

Data Path : Z:\HPCHEM1\BNA F\Data\BF100515\
 Data File : BF082061.D
 Acq On : 5 Oct 2015 23:30
 Operator : UM/IZ
 Sample : G3891-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

Quant Time: Oct 06 01:30:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	92504	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	367504	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	153941	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	248605	20.00	ng	0.00
75) Chrysene-d12	14.07	240	196795	20.00	ng	0.01
86) Perylene-d12	15.53	264	134161	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	686589	134.74	ng	0.01
7) Phenol-d6	6.53	99	972292	151.63	ng	0.01
23) Nitrobenzene-d5	7.45	82	530904	96.30	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	183823	117.91	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1008810	118.60	ng	0.00
78) Terphenyl-d14	13.01	244	737955	154.49	ng	0.00

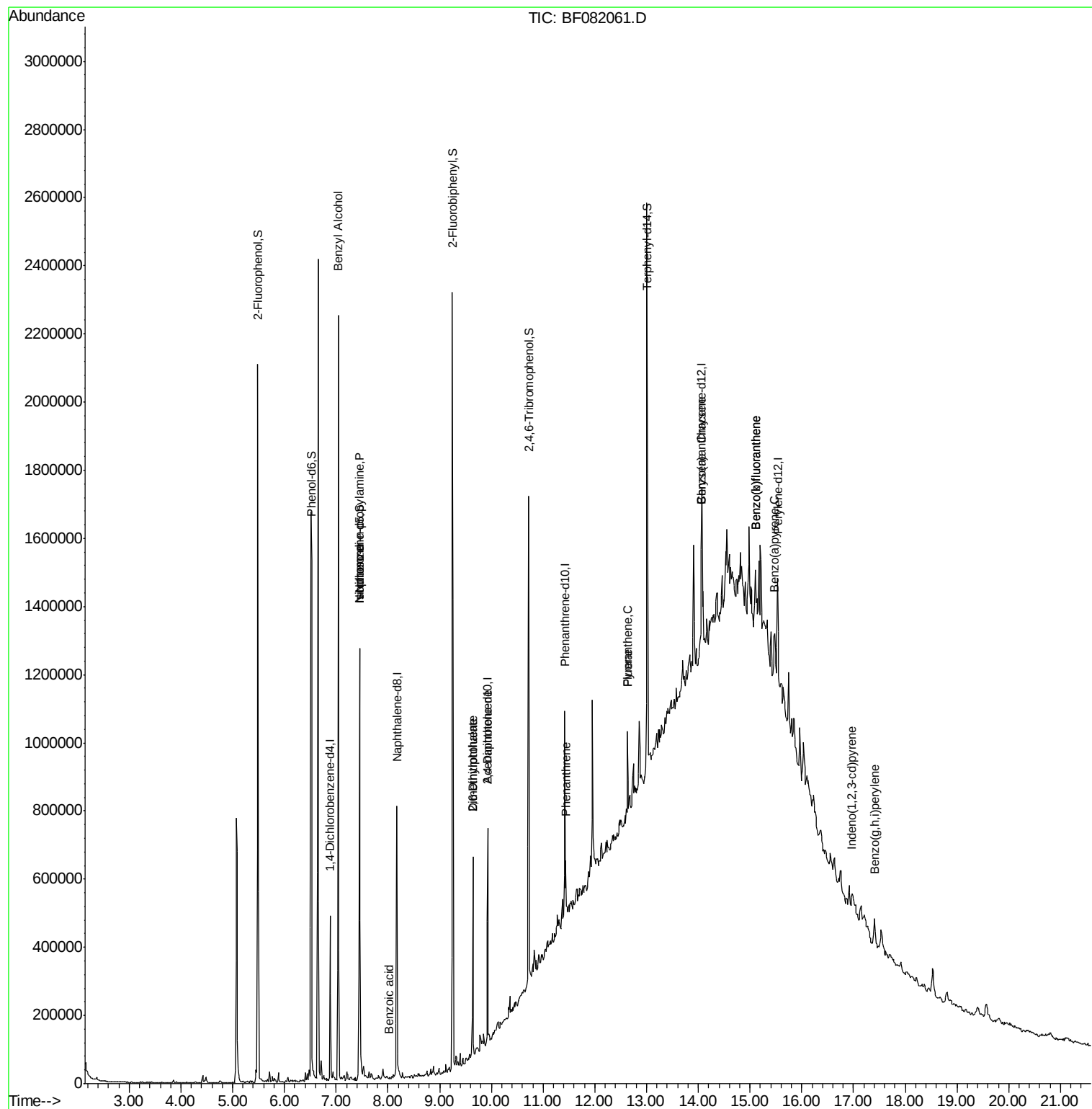
Target Compounds						Qvalue	
15) Benzyl Alcohol	7.04	79	11636	2.51	ng	#	34
19) n-Nitroso-di-n-propylamine	7.45	70	69868	17.93	ng	#	58
25) Isophorone	7.45	82	438356	40.12	ng	#	59
32) Benzoic acid	8.02	122	245	7.41	ng	#	37
49) Dimethylphthalate	9.65	163	231392	21.78	ng	#	97
50) 2,6-Dinitrotoluene	9.65	165	5051	2.19	ng	#	22
56) 2,4-Dinitrotoluene	9.93	165	19936	6.78	ng	#	35
57) Fluorene	10.48	166	3785	Below	Cal	#	61
70) Phenanthrene	11.44	178	52941	2.87	ng	#	94
73) Di-n-butylphthalate	11.98	149	13773	Below	Cal	#	67
74) Fluoranthene	12.63	202	127846	9.60	ng		90
77) Pvrene	12.63	202	126182	10.73	ng		95
80) Benzo(a)anthracene	14.06	228	75139	7.09	ng	#	85
82) Chrysene	14.06	228	74940	6.35	ng	#	87
85) Indeno(1,2,3-cd)pyrene	16.97	276	41902	5.05	ng	#	77
87) Benzo(b)fluoranthene	15.11	252	133625	17.45	ng		96
88) Benzo(k)fluoranthene	15.11	252	133625	19.03	ng		95
89) Benzo(a)pyrene	15.46	252	58575	8.82	ng	#	87
91) Benzo(a,h,i)perylene	17.41	276	45345	7.94	ng	#	78

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

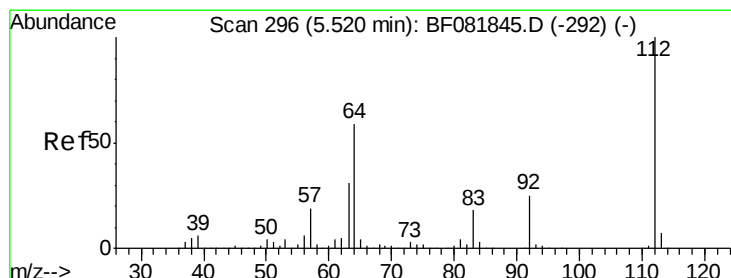
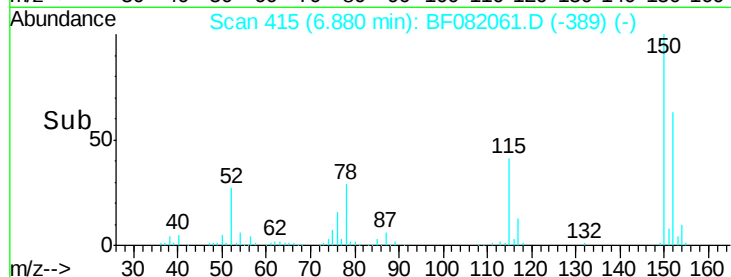
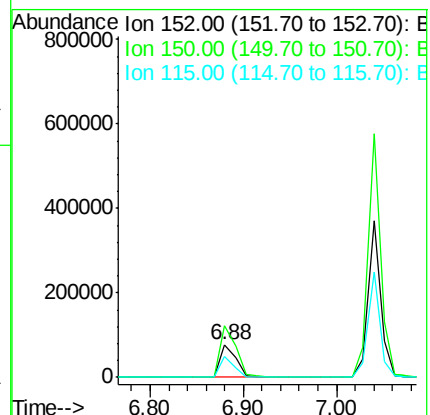
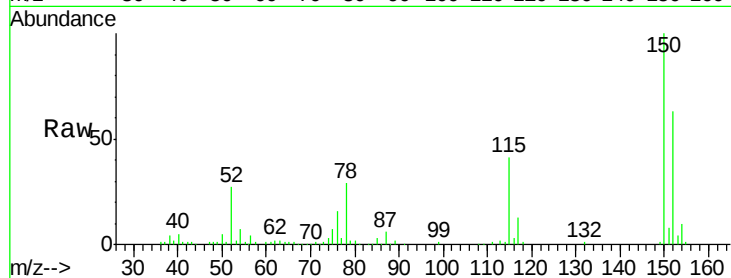
Tot Ion:152 Resp: 92504

Ion Ratio Lower Upper

152 100

150 158.3 124.7 187.1

115 64.9 39.0 58.4#



#5

2-Fluorophenol

Concen: 134.74 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

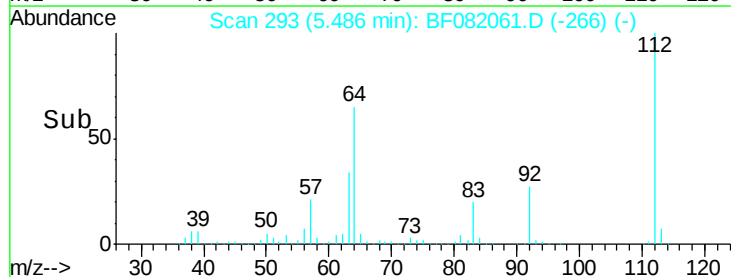
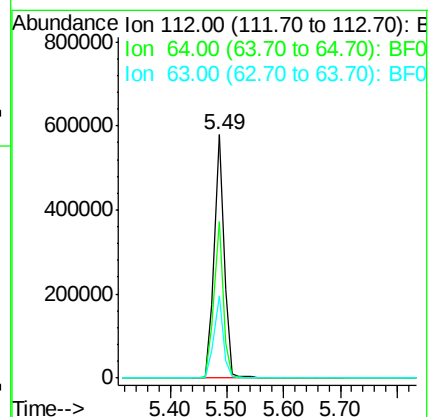
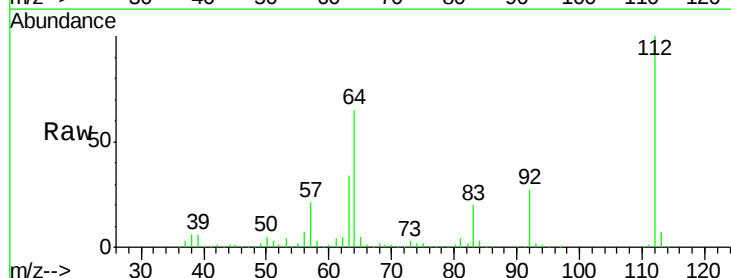
Tgt Ion:112 Resp: 686589

