

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089530.D
 Acq On : 2 Aug 2016 00:56
 Operator : UM/SJ
 Sample : H4287-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

Quant Time: Aug 02 01:50:10 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

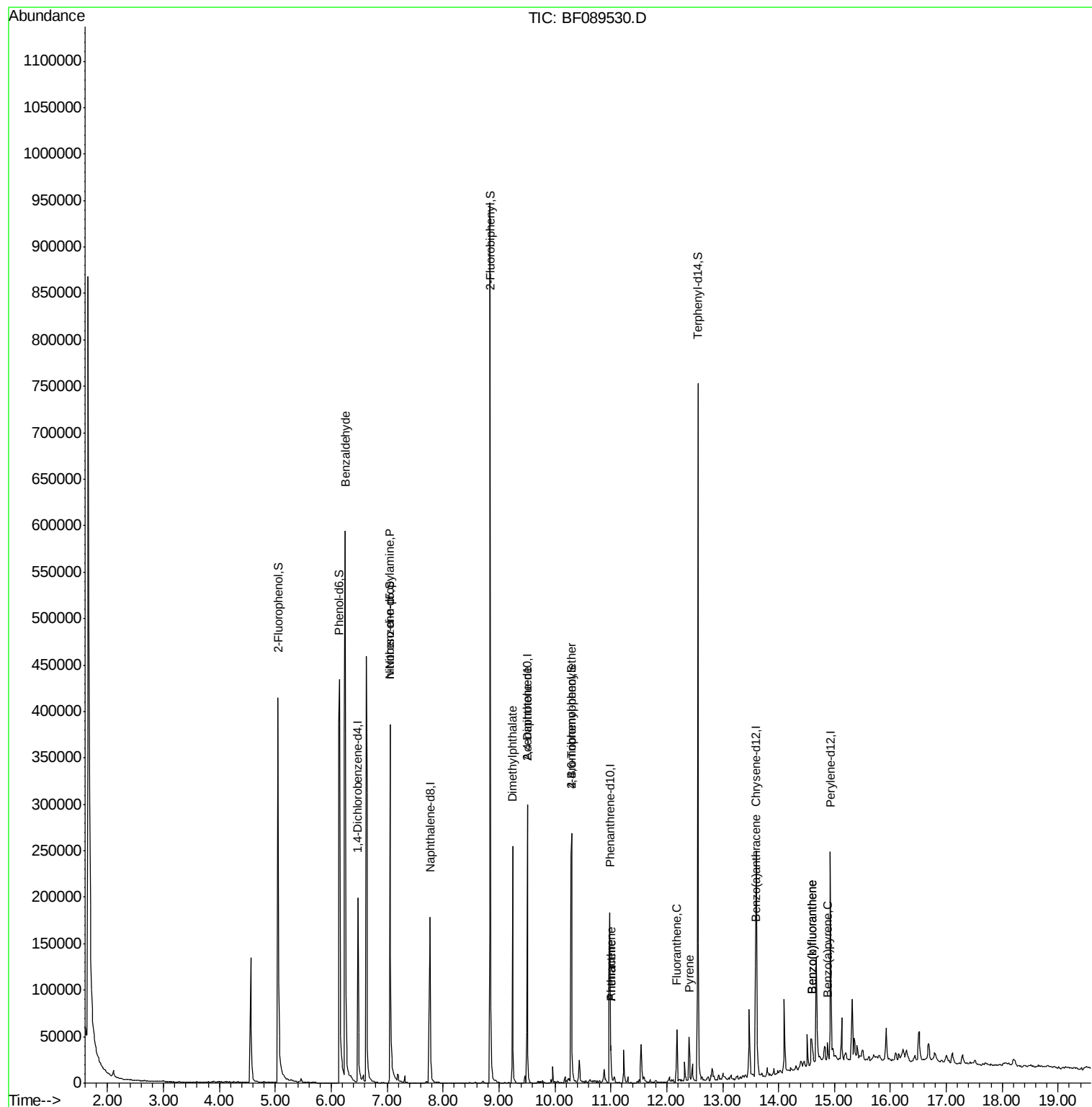
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	37611	20.00	ng	-0.07
21) Naphthalene-d8	7.77	136	137074	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	57690	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	98615	20.00	ng	-0.07
75) Chrysene-d12	13.60	240	93259	20.00	ng	-0.07
86) Perylene-d12	14.93	264	90071	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	215943	91.68	ng	-0.06
7) Phenol-d6	6.15	99	281156	90.32	ng	-0.06
23) Nitrobenzene-d5	7.05	82	172476	74.27	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	42388	88.72	ng	-0.07
44) 2-Fluorobiphenyl	8.84	172	300320	76.40	ng	-0.07
78) Terphenyl-d14	12.56	244	227806	57.17	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.25	77	5033	3.31	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.05	70	22631	12.06	ng	# 82
49) Dimethylphthalate	9.24	163	98682	22.48	ng	99
56) 2,4-Dinitrotoluene	9.51	165	7275	6.13	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	3188	3.39	ng	# 1
70) Phenanthrene	11.00	178	17327	3.41	ng	99
71) Anthracene	11.00	178	17327	3.06	ng	100
74) Fluoranthene	12.18	202	27994	5.23	ng	100
77) Pyrene	12.40	202	23261	3.29	ng	96
80) Benzo(a)anthracene	13.59	228	11853	2.25	ng	96
87) Benzo(b)fluoranthene	14.59	252	21331	3.81	ng	95
88) Benzo(k)fluoranthene	14.59	252	21331	4.15	ng	97
89) Benzo(a)pyrene	14.88	252	10273	2.05	ng	97

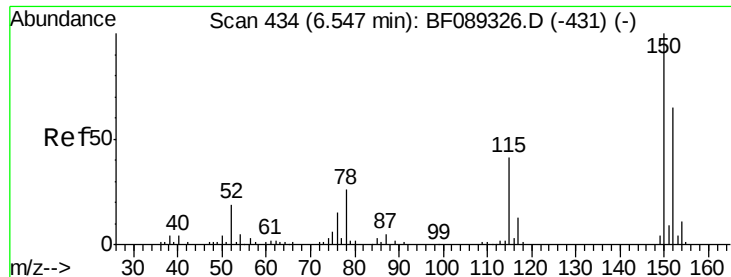
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.07 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

Instrument :

BNA_F

ClientSampleId :

SB-63-0.5-1.5

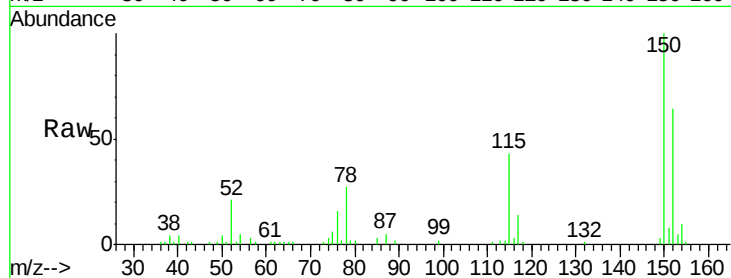
Tgt Ion:152 Resp: 37611

Ion Ratio Lower Upper

152 100

150 157.4 129.5 194.3

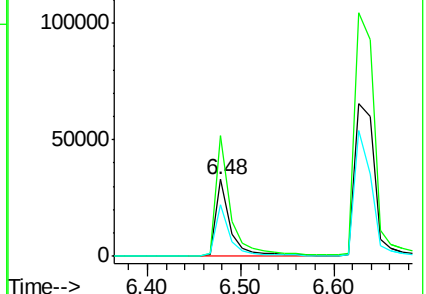
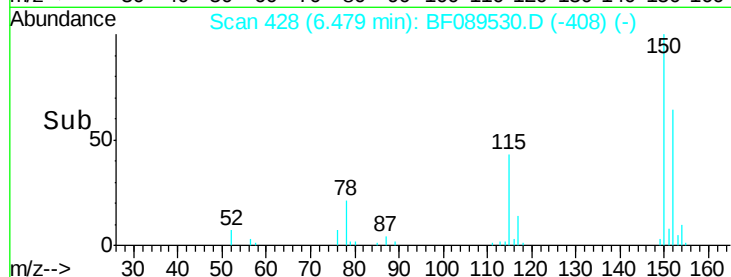
115 67.0 51.4 77.2



