

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089059.D
 Acq On : 16 Jul 2016 17:11
 Operator : UM/SJ
 Sample : H3989-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

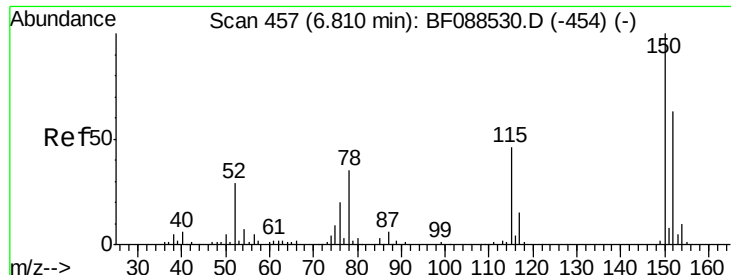
Quant Time: Jul 18 01:15:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	55393	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	223661	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	94067	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	140225	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	101548	20.00	ng	-0.05
86) Perylene-d12	15.19	264	75496	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	522273	141.31	ng	-0.02
7) Phenol-d6	6.33	99	699992	146.57	ng	-0.02
23) Nitrobenzene-d5	7.23	82	348387	81.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	77811	89.08	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	582537	97.82	ng	-0.05
78) Terphenyl-d14	12.77	244	361139	79.21	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.82	79	7495	2.13	ng	# 45
19) n-Nitroso-di-n-propylamine	7.23	70	48652	15.17	ng	# 74
25) Isophorone	7.23	82	256419	32.43	ng	# 65
49) Dimethylphthalate	9.43	163	112968	16.86	ng	# 98
56) 2,4-Dinitrotoluene	9.70	165	12402	6.39	ng	# 37
66) 4-Bromophenyl-phenylether	10.49	248	6582	4.66	ng	# 1
70) Phenanthrene	11.20	178	44532	5.81	ng	# 99
74) Fluoranthene	12.39	202	90996	11.71	ng	# 95
77) Pyrene	12.62	202	76119	8.84	ng	# 99
80) Benzo(a)anthracene	13.79	228	42441	6.49	ng	# 90
82) Chrysene	13.79	228	42635	6.59	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.82	149	33866	7.72	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.47	276	14330	2.88	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	51883	10.96	ng	# 80
88) Benzo(k)fluoranthene	14.81	252	51989	12.61	ng	# 86
89) Benzo(a)pyrene	15.13	252	24993	6.23	ng	# 87
91) Benzo(a,h,i)perylene	16.86	276	13747	3.97	ng	# 88

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

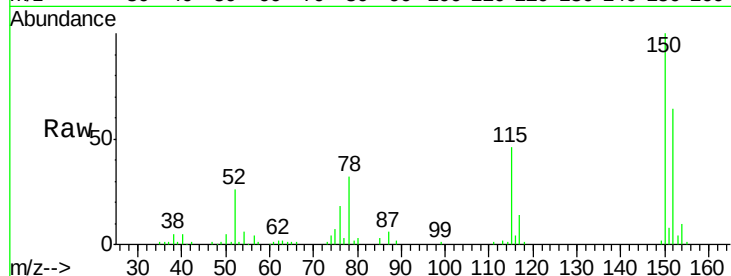


#1

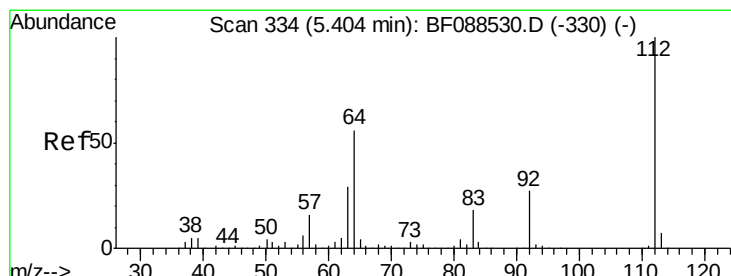
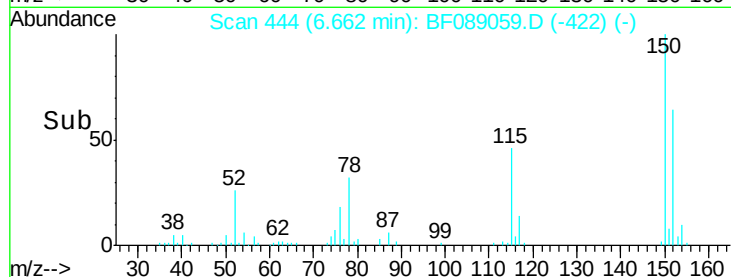
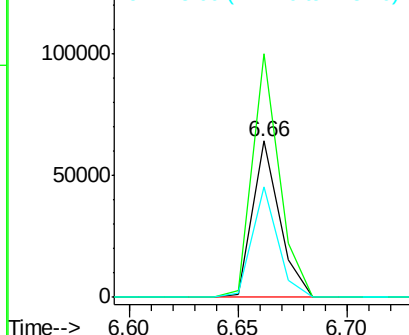
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55393
Ion Ratio Lower Upper
152 100
150 155.9 123.8 185.6
115 71.0 39.6 59.4#



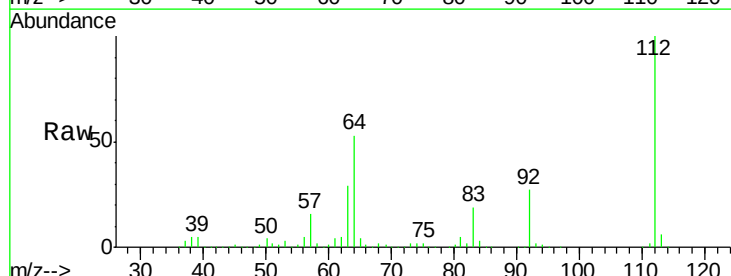
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



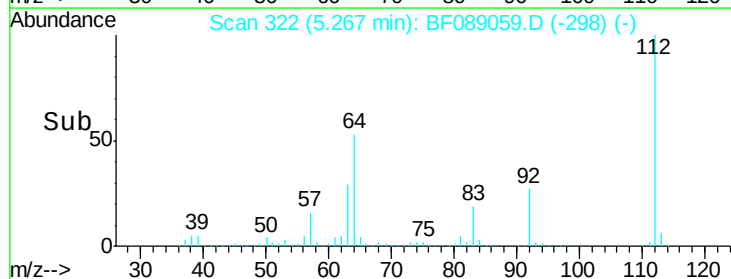
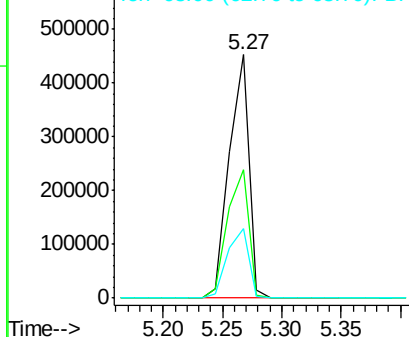
#5

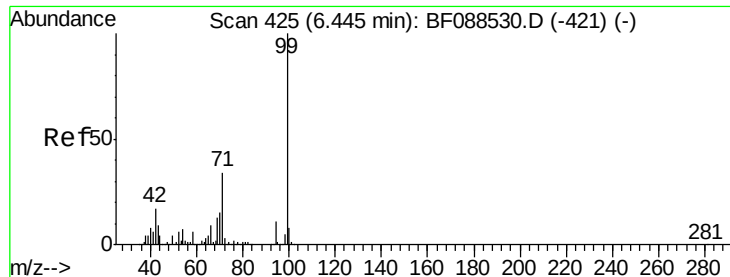
2-Fluorophenol
Concen: 141.31 ng
RT: 5.27 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:112 Resp: 522273
Ion Ratio Lower Upper
112 100
64 53.0 42.2 63.2
63 28.5 21.8 32.8



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





#7

Phenol-d6

Concen: 146.57 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

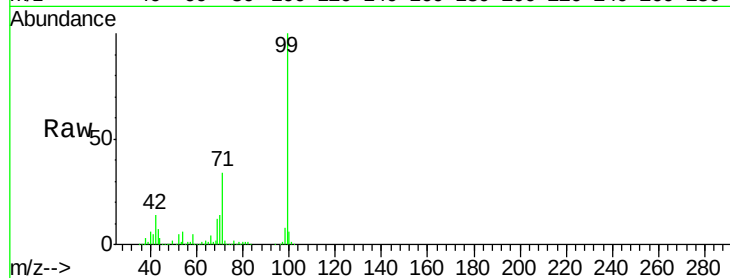
Tot Ion: 99 Resp: 699992

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

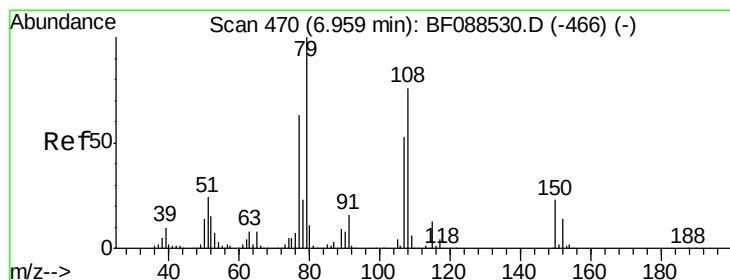
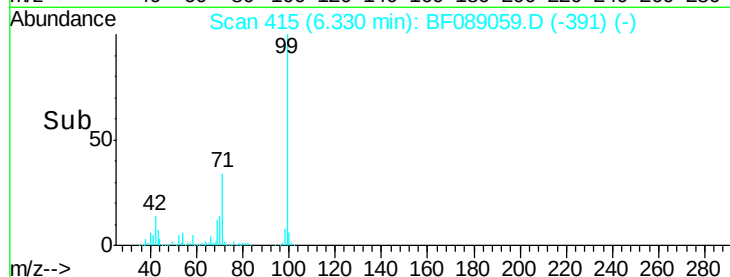
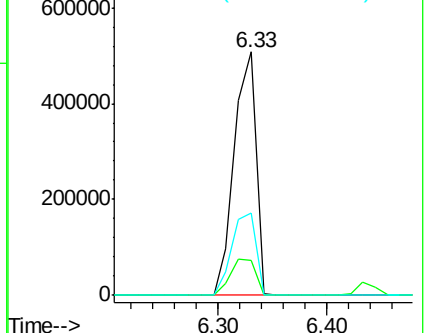
71 34.0 23.4 35.0



