

Data Path : Z:\HPCHEM1\BNA_F\Data\BF032317\
 Data File : BF093891.D
 Acq On : 23 Mar 2017 21:21
 Operator : SJ/MA
 Sample : I2362-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0667

Quant Time: Mar 24 12:49:12 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

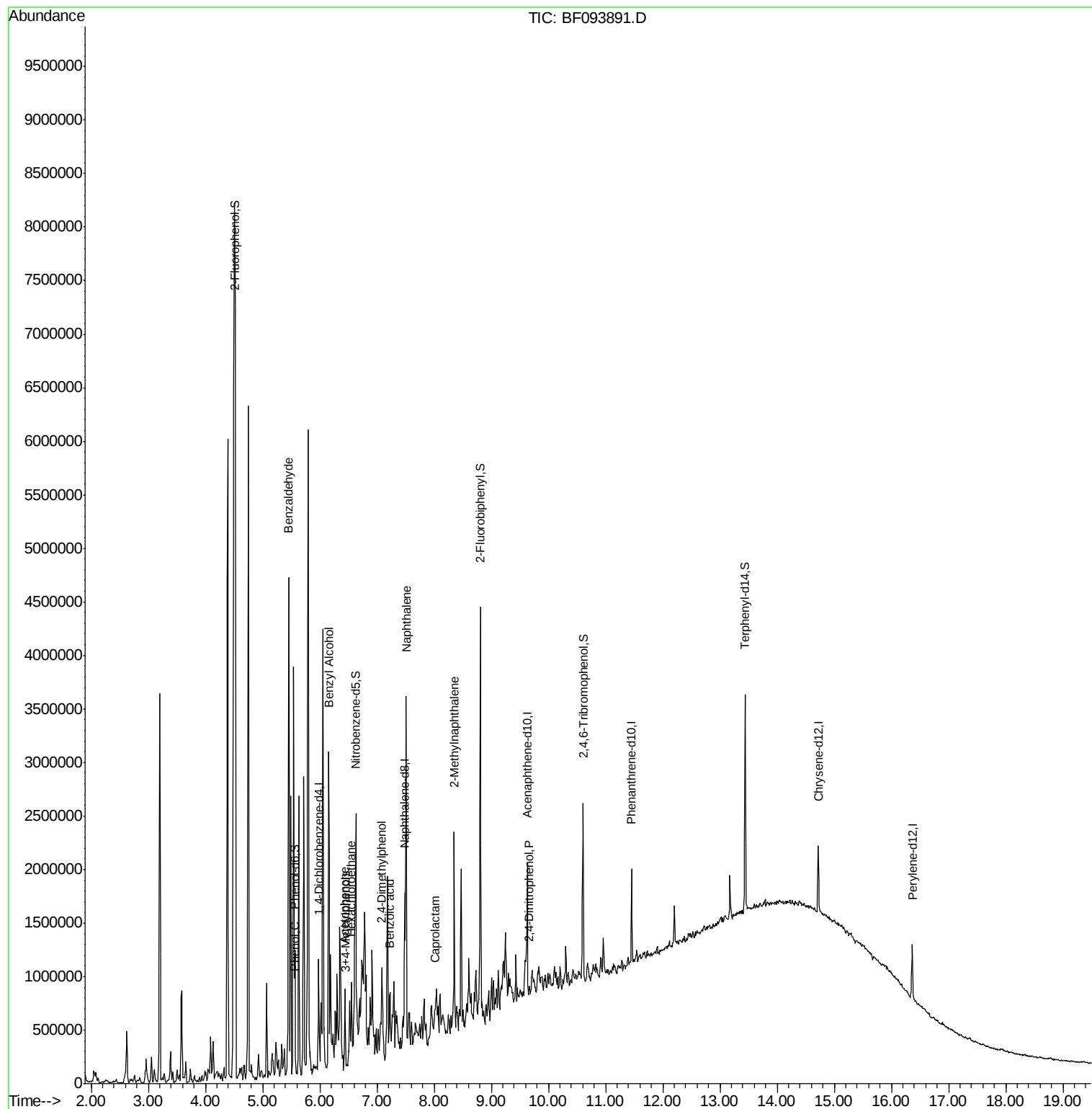
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	162054	20.00	ng	-0.01
21) Naphthalene-d8	7.48	136	628112	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	258572	20.00	ng	-0.01
63) Phenanthrene-d10	11.46	188	375022	20.00	ng	0.00
75) Chrysene-d12	14.72	240	284052	20.00	ng	0.00
86) Perylene-d12	16.36	264	205882	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	247519	25.80	ng	0.00
7) Phenol-d6	5.56	99	403326	33.98	ng	0.00
23) Nitrobenzene-d5	6.63	82	859044	78.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	252694	123.67	ng	0.00
44) 2-Fluorobiphenyl	8.81	172	1496681	88.29	ng	-0.01
78) Terphenyl-d14	13.44	244	882830	69.67	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.46	77	239961	29.94	ng	# 1
10) Phenol	5.57	94	36486	2.70	ng	92
15) Benzyl Alcohol	6.16	79	17385	2.00	ng	# 44
18) Hexachloroethane	6.55	117	21847	5.19	ng	# 1
20) 3+4-Methylphenols	6.45	107	29250	2.67	ng	# 67
22) Acetophenone	6.44	105	230774	16.49	ng	# 52
27) 2,4-Dimethylphenol	7.09	122	133269	14.94	ng	98
31) Naphthalene	7.51	128	1662530	55.05	ng	99
32) Benzoic acid	7.23	122	27081	4.56	ng	90
35) Caprolactam	8.02	113	10617	3.99	ng	# 1
37) 2-Methylnaphthalene	8.35	142	558540	27.74	ng	99
53) 2,4-Dinitrophenol	9.66	184	1094	5.12	ng	# 1

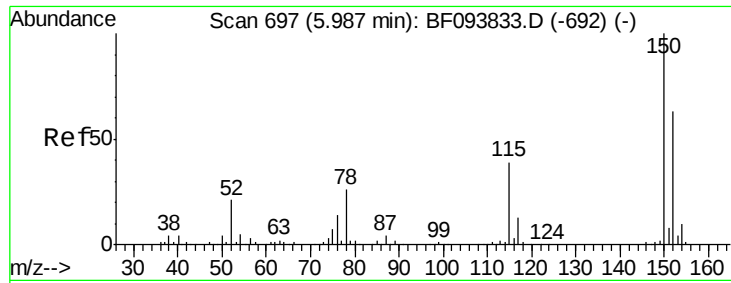
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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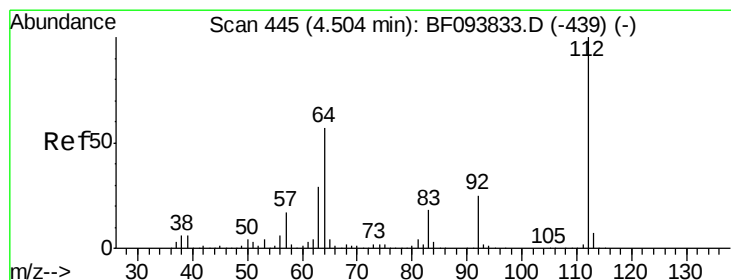
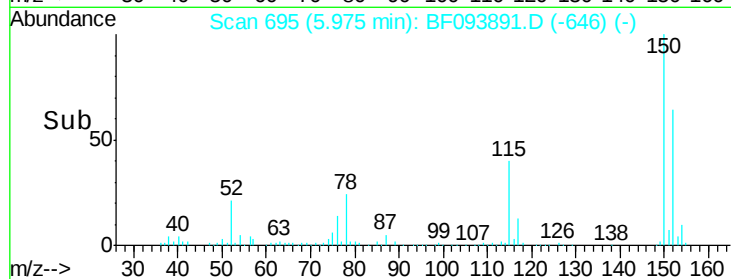
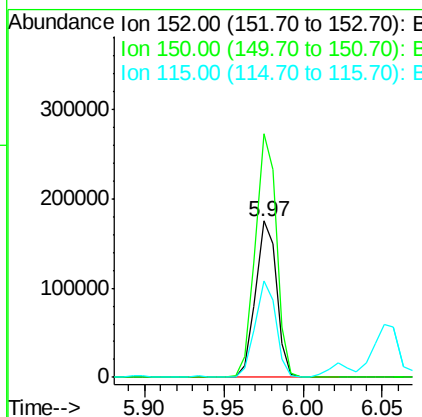
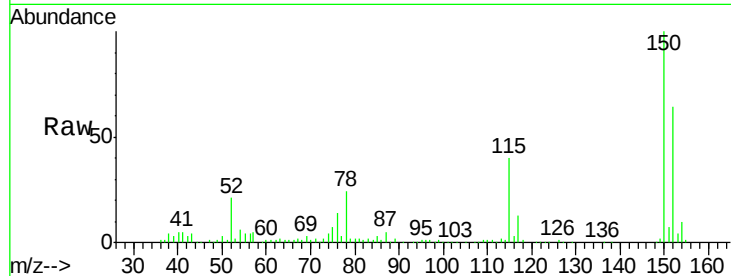