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: 91.68 ng

RT: 5.05 min Scan# 303

Delta R.T. -0.06 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

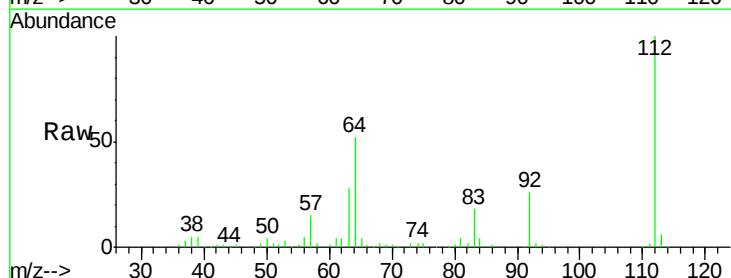
Tgt Ion:112 Resp: 215943

Ion Ratio Lower Upper

112 100

64 51.7 55.0 82.6#

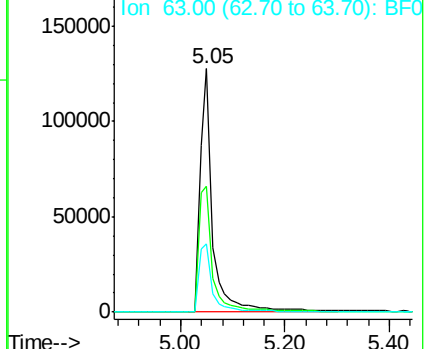
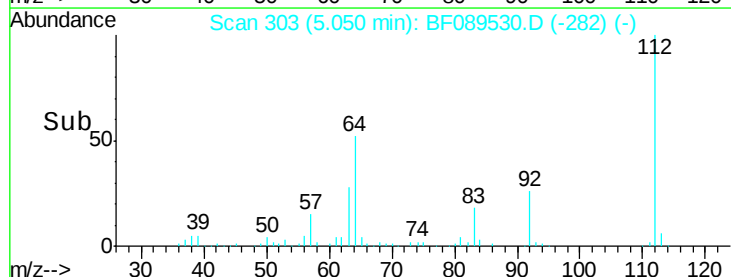
63 28.3 29.4 44.2#



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: 90.32 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

Instrument :

BNA_F

ClientSampleId :

SB-63-0.5-1.5

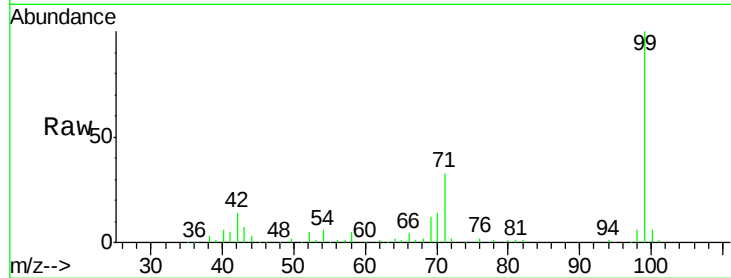
Tgt Ion: 99 Resp: 281156

Ion Ratio Lower Upper

99 100

42 14.1 13.6 20.4

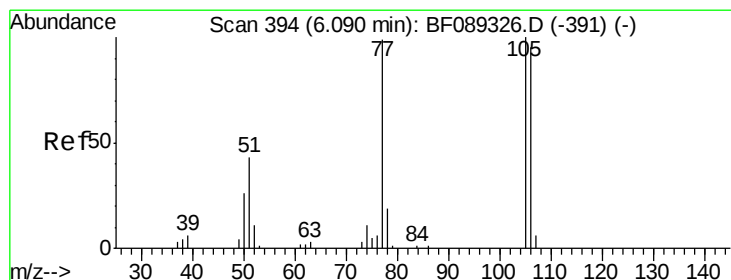
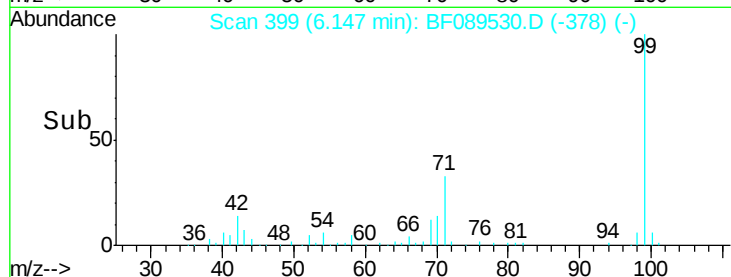
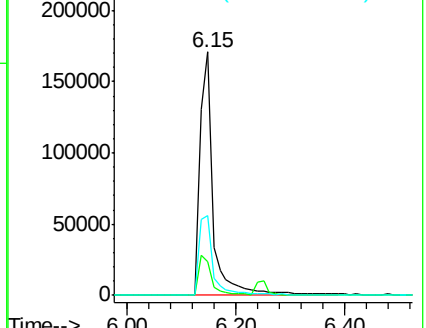
71 32.8 29.4 44.2



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: 3.31 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.16 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

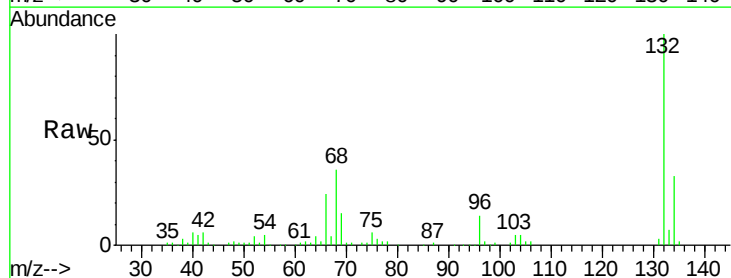
Tgt Ion: 77 Resp: 5033

Ion Ratio Lower Upper

77 100

105 90.5 82.9 122.9

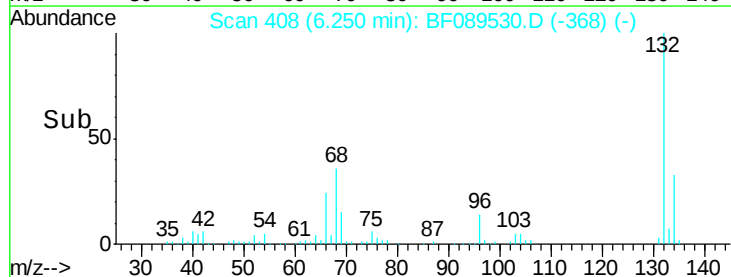
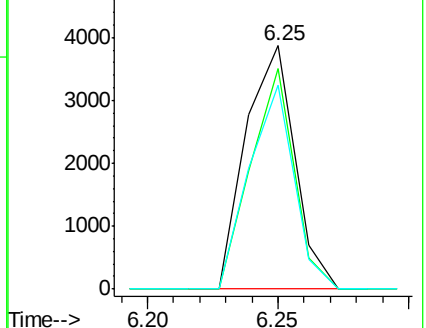
106 83.7 75.9 115.9

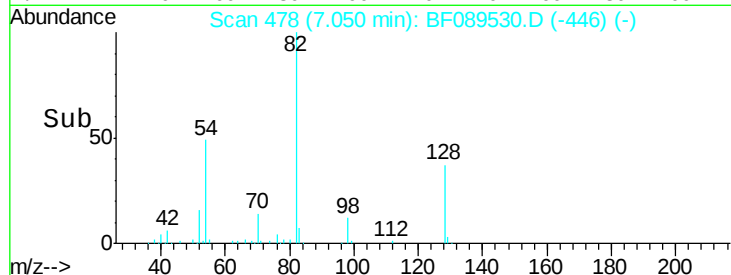
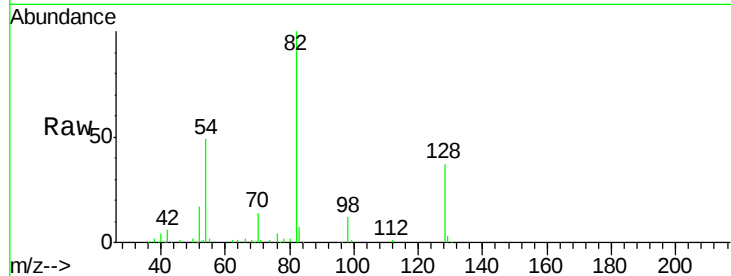
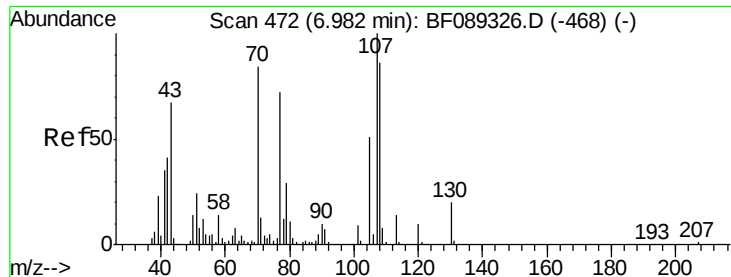


