

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101816\
 Data File : BF090638.D
 Acq On : 18 Oct 2016 19:58
 Operator : UM/SJ
 Sample : H5289-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-1

Quant Time: Oct 19 01:09:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	212418	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	942149	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	423911	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	571921	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	613842	20.00	ng	0.00
86) Perylene-d12	15.56	264	443996	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	952701	82.22	ng	-0.01
7) Phenol-d6	6.54	99	1375233	79.88	ng	0.00
23) Nitrobenzene-d5	7.46	82	831983	49.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	241810	63.98	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	1230938	47.85	ng	-0.01
78) Terphenyl-d14	13.02	244	971334	36.84	ng	-0.01

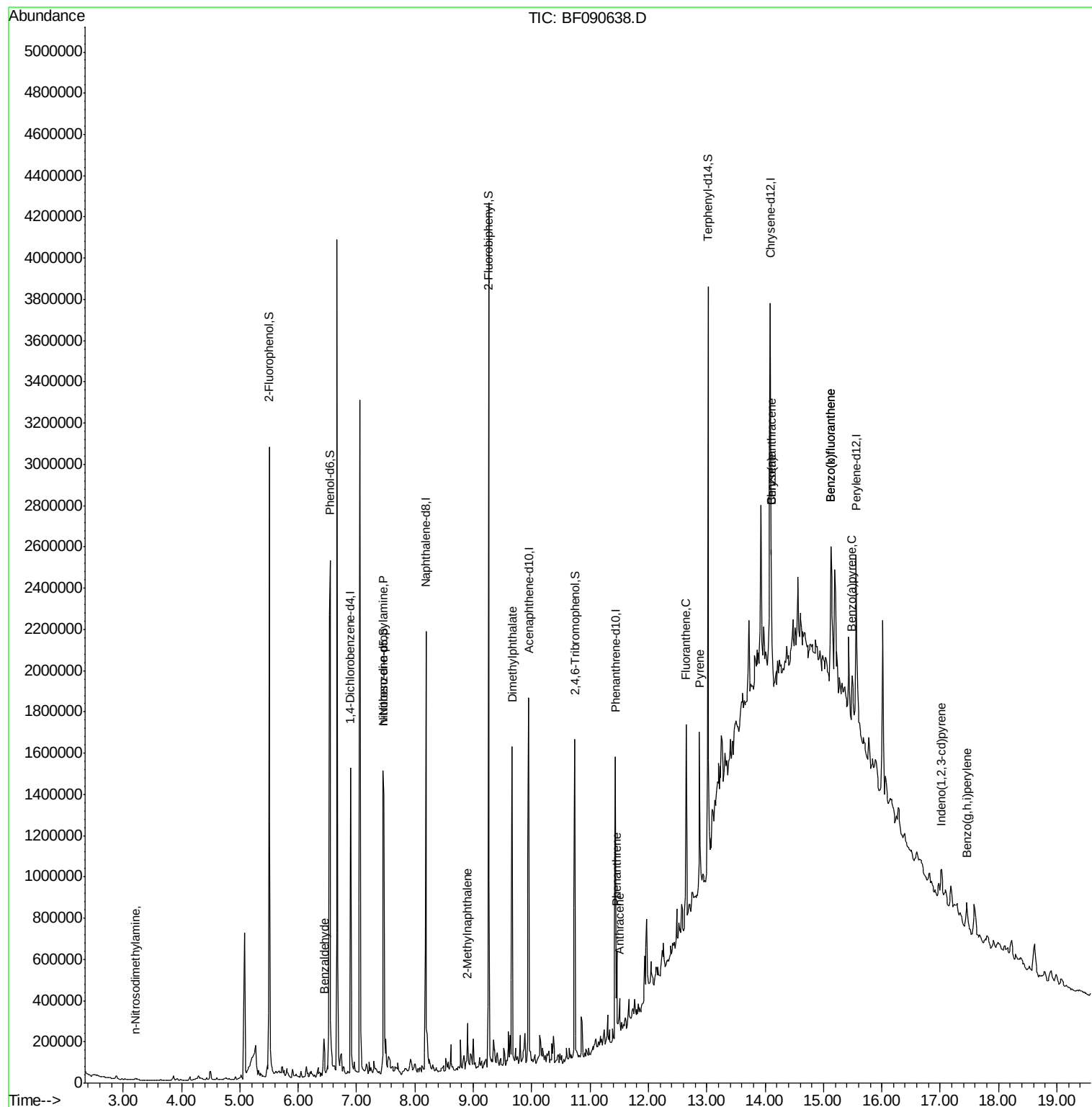
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.21	42	318	7.22	ng	# 1
9) Benzaldehyde	6.44	77	62243	5.69	ng	89
19) n-Nitroso-di-n-propylamine	7.46	70	99302	8.41	ng	# 83
37) 2-Methylnaphthalene	8.90	142	58519	2.08	ng	99
49) Dimethylphthalate	9.66	163	564831	20.54	ng	99
70) Phenanthrene	11.46	178	157670	5.16	ng	98
71) Anthracene	11.50	178	81369	2.48	ng	99
74) Fluoranthene	12.65	202	407183	13.26	ng	97
77) Pyrene	12.87	202	354238	8.71	ng	98
80) Benzo(a)anthracene	14.11	228	529582	15.16	ng	94
82) Chrysene	14.11	228	529582	15.73	ng	96
85) Indeno(1,2,3-cd)pyrene	17.01	276	101661	5.22	ng	# 90
87) Benzo(b)fluoranthene	15.13	252	555165	19.11	ng	96
88) Benzo(k)fluoranthene	15.13	252	555165	17.76	ng	# 94
89) Benzo(a)pyrene	15.49	252	131953	4.96	ng	# 88
91) Benzo(g,h,i)perylene	17.46	276	90339	4.67	ng	96

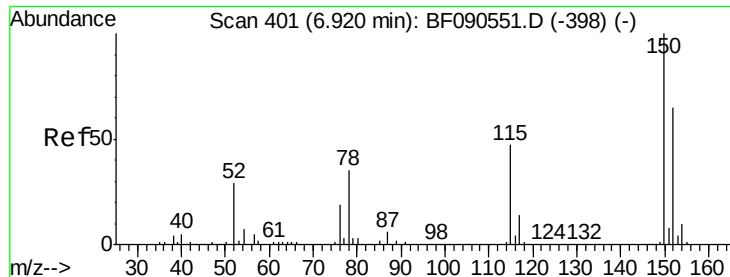
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101816\
Data File : BF090638.D
Acq On : 18 Oct 2016 19:58
Operator : UM/SJ
Sample : H5289-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-1

Quant Time: Oct 19 01:09:39 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampled :

SP-1-1

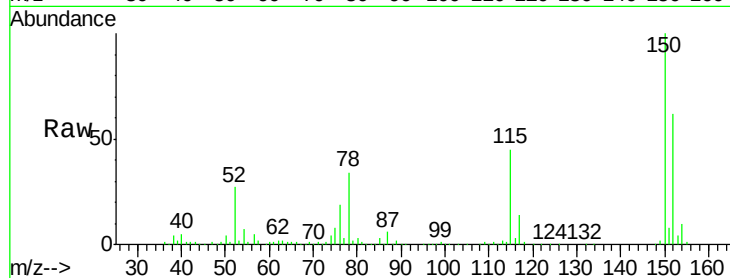
Tgt Ion:152 Resp: 212418

Ion Ratio Lower Upper

152 100

150 160.1 127.2 190.8

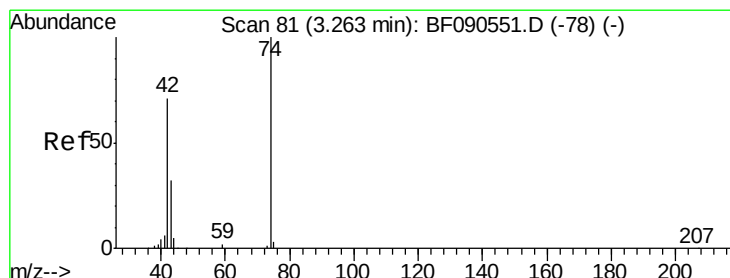
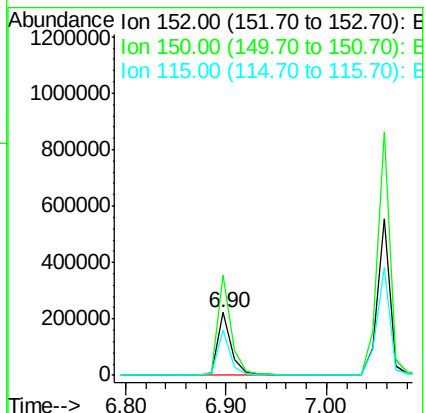
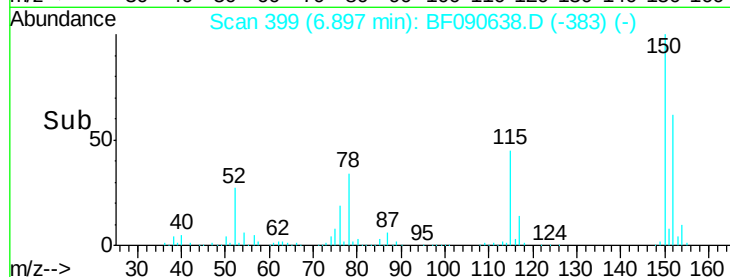
115 72.7 58.6 88.0



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



#4

n-Nitrosodimethylamine

Concen: 7.22 ng

RT: 3.21 min Scan# 76

Delta R.T. -0.02 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

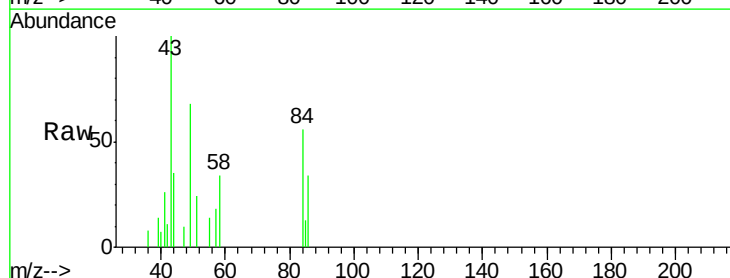
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

