

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081915\
 Data File : BF081119.D
 Acq On : 20 Aug 2015 10:51
 Operator : UM/IZ
 Sample : G3230-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3B

Quant Time: Aug 20 12:01:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	61847	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	248483	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	102119	20.00	ng	0.00
63) Phenanthrene-d10	11.09	188	186185	20.00	ng	0.00
75) Chrysene-d12	13.72	240	121871	20.00	ng	0.01
86) Perylene-d12	15.05	264	98780	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	371699	90.40	ng	0.01
7) Phenol-d6	6.23	99	542013	101.03	ng	0.00
23) Nitrobenzene-d5	7.16	82	330832	60.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	74142	83.76	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	512459	65.75	ng	-0.01
78) Terphenyl-d14	12.68	244	375714	66.09	ng	0.00

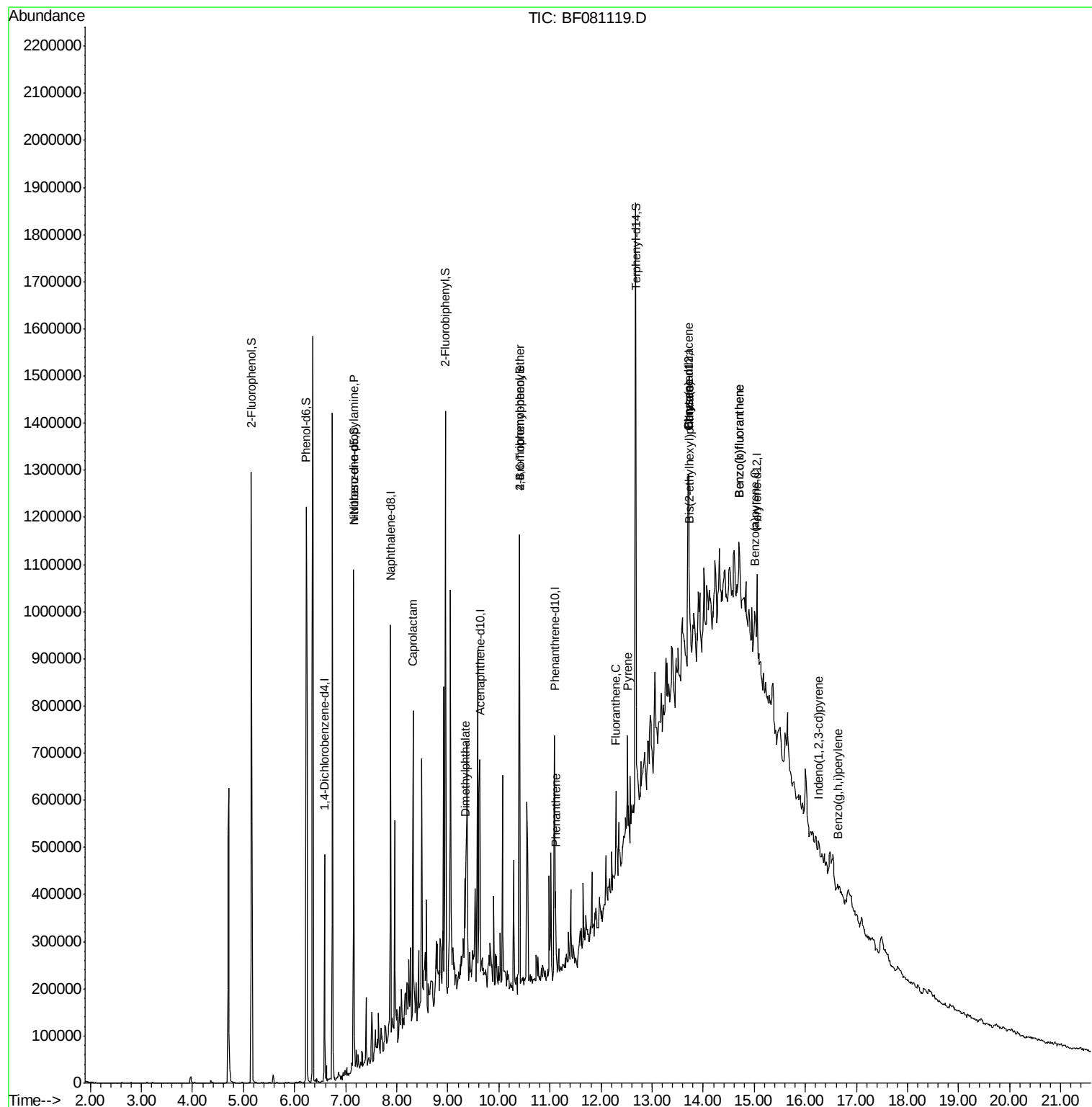
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	50406	13.56	ng	# 70
35) Caprolactam	8.32	113	12126	9.85	ng	# 42
49) Dimethylphthalate	9.35	163	59956	7.13	ng	99
66) 4-Bromophenyl-phenylether	10.40	248	5881	3.22	ng	# 1
70) Phenanthrene	11.11	178	64048	5.80	ng	97
74) Fluoranthene	12.29	202	80940	6.80	ng	91
77) Pyrene	12.52	202	72641	7.33	ng	98
80) Benzo(a)anthracene	13.71	228	59929	7.33	ng	# 96
82) Chrysene	13.71	228	59929	8.14	ng	# 93
83) Bis(2-ethylhexyl)phthalate	13.73	149	37800	6.93	ng	95
85) Indeno(1,2,3-cd)pyrene	16.27	276	14105	2.73	ng	98
87) Benzo(b)fluoranthene	14.70	252	40043	5.73	ng	# 47
88) Benzo(k)fluoranthene	14.70	252	40043	6.15	ng	# 48
89) Benzo(a)pyrene	15.01	252	20320	3.34	ng	# 32
91) Benzo(g,h,i)perylene	16.63	276	13557	2.82	ng	# 68

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

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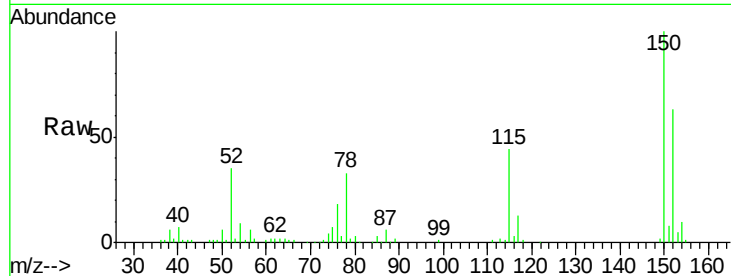


#1

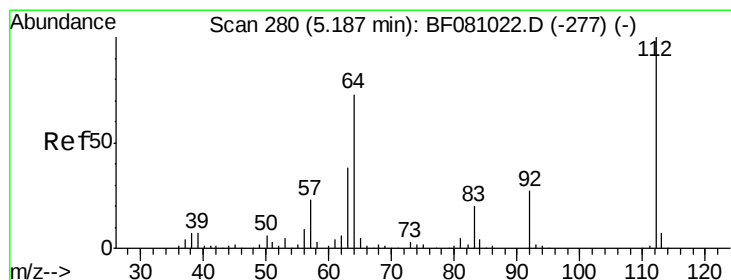
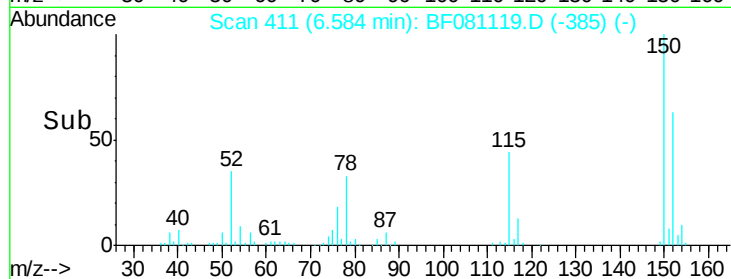
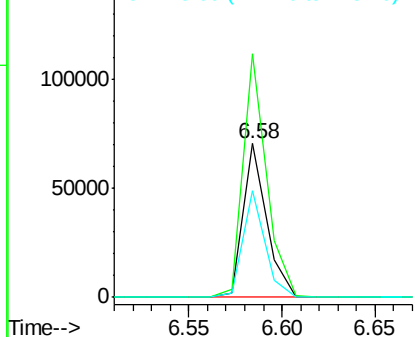
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Instrument :
BNA_F
ClientSampled :
SB3B

Tgt Ion:152 Resp: 61847
Ion Ratio Lower Upper
152 100
150 158.7 123.8 185.6
115 69.7 52.1 78.1



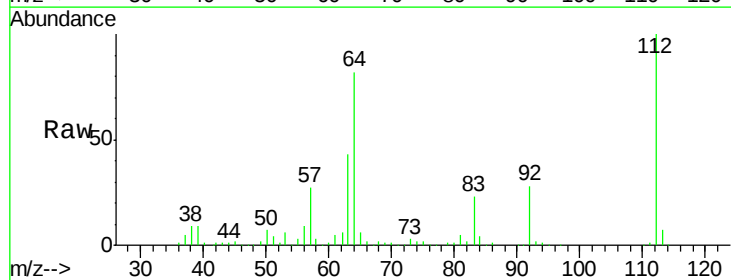
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



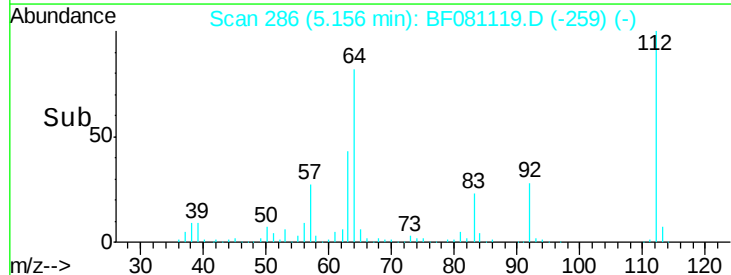
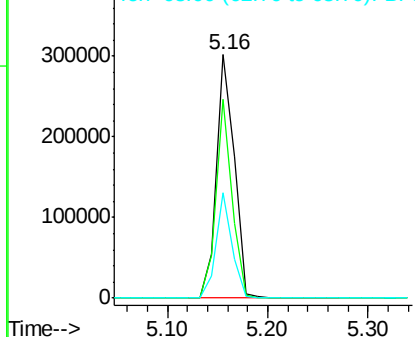
#5

