

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080315\
 Data File : BF080834.D
 Acq On : 4 Aug 2015 10:15
 Operator : TP
 Sample : G3145-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Quant Time: Aug 04 11:02:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 01:58:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	175499	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	601695	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	258374	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	392399	20.00	ng	0.00
75) Chrysene-d12	13.97	240	343884	20.00	ng	-0.01
86) Perylene-d12	15.39	264	375715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1515004	143.92	ng	0.01
7) Phenol-d6	6.46	99	1959161	138.36	ng	0.00
23) Nitrobenzene-d5	7.40	82	1381701	113.32	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	335890	135.66	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1790564	104.75	ng	0.00
78) Terphenyl-d14	12.93	244	1043255	60.46	ng	0.00

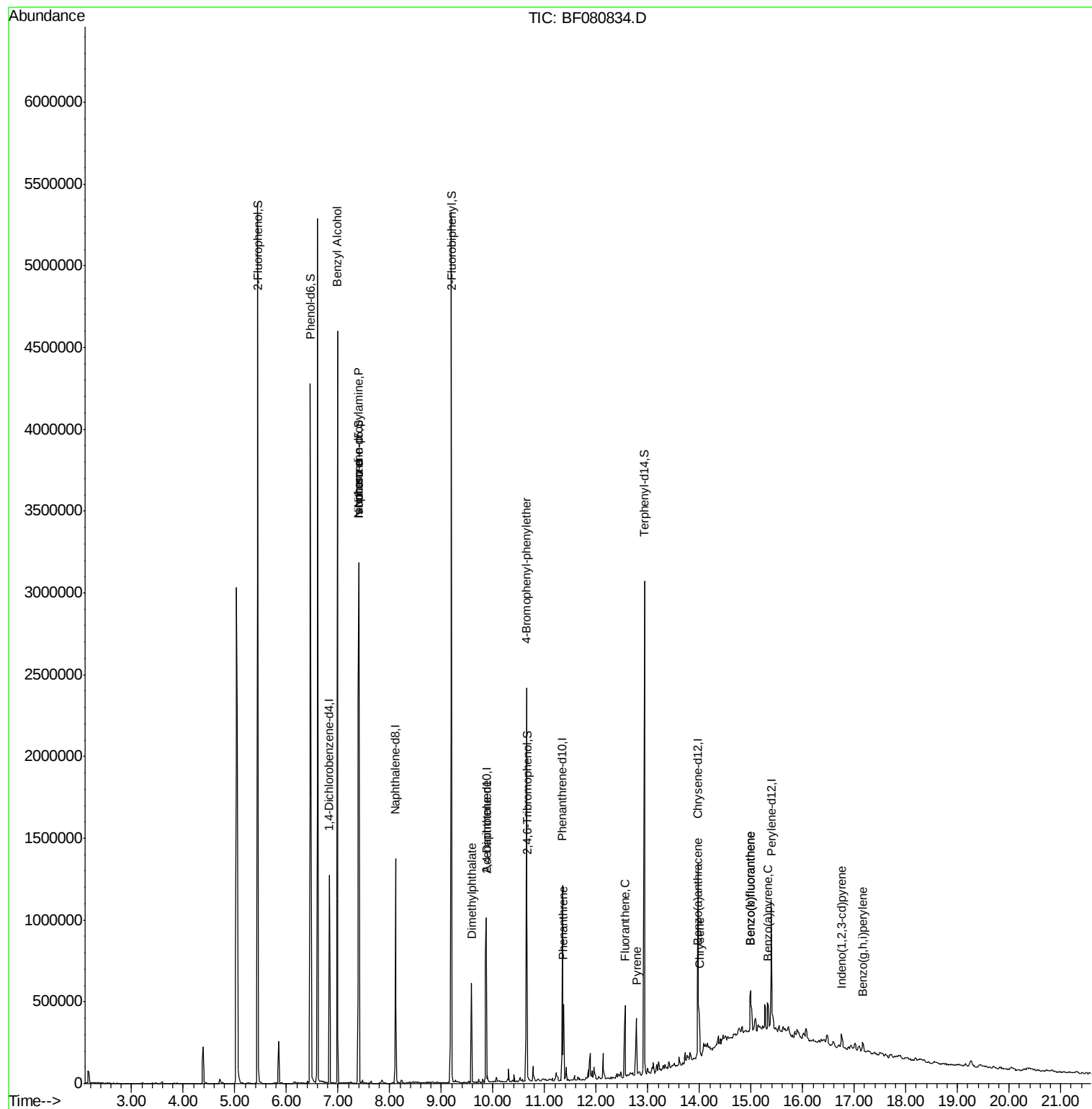
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	2372	Below Cal	#	2
15) Benzyl Alcohol	6.99	79	21840	2.27 ng	#	54
19) n-Nitroso-di-n-propylamine	7.40	70	187237	20.44 ng	#	68
25) Isophorone	7.40	82	1258529	57.72 ng	#	66
49) Dimethylphthalate	9.58	163	208703	12.09 ng		98
56) 2,4-Dinitrotoluene	9.87	165	33027	7.03 ng	#	12
66) 4-Bromophenyl-phenylether	10.65	248	19670	4.56 ng	#	1
70) Phenanthrene	11.37	178	153706	7.53 ng		98
74) Fluoranthene	12.56	202	231851	11.86 ng		92
77) Pyrene	12.78	202	195405	7.67 ng		96
80) Benzo(a)anthracene	13.96	228	142780	7.27 ng		97
82) Chrysene	14.00	228	100405	5.26 ng		97
85) Indeno(1,2,3-cd)pyrene	16.75	276	57646	3.29 ng		95
87) Benzo(b)fluoranthene	14.99	252	202161	9.19 ng	#	94
88) Benzo(k)fluoranthene	14.99	252	202161	10.55 ng		97
89) Benzo(a)pyrene	15.33	252	103852	5.54 ng		97
91) Benzo(a,h,i)perylene	17.16	276	54897	2.90 ng	#	88

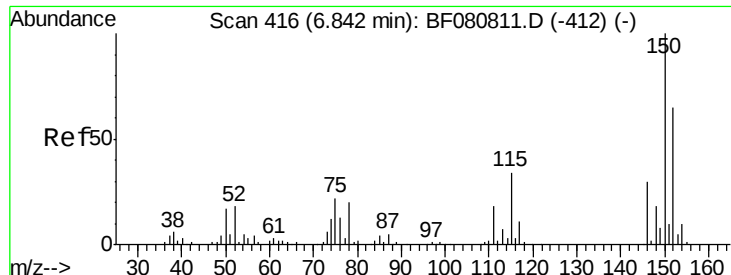
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080315\
Data File : BF080834.D
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Sample : G3145-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 04 11:02:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080315.M
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QLast Update : Tue Aug 04 01:58:34 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

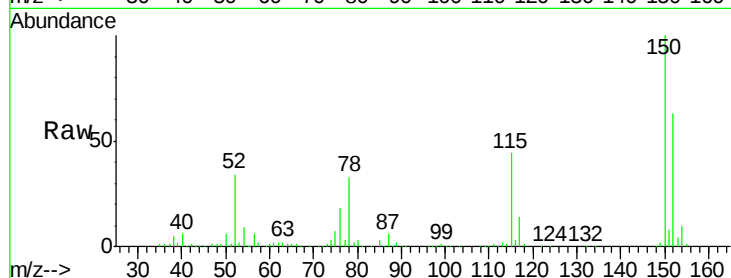
Tot Ion:152 Resp: 175499

Ion Ratio Lower Upper

152 100

150 158.9 122.9 184.3

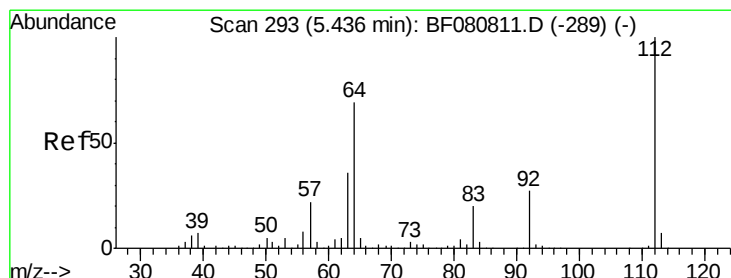
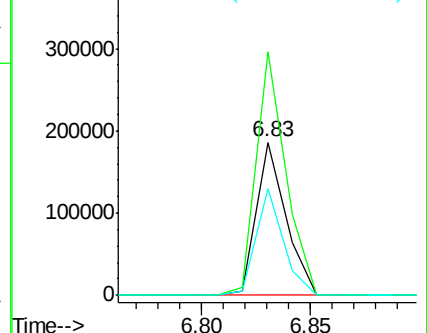
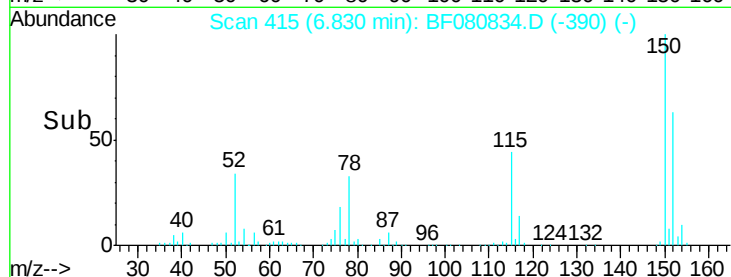
115 69.4 42.0 63.0#



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: 143.92 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

