

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093923.D
 Acq On : 24 Mar 2017 22:57
 Operator : SJ/MA
 Sample : I2367-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-BASE

Quant Time: Mar 25 00:51:27 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	5.96	152	185623	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	732195	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	311348	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	490991	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	305208	20.00	ng	-0.03
86) Perylene-d12	16.33	264	294389	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1229721	111.89	ng	0.00
7) Phenol-d6	5.56	99	1559355	114.69	ng	0.00
23) Nitrobenzene-d5	6.61	82	991814	77.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	280722	114.10	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	1472566	72.14	ng	-0.04
78) Terphenyl-d14	13.41	244	829525	60.92	ng	-0.03

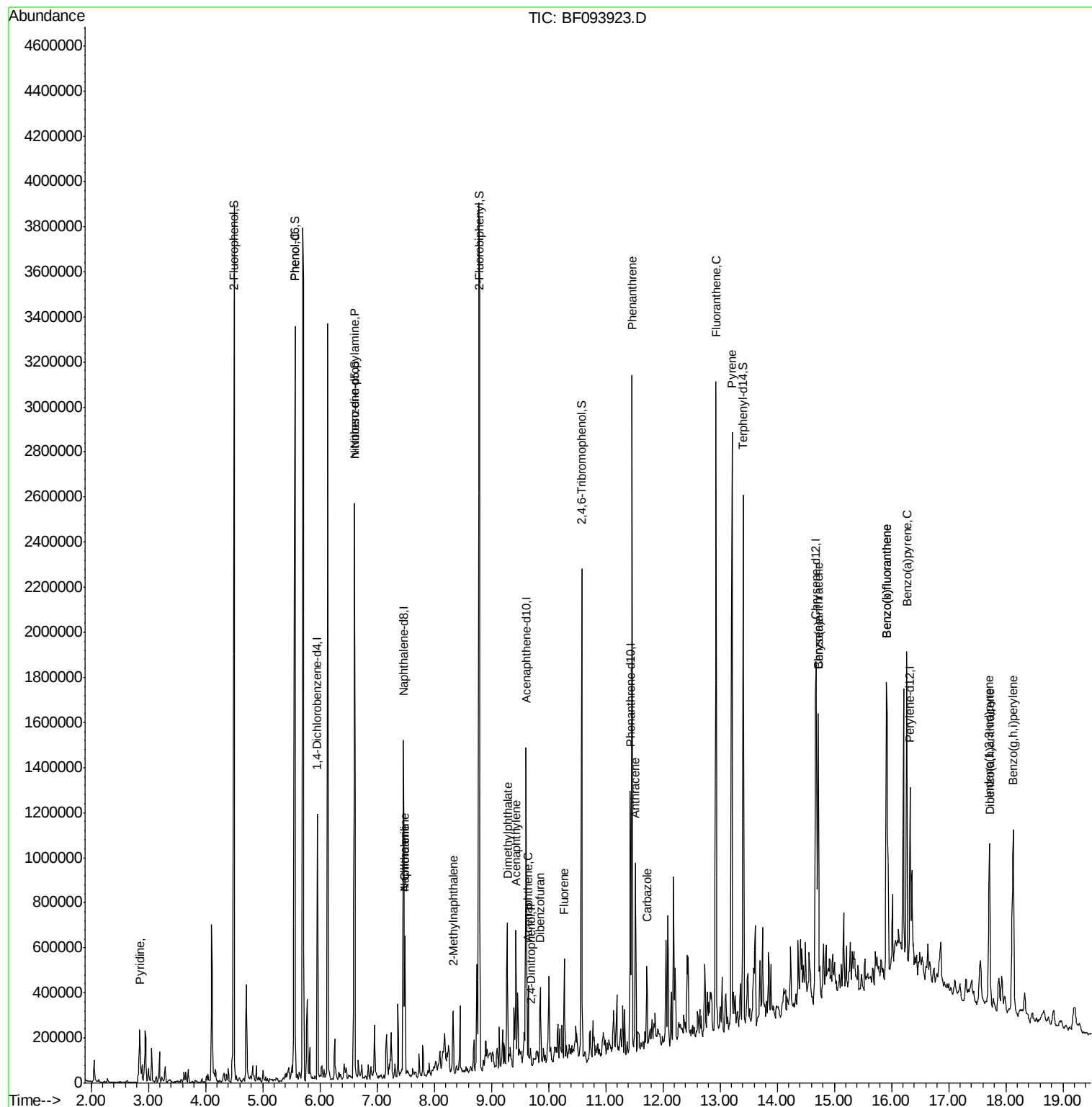
Target Compounds						Qvalue
3) Pyridine	2.85	79	80055	5.56	ng	# 35
10) Phenol	5.57	94	73660	4.76	ng	97
19) n-Nitroso-di-n-propylamine	6.61	70	131526	15.05	ng	# 80
31) Naphthalene	7.49	128	279487	7.94	ng	99
33) 4-Chloroaniline	7.49	127	37288	2.61	ng	# 32
37) 2-Methylnaphthalene	8.33	142	82101	3.50	ng	98
48) Acenaphthylene	9.43	152	260703	7.98	ng	98
49) Dimethylphthalate	9.28	163	247175	11.17	ng	99
51) Acenaphthene	9.65	154	75919	3.98	ng	98
53) 2,4-Dinitrophenol	9.69	184	107	4.70	ng	# 1
54) Dibenzofuran	9.86	168	126532	4.88	ng	97
57) Fluorene	10.28	166	141639	6.58	ng	98
70) Phenanthrene	11.46	178	1349695	49.42	ng	99
71) Anthracene	11.52	178	351106	12.48	ng	98
72) Carbazole	11.72	167	151682	5.26	ng	98
74) Fluoranthene	12.93	202	1392332	49.78	ng	99
77) Pyrene	13.21	202	1316115	59.42	ng	100
80) Benzo(a)anthracene	14.72	228	573123	32.20	ng	96
82) Chrysene	14.72	228	573123	34.70	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	458392	32.05	ng	96
87) Benzo(b)fluoranthene	15.92	252	1015054	56.25	ng	97
88) Benzo(k)fluoranthene	15.92	252	1015054	57.49	ng	97
89) Benzo(a)pyrene	16.27	252	606509	36.50	ng	97
90) Dibenzo(a,h)anthracene	17.73	278	114939	8.17	ng	98
91) Benzo(g,h,i)perylene	18.13	276	647266	45.64	ng	97

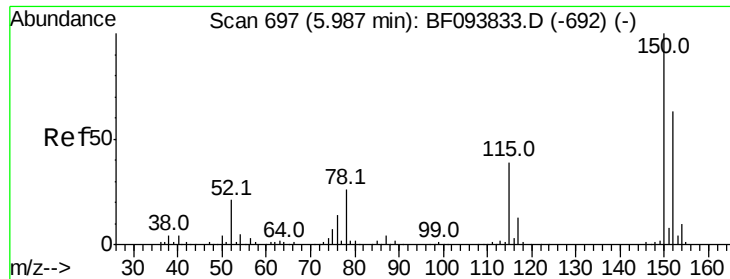
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 692

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

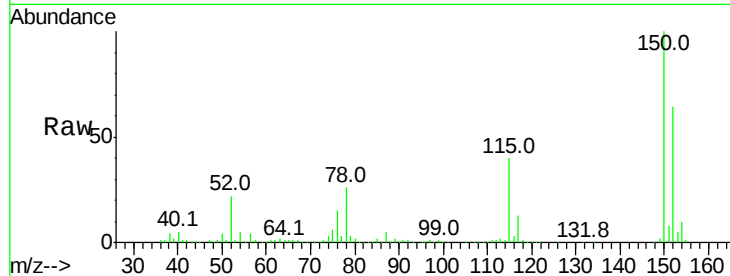
Tot Ion:152 Resp: 185623

Ion Ratio Lower Upper

152 100

150 155.4 126.2 189.2

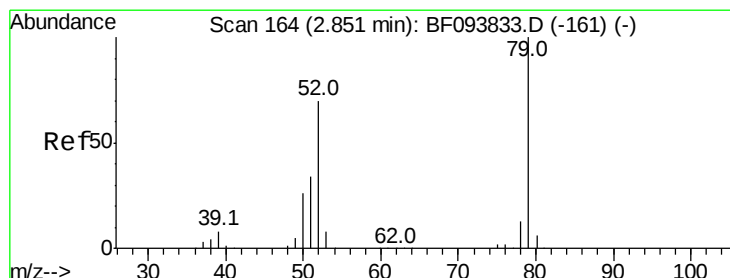
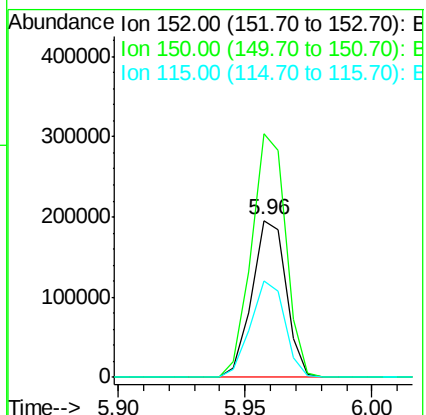
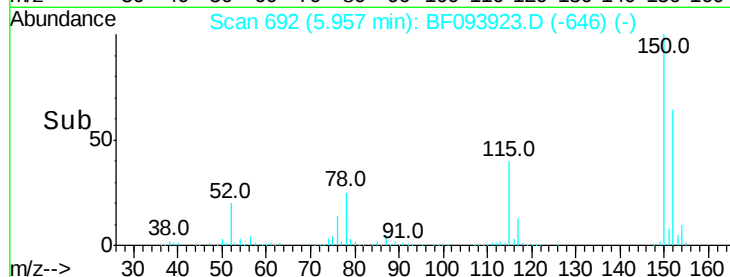
115 61.6 52.2 78.2



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



#3

Pyridine

Concen: 5.56 ng

RT: 2.85 min Scan# 163

Delta R.T. -0.01 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

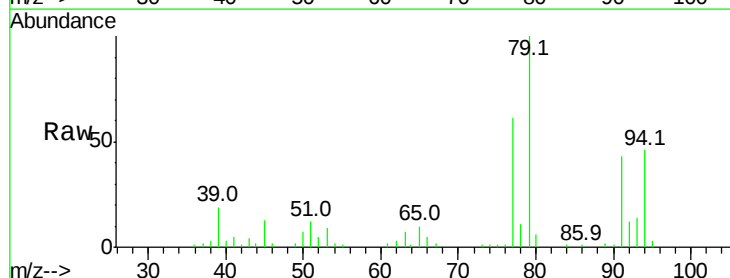
Tgt Ion: 79 Resp: 80055

Ion Ratio Lower Upper

79 100

52 4.5 54.8 82.2#

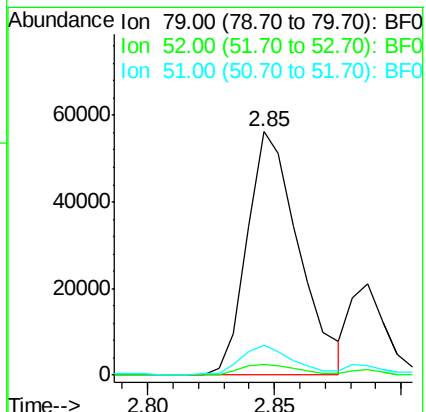
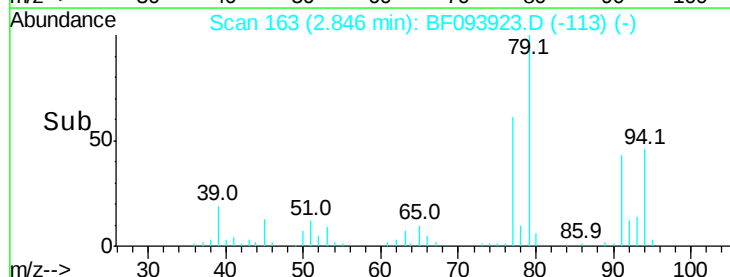
51 12.4 27.0 40.4#

