

Data Path : Z:\HPCHEM1\BNA F\Data\BF020316\
 Data File : BF084826.D
 Acq On : 4 Feb 2016 10:40
 Operator : SJ/IZ
 Sample : H1322-10
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 04 11:35:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	177790	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	761945	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	316499	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	527968	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	382428	20.00	ng	-0.01
86) Perylene-d12	15.21	264	355497	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	1211132	106.11	ng	0.00
7) Phenol-d6	6.34	99	1544007	109.11	ng	0.00
23) Nitrobenzene-d5	7.25	82	886728	65.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	296213	89.72	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1504769	77.82	ng	0.00
78) Terphenyl-d14	12.78	244	842180	49.90	ng	-0.01

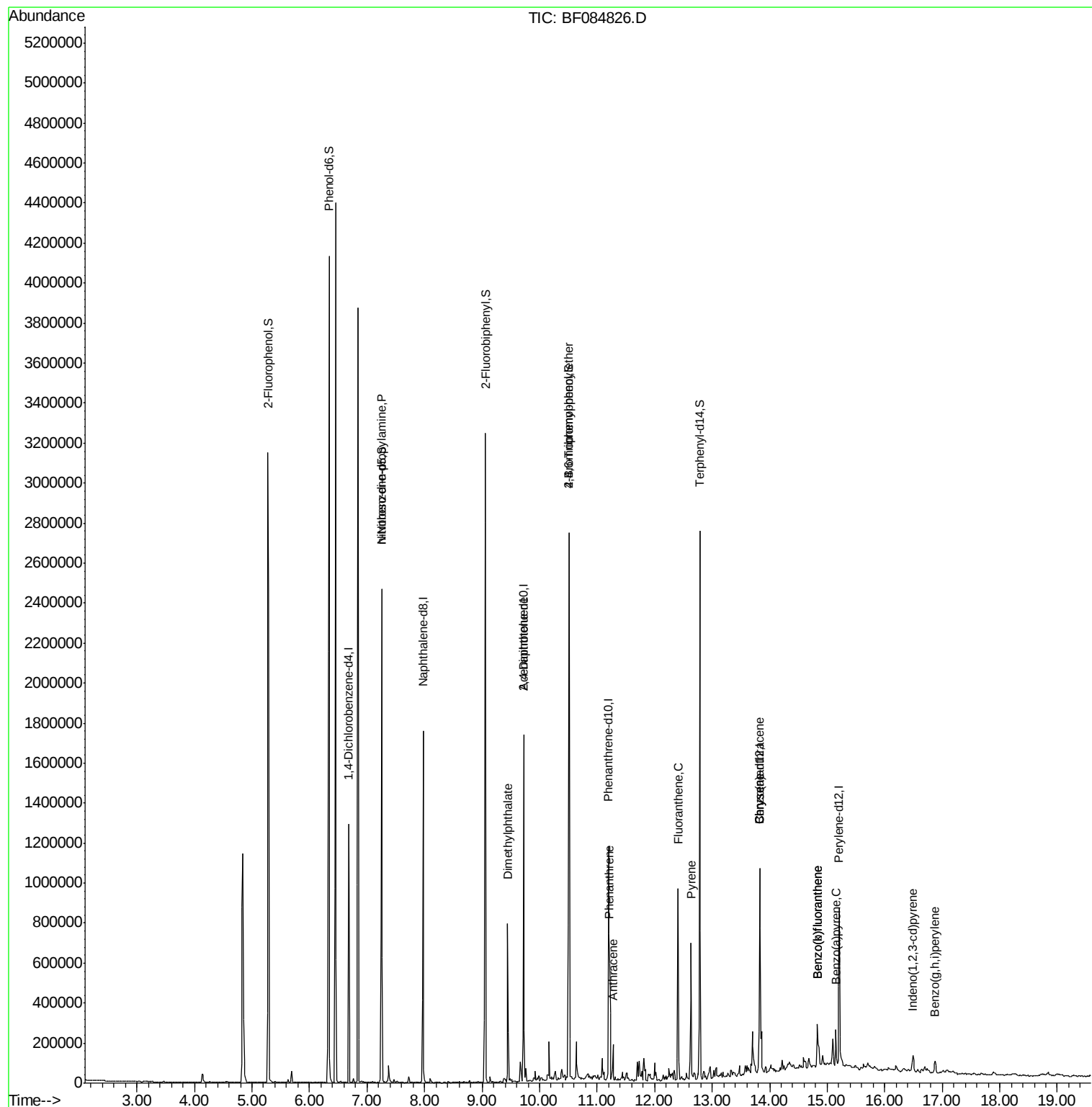
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	120705	13.61	ng	# 70
49) Dimethylphthalate	9.45	163	319236	13.24	ng	# 89
56) 2,4-Dinitrotoluene	9.72	165	41595	6.19	ng	# 21
60) 4-Chlorophenyl-phenylether	10.08	204	211	Below Cal		# 24
66) 4-Bromophenyl-phenylether	10.51	248	19714	3.38	ng	# 1
70) Phenanthrene	11.22	178	271801	9.28	ng	98
71) Anthracene	11.28	178	70241	2.38	ng	98
74) Fluoranthene	12.41	202	349992	11.81	ng	97
77) Pyrene	12.64	202	301006	10.28	ng	98
80) Benzo(a)anthracene	13.83	228	127995	5.39	ng	99
82) Chrysene	13.83	228	127995	5.56	ng	95
85) Indeno(1,2,3-cd)pyrene	16.49	276	51075	2.82	ng	96
87) Benzo(b)fluoranthene	14.83	252	154643	6.47	ng	# 96
88) Benzo(k)fluoranthene	14.83	252	154503	7.82	ng	100
89) Benzo(a)pyrene	15.15	252	84914	4.17	ng	97
91) Benzo(g,h,i)perylene	16.88	276	47625	2.76	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampleId :

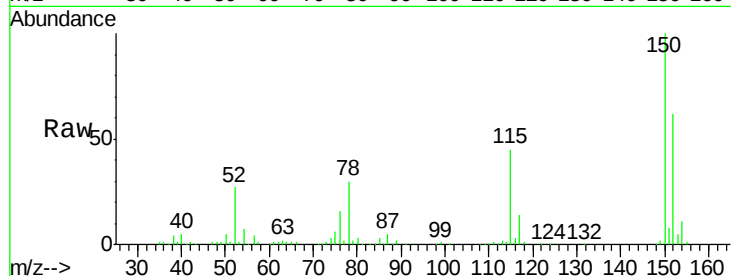
Tot Ion:152 Resp: 177790

Ion Ratio Lower Upper

152 100

150 162.4 123.0 184.4

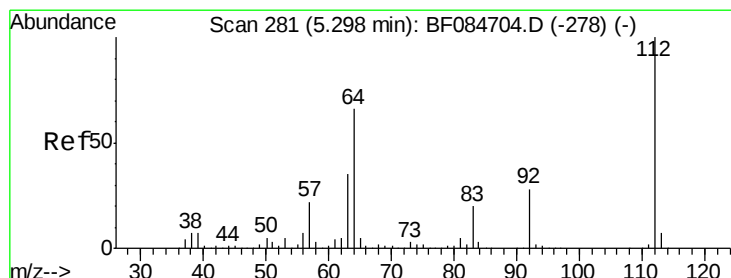
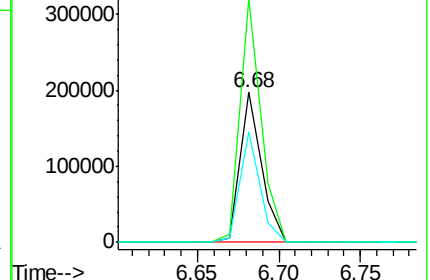
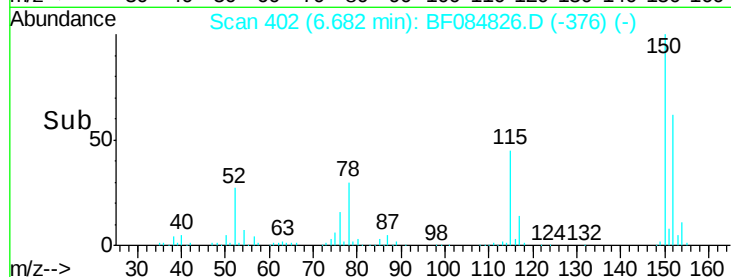
115 73.4 51.4 77.2



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: 106.11 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

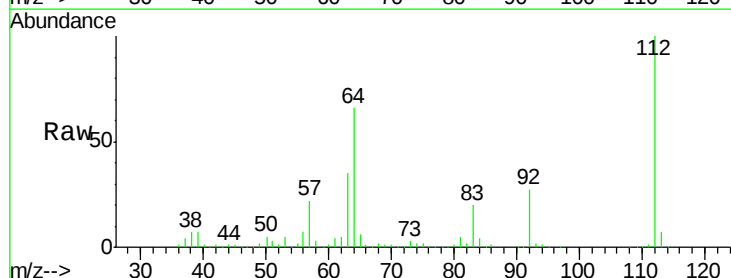
Tgt Ion:112 Resp: 1211132

Ion Ratio Lower Upper

112 100

64 66.5 36.6 55.0#

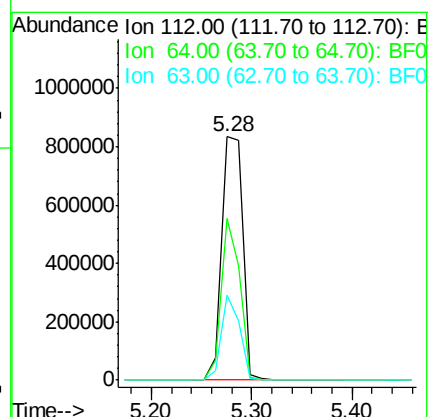
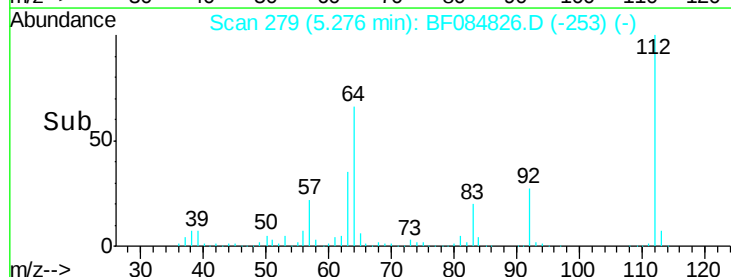
63 34.9 19.4 29.0#