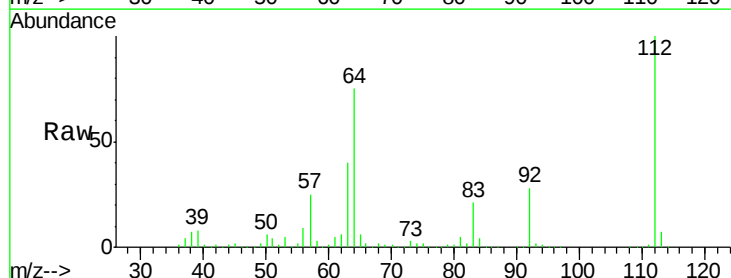
Tgt Ion:112 Resp: 1515004

Ion Ratio Lower Upper

112 100

64 75.1 55.0 82.4

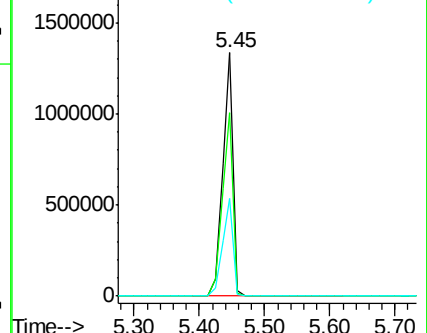
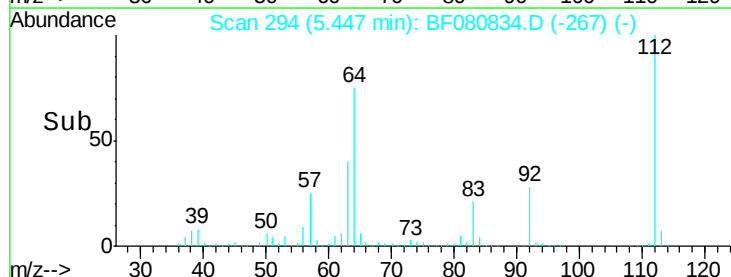
63 39.9 28.6 42.8

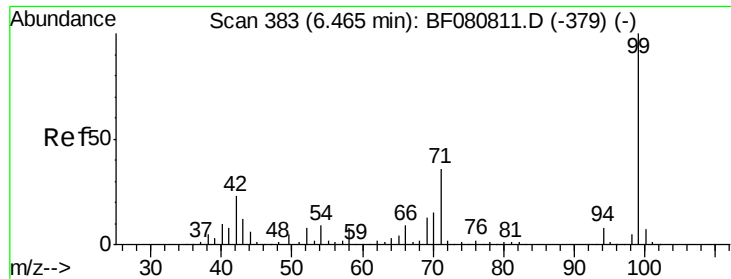


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

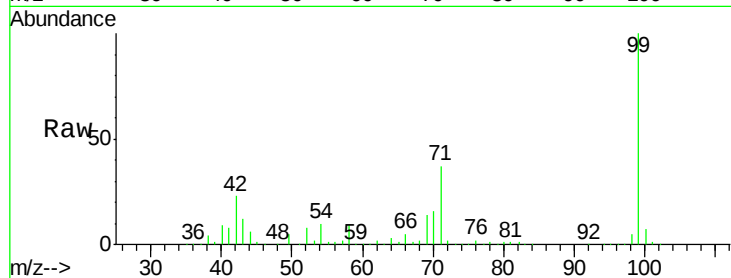
Tot Ion: 99 Resp: 1959161

Ion Ratio Lower Upper

99 100

42 22.8 18.4 27.6

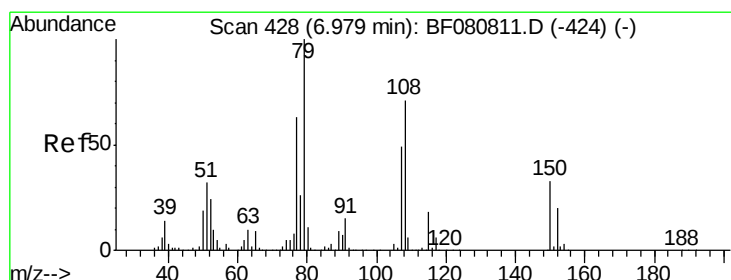
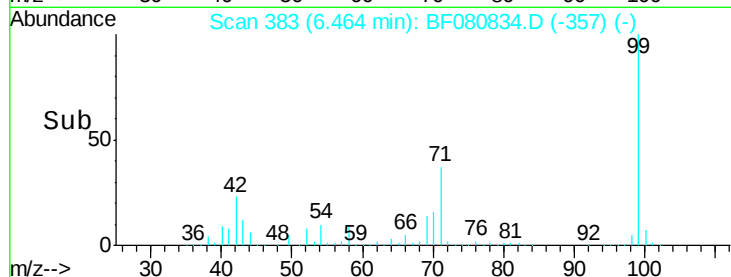
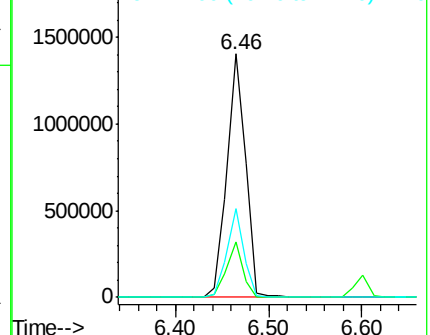
71 36.6 28.7 43.1



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



#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

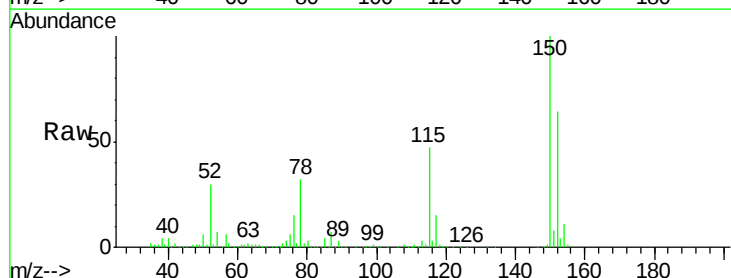
Tgt Ion: 79 Resp: 21840

Ion Ratio Lower Upper

79 100

108 26.7 56.9 85.3#

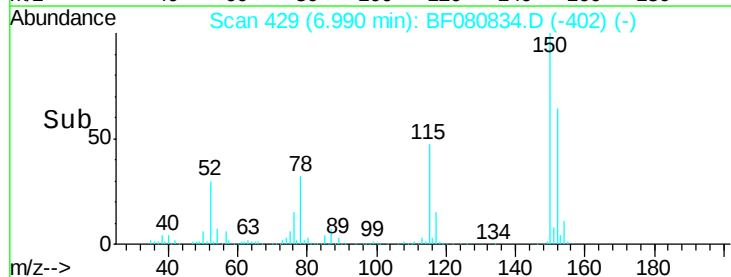
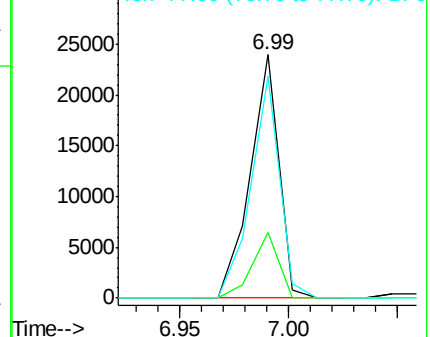
77 91.3 50.4 75.6#

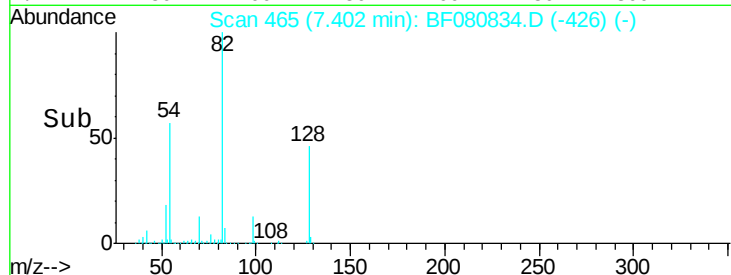
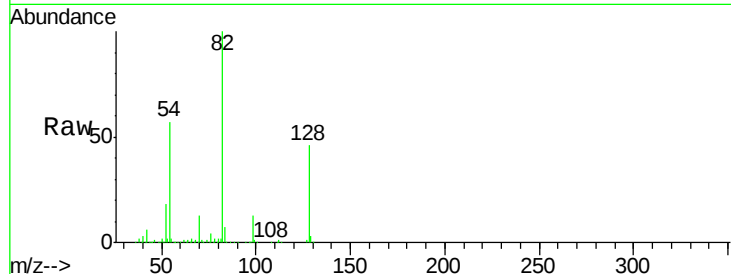
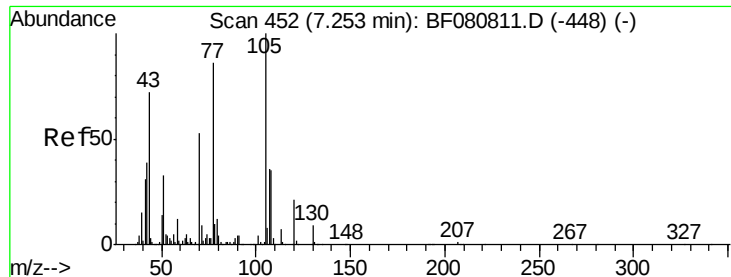


