

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094032.D
 Acq On : 29 Mar 2017 21:34
 Operator : SJ/MA
 Sample : I2431-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-BASE

Quant Time: Mar 30 01:11:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

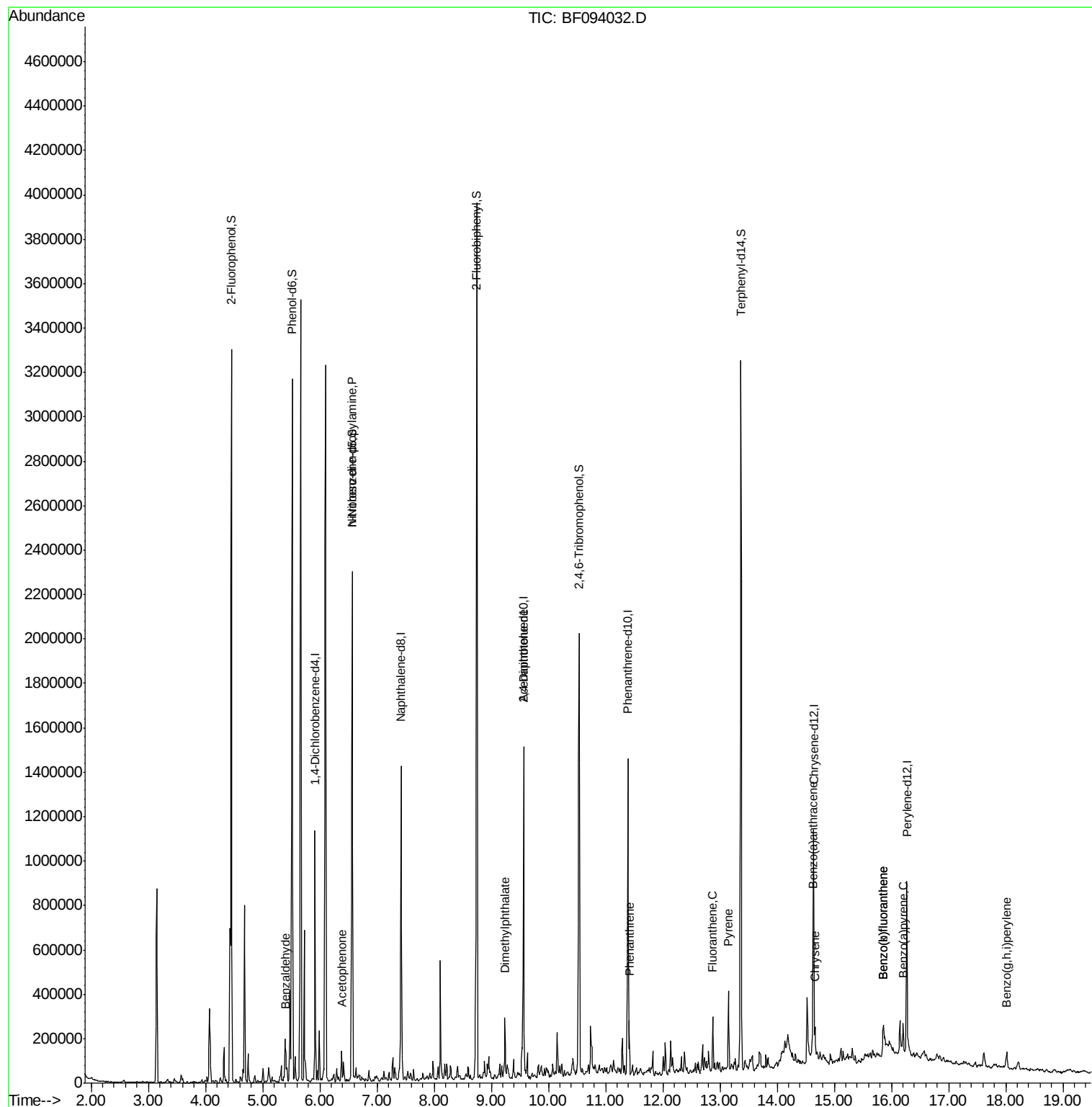
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	178736	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	714662	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	319000	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	543836	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	395716	20.00	ng	-0.04
86) Perylene-d12	16.27	264	301134	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1092610	103.25	ng	-0.02
7) Phenol-d6	5.52	99	1425284	108.87	ng	-0.03
23) Nitrobenzene-d5	6.57	82	939553	75.03	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	265732	105.42	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1622230	77.57	ng	-0.04
78) Terphenyl-d14	13.37	244	1213359	68.73	ng	-0.04
Target Compounds						Qvalue
9) Benzaldehyde	5.41	77	20307	2.30	ng	90
19) n-Nitroso-di-n-propylamine	6.57	70	127339	15.13	ng	# 78
22) Acetophenone	6.38	105	36197	2.27	ng	# 81
49) Dimethylphthalate	9.24	163	112145	4.95	ng	98
56) 2,4-Dinitrotoluene	9.56	165	42102	6.45	ng	# 33
70) Phenanthrene	11.41	178	90641	3.00	ng	95
74) Fluoranthene	12.87	202	104895	3.39	ng	97
77) Pyrene	13.15	202	139226	4.85	ng	98
80) Benzo(a)anthracene	14.62	228	56793	2.46	ng	# 86
82) Chrysene	14.67	228	67668	3.16	ng	# 95
87) Benzo(b)fluoranthene	15.86	252	87845	4.76	ng	# 95
88) Benzo(k)fluoranthene	15.86	252	87845	4.86	ng	99
89) Benzo(a)pyrene	16.20	252	56250	3.31	ng	# 96
91) Benzo(a,h,i)perylene	18.02	276	51630	3.56	ng	99

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

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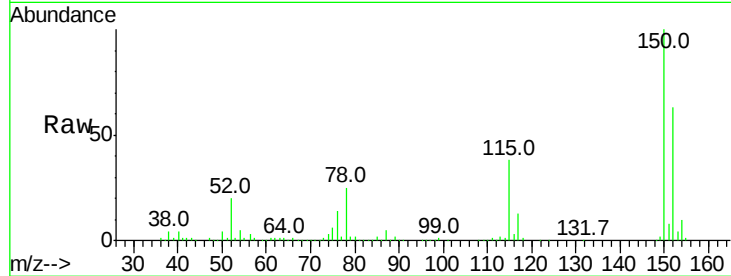


#1

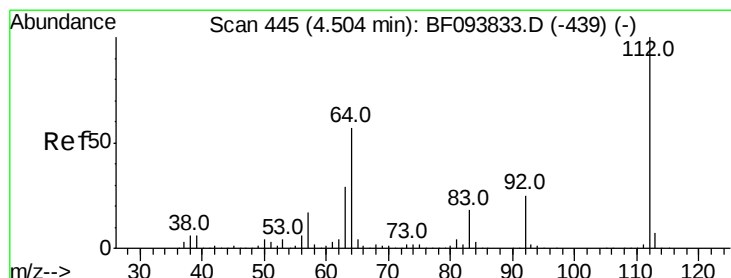
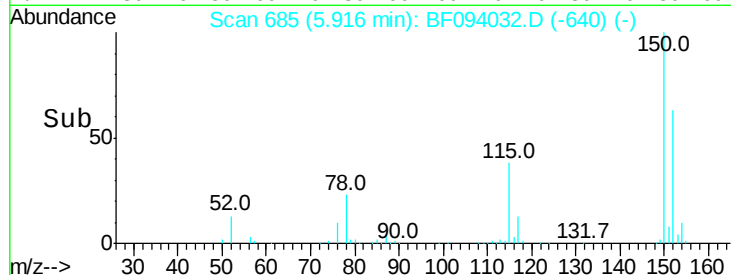
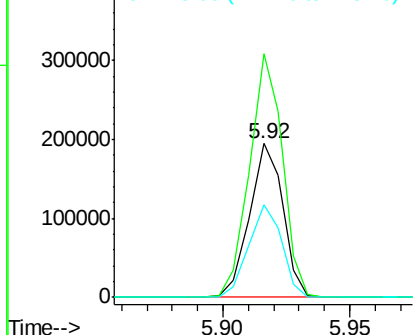
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 685
Delta R.T. -0.04 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
E2-T11-BASE

Tot Ion:152 Resp: 178736
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 60.3 52.2 78.2



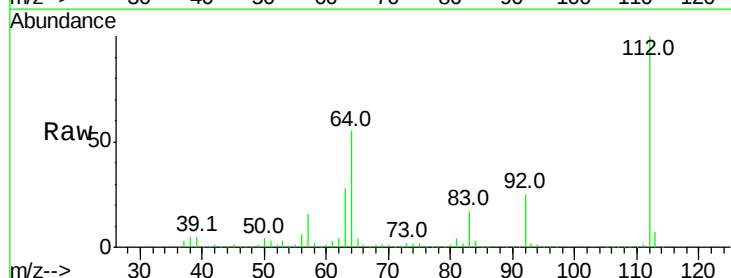
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