2-Fluorophenol
Concen: 90.40 ng
RT: 5.16 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Tgt Ion:112 Resp: 371699
Ion Ratio Lower Upper
112 100
64 81.8 66.9 100.3
63 43.4 38.1 57.1



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: 101.03 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Instrument :

BNA_F

ClientSampled :

SB3B

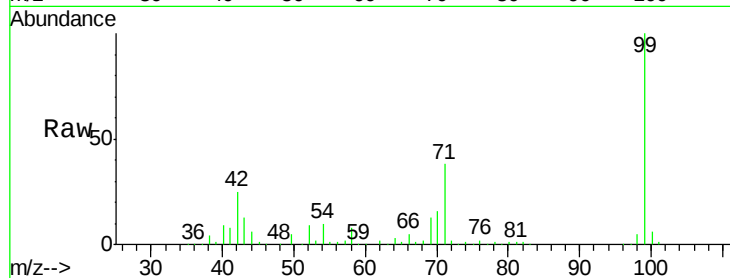
Tgt Ion: 99 Resp: 542013

Ion Ratio Lower Upper

99 100

42 24.6 19.6 29.4

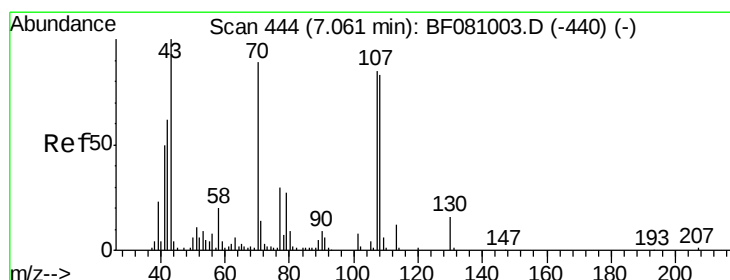
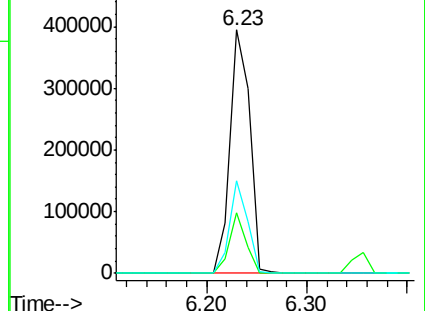
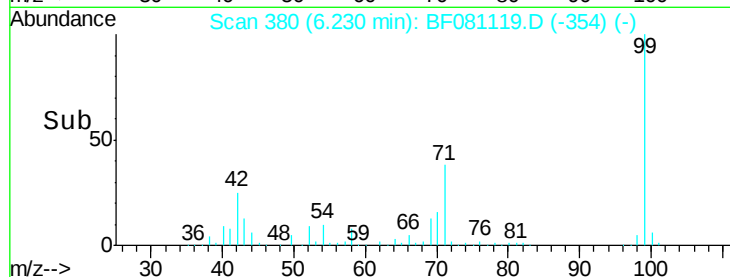
71 37.8 31.2 46.8



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: 13.56 ng

RT: 7.16 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Tgt Ion: 70 Resp: 50406

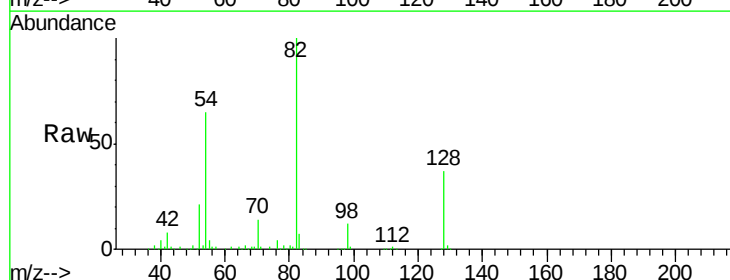
Ion Ratio Lower Upper

70 100

42 54.4 65.0 97.4#

101 0.0 7.4 11.2#

130 1.8 13.0 19.4#

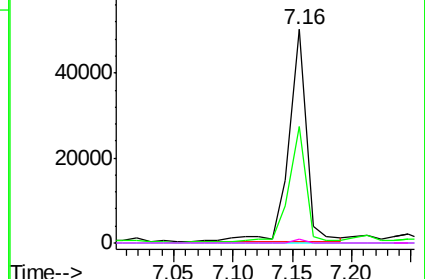
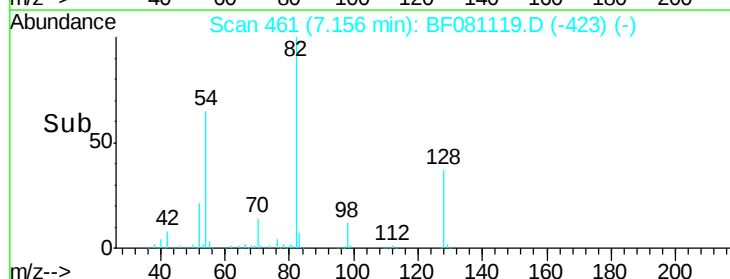


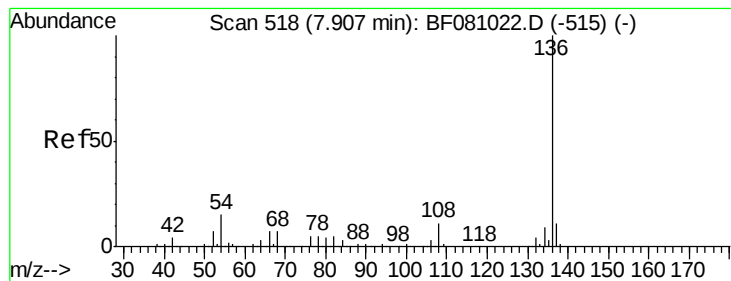
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.88 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Instrument :

BNA_F

ClientSampleId :

SB3B

Tgt Ion:136 Resp: 248483

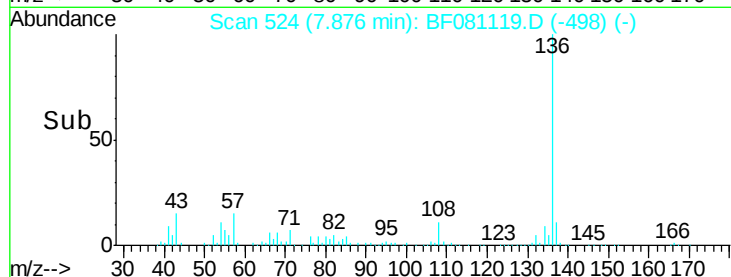
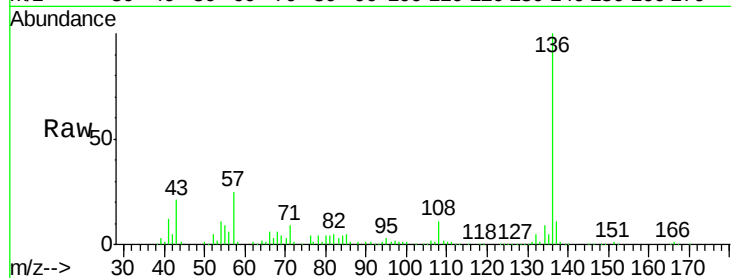
Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.2

54 10.8 7.7 11.5

68 6.1 3.4 5.2#

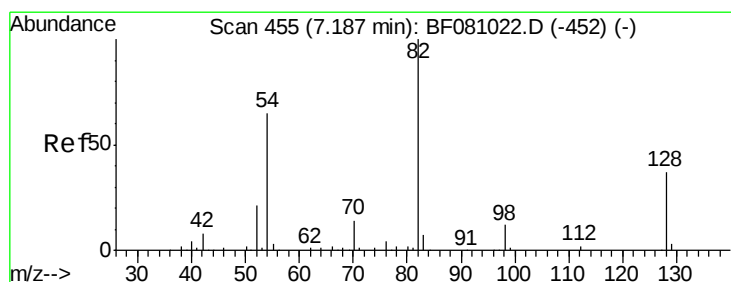
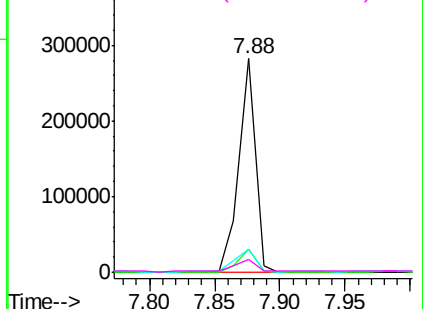


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.82 ng

RT: 7.16 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

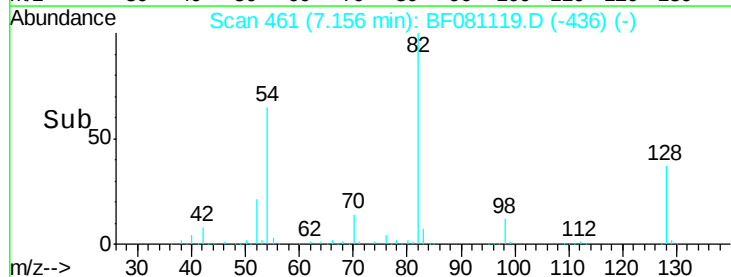
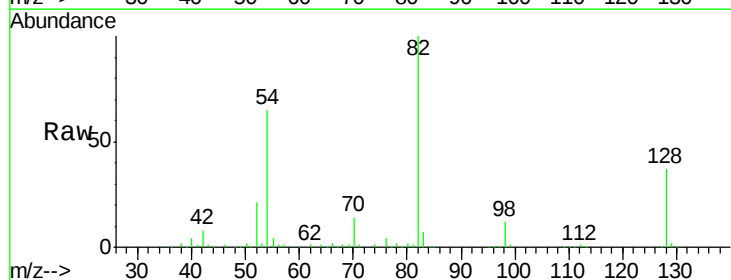
Tgt Ion: 82 Resp: 330832

