

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092234.D
 Acq On : 13 Jan 2017 4:46
 Operator : UM/SJ
 Sample : I1131-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 13 06:48:18 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	6.60	152	149011	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	519465	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	301228	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	409930	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	318525	20.00	ng	-0.06
86) Perylene-d12	15.09	264	331854	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1713922	192.05	ng	-0.03
7) Phenol-d6	6.26	99	1794513	164.70	ng	-0.05
23) Nitrobenzene-d5	7.17	82	947796	101.46	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	370916	148.79	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1489646	104.25	ng	-0.05
78) Terphenyl-d14	12.69	244	1043228	79.43	ng	-0.06

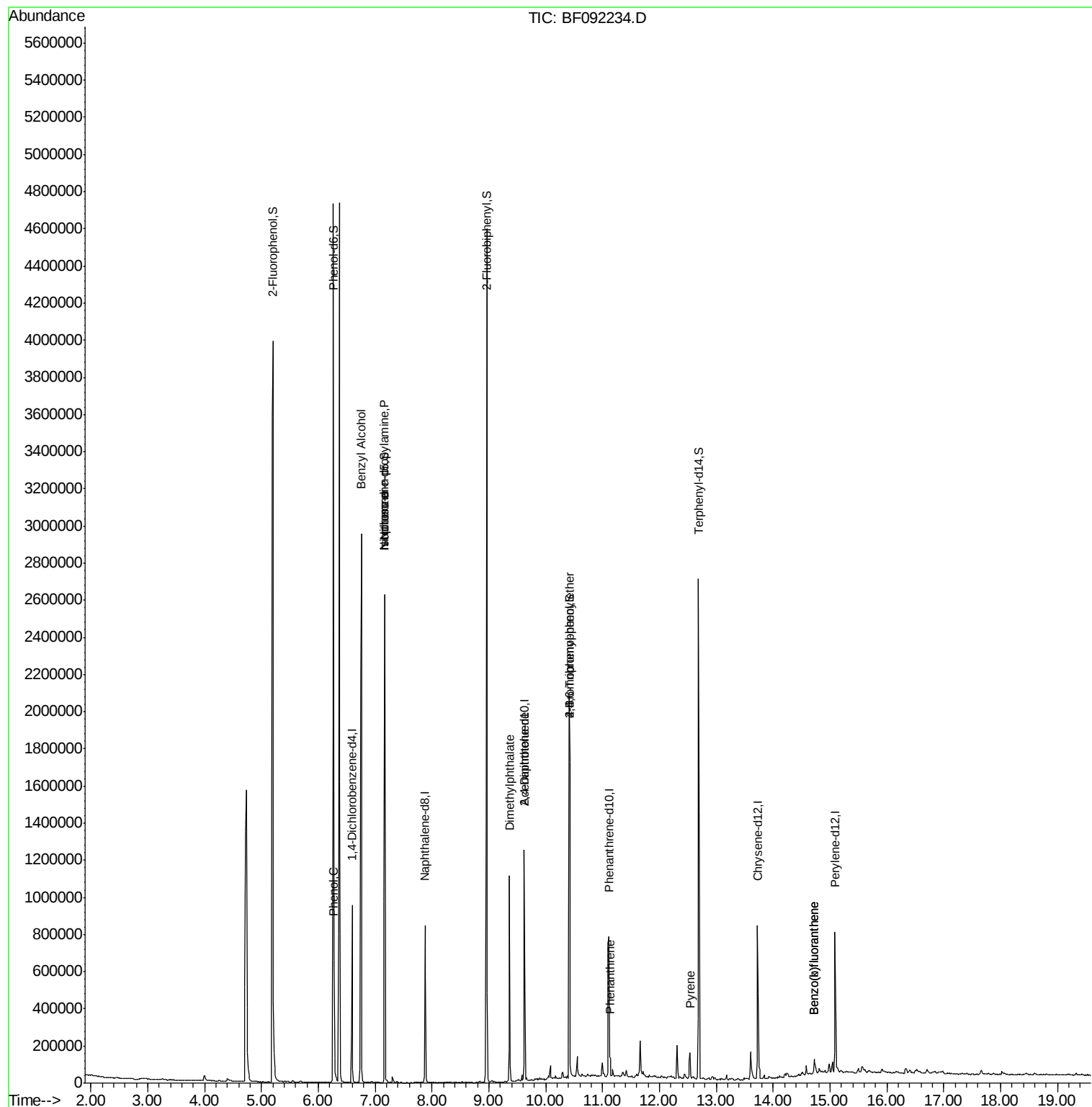
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.28	94	36177	2.91	ng	82
15) Benzyl Alcohol	6.76	79	17133	2.02	ng	# 26
19) n-Nitroso-di-n-propylamine	7.17	70	128312	17.70	ng	# 78
25) Isophorone	7.17	82	943414	54.74	ng	# 65
37) 2-Methylnaphthalene	8.60	142	1267	Below	Cal	87
49) Dimethylphthalate	9.36	163	432287	22.44	ng	99
56) 2,4-Dinitrotoluene	9.62	165	38432	7.26	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	22768	5.34	ng	# 1
70) Phenanthrene	11.13	178	55256	2.49	ng	96
71) Anthracene	11.18	178	13580	Below	Cal	97
73) Di-n-butylphthalate	11.68	149	4226	Below	Cal	# 91
74) Fluoranthene	12.31	202	70708	Below	Cal	97
76) Benzidine	12.69	184	13320	Below	Cal	96
77) Pyrene	12.54	202	61264	2.62	ng	97
87) Benzo(b)fluoranthene	14.72	252	52395	2.54	ng	98
88) Benzo(k)fluoranthene	14.72	252	52395	2.97	ng	# 96

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
Data File : BF092234.D
Acq On : 13 Jan 2017 4:46
Operator : UM/SJ
Sample : I1131-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 13 06:48:18 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

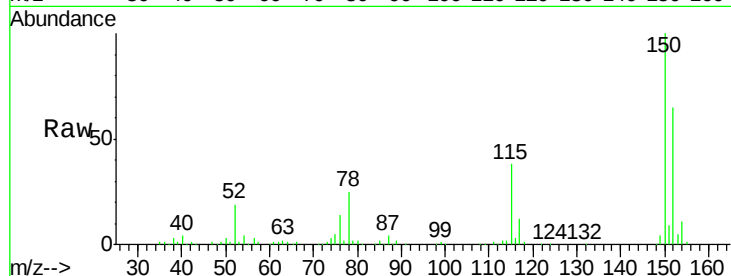




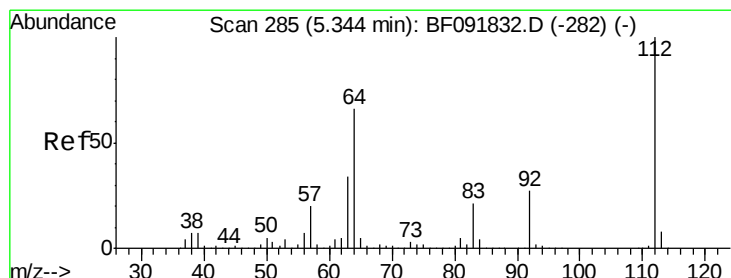
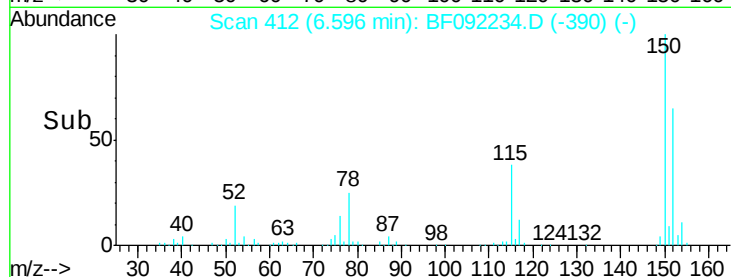
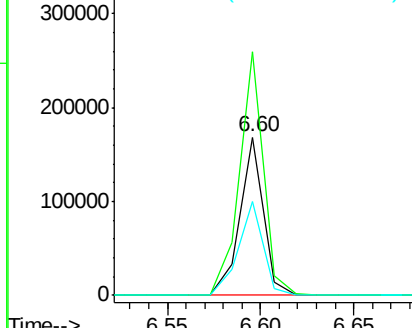
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 412
 Delta R.T. -0.05 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 149011
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.9 187.3
 115 59.1 46.0 69.0