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: 109.11 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampleId :

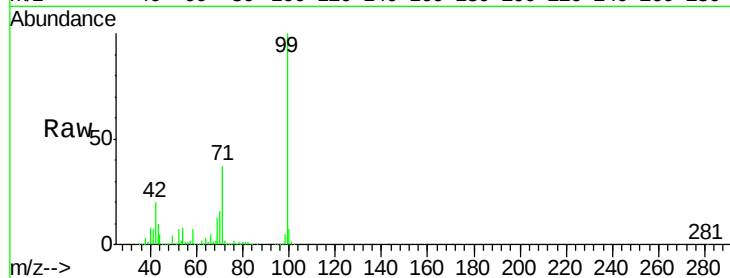
Tot Ion: 99 Resp: 1544007

Ion Ratio Lower Upper

99 100

42 19.8 12.8 19.2#

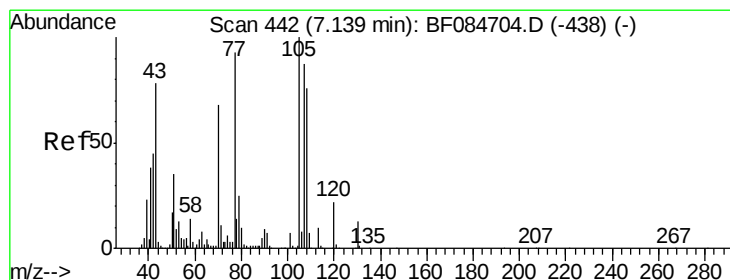
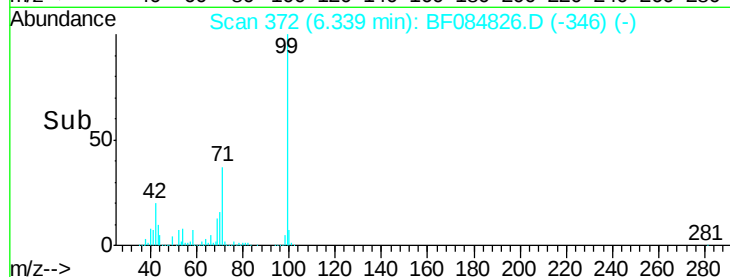
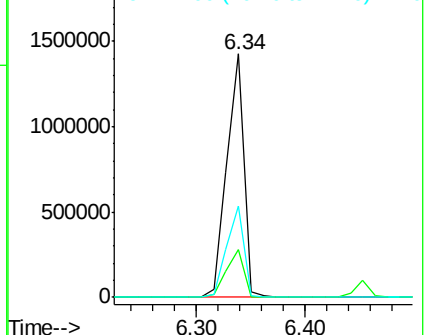
71 37.4 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.61 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.14 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Tgt Ion: 70 Resp: 120705

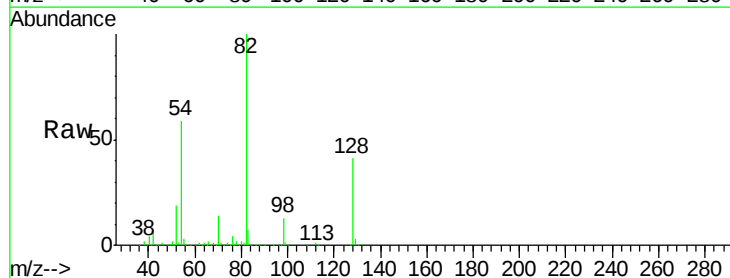
Ion Ratio Lower Upper

70 100

42 51.6 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

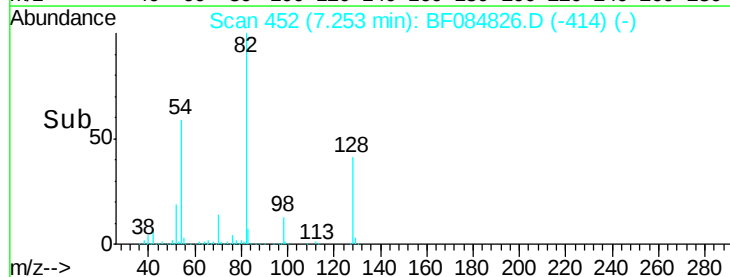
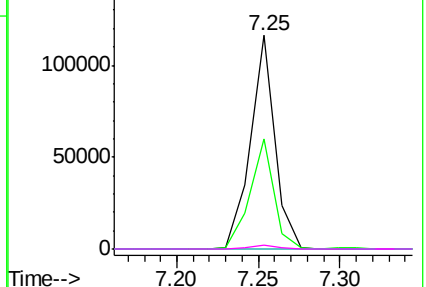


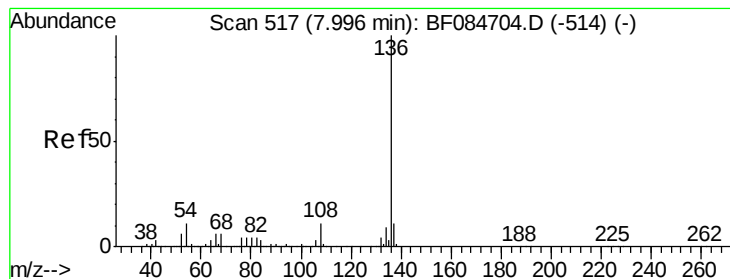
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 761945

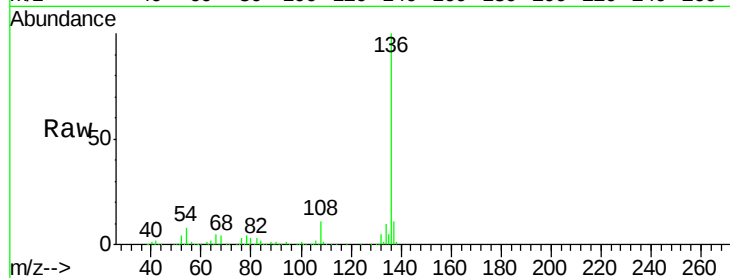
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 7.7 5.8 8.8

68 4.4 4.2 6.2

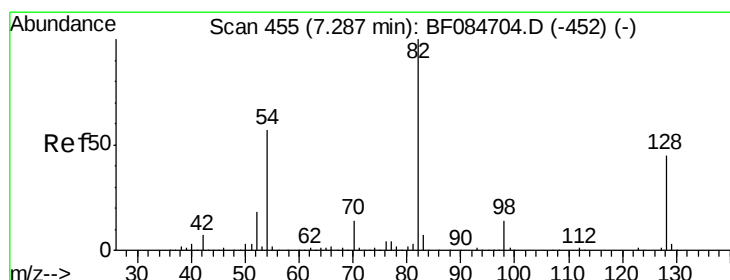
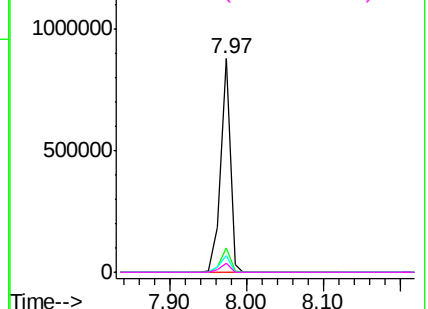
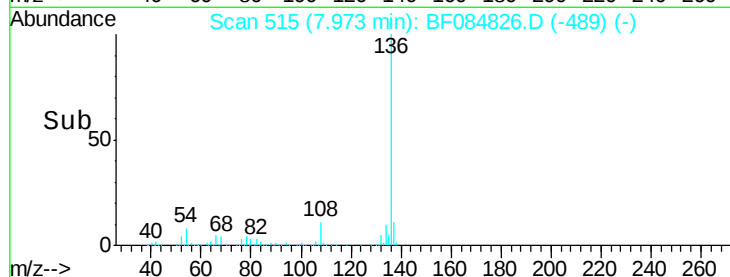


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.56 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

