

Data File : BF093176.D
Acq On : 25 Feb 2017 7:28
Operator : SJ/MA
Sample : I1973-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Quant Time: Feb 26 23:37:30 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	150216	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	567282	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	233041	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	343314	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	305165	20.00	ng	-0.01
86) Perylene-d12	15.44	264	262067	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1355787	154.85	ng	-0.01
7) Phenol-d6	6.48	99	1587210	140.89	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1013037	99.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	231044	137.08	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1530558	118.99	ng	-0.01
78) Terphenyl-d14	12.95	244	900539	69.34	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	76421	5.80	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	132134	18.42	ng	# 83
25) Isophorone	7.40	82	912973	48.10	ng	# 65
49) Dimethylphthalate	9.60	163	100250	6.39	ng	# 99
56) 2,4-Dinitrotoluene	9.88	165	29244	6.48	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.67	198	473	2.88	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	17620	4.91	ng	# 1
70) Phenanthrene	11.39	178	139887	7.11	ng	95
74) Fluoranthene	12.58	202	149324	7.36	ng	92
77) Pyrene	12.81	202	132868	5.82	ng	96
80) Benzo(a)anthracene	14.00	228	69996	3.75	ng	98
82) Chrysene	14.00	228	69996	4.01	ng	97
87) Benzo(b)fluoranthene	15.03	252	98008	5.68	ng	97
88) Benzo(k)fluoranthene	15.03	252	98008	6.58	ng	96
89) Benzo(a)pyrene	15.38	252	51252	3.43	ng	# 94

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

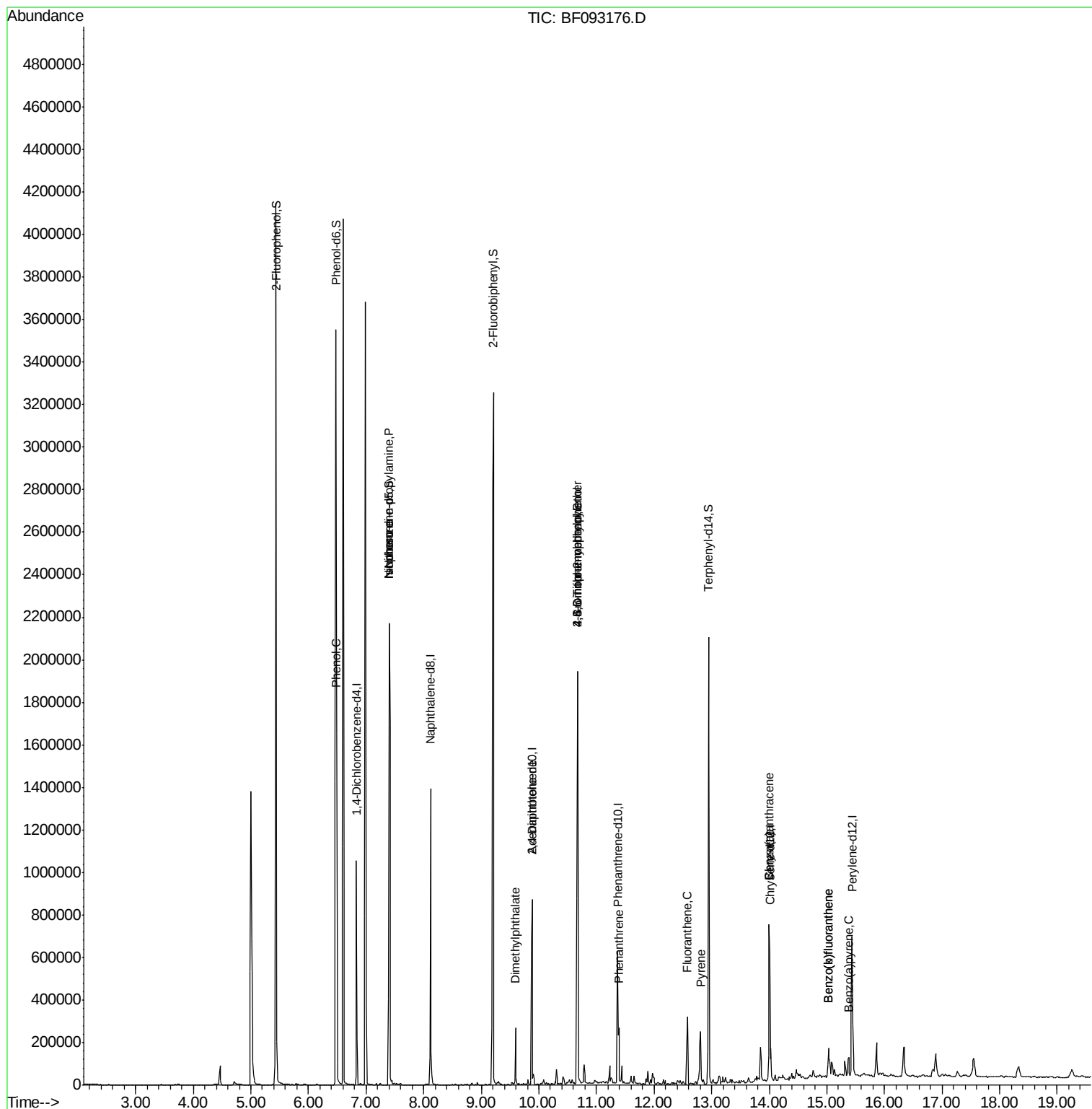
ALS Vial : 29 Sample Multiplier: 1

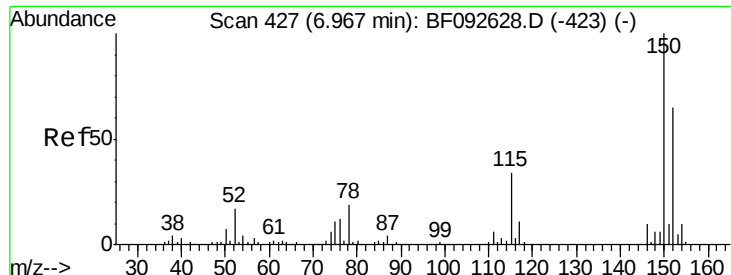
BNA F

ClientSampleId :

E2-Y5S-SW

Response via : Initial Calibration

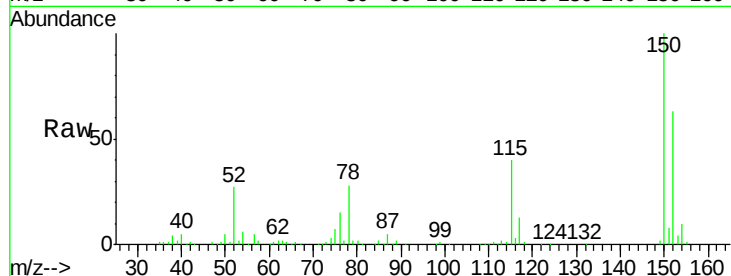




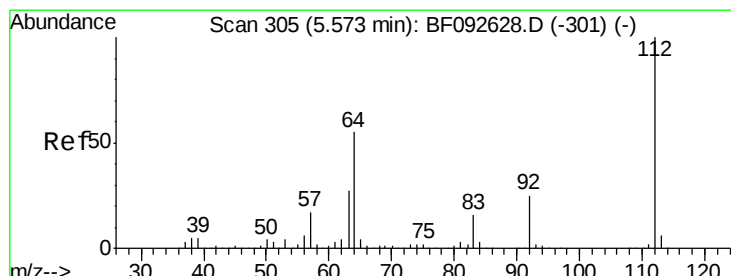
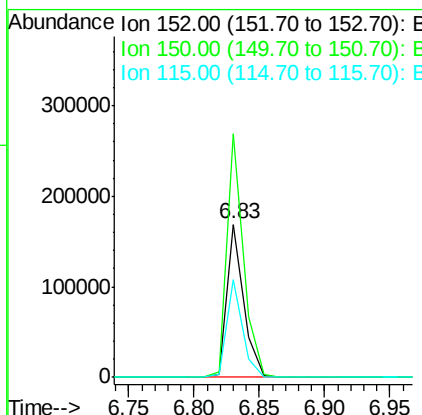
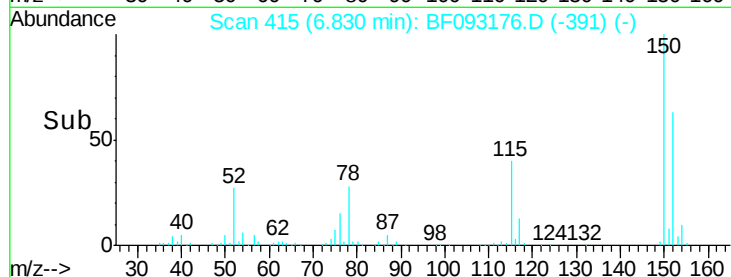
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BF093176.D
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Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5S-SW

Tgt Ion:152 Resp: 150216
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.9 187.3
 115 64.0 46.0 69.0