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



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

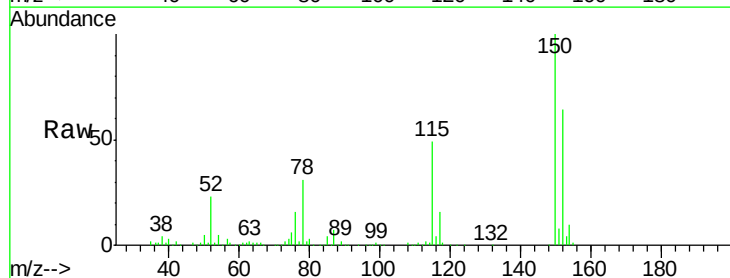
Tgt Ion: 79 Resp: 7495

Ion Ratio Lower Upper

79 100

108 30.1 65.0 97.6#

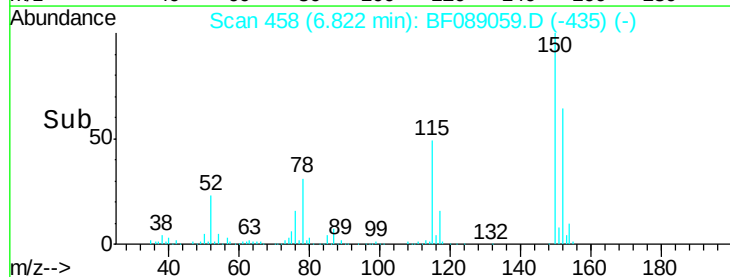
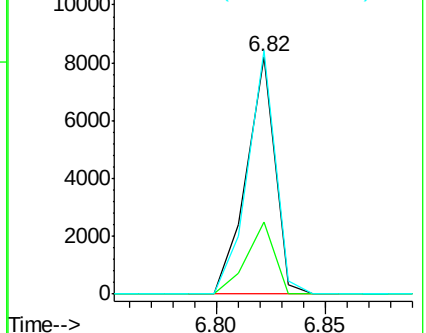
77 102.4 50.3 75.5#

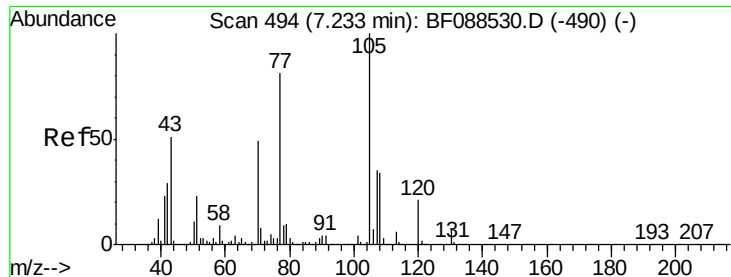


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

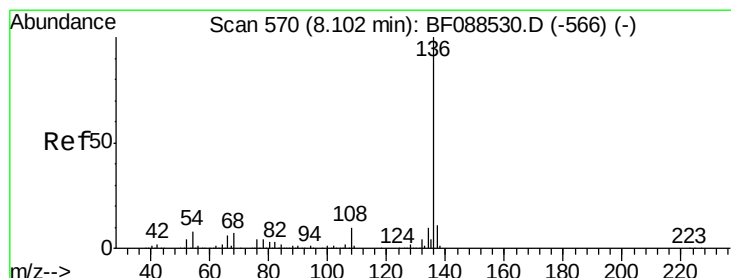
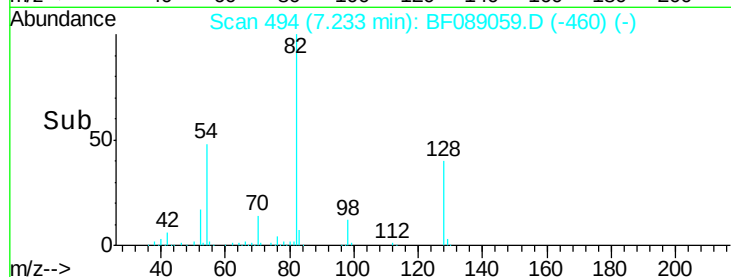
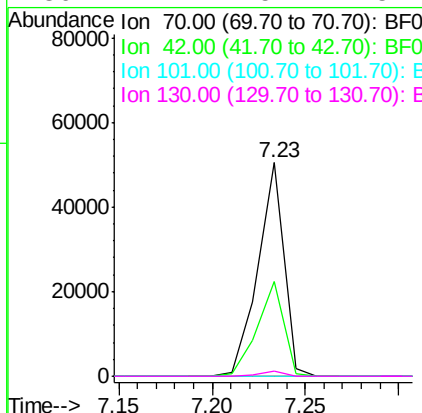
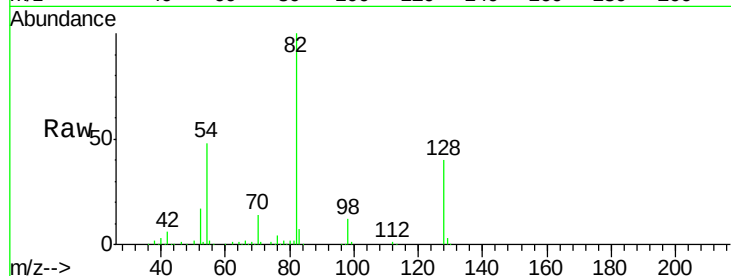




#19
n-Nitroso-di-n-propylamine
Concen: 15.17 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.09 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

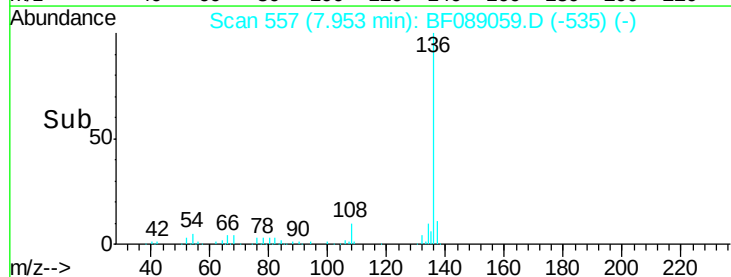
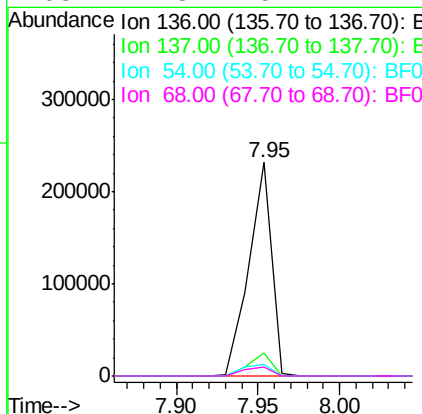
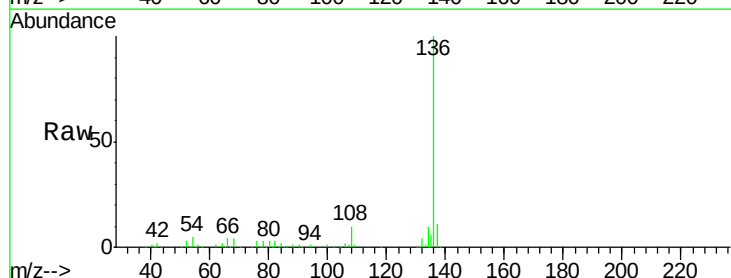
Instrument :
BNA_F
ClientSampleId :

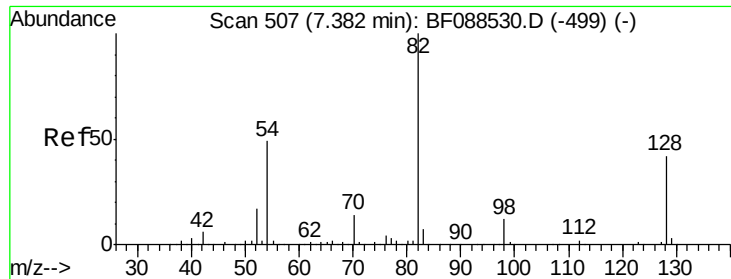
Tot Ion: 70 Resp: 48652
Ion Ratio Lower Upper
70 100
42 44.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:136 Resp: 223661
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.4 6.6 10.0#
68 4.3 5.1 7.7#