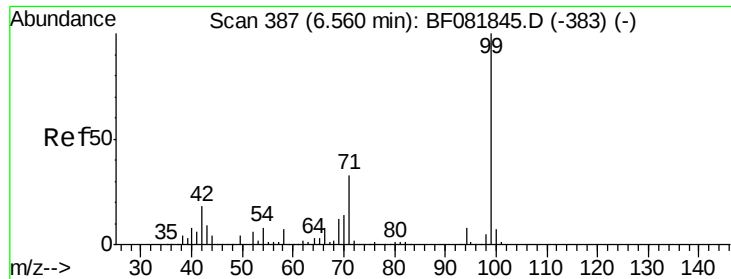
Ion Ratio Lower Upper

112 100

64 64.5 39.7 59.5#

63 33.9 17.4 26.0#





#7

Phenol-d6

Concen: 151.63 ng

RT: 6.53 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

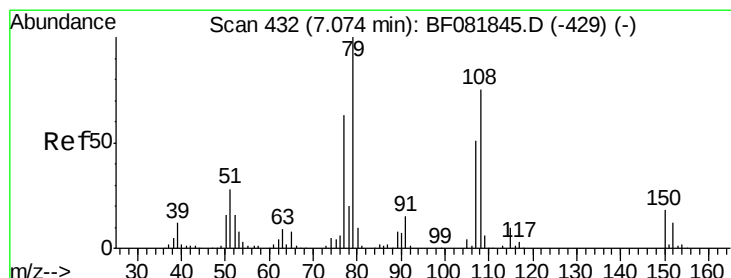
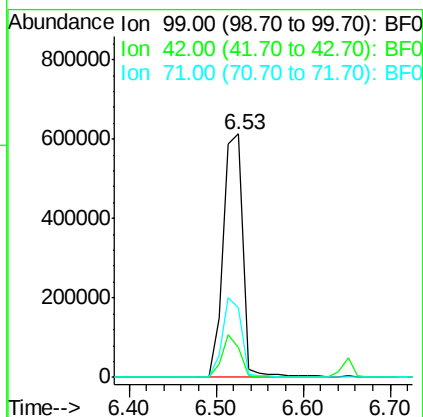
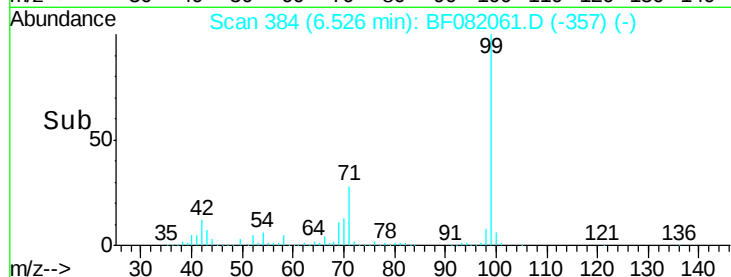
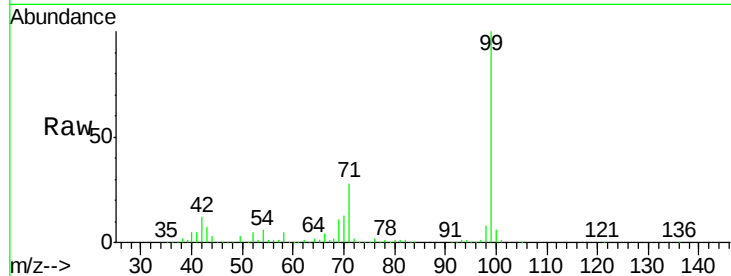
Tot Ion: 99 Resp: 972292

Ion Ratio Lower Upper

99 100

42 12.4 13.7 20.5#

71 28.4 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

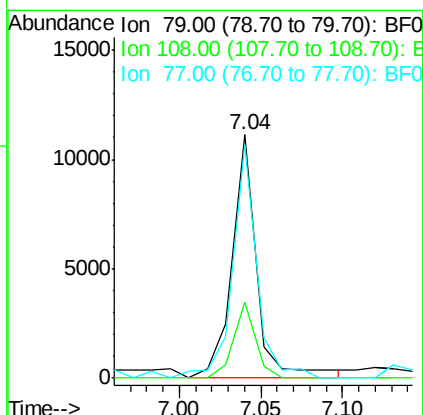
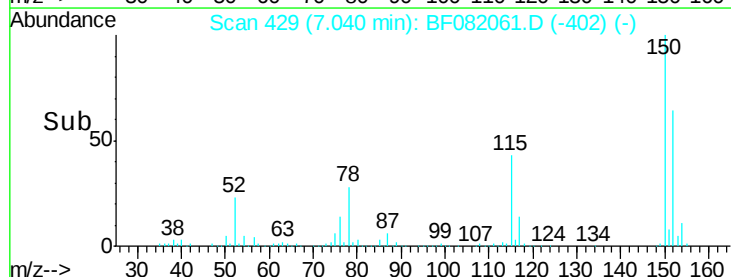
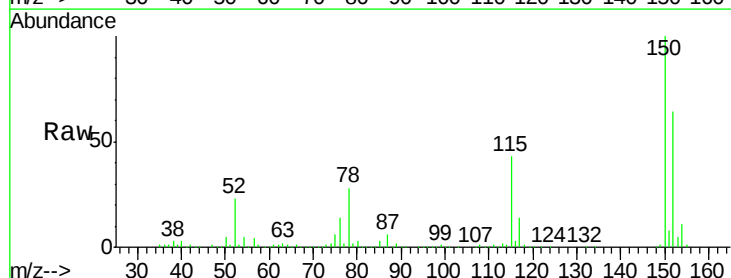
Tgt Ion: 79 Resp: 11636

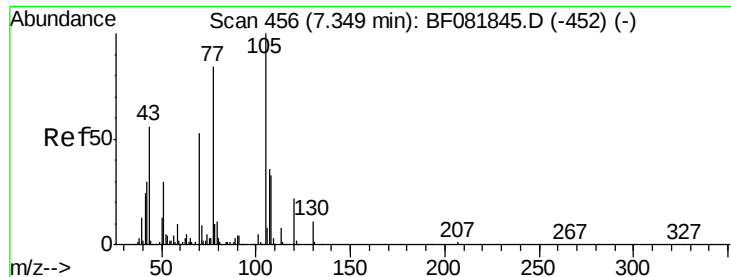
Ion Ratio Lower Upper

79 100

108 31.4 88.6 132.8#

77 95.7 47.0 70.4#

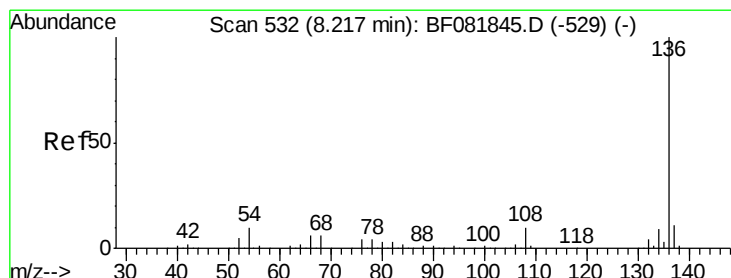
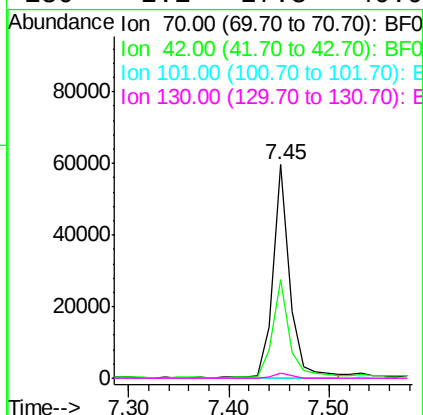
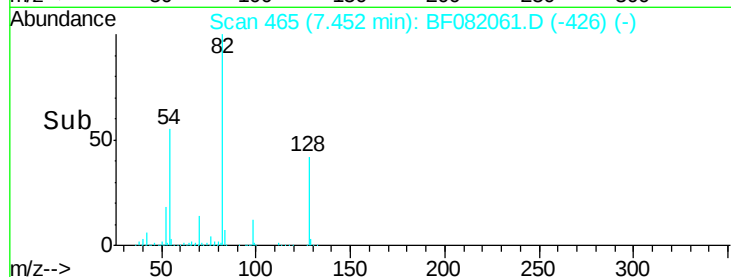
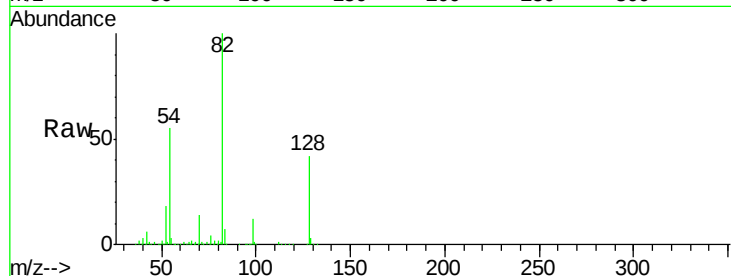




#19
n-Nitroso-di-n-propylamine
Concen: 17.93 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

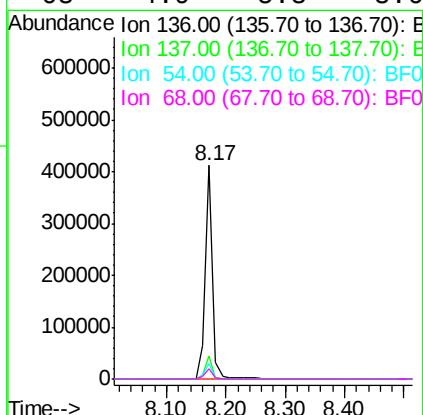
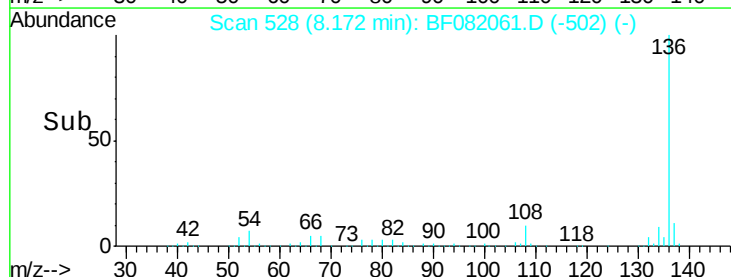
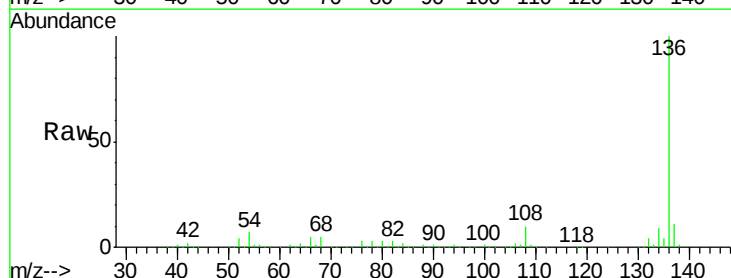
Instrument :
BNA_F
ClientSampleId :
SS-8(0-2)

