

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089079.D
 Acq On : 17 Jul 2016 15:42
 Operator : UM/SJ
 Sample : H4046-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 03:15:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

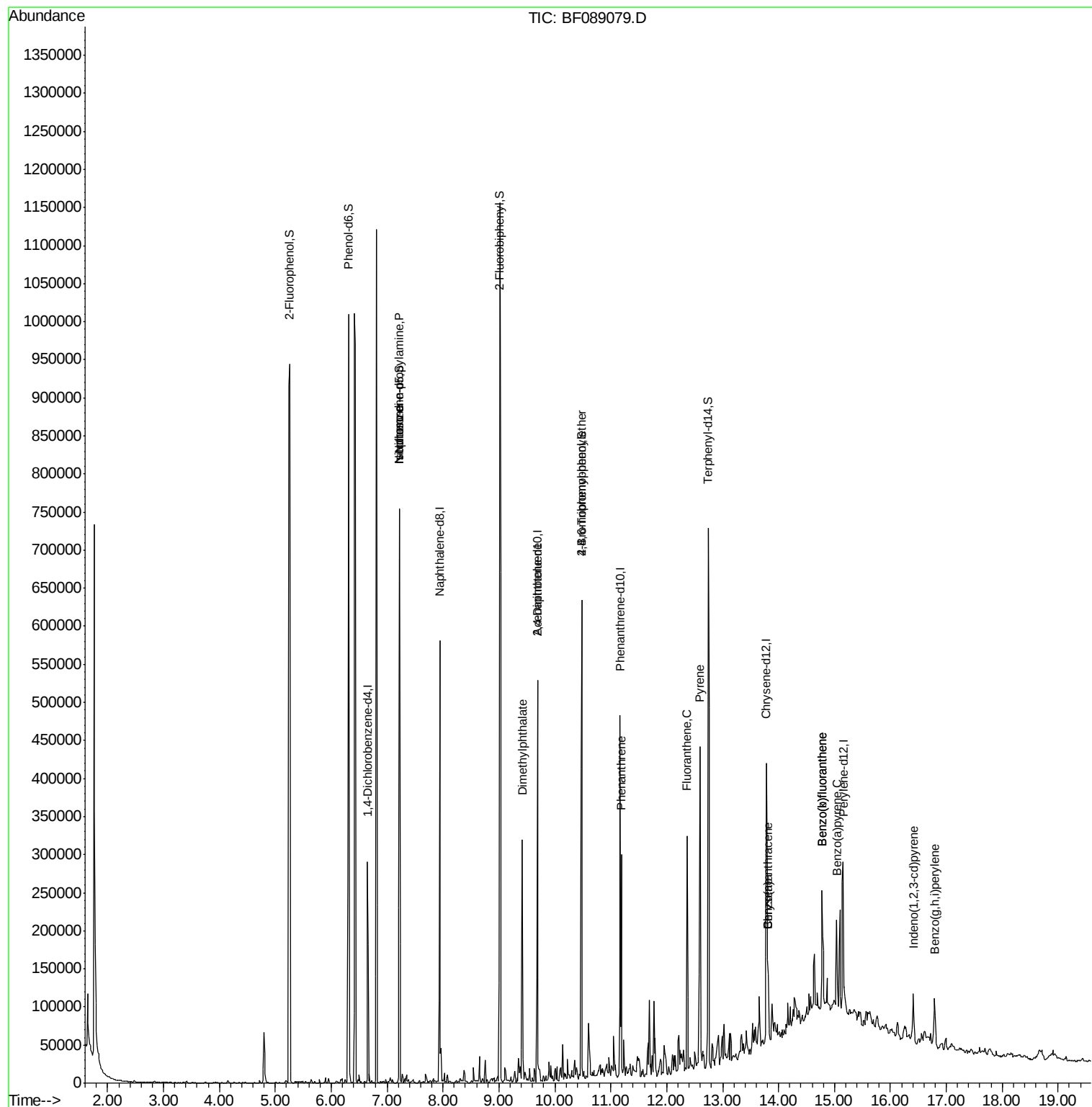
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	52262	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	229187	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	96894	20.00	ng	-0.06
63) Phenanthrene-d10	11.17	188	157956	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	104554	20.00	ng	-0.07
86) Perylene-d12	15.15	264	93977	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	393782	112.92	ng	-0.03
7) Phenol-d6	6.31	99	510639	113.33	ng	-0.05
23) Nitrobenzene-d5	7.22	82	282677	64.64	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	79144	87.96	ng	-0.06
44) 2-Fluorobiphenyl	9.02	172	458675	74.77	ng	-0.06
78) Terphenyl-d14	12.74	244	259549	55.29	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	38085	12.58	ng	# 74
25) Isophorone	7.22	82	226298	27.93	ng	# 65
49) Dimethylphthalate	9.42	163	108658	15.74	ng	99
56) 2,4-Dinitrotoluene	9.69	165	12979	6.49	ng	# 36
66) 4-Bromophenyl-phenylether	10.48	248	6400	4.02	ng	# 1
70) Phenanthrene	11.19	178	99796	11.56	ng	98
74) Fluoranthene	12.37	202	117556	13.43	ng	98
77) Pyrene	12.59	202	157111	17.72	ng	99
80) Benzo(a)anthracene	13.82	228	47991	7.13	ng	93
82) Chrysene	13.82	228	48943	7.35	ng	98
85) Indeno(1,2,3-cd)pyrene	16.41	276	37416	7.30	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	88214	14.96	ng	# 94
88) Benzo(k)fluoranthene	14.78	252	88214	17.19	ng	99
89) Benzo(a)pyrene	15.04	252	45365	9.09	ng	97
91) Benzo(a,h,i)perylene	16.79	276	46213	10.71	ng	99

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
Data File : BF089079.D
Acq On : 17 Jul 2016 15:42
Operator : UM/SJ
Sample : H4046-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 18 03:15:48 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration



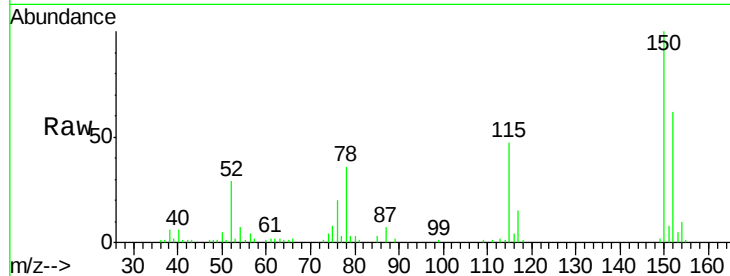


#1

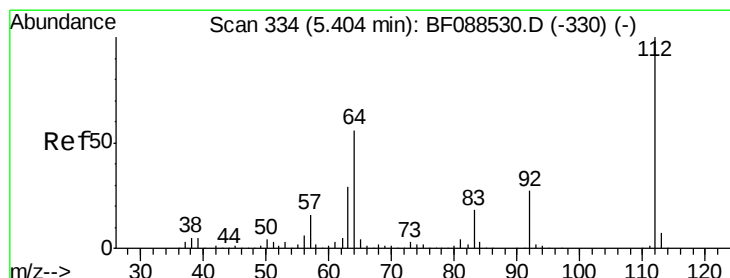
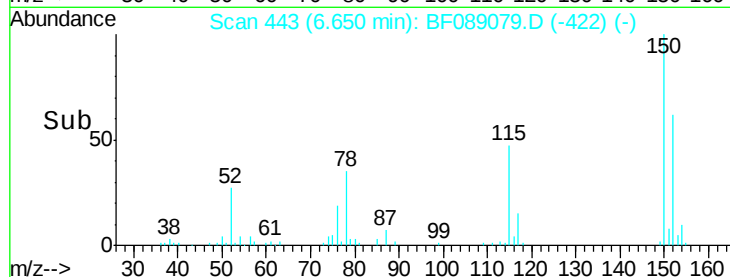
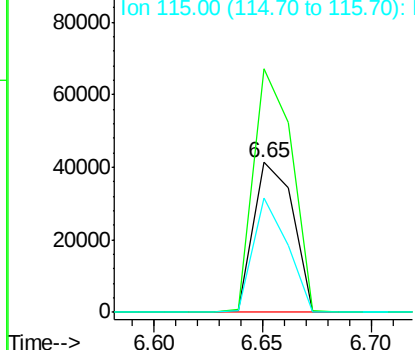
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 52262
Ion Ratio Lower Upper
152 100
150 162.5 123.8 185.6
115 76.2 39.6 59.4#



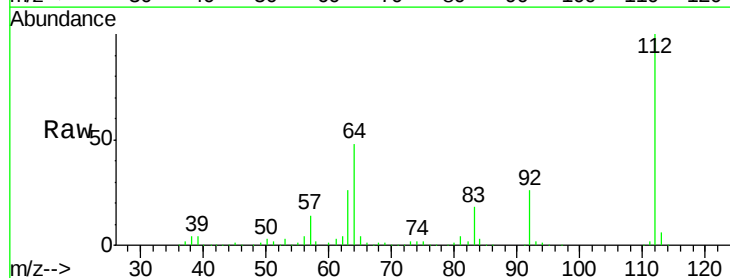
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



