

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093905.D
 Acq On : 24 Mar 2017 13:46
 Operator : SJ/MA
 Sample : I2367-18
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Quant Time: Mar 24 23:03:13 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

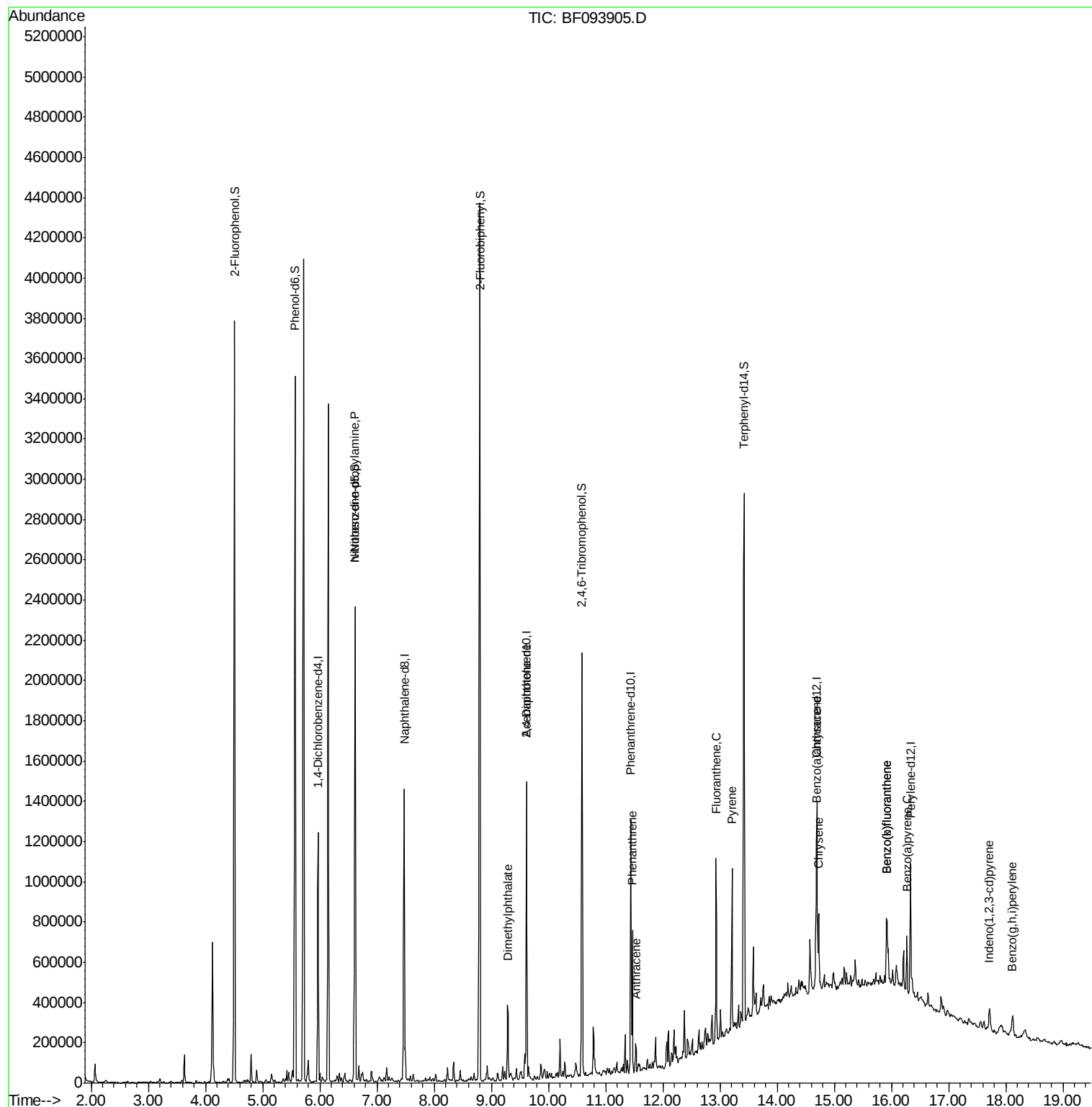
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	191704	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	741770	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	313287	20.00	ng	-0.02
63) Phenanthrene-d10	11.44	188	481671	20.00	ng	-0.02
75) Chrysene-d12	14.69	240	330165	20.00	ng	-0.02
86) Perylene-d12	16.33	264	289434	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1261357	111.13	ng	0.00
7) Phenol-d6	5.57	99	1620570	115.42	ng	0.00
23) Nitrobenzene-d5	6.62	82	993361	76.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	277170	111.96	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1615173	78.64	ng	-0.02
78) Terphenyl-d14	13.42	244	965628	65.56	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.62	70	132795	14.72	ng	# 81
49) Dimethylphthalate	9.29	163	165618	7.44	ng	99
56) 2,4-Dinitrotoluene	9.62	165	42630	6.65	ng	# 33
70) Phenanthrene	11.47	178	270053	10.08	ng	98
71) Anthracene	11.53	178	55855	2.02	ng	98
74) Fluoranthene	12.93	202	392392	14.30	ng	99
77) Pyrene	13.21	202	346263	14.45	ng	99
80) Benzo(a)anthracene	14.68	228	150679	7.83	ng	96
82) Chrysene	14.73	228	167214	9.36	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	73044	4.72	ng	97
87) Benzo(b)fluoranthene	15.92	252	250548	14.12	ng	# 95
88) Benzo(k)fluoranthene	15.92	252	250548	14.43	ng	98
89) Benzo(a)pyrene	16.27	252	128601	7.87	ng	# 94
91) Benzo(a,h,i)perylene	18.12	276	64632	4.64	ng	94

(#) = 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# 694

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

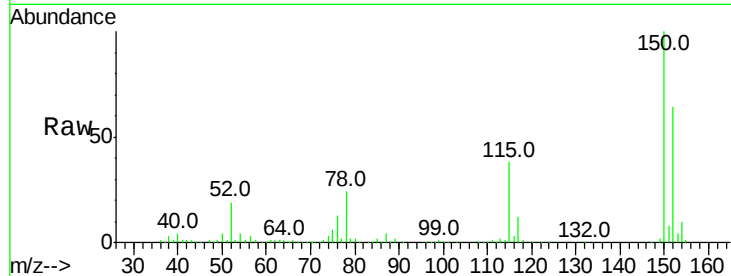
Tot Ion:152 Resp: 191704

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

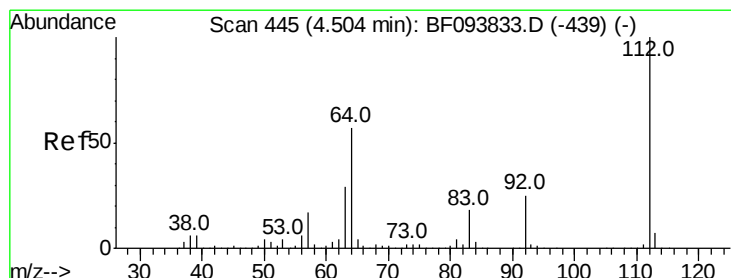
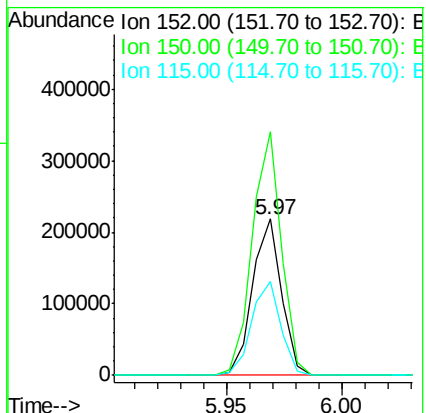
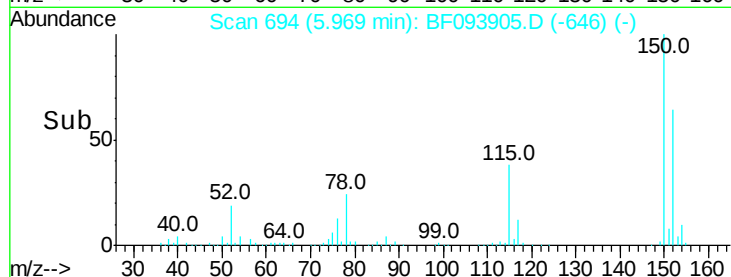
115 59.8 52.2 78.2