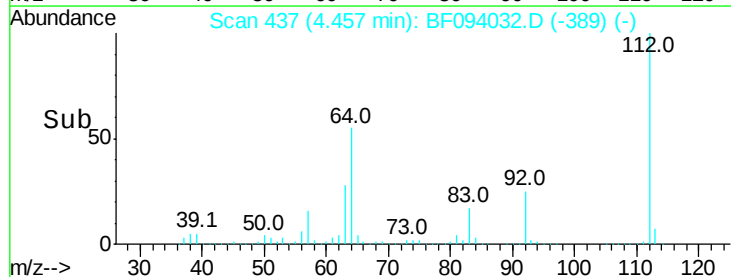
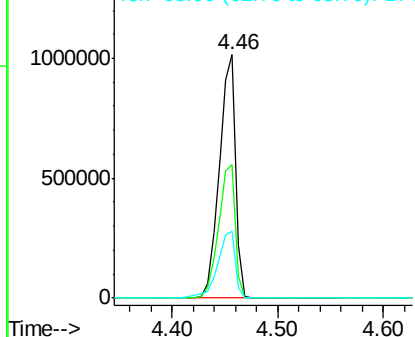
#5

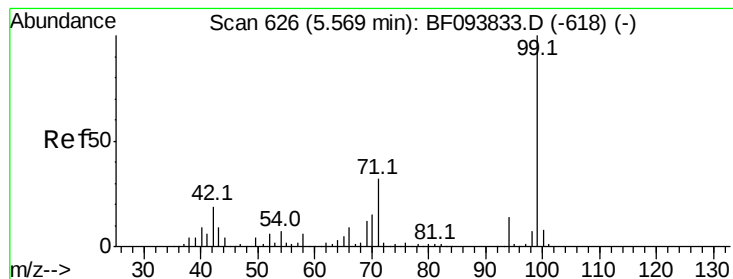
2-Fluorophenol
Concen: 103.25 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Tgt Ion:112 Resp: 1092610
Ion Ratio Lower Upper
112 100
64 55.0 46.0 69.0
63 27.6 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: 108.87 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

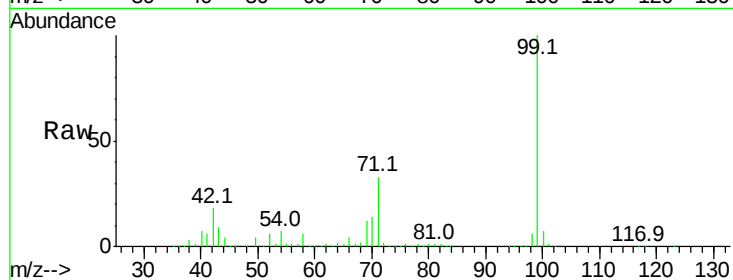
Tot Ion: 99 Resp: 1425284

Ion Ratio Lower Upper

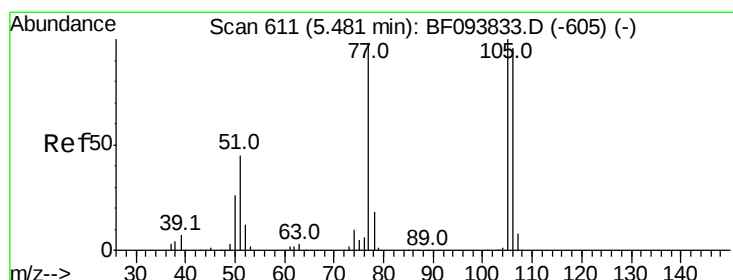
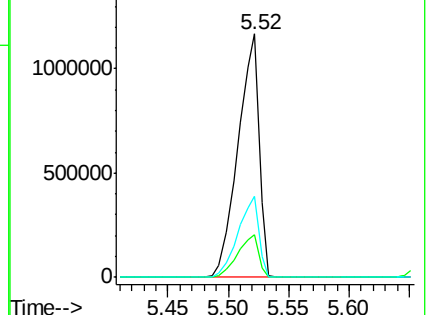
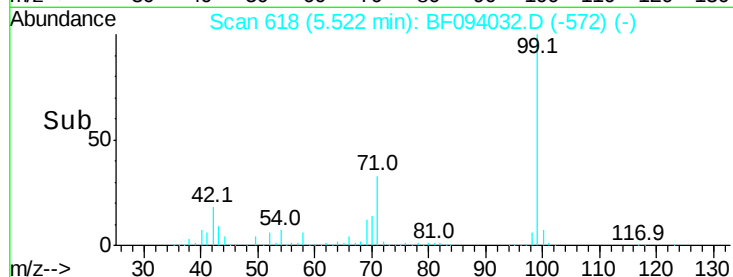
99 100

42 17.7 13.5 20.3

71 33.5 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: 2.30 ng

RT: 5.41 min Scan# 599

Delta R.T. -0.04 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

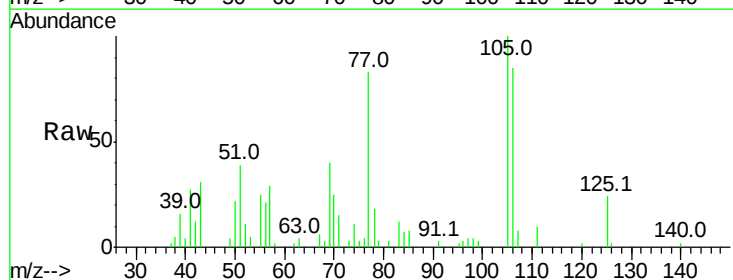
Tgt Ion: 77 Resp: 20307

Ion Ratio Lower Upper

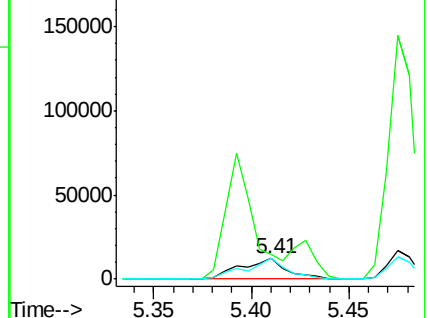
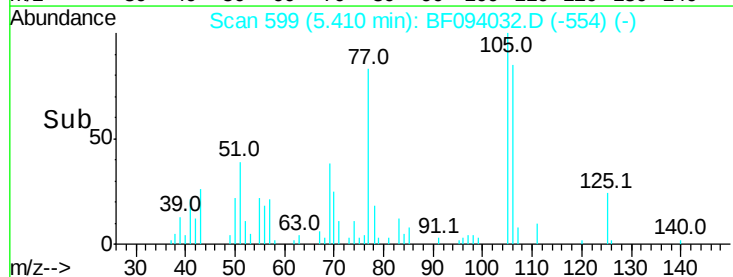
77 100

105 120.5 83.8 123.8

106 102.3 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





#19

n-Nitroso-di-n-propylamine

Concen: 15.13 ng

RT: 6.57 min Scan# 796

Delta R.T. 0.13 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

Tot Ion: 70 Resp: 127339

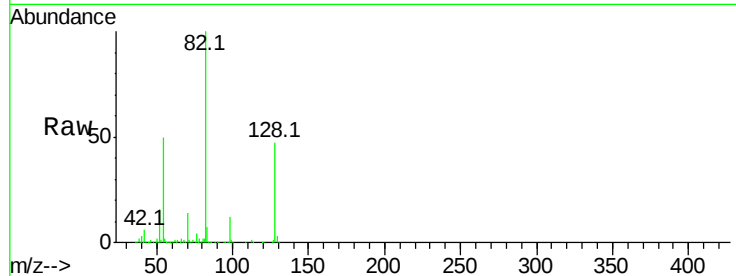
Ion Ratio Lower Upper

70 100

42 47.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

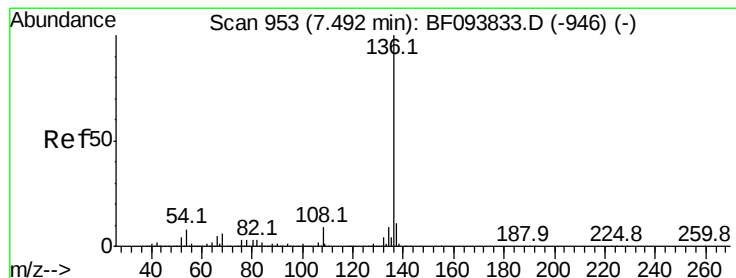
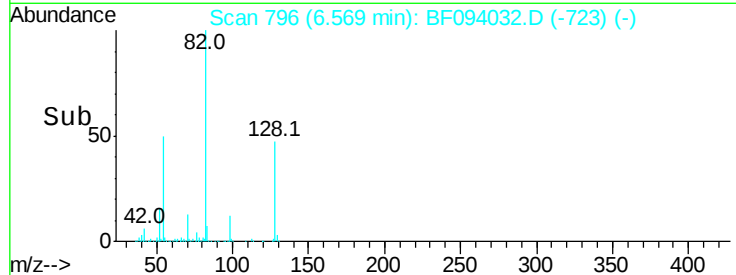
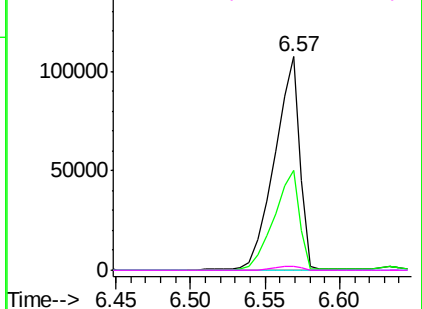