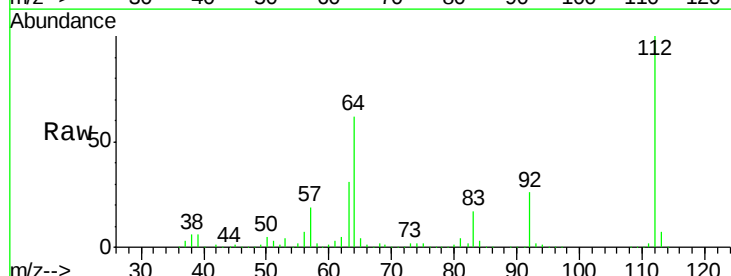


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

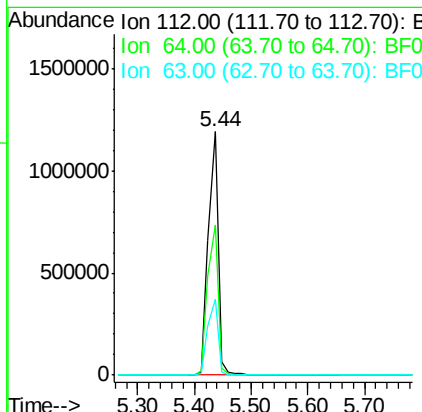
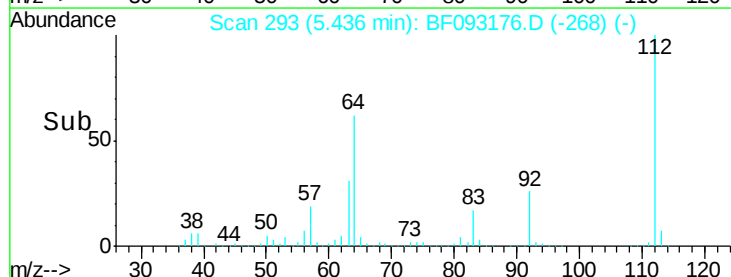


#5
 2-Fluorophenol
 Concen: 154.85 ng
 RT: 5.44 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

Tgt Ion:112 Resp: 1355787
 Ion Ratio Lower Upper
 112 100
 64 61.5 46.1 69.1
 63 31.1 23.8 35.6



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: 140.89 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

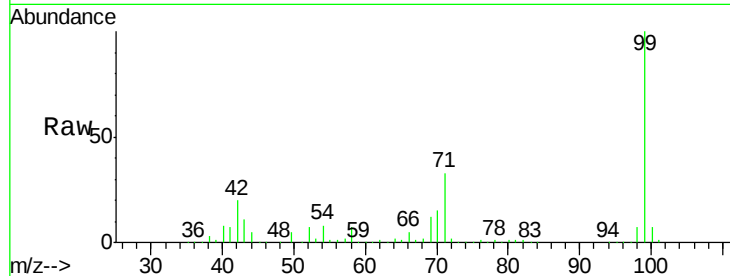
Tgt Ion: 99 Resp: 1587210

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

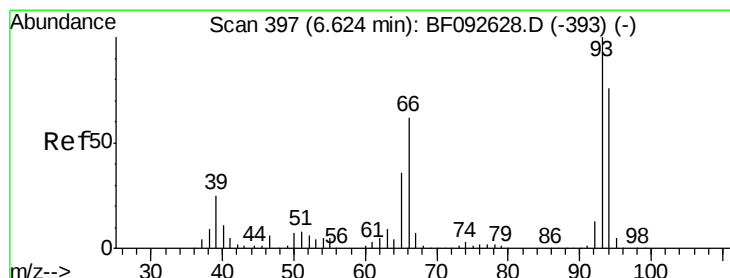
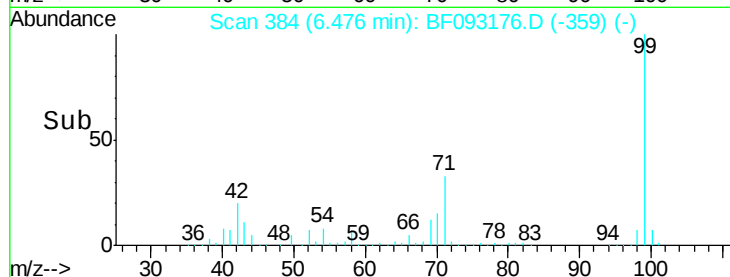
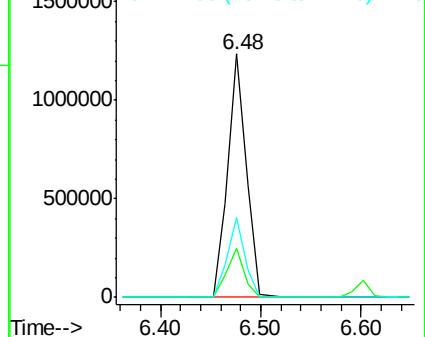
71 32.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.80 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

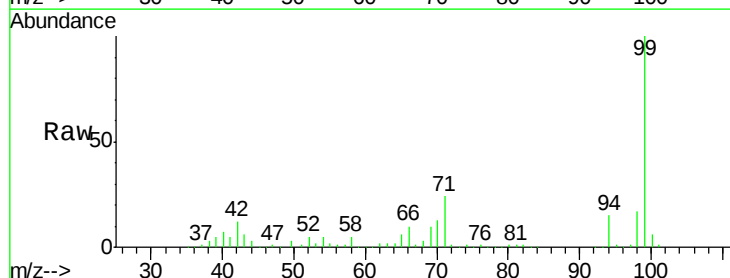
Tgt Ion: 94 Resp: 76421

Ion Ratio Lower Upper

94 100

65 38.4 21.4 61.4

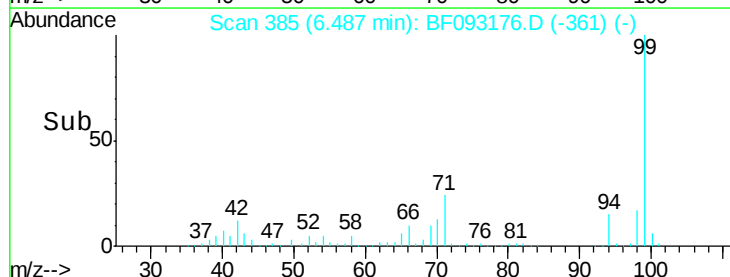
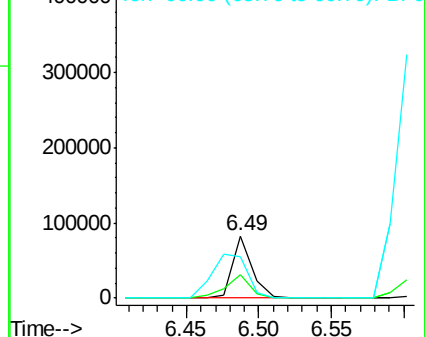
66 66.6 44.0 84.0

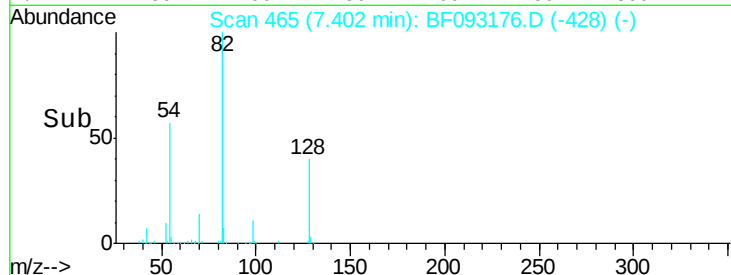
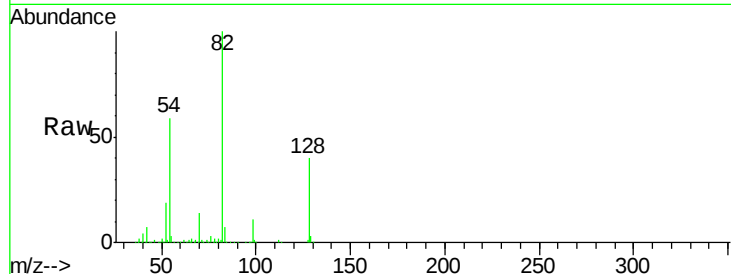