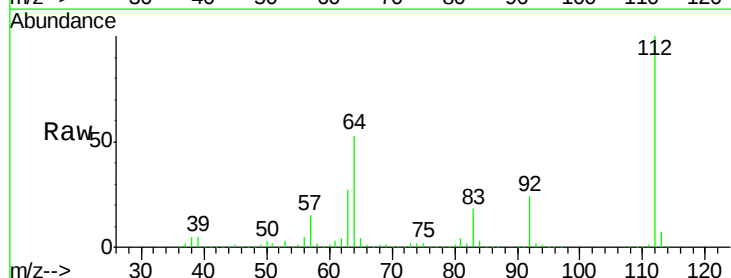


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

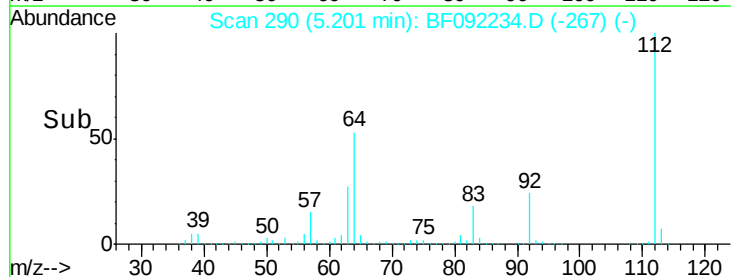
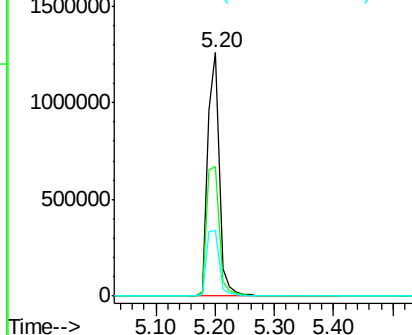


#5
 2-Fluorophenol
 Concen: 192.05 ng
 RT: 5.20 min Scan# 290
 Delta R.T. -0.03 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Tgt Ion:112 Resp: 1713922
 Ion Ratio Lower Upper
 112 100
 64 53.2 46.1 69.1
 63 27.2 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: 164.70 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Instrument :

BNA_F

ClientSampled :

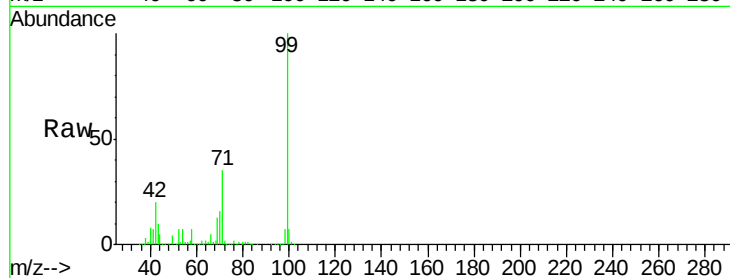
Tgt Ion: 99 Resp: 1794513

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

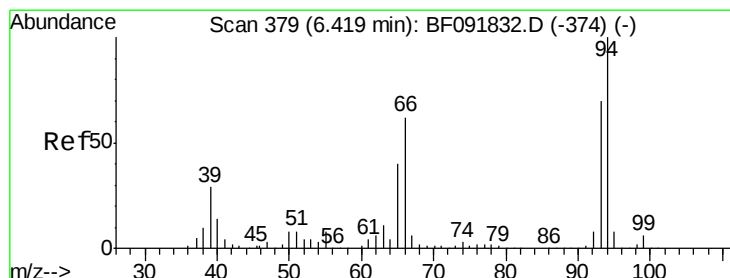
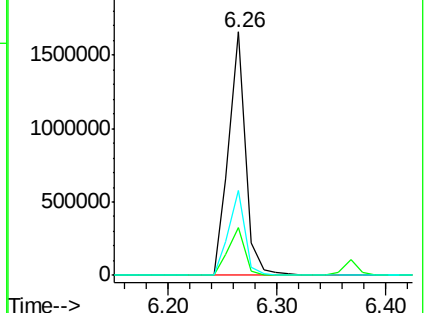
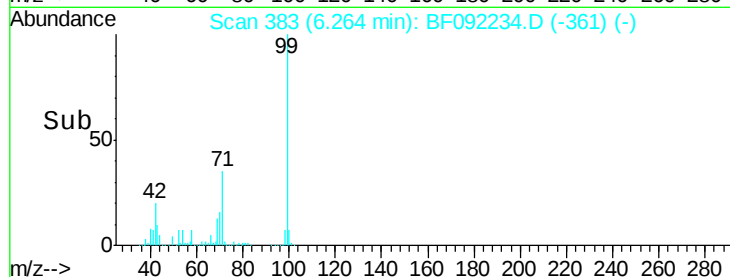
71 34.6 27.5 41.3



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: 2.91 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

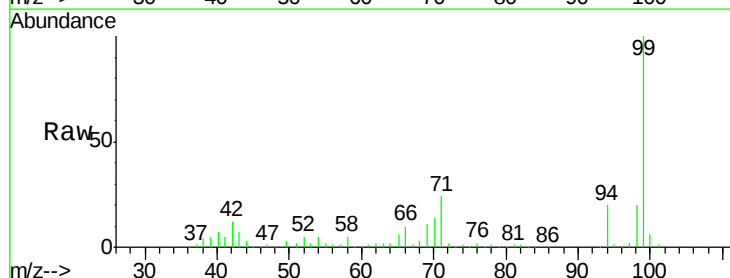
Tgt Ion: 94 Resp: 36177

Ion Ratio Lower Upper

94 100

65 30.2 21.4 61.4

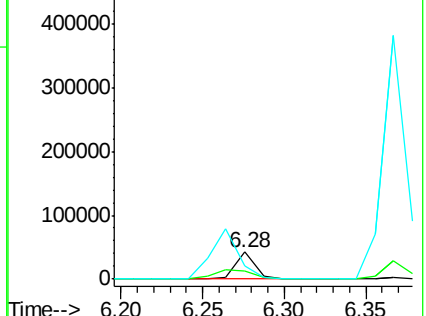
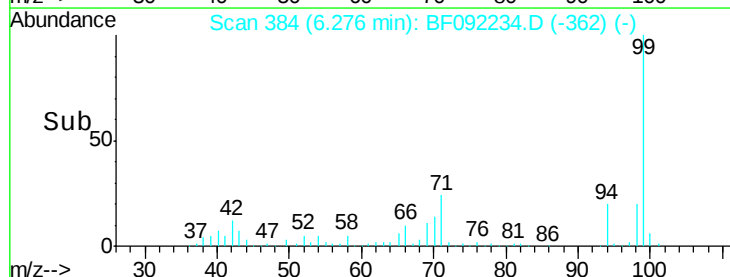
66 50.5 44.0 84.0

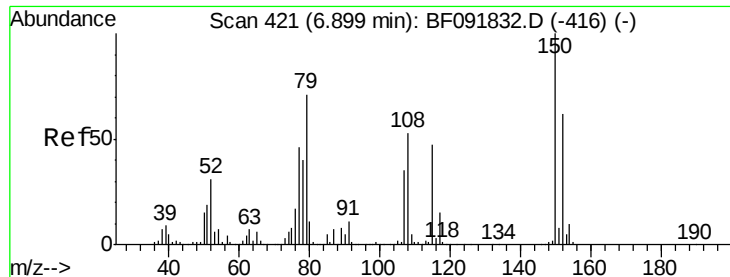


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.76 min Scan# 426

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Instrument :

BNA_F

ClientSampleId :

