

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100616\
 Data File : BF090428.D
 Acq On : 6 Oct 2016 19:53
 Operator : UM/SJ
 Sample : H5110-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-MATERIALS-DGA

Quant Time: Oct 07 00:09:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

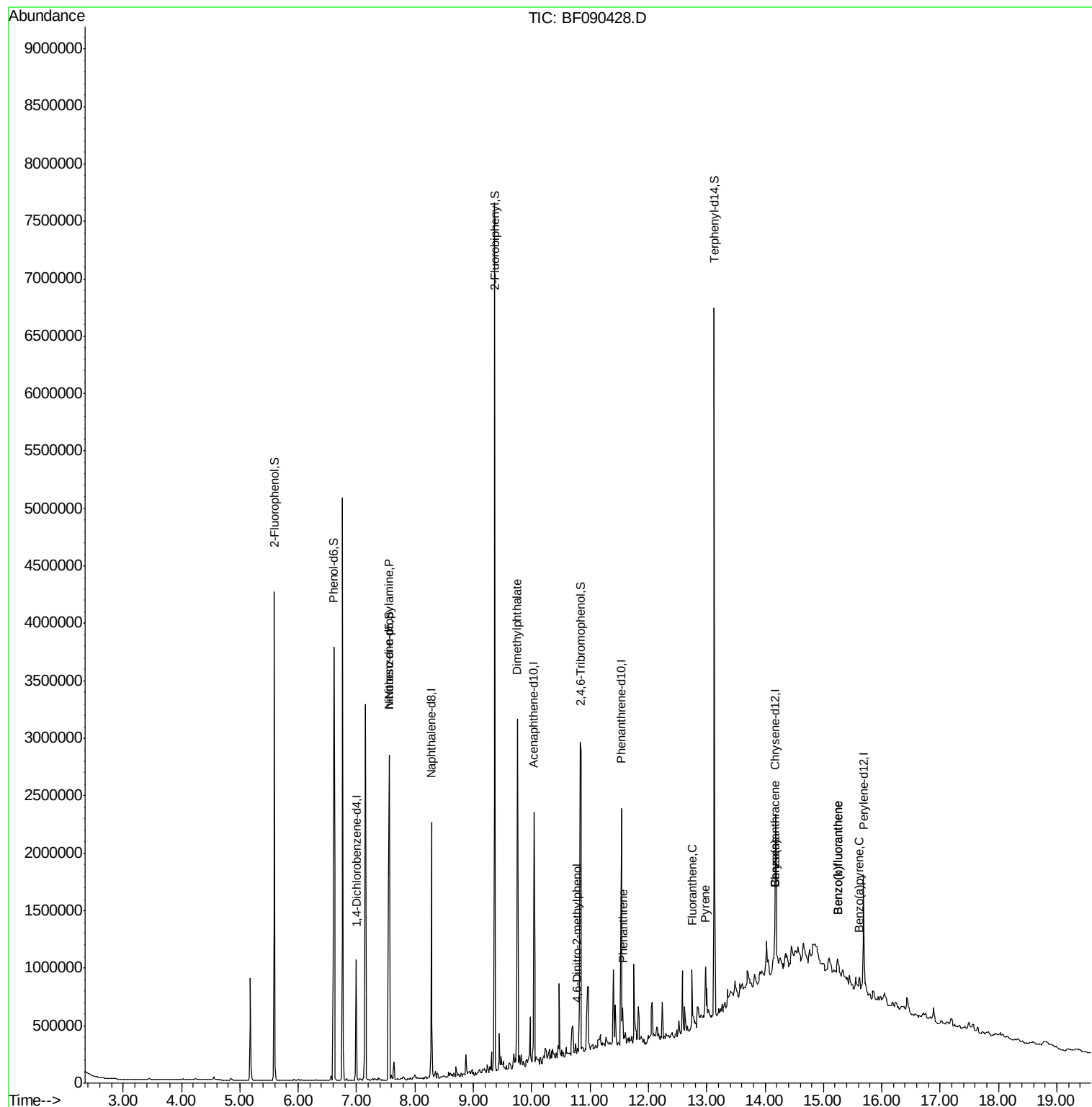
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	217965	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	925482	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	471253	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	806328	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	480851	20.00	ng	-0.02
86) Perylene-d12	15.69	264	431557	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1089609	74.61	ng	-0.01
7) Phenol-d6	6.61	99	1711769	89.49	ng	-0.01
23) Nitrobenzene-d5	7.56	82	1194365	62.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	546201	142.54	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2229992	78.84	ng	-0.01
78) Terphenyl-d14	13.13	244	1800937	84.20	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	164044	11.70	ng	# 60
49) Dimethylphthalate	9.75	163	1014540	33.62	ng	100
64) 4,6-Dinitro-2-methylphenol	10.78	198	237	5.47	ng	# 1
70) Phenanthrene	11.56	178	131031	3.17	ng	95
74) Fluoranthene	12.75	202	166748	4.12	ng	97
77) Pyrene	12.98	202	152497	4.76	ng	98
80) Benzo(a)anthracene	14.17	228	67785	2.51	ng	95
82) Chrysene	14.17	228	67785	2.73	ng	93
87) Benzo(b)fluoranthene	15.24	252	86685	3.15	ng	# 72
88) Benzo(k)fluoranthene	15.24	252	86685	3.36	ng	# 73
89) Benzo(a)pyrene	15.62	252	47581	2.01	ng	# 76