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

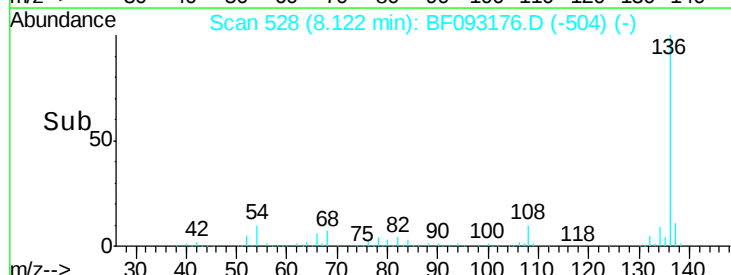
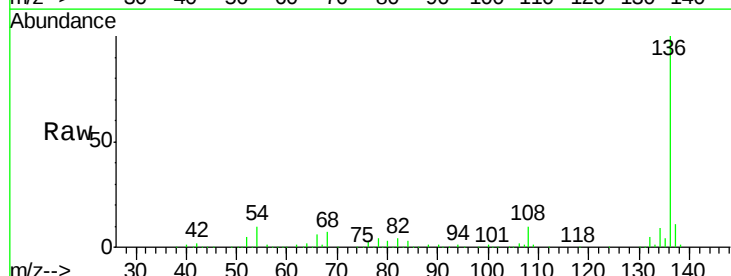
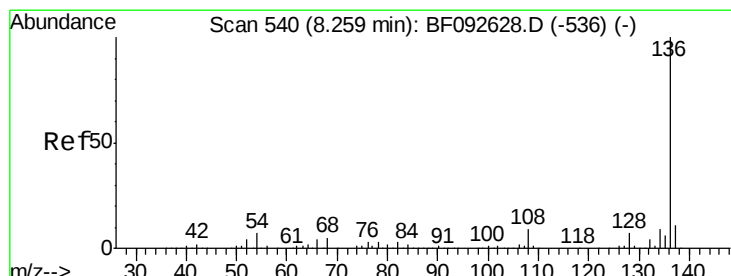
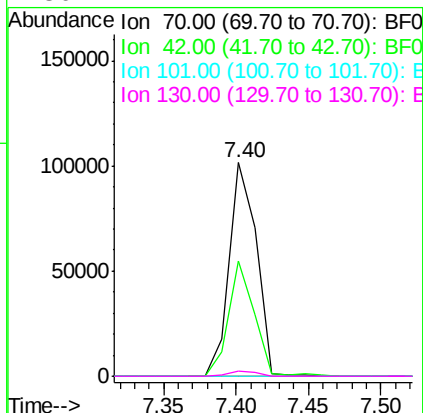




#19
n-Nitroso-di-n-propylamine
Concen: 18.42 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093176.D
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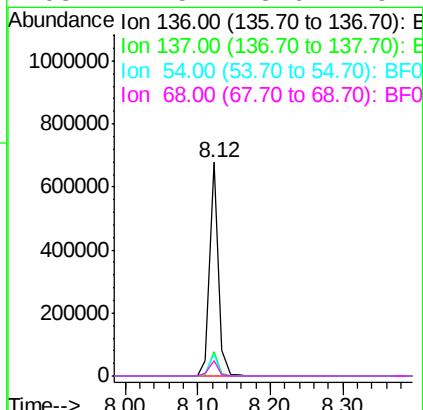
Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tgt Ion:	70	Resp:	132134
Ion	Ratio	Lower	Upper
70	100		
42	54.1	49.4	74.0
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion:	136	Resp:	567282
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	10.1	4.5	6.7#
68	7.5	3.6	5.4#

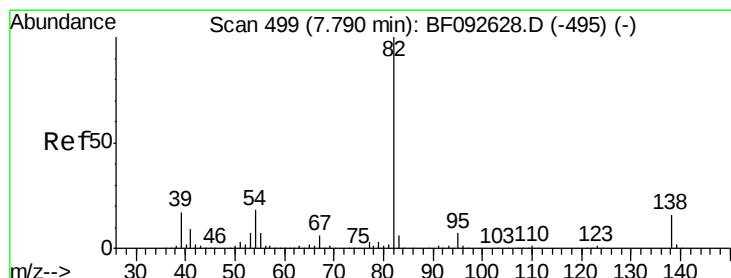
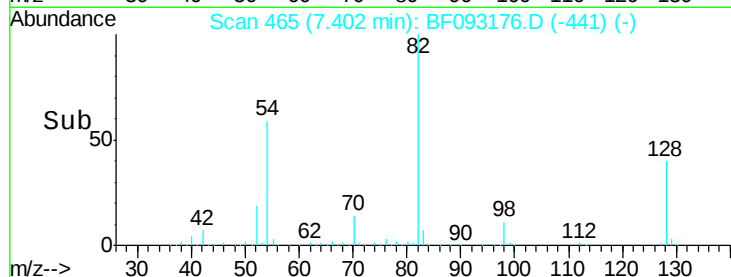
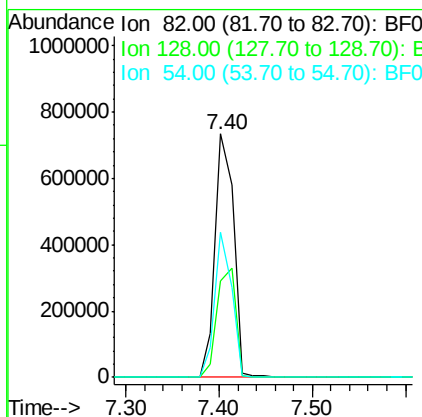
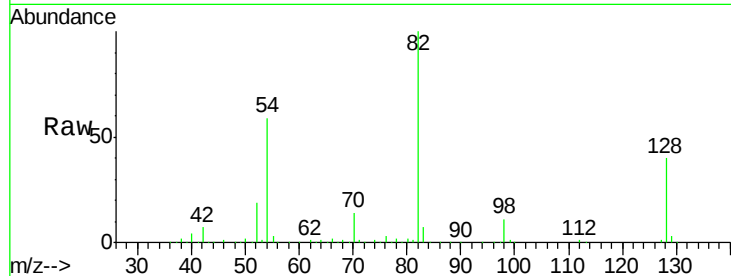




#23
 Nitrobenzene-d5
 Concen: 99.44 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

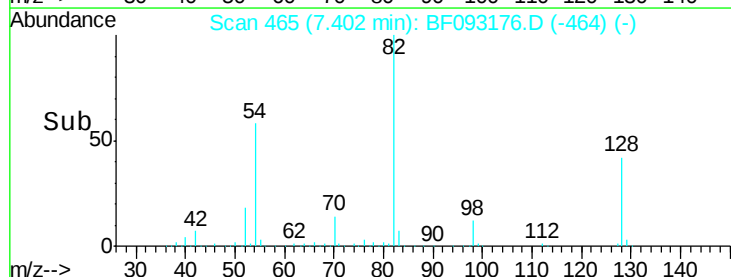
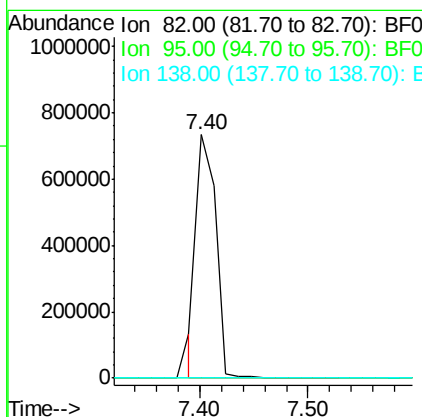
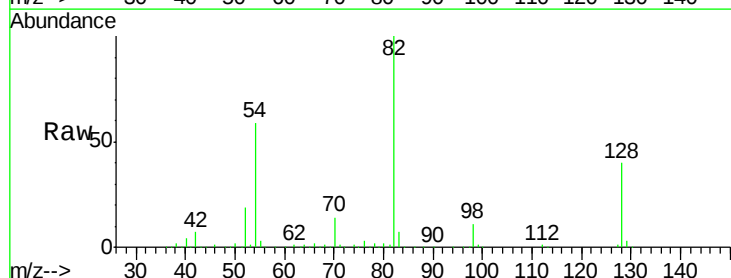
Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5S-SW

Tgt Ion: 82 Resp: 1013037
 Ion Ratio Lower Upper
 82 100
 128 39.7 34.6 52.0
 54 59.4 39.5 59.3#



#25
 Isophorone
 Concen: 48.10 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.29 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

Tgt Ion: 82 Resp: 912973
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

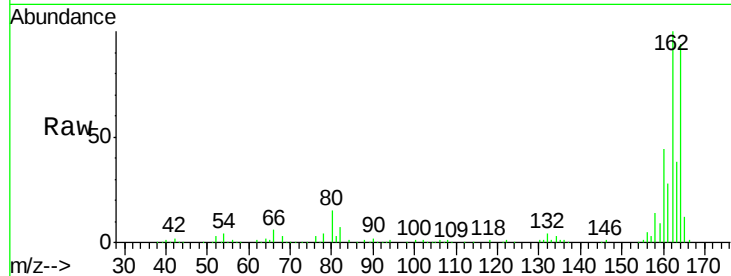
Tgt Ion:164 Resp: 233041

Ion Ratio Lower Upper

164 100

162 106.0 80.2 120.2

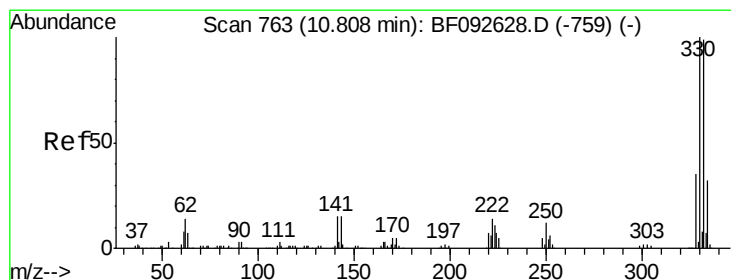
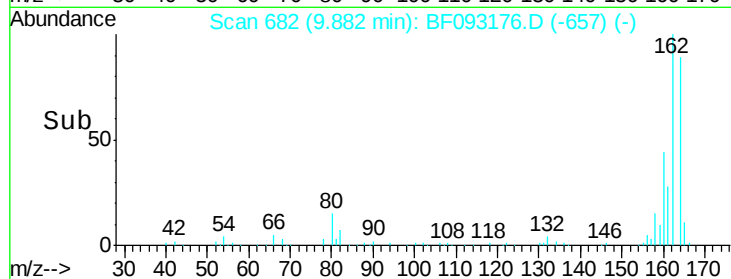
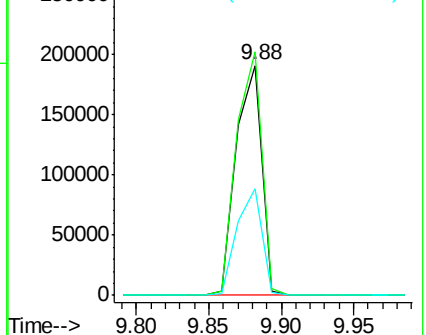
160 46.3 36.9 55.3