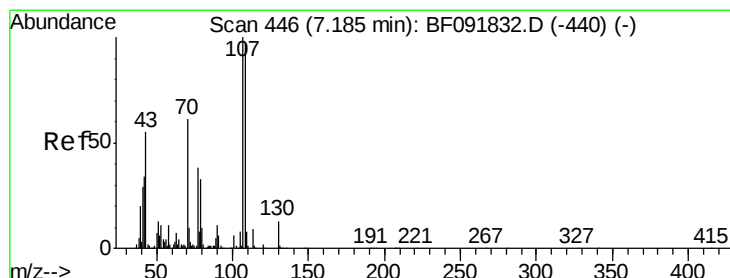
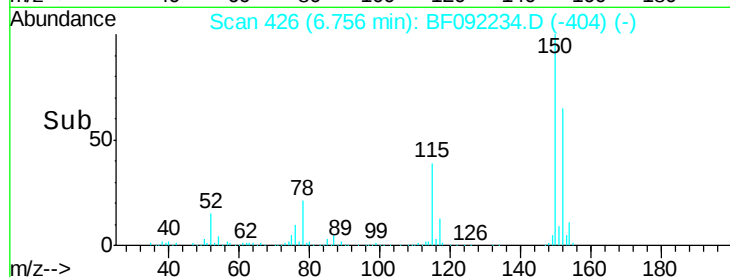
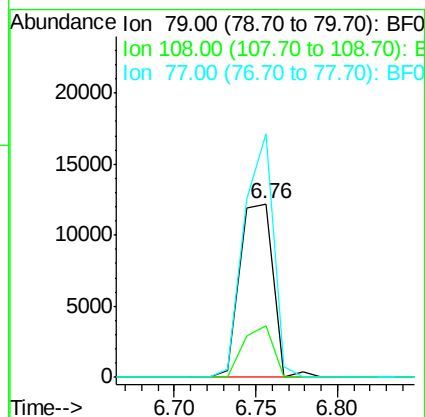
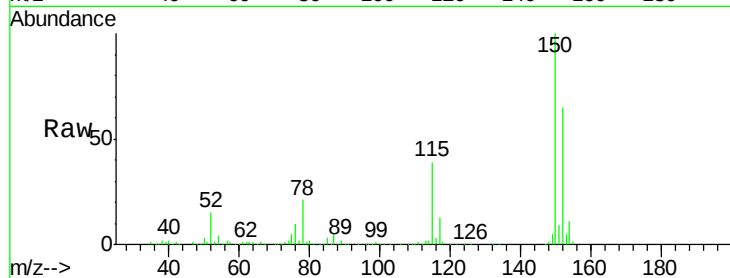
Tgt Ion: 79 Resp: 17133

Ion Ratio Lower Upper

79 100

108 29.7 61.4 92.0#

77 140.3 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 17.70 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Tgt Ion: 70 Resp: 128312

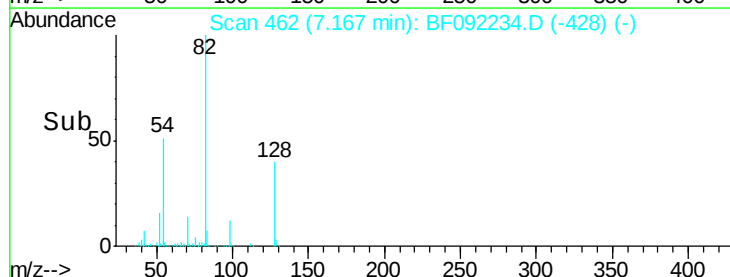
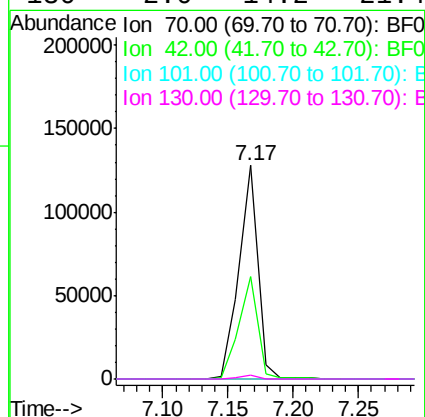
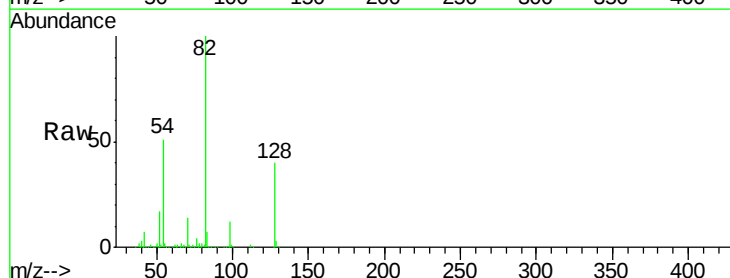
Ion Ratio Lower Upper

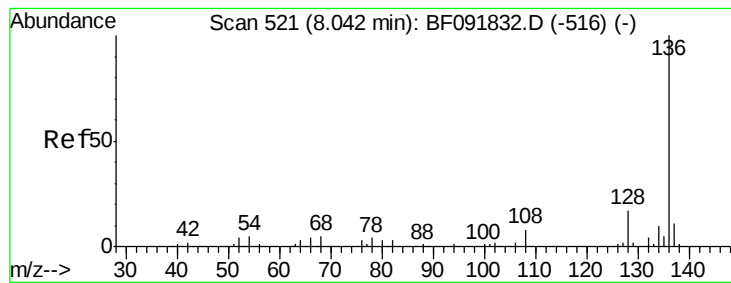
70 100

42 47.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

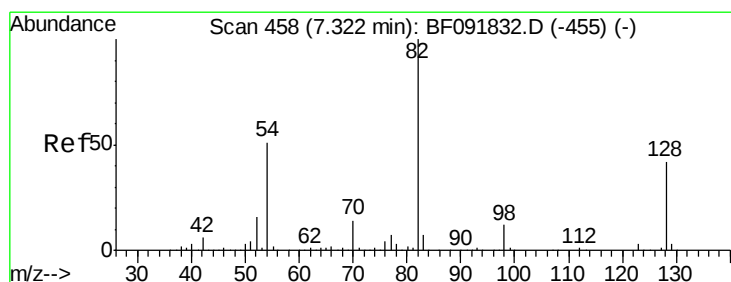
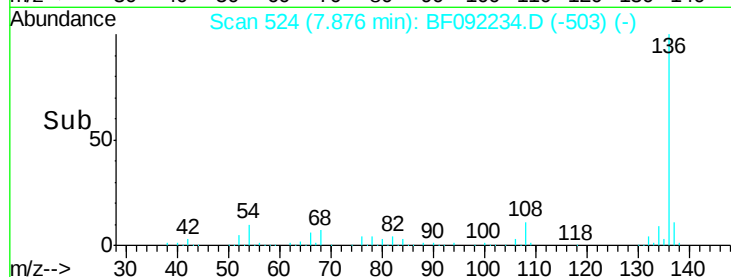
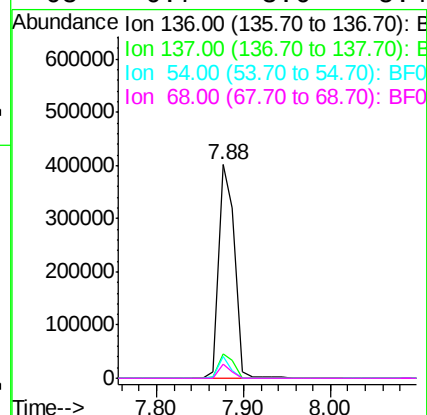
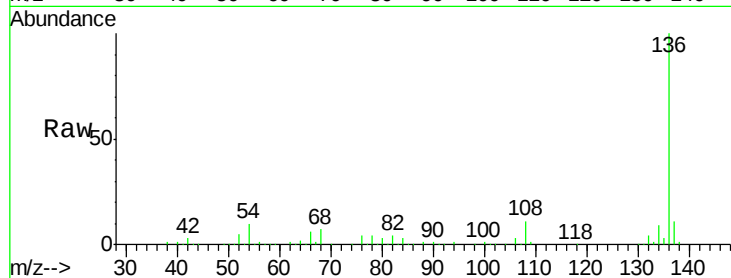




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

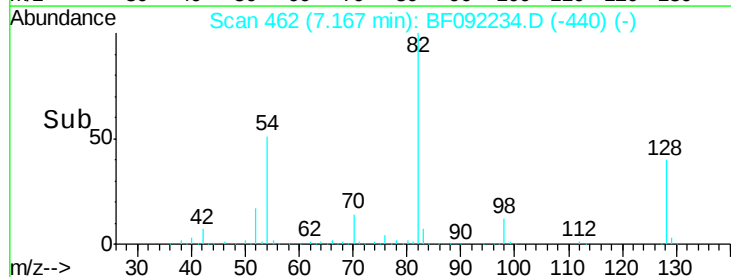
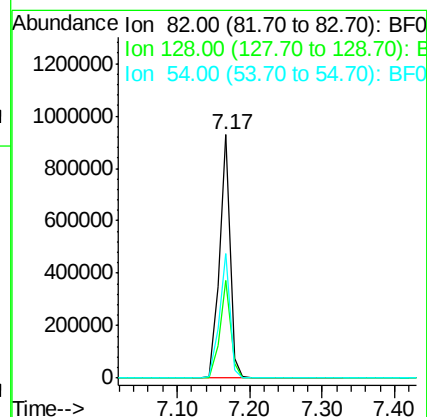
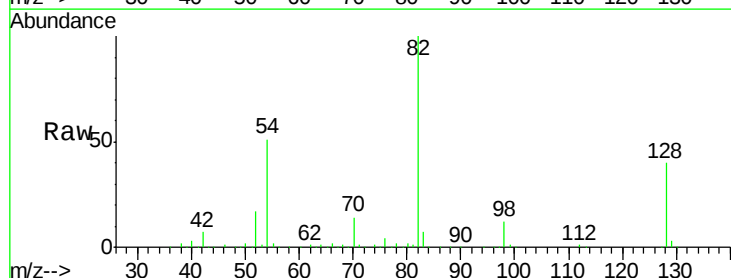
Instrument :
BNA_F
ClientSampleId :

