

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089477.D
 Acq On : 31 Jul 2016 18:19
 Operator : UM/SJ
 Sample : H4252-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:15:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

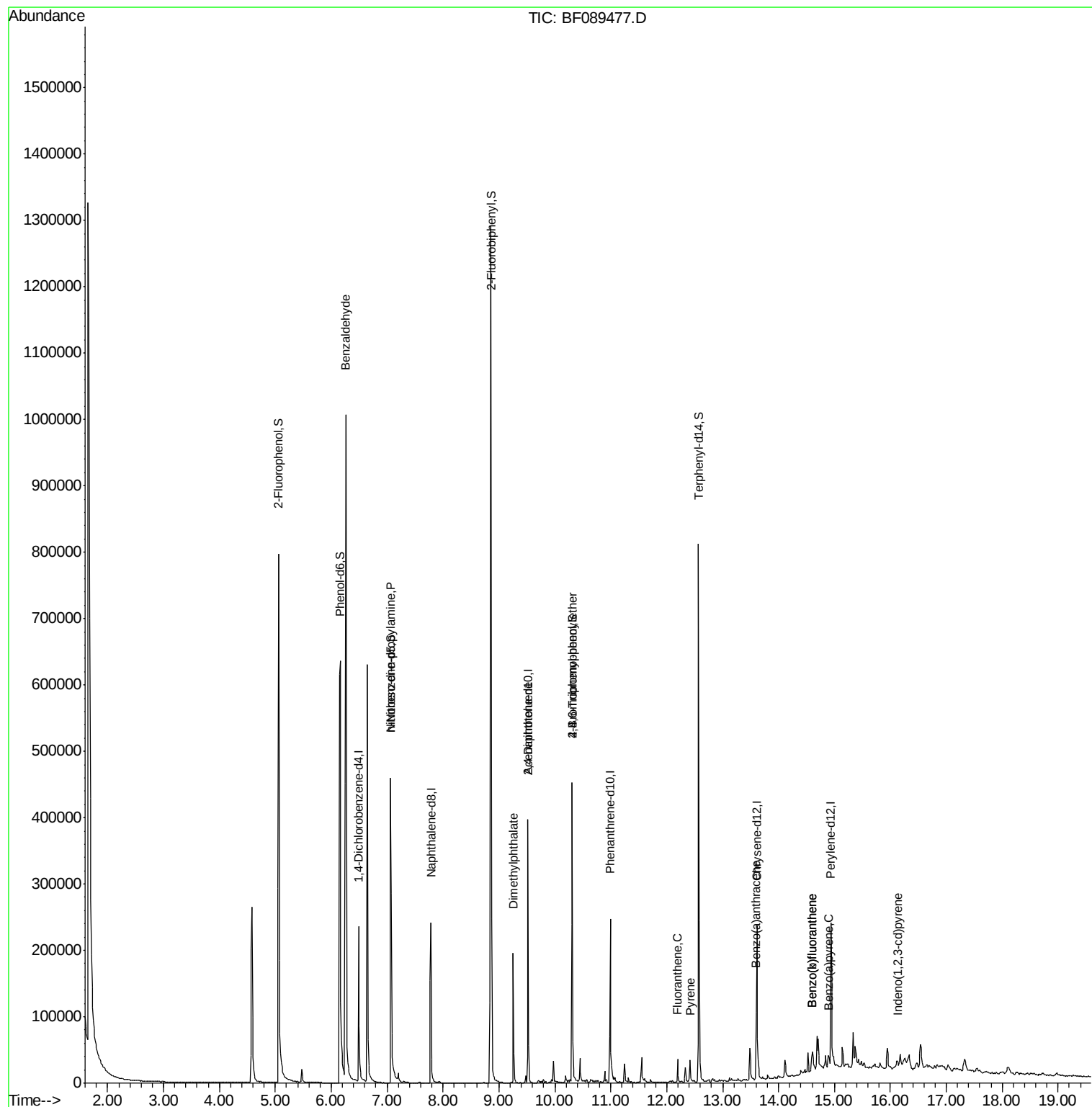
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	46723	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	171396	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	75104	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	113941	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	89834	20.00	ng	-0.06
86) Perylene-d12	14.94	264	101943	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	311049	106.30	ng	-0.05
7) Phenol-d6	6.16	99	411892	106.51	ng	-0.05
23) Nitrobenzene-d5	7.06	82	244888	84.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	58928	94.74	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	409151	79.95	ng	-0.06
78) Terphenyl-d14	12.57	244	259076	67.50	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.26	77	7993	4.23	ng	Qvalue 81
19) n-Nitroso-di-n-propylamine	7.06	70	31732	13.61	ng	# 83
49) Dimethylphthalate	9.26	163	79595	13.93	ng	99
56) 2,4-Dinitrotoluene	9.52	165	9498	6.14	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	4772	4.39	ng	# 1
74) Fluoranthene	12.19	202	18280	2.96	ng	93
77) Pyrene	12.42	202	17954	2.64	ng	94
80) Benzo(a)anthracene	13.60	228	12226	2.41	ng	96
85) Indeno(1,2,3-cd)pyrene	16.13	276	8733	2.28	ng	95
87) Benzo(b)fluoranthene	14.61	252	22038	3.48	ng	# 97
88) Benzo(k)fluoranthene	14.61	252	22038	3.79	ng	97
89) Benzo(a)pyrene	14.89	252	11708	2.06	ng	95

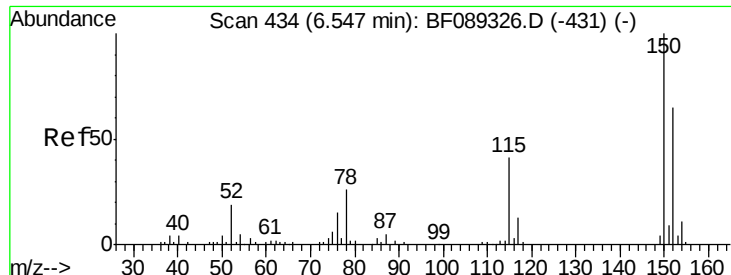
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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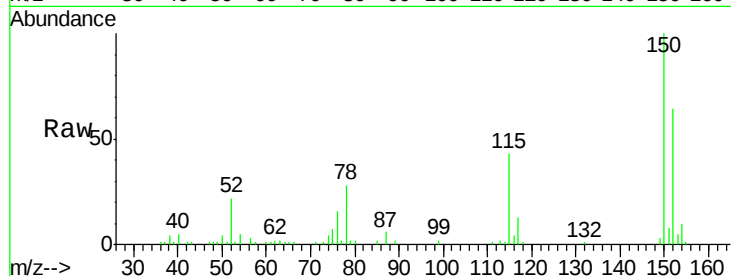


#1

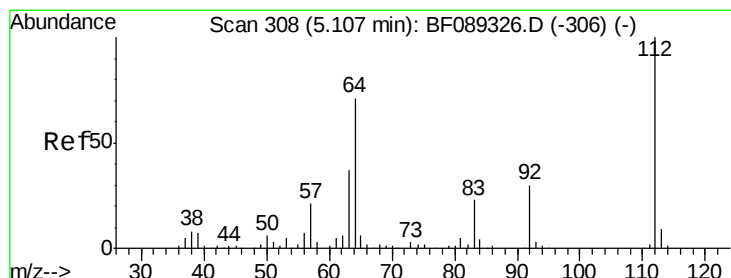
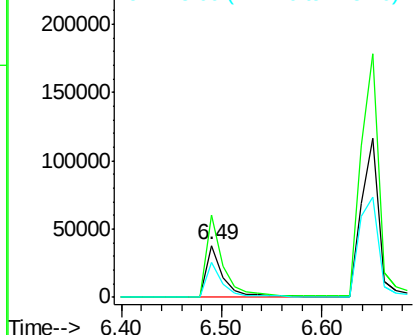
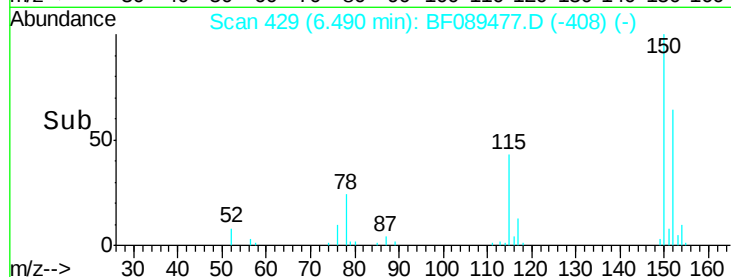
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.06 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46723
Ion Ratio Lower Upper
152 100
150 157.2 129.5 194.3
115 68.2 51.4 77.2