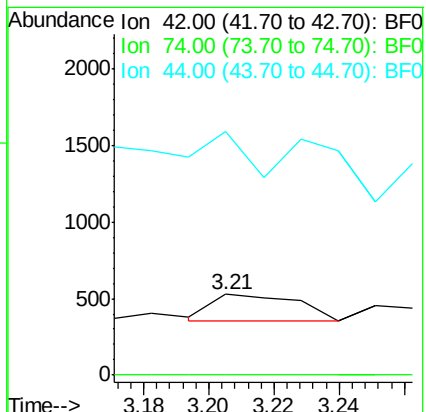
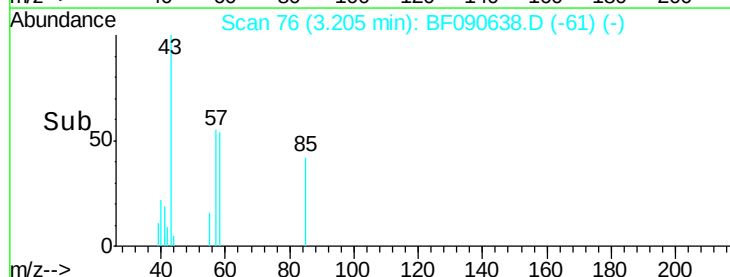
44 302.7 6.0 9.0#

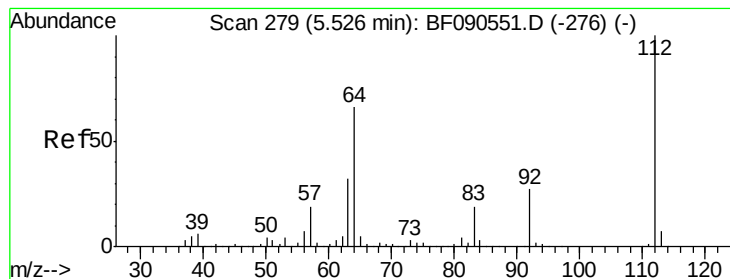


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 82.22 ng

RT: 5.50 min Scan# 277

Delta R.T. -0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

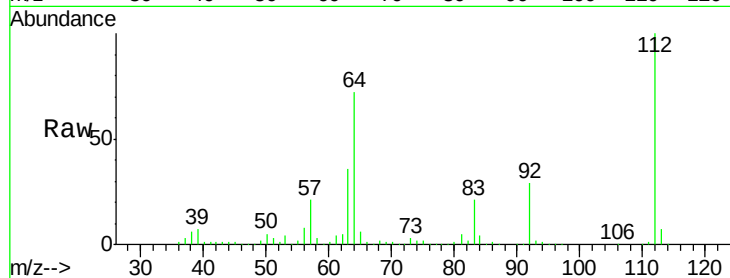
Tgt Ion: 112 Resp: 952701

Ion Ratio Lower Upper

112 100

64 72.5 52.6 78.8

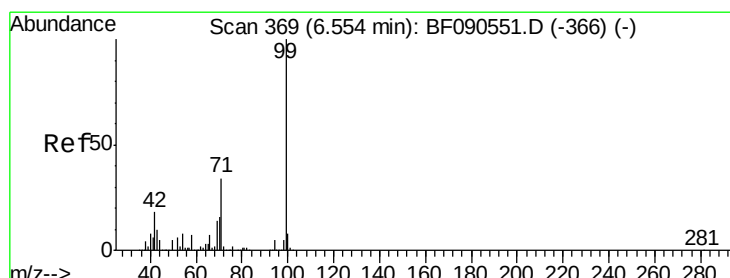
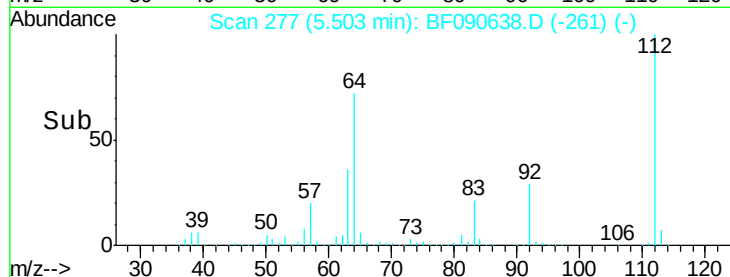
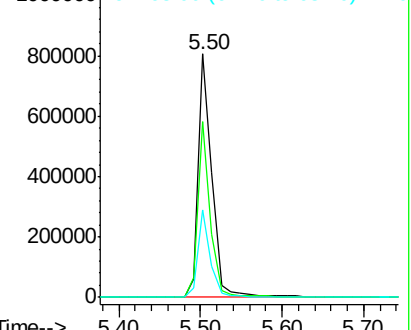
63 35.7 26.0 39.0



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: 79.88 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

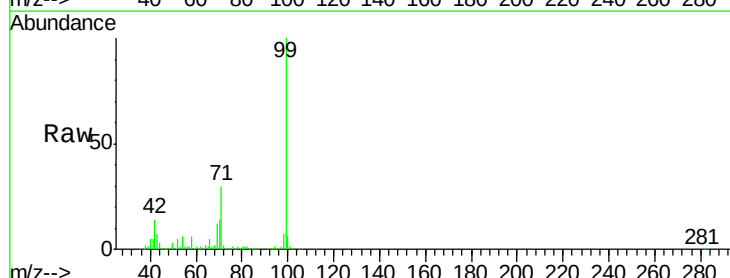
Tgt Ion: 99 Resp: 1375233

Ion Ratio Lower Upper

99 100

42 13.6 14.7 22.1#

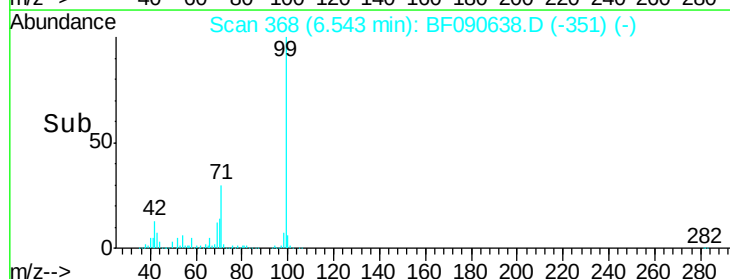
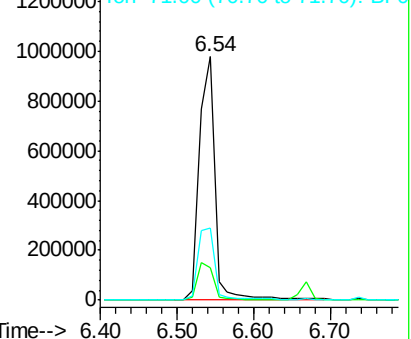
71 29.8 27.6 41.4

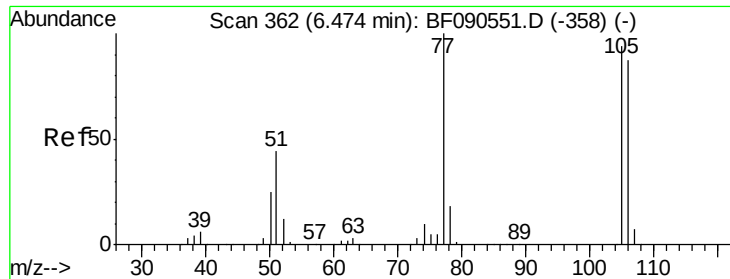


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.69 ng

RT: 6.44 min Scan# 359

Delta R.T. -0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampled :

SP-1-1

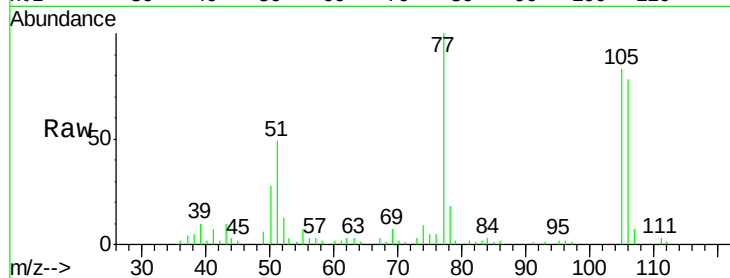
Tgt Ion: 77 Resp: 62243

Ion Ratio Lower Upper

77 100

105 83.4 74.3 114.3

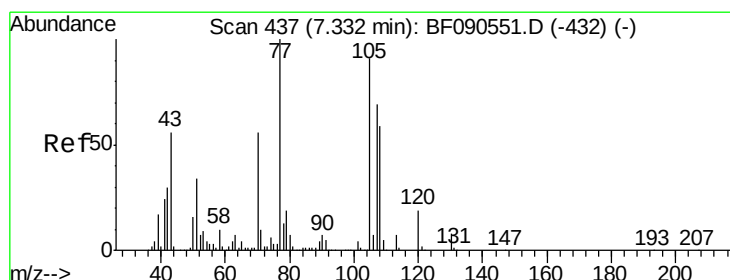
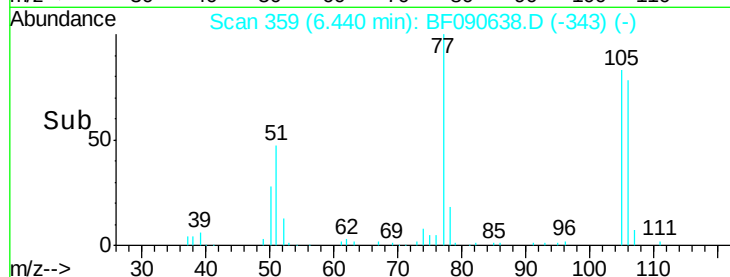
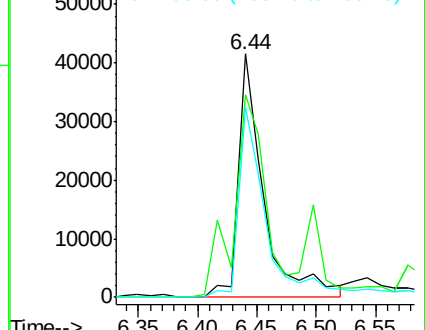
106 77.9 67.2 107.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 8.41 ng

