

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089527.D
 Acq On : 1 Aug 2016 23:26
 Operator : UM/SJ
 Sample : H4287-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-61-0.5-1.5

Quant Time: Aug 02 01:49:27 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

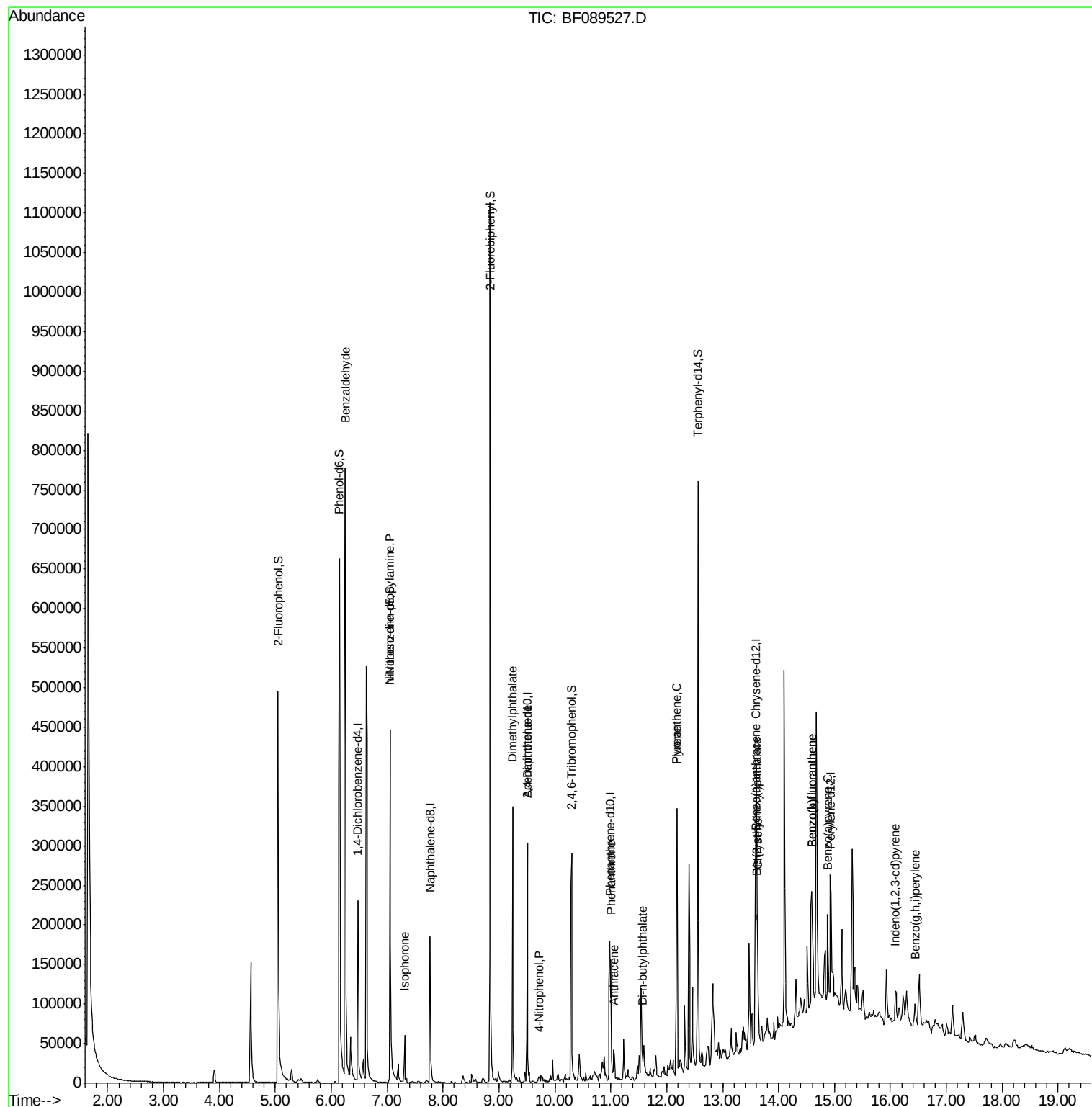
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	42204	20.00	ng	-0.07
21) Naphthalene-d8	7.77	136	146498	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	57344	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	91216	20.00	ng	-0.07
75) Chrysene-d12	13.60	240	97114	20.00	ng	-0.07
86) Perylene-d12	14.94	264	82058	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	267758	101.30	ng	-0.06
7) Phenol-d6	6.15	99	351860	100.73	ng	-0.06
23) Nitrobenzene-d5	7.05	82	198292	79.89	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	43000	90.54	ng	-0.07
44) 2-Fluorobiphenyl	8.84	172	337633	86.41	ng	-0.07
78) Terphenyl-d14	12.56	244	222755	53.68	ng	-0.07
Target Compounds						Qvalue
9) Benzaldehyde	6.25	77	6365	3.73	ng	83
19) n-Nitroso-di-n-propylamine	7.05	70	26491	12.58	ng	# 81
25) Isophorone	7.31	82	32708	6.54	ng	97
49) Dimethylphthalate	9.24	163	129242	29.61	ng	99
55) 4-Nitrophenol	9.71	139	921	8.03	ng	# 4
56) 2,4-Dinitrotoluene	9.51	165	7484	6.34	ng	# 7
70) Phenanthrene	11.01	178	71959	15.30	ng	99
71) Anthracene	11.05	178	20580	3.93	ng	97
73) Di-n-butylphthalate	11.57	149	17984	3.04	ng	# 98
74) Fluoranthene	12.18	202	144128	29.12	ng	99
77) Pyrene	12.18	202	144128	19.58	ng	99
80) Benzo(a)anthracene	13.59	228	68860	12.56	ng	97
82) Chrysene	13.62	228	55389	9.49	ng	98
83) Bis(2-ethylhexyl)phthalate	13.61	149	12477	2.58	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.09	276	25485	6.14	ng	# 94
87) Benzo(b)fluoranthene	14.59	252	101948	20.01	ng	94
88) Benzo(k)fluoranthene	14.59	252	101223	21.61	ng	96
89) Benzo(a)pyrene	14.88	252	49099	10.74	ng	95
91) Benzo(g,h,i)perylene	16.45	276	26614	7.52	ng	97

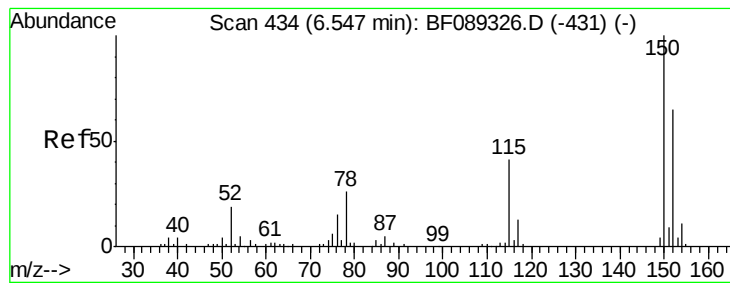
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

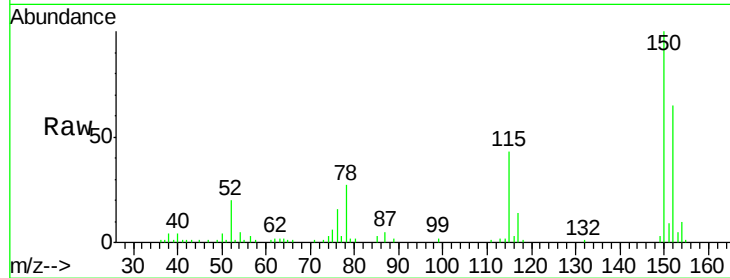
Tgt Ion:152 Resp: 42204

Ion Ratio Lower Upper

152 100

150 152.7 129.5 194.3

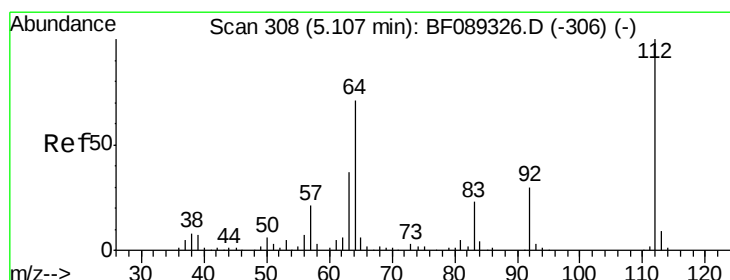
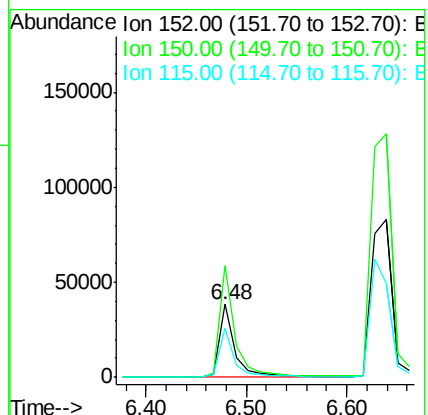
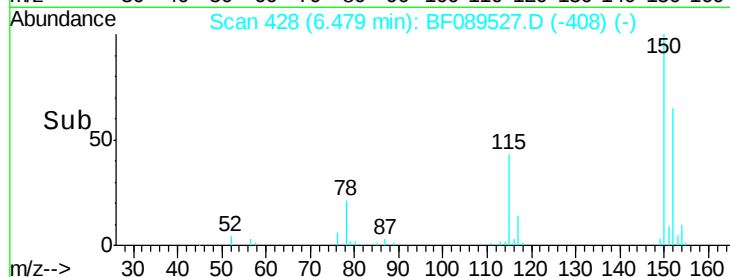
115 66.4 51.4 77.2