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

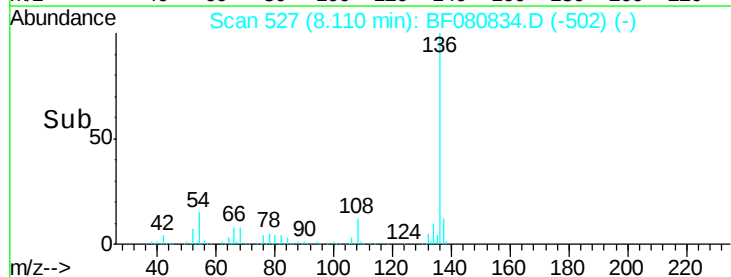
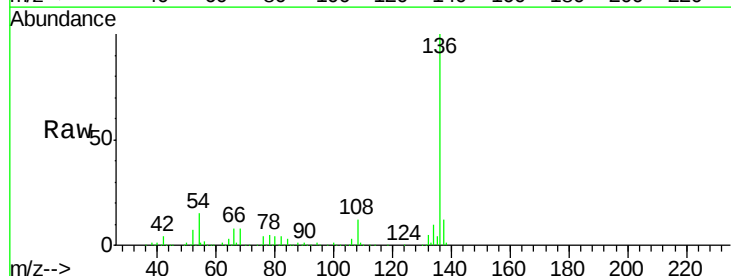
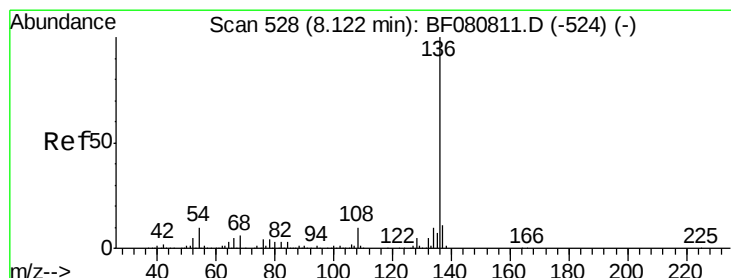
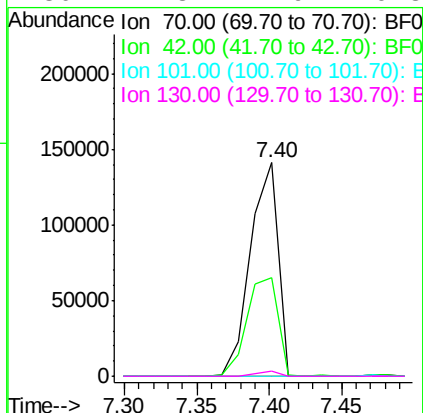




#19
n-Nitroso-di-n-propylamine
Concen: 20.44 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

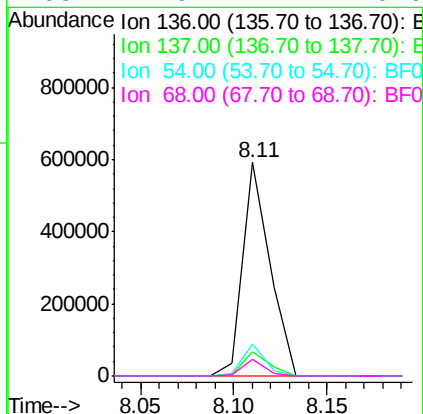
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-A

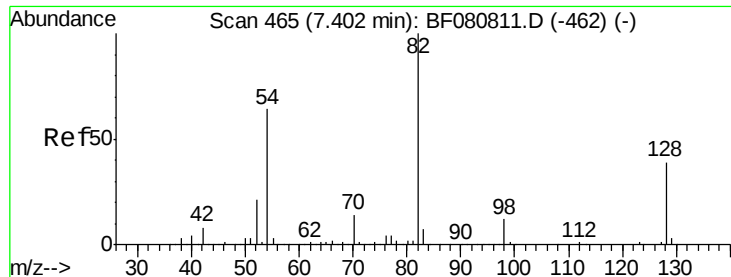
Tot Ion:	70	Resp:	187237
Ion	Ratio	Lower	Upper
70	100		
42	46.3	59.1	88.7#
101	0.0	6.6	10.0#
130	2.3	12.9	19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Tgt Ion:	136	Resp:	601695
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	15.2	7.9	11.9#
68	7.9	4.4	6.6#

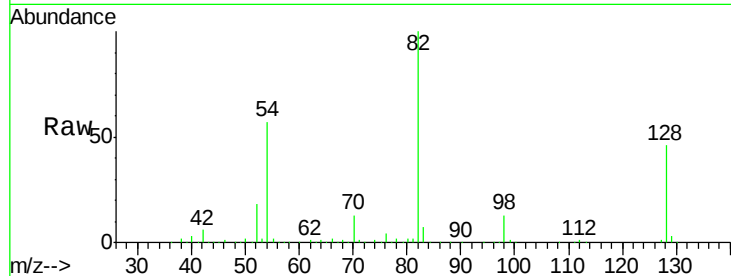




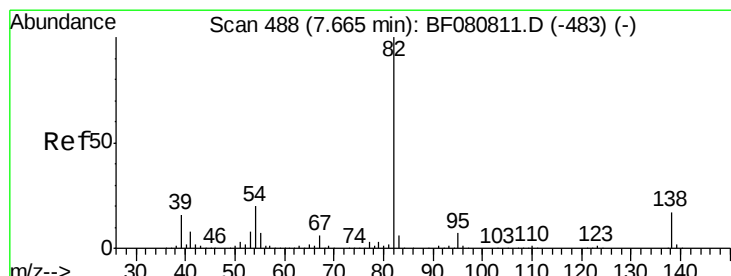
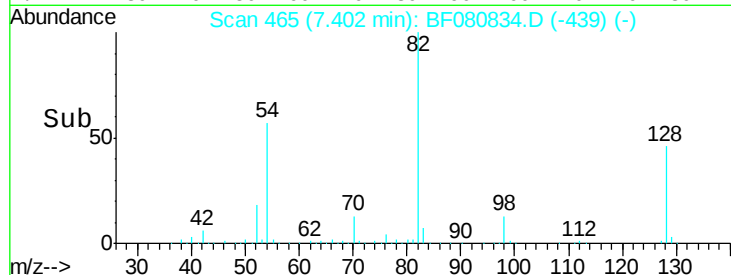
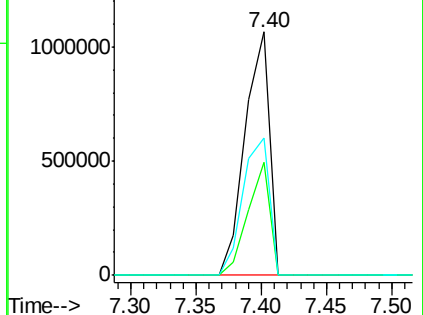
#23
Nitrobenzene-d5
Concen: 113.32 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-A

Tot Ion: 82 Resp: 1381701
Ion Ratio Lower Upper
82 100
128 46.4 31.4 47.0
54 56.6 51.0 76.4

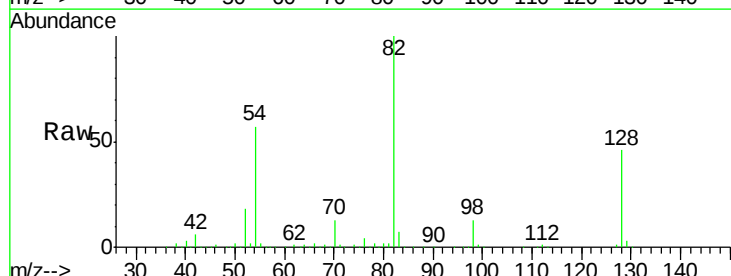


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

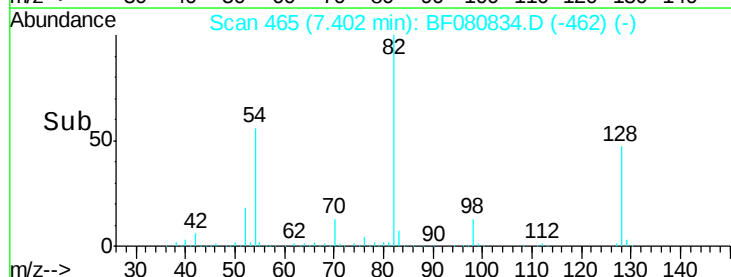
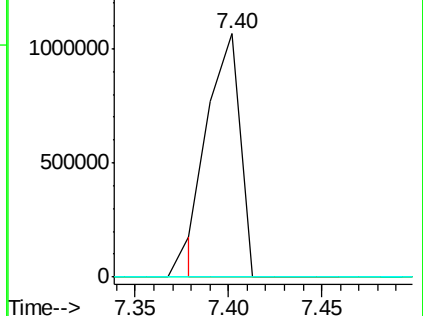


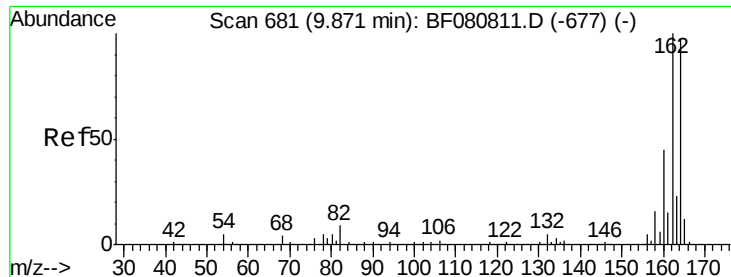
#25
Isophorone
Concen: 57.72 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.26 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Tgt Ion: 82 Resp: 1258529
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



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

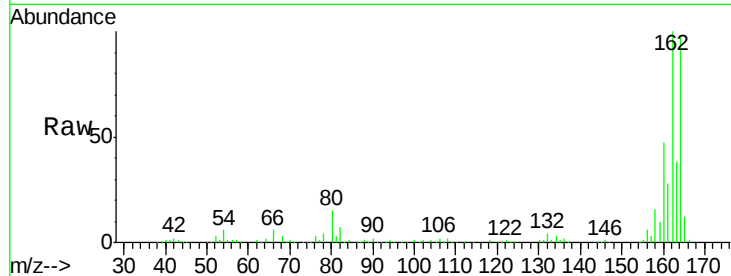




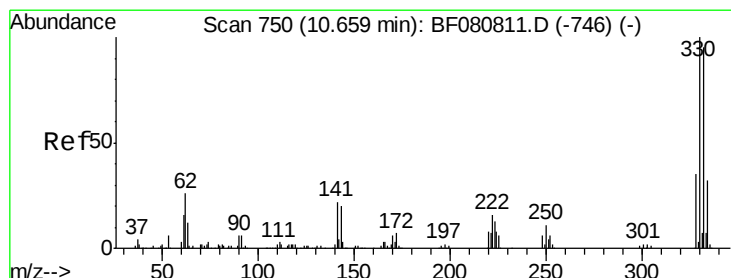
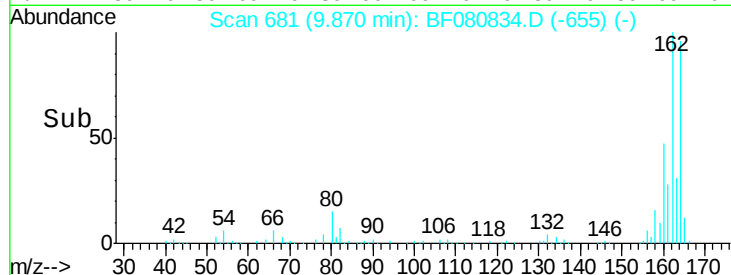
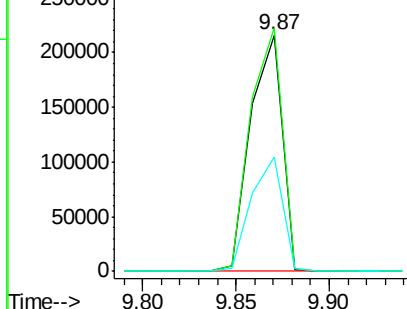
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Tot Ion:164 Resp: 258374
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.3 123.5
 160 48.5 37.3 55.9

