

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089526.D
 Acq On : 1 Aug 2016 22:56
 Operator : UM/SJ
 Sample : H4269-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-17.5-18.5

Quant Time: Aug 02 01:49:13 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	45614	20.00	ng	-0.07
21) Naphthalene-d8	7.77	136	173901	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	73959	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	110309	20.00	ng	-0.07
75) Chrysene-d12	13.60	240	92409	20.00	ng	-0.07
86) Perylene-d12	14.93	264	75844	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.04	112	293316	102.68	ng	-0.07
7) Phenol-d6	6.15	99	398266	105.49	ng	-0.06
23) Nitrobenzene-d5	7.05	82	232513	78.92	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	55948	91.34	ng	-0.07
44) 2-Fluorobiphenyl	8.84	172	399291	79.23	ng	-0.07
78) Terphenyl-d14	12.56	244	240227	60.84	ng	-0.07

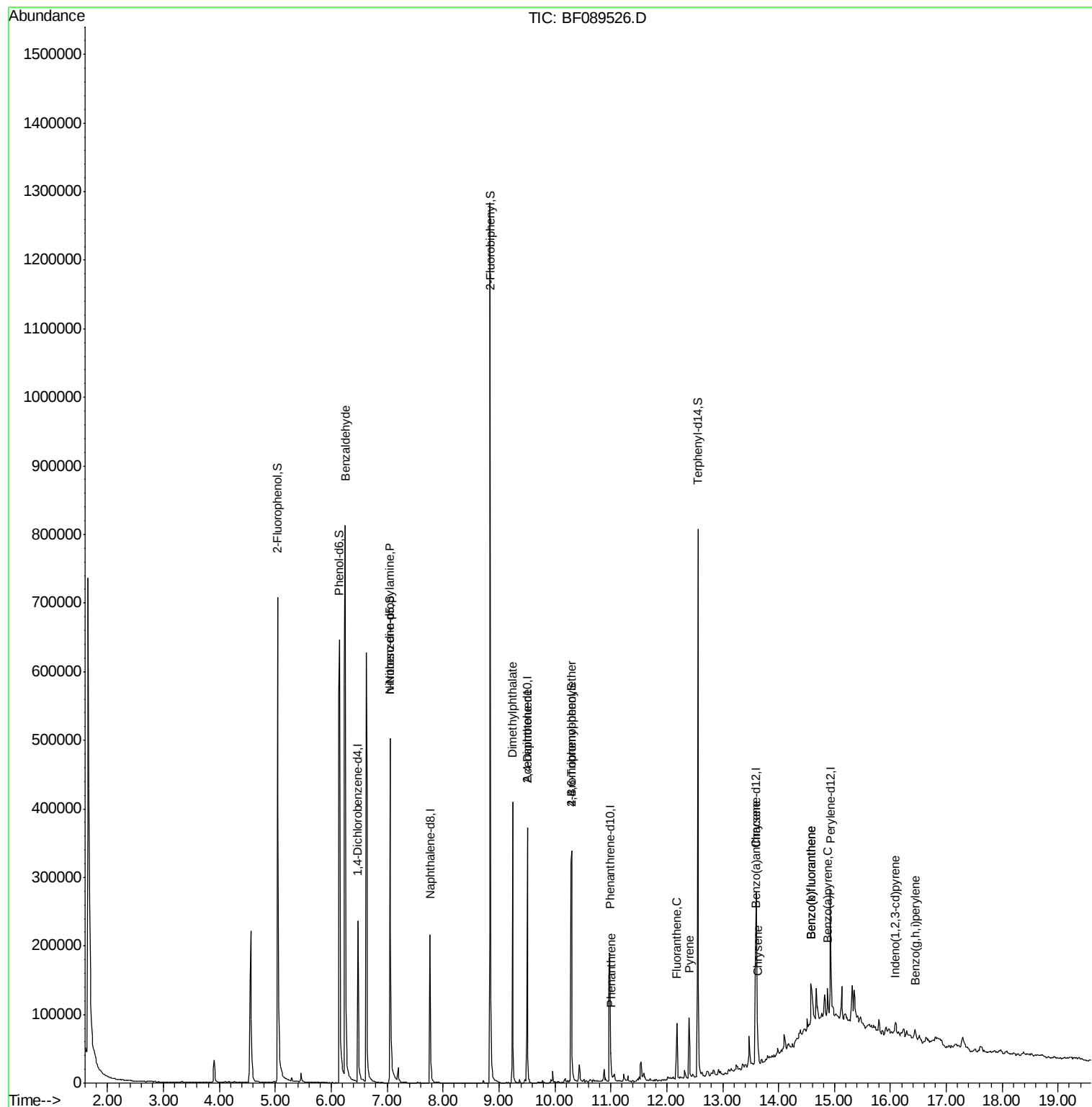
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.25	77	7378	4.00	ng	83
19) n-Nitroso-di-n-propylamine	7.05	70	30697	13.48	ng	# 81
49) Dimethylphthalate	9.24	163	153861	27.33	ng	99
56) 2,4-Dinitrotoluene	9.51	165	9214	6.05	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	4000	3.80	ng	# 1
70) Phenanthrene	11.00	178	18648	3.28	ng	97
74) Fluoranthene	12.18	202	40391	6.75	ng	100
77) Pyrene	12.40	202	40744	5.82	ng	96
80) Benzo(a)anthracene	13.59	228	25312	4.85	ng	95
82) Chrysene	13.62	228	18070	3.26	ng	96
85) Indeno(1,2,3-cd)pyrene	16.09	276	11841	3.00	ng	# 84
87) Benzo(b)fluoranthene	14.58	252	37712	8.01	ng	# 89
88) Benzo(k)fluoranthene	14.58	252	37712	8.71	ng	# 92
89) Benzo(a)pyrene	14.88	252	17512	4.14	ng	# 91
91) Benzo(g,h,i)perylene	16.45	276	12355	3.78	ng	# 95

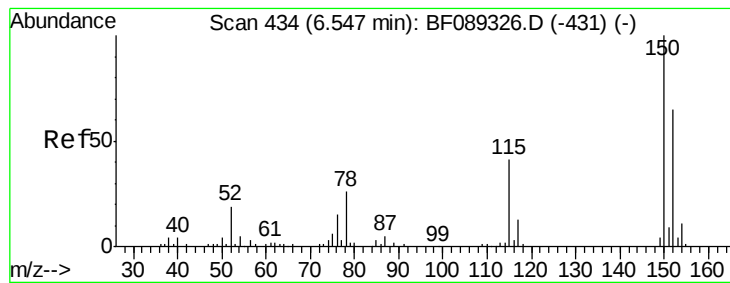
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.07 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5

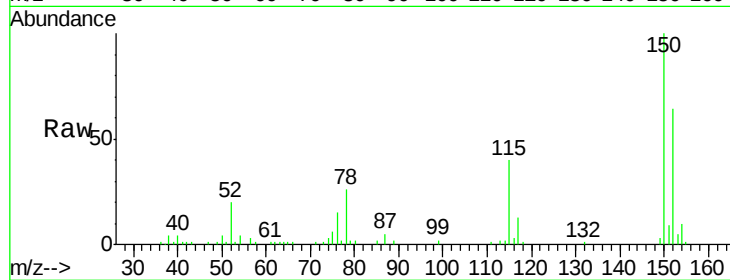
Tgt Ion:152 Resp: 45614

Ion Ratio Lower Upper

152 100

150 156.7 129.5 194.3

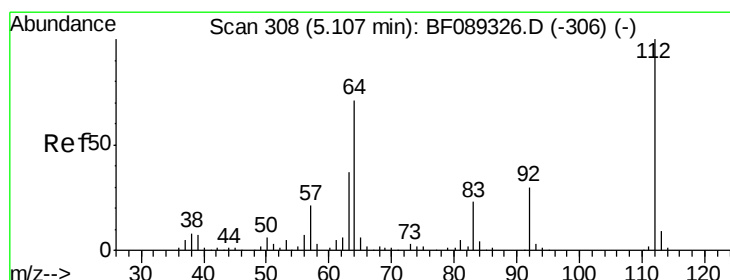
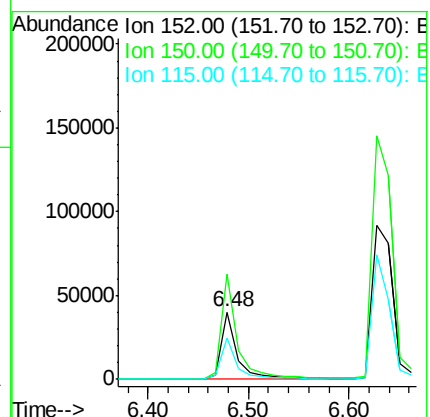
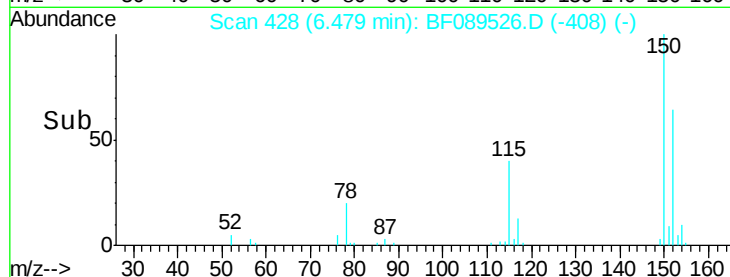
115 62.4 51.4 77.2