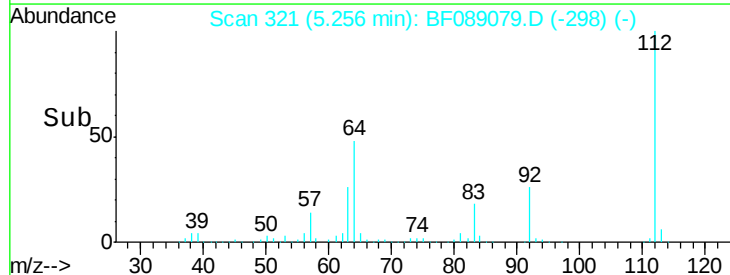
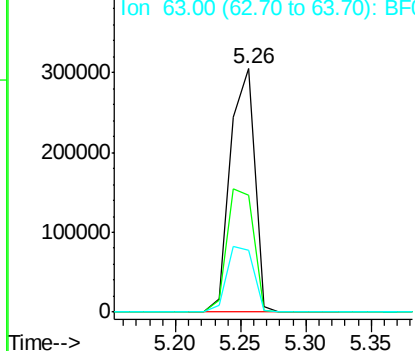
#5

2-Fluorophenol
Concen: 112.92 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:112 Resp: 393782
Ion Ratio Lower Upper
112 100
64 48.0 42.2 63.2
63 25.5 21.8 32.8



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: 113.33 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

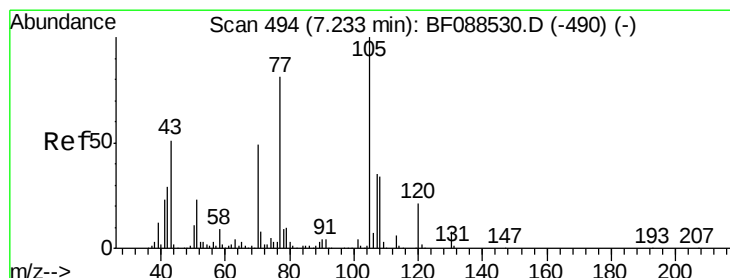
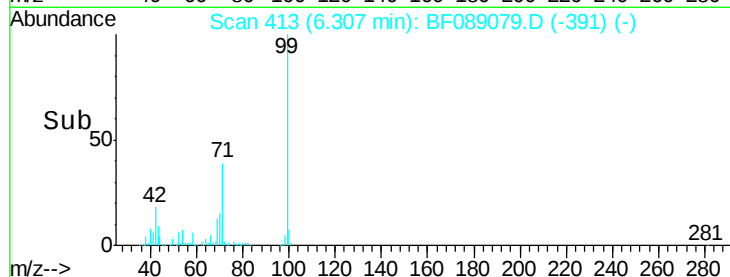
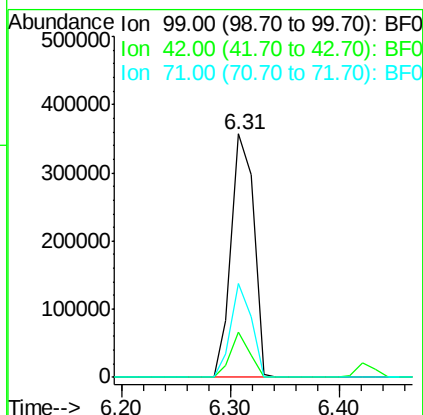
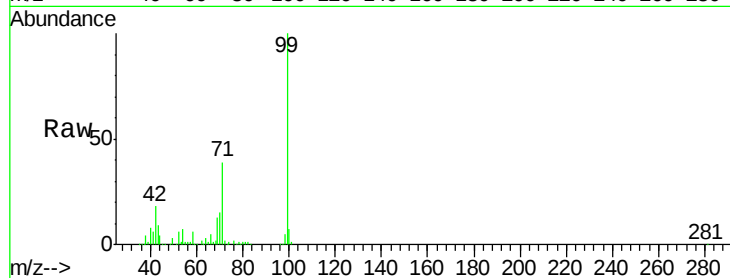
Tot Ion: 99 Resp: 510639

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 38.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.58 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.08 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Tgt Ion: 70 Resp: 38085

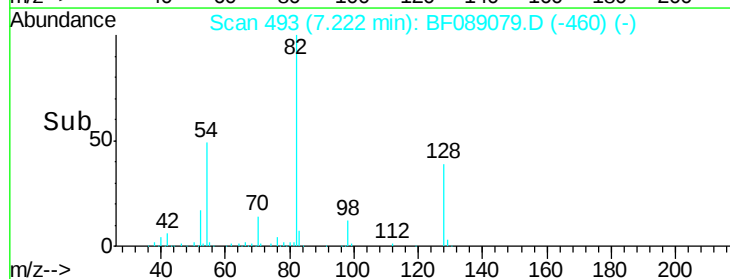
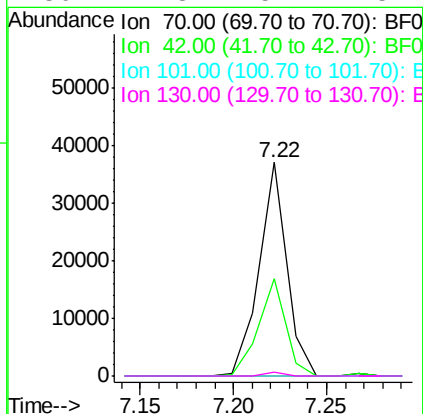
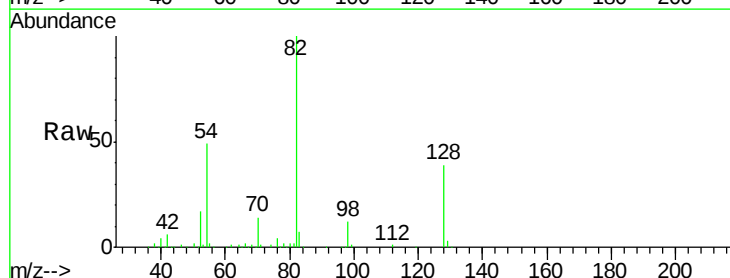
Ion Ratio Lower Upper

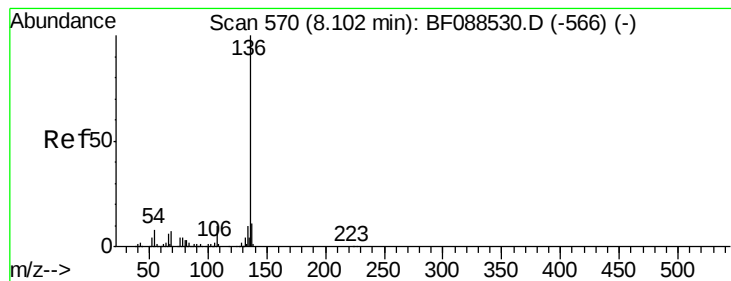
70 100

42 45.4 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 229187

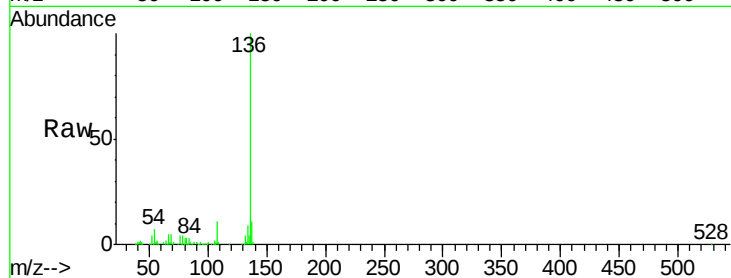
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.9 6.6 10.0

68 5.5 5.1 7.7

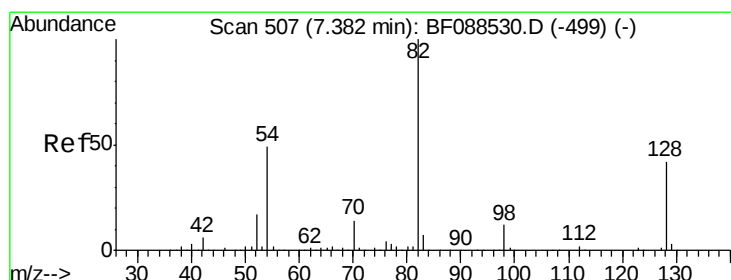
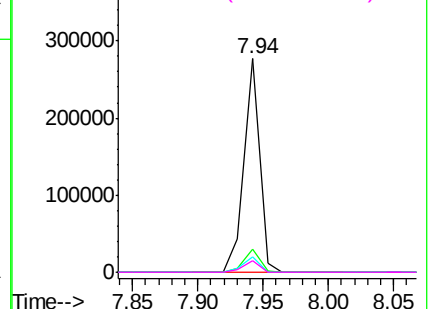
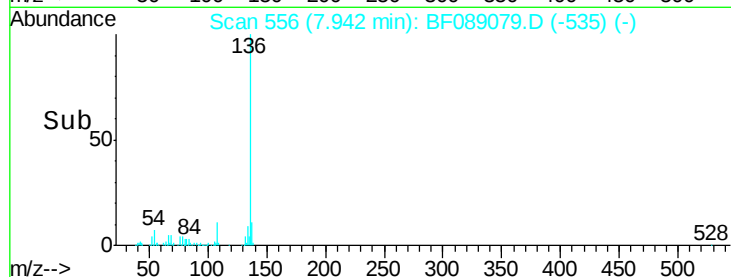


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.64 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