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: 101.30 ng

RT: 5.05 min Scan# 303

Delta R.T. -0.06 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

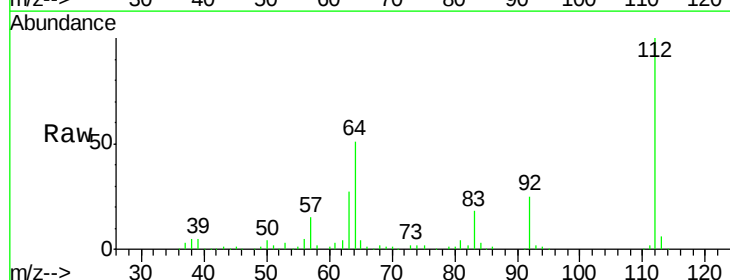
Tgt Ion:112 Resp: 267758

Ion Ratio Lower Upper

112 100

64 50.5 55.0 82.6#

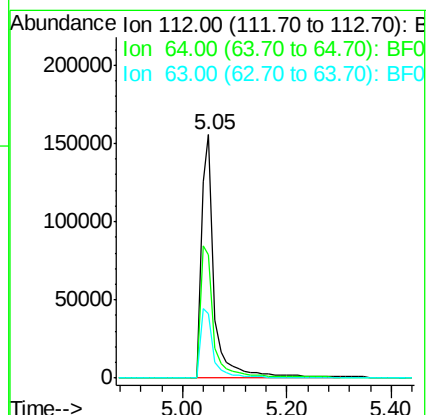
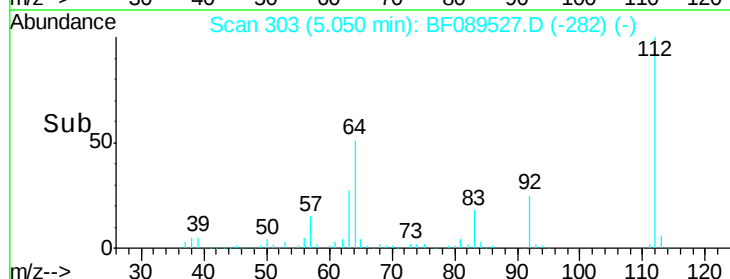
63 26.6 29.4 44.2#

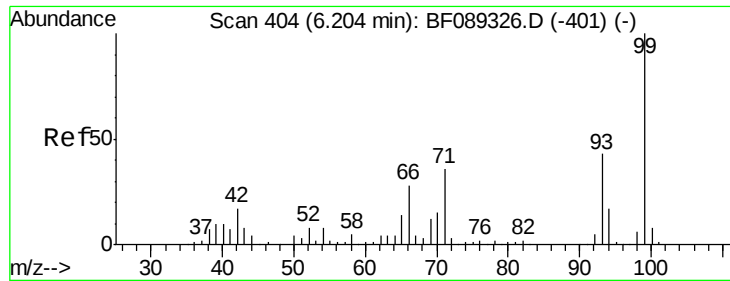


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.73 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

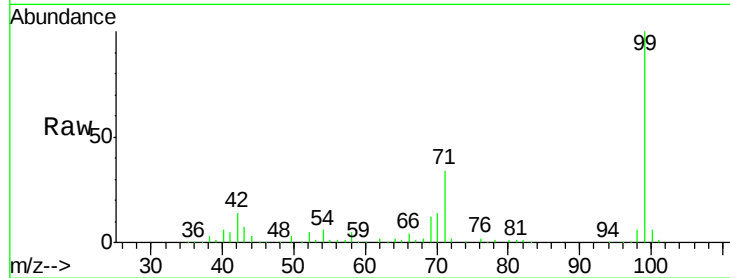
Tgt Ion: 99 Resp: 351860

Ion Ratio Lower Upper

99 100

42 14.4 13.6 20.4

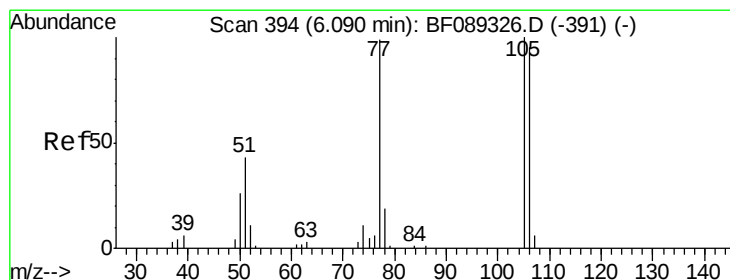
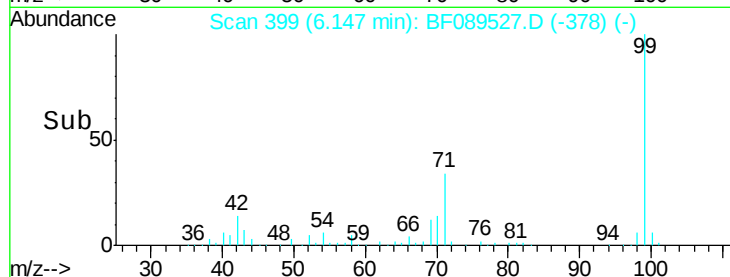
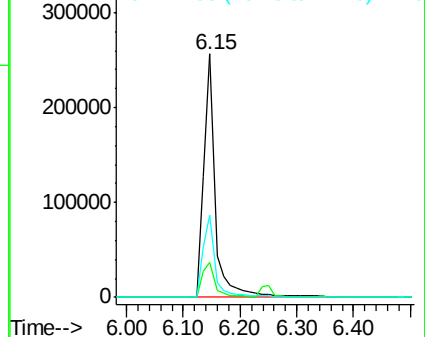
71 33.8 29.4 44.2



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: 3.73 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.16 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

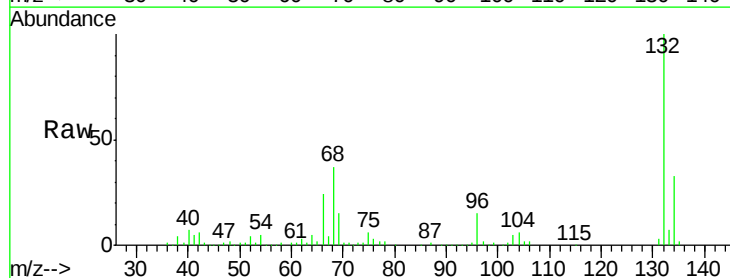
Tgt Ion: 77 Resp: 6365

Ion Ratio Lower Upper

77 100

105 87.6 82.9 122.9

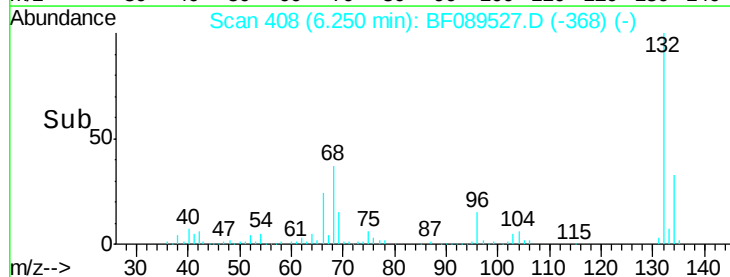
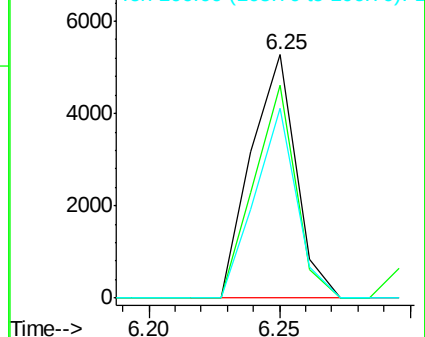
106 78.1 75.9 115.9

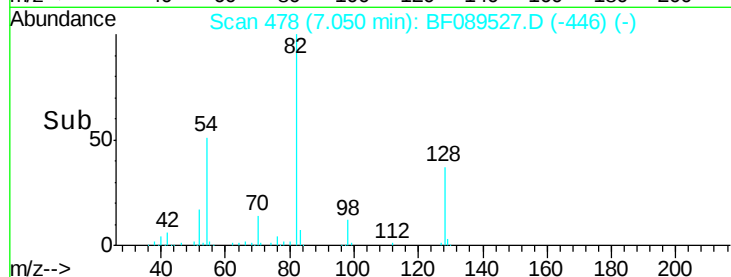
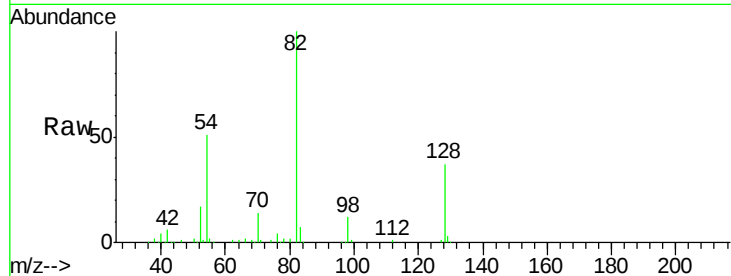
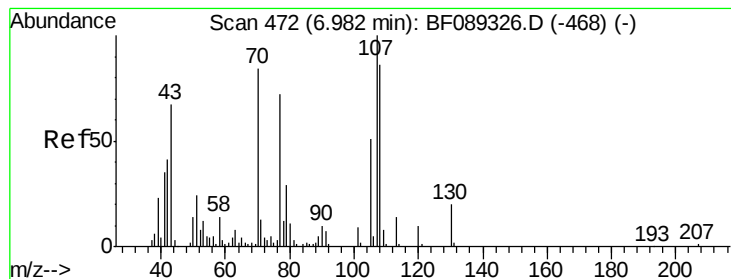