RT: 7.46 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Tgt Ion: 70 Resp: 99302

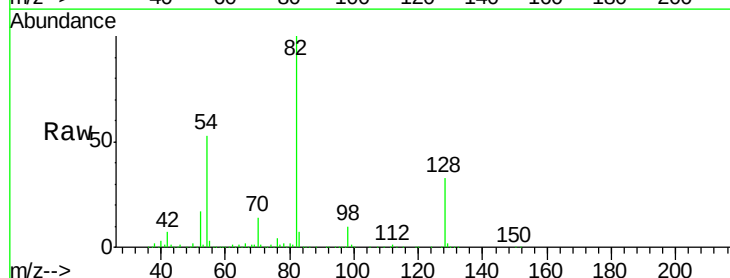
Ion Ratio Lower Upper

70 100

42 45.2 43.4 65.0

101 0.0 6.4 9.6#

130 1.7 12.1 18.1#

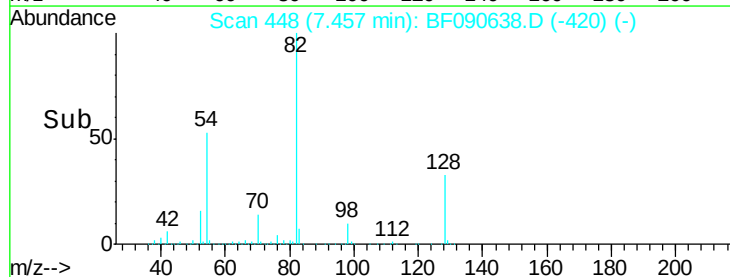
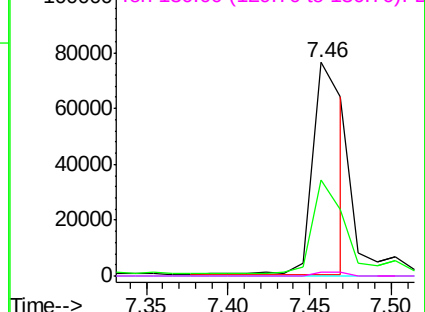


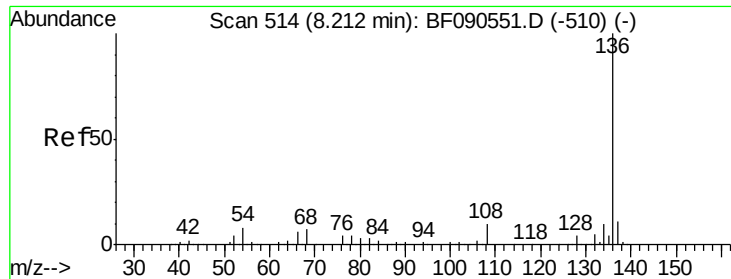
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

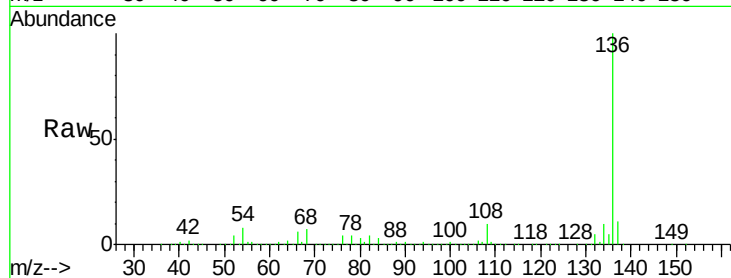




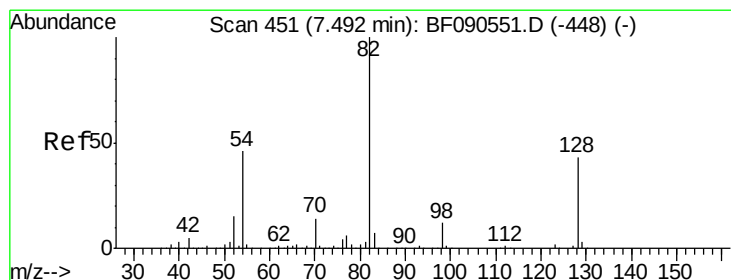
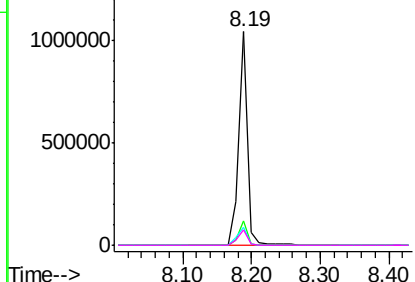
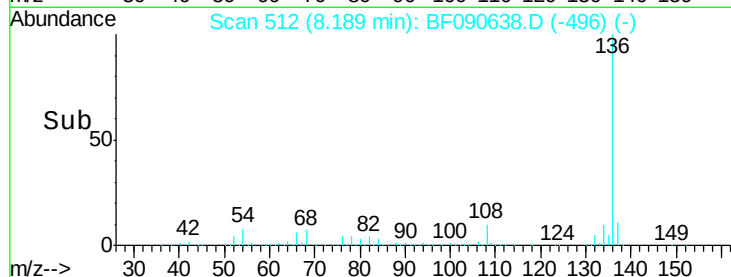
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

Instrument :
BNA_F
ClientSampleId :
SP-1-1

Tgt Ion:	136	Resp:	942149
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.4	6.8	10.2
68	7.3	6.0	9.0

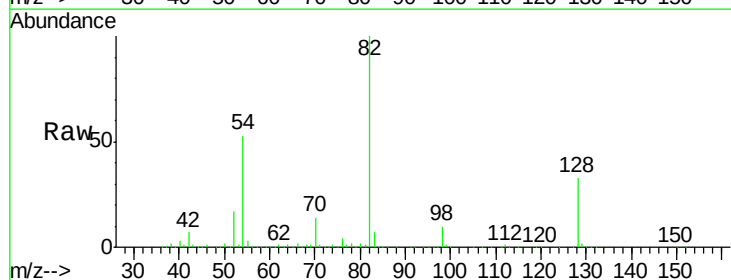


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

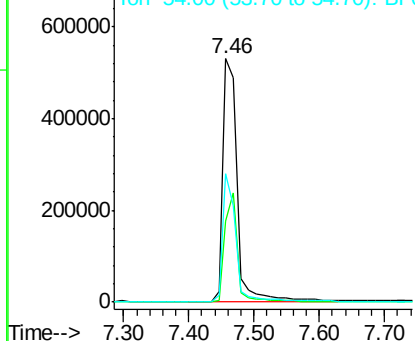
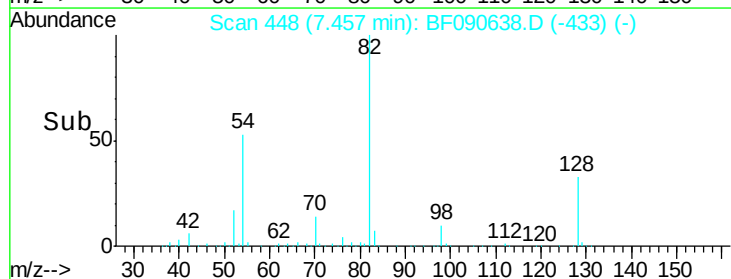


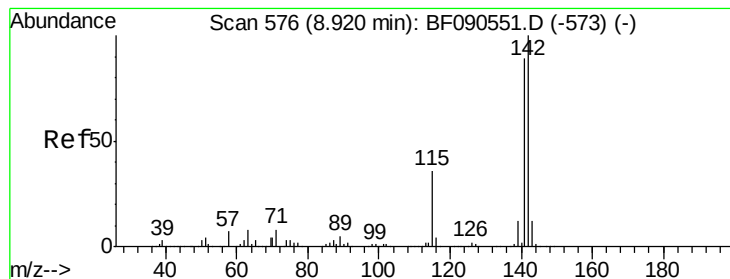
#23
Nitrobenzene-d5
Concen: 49.05 ng
RT: 7.46 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

Tgt Ion:	82	Resp:	831983
Ion	Ratio	Lower	Upper
82	100		
128	33.4	34.3	51.5#
54	52.8	37.0	55.6



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

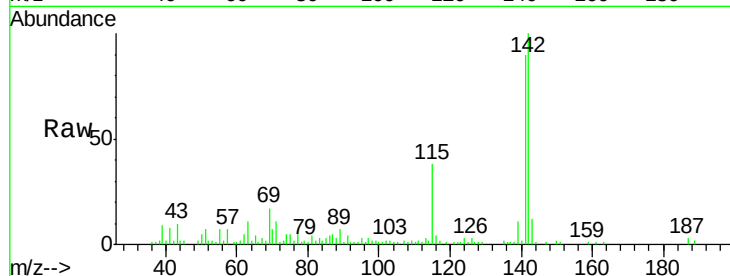




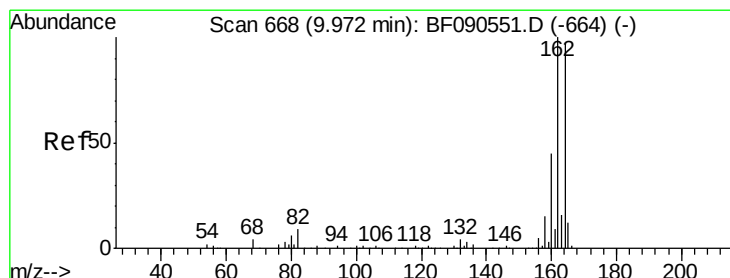
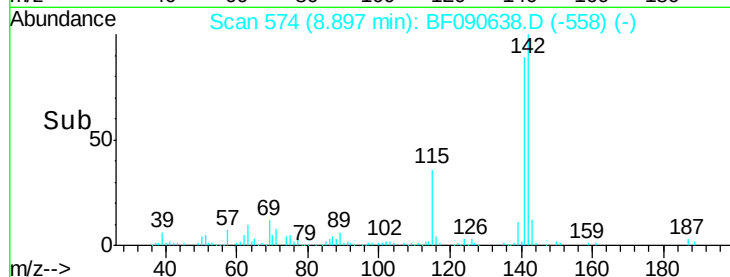
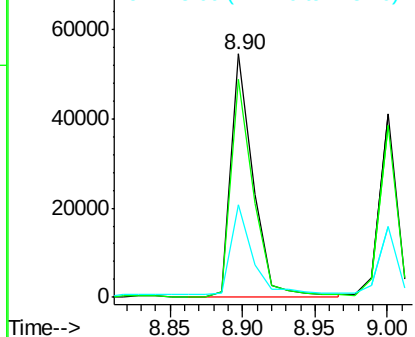
#37
 2-Methylnaphthalene
 Concen: 2.08 ng
 RT: 8.90 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-1

