

Data Path : Z:\HPCHEM1\BNA F\Data\BF020316\
 Data File : BF084823.D
 Acq On : 4 Feb 2016 9:16
 Operator : SJ/IZ
 Sample : H1322-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 04 10:12:37 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

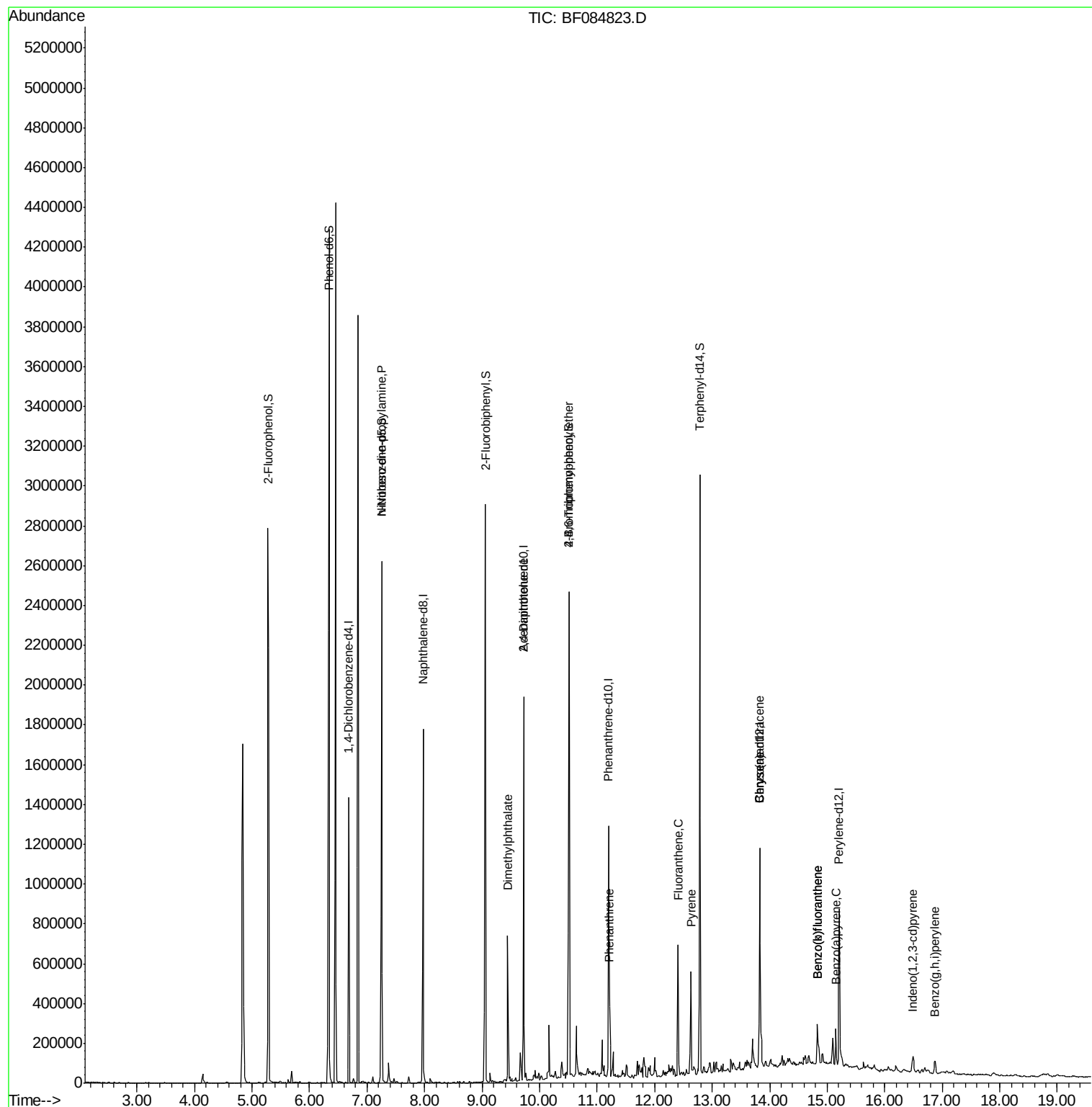
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	191120	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	825690	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	353077	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	580278	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	384497	20.00	ng	-0.01
86) Perylene-d12	15.21	264	361517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1053932	85.89	ng	0.00
7) Phenol-d6	6.34	99	1619377	106.46	ng	0.00
23) Nitrobenzene-d5	7.25	82	927101	63.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	269203	73.10	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1460708	64.28	ng	0.00
78) Terphenyl-d14	12.79	244	1054501	62.15	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	126329	13.25	ng	# 71
49) Dimethylphthalate	9.45	163	309021	11.49	ng	# 89
56) 2,4-Dinitrotoluene	9.72	165	47550	6.35	ng	# 21
66) 4-Bromophenyl-phenylether	10.51	248	17713	2.76	ng	# 1
70) Phenanthrene	11.22	178	151376	4.70	ng	99
74) Fluoranthene	12.41	202	252409	7.75	ng	96
77) Pyrene	12.64	202	249246	8.47	ng	98
80) Benzo(a)anthracene	13.83	228	199379	8.35	ng	96
82) Chrysene	13.83	228	199379	8.62	ng	99
85) Indeno(1,2,3-cd)pyrene	16.49	276	53446	2.93	ng	99
87) Benzo(b)fluoranthene	14.83	252	141960	5.84	ng	98
88) Benzo(k)fluoranthene	14.83	252	141915	7.07	ng	# 98
89) Benzo(a)pyrene	15.15	252	82648	3.99	ng	97
91) Benzo(a,h,i)perylene	16.88	276	53650	3.06	ng	98

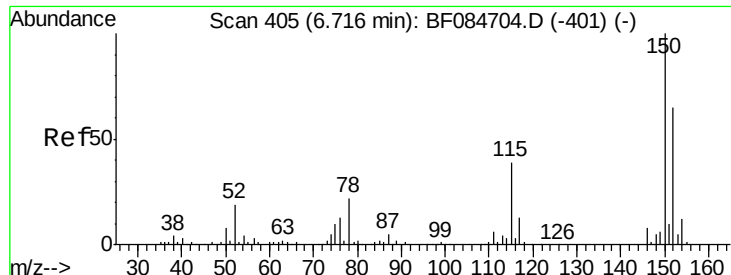
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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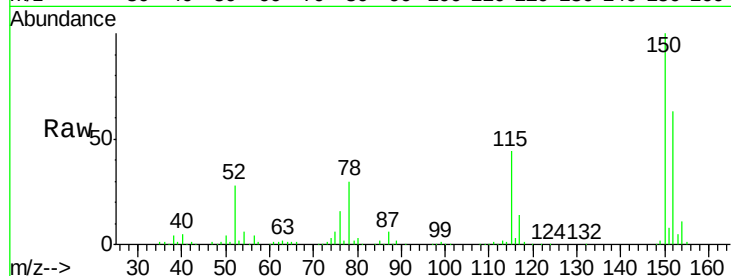


#1

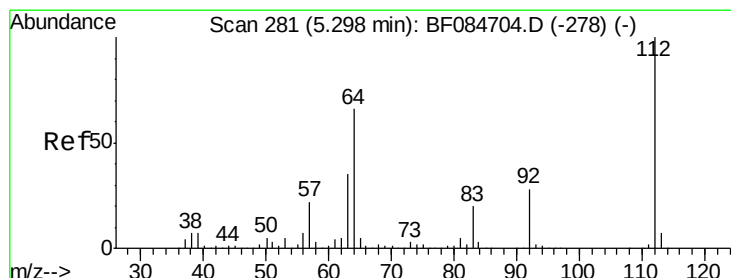
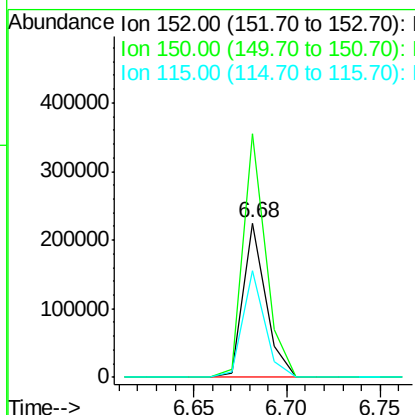
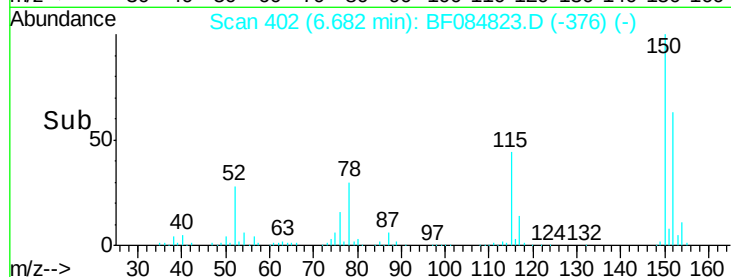
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 191120
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.4
115 68.7 51.4 77.2