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: 137.08 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

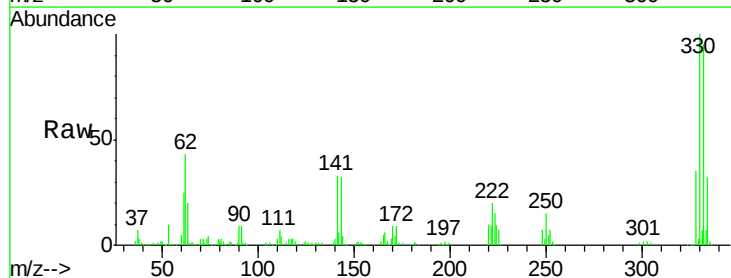
Tgt Ion:330 Resp: 231044

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.2

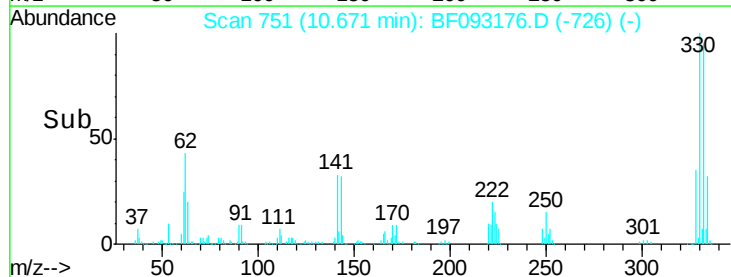
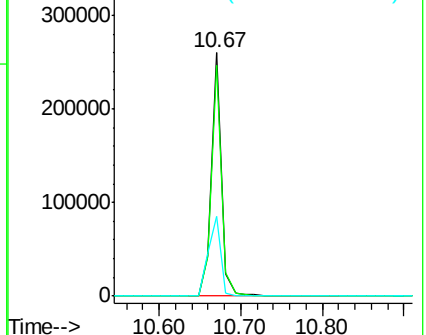
141 40.8 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

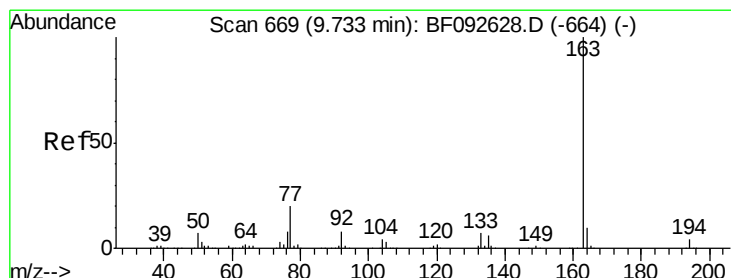
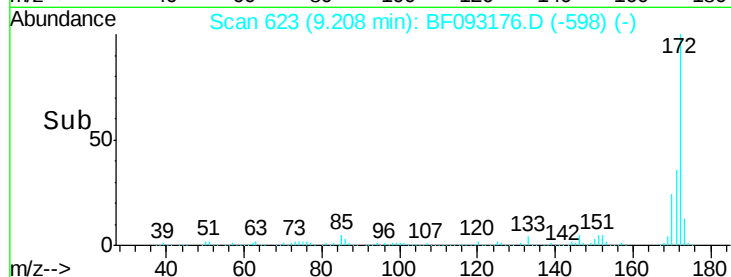
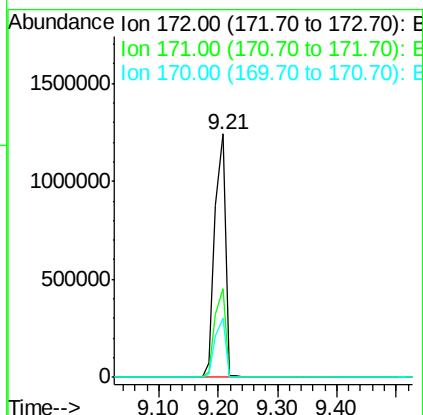
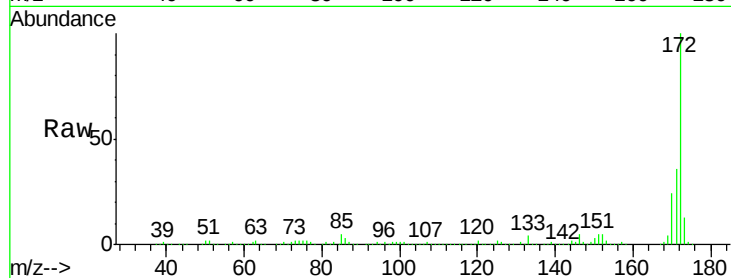




#44
2-Fluorobiphenyl
Concen: 118.99 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

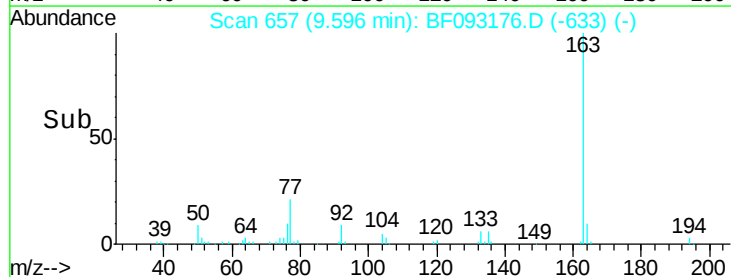
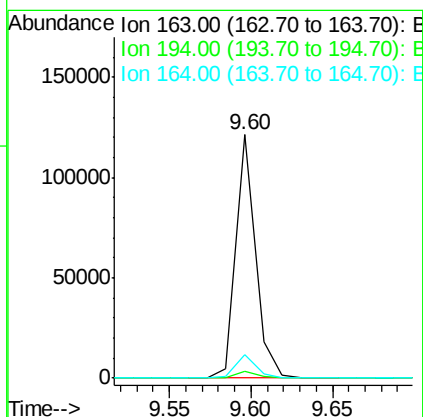
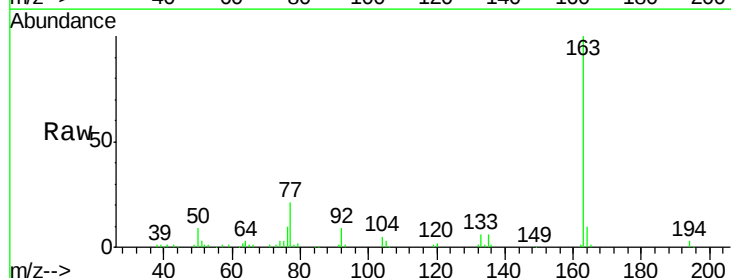
Instrument :
BNA_F
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E2-Y5S-SW

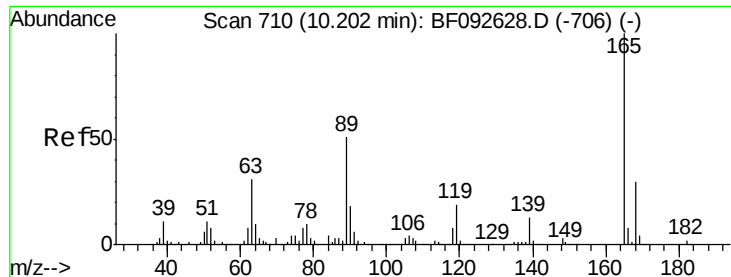
Tgt Ion:172 Resp: 1530558
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.1 20.2 30.4



#49
Dimethylphthalate
Concen: 6.39 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion:163 Resp: 100250
Ion Ratio Lower Upper
163 100
194 2.7 3.0 4.4#
164 9.8 8.0 12.0

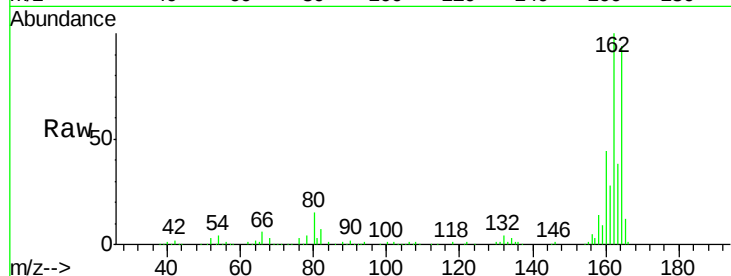




#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.21 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tgt Ion:	165	Resp:	29244
Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.2	60.4#
89	1.9	62.5	93.7#
182	0.0	1.8	2.8#