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: 102.68 ng

RT: 5.04 min Scan# 302

Delta R.T. -0.07 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

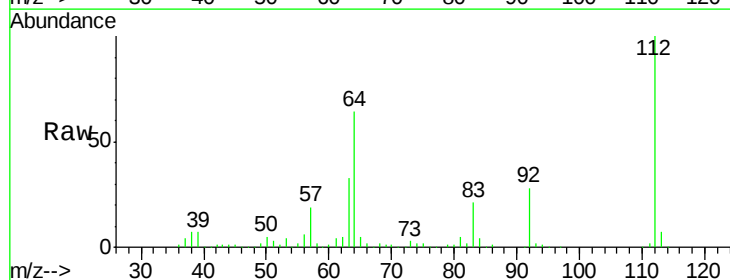
Tgt Ion:112 Resp: 293316

Ion Ratio Lower Upper

112 100

64 63.9 55.0 82.6

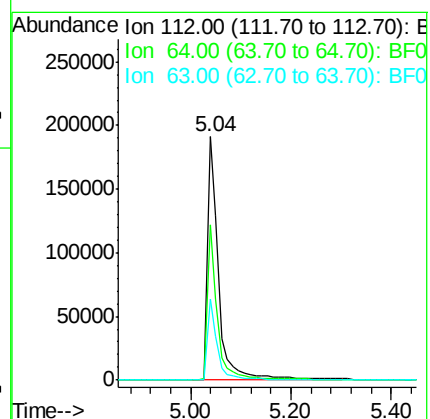
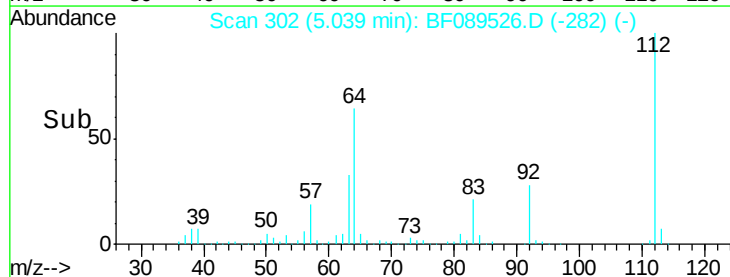
63 33.1 29.4 44.2

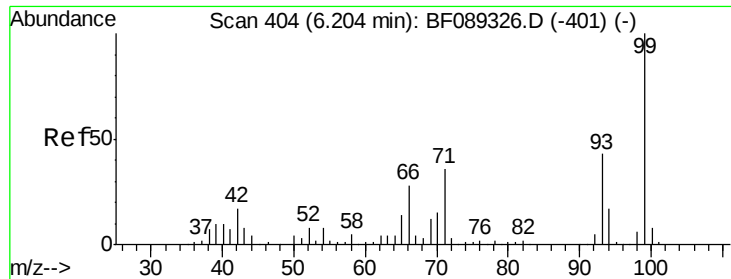


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.49 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5

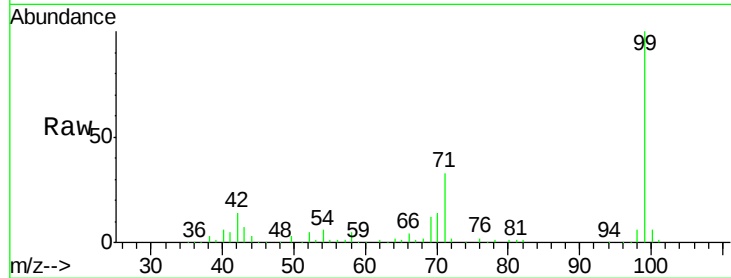
Tgt Ion: 99 Resp: 398266

Ion Ratio Lower Upper

99 100

42 14.0 13.6 20.4

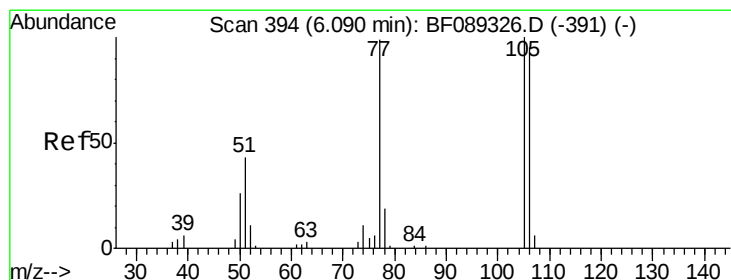
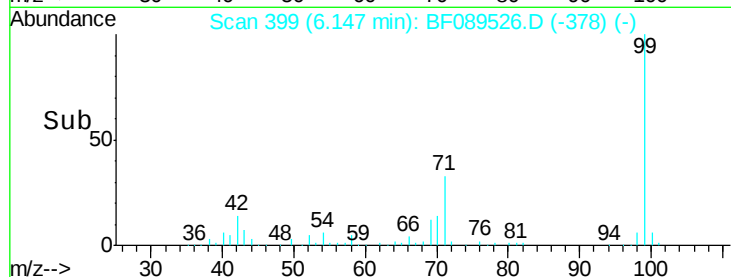
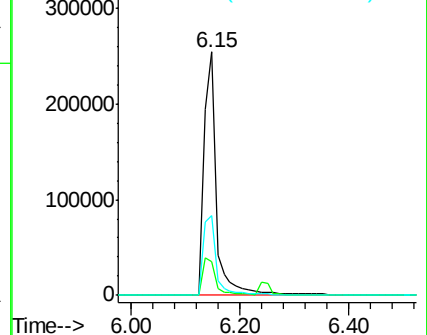
71 32.9 29.4 44.2



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: 4.00 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.16 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

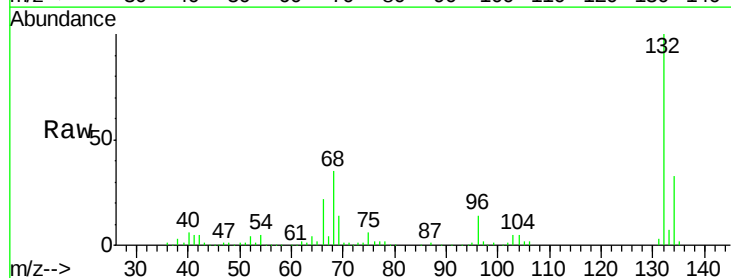
Tgt Ion: 77 Resp: 7378

Ion Ratio Lower Upper

77 100

105 87.0 82.9 122.9

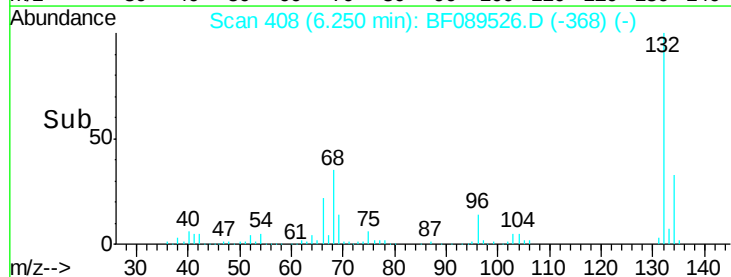
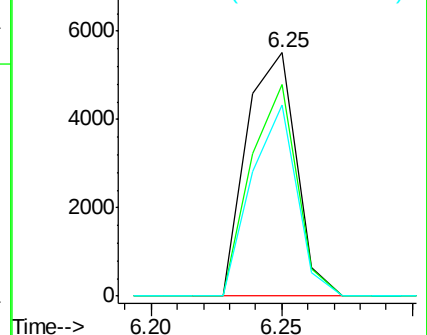
106 78.6 75.9 115.9

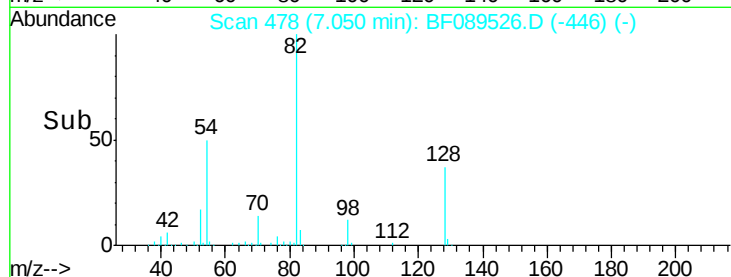
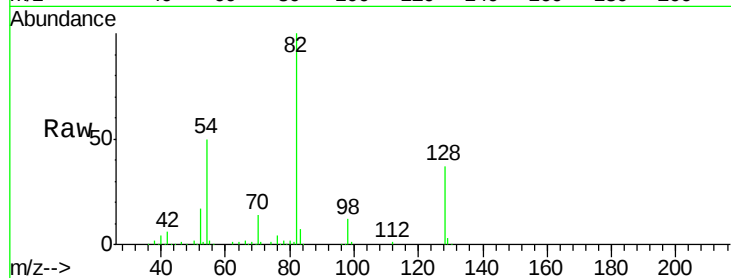
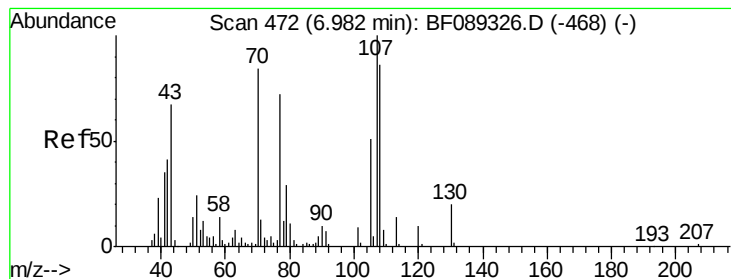