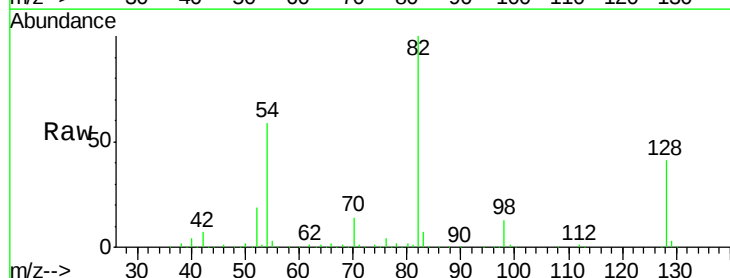
Tgt Ion: 82 Resp: 886728

Ion Ratio Lower Upper

82 100

128 41.3 34.6 51.8

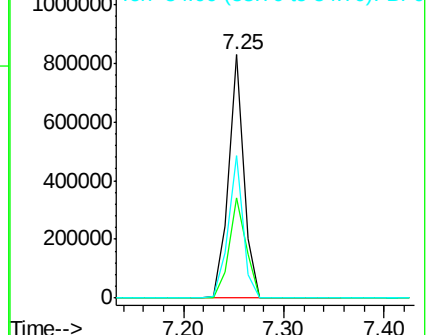
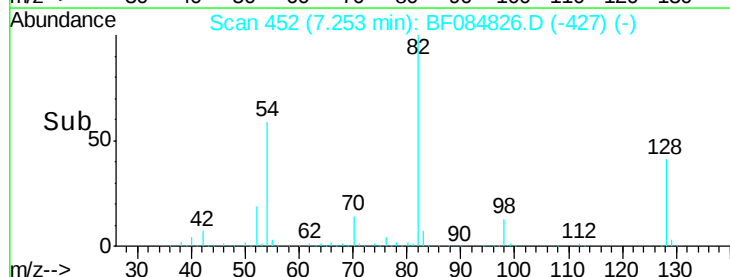
54 58.6 38.4 57.6#

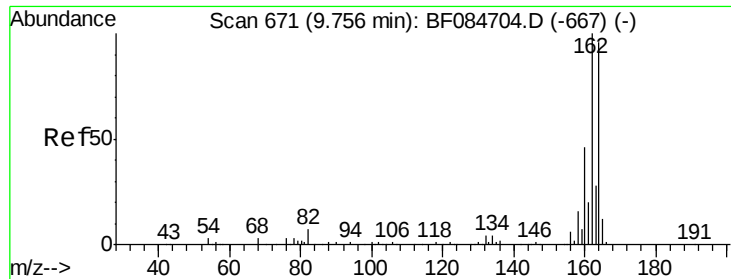


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampleId :

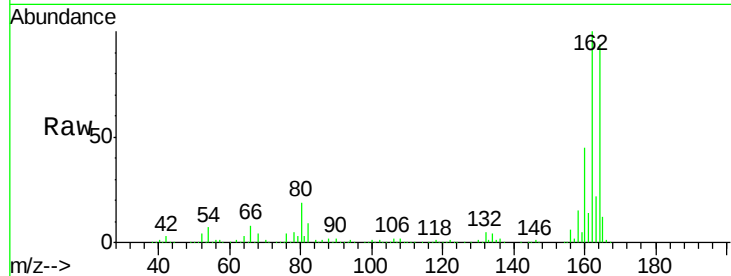
Tot Ion:164 Resp: 316499

Ion Ratio Lower Upper

164 100

162 106.2 85.1 127.7

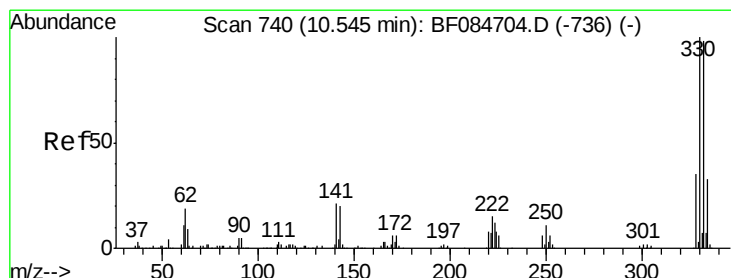
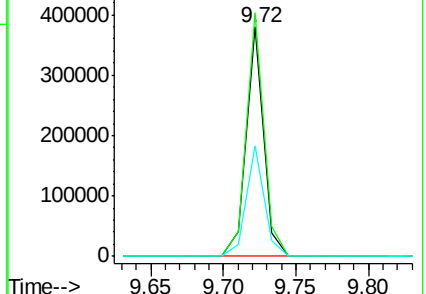
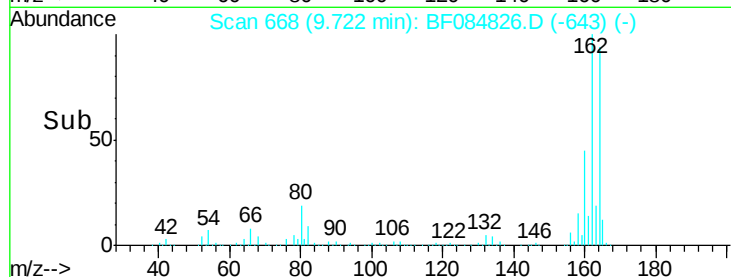
160 47.9 37.5 56.3



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: 89.72 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

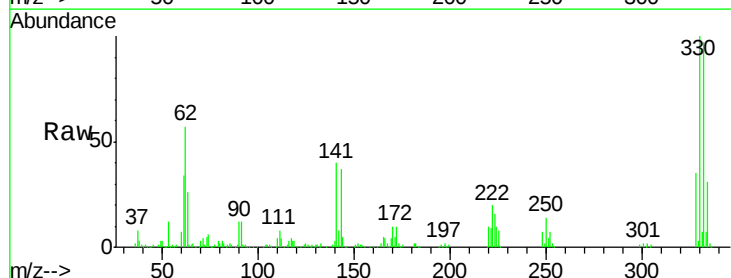
Tgt Ion:330 Resp: 296213

Ion Ratio Lower Upper

330 100

332 96.2 76.6 114.8

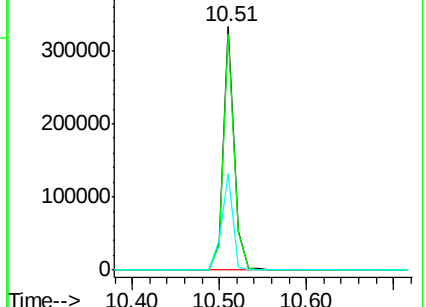
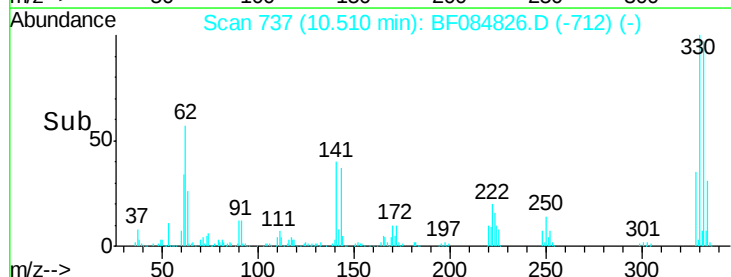
141 41.7 27.8 41.6#

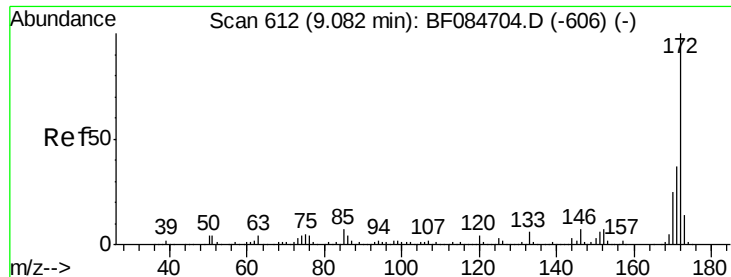


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

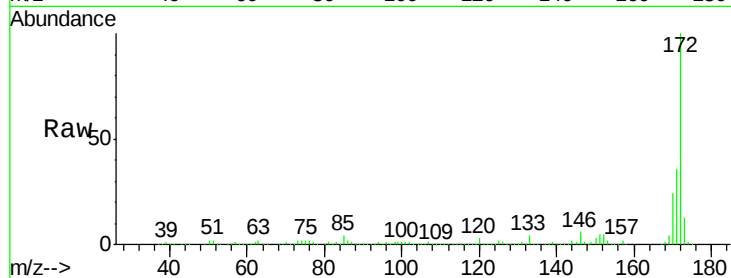




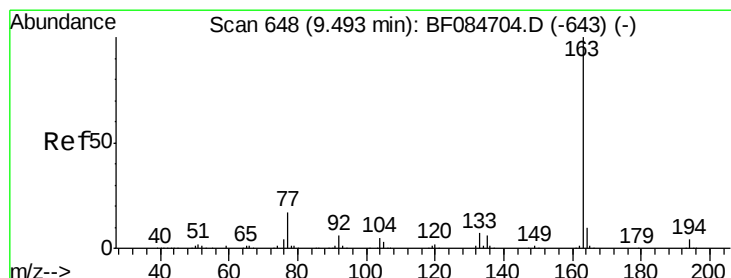
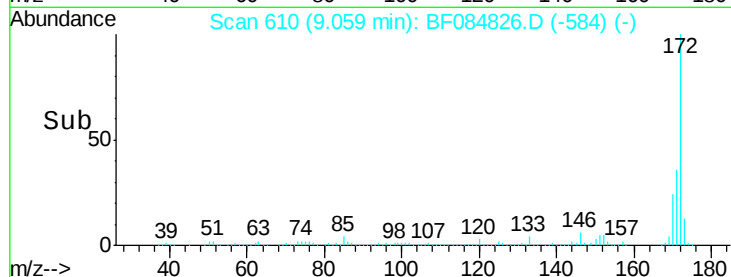
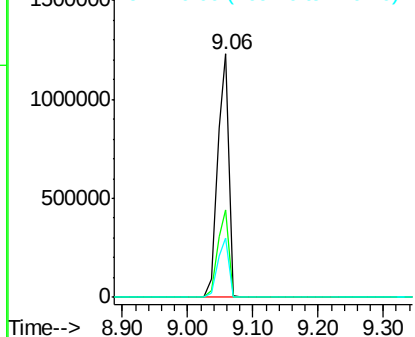
#44
2-Fluorobiphenyl
Concen: 77.82 ng
RT: 9.06 min Scan# 610
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1504769
Ion Ratio Lower Upper
172 100
171 36.0 28.9 43.3
170 24.4 18.6 27.8