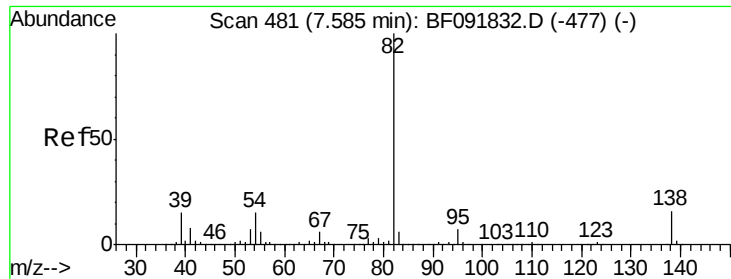
Tgt Ion:	136	Resp:	519465
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.4	12.6
54	10.0	4.5	6.7#
68	6.7	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 101.46 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Tgt Ion:	82	Resp:	947796
Ion Ratio	Lower	Upper	
82	100		
128	40.2	34.6	52.0
54	51.2	39.5	59.3





#25

Isophorone

Concen: 54.74 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Instrument :

BNA_F

ClientSampleId :

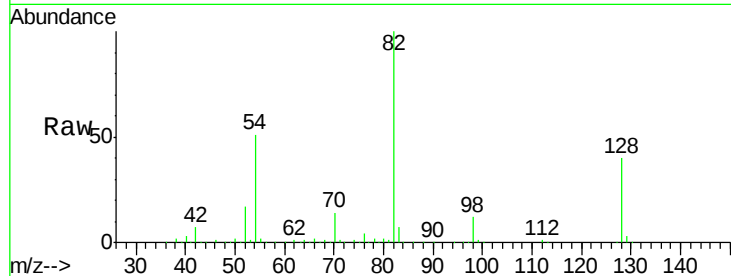
Tgt Ion: 82 Resp: 943414

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

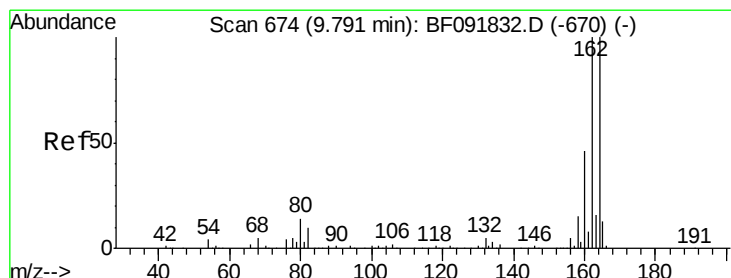
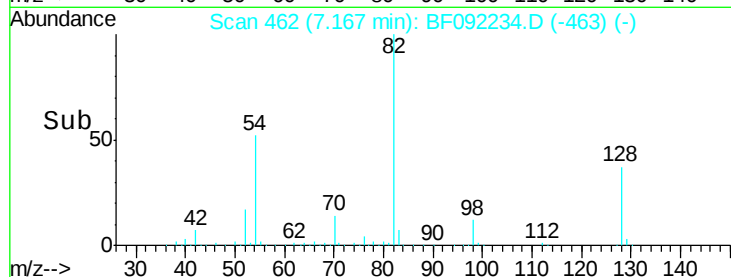
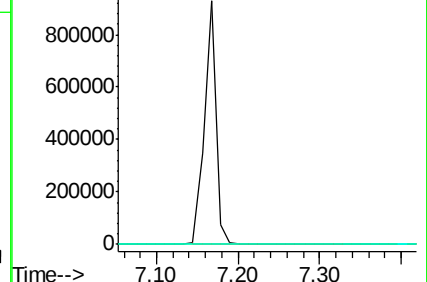
138 0.0 14.6 22.0#



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# 677

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

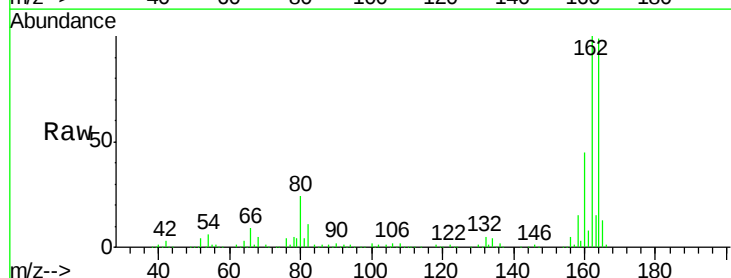
Tgt Ion: 164 Resp: 301228

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

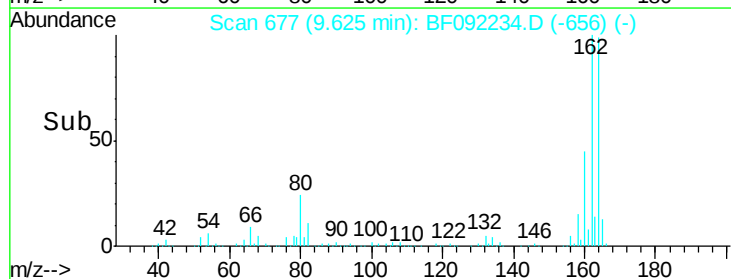
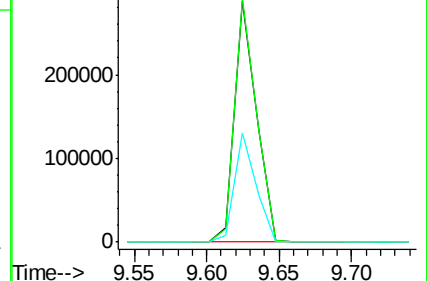
160 45.1 36.9 55.3