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Tgt Ion: 136 Resp: 714662

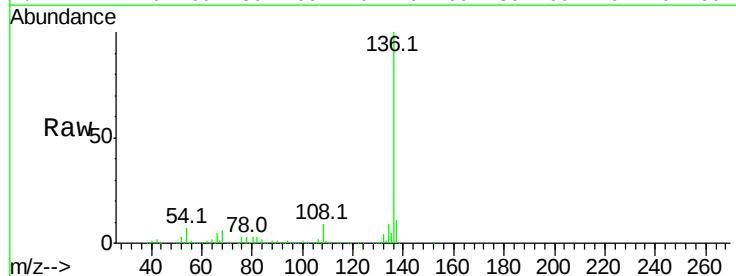
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1

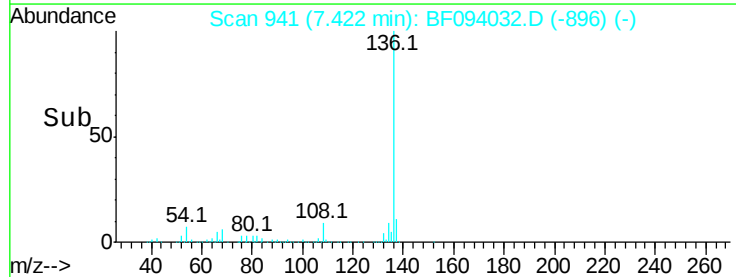
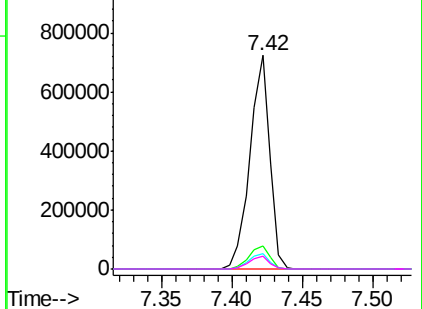


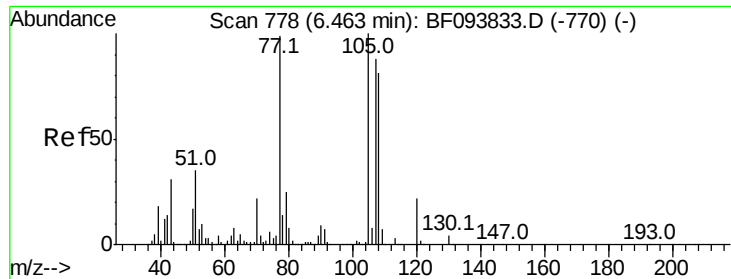
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 2.27 ng

RT: 6.38 min Scan# 764

Delta R.T. -0.05 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

Tot Ion:105 Resp: 36197

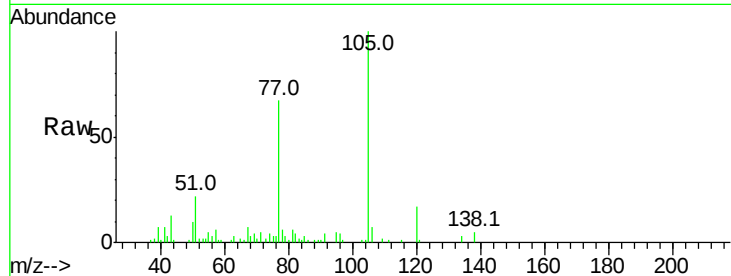
Ion Ratio Lower Upper

105 100

71 4.7 2.8 4.2#

51 22.3 30.7 46.1#

120 17.4 17.4 26.0

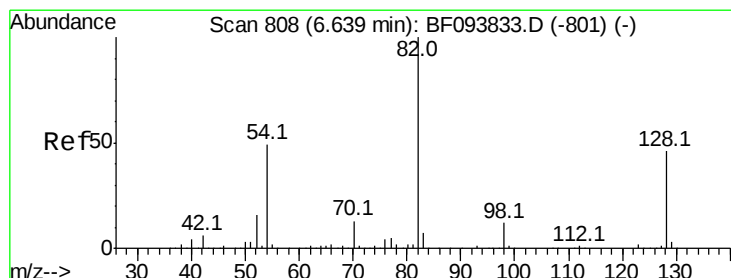
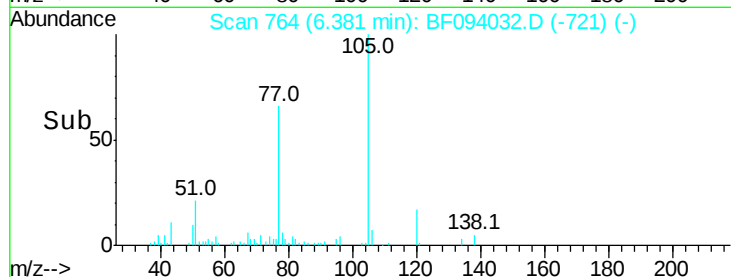
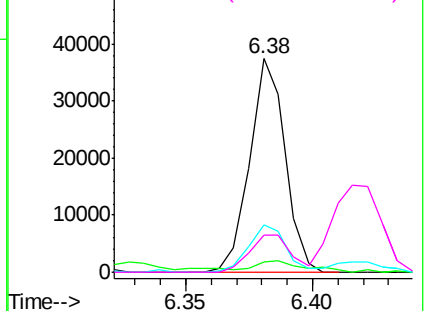


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 75.03 ng

RT: 6.57 min Scan# 796

Delta R.T. -0.04 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

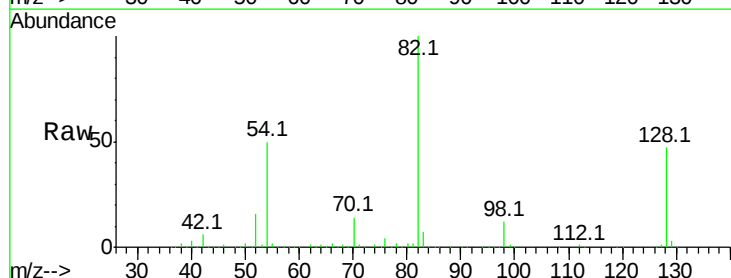
Tgt Ion: 82 Resp: 939553

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

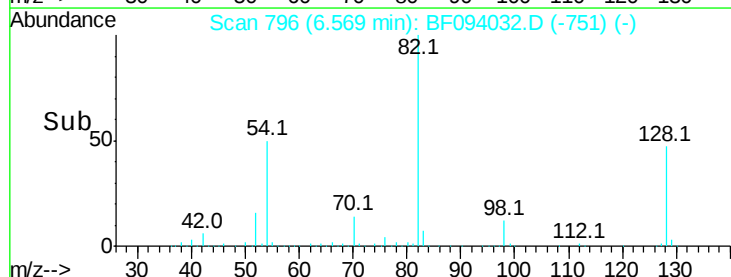
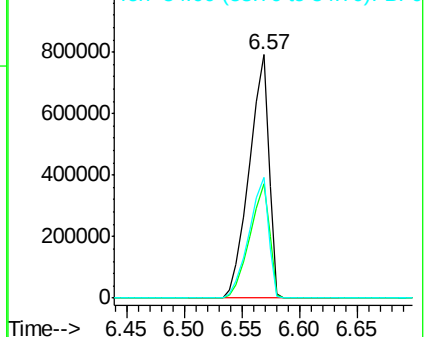
54 49.8 42.2 63.2

