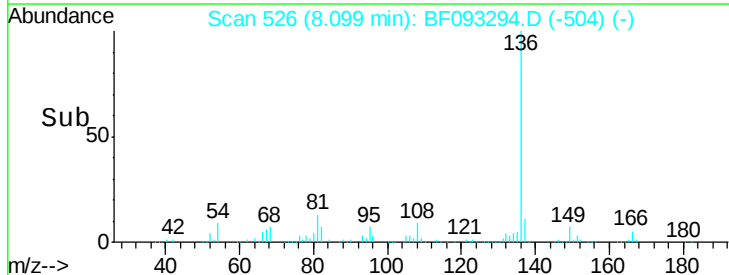
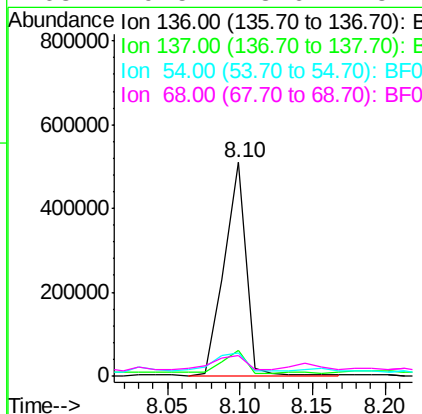
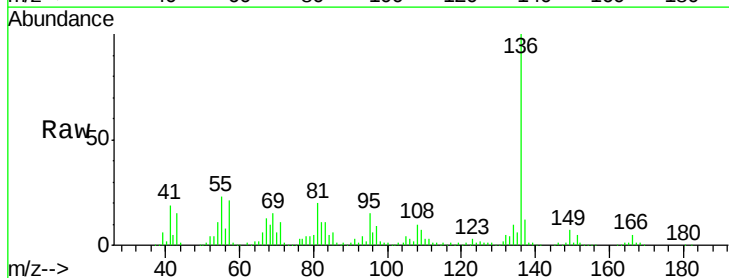
Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)

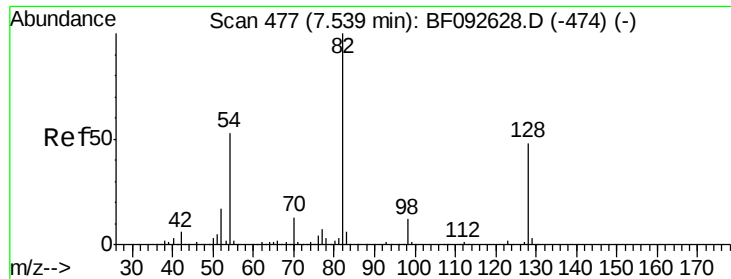
Tgt Ion: 70 Resp: 51491
Ion Ratio Lower Upper
70 100
42 36.5 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Tgt Ion: 136 Resp: 524446
Ion Ratio Lower Upper
136 100
137 11.9 8.4 12.6
54 10.6 4.5 6.7#
68 9.5 3.6 5.4#

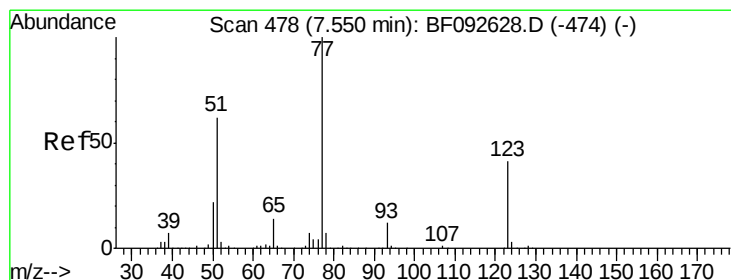
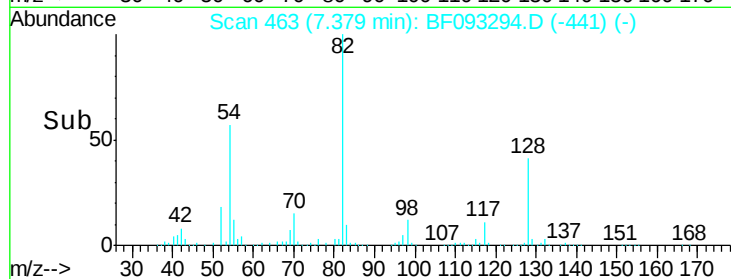
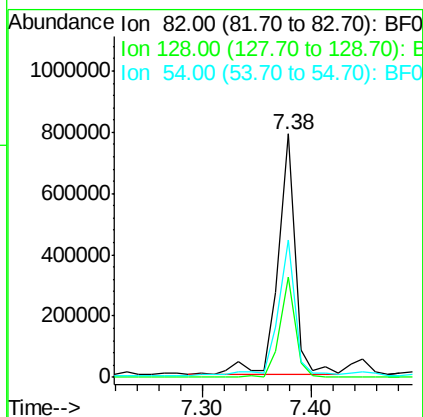
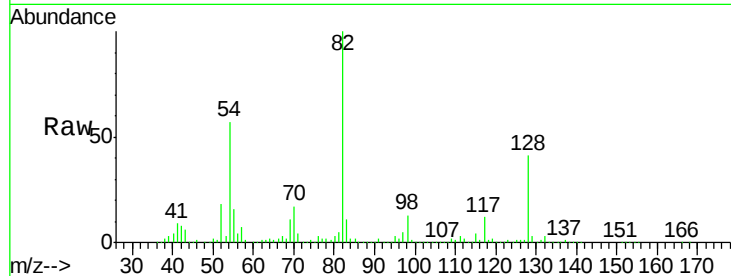




#23
 Nitrobenzene-d5
 Concen: 91.33 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

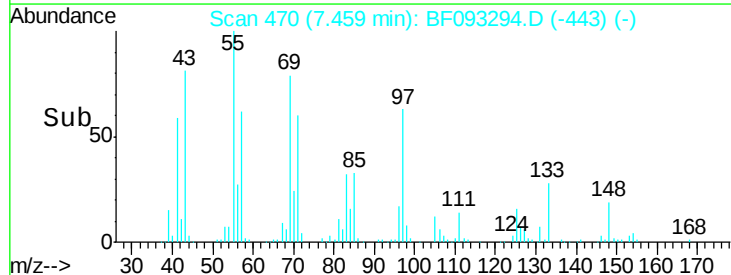
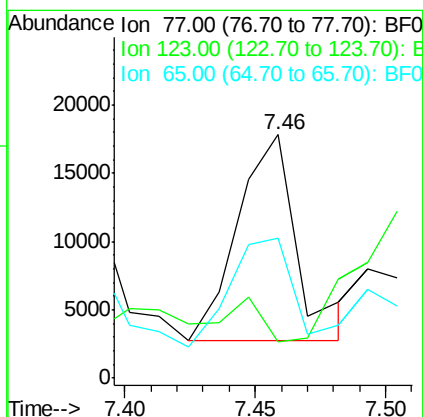
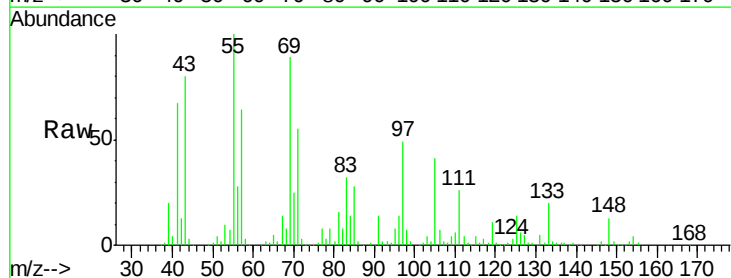
Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)