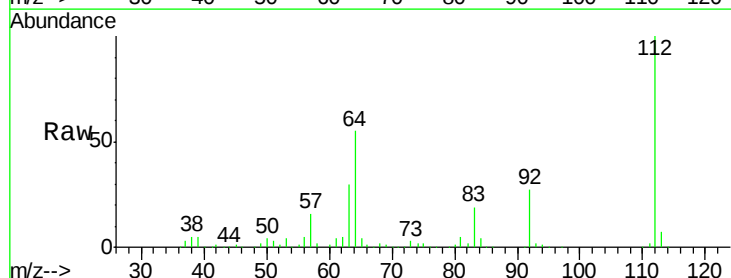
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



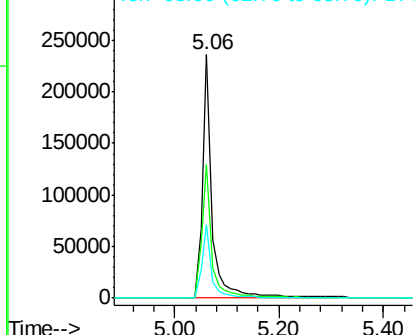
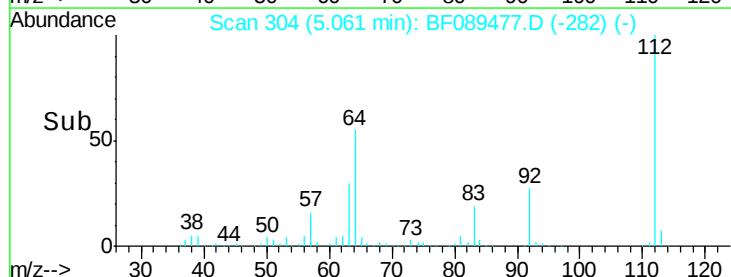
#5

2-Fluorophenol
Concen: 106.30 ng
RT: 5.06 min Scan# 304
Delta R.T. -0.05 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Tgt Ion:112 Resp: 311049
Ion Ratio Lower Upper
112 100
64 55.0 55.0 82.6#
63 29.9 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.51 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

Instrument :

BNA_F

ClientSampleId :

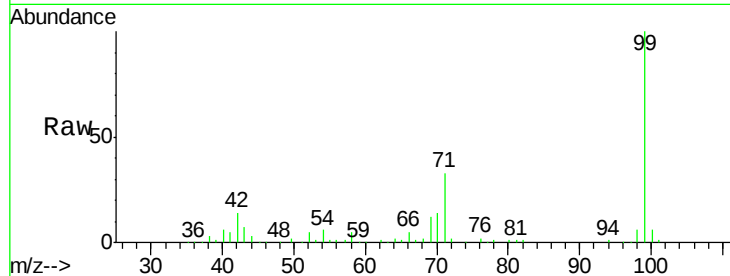
Tot Ion: 99 Resp: 411892

Ion Ratio Lower Upper

99 100

42 13.6 13.6 20.4#

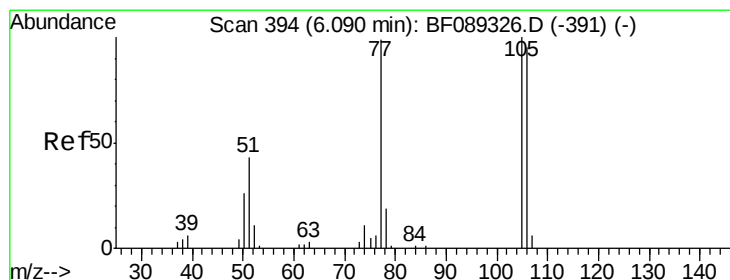
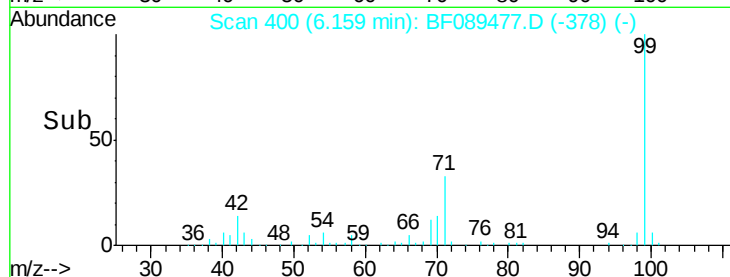
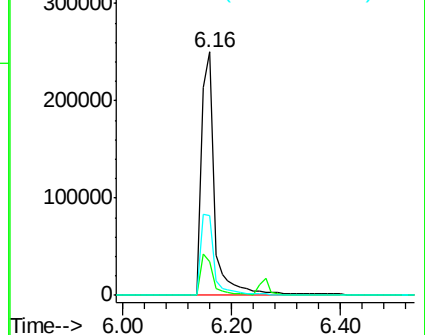
71 32.8 29.4 44.2



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



#9

Benzaldehyde

Concen: 4.23 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.17 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

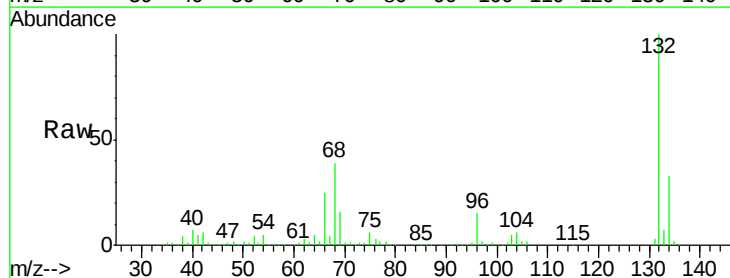
Tgt Ion: 77 Resp: 7993

Ion Ratio Lower Upper

77 100

105 83.0 82.9 122.9

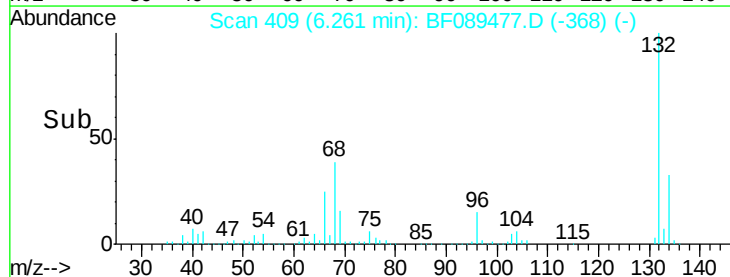
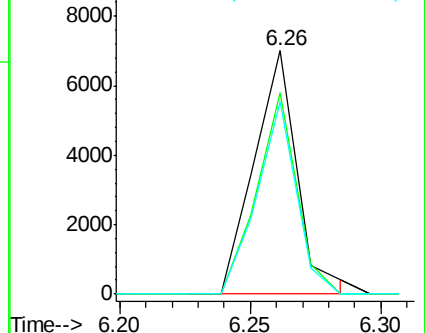
106 78.8 75.9 115.9

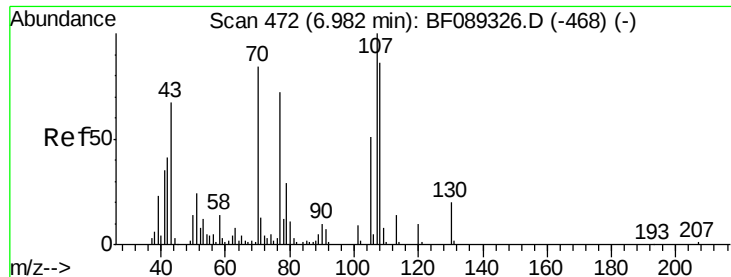


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.61 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.08 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 31732