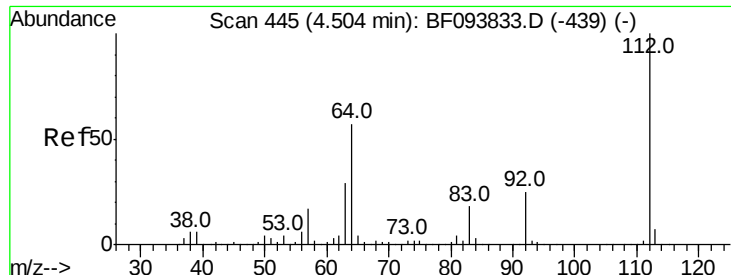


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 111.89 ng

RT: 4.50 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

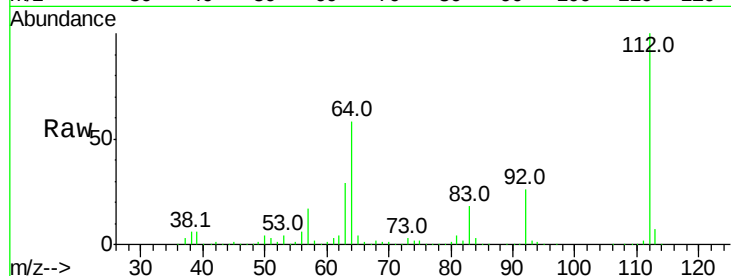
Tot Ion:112 Resp: 1229721

Ion Ratio Lower Upper

112 100

64 57.7 46.0 69.0

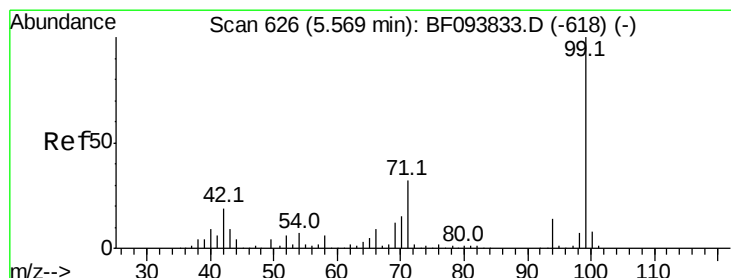
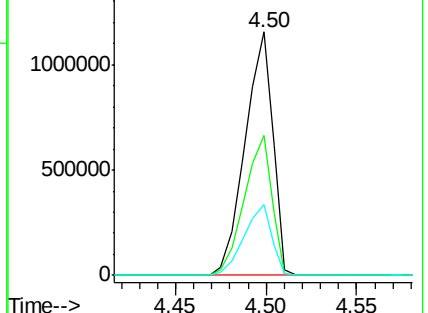
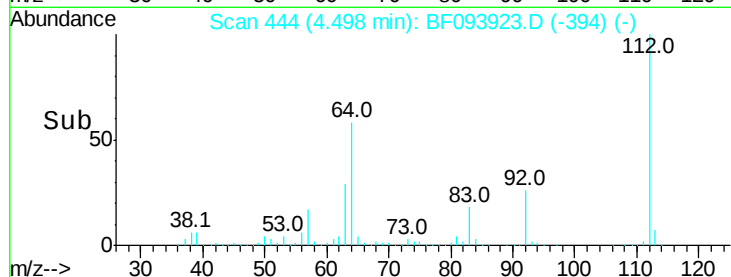
63 29.0 23.4 35.0



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: 114.69 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

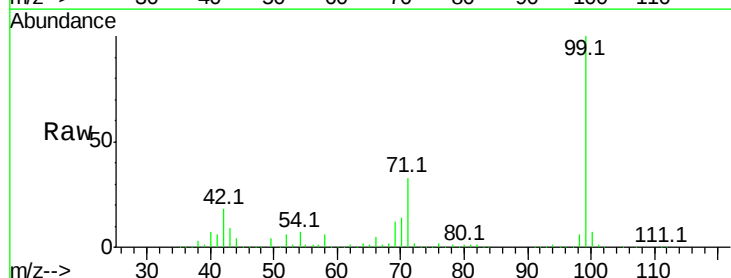
Tgt Ion: 99 Resp: 1559355

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

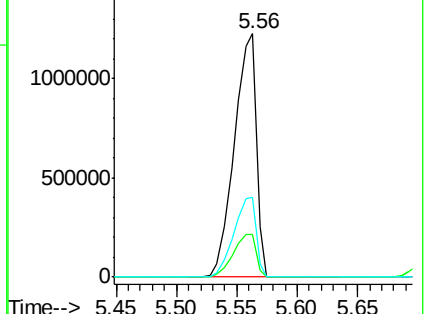
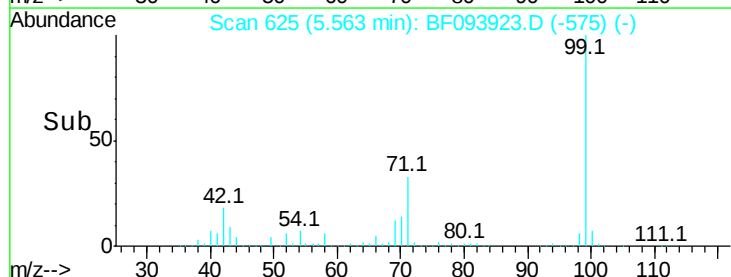
71 32.8 24.5 36.7

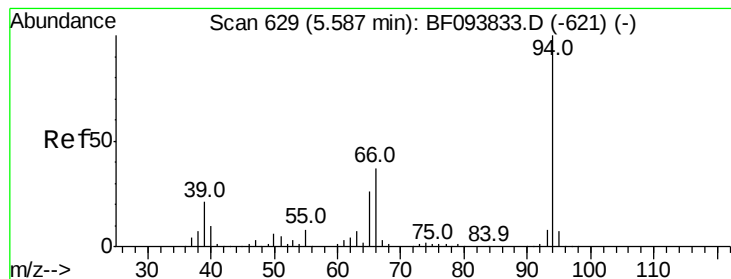


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 4.76 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

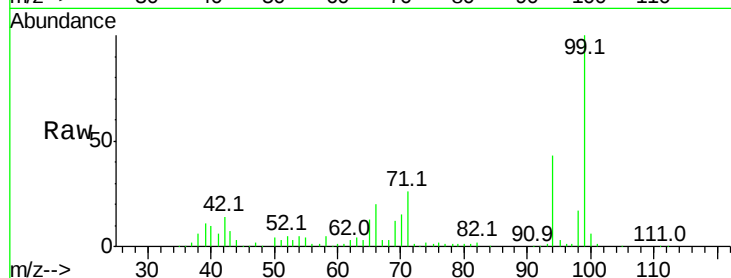
Tot Ion: 94 Resp: 73660

Ion Ratio Lower Upper

94 100

65 29.3 9.9 49.9

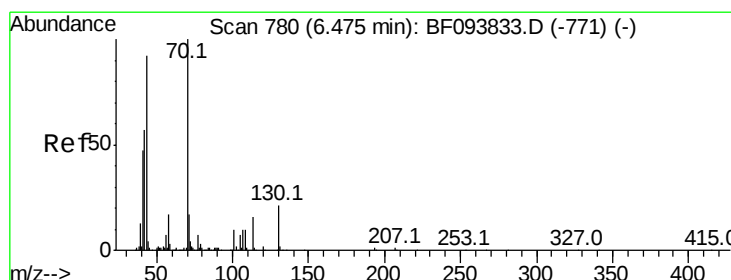
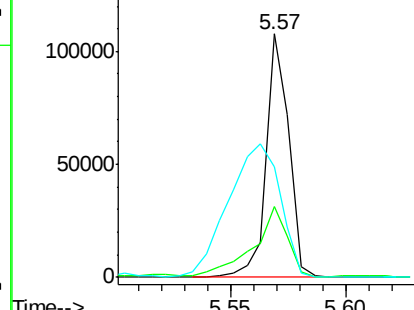
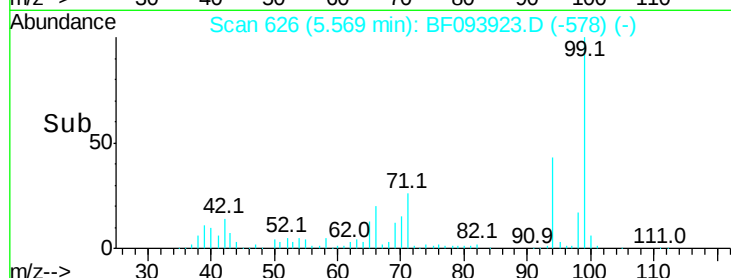
66 45.4 23.1 63.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.05 ng

RT: 6.61 min Scan# 803

Delta R.T. 0.14 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Tgt Ion: 70 Resp: 131526

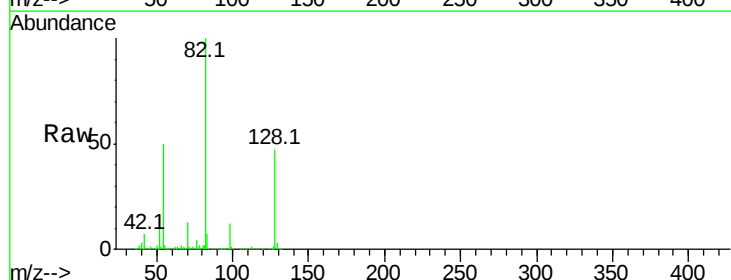
Ion Ratio Lower Upper

70 100

42 49.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

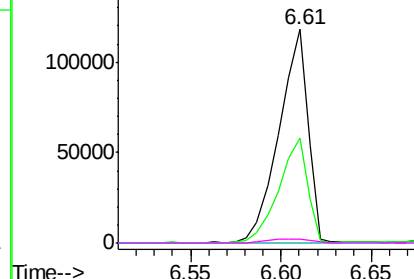
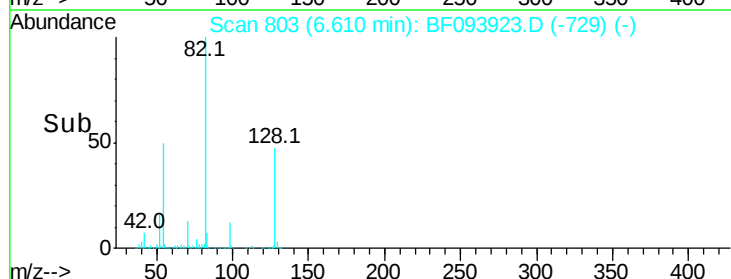


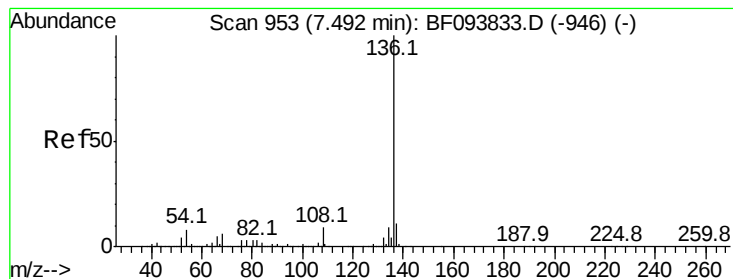
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

Tot Ion:136 Resp: 732195

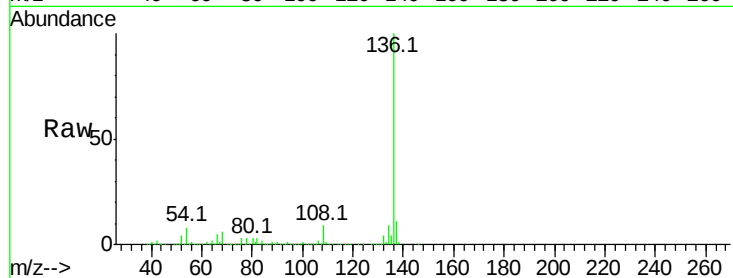
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.6 4.9 7.3#

68 6.1 4.1 6.1#

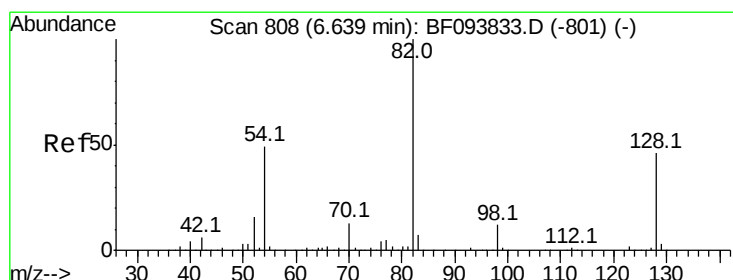
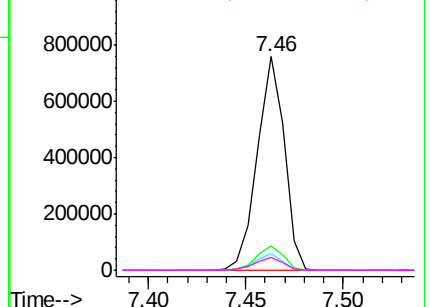
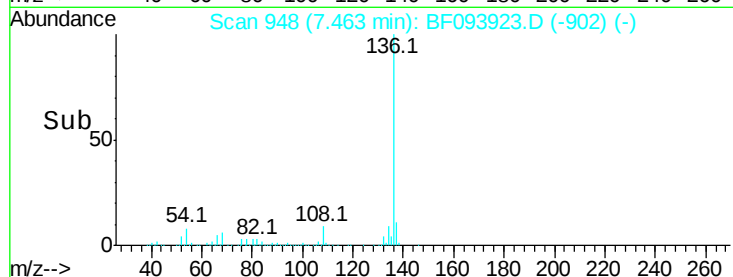