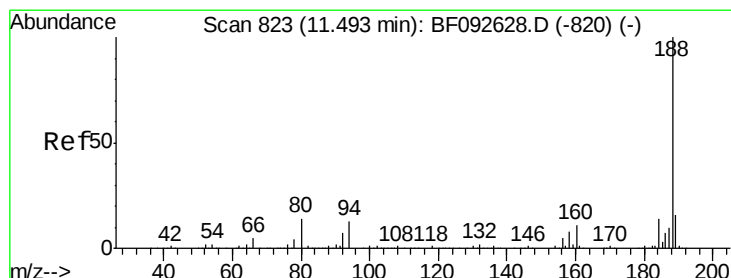
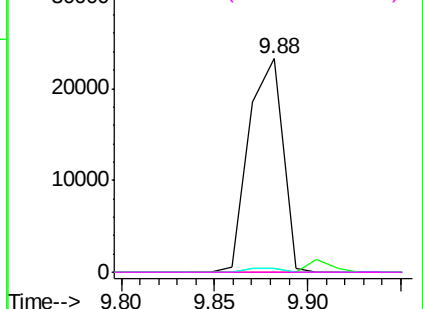
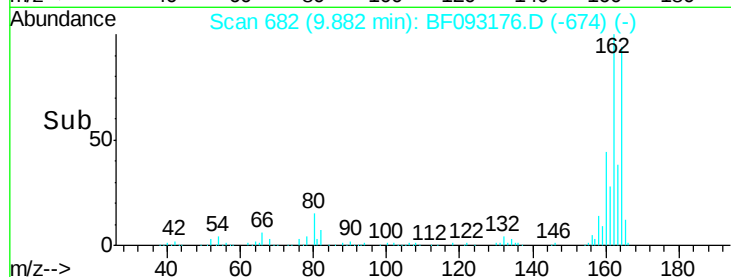


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

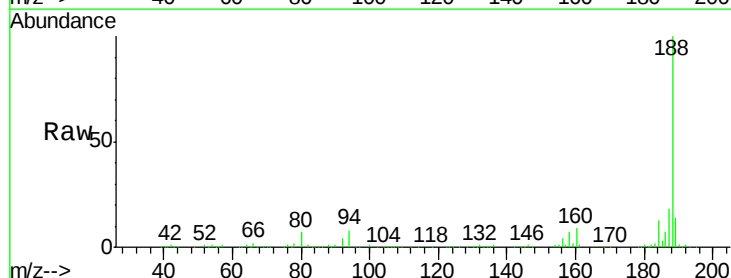
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

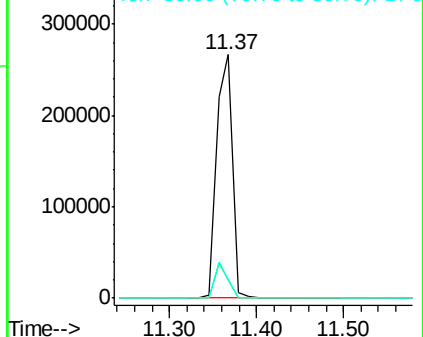
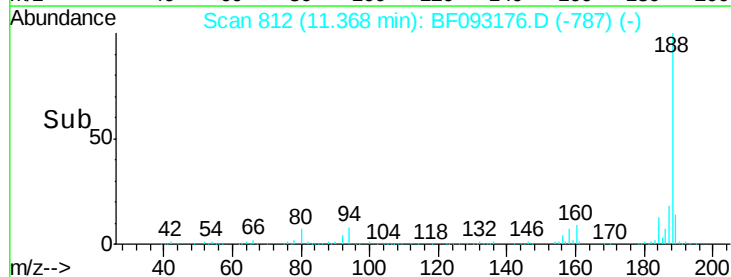
Tgt Ion:	188	Resp:	343314
Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.5	11.2	16.8#

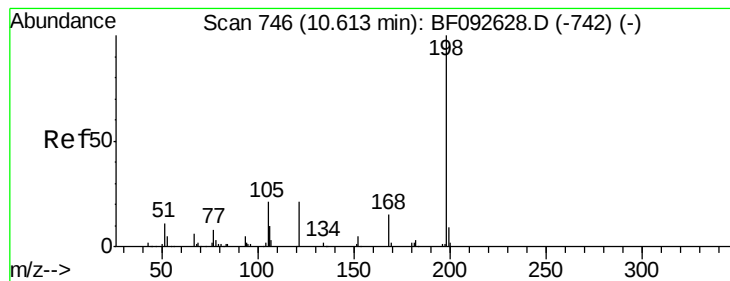


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.88 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

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E2-Y5S-SW

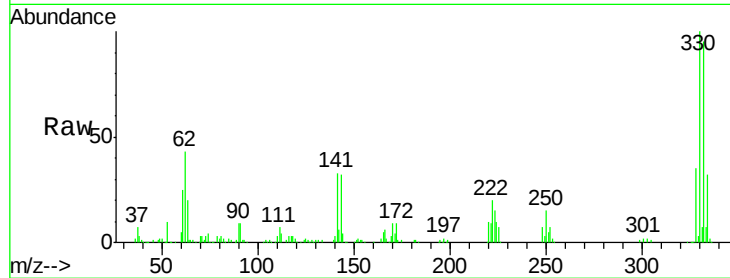
Tgt Ion:198 Resp: 473

Ion Ratio Lower Upper

198 100

51 187.5 6.7 46.7#

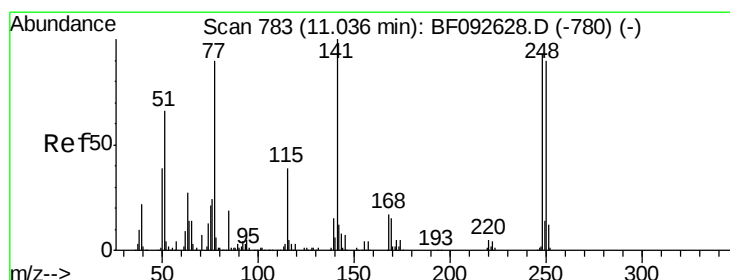
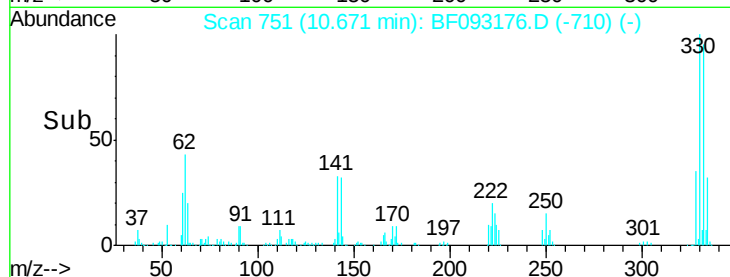
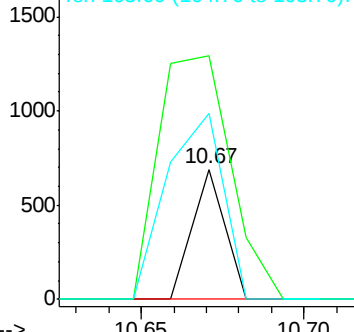
105 143.4 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.91 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

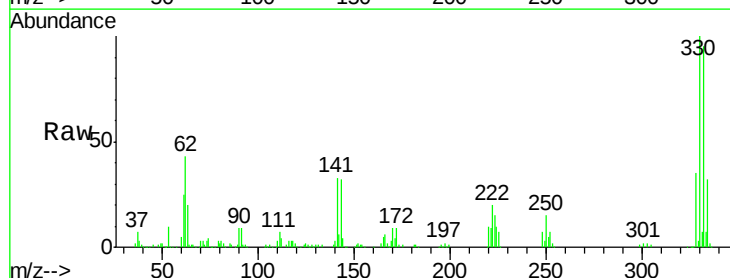
Tgt Ion:248 Resp: 17620

Ion Ratio Lower Upper

248 100

250 202.4 76.9 115.3#

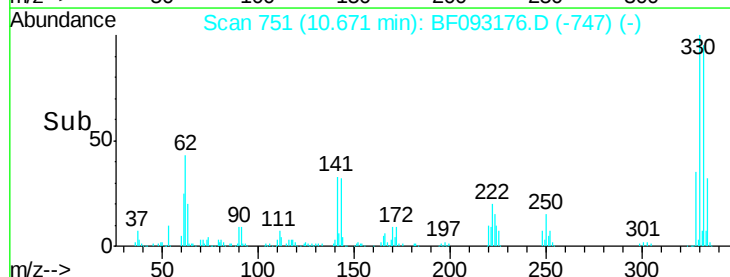
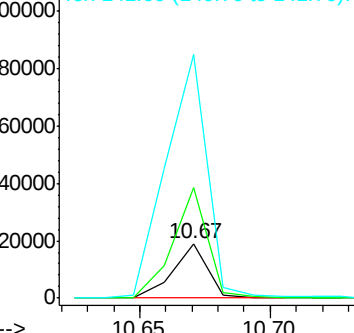
141 448.5 68.2 102.4#