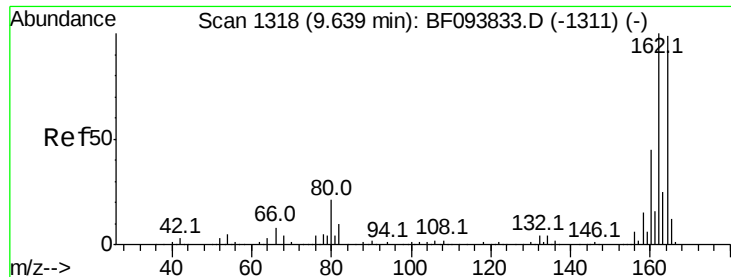


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

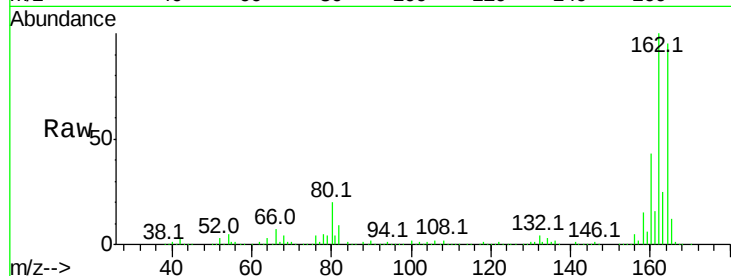




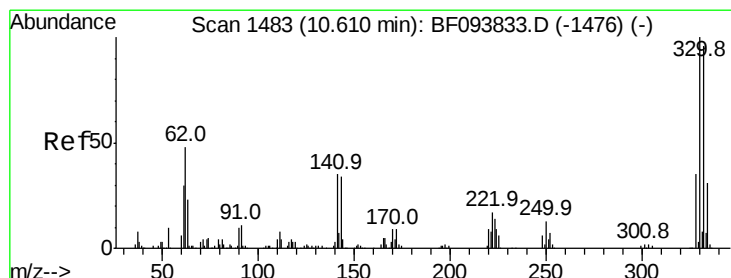
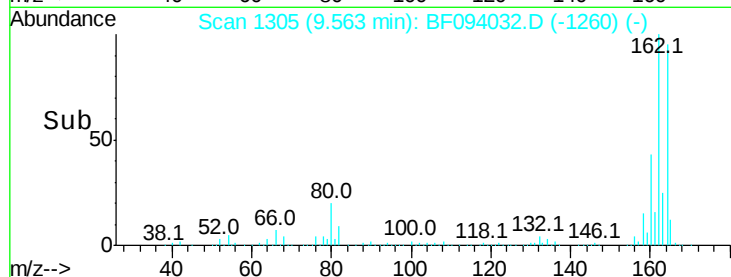
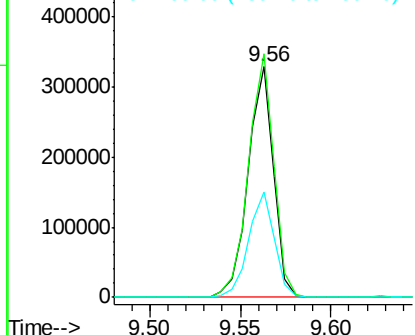
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.04 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-BASE

Tot Ion:164 Resp: 319000
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.6 123.8
 160 45.9 36.2 54.2

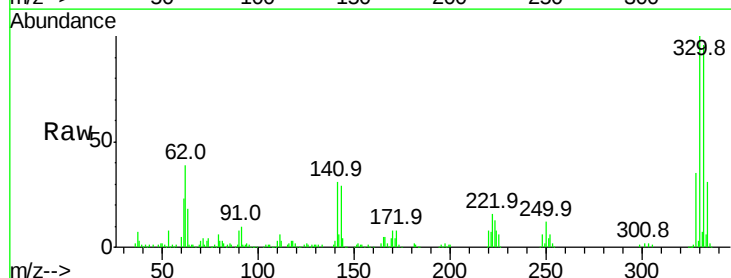


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

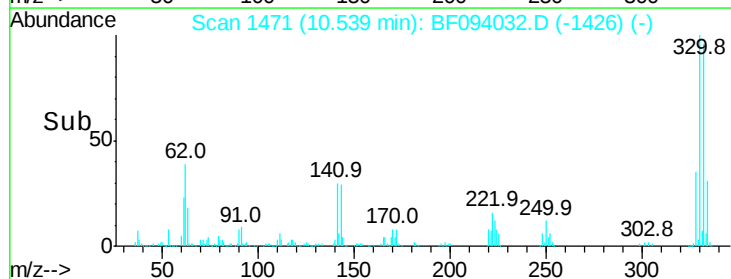
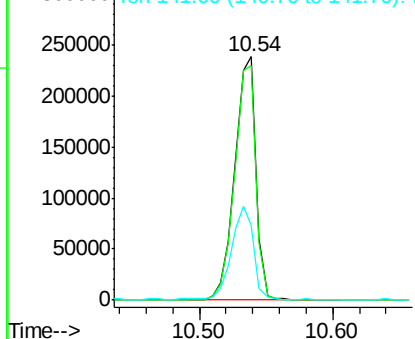


#41
 2,4,6-Tribromophenol
 Concen: 105.42 ng
 RT: 10.54 min Scan# 1471
 Delta R.T. -0.04 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

Tgt Ion:330 Resp: 265732
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 39.5 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

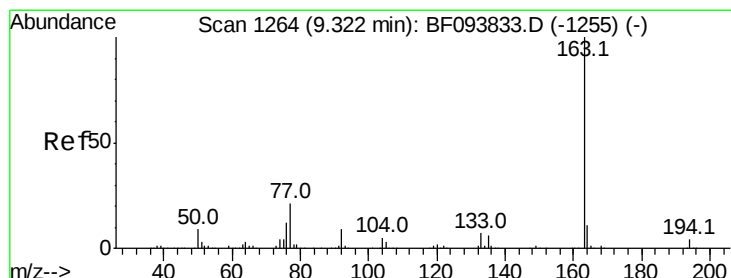
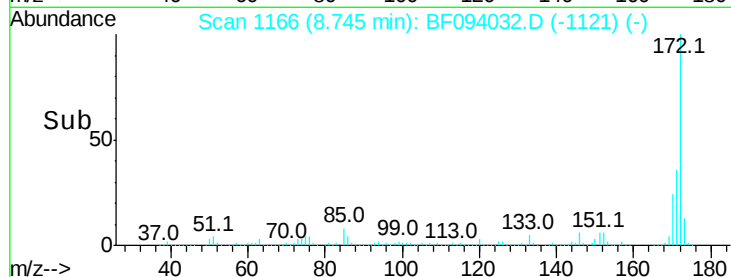
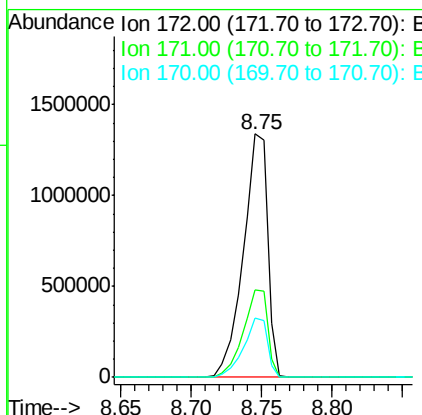
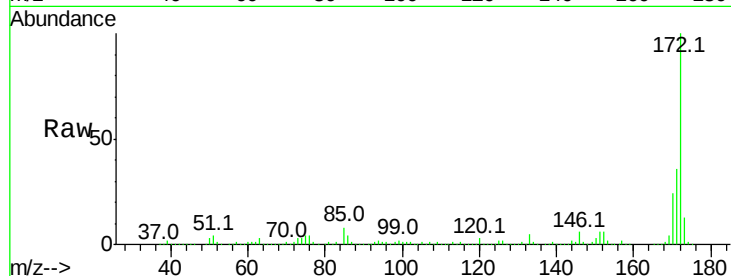




#44
2-Fluorobiphenyl
Concen: 77.57 ng
RT: 8.75 min Scan# 1166
Delta R.T. -0.04 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

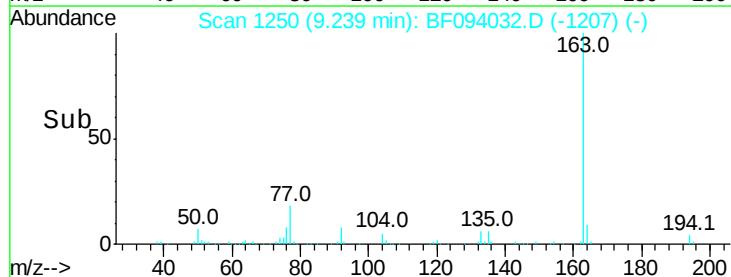
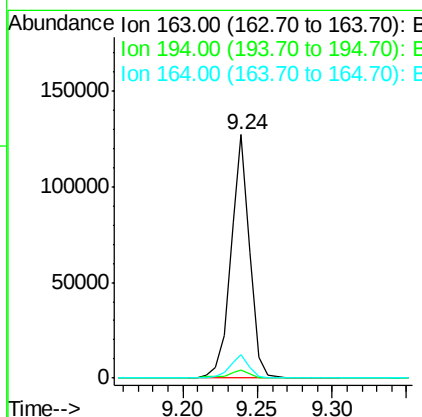
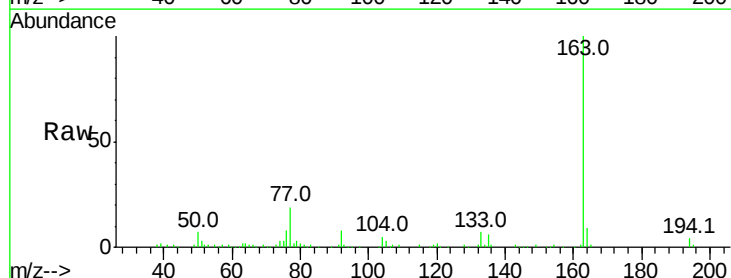
Instrument :
BNA_F
ClientSampleId :
E2-T11-BASE

Tot Ion:172 Resp: 1622230
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 4.95 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Tgt Ion:163 Resp: 112145
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.5 8.4 12.6