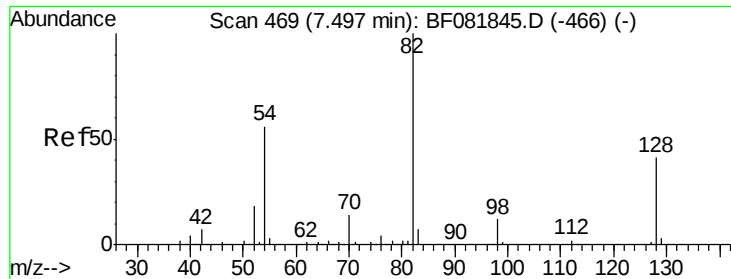
Tot Ion: 70 Resp: 69868
Ion Ratio Lower Upper
70 100
42 46.4 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

Tgt Ion:136 Resp: 367504
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.3 8.2 12.2#
68 4.9 5.8 8.6#

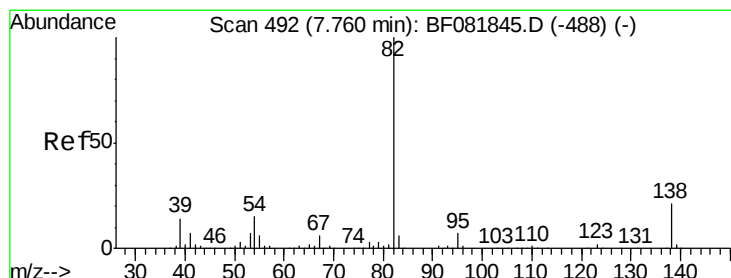
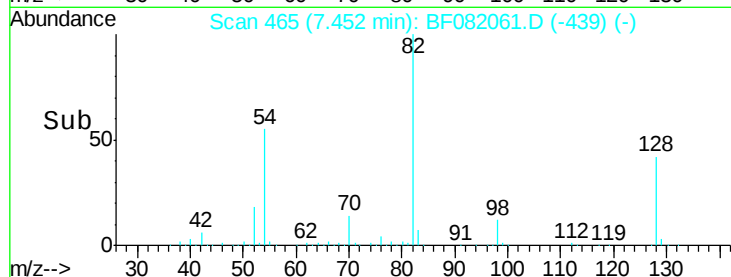
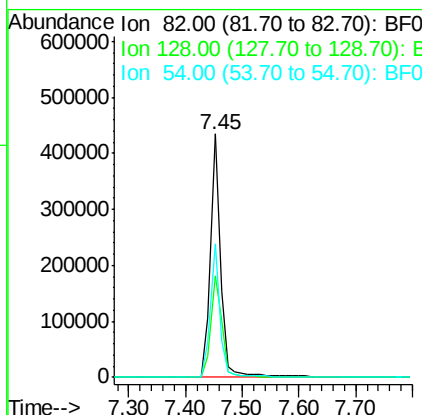
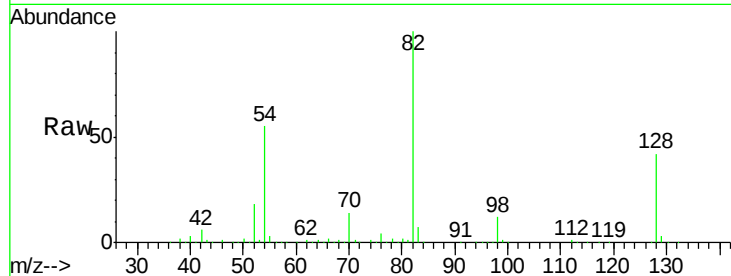




#23
 Nitrobenzene-d5
 Concen: 96.30 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

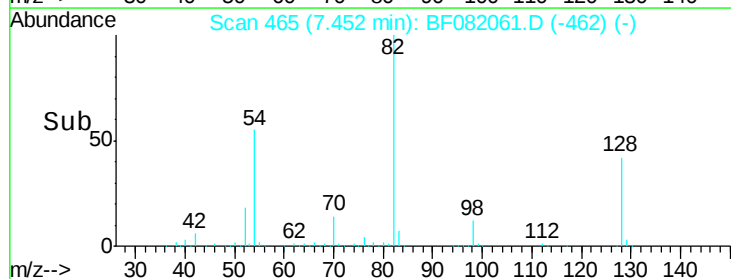
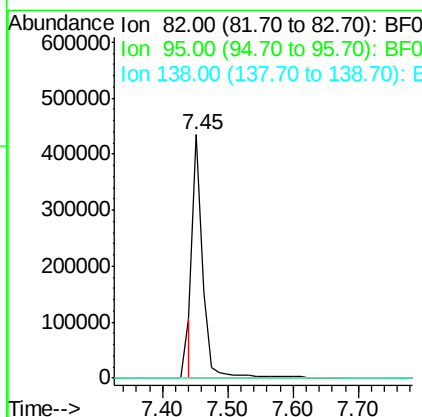
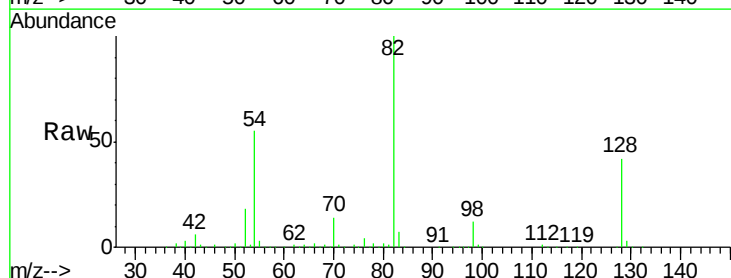
Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

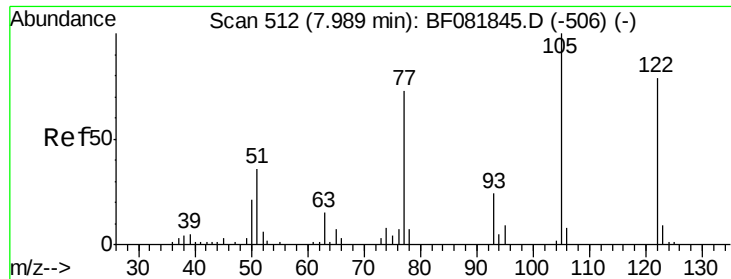
Tot Ion: 82 Resp: 530904
 Ion Ratio Lower Upper
 82 100
 128 41.7 51.0 76.6#
 54 54.9 47.5 71.3



#25
 Isophorone
 Concen: 40.12 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.26 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Tgt Ion: 82 Resp: 438356
 Ion Ratio Lower Upper
 82 100
 95 0.1 4.0 6.0#
 138 0.0 18.3 27.5#

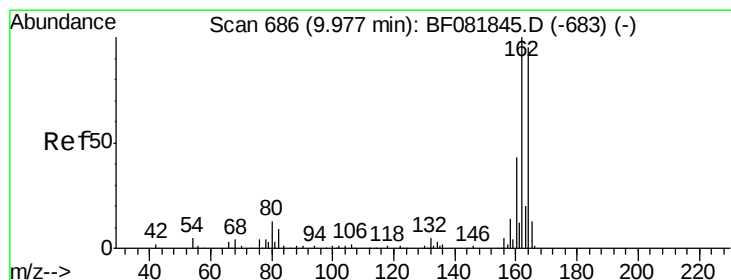
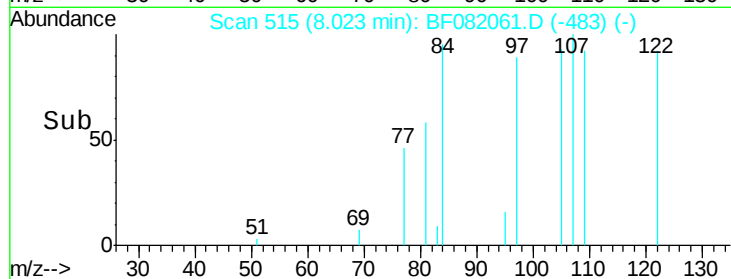
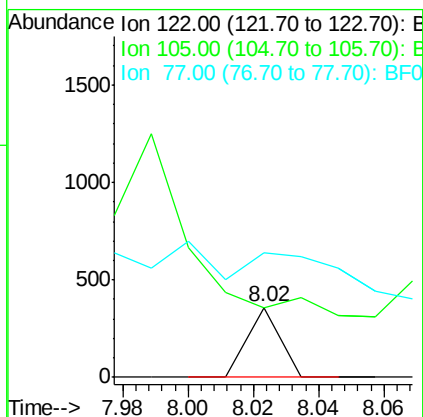
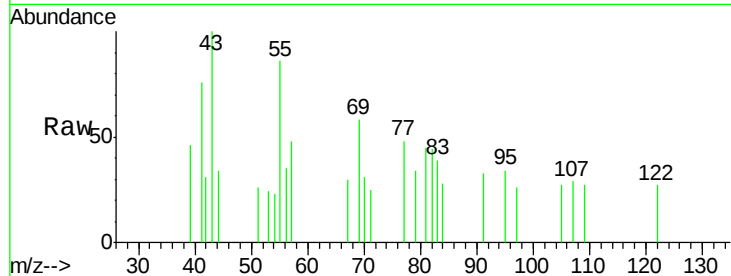




#32
Benzoic acid
Concen: 7.41 ng
RT: 8.02 min Scan# 515
Delta R.T. 0.07 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