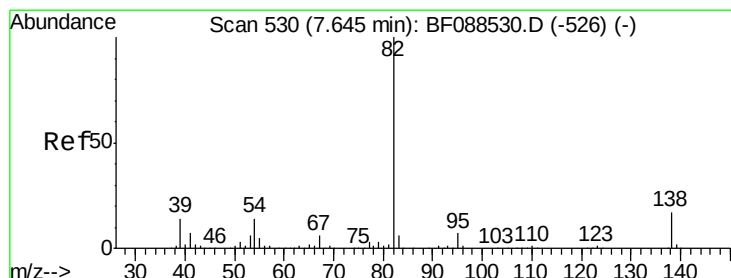
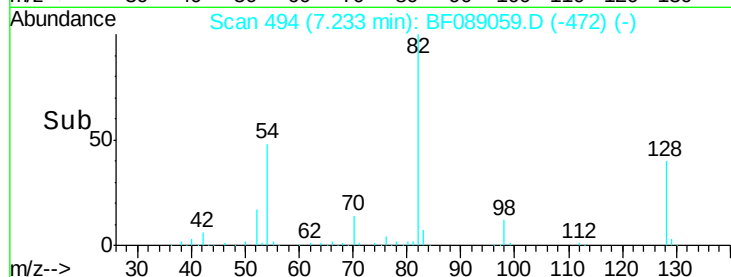
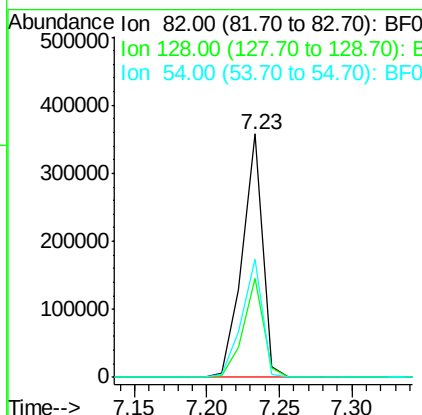
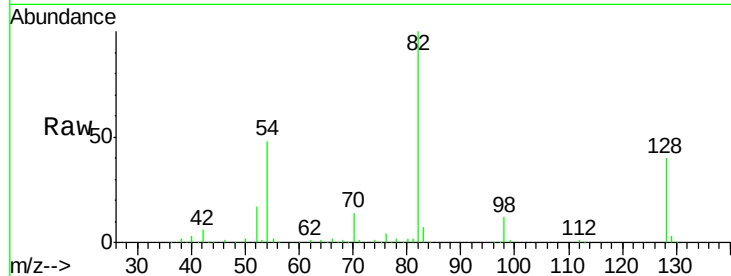




#23
Nitrobenzene-d5
Concen: 81.63 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

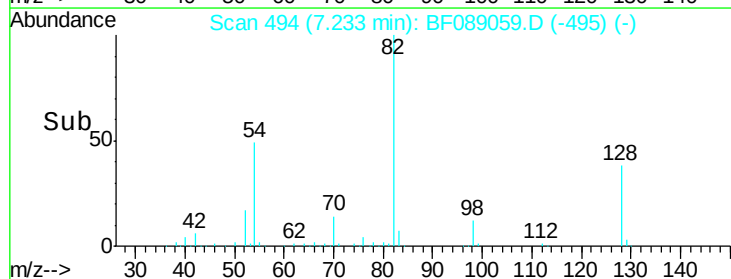
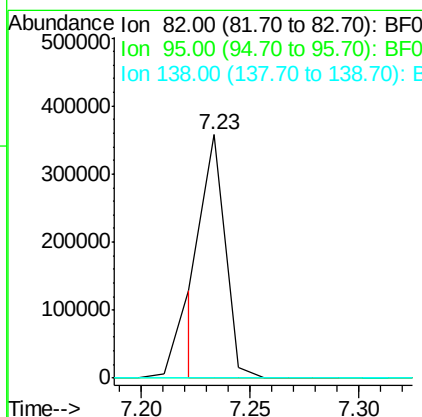
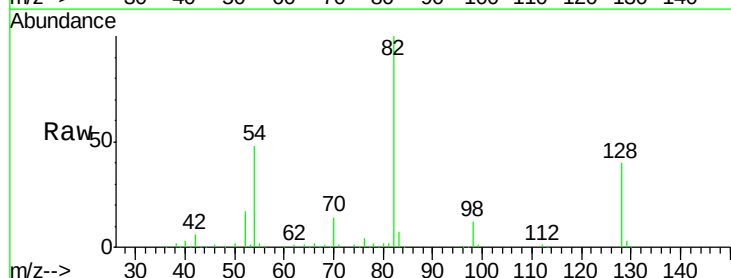
Instrument :
BNA_F
ClientSampled :

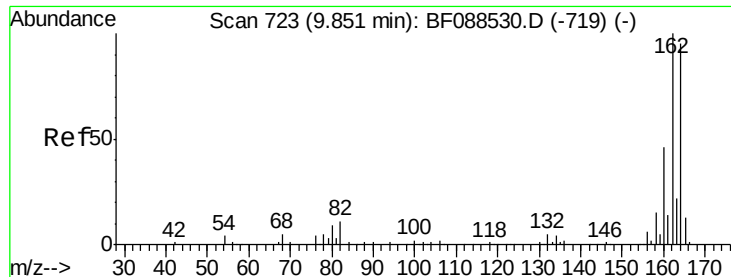
Tot Ion	82	Resp	348387
Ion Ratio	100	Lower	Upper
128	40.4	35.9	53.9
54	48.5	40.9	61.3



#25
Isophorone
Concen: 32.43 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.31 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion	82	Resp	256419
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#

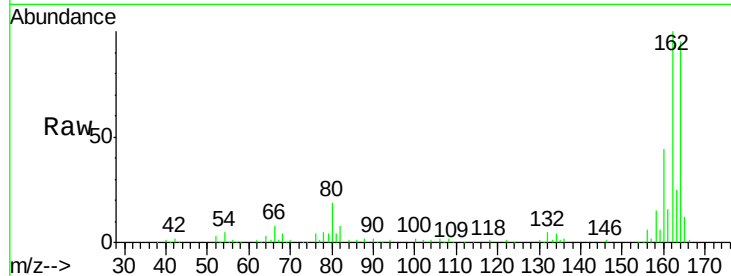




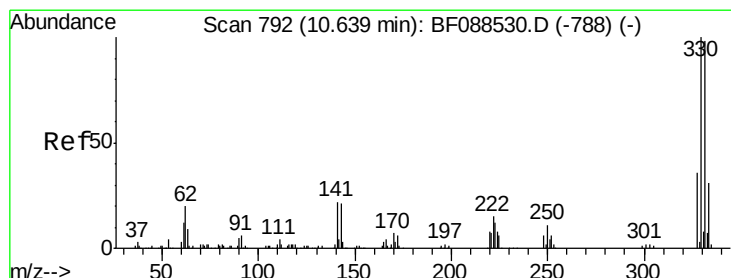
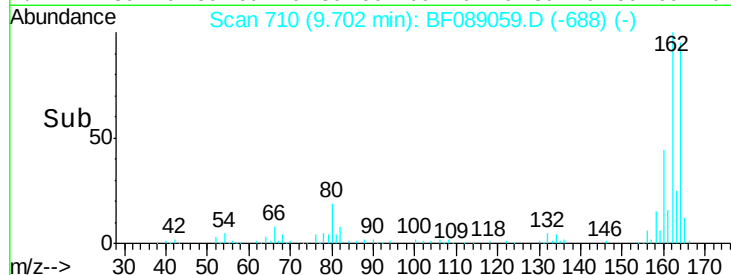
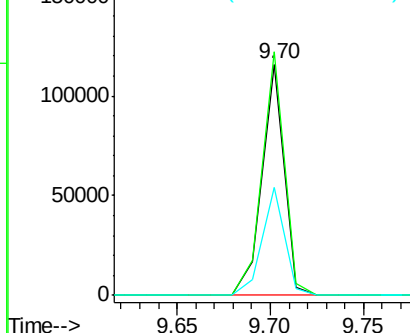
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 94067
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.2
160 46.5 39.5 59.3

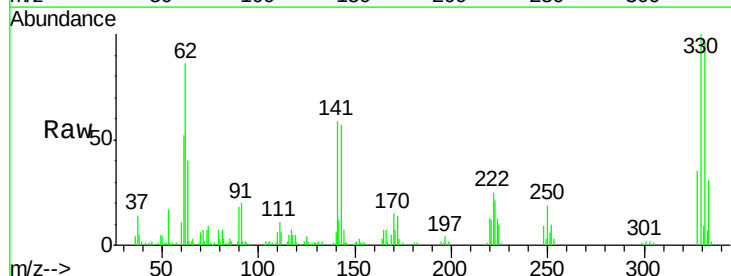


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

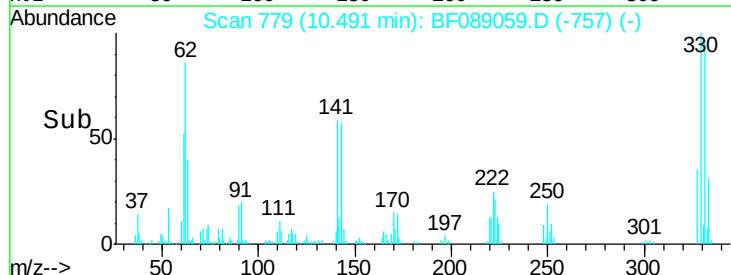
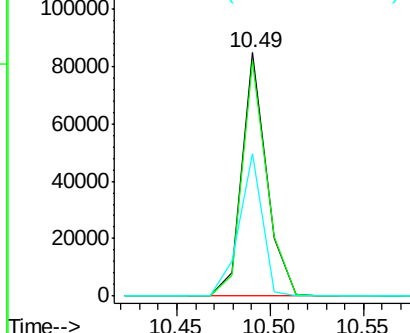


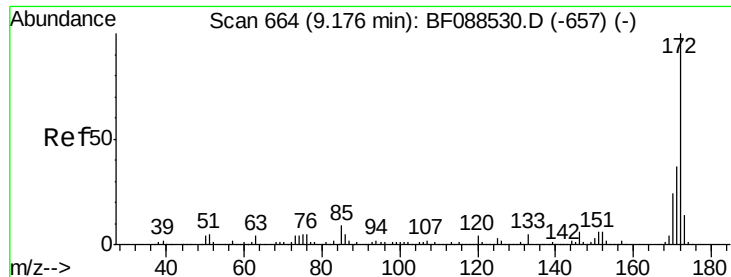
#41
2,4,6-Tribromophenol
Concen: 89.08 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:330 Resp: 77811
Ion Ratio Lower Upper
330 100
332 97.1 0.0 0.0#
141 56.1 0.0 0.0#