Tgt Ion:142 Resp: 58519
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.3 106.9
 115 37.8 28.8 43.2

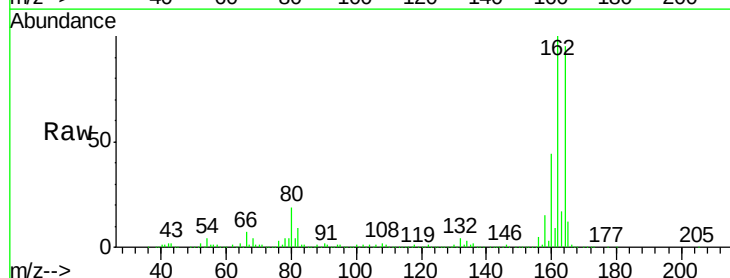


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

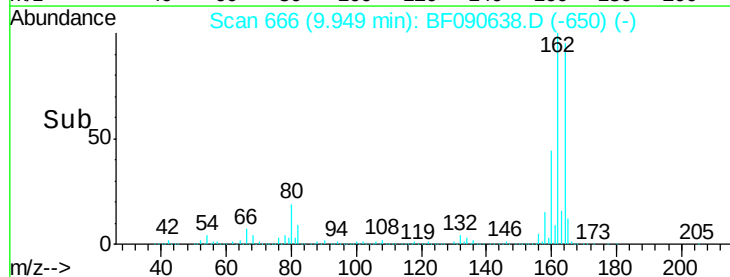
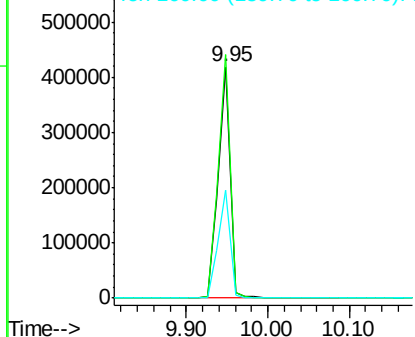


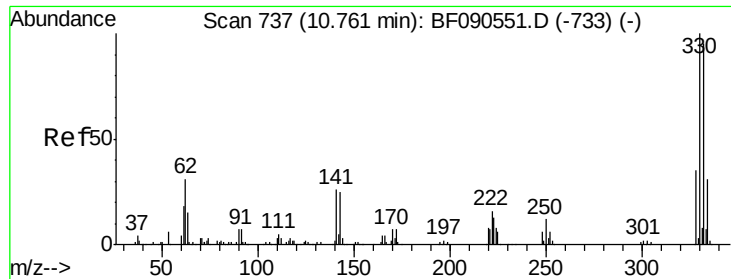
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

Tgt Ion:164 Resp: 423911
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.2 123.4
 160 46.6 36.6 55.0



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

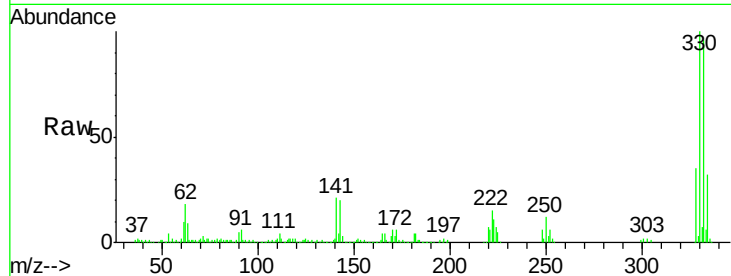




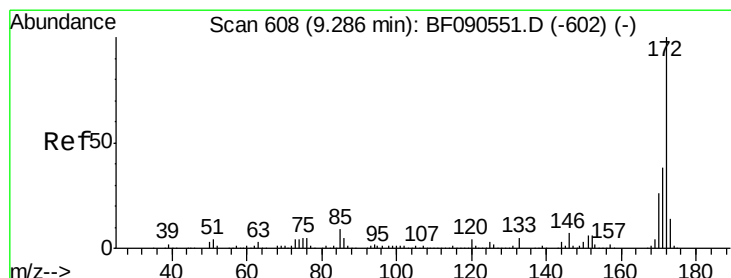
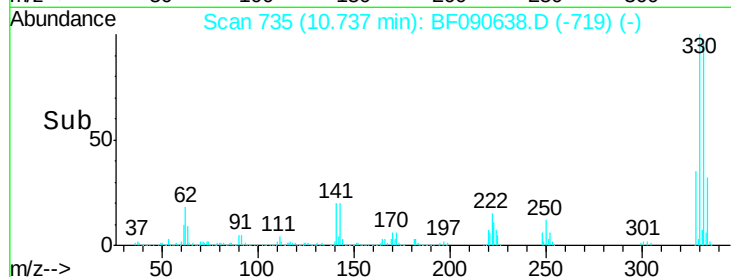
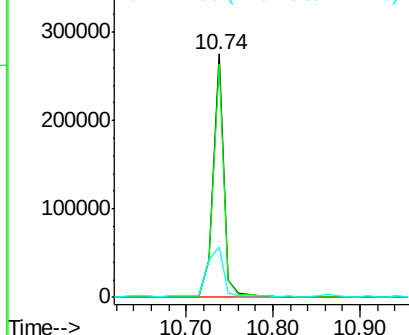
#41
 2,4,6-Tribromophenol
 Concen: 63.98 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-1

Tgt Ion:330 Resp: 241810
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.2 114.2
 141 31.4 31.4 47.2#

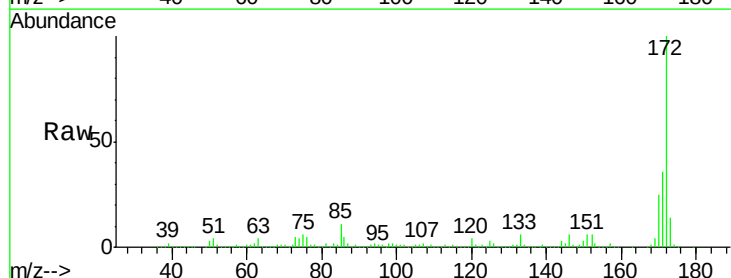


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

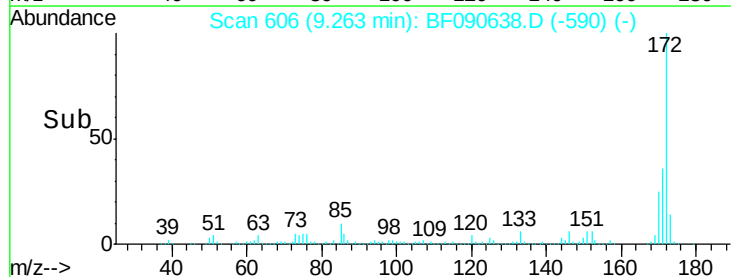
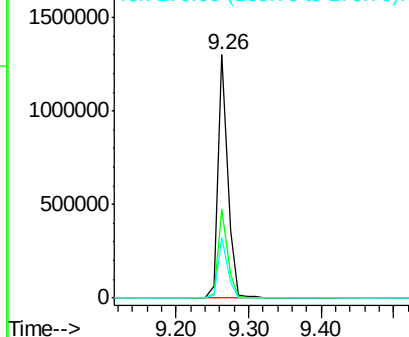


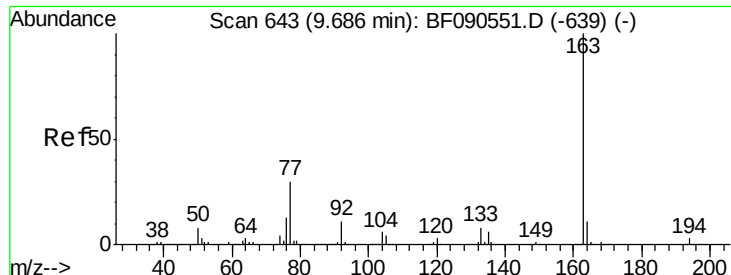
#44
 2-Fluorobiphenyl
 Concen: 47.85 ng
 RT: 9.26 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

Tgt Ion:172 Resp: 1230938
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.1 45.1
 170 24.9 20.6 30.8



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

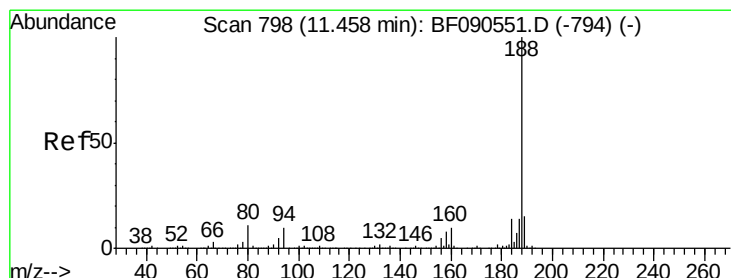
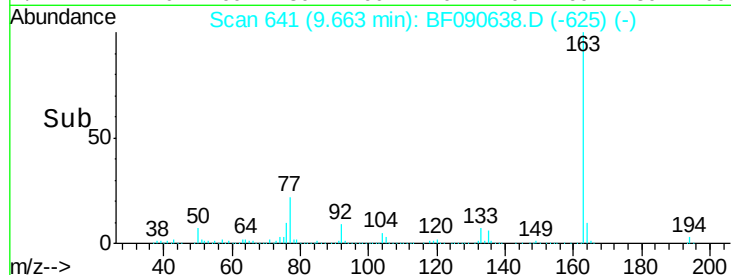
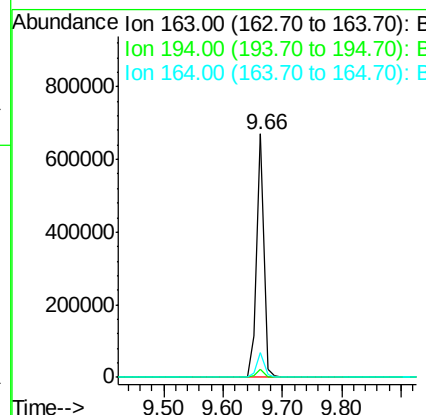
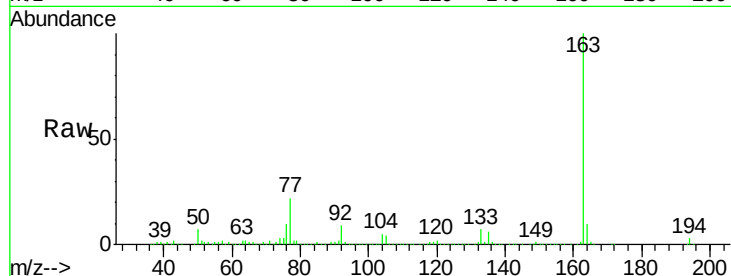