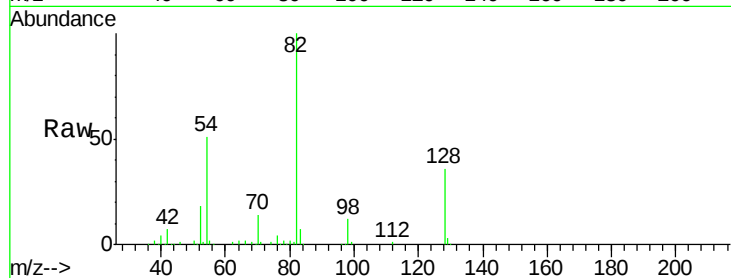
Ion Ratio Lower Upper

70 100

42 49.4 38.6 57.8

101 0.0 8.3 12.5#

130 2.1 19.0 28.4#

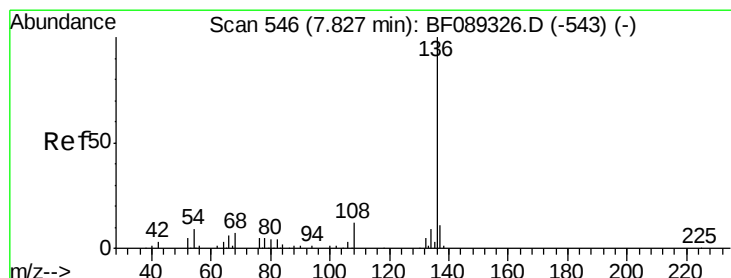
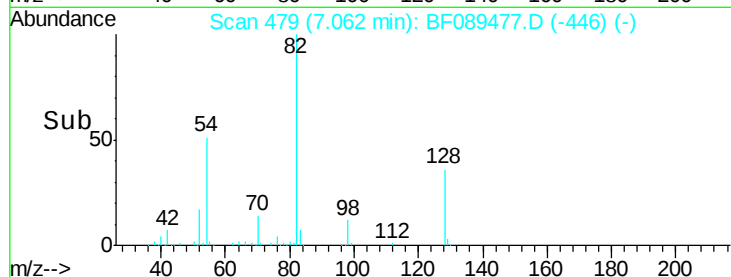
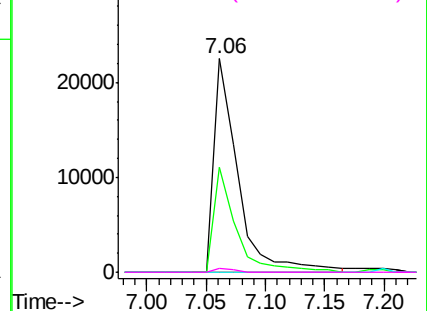


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

Tgt Ion: 136 Resp: 171396

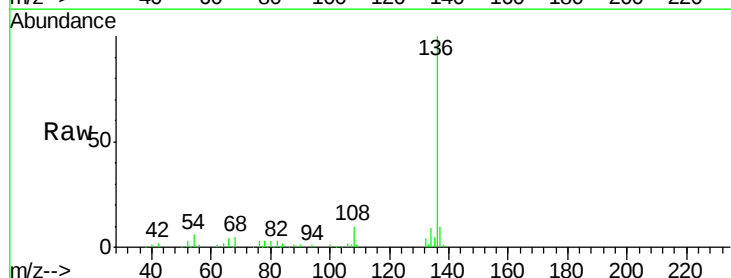
Ion Ratio Lower Upper

136 100

137 10.2 8.6 13.0

54 5.7 7.0 10.4#

68 4.8 4.9 7.3#

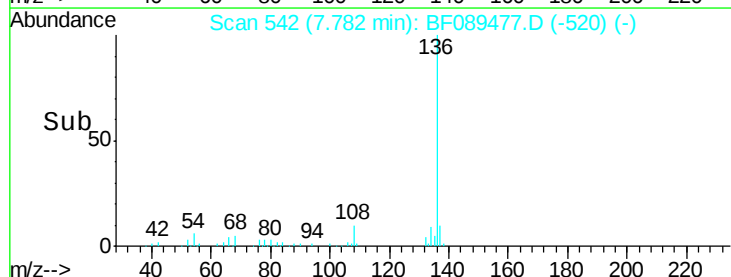
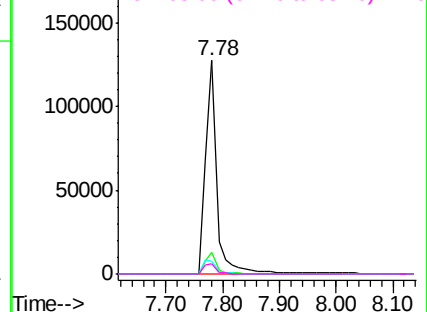


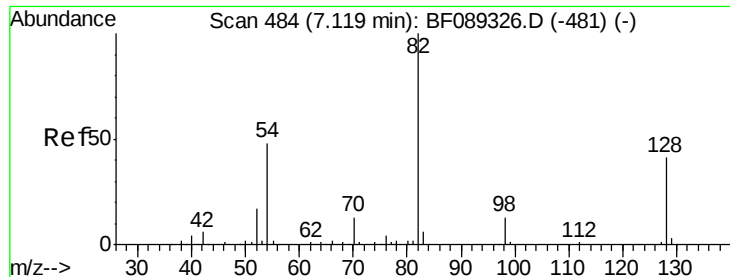
Abundance Ion 136.00 (135.70 to 136.70): E

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

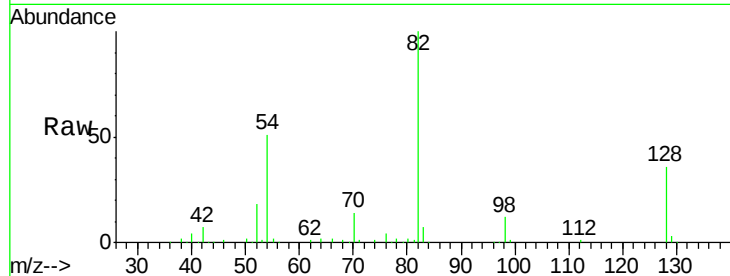




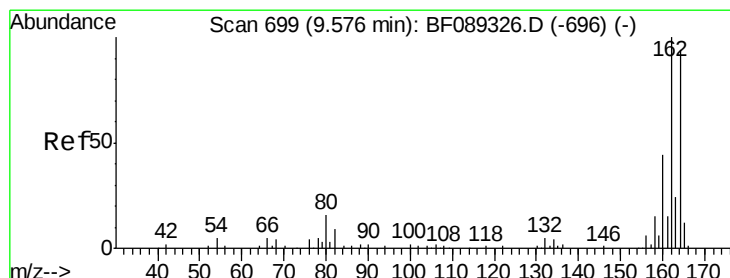
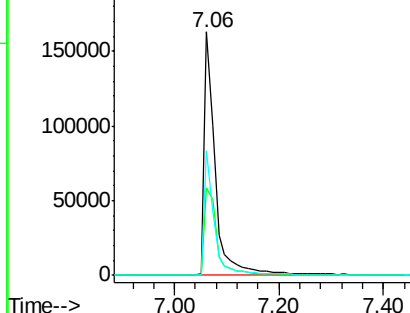
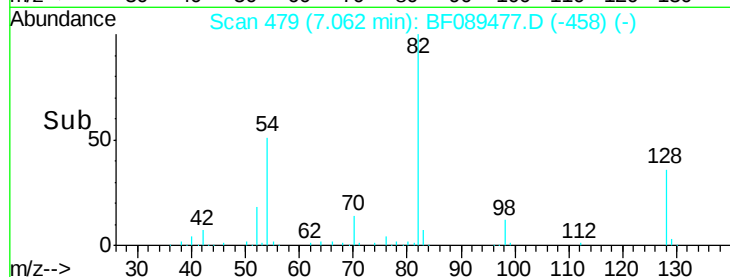
#23
 Nitrobenzene-d5
 Concen: 84.34 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	244888
Ion Ratio	Lower	Upper	
82	100		
128	35.7	32.5	48.7
54	51.2	38.8	58.2

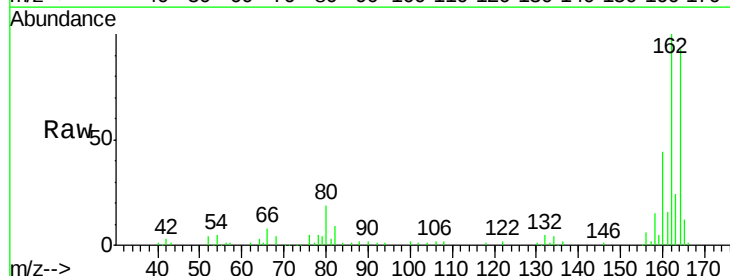


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

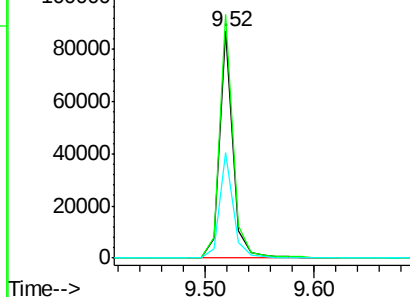
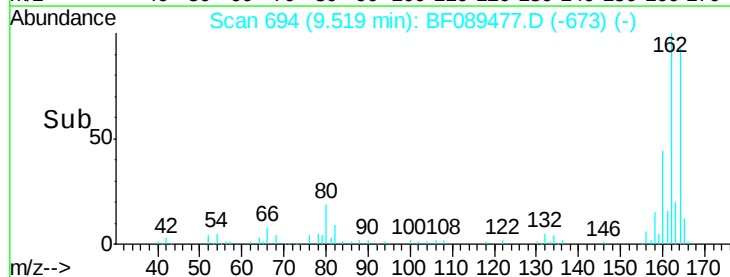