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: 111.13 ng

RT: 4.51 min Scan# 446

Delta R.T. 0.01 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

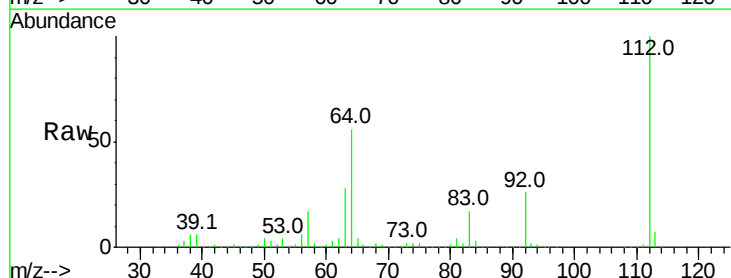
Tgt Ion:112 Resp: 1261357

Ion Ratio Lower Upper

112 100

64 56.0 46.0 69.0

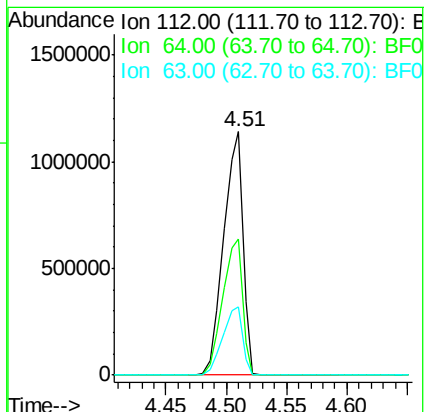
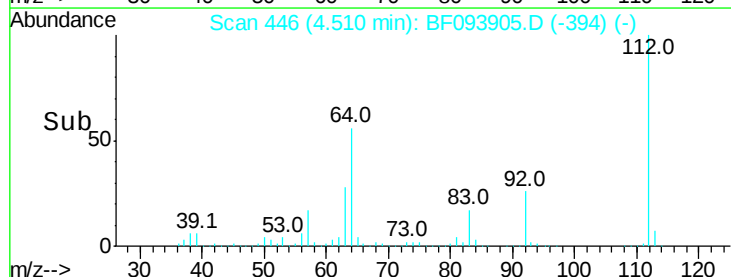
63 28.3 23.4 35.0

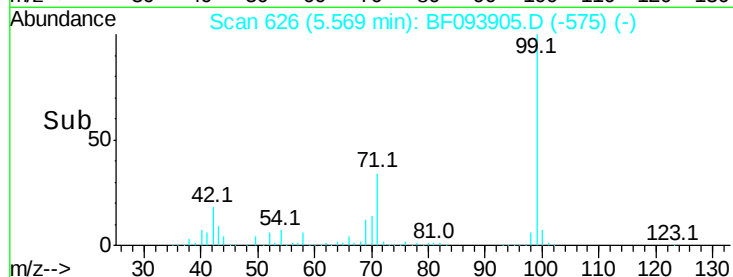
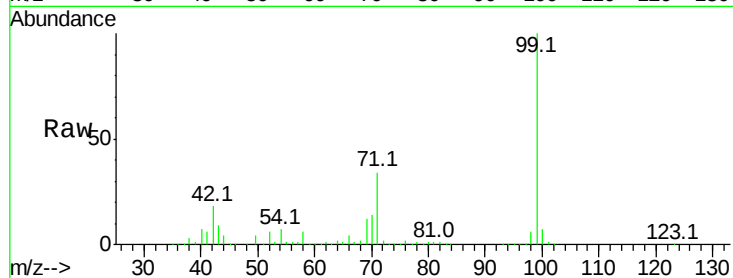
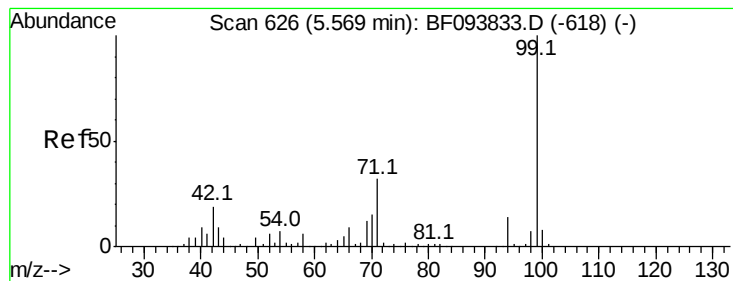


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.42 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

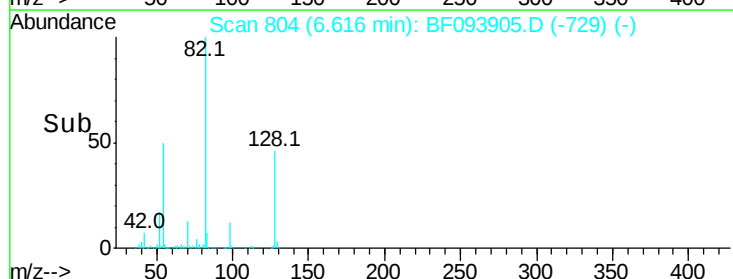
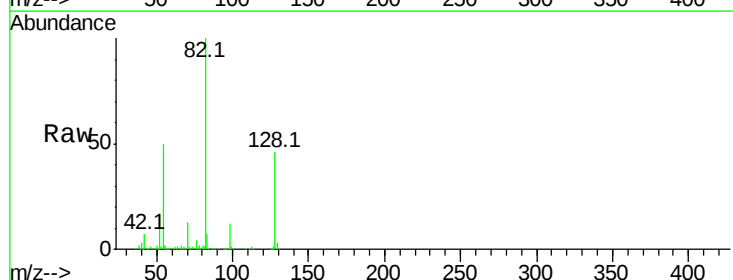
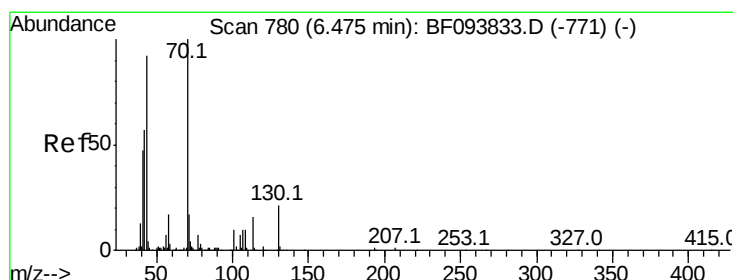
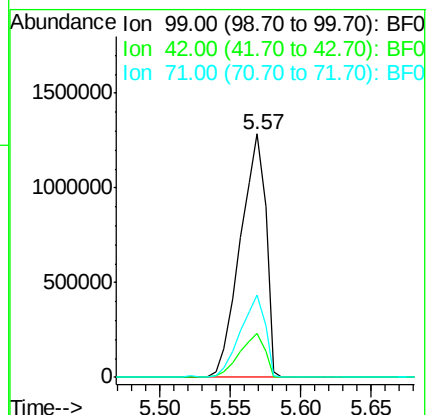
Tot Ion: 99 Resp: 1620570

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 33.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.72 ng

RT: 6.62 min Scan# 804

Delta R.T. 0.14 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Tgt Ion: 70 Resp: 132795

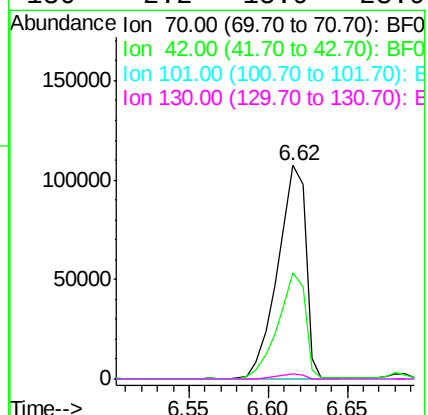
Ion Ratio Lower Upper

70 100

42 50.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

Tot Ion:136 Resp: 741770

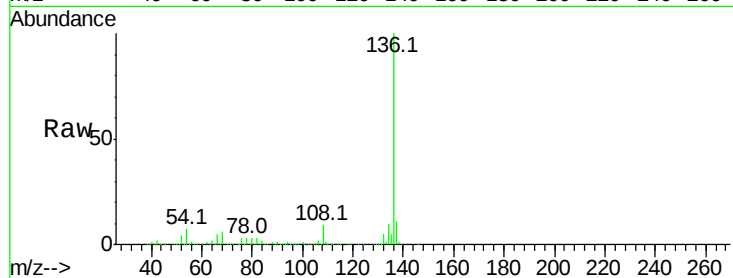
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

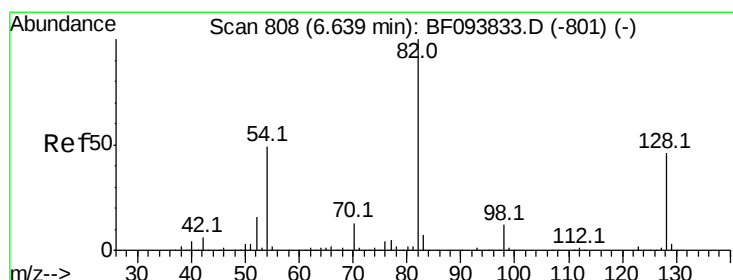
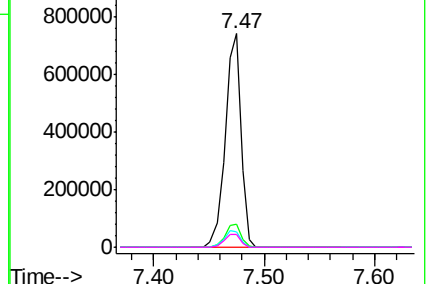
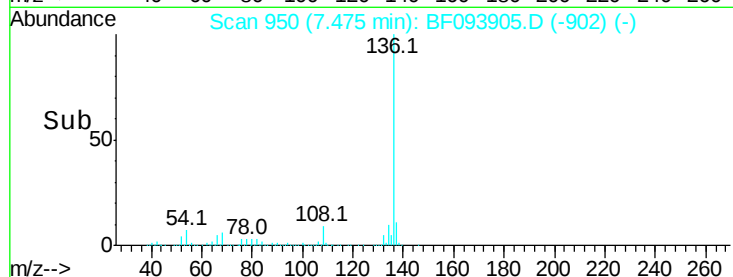