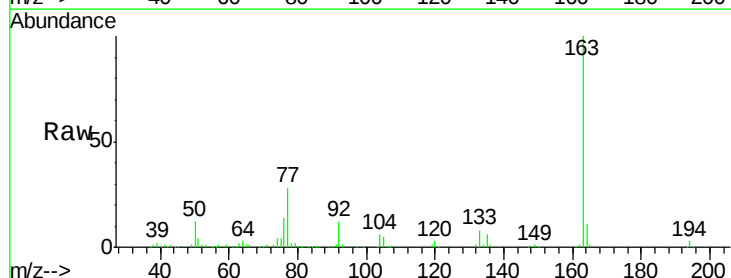


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

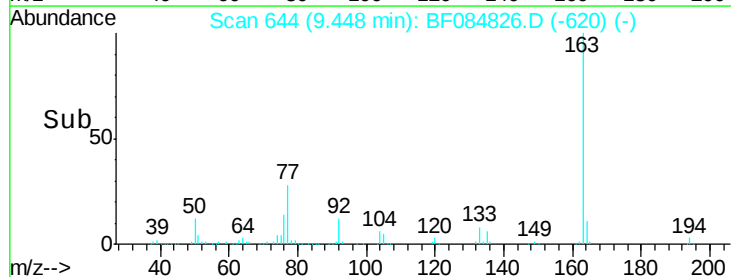
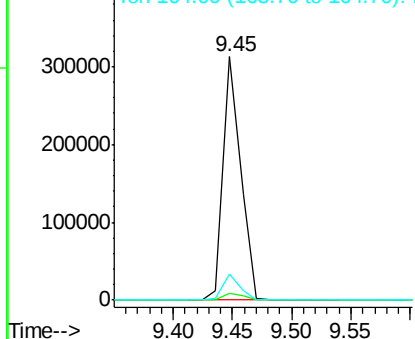


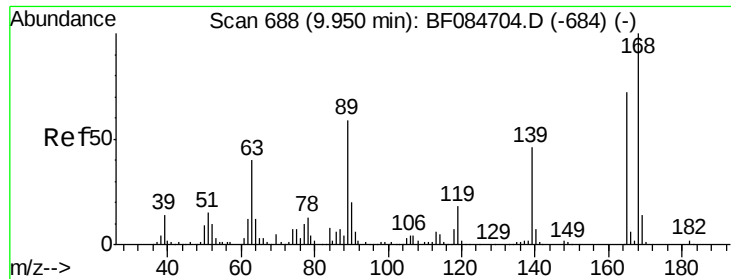
#49
Dimethylphthalate
Concen: 13.24 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion:163 Resp: 319236
Ion Ratio Lower Upper
163 100
194 2.8 8.0 12.0#
164 10.8 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

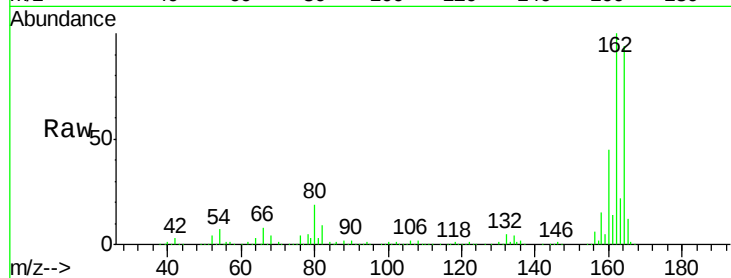




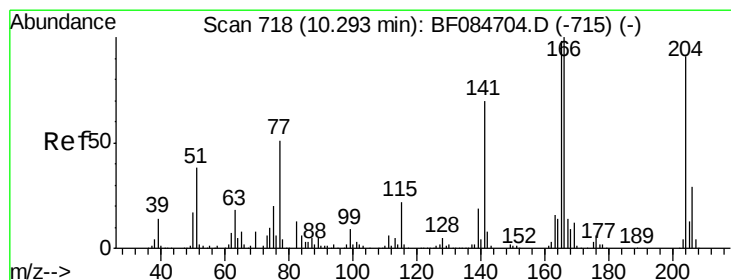
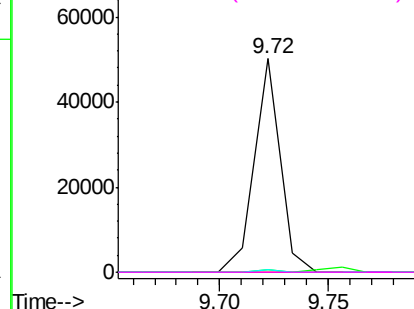
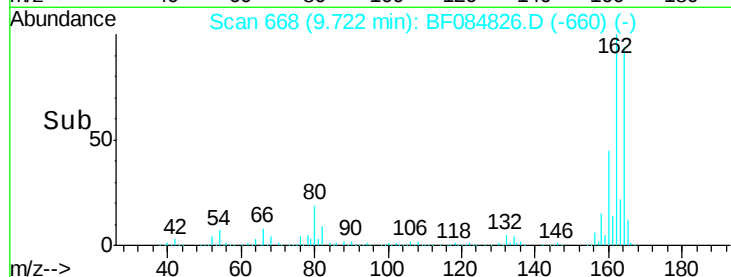
#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.21 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.7	55.1#
89	1.2	61.9	92.9#
182	0.0	2.0	3.0#

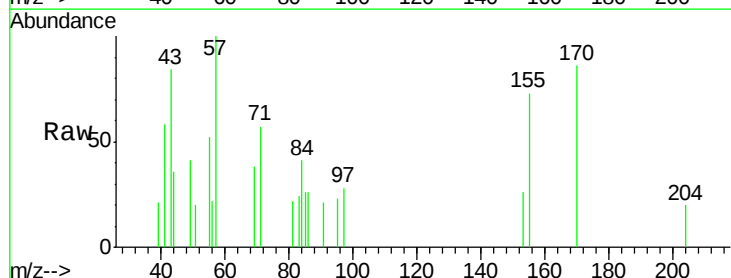


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

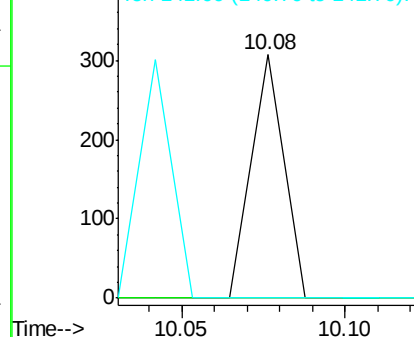
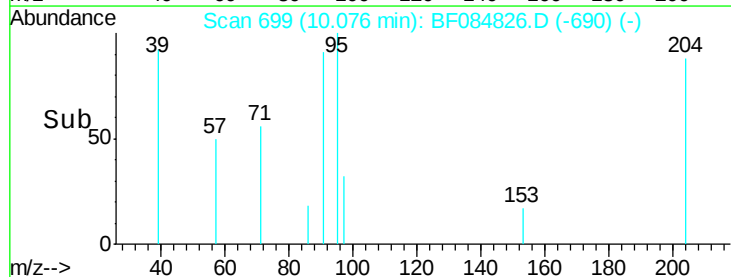


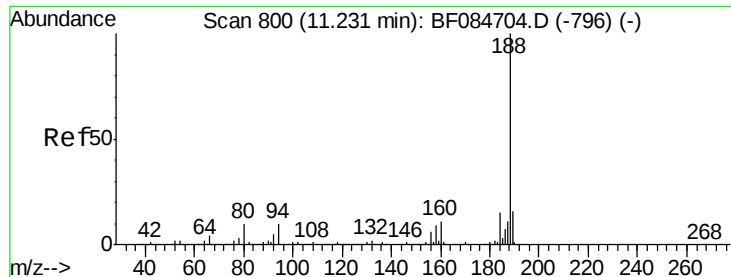
#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.08 min Scan# 699
 Delta R.T. -0.19 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
204	100		
206	0.0	25.7	38.5#
141	0.0	55.1	82.7#



Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

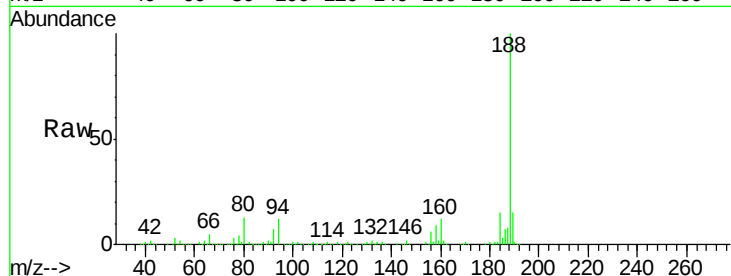




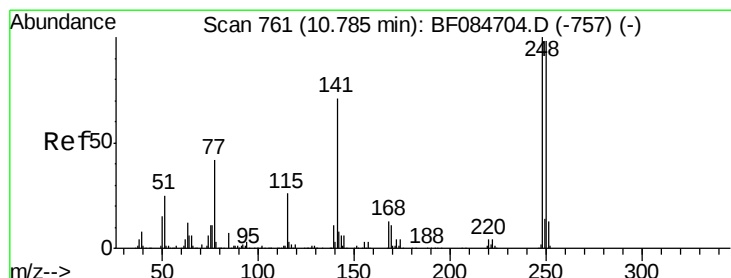
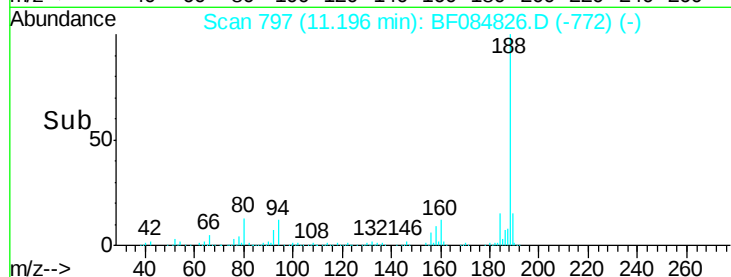
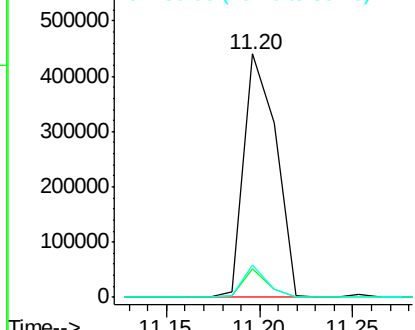
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 527968
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.4
80 13.4 9.6 14.4