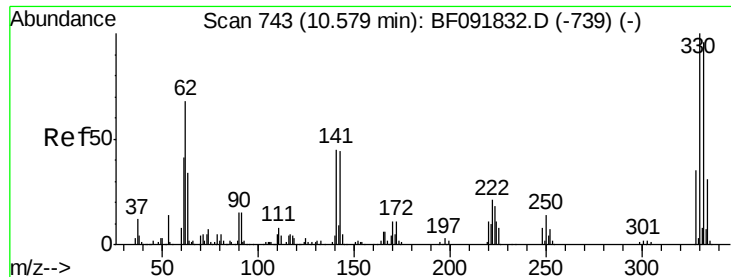


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

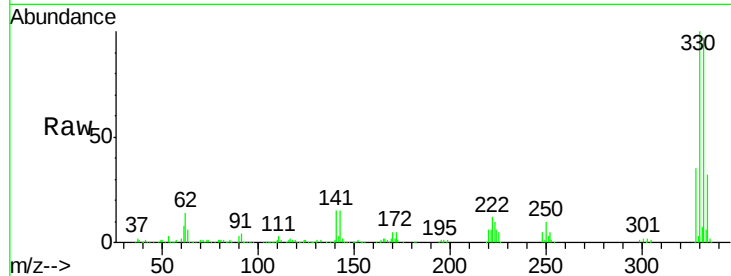




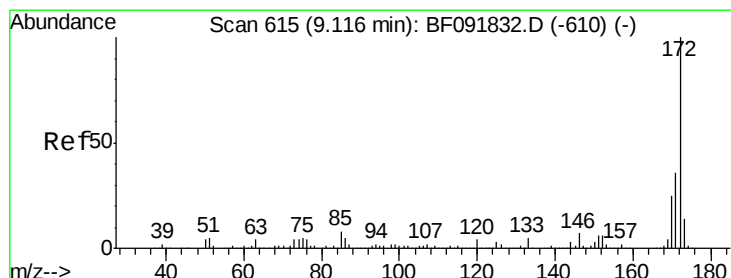
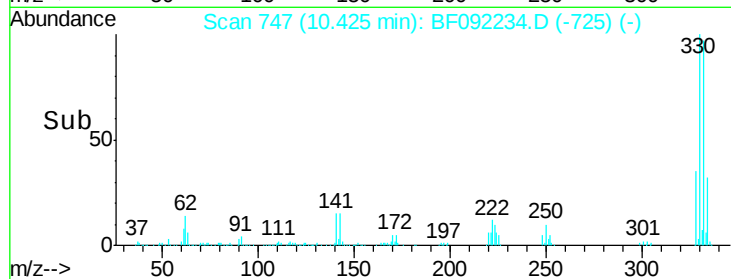
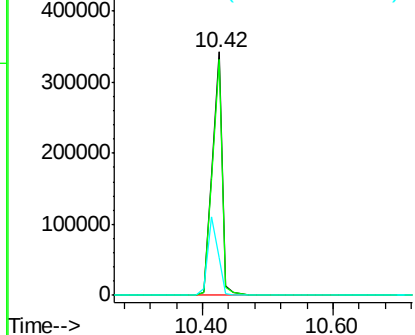
#41
 2,4,6-Tribromophenol
 Concen: 148.79 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 370916
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 33.0 34.1 51.1#

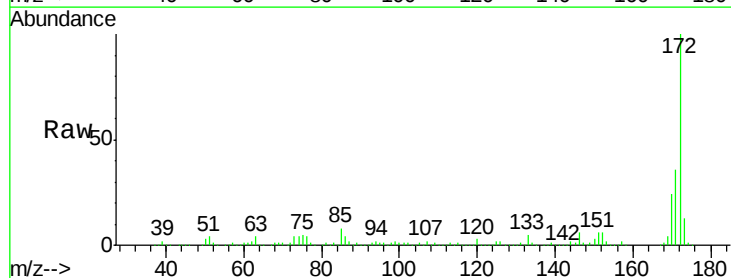


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

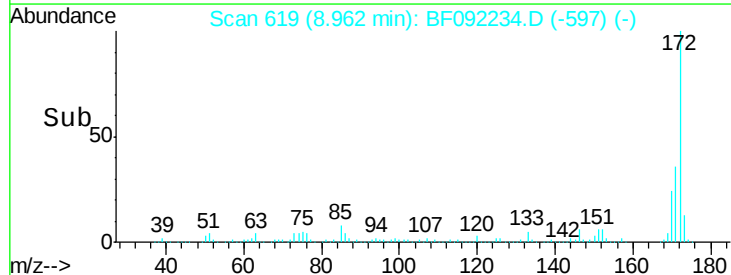
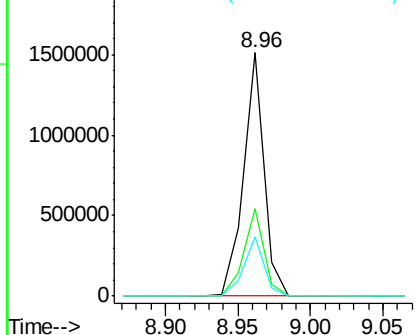


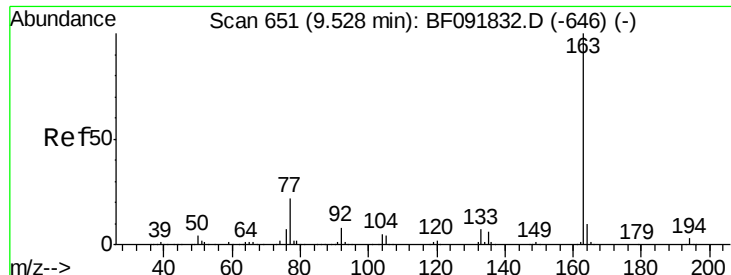
#44
 2-Fluorobiphenyl
 Concen: 104.25 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Tgt Ion:172 Resp: 1489646
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.2 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

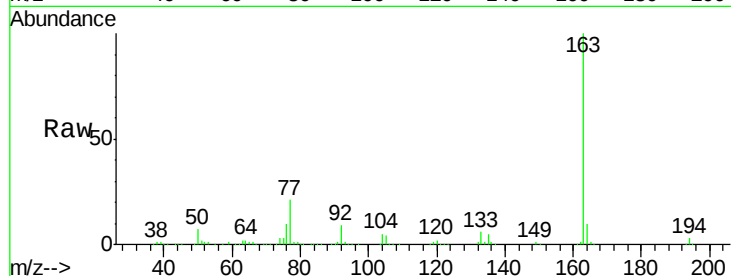




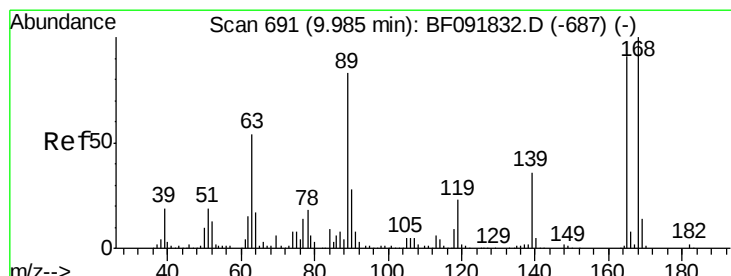
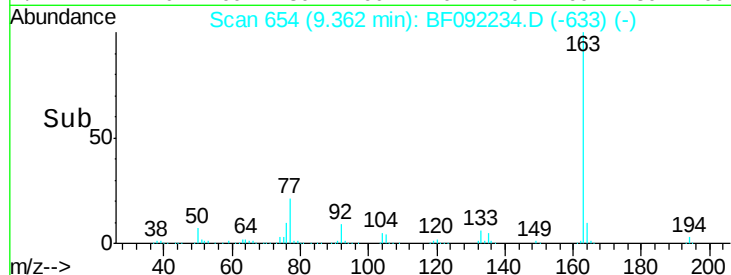
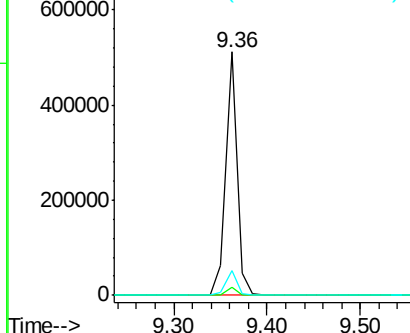
#49
Dimethylphthalate
Concen: 22.44 ng
RT: 9.36 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 432287
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.2 8.0 12.0

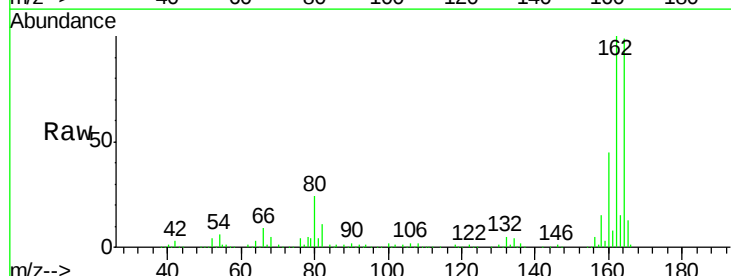


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

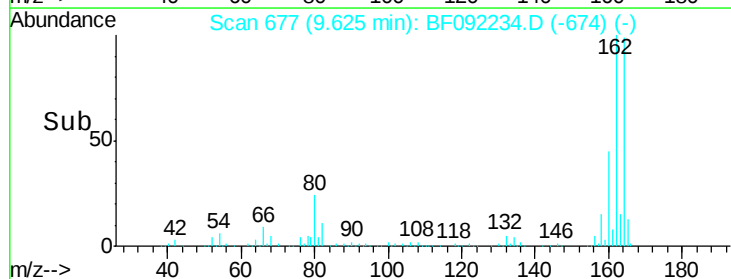
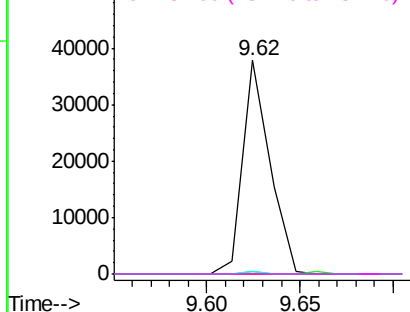