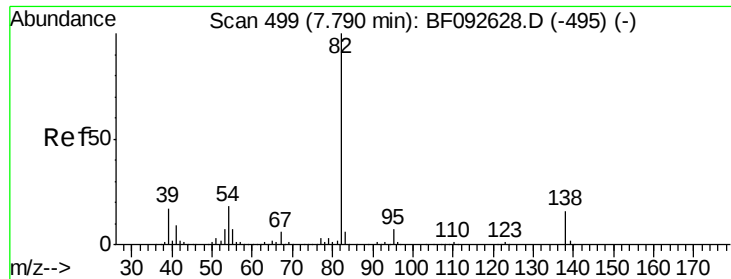
Tgt Ion: 82 Resp: 860131
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 52.0
 54 56.7 39.5 59.3



#24
 Nitrobenzene
 Concen: 2.47 ng
 RT: 7.46 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

Tgt Ion: 77 Resp: 23899
 Ion Ratio Lower Upper
 77 100
 123 14.8 33.0 49.4#
 65 57.4 11.2 16.8#

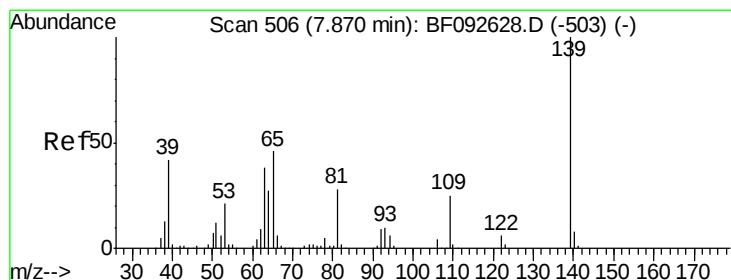
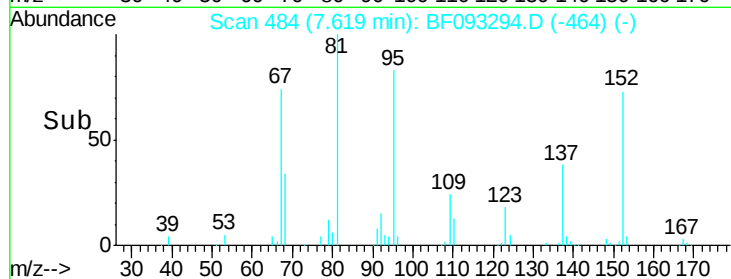
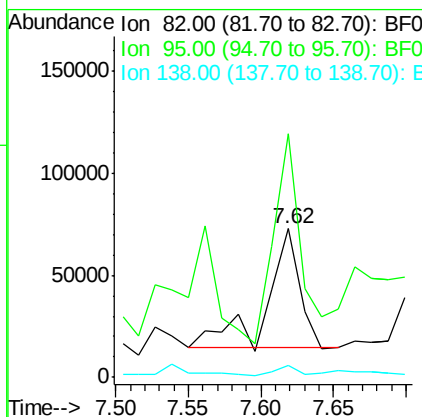
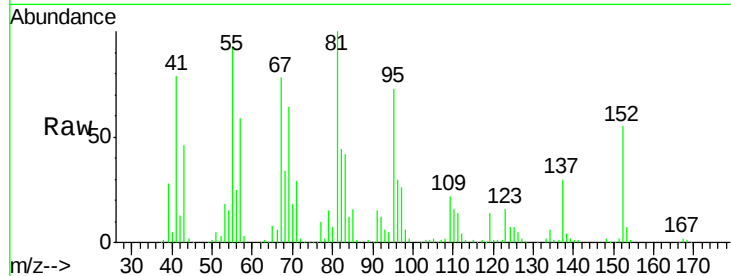




#25
Isophorone
Concen: 5.30 ng
RT: 7.62 min Scan# 484
Delta R.T. -0.07 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

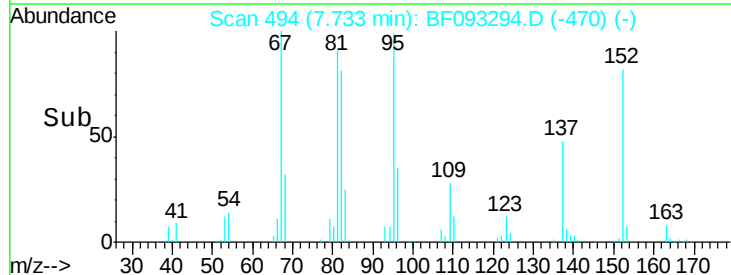
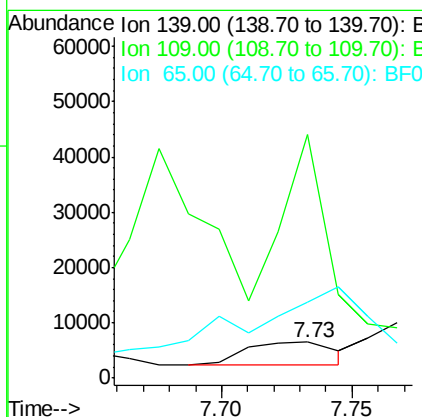
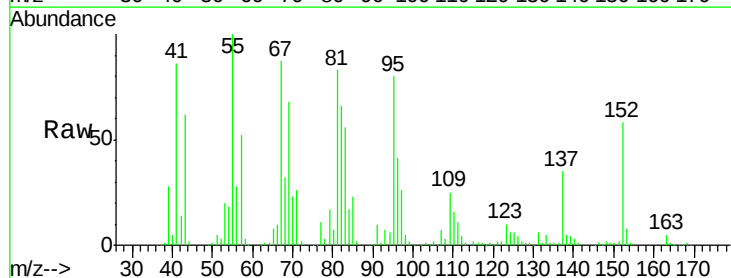
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SSP-8(3.5-5.5)

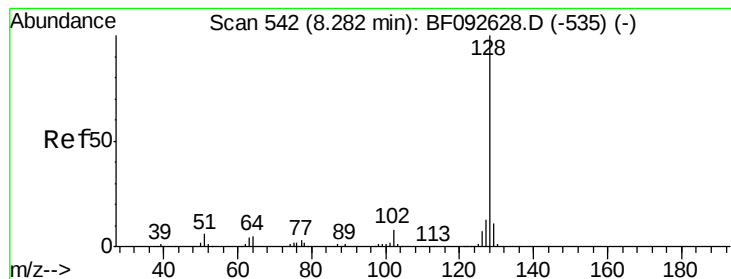
Tgt Ion: 82 Resp: 93085
Ion Ratio Lower Upper
82 100
95 163.6 5.6 8.4#
138 8.4 14.6 22.0#



#26
2-Nitrophenol
Concen: 2.20 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Tgt Ion: 139 Resp: 10100
Ion Ratio Lower Upper
139 100
109 679.3 23.3 34.9#
65 213.6 42.7 64.1#