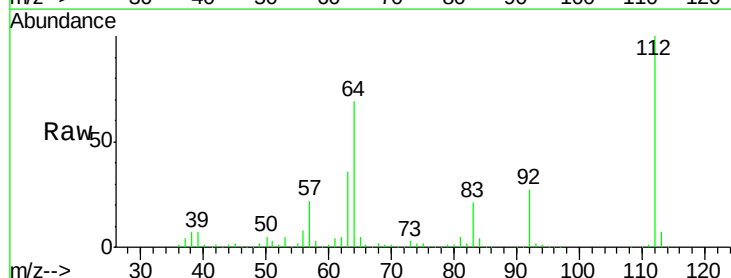
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



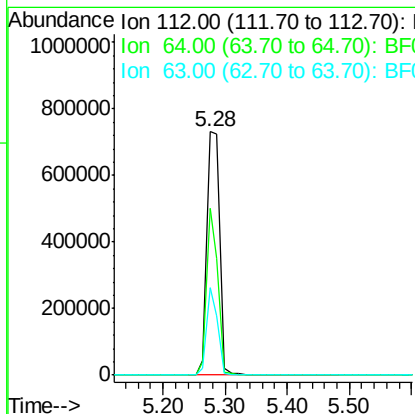
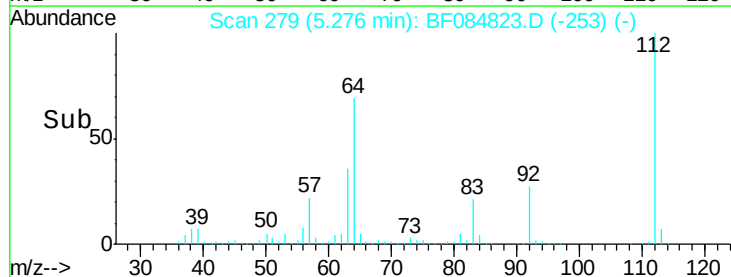
#5

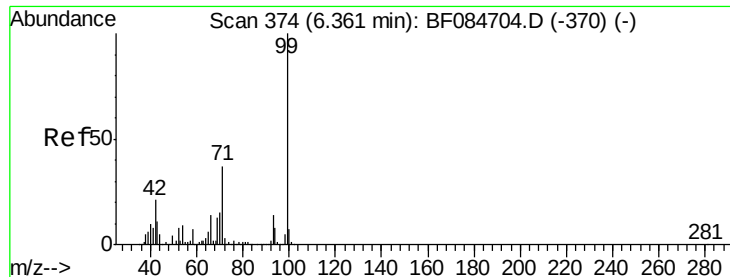
2-Fluorophenol
Concen: 85.89 ng
RT: 5.28 min Scan# 279
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion:112 Resp: 1053932
Ion Ratio Lower Upper
112 100
64 68.5 36.6 55.0#
63 35.9 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: 106.46 ng

RT: 6.34 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

ClientSampleId :

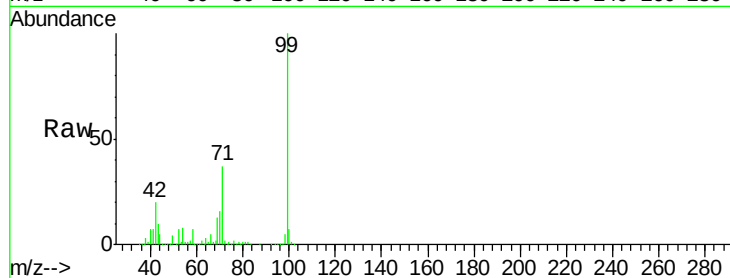
Tot Ion: 99 Resp: 1619377

Ion Ratio Lower Upper

99 100

42 19.8 12.8 19.2#

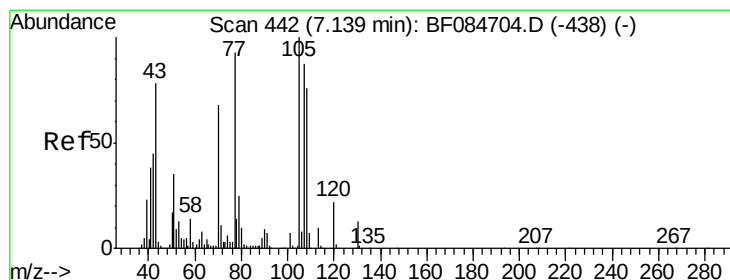
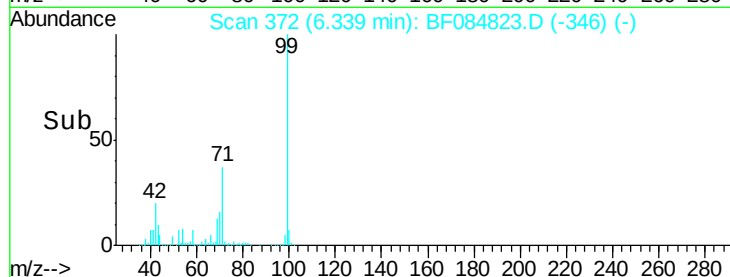
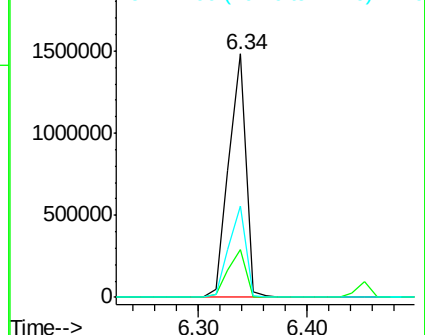
71 37.3 30.9 46.3



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: 13.25 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.14 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tgt Ion: 70 Resp: 126329

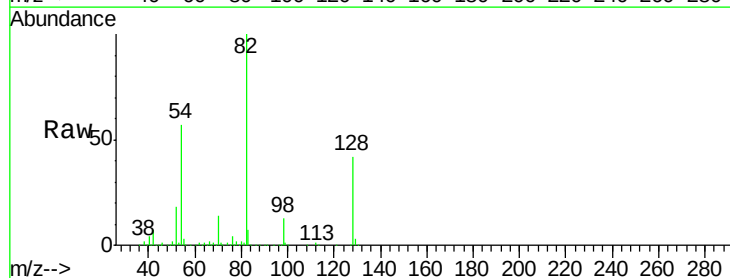
Ion Ratio Lower Upper

70 100

42 49.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

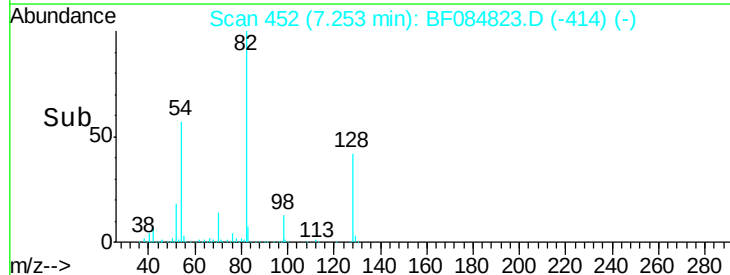
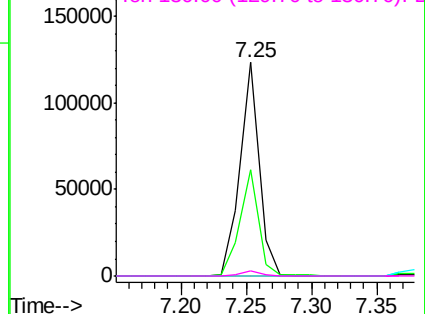


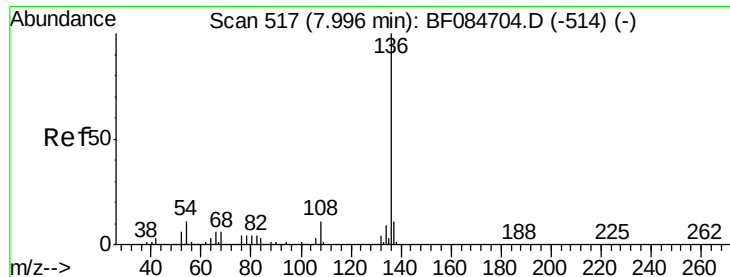
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 825690

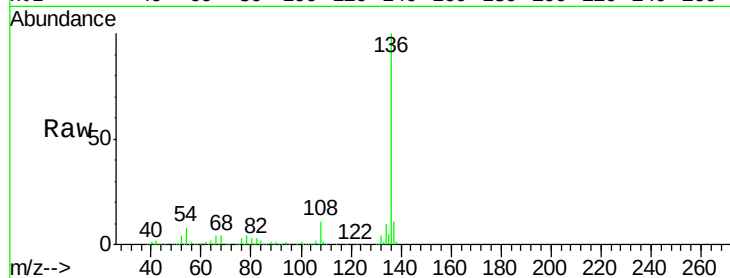
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.6 5.8 8.8