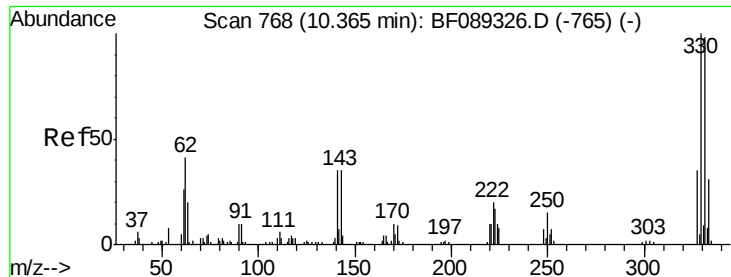
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

Tgt Ion	164	Resp	75104
Ion Ratio	Lower	Upper	
164	100		
162	107.3	83.7	125.5
160	46.7	37.8	56.6



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

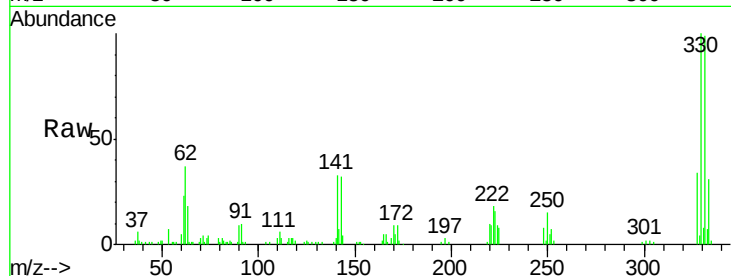




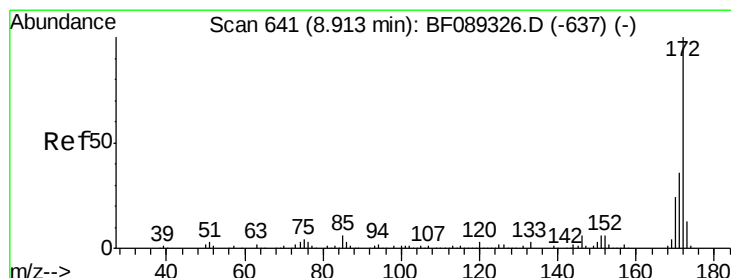
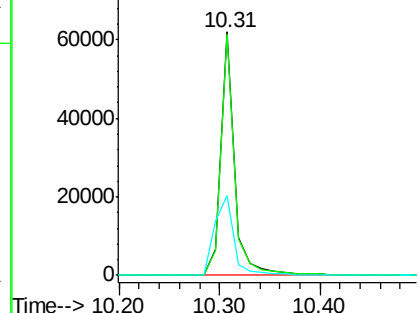
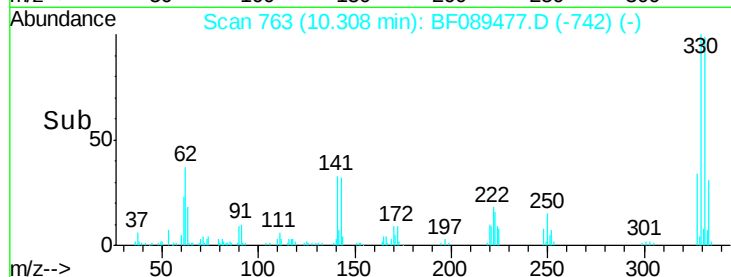
#41
 2,4,6-Tribromophenol
 Concen: 94.74 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	330	Resp	58928
Ion Ratio	100	Lower	Upper
330	100		
332	98.5	76.8	115.2
141	46.2	37.3	55.9

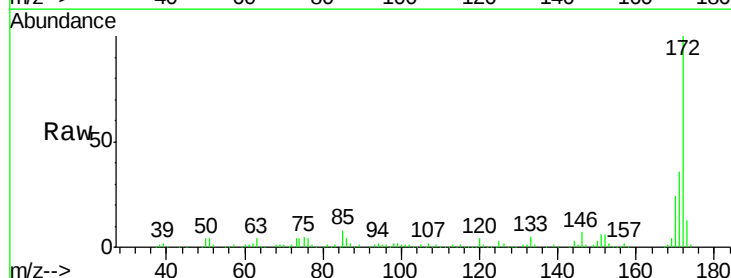


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

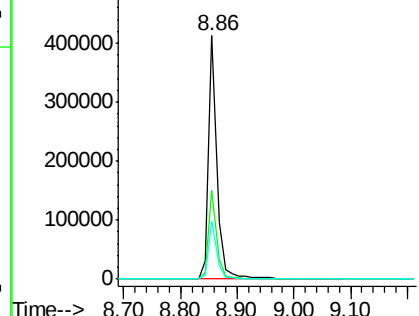
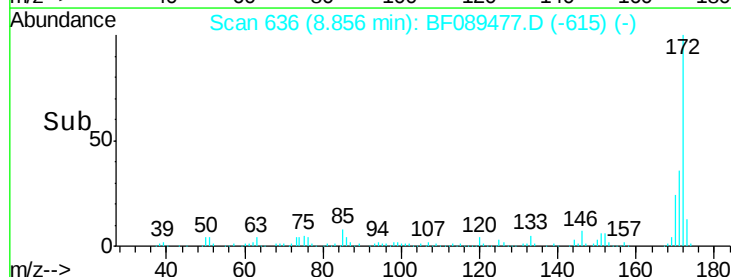


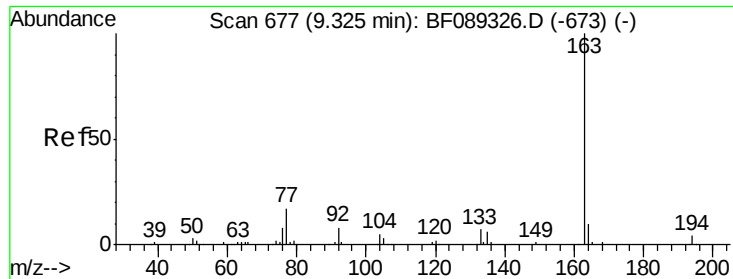
#44
 2-Fluorobiphenyl
 Concen: 79.95 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

Tgt Ion	172	Resp	409151
Ion Ratio	100	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.8	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

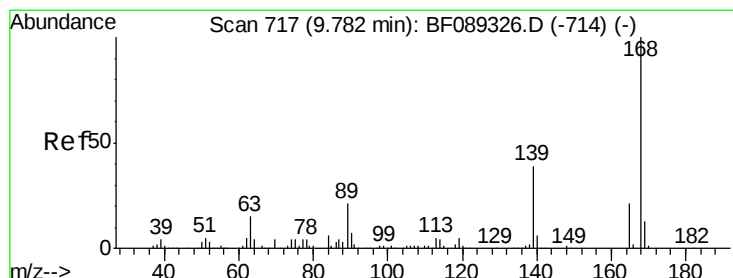
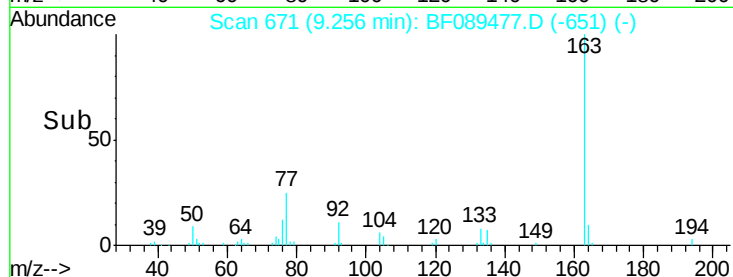
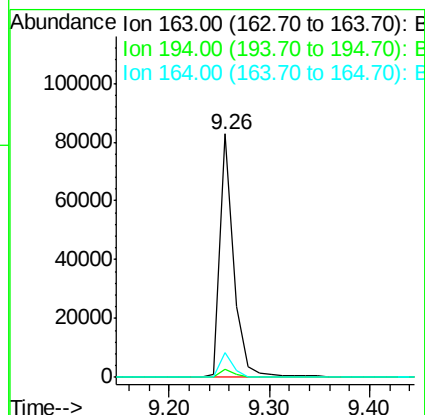
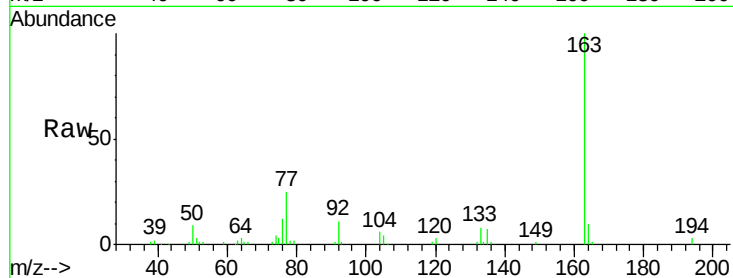