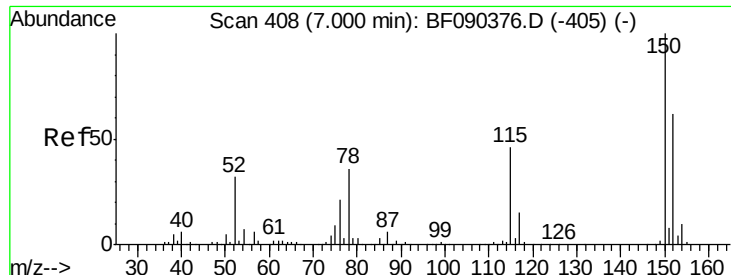
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 00:09:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

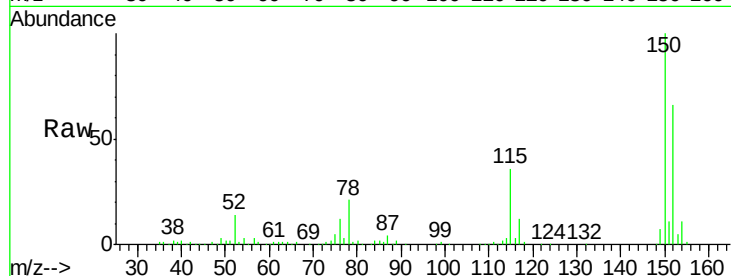
Tgt Ion:152 Resp: 217965

Ion Ratio Lower Upper

152 100

150 152.3 124.6 186.8

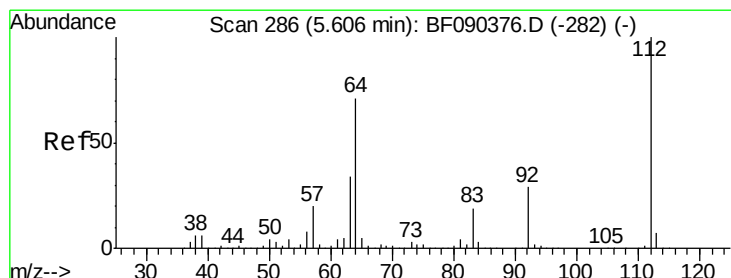
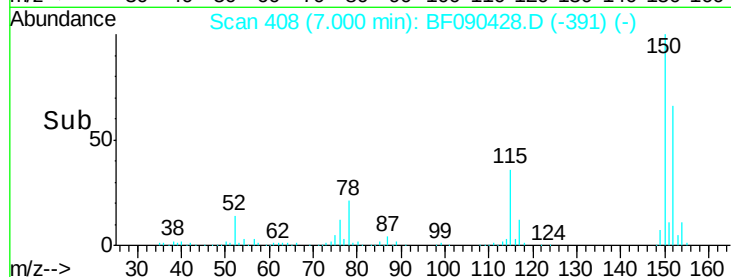
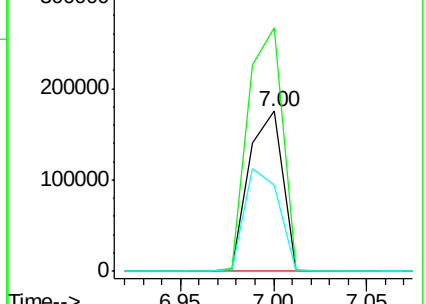
115 54.2 46.2 69.4