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.43 ng

RT: 6.62 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

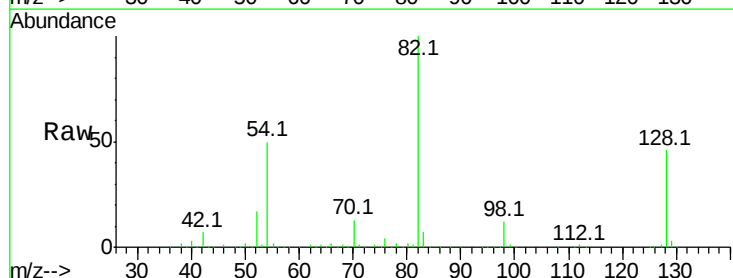
Tgt Ion: 82 Resp: 993361

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

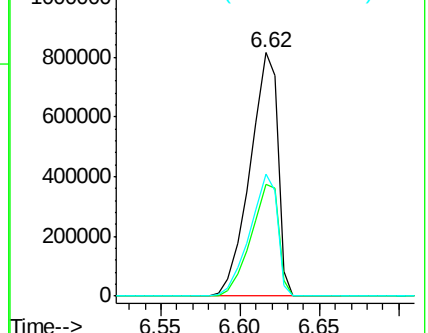
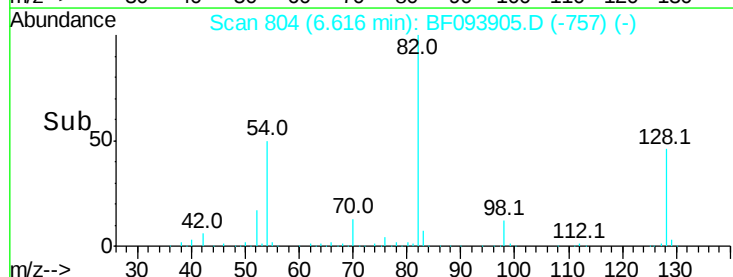
54 50.0 42.2 63.2

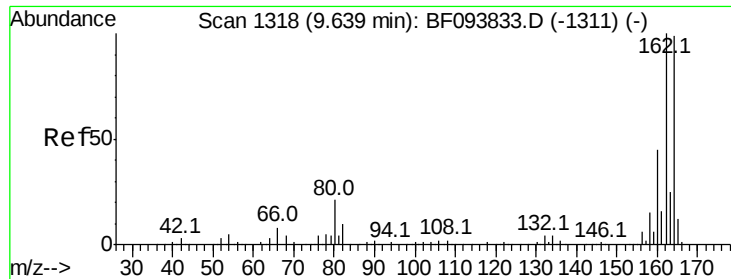


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

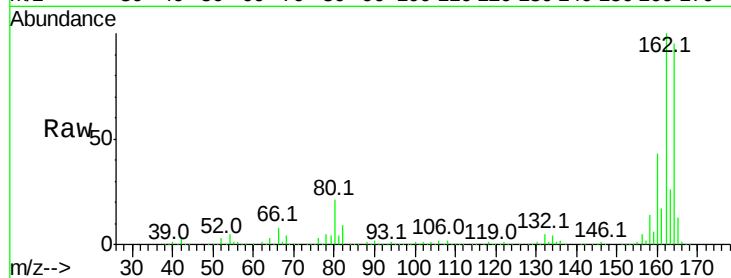




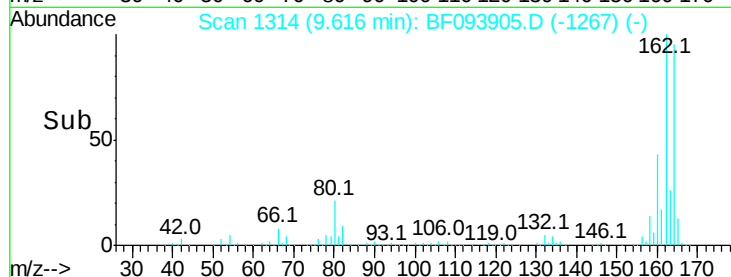
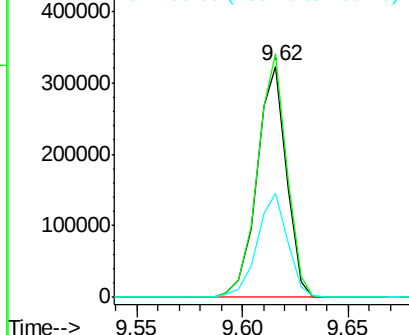
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Tot Ion:164 Resp: 313287
 Ion Ratio Lower Upper
 164 100
 162 105.4 82.6 123.8
 160 45.1 36.2 54.2

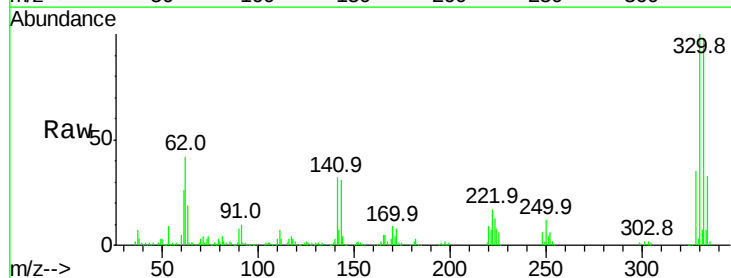


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

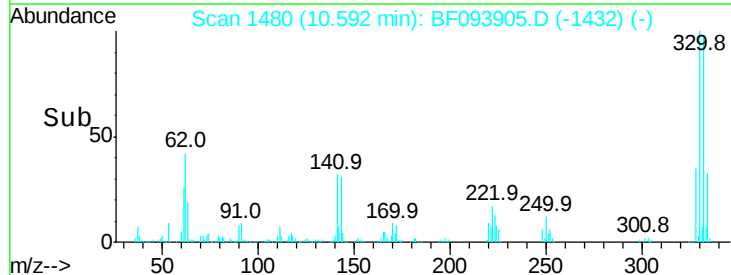
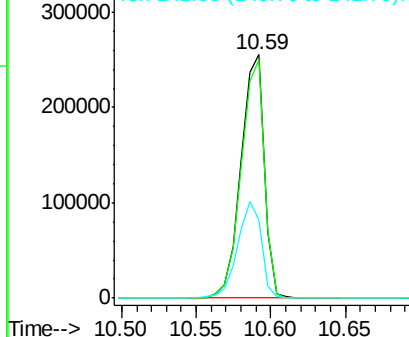


#41
 2,4,6-Tribromophenol
 Concen: 111.96 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Tgt Ion:330 Resp: 277170
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 40.3 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



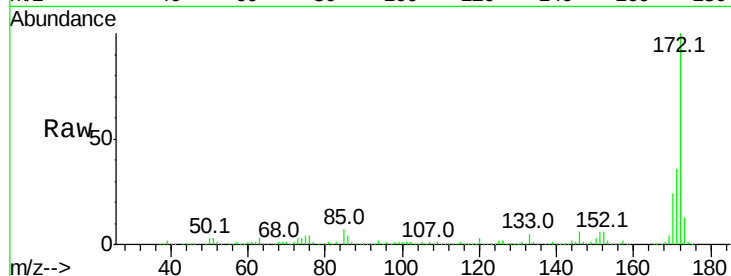


#44
 2-Fluorobiphenyl
 Concen: 78.64 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

