

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092241.D
 Acq On : 13 Jan 2017 11:24
 Operator : UM/SJ
 Sample : I1131-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Quant Time: Jan 13 17:52:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	185770	20.00	ng	-0.05
21) Naphthalene-d8	7.87	136	648541	20.00	ng	-0.07
38) Acenaphthene-d10	9.62	164	322691	20.00	ng	-0.07
63) Phenanthrene-d10	11.10	188	507214	20.00	ng	-0.05
75) Chrysene-d12	13.72	240	339574	20.00	ng	-0.07
86) Perylene-d12	15.08	264	322843	20.00	ng	-0.07

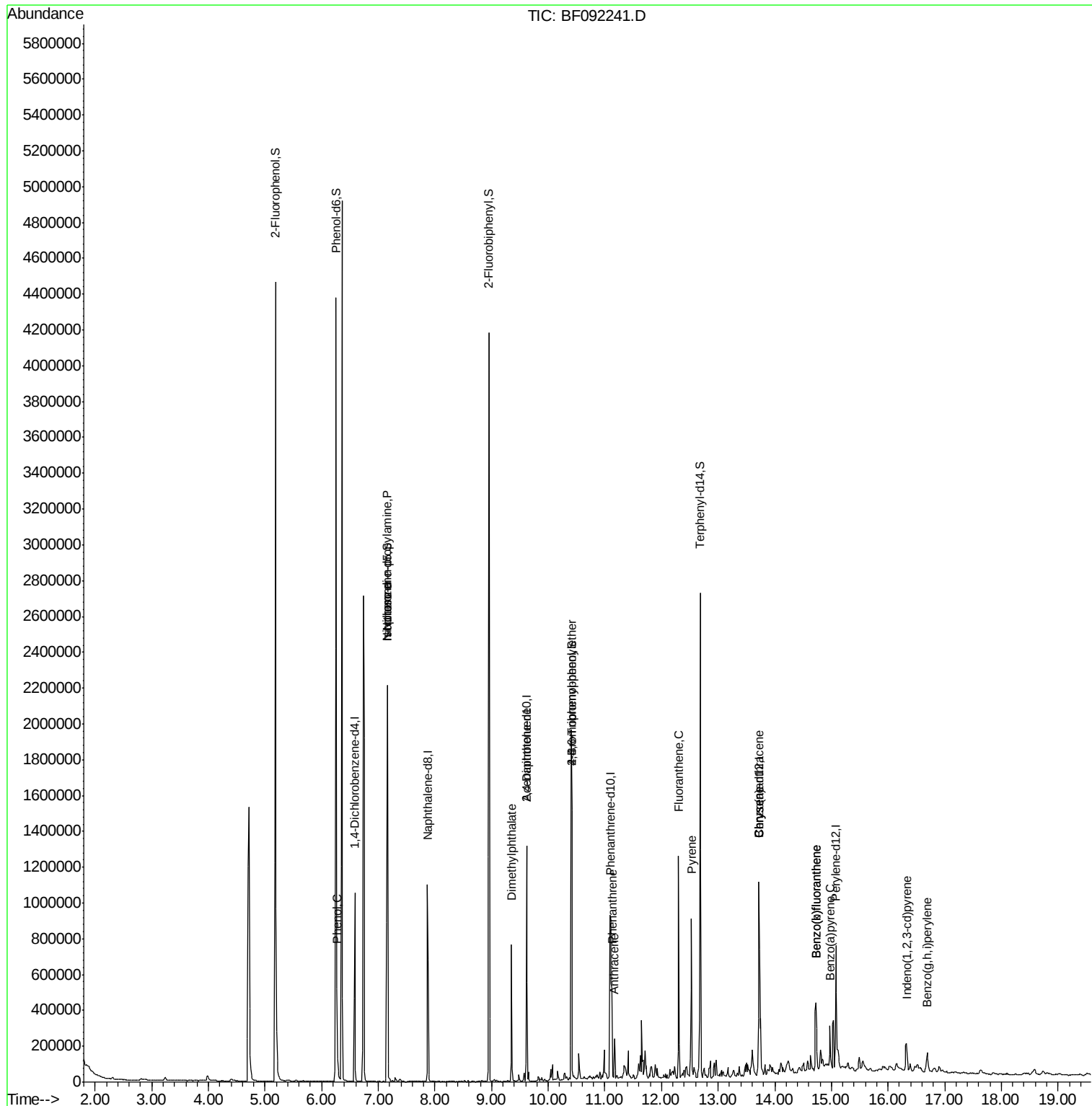
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	1427784	128.33	ng	-0.05
7) Phenol-d6	6.26	99	1791828	131.91	ng	-0.05
23) Nitrobenzene-d5	7.16	82	802941	68.84	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	345959	129.55	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1343049	85.33	ng	-0.05
78) Terphenyl-d14	12.68	244	979243	69.94	ng	-0.07

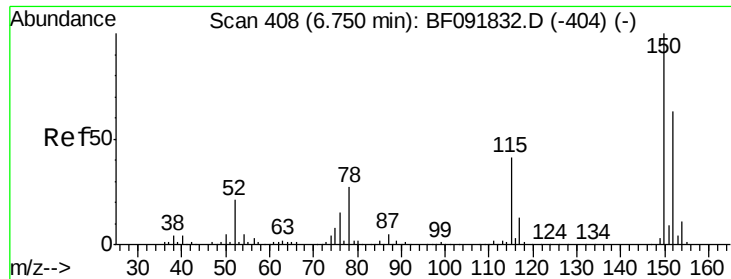
Target Compounds						Qvalue
10) Phenol	6.27	94	97232	6.28	ng	# 66
19) n-Nitroso-di-n-propylamine	7.16	70	107885	11.94	ng	# 75
25) Isophorone	7.16	82	798701	37.12	ng	# 65
37) 2-Methylnaphthalene	8.59	142	2500	Below Cal		96
49) Dimethylphthalate	9.35	163	293108	14.20	ng	99
56) 2,4-Dinitrotoluene	9.62	165	41469	7.31	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	21063	3.99	ng	# 1
70) Phenanthrene	11.12	178	300918	10.94	ng	95
71) Anthracene	11.17	178	82452	2.05	ng	96
73) Di-n-butylphthalate	11.67	149	6110	Below Cal	#	90
74) Fluoranthene	12.30	202	473372	17.26	ng	96
76) Benzidine	12.68	184	12725	Below Cal		96
77) Pyrene	12.53	202	403747	16.21	ng	97
80) Benzo(a)anthracene	13.72	228	184078	9.60	ng	# 92
82) Chrysene	13.72	228	184078	9.57	ng	96
85) Indeno(1,2,3-cd)pyrene	16.33	276	101815	6.11	ng	97
87) Benzo(b)fluoranthene	14.73	252	279562	13.91	ng	99
88) Benzo(k)fluoranthene	14.73	252	279562	16.31	ng	99
89) Benzo(a)pyrene	14.98	252	96982	5.44	ng	96
91) Benzo(g,h,i)perylene	16.69	276	84792	5.56	ng	# 95

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

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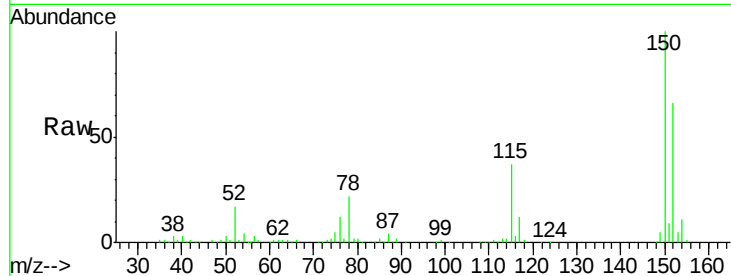


#1

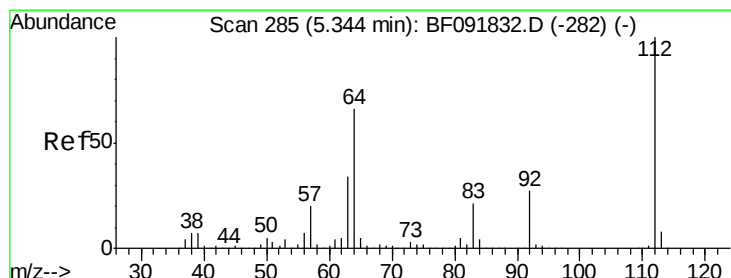
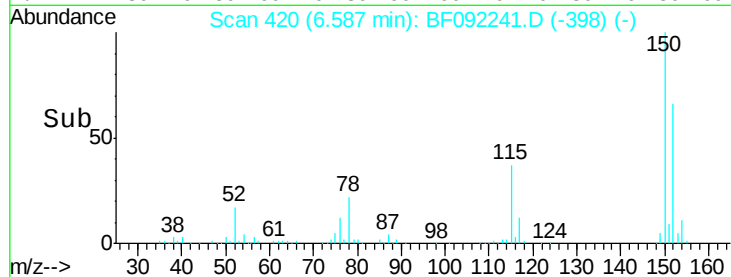
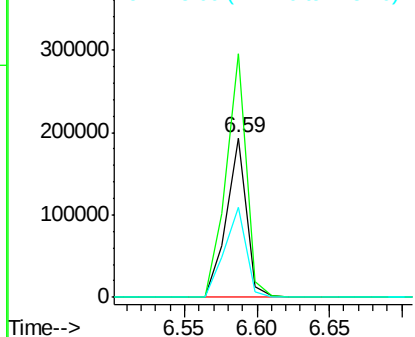
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 420
Delta R.T. -0.05 min
Lab File: BF092241.D
Acq: 13 Jan 2017 11:24

Instrument :
BNA_F
ClientSampleId :
SW-001

Tgt Ion:152 Resp: 185770
Ion Ratio Lower Upper
152 100
150 152.6 124.9 187.3
115 56.6 46.0 69.0



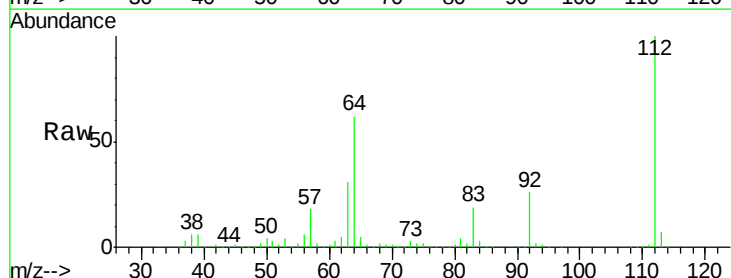
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