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

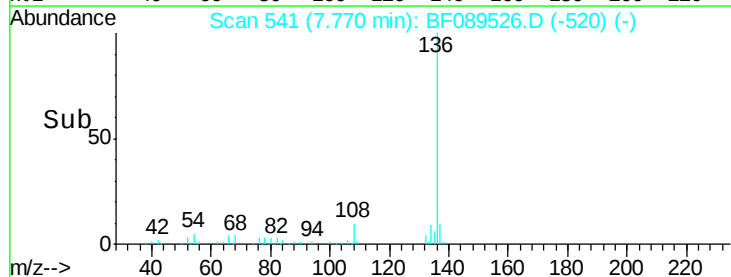
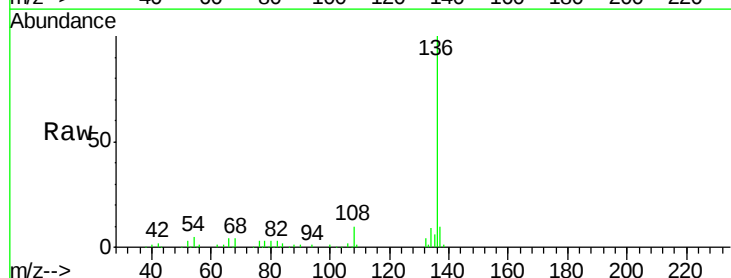
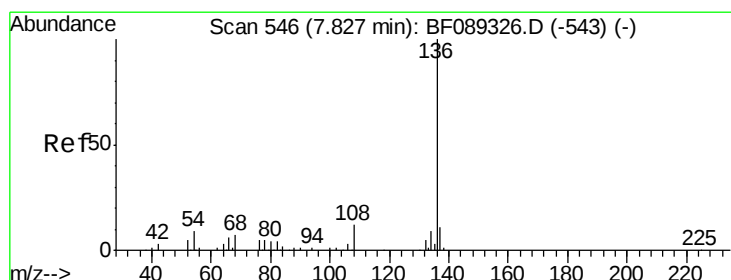
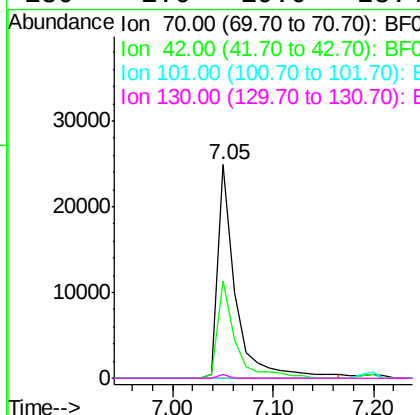




#19
n-Nitroso-di-n-propylamine
Concen: 13.48 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.07 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

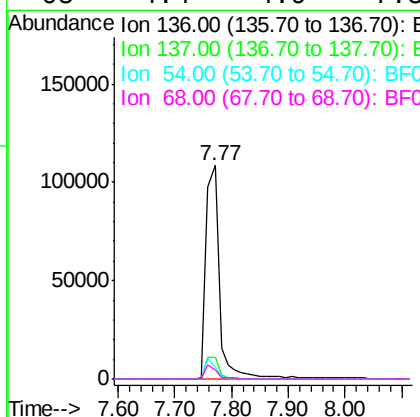
Instrument :
BNA_F
ClientSampled :
SB-57-17.5-18.5

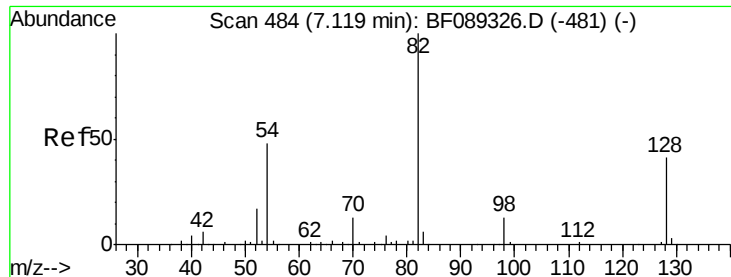
Tgt Ion: 70 Resp: 30697
Ion Ratio Lower Upper
70 100
42 45.7 38.6 57.8
101 0.0 8.3 12.5#
130 1.6 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

Tgt Ion: 136 Resp: 173901
Ion Ratio Lower Upper
136 100
137 10.1 8.6 13.0
54 5.4 7.0 10.4#
68 4.4 4.9 7.3#

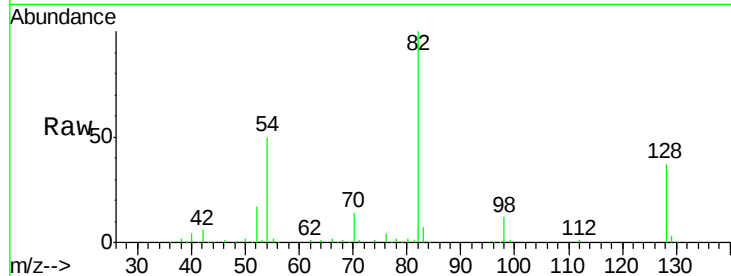




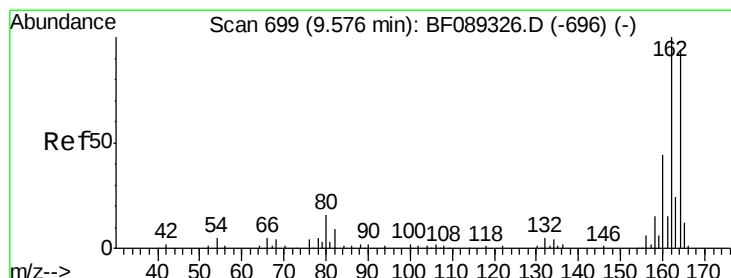
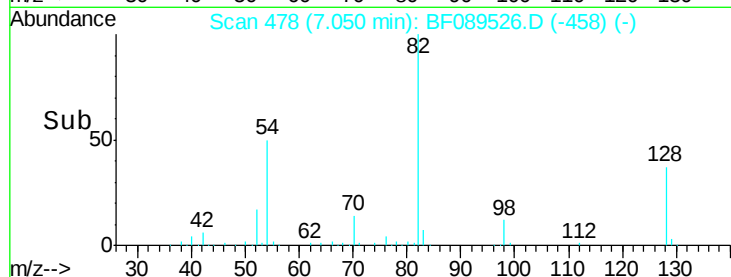
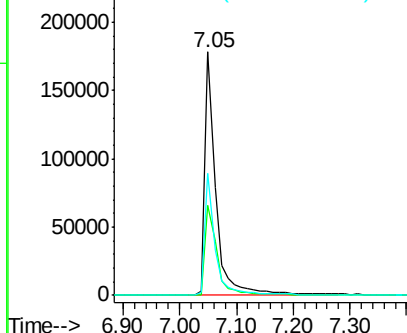
#23
 Nitrobenzene-d5
 Concen: 78.92 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-17.5-18.5

Tgt Ion: 82 Resp: 232513
 Ion Ratio Lower Upper
 82 100
 128 37.2 32.5 48.7
 54 49.9 38.8 58.2

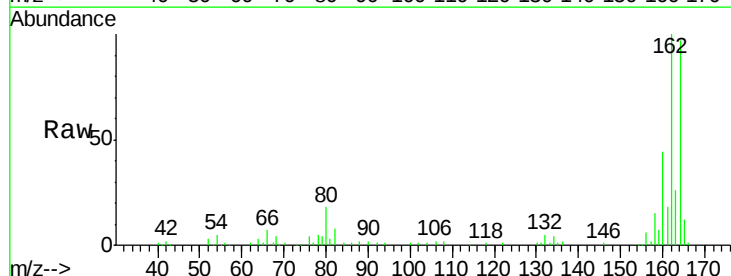


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

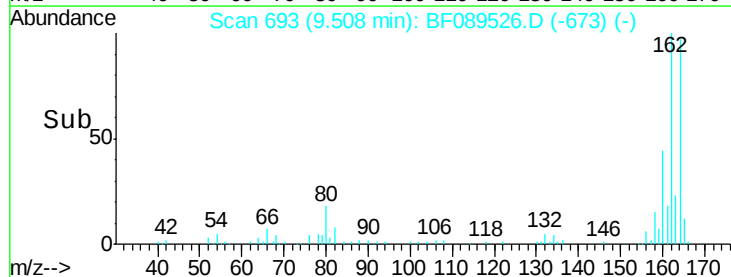
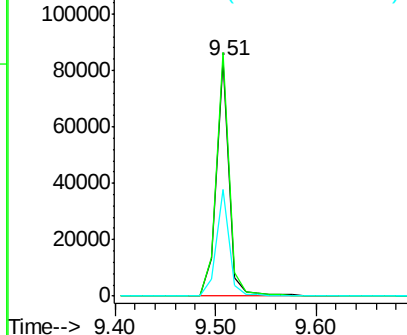


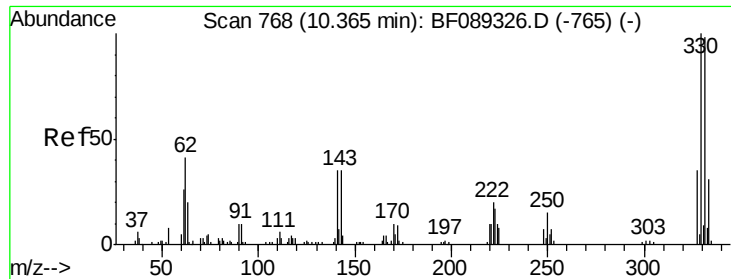
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Tgt Ion: 164 Resp: 73959
 Ion Ratio Lower Upper
 164 100
 162 103.3 83.7 125.5
 160 45.2 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