#49
Dimethylphthalate
Concen: 13.93 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

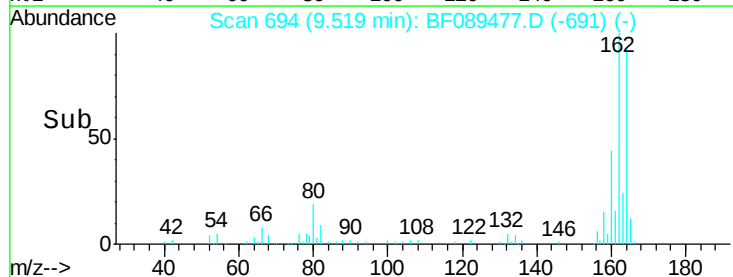
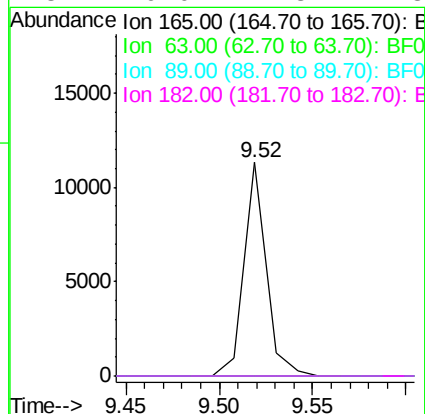
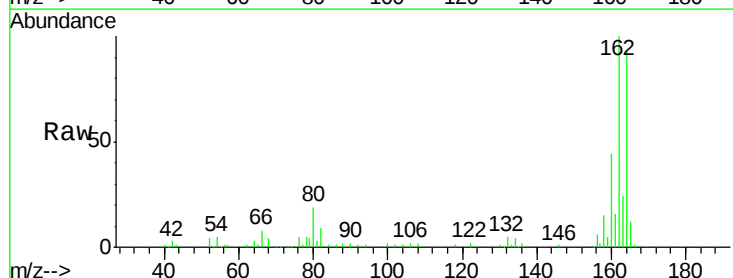
Instrument :
BNA_F
ClientSampleId :

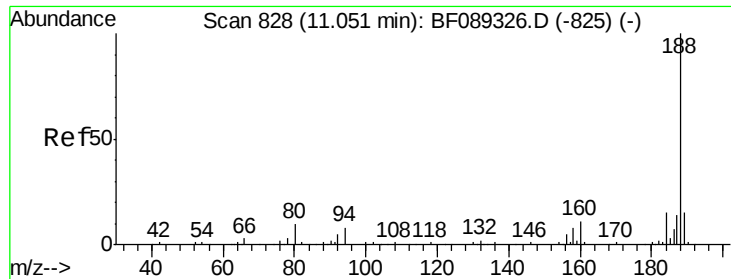
Tot Ion:163 Resp: 79595
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.2 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.26 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Tgt Ion:165 Resp: 9498
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

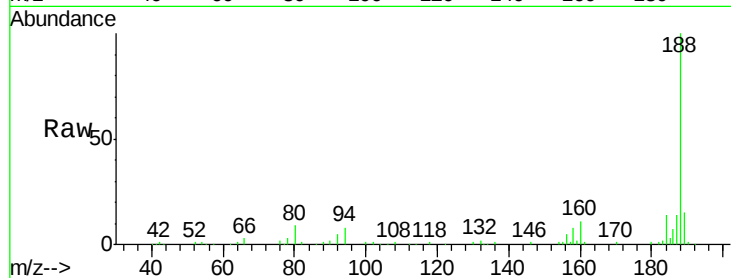




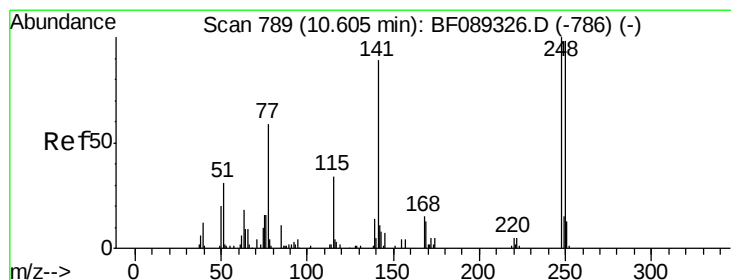
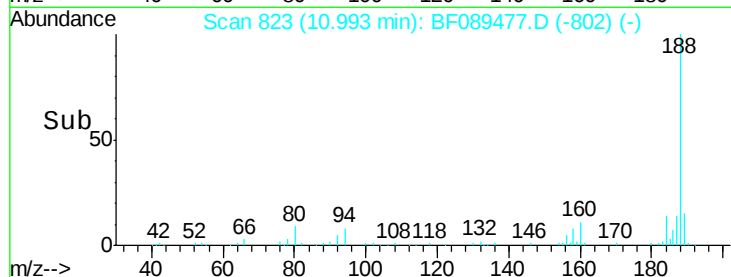
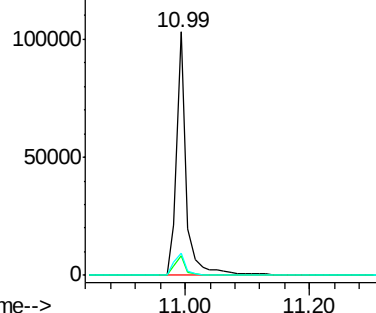
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.06 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 113941
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 9.3 7.2 10.8

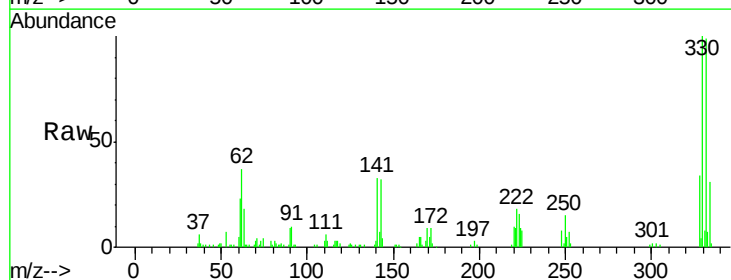


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

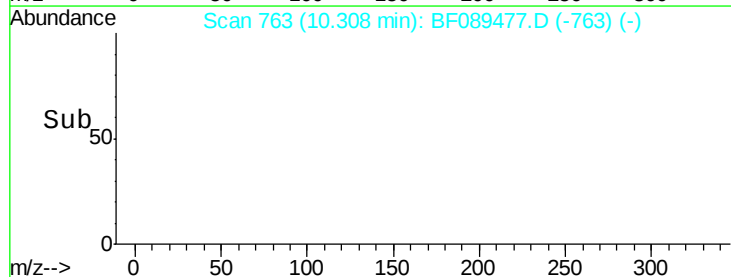
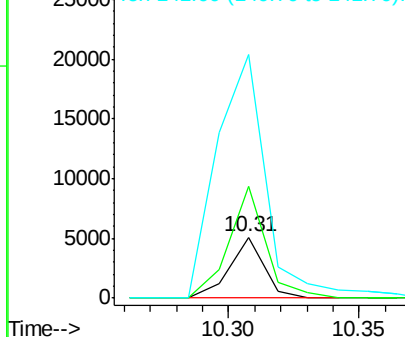