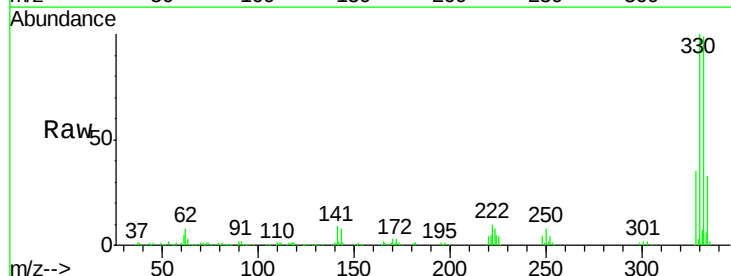


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

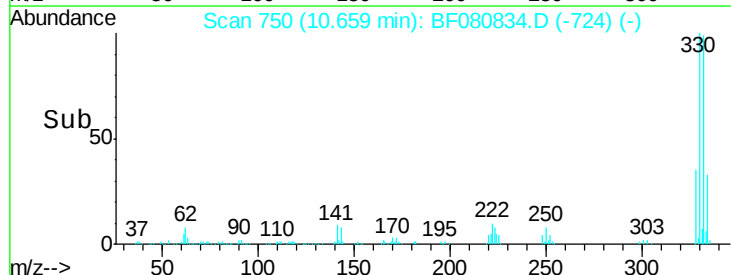
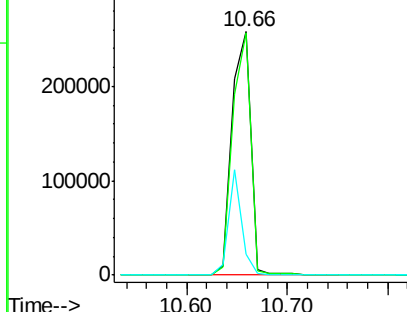


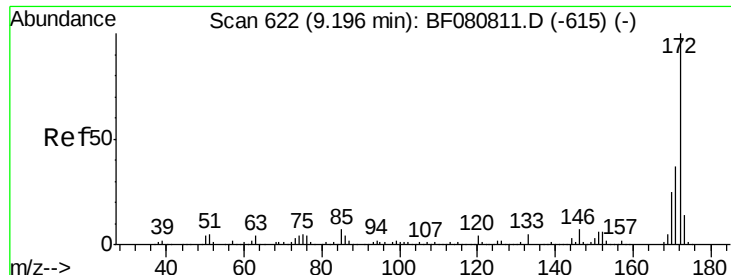
#41
 2,4,6-Tribromophenol
 Concen: 135.66 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Tgt Ion:330 Resp: 335890
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.2 114.4
 141 30.8 25.4 38.0



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

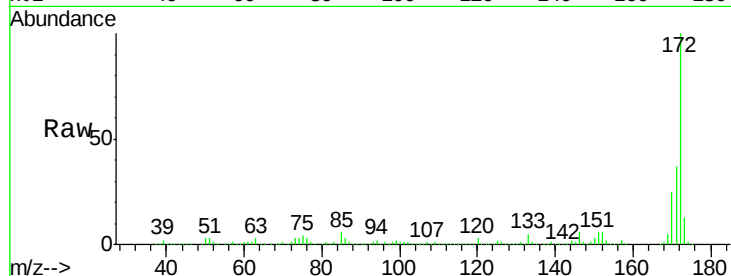




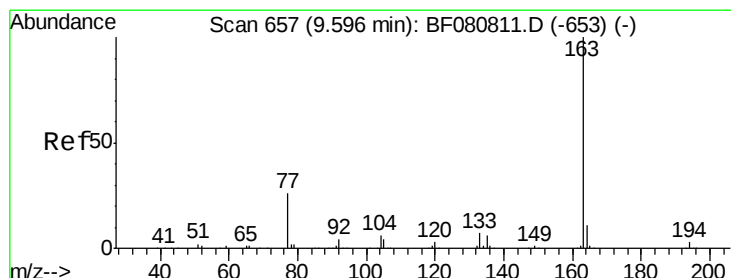
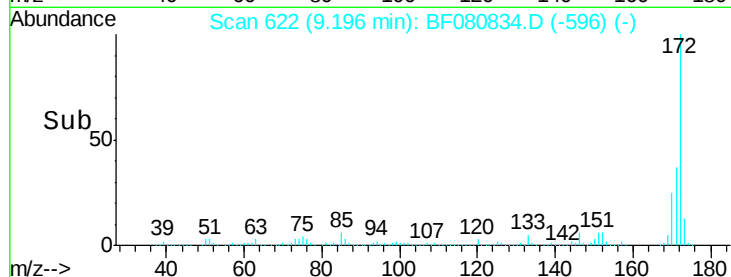
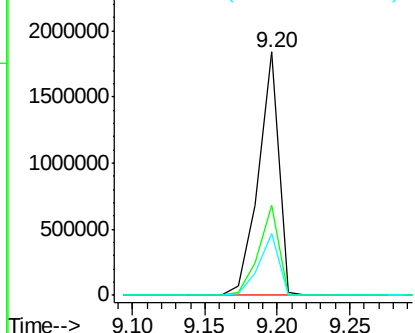
#44
2-Fluorobiphenyl
Concen: 104.75 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-A

Tot Ion:172 Resp: 1790564
Ion Ratio Lower Upper
172 100
171 36.8 30.0 45.0
170 25.2 20.2 30.4

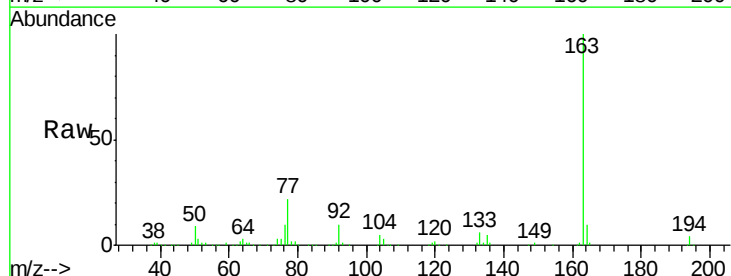


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

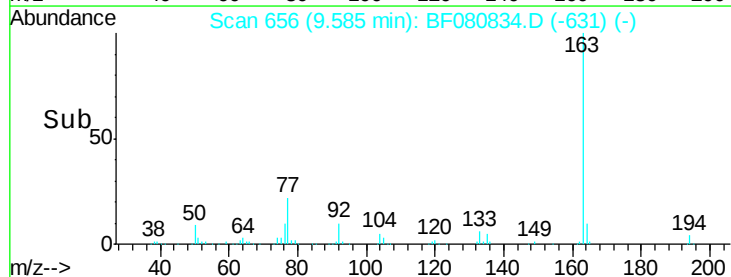
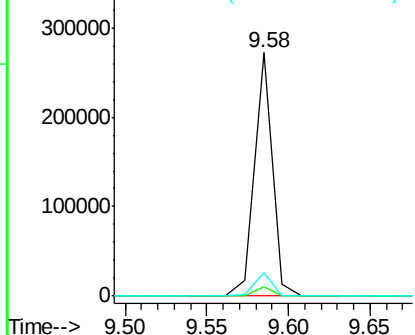


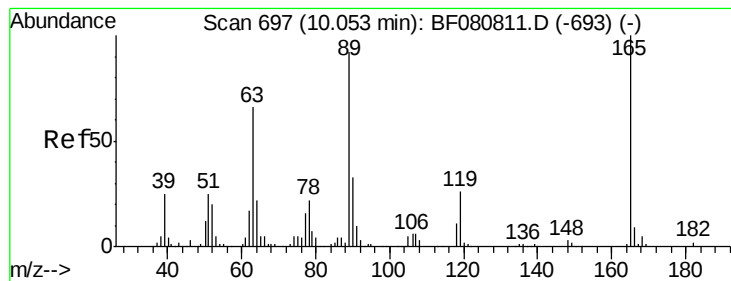
#49
Dimethylphthalate
Concen: 12.09 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Tgt Ion:163 Resp: 208703
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.8 8.5 12.7