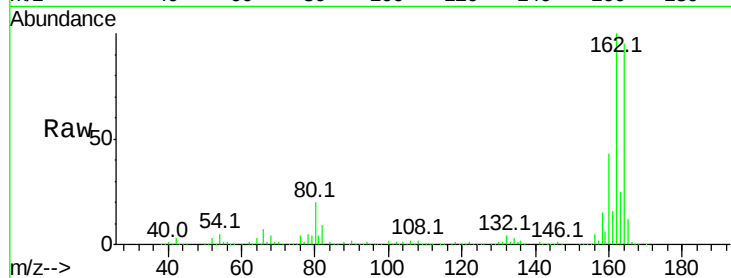




#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.28 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-T11-BASE

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

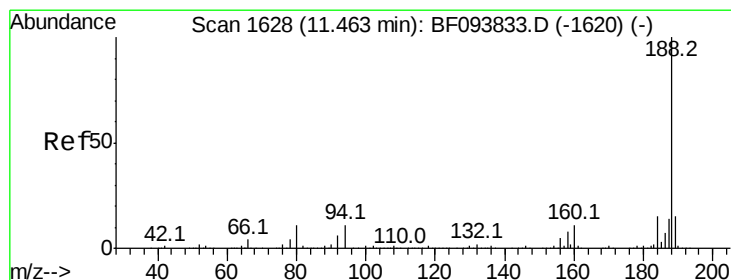
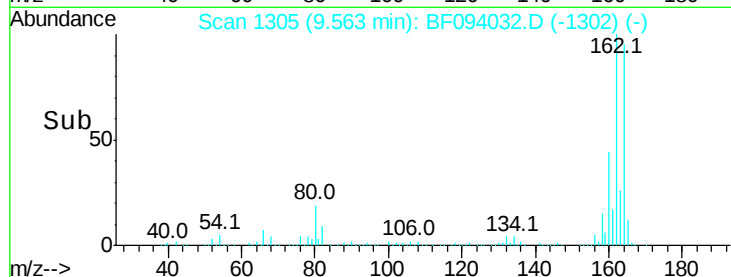
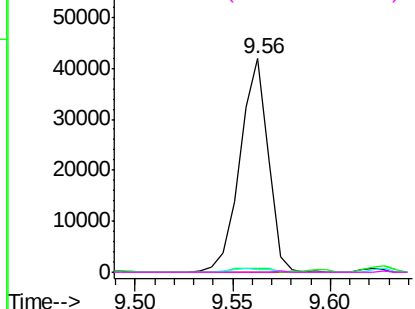


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

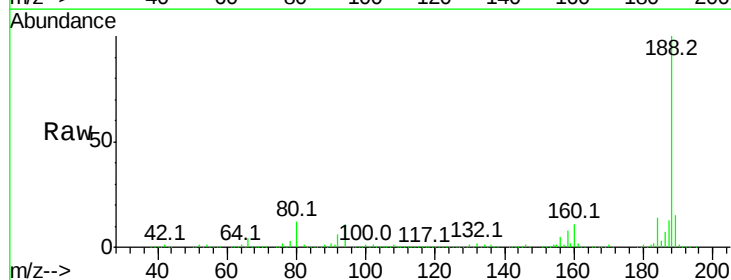
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.04 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

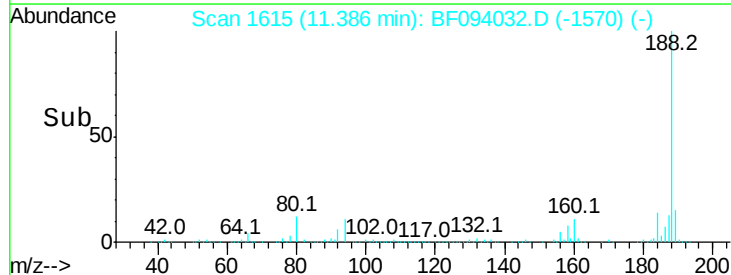
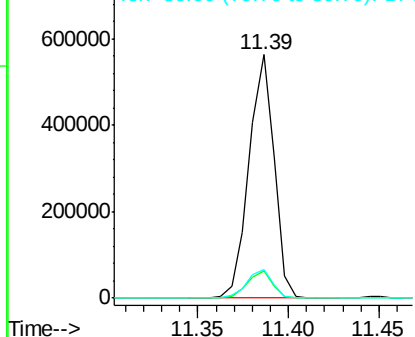
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.9	10.2	15.2

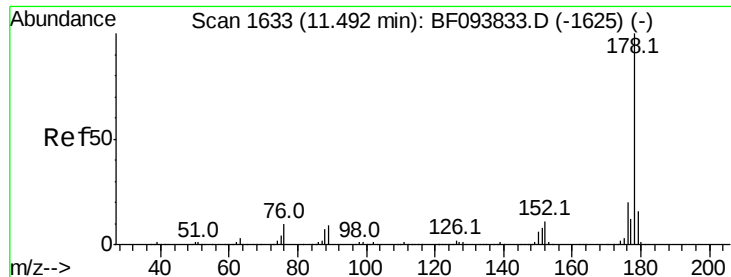


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.00 ng

RT: 11.41 min Scan# 1619

Delta R.T. -0.05 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

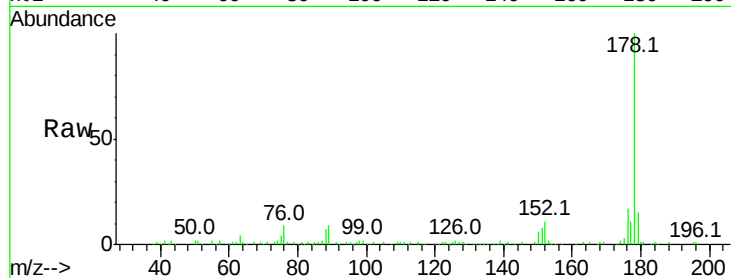
Tot Ion:178 Resp: 90641

Ion Ratio Lower Upper

178 100

176 17.1 16.2 24.4

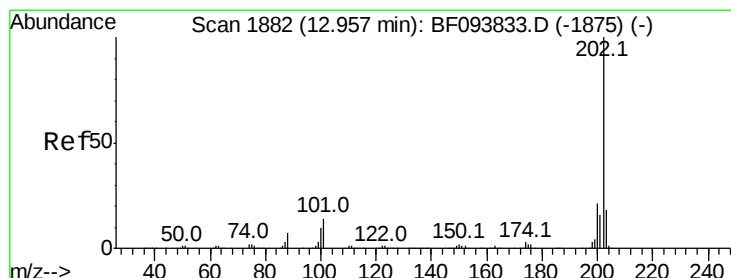
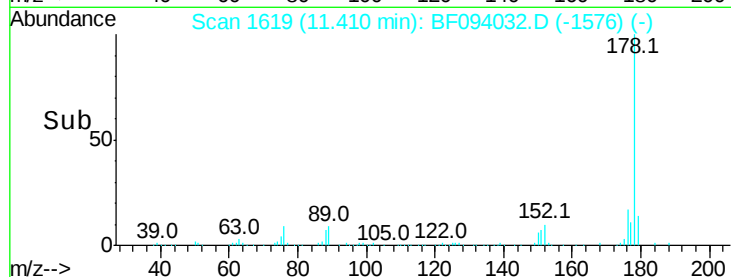
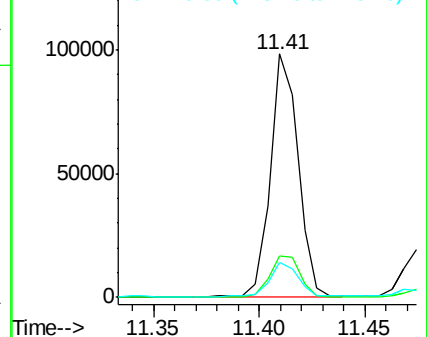
179 14.6 12.6 19.0



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



#74

Fluoranthene

Concen: 3.39 ng

RT: 12.87 min Scan# 1868

Delta R.T. -0.05 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

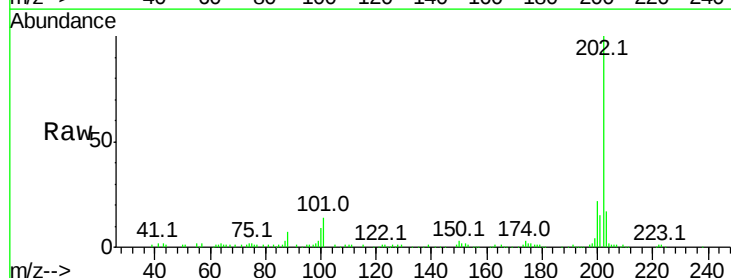
Tgt Ion:202 Resp: 104895

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

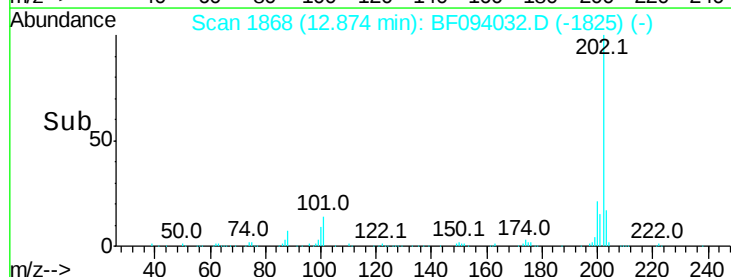
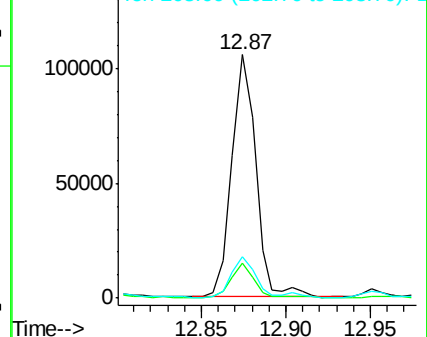
203 17.0 0.0 38.1