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

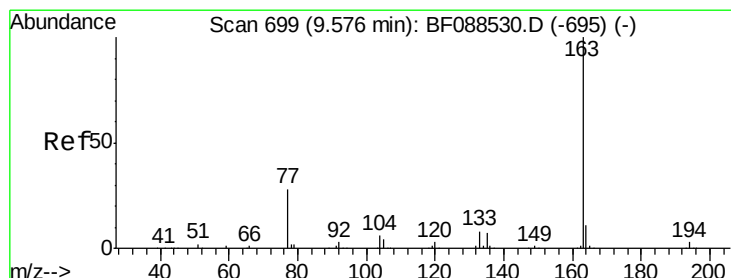
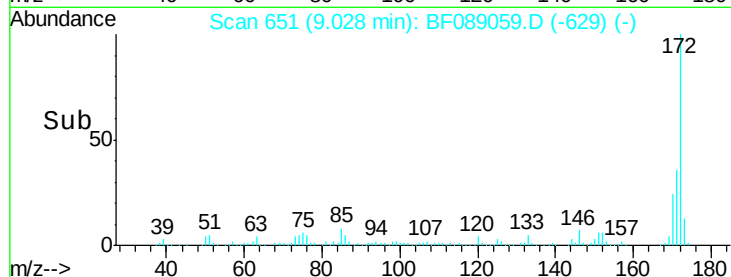
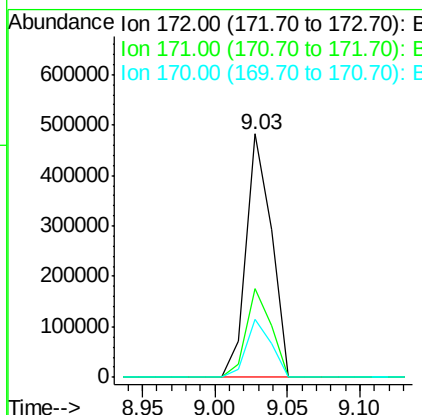
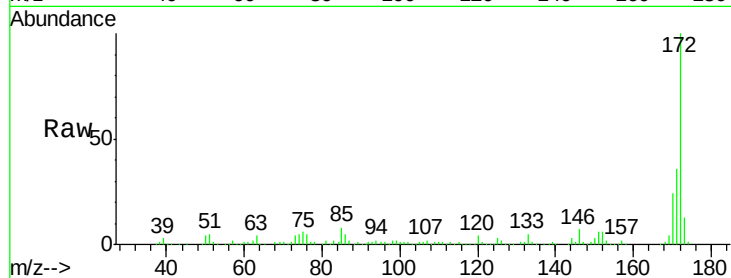




#44
2-Fluorobiphenyl
Concen: 97.82 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

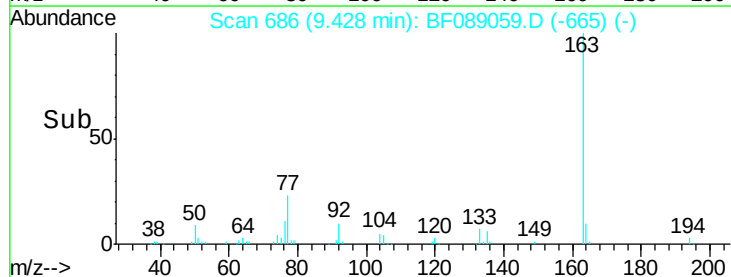
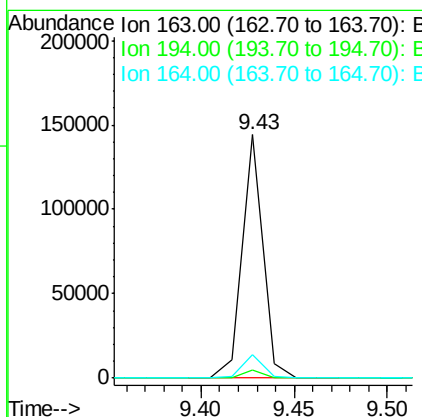
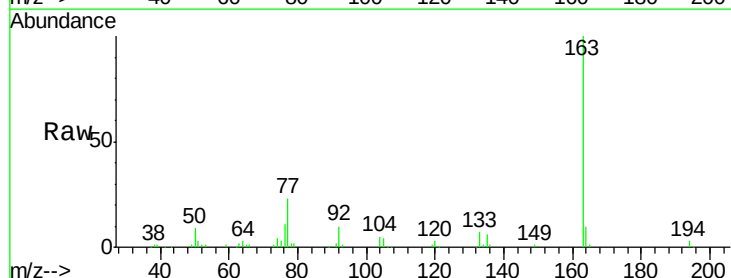
Instrument :
BNA_F
ClientSampleId :

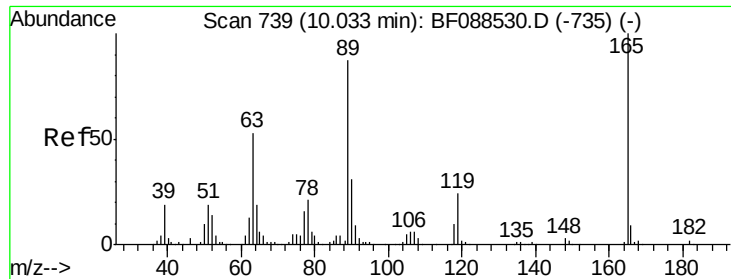
Tot Ion:172 Resp: 582537
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 23.7 19.2 28.8



#49
Dimethylphthalate
Concen: 16.86 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:163 Resp: 112968
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.7 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 6.39 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.24 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 12402

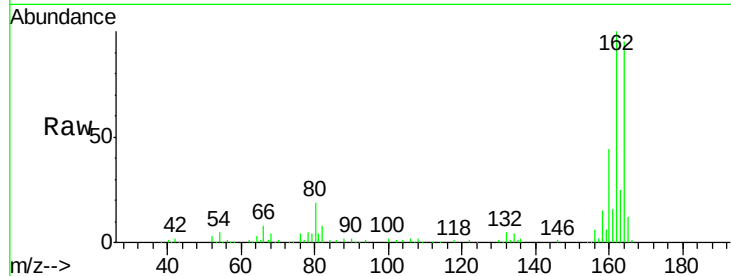
Ion Ratio Lower Upper

165 100

63 2.1 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

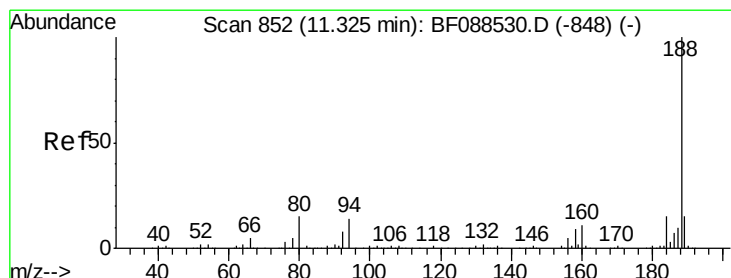
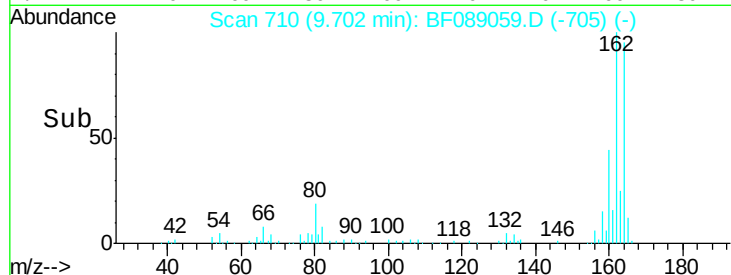
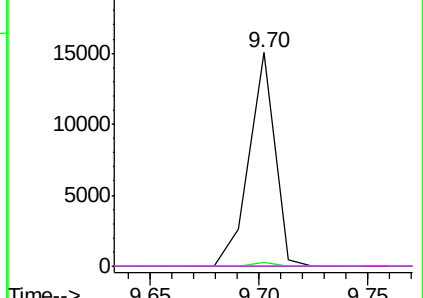


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.05 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

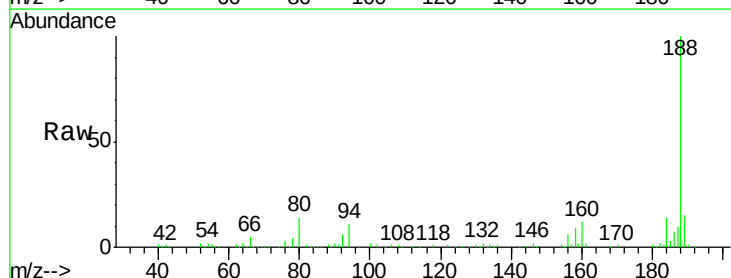
Tgt Ion:188 Resp: 140225

Ion Ratio Lower Upper

188 100

94 11.4 9.0 13.6

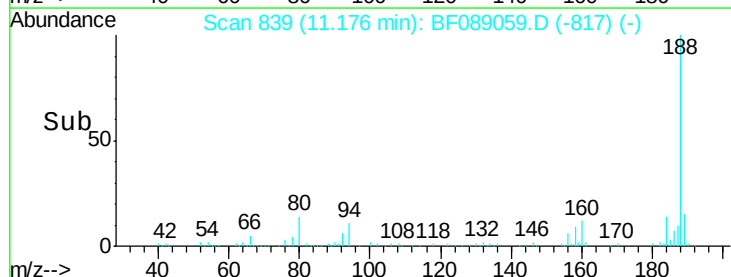
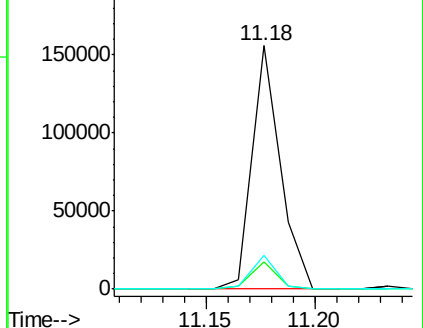
80 13.6 10.0 15.0