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

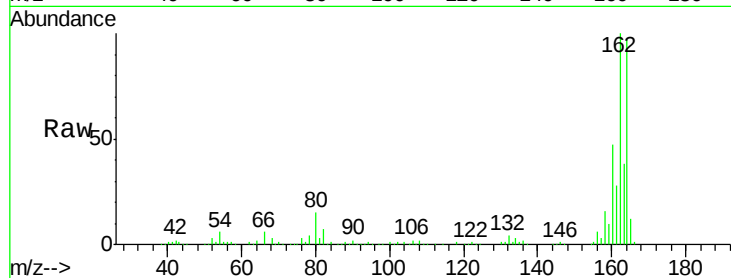




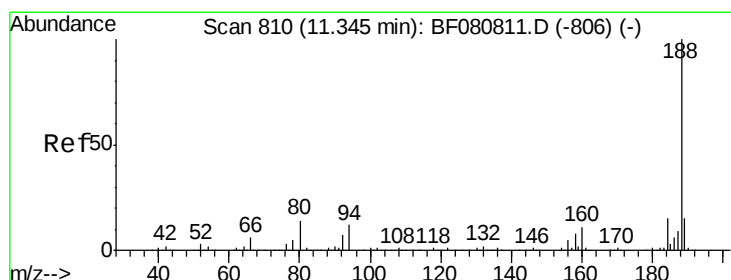
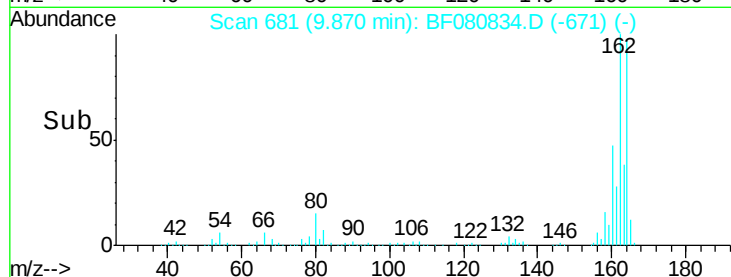
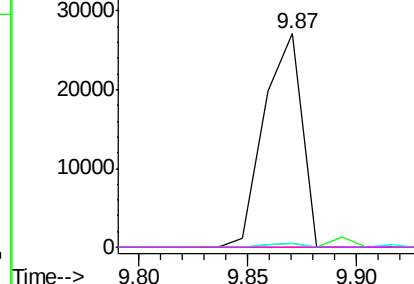
#56
 2,4-Dinitrotoluene
 Concen: 7.03 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.18 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Tot Ion:165 Resp: 33027
 Ion Ratio Lower Upper
 165 100
 63 1.7 53.3 79.9#
 89 1.9 73.5 110.3#
 182 0.0 1.7 2.5#

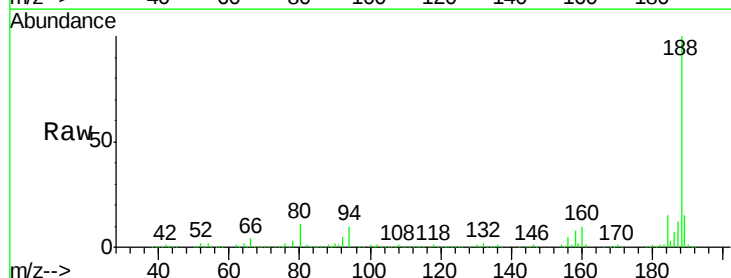


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

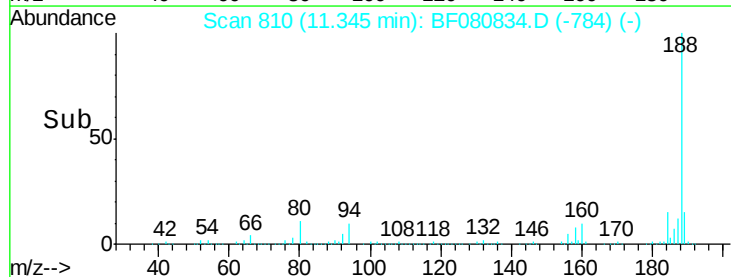
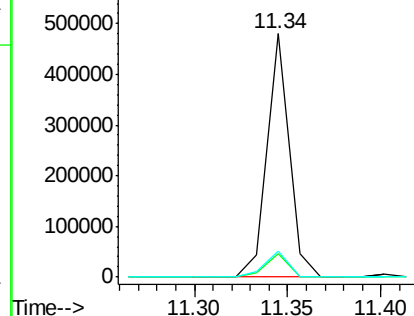


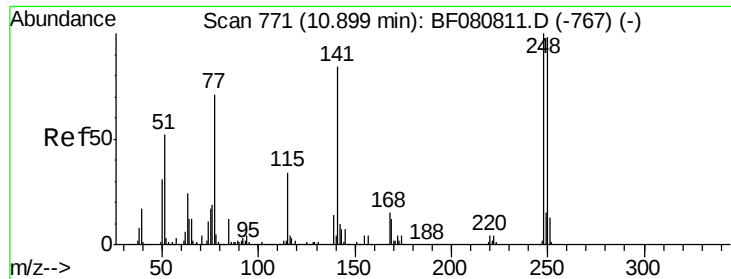
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Tgt Ion:188 Resp: 392399
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.7 14.5#
 80 10.7 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

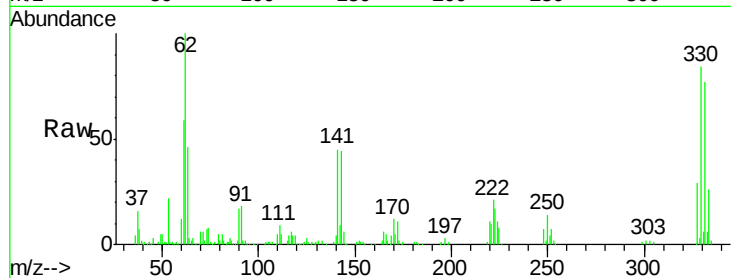




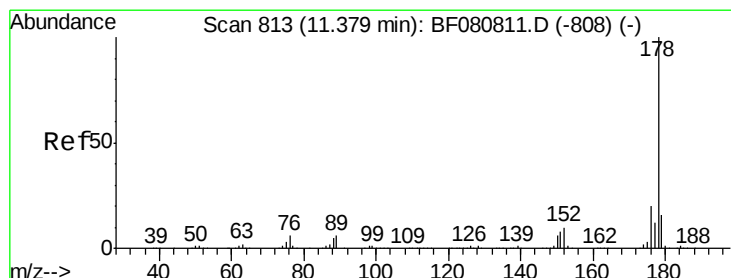
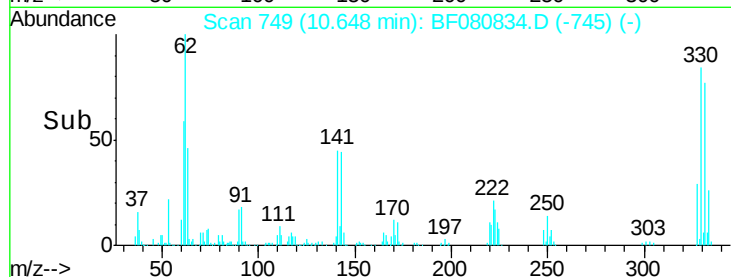
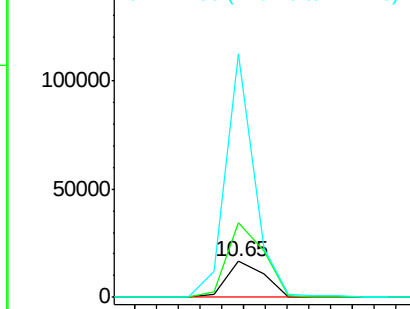
#66
 4-Bromophenyl-phenylether
 Concen: 4.56 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.25 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Tot Ion:248 Resp: 19670
 Ion Ratio Lower Upper
 248 100
 250 205.6 78.4 117.6#
 141 675.0 67.3 100.9#

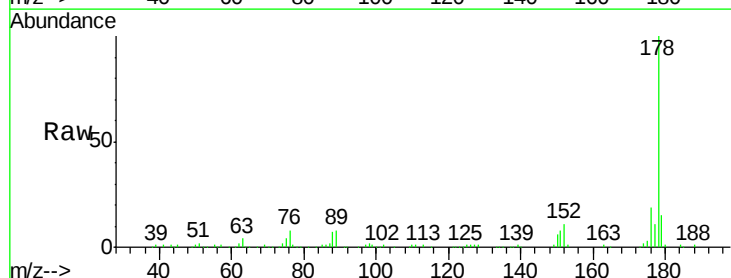


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

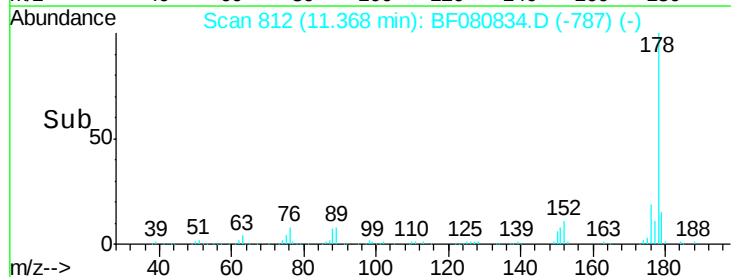
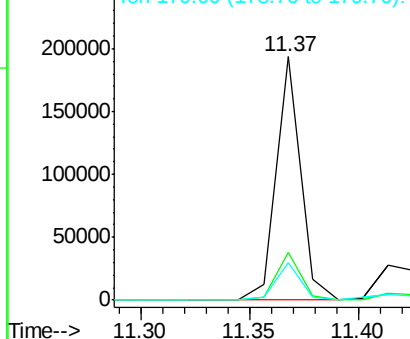


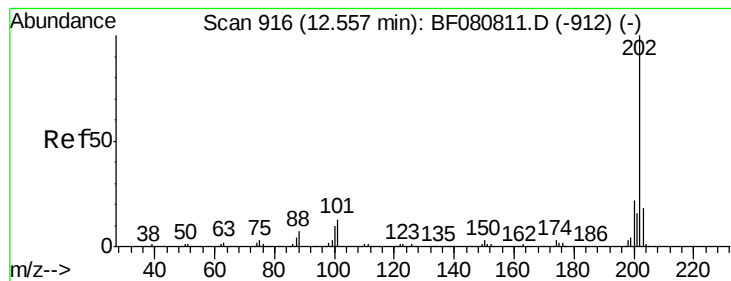
#70
 Phenanthrene
 Concen: 7.53 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Tgt Ion:178 Resp: 153706
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.3 24.5
 179 15.4 12.6 19.0



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: 11.86 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