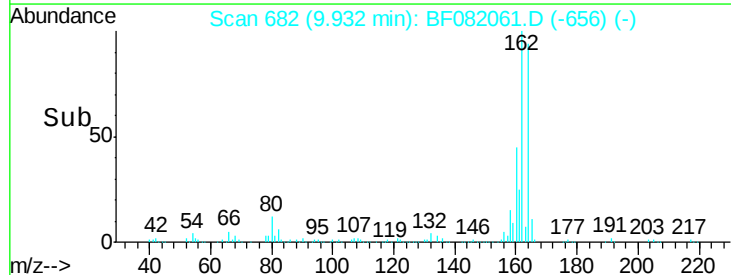
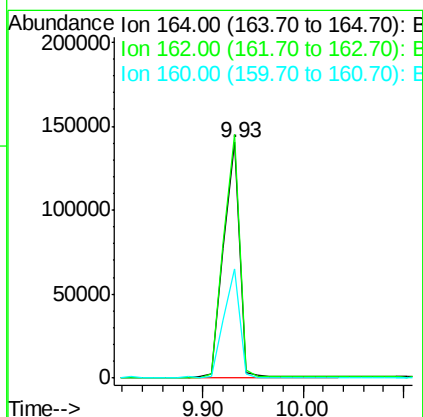
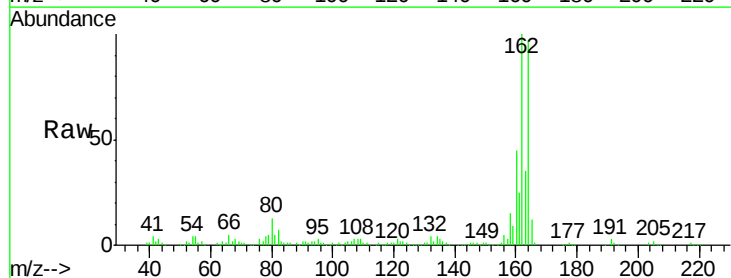
Instrument :
BNA_F
ClientSampleId :
SS-8(0-2)

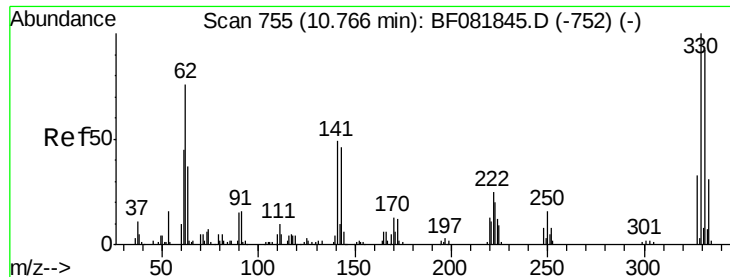
Tot Ion:122 Resp: 245
Ion Ratio Lower Upper
122 100
105 100.6 76.1 116.1
77 178.2 40.5 80.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

Tgt Ion:164 Resp: 153941
Ion Ratio Lower Upper
164 100
162 103.5 75.2 112.8
160 46.3 31.5 47.3

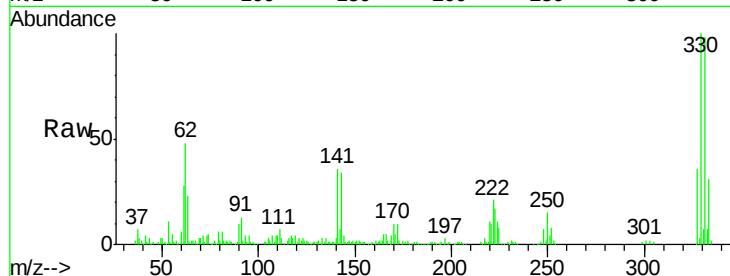




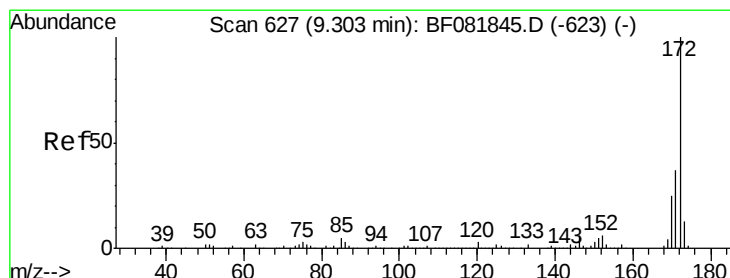
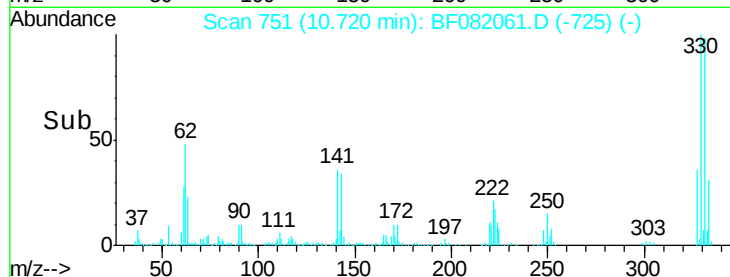
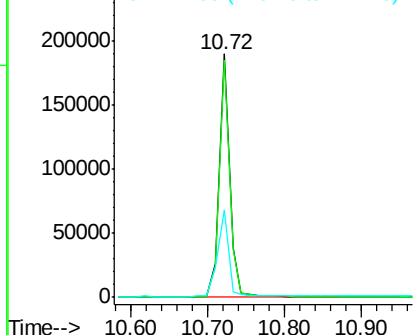
#41
 2,4,6-Tribromophenol
 Concen: 117.91 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

Tot Ion:330 Resp: 183823
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 37.3 29.7 44.5

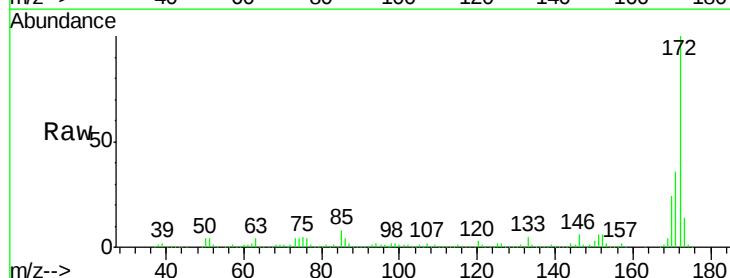


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

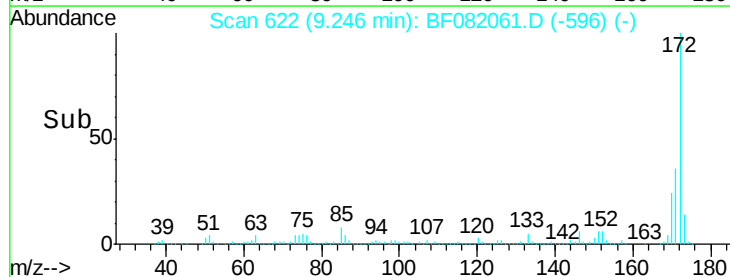
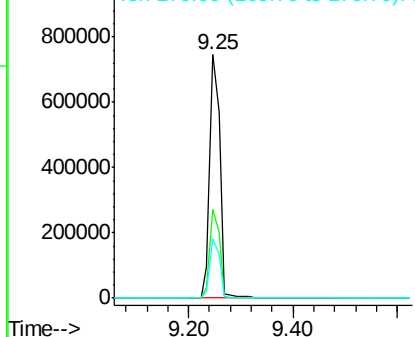


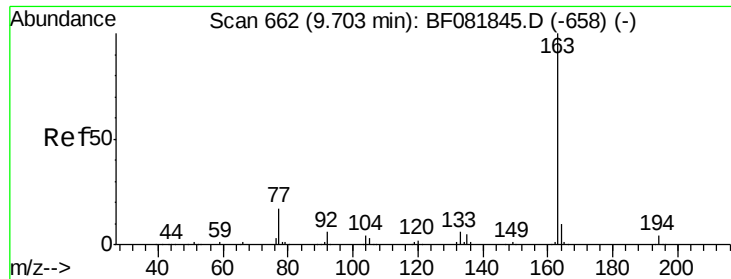
#44
 2-Fluorobiphenyl
 Concen: 118.60 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Tgt Ion:172 Resp: 1008810
 Ion Ratio Lower Upper
 172 100
 171 36.2 26.1 39.1
 170 24.4 17.4 26.2



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: 21.78 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

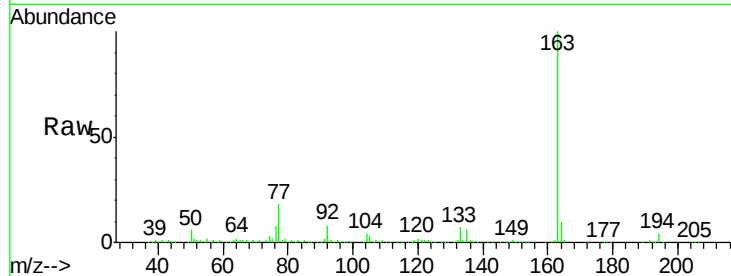
Tot Ion:163 Resp: 231392

Ion Ratio Lower Upper

163 100

194 3.6 4.4 6.6#

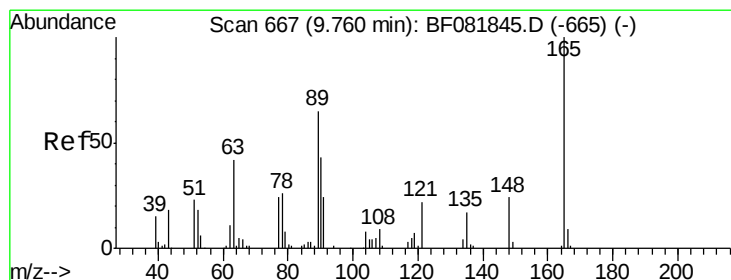
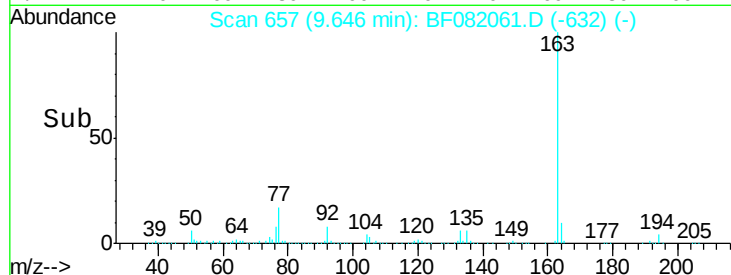
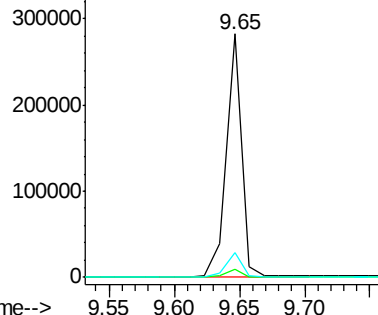
164 10.0 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 2.19 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.08 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