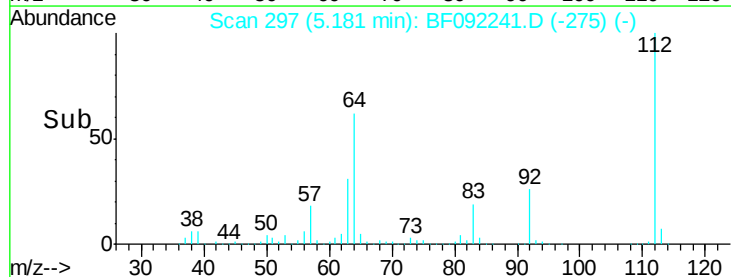
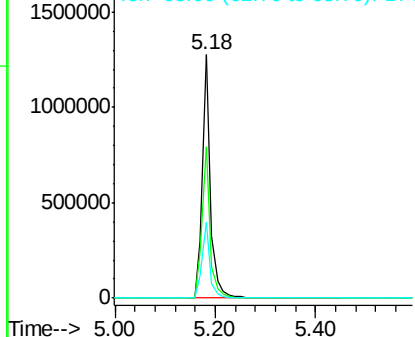
#5

2-Fluorophenol
Concen: 128.33 ng
RT: 5.18 min Scan# 297
Delta R.T. -0.05 min
Lab File: BF092241.D
Acq: 13 Jan 2017 11:24

Tgt Ion:112 Resp: 1427784
Ion Ratio Lower Upper
112 100
64 62.1 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: 131.91 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

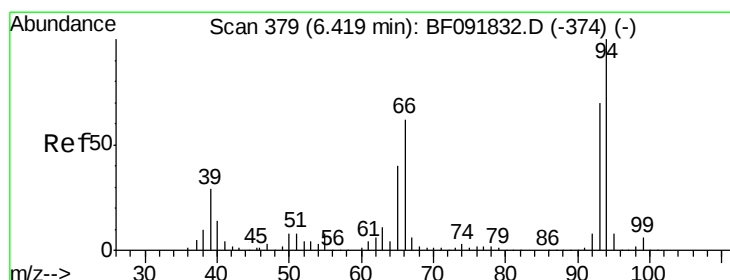
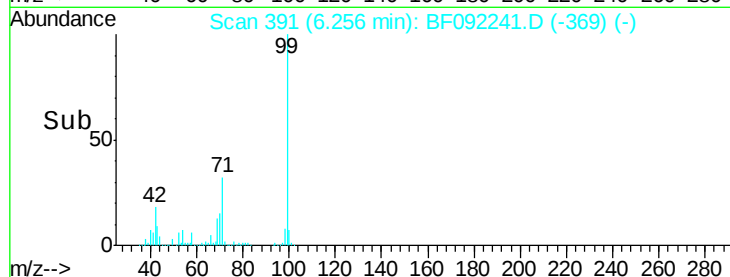
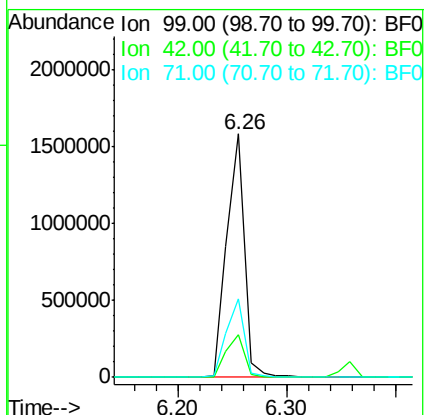
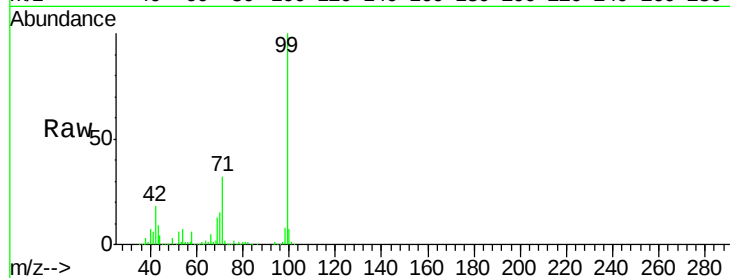
Tgt Ion: 99 Resp: 1791828

Ion Ratio Lower Upper

99 100

42 17.5 15.6 23.4

71 32.3 27.5 41.3



#10

Phenol

Concen: 6.28 ng

RT: 6.27 min Scan# 392

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

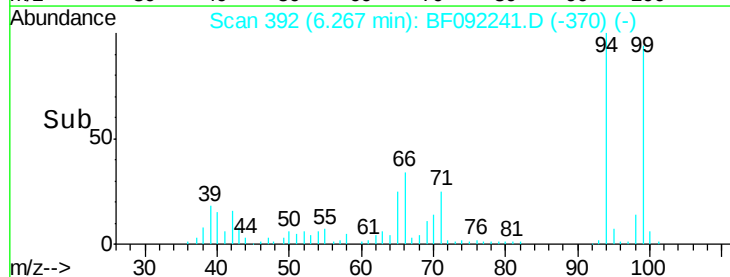
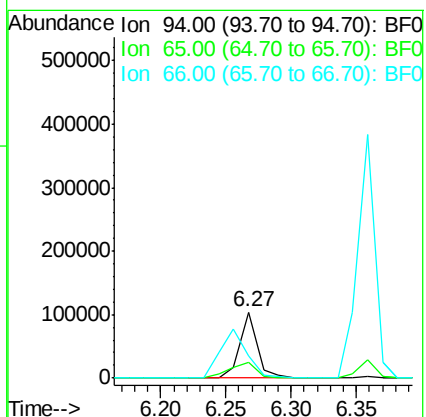
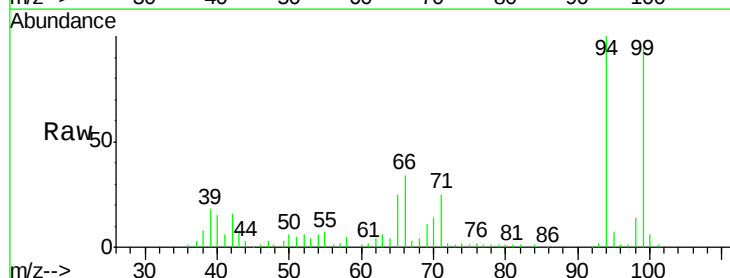
Tgt Ion: 94 Resp: 97232

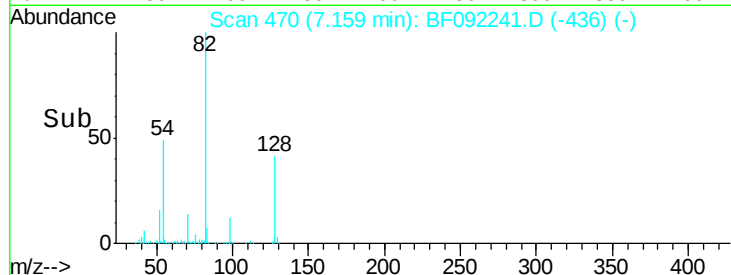
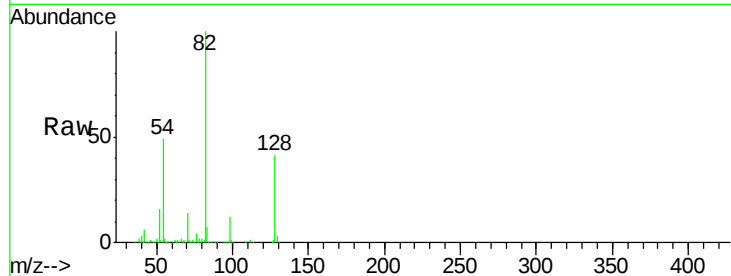
Ion Ratio Lower Upper

94 100

65 24.9 21.4 61.4

66 34.0 44.0 84.0#

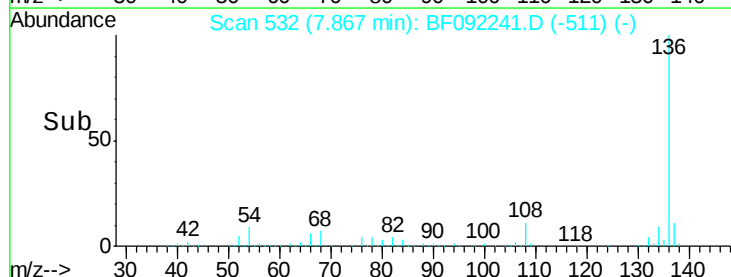
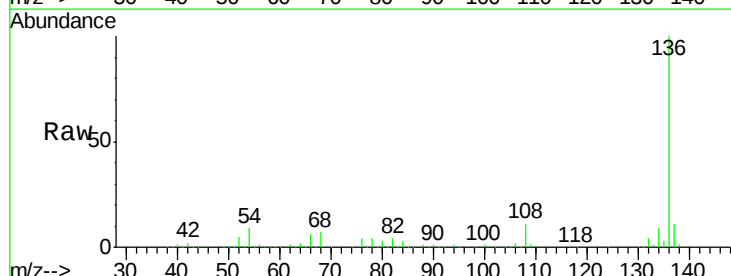
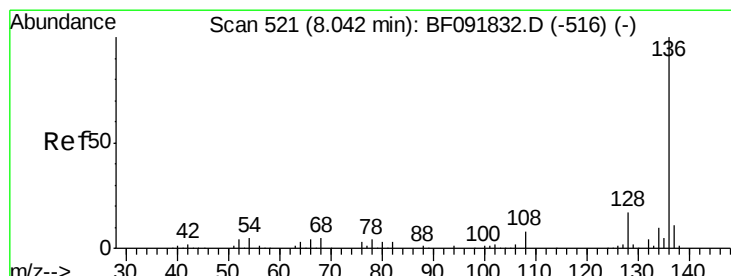
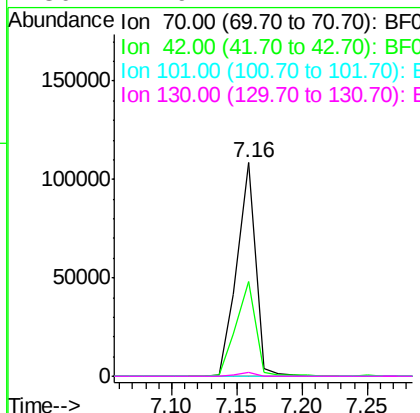




#19
n-Nitroso-di-n-propylamine
Concen: 11.94 ng
RT: 7.16 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092241.D
Acq: 13 Jan 2017 11:24