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 77.30 ng

RT: 6.61 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

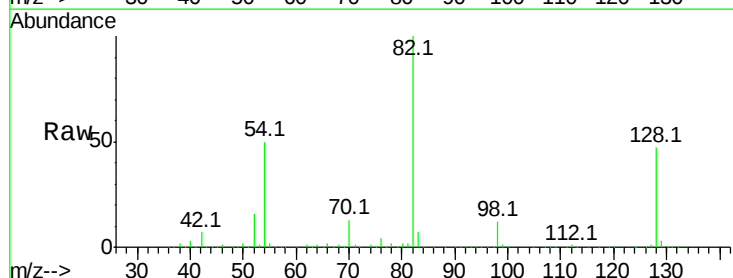
Tgt Ion: 82 Resp: 991814

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

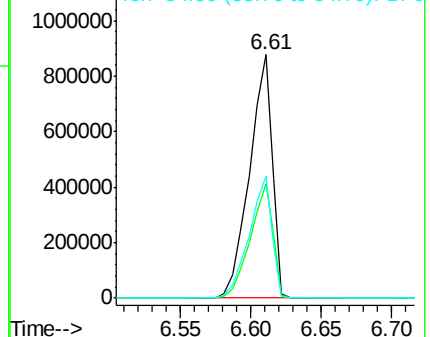
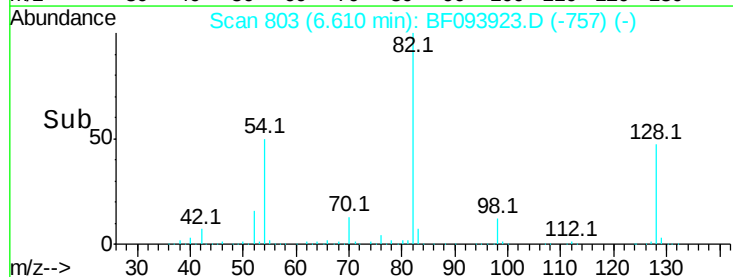
54 50.3 42.2 63.2

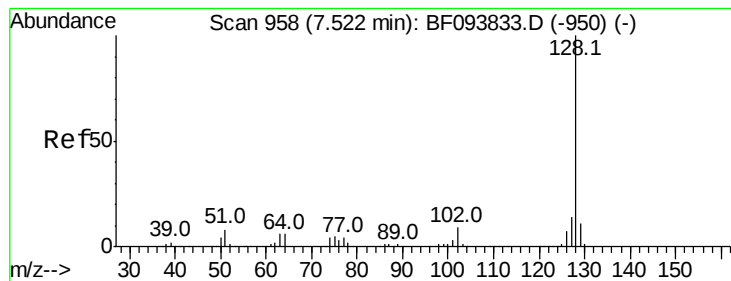


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 7.94 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

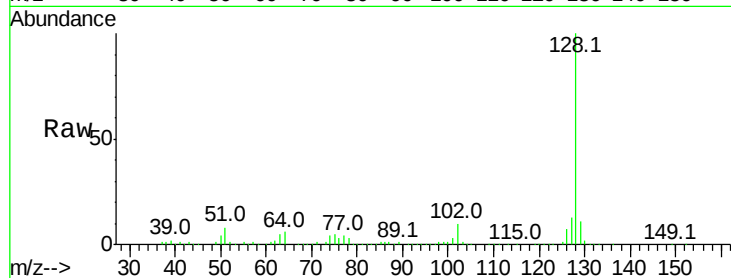
Tot Ion:128 Resp: 279487

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

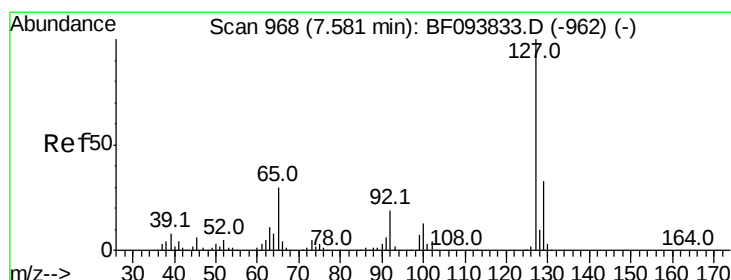
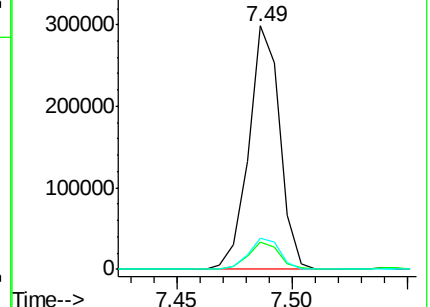
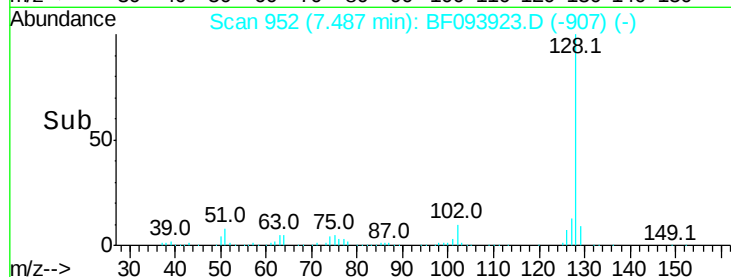
127 12.9 10.8 16.2



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



#33

4-Chloroaniline

Concen: 2.61 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.09 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Tgt Ion:127 Resp: 37288

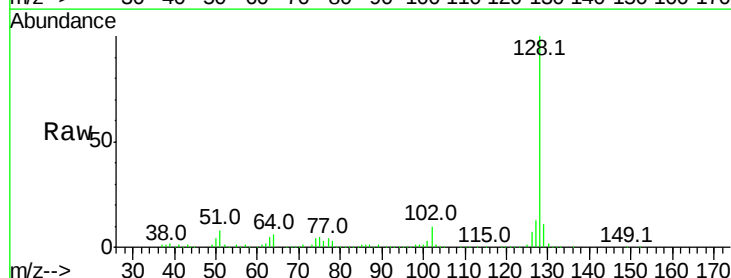
Ion Ratio Lower Upper

127 100

129 85.1 26.2 39.2#

65 0.0 27.8 41.8#

92 0.9 16.8 25.2#

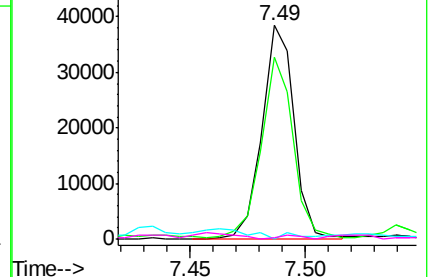
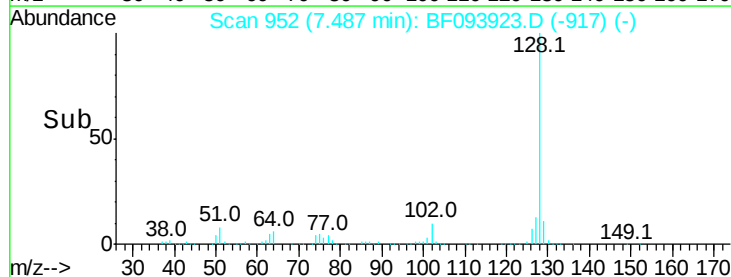


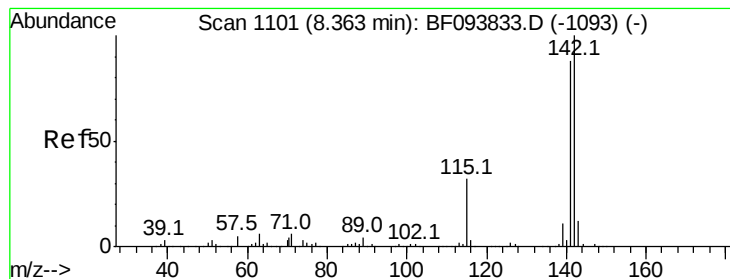
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 3.50 ng

RT: 8.33 min Scan# 1096

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

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E2-R14-BASE

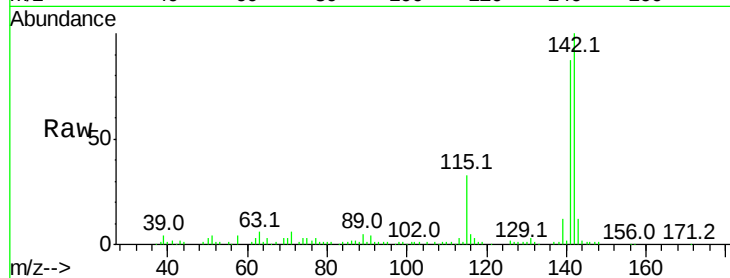
Tot Ion:142 Resp: 82101

Ion Ratio Lower Upper

142 100

141 87.1 71.3 106.9

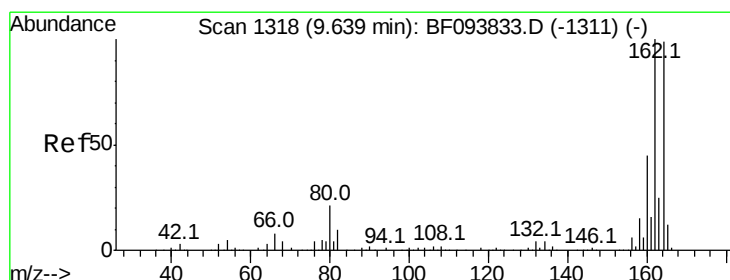
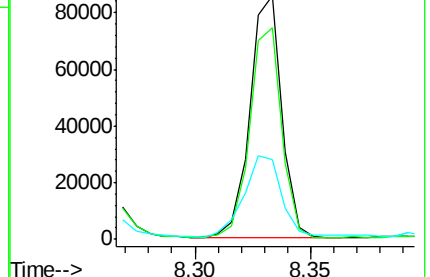
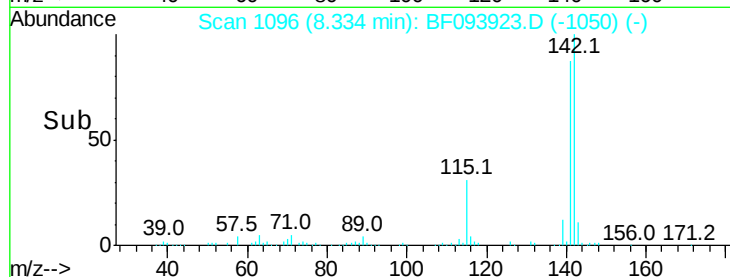
115 32.9 27.1 40.7



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: 9.60 min Scan# 1312

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

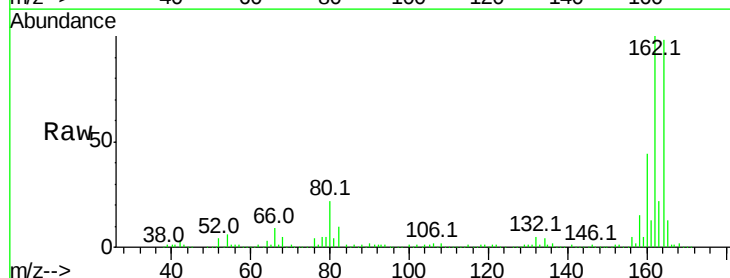
Tgt Ion:164 Resp: 311348

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

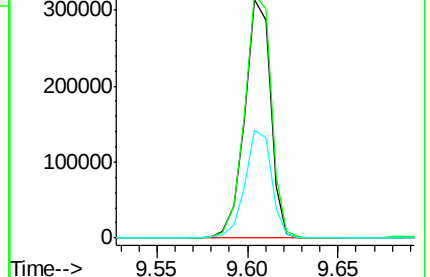
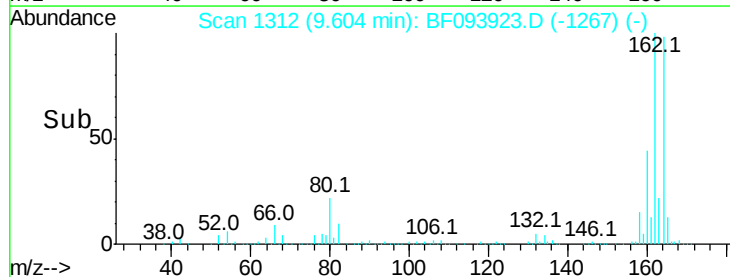
160 45.3 36.2 54.2