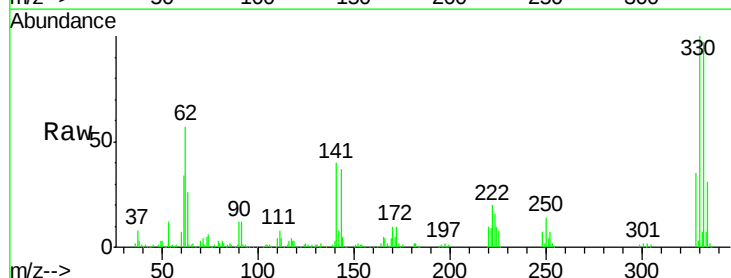


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

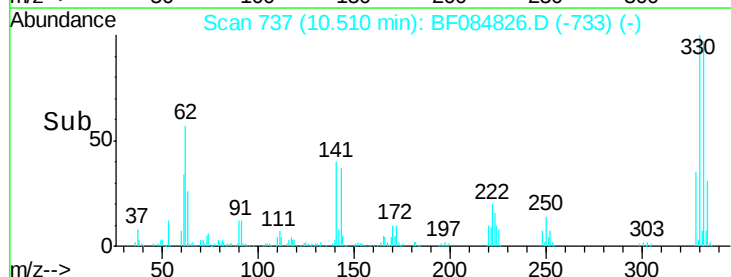
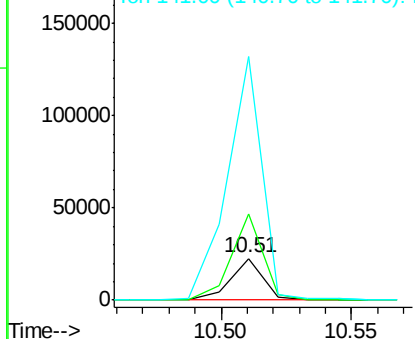


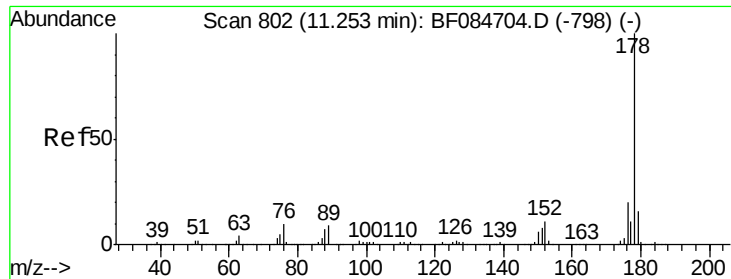
#66
4-Bromophenyl-phenylether
Concen: 3.38 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.25 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion:248 Resp: 19714
Ion Ratio Lower Upper
248 100
250 203.9 78.4 117.6#
141 580.0 44.0 66.0#



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

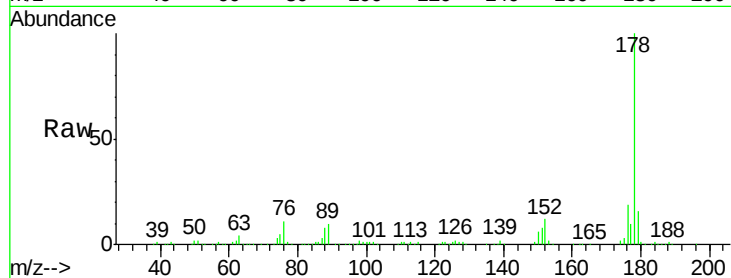




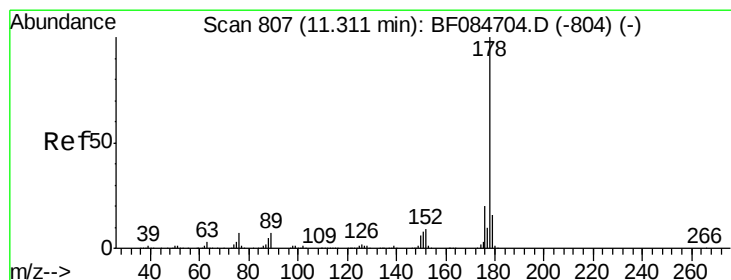
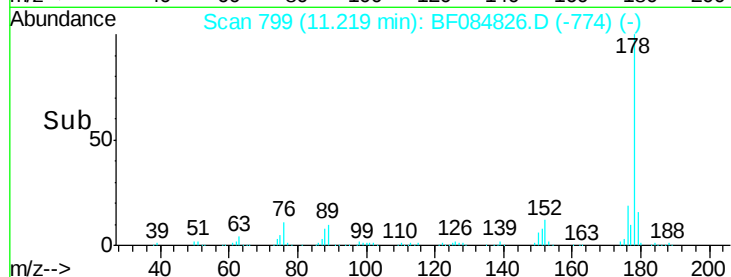
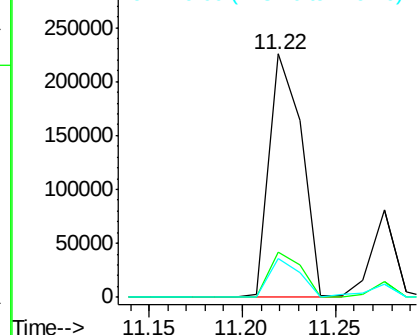
#70
Phenanthrene
Concen: 9.28 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 271801
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.1 12.0 18.0

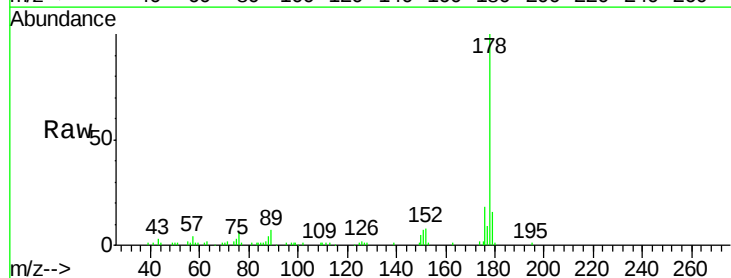


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

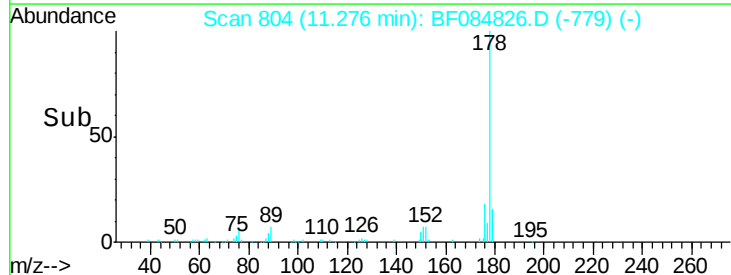
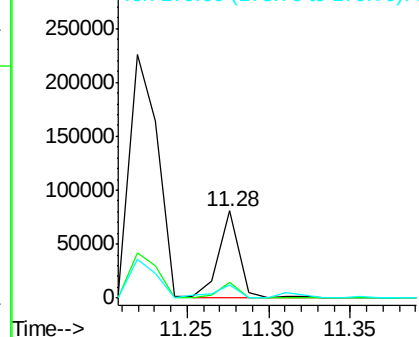


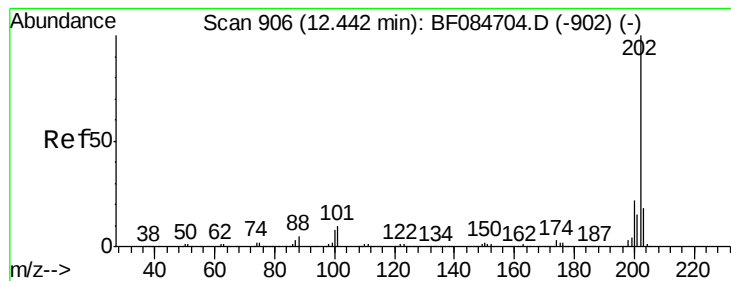
#71
Anthracene
Concen: 2.38 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion:178 Resp: 70241
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 15.7 12.5 18.7