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: 74.61 ng

RT: 5.59 min Scan# 285

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

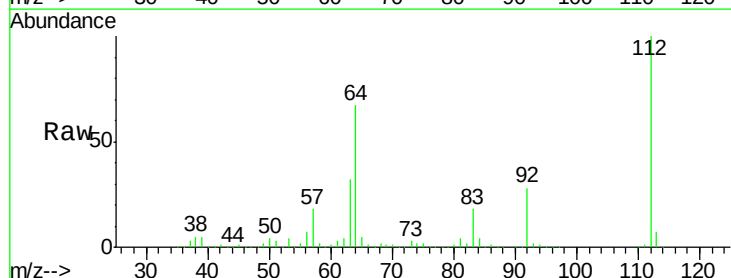
Tgt Ion:112 Resp: 1089609

Ion Ratio Lower Upper

112 100

64 66.6 57.9 86.9

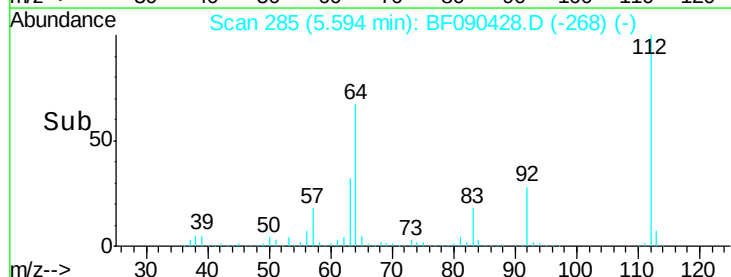
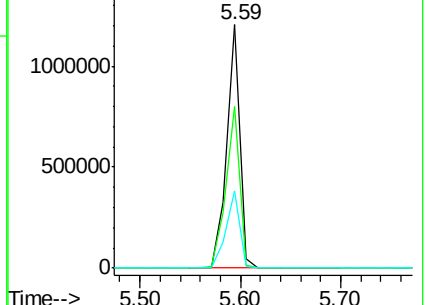
63 31.6 29.6 44.4