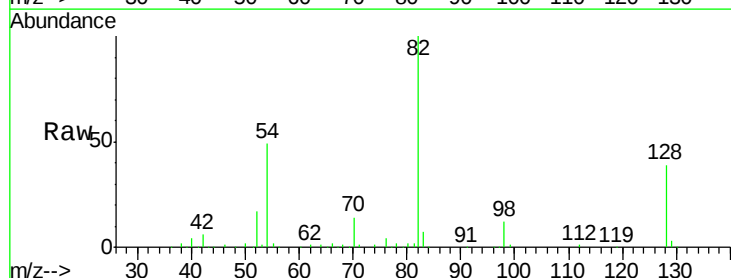
Tgt Ion: 82 Resp: 282677

Ion Ratio Lower Upper

82 100

128 39.2 35.9 53.9

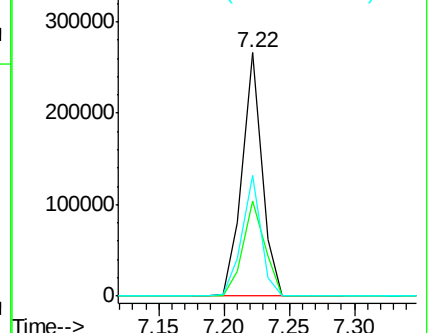
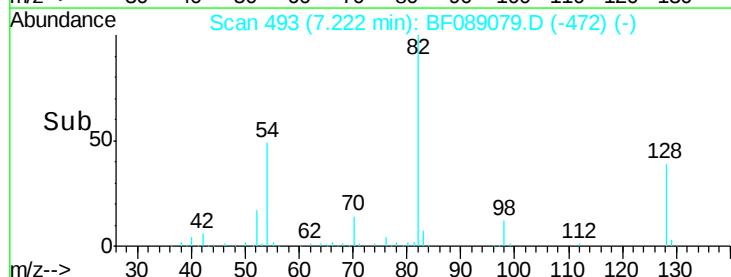
54 49.4 40.9 61.3

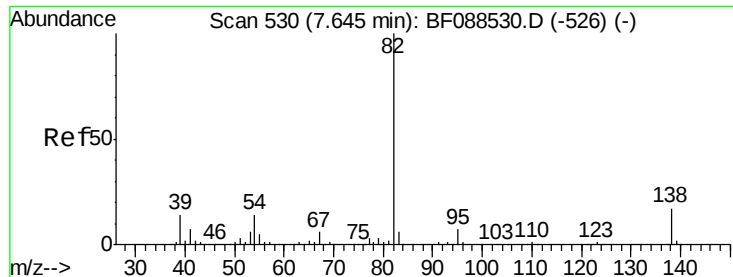


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.93 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.32 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

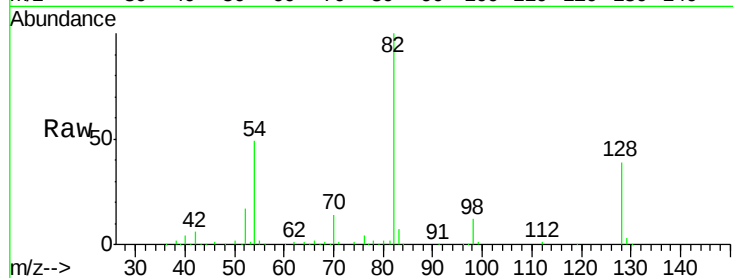
Tot Ion: 82 Resp: 226298

Ion Ratio Lower Upper

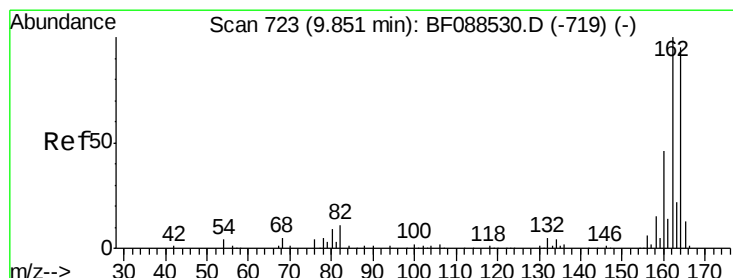
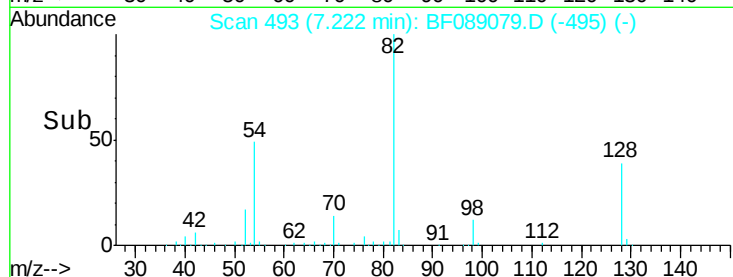
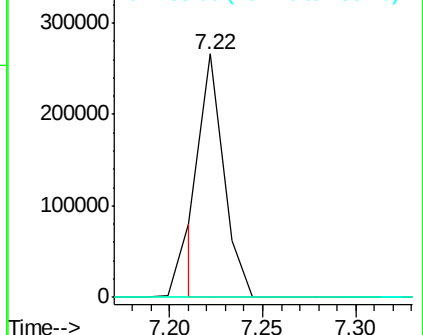
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

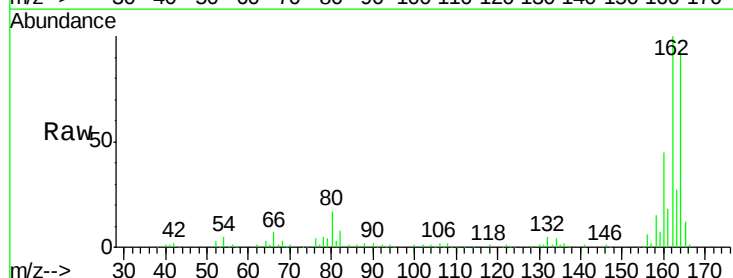
Tgt Ion: 164 Resp: 96894

Ion Ratio Lower Upper

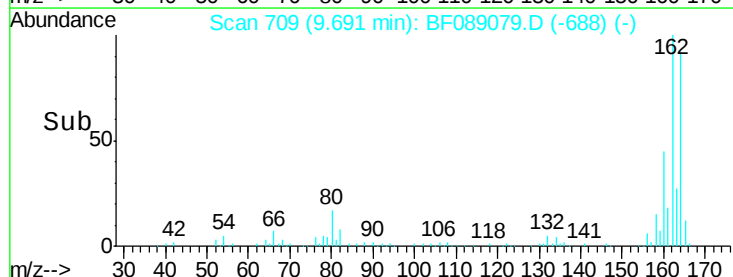
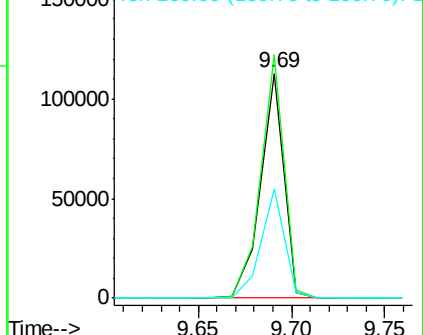
164 100

162 108.2 85.4 128.2

160 48.7 39.5 59.3



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

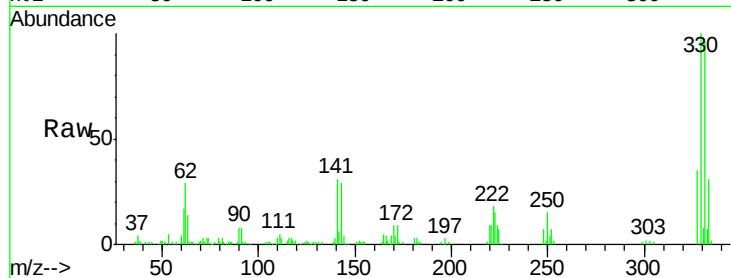




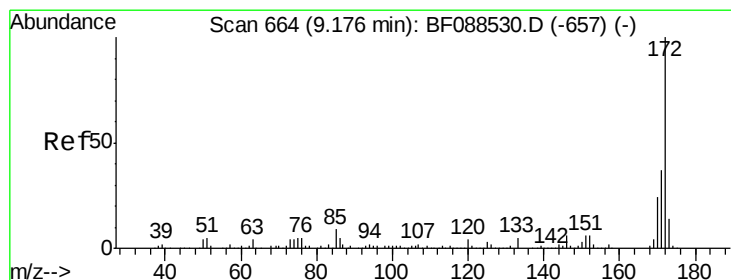
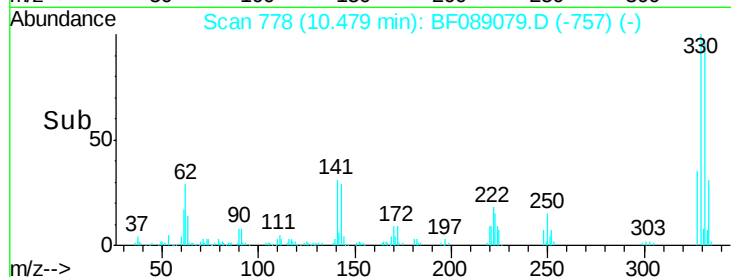
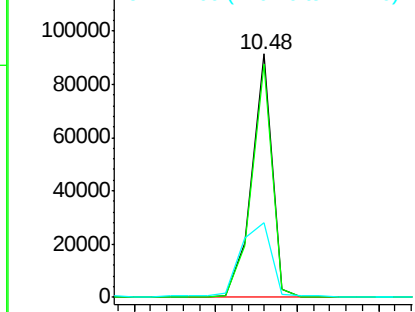
#41
 2,4,6-Tribromophenol
 Concen: 87.96 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 79144
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 48.0 0.0 0.0#