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.97 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

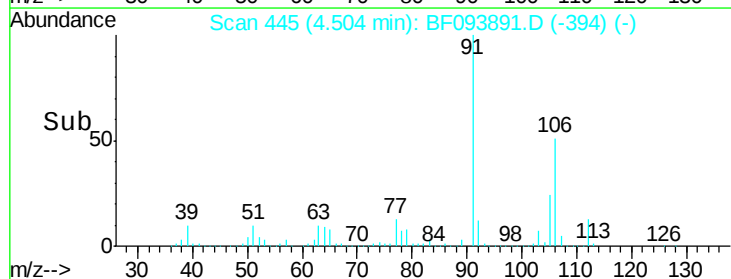
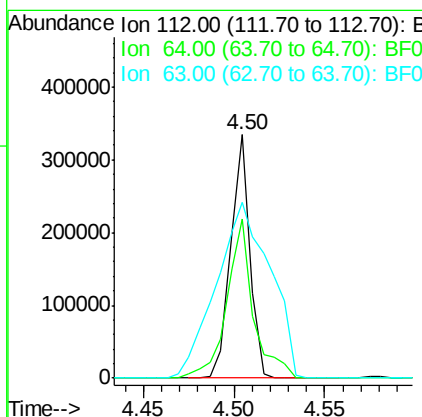
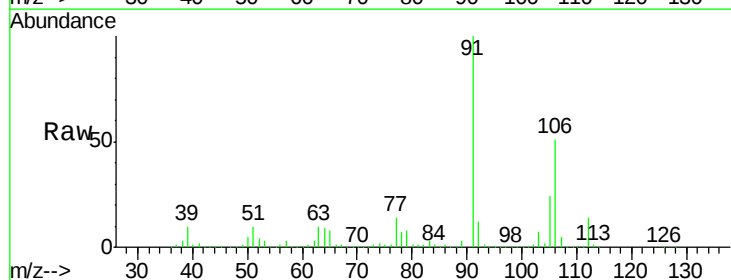
Instrument :
 BNA_F
 ClientSampleId :
 S8-0667

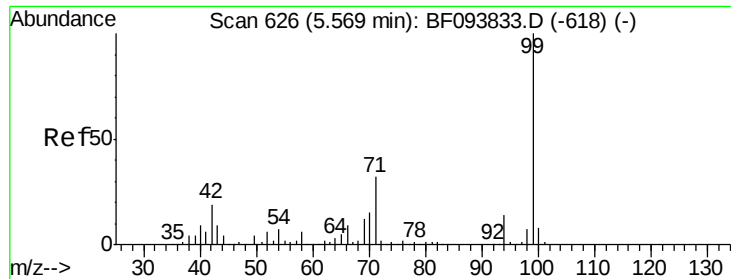
Tgt Ion:152 Resp: 162054
 Ion Ratio Lower Upper
 152 100
 150 156.0 126.2 189.2
 115 62.0 52.2 78.2



#5
 2-Fluorophenol
 Concen: 25.80 ng
 RT: 4.50 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Tgt Ion:112 Resp: 247519
 Ion Ratio Lower Upper
 112 100
 64 65.1 46.0 69.0
 63 72.4 23.4 35.0#





#7

Phenol-d6

Concen: 33.98 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

Instrument :

BNA_F

ClientSampled :

S8-0667

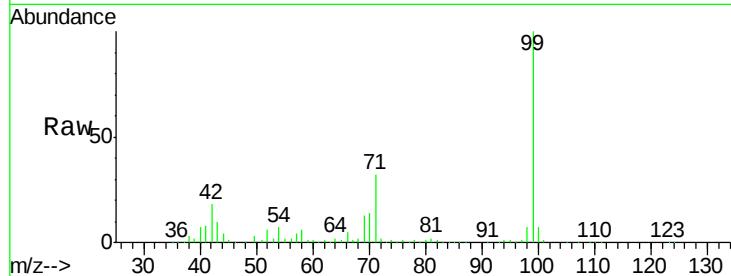
Tgt Ion: 99 Resp: 403326

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

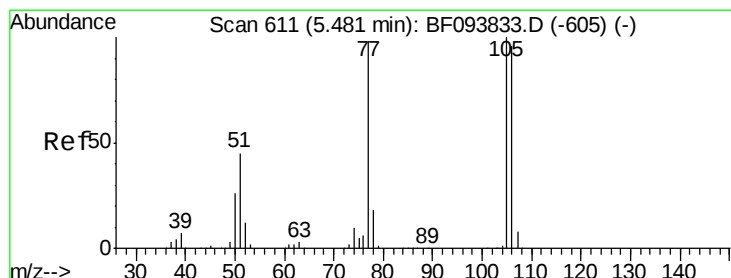
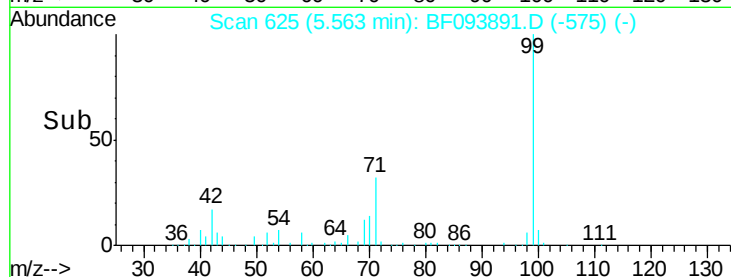
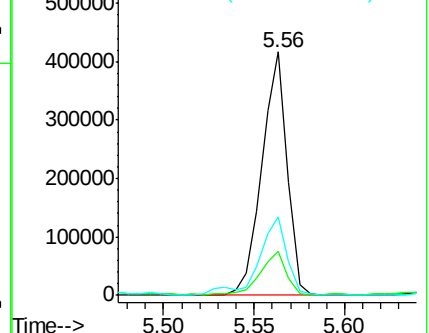
71 32.4 24.5 36.7



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



#9

Benzaldehyde

Concen: 29.94 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.02 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

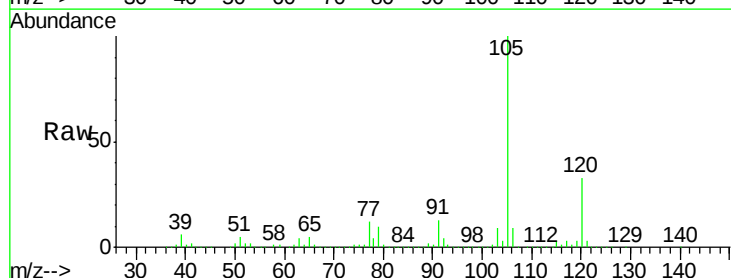
Tgt Ion: 77 Resp: 239961

Ion Ratio Lower Upper

77 100

105 812.5 83.8 123.8#

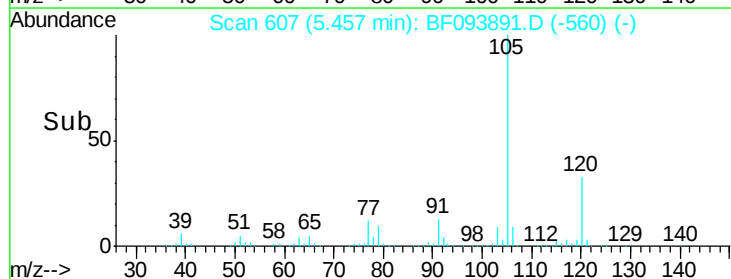
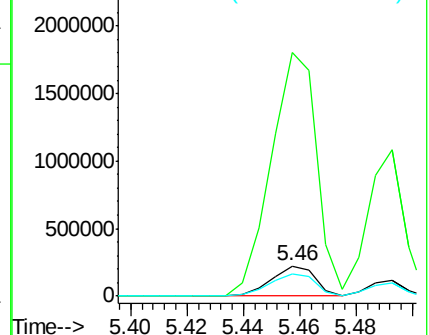
106 75.1 79.1 119.1#

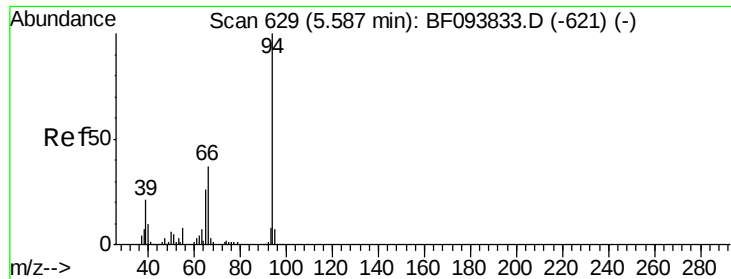


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.70 ng

RT: 5.57 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

Instrument :