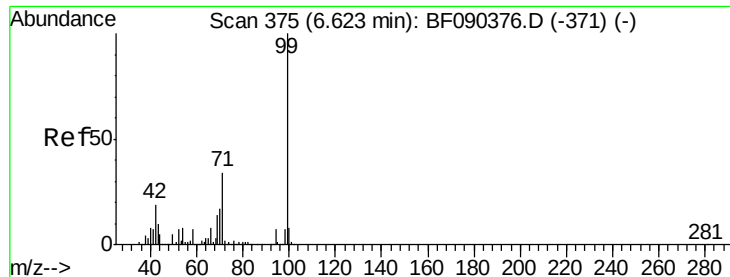


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.49 ng

RT: 6.61 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

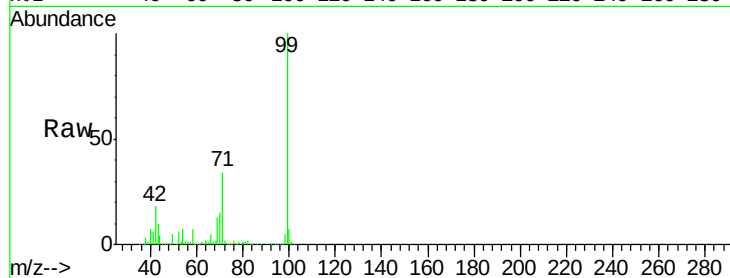
Tgt Ion: 99 Resp: 1711769

Ion Ratio Lower Upper

99 100

42 17.6 20.0 30.0#

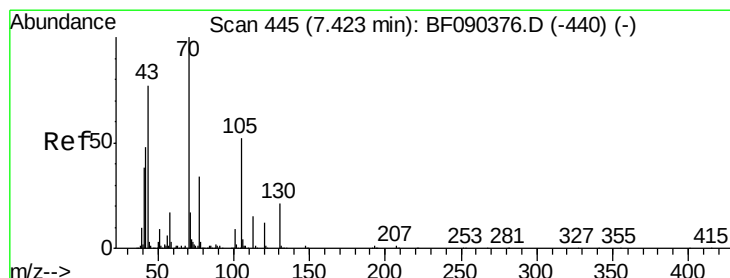
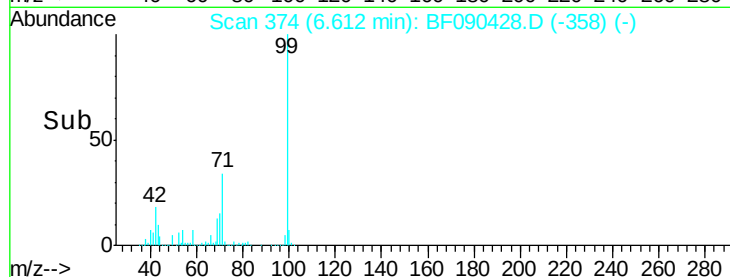
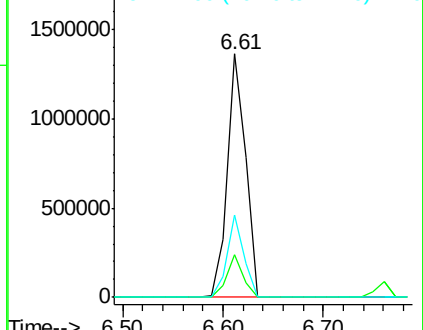
71 33.7 27.9 41.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.70 ng

RT: 7.56 min Scan# 457

Delta R.T. 0.14 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Tgt Ion: 70 Resp: 164044

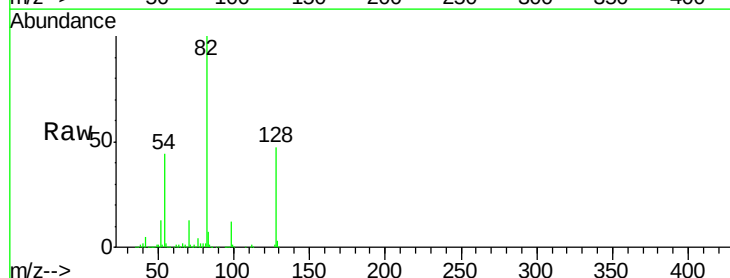
Ion Ratio Lower Upper

70 100

42 35.4 55.4 83.2#

101 0.0 7.6 11.4#

130 2.1 16.5 24.7#

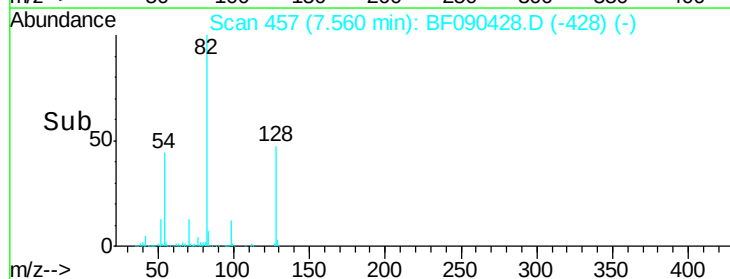
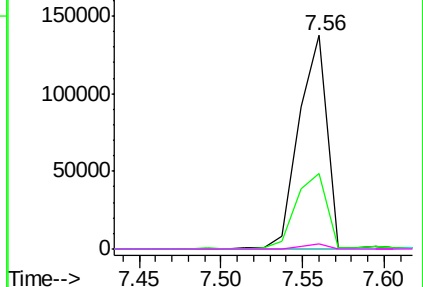


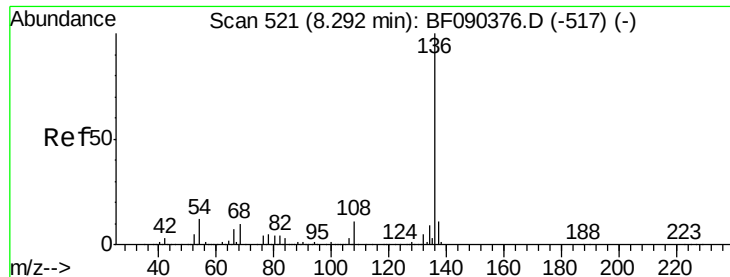
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