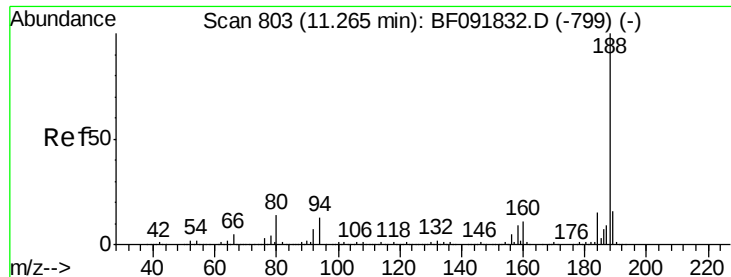
#56
2,4-Dinitrotoluene
Concen: 7.26 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.26 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Tgt Ion:165 Resp: 38432
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 1.0 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

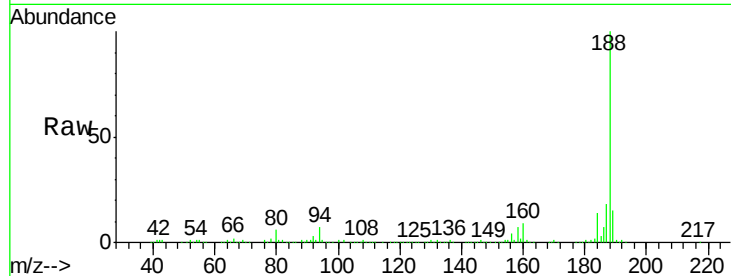




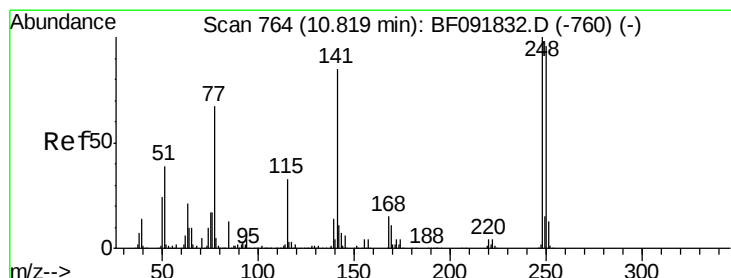
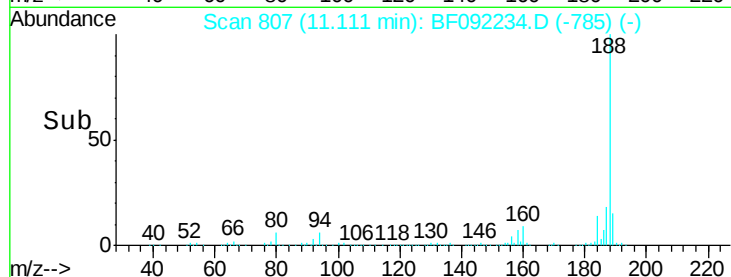
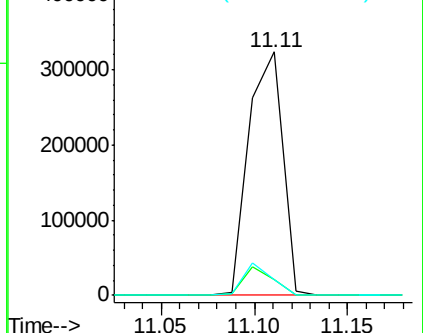
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 409930
Ion Ratio Lower Upper
188 100
94 6.5 10.0 15.0#
80 6.3 11.2 16.8#

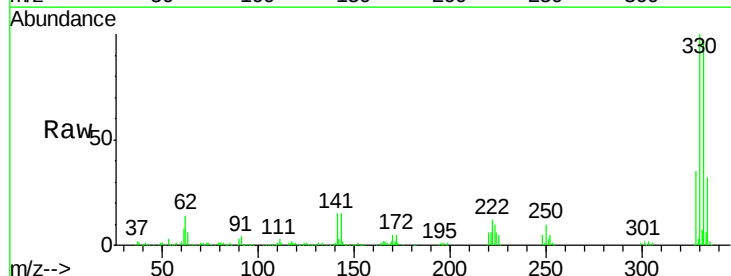


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

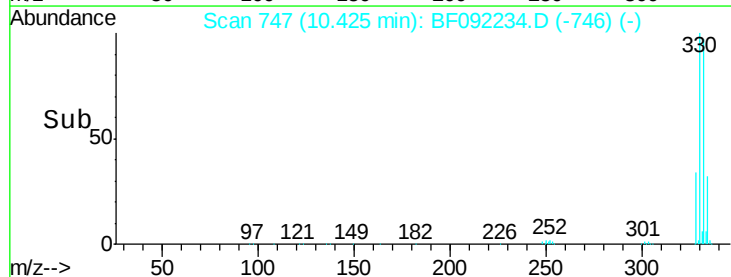
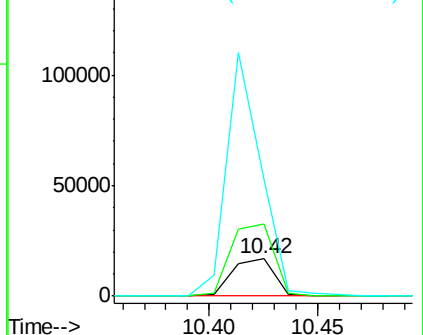


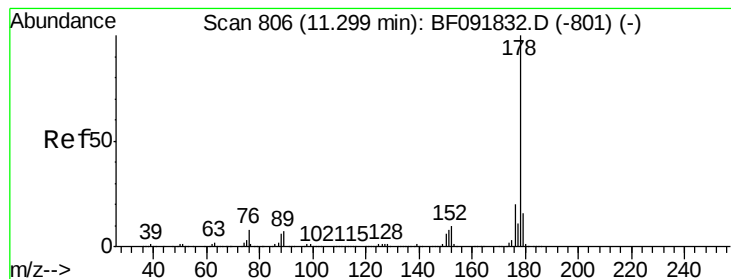
#66
4-Bromophenyl-phenylether
Concen: 5.34 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.29 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Tgt Ion:248 Resp: 22768
Ion Ratio Lower Upper
248 100
250 193.8 76.9 115.3#
141 311.3 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: 2.49 ng

RT: 11.13 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Instrument :

BNA_F

ClientSampled :

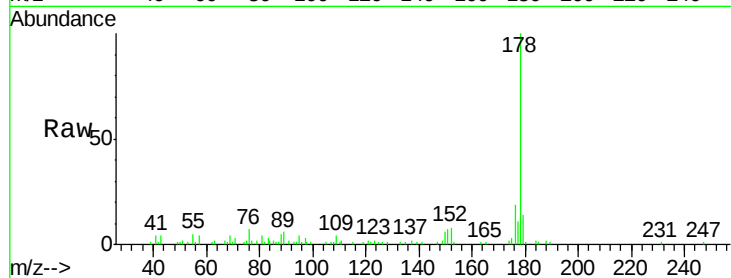
Tgt Ion:178 Resp: 55256

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

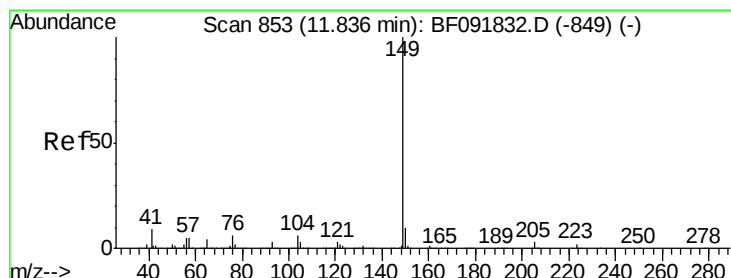
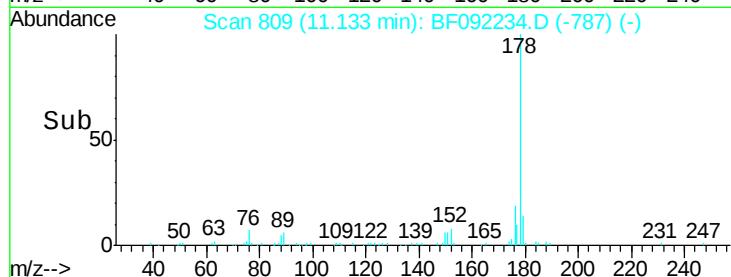
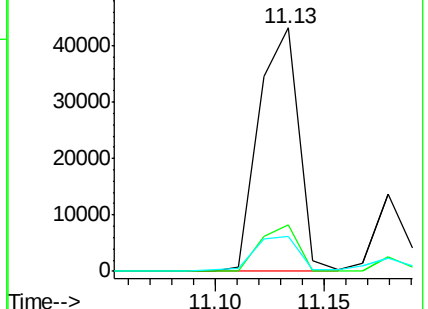
179 14.4 12.8 19.2