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

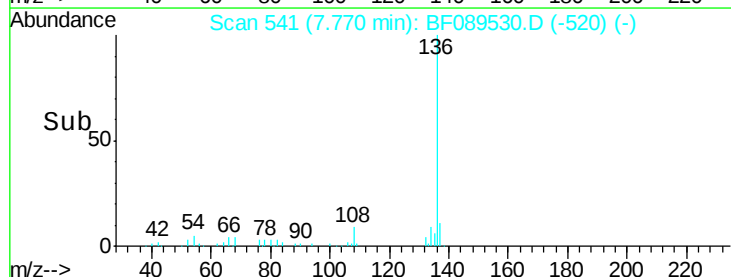
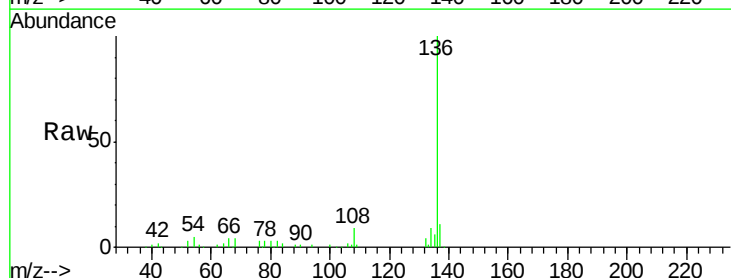
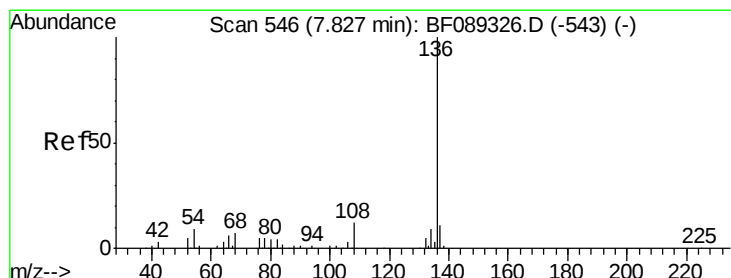
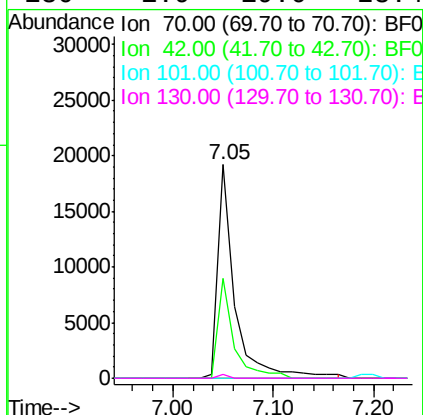




#19
n-Nitroso-di-n-propylamine
Concen: 12.06 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.07 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

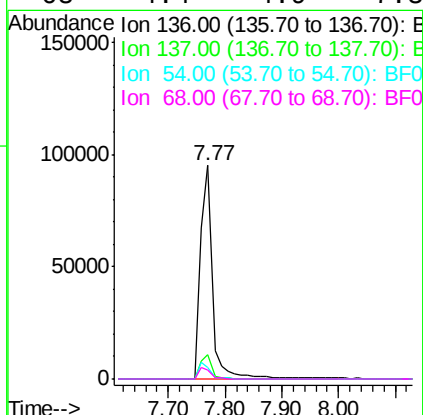
Instrument :
BNA_F
ClientSampleId :
SB-63-0.5-1.5

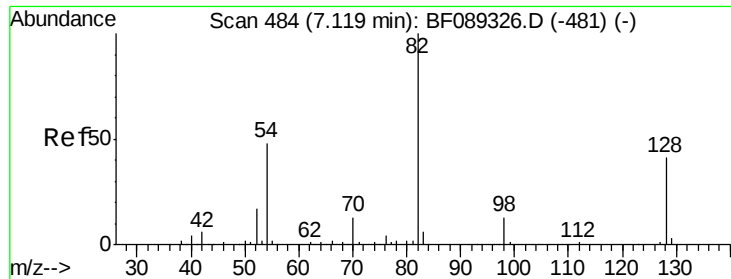
Tgt Ion:	70	Resp:	22631
Ion Ratio	Lower	Upper	
70	100		
42	46.7	38.6	57.8
101	0.0	8.3	12.5#
130	1.9	19.0	28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

Tgt Ion:	136	Resp:	137074
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	5.4	7.0	10.4#
68	4.4	4.9	7.3#

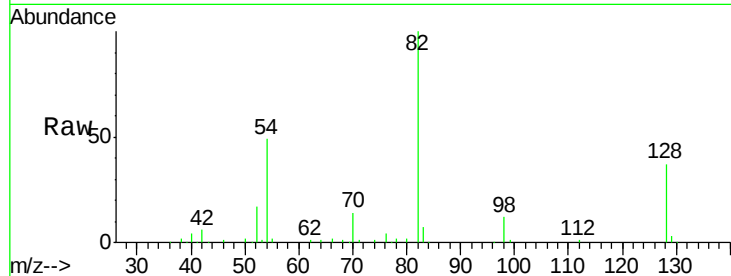




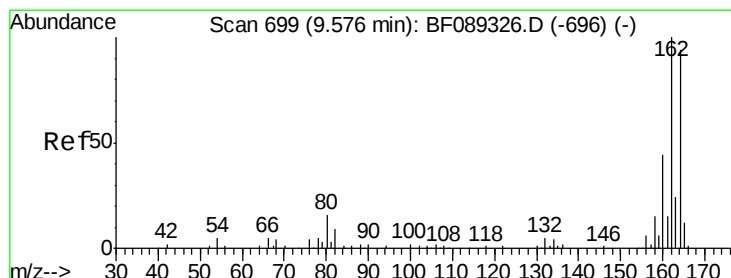
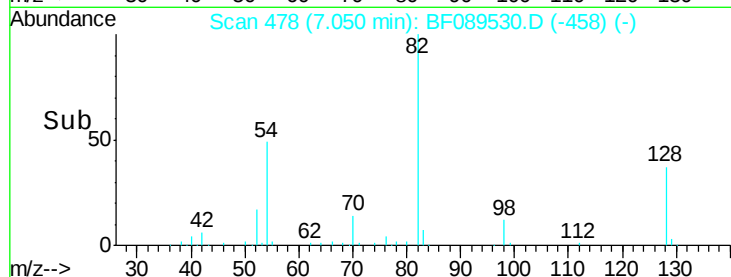
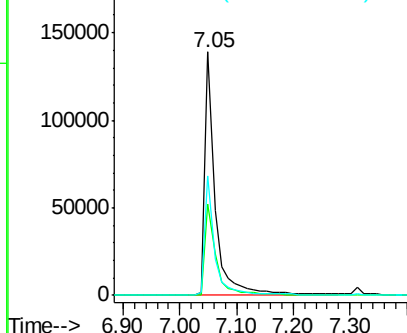
#23
 Nitrobenzene-d5
 Concen: 74.27 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

Tgt Ion: 82 Resp: 172476
 Ion Ratio Lower Upper
 82 100
 128 37.5 32.5 48.7
 54 49.1 38.8 58.2

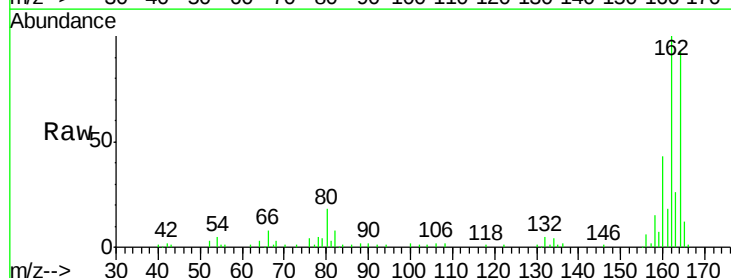


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

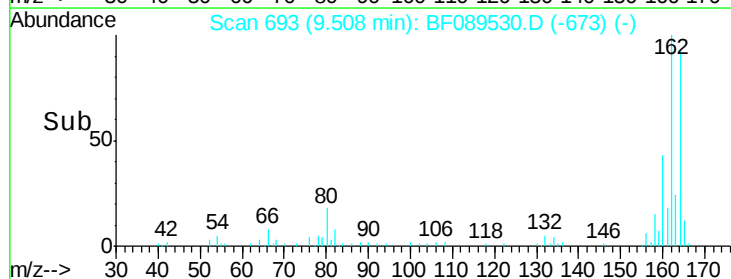
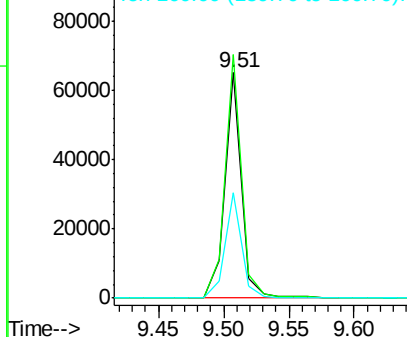