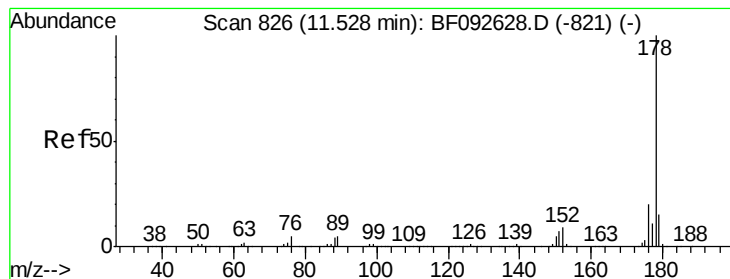


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.11 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

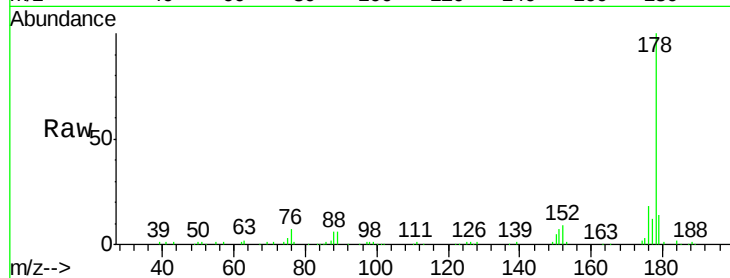
Tgt Ion:178 Resp: 139887

Ion Ratio Lower Upper

178 100

176 18.3 16.6 25.0

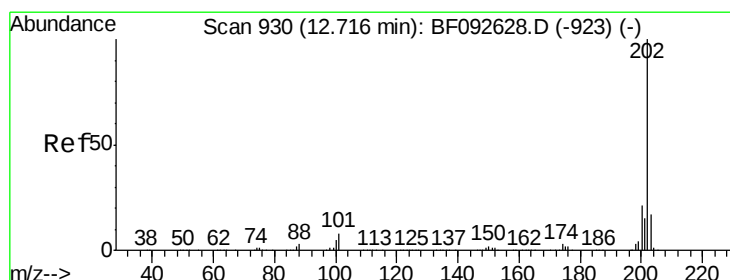
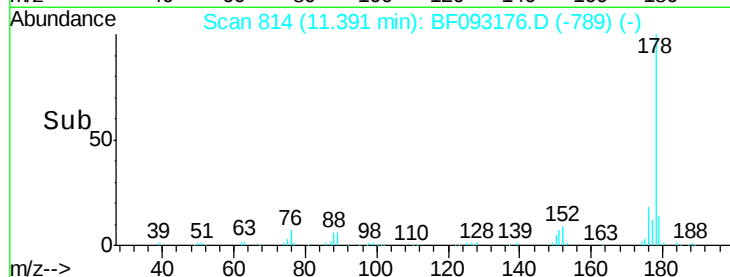
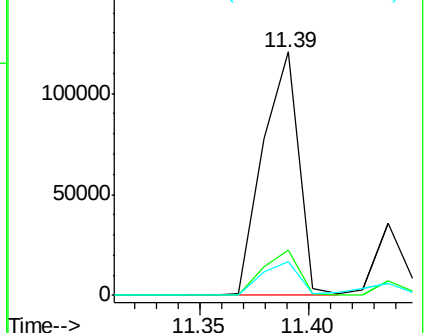
179 14.0 12.8 19.2



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: 7.36 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

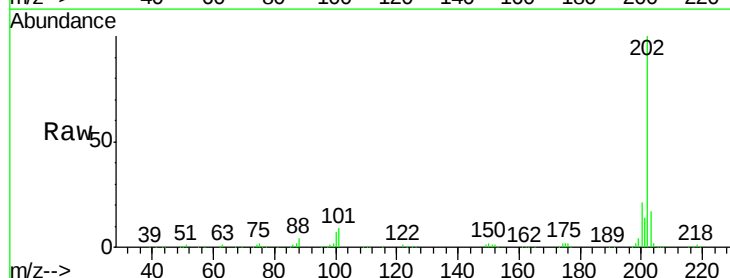
Tgt Ion:202 Resp: 149324

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.6

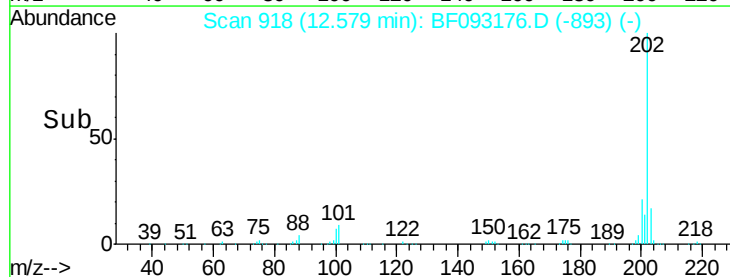
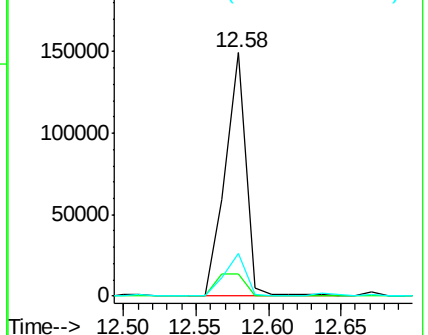
203 17.4 0.0 38.7

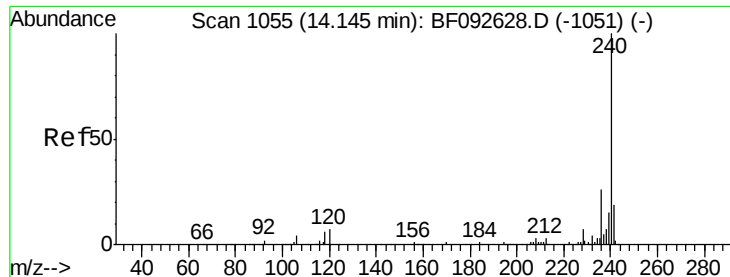


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

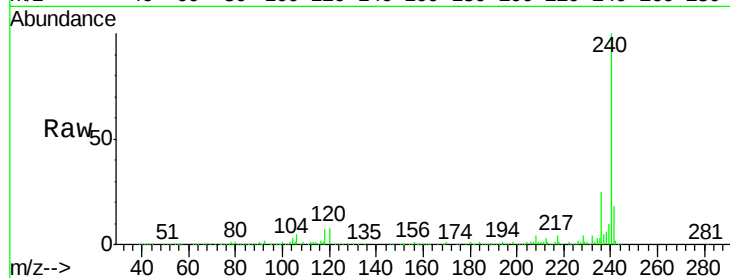
Tgt Ion:240 Resp: 305165

Ion Ratio Lower Upper

240 100

120 8.4 12.9 19.3#

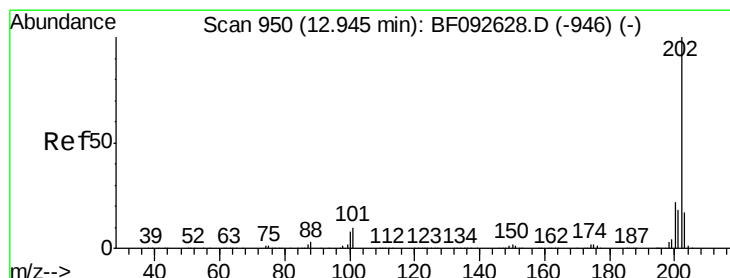
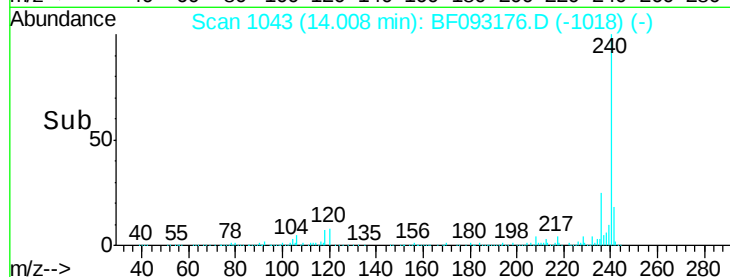
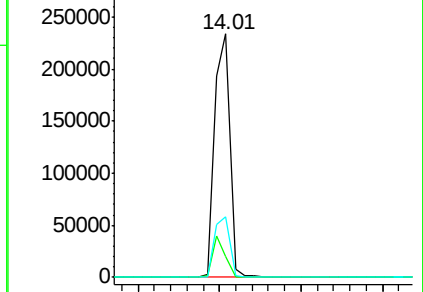
236 24.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.82 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