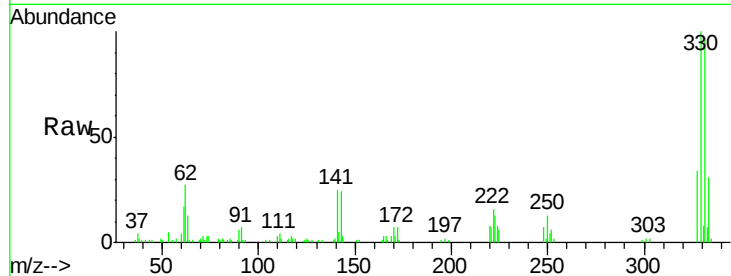




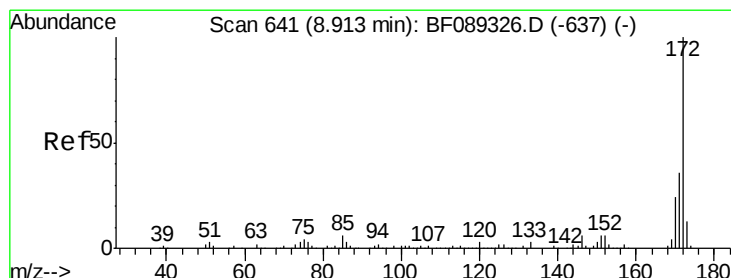
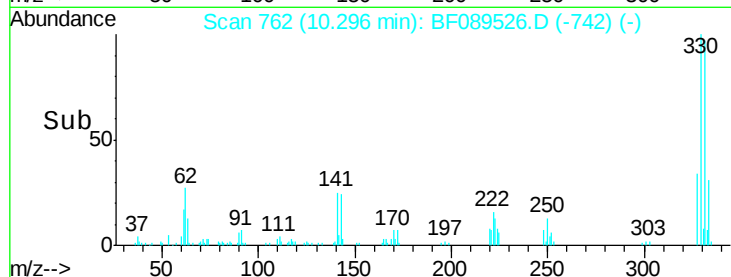
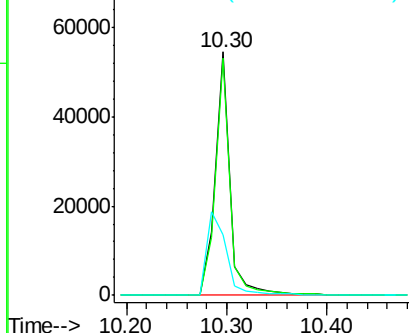
#41
 2,4,6-Tribromophenol
 Concen: 91.34 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-17.5-18.5

Tgt Ion:330 Resp: 55948
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.8 115.2
 141 45.1 37.3 55.9

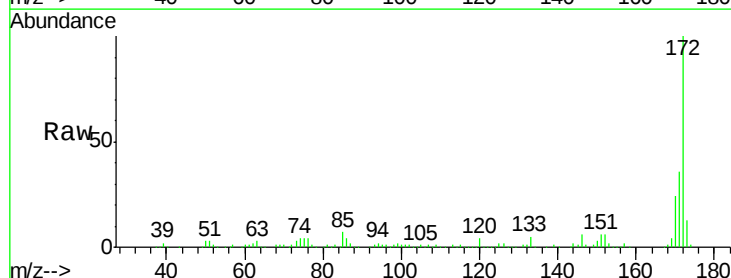


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

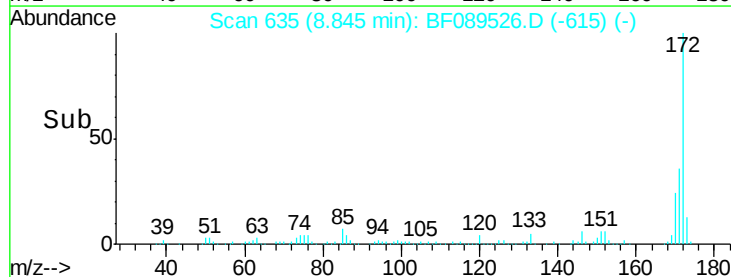
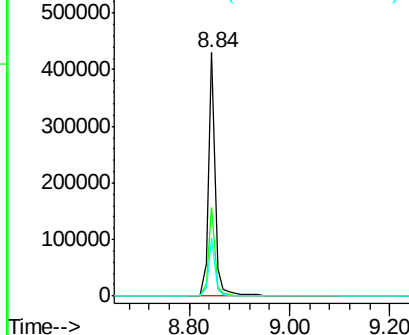


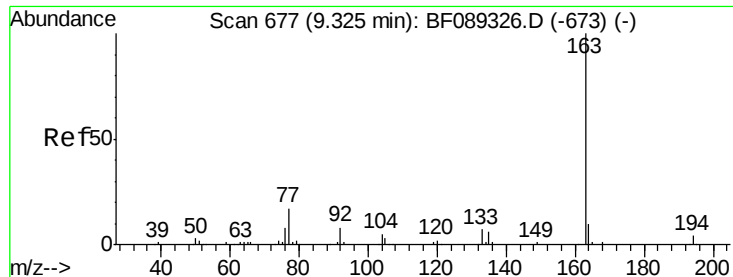
#44
 2-Fluorobiphenyl
 Concen: 79.23 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Tgt Ion:172 Resp: 399291
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.0 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

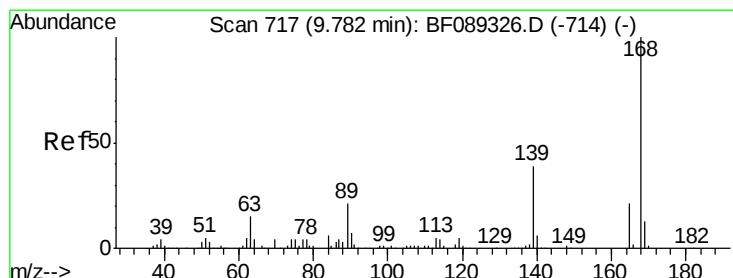
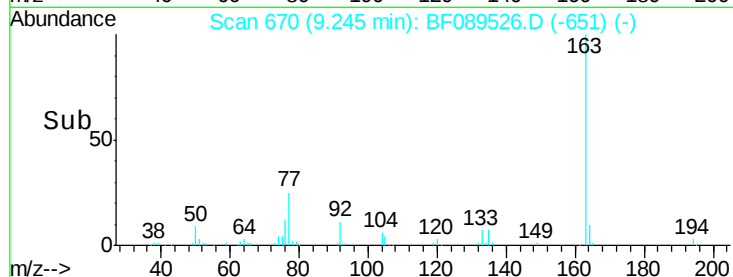
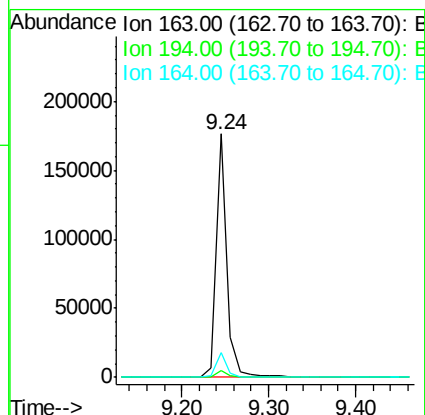
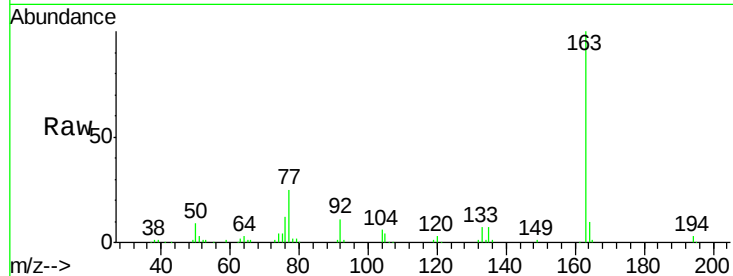




#49
Dimethylphthalate
Concen: 27.33 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.08 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

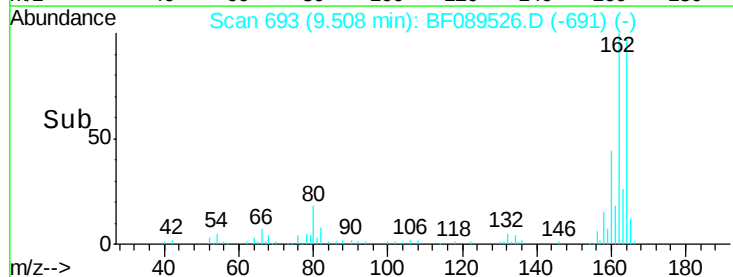
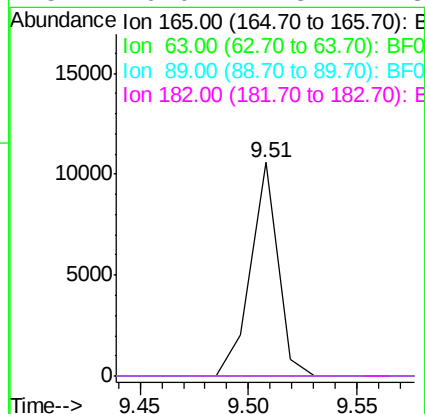
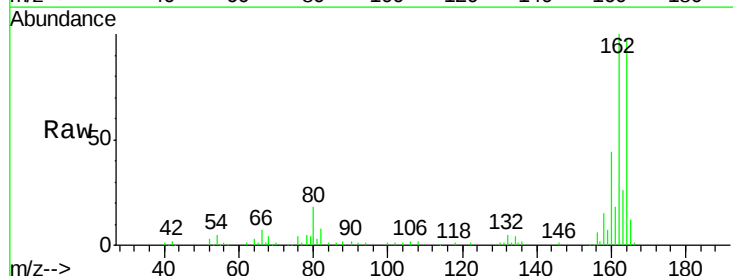
Instrument :
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SB-57-17.5-18.5

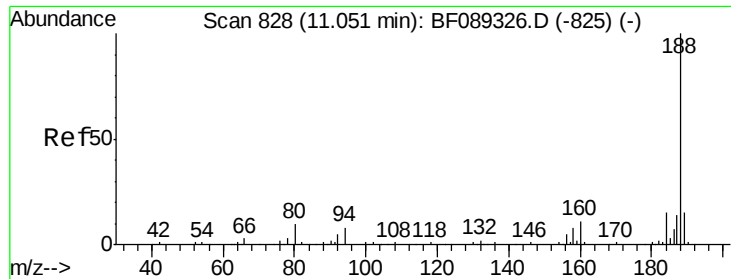
Tgt Ion:163 Resp: 153861
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.1 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.27 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