#49
Dimethylphthalate
Concen: 20.54 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

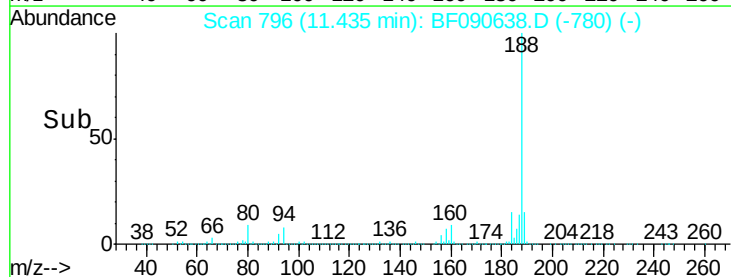
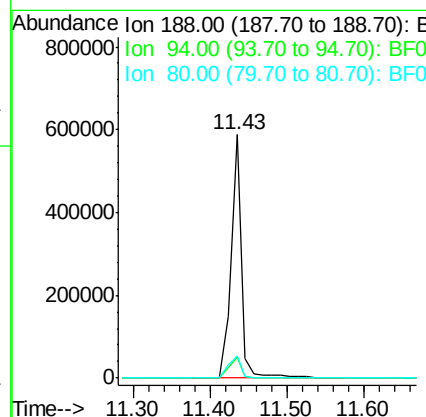
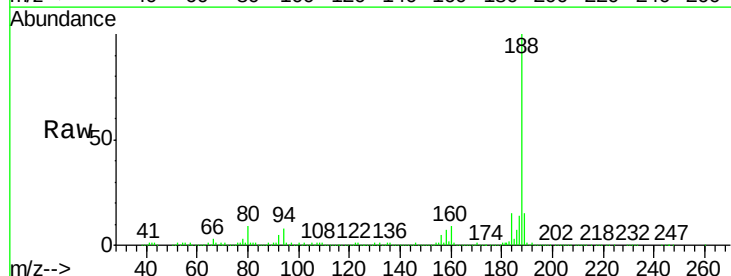
Instrument :
BNA_F
ClientSampleId :
SP-1-1

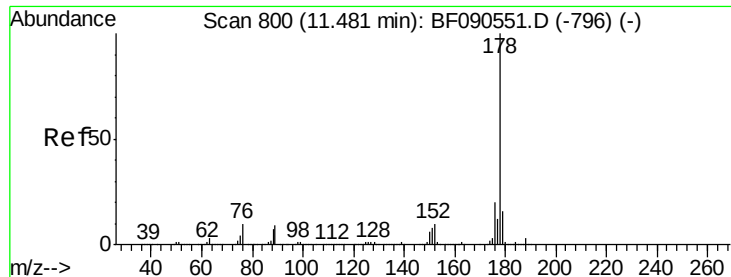
Tgt Ion:163 Resp: 564831
Ion Ratio Lower Upper
163 100
194 3.4 2.3 3.5
164 10.2 8.6 13.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

Tgt Ion:188 Resp: 571921
Ion Ratio Lower Upper
188 100
94 8.5 7.7 11.5
80 8.9 8.6 12.8

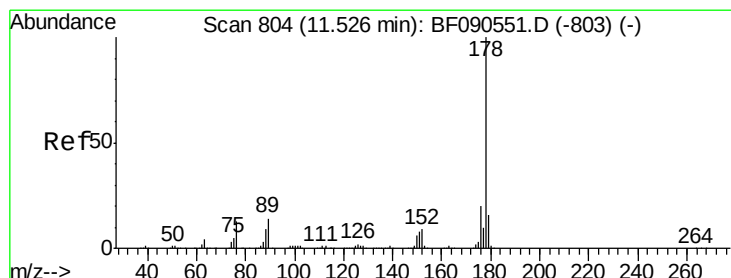
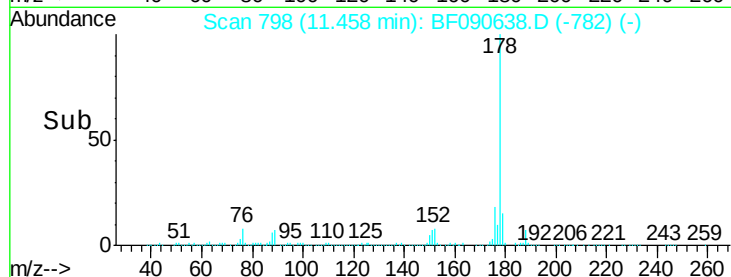
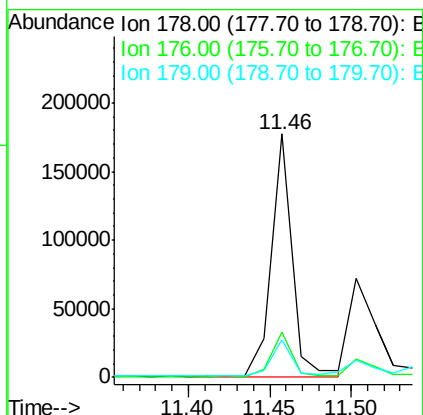
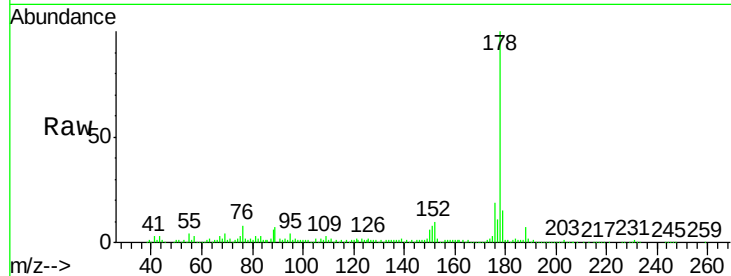




#70
Phenanthrene
Concen: 5.16 ng
RT: 11.46 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

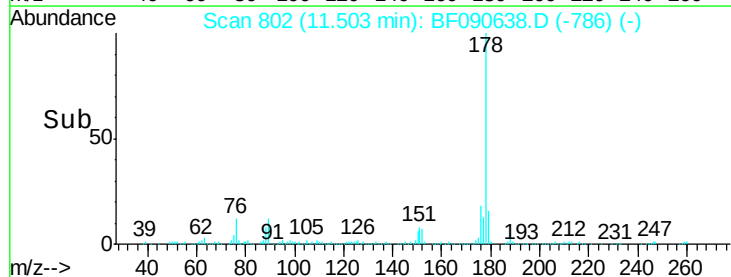
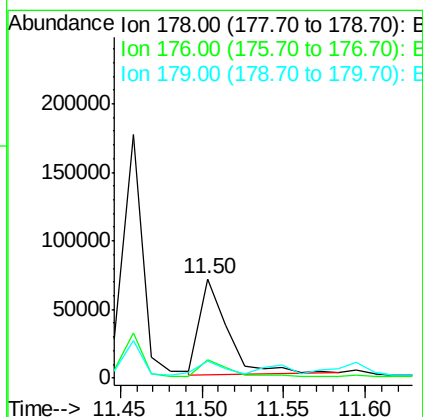
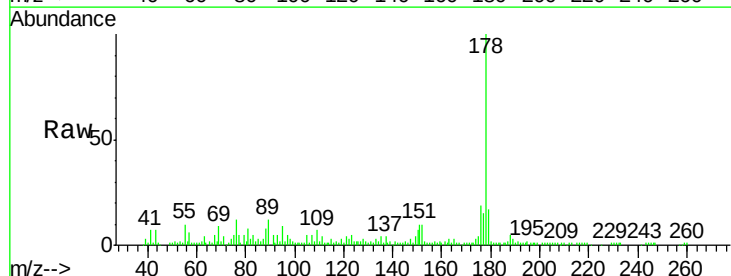
Instrument :
BNA_F
ClientSampleId :
SP-1-1

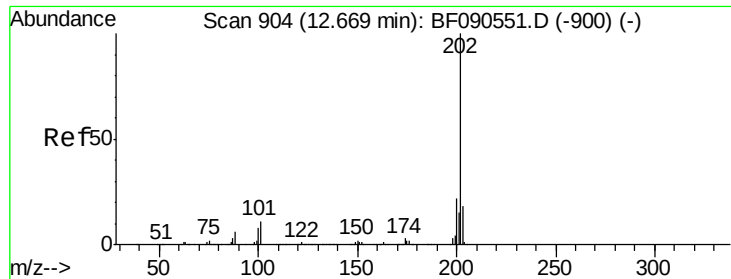
Tgt Ion:178 Resp: 157670
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 15.2 12.6 19.0



#71
Anthracene
Concen: 2.48 ng
RT: 11.50 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090638.D
Acq: 18 Oct 2016 19:58

Tgt Ion:178 Resp: 81369
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 16.8 13.0 19.4