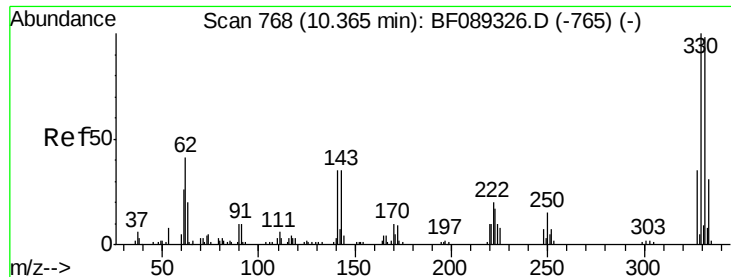
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Tgt Ion: 164 Resp: 57690
 Ion Ratio Lower Upper
 164 100
 162 107.9 83.7 125.5
 160 46.5 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

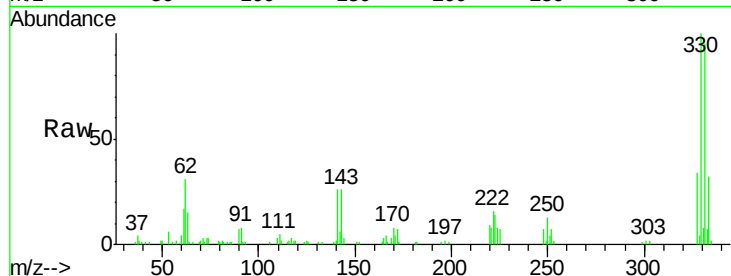




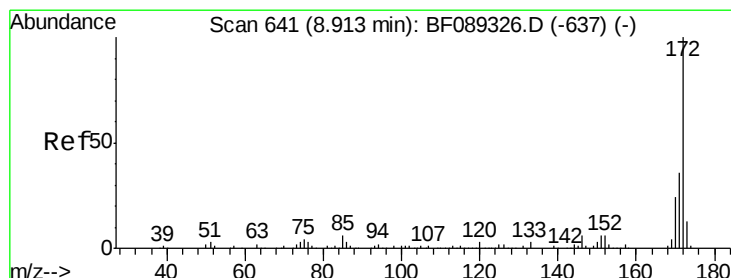
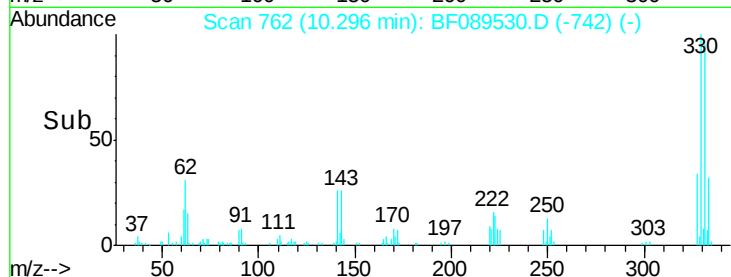
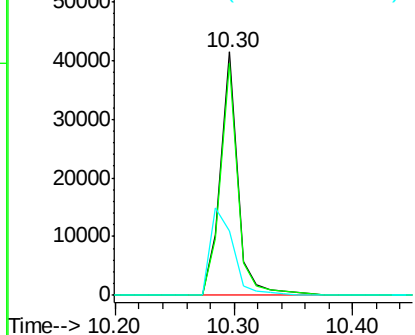
#41
 2,4,6-Tribromophenol
 Concen: 88.72 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

Tgt Ion:330 Resp: 42388
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 46.8 37.3 55.9

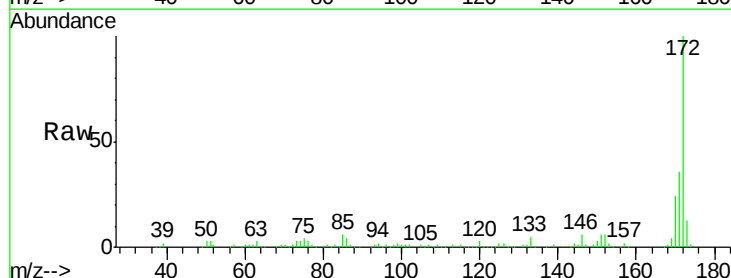


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

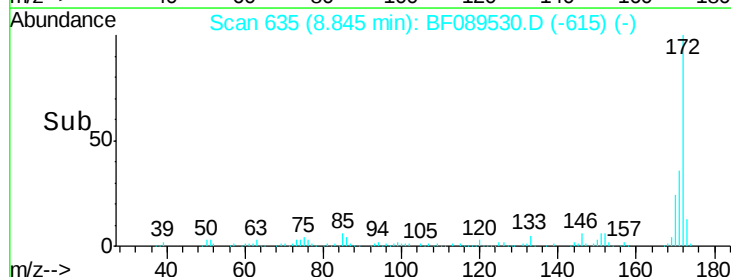
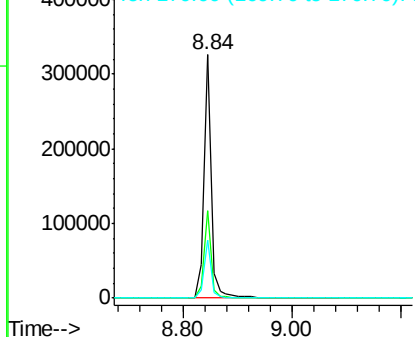


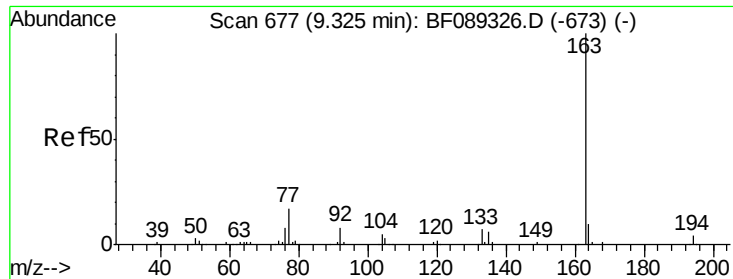
#44
 2-Fluorobiphenyl
 Concen: 76.40 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Tgt Ion:172 Resp: 300320
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.9 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

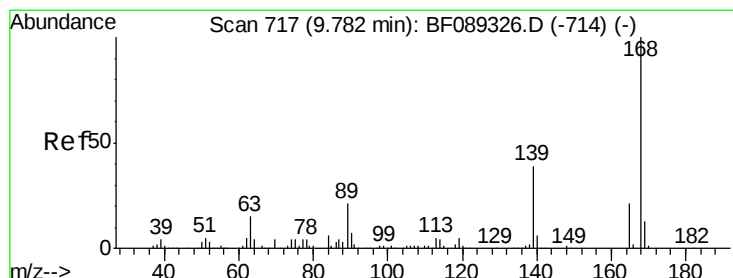
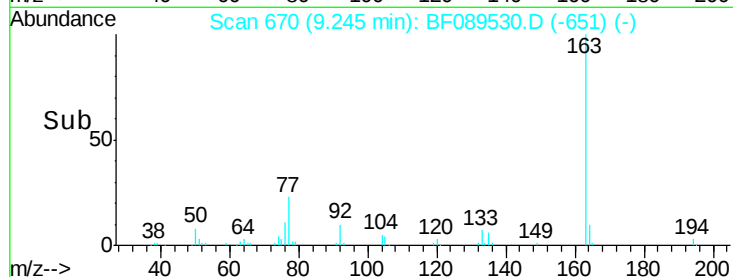
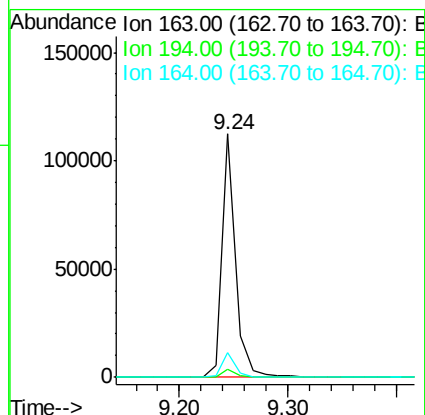
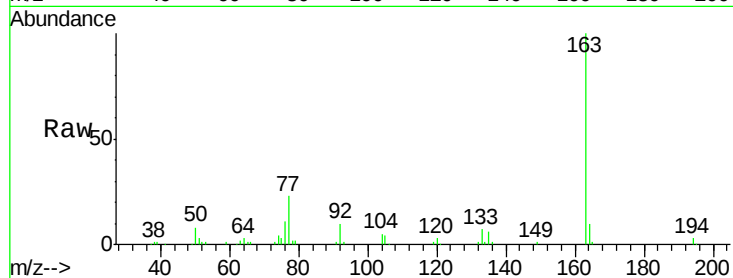




#49
Dimethylphthalate
Concen: 22.48 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.08 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