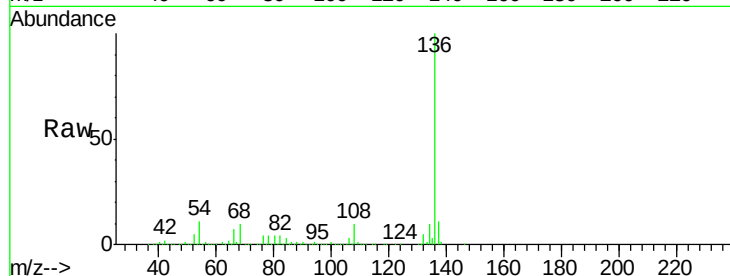




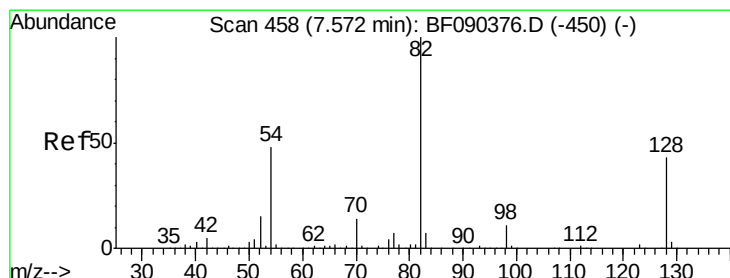
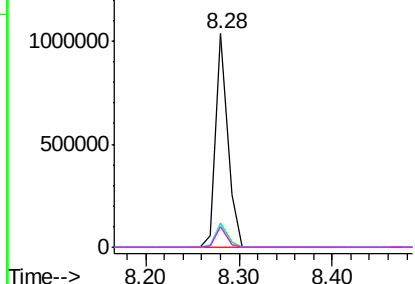
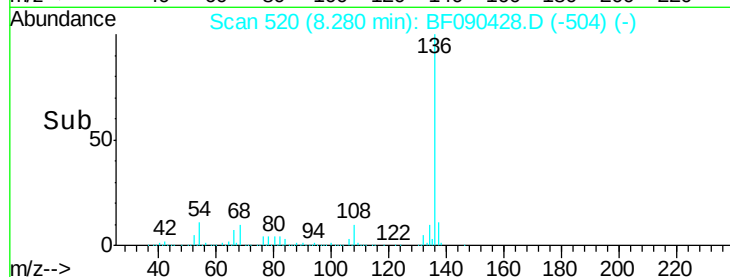
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Instrument :
BNA_F
ClientSampleId :
IMPACT-MATERIALS-DGA

Tgt Ion: 136 Resp: 925482
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 11.0 6.6 10.0#
68 9.6 5.0 7.6#

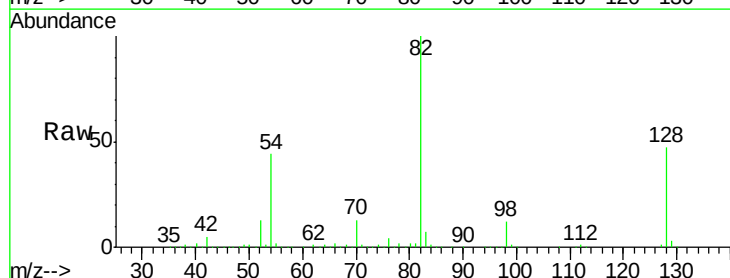


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

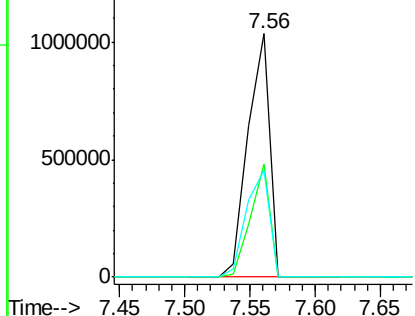
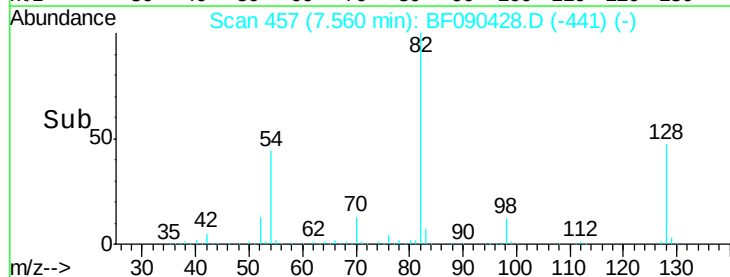