Ion Ratio Lower Upper

82 100

128 36.7 28.6 42.8

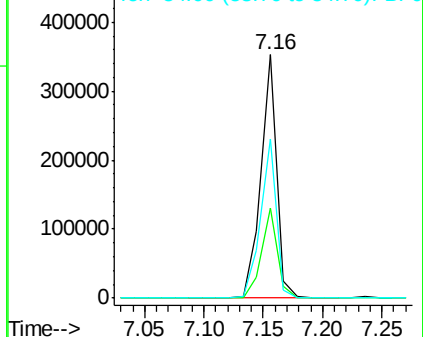
54 65.4 55.1 82.7

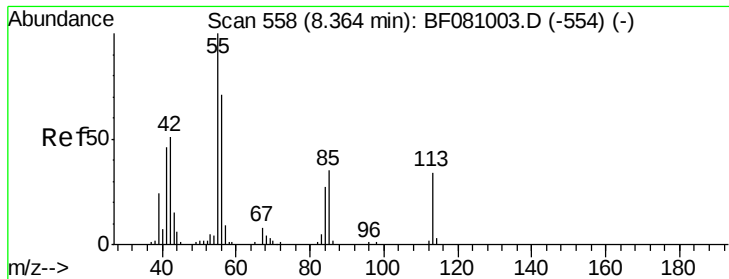


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

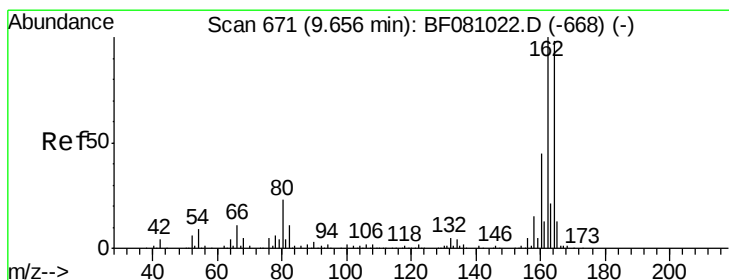
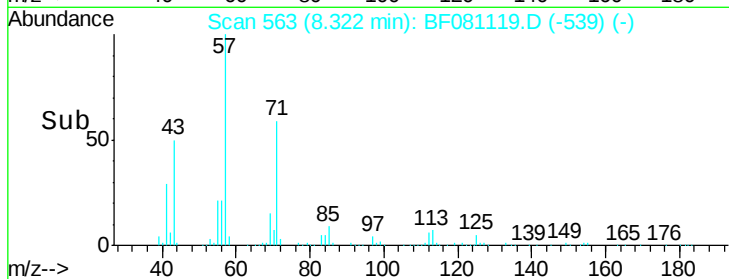
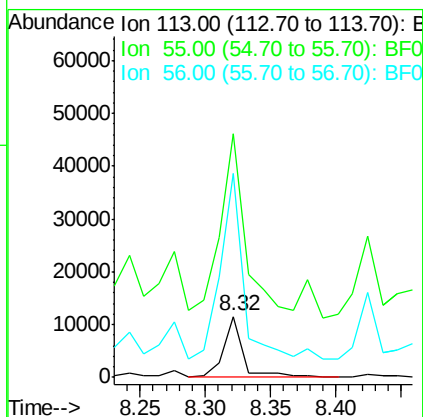
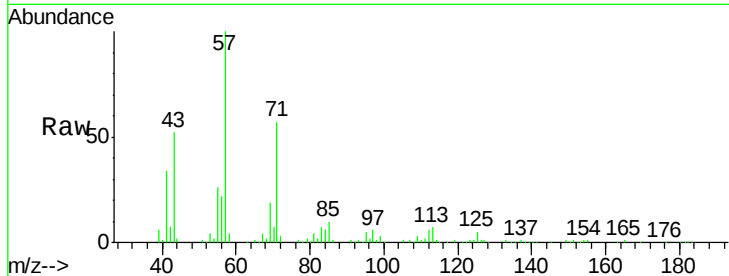




#35
 Caprolactam
 Concen: 9.85 ng
 RT: 8.32 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: BF081119.D
 Acq: 20 Aug 2015 10:51

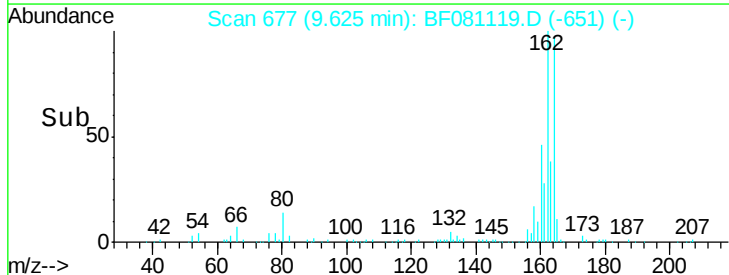
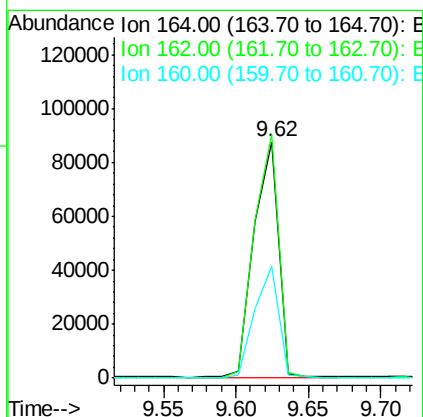
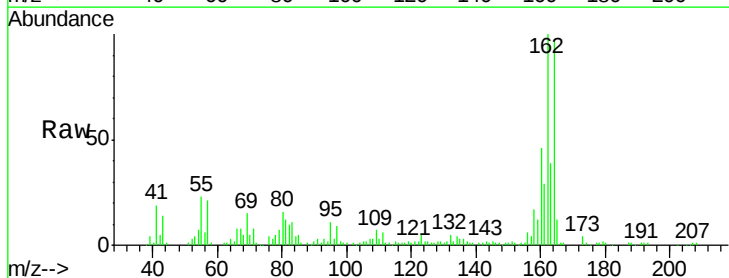
Instrument :
 BNA_F
 ClientSampled :
 SB3B

Tgt Ion:113 Resp: 12126
 Ion Ratio Lower Upper
 113 100
 55 400.0 280.4 320.4#
 56 335.0 205.9 245.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: BF081119.D
 Acq: 20 Aug 2015 10:51

Tgt Ion:164 Resp: 102119
 Ion Ratio Lower Upper
 164 100
 162 103.0 83.8 125.8
 160 47.4 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 83.76 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Instrument :

BNA_F

ClientSampleId :

SB3B

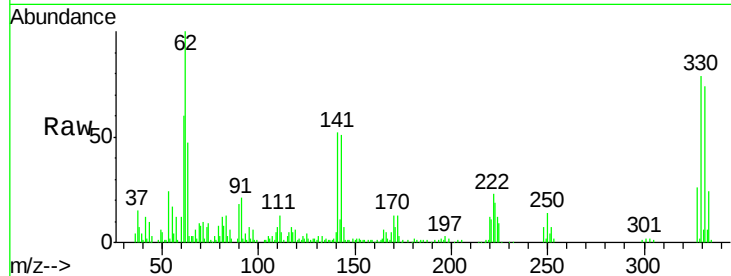
Tgt Ion:330 Resp: 74142

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

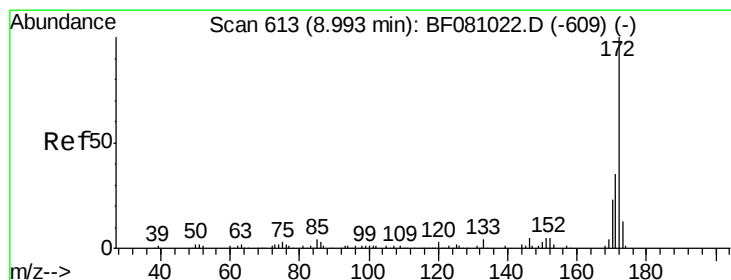
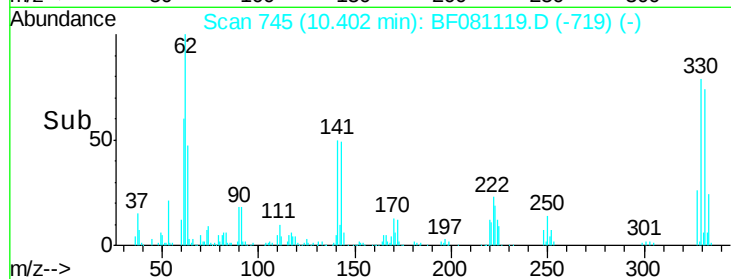
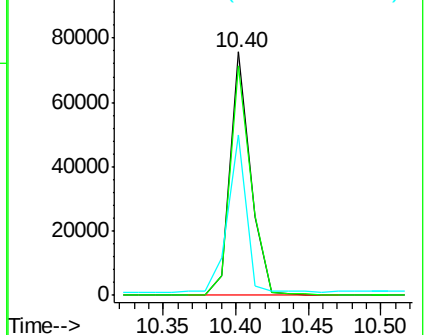
141 60.0 44.9 67.3