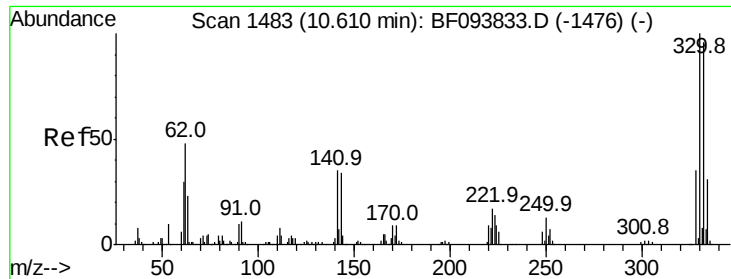


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

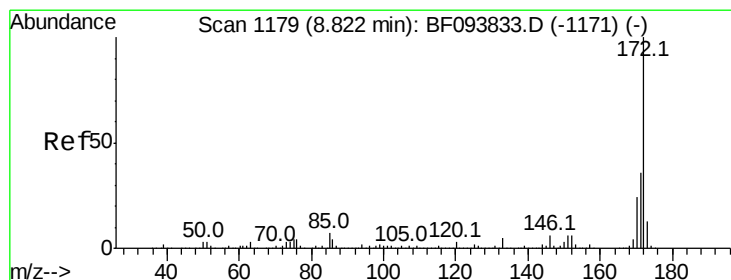
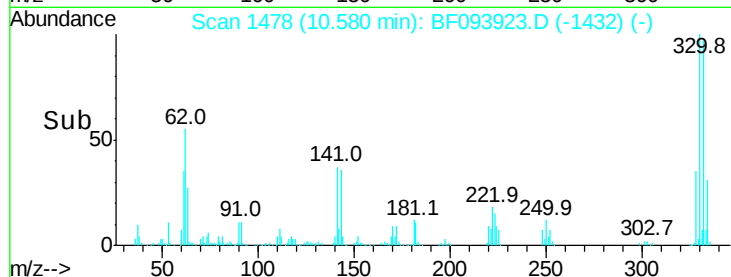
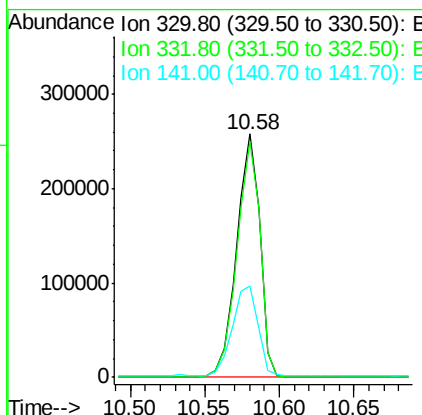
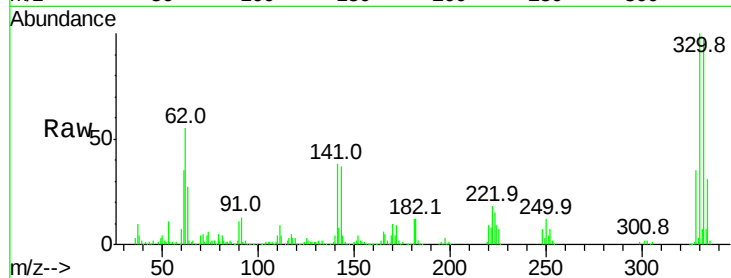




#41
 2,4,6-Tribromophenol
 Concen: 114.10 ng
 RT: 10.58 min Scan# 1478
 Delta R.T. -0.03 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

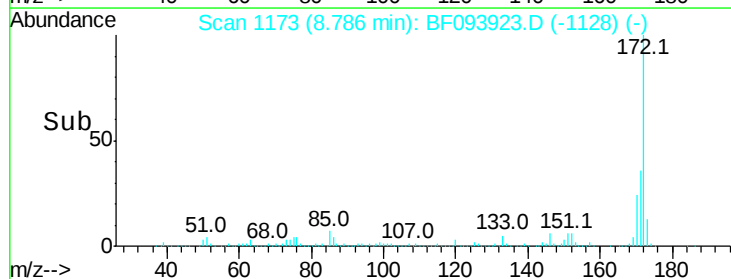
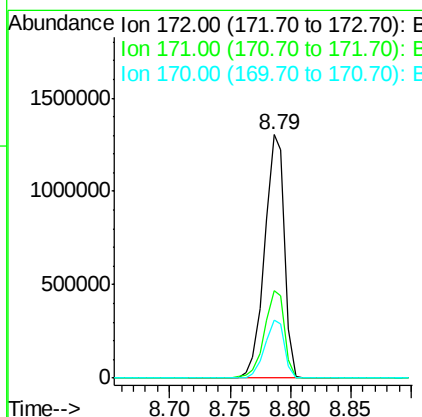
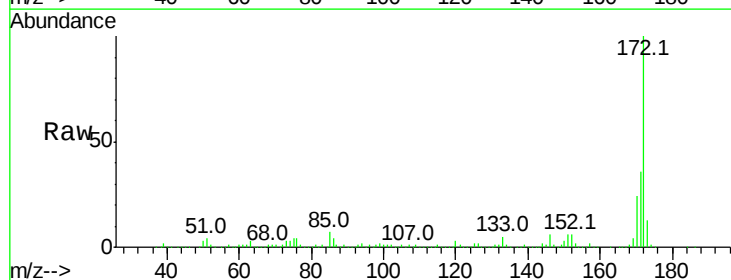
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-BASE

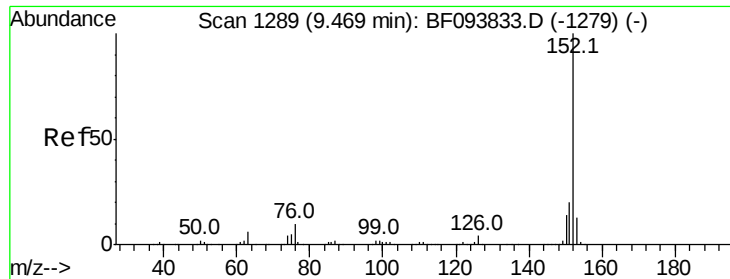
Tot Ion:330 Resp: 280722
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 41.5 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 72.14 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

Tgt Ion:172 Resp: 1472566
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 19.8 29.8





#48

Acenaphthylene

Concen: 7.98 ng

RT: 9.43 min Scan# 1282

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

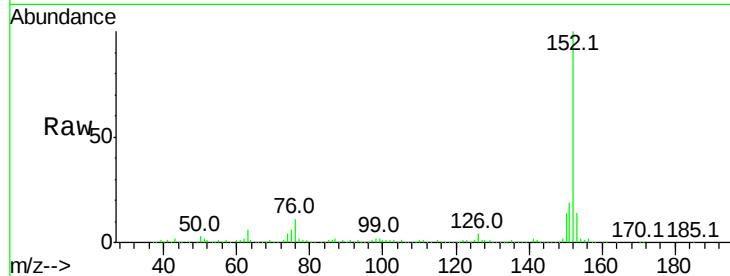
Tot Ion:152 Resp: 260703

Ion Ratio Lower Upper

152 100

151 19.4 16.8 25.2

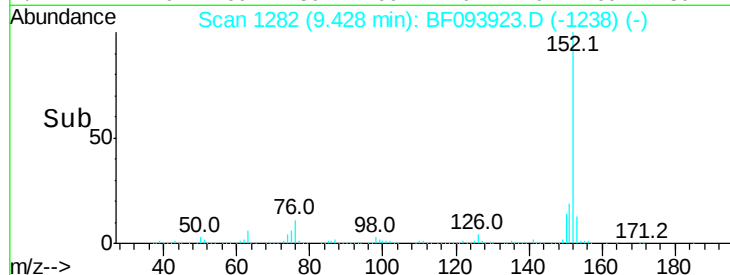
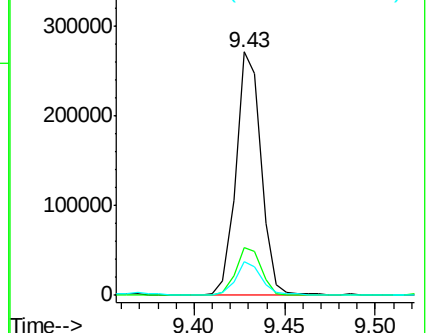
153 13.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.17 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

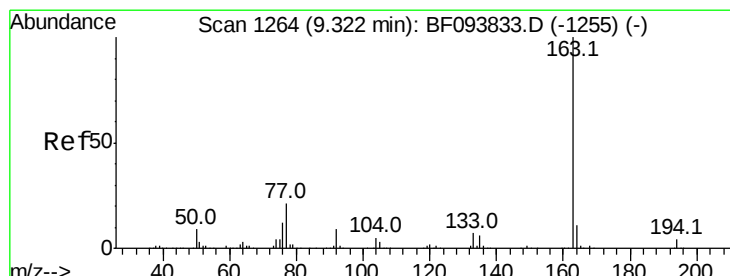
Tgt Ion:163 Resp: 247175

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

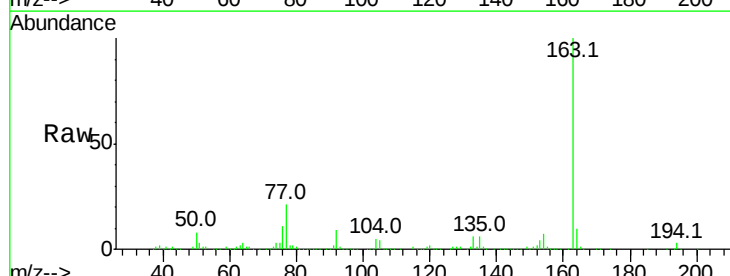
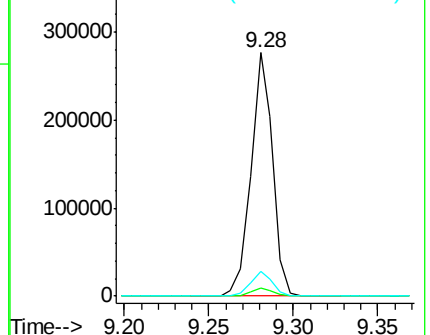
164 10.1 8.4 12.6

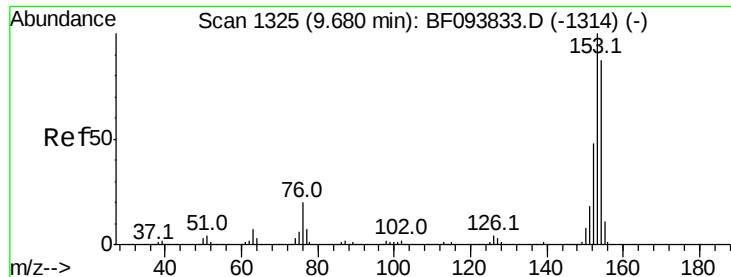


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.98 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

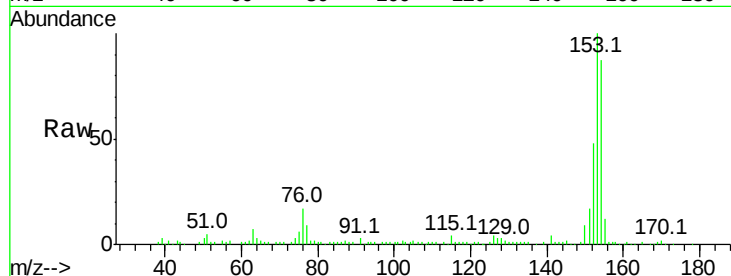
Tot Ion:154 Resp: 75919

Ion Ratio Lower Upper

154 100

153 115.0 90.5 135.7

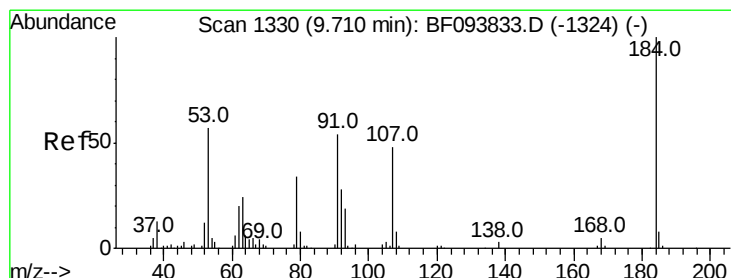
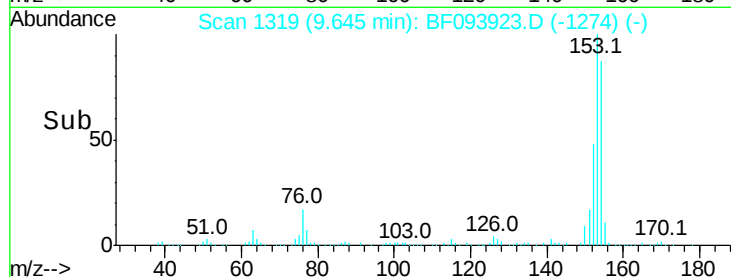
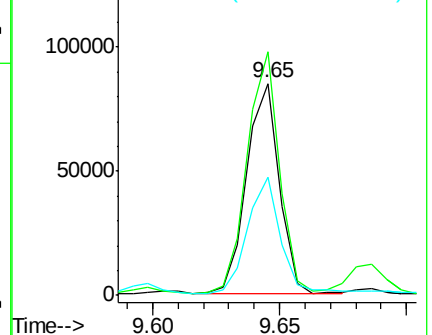
152 55.7 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.70 ng