#31

Naphthalene

Concen: 4.91 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

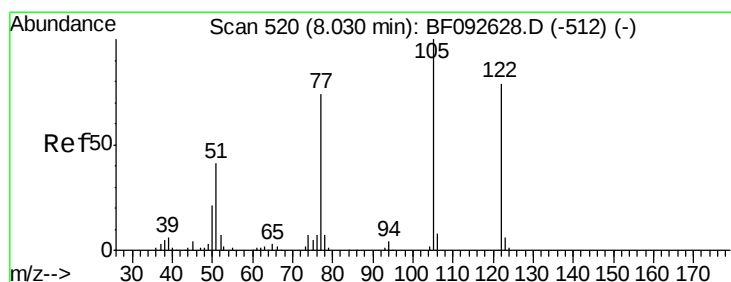
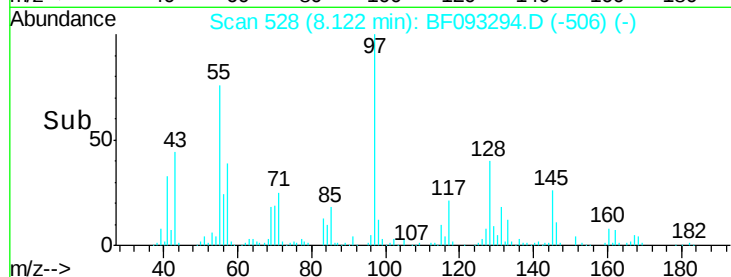
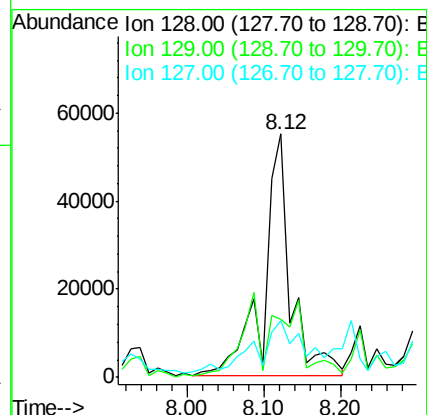
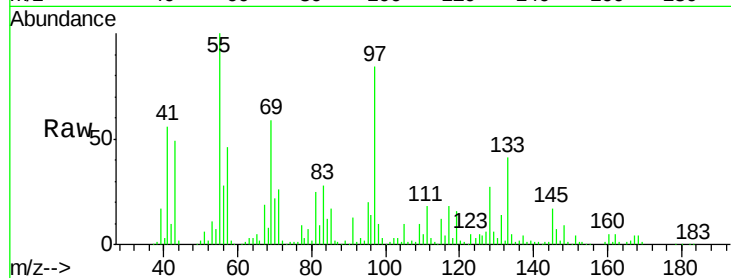
Tgt Ion:128 Resp: 130535

Ion Ratio Lower Upper

128 100

129 23.9 9.5 14.3#

127 23.1 10.8 16.2#



#32

Benzoic acid

Concen: 9.25 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

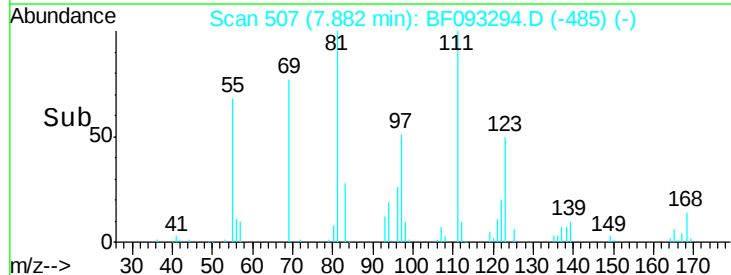
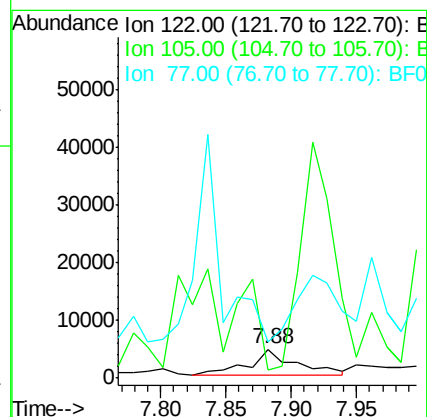
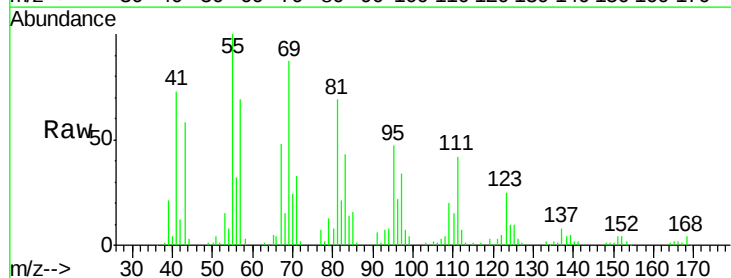
Tgt Ion:122 Resp: 11198

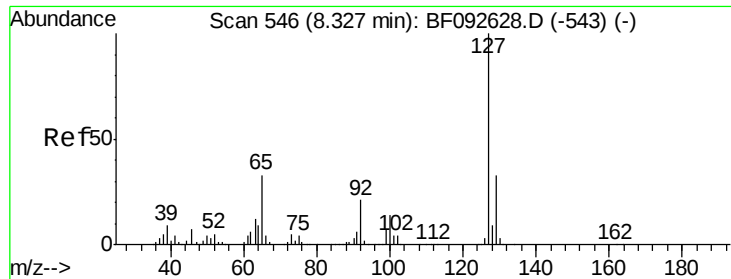
Ion Ratio Lower Upper

122 100

105 29.7 107.2 147.2#

77 125.4 74.5 114.5#

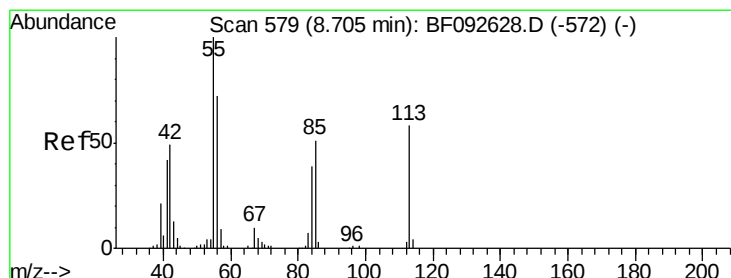
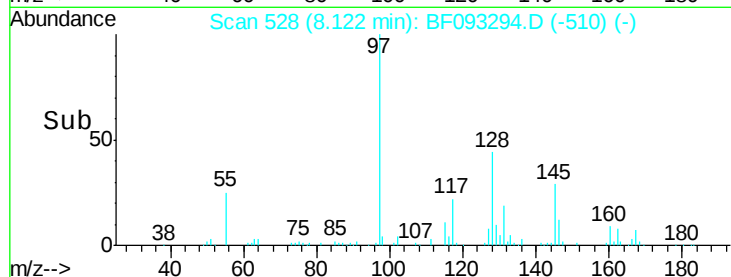
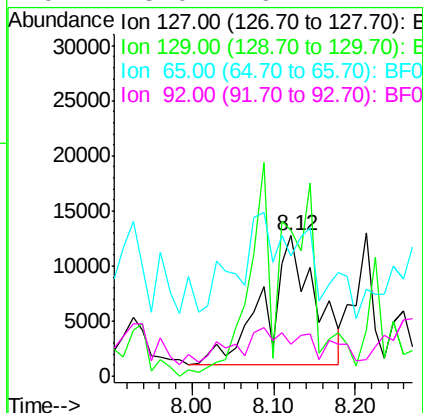
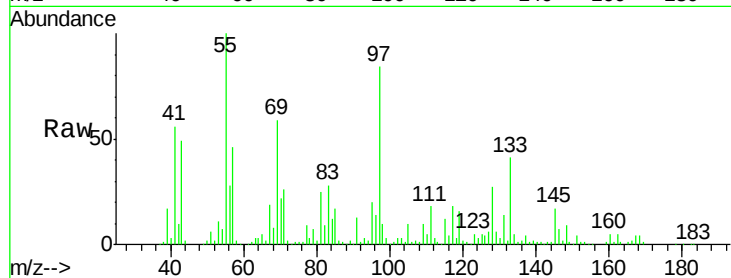