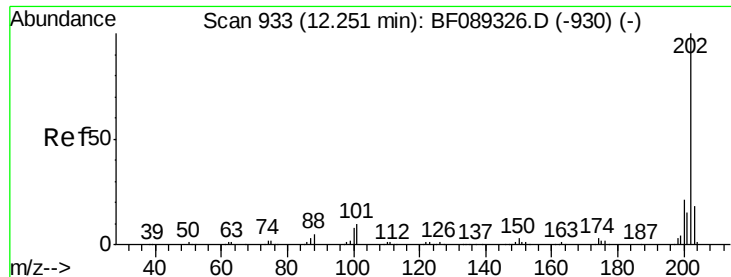
#66
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.30 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Tgt Ion:248 Resp: 4772
Ion Ratio Lower Upper
248 100
250 183.0 78.2 117.2#
141 400.6 62.0 93.0#



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

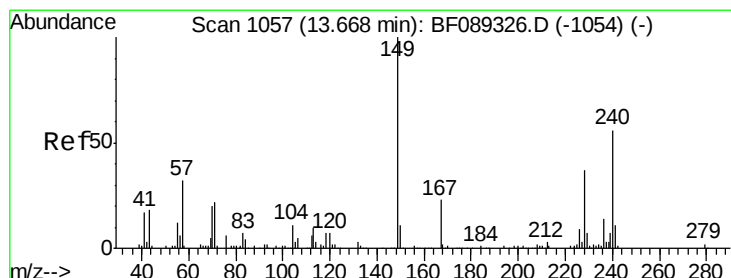
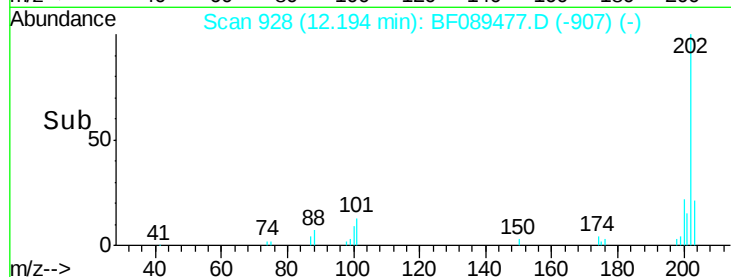
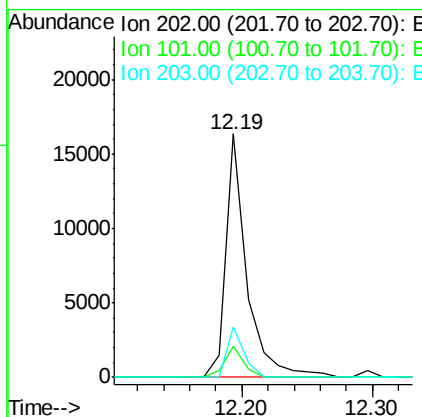
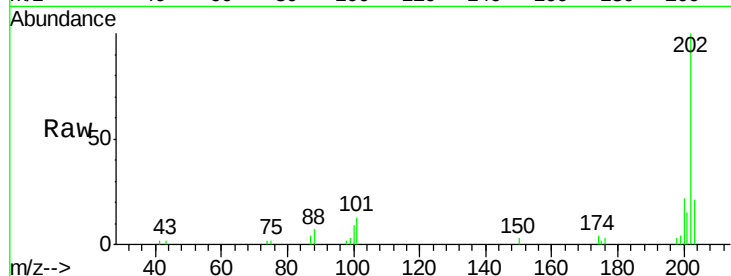




#74
 Fluoranthene
 Concen: 2.96 ng
 RT: 12.19 min Scan# 928
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

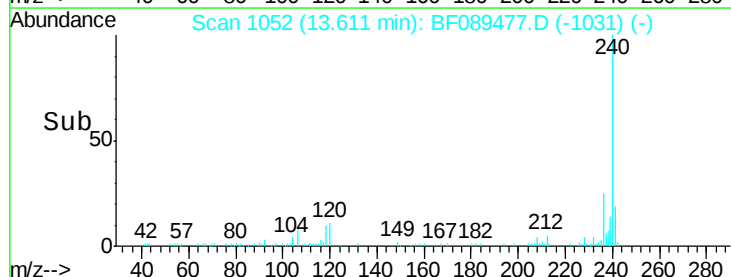
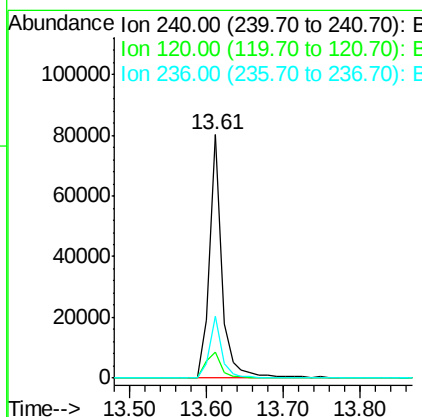
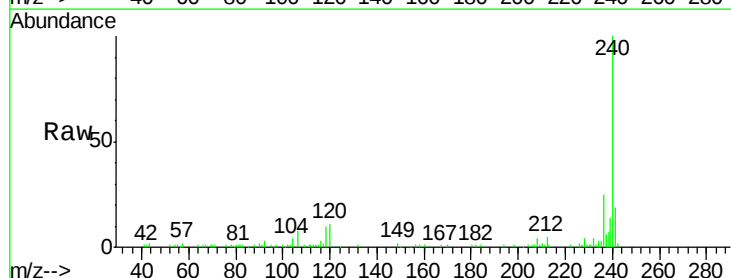
Instrument :
 BNA_F
 ClientSampleId :

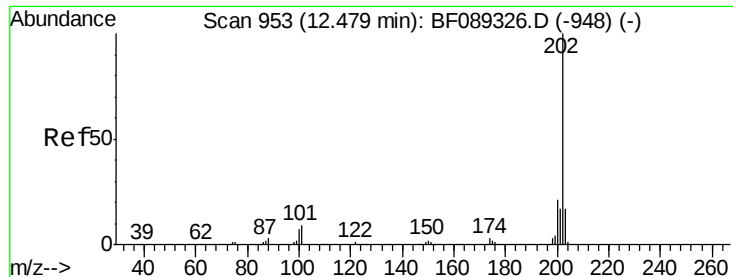
Tot Ion:202 Resp: 18280
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 29.9
 203 20.5 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. -0.06 min
 Lab File: BF089477.D
 Acq: 31 Jul 2016 18:19

Tgt Ion:240 Resp: 89834
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.1 13.7
 236 25.4 20.6 30.8





#77

Pvrene

Concen: 2.64 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

Instrument :

BNA_F

ClientSampleId :

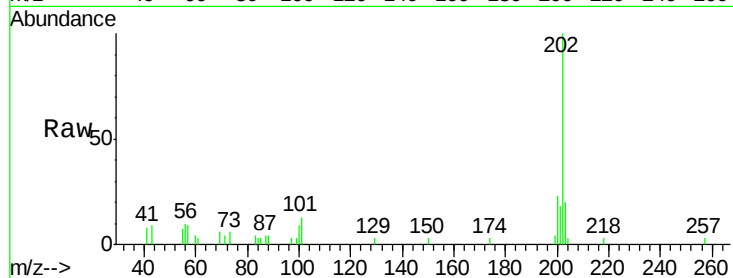
Tot Ion:202 Resp: 17954

Ion Ratio Lower Upper

202 100

200 23.4 16.9 25.3

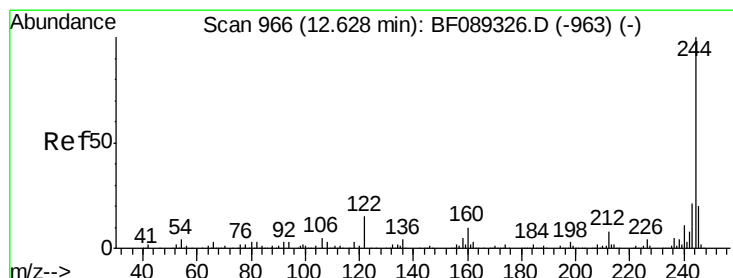
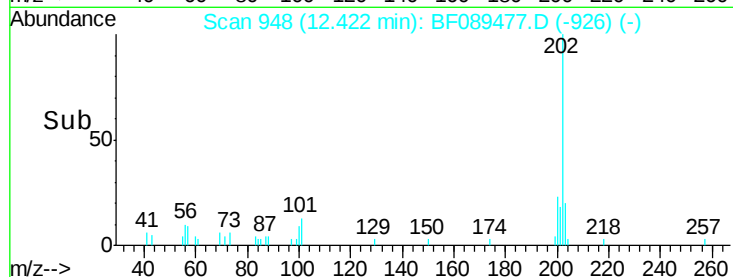
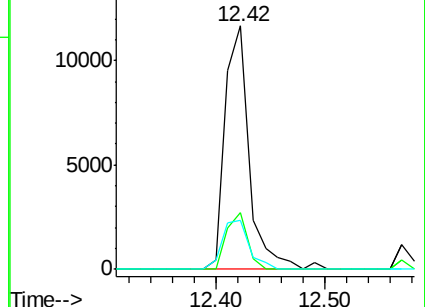
203 20.3 14.0 21.0