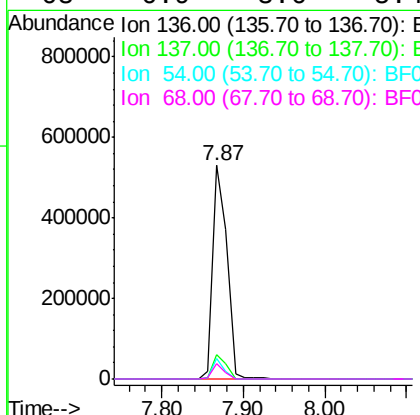
Instrument :
BNA_F
ClientSampleId :
SW-001

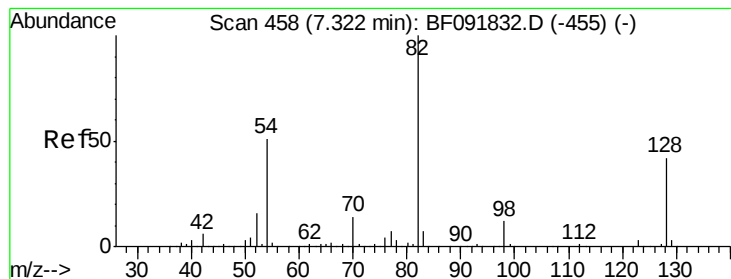
Tgt Ion: 70 Resp: 107885
Ion Ratio Lower Upper
70 100
42 44.5 49.4 74.0#
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 532
Delta R.T. -0.07 min
Lab File: BF092241.D
Acq: 13 Jan 2017 11:24

Tgt Ion: 136 Resp: 648541
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.3 4.5 6.7#
68 6.9 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 68.84 ng

RT: 7.16 min Scan# 470

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampled :

SW-001

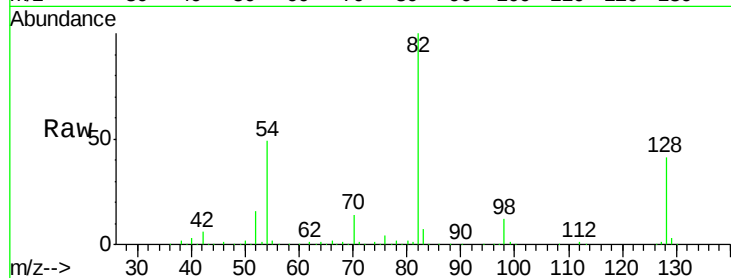
Tgt Ion: 82 Resp: 802941

Ion Ratio Lower Upper

82 100

128 40.7 34.6 52.0

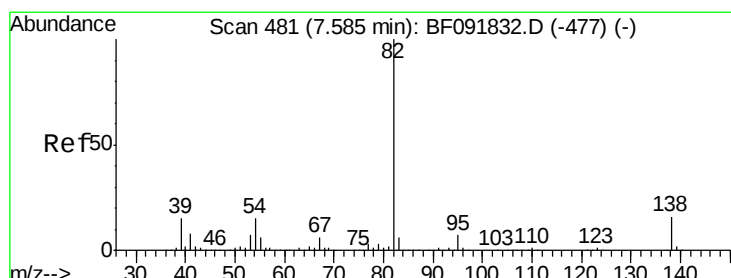
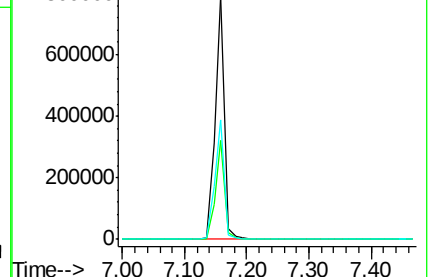
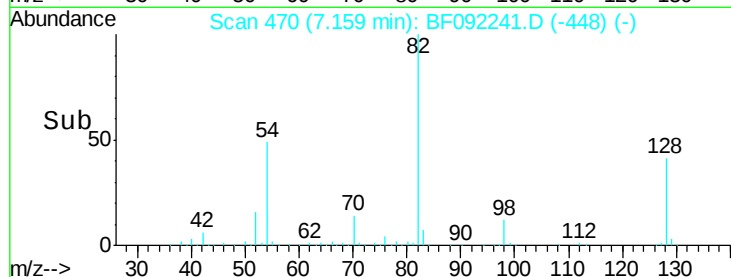
54 49.1 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 37.12 ng

RT: 7.16 min Scan# 470

Delta R.T. -0.32 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

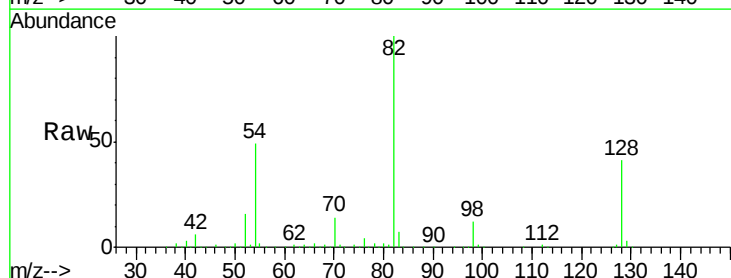
Tgt Ion: 82 Resp: 798701

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

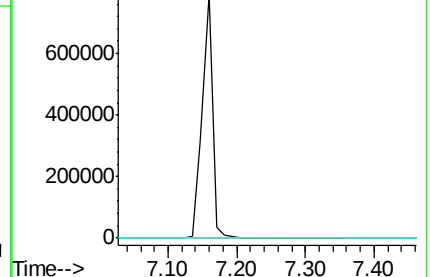
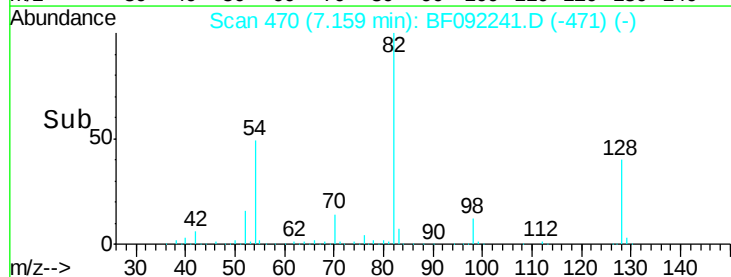
138 0.0 14.6 22.0#

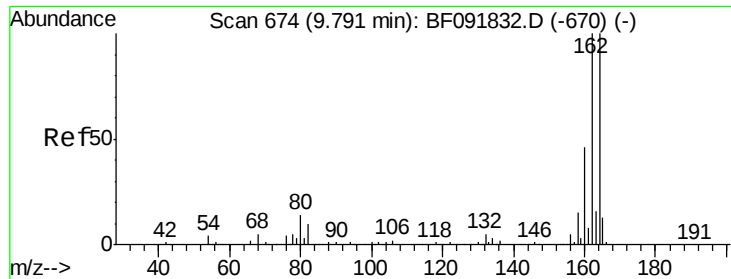


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

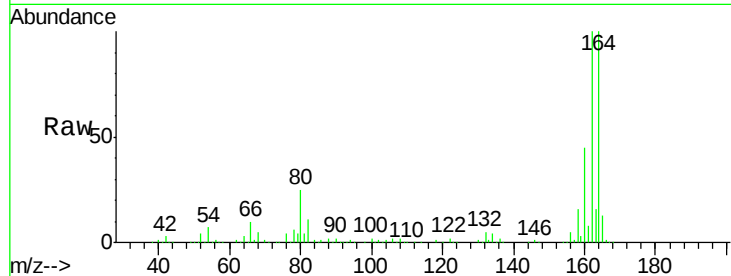
Tgt Ion:164 Resp: 322691

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

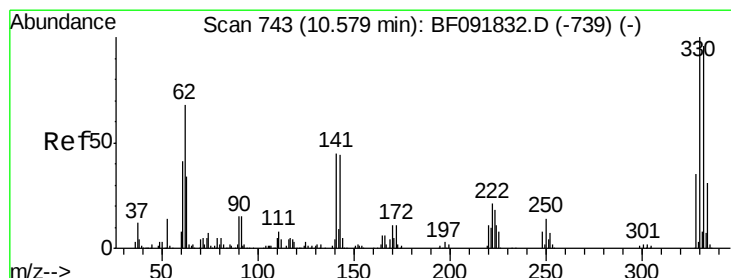
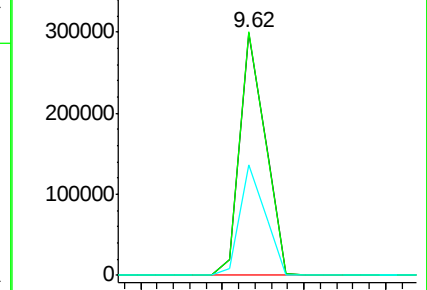
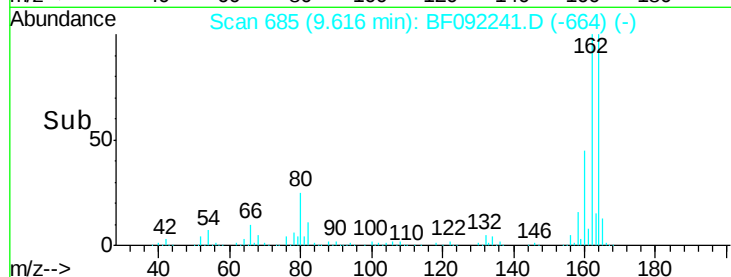
160 45.4 36.9 55.3



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: 129.55 ng

RT: 10.42 min Scan# 755

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

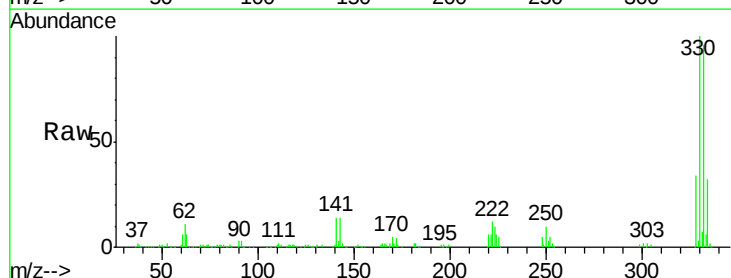
Tgt Ion:330 Resp: 345959

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

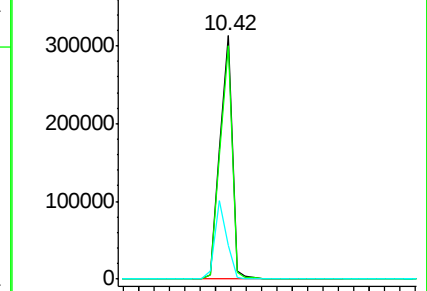
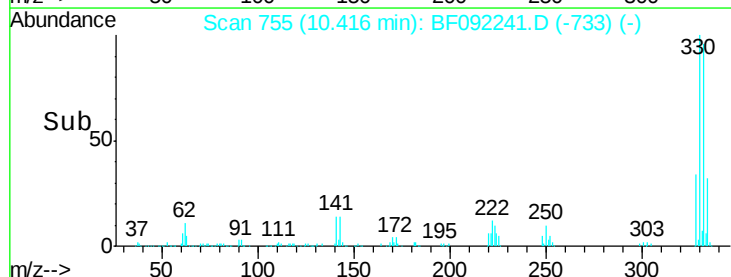
141 31.6 34.1 51.1#