BNA_F

ClientSampleId :

S8-0667

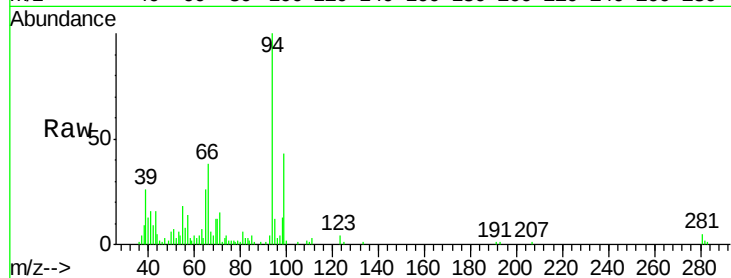
Tgt Ion: 94 Resp: 36486

Ion Ratio Lower Upper

94 100

65 25.5 9.9 49.9

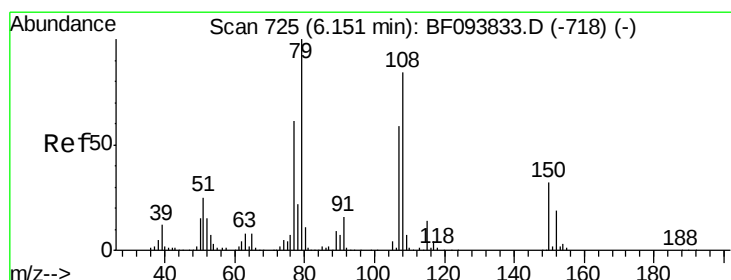
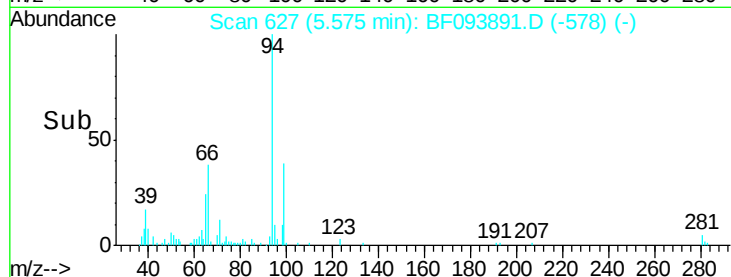
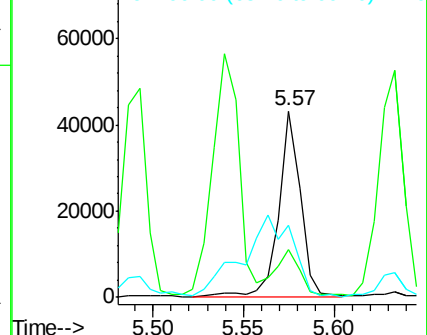
66 38.4 23.1 63.1



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: 2.00 ng

RT: 6.16 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

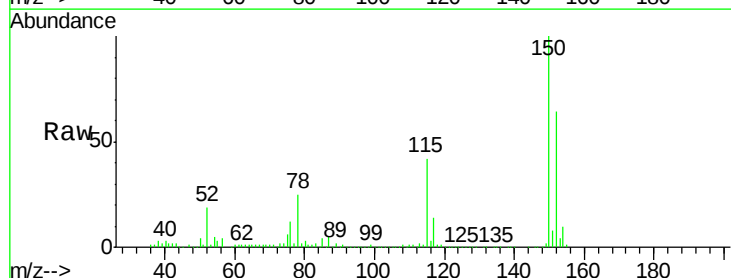
Tgt Ion: 79 Resp: 17385

Ion Ratio Lower Upper

79 100

108 29.7 63.4 95.0#

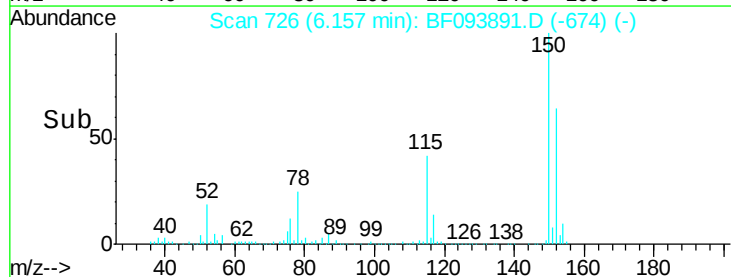
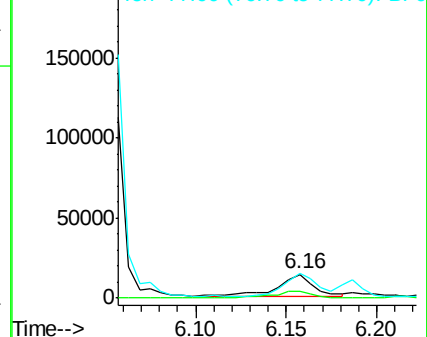
77 104.1 49.2 73.8#

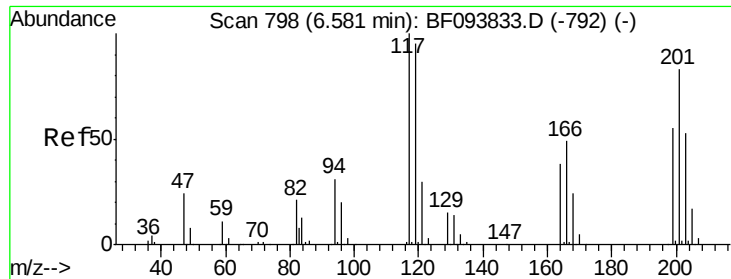


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

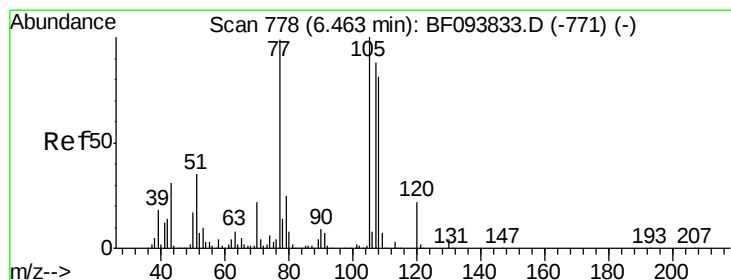
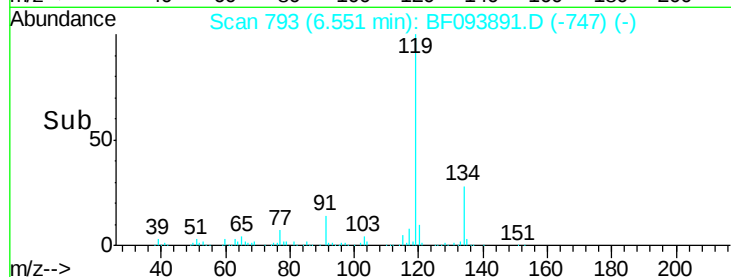
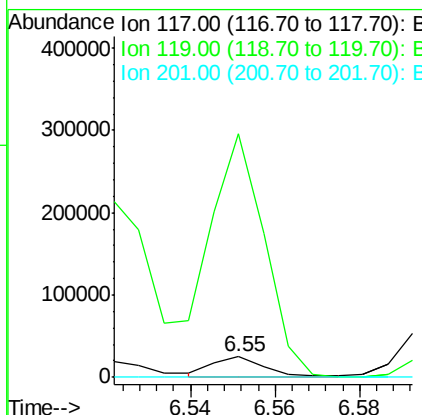
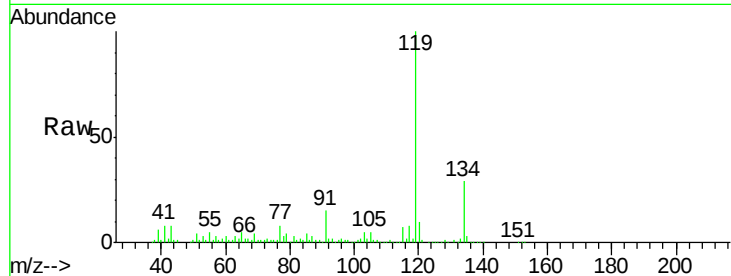




#18
Hexachloroethane
Concen: 5.19 ng
RT: 6.55 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF093891.D
Acq: 23 Mar 2017 21:21