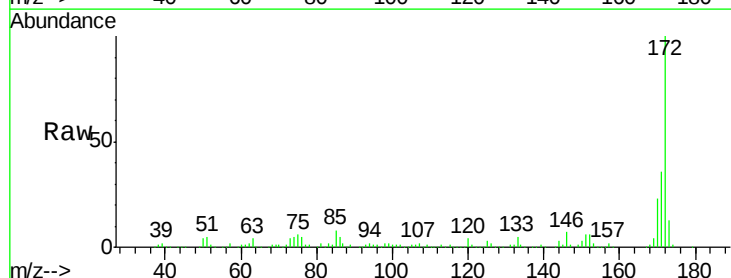


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

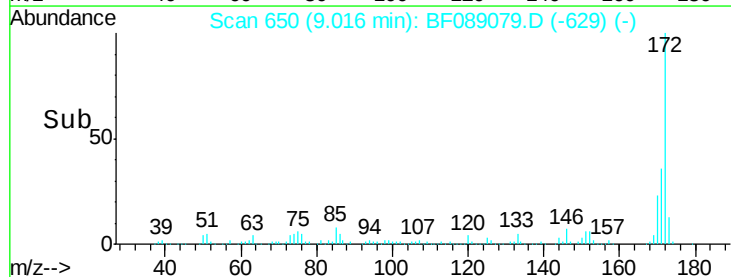
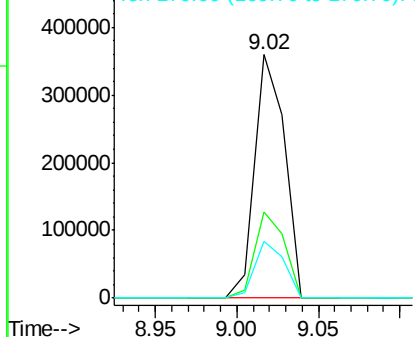


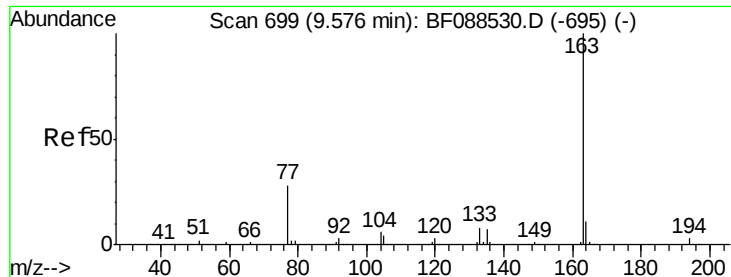
#44
 2-Fluorobiphenyl
 Concen: 74.77 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Tgt Ion:172 Resp: 458675
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.5 19.2 28.8



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

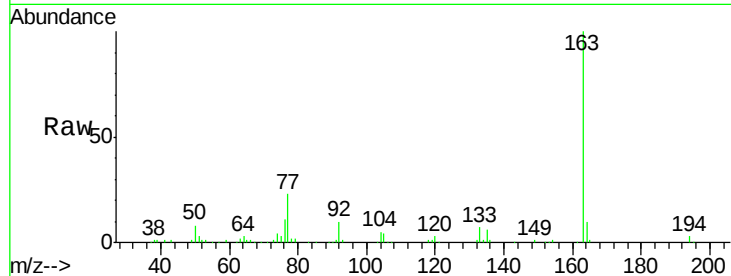




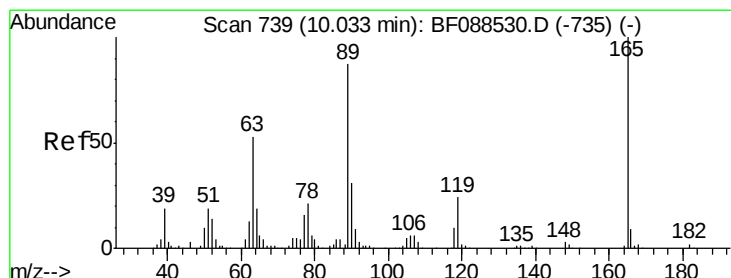
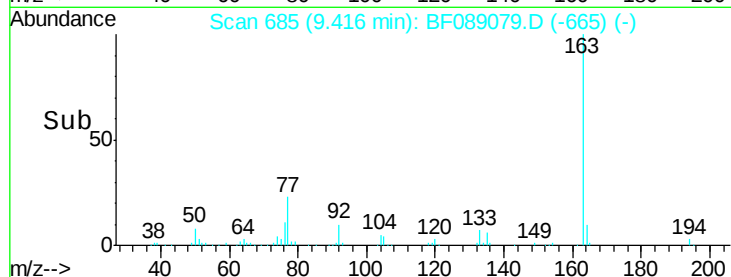
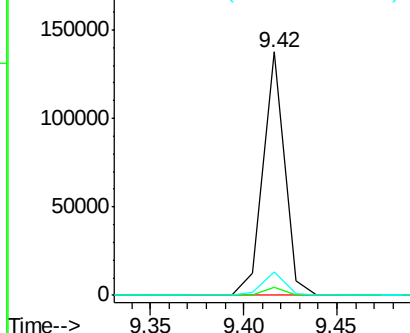
#49
Dimethylphthalate
Concen: 15.74 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 108658
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.7 8.3 12.5

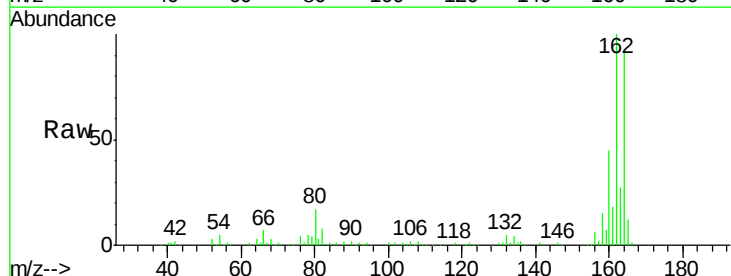


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

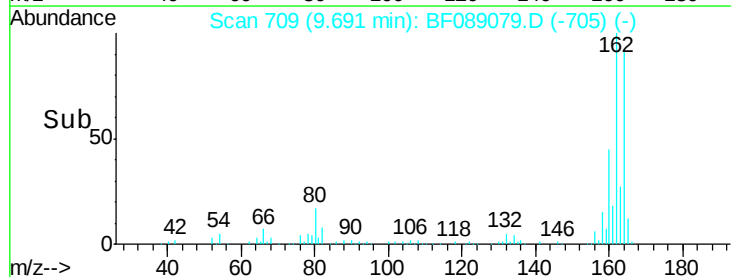
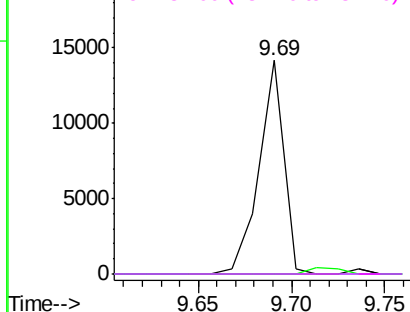


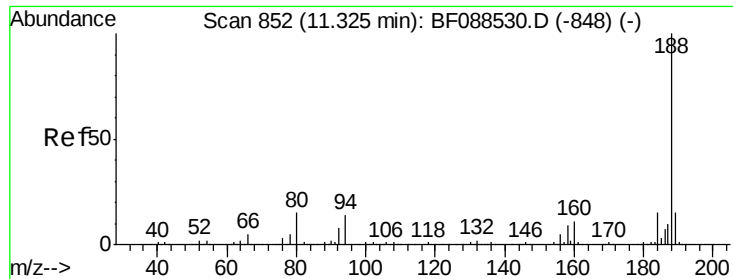
#56
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.25 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:165 Resp: 12979
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#



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

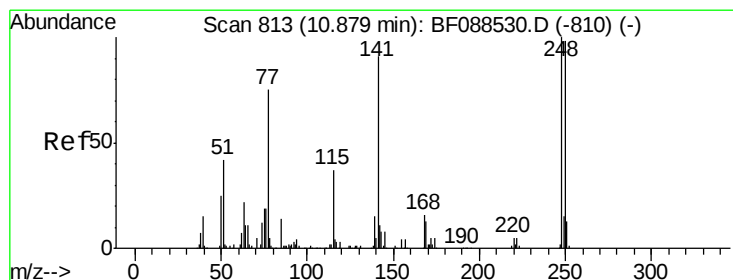
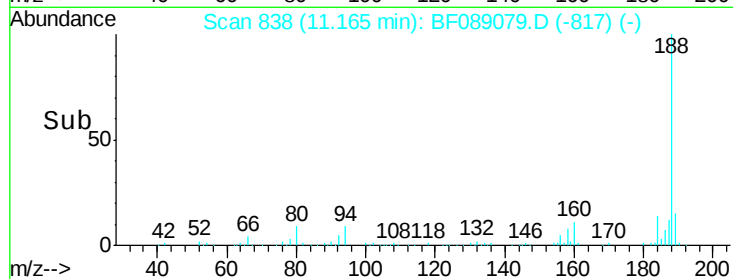
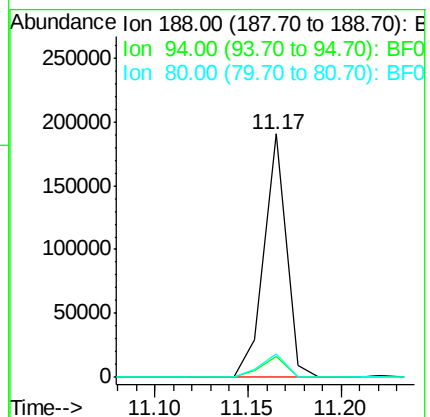
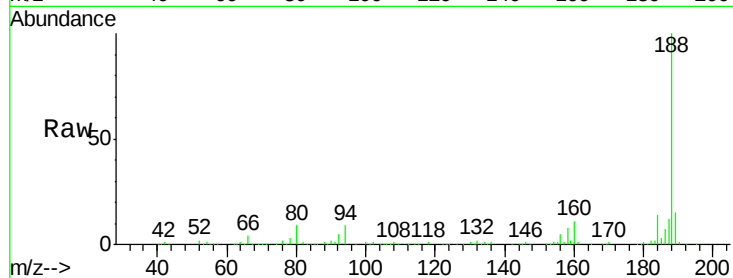