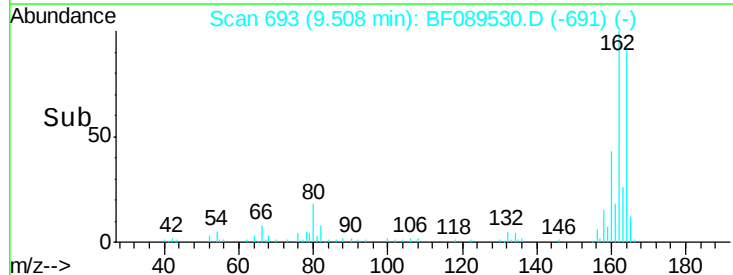
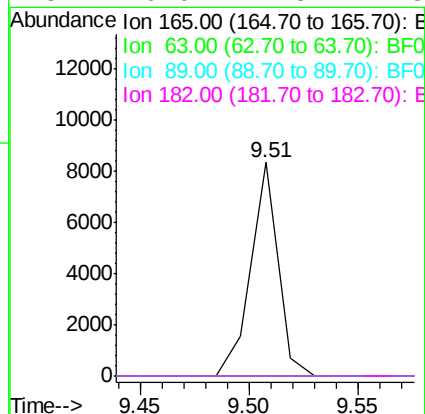
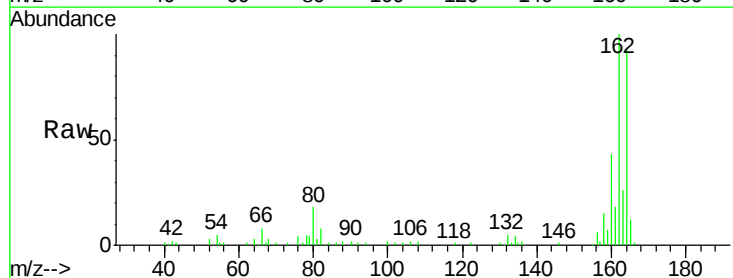
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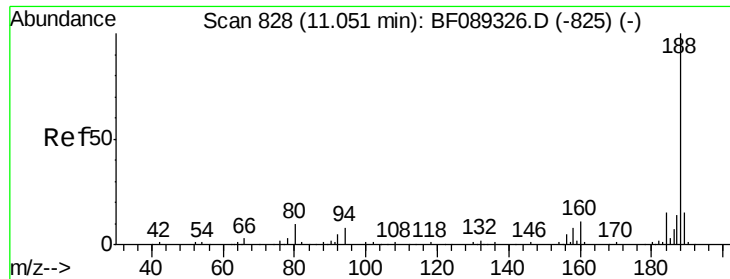
Tgt Ion:163 Resp: 98682
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.1 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.13 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.27 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

Tgt Ion:165 Resp: 7275
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#

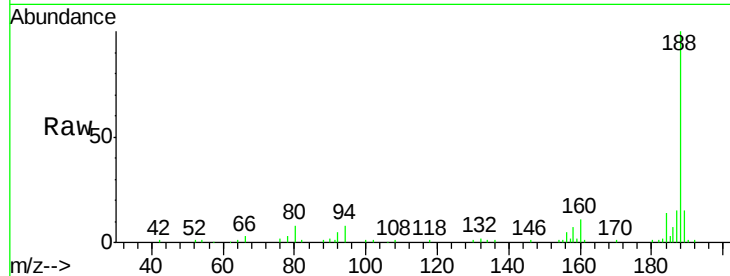




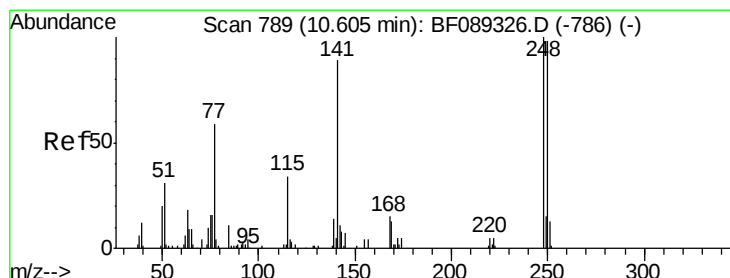
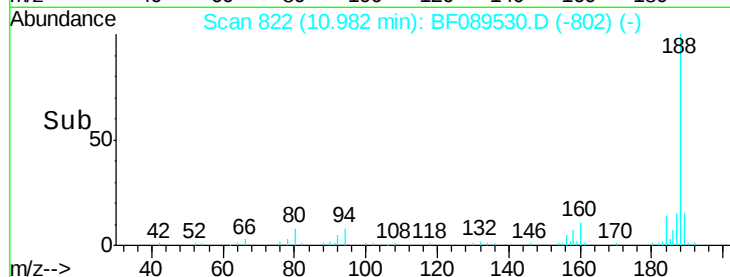
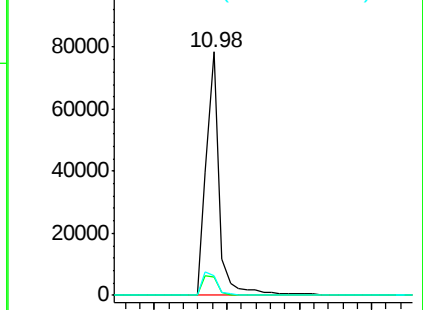
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

Tgt Ion:188 Resp: 98615
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.5 9.7
 80 8.1 7.2 10.8

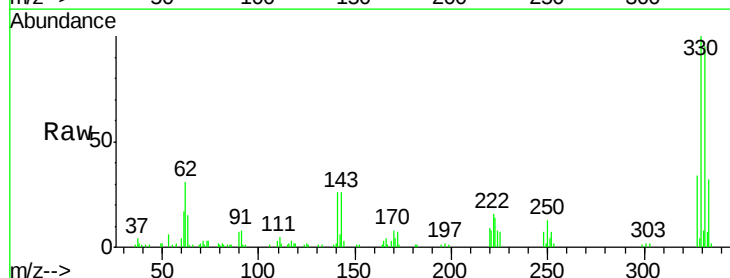


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

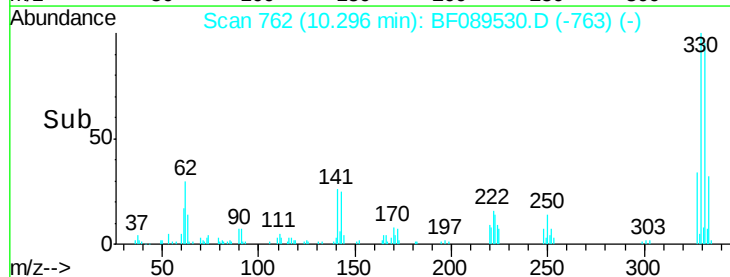
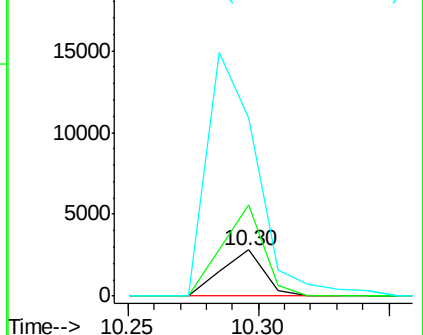


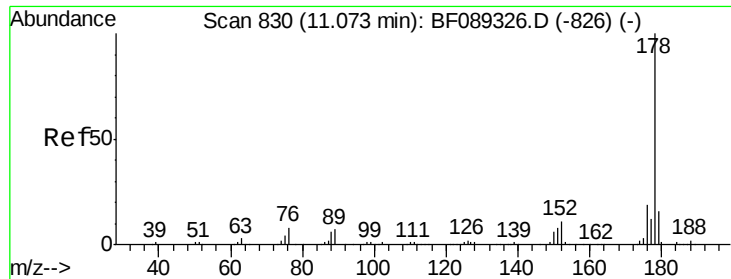
#66
 4-Bromophenyl-phenylether
 Concen: 3.39 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.31 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Tgt Ion:248 Resp: 3188
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.2 117.2#
 141 389.8 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