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

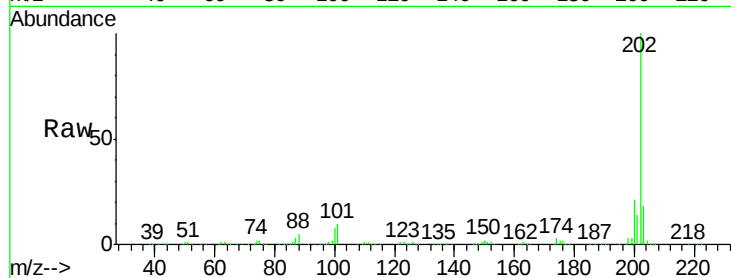




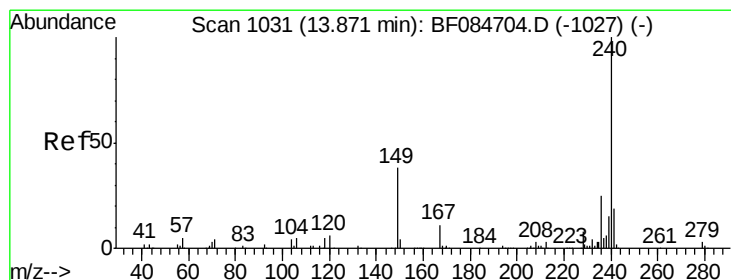
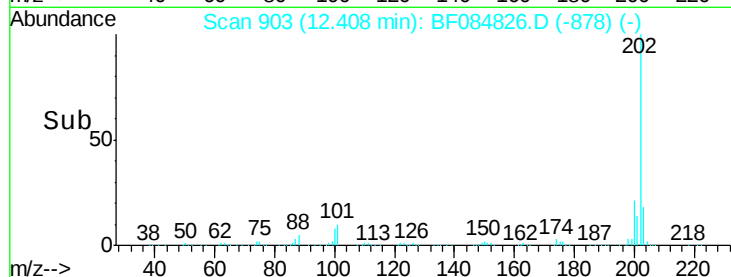
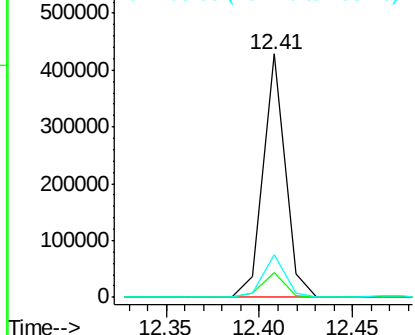
#74
Fluoranthene
Concen: 11.81 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	32.8
203	17.6	0.0	37.9

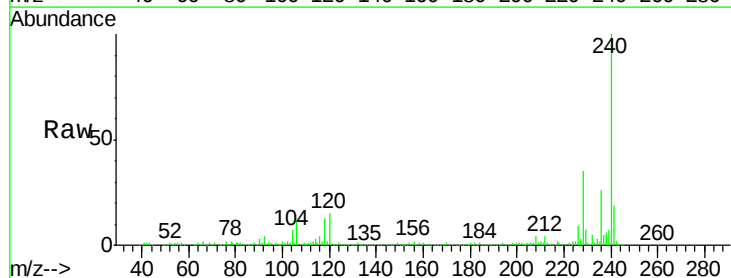


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

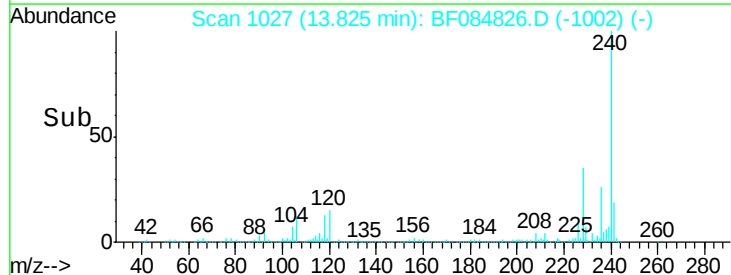
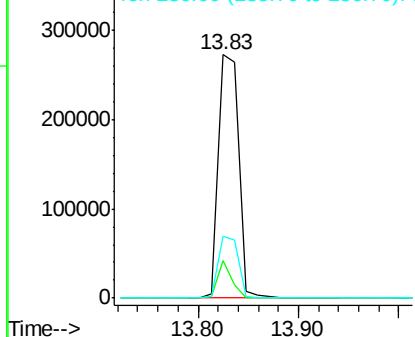


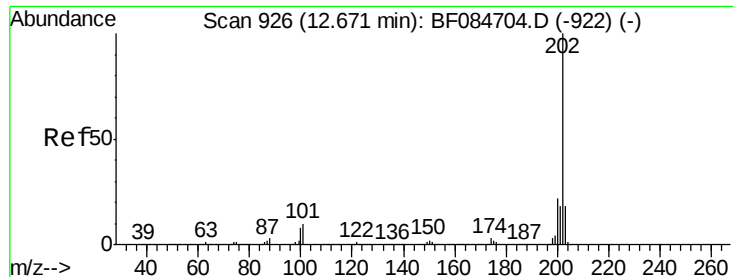
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	25.6	20.6	31.0



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

Pvrene

Concen: 10.28 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampleId :

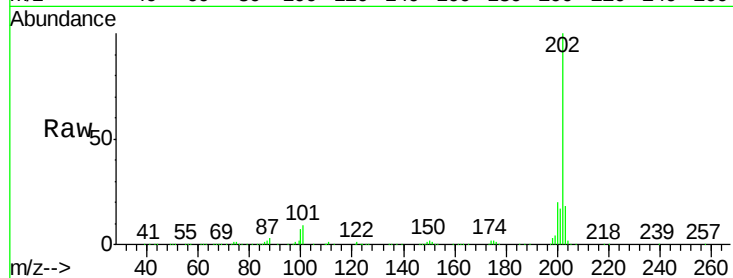
Tot Ion:202 Resp: 301006

Ion Ratio Lower Upper

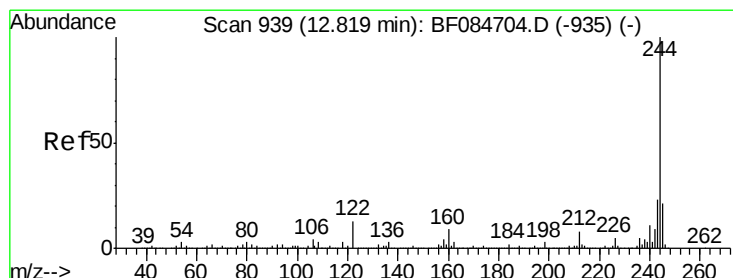
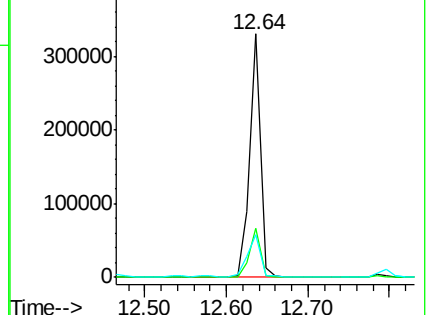
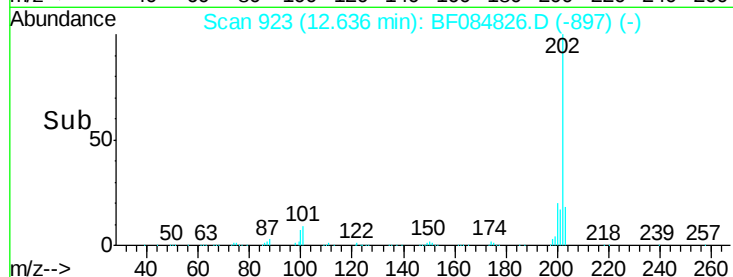
202 100

200 20.0 17.2 25.8

203 17.7 14.3 21.5



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: 49.90 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

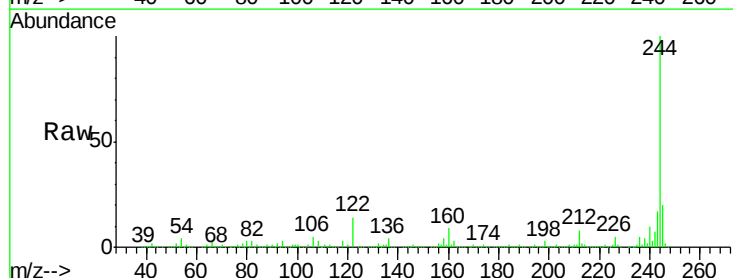
Tgt Ion:244 Resp: 842180

Ion Ratio Lower Upper

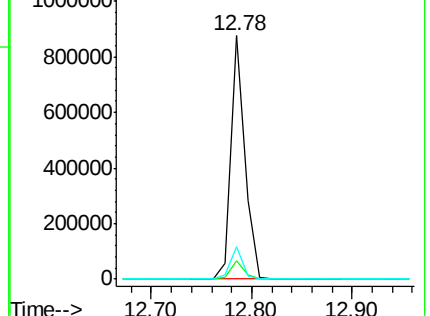
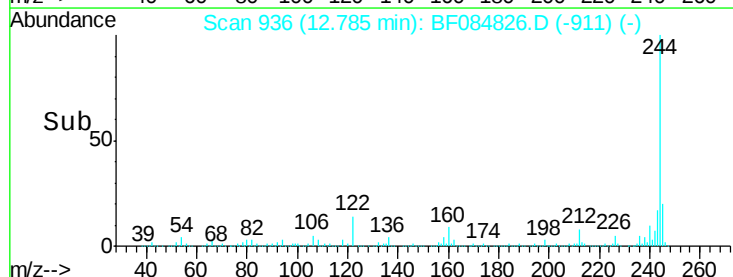
244 100