#74

Fluoranthene

Concen: 13.26 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

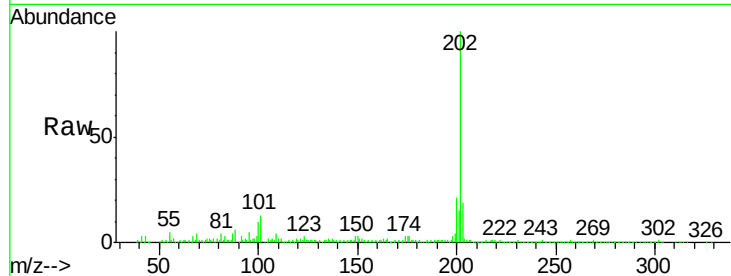
Tgt Ion:202 Resp: 407183

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.1

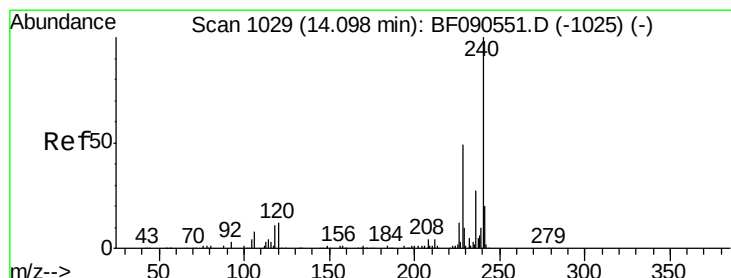
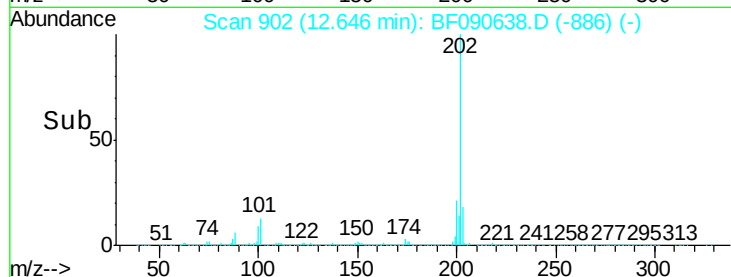
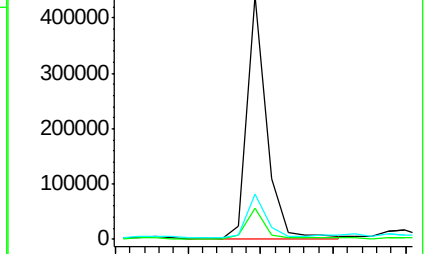
203 18.6 0.0 38.0



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: 14.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

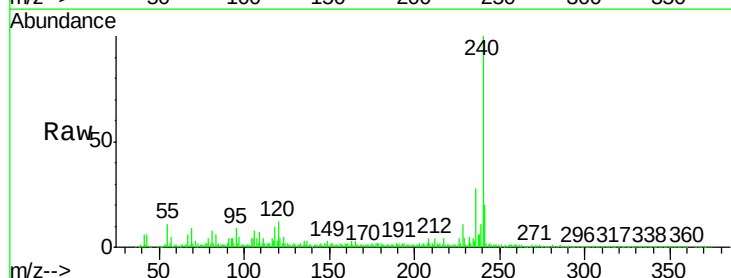
Tgt Ion:240 Resp: 613842

Ion Ratio Lower Upper

240 100

120 12.0 9.8 14.8

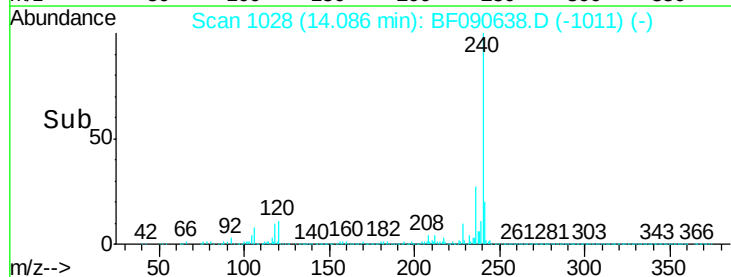
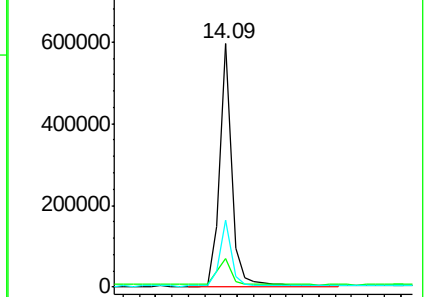
236 27.5 21.7 32.5

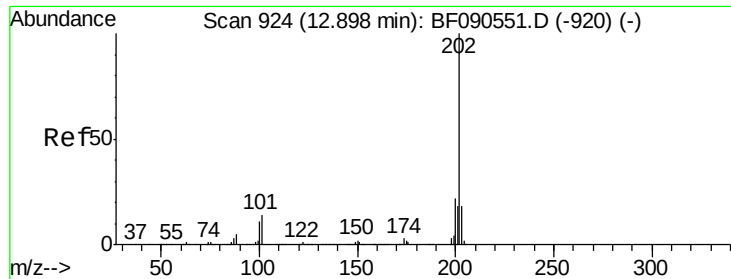


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

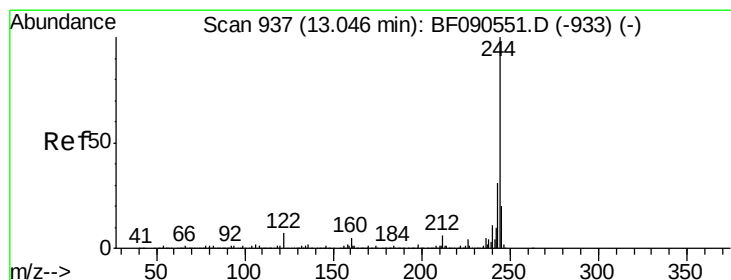
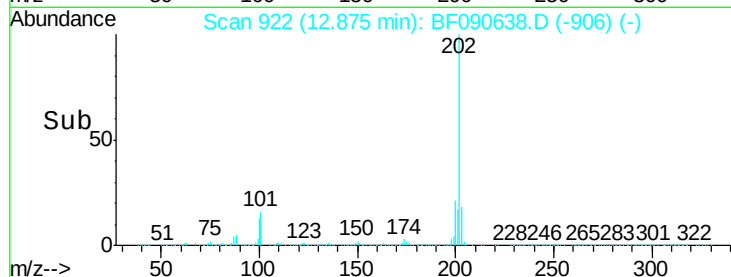
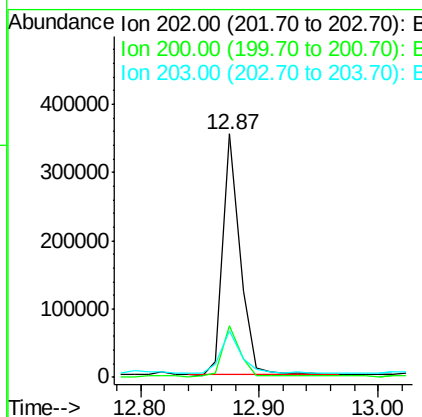
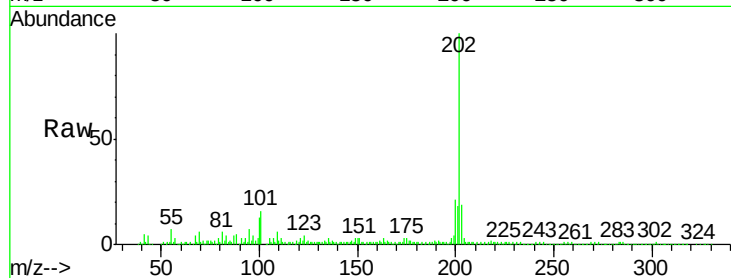




#77
 Pyrene
 Concen: 8.71 ng
 RT: 12.87 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

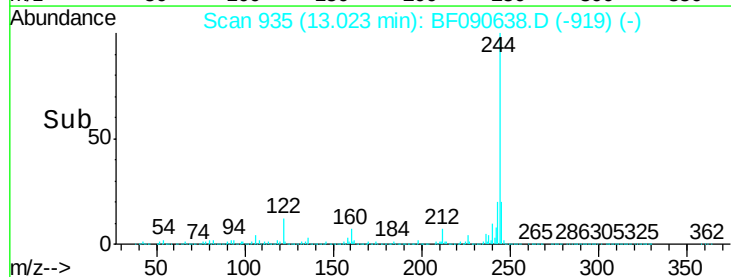
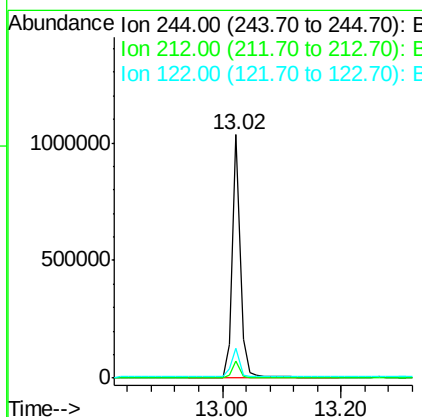
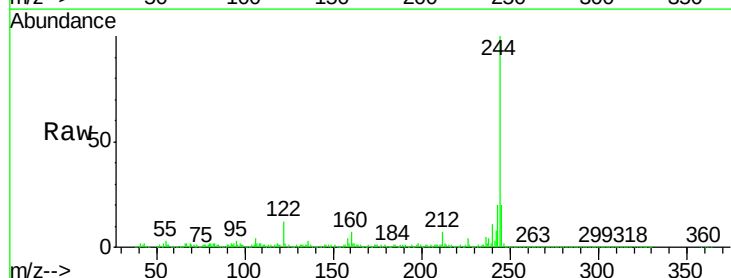
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-1

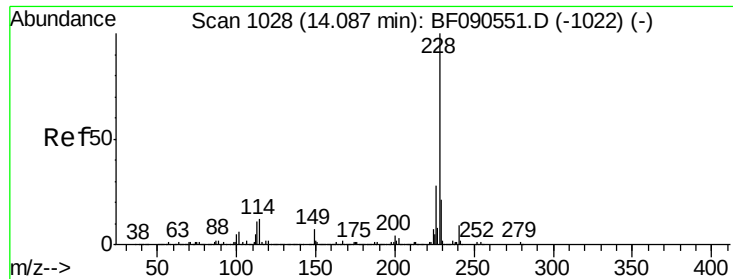
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	19.3	14.6	21.8