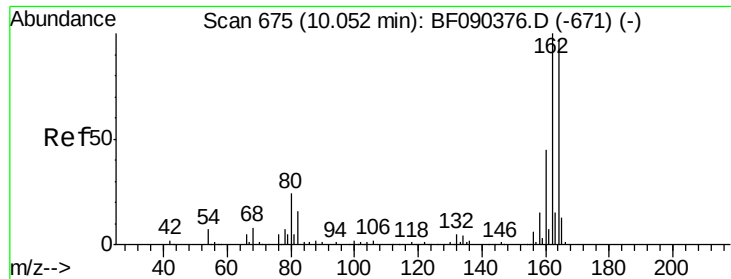
#23
Nitrobenzene-d5
Concen: 62.78 ng
RT: 7.56 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Tgt Ion: 82 Resp: 1194365
Ion Ratio Lower Upper
82 100
128 46.7 40.0 60.0
54 43.8 42.6 64.0



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

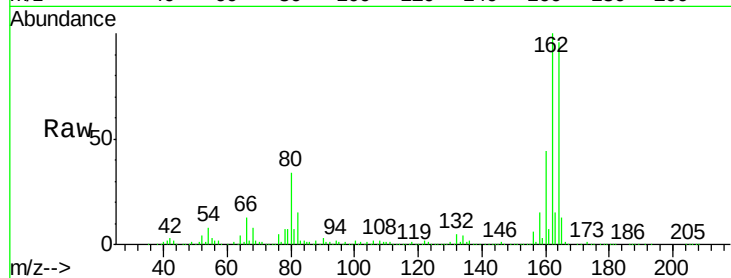




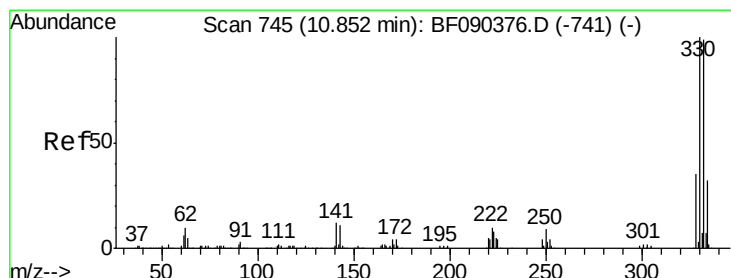
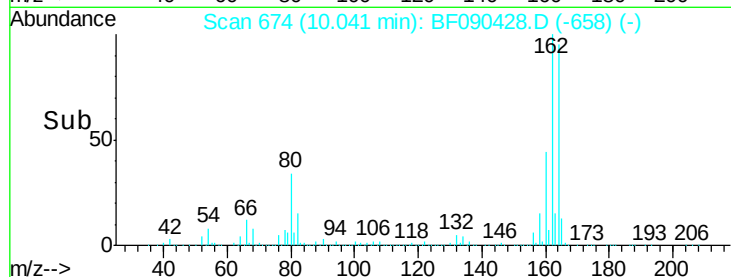
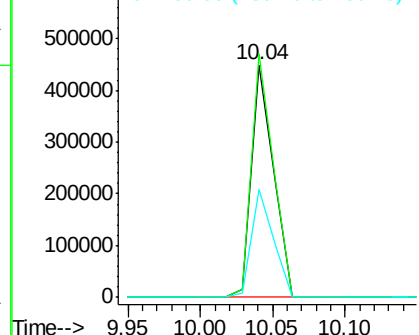
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF090428.D
 Acq: 6 Oct 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-MATERIALS-DGA

Tgt Ion:164 Resp: 471253
 Ion Ratio Lower Upper
 164 100
 162 104.7 80.1 120.1
 160 46.5 36.3 54.5