#33
4-Chloroaniline
Concen: 4.73 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.09 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

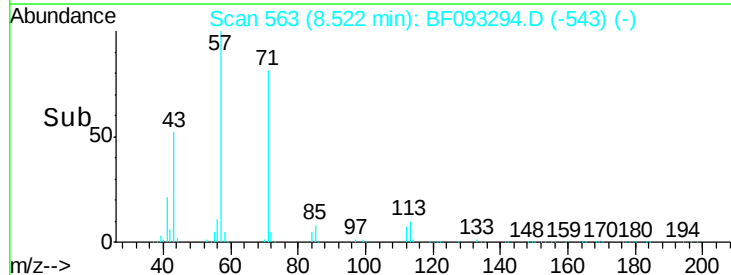
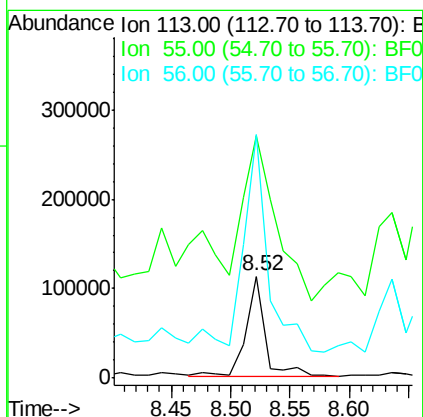
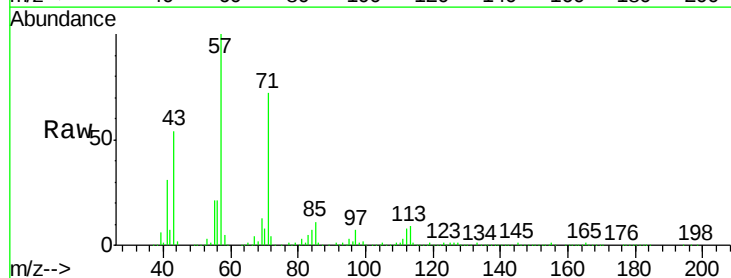
Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)

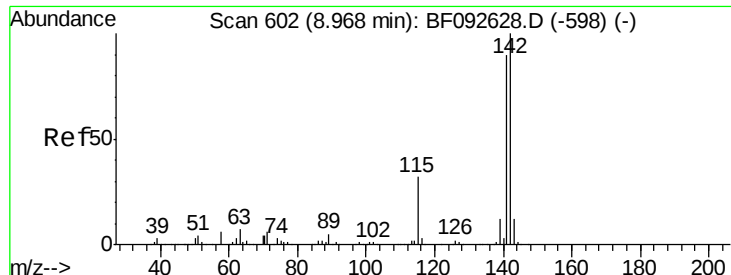
Tgt Ion:127 Resp: 49298
Ion Ratio Lower Upper
127 100
129 103.4 26.3 39.5#
65 85.1 25.8 38.8#
92 23.0 16.1 24.1



#35
Caprolactam
Concen: 53.00 ng
RT: 8.52 min Scan# 563
Delta R.T. -0.07 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Tgt Ion:113 Resp: 125513
Ion Ratio Lower Upper
113 100
55 239.3 119.2 159.2#
56 239.8 83.8 123.8#

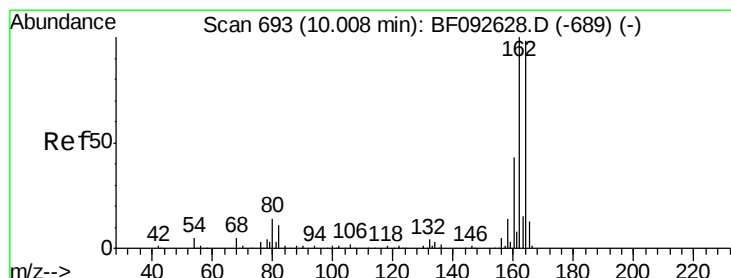
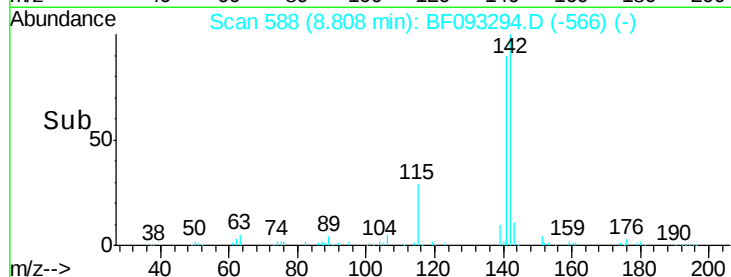
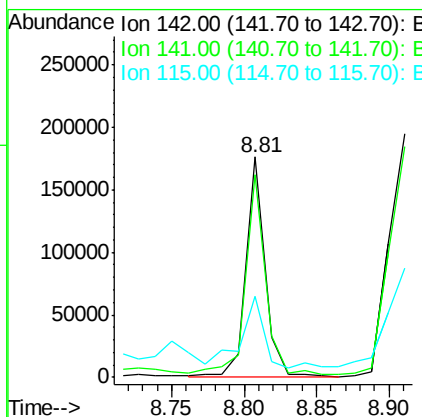
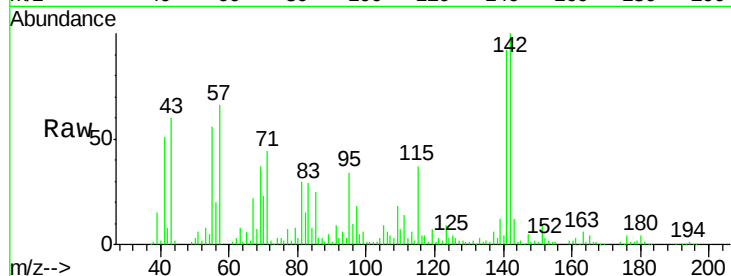




#37
2-Methylnaphthalene
Concen: 9.34 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.05 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

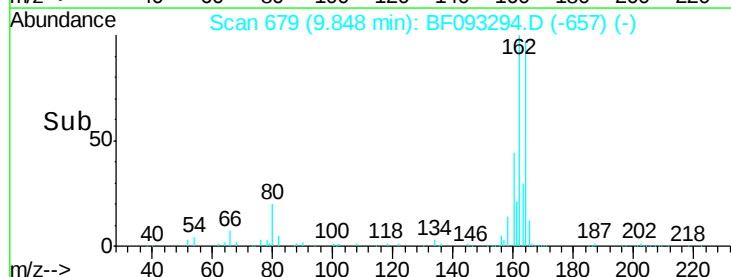
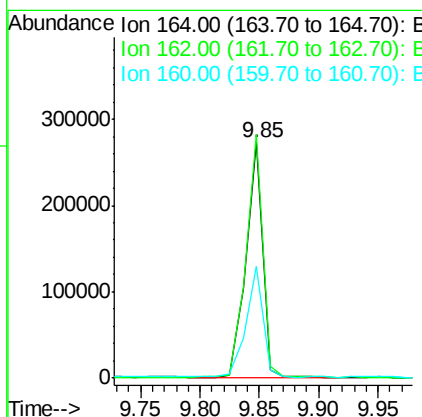
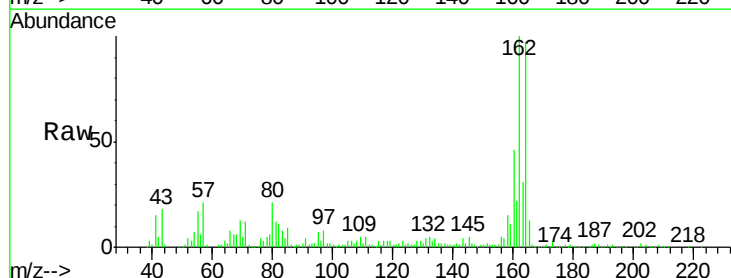
Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)