Tgt Ion:165 Resp: 9214
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#

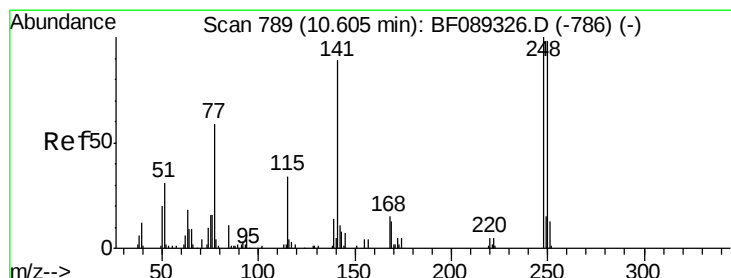
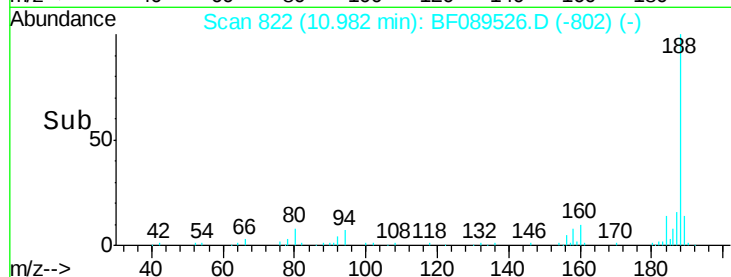
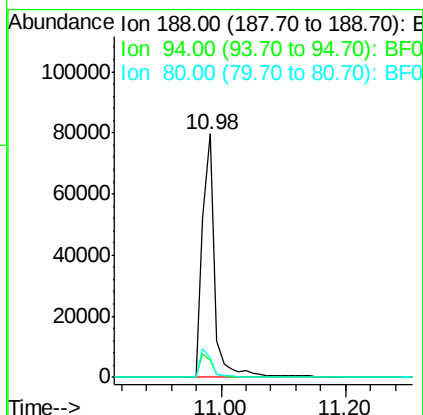
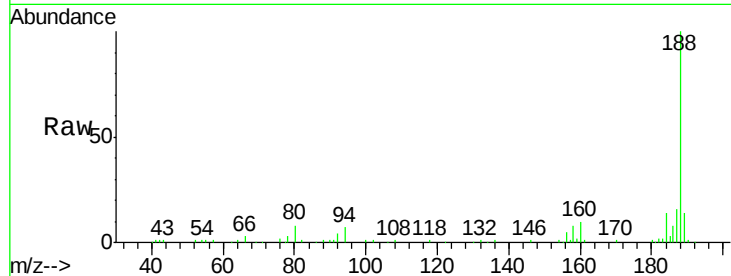




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

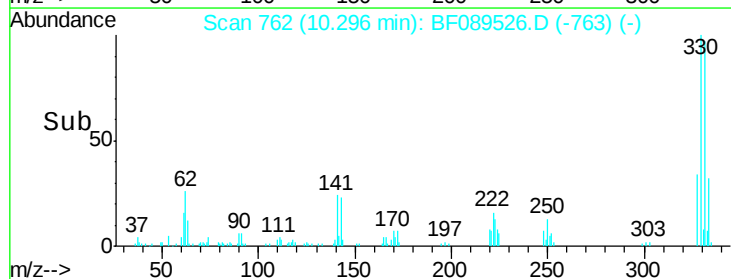
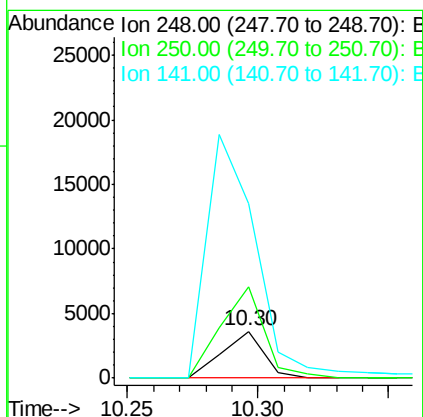
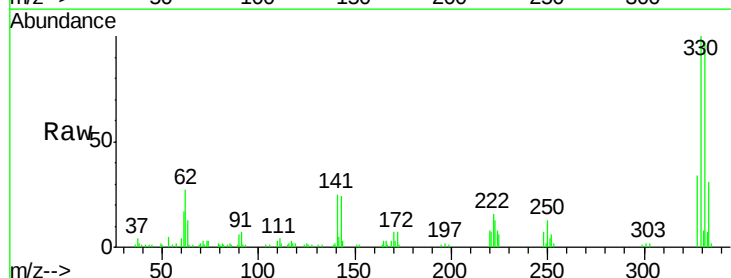
Instrument :
 BNA_F
 ClientSampleId :
 SB-57-17.5-18.5

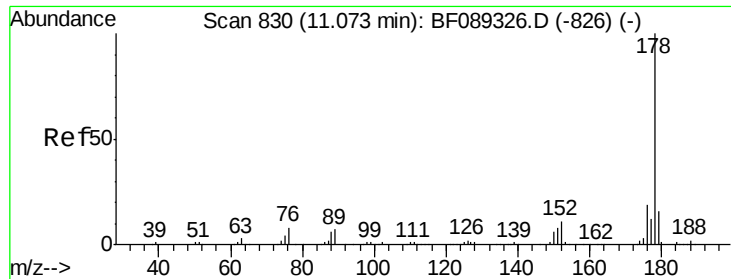
Tgt Ion:188 Resp: 110309
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.5 9.7
 80 7.9 7.2 10.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.80 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.31 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Tgt Ion:248 Resp: 4000
 Ion Ratio Lower Upper
 248 100
 250 195.1 78.2 117.2#
 141 371.8 62.0 93.0#

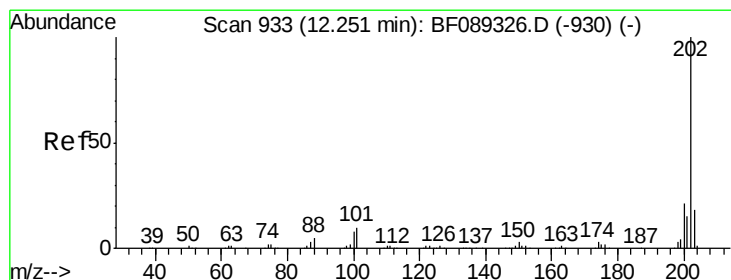
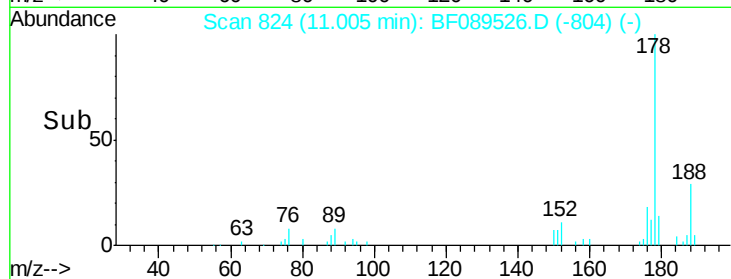
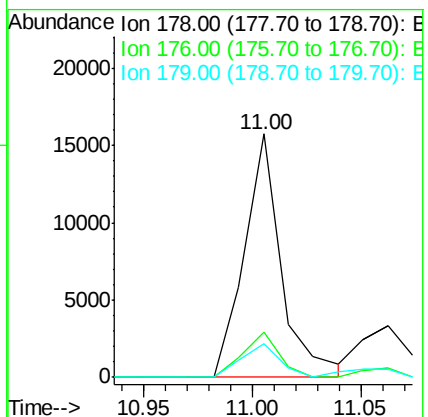
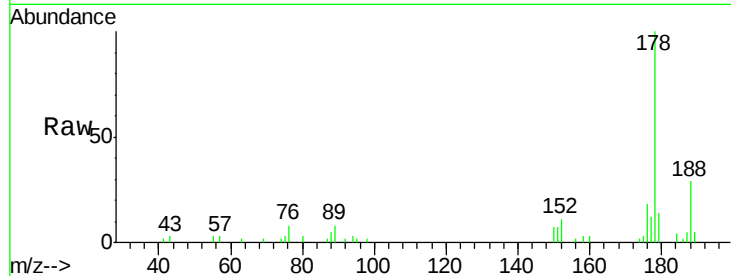




#70
Phenanthrene
Concen: 3.28 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.07 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

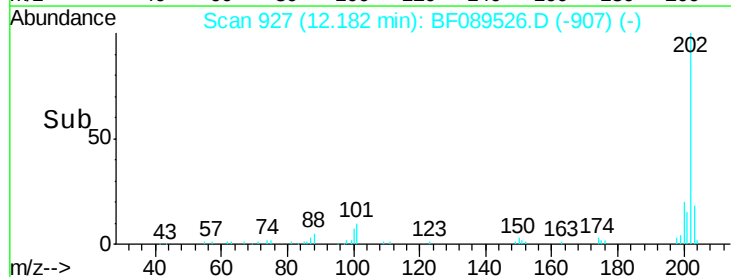
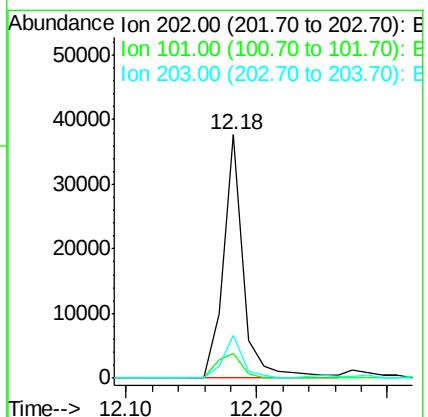
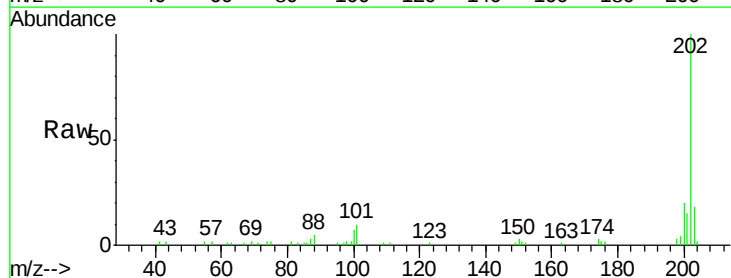
Instrument :
BNA_F
ClientSampleId :
SB-57-17.5-18.5