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 838
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

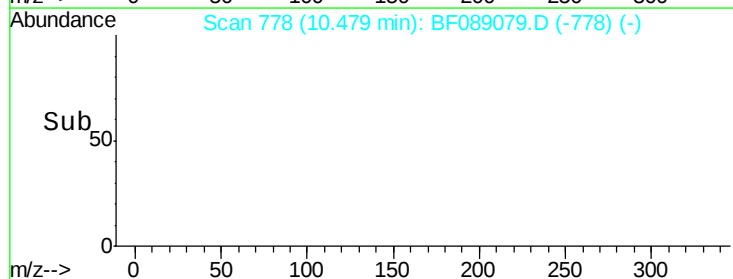
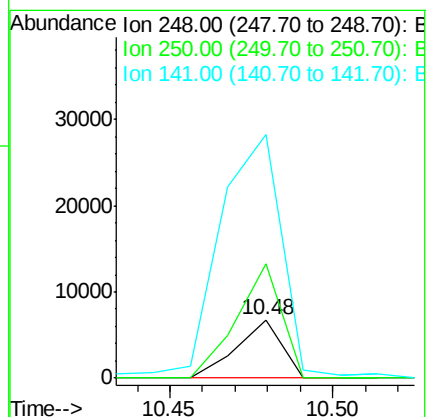
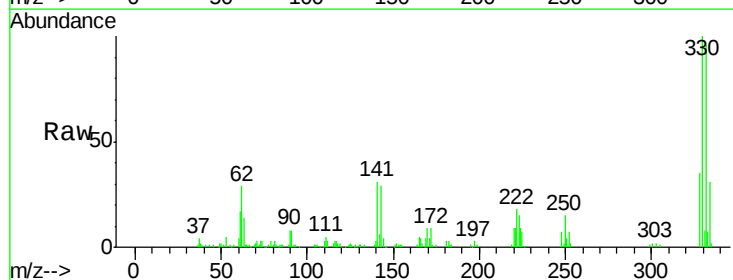
Instrument :
BNA_F
ClientSampleId :

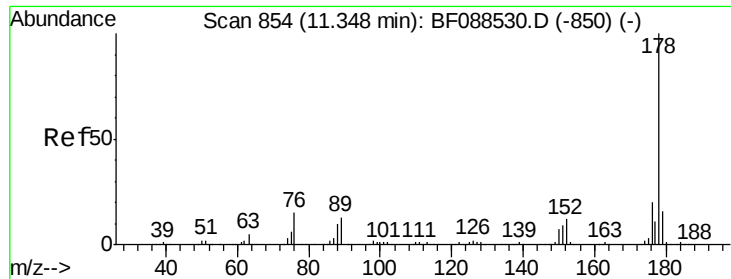
Tot Ion:188 Resp: 157956
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.6#
80 9.4 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.30 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:248 Resp: 6400
Ion Ratio Lower Upper
248 100
250 196.1 77.1 115.7#
141 416.0 50.6 76.0#





#70

Phenanthrene

Concen: 11.56 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

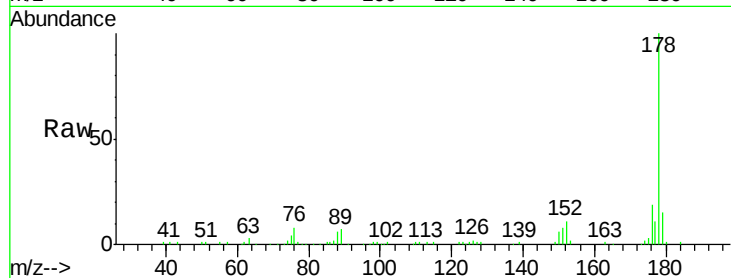
Tot Ion:178 Resp: 99796

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

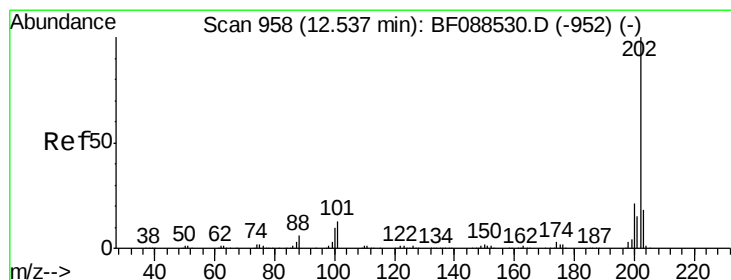
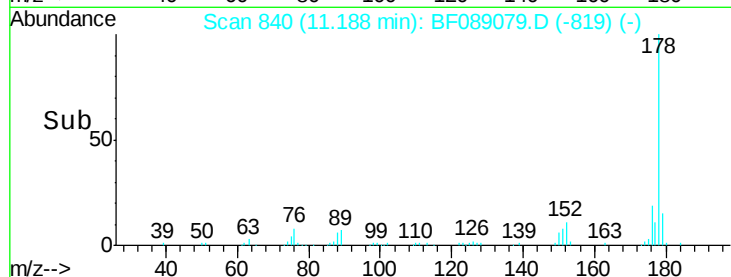
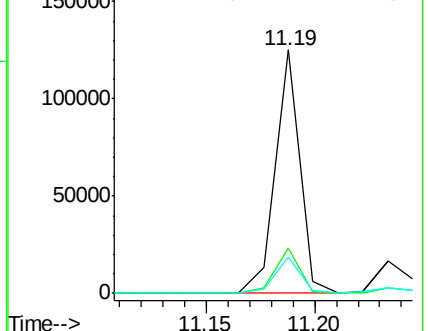
179 15.0 13.0 19.4



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: 13.43 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

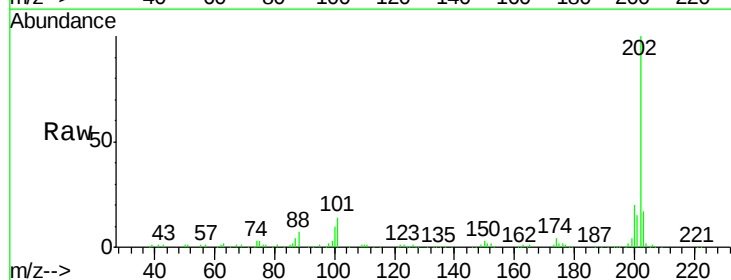
Tgt Ion:202 Resp: 117556

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.1

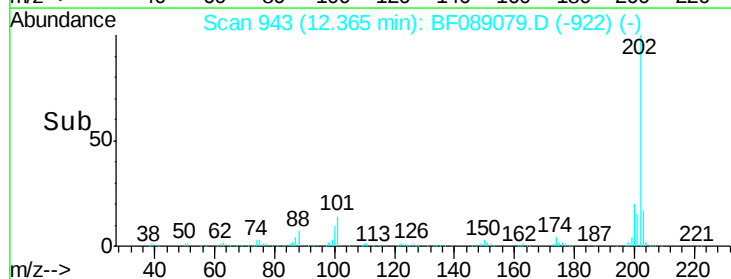
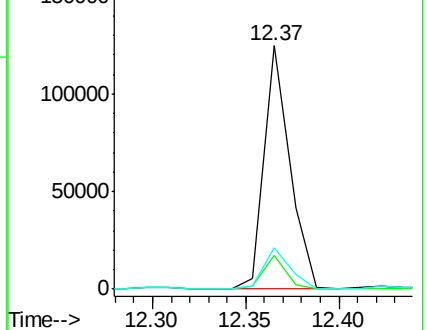
203 17.2 0.0 38.1

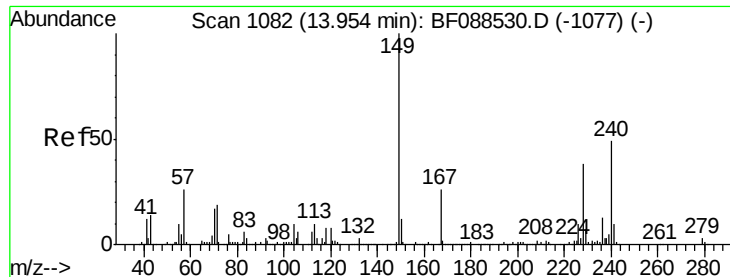


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.78 min Scan# 1067

Delta R.T. -0.07 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleId :