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

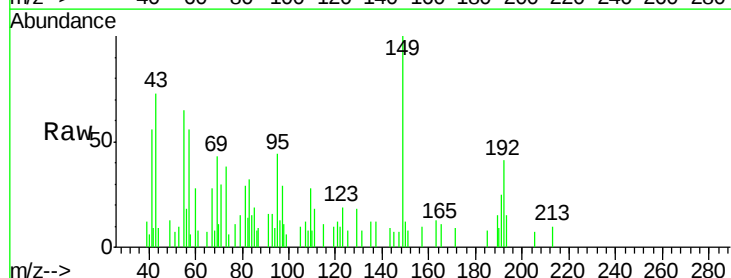
Tgt Ion:149 Resp: 4226

Ion Ratio Lower Upper

149 100

150 11.9 8.1 12.1

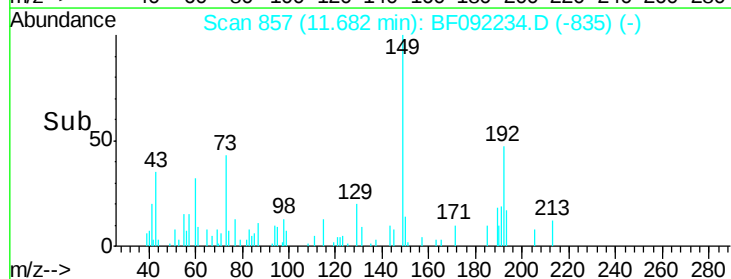
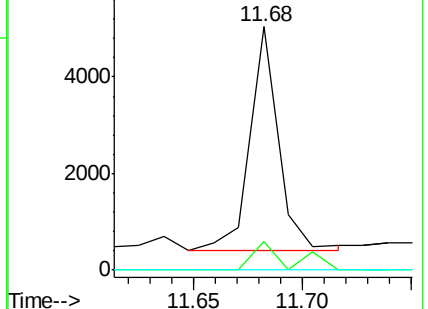
104 0.0 4.6 7.0#

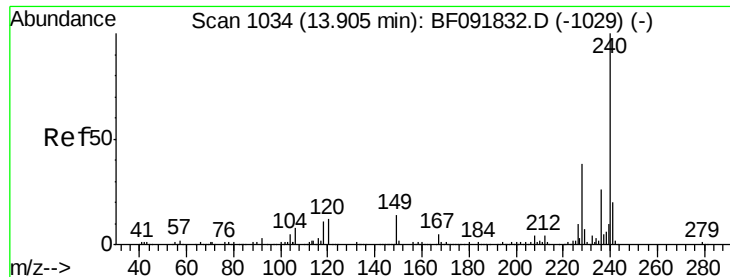


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

Instrument :

BNA_F

ClientSampleId :

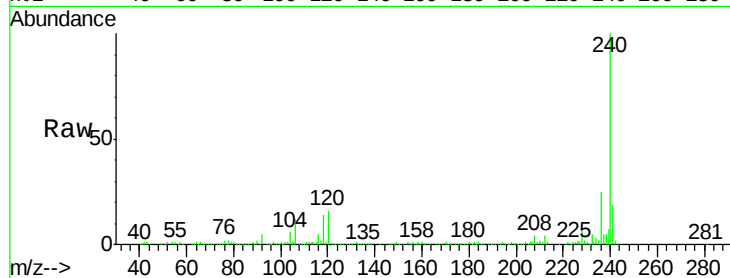
Tgt Ion:240 Resp: 318525

Ion Ratio Lower Upper

240 100

120 15.9 12.9 19.3

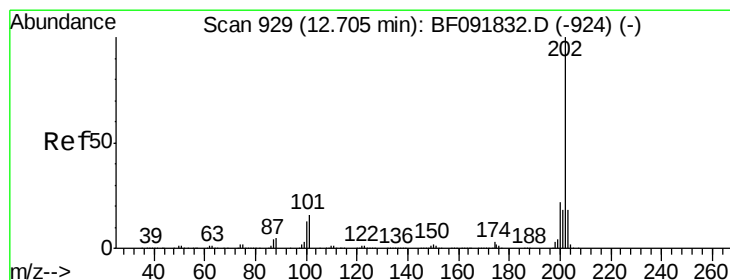
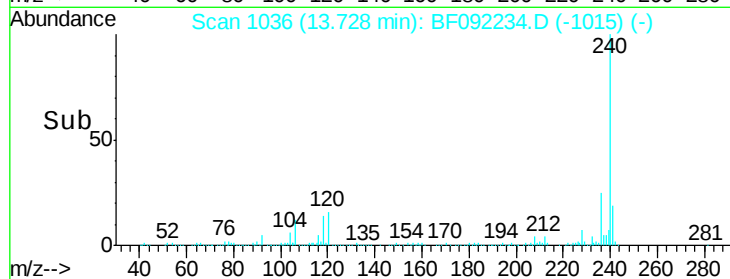
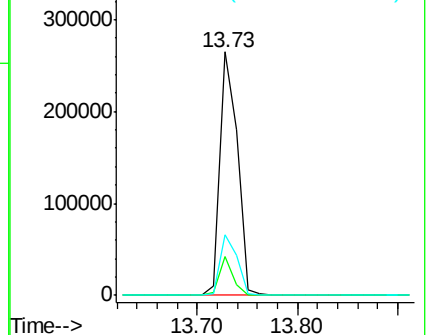
236 25.1 20.9 31.3



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: 2.62 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092234.D

Acq: 13 Jan 2017 4:46

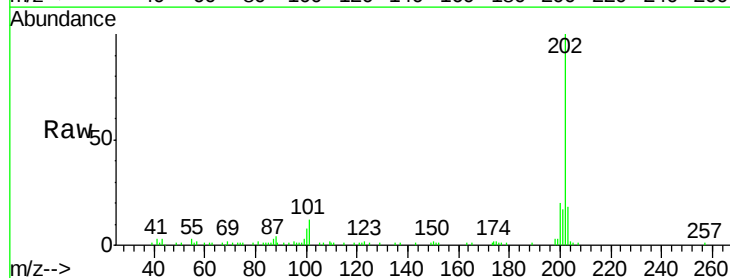
Tgt Ion:202 Resp: 61264

Ion Ratio Lower Upper

202 100

200 19.8 17.7 26.5

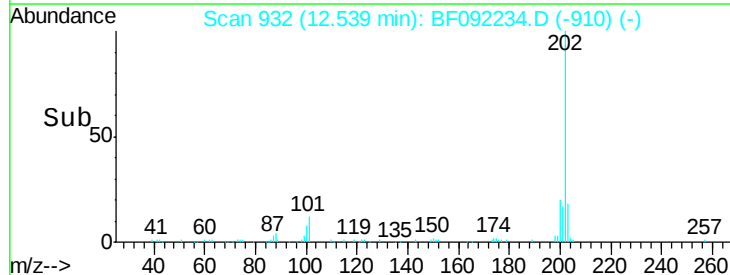
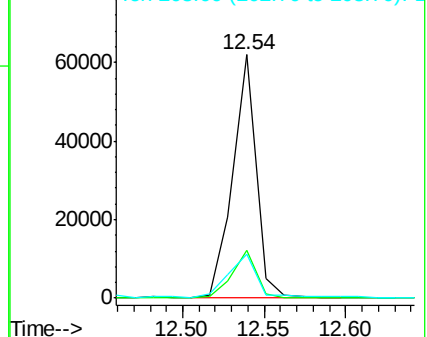
203 18.0 14.7 22.1