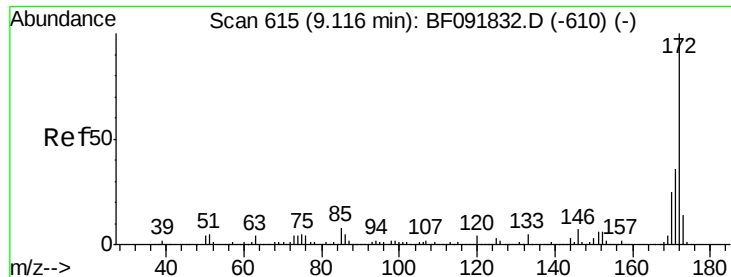


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

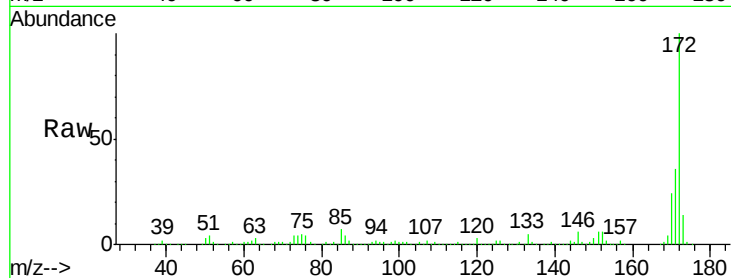




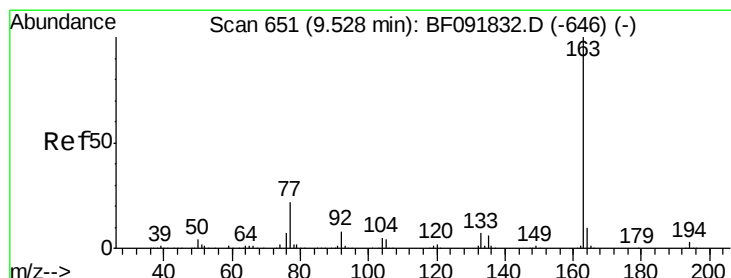
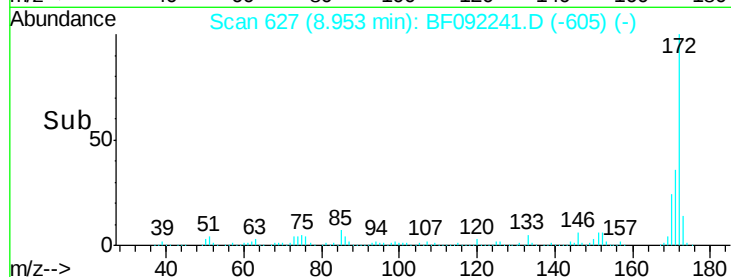
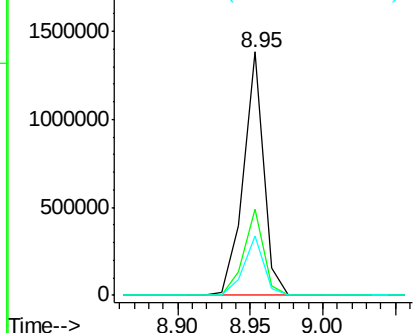
#44
 2-Fluorobiphenyl
 Concen: 85.33 ng
 RT: 8.95 min Scan# 627
 Delta R.T. -0.05 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Tgt Ion:172 Resp: 1343049
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 24.1 20.2 30.4

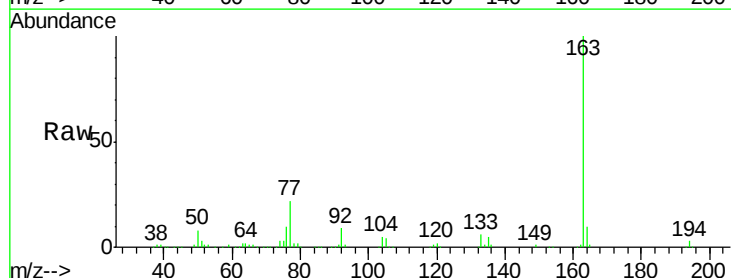


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

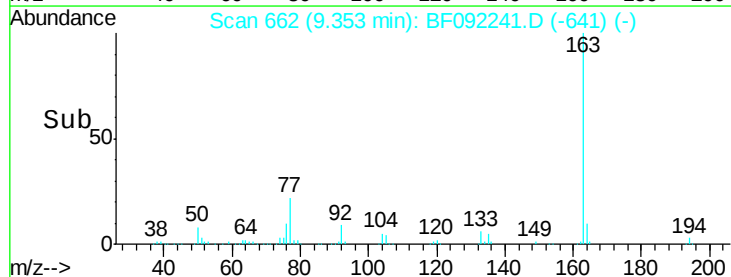
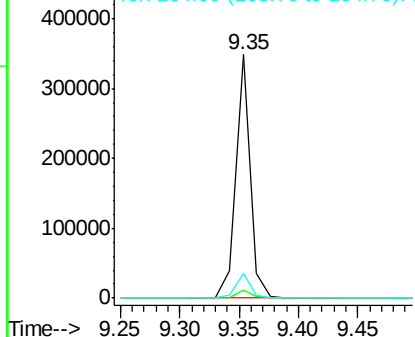


#49
 Dimethylphthalate
 Concen: 14.20 ng
 RT: 9.35 min Scan# 662
 Delta R.T. -0.07 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Tgt Ion:163 Resp: 293108
 Ion Ratio Lower Upper
 163 100
 194 3.1 3.0 4.4
 164 10.2 8.0 12.0



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

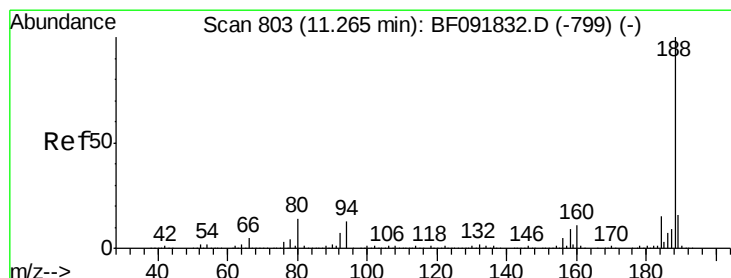
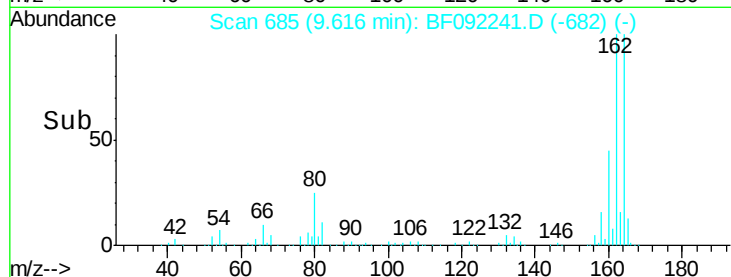
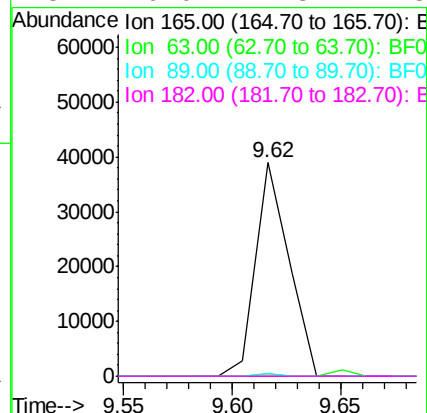
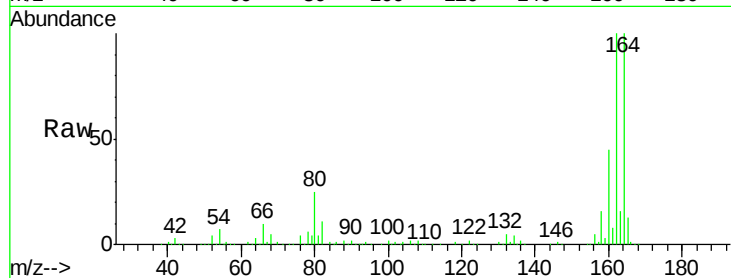




#56
 2,4-Dinitrotoluene
 Concen: 7.31 ng
 RT: 9.62 min Scan# 685
 Delta R.T. -0.27 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

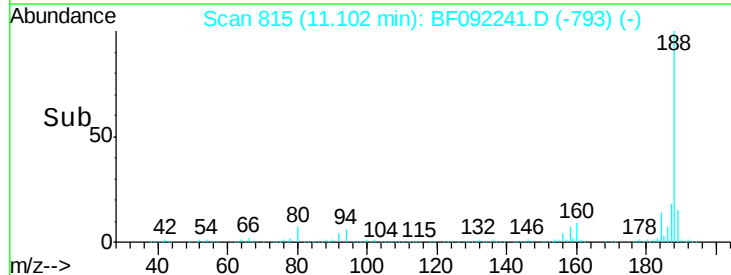
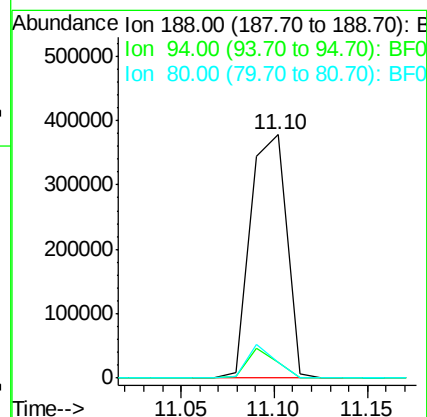
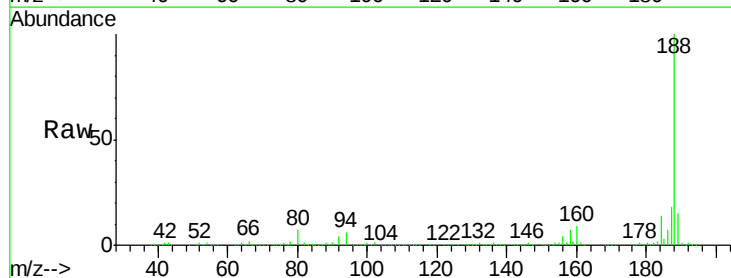
Instrument :
 BNA_F
 ClientSampleId :
 SW-001