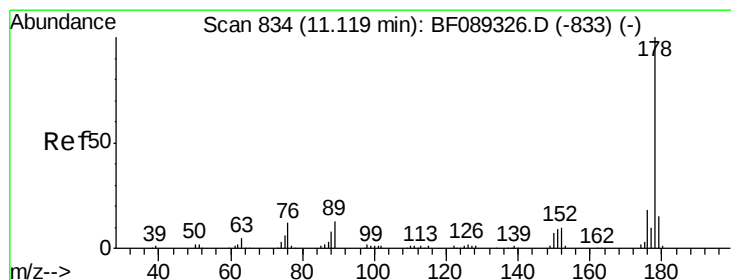
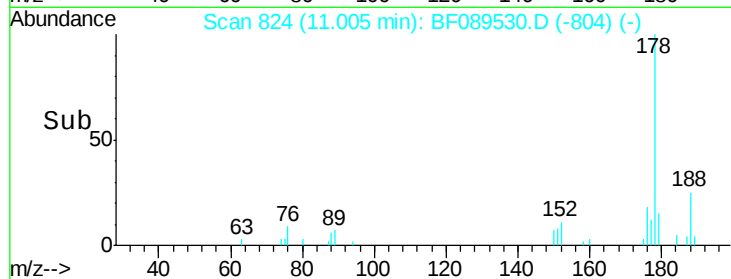
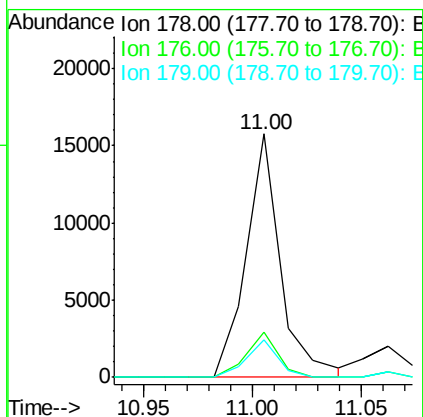
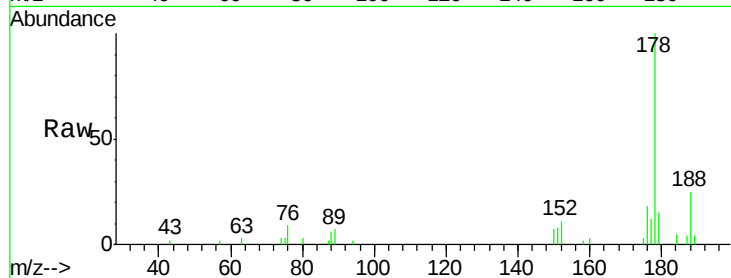




#70
Phenanthrene
Concen: 3.41 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.07 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

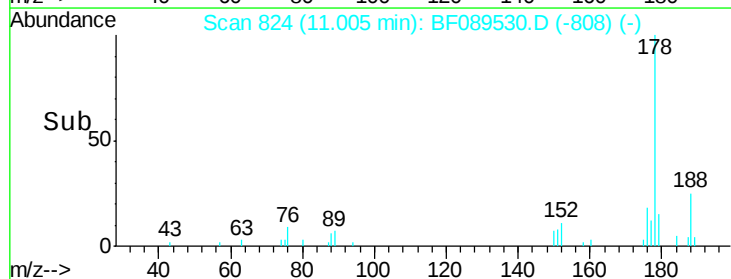
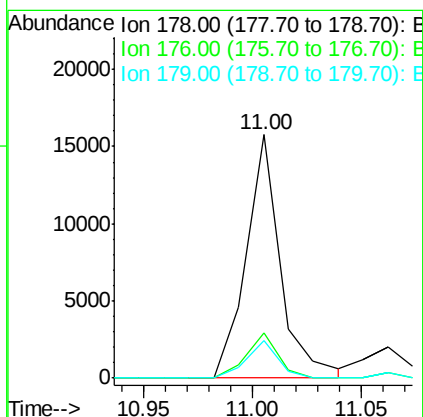
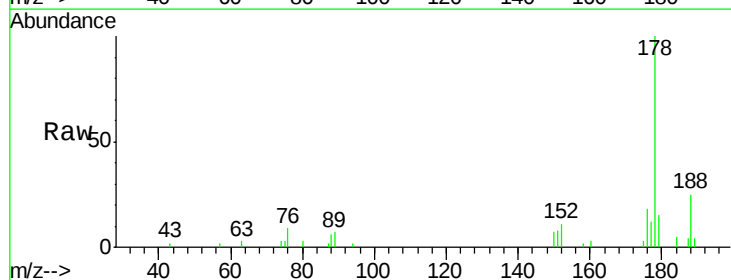
Instrument :
BNA_F
ClientSampleId :
SB-63-0.5-1.5

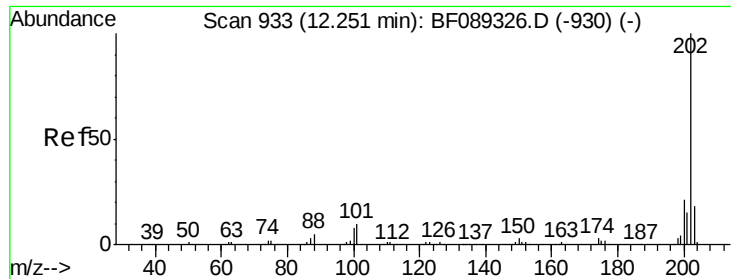
Tgt Ion:178 Resp: 17327
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.3 12.3 18.5



#71
Anthracene
Concen: 3.06 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.11 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

Tgt Ion:178 Resp: 17327
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.6 18.8

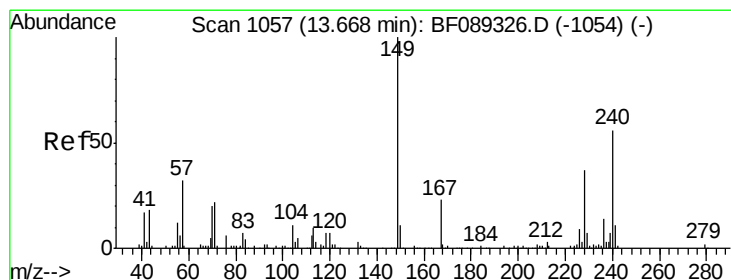
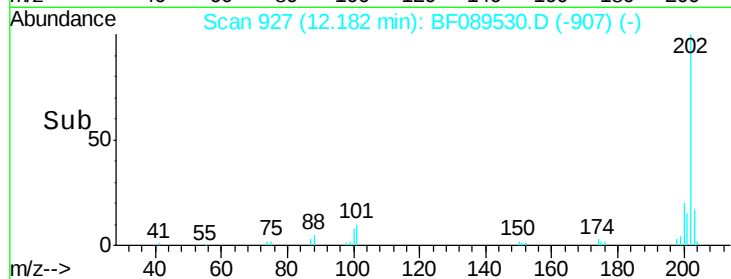
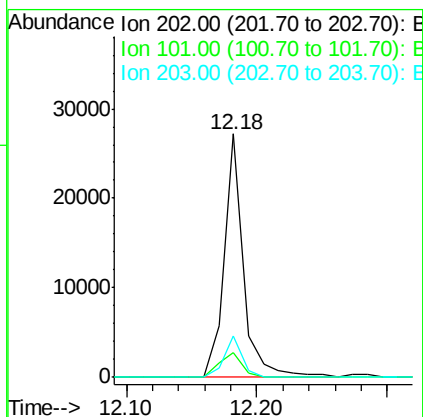
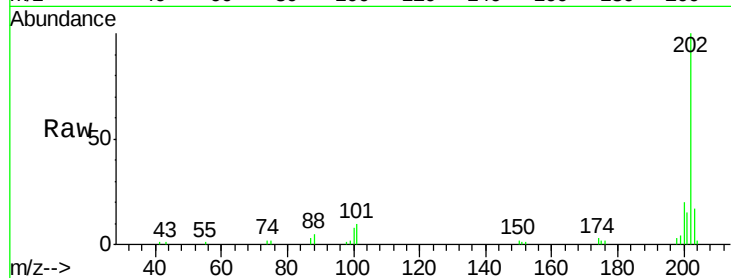




#74
 Fluoranthene
 Concen: 5.23 ng
 RT: 12.18 min Scan# 927
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

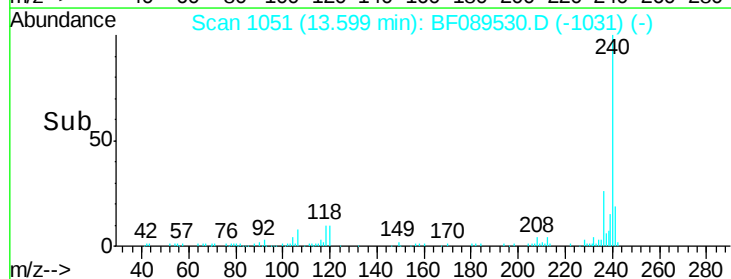
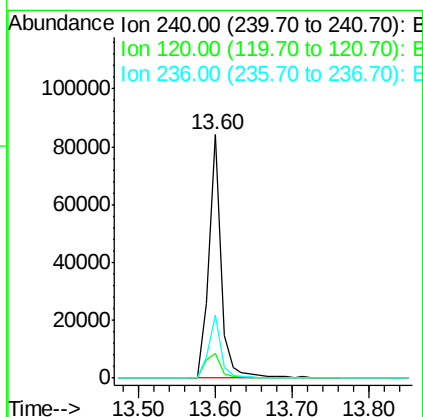
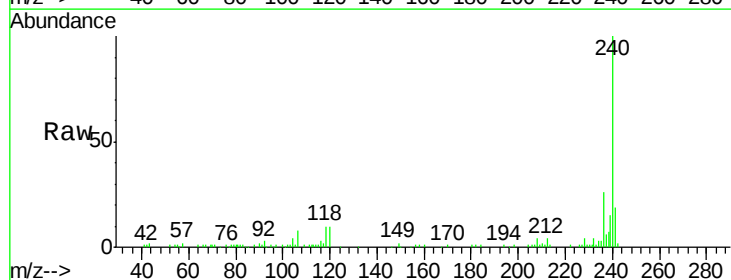
Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