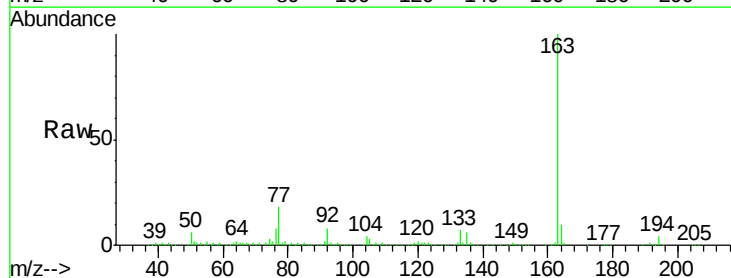
Tgt Ion:165 Resp: 5051

Ion Ratio Lower Upper

165 100

63 128.4 32.3 48.5#

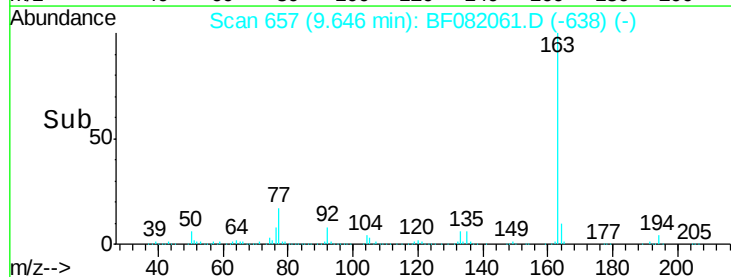
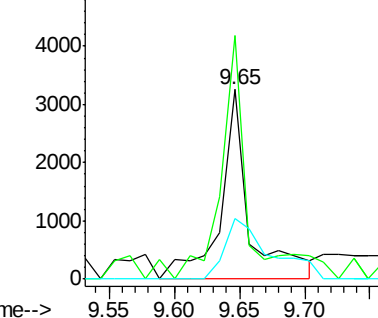
89 31.7 28.6 43.0

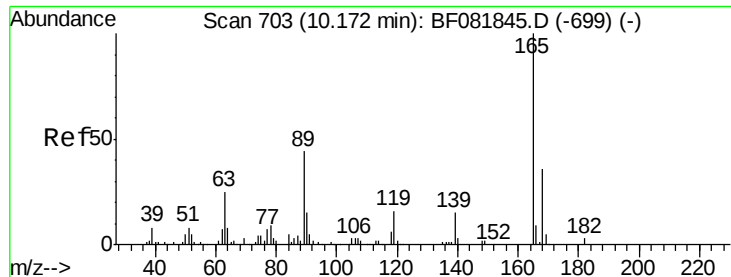


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

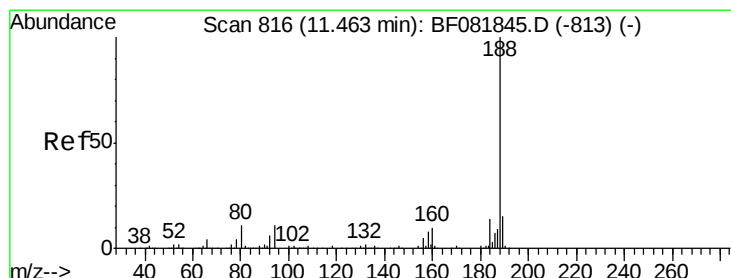
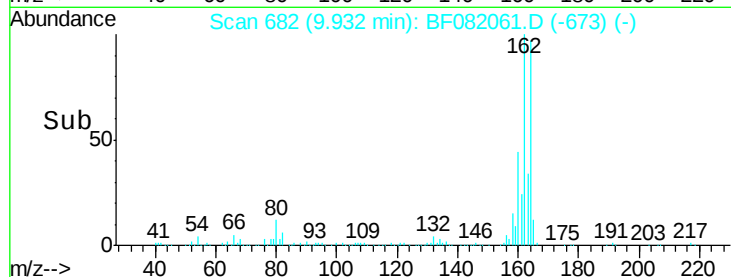
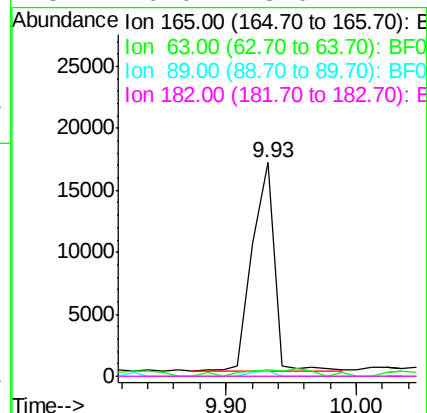
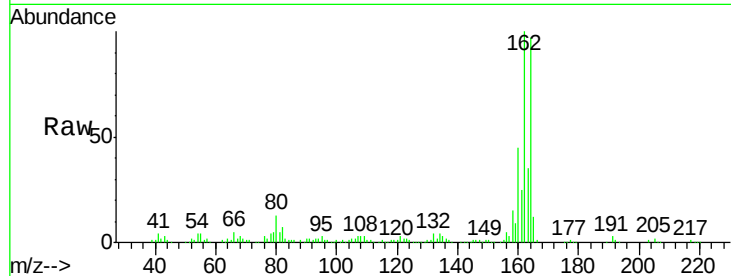




#56
 2,4-Dinitrotoluene
 Concen: 6.78 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

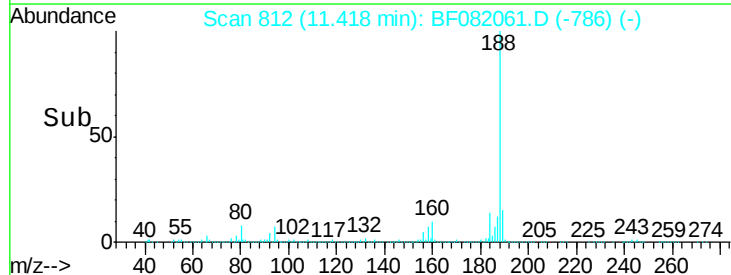
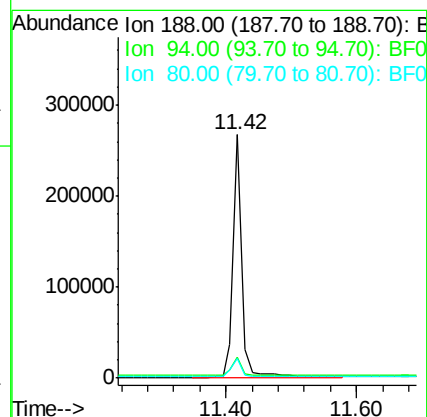
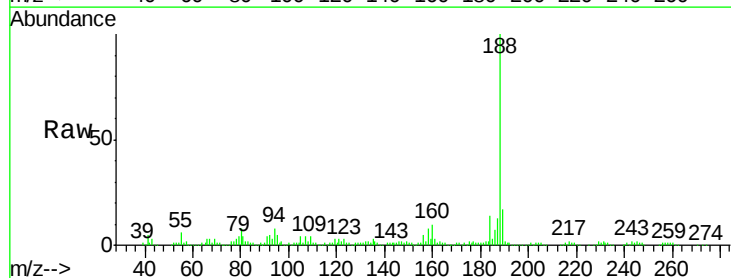
Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

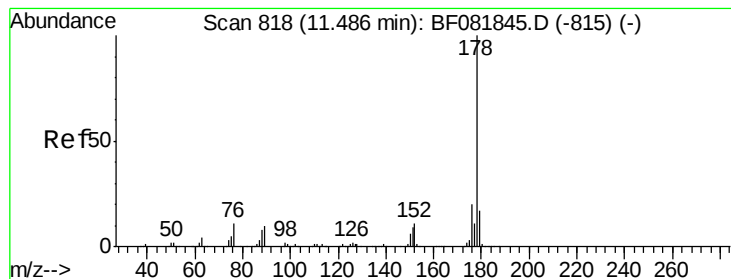
Tot Ion:	165	Resp:	19936
Ion	Ratio	Lower	Upper
165	100		
63	3.2	29.8	44.6#
89	2.4	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Tgt Ion:	188	Resp:	248605
Ion	Ratio	Lower	Upper
188	100		
94	8.3	11.1	16.7#
80	8.3	11.0	16.4#





#70

Phenanthrene

Concen: 2.87 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

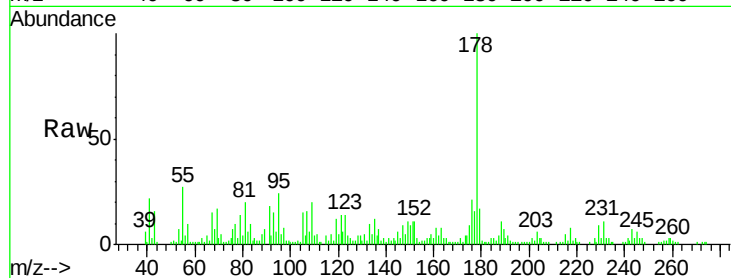
Tot Ion:178 Resp: 52941

Ion Ratio Lower Upper

178 100

176 21.3 13.8 20.8#

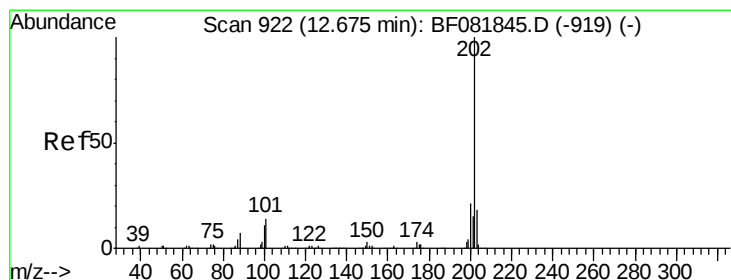
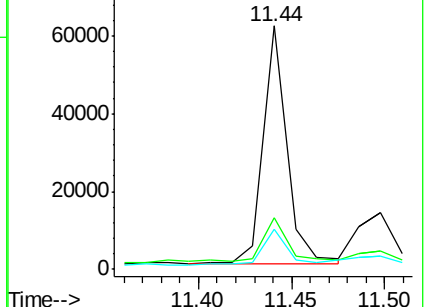
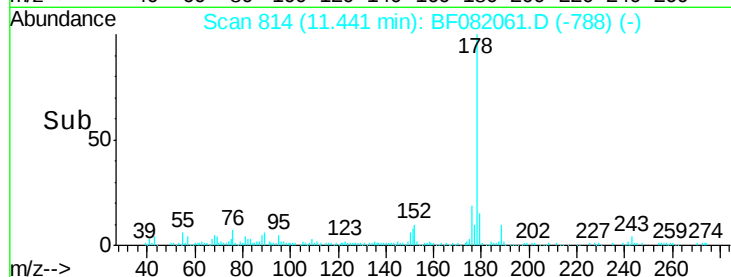
179 16.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.60 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