68 4.4 4.2 6.2

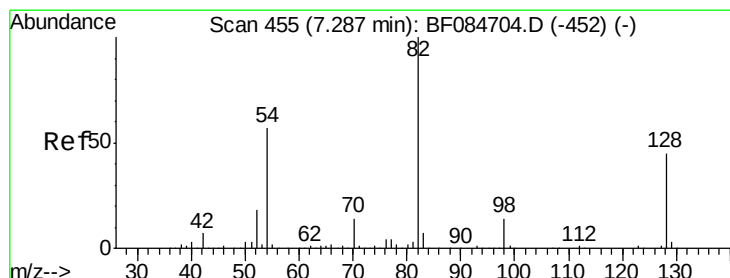
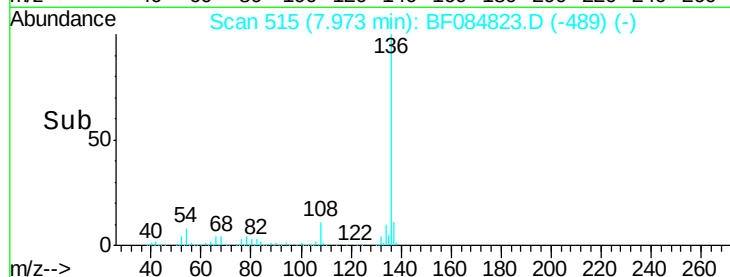
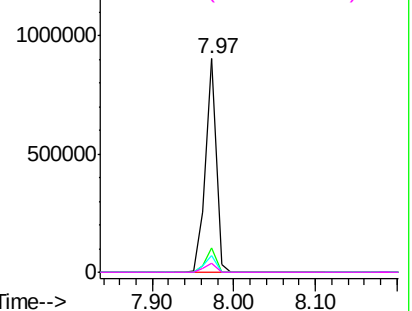


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.25 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

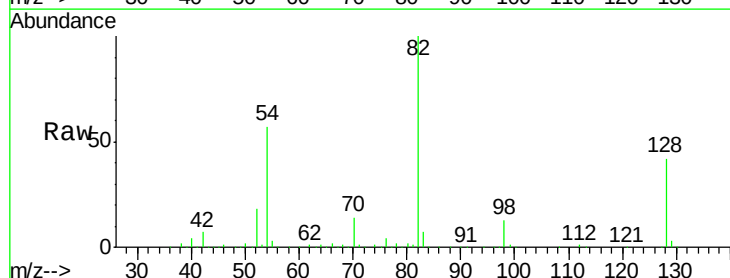
Tgt Ion: 82 Resp: 927101

Ion Ratio Lower Upper

82 100

128 41.8 34.6 51.8

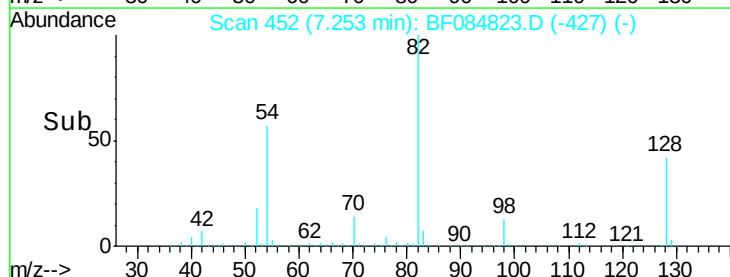
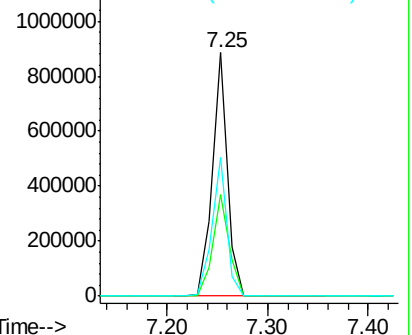
54 57.2 38.4 57.6

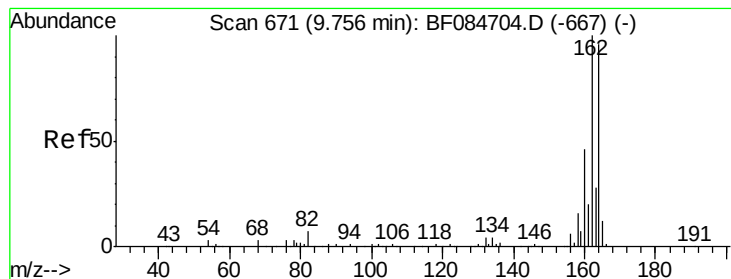


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF084823.D

Acq: 4 Feb 2016 9:16

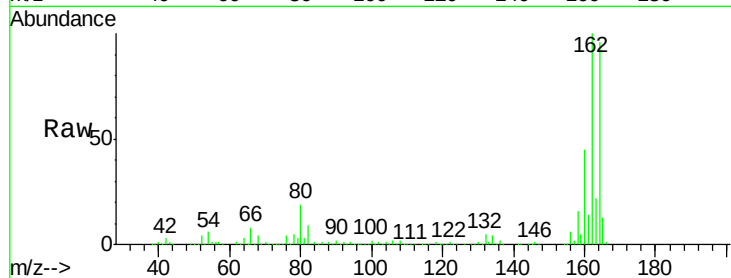
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 353077

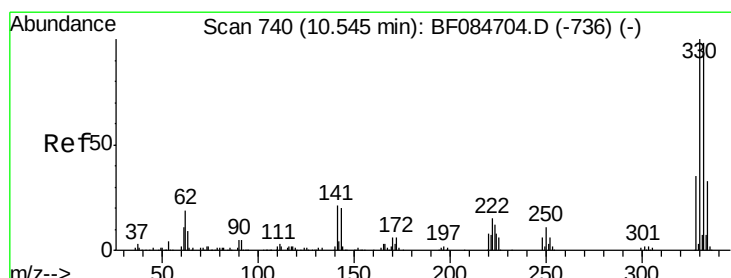
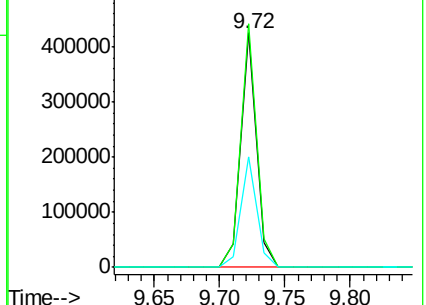
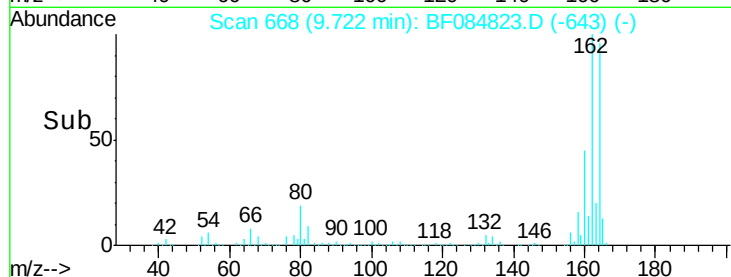
Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.1	127.7
160	47.0	37.5	56.3



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: 73.10 ng

RT: 10.51 min Scan# 737

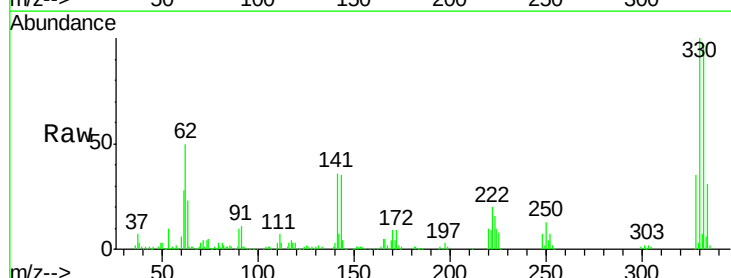
Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Tgt Ion:330 Resp: 269203

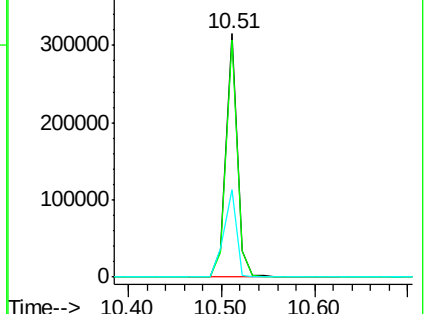
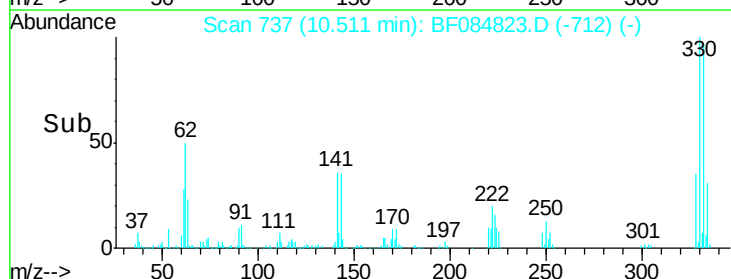
Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	40.2	27.8	41.6