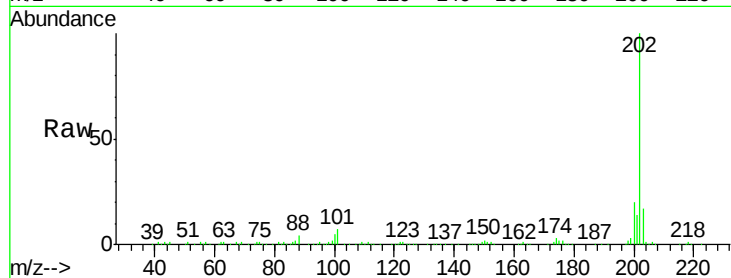
Tot Ion:202 Resp: 231851

Ion Ratio Lower Upper

202 100

101 7.0 0.0 33.0

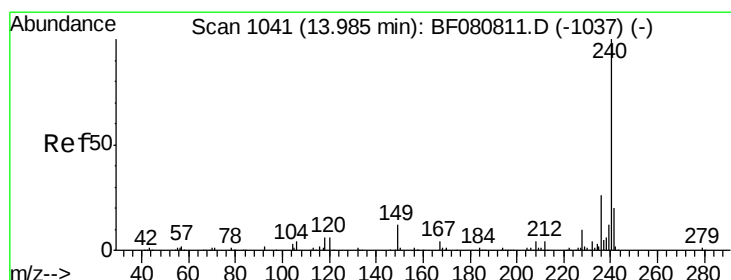
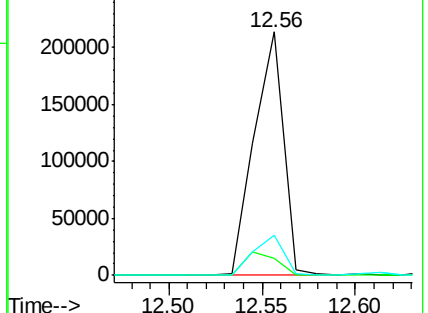
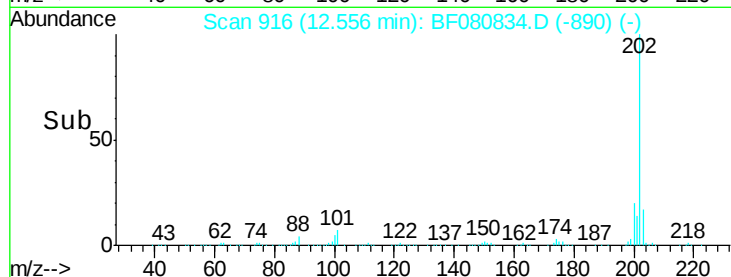
203 16.5 0.0 38.1



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: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

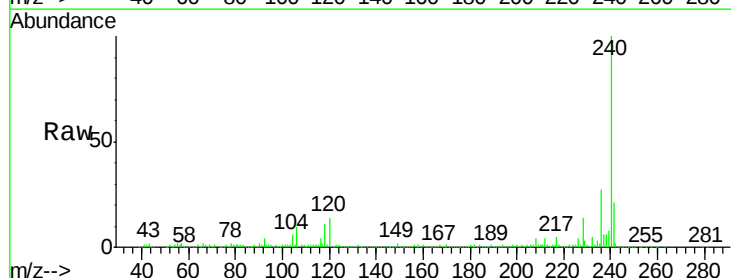
Tgt Ion:240 Resp: 343884

Ion Ratio Lower Upper

240 100

120 14.2 5.0 7.4#

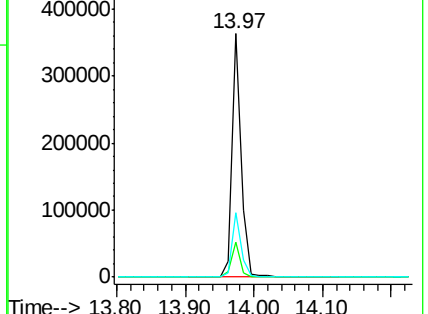
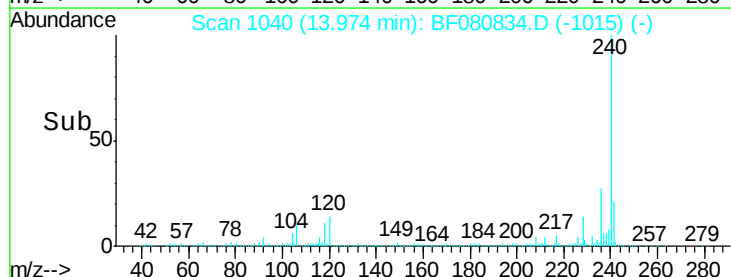
236 26.6 20.8 31.2

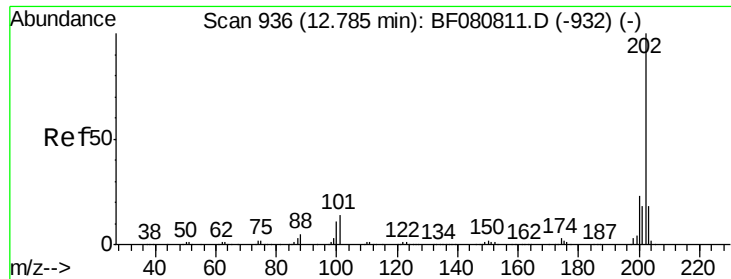


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.67 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

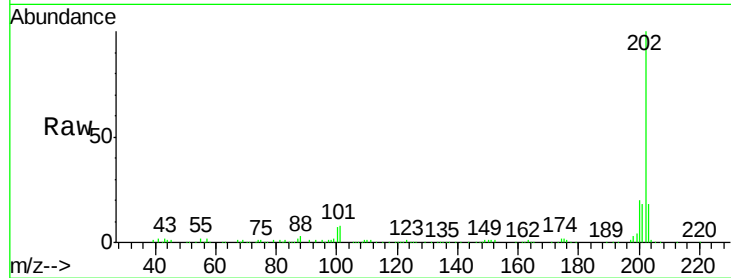
Tot Ion:202 Resp: 195405

Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.4

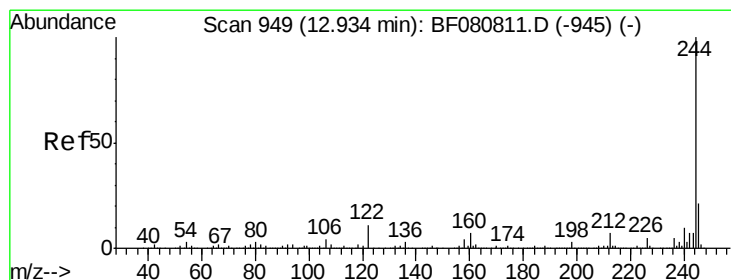
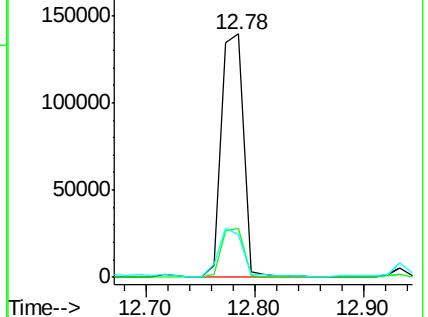
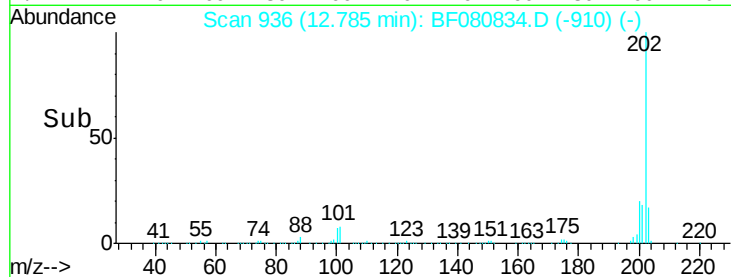
203 17.8 14.8 22.2



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: 60.46 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

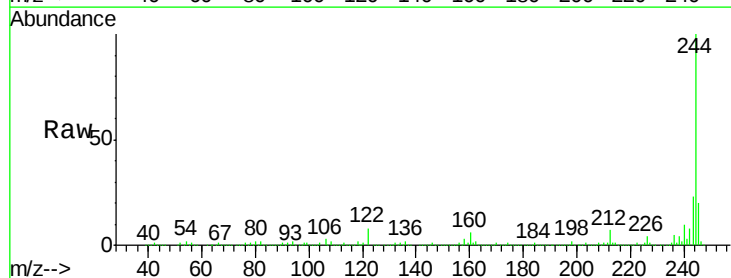
Tgt Ion:244 Resp: 1043255

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

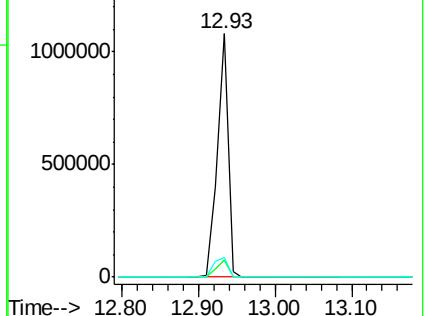
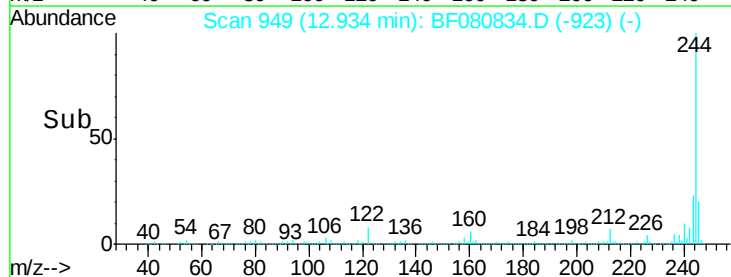
122 8.3 9.1 13.7#