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: 65.75 ng

RT: 8.95 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

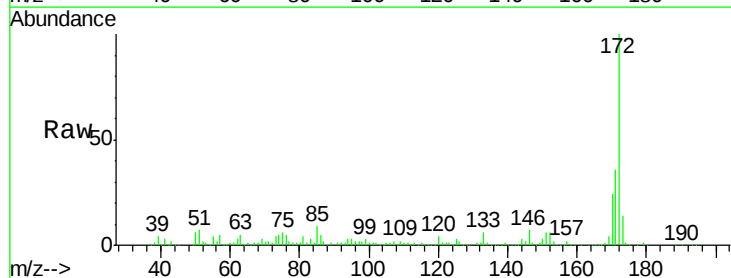
Tgt Ion:172 Resp: 512459

Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

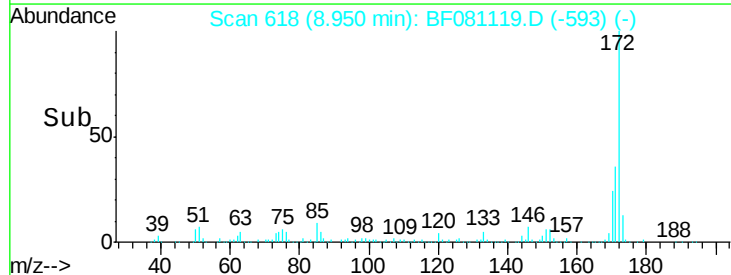
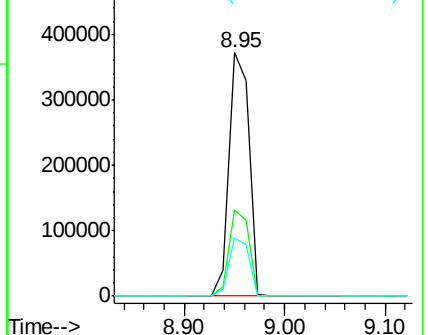
170 24.0 19.4 29.2

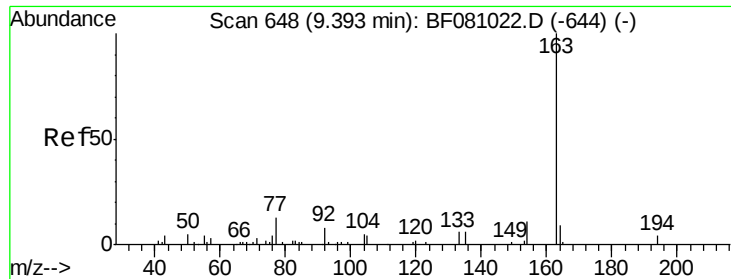


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

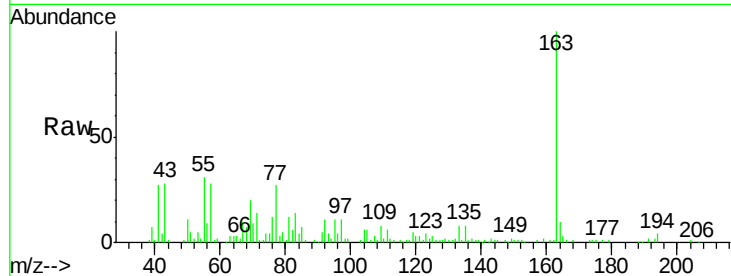




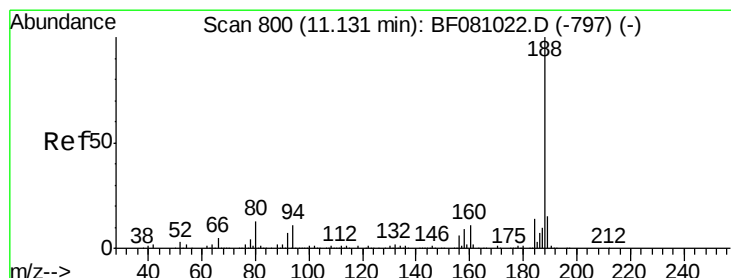
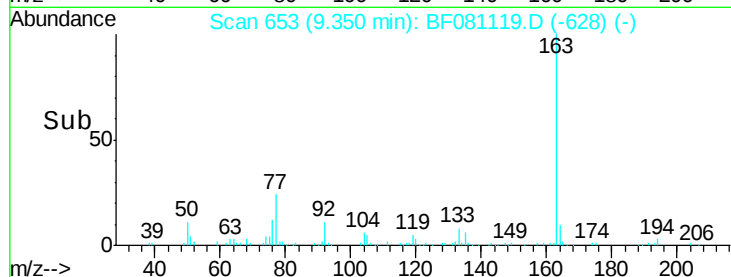
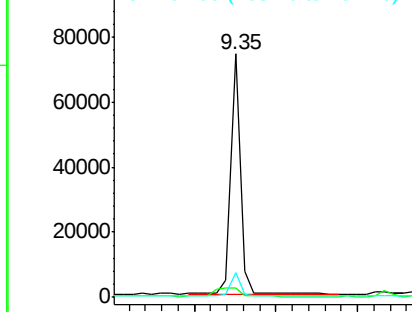
#49
Dimethylphthalate
Concen: 7.13 ng
RT: 9.35 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Instrument :
BNA_F
ClientSampleId :
SB3B

Tgt Ion:163 Resp: 59956
Ion Ratio Lower Upper
163 100
194 3.7 2.5 3.7
164 10.3 8.1 12.1

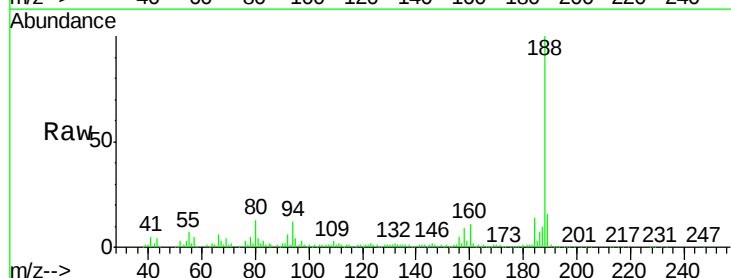


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

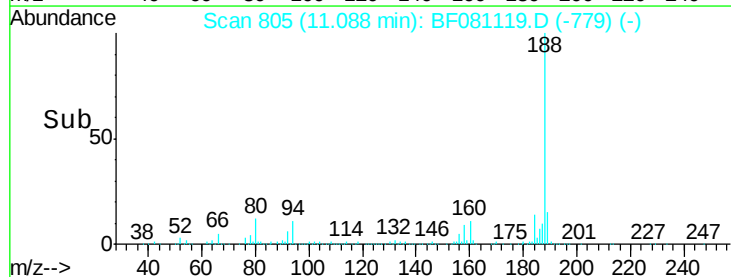
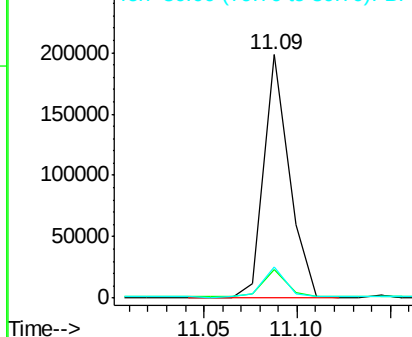


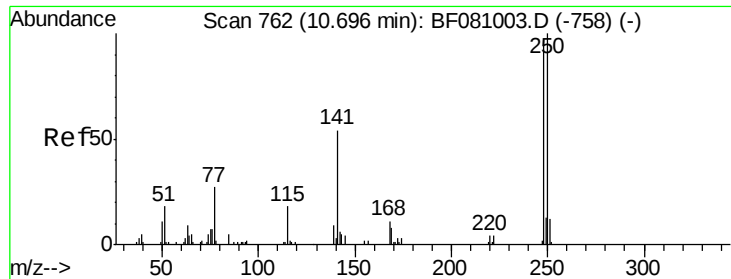
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Tgt Ion:188 Resp: 186185
Ion Ratio Lower Upper
188 100
94 11.9 8.2 12.2
80 13.0 9.5 14.3



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

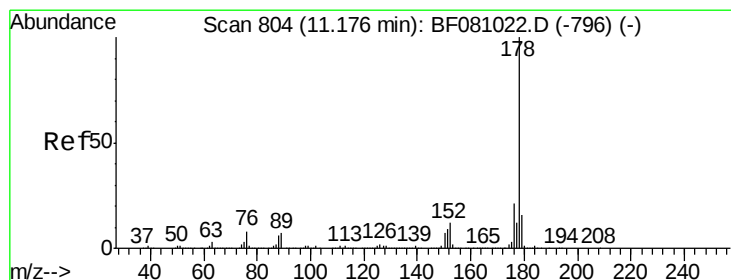
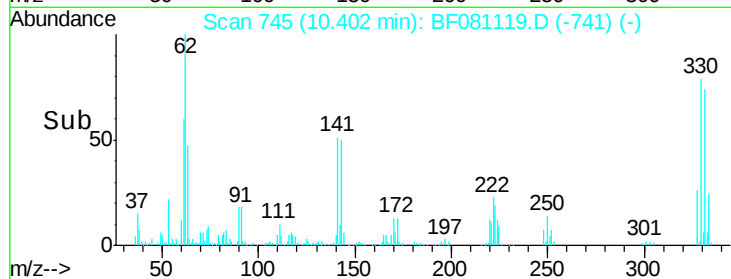
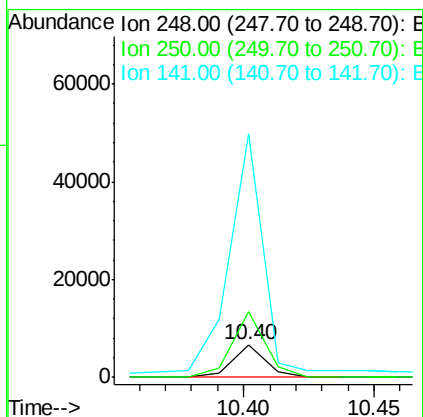
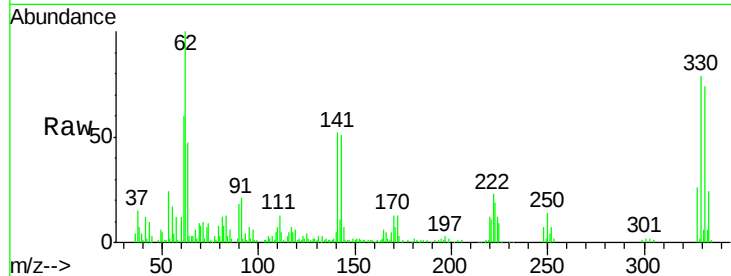