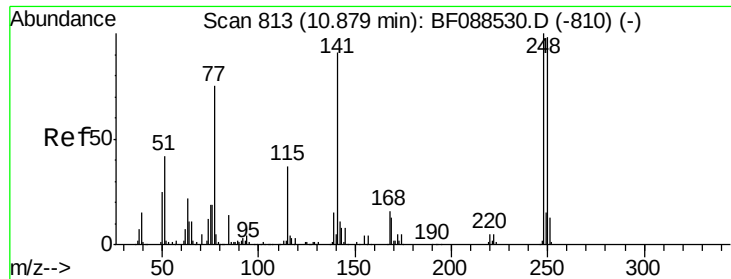


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

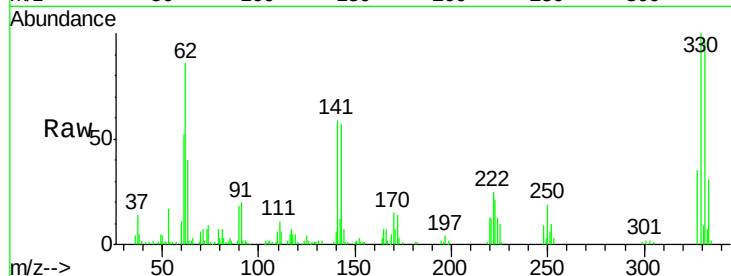




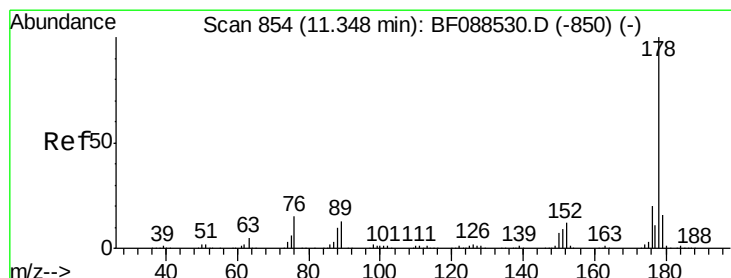
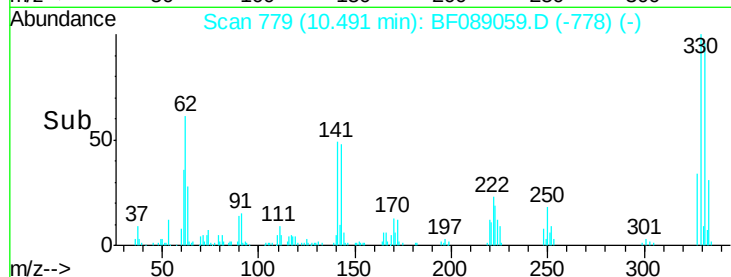
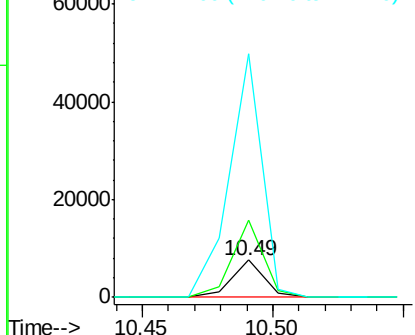
#66
4-Bromophenyl-phenylether
Concen: 4.66 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6582
Ion Ratio Lower Upper
248 100
250 206.1 77.1 115.7#
141 651.1 50.6 76.0#

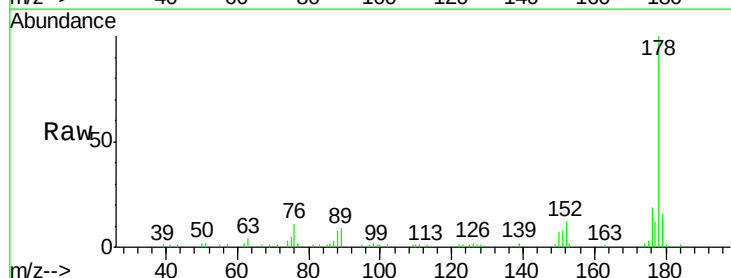


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

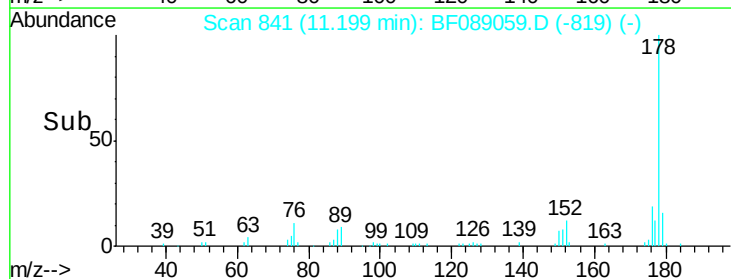
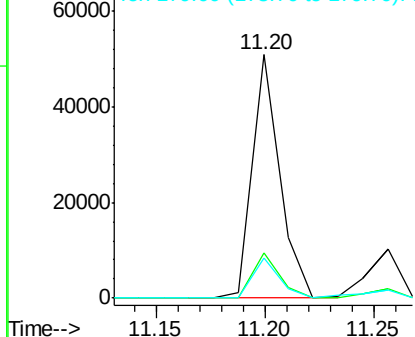


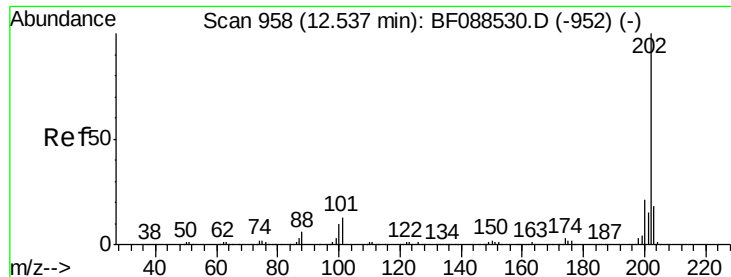
#70
Phenanthrene
Concen: 5.81 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.05 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:178 Resp: 44532
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 16.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.71 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

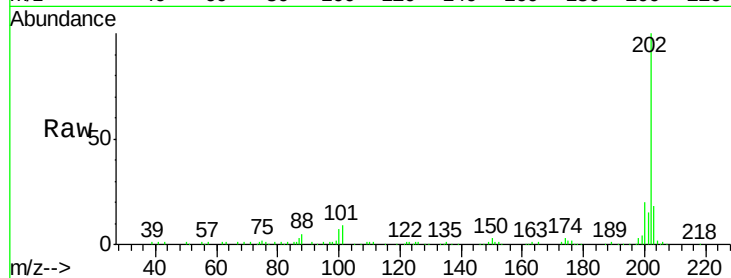
Tot Ion:202 Resp: 90996

Ion Ratio Lower Upper

202 100

101 8.7 0.0 33.1

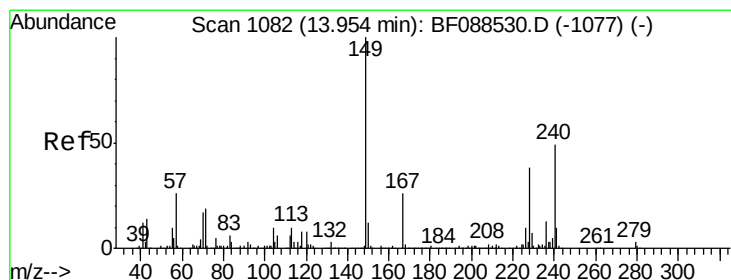
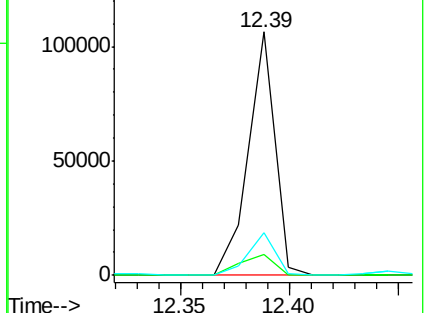
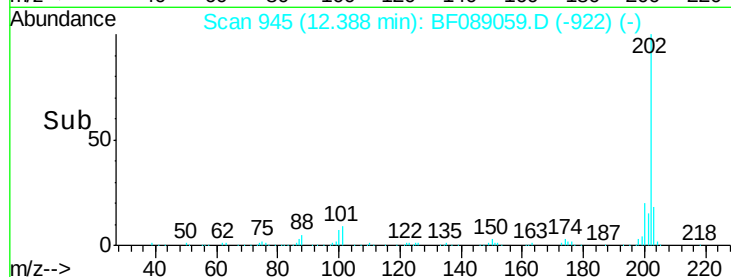
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

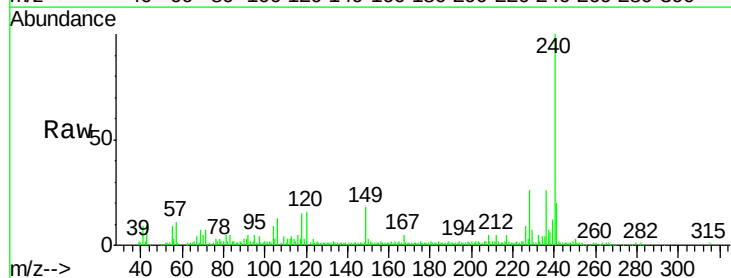
Tgt Ion:240 Resp: 101548

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

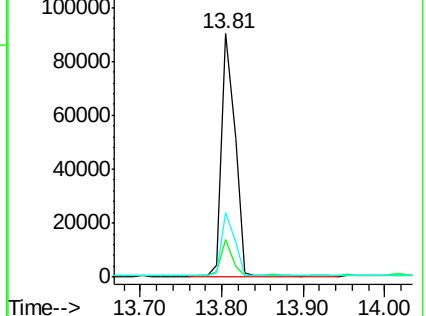
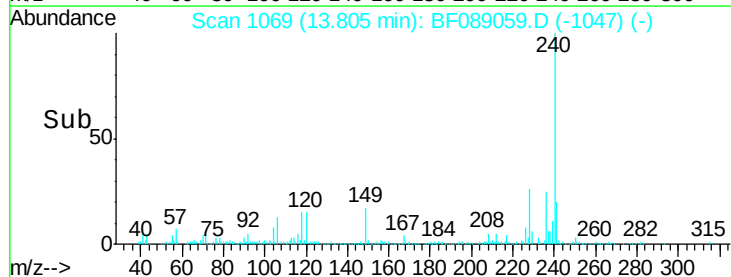
236 26.3 20.2 30.2