RT: 9.69 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

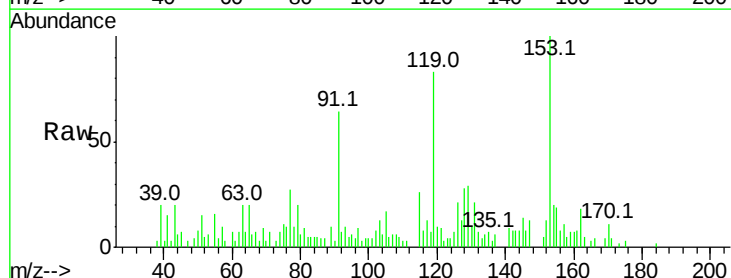
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

63 835.2 62.7 94.1#

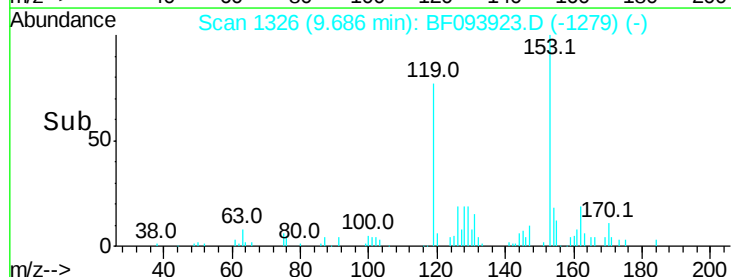
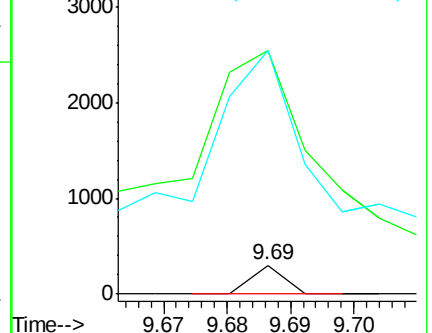
154 836.2 81.1 121.7#

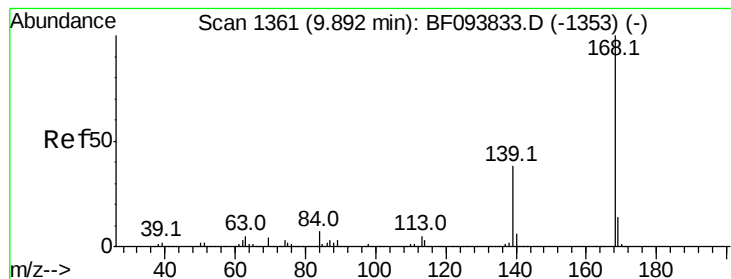


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 4.88 ng

RT: 9.86 min Scan# 1355

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

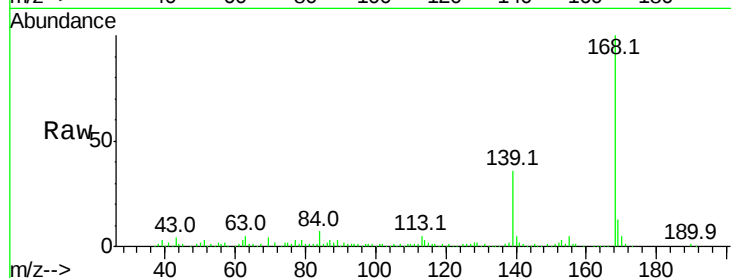
Tot Ion:168 Resp: 126532

Ion Ratio Lower Upper

168 100

139 35.9 30.6 45.8

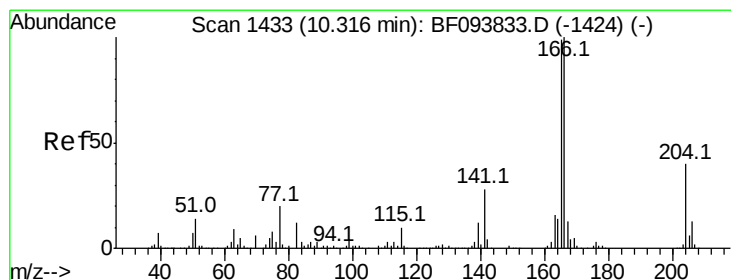
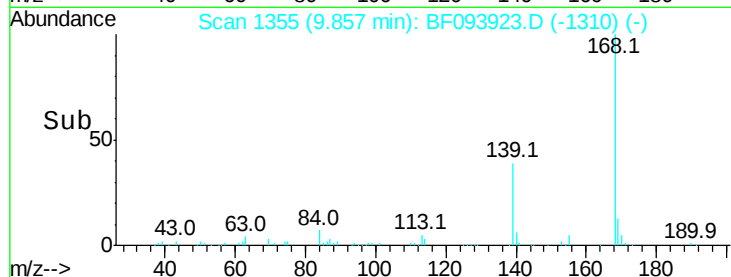
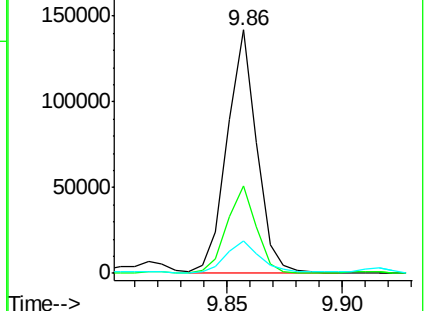
169 13.4 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 6.58 ng

RT: 10.28 min Scan# 1427

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

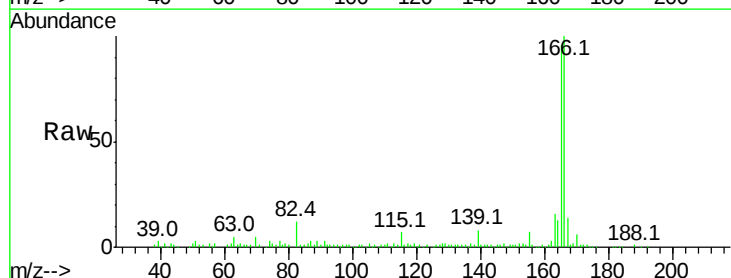
Tgt Ion:166 Resp: 141639

Ion Ratio Lower Upper

166 100

165 96.4 78.8 118.2

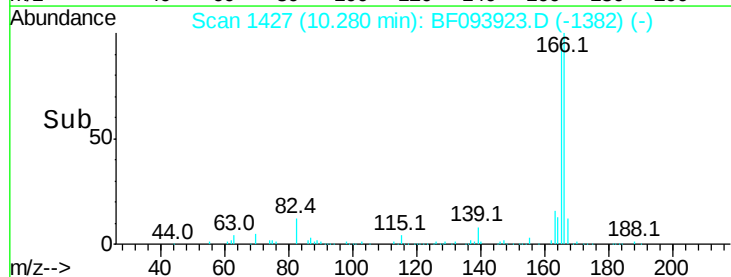
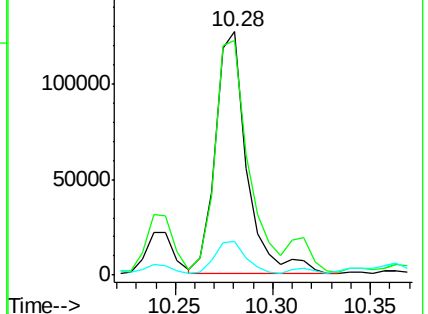
167 13.8 10.6 16.0

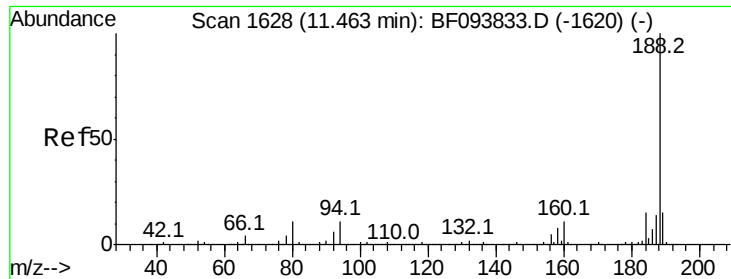


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

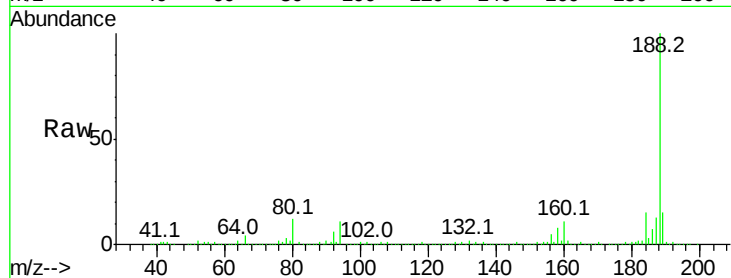




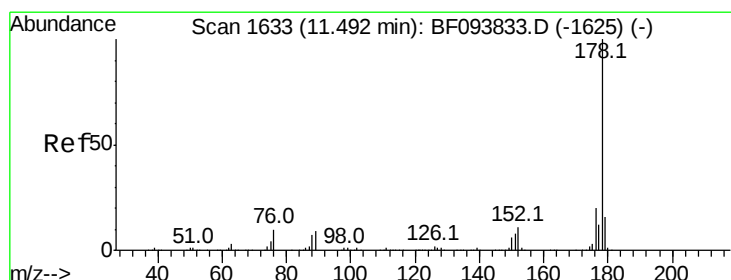
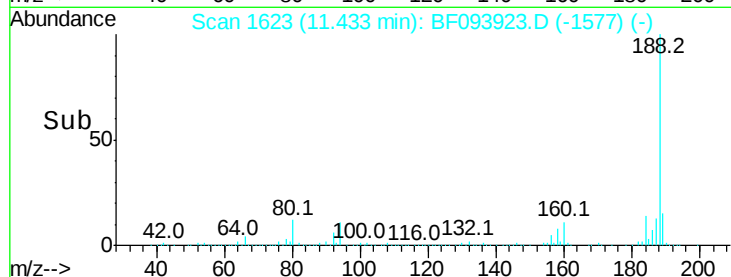
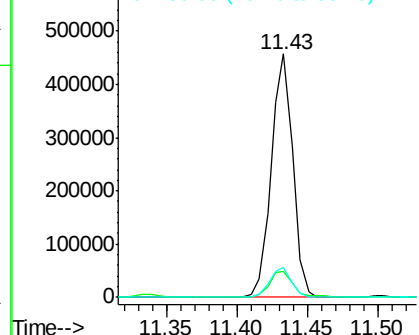
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF093923.D
Acq: 24 Mar 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-R14-BASE

Tot Ion:188 Resp: 490991
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 12.1 10.2 15.2

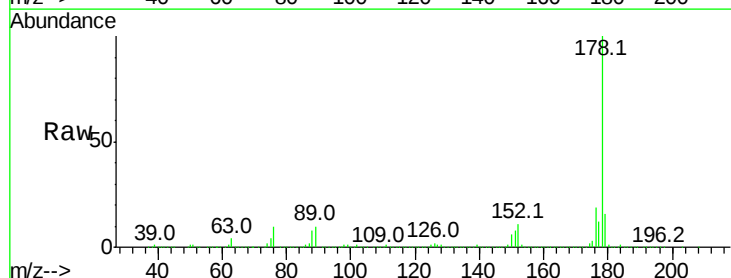


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

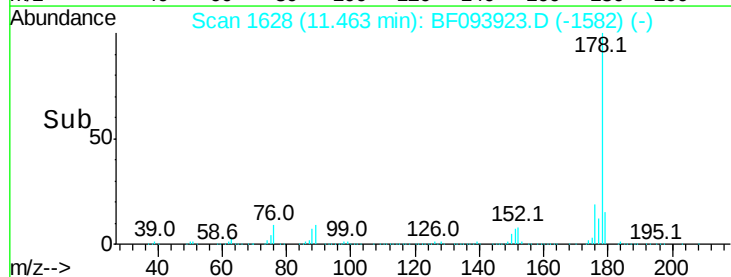
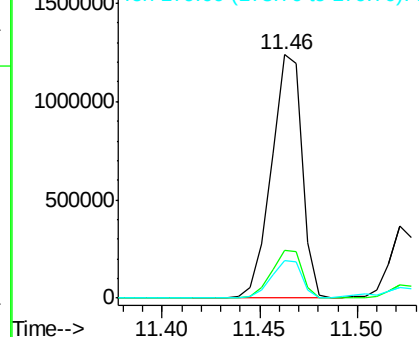