#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

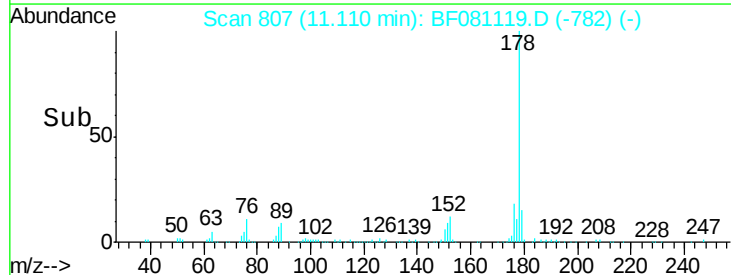
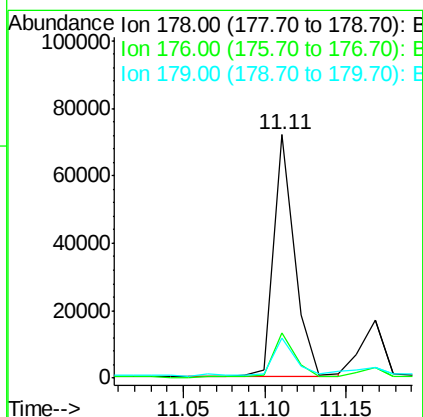
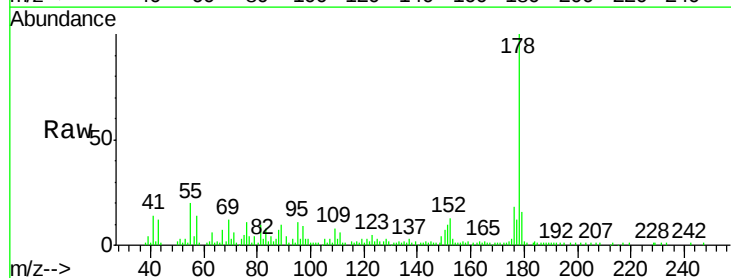
Instrument :
BNA_F
ClientSampleId :
SB3B

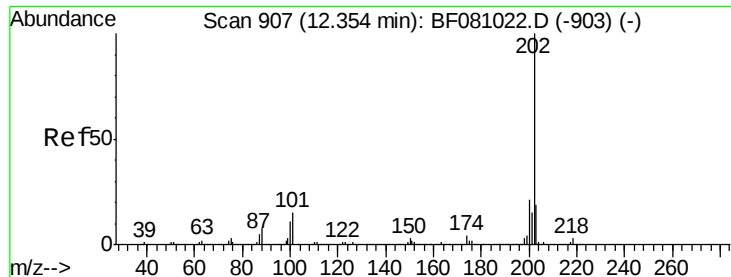
Tgt Ion:248 Resp: 5881
Ion Ratio Lower Upper
248 100
250 200.7 77.8 116.6#
141 749.2 39.8 59.6#



#70
Phenanthrene
Concen: 5.80 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Tgt Ion:178 Resp: 64048
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 16.3 12.2 18.2





#74

Fluoranthene

Concen: 6.80 ng

RT: 12.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

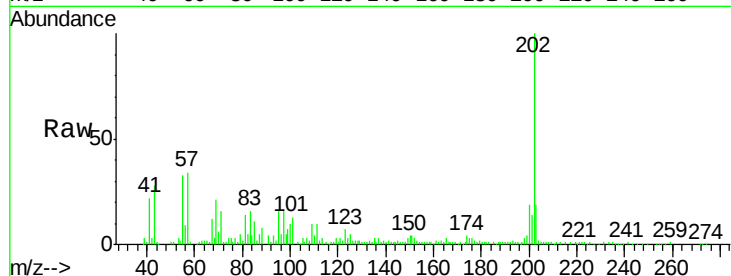
Instrument :

BNA_F

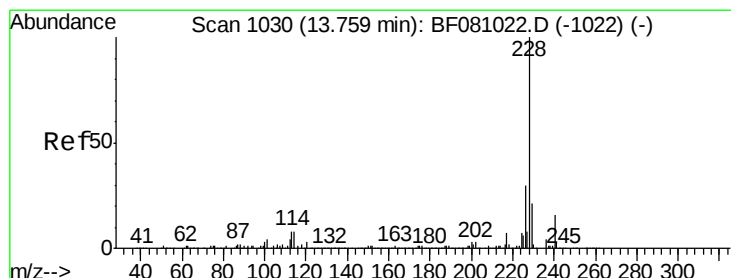
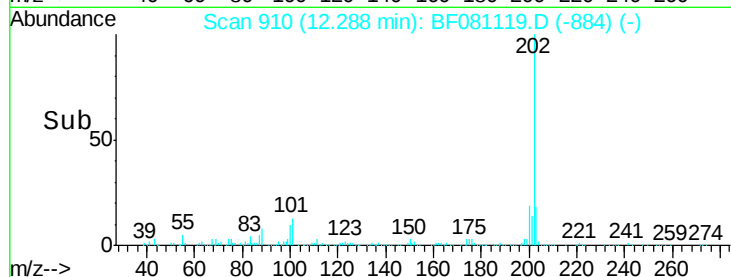
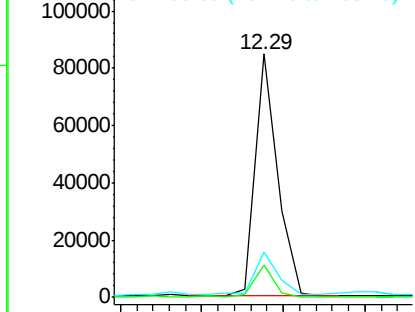
ClientSampleId :

SB3B

Tgt Ion:	202	Resp:	80940
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	24.8
203	18.6	0.0	36.9



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

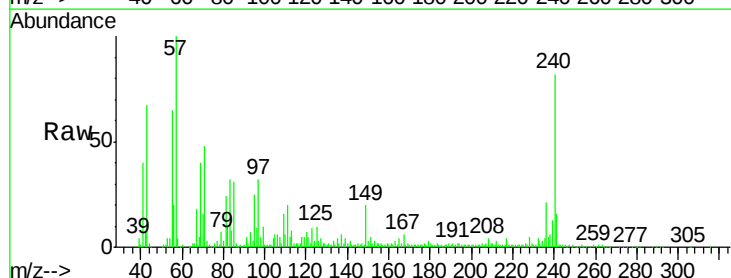
RT: 13.72 min Scan# 1035

Delta R.T. 0.01 min

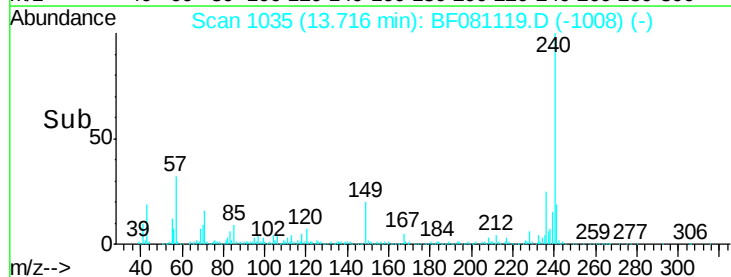
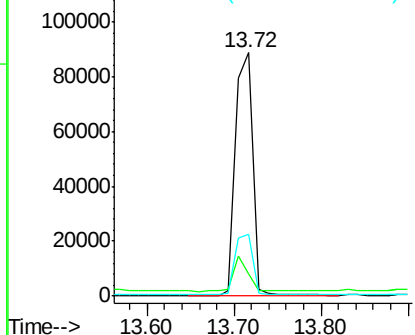
Lab File: BF081119.D

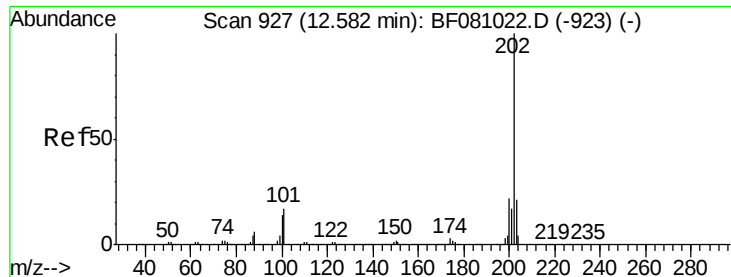
Acq: 20 Aug 2015 10:51

Tgt Ion:	240	Resp:	121871
Ion	Ratio	Lower	Upper
240	100		
120	8.9	5.6	8.4#
236	25.5	20.6	30.8



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: 7.33 ng

RT: 12.52 min Scan# 930

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Instrument :

BNA_F

ClientSampleId :