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

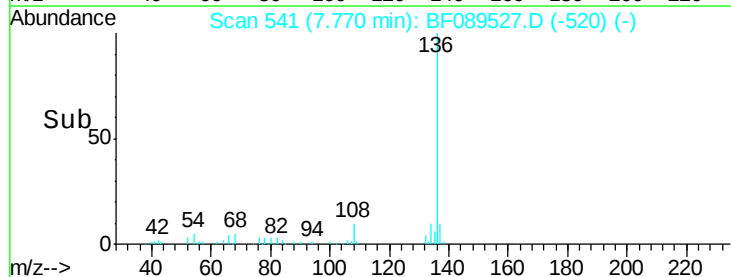
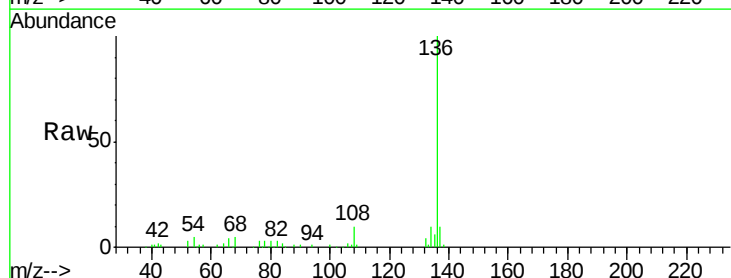
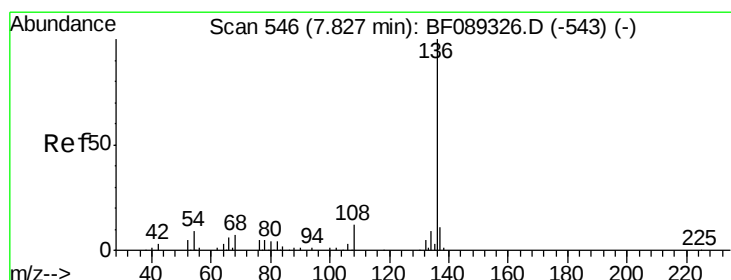
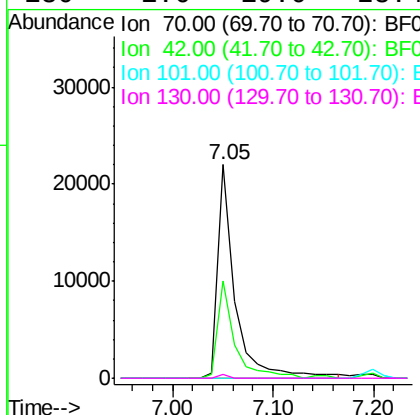




#19
n-Nitroso-di-n-propylamine
Concen: 12.58 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.07 min
Lab File: BF089527.D
Acq: 1 Aug 2016 23:26

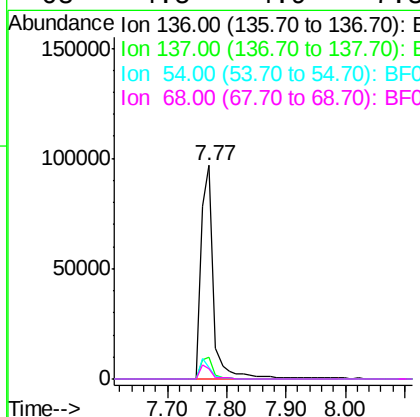
Instrument :
BNA_F
ClientSampleId :
SB-61-0.5-1.5

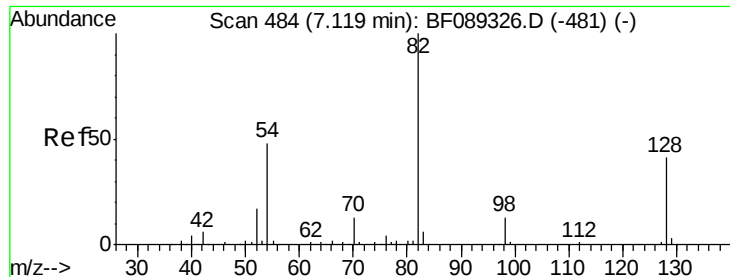
Tgt Ion: 70 Resp: 26491
Ion Ratio Lower Upper
70 100
42 45.7 38.6 57.8
101 0.0 8.3 12.5#
130 1.6 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF089527.D
Acq: 1 Aug 2016 23:26

Tgt Ion: 136 Resp: 146498
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 5.5 7.0 10.4#
68 4.5 4.9 7.3#

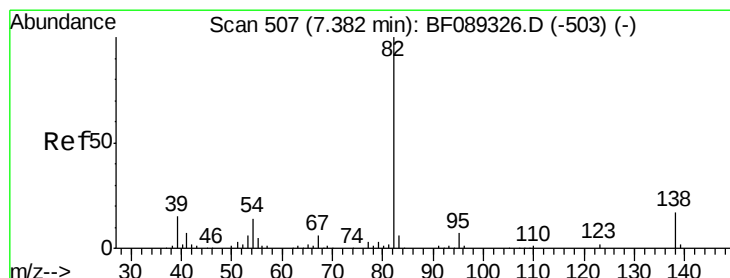
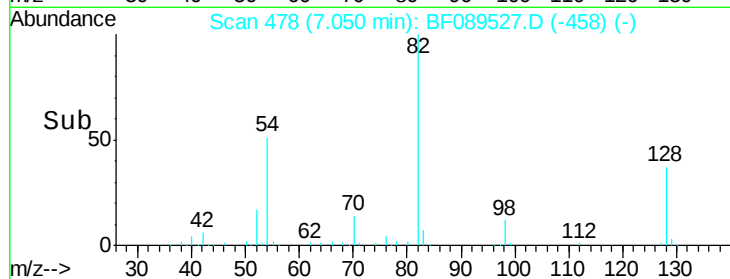
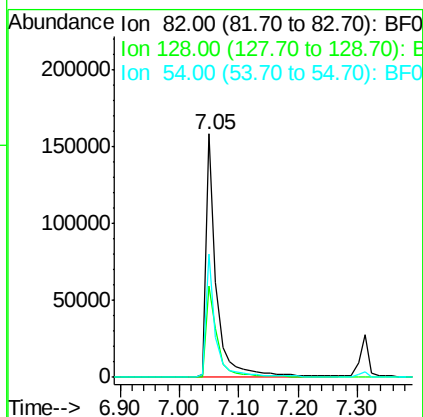
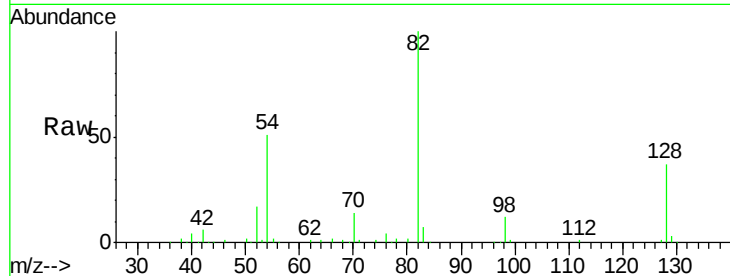




#23
 Nitrobenzene-d5
 Concen: 79.89 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

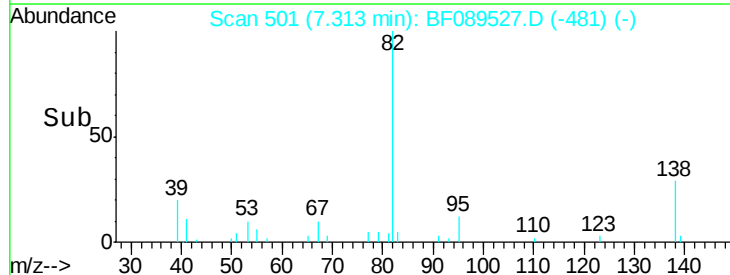
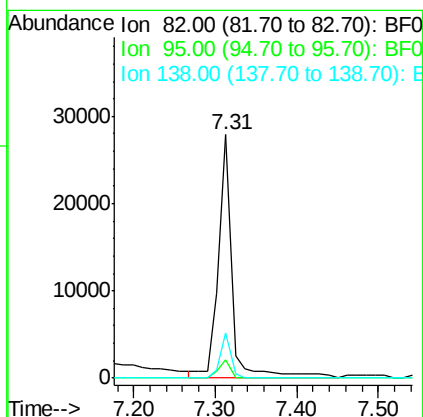
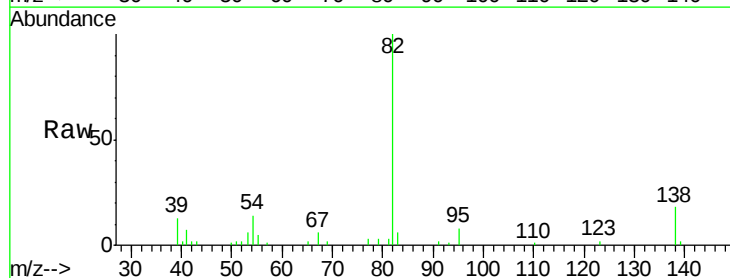
Instrument :
 BNA_F
 ClientSampleId :
 SB-61-0.5-1.5