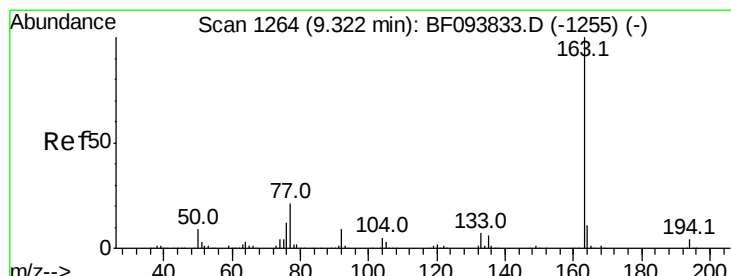
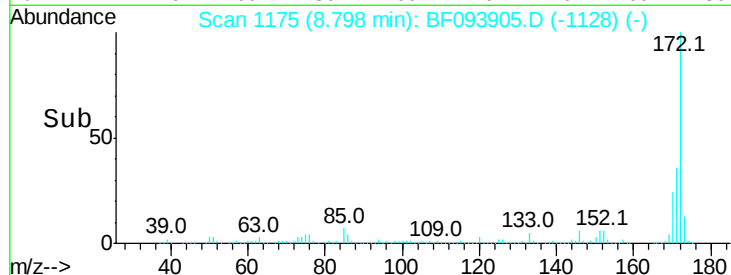
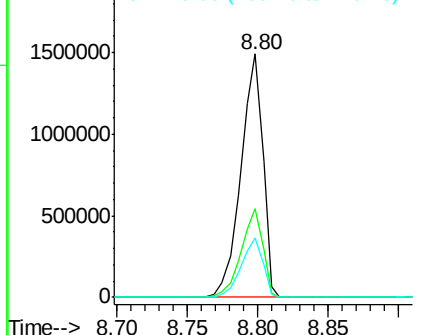
Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-7-8-BASE

Tot Ion:172 Resp: 1615173

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.4	19.8	29.8



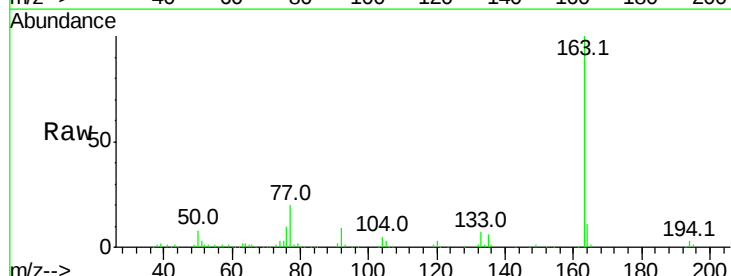
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



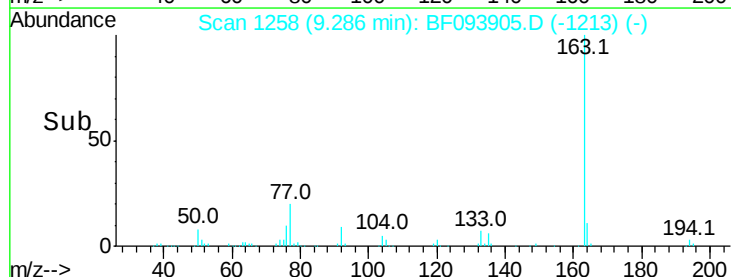
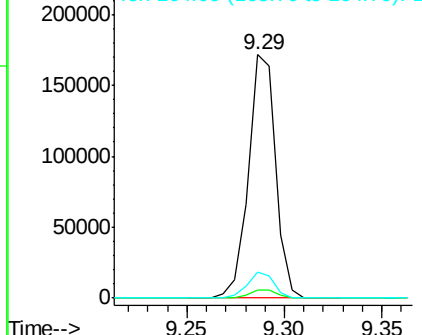
#49
 Dimethylphthalate
 Concen: 7.44 ng
 RT: 9.29 min Scan# 1258
 Delta R.T. -0.04 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Tgt Ion:163 Resp: 165618

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.8	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

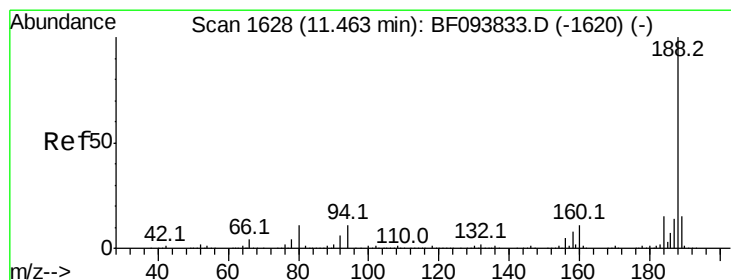
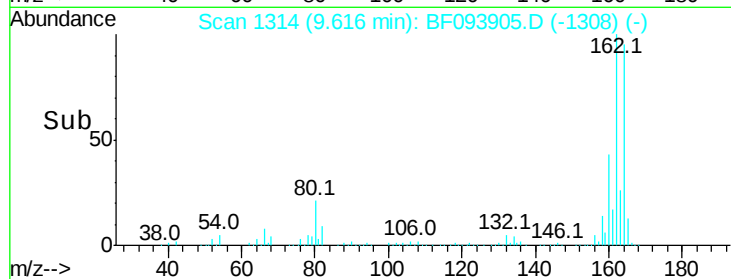
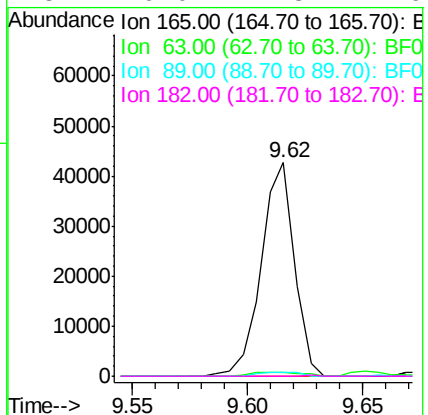
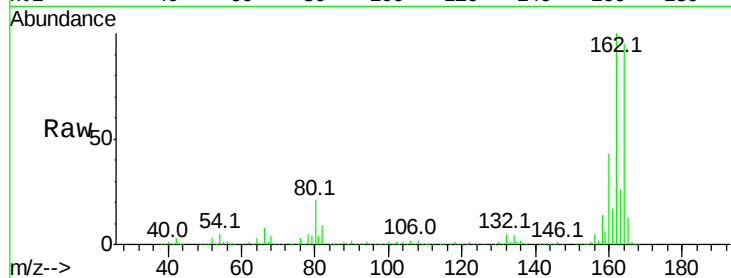




#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.26 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

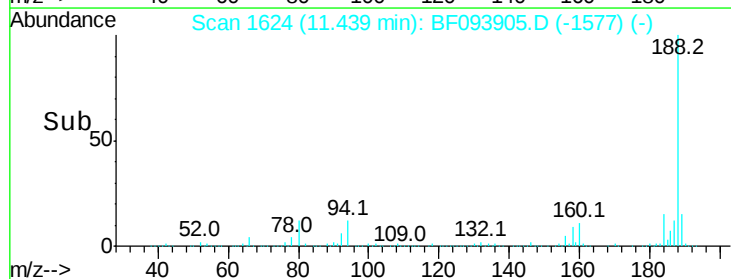
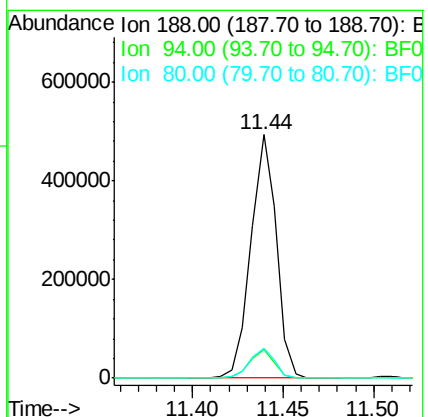
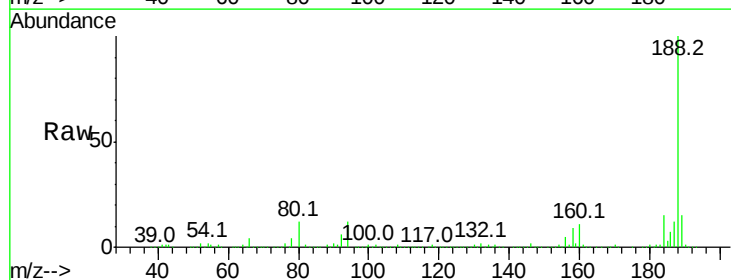
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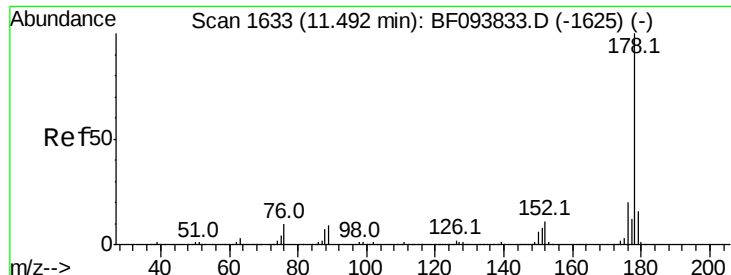
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1624
 Delta R.T. -0.02 min
 Lab File: BF093905.D
 Acq: 24 Mar 2017 13:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.2	10.2	15.2