SB3B

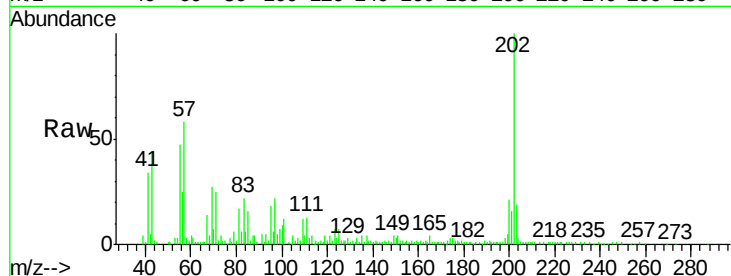
Tgt Ion:202 Resp: 72641

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

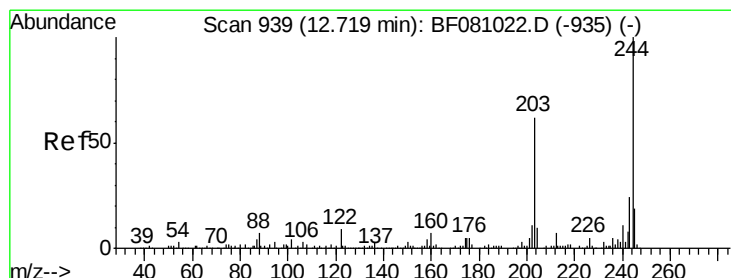
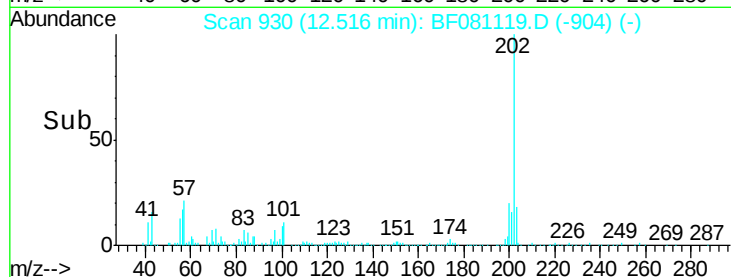
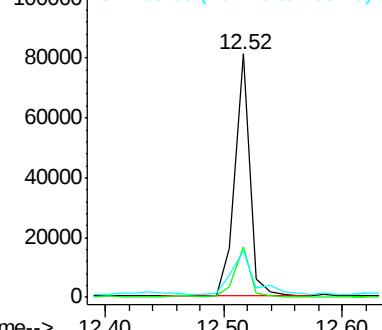
203 19.2 14.1 21.1



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: 66.09 ng

RT: 12.68 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

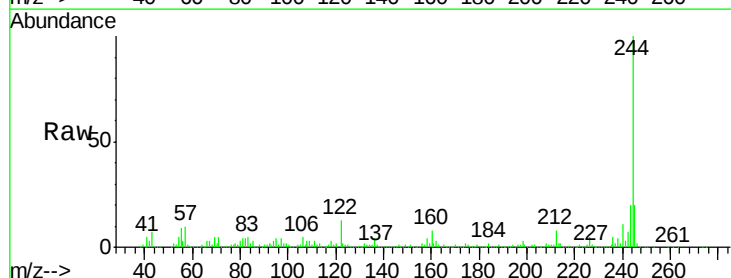
Tgt Ion:244 Resp: 375714

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

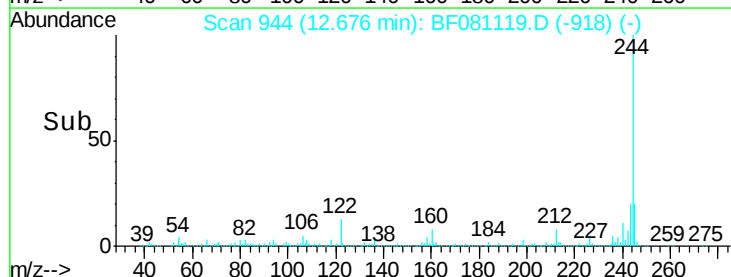
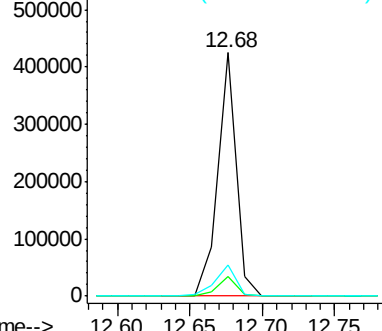
122 12.9 8.2 12.4#

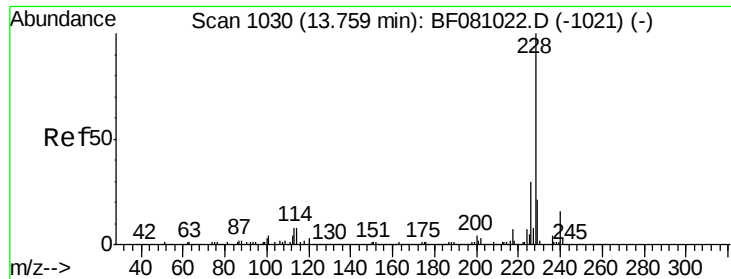


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.33 ng

RT: 13.71 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

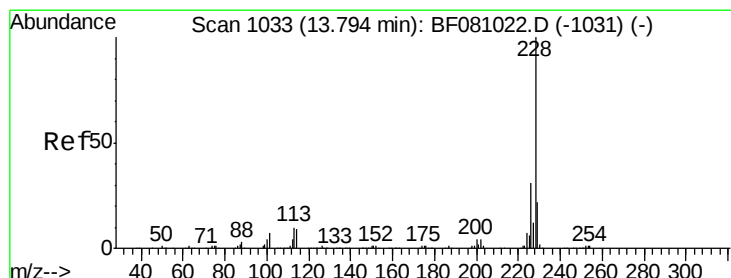
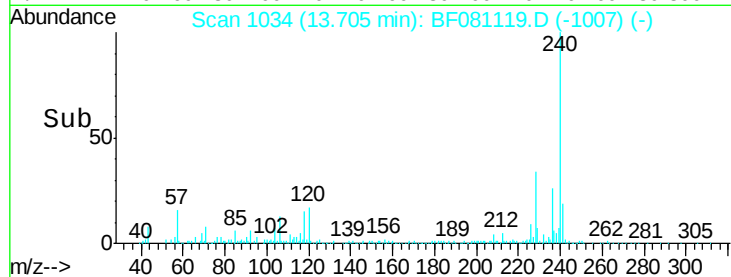
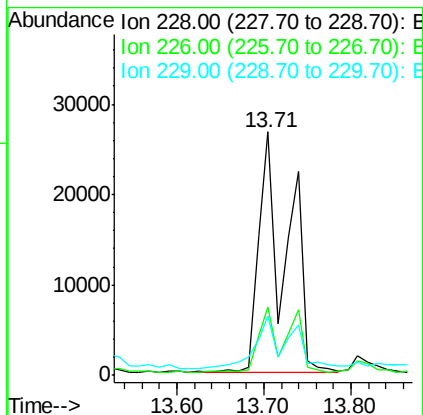
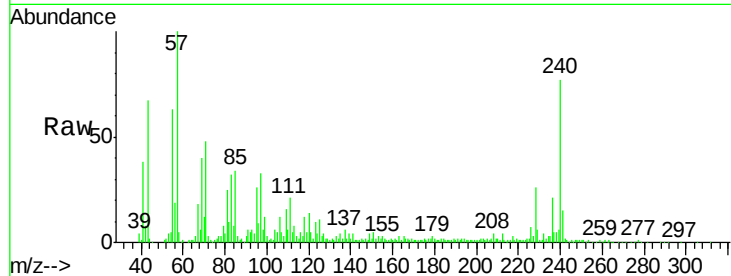
Instrument :

BNA_F

ClientSampleId :

SB3B

Tgt Ion:	228	Resp:	59929
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.3	33.5
229	24.2	15.9	23.9#



#82

Chrysene

Concen: 8.14 ng

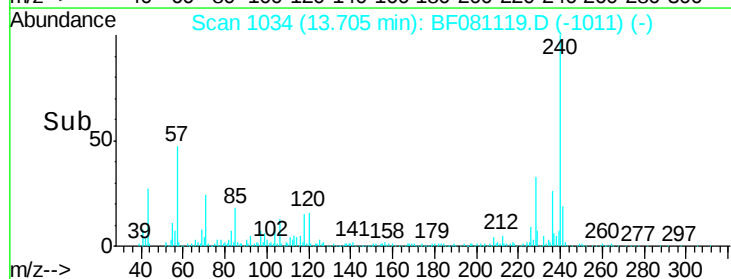
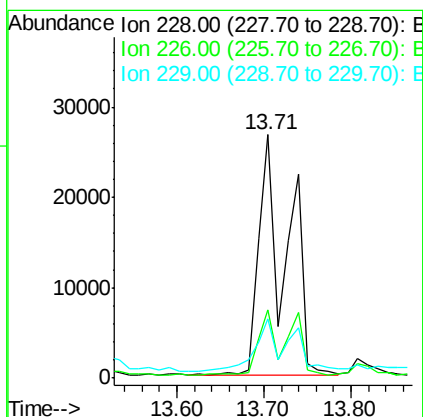
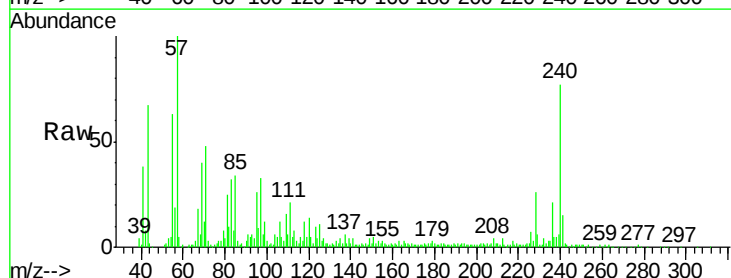
RT: 13.71 min Scan# 1034