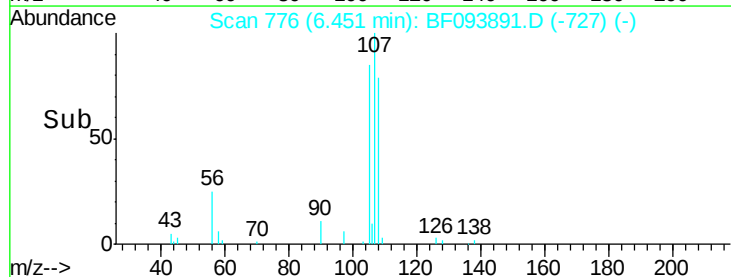
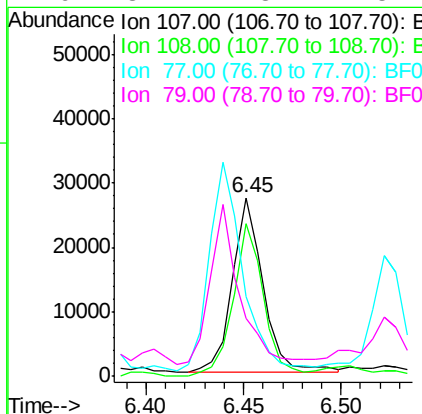
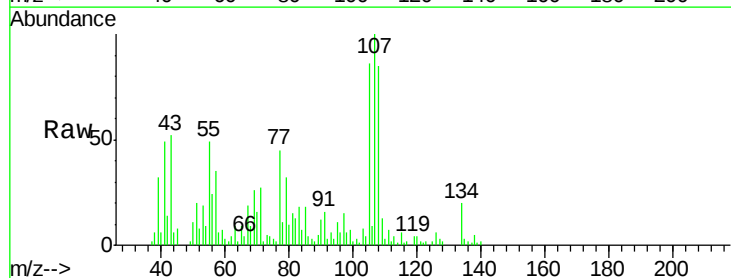
Instrument :
BNA_F
ClientSampleId :
S8-0667

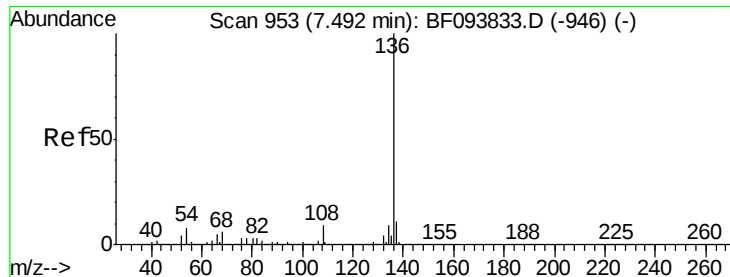
Tgt Ion:117 Resp: 21847
Ion Ratio Lower Upper
117 100
119 1200.9 77.4 116.0#
201 0.0 94.6 141.8#



#20
3+4-Methylphenols
Concen: 2.67 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF093891.D
Acq: 23 Mar 2017 21:21

Tgt Ion:107 Resp: 29250
Ion Ratio Lower Upper
107 100
108 85.4 71.0 111.0
77 44.7 90.5 130.5#
79 32.1 8.4 48.4

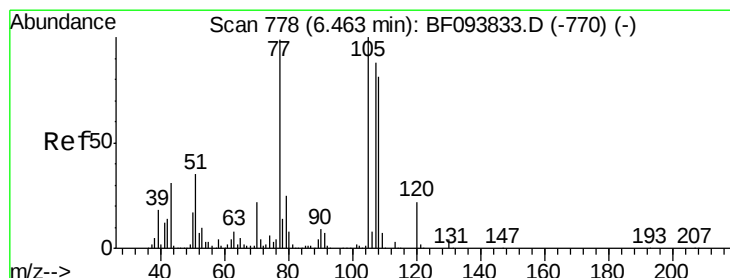
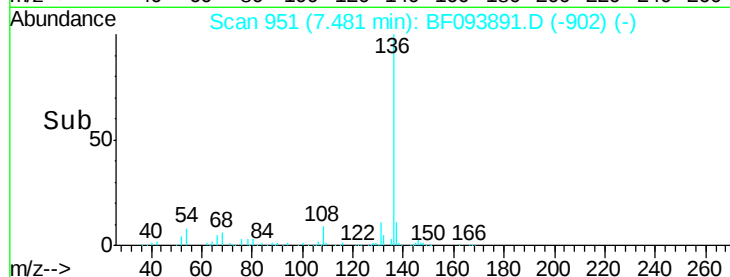
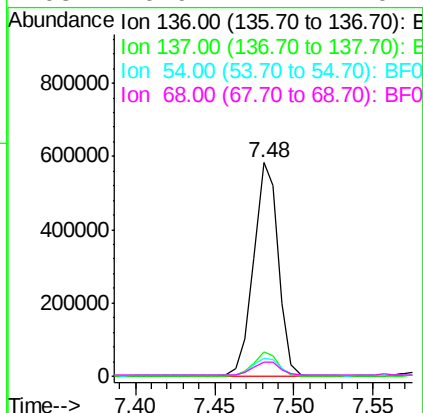
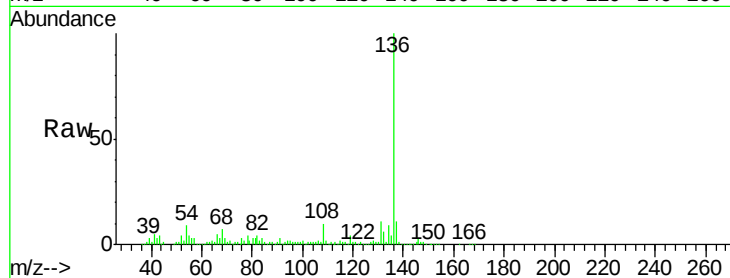




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.48 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093891.D
Acq: 23 Mar 2017 21:21

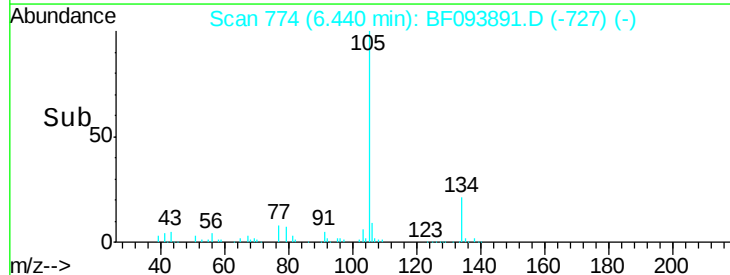
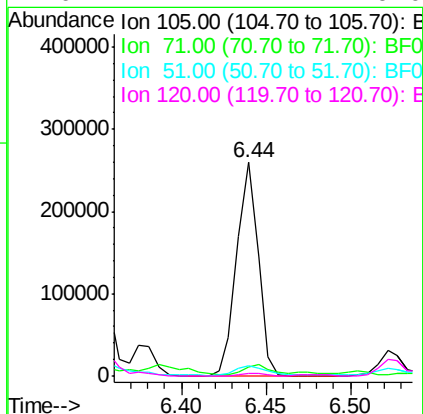
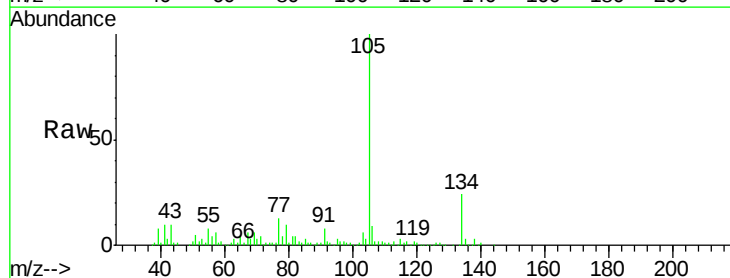
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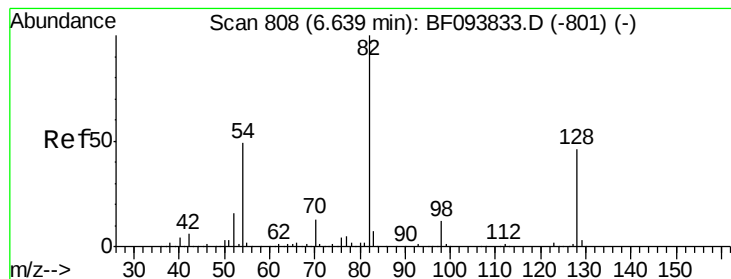
Tgt Ion:	136	Resp:	628112
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	8.5	4.9	7.3#
68	6.9	4.1	6.1#



#22
Acetophenone
Concen: 16.49 ng
RT: 6.44 min Scan# 774
Delta R.T. -0.02 min
Lab File: BF093891.D
Acq: 23 Mar 2017 21:21

Tgt Ion:	105	Resp:	230774
Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.8	4.2#
51	4.9	30.7	46.1#
120	1.1	17.4	26.0#





#23

Nitrobenzene-d5

Concen: 78.05 ng

RT: 6.63 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

Instrument :

BNA_F

ClientSampleId :