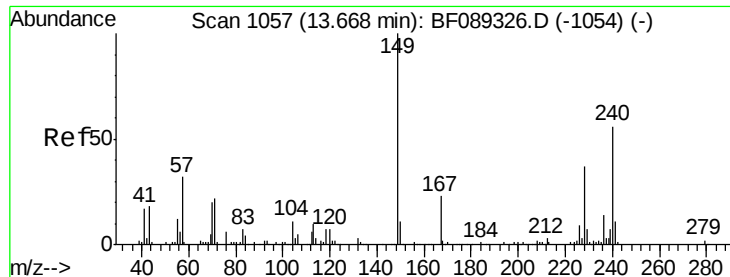
Tgt Ion:178 Resp: 18648
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 13.8 12.3 18.5



#74
Fluoranthene
Concen: 6.75 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.07 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

Tgt Ion:202 Resp: 40391
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.5 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: BF089526.D

Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5

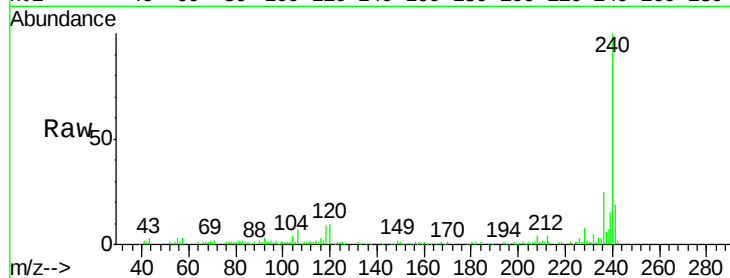
Tgt Ion:240 Resp: 92409

Ion Ratio Lower Upper

240 100

120 9.9 9.1 13.7

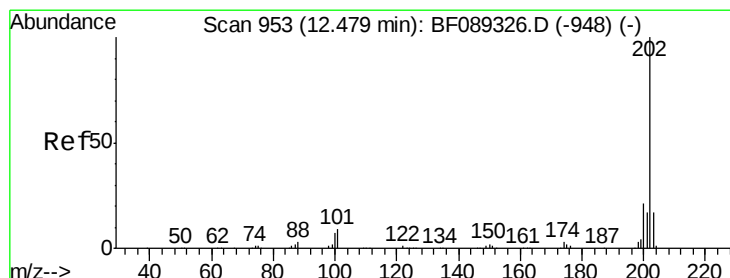
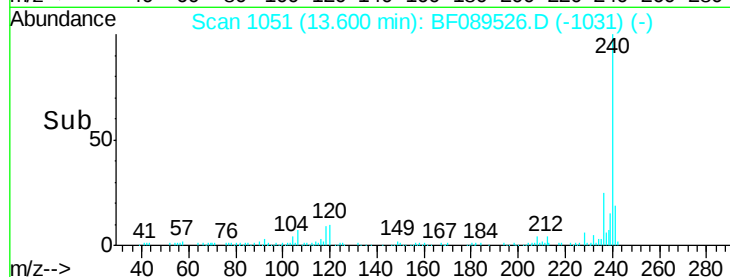
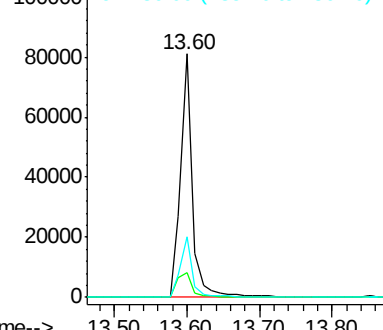
236 25.0 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.82 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.07 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

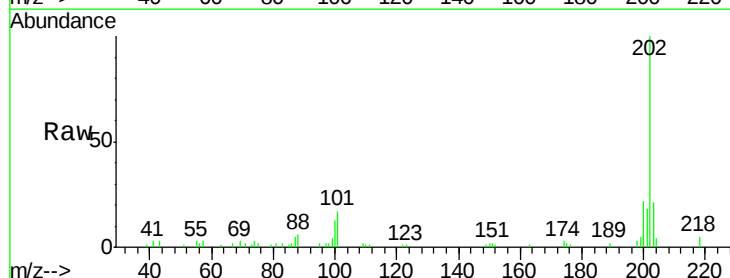
Tgt Ion:202 Resp: 40744

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

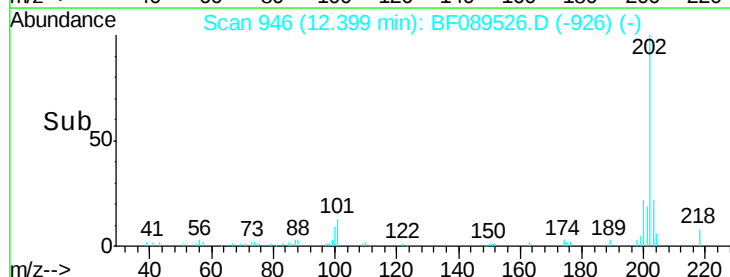
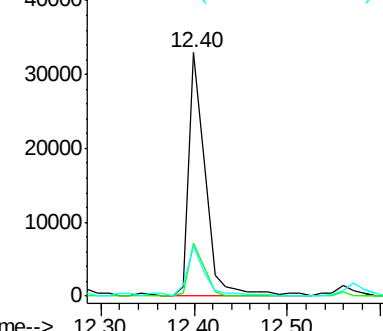
203 20.9 14.0 21.0

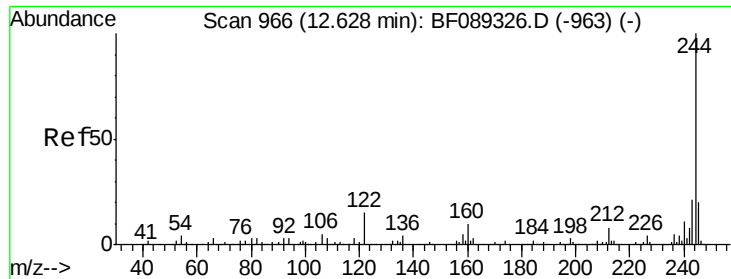


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

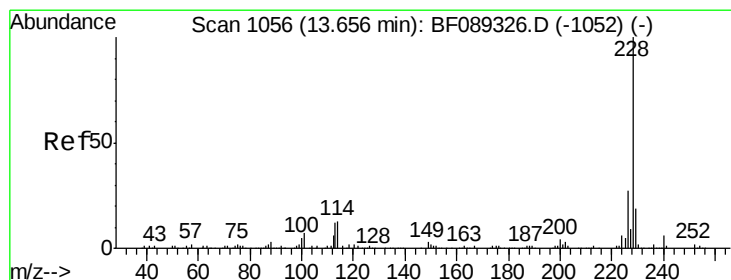
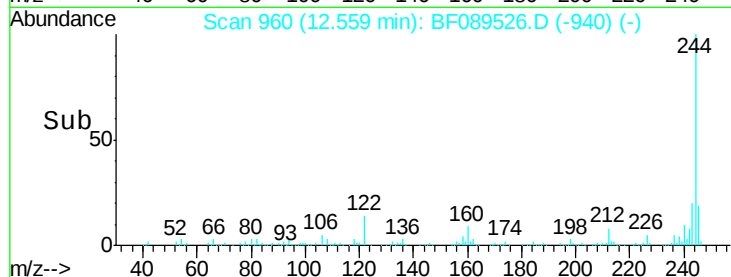
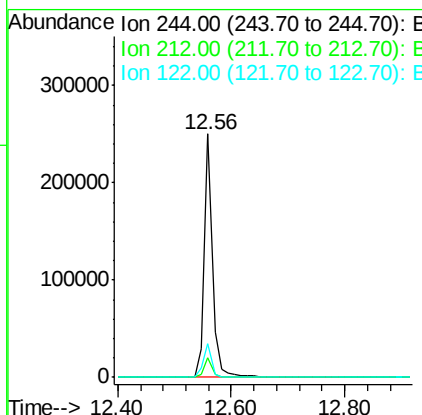
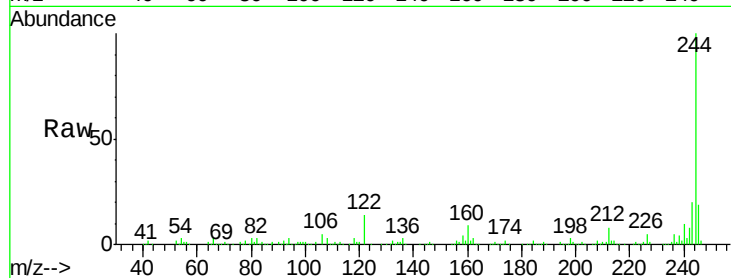




#78
 Terphenyl-d14
 Concen: 60.84 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