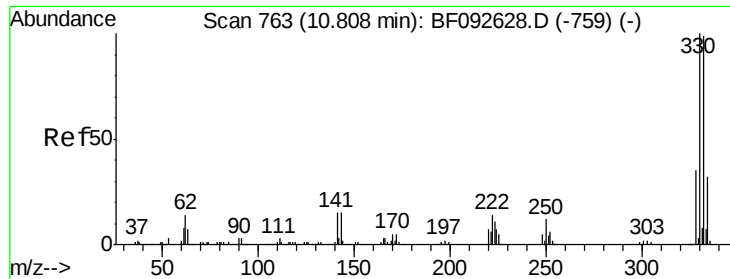
Tgt Ion:142 Resp: 159474
Ion Ratio Lower Upper
142 100
141 91.6 71.0 106.6
115 36.9 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Tgt Ion:164 Resp: 266692
Ion Ratio Lower Upper
164 100
162 103.3 80.2 120.2
160 47.5 36.9 55.3

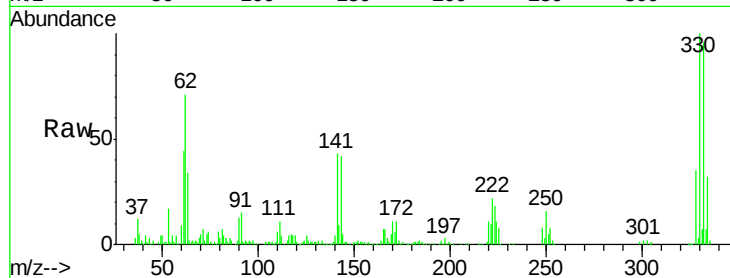




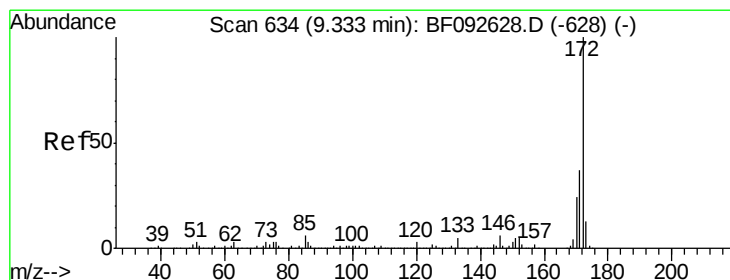
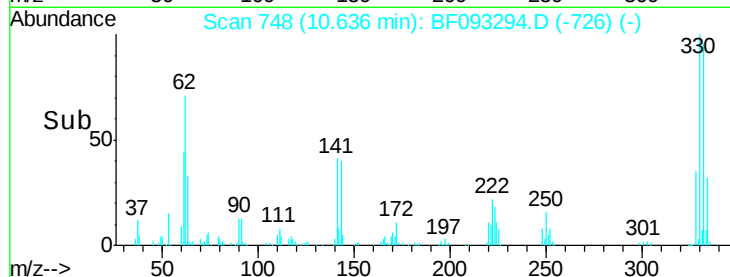
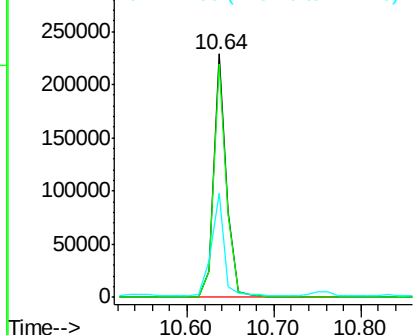
#41
 2,4,6-Tribromophenol
 Concen: 122.88 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

Instrument :
 BNA_F
 ClientSampleId :
 SSP-8(3.5-5.5)

Tgt Ion:330 Resp: 237014
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 41.6 34.1 51.1

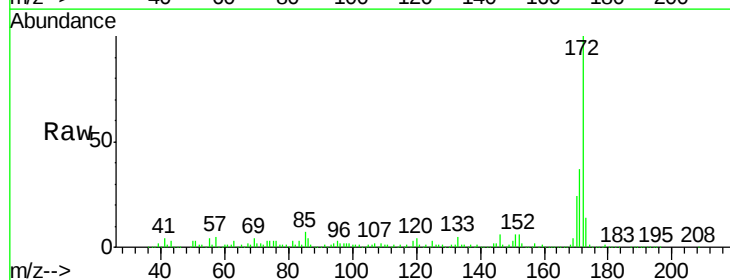


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

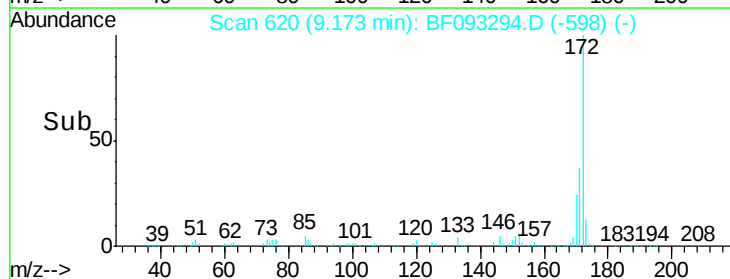
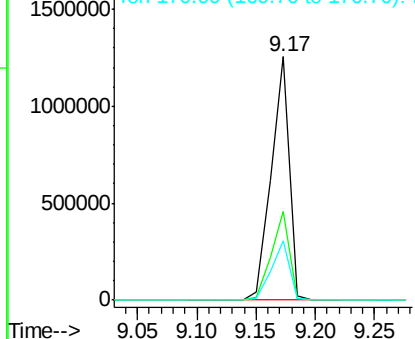


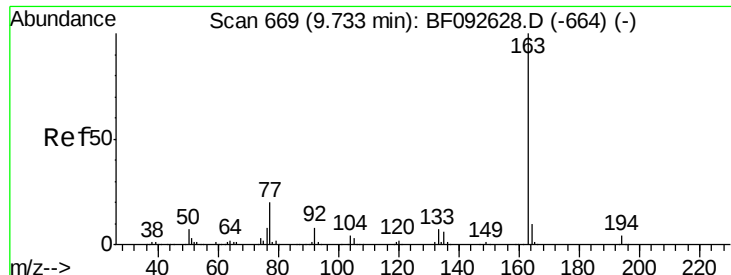
#44
 2-Fluorobiphenyl
 Concen: 90.79 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093294.D
 Acq: 1 Mar 2017 17:25

Tgt Ion:172 Resp: 1336536
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.3 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