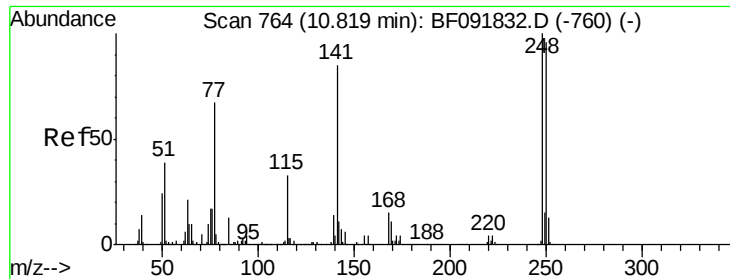
Tgt Ion:	165	Resp:	41469
Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 815
 Delta R.T. -0.05 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Tgt Ion:	188	Resp:	507214
Ion	Ratio	Lower	Upper
188	100		
94	6.3	10.0	15.0#
80	6.7	11.2	16.8#

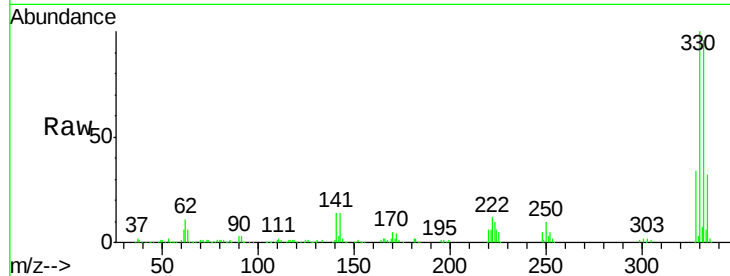




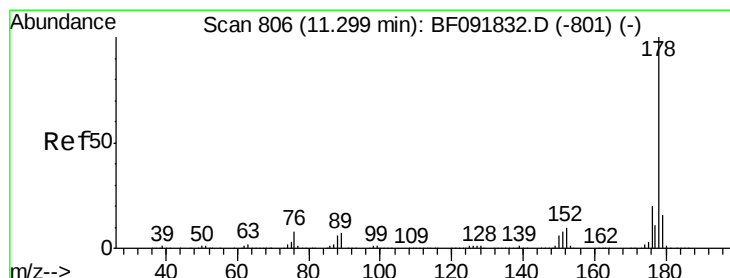
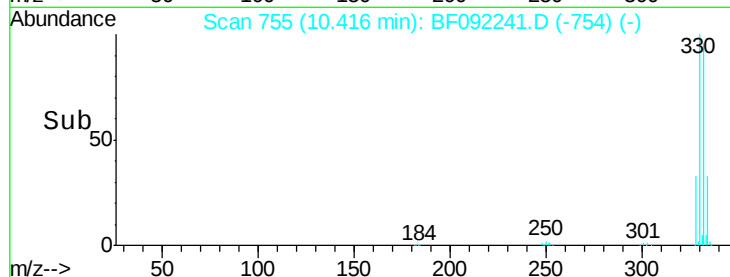
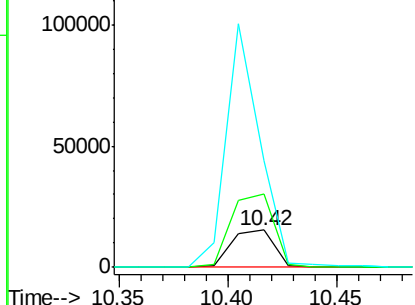
#66
 4-Bromophenyl-phenylether
 Concen: 3.99 ng
 RT: 10.42 min Scan# 755
 Delta R.T. -0.29 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Instrument :
 BNA_F
 ClientSampled :
 SW-001

Tgt Ion:248 Resp: 21063
 Ion Ratio Lower Upper
 248 100
 250 197.7 76.9 115.3#
 141 285.9 68.2 102.4#

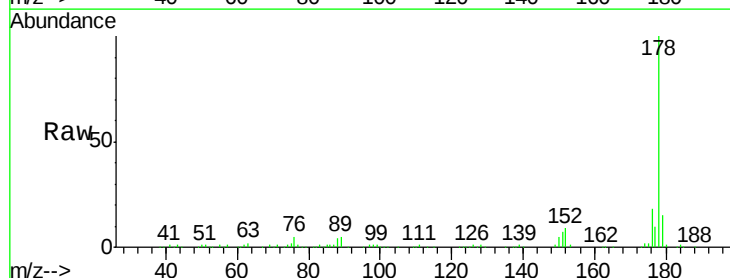


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

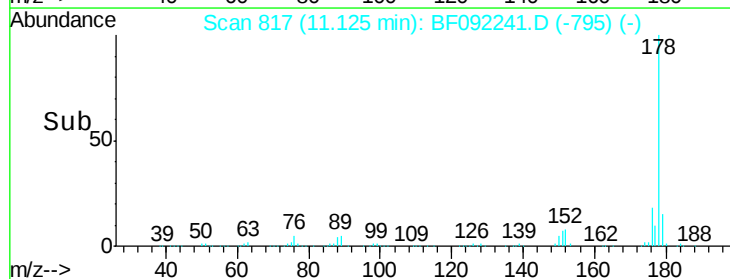
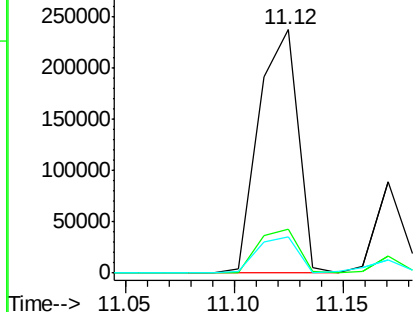


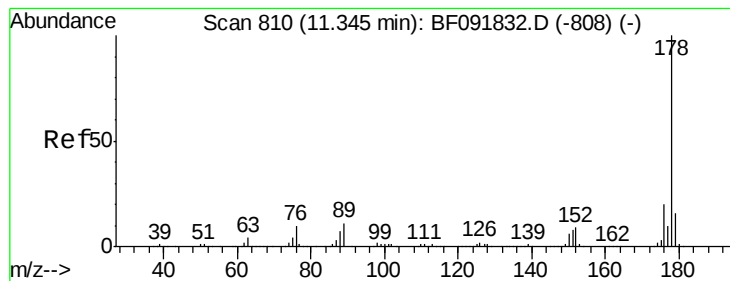
#70
 Phenanthrene
 Concen: 10.94 ng
 RT: 11.12 min Scan# 817
 Delta R.T. -0.05 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Tgt Ion:178 Resp: 300918
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.6 25.0
 179 14.8 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





#71

Anthracene

Concen: 2.05 ng

RT: 11.17 min Scan# 821

Delta R.T. -0.07 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

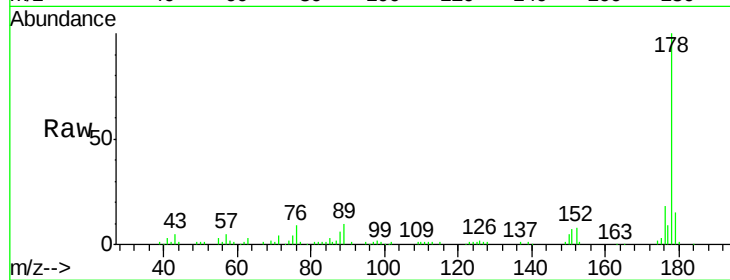
Tgt Ion:178 Resp: 82452

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

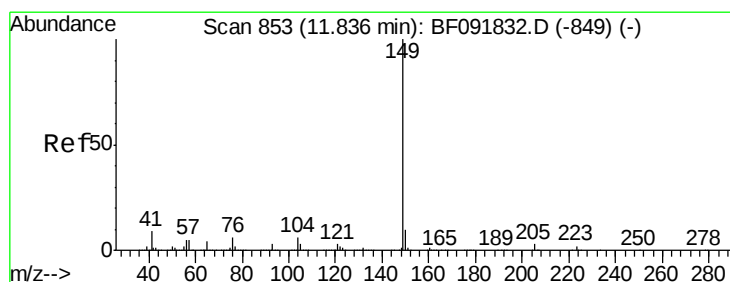
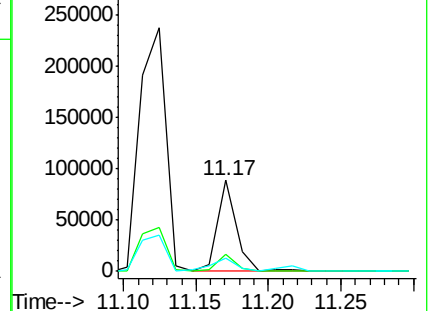
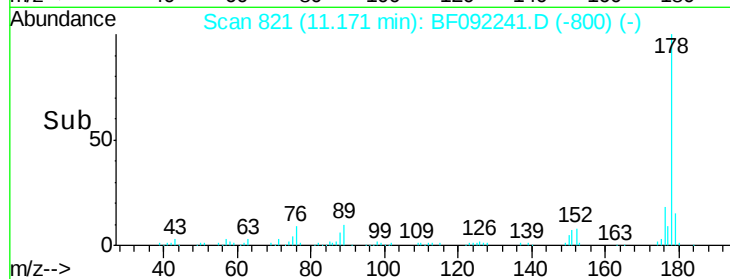
179 15.2 13.2 19.8



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.67 min Scan# 865

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

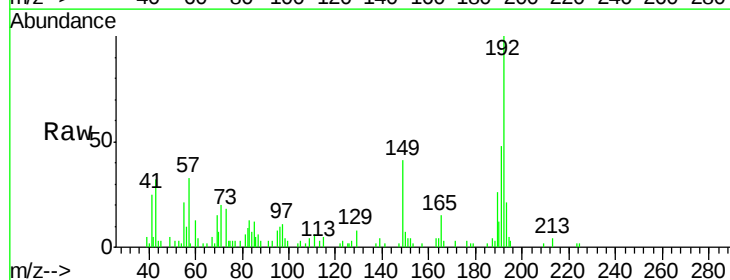
Tgt Ion:149 Resp: 6110

Ion Ratio Lower Upper

149 100

150 16.1 8.1 12.1#

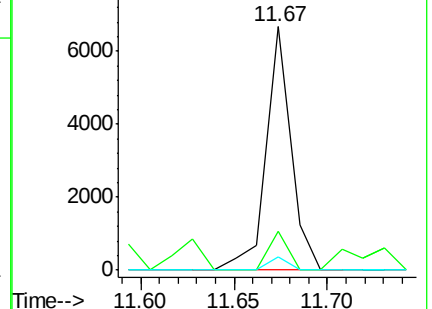
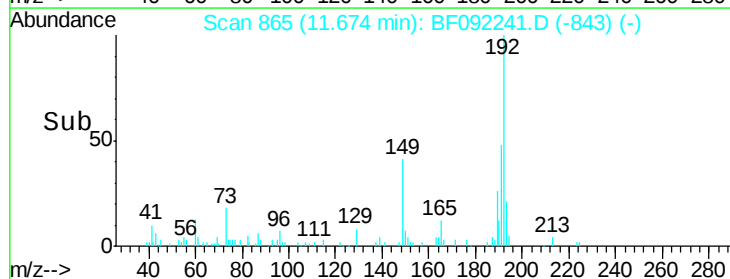
104 5.6 4.6 7.0