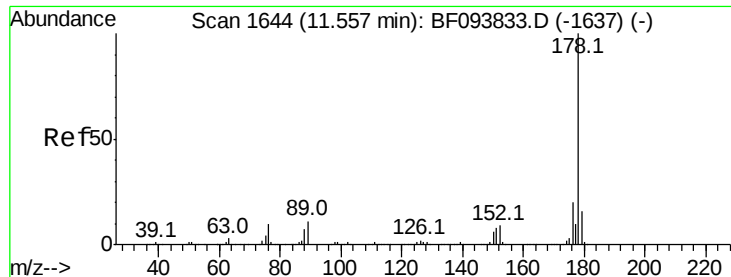
#70
Phenanthrene
Concen: 49.42 ng
RT: 11.46 min Scan# 1628
Delta R.T. -0.03 min
Lab File: BF093923.D
Acq: 24 Mar 2017 22:57

Tgt Ion:178 Resp: 1349695
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

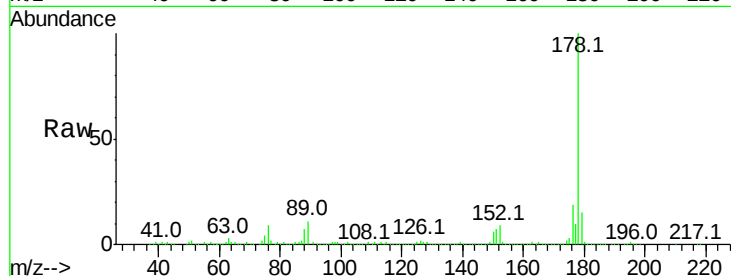




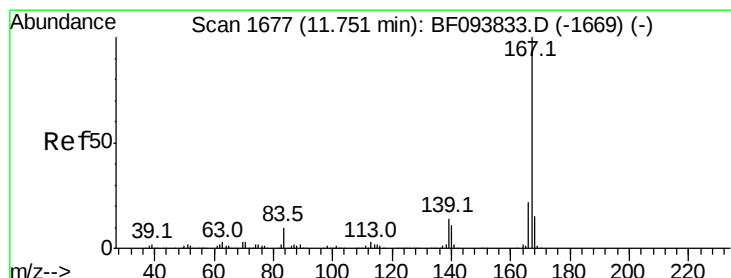
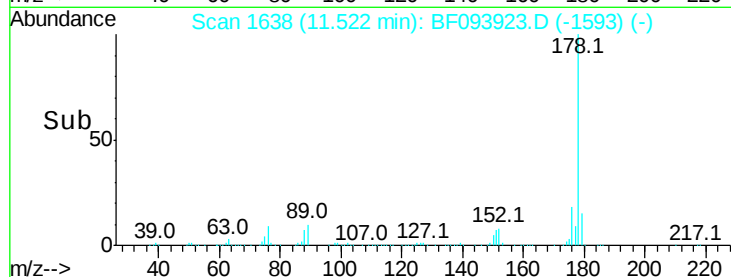
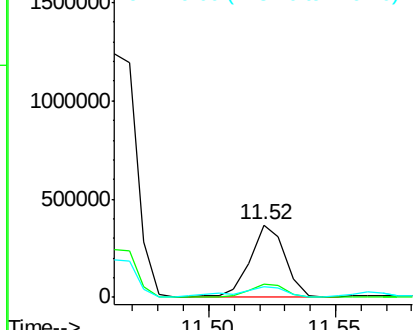
#71
 Anthracene
 Concen: 12.48 ng
 RT: 11.52 min Scan# 1638
 Delta R.T. -0.04 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-BASE

Tot Ion:178 Resp: 351106
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.4 12.7 19.1

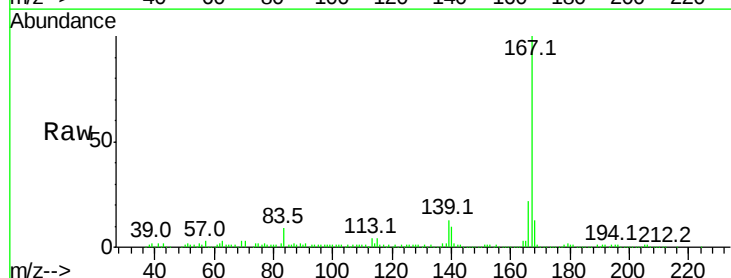


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

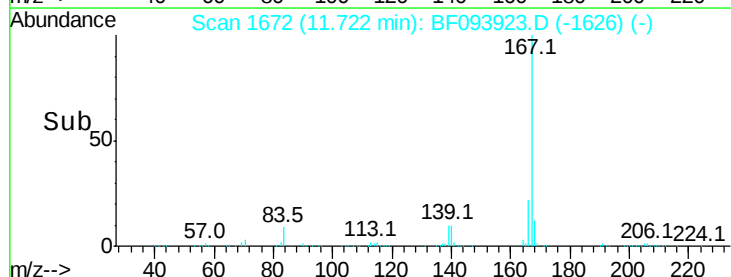
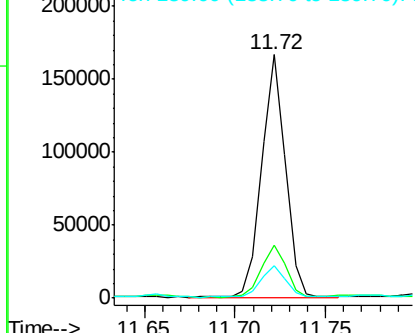


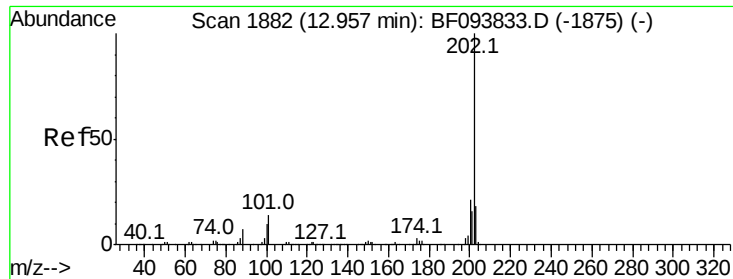
#72
 Carbazole
 Concen: 5.26 ng
 RT: 11.72 min Scan# 1672
 Delta R.T. -0.03 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

Tgt Ion:167 Resp: 151682
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 13.3 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 49.78 ng

RT: 12.93 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

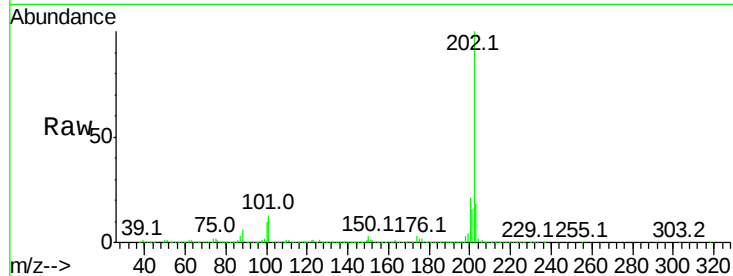
Tot Ion:202 Resp: 1392332

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

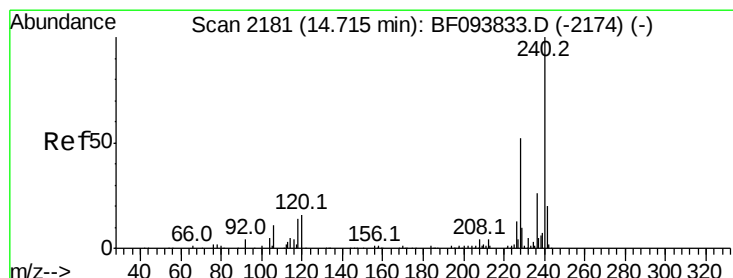
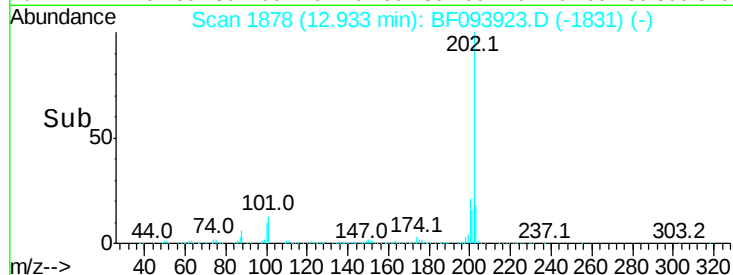
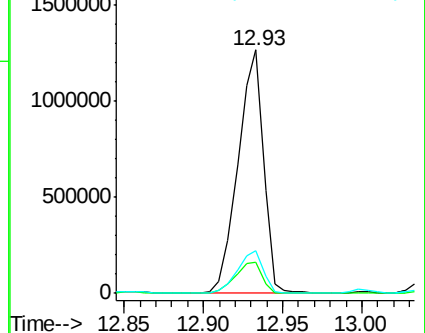
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

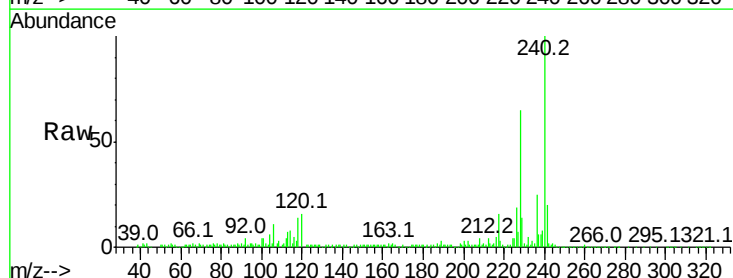
Tgt Ion:240 Resp: 305208

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

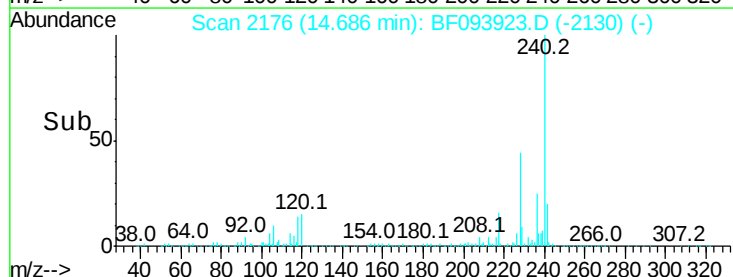
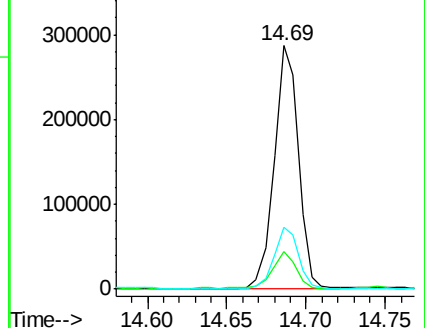
236 25.5 20.5 30.7

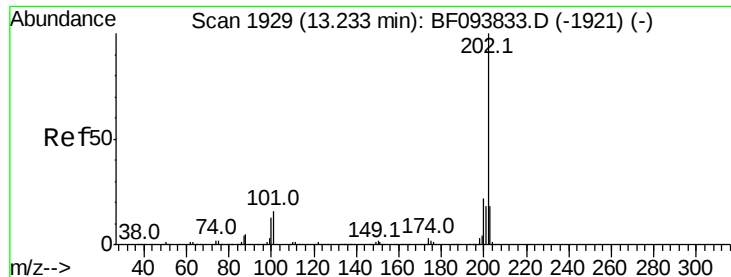


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 59.42 ng

RT: 13.21 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

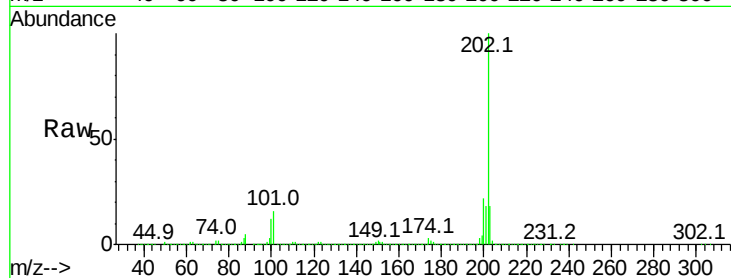
BNA_F

ClientSampleId :

E2-R14-BASE

Tot Ion:202 Resp: 1316115

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	17.9	14.4	21.6

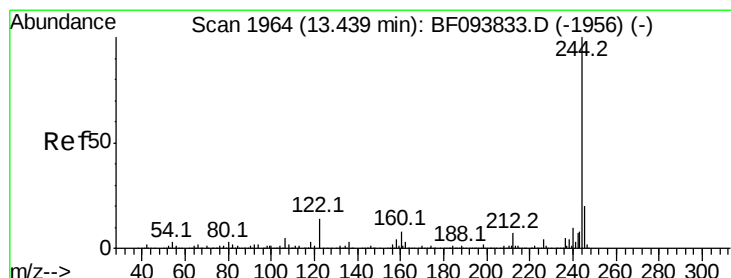
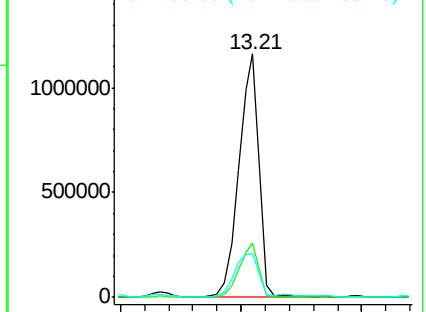
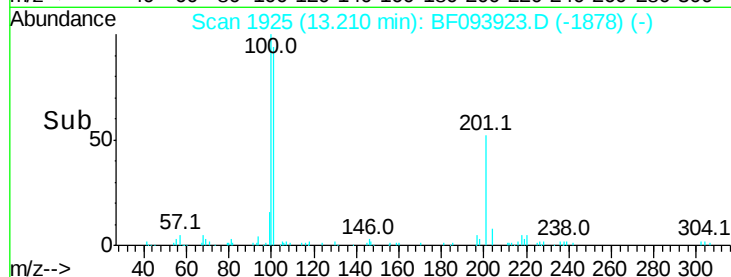