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: 67.50 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.06 min

Lab File: BF089477.D

Acq: 31 Jul 2016 18:19

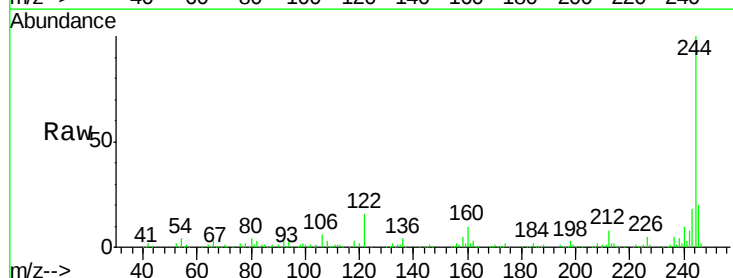
Tgt Ion:244 Resp: 259076

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

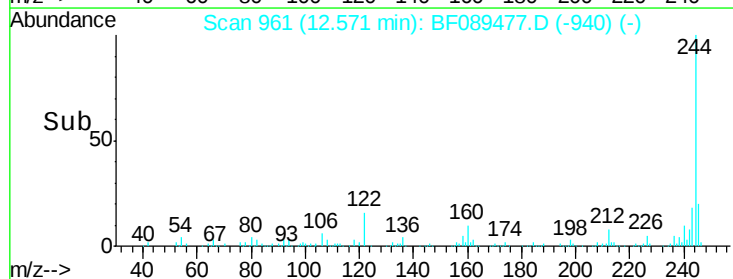
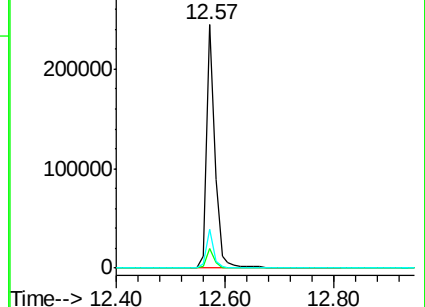
122 15.9 11.4 17.0

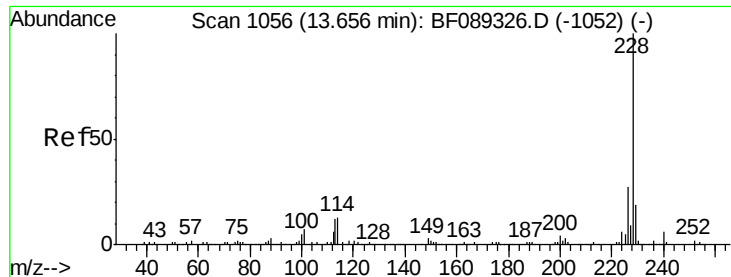


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

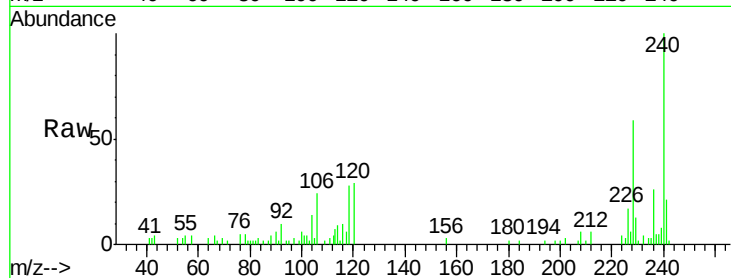




#80
Benzo(a)anthracene
Concen: 2.41 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.06 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.4	32.2
229	21.4	15.9	23.9

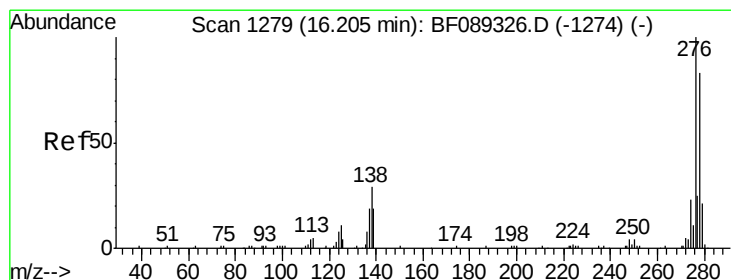
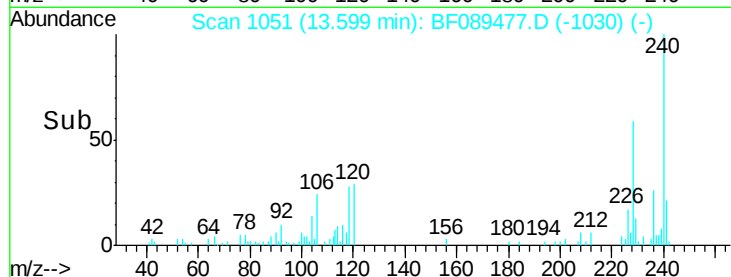
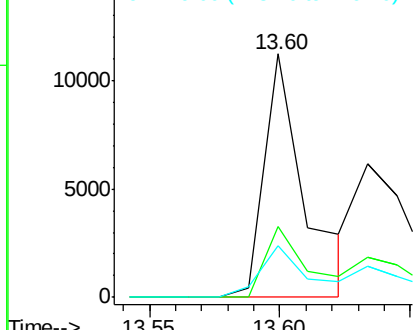


Abundance

Ion 228.00 (227.70 to 228.70): E

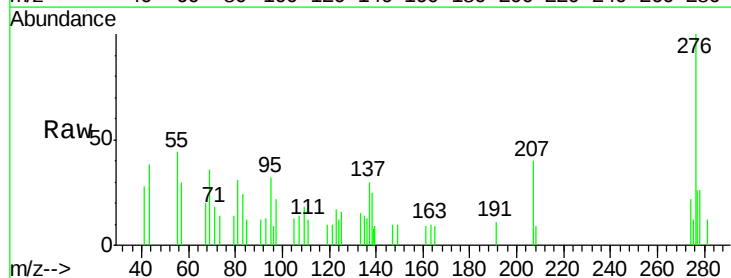
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.28 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	23.0	34.4
277	20.3	20.2	30.4

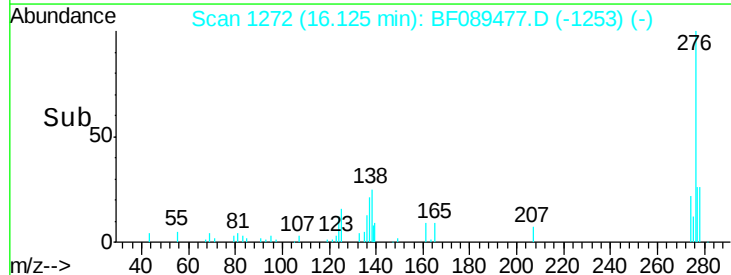
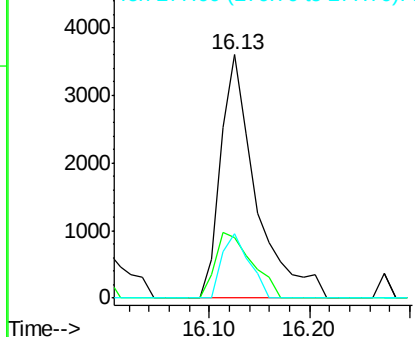