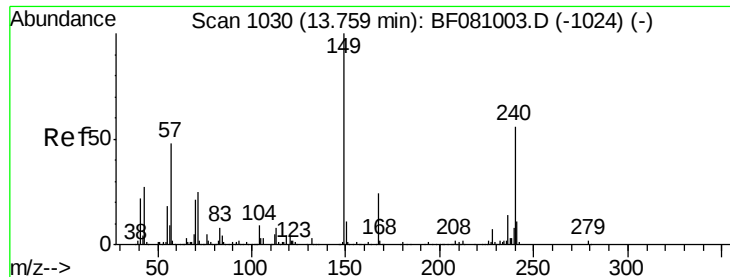
Delta R.T. -0.03 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Tgt Ion:	228	Resp:	59929
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.4	36.6
229	24.2	16.0	24.0#

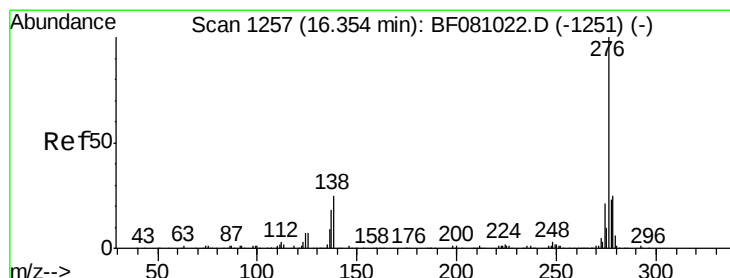
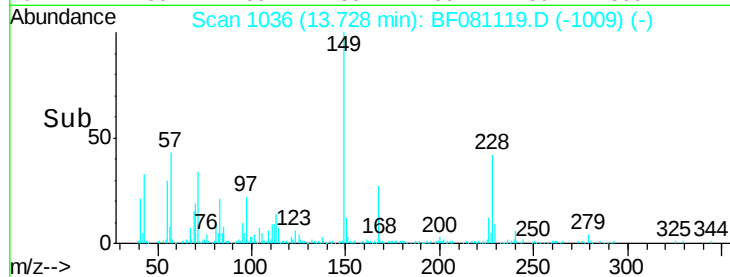
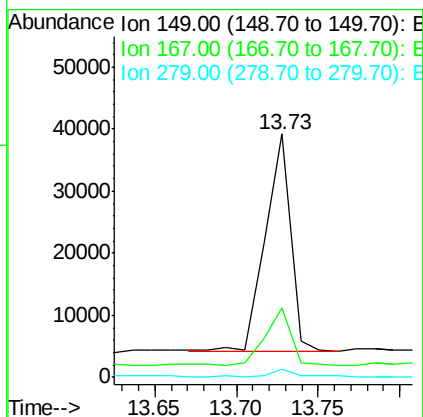
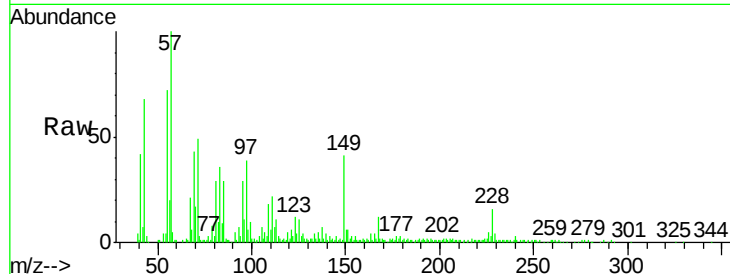




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.93 ng
 RT: 13.73 min Scan# 1036
 Delta R.T. 0.01 min
 Lab File: BF081119.D
 Acq: 20 Aug 2015 10:51

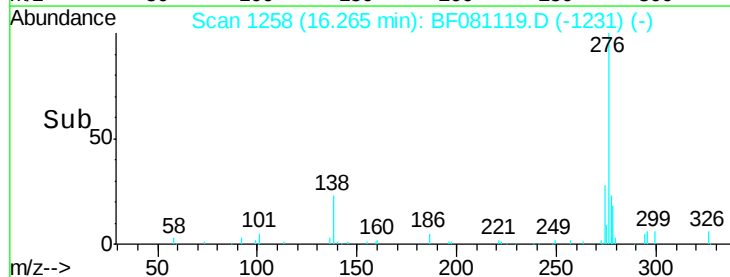
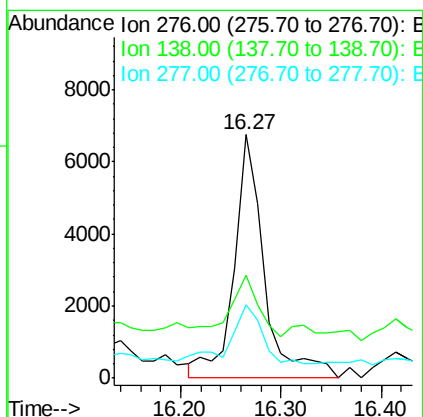
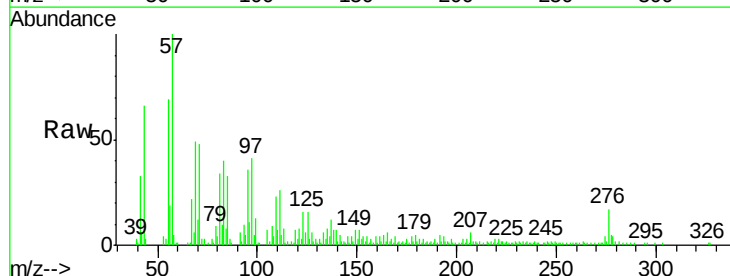
Instrument :
 BNA_F
 ClientSampleId :
 SB3B

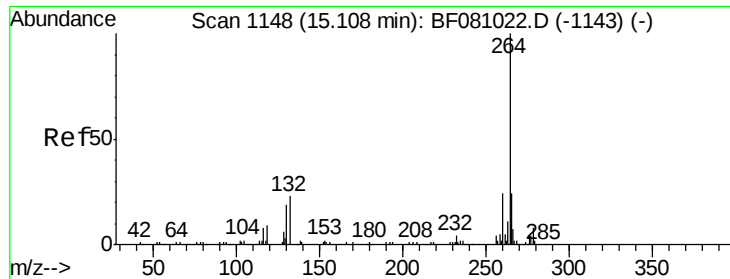
Tgt Ion:149 Resp: 37800
 Ion Ratio Lower Upper
 149 100
 167 28.4 20.7 31.1
 279 3.3 2.2 3.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.73 ng
 RT: 16.27 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: BF081119.D
 Acq: 20 Aug 2015 10:51

Tgt Ion:276 Resp: 14105
 Ion Ratio Lower Upper
 276 100
 138 21.3 18.6 28.0
 277 25.1 19.8 29.8

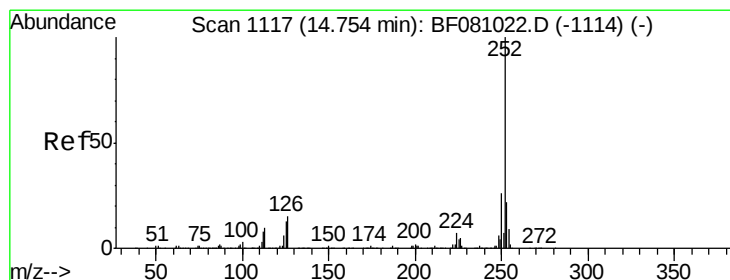
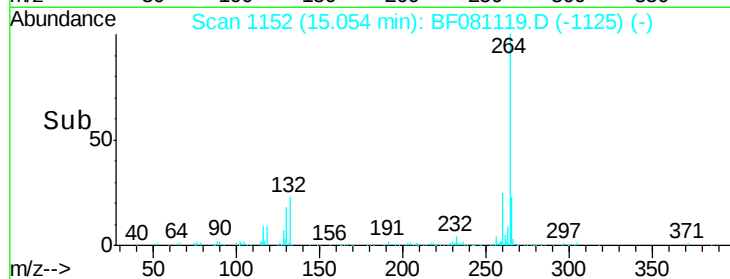
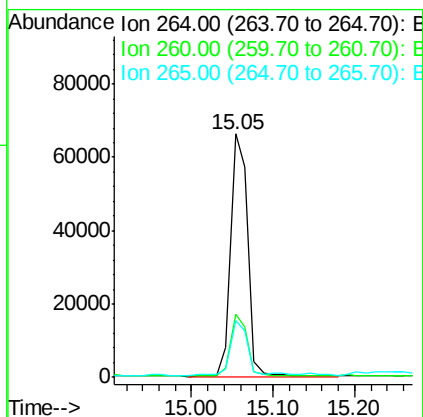
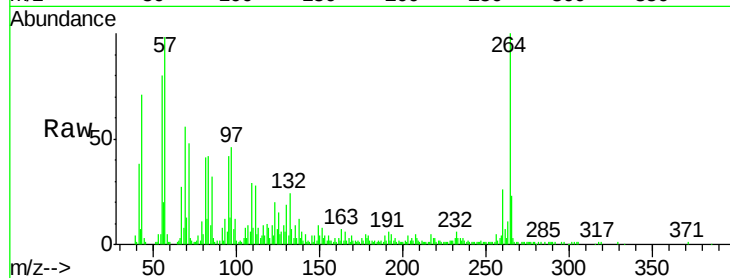