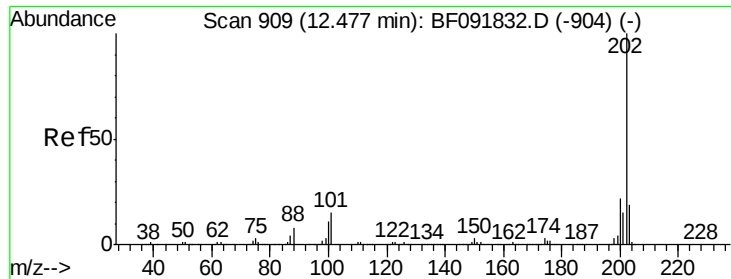


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

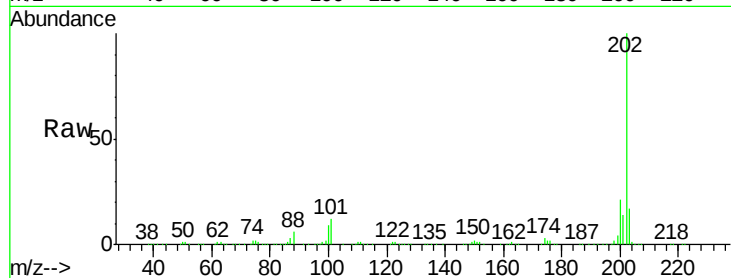




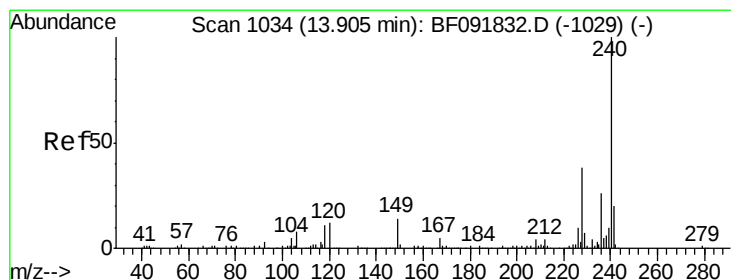
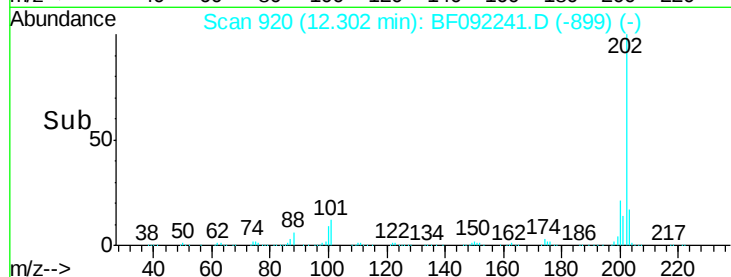
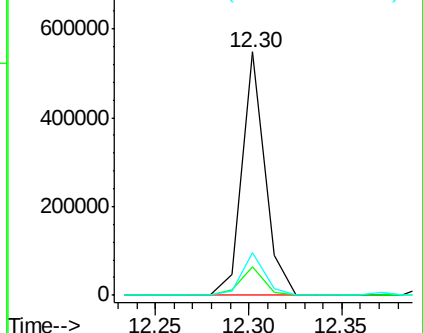
#74
 Fluoranthene
 Concen: 17.26 ng
 RT: 12.30 min Scan# 920
 Delta R.T. -0.07 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.6
203	17.4	0.0	38.7

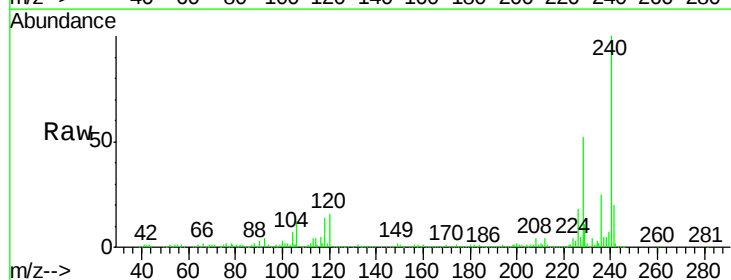


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

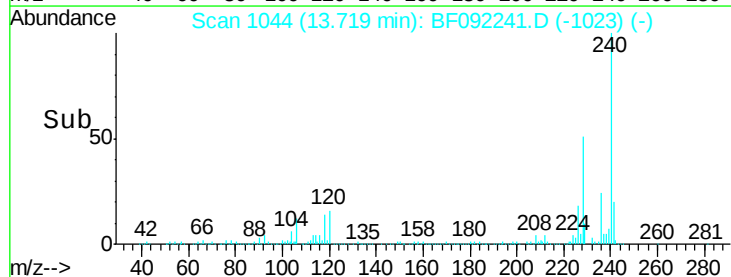
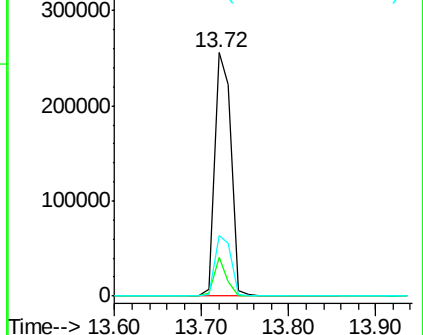


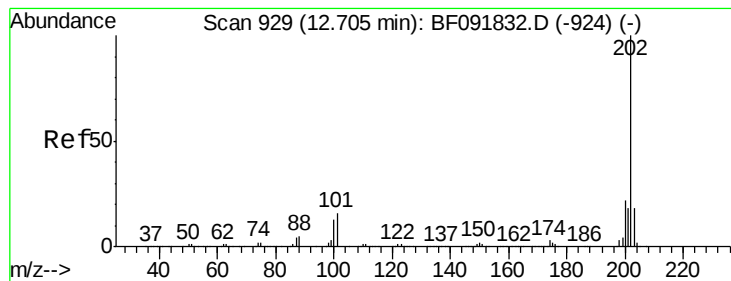
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.72 min Scan# 1044
 Delta R.T. -0.07 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	12.9	19.3
236	24.8	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: 16.21 ng

RT: 12.53 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

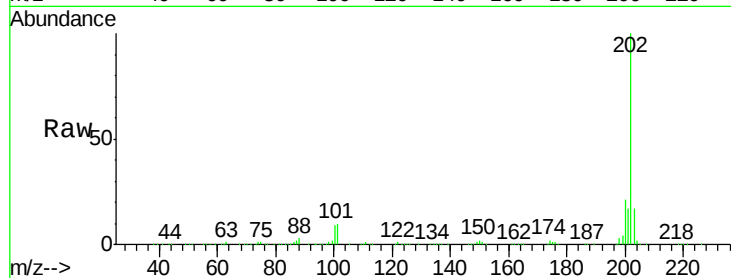
Tgt Ion:202 Resp: 403747

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

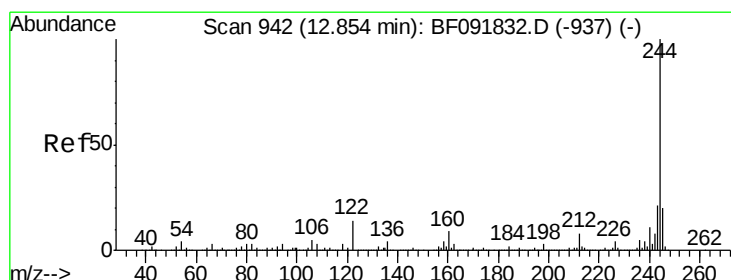
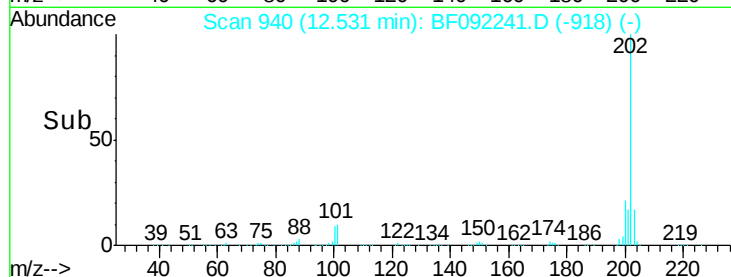
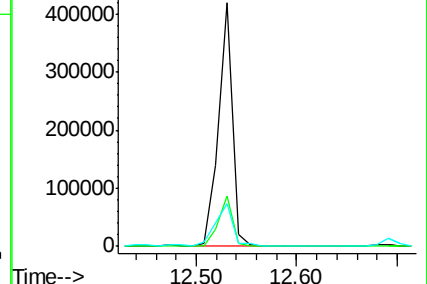
203 17.4 14.7 22.1



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: 69.94 ng

RT: 12.68 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

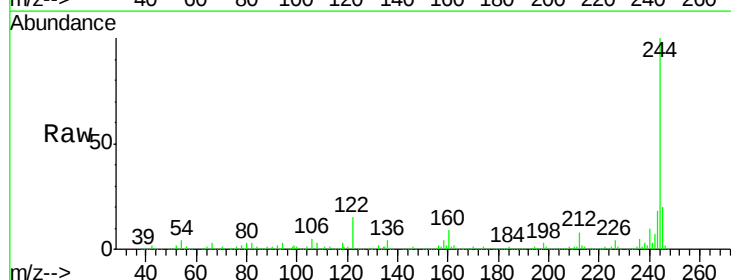
Tgt Ion:244 Resp: 979243

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

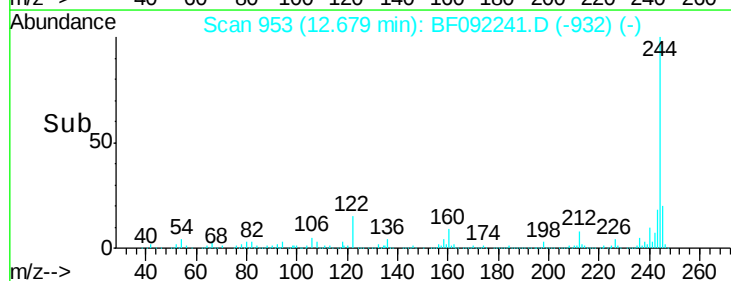
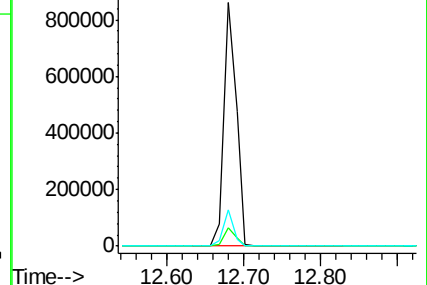
122 14.7 11.4 17.2