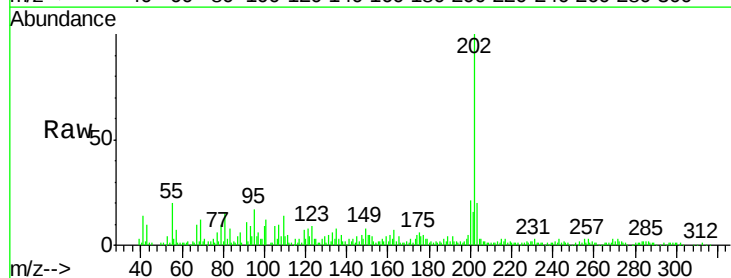
Tgt Ion:202 Resp: 127846

Ion Ratio Lower Upper

202 100

101 12.4 0.0 38.3

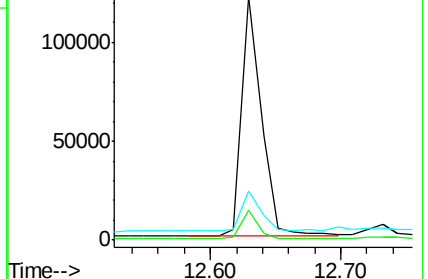
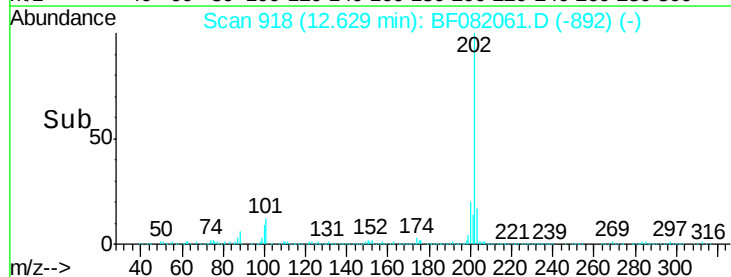
203 20.1 0.0 37.3

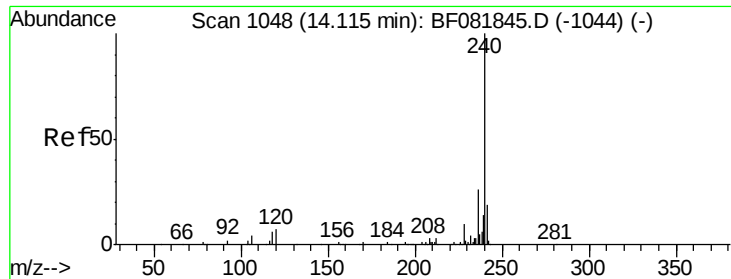


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

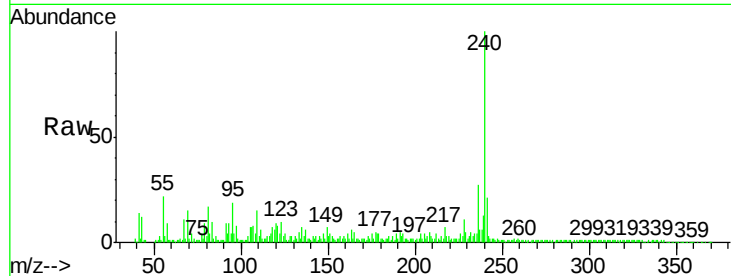
Tot Ion:240 Resp: 196795

Ion Ratio Lower Upper

240 100

120 9.4 16.2 24.2#

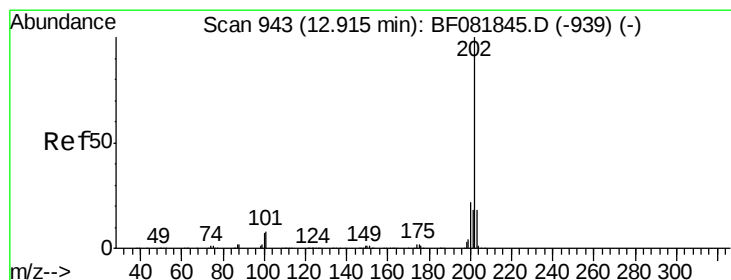
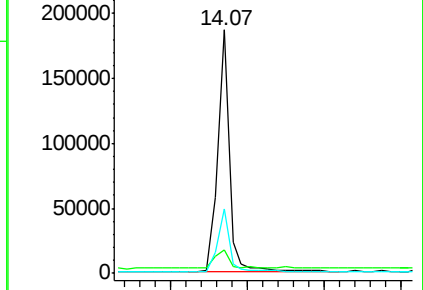
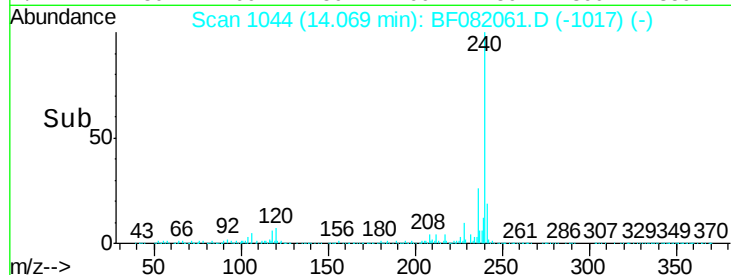
236 26.6 18.4 27.6



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: 10.73 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.23 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

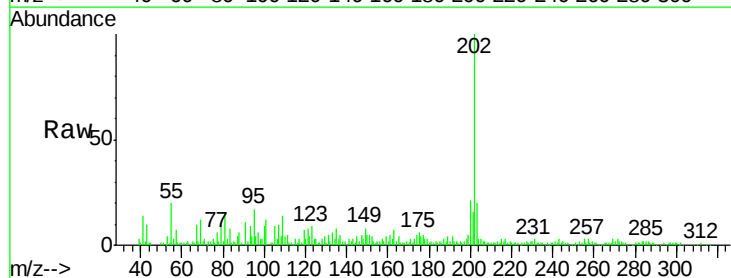
Tgt Ion:202 Resp: 126182

Ion Ratio Lower Upper

202 100

200 20.5 15.0 22.4

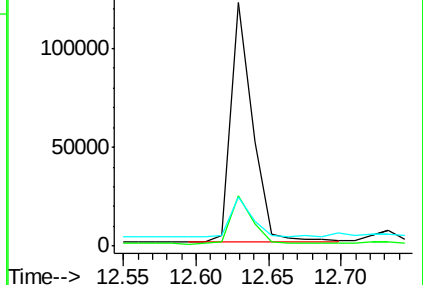
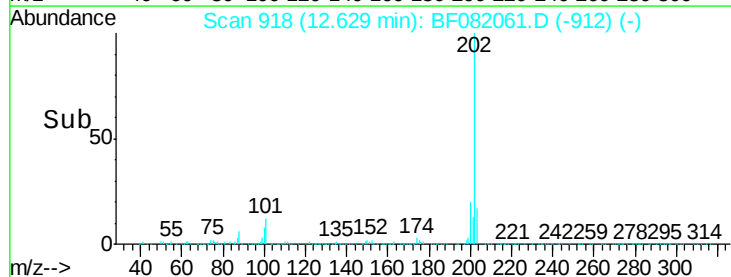
203 20.1 14.1 21.1

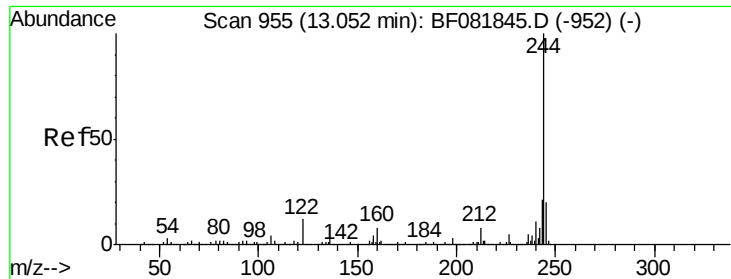


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

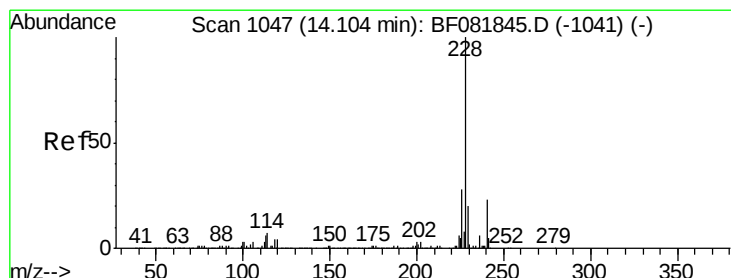
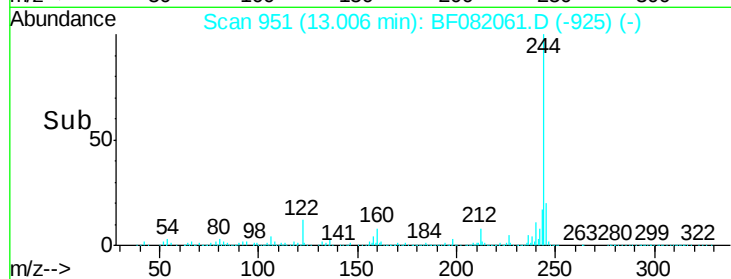
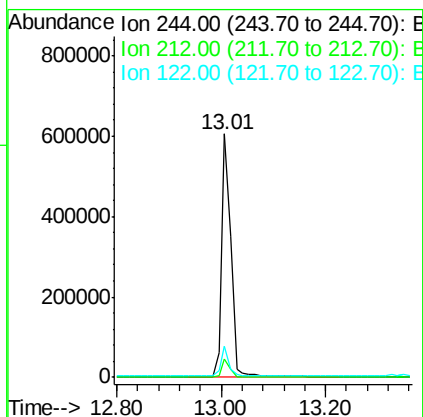
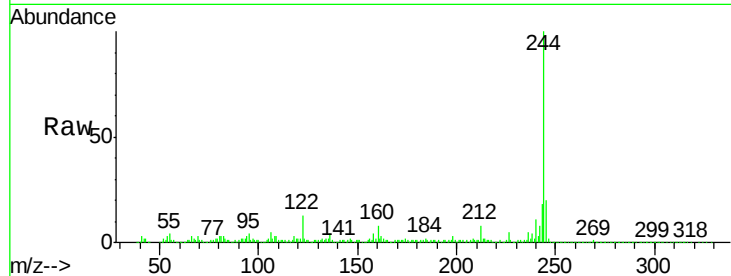