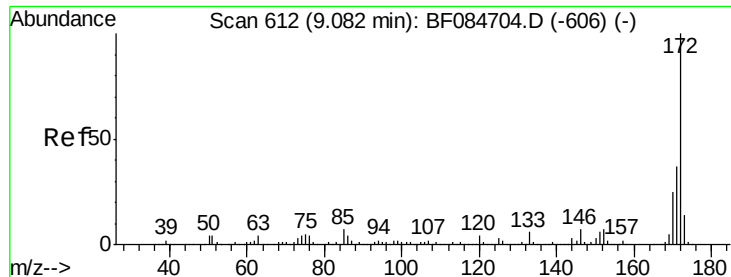


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

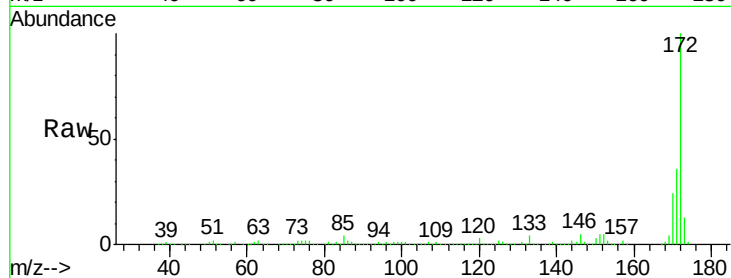




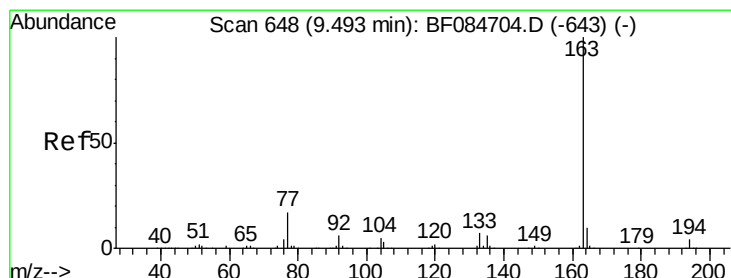
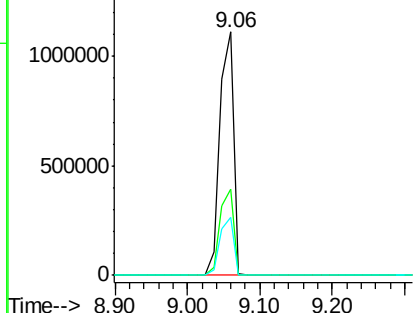
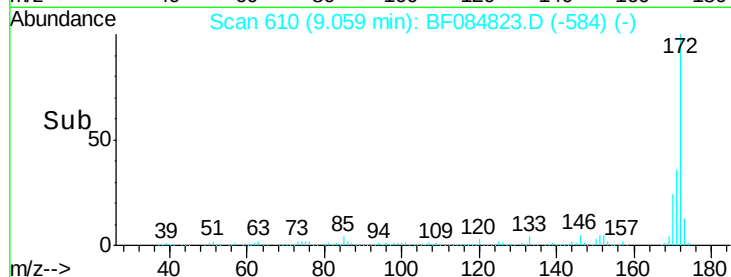
#44
2-Fluorobiphenyl
Concen: 64.28 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1460708
Ion Ratio Lower Upper
172 100
171 35.6 28.9 43.3
170 23.6 18.6 27.8

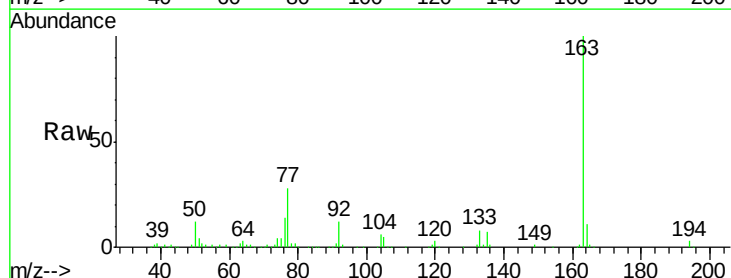


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

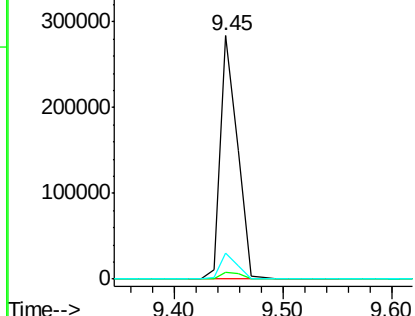
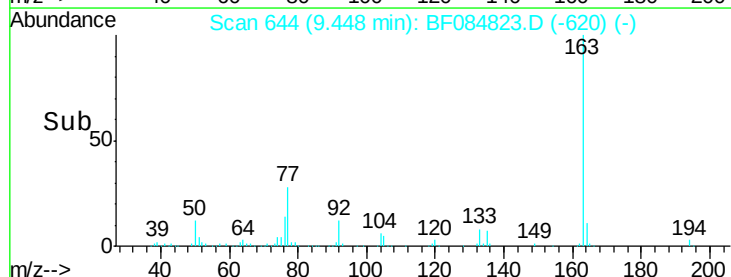


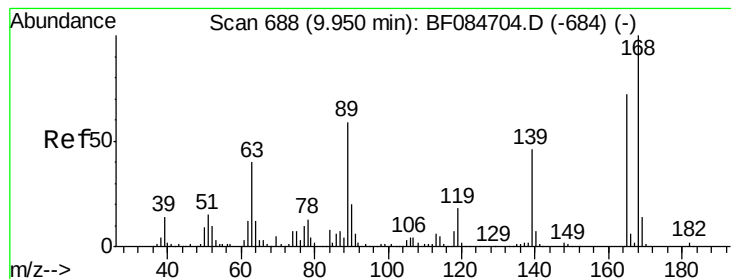
#49
Dimethylphthalate
Concen: 11.49 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion:163 Resp: 309021
Ion Ratio Lower Upper
163 100
194 2.8 8.0 12.0#
164 10.6 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: 6.35 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.21 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 47550

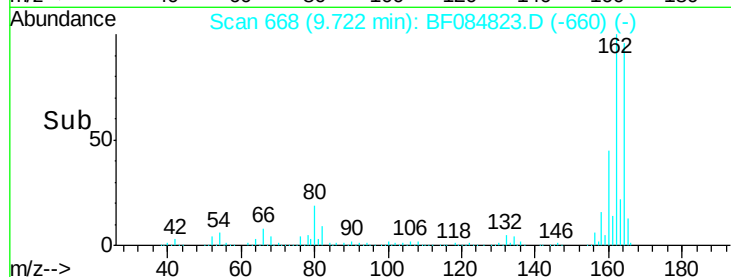
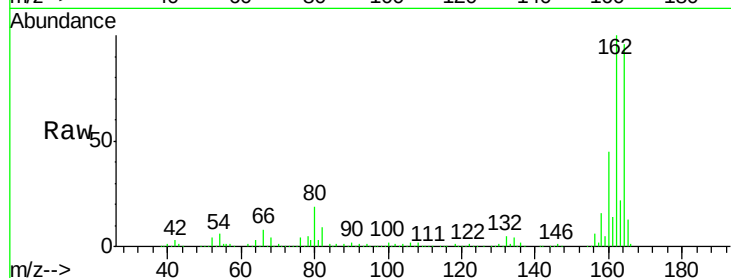
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#

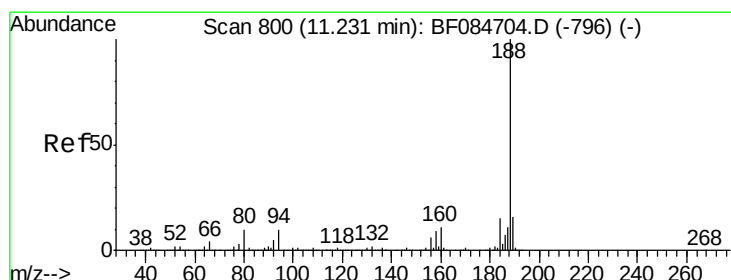
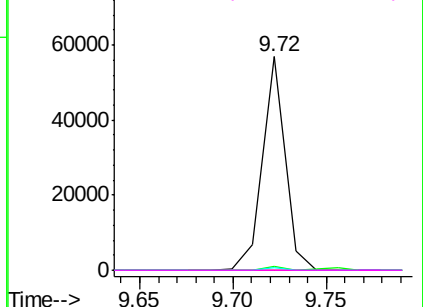


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

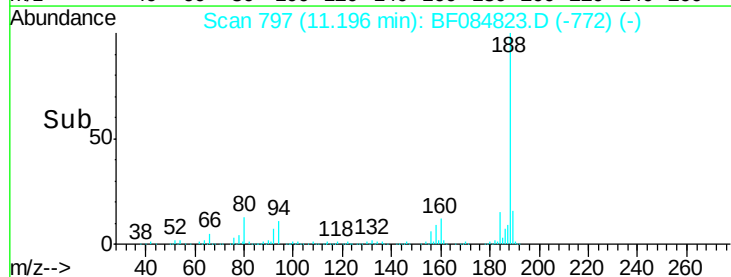
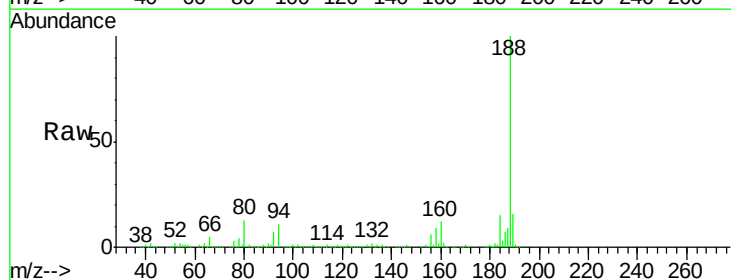
Tgt Ion:188 Resp: 580278

Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.4

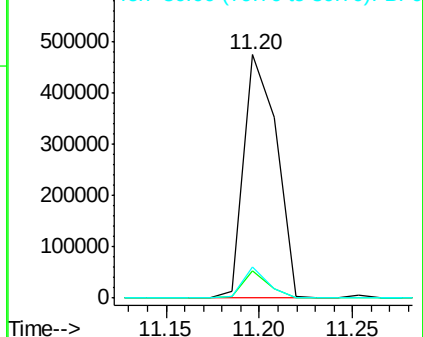
80 13.0 9.6 14.4

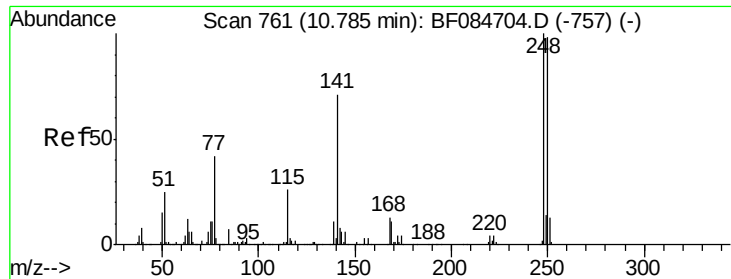


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

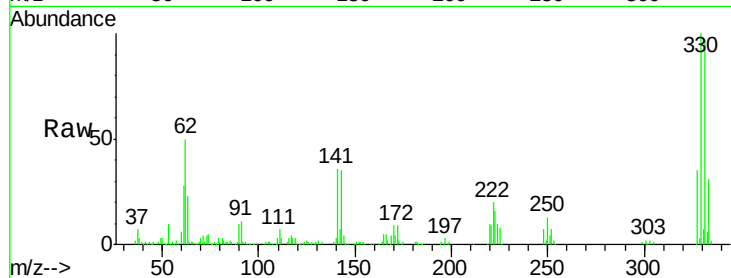




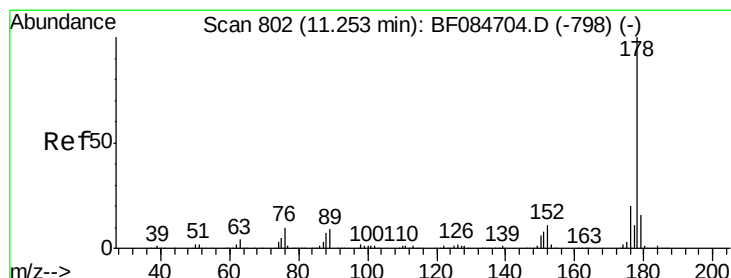
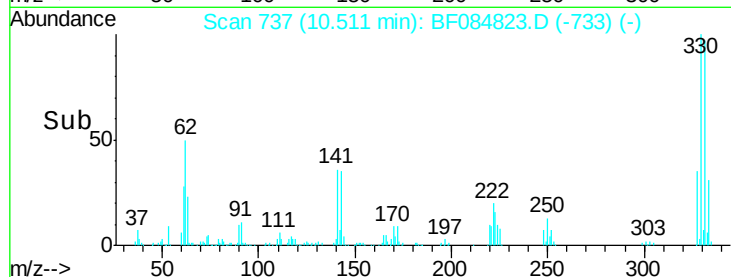
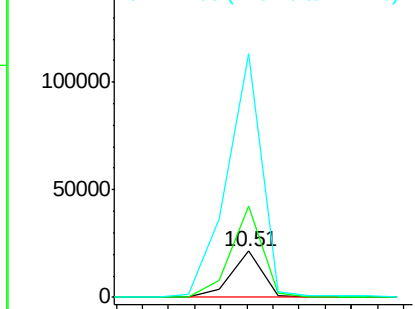
#66
4-Bromophenyl-phenylether
Concen: 2.76 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.25 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17713
Ion Ratio Lower Upper
248 100
250 197.7 78.4 117.6#
141 530.3 44.0 66.0#

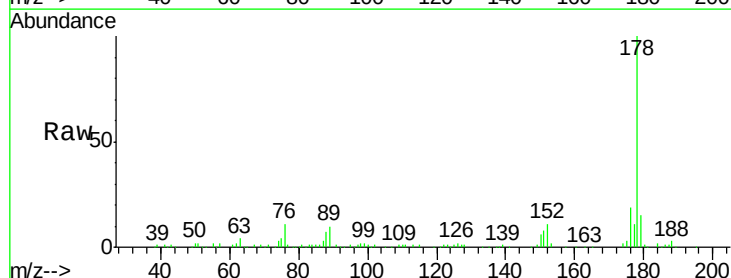


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

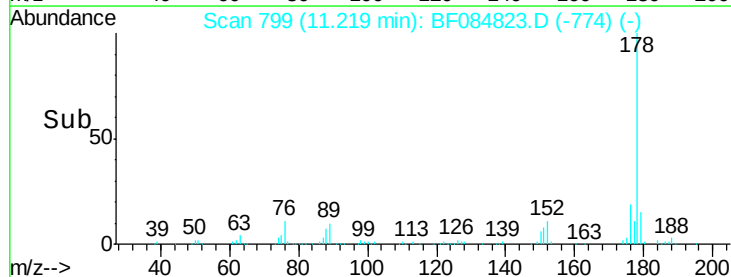
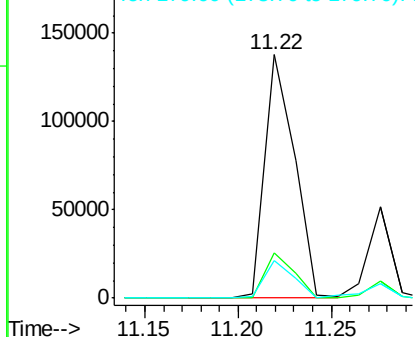


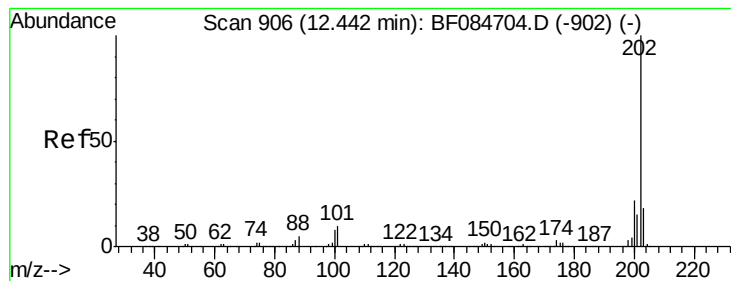
#70
Phenanthrene
Concen: 4.70 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion:178 Resp: 151376
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.3 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

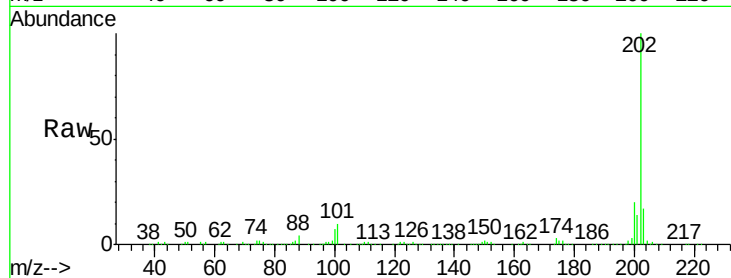




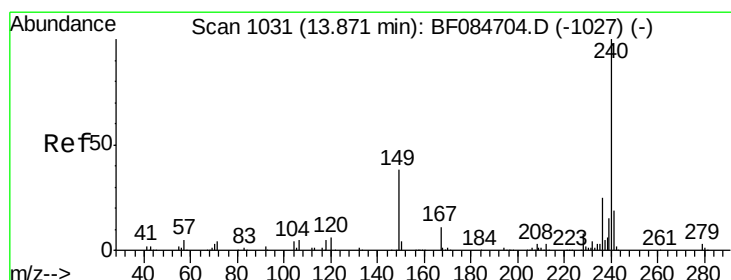
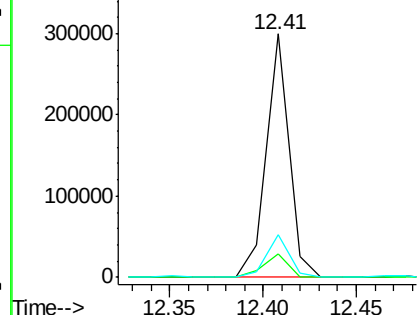
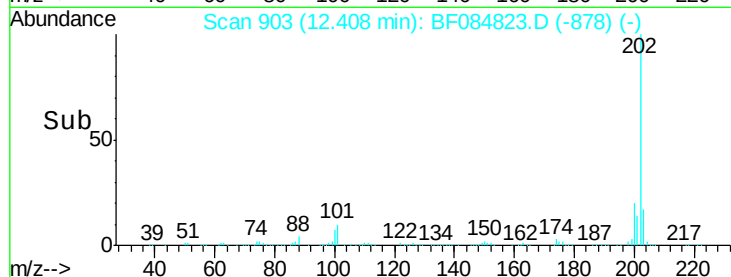
#74
 Fluoranthene
 Concen: 7.75 ng
 RT: 12.41 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.8
203	17.5	0.0	37.9