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.92 ng

RT: 13.41 min Scan# 1959

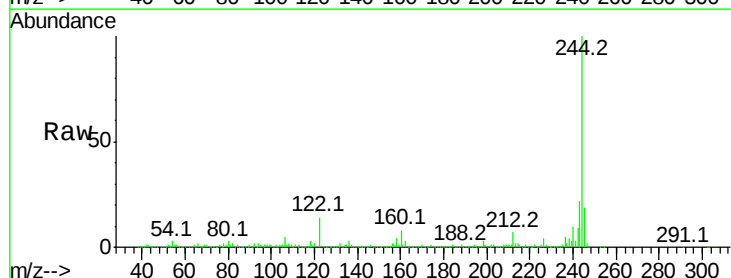
Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Tgt Ion:244 Resp: 829525

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.0	10.3	15.5

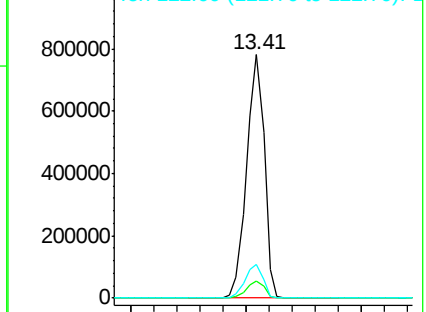
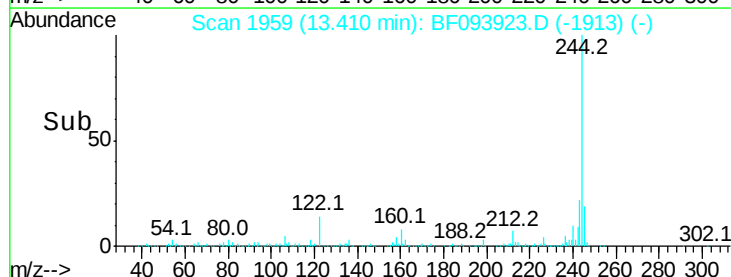


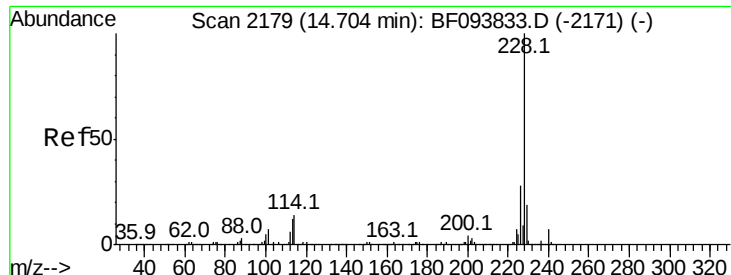
Abundance

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





#80

Benzo(a)anthracene

Concen: 32.20 ng

RT: 14.72 min Scan# 2182

Delta R.T. 0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

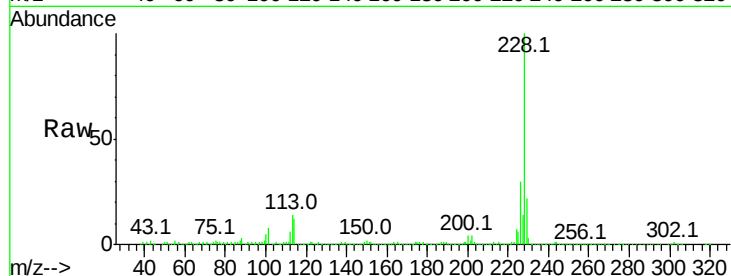
Tot Ion:228 Resp: 573123

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

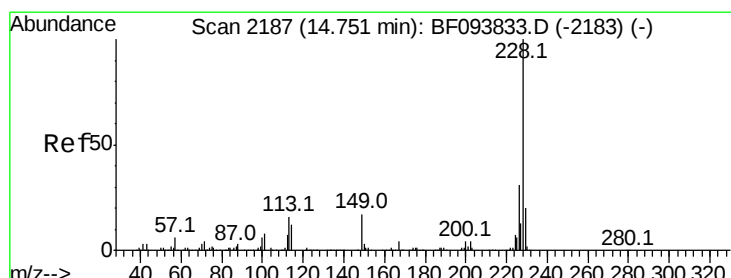
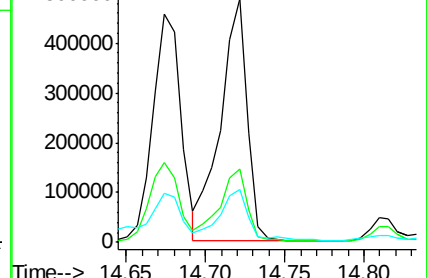
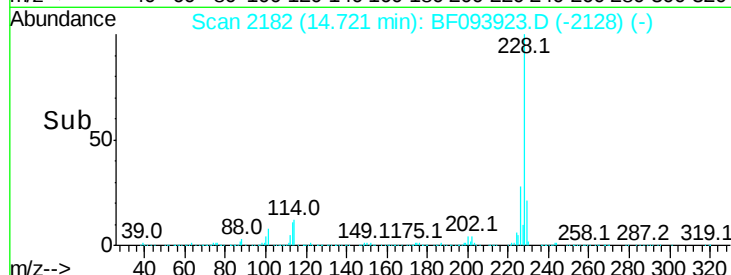
229 21.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 34.70 ng

RT: 14.72 min Scan# 2182

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

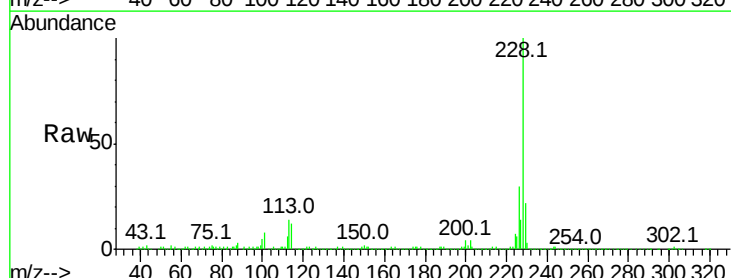
Tgt Ion:228 Resp: 573123

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

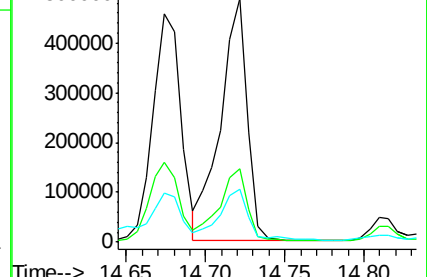
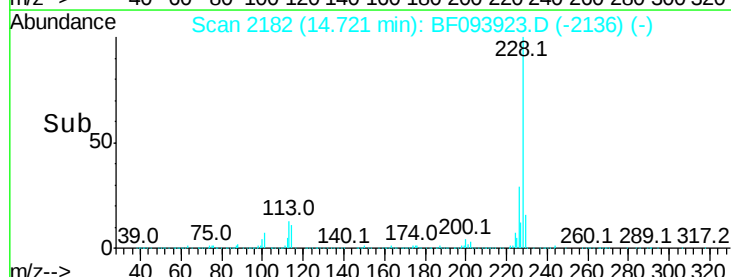
229 21.9 15.8 23.6

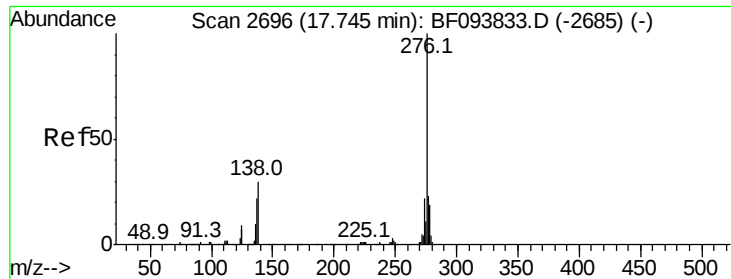


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

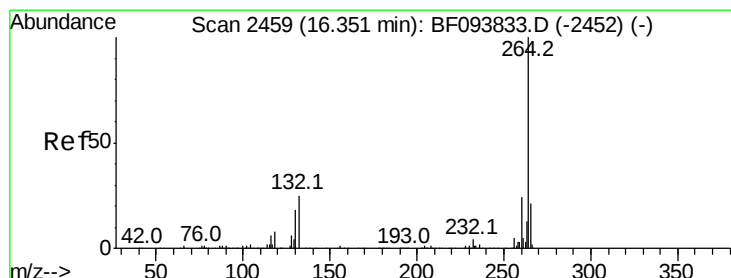
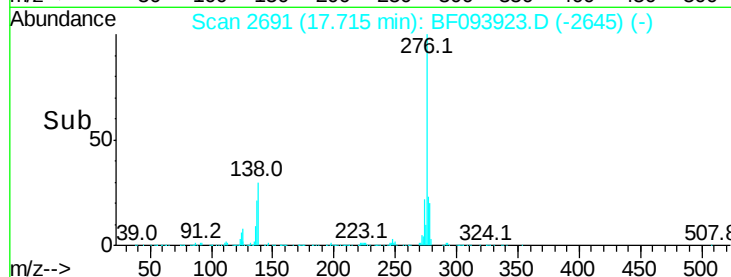
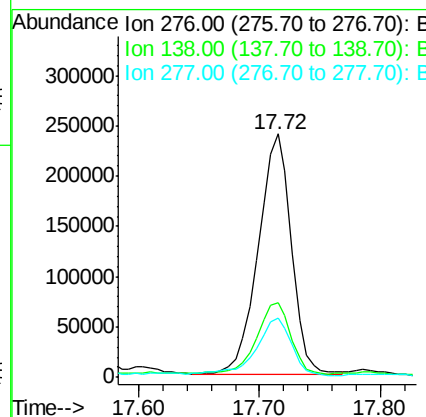
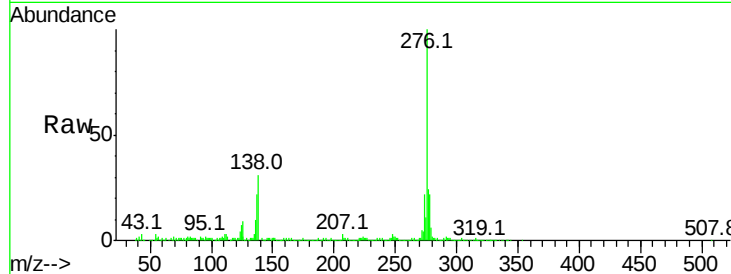




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.05 ng
 RT: 17.72 min Scan# 2691
 Delta R.T. -0.03 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

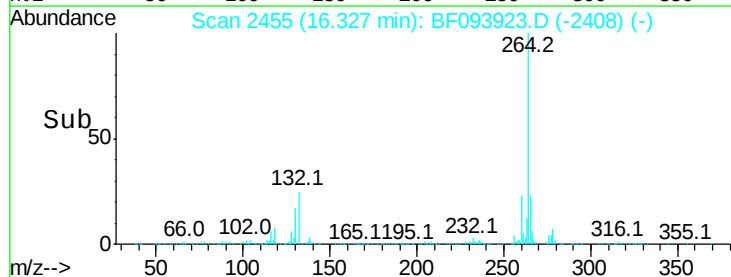
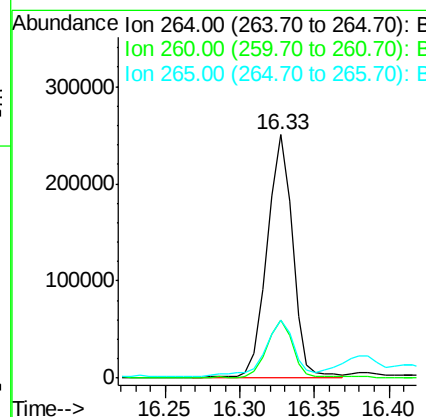
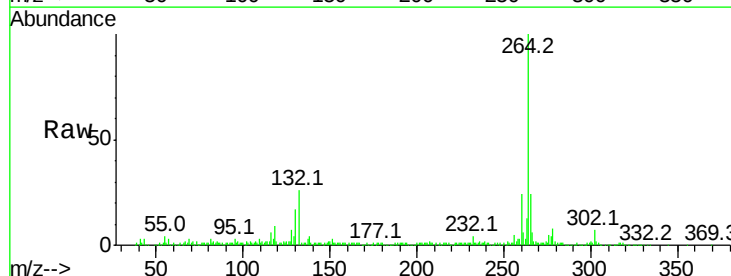
Instrument :
 BNA_F
 ClientSampleId :
 E2-R14-BASE