#70

Phenanthrene

Concen: 10.08 ng

RT: 11.47 min Scan# 1629

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

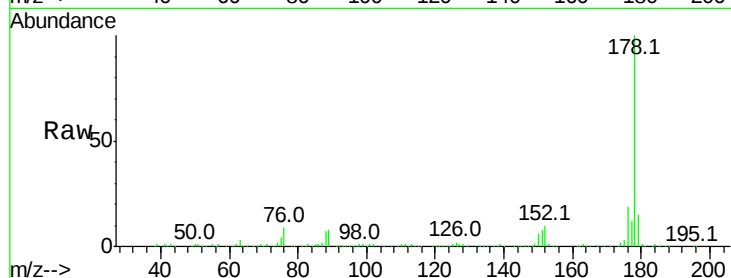
Tot Ion:178 Resp: 270053

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

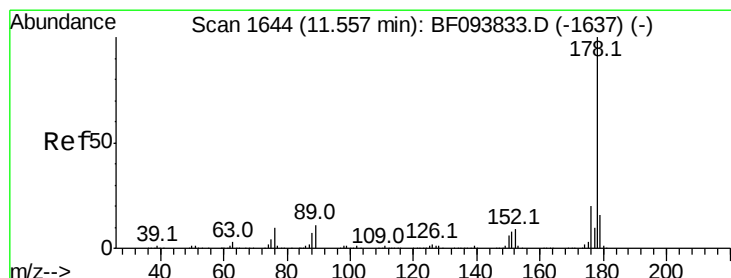
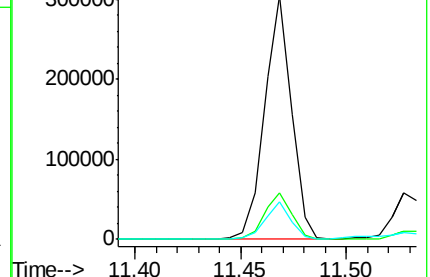
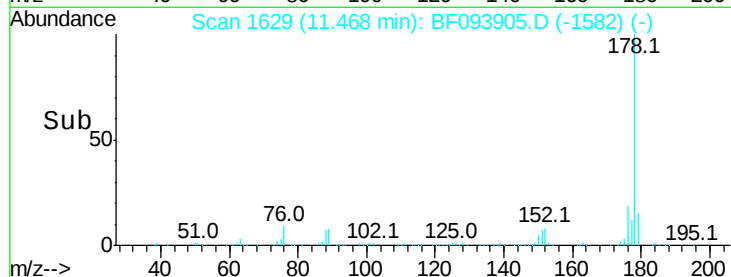
179 15.4 12.6 19.0



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: 2.02 ng

RT: 11.53 min Scan# 1639

Delta R.T. -0.03 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

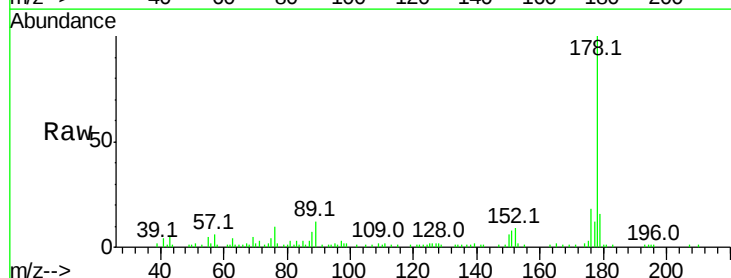
Tgt Ion:178 Resp: 55855

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

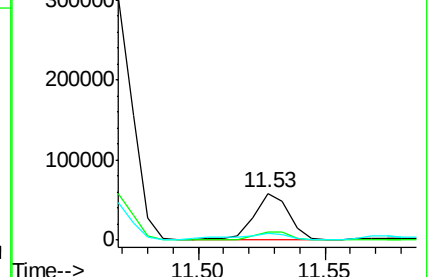
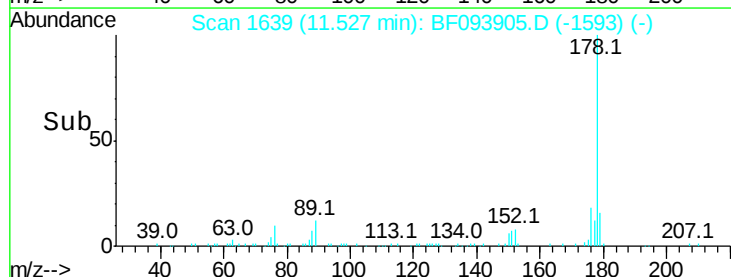
179 15.6 12.7 19.1

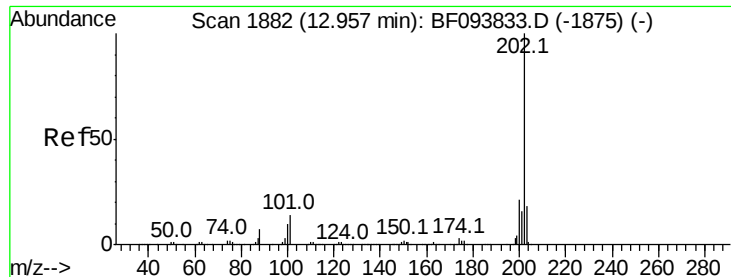


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.30 ng

RT: 12.93 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

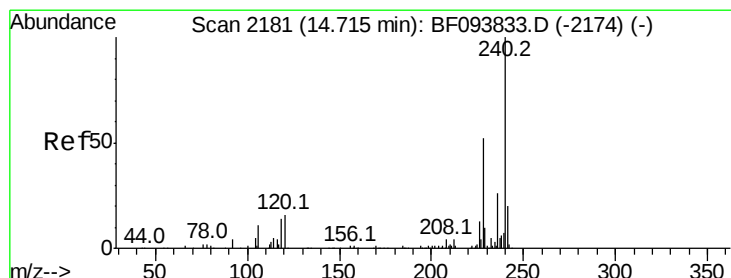
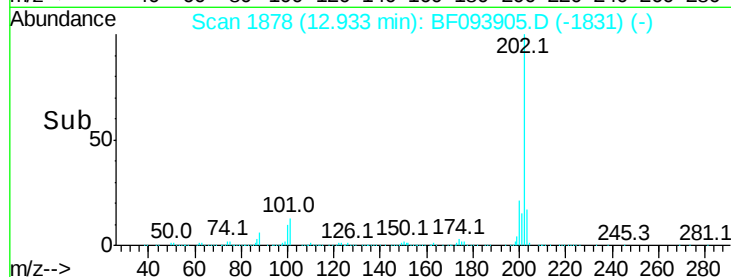
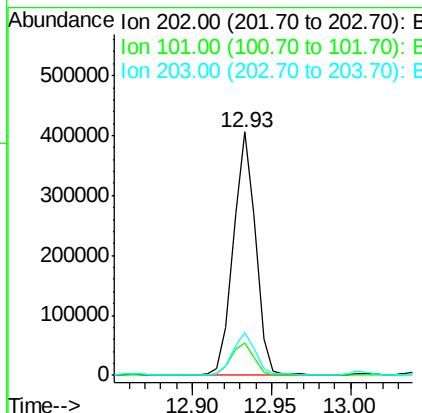
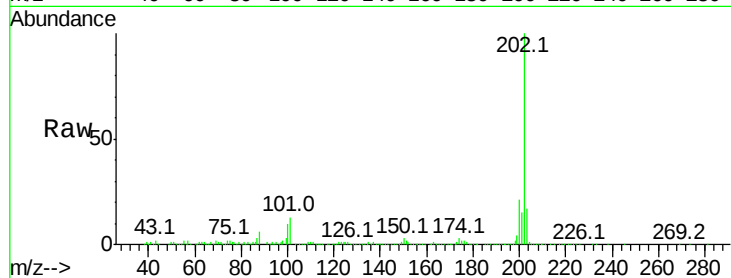
Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

Tot Ion:	202	Resp:	392392
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

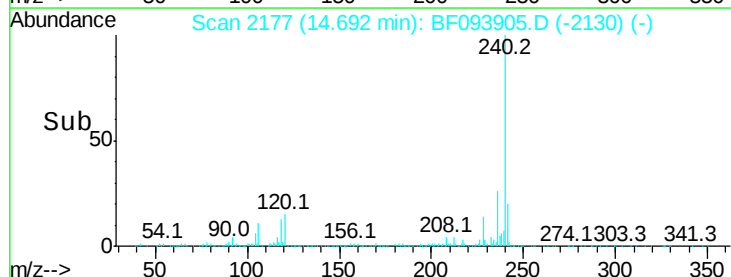
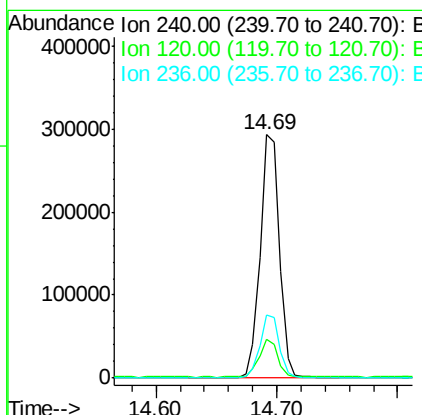
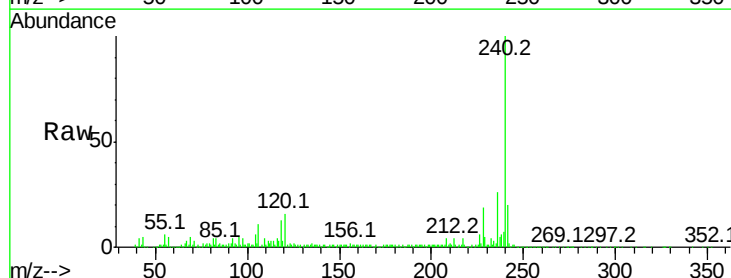
RT: 14.69 min Scan# 2177