S8-0667

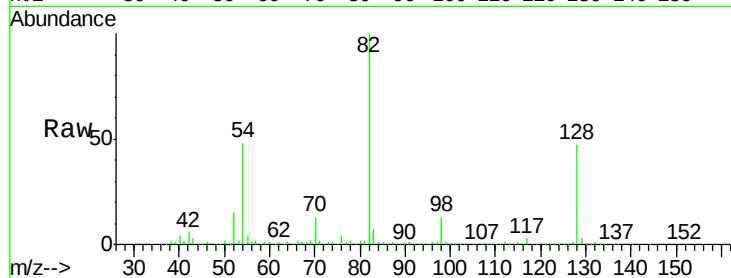
Tgt Ion: 82 Resp: 859044

Ion Ratio Lower Upper

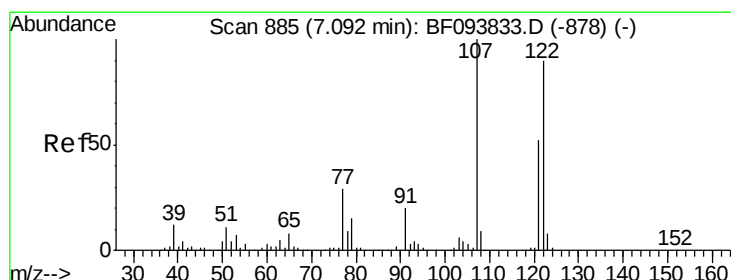
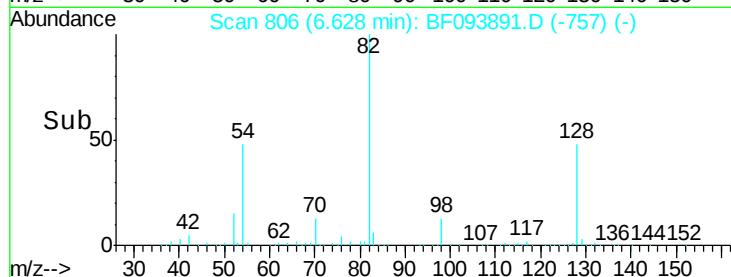
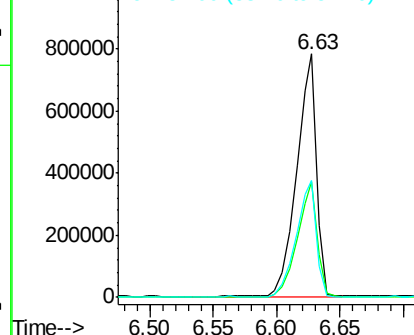
82 100

128 47.5 34.0 51.0

54 48.0 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#27

2,4-Dimethylphenol

Concen: 14.94 ng

RT: 7.09 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

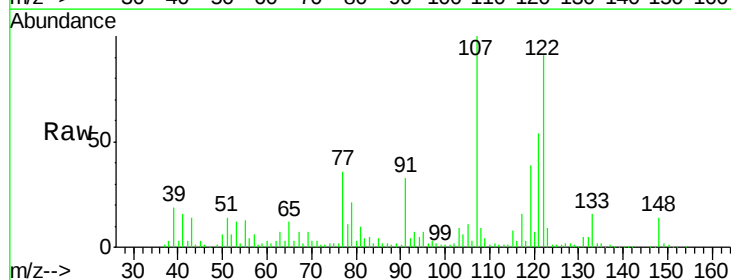
Tgt Ion:122 Resp: 133269

Ion Ratio Lower Upper

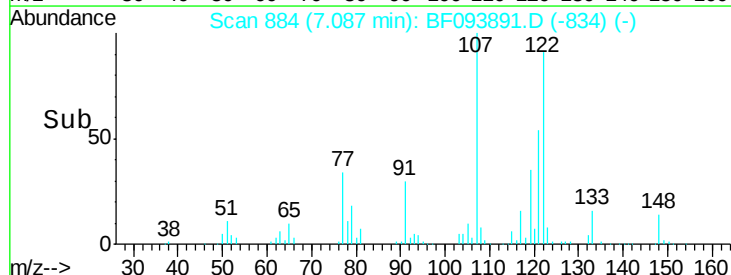
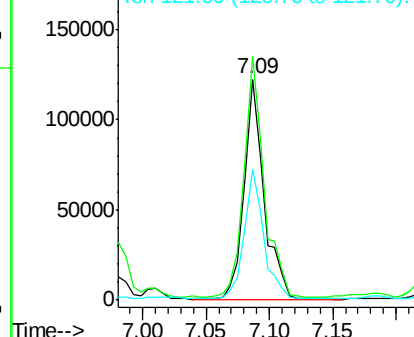
122 100

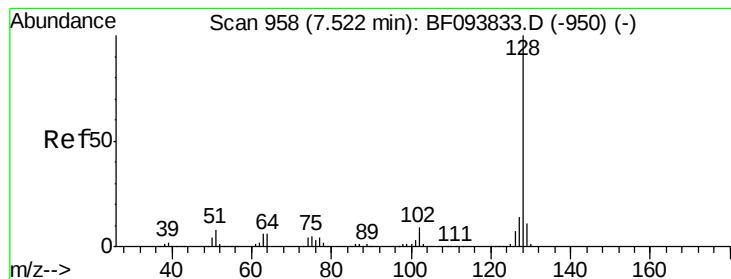
107 110.3 89.2 133.8

121 59.5 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 107.00 (106.70 to 107.70): B
Ion 121.00 (120.70 to 121.70): B





#31

Naphthalene

Concen: 55.05 ng

RT: 7.51 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093891.D

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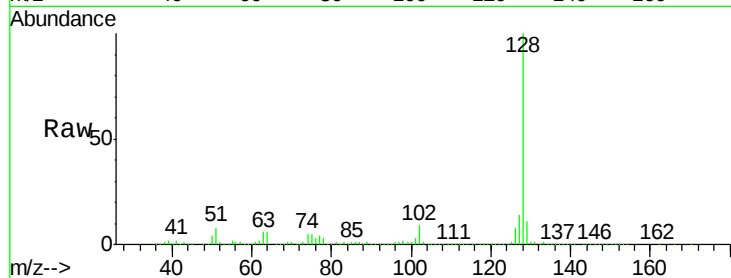
Tgt Ion:128 Resp: 1662530

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

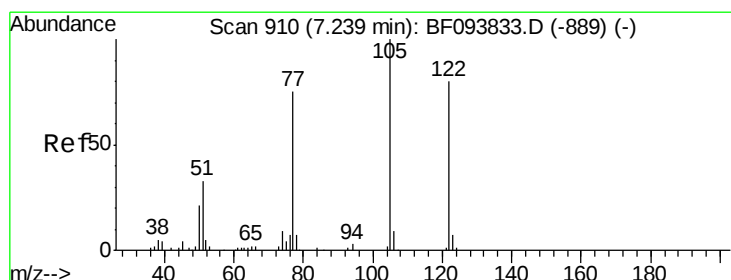
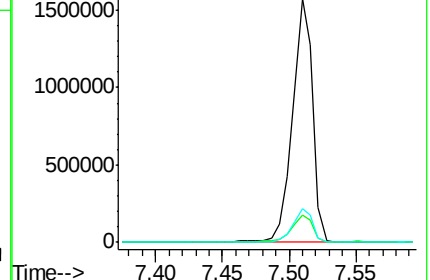
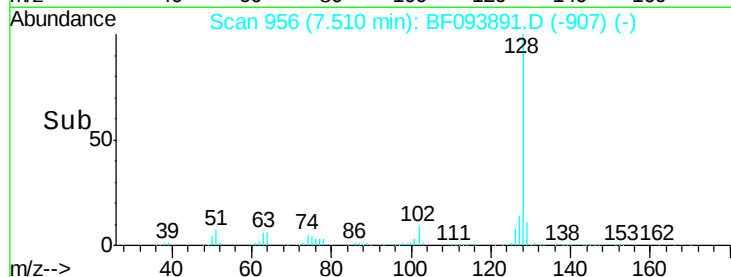
127 13.9 10.8 16.2



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: 4.56 ng

RT: 7.23 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

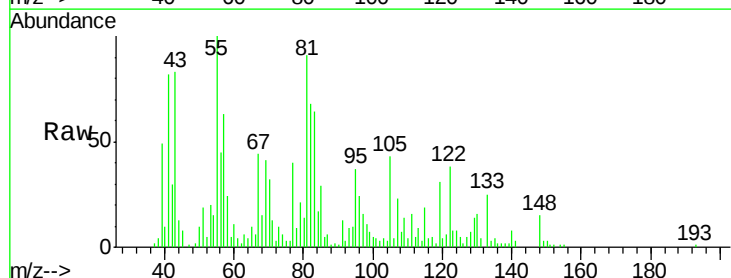
Tgt Ion:122 Resp: 27081

Ion Ratio Lower Upper

122 100

105 114.5 103.3 143.3

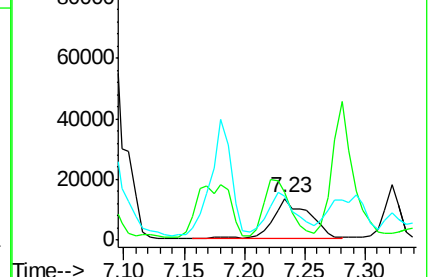
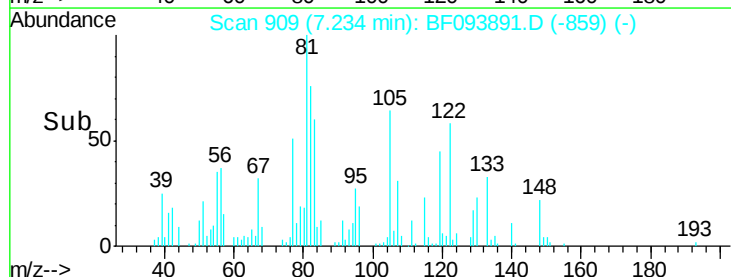
77 106.9 73.7 113.7