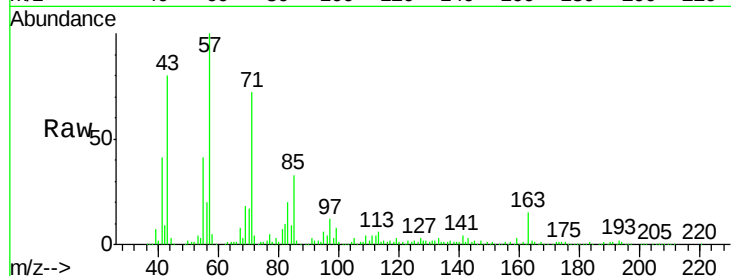




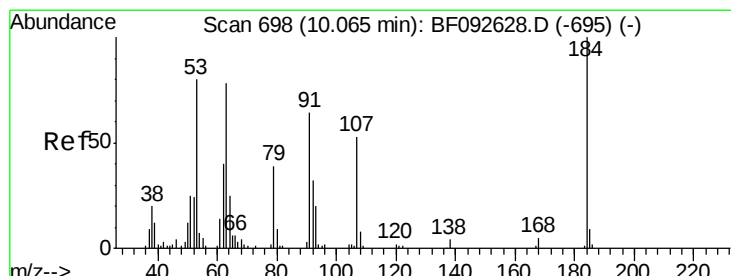
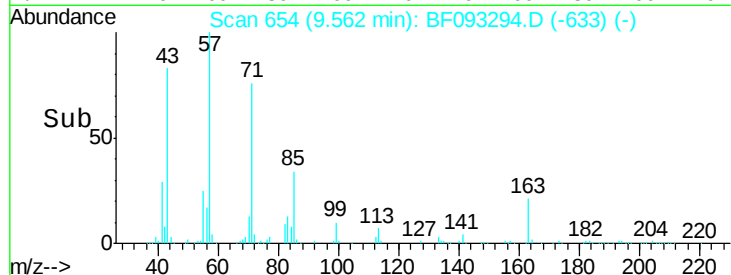
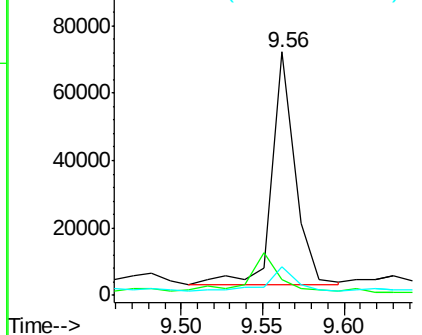
#49
Dimethylphthalate
Concen: 3.84 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)

Tgt Ion:163 Resp: 68898
Ion Ratio Lower Upper
163 100
194 6.4 3.0 4.4#
164 11.9 8.0 12.0

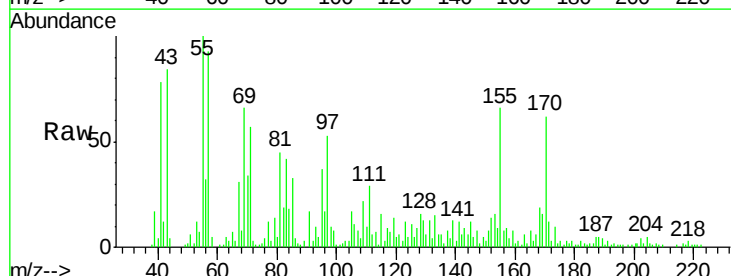


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

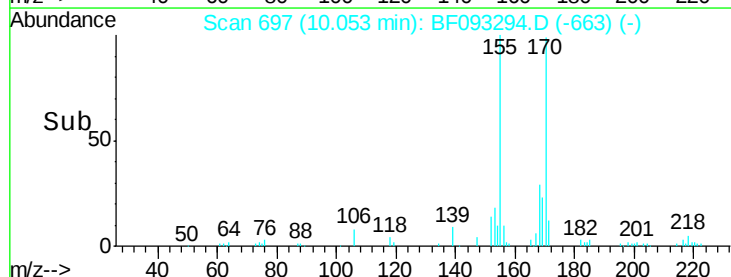
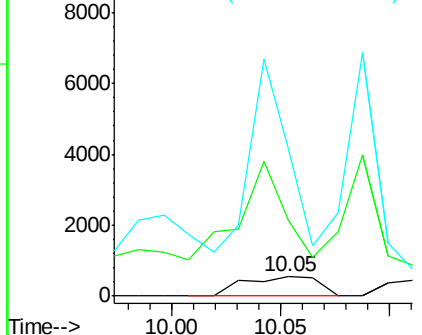


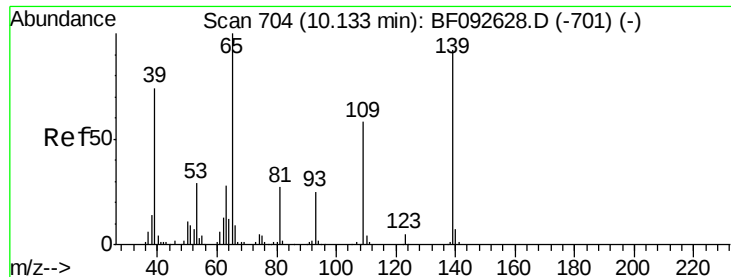
#53
2,4-Dinitrophenol
Concen: 5.35 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.09 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Tgt Ion:184 Resp: 1300
Ion Ratio Lower Upper
184 100
63 393.6 28.4 42.6#
154 761.4 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





#55

4-Nitrophenol

Concen: 2.04 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.07 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

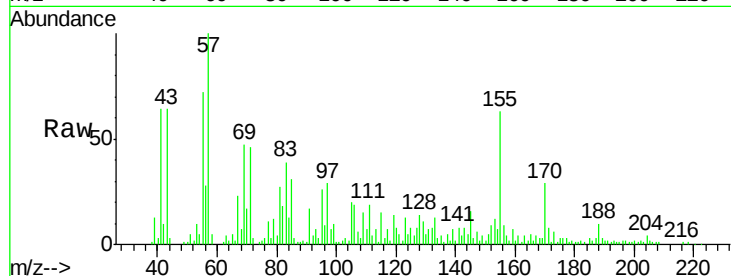
Tgt Ion:139 Resp: 6537

Ion Ratio Lower Upper

139 100

109 213.1 52.2 92.2#

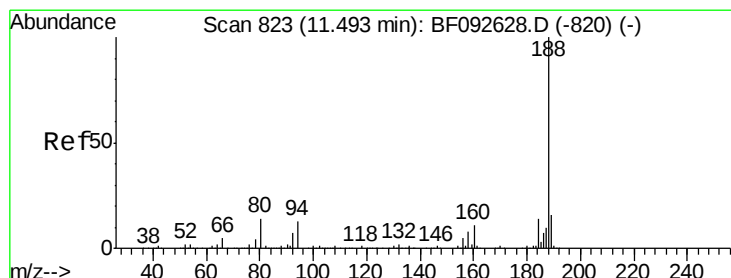
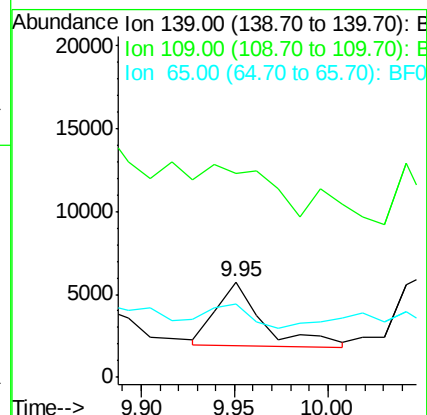
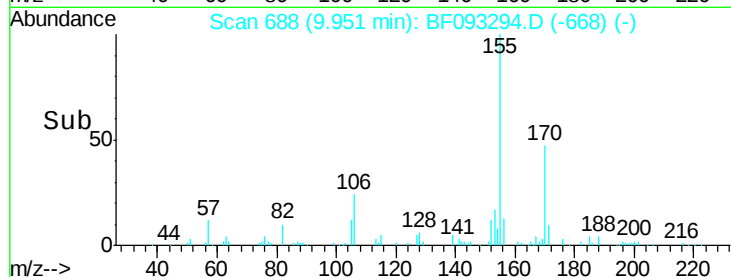
65 76.9 85.8 125.8#