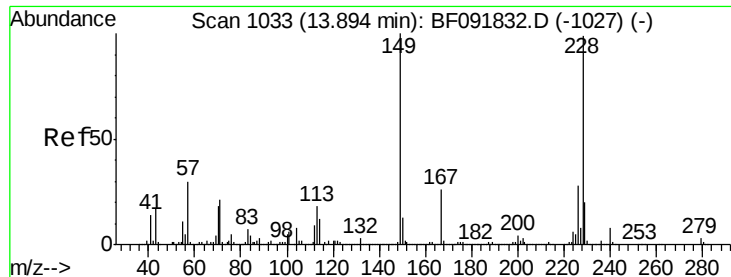


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.60 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

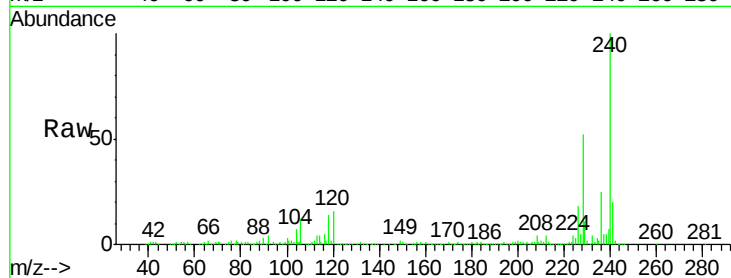
Tgt Ion:228 Resp: 184078

Ion Ratio Lower Upper

228 100

226 34.6 22.4 33.6#

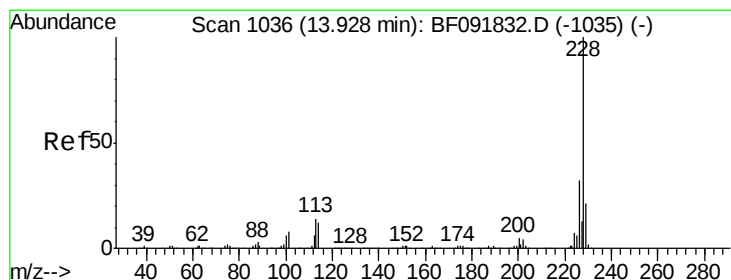
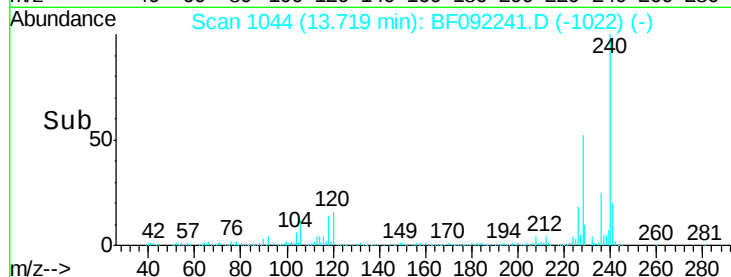
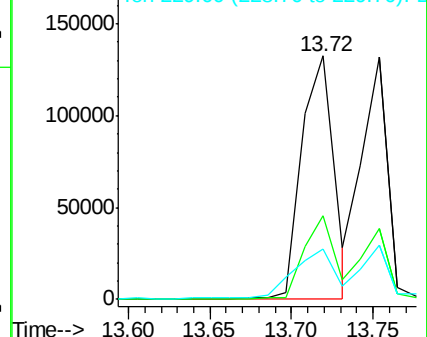
229 20.8 16.2 24.4



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: 9.57 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.09 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

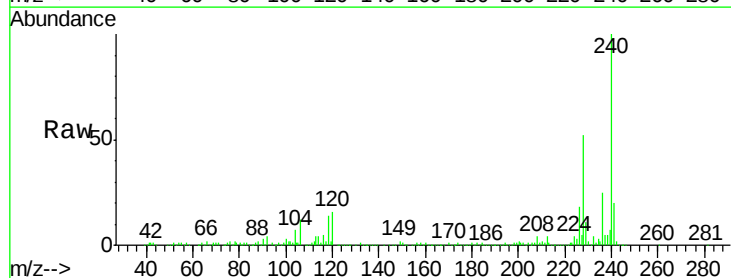
Tgt Ion:228 Resp: 184078

Ion Ratio Lower Upper

228 100

226 34.6 25.4 38.0

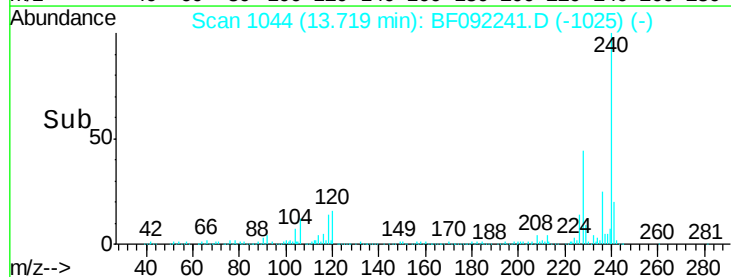
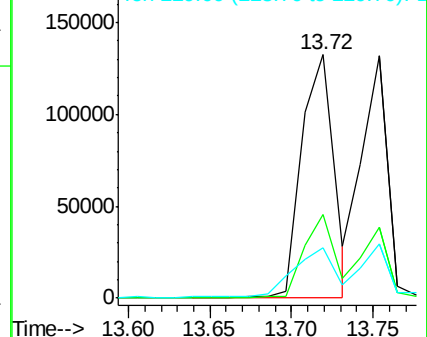
229 20.8 16.2 24.2

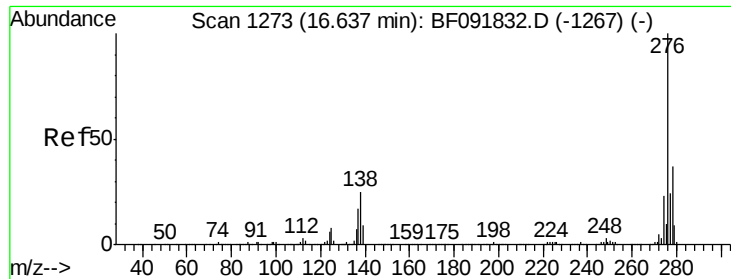


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

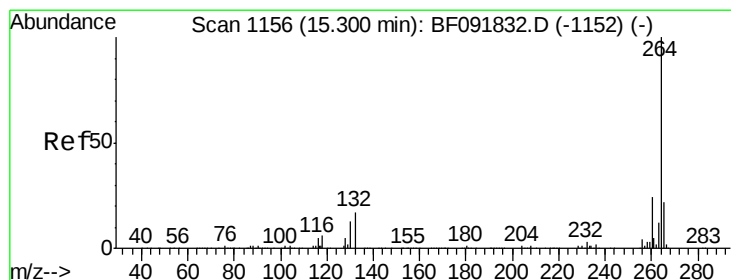
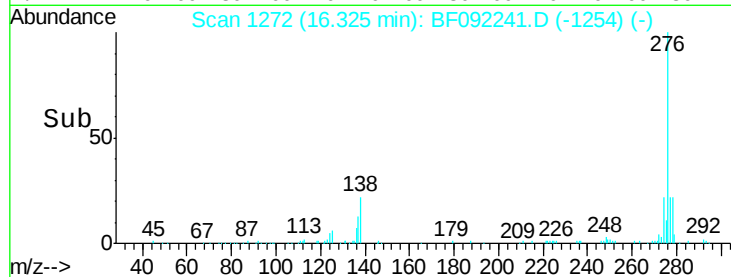
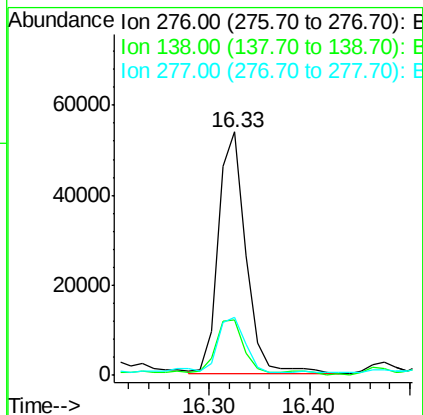
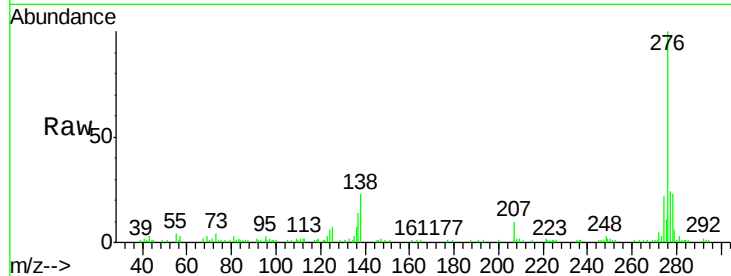




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.11 ng
 RT: 16.33 min Scan# 1272
 Delta R.T. -0.10 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

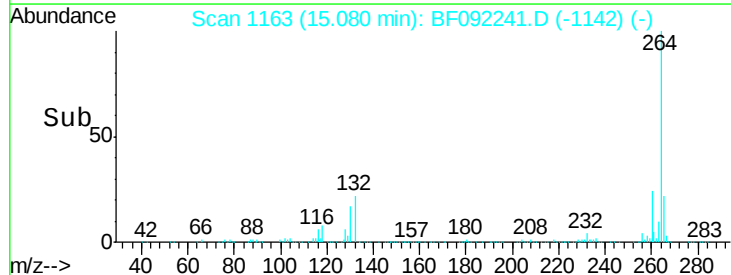
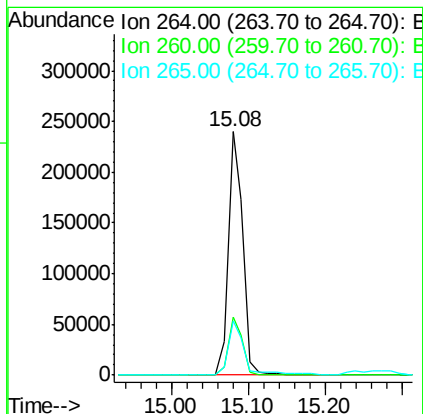
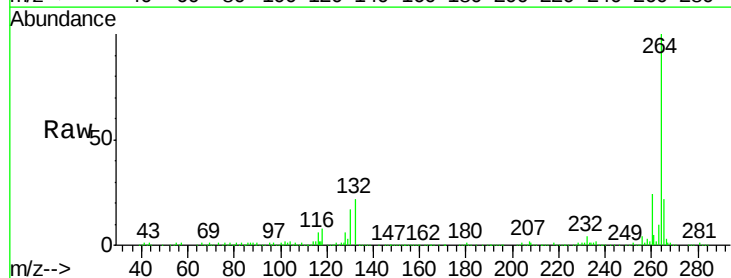
Instrument :
 BNA_F
 ClientSampleId :
 SW-001