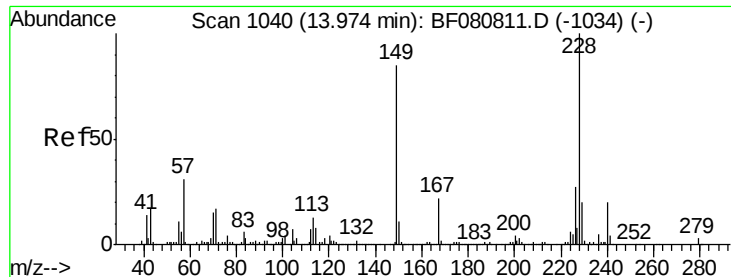


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

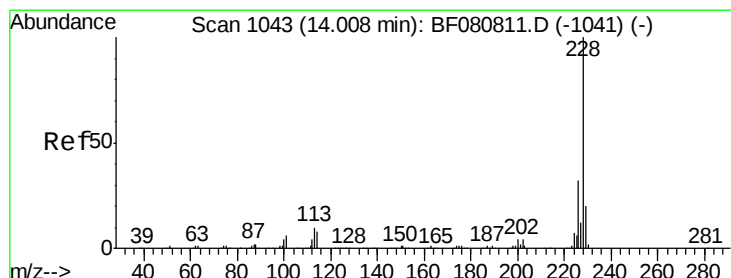
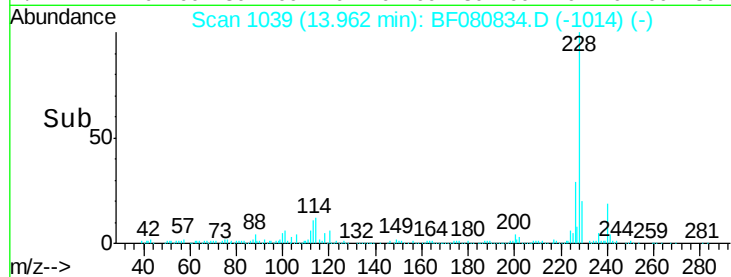
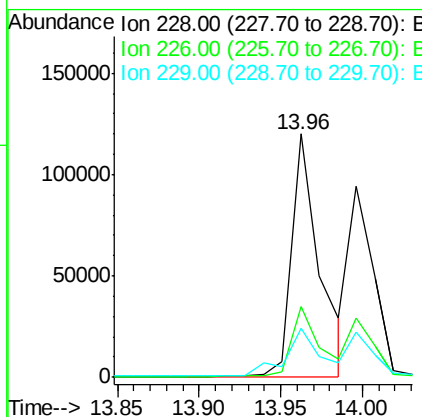
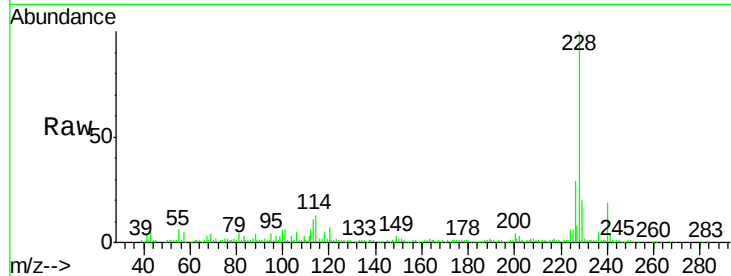




#80
Benzo(a)anthracene
Concen: 7.27 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

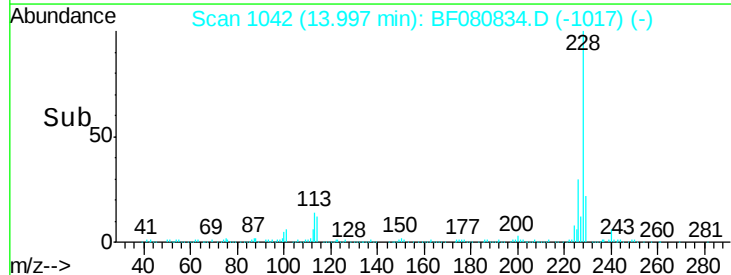
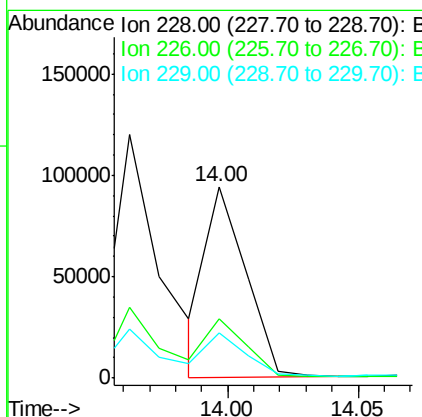
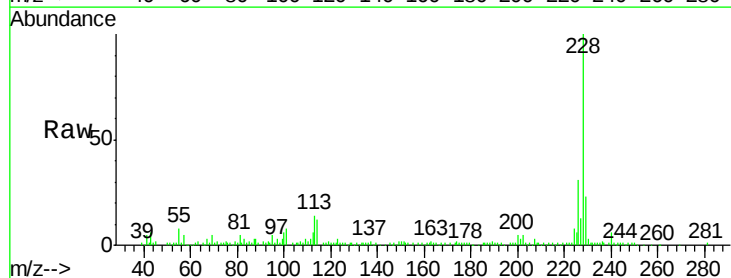
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-A

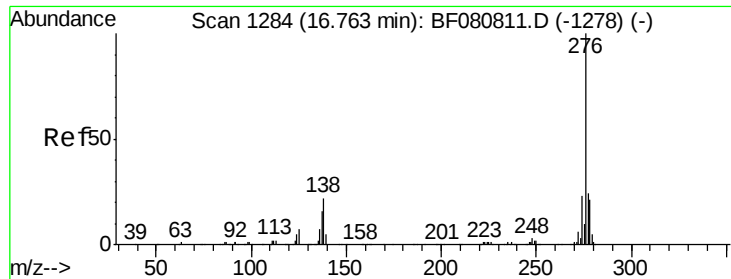
Tot Ion:228 Resp: 142780
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 20.4 15.7 23.5



#82
Chrysene
Concen: 5.26 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF080834.D
Acq: 4 Aug 2015 10:15

Tgt Ion:228 Resp: 100405
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 23.4 16.1 24.1

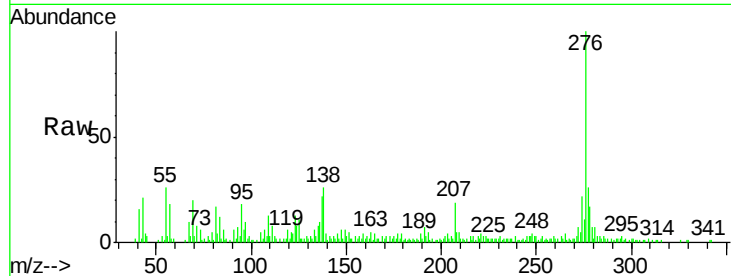




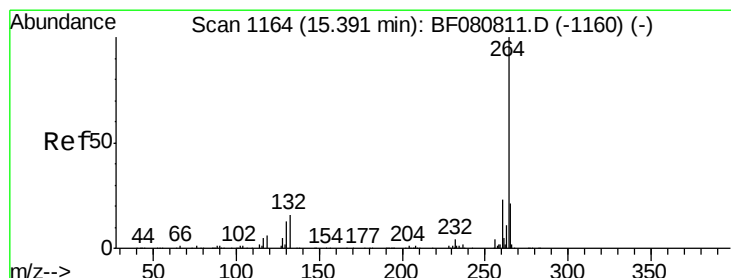
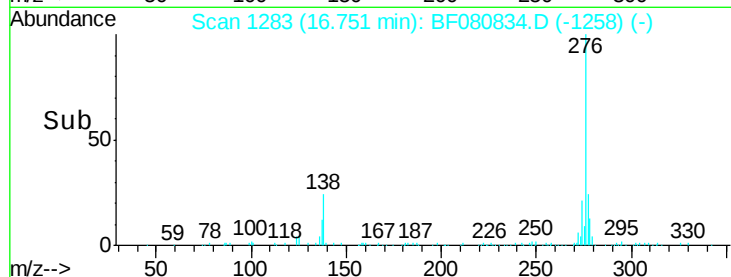
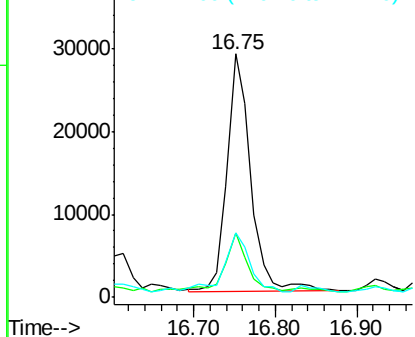
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.29 ng
 RT: 16.75 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Tot Ion:276 Resp: 57646
 Ion Ratio Lower Upper
 276 100
 138 25.0 18.6 27.8
 277 27.9 20.1 30.1

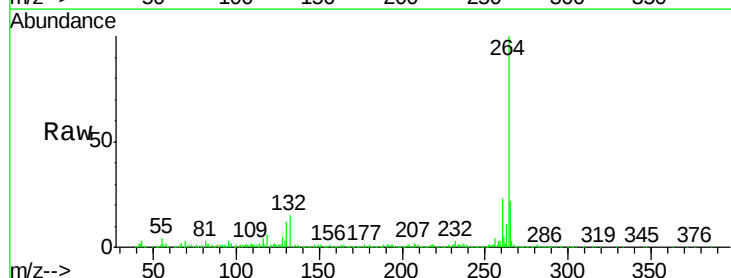


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

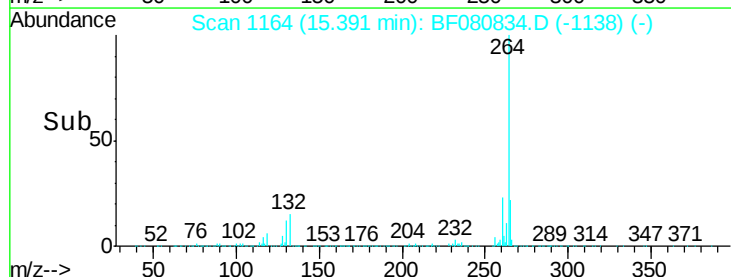
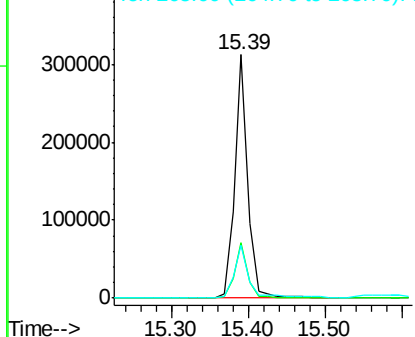