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: BF093294.D

Acq: 1 Mar 2017 17:25

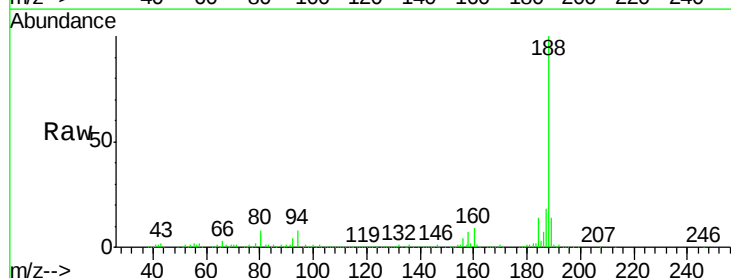
Tgt Ion:188 Resp: 507973

Ion Ratio Lower Upper

188 100

94 7.8 10.0 15.0#

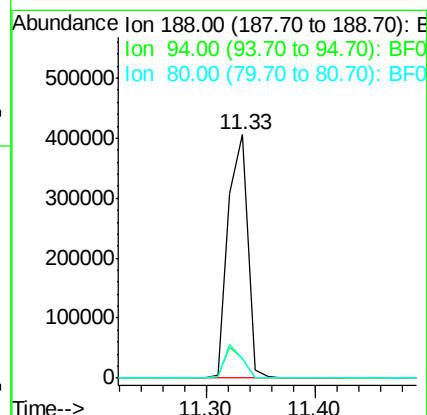
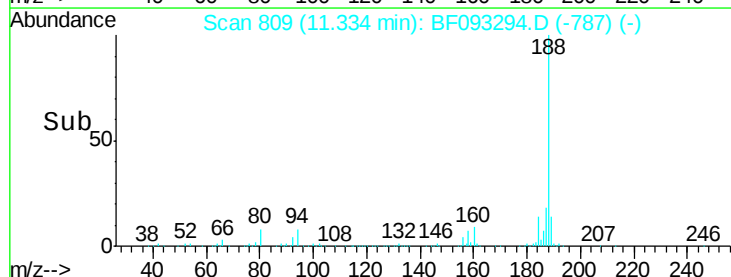
80 8.0 11.2 16.8#

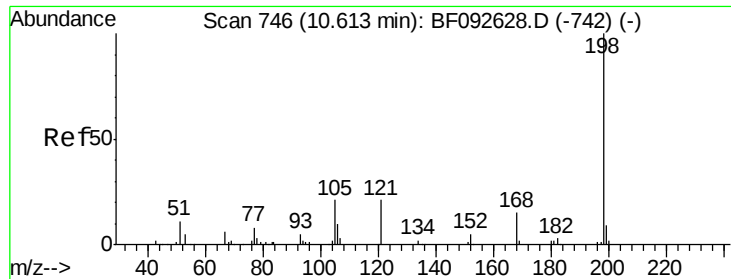


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.75 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.05 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

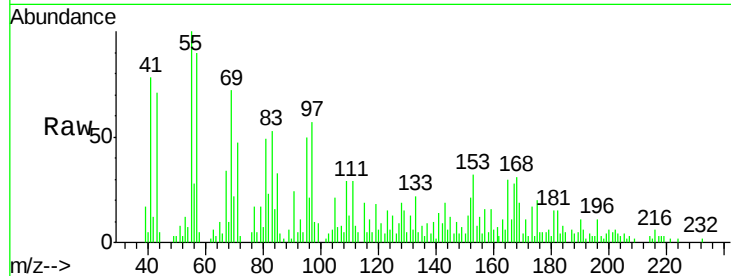
Tgt Ion:198 Resp: 276

Ion Ratio Lower Upper

198 100

51 378.6 6.7 46.7#

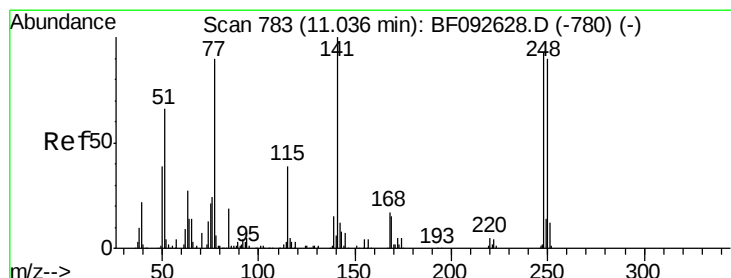
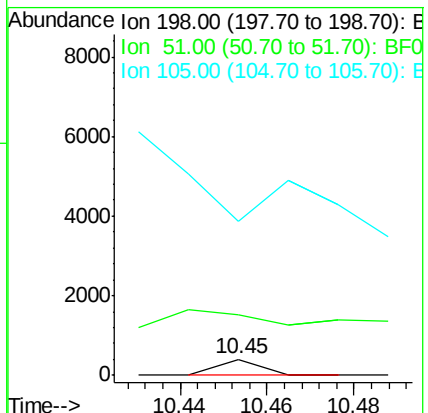
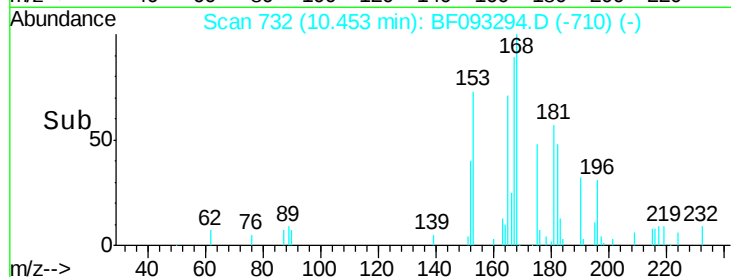
105 964.7 16.6 56.6#



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



#66

4-Bromophenyl-phenylether

Concen: 3.30 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

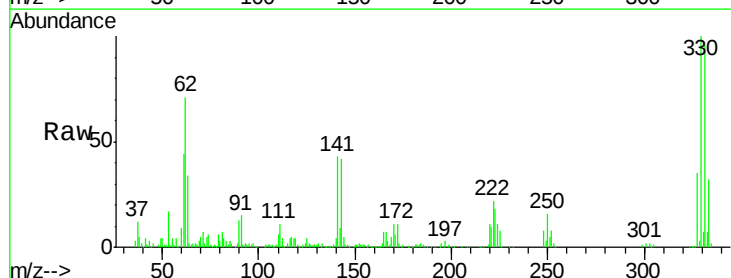
Tgt Ion:248 Resp: 17526

Ion Ratio Lower Upper

248 100

250 194.5 76.9 115.3#

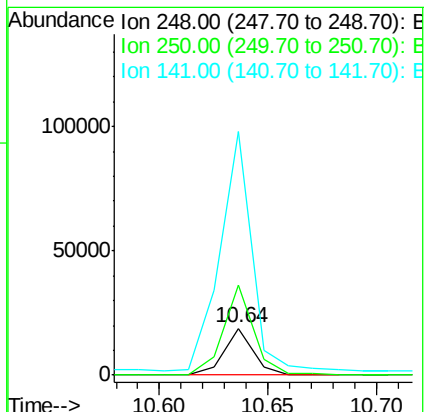
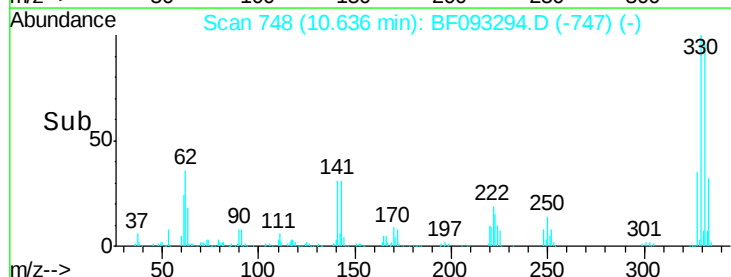
141 522.5 68.2 102.4#