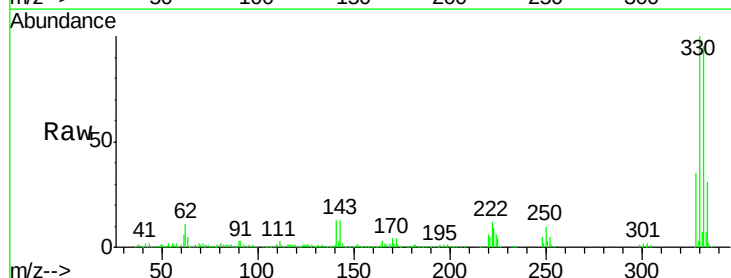


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

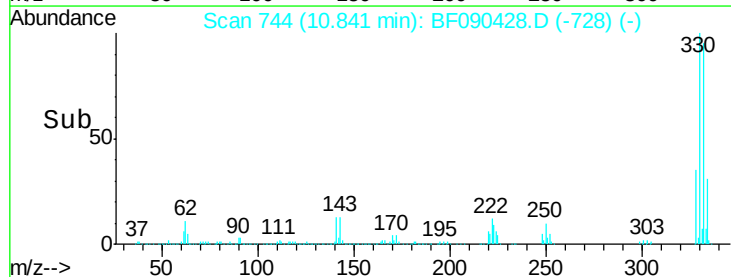
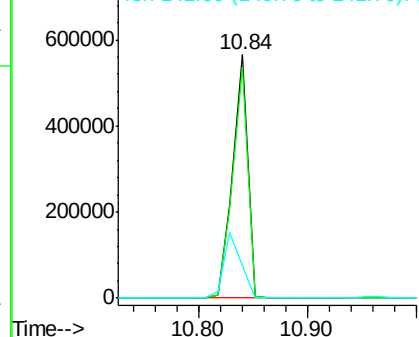


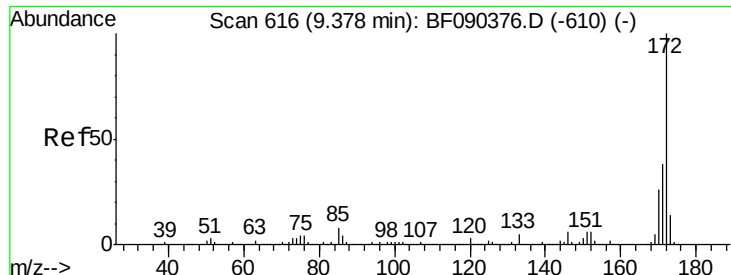
#41
 2,4,6-Tribromophenol
 Concen: 142.54 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090428.D
 Acq: 6 Oct 2016 19:53

Tgt Ion:330 Resp: 546201
 Ion Ratio Lower Upper
 330 100
 332 94.8 75.4 113.0
 141 30.5 26.9 40.3



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

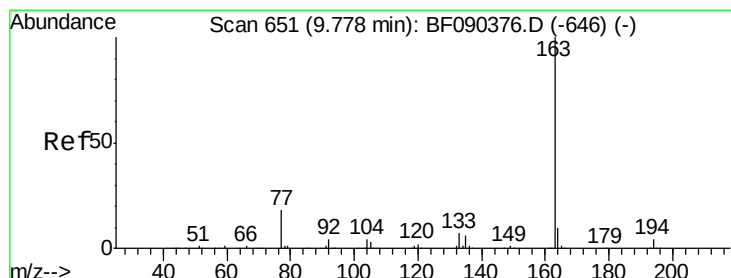
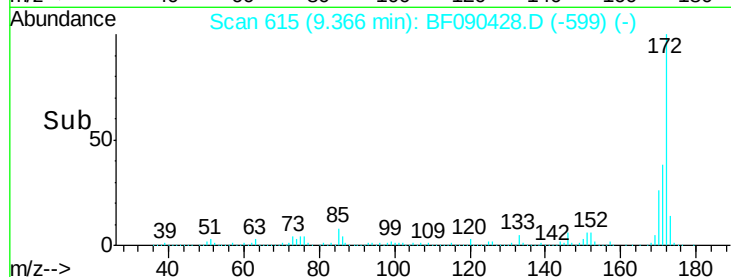
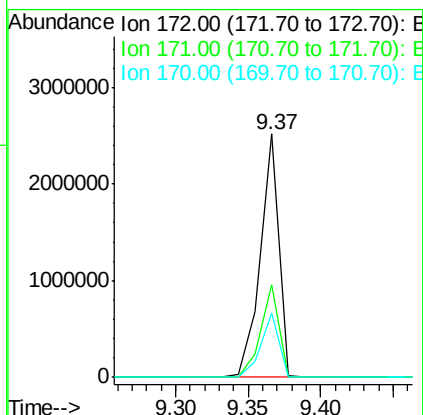
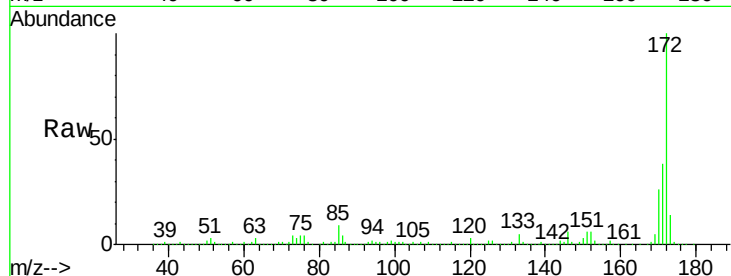