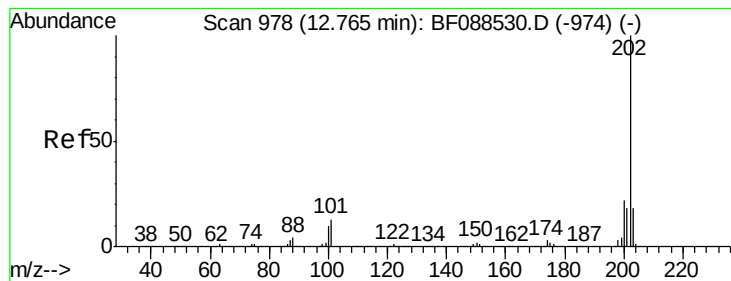


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.84 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

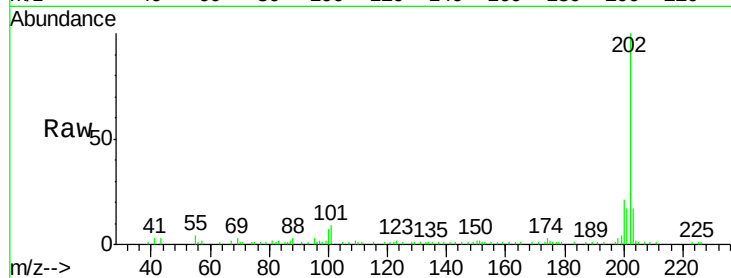
Tot Ion:202 Resp: 76119

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

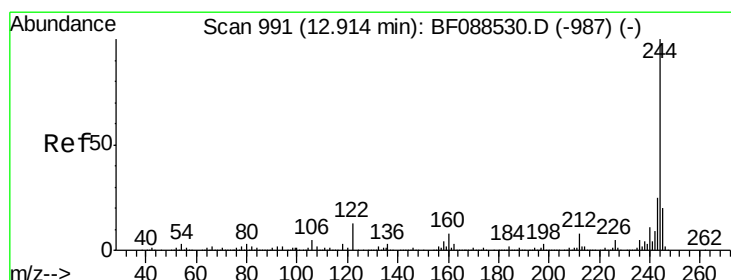
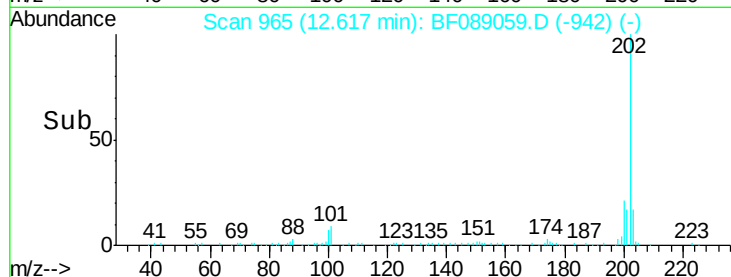
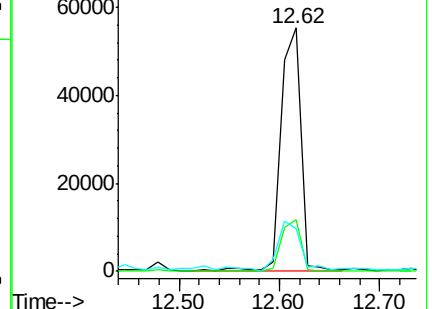
203 17.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 79.21 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

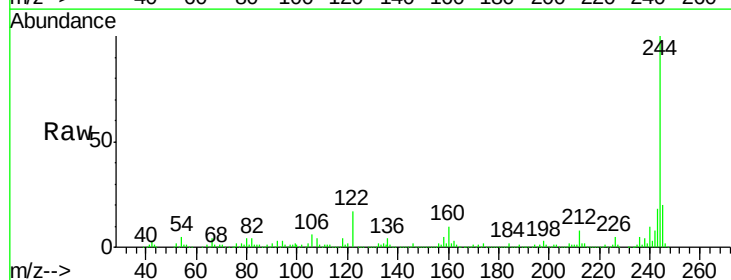
Tgt Ion:244 Resp: 361139

Ion Ratio Lower Upper

244 100

212 8.5 6.0 9.0

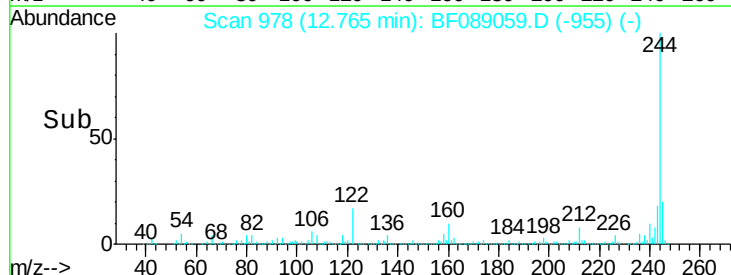
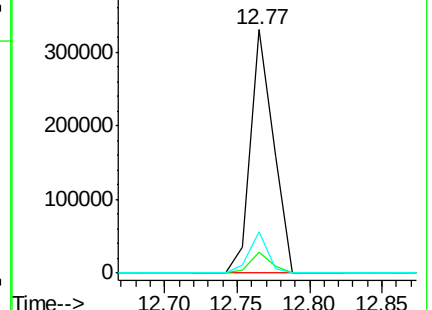
122 16.8 11.2 16.8#

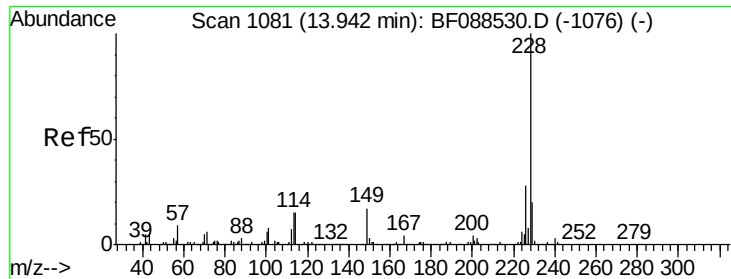


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.49 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089059.D

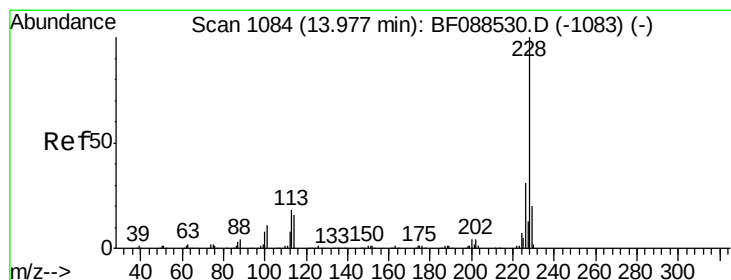
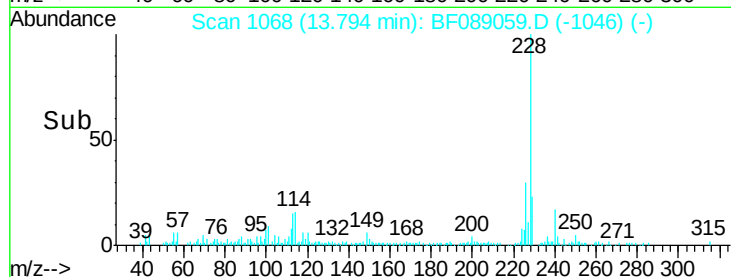
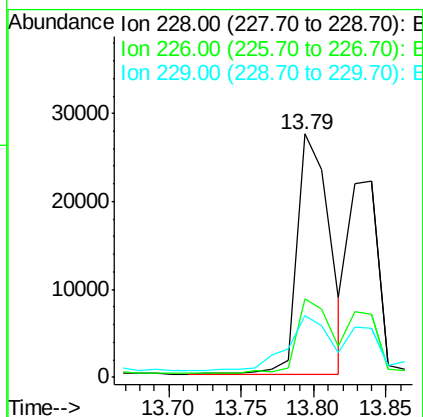
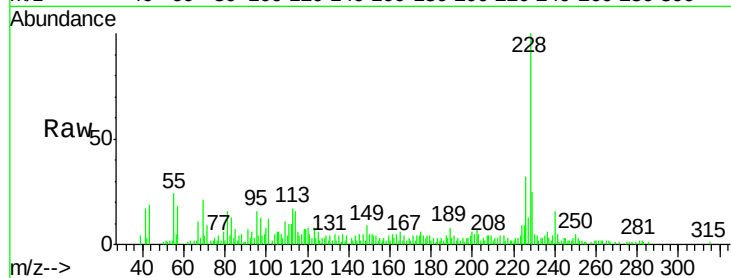
Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	42441
Ion Ratio	Lower	Upper
228	100	
226	32.1	22.3 33.5
229	25.4	16.0 24.0#