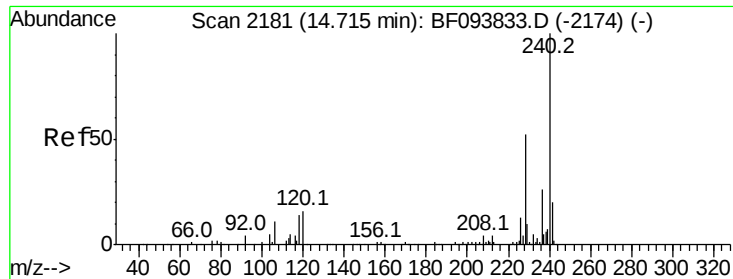


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.64 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

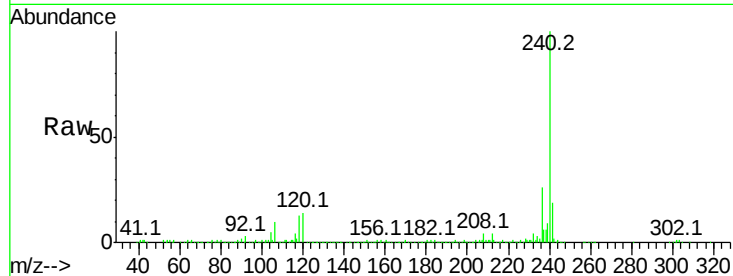
Tot Ion:240 Resp: 395716

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

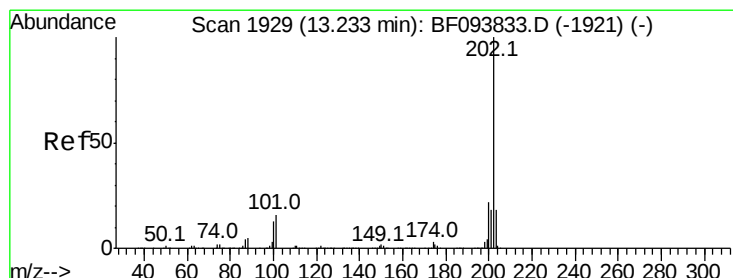
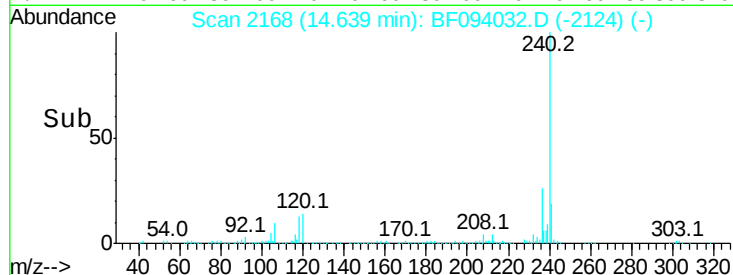
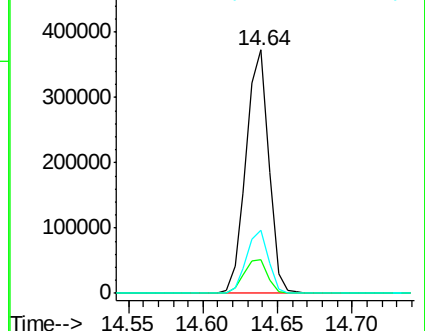
236 25.9 20.5 30.7



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

Pyrene

Concen: 4.85 ng

RT: 13.15 min Scan# 1915

Delta R.T. -0.05 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

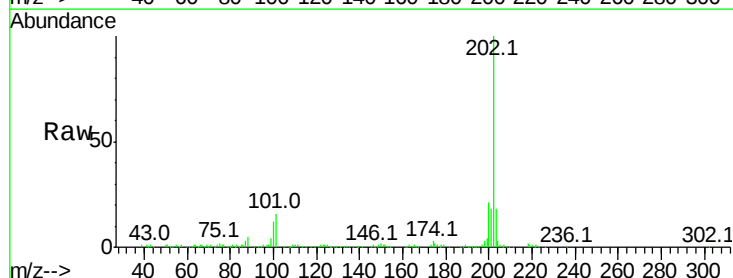
Tgt Ion:202 Resp: 139226

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

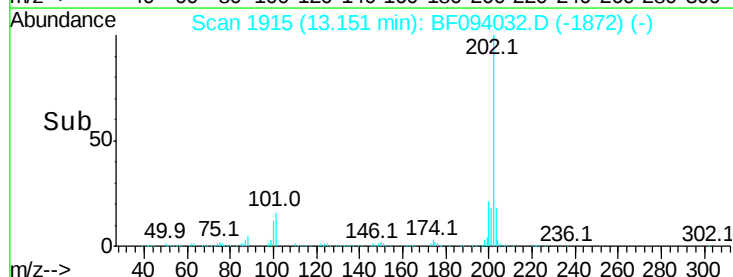
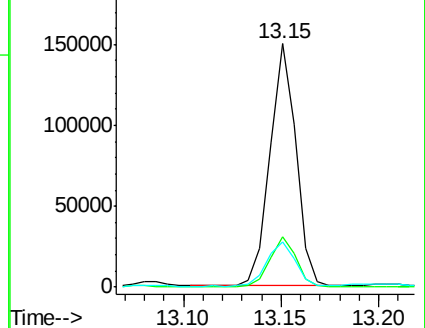
203 18.4 14.4 21.6

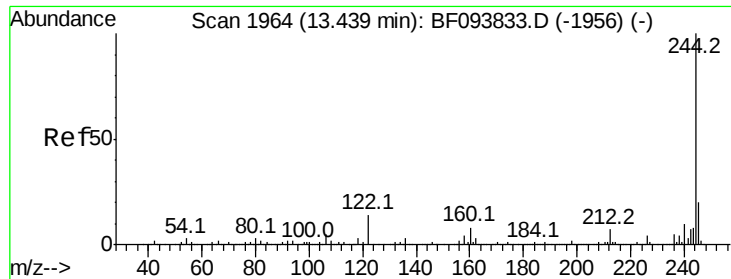


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

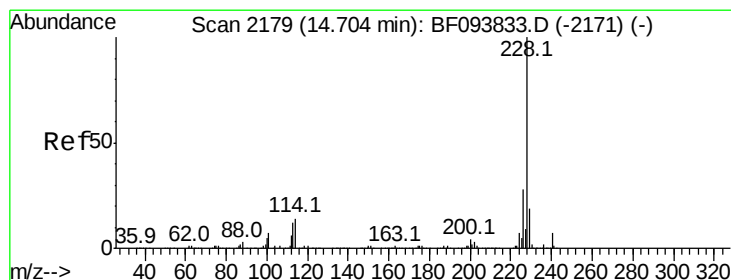
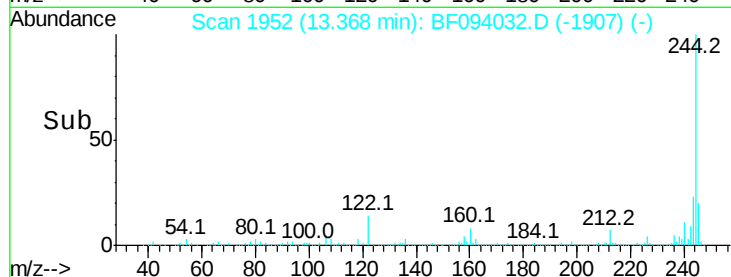
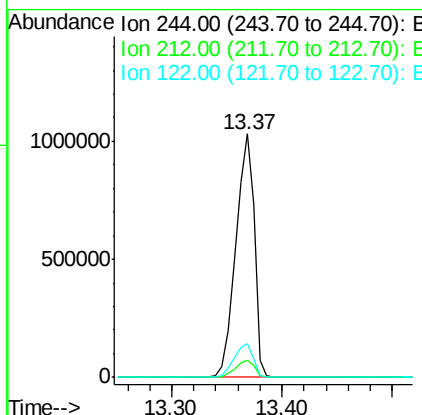
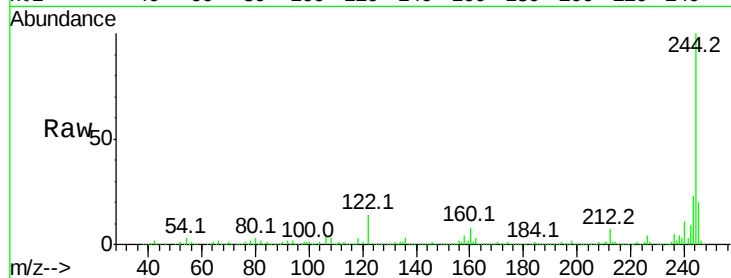