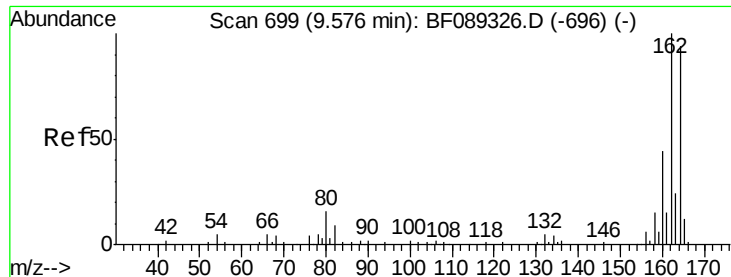
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.3	32.5	48.7
54	50.7	38.8	58.2



#25
 Isophorone
 Concen: 6.54 ng
 RT: 7.31 min Scan# 501
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	18.5	13.3	19.9

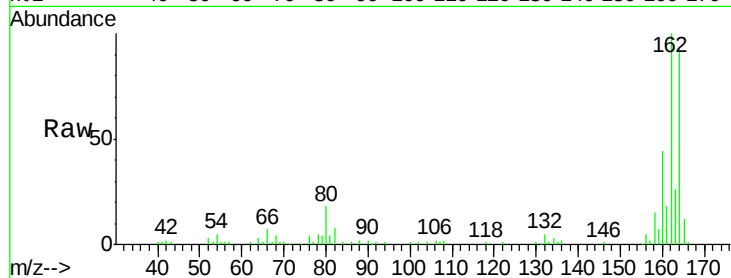




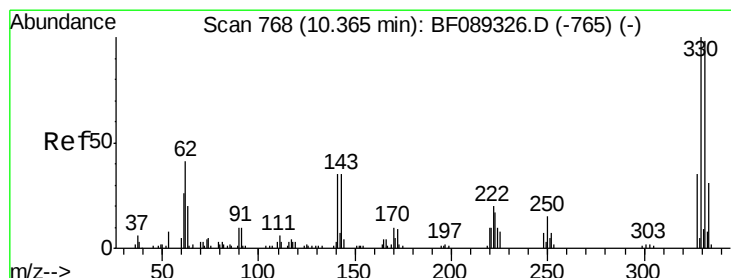
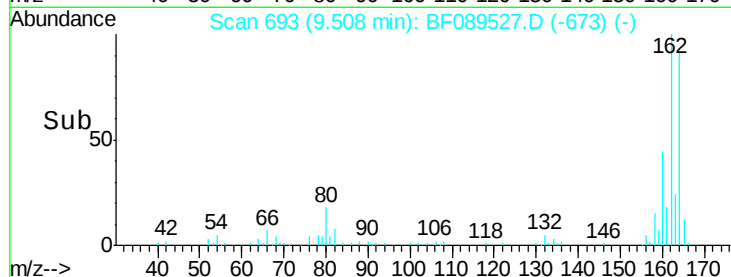
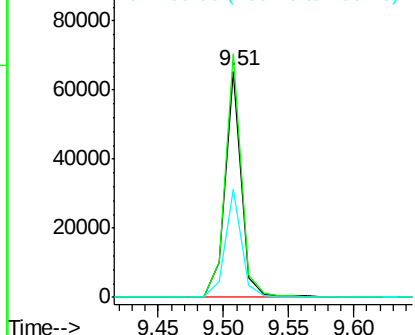
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-61-0.5-1.5

Tgt Ion:164 Resp: 57344
 Ion Ratio Lower Upper
 164 100
 162 107.6 83.7 125.5
 160 47.6 37.8 56.6

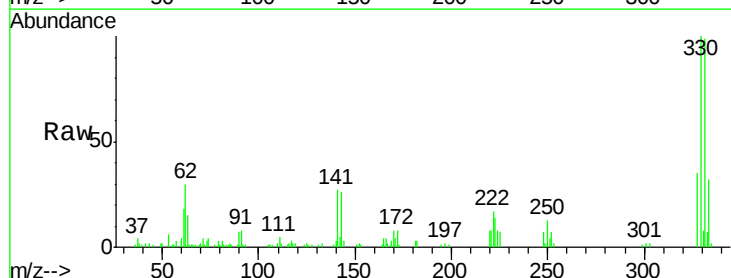


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

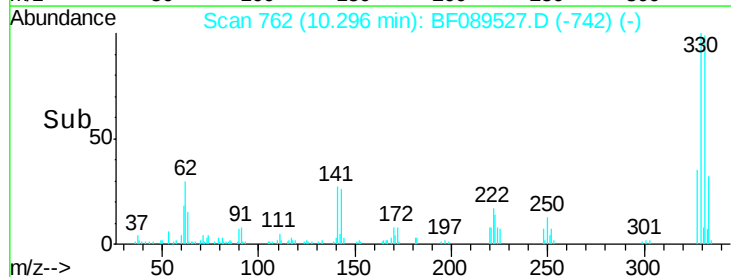
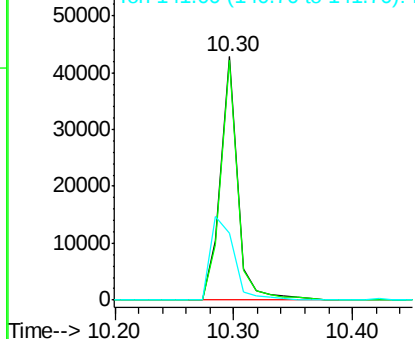


#41
 2,4,6-Tribromophenol
 Concen: 90.54 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

Tgt Ion:330 Resp: 43000
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.8 115.2
 141 47.2 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

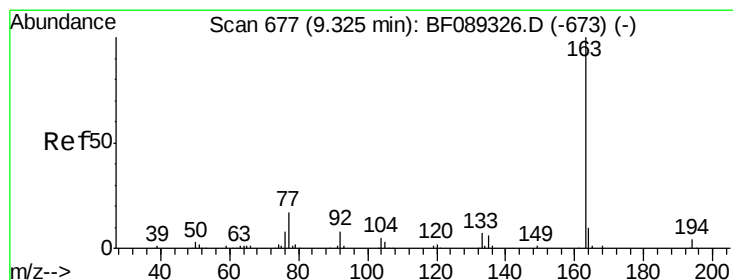
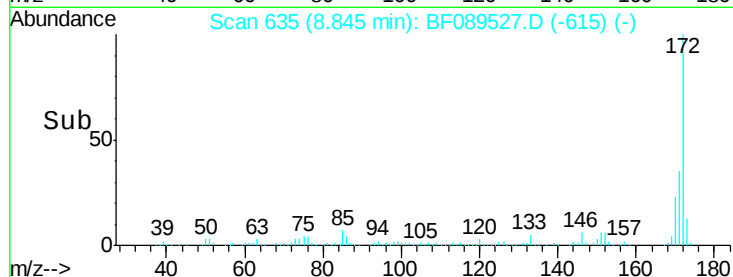
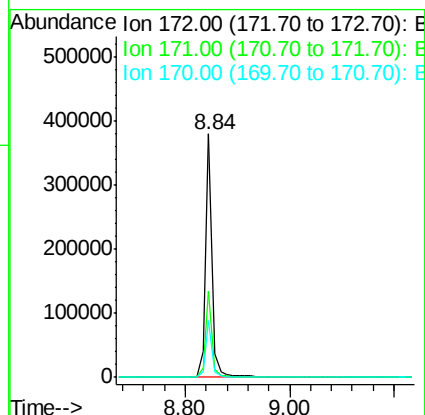
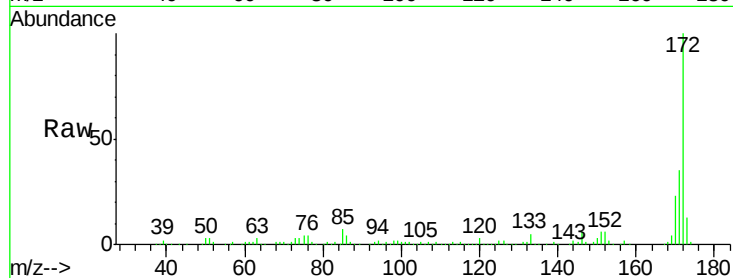




#44
 2-Fluorobiphenyl
 Concen: 86.41 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

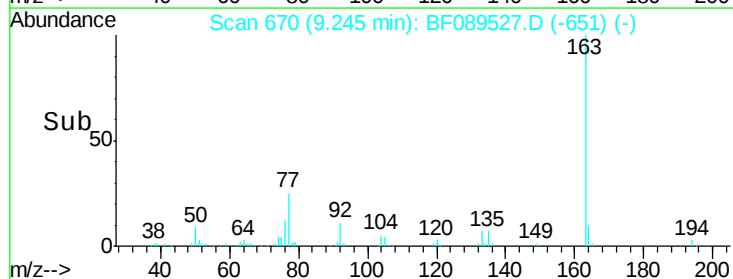
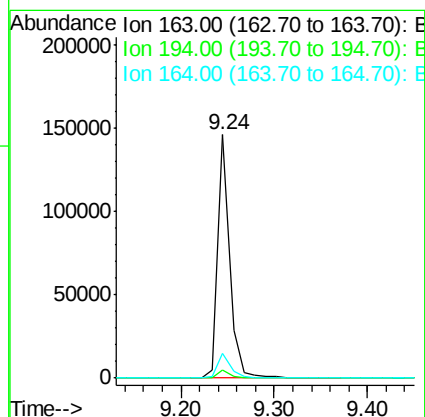
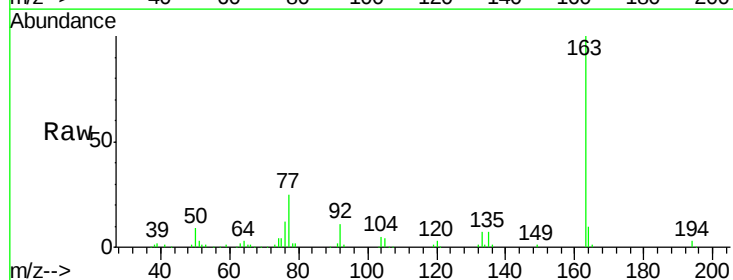
Instrument :
 BNA_F
 ClientSampleId :
 SB-61-0.5-1.5