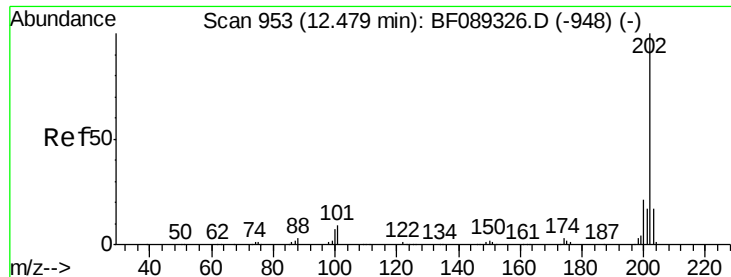
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.9
203	17.1	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.1	13.7
236	25.9	20.6	30.8

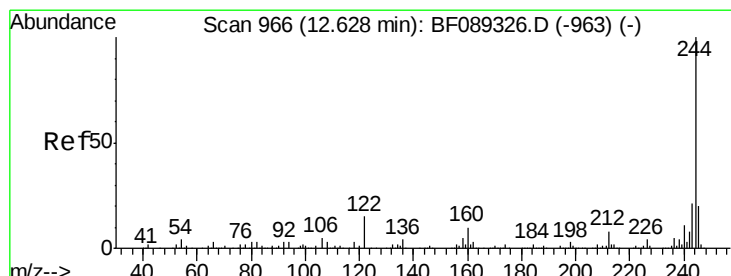
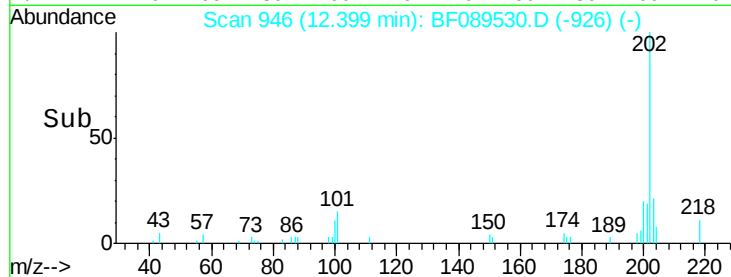
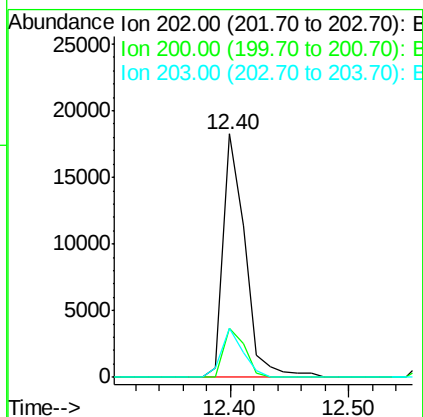
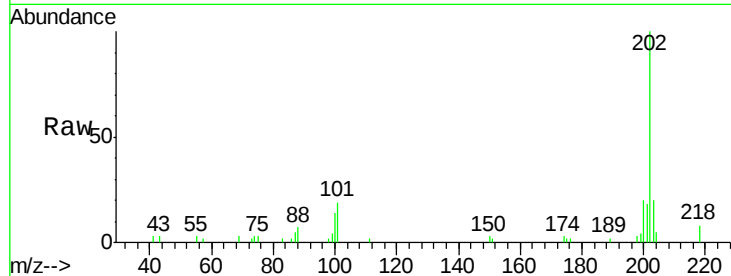




#77
 Pyrene
 Concen: 3.29 ng
 RT: 12.40 min Scan# 946
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

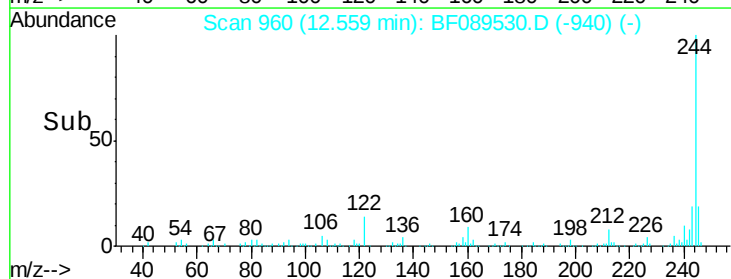
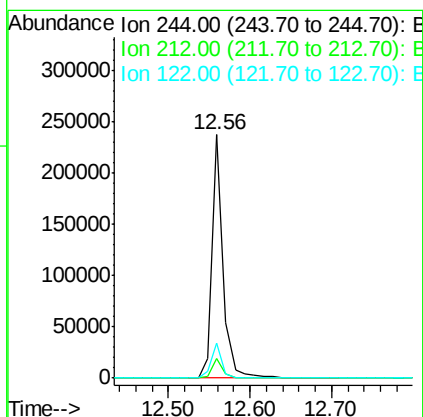
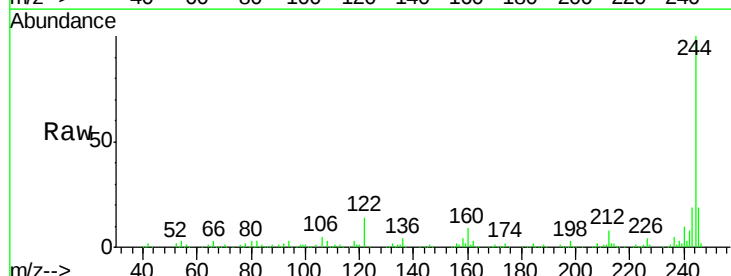
Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

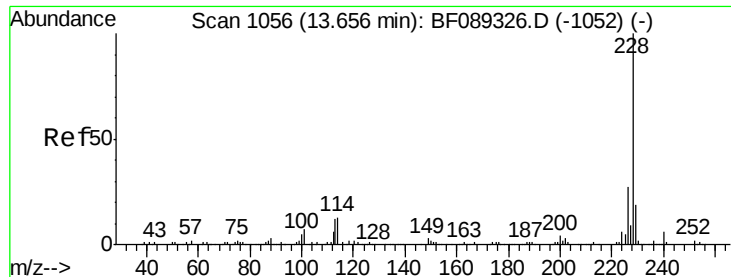
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.9	25.3
203	20.0	14.0	21.0



#78
 Terphenyl-d14
 Concen: 57.17 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.5	9.7
122	14.1	11.4	17.0





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.07 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

Instrument :

BNA_F

ClientSampleId :

SB-63-0.5-1.5

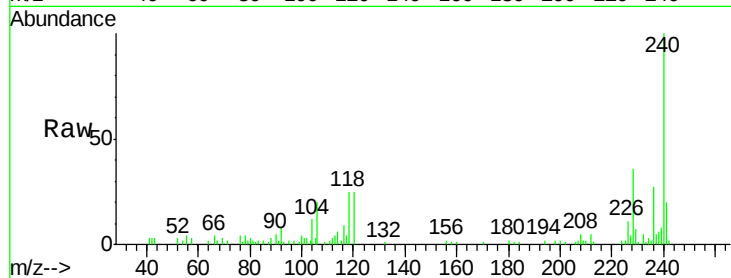
Tgt Ion: 228 Resp: 11853

Ion Ratio Lower Upper

228 100

226 30.1 21.4 32.2

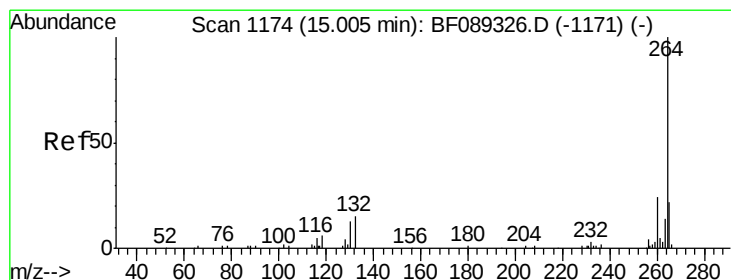
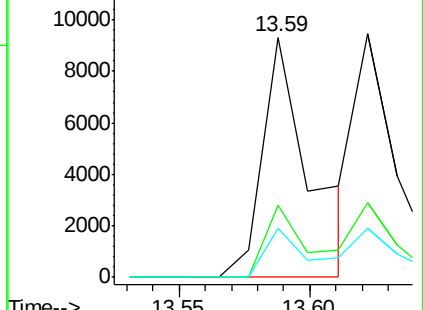
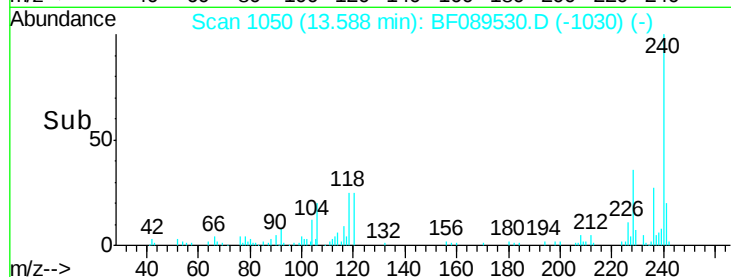
229 20.6 15.9 23.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF089530.D