#78
 Terphenyl-d14
 Concen: 68.73 ng
 RT: 13.37 min Scan# 1952
 Delta R.T. -0.04 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

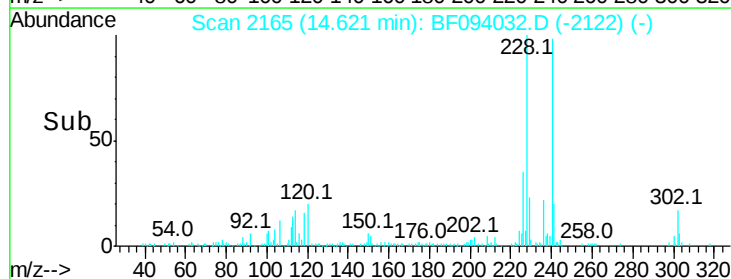
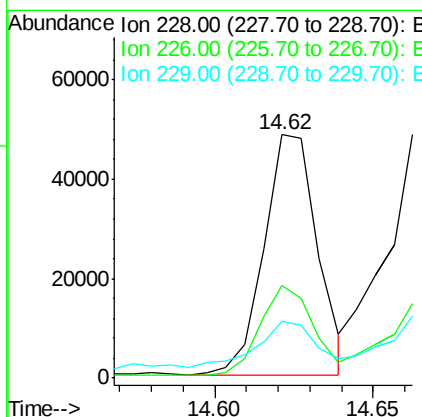
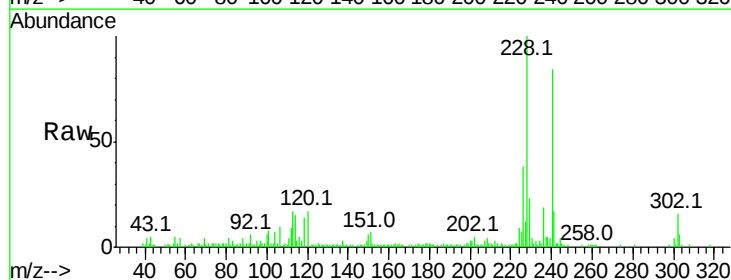
Instrument :
 BNA_F
 ClientSampled :
 E2-T11-BASE

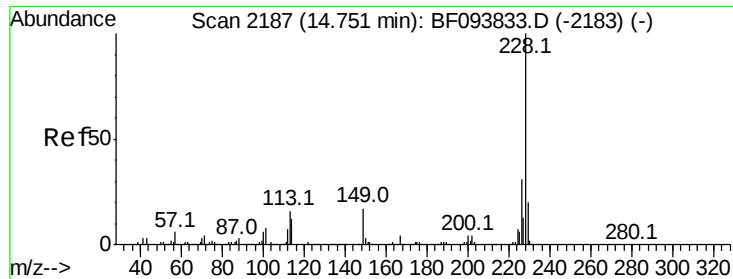
Tot Ion:244 Resp: 1213359
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.46 ng
 RT: 14.62 min Scan# 2165
 Delta R.T. -0.05 min
 Lab File: BF094032.D
 Acq: 29 Mar 2017 21:34

Tgt Ion:228 Resp: 56793
 Ion Ratio Lower Upper
 228 100
 226 38.4 22.6 33.8#
 229 23.2 16.3 24.5

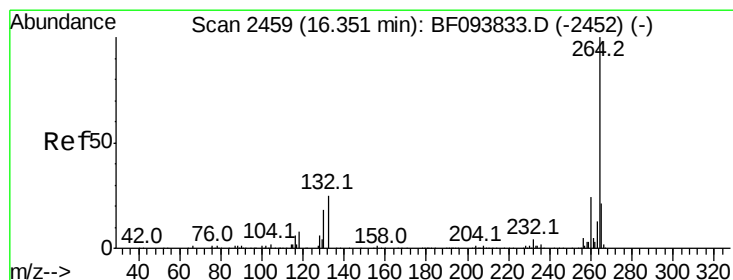
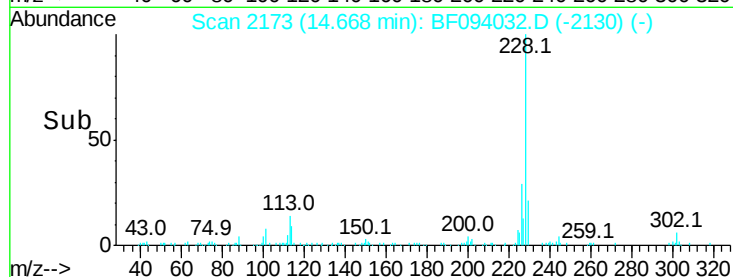
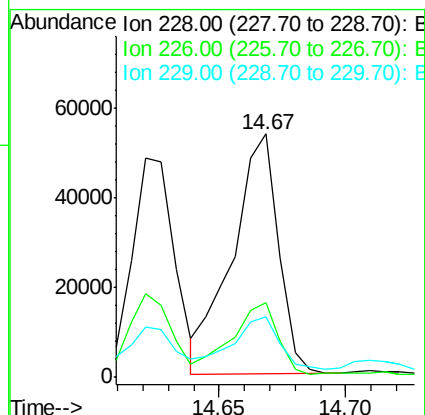
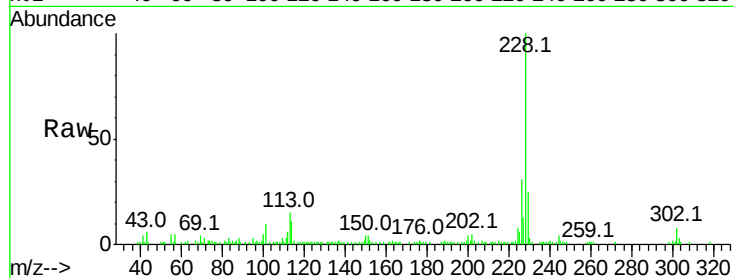




#82
Chrysene
Concen: 3.16 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

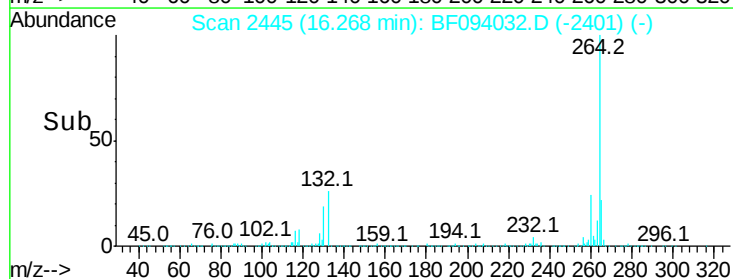
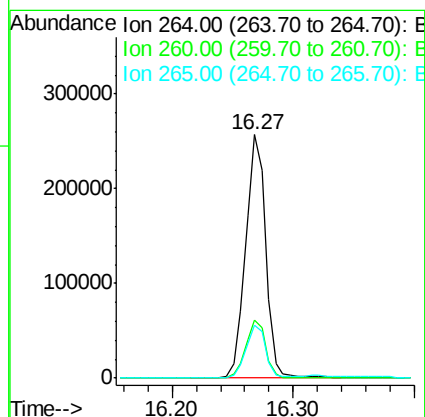
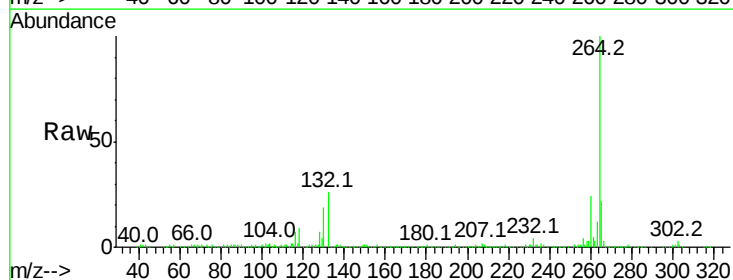
Instrument :
BNA_F
ClientSampleId :
E2-T11-BASE

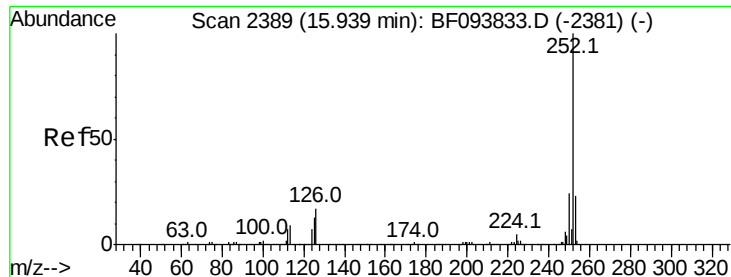
Tot Ion:228 Resp: 67668
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 24.9 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2445
Delta R.T. -0.04 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Tgt Ion:264 Resp: 301134
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.76 ng