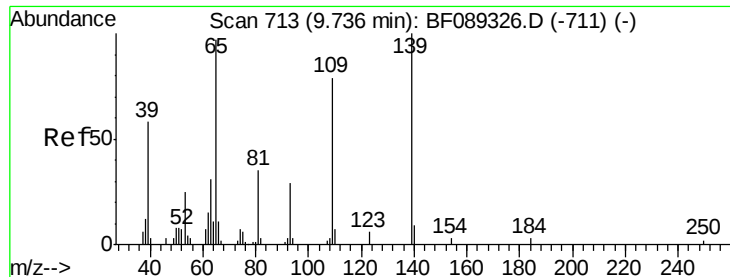
Tgt Ion:172 Resp: 337633
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.2 43.8
 170 23.1 19.2 28.8



#49
 Dimethylphthalate
 Concen: 29.61 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.08 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

Tgt Ion:163 Resp: 129242
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.3 7.8 11.8





#55

4-Nitrophenol

Concen: 8.03 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.02 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

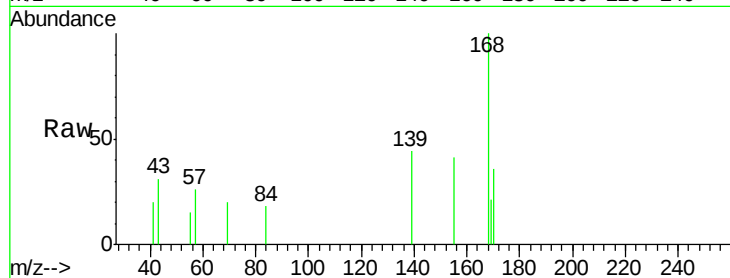
Tgt Ion:139 Resp: 921

Ion Ratio Lower Upper

139 100

109 0.0 57.8 97.8#

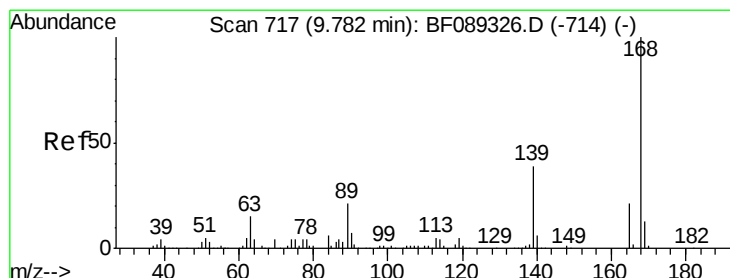
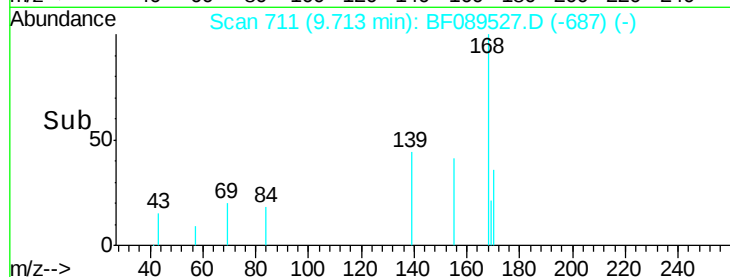
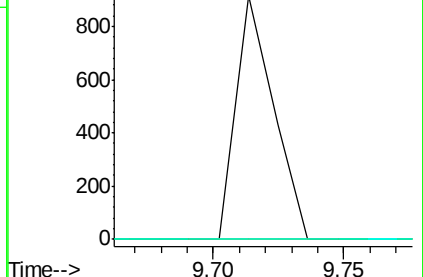
65 0.0 81.7 121.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.27 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Tgt Ion:165 Resp: 7484

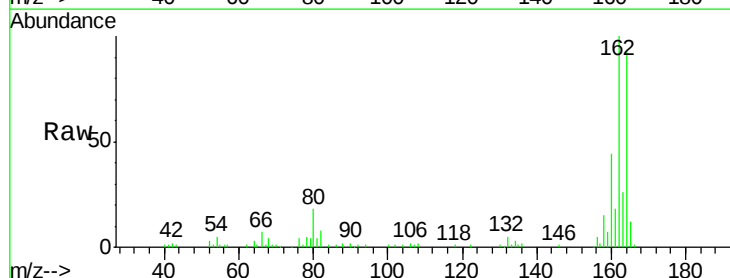
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

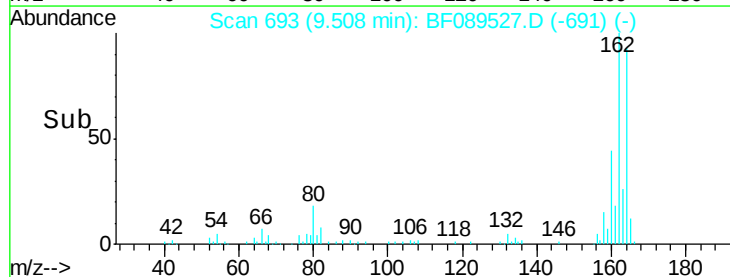
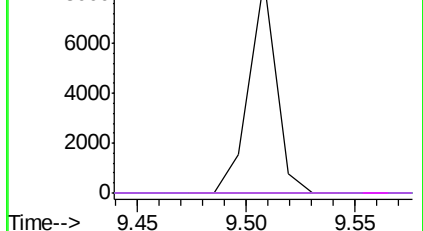


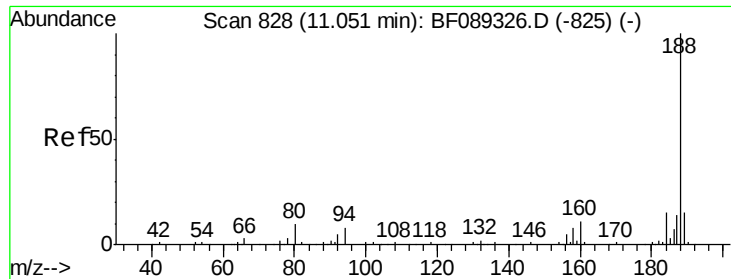
Abundance Ion 165.00 (164.70 to 165.70): E

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

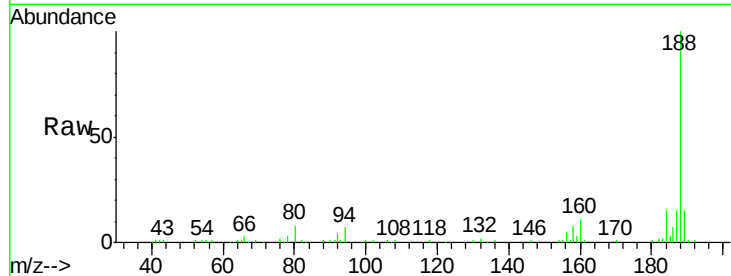




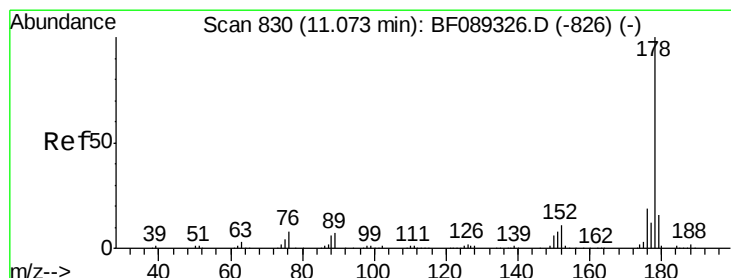
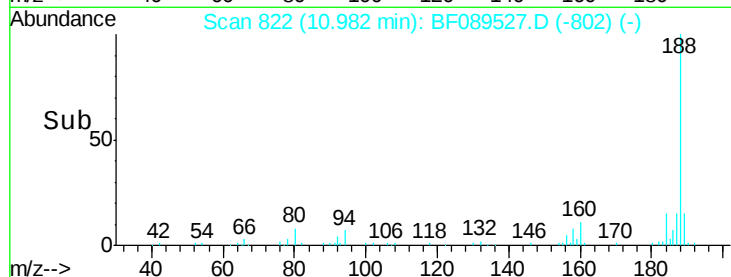
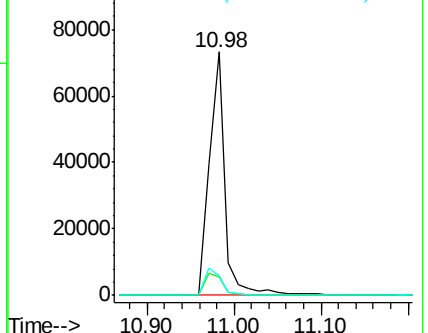
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.07 min
Lab File: BF089527.D
Acq: 1 Aug 2016 23:26