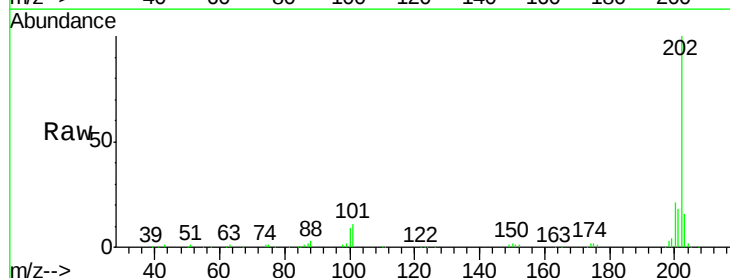
Tgt Ion:202 Resp: 132868

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

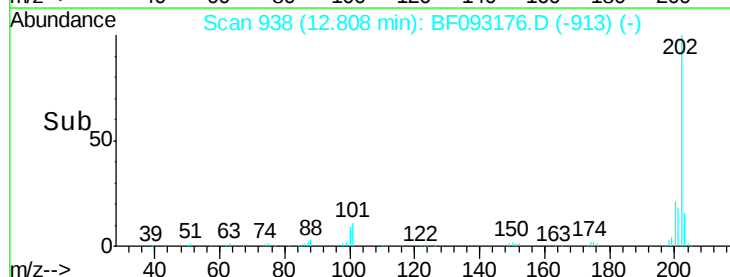
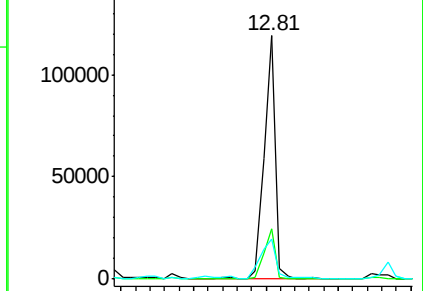
203 16.3 14.7 22.1

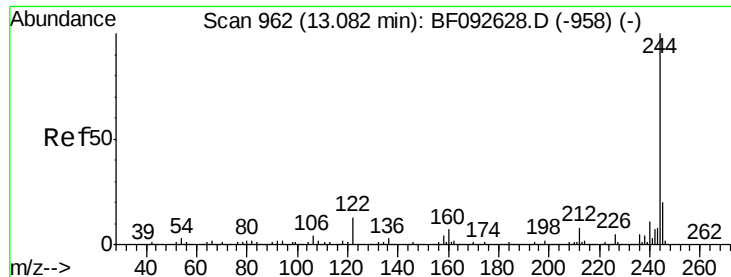


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

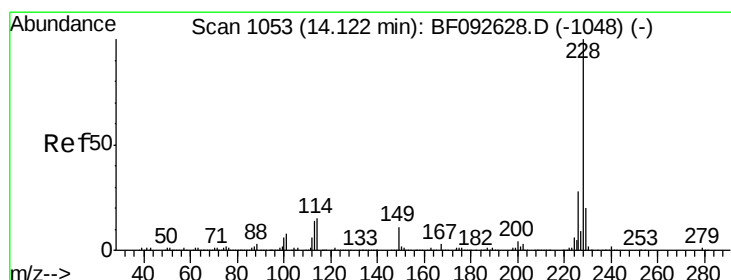
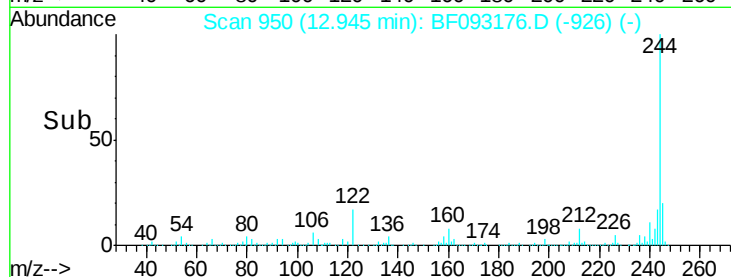
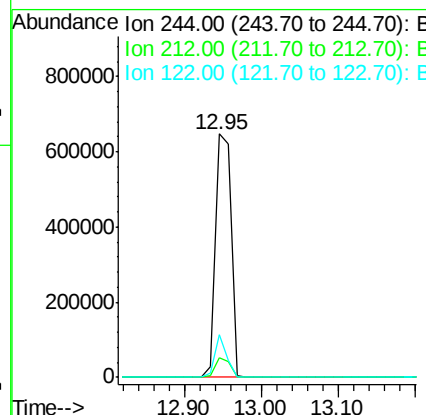
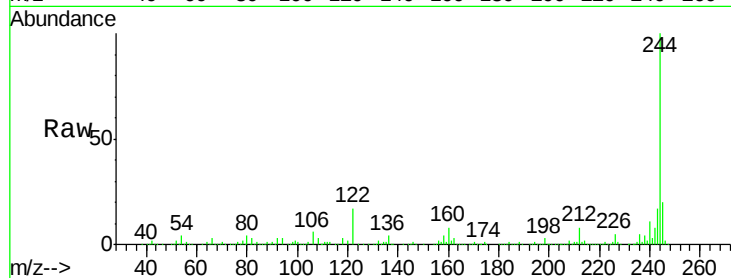




#78
 Terphenyl-d14
 Concen: 69.34 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

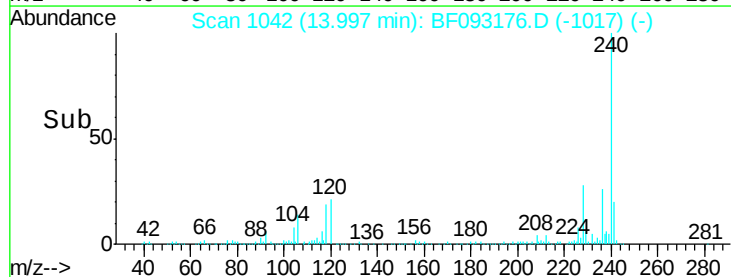
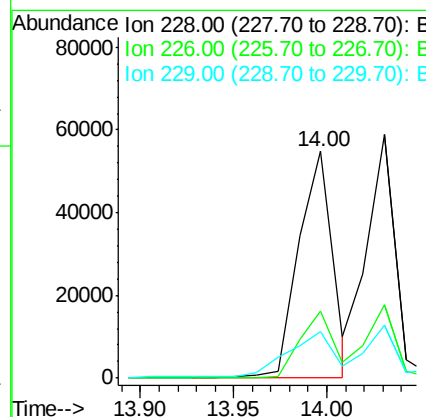
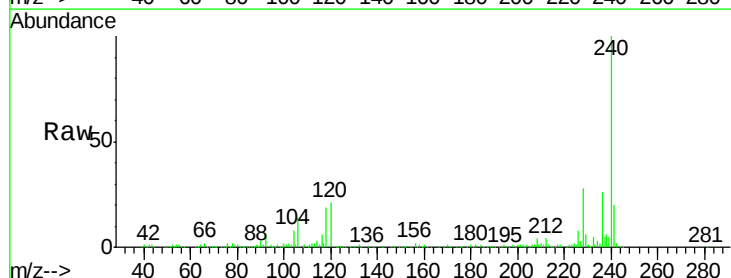
Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5S-SW

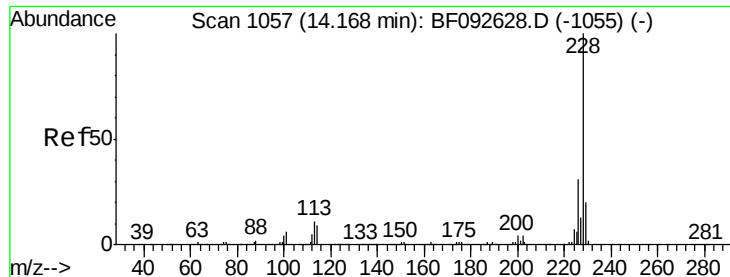
Tgt Ion:244 Resp: 900539
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 17.3 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 3.75 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

Tgt Ion:228 Resp: 69996
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.4 33.6
 229 20.6 16.2 24.4





#82

Chrysene

Concen: 4.01 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

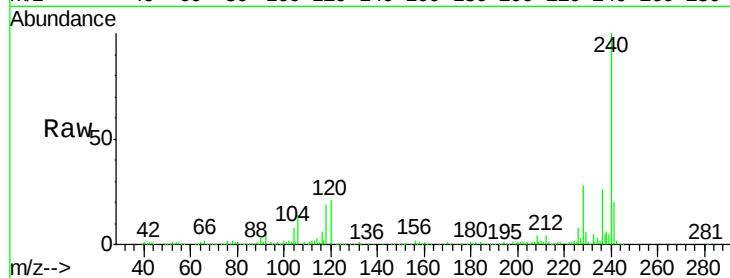
Tgt Ion:228 Resp: 69996

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

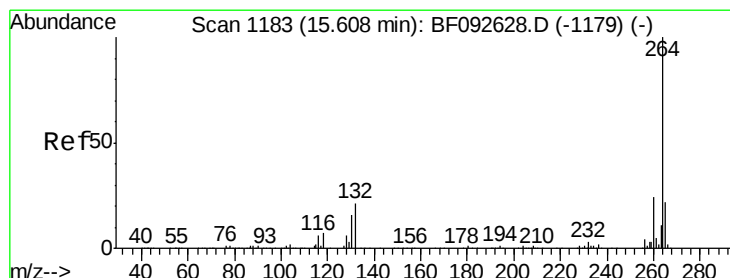
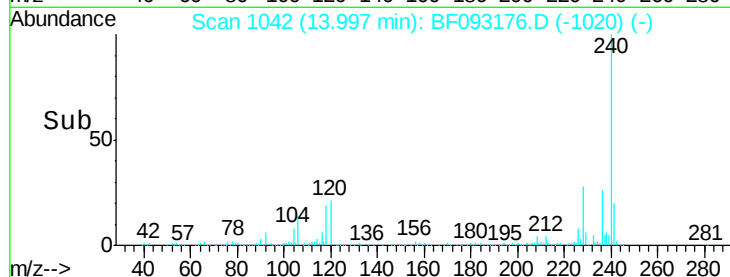
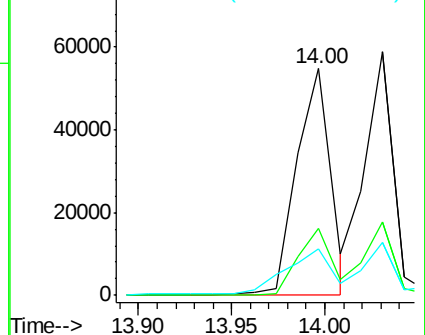
229 20.6 16.2 24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