#82

Chrysene

Concen: 6.59 ng

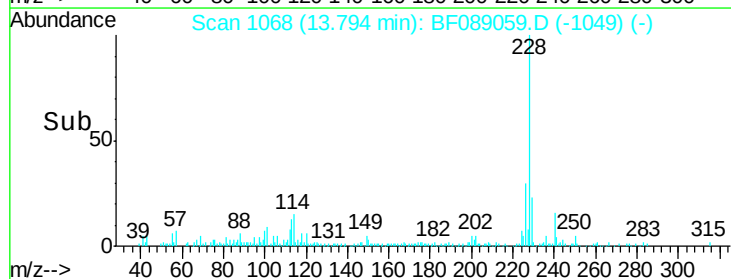
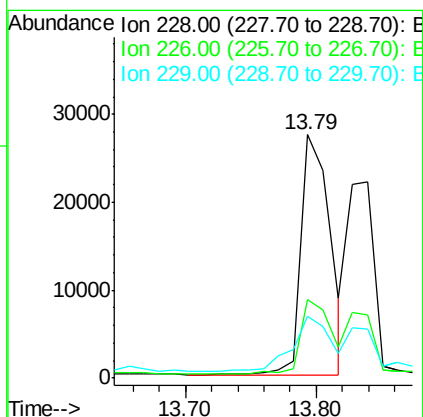
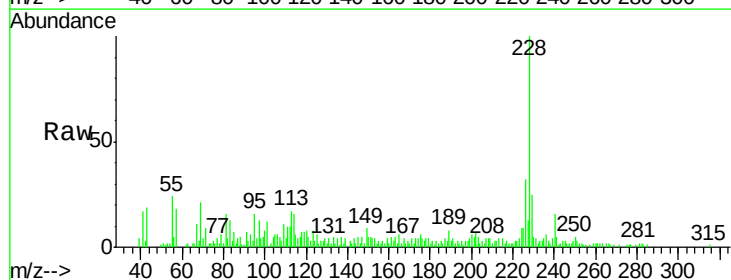
RT: 13.79 min Scan# 1068

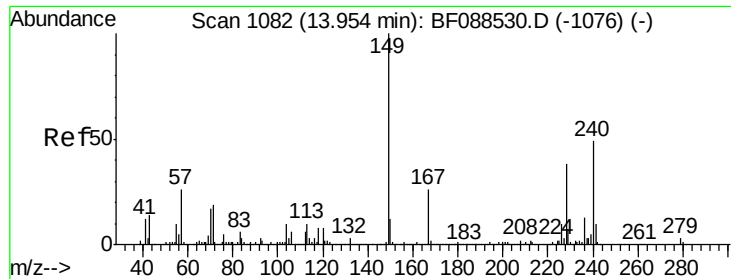
Delta R.T. -0.08 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Tgt Ion:228	Resp:	42635
Ion Ratio	Lower	Upper
228	100	
226	32.1	25.4 38.2
229	25.4	16.3 24.5#

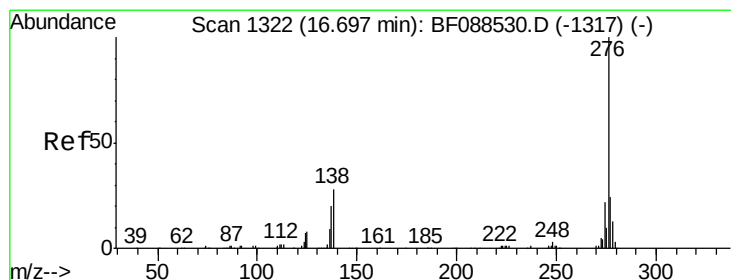
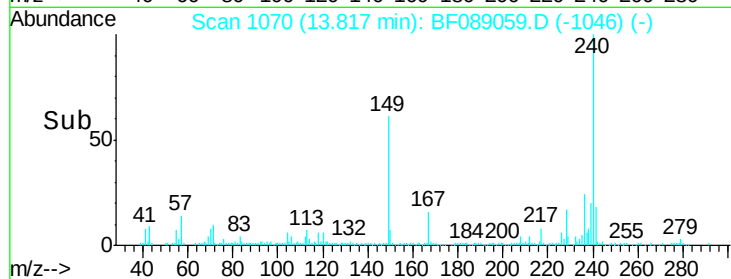
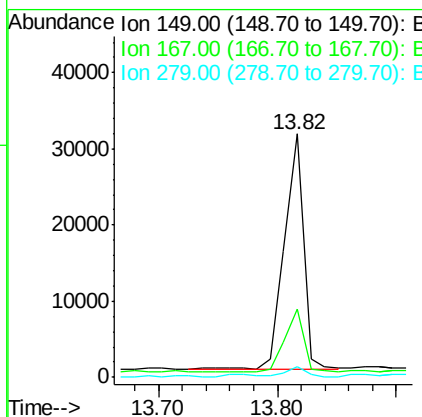
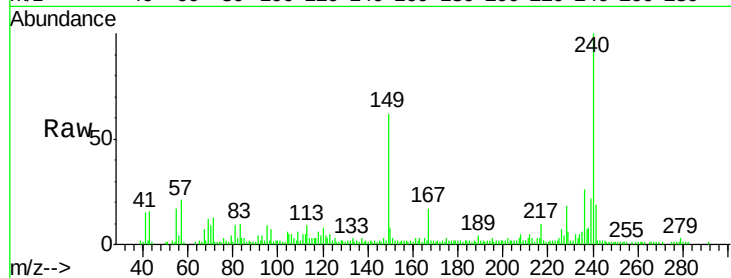




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.72 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

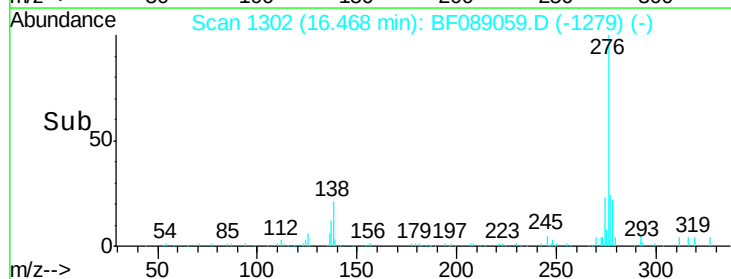
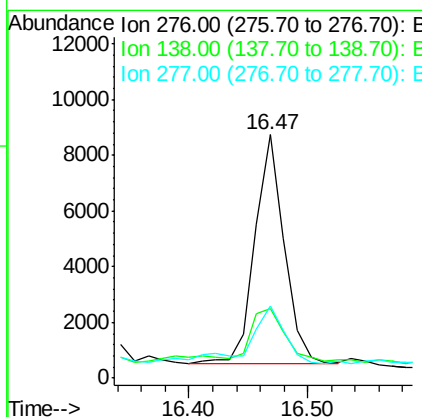
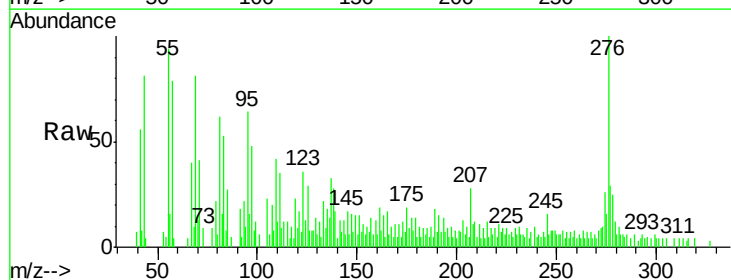
Instrument :
 BNA_F
 ClientSampleId :

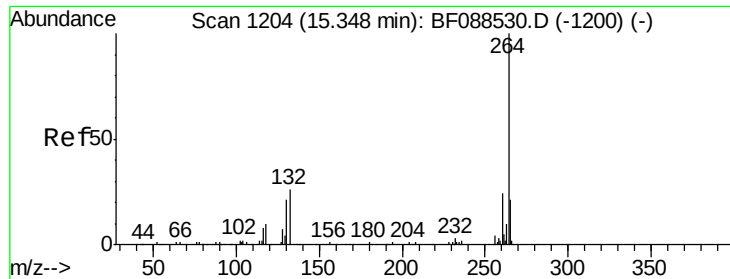
Tot Ion:149 Resp: 33866
 Ion Ratio Lower Upper
 149 100
 167 27.9 20.5 30.7
 279 4.4 2.0 3.0#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.88 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BF089059.D
 Acq: 16 Jul 2016 17:11

Tgt Ion:276 Resp: 14330
 Ion Ratio Lower Upper
 276 100
 138 26.9 0.0 0.0#
 277 31.1 0.0 0.0#

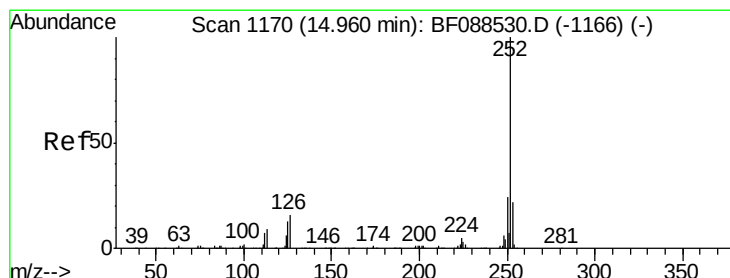
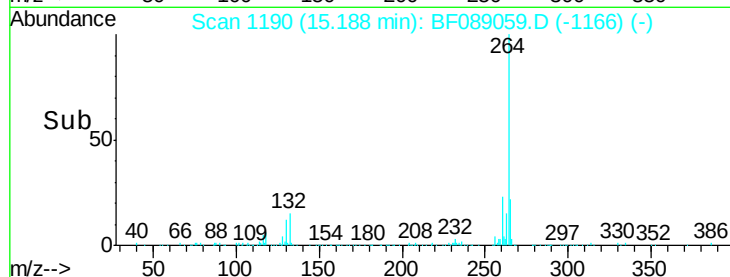
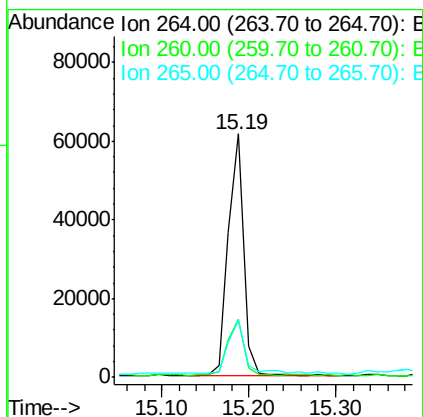
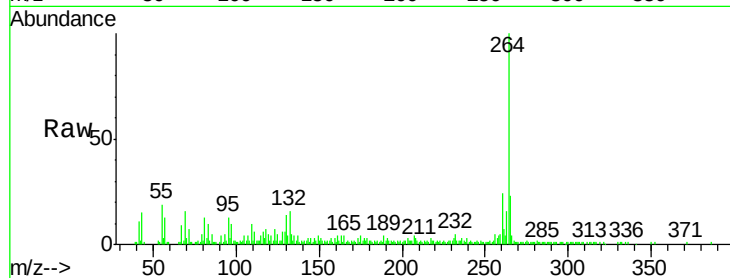