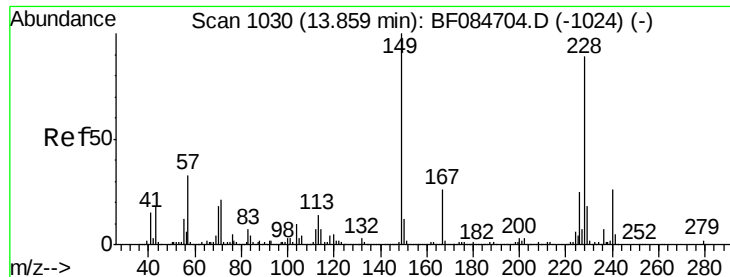
212 7.6 5.7 8.5

122 13.5 7.4 11.0#



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

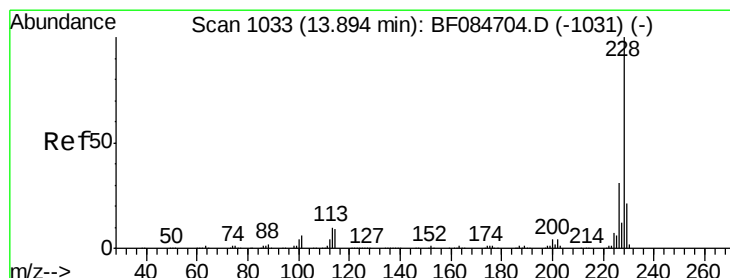
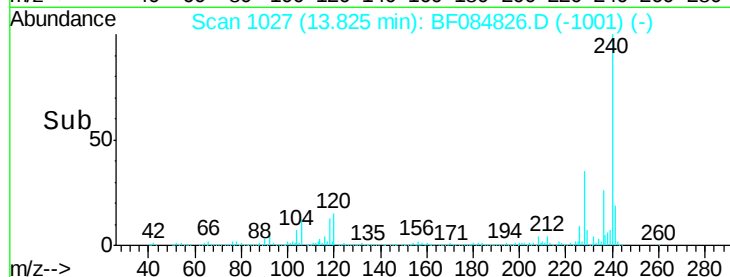
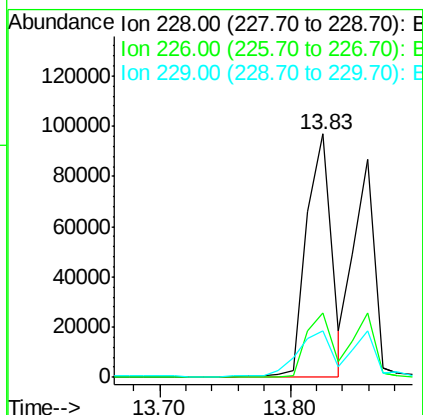
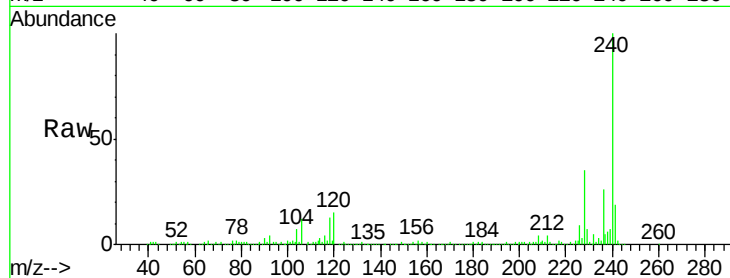




#80
Benzo(a)anthracene
Concen: 5.39 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

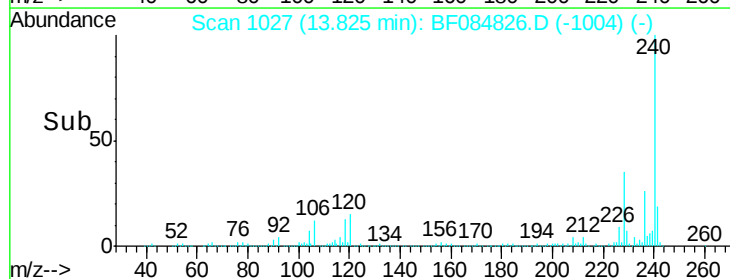
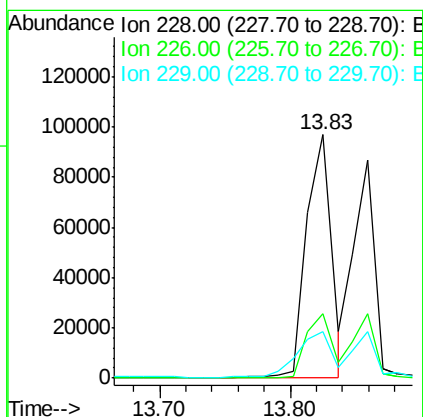
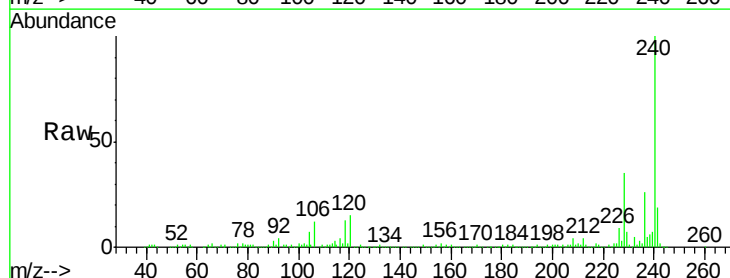
Instrument :
BNA_F
ClientSampleId :

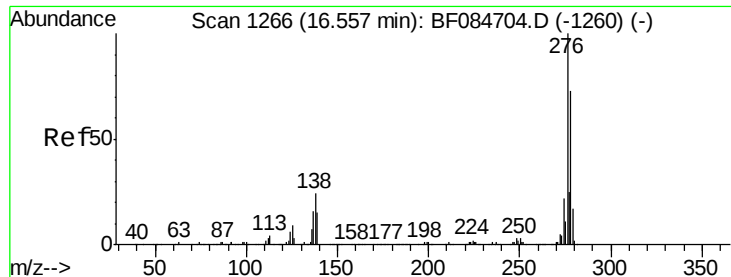
Tot Ion:228 Resp: 127995
Ion Ratio Lower Upper
228 100
226 26.3 21.8 32.6
229 19.3 15.8 23.8



#82
Chrysene
Concen: 5.56 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion:228 Resp: 127995
Ion Ratio Lower Upper
228 100
226 26.3 24.3 36.5
229 19.3 16.1 24.1

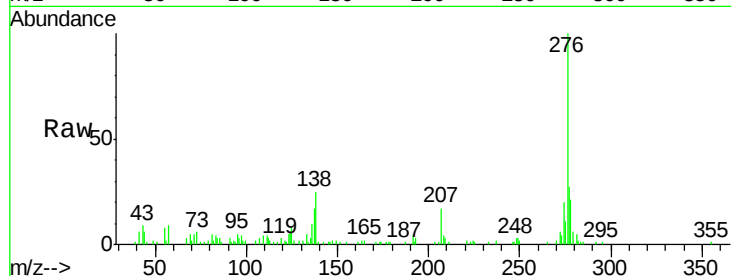




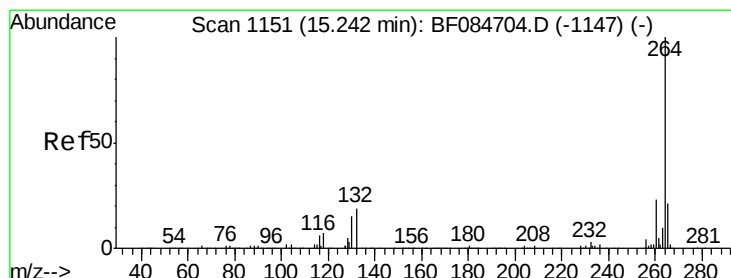
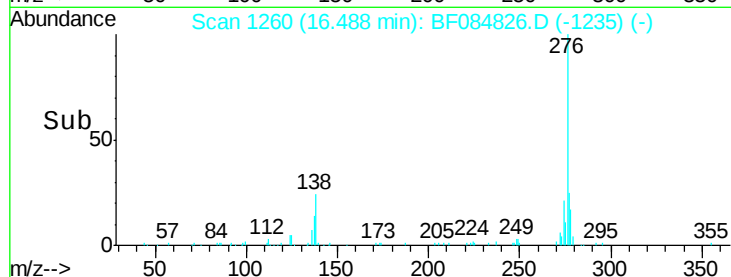
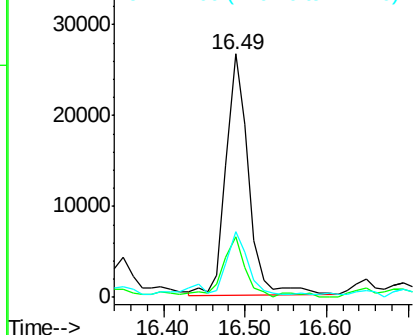
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.82 ng
 RT: 16.49 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.6	30.8
277	29.1	20.1	30.1

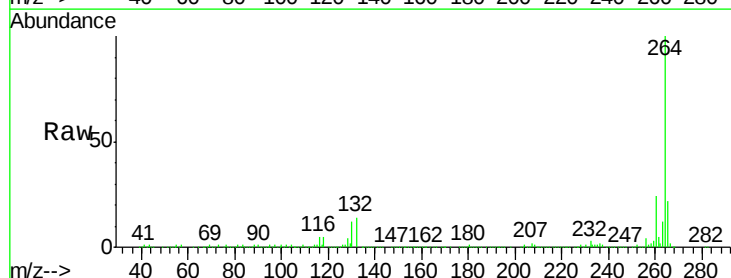


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

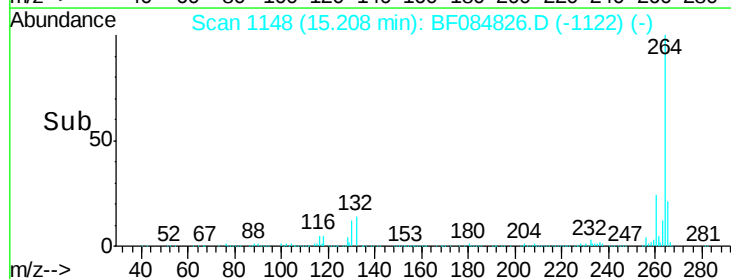
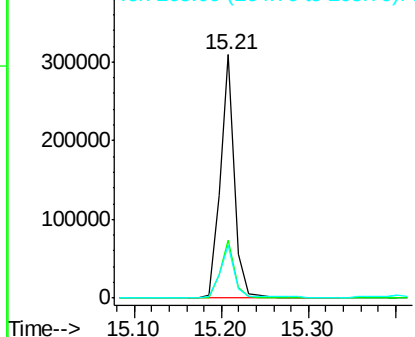