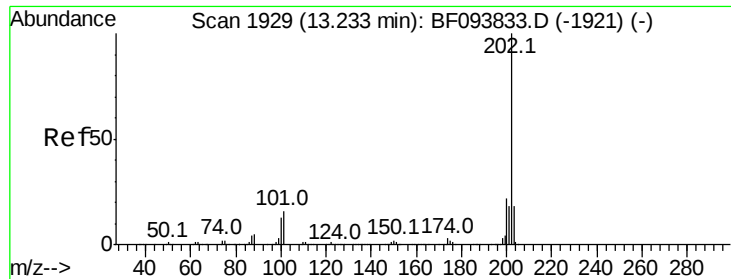
Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Tgt Ion:	240	Resp:	330165
Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 14.45 ng

RT: 13.21 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

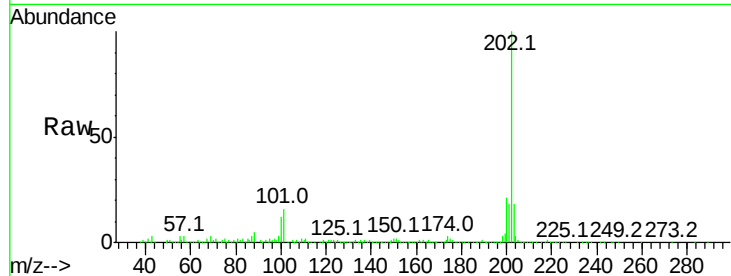
Tot Ion:202 Resp: 346263

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

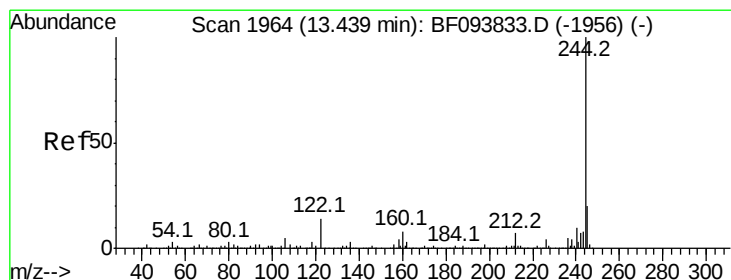
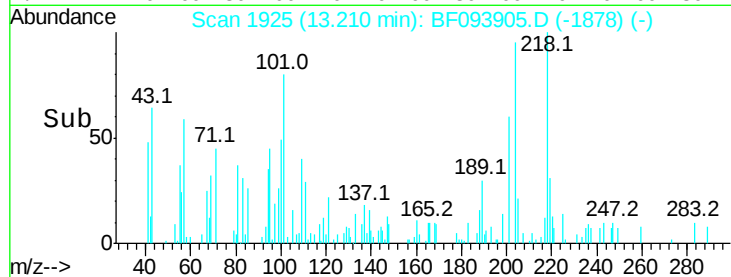
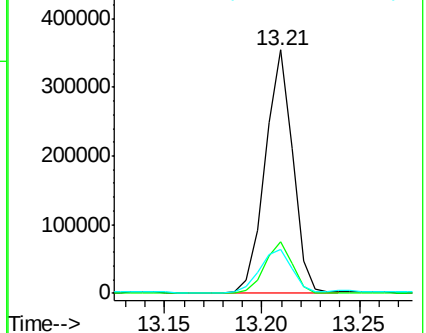
203 18.3 14.4 21.6



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: 65.56 ng

RT: 13.42 min Scan# 1961

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

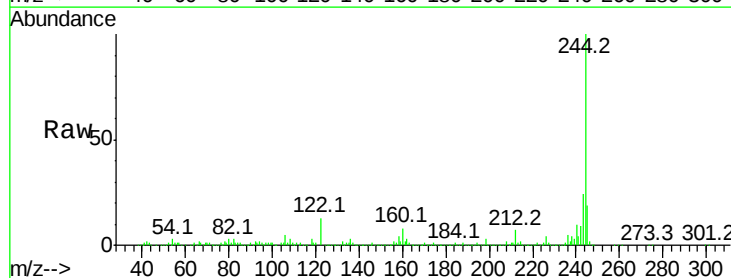
Tgt Ion:244 Resp: 965628

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

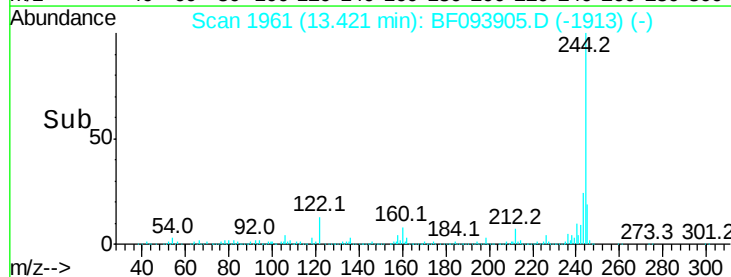
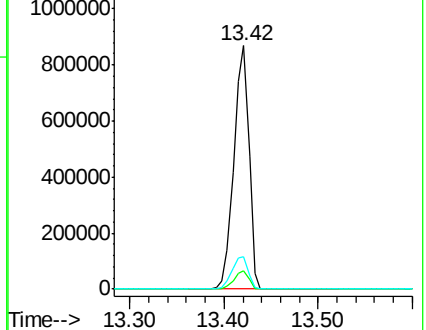
122 13.5 10.3 15.5

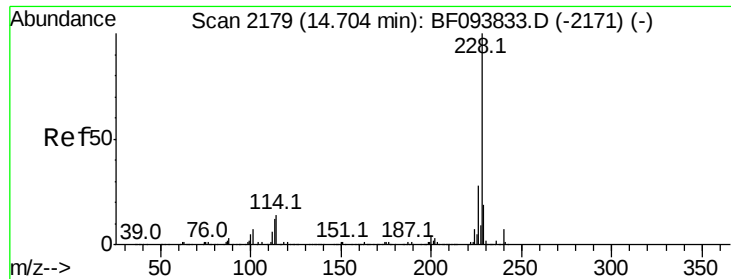


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

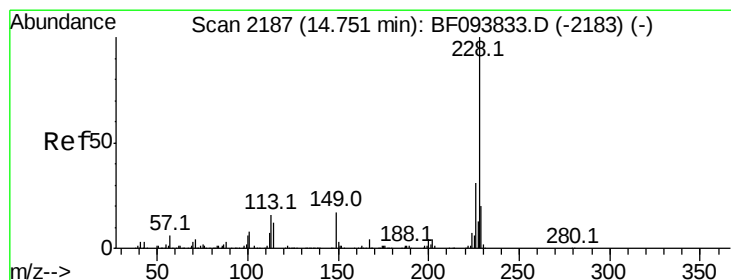
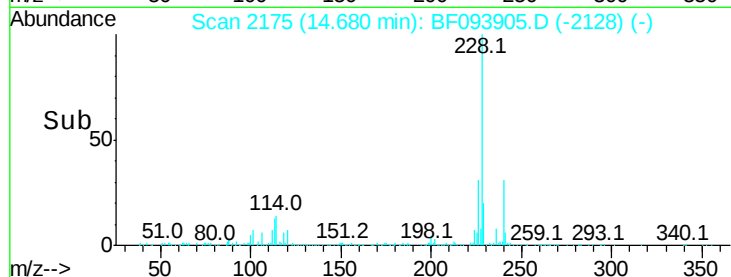
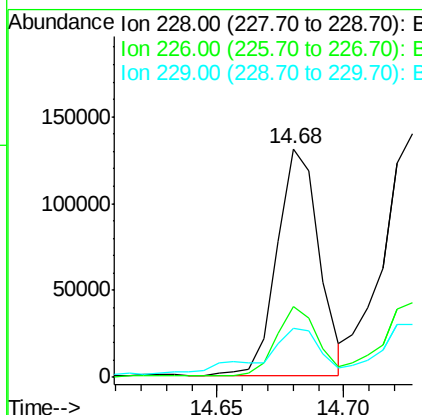
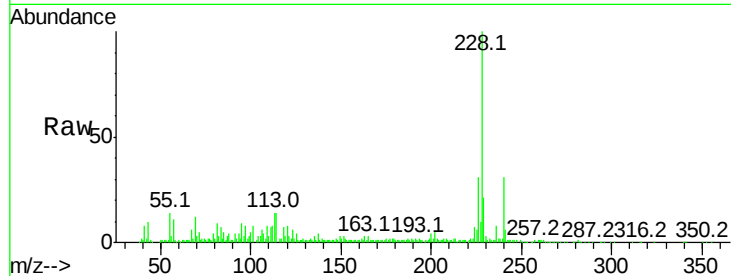