Instrument :
BNA_F
ClientSampleId :
SB-61-0.5-1.5

Tgt Ion:188 Resp: 91216
Ion Ratio Lower Upper
188 100
94 7.4 6.5 9.7
80 8.3 7.2 10.8

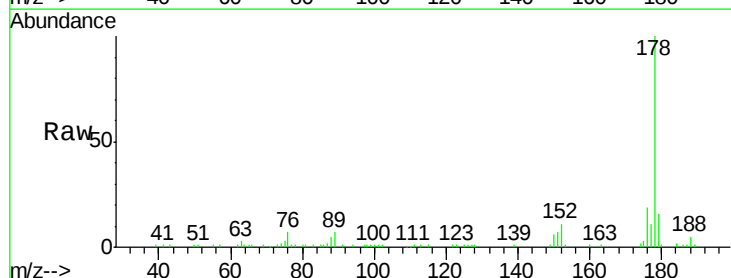


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

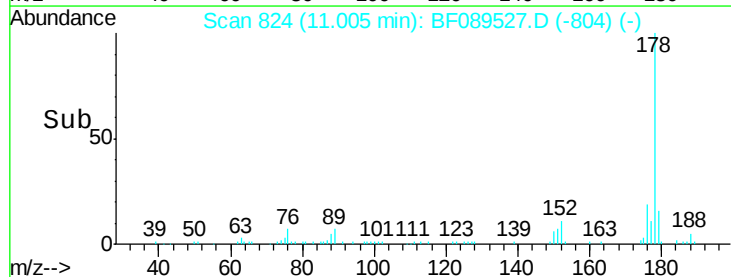
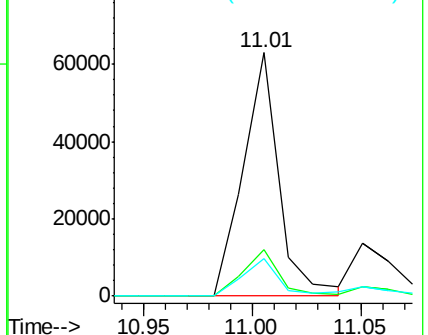


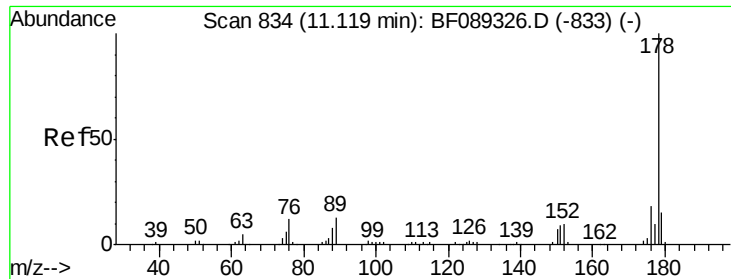
#70
Phenanthrene
Concen: 15.30 ng
RT: 11.01 min Scan# 824
Delta R.T. -0.07 min
Lab File: BF089527.D
Acq: 1 Aug 2016 23:26

Tgt Ion:178 Resp: 71959
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 12.3 18.5



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

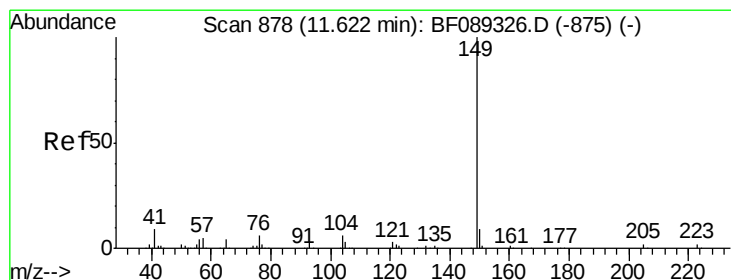
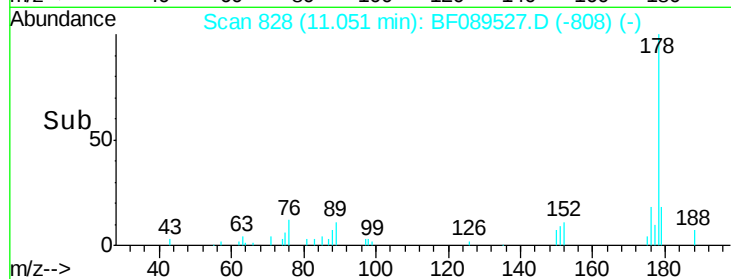
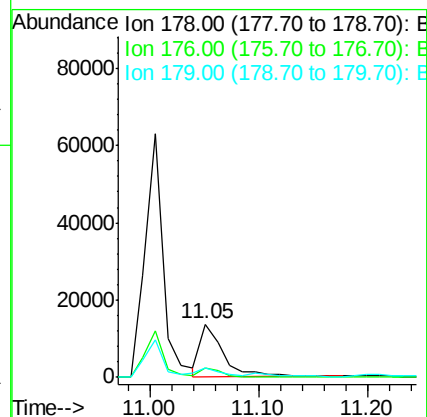
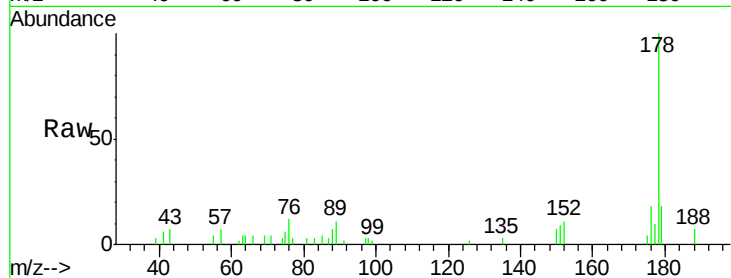




#71
 Anthracene
 Concen: 3.93 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.07 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

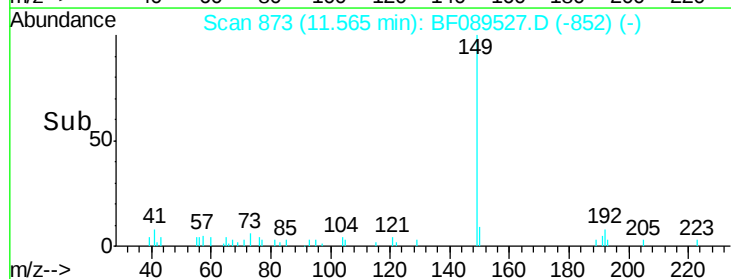
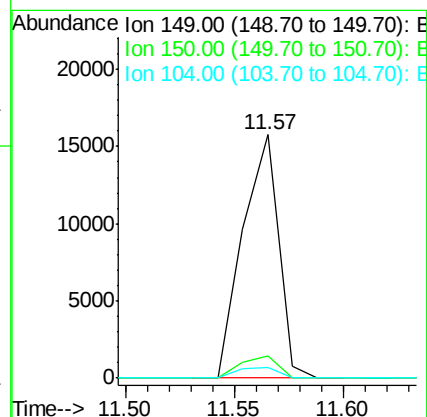
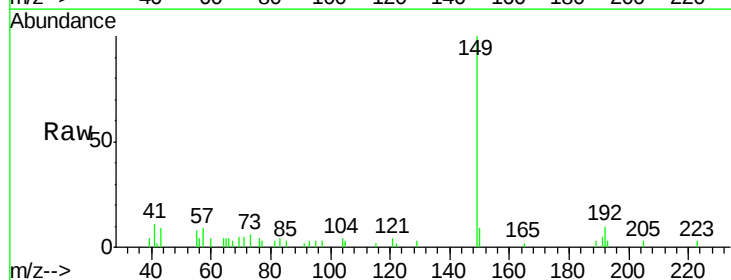
Instrument :
 BNA_F
 ClientSampleId :
 SB-61-0.5-1.5

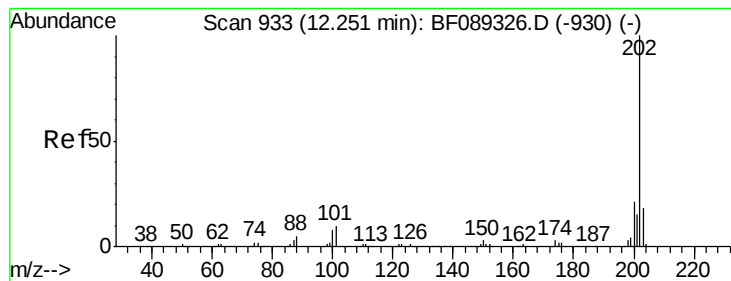
Tgt Ion:178 Resp: 20580
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.8 22.2
 179 18.3 12.6 18.8



#73
 Di-n-butylphthalate
 Concen: 3.04 ng
 RT: 11.57 min Scan# 873
 Delta R.T. -0.06 min
 Lab File: BF089527.D
 Acq: 1 Aug 2016 23:26

Tgt Ion:149 Resp: 17984
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 4.2 4.7 7.1#





#74

Fluoranthene

Concen: 29.12 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.07 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

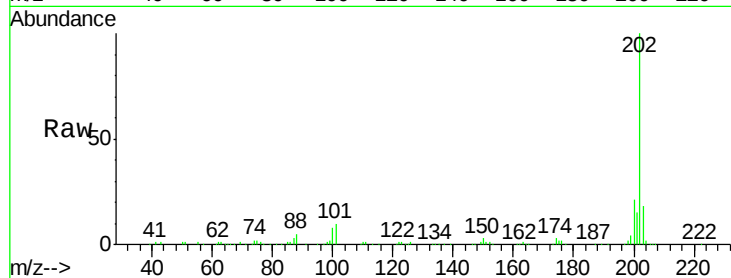
Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