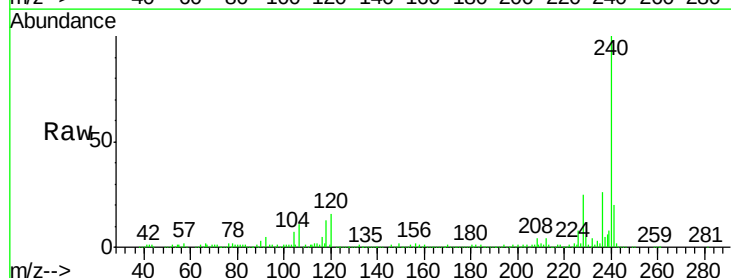


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

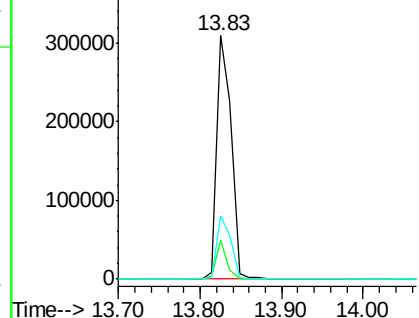
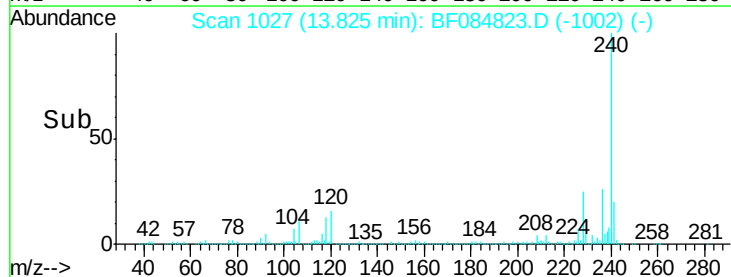


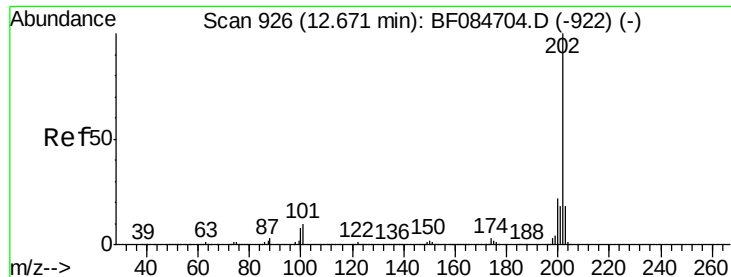
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.9	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: 8.47 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :

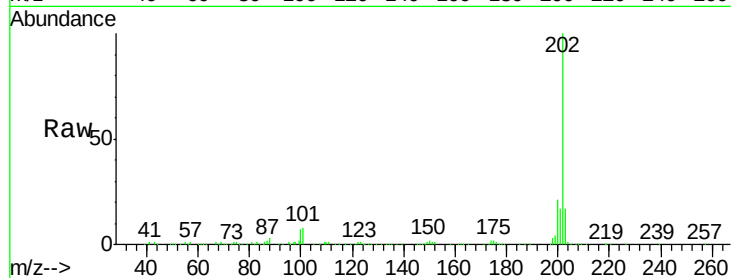
Tot Ion:202 Resp: 249246

Ion Ratio Lower Upper

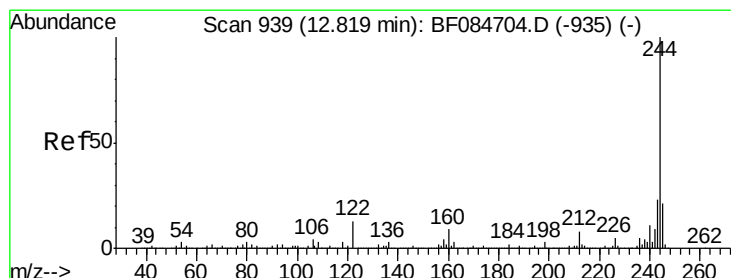
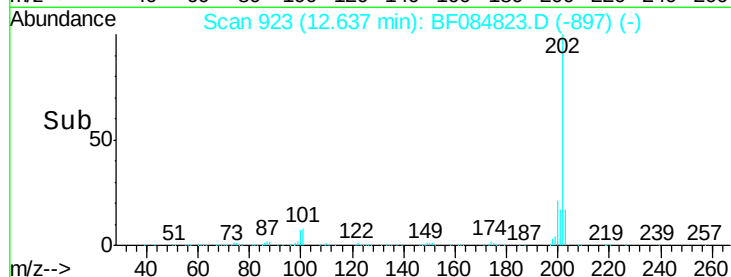
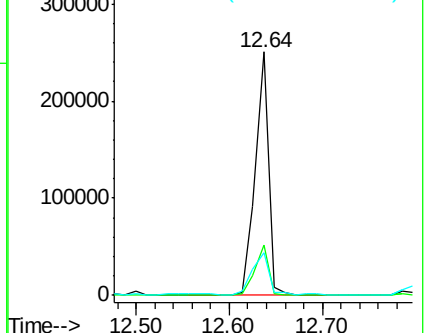
202 100

200 20.6 17.2 25.8

203 17.3 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: 62.15 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084823.D

Acq: 4 Feb 2016 9:16

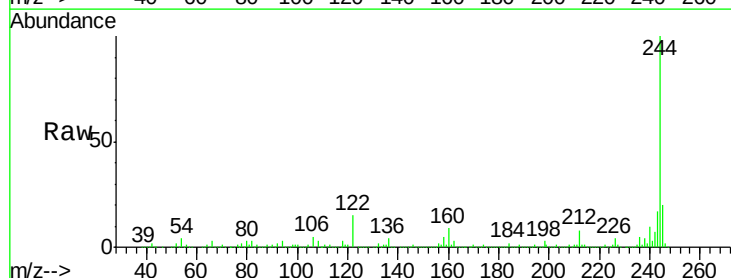
Tgt Ion:244 Resp: 1054501

Ion Ratio Lower Upper

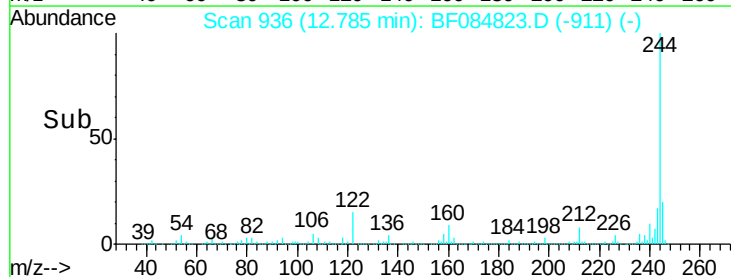
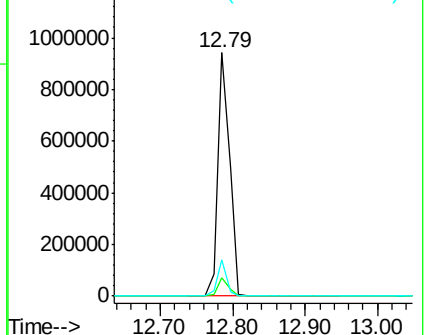
244 100