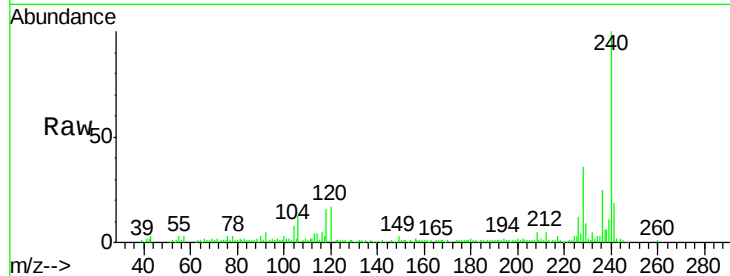
Tot Ion:240 Resp: 104554

Ion Ratio Lower Upper

240 100

120 17.5 6.8 10.2#

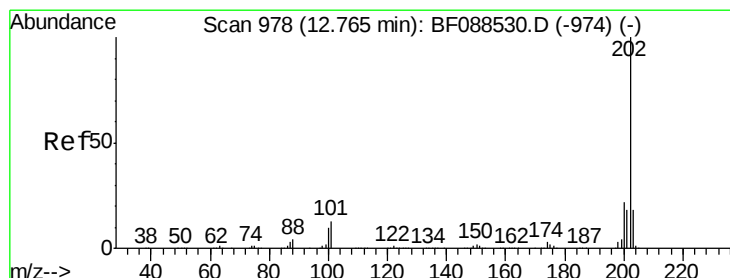
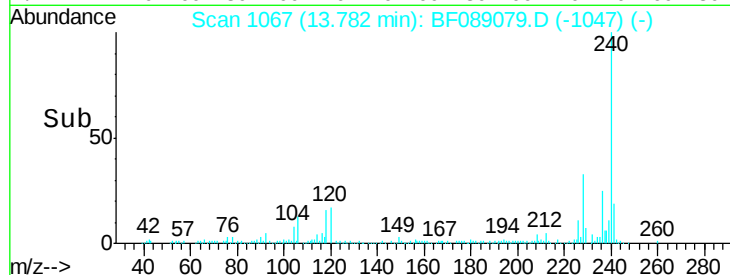
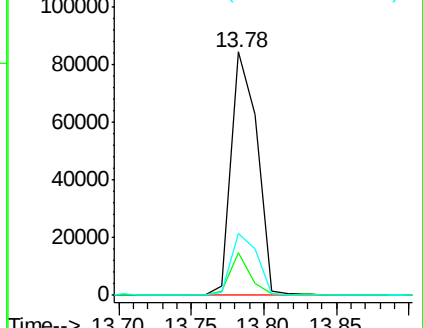
236 25.2 20.2 30.2



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

Pyrene

Concen: 17.72 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

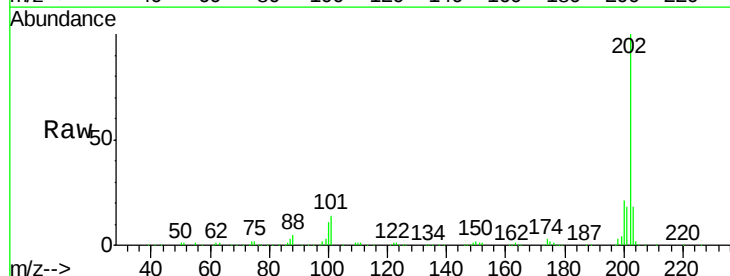
Tgt Ion:202 Resp: 157111

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

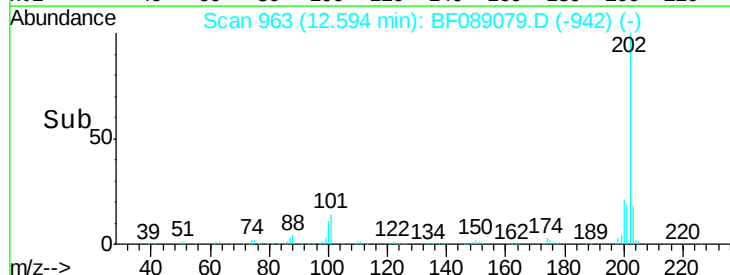
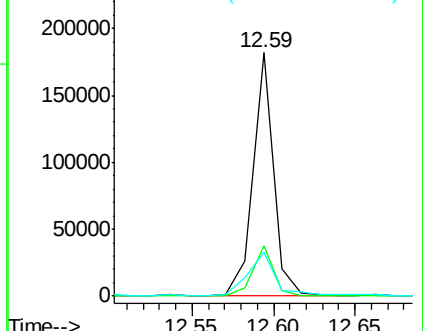
203 17.8 14.5 21.7

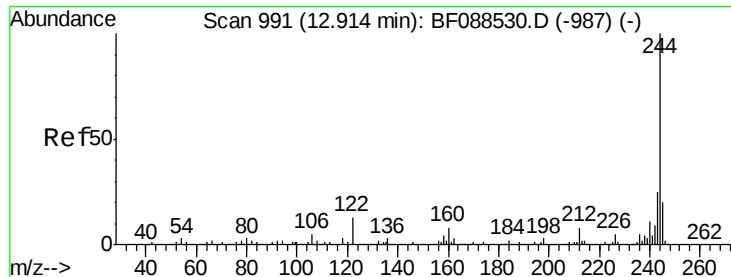


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

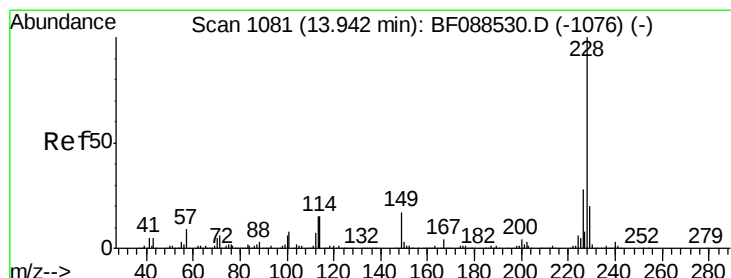
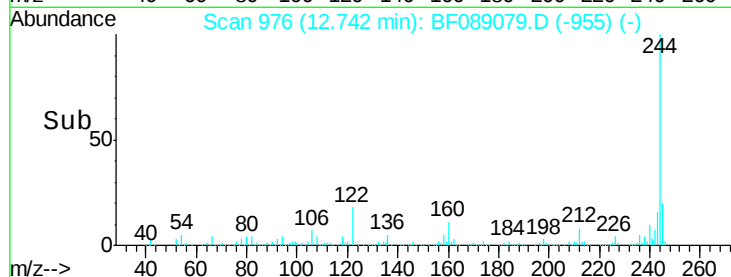
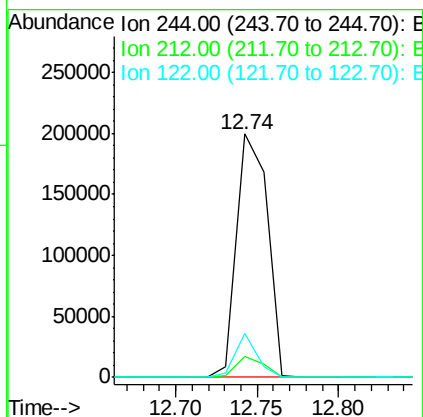
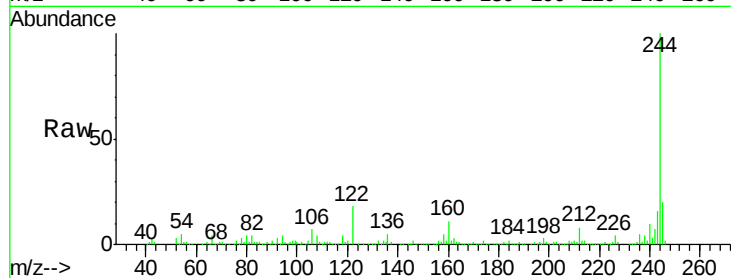




#78
 Terphenyl-d14
 Concen: 55.29 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.06 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

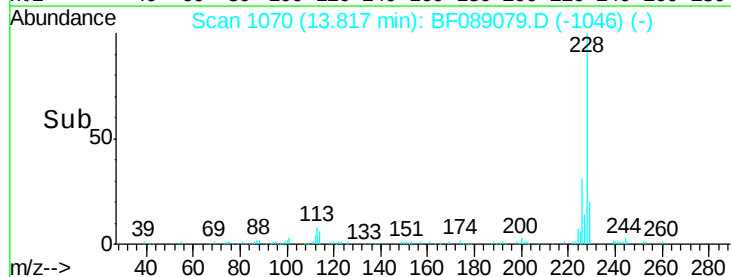
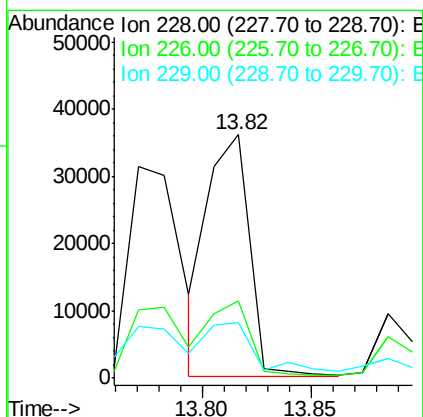
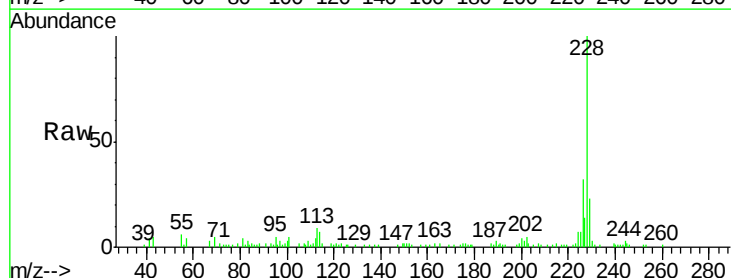
Instrument :
 BNA_F
 ClientSampleId :