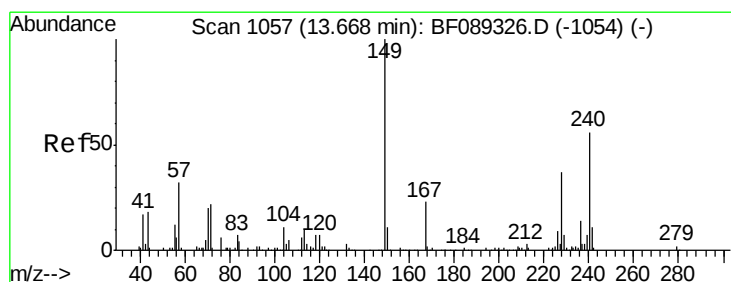
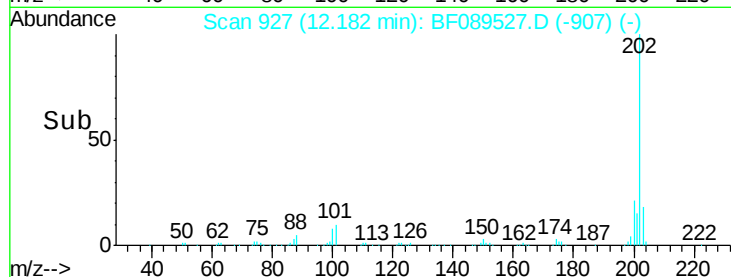
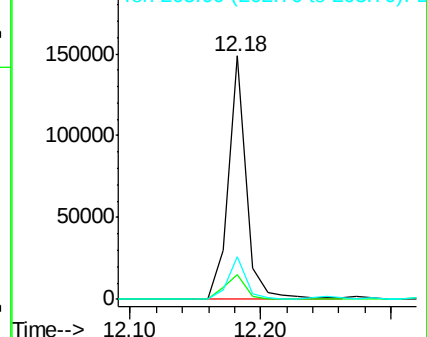
Tgt Ion:	202	Resp:	144128
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.9
203	17.6	0.0	37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

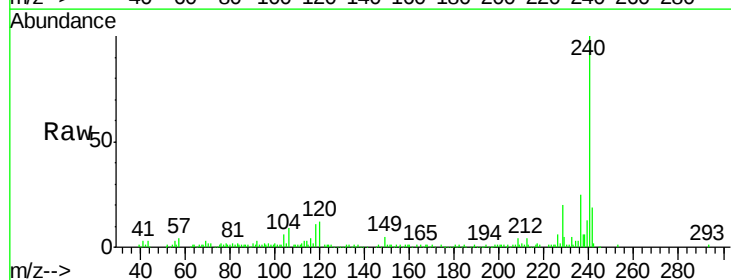
RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

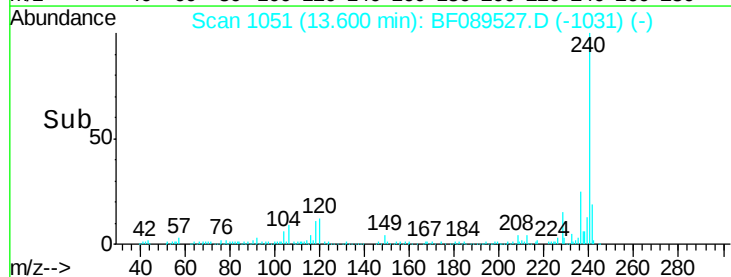
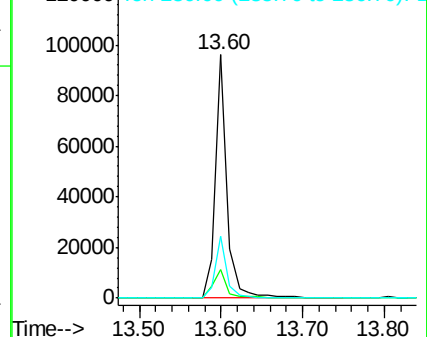
Tgt Ion:	240	Resp:	97114
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.1	13.7
236	25.4	20.6	30.8

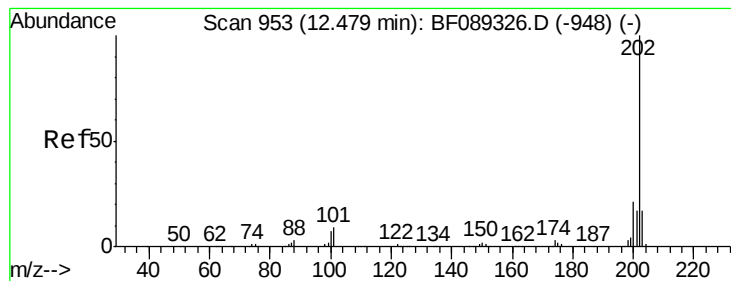


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.58 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.29 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

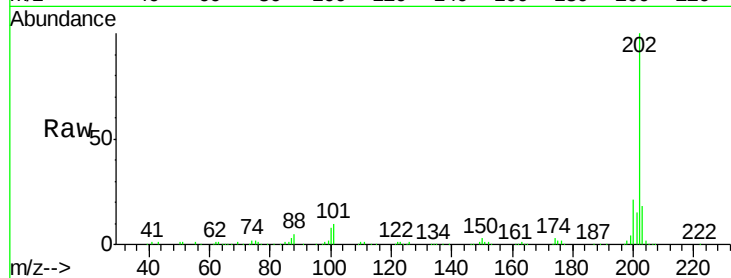
Tgt Ion: 202 Resp: 144128

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

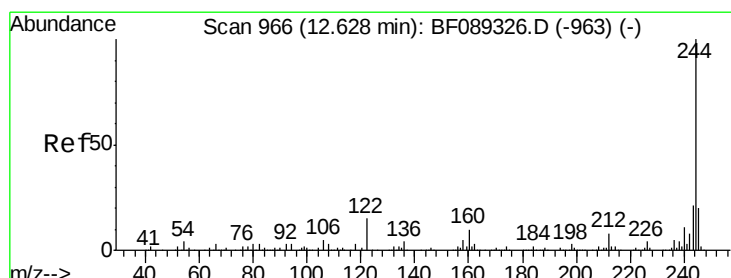
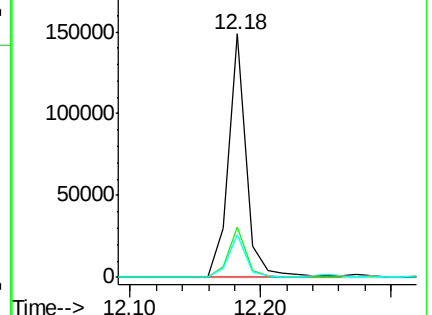
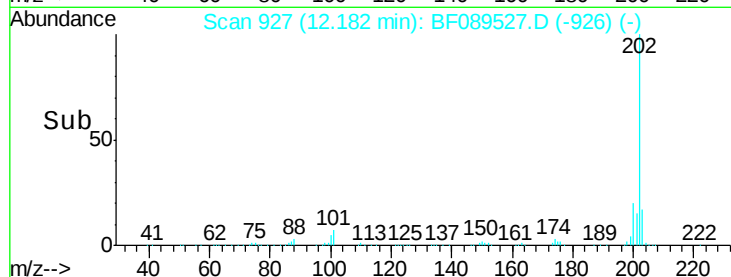
203 17.6 14.0 21.0



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: 53.68 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.07 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

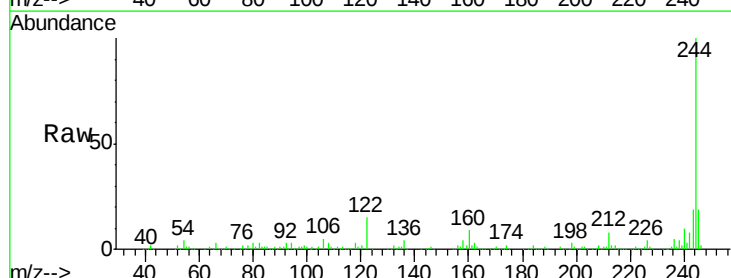
Tgt Ion: 244 Resp: 222755

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

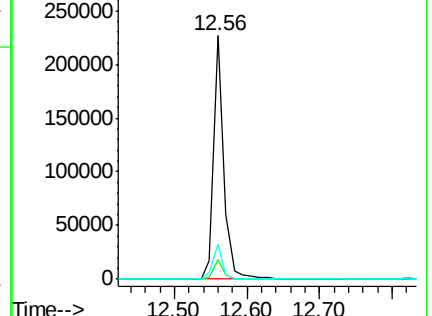
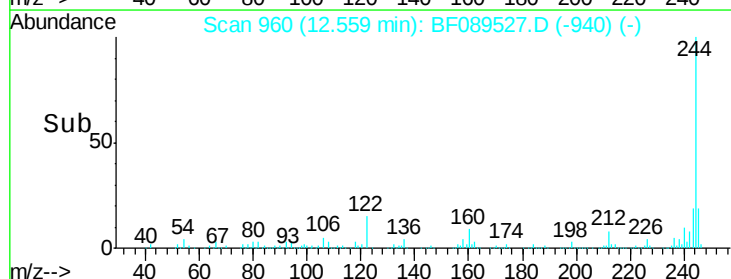
122 14.6 11.4 17.0