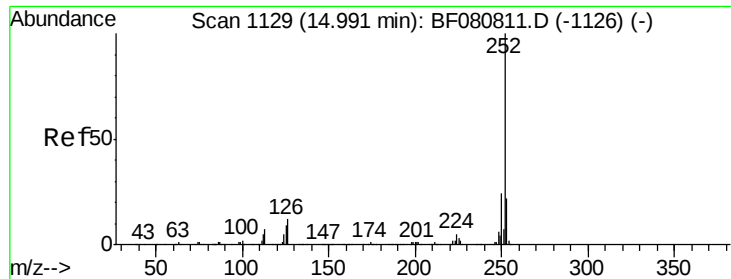
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF080834.D
 Acq: 4 Aug 2015 10:15

Tgt Ion:264 Resp: 375715
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.3 27.5
 265 22.0 17.0 25.6



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: 9.19 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

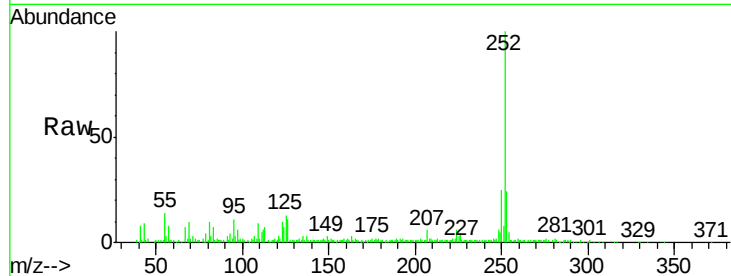
Tot Ion:252 Resp: 202161

Ion Ratio Lower Upper

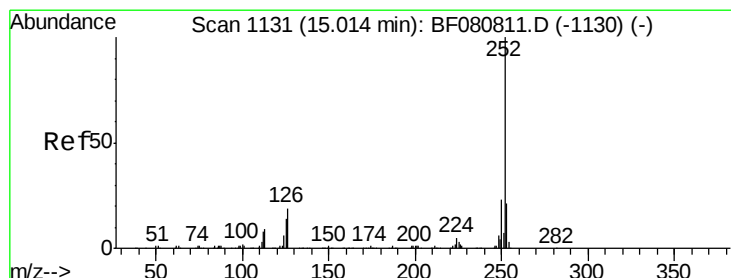
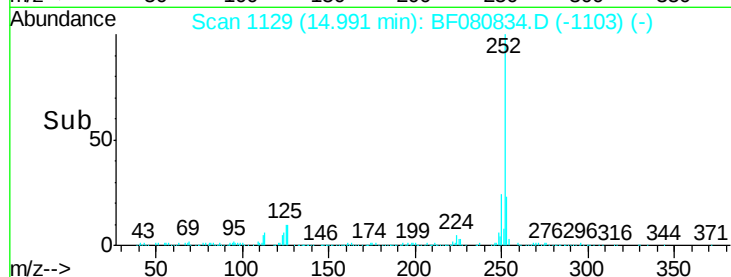
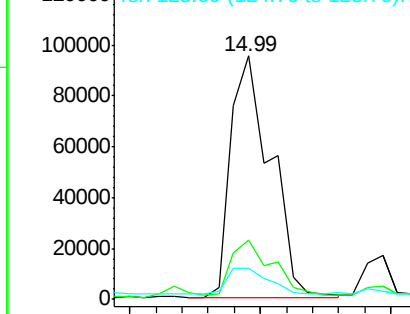
252 100

253 24.1 17.5 26.3

125 12.6 7.4 11.0#



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



#88

Benzo(k)fluoranthene

Concen: 10.55 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

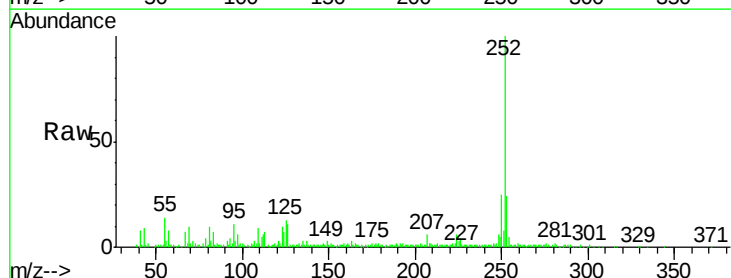
Tgt Ion:252 Resp: 202161

Ion Ratio Lower Upper

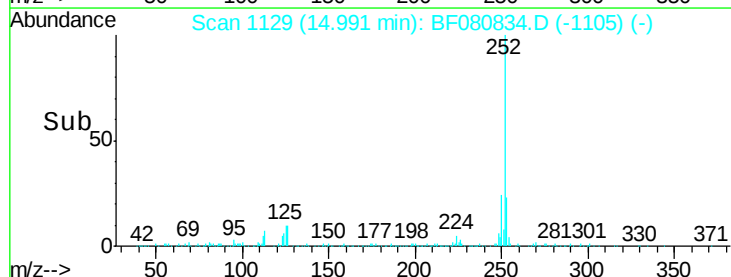
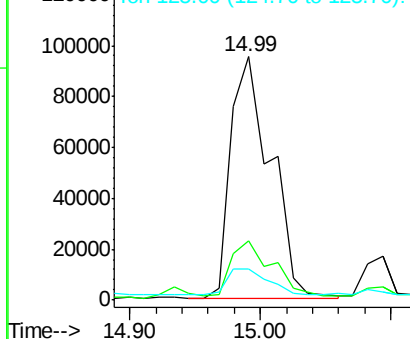
252 100

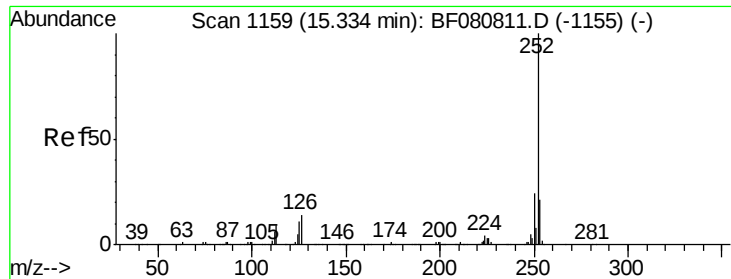
253 24.1 17.4 26.0

125 12.6 9.9 14.9



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: 5.54 ng

RT: 15.33 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-A

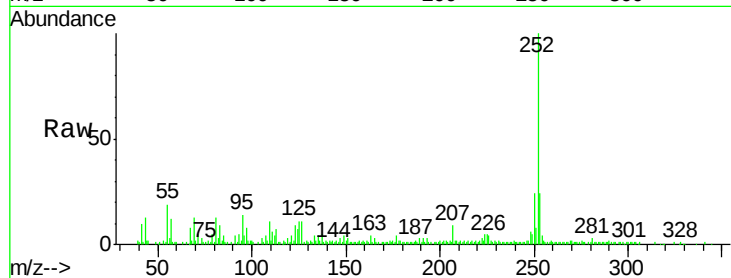
Tot Ion:252 Resp: 103852

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

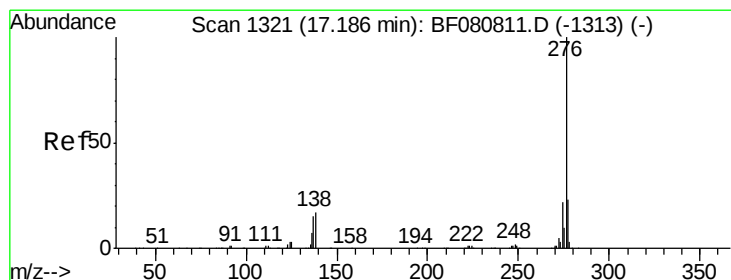
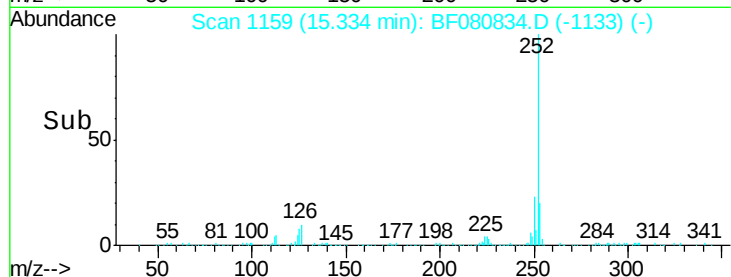
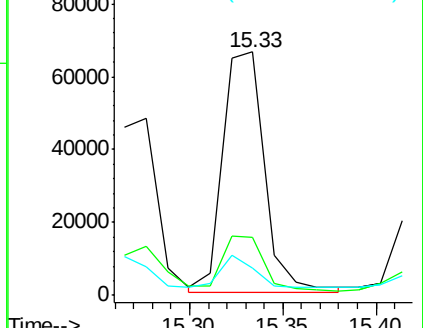
125 11.0 8.9 13.3



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



#91

Benzo(g,h,i)perylene

Concen: 2.90 ng

RT: 17.16 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BF080834.D

Acq: 4 Aug 2015 10:15

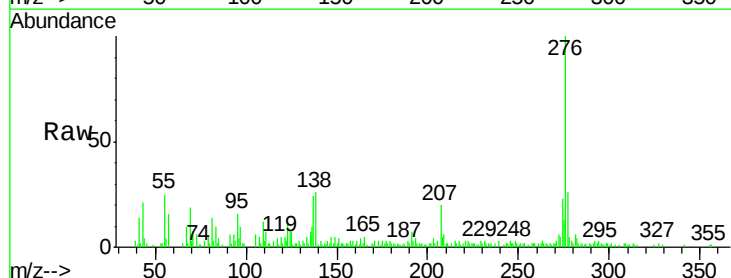
Tgt Ion:276 Resp: 54897

Ion Ratio Lower Upper

276 100

277 25.9 18.6 27.8

138 25.7 13.3 19.9#



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