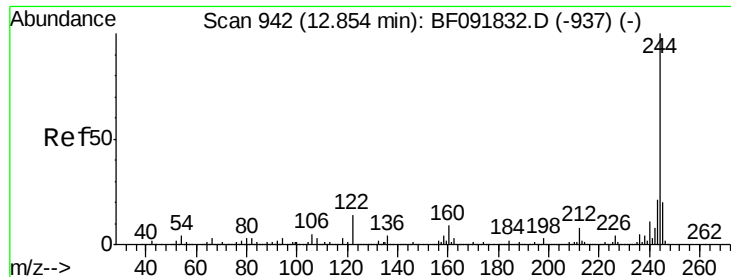


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

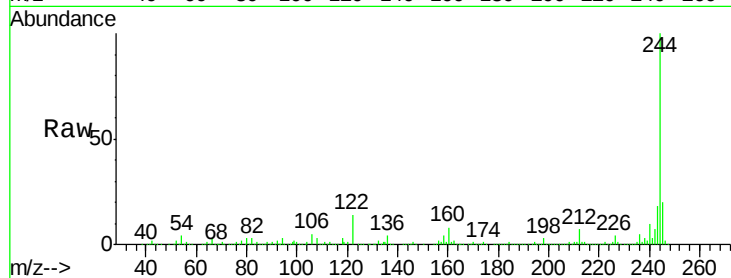




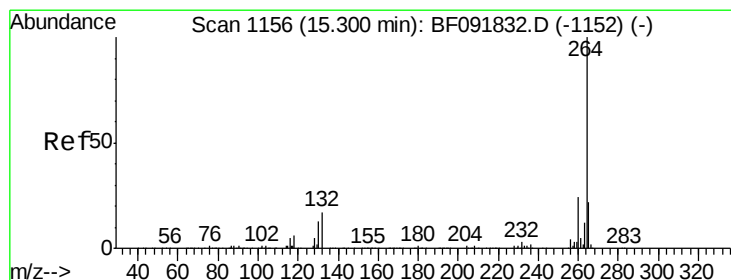
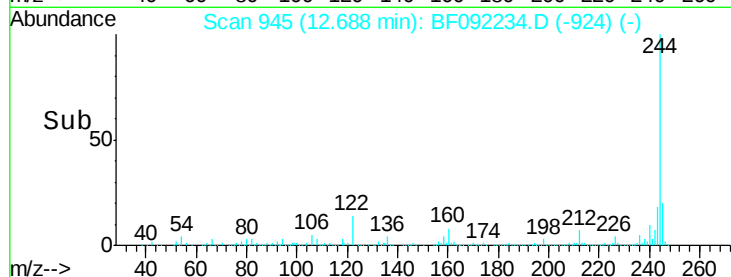
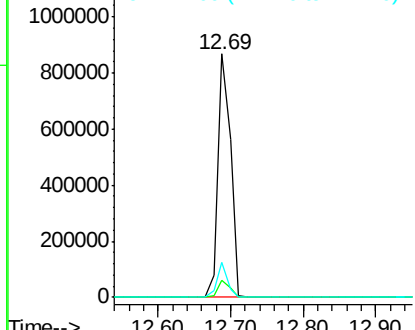
#78
 Terphenyl-d14
 Concen: 79.43 ng
 RT: 12.69 min Scan# 945
 Delta R.T. -0.06 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1043228
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 14.5 11.4 17.2

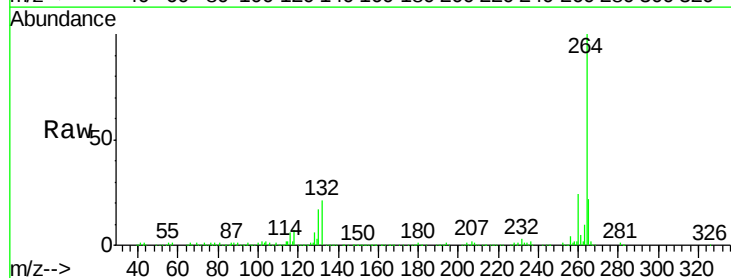


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

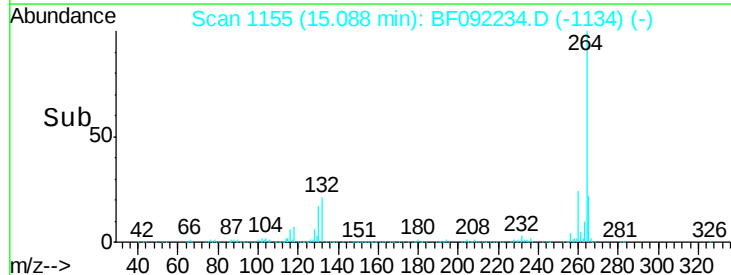
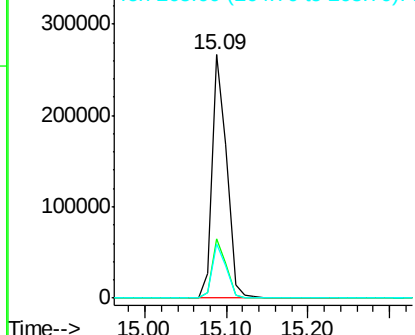


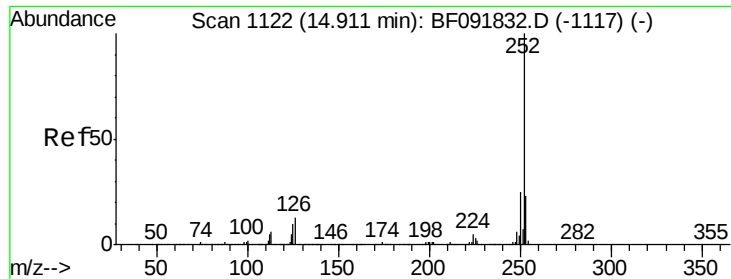
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1155
 Delta R.T. -0.06 min
 Lab File: BF092234.D
 Acq: 13 Jan 2017 4:46

Tgt Ion:264 Resp: 331854
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.0 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

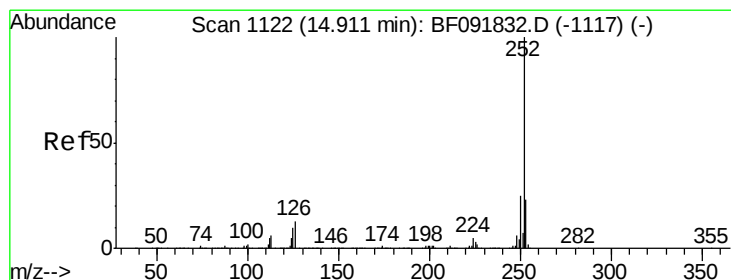
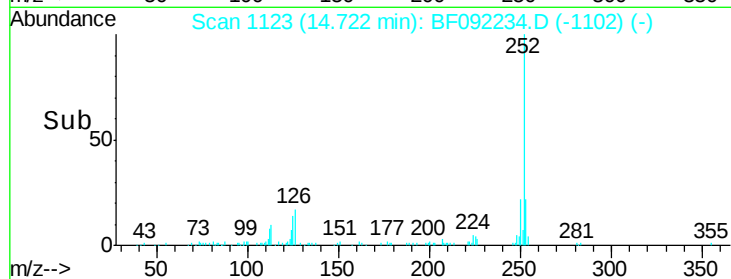
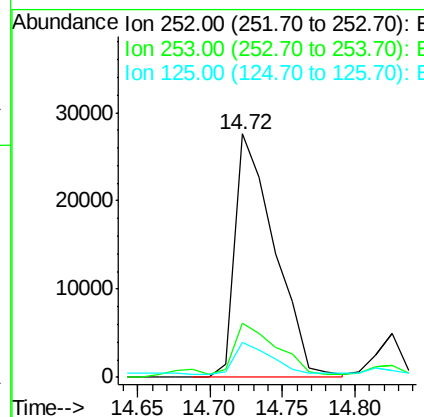
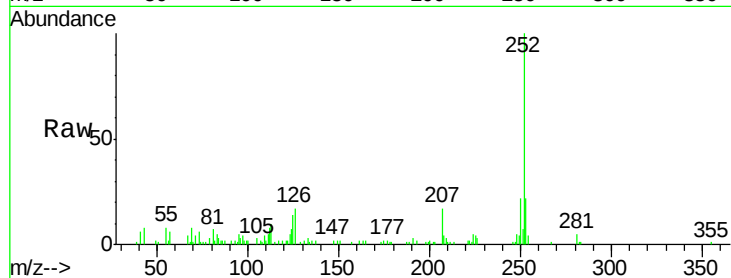




#87
Benzo(b)fluoranthene
Concen: 2.54 ng
RT: 14.72 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.3	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 2.97 ng
RT: 14.72 min Scan# 1123
Delta R.T. -0.08 min
Lab File: BF092234.D
Acq: 13 Jan 2017 4:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	14.3	8.9	13.3#