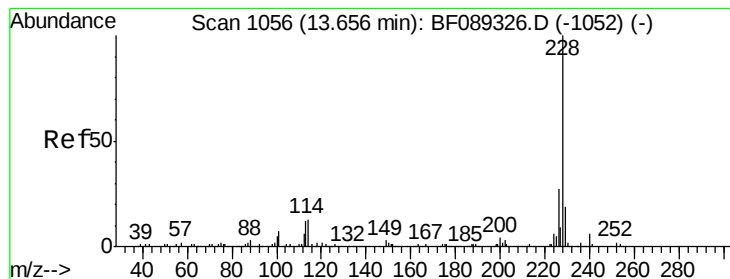


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.56 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.07 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

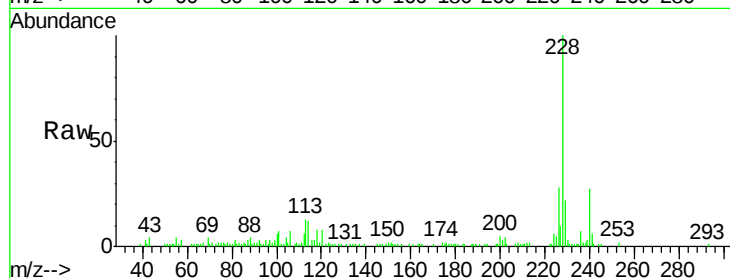
Tgt Ion:228 Resp: 68860

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.2

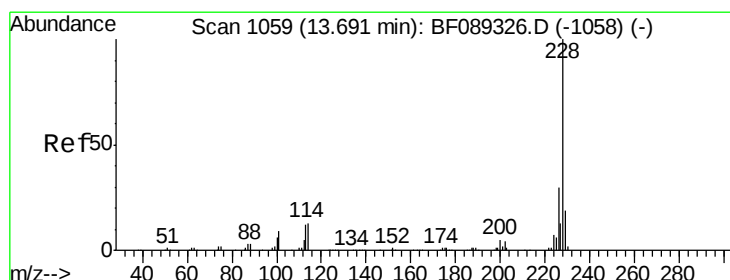
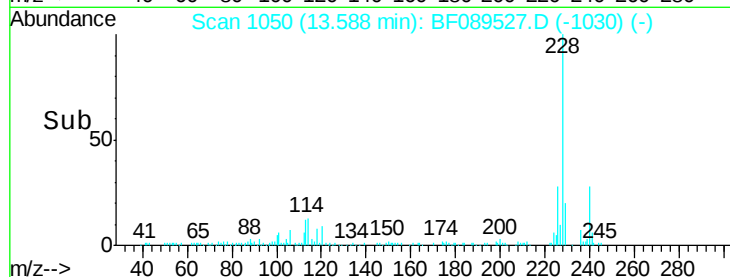
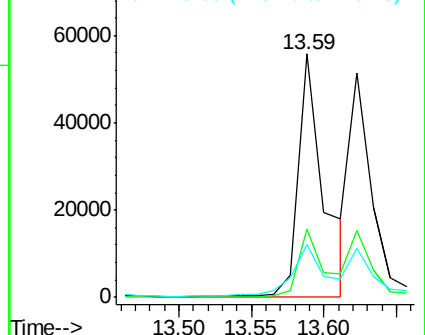
229 21.6 15.9 23.9



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



#82

Chrysene

Concen: 9.49 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.07 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

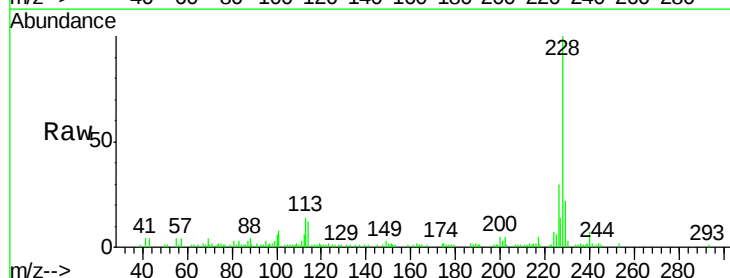
Tgt Ion:228 Resp: 55389

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

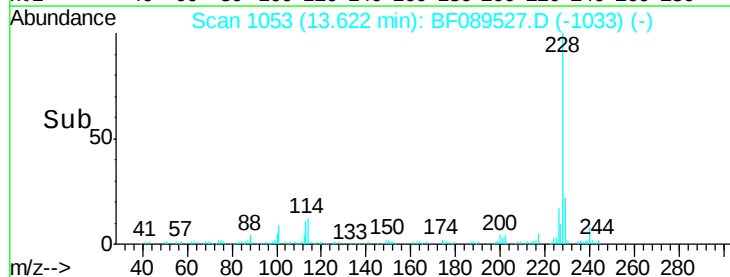
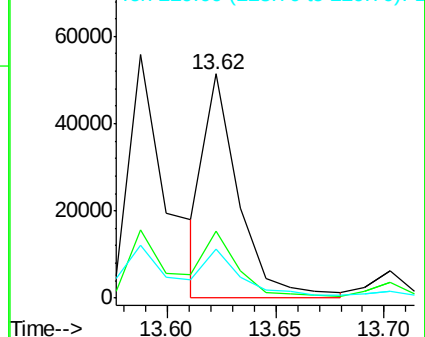
229 22.0 15.9 23.9

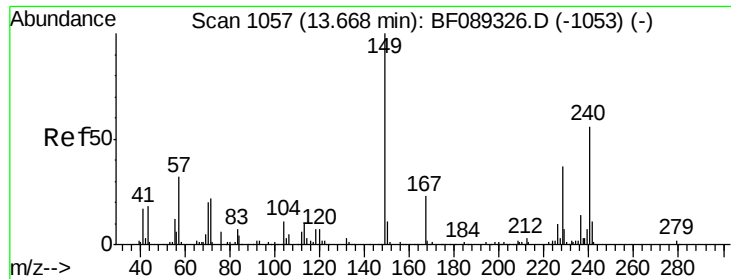


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.58 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

Instrument :

BNA_F

ClientSampleId :

SB-61-0.5-1.5

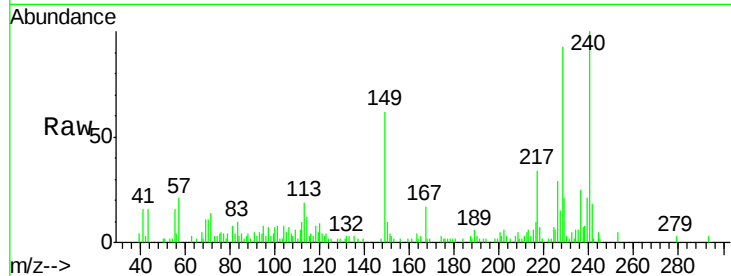
Tgt Ion:149 Resp: 12477

Ion Ratio Lower Upper

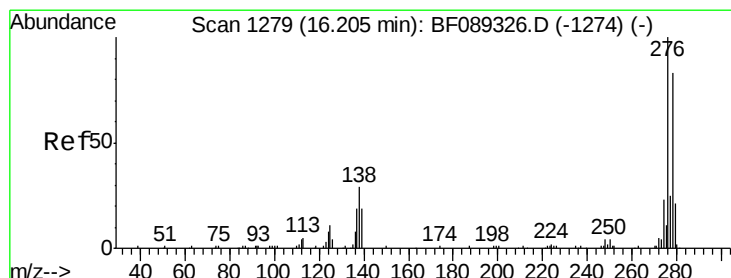
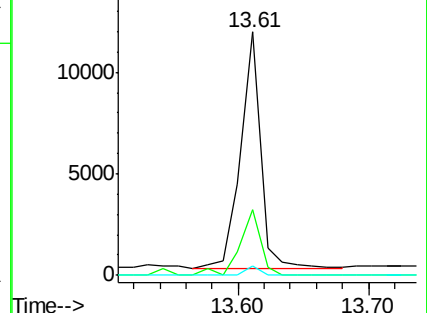
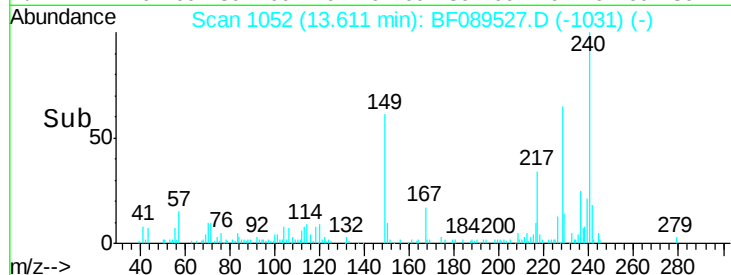
149 100

167 26.8 18.8 28.2

279 4.1 1.4 2.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.14 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.11 min

Lab File: BF089527.D

Acq: 1 Aug 2016 23:26

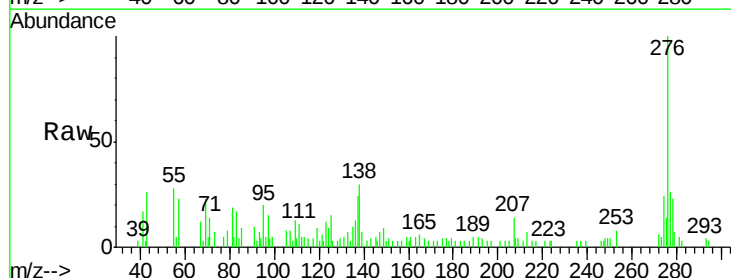
Tgt Ion:276 Resp: 25485

Ion Ratio Lower Upper

276 100

138 28.6 23.0 34.4

277 31.7 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