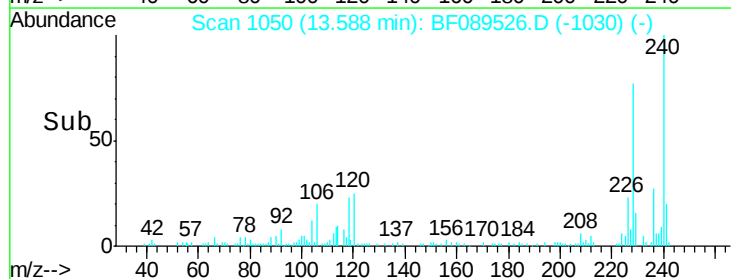
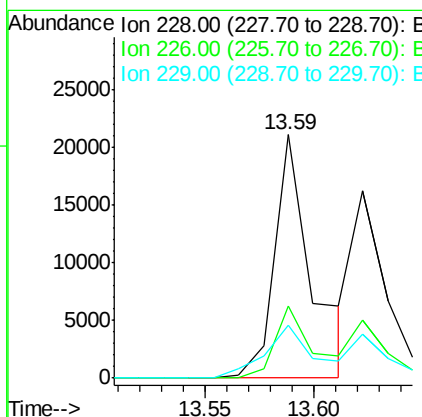
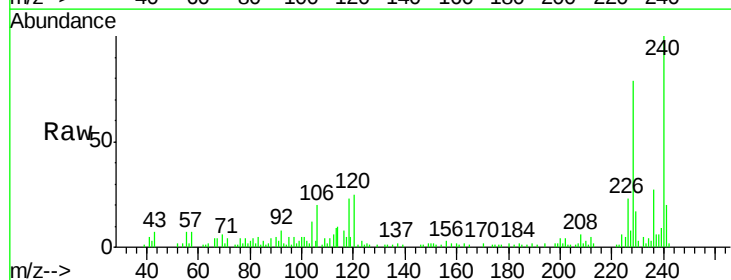
Instrument :
 BNA_F
 ClientSampleId :
 SB-57-17.5-18.5

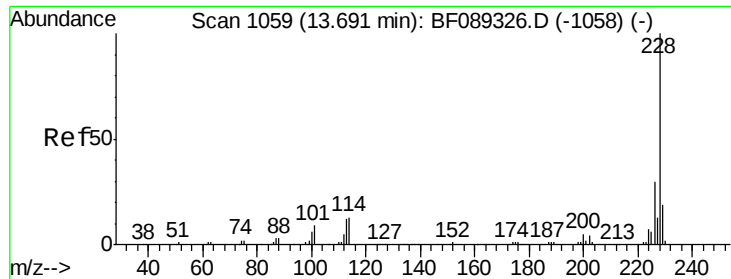
Tgt Ion:244 Resp: 240227
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 14.0 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 4.85 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. -0.07 min
 Lab File: BF089526.D
 Acq: 1 Aug 2016 22:56

Tgt Ion:228 Resp: 25312
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.2
 229 21.9 15.9 23.9





#82

Chrysene

Concen: 3.26 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.07 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5

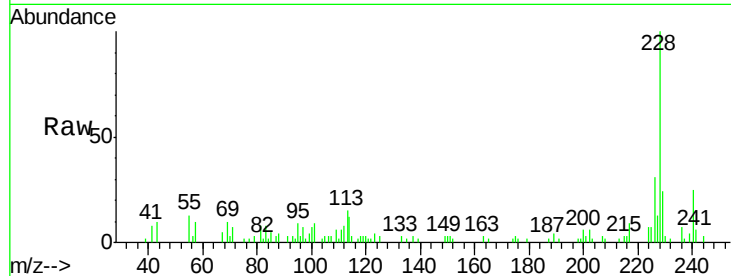
Tgt Ion:228 Resp: 18070

Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.2

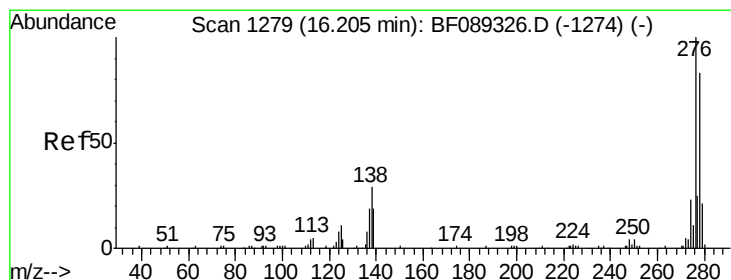
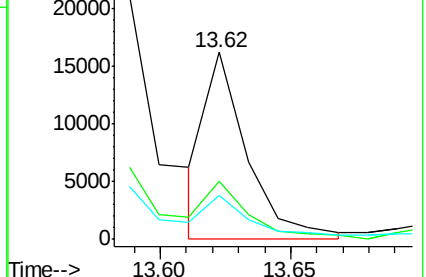
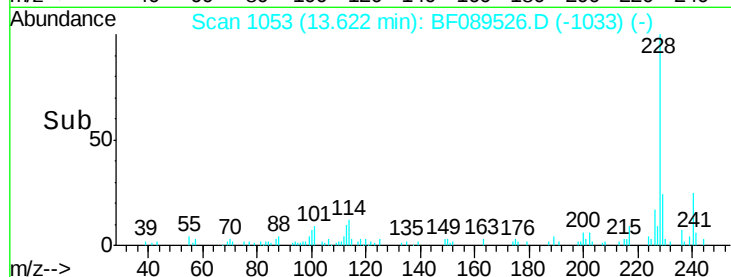
229 23.8 15.9 23.9



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: 3.00 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.11 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

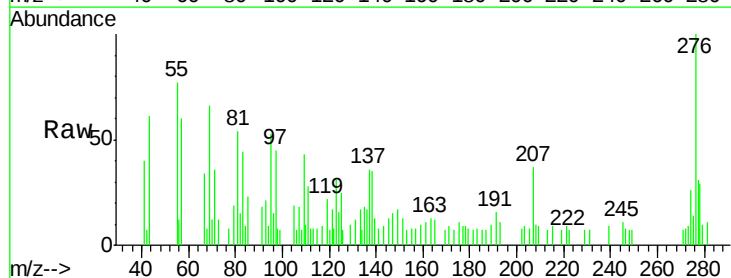
Tgt Ion:276 Resp: 11841

Ion Ratio Lower Upper

276 100

138 38.5 23.0 34.4#

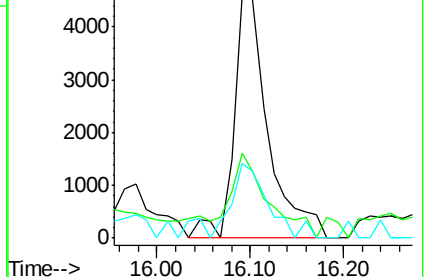
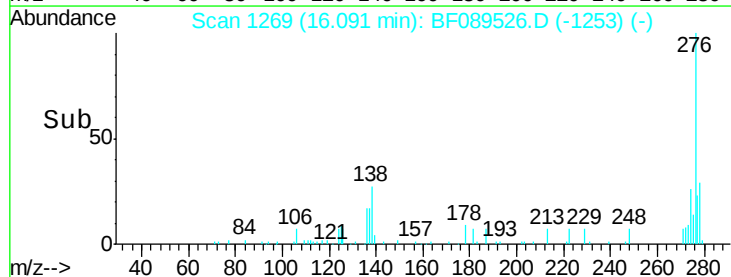
277 32.2 20.2 30.4#

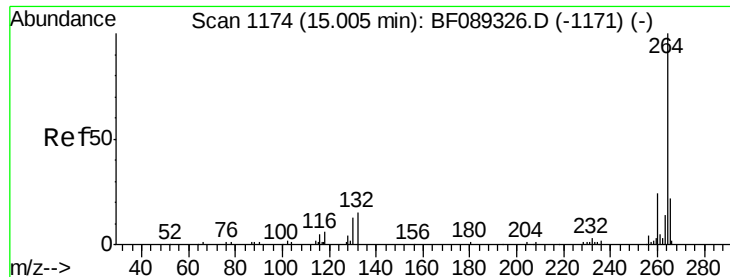


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

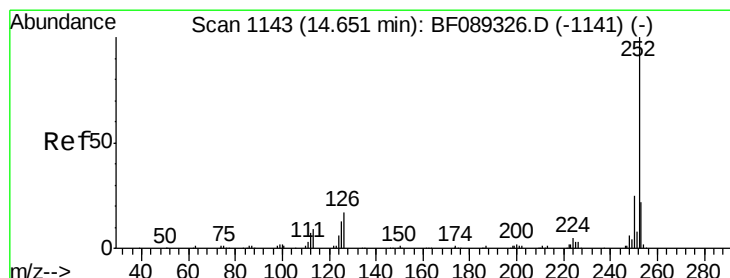
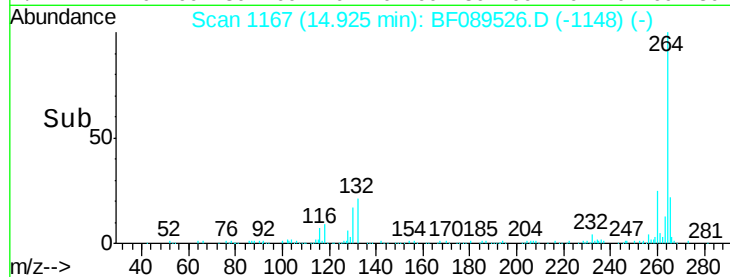
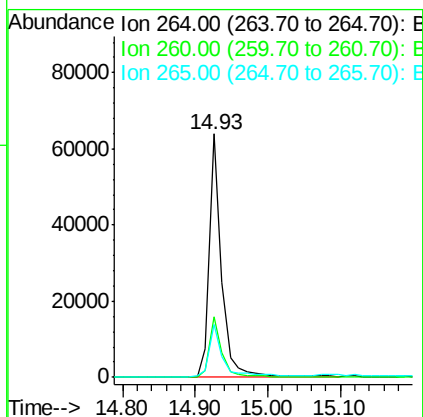
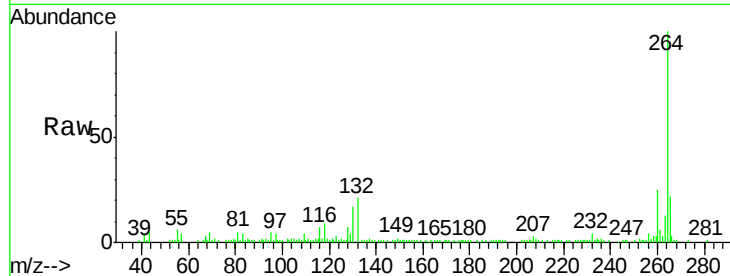