RT: 15.86 min Scan# 2375

Delta R.T. -0.04 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

E2-T11-BASE

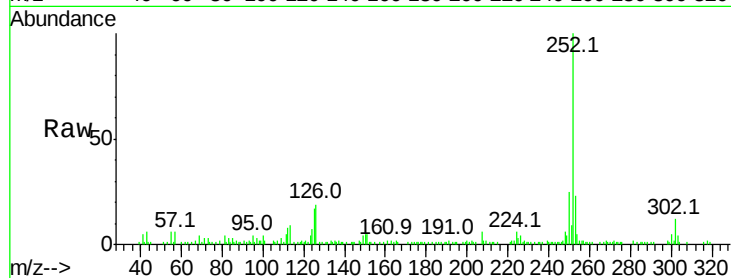
Tot Ion:252 Resp: 87845

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

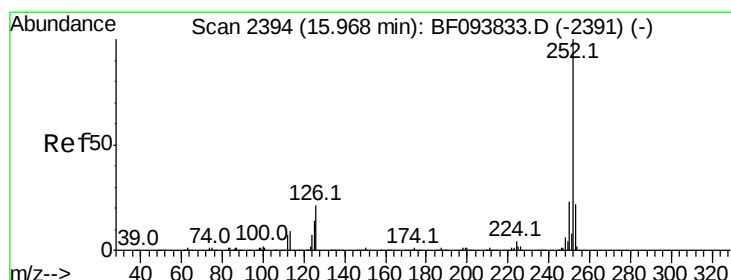
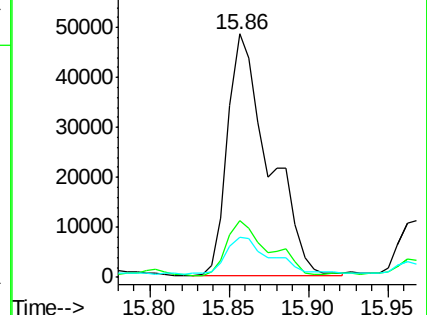
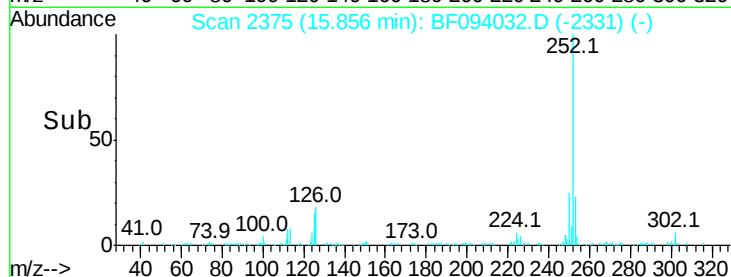
125 16.6 9.8 14.8#



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: 4.86 ng

RT: 15.86 min Scan# 2375

Delta R.T. -0.08 min

Lab File: BF094032.D

Acq: 29 Mar 2017 21:34

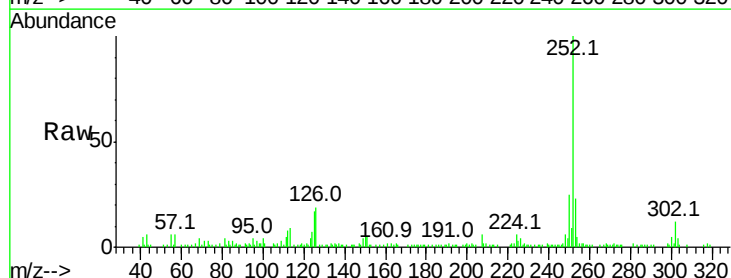
Tgt Ion:252 Resp: 87845

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

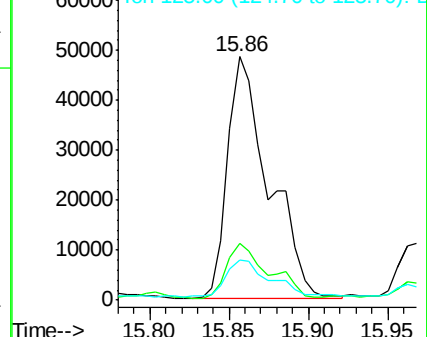
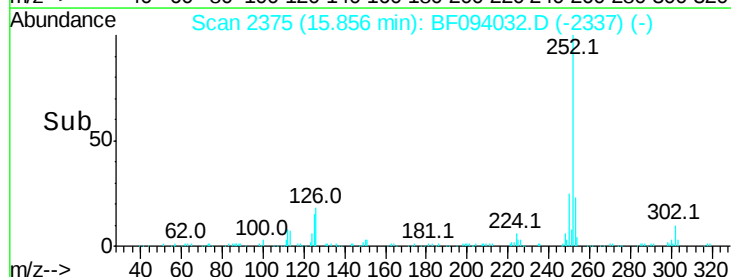
125 16.6 13.1 19.7

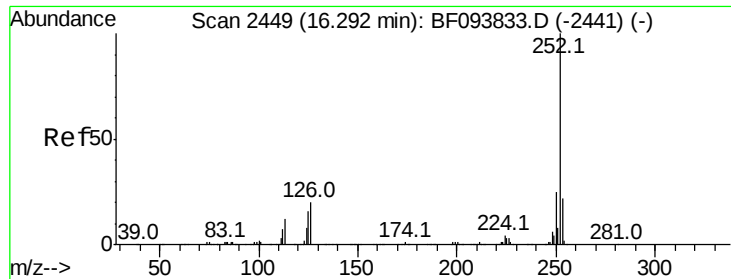


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

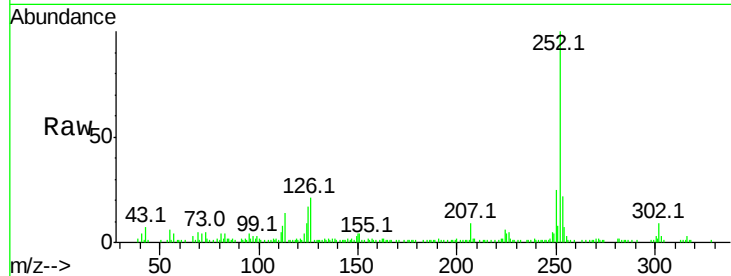




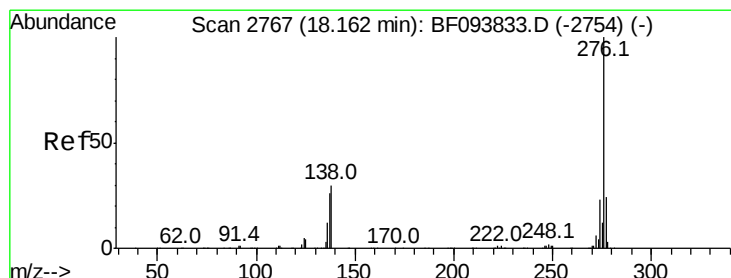
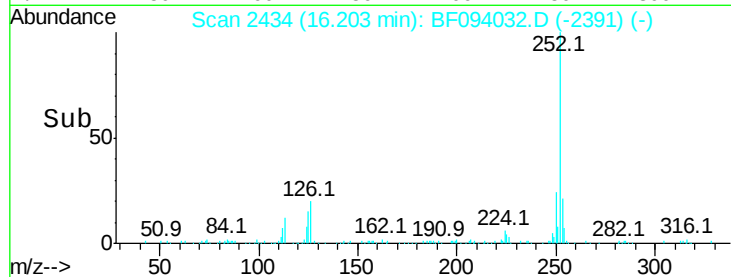
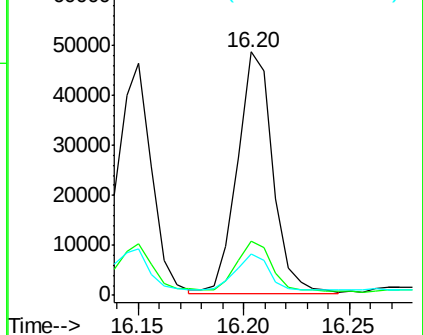
#89
Benzo(a)pyrene
Concen: 3.31 ng
RT: 16.20 min Scan# 2434
Delta R.T. -0.05 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
E2-T11-BASE

Tot Ion:252 Resp: 56250
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 17.1 11.0 16.4#

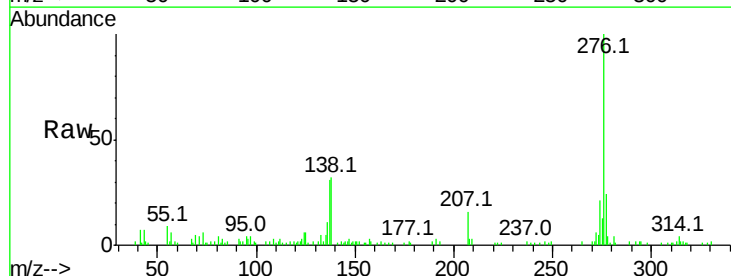


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.56 ng
RT: 18.02 min Scan# 2742
Delta R.T. -0.08 min
Lab File: BF094032.D
Acq: 29 Mar 2017 21:34

Tgt Ion:276 Resp: 51630
Ion Ratio Lower Upper
276 100
277 23.7 18.6 28.0
138 32.1 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