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

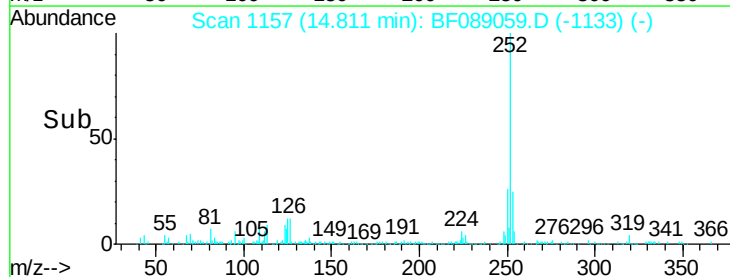
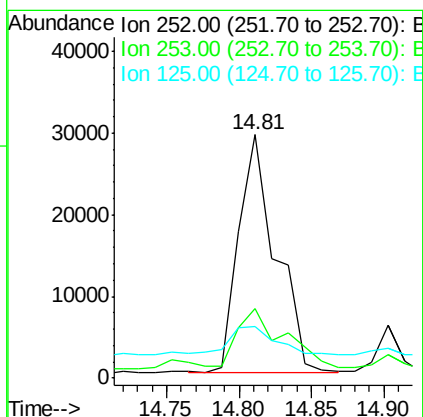
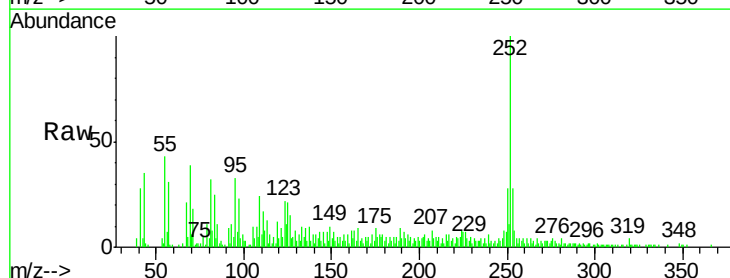
Instrument :
BNA_F
ClientSampleId :

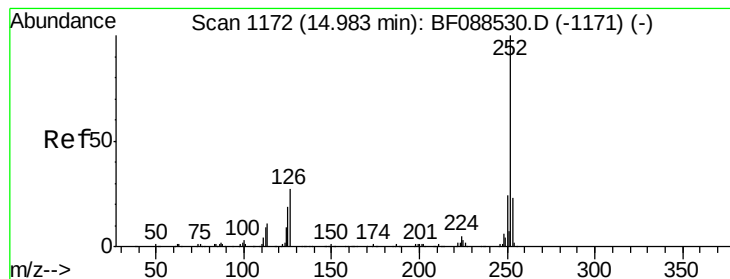
Tot Ion:264 Resp: 75496
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 23.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 10.96 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089059.D
Acq: 16 Jul 2016 17:11

Tgt Ion:252 Resp: 51883
Ion Ratio Lower Upper
252 100
253 28.4 17.4 26.2#
125 21.2 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 12.61 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.06 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

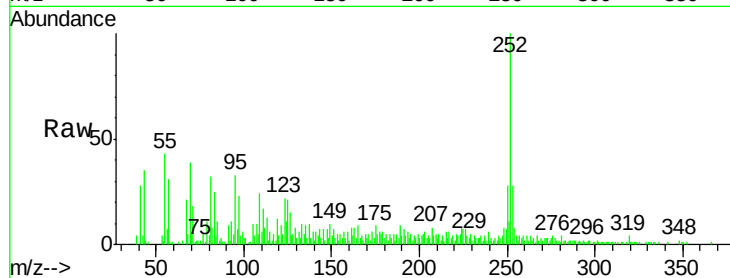
Tot Ion:252 Resp: 51989

Ion Ratio Lower Upper

252 100

253 28.4 18.0 27.0#

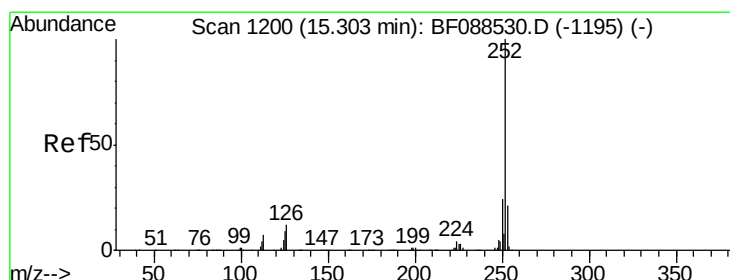
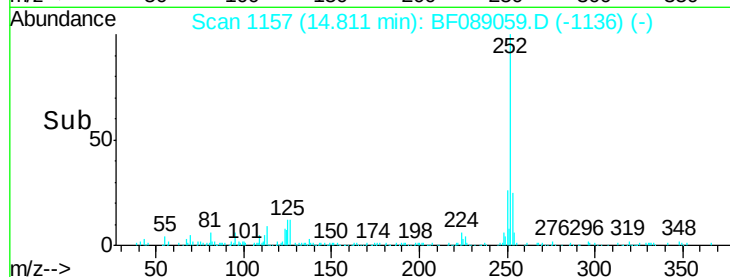
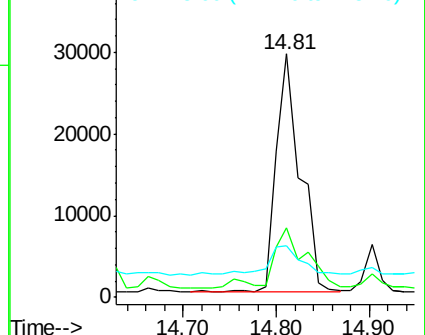
125 21.2 11.2 16.8#



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: 6.23 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

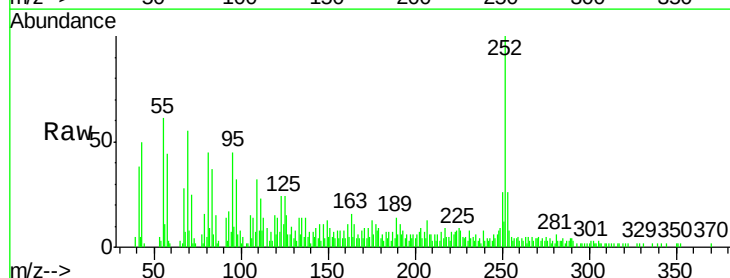
Tgt Ion:252 Resp: 24993

Ion Ratio Lower Upper

252 100

253 26.1 17.9 26.9

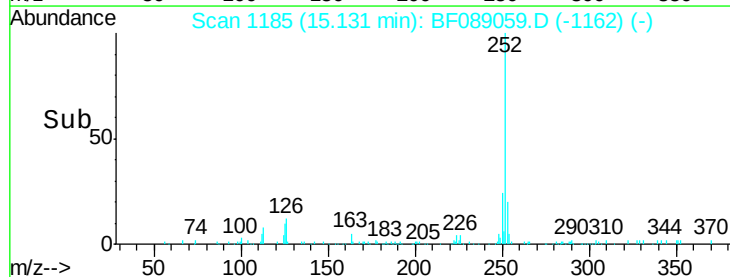
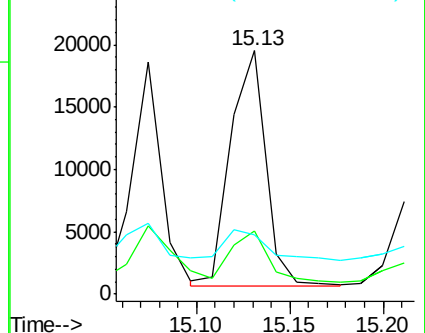
125 24.1 12.5 18.7#

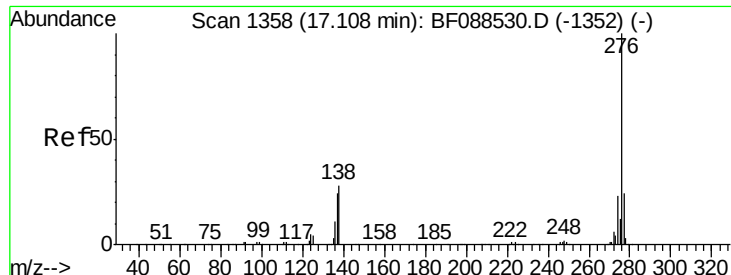


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.97 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF089059.D

Acq: 16 Jul 2016 17:11

Instrument :

BNA_F

ClientSampleId :

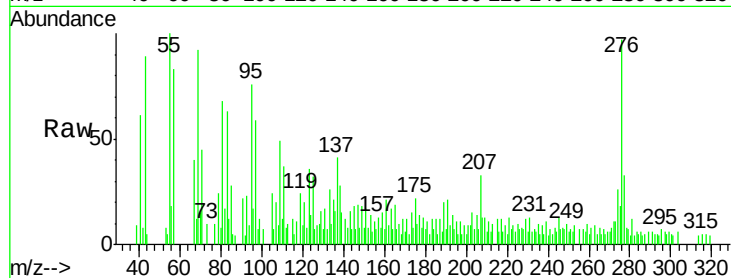
Tot Ion: 276 Resp: 13747

Ion Ratio Lower Upper

276 100

277 33.5 18.9 28.3#

138 28.9 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