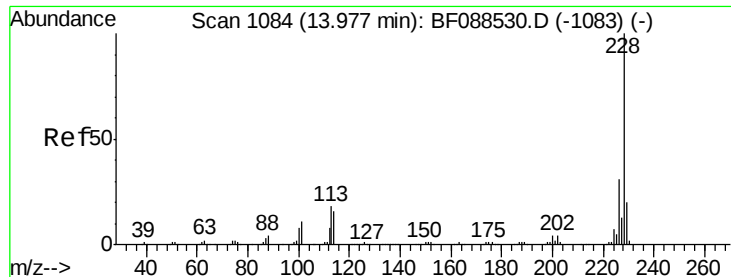
Tot Ion:244 Resp: 259549
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.0 9.0
 122 18.0 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 7.13 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Tgt Ion:228 Resp: 47991
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.3 33.5
 229 22.7 16.0 24.0





#82

Chrysene

Concen: 7.35 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

Instrument :

BNA_F

ClientSampleID :

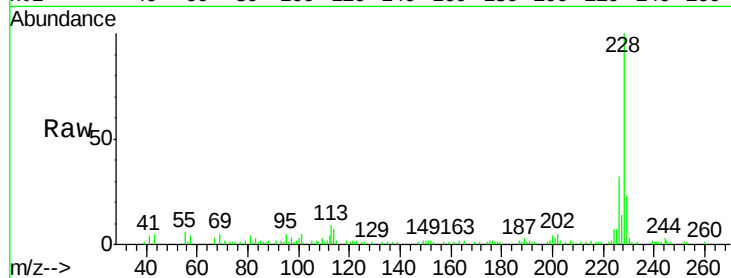
Tot Ion:228 Resp: 48943

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.2

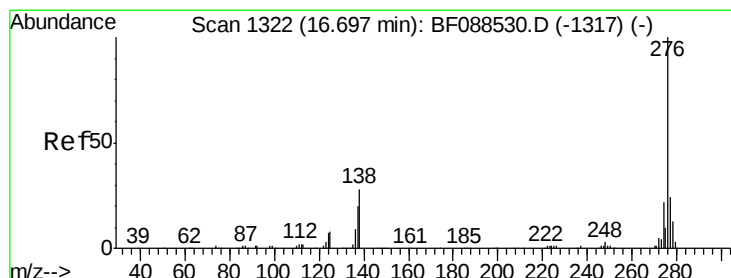
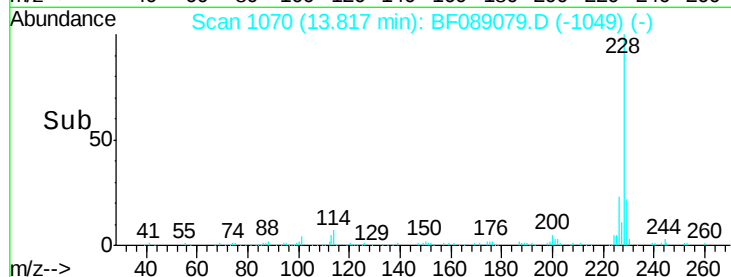
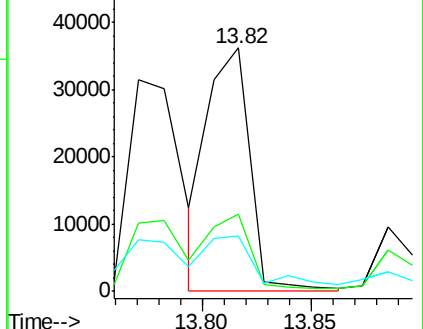
229 22.7 16.3 24.5



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: 7.30 ng

RT: 16.41 min Scan# 1297

Delta R.T. -0.09 min

Lab File: BF089079.D

Acq: 17 Jul 2016 15:42

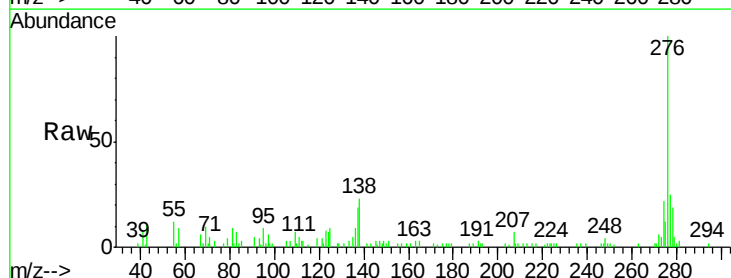
Tgt Ion:276 Resp: 37416

Ion Ratio Lower Upper

276 100

138 25.2 0.0 0.0#

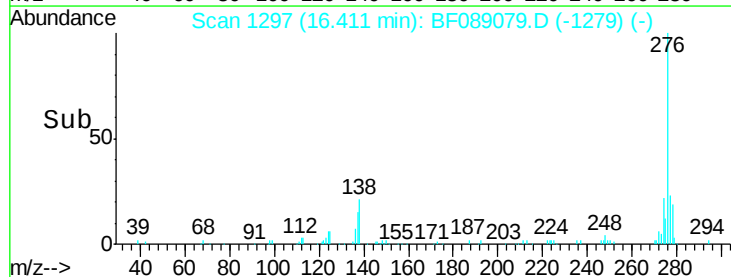
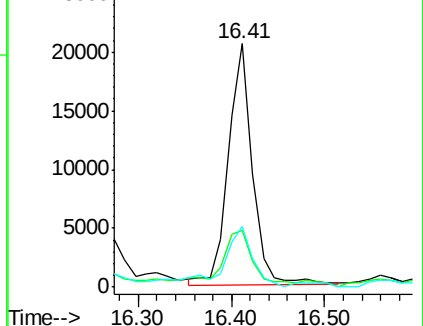
277 33.0 0.0 0.0#

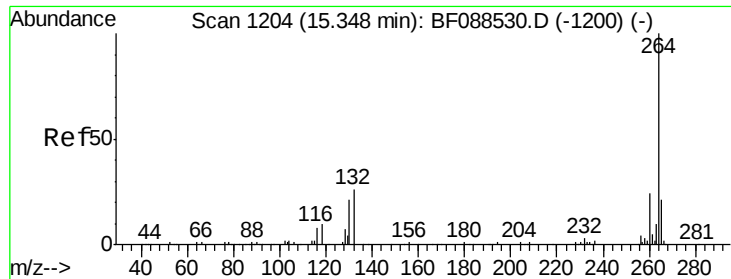


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

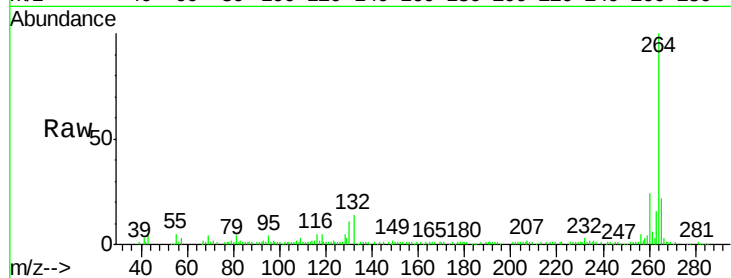




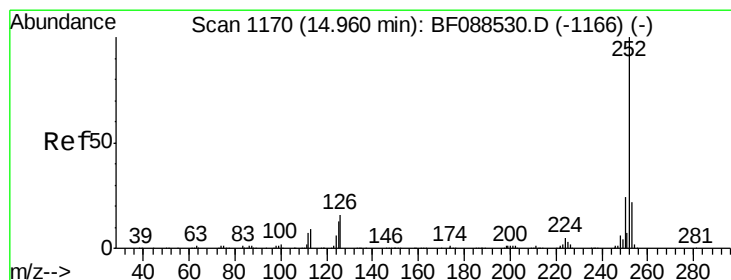
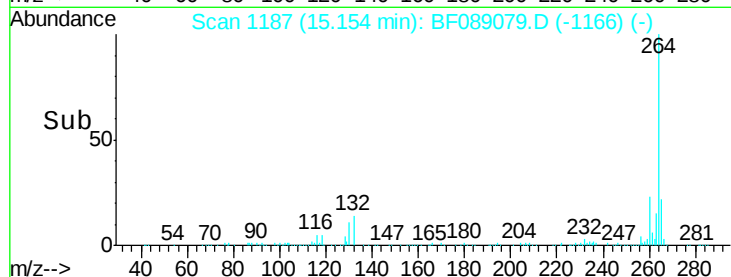
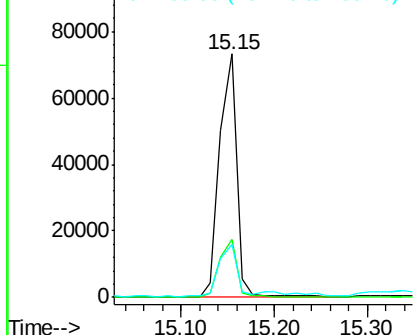
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 93977
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 16.9 25.3