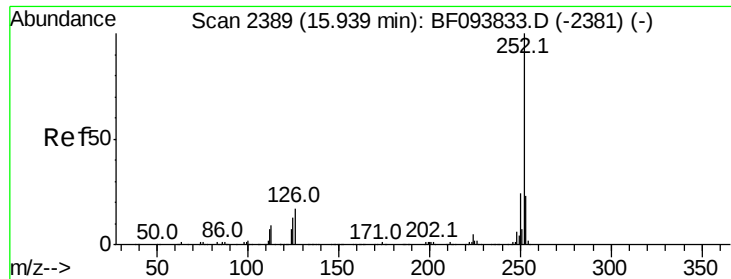
Tot Ion:276 Resp: 458392
 Ion Ratio Lower Upper
 276 100
 138 30.9 27.8 41.6
 277 25.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.33 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BF093923.D
 Acq: 24 Mar 2017 22:57

Tgt Ion:264 Resp: 294389
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 23.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 56.25 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

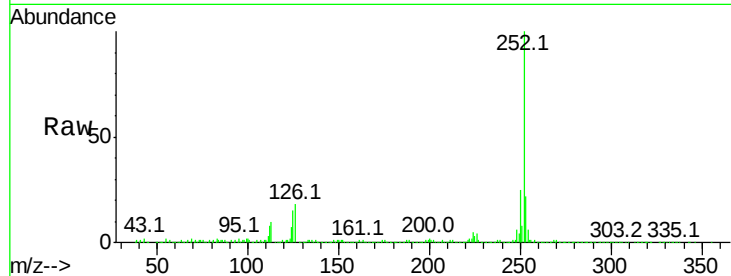
Tot Ion:252 Resp: 1015054

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

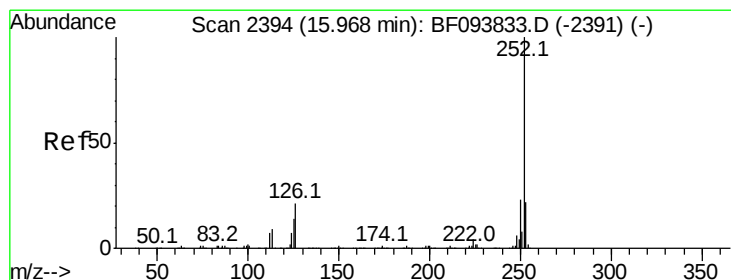
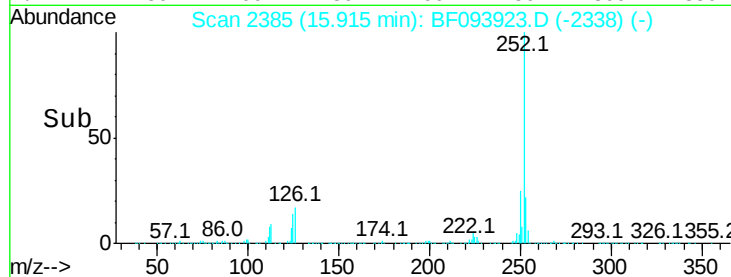
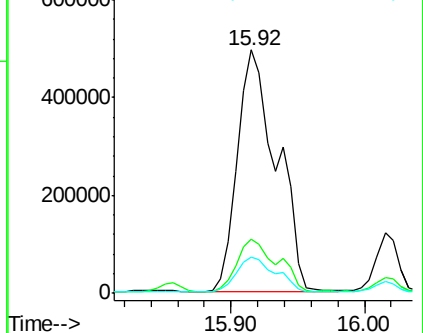
125 14.7 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 57.49 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.05 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

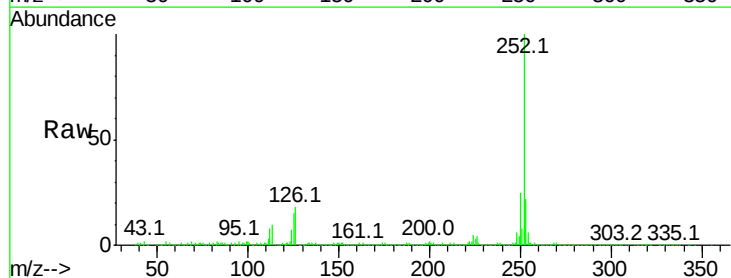
Tgt Ion:252 Resp: 1015054

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

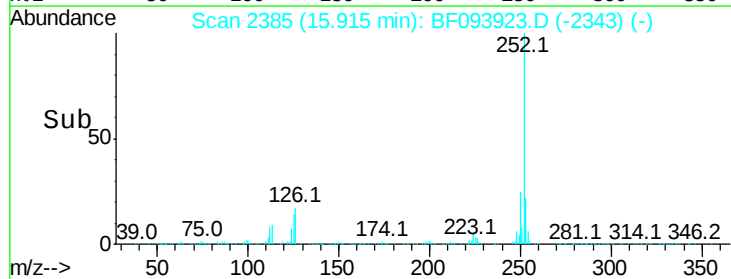
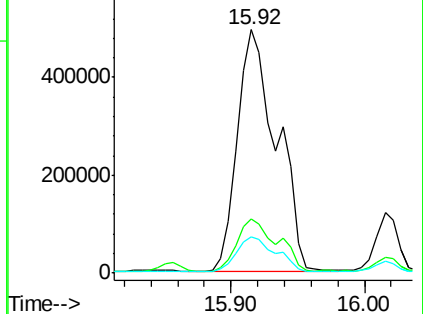
125 14.7 13.1 19.7

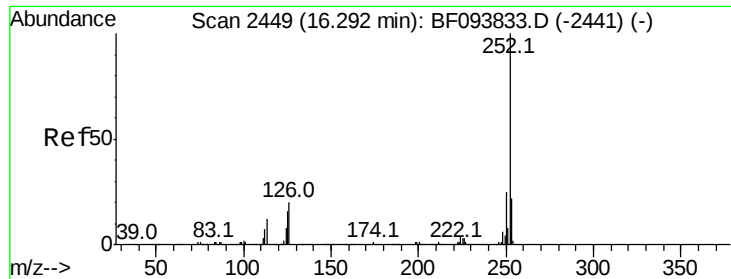


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 36.50 ng

RT: 16.27 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

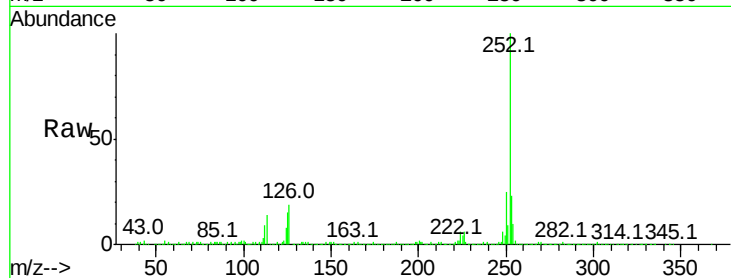
Tot Ion:252 Resp: 606509

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

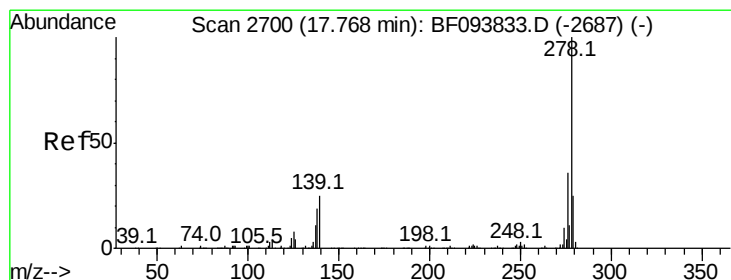
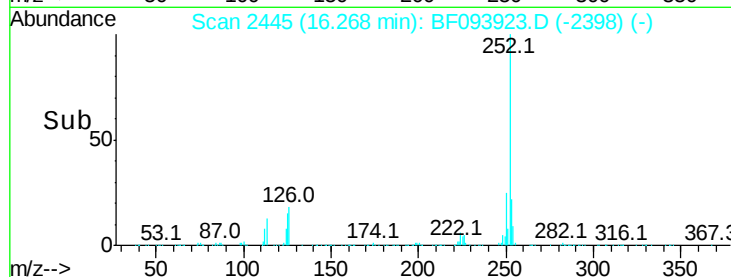
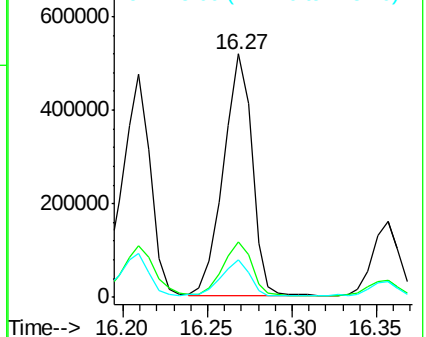
125 15.4 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 8.17 ng

RT: 17.73 min Scan# 2693

Delta R.T. -0.04 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

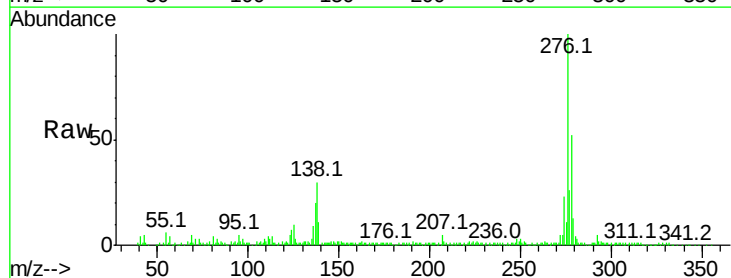
Tgt Ion:278 Resp: 114939

Ion Ratio Lower Upper

278 100

139 21.3 16.6 24.8

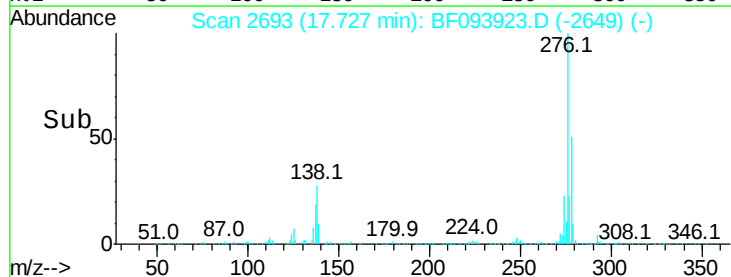
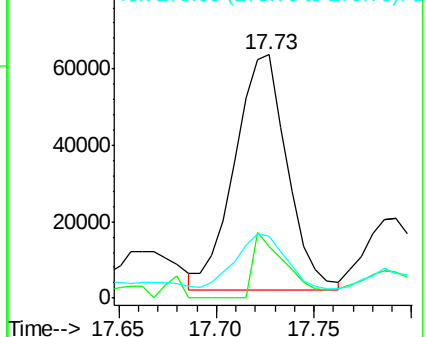
279 25.6 19.3 28.9

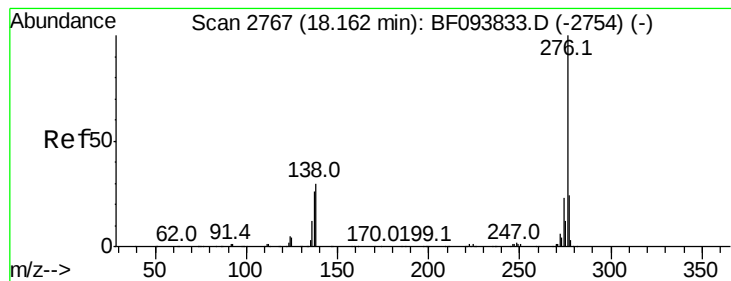


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 45.64 ng

RT: 18.13 min Scan# 2762

Delta R.T. -0.03 min

Lab File: BF093923.D

Acq: 24 Mar 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-R14-BASE

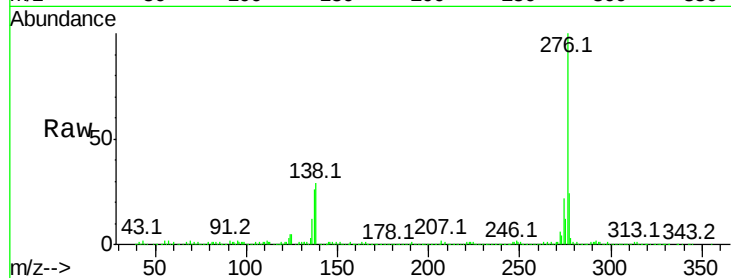
Tot Ion:276 Resp: 647266

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 29.3 25.4 38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