#78
 Terphenyl-d14
 Concen: 36.84 ng
 RT: 13.02 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: BF090638.D
 Acq: 18 Oct 2016 19:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	12.1	5.6	8.4#





#80

Benzo(a)anthracene

Concen: 15.16 ng

RT: 14.11 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

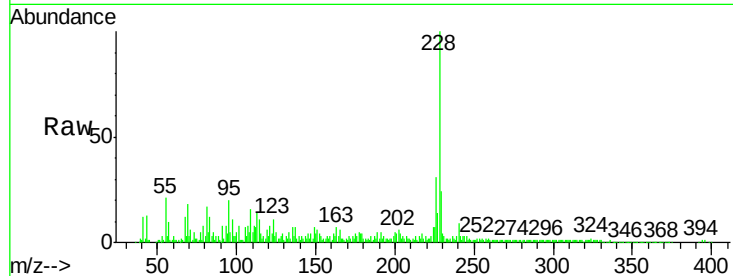
Tgt Ion:228 Resp: 529582

Ion Ratio Lower Upper

228 100

226 30.9 22.8 34.2

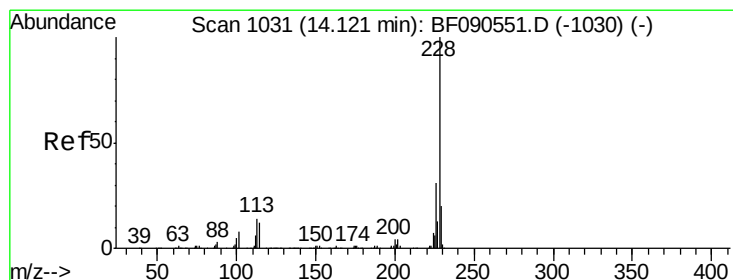
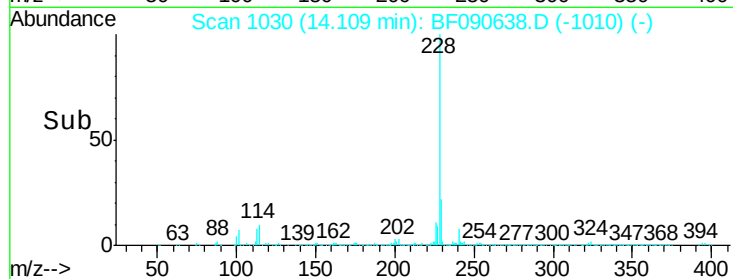
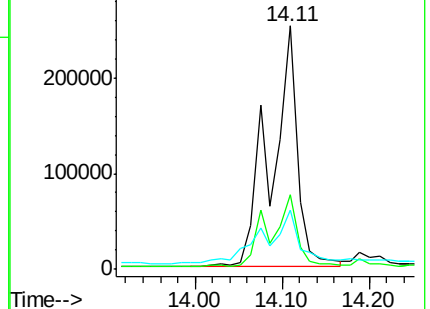
229 24.3 16.6 25.0



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: 15.73 ng

RT: 14.11 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

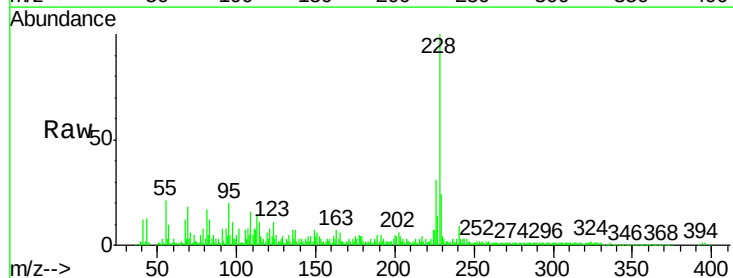
Tgt Ion:228 Resp: 529582

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

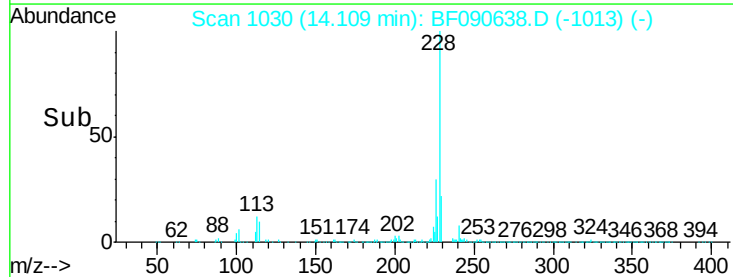
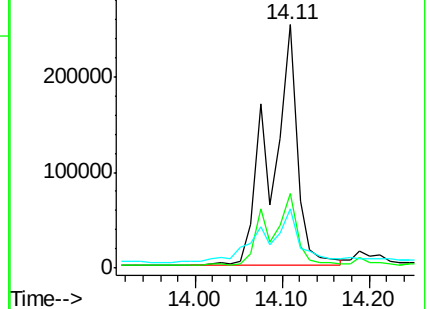
229 24.3 16.2 24.4

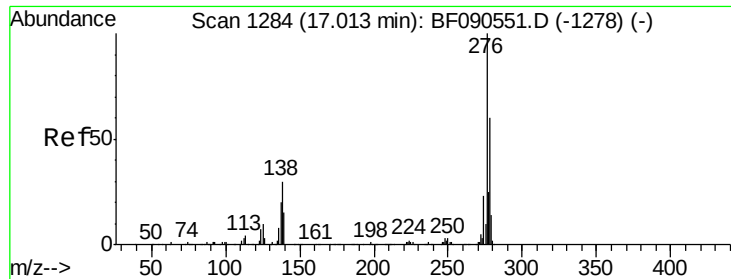


Abundance Ion 228.00 (227.70 to 228.70): E

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: 5.22 ng

RT: 17.01 min Scan# 1284

Delta R.T. 0.02 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

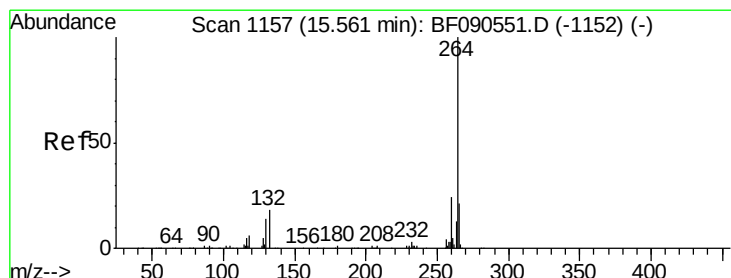
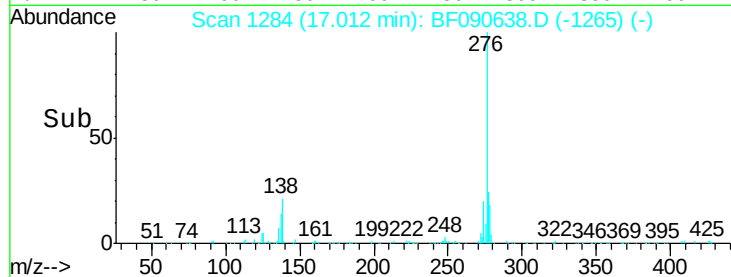
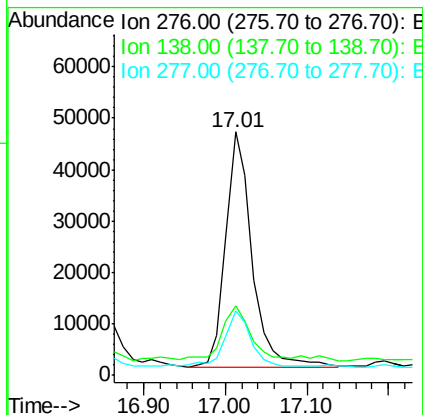
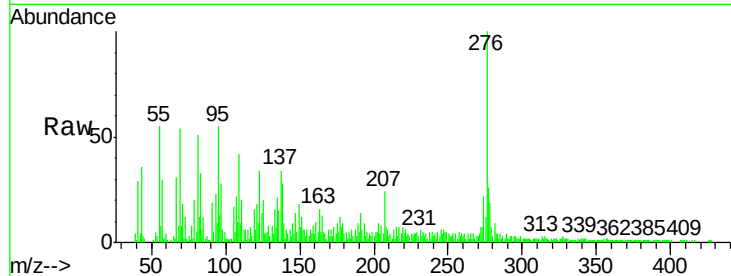
Tgt Ion:276 Resp: 101661

Ion Ratio Lower Upper

276 100

138 23.7 25.8 38.6#

277 23.7 20.1 30.1



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.56 min Scan# 1157

Delta R.T. 0.02 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

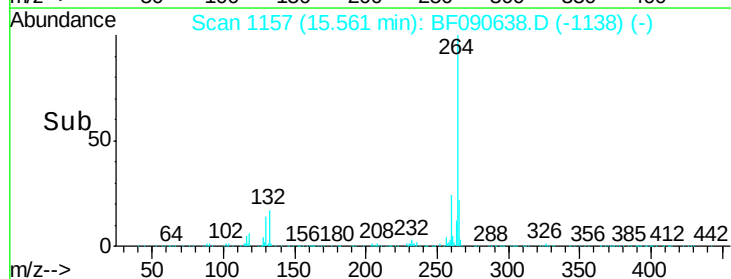
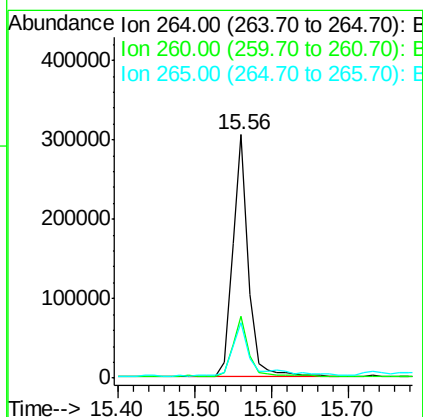
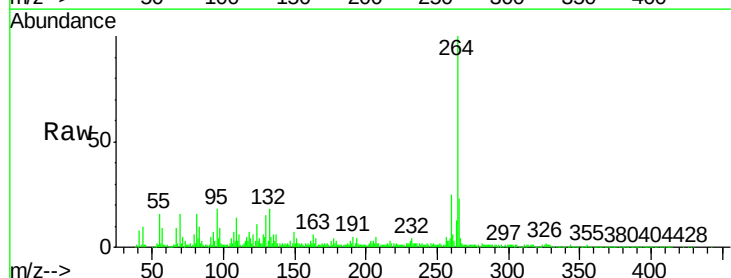
Tgt Ion:264 Resp: 443996