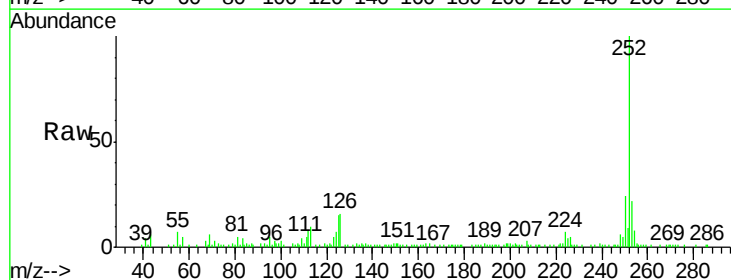


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

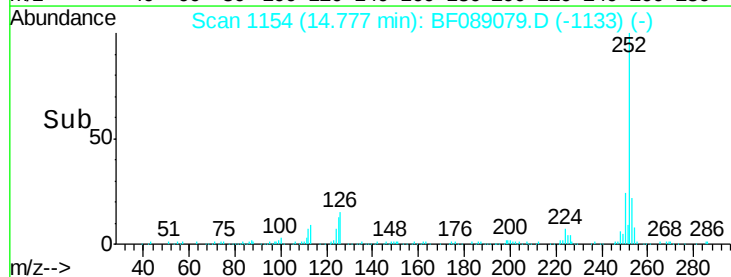
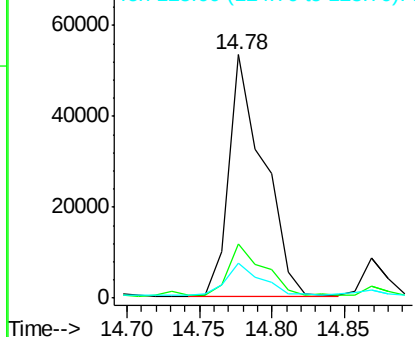


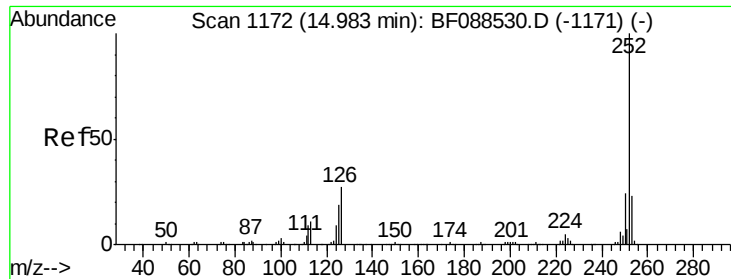
#87
Benzo(b)fluoranthene
Concen: 14.96 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:252 Resp: 88214
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 14.6 7.1 10.7#



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

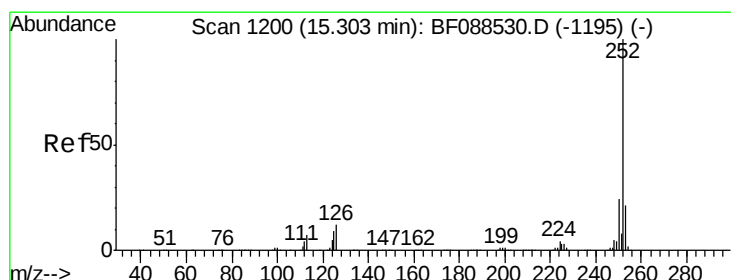
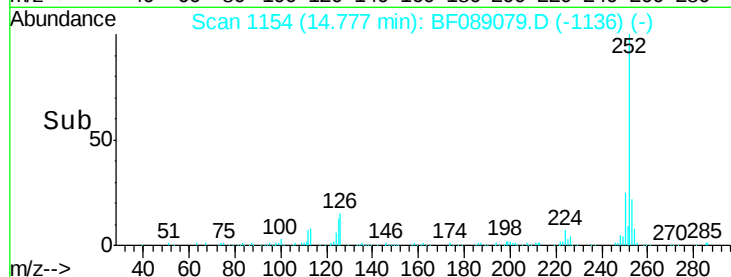
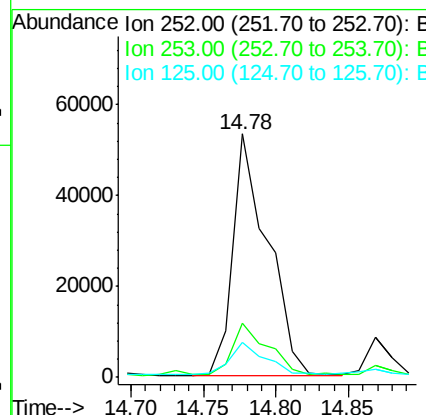
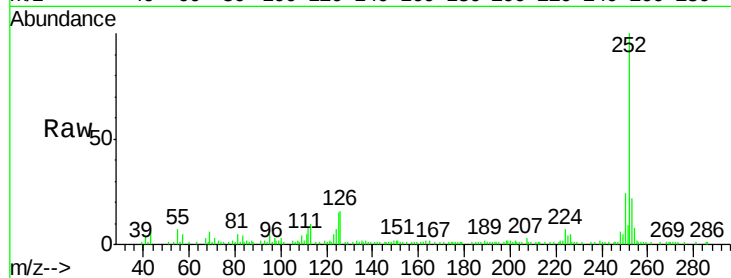




#88
Benzo(k)fluoranthene
Concen: 17.19 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.09 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

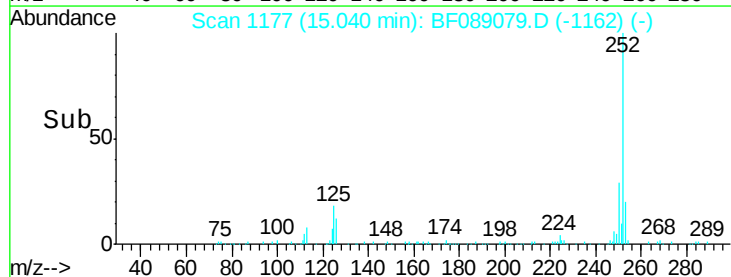
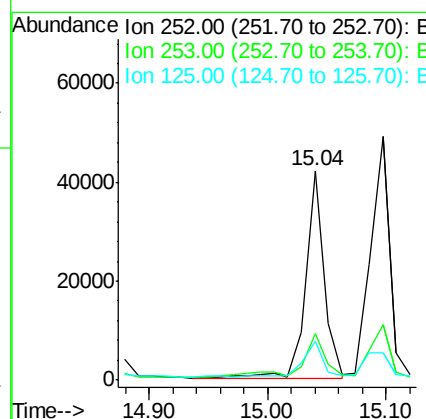
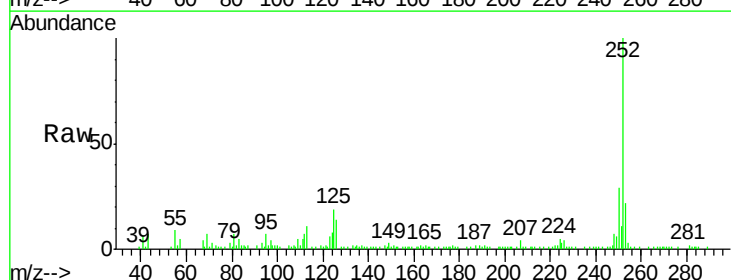
Instrument :
BNA_F
ClientSampleId :

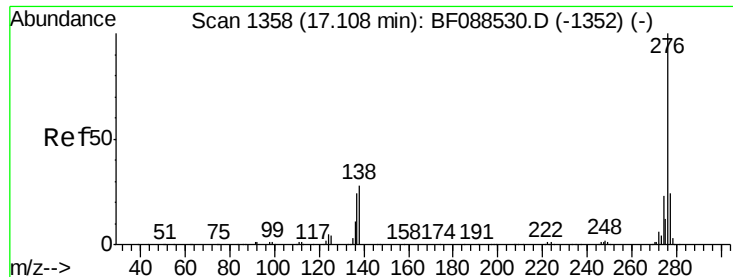
Tot Ion:252 Resp: 88214
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 14.6 11.2 16.8



#89
Benzo(a)pyrene
Concen: 9.09 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.13 min
Lab File: BF089079.D
Acq: 17 Jul 2016 15:42

Tgt Ion:252 Resp: 45365
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 18.7 12.5 18.7

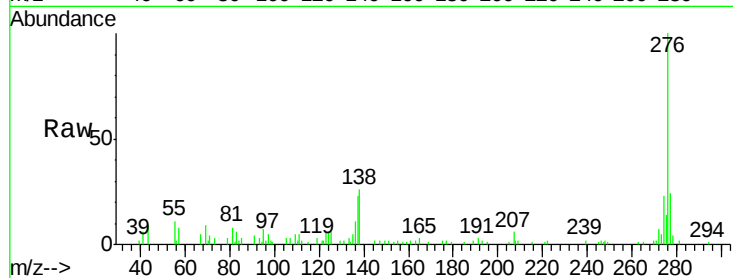




#91
 Benzo(a,h,i)perylene
 Concen: 10.71 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.10 min
 Lab File: BF089079.D
 Acq: 17 Jul 2016 15:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	46213
Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	26.0	21.4	32.2



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