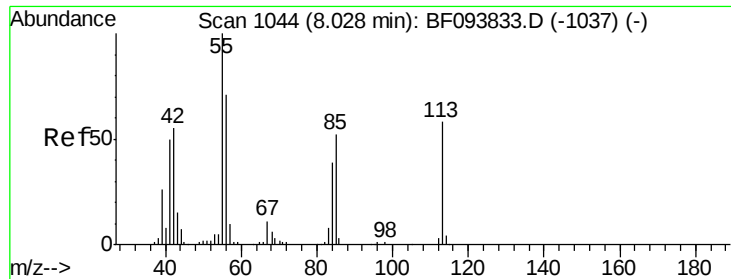


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

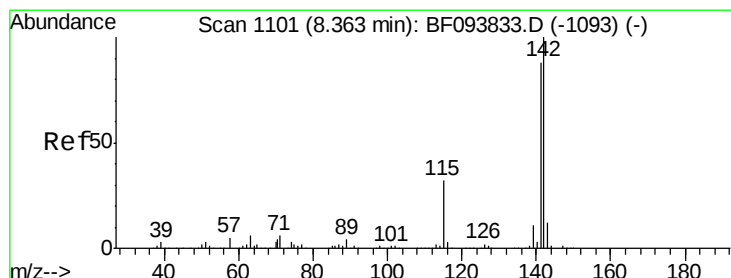
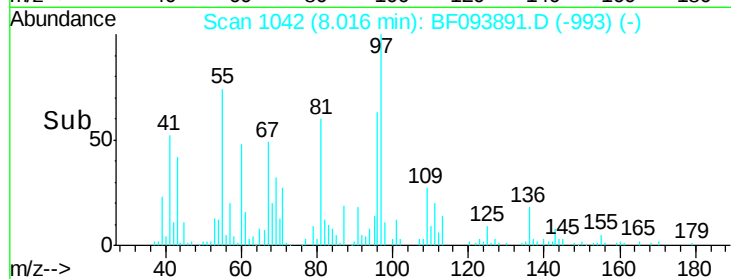
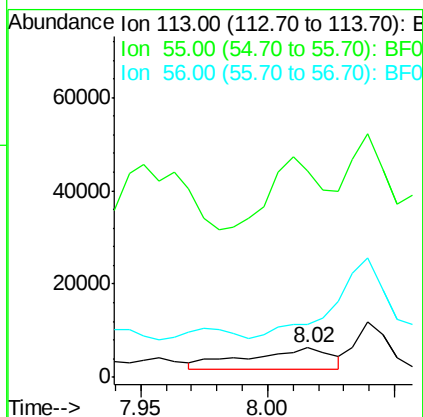
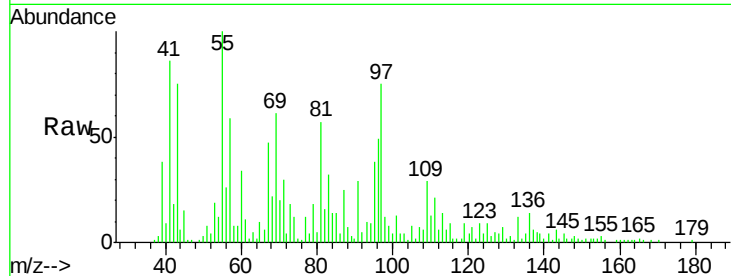




#35
 Caprolactam
 Concen: 3.99 ng
 RT: 8.02 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

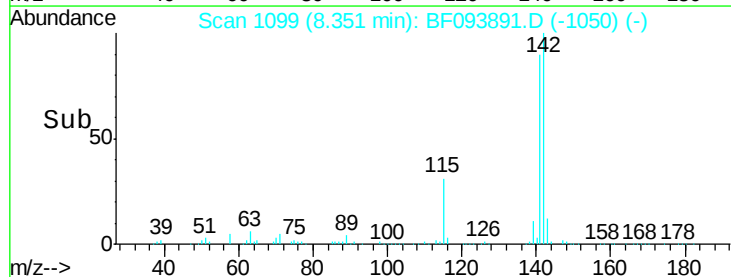
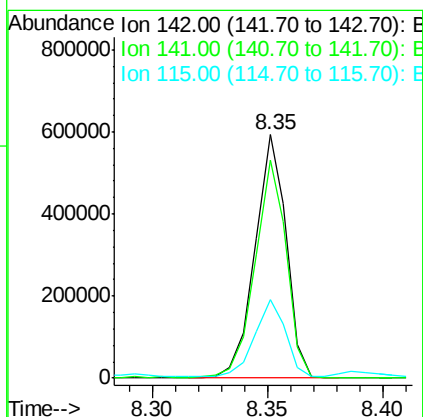
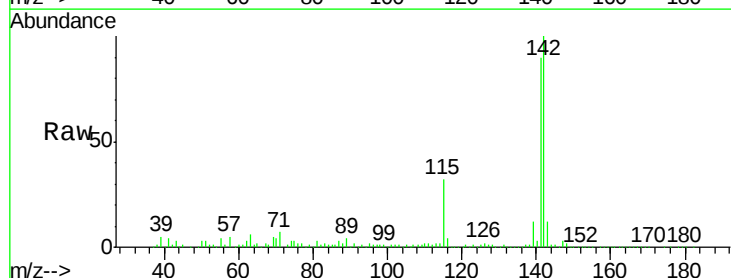
Instrument :
 BNA_F
 ClientSampleId :
 S8-0667

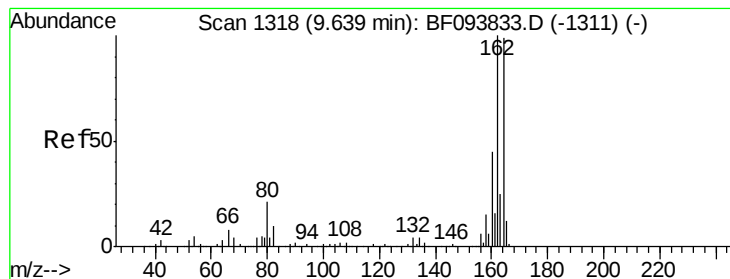
Tgt Ion:113 Resp: 10617
 Ion Ratio Lower Upper
 113 100
 55 695.1 150.2 190.2#
 56 178.6 107.8 147.8#



#37
 2-Methylnaphthalene
 Concen: 27.74 ng
 RT: 8.35 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Tgt Ion:142 Resp: 558540
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.3 106.9
 115 32.2 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

Instrument :

BNA_F

ClientSampleId :

S8-0667

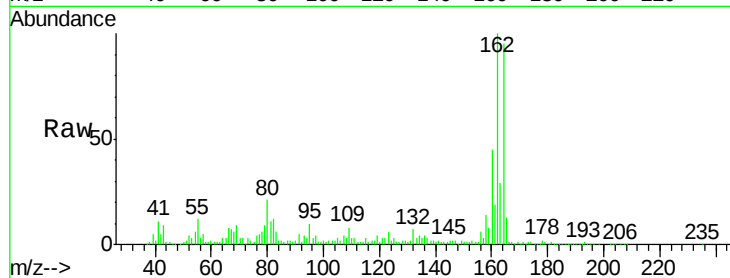
Tgt Ion:164 Resp: 258572

Ion Ratio Lower Upper

164 100

162 105.6 82.6 123.8

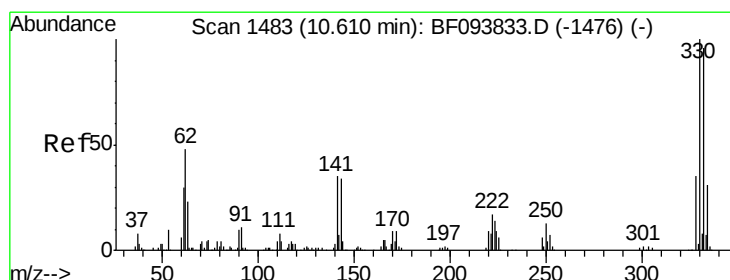
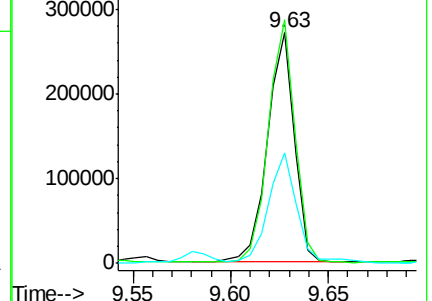
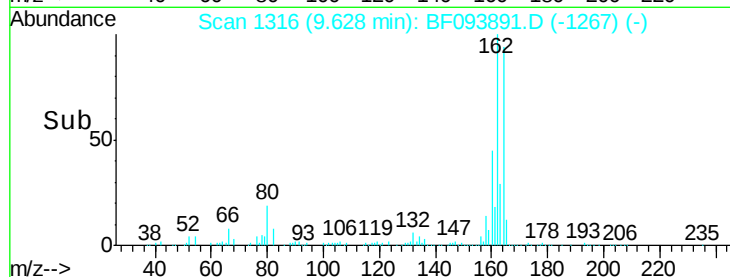
160 47.7 36.2 54.2