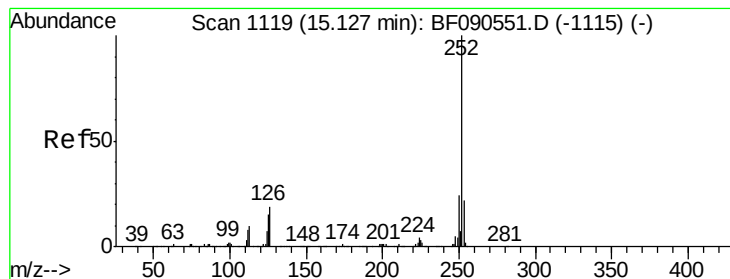
Ion Ratio Lower Upper

264 100

260 25.2 19.3 28.9

265 22.8 16.7 25.1





#87

Benzo(b)fluoranthene

Concen: 19.11 ng

RT: 15.13 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

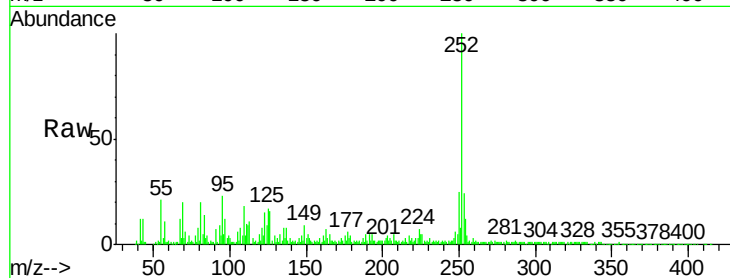
Tgt Ion:252 Resp: 555165

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

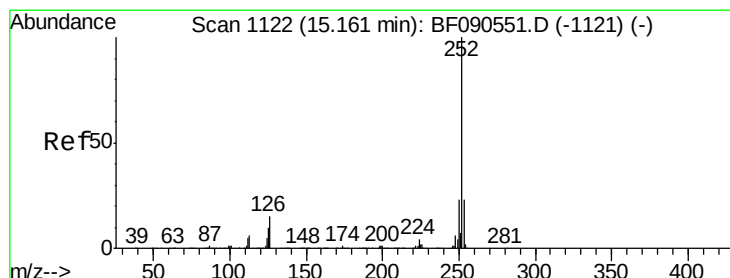
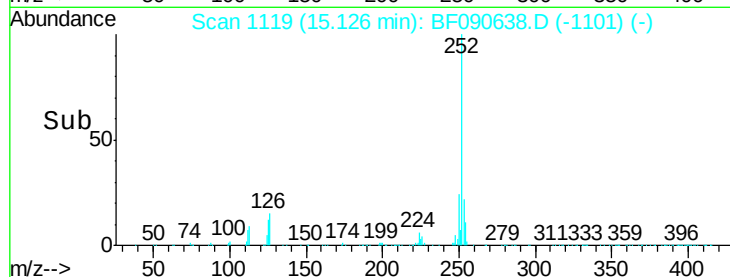
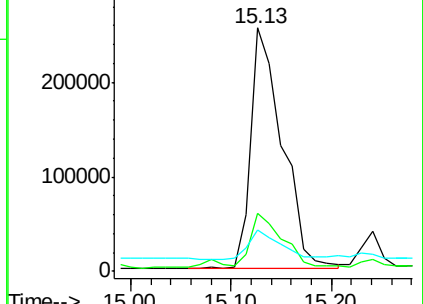
125 17.2 12.0 18.0



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: 17.76 ng

RT: 15.13 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

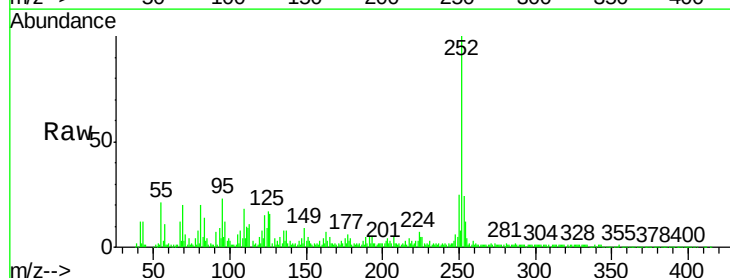
Tgt Ion:252 Resp: 555165

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

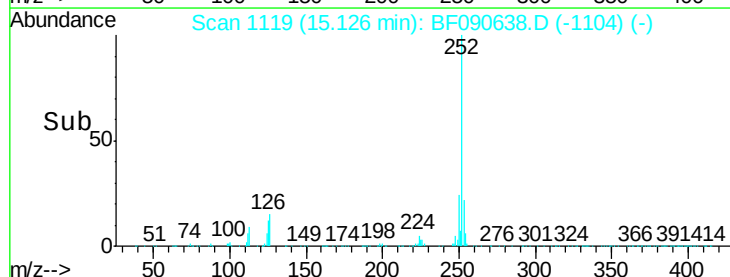
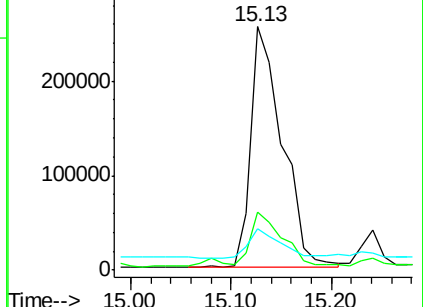
125 17.2 10.0 15.0#

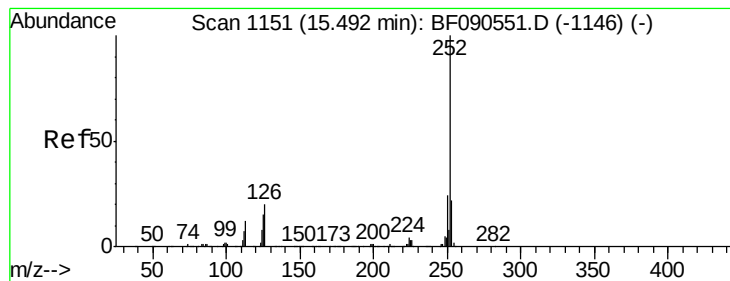


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.96 ng

RT: 15.49 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

Instrument :

BNA_F

ClientSampleId :

SP-1-1

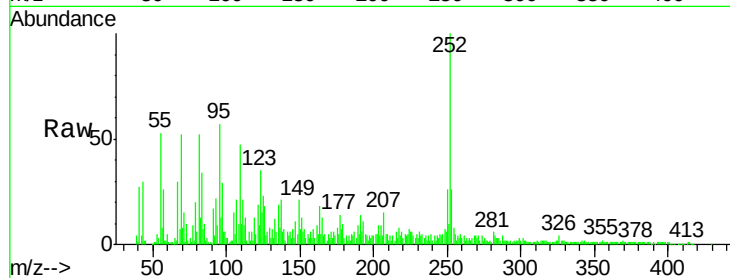
Tgt Ion: 252 Resp: 131953

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

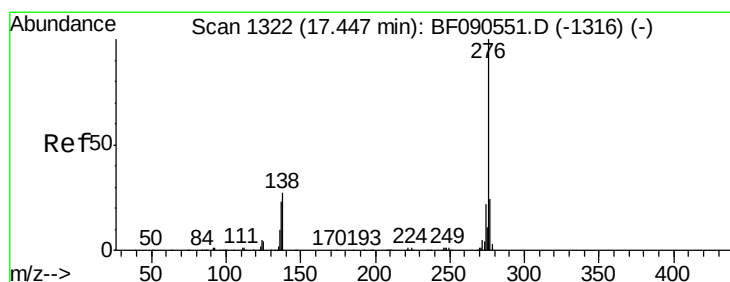
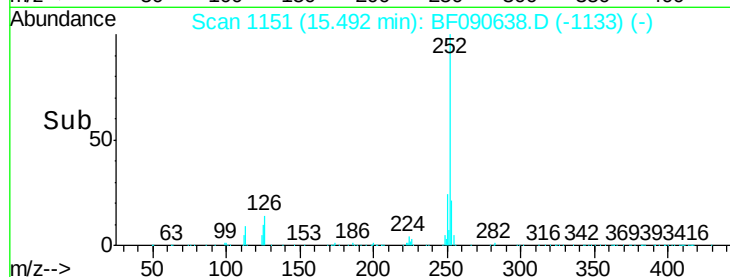
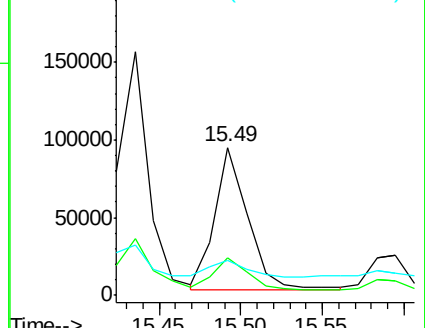
125 23.5 12.3 18.5#



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



#91

Benzo(g,h,i)perylene

Concen: 4.67 ng

RT: 17.46 min Scan# 1323

Delta R.T. 0.03 min

Lab File: BF090638.D

Acq: 18 Oct 2016 19:58

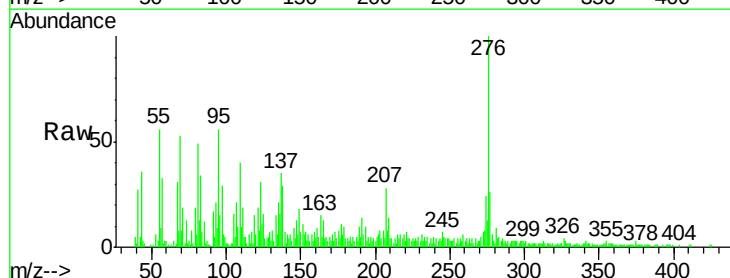
Tgt Ion: 276 Resp: 90339

Ion Ratio Lower Upper

276 100

277 26.5 18.8 28.2

138 28.7 21.8 32.8



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