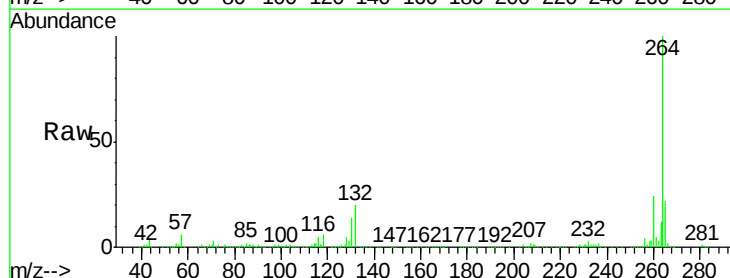
Tgt Ion:264 Resp: 262067

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

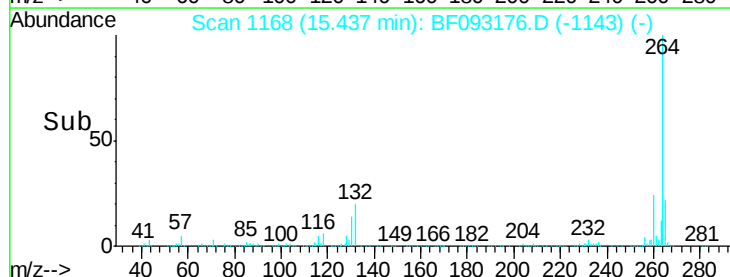
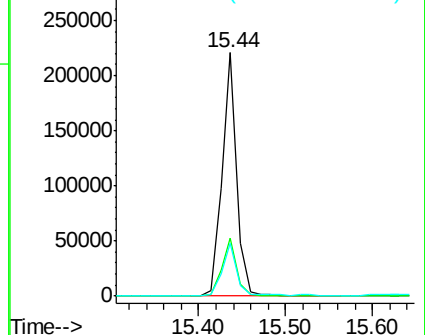
265 21.6 17.4 26.0

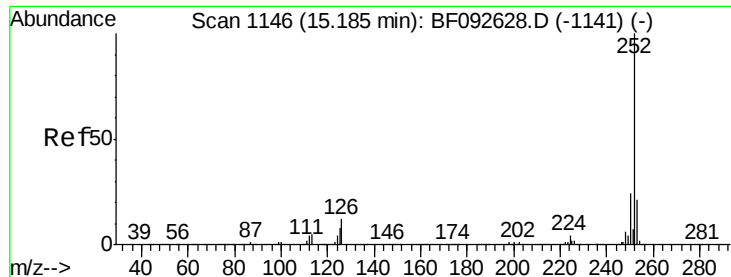


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

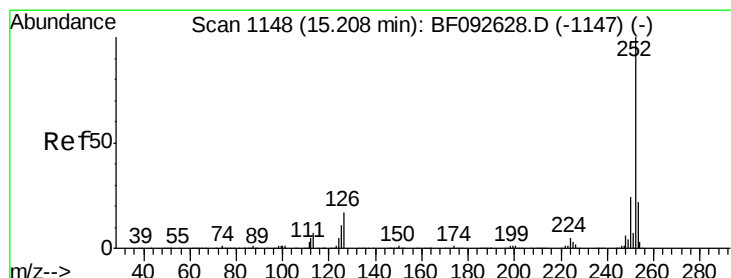
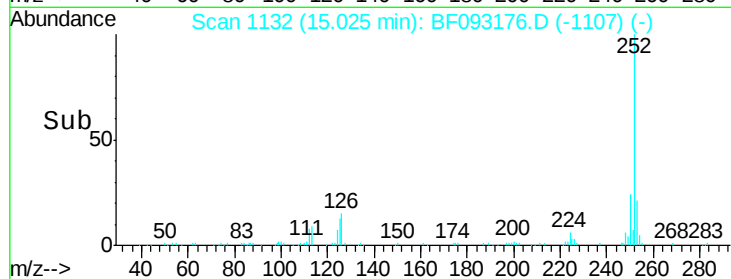
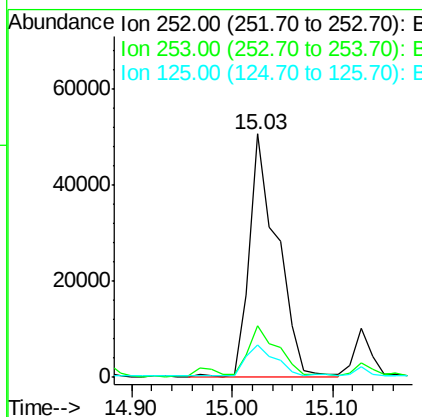
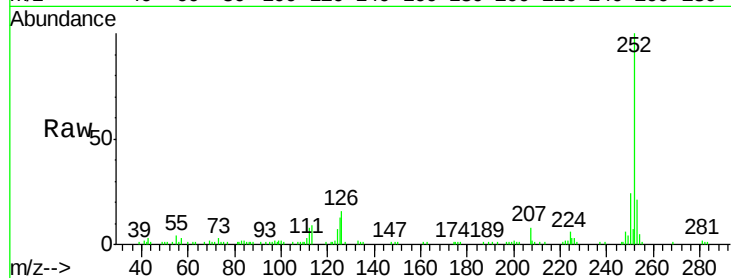




#87
Benzo(b)fluoranthene
Concen: 5.68 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

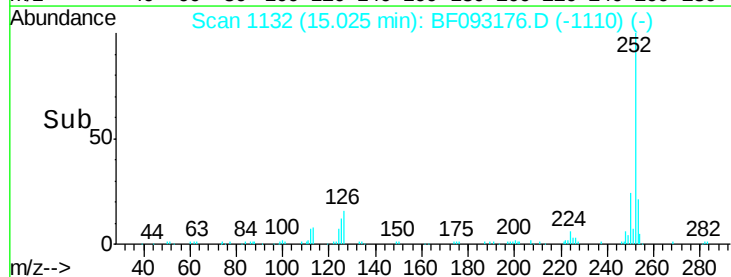
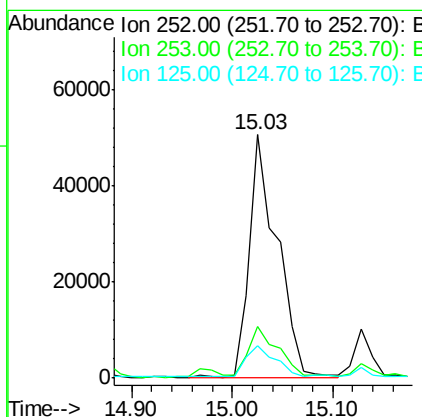
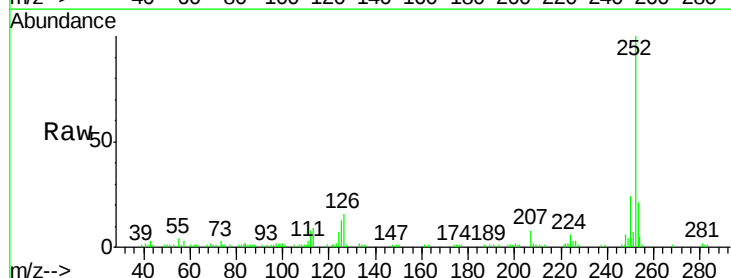
Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

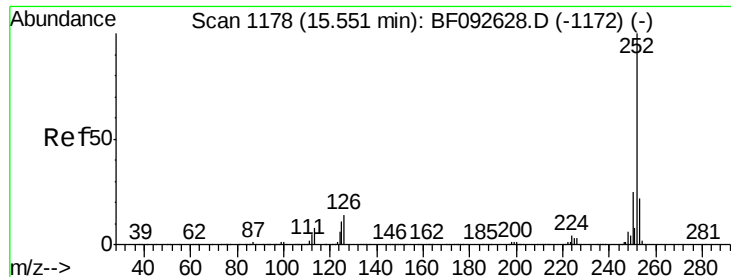
Tgt Ion:252 Resp: 98008
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.4
125 13.1 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 6.58 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion:252 Resp: 98008
Ion Ratio Lower Upper
252 100
253 21.4 18.5 27.7
125 13.1 8.9 13.3





#89

Benzo(a)pyrene

Concen: 3.43 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	9.8	10.0	15.0