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: 123.67 ng

RT: 10.60 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

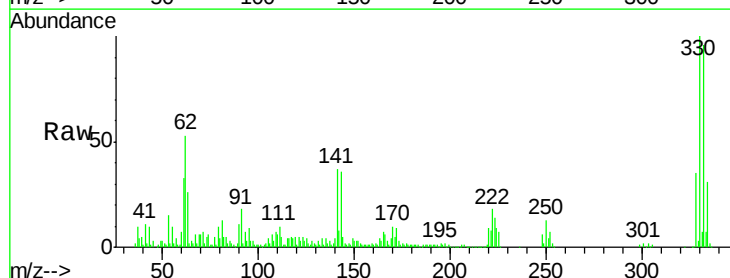
Tgt Ion:330 Resp: 252694

Ion Ratio Lower Upper

330 100

332 95.2 76.6 115.0

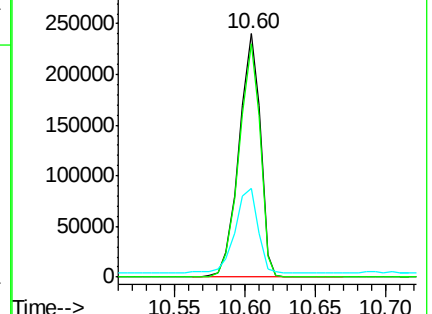
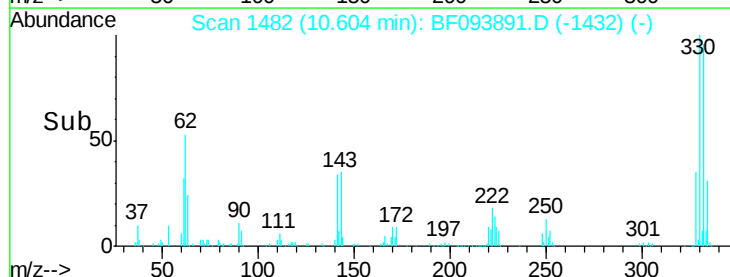
141 37.3 31.4 47.2

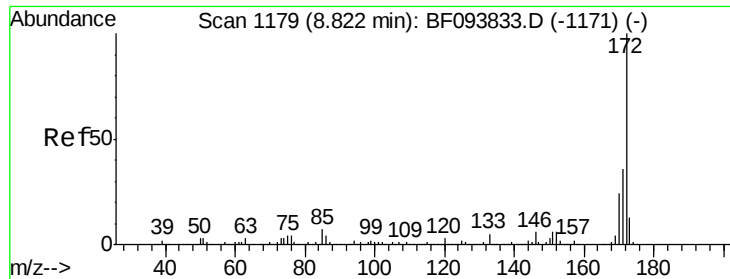


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

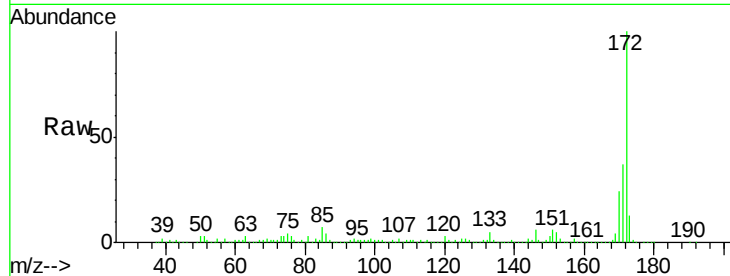




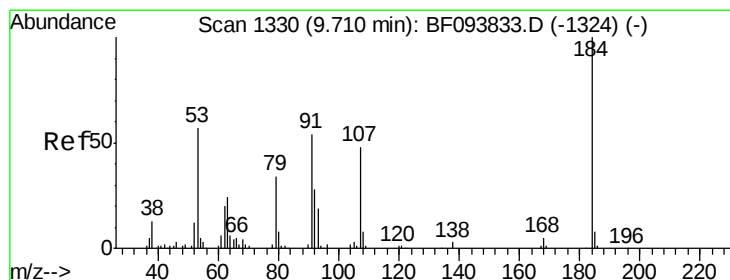
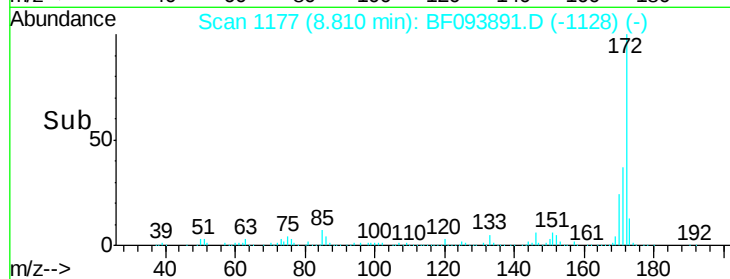
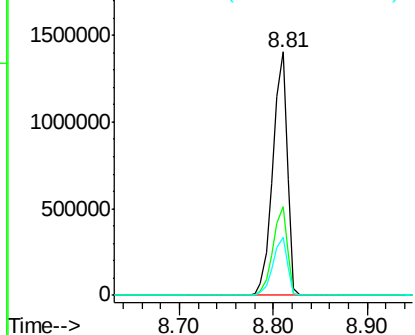
#44
 2-Fluorobiphenyl
 Concen: 88.29 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :
 S8-0667

Tgt Ion:172 Resp: 1496681
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.9 19.8 29.8

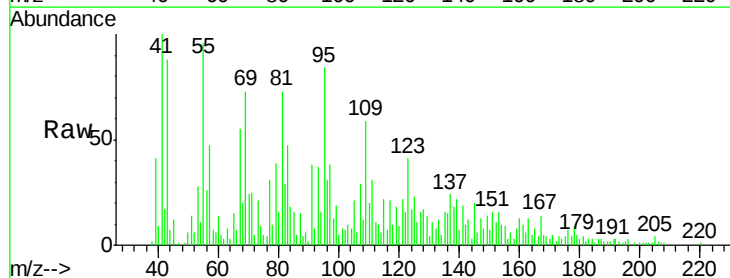


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

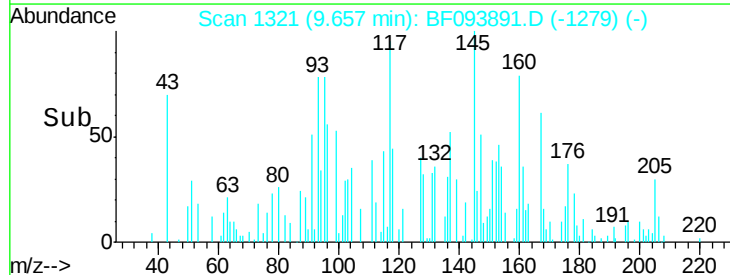
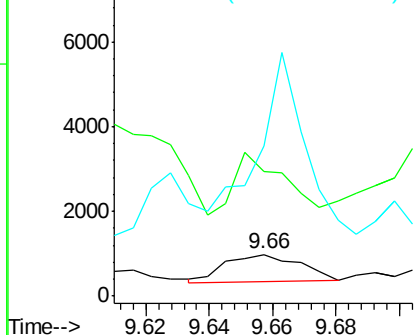