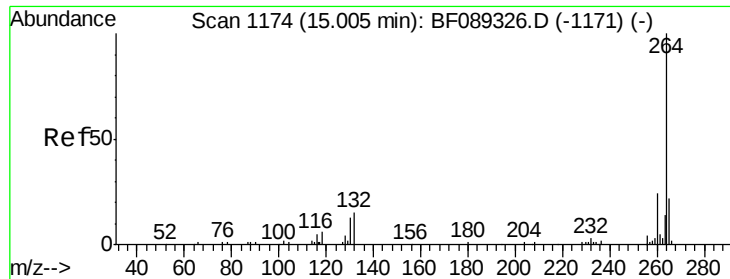
Abundance

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



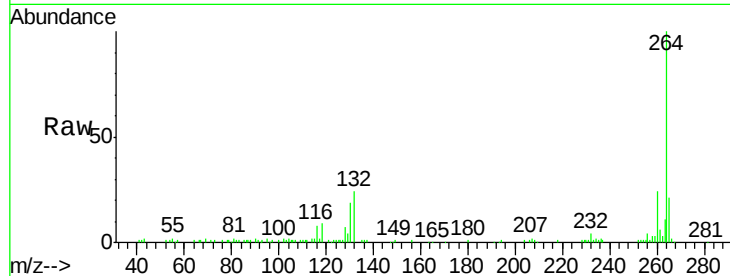


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

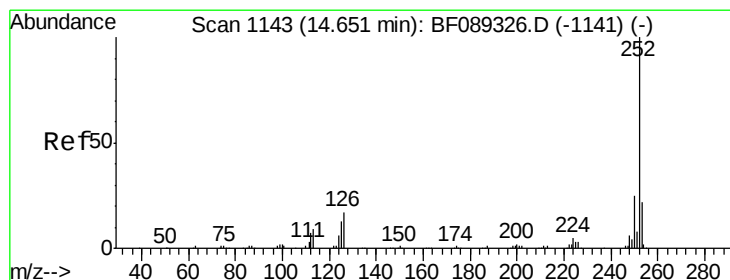
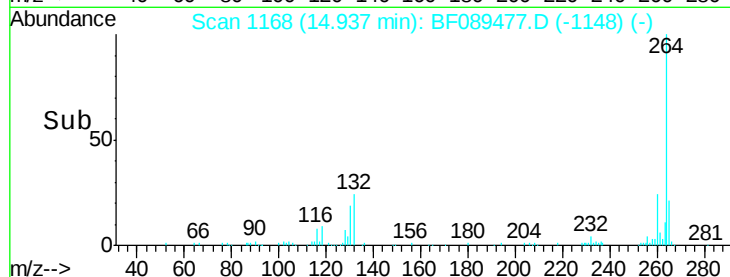
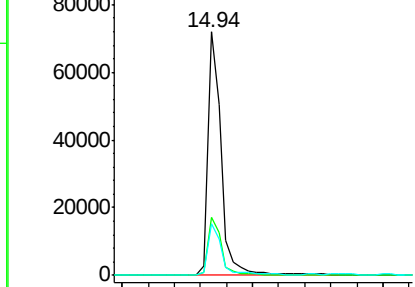
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 101943

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.2	17.5	26.3



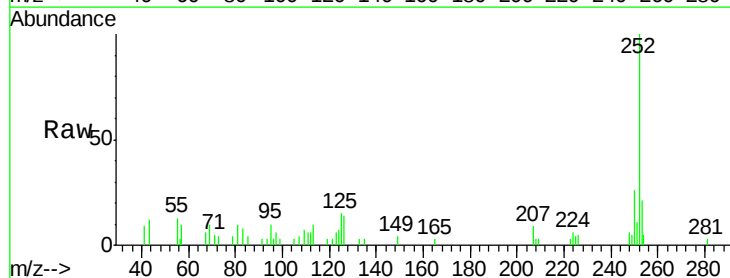
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



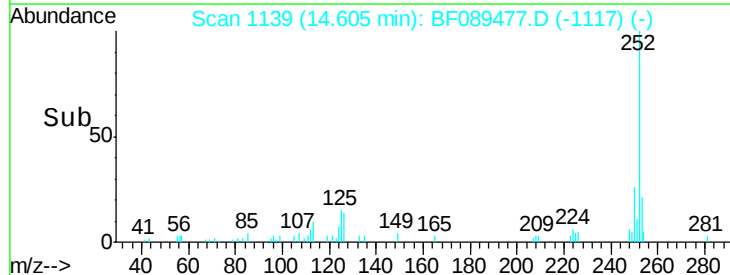
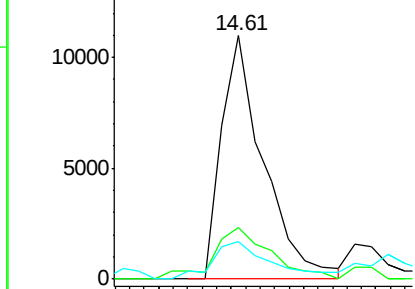
#87
Benzo(b)fluoranthene
Concen: 3.48 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

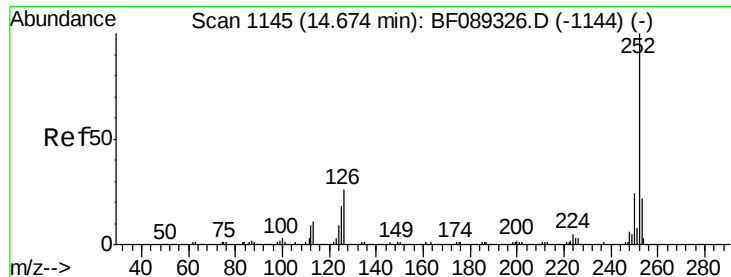
Tgt Ion:252 Resp: 22038

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	15.3	9.7	14.5#



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

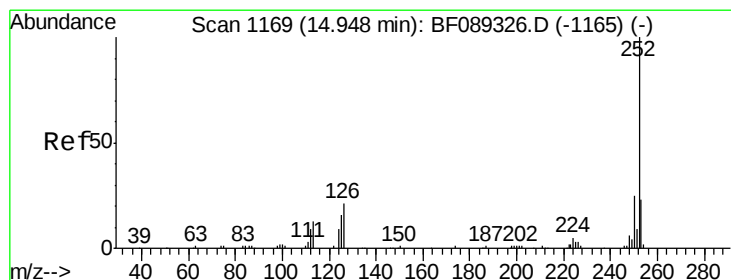
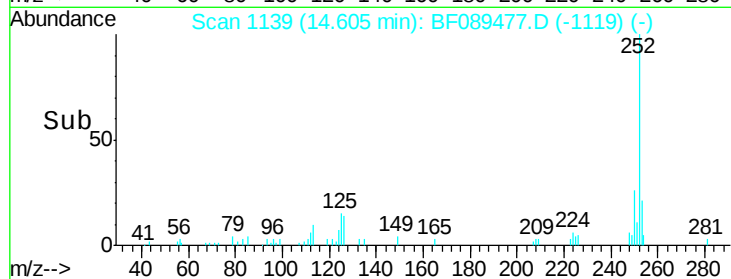
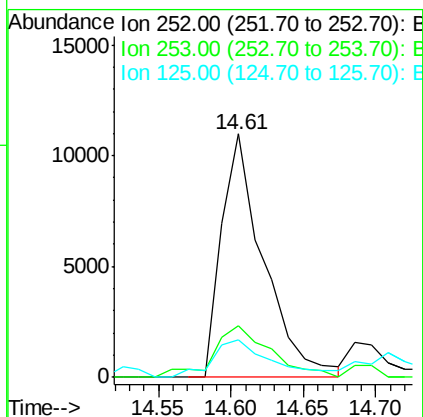
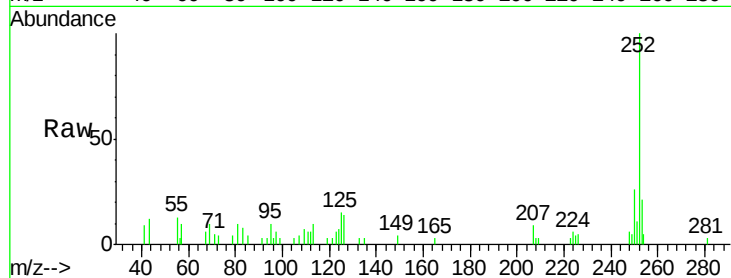




#88
Benzo(k)fluoranthene
Concen: 3.79 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 22038
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 15.3 10.7 16.1



#89
Benzo(a)pyrene
Concen: 2.06 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF089477.D
Acq: 31 Jul 2016 18:19

Tgt Ion:252 Resp: 11708
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 17.3 12.4 18.6