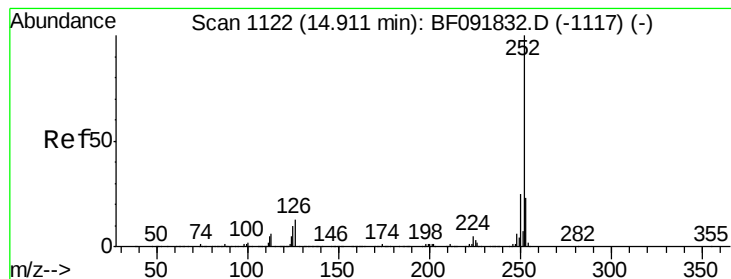
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.8	32.6
277	24.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.08 min Scan# 1163
 Delta R.T. -0.07 min
 Lab File: BF092241.D
 Acq: 13 Jan 2017 11:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 13.91 ng

RT: 14.73 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

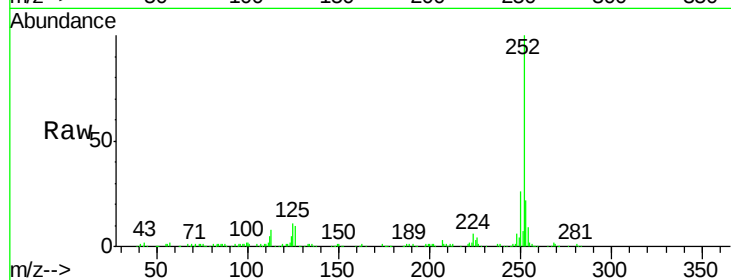
Tgt Ion:252 Resp: 279562

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

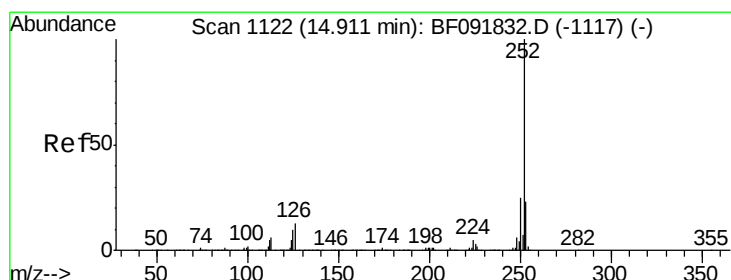
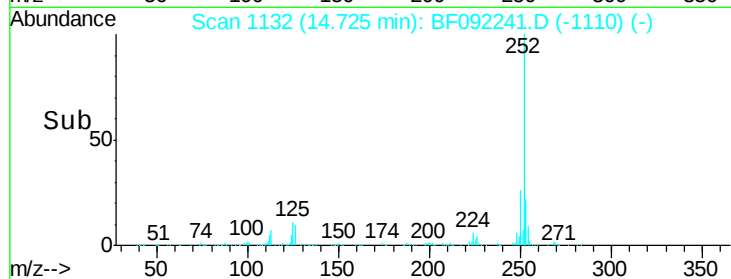
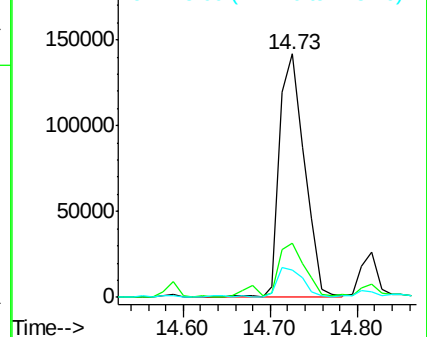
125 11.3 9.8 14.6



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: 16.31 ng

RT: 14.73 min Scan# 1132

Delta R.T. -0.08 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

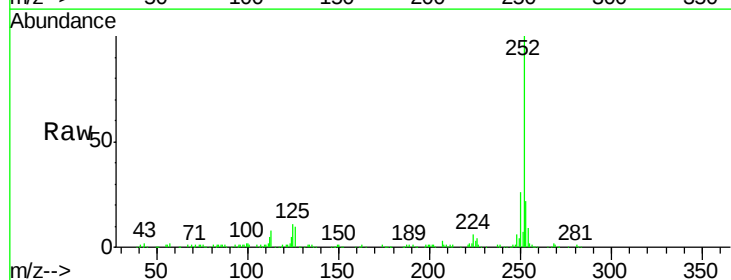
Tgt Ion:252 Resp: 279562

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

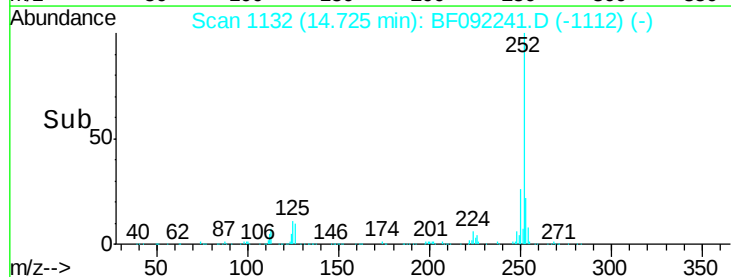
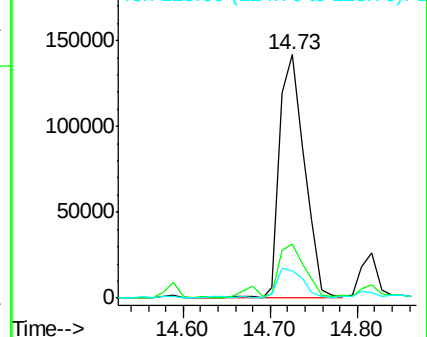
125 11.3 8.9 13.3

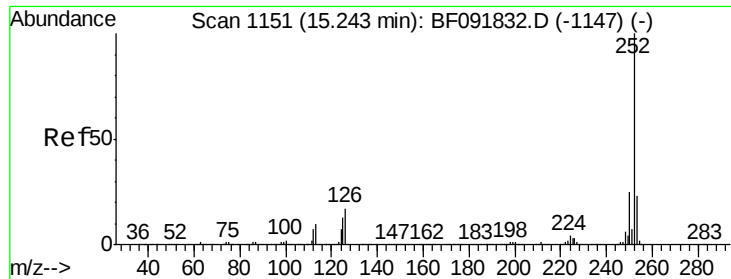


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.44 ng

RT: 14.98 min Scan# 1154

Delta R.T. -0.12 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

Instrument :

BNA_F

ClientSampleId :

SW-001

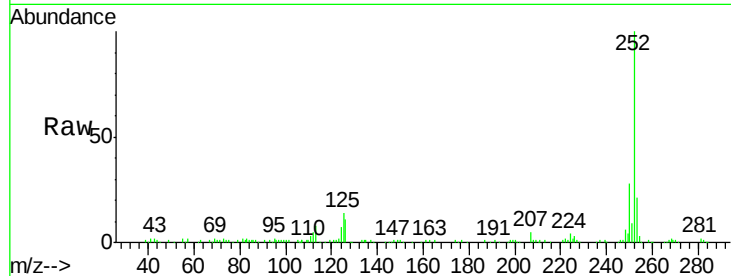
Tgt Ion:252 Resp: 96982

Ion Ratio Lower Upper

252 100

253 20.6 18.2 27.2

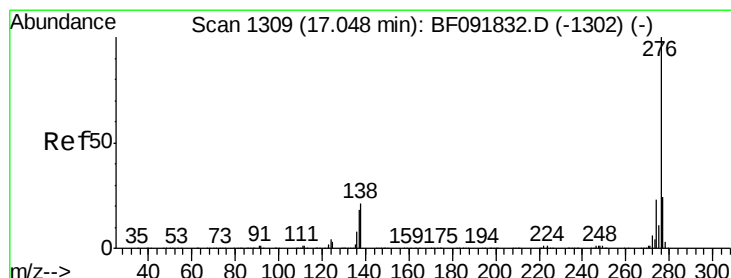
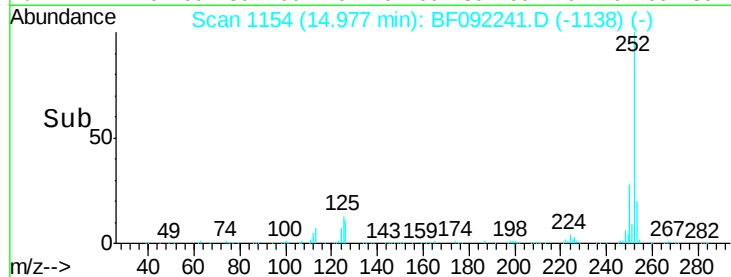
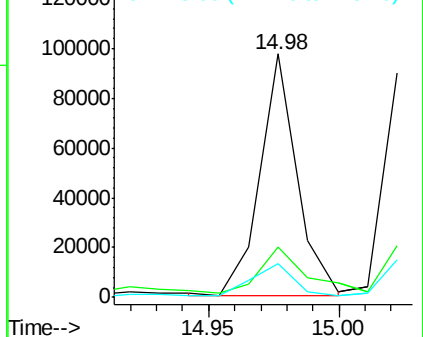
125 13.8 10.0 15.0



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: 5.56 ng

RT: 16.69 min Scan# 1304

Delta R.T. -0.11 min

Lab File: BF092241.D

Acq: 13 Jan 2017 11:24

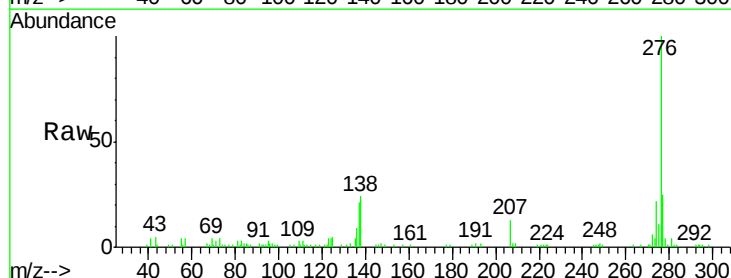
Tgt Ion:276 Resp: 84792

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 24.4 16.0 24.0#



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