#78
 Terphenyl-d14
 Concen: 154.49 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

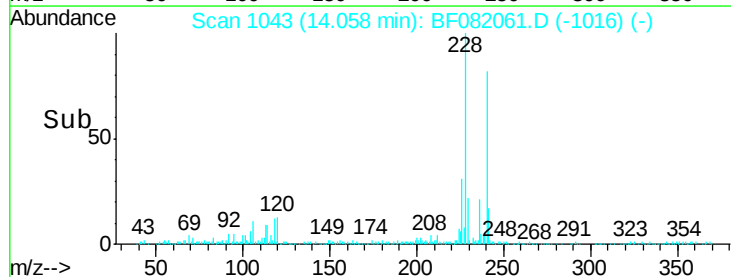
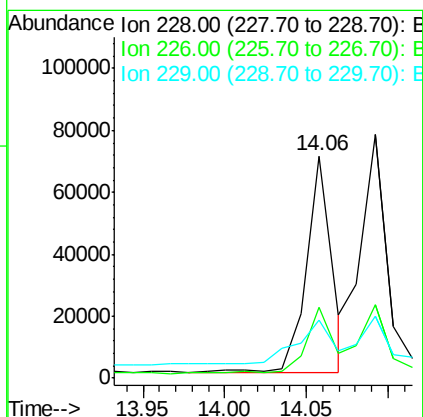
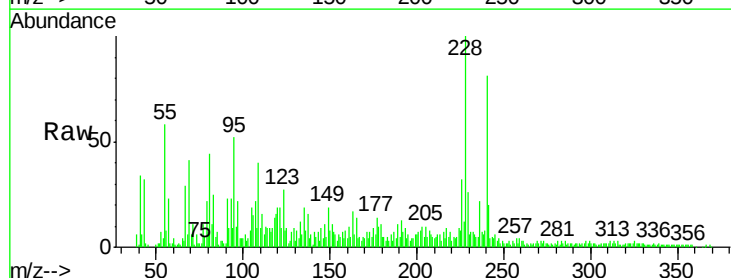
Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

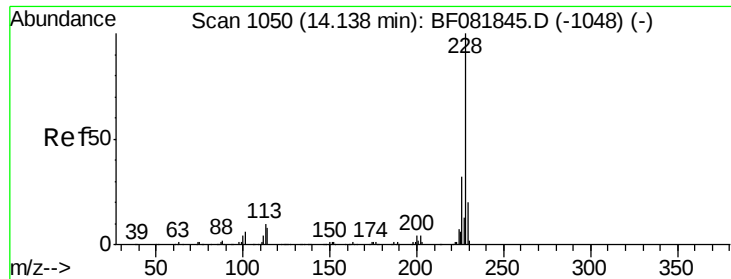
Tot Ion:244 Resp: 737955
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.3 6.5#
 122 12.9 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 7.09 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Tgt Ion:228 Resp: 75139
 Ion Ratio Lower Upper
 228 100
 226 32.0 20.0 30.0#
 229 26.4 15.4 23.2#





#82

Chrysene

Concen: 6.35 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

Instrument :

BNA_F

ClientSampleId :

SS-8(0-2)

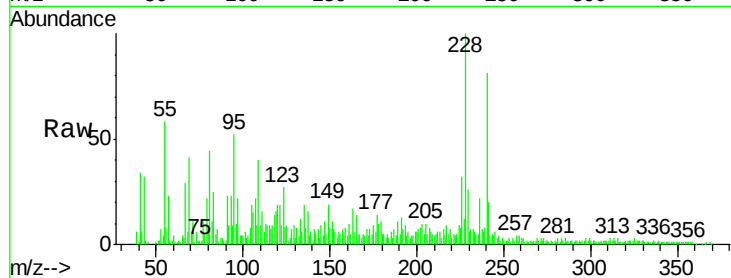
Tot Ion:228 Resp: 74940

Ion Ratio Lower Upper

228 100

226 32.0 21.0 31.4#

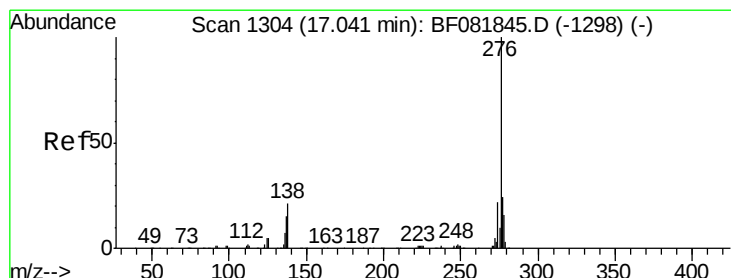
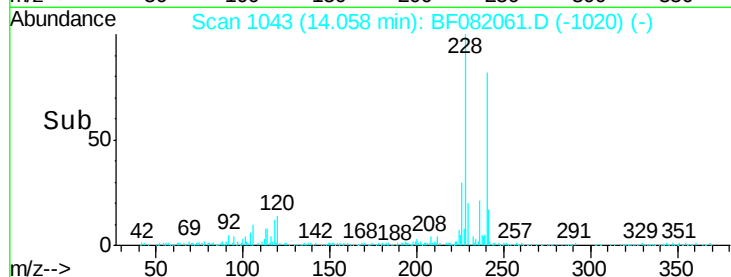
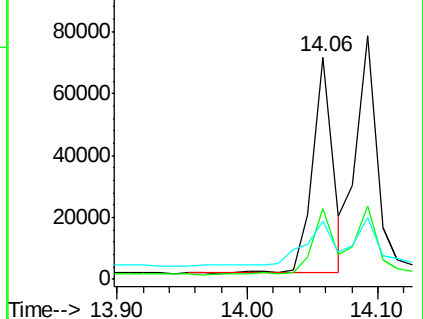
229 26.4 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.05 ng

RT: 16.97 min Scan# 1298

Delta R.T. 0.03 min

Lab File: BF082061.D

Acq: 5 Oct 2015 23:30

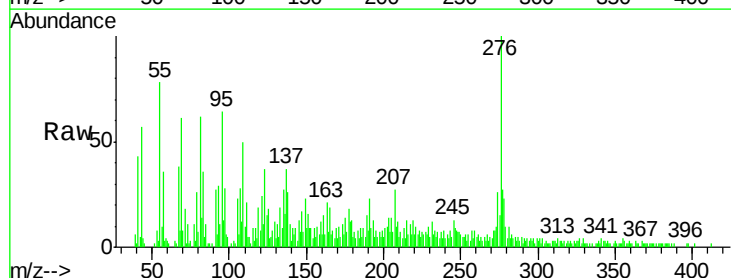
Tgt Ion:276 Resp: 41902

Ion Ratio Lower Upper

276 100

138 18.7 25.7 38.5#

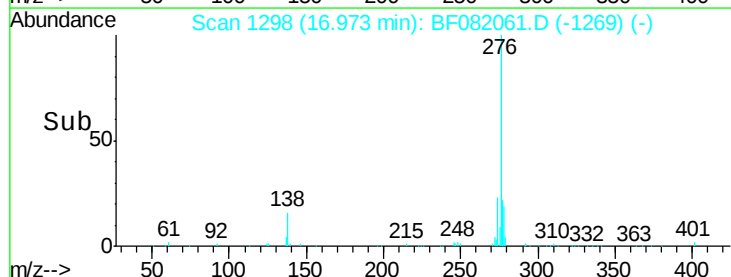
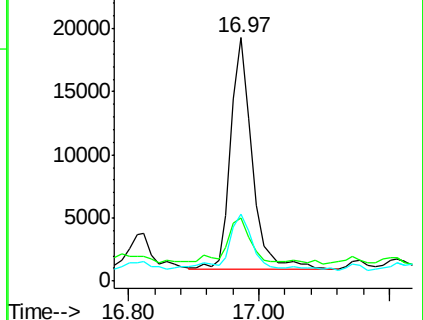
277 28.9 15.6 23.4#

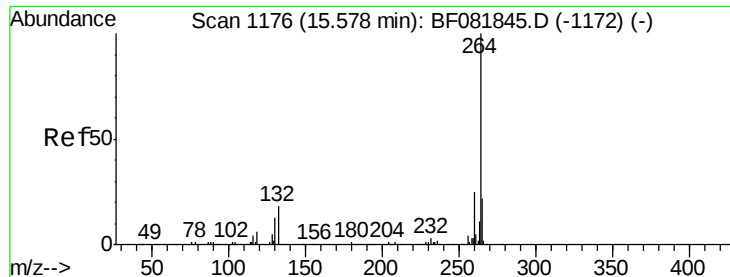


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

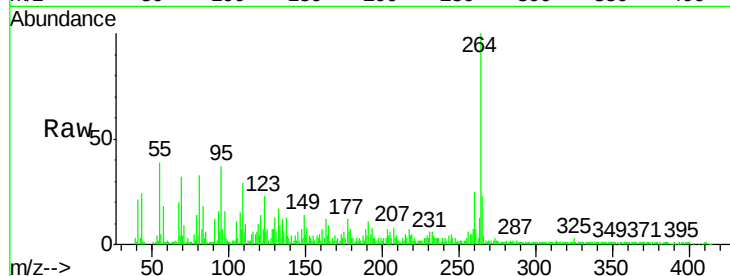




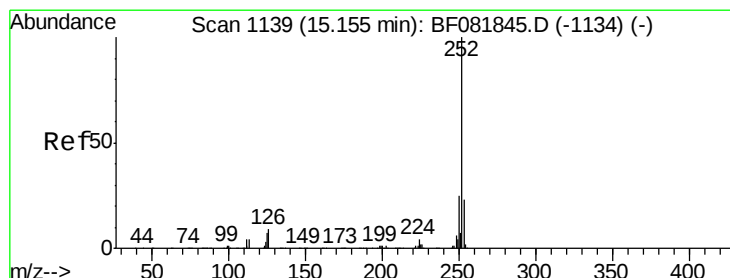
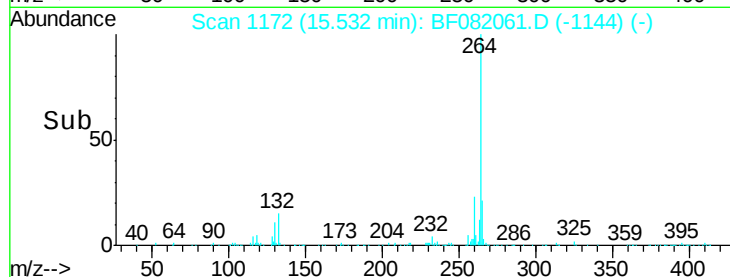
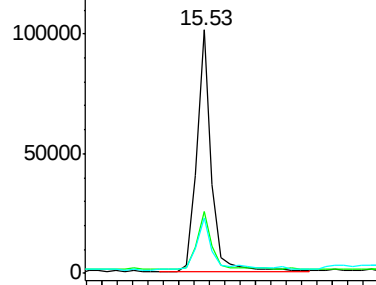
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. 0.02 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