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

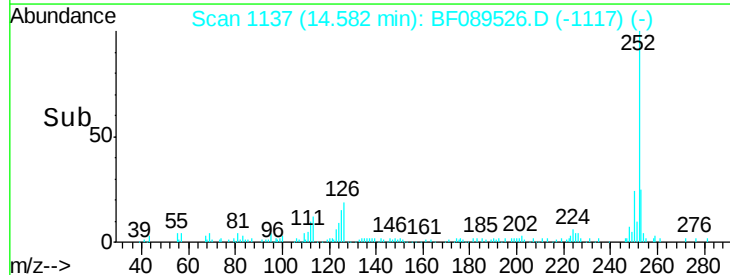
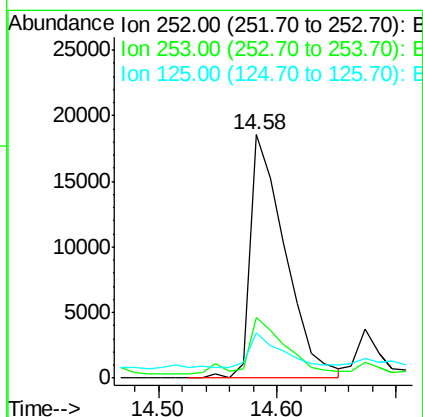
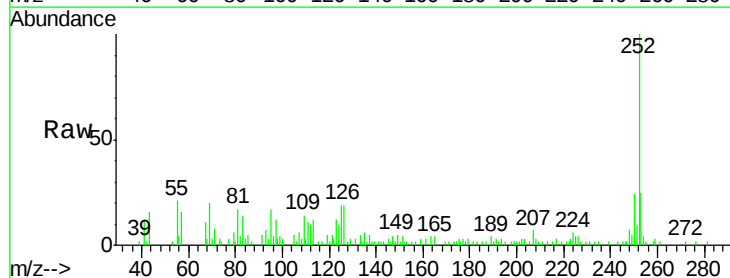
Instrument :
BNA_F
ClientSampleId :
SB-57-17.5-18.5

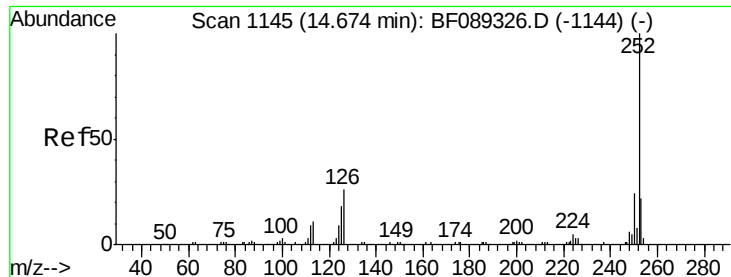
Tgt Ion:264 Resp: 75844
Ion Ratio Lower Upper
264 100
260 24.8 19.0 28.4
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.01 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.07 min
Lab File: BF089526.D
Acq: 1 Aug 2016 22:56

Tgt Ion:252 Resp: 37712
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 18.7 9.7 14.5#





#88

Benzo(k)fluoranthene

Concen: 8.71 ng

RT: 14.58 min Scan# 1137

Delta R.T. -0.09 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5

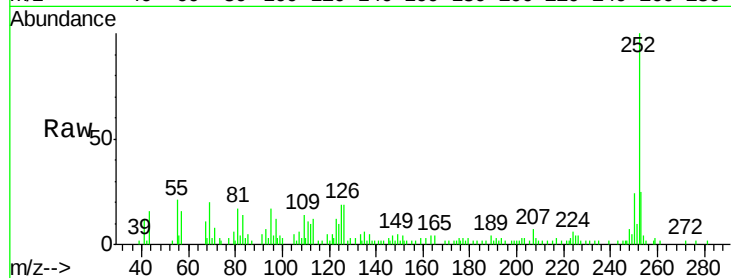
Tgt Ion:252 Resp: 37712

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

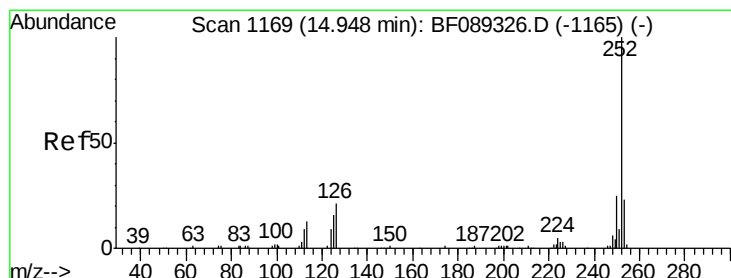
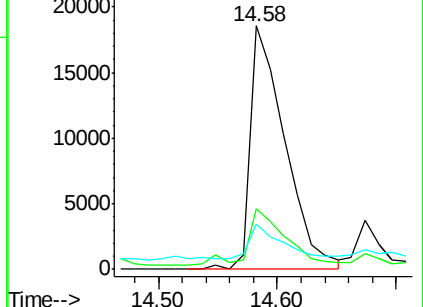
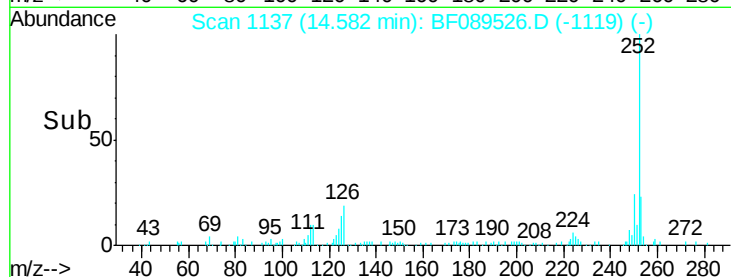
125 18.7 10.7 16.1#



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: 4.14 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF089526.D

Acq: 1 Aug 2016 22:56

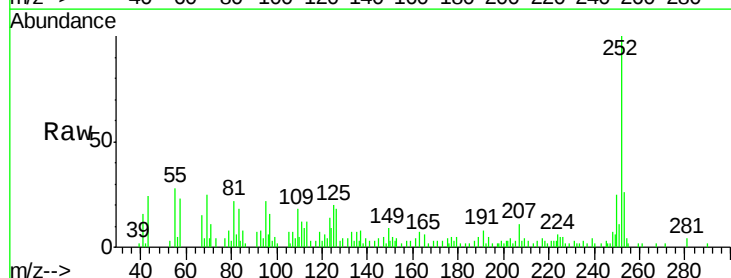
Tgt Ion:252 Resp: 17512

Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.2

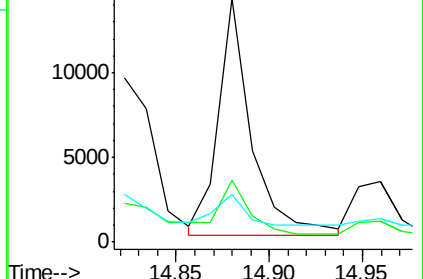
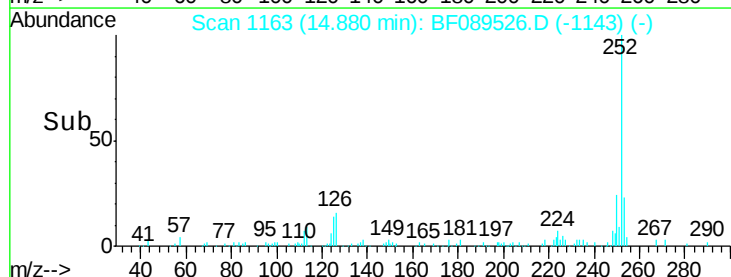
125 19.8 12.4 18.6#

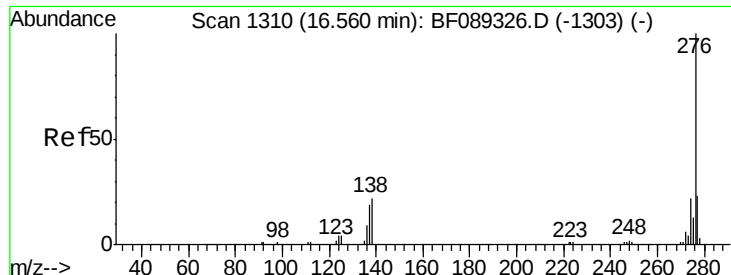


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.78 ng

RT: 16.45 min Scan# 1300

Delta R.T. -0.10 min

Lab File: BF089526.D

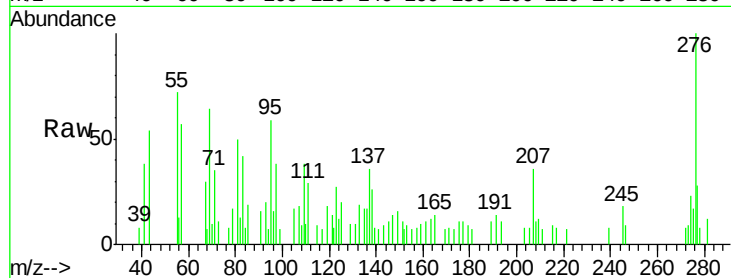
Acq: 1 Aug 2016 22:56

Instrument :

BNA_F

ClientSampleId :

SB-57-17.5-18.5



Tgt Ion:	276	Resp:	12355
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.6	28.0#
138	26.5	21.4	32.0