Acq: 2 Aug 2016 00:56

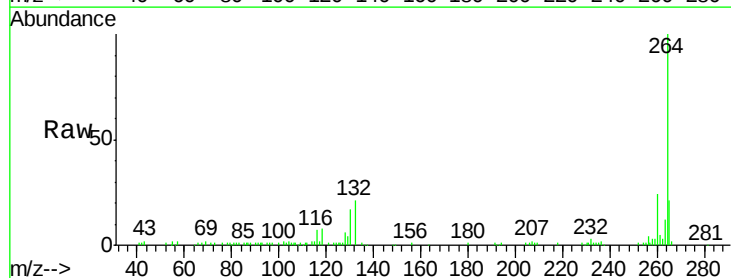
Tgt Ion: 264 Resp: 90071

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

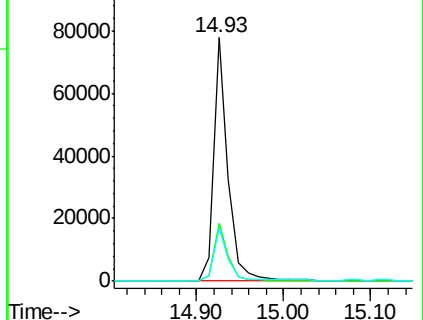
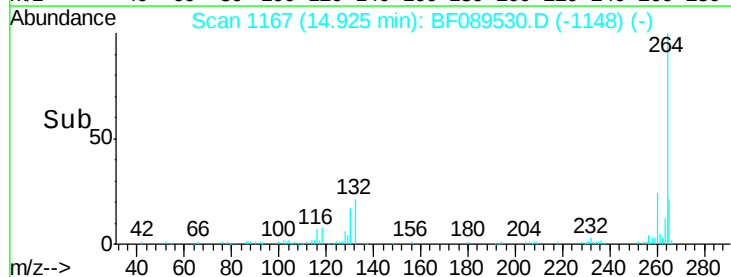
265 21.5 17.5 26.3

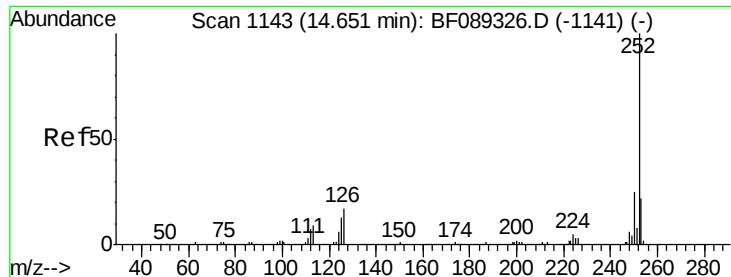


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

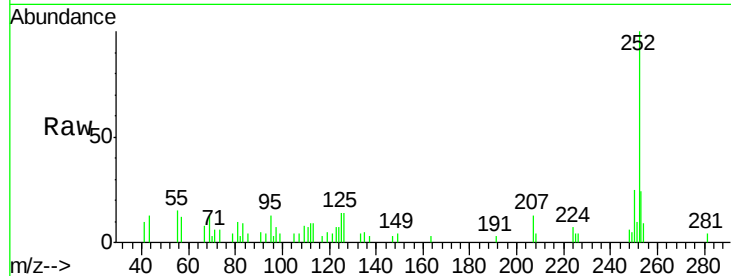




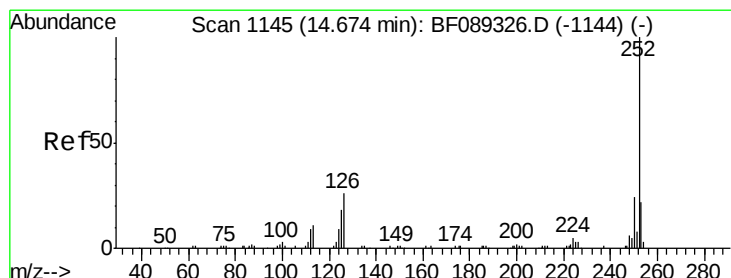
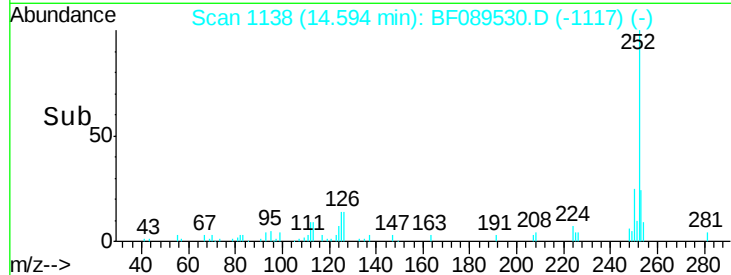
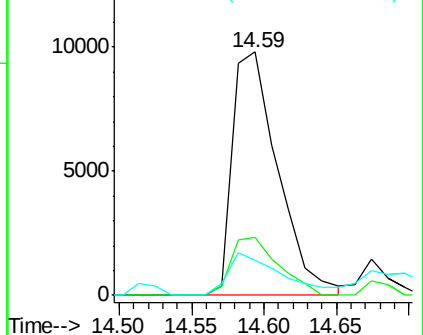
#87
Benzo(b)fluoranthene
Concen: 3.81 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.06 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

Instrument :
BNA_F
ClientSampleId :
SB-63-0.5-1.5

Tgt Ion:252 Resp: 21331
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 14.2 9.7 14.5

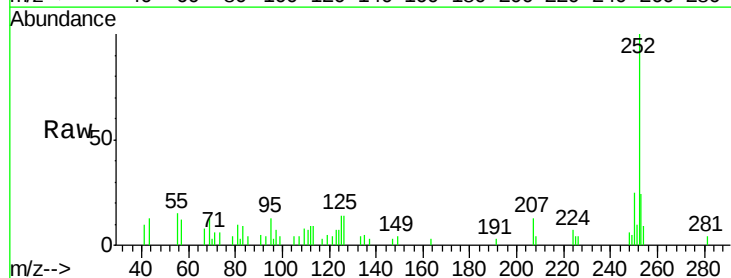


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

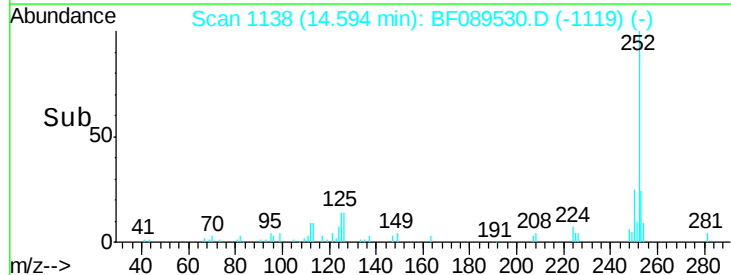
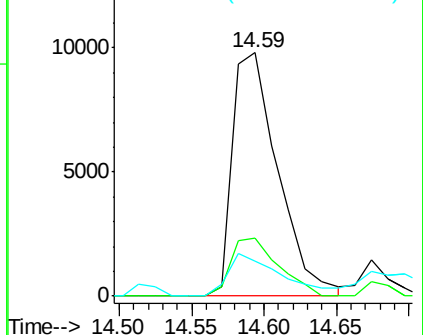


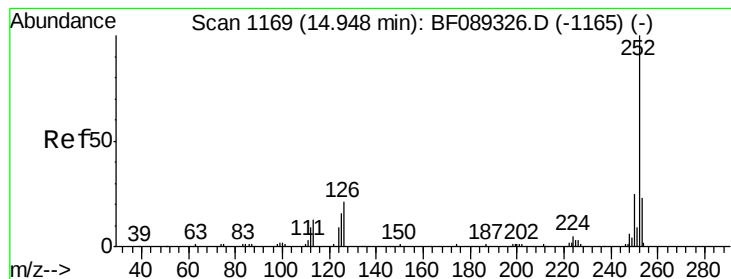
#88
Benzo(k)fluoranthene
Concen: 4.15 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.08 min
Lab File: BF089530.D
Acq: 2 Aug 2016 00:56

Tgt Ion:252 Resp: 21331
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 14.2 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.05 ng
 RT: 14.88 min Scan# 1163
 Delta R.T. -0.07 min
 Lab File: BF089530.D
 Acq: 2 Aug 2016 00:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-63-0.5-1.5

Tgt Ion:	252	Resp:	10273
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	16.2	12.4	18.6