#80
Benzo(a)anthracene
Concen: 7.83 ng
RT: 14.68 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

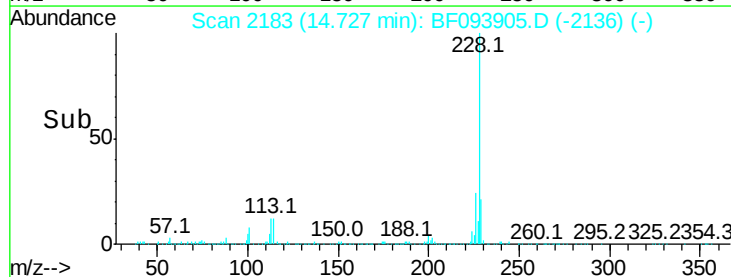
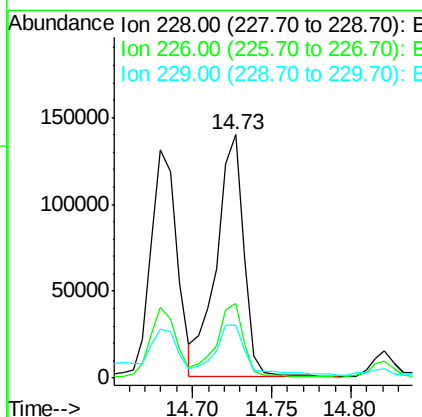
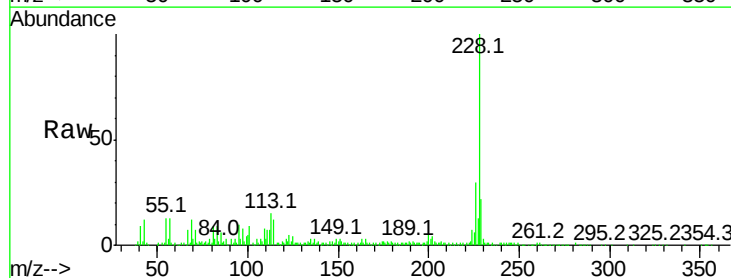
Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

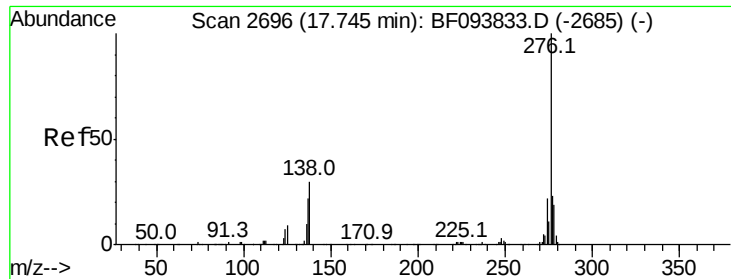
Tot Ion:228 Resp: 150679
Ion Ratio Lower Upper
228 100
226 31.1 22.6 33.8
229 21.3 16.3 24.5



#82
Chrysene
Concen: 9.36 ng
RT: 14.73 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion:228 Resp: 167214
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 21.8 15.8 23.6

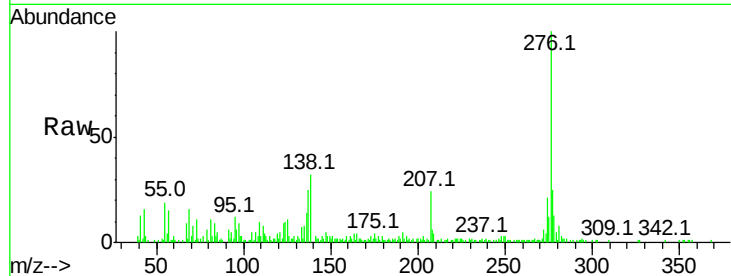




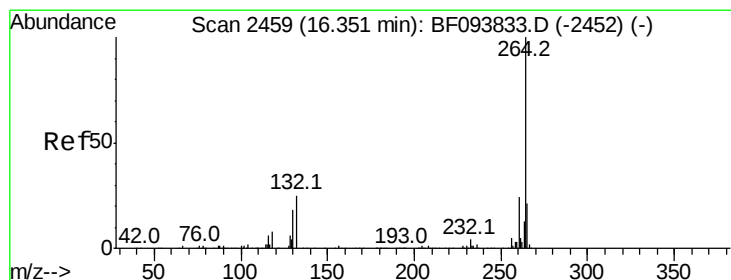
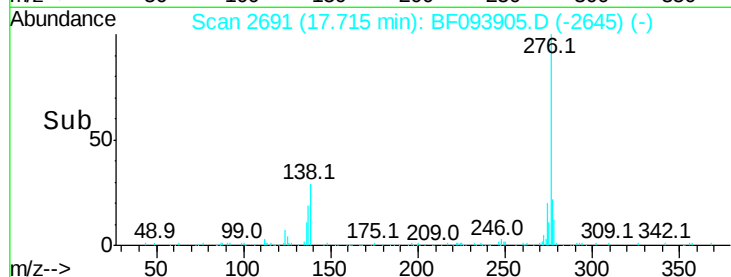
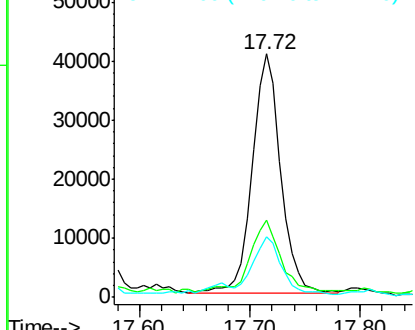
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.72 ng
RT: 17.72 min Scan# 2691
Delta R.T. -0.03 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-7-8-BASE

Tot Ion:276 Resp: 73044
Ion Ratio Lower Upper
276 100
138 32.5 27.8 41.6
277 24.0 20.2 30.4

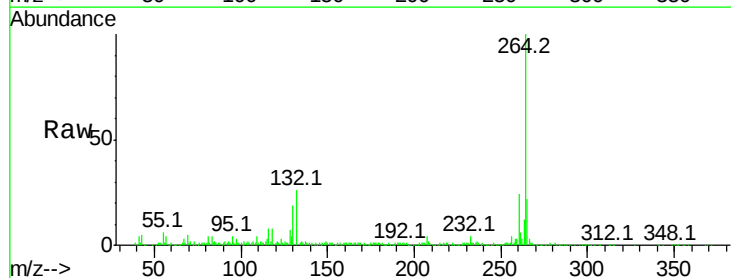


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

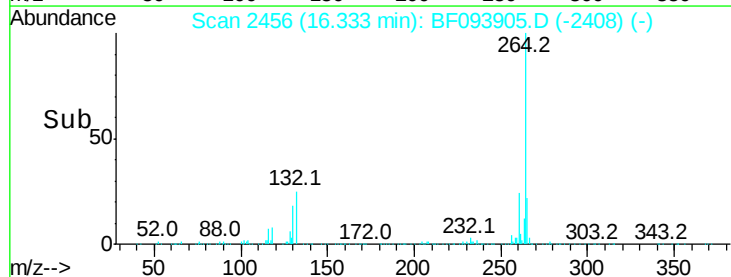
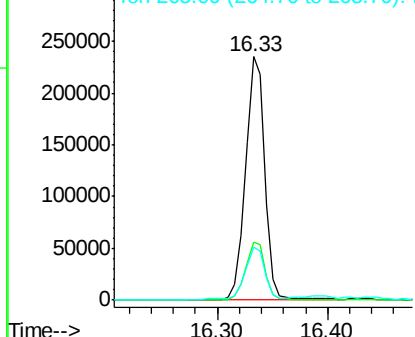


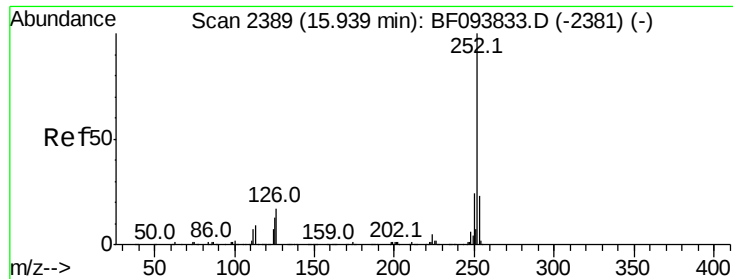
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BF093905.D
Acq: 24 Mar 2017 13:46

Tgt Ion:264 Resp: 289434
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.12 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