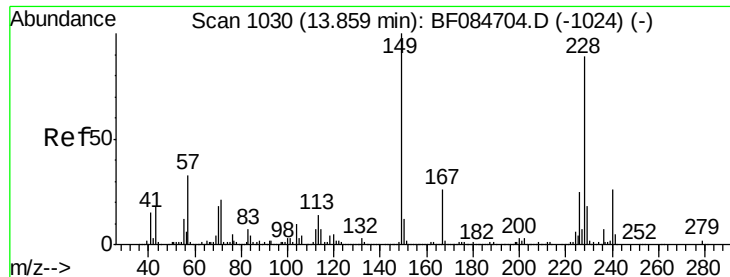
212 7.6 5.7 8.5

122 14.7 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

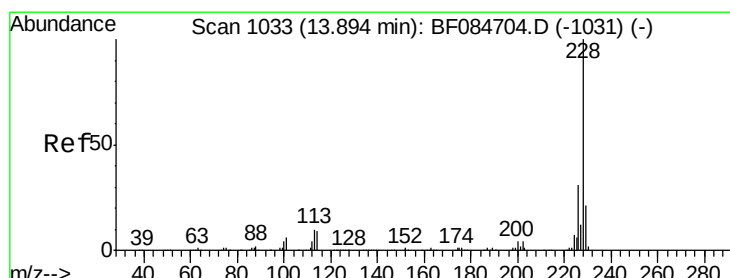
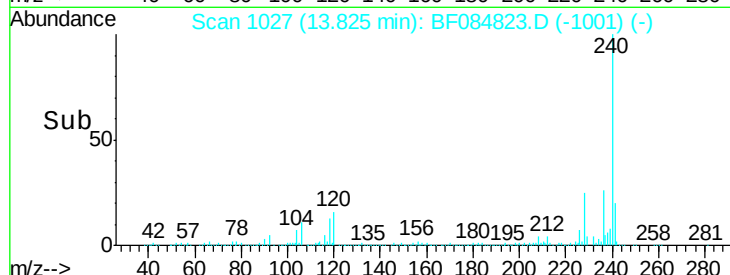
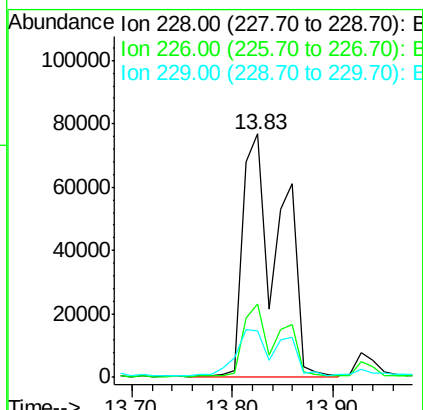
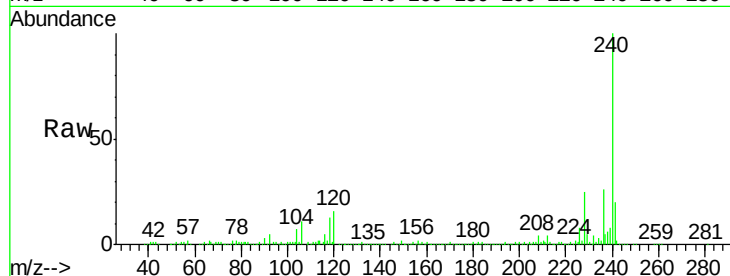




#80
Benzo(a)anthracene
Concen: 8.35 ng
RT: 13.83 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

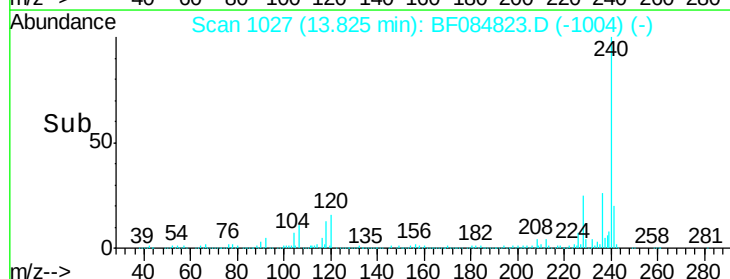
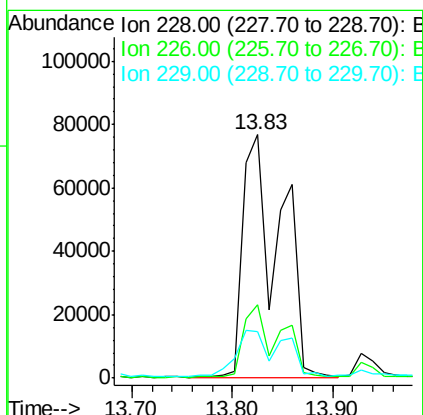
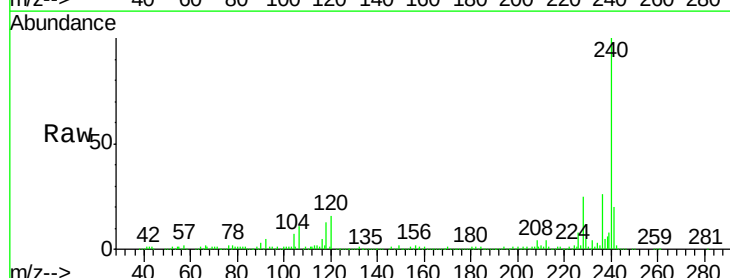
Instrument :
BNA_F
ClientSampleId :

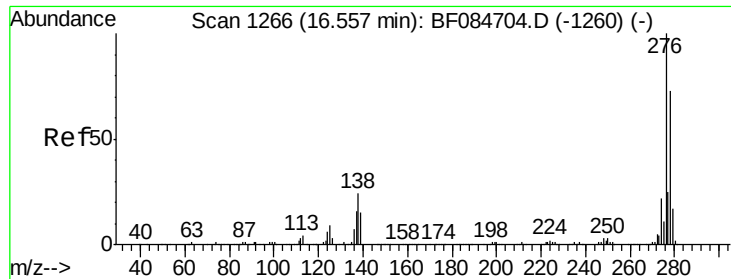
Tot Ion:228 Resp: 199379
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.6
229 18.9 15.8 23.8



#82
Chrysene
Concen: 8.62 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion:228 Resp: 199379
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 18.9 16.1 24.1

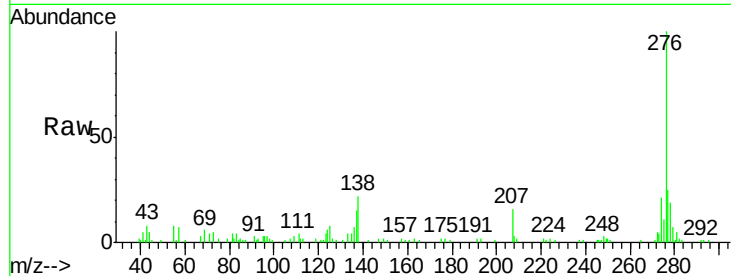




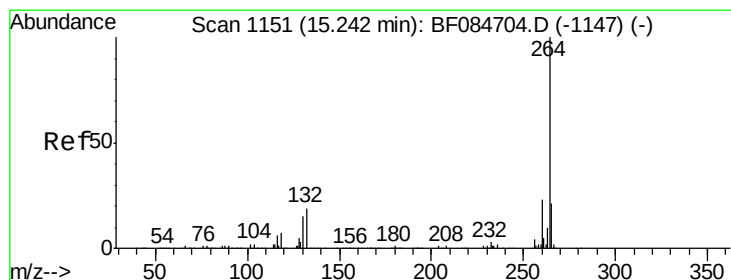
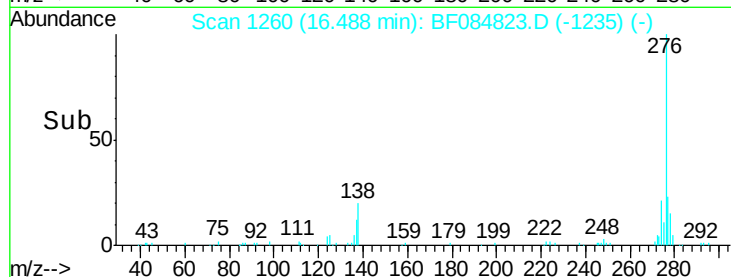
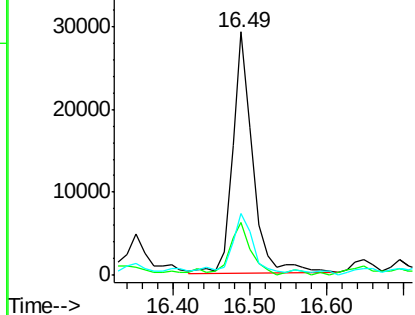
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.93 ng
 RT: 16.49 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.6	30.8
277	25.5	20.1	30.1

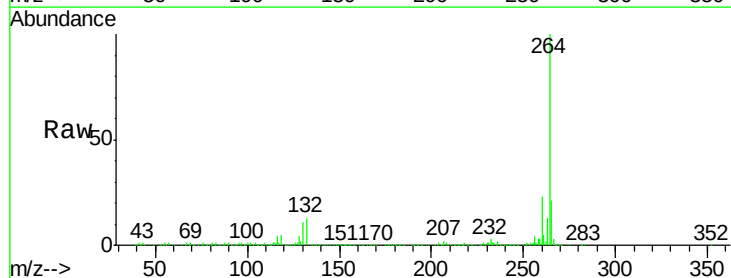


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

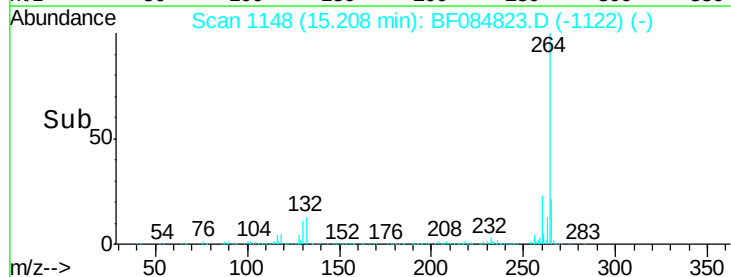
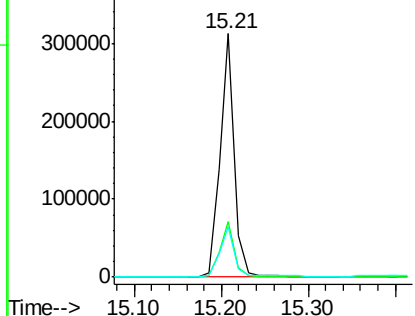