Instrument :
BNA_F
ClientSampleId :
SS-8(0-2)

Tot Ion:264 Resp: 134161
Ion Ratio Lower Upper
264 100
260 25.3 16.7 25.1#
265 22.8 17.2 25.8

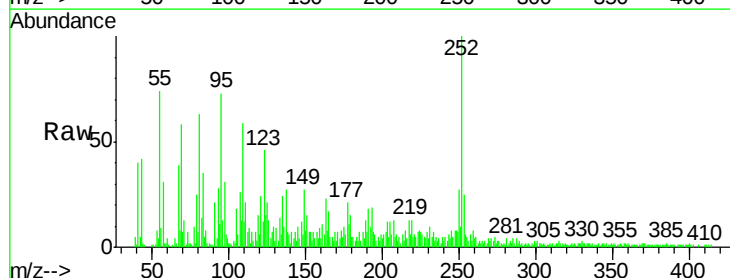


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

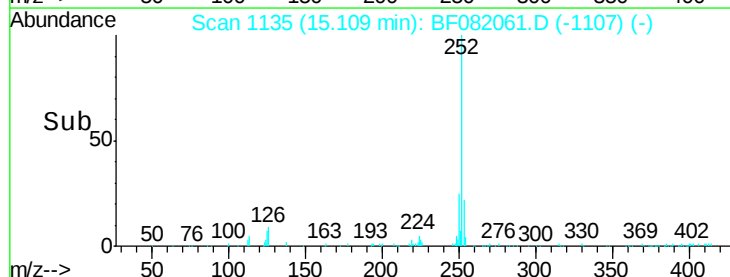
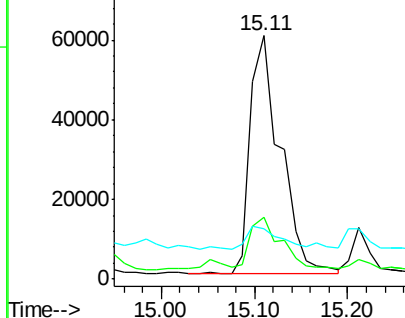


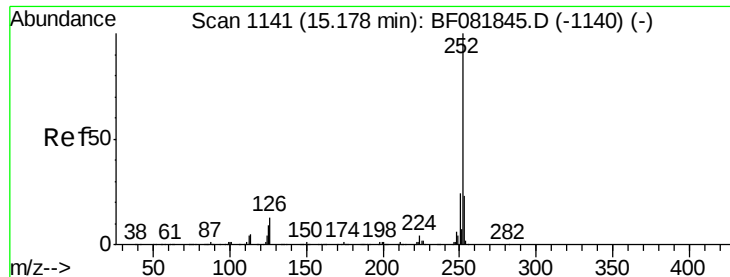
#87
Benzo(b)fluoranthene
Concen: 17.45 ng
RT: 15.11 min Scan# 1135
Delta R.T. 0.02 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

Tgt Ion:252 Resp: 133625
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 20.6 17.1 25.7



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

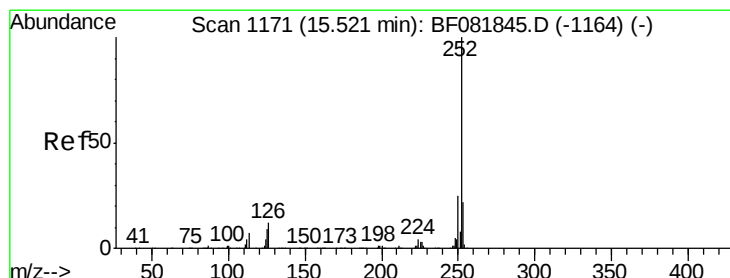
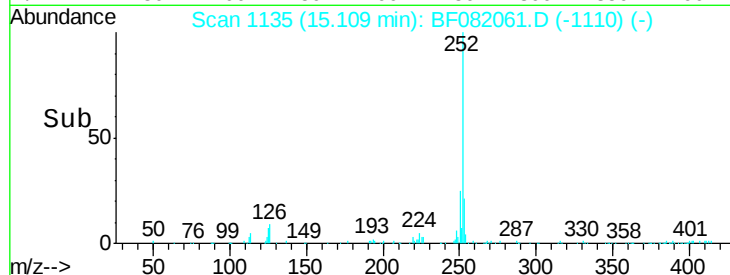
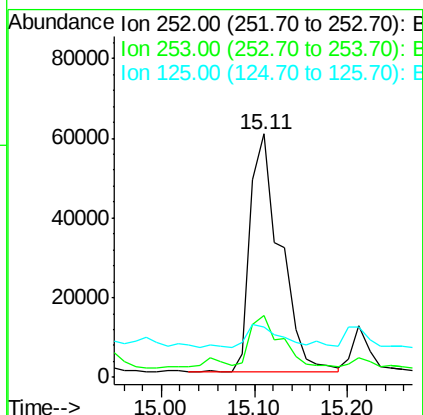
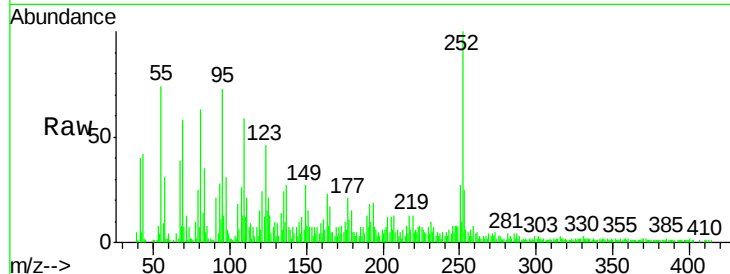




#88
Benzo(k)fluoranthene
Concen: 19.03 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

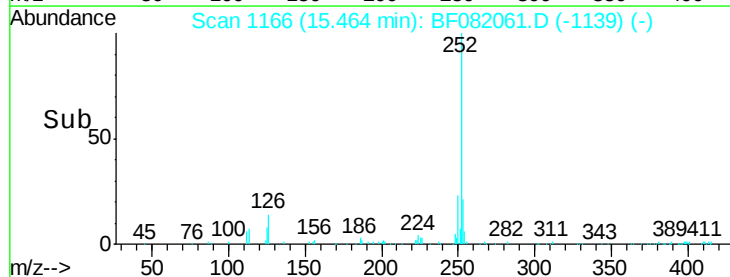
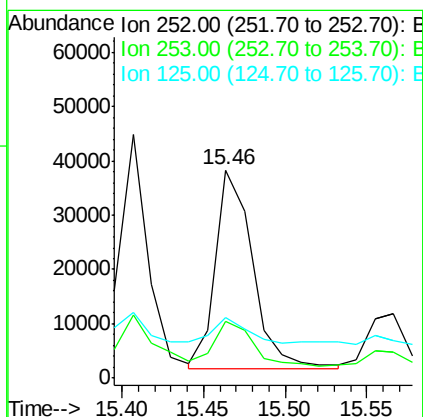
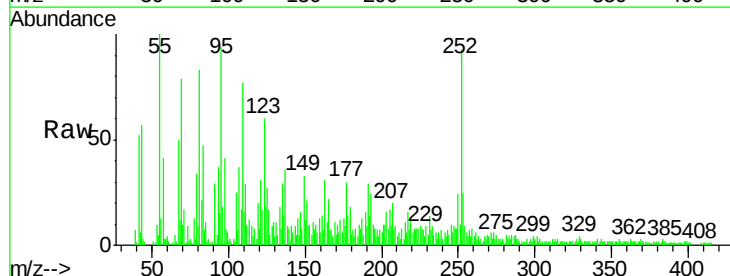
Instrument :
BNA_F
ClientSampleId :
SS-8(0-2)

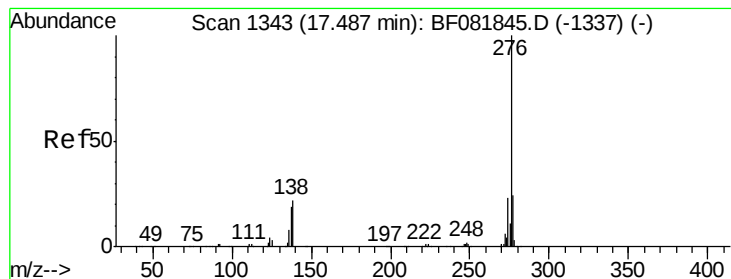
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.4
125	20.6	16.0	24.0



#89
Benzo(a)pyrene
Concen: 8.82 ng
RT: 15.46 min Scan# 1166
Delta R.T. 0.01 min
Lab File: BF082061.D
Acq: 5 Oct 2015 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.2	25.8#
125	28.8	18.0	27.0#

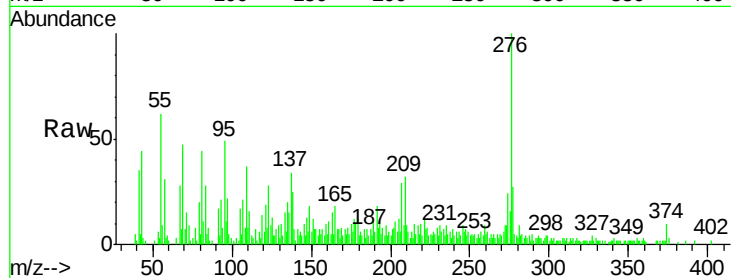




#91
 Benzo(a,h,i)perylene
 Concen: 7.94 ng
 RT: 17.41 min Scan# 1336
 Delta R.T. 0.03 min
 Lab File: BF082061.D
 Acq: 5 Oct 2015 23:30

Instrument :
 BNA_F
 ClientSampleId :
 SS-8(0-2)

Tot Ion: 276 Resp: 45345
 Ion Ratio Lower Upper
 276 100
 277 27.5 17.8 26.6#
 138 25.2 34.6 51.8#



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