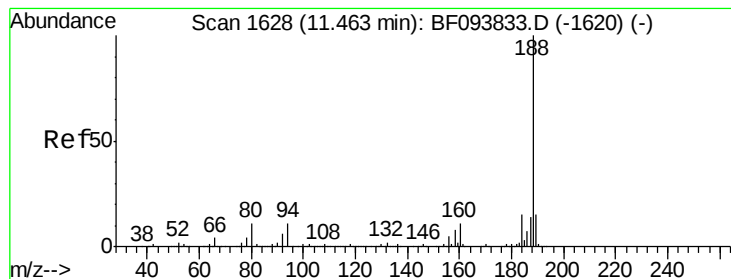
#53
 2,4-Dinitrophenol
 Concen: 5.12 ng
 RT: 9.66 min Scan# 1321
 Delta R.T. -0.05 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Tgt Ion:184 Resp: 1094
 Ion Ratio Lower Upper
 184 100
 63 300.6 62.7 94.1#
 154 360.5 81.1 121.7#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

Instrument :

BNA_F

ClientSampled :

S8-0667

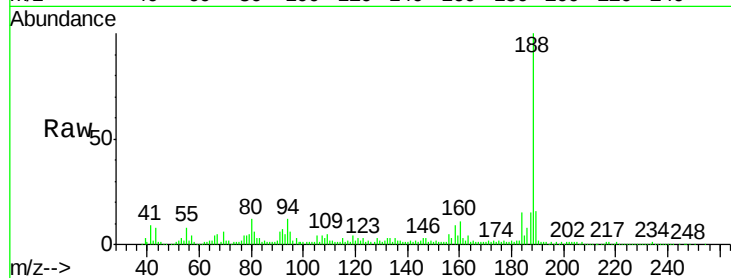
Tgt Ion:188 Resp: 375022

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

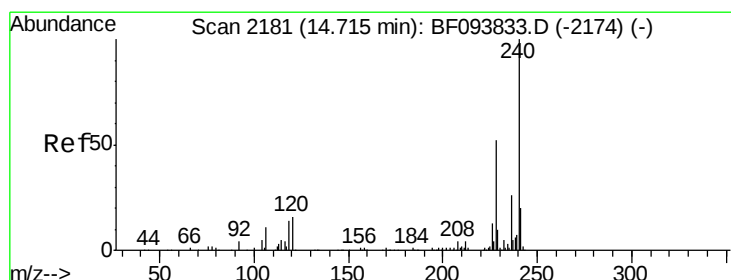
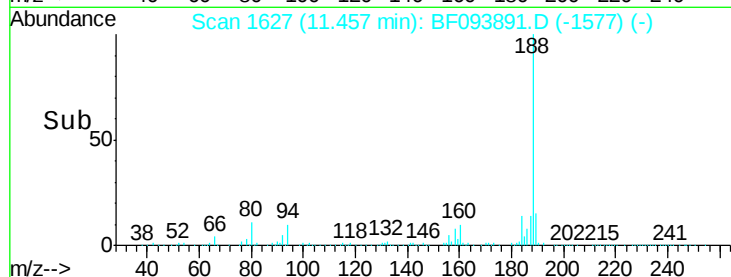
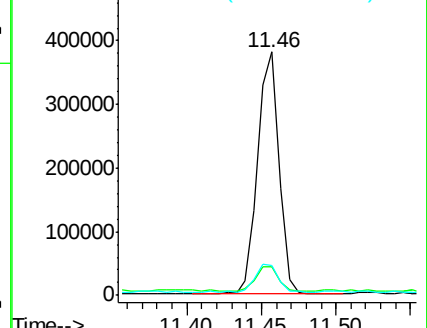
80 12.0 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.72 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF093891.D

Acq: 23 Mar 2017 21:21

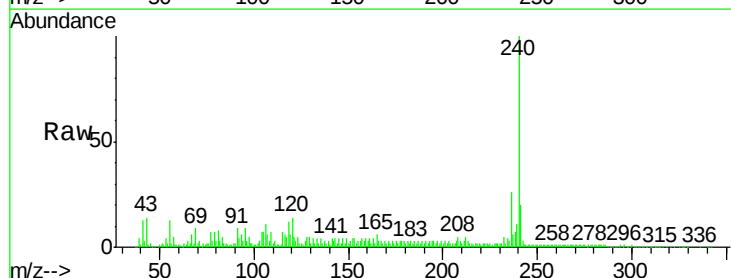
Tgt Ion:240 Resp: 284052

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

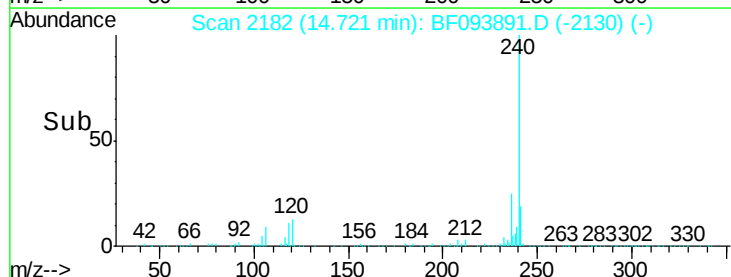
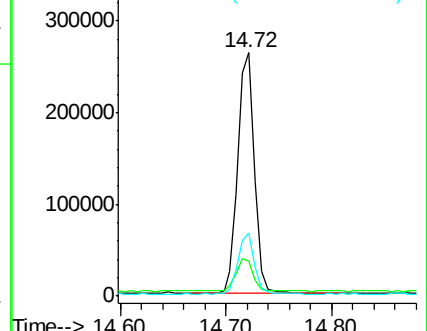
236 25.7 20.5 30.7

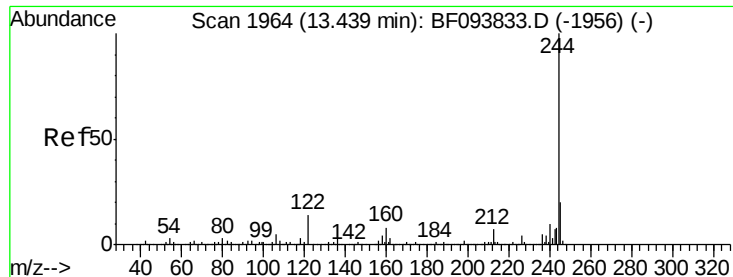


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

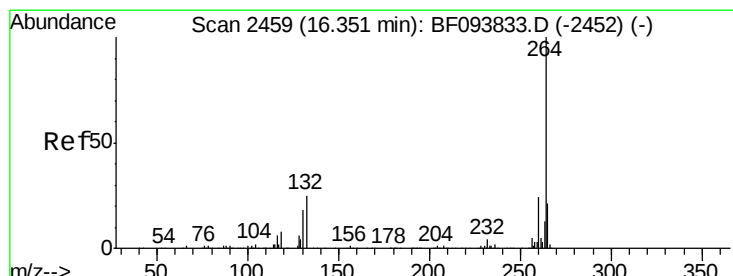
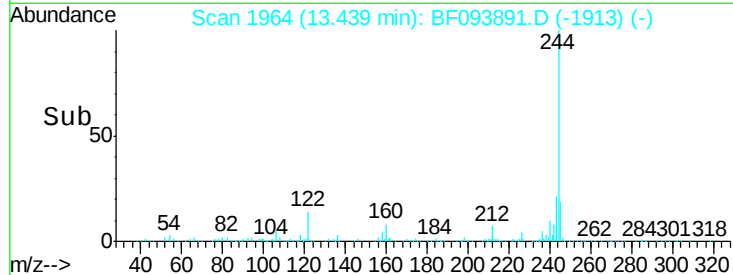
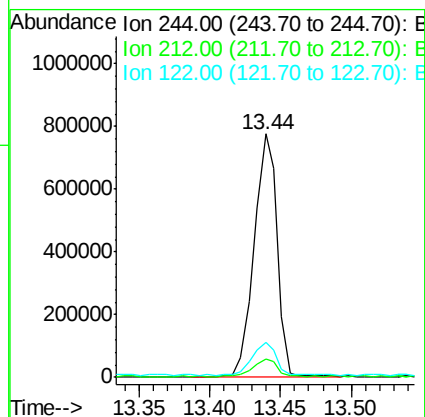
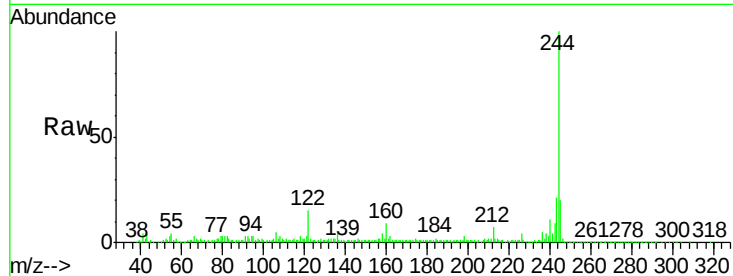




#78
 Terphenyl-d14
 Concen: 69.67 ng
 RT: 13.44 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :
 S8-0667

Tgt Ion:244 Resp: 882830
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.36 min Scan# 2461
 Delta R.T. 0.01 min
 Lab File: BF093891.D
 Acq: 23 Mar 2017 21:21

Tgt Ion:264 Resp: 205882
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 22.3 17.2 25.8