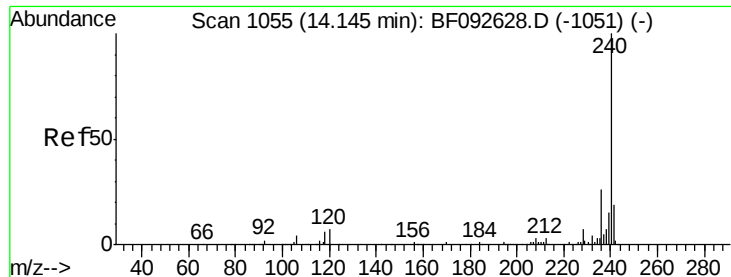


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

Instrument :

BNA_F

ClientSampleId :

SSP-8(3.5-5.5)

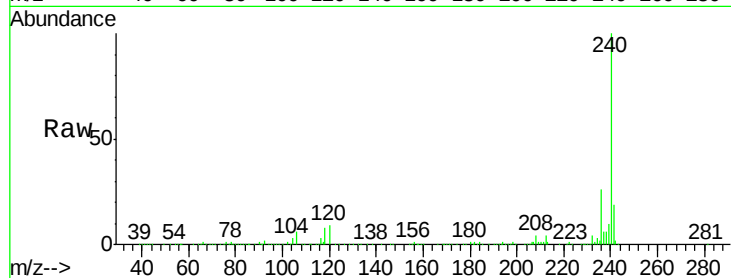
Tgt Ion:240 Resp: 441659

Ion Ratio Lower Upper

240 100

120 9.4 12.9 19.3#

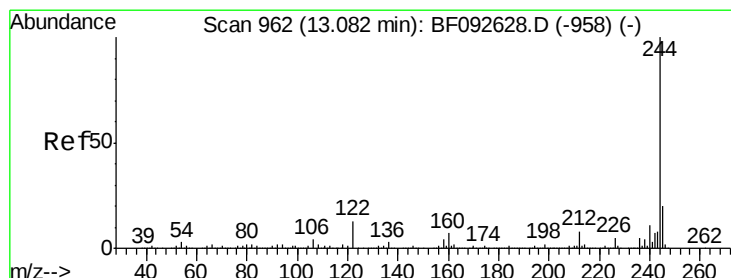
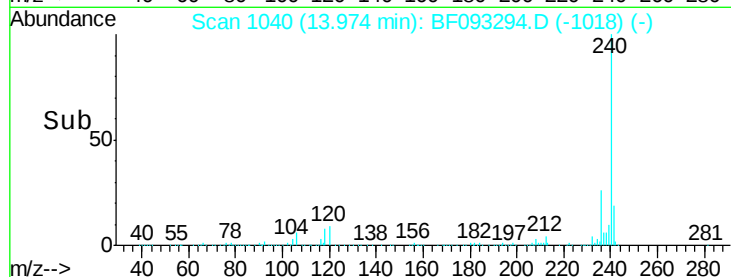
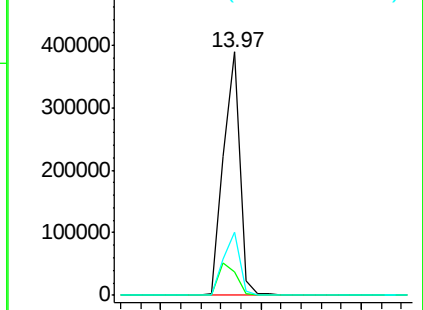
236 25.9 20.9 31.3



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: 66.75 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093294.D

Acq: 1 Mar 2017 17:25

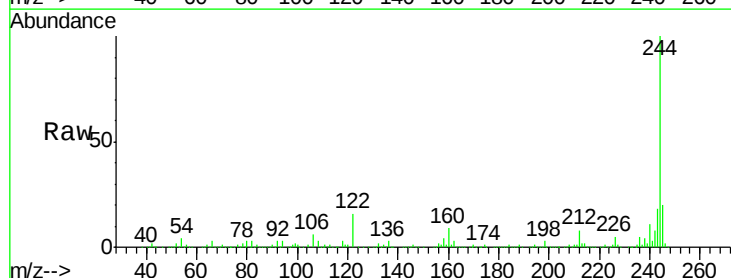
Tgt Ion:244 Resp: 1254702

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

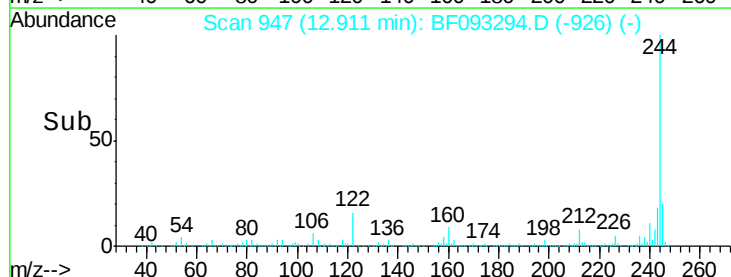
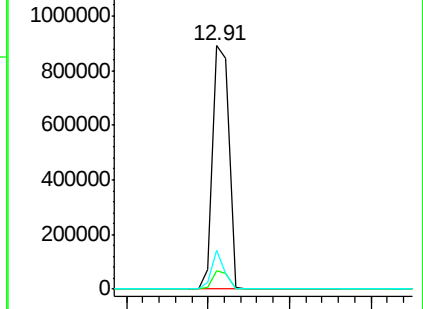
122 15.8 11.4 17.2

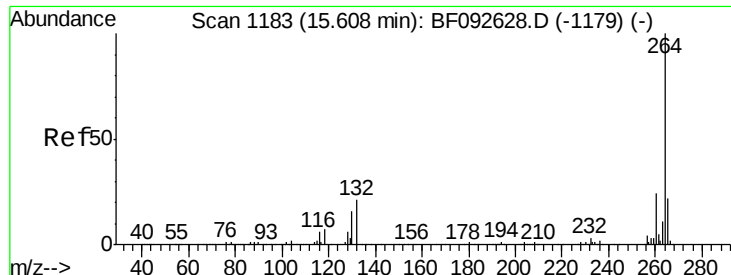


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

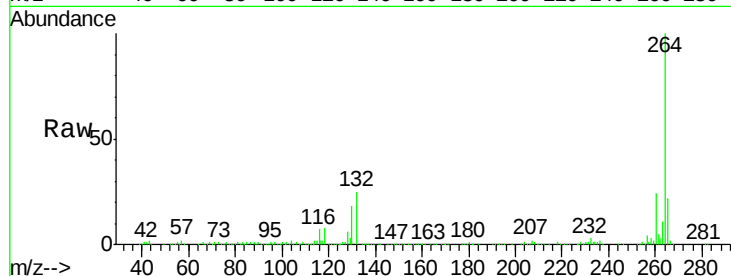




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093294.D
Acq: 1 Mar 2017 17:25

Instrument :
BNA_F
ClientSampleId :
SSP-8(3.5-5.5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	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