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

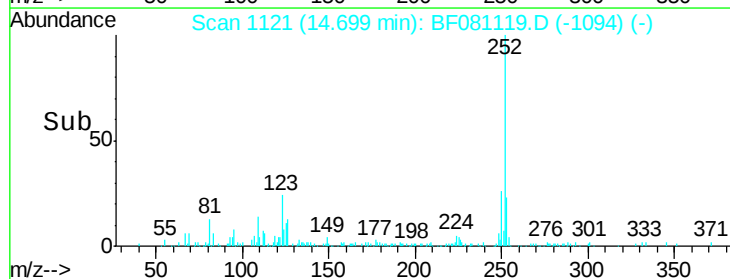
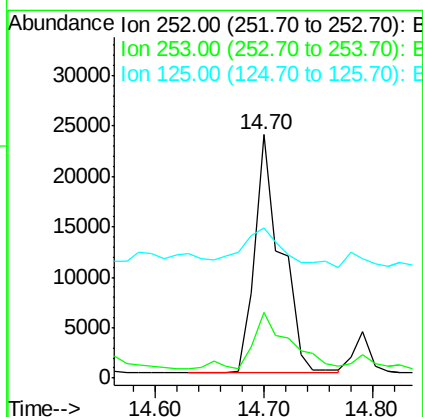
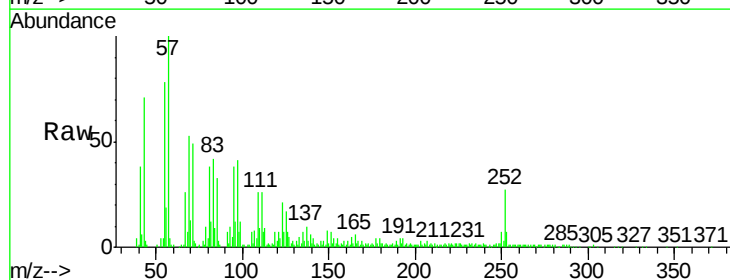
Instrument :
BNA_F
ClientSampleId :
SB3B

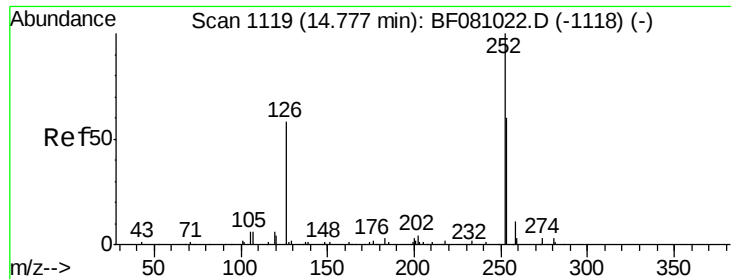
Tgt Ion:264 Resp: 98780
Ion Ratio Lower Upper
264 100
260 25.9 19.6 29.4
265 23.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.73 ng
RT: 14.70 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Tgt Ion:252 Resp: 40043
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 61.8 8.0 12.0#

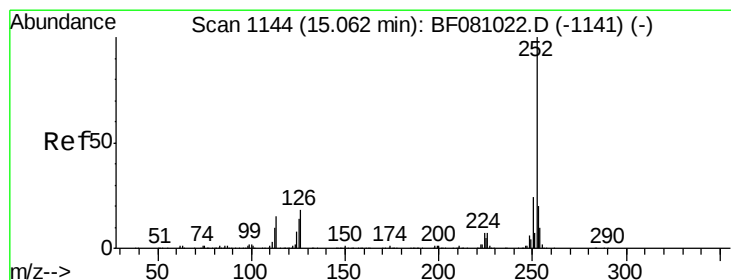
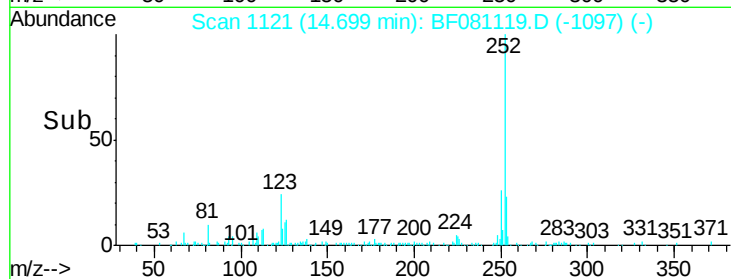
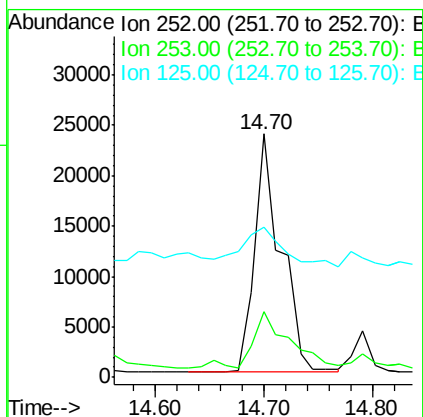
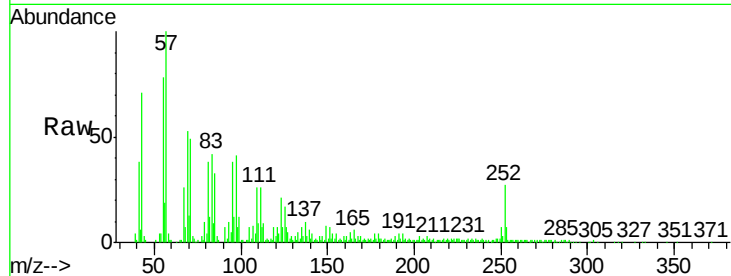




#88
Benzo(k)fluoranthene
Concen: 6.15 ng
RT: 14.70 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

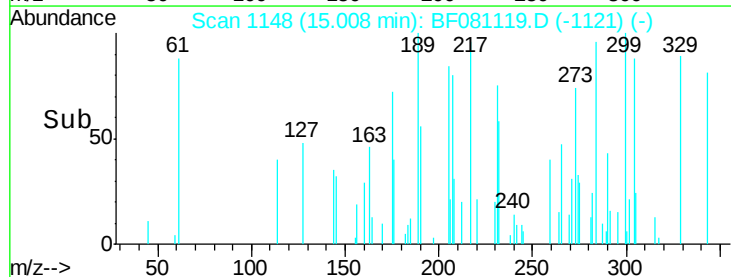
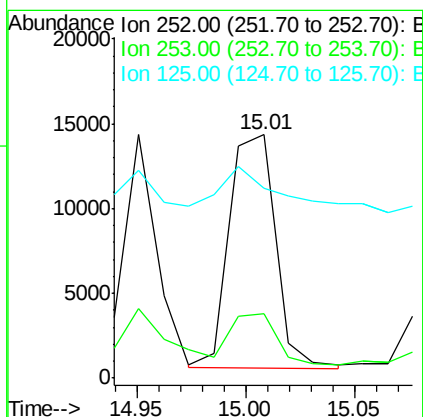
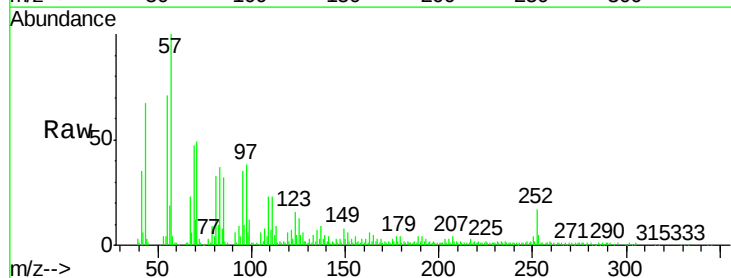
Instrument :
BNA_F
ClientSampleId :
SB3B

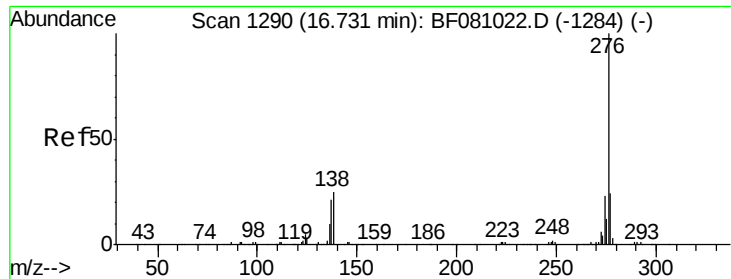
Tgt Ion:252 Resp: 40043
Ion Ratio Lower Upper
252 100
253 26.9 17.6 26.4#
125 61.8 10.3 15.5#



#89
Benzo(a)pyrene
Concen: 3.34 ng
RT: 15.01 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081119.D
Acq: 20 Aug 2015 10:51

Tgt Ion:252 Resp: 20320
Ion Ratio Lower Upper
252 100
253 26.6 16.6 25.0#
125 77.9 7.8 11.8#





#91

Benzo(g,h,i)perylene

Concen: 2.82 ng

RT: 16.63 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF081119.D

Acq: 20 Aug 2015 10:51

Instrument :

BNA_F

ClientSampleId :

SB3B

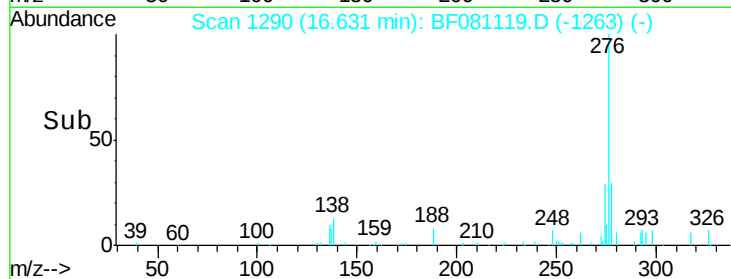
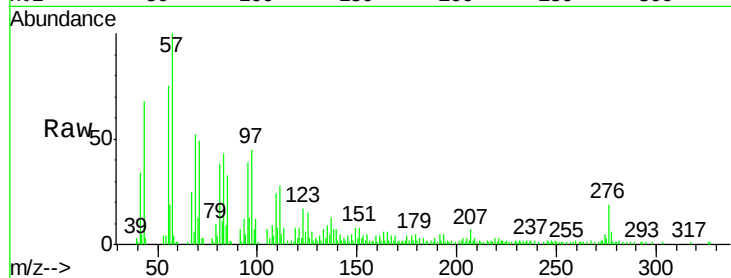
Tgt Ion: 276 Resp: 13557

Ion Ratio Lower Upper

276 100

277 34.1 18.2 27.2#

138 36.3 13.7 20.5#



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