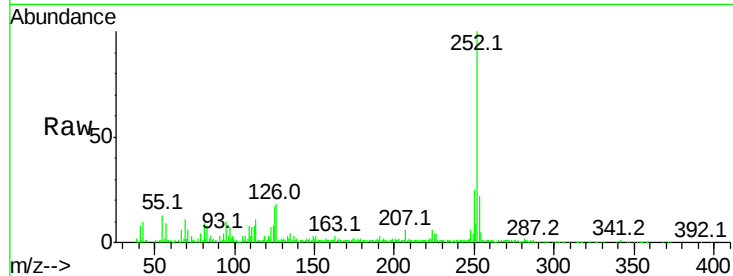
Tot Ion:252 Resp: 250548

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

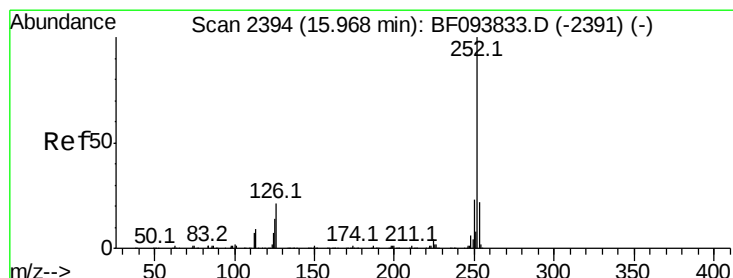
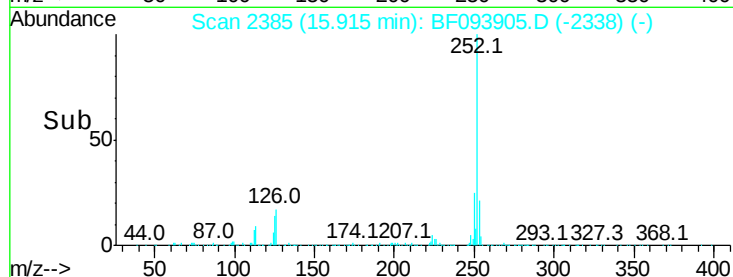
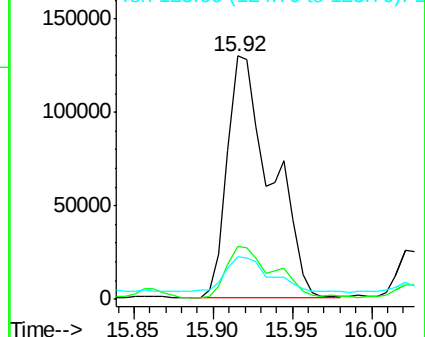
125 17.3 9.8 14.8#



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: 14.43 ng

RT: 15.92 min Scan# 2385

Delta R.T. -0.05 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

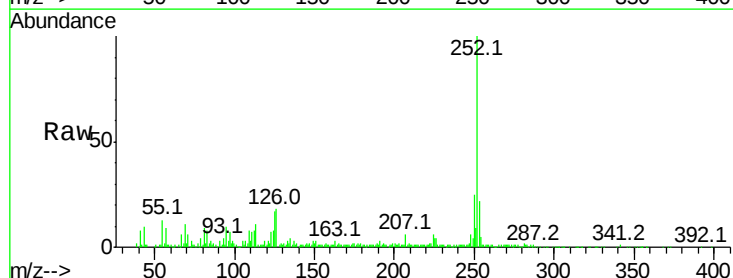
Tgt Ion:252 Resp: 250548

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

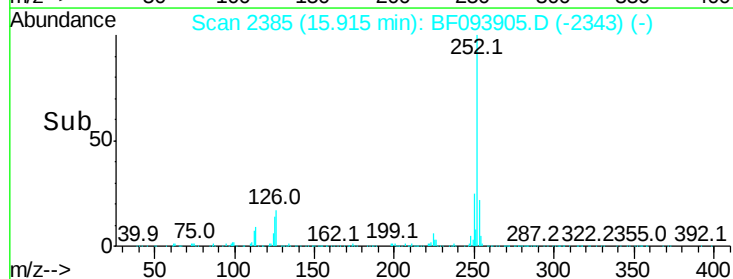
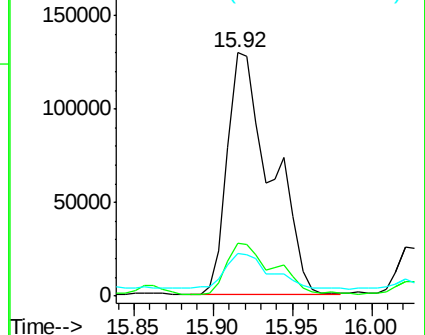
125 17.3 13.1 19.7

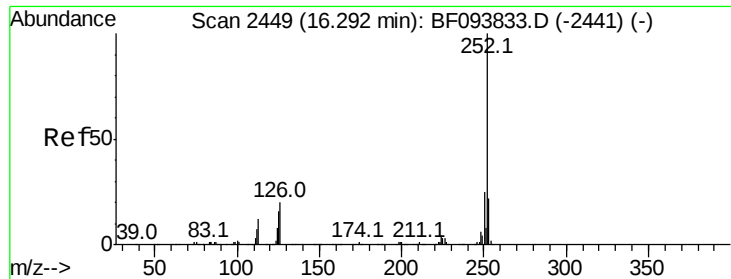


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.87 ng

RT: 16.27 min Scan# 2445

Delta R.T. -0.02 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

Instrument :

BNA_F

ClientSampleId :

E2-CC-DD-7-8-BASE

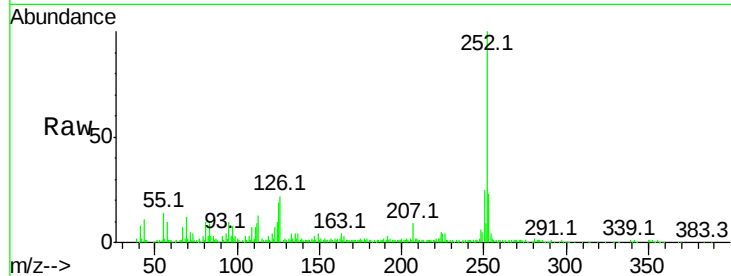
Tot Ion:252 Resp: 128601

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

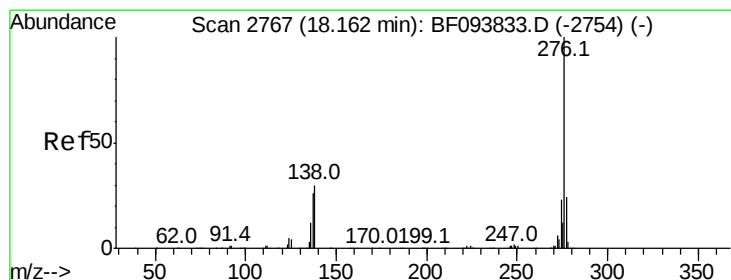
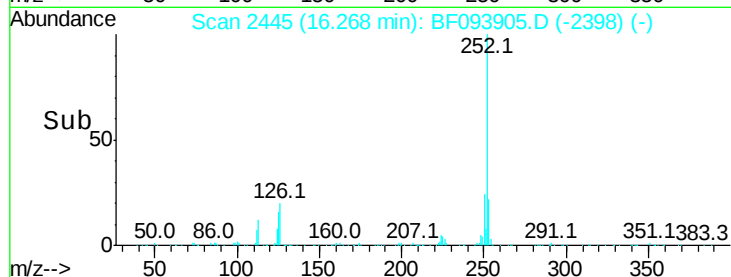
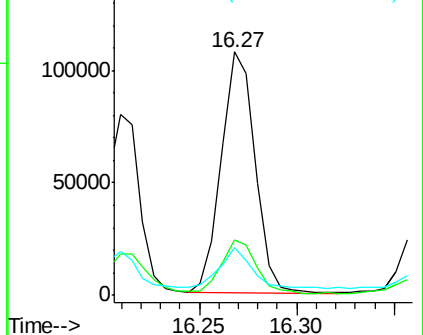
125 19.4 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 4.64 ng

RT: 18.12 min Scan# 2760

Delta R.T. -0.04 min

Lab File: BF093905.D

Acq: 24 Mar 2017 13:46

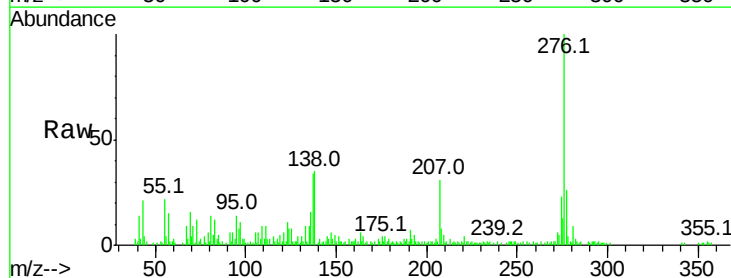
Tgt Ion:276 Resp: 64632

Ion Ratio Lower Upper

276 100

277 26.4 18.6 28.0

138 35.3 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