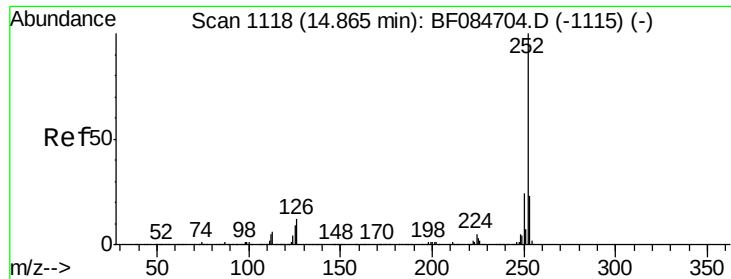
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: BF084823.D
 Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.2
265	20.8	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

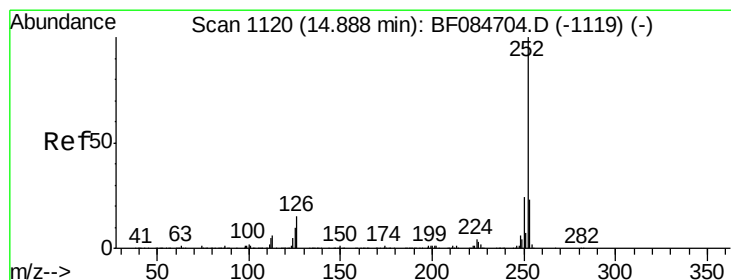
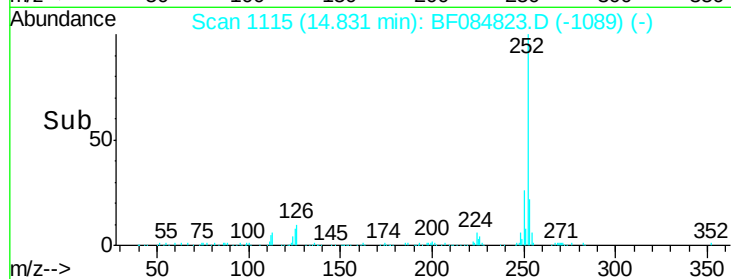
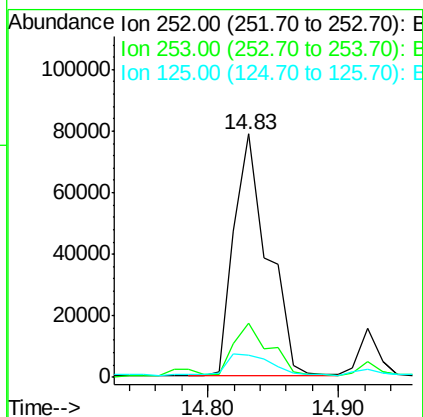
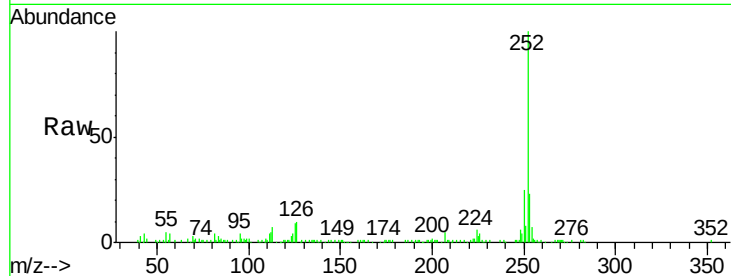




#87
Benzo(b)fluoranthene
Concen: 5.84 ng
RT: 14.83 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

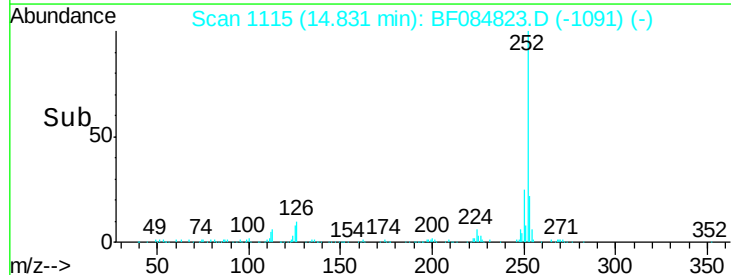
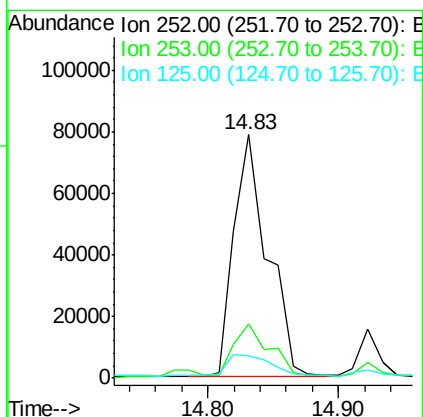
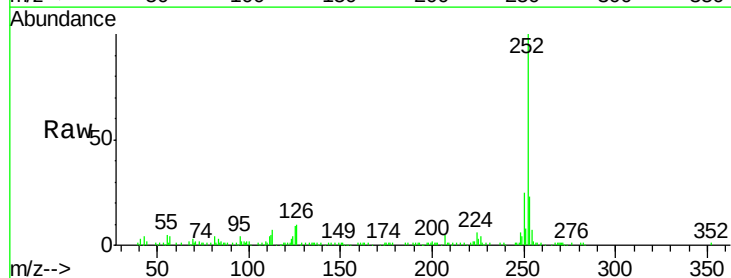
Instrument :
BNA_F
ClientSampled :

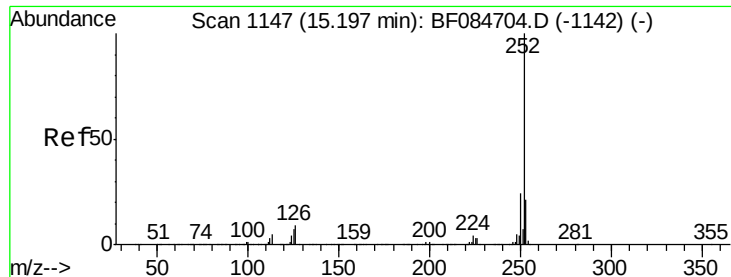
Tot Ion:252 Resp: 141960
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 8.9 6.5 9.7



#88
Benzo(k)fluoranthene
Concen: 7.07 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion:252 Resp: 141915
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 8.9 9.0 13.6#

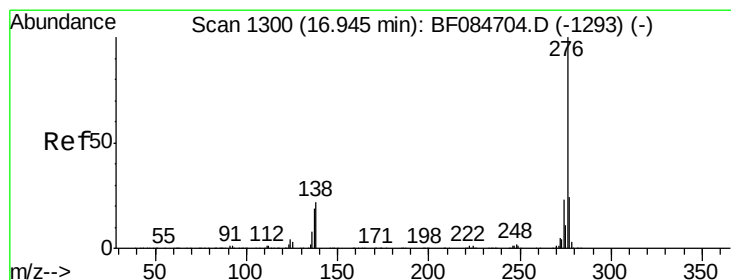
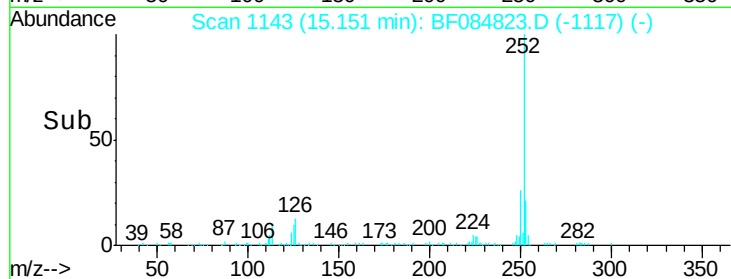
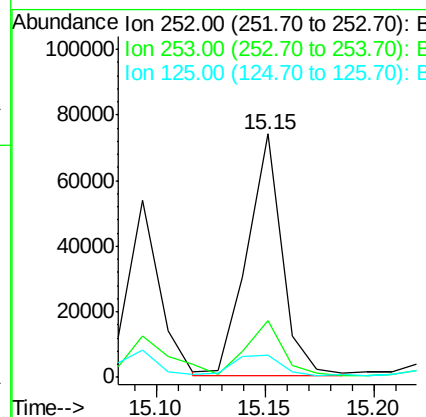
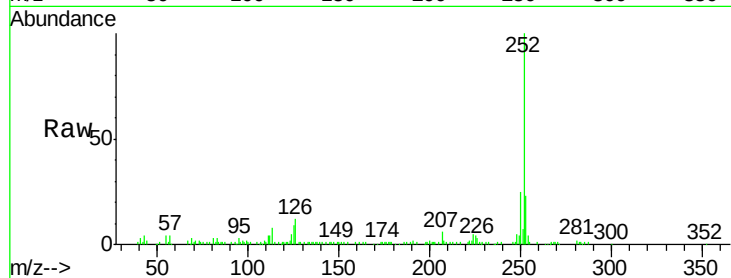




#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 15.15 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	9.4	7.0	10.4



#91
Benzo(g,h,i)perylene
Concen: 3.06 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF084823.D
Acq: 4 Feb 2016 9:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	21.6	17.8	26.6