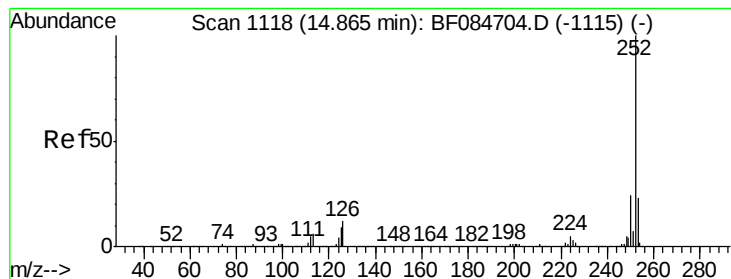
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BF084826.D
 Acq: 4 Feb 2016 10:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.5	17.8	26.6



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: 6.47 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

Instrument :

BNA_F

ClientSampled :

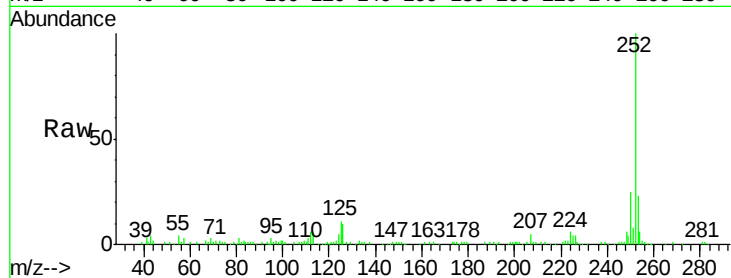
Tot Ion:252 Resp: 154643

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

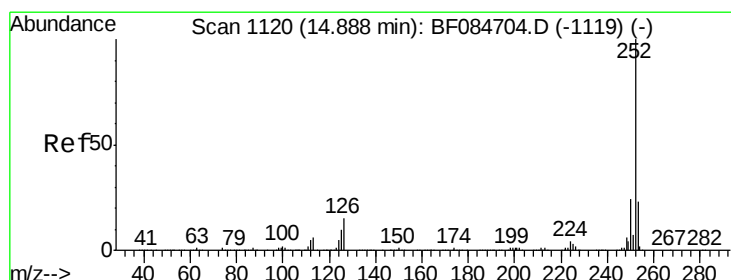
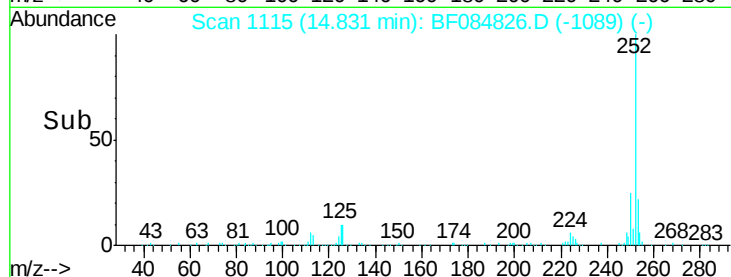
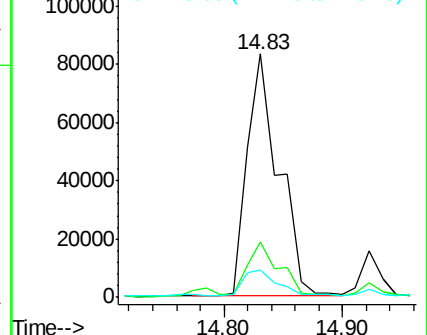
125 11.1 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 7.82 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF084826.D

Acq: 4 Feb 2016 10:40

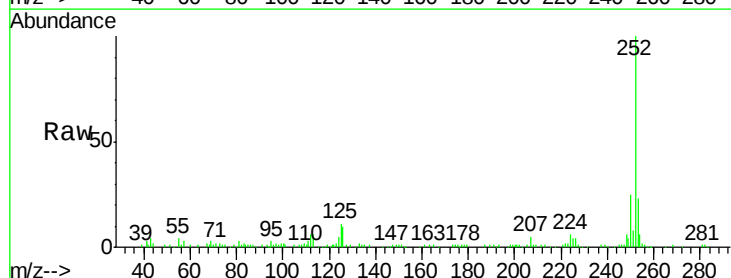
Tgt Ion:252 Resp: 154503

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

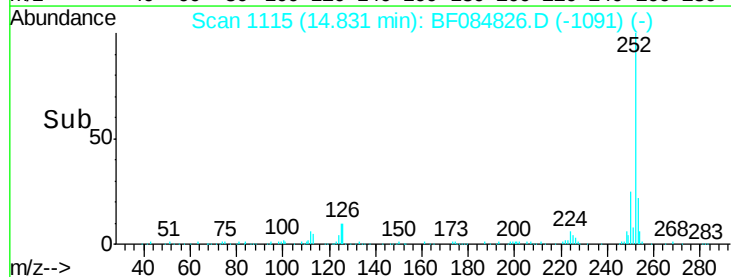
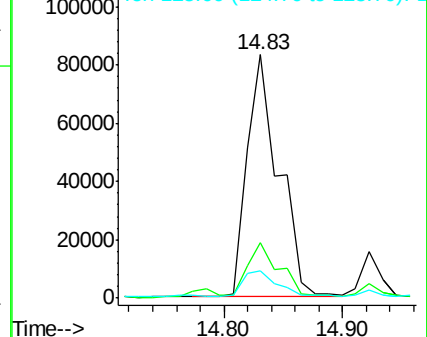
125 11.1 9.0 13.6

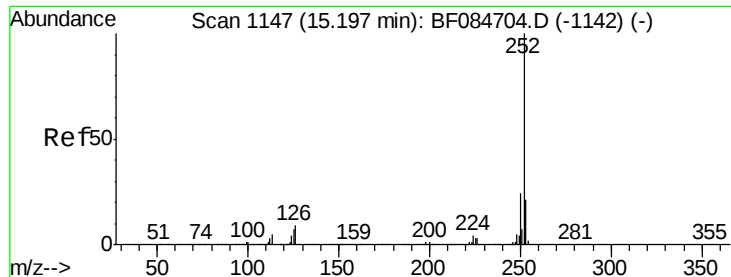


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

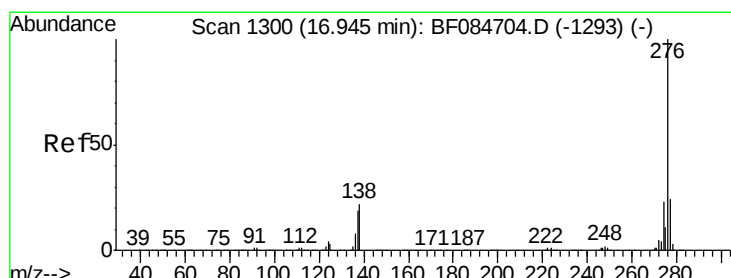
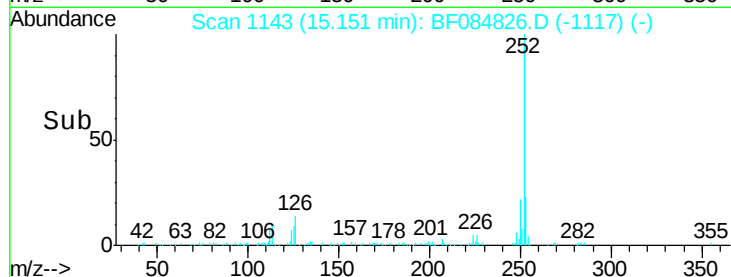
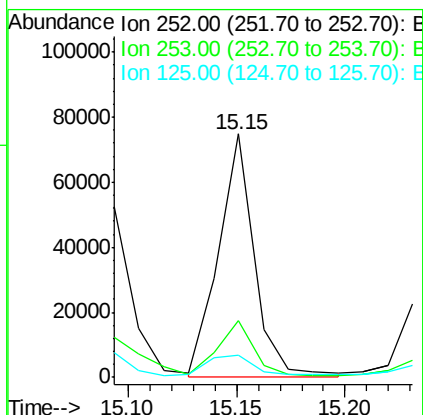
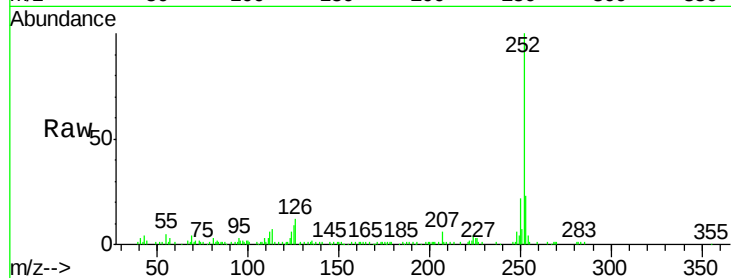




#89
Benzo(a)pyrene
Concen: 4.17 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 84914
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 8.9 7.0 10.4



#91
Benzo(g,h,i)perylene
Concen: 2.76 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF084826.D
Acq: 4 Feb 2016 10:40

Tgt Ion:276 Resp: 47625
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 20.8 17.8 26.6