#44
2-Fluorobiphenyl
Concen: 78.84 ng
RT: 9.37 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

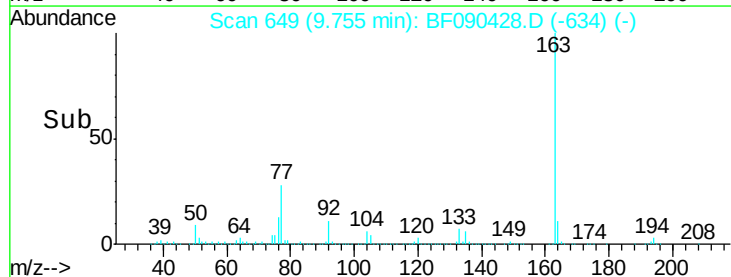
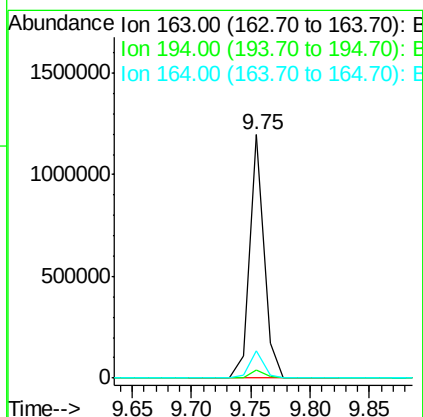
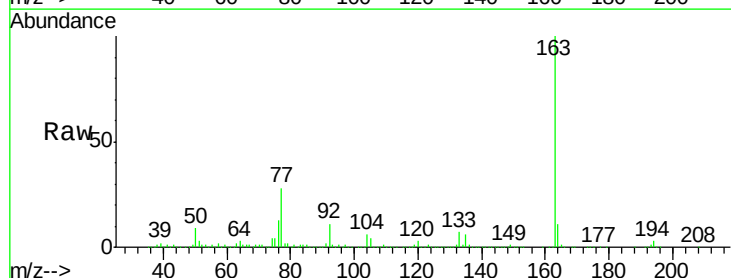
Instrument :
BNA_F
ClientSampleId :
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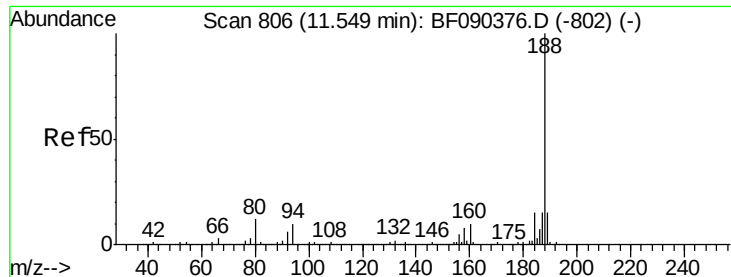
Tgt Ion:172 Resp: 2229992
Ion Ratio Lower Upper
172 100
171 38.3 31.8 47.8
170 26.3 21.7 32.5



#49
Dimethylphthalate
Concen: 33.62 ng
RT: 9.75 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Tgt Ion:163 Resp: 1014540
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 11.0 9.0 13.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.54 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

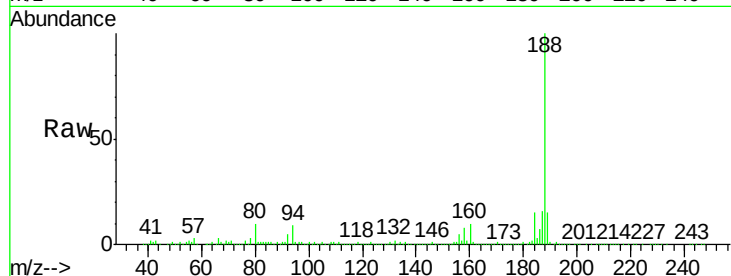
Tgt Ion:188 Resp: 806328

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

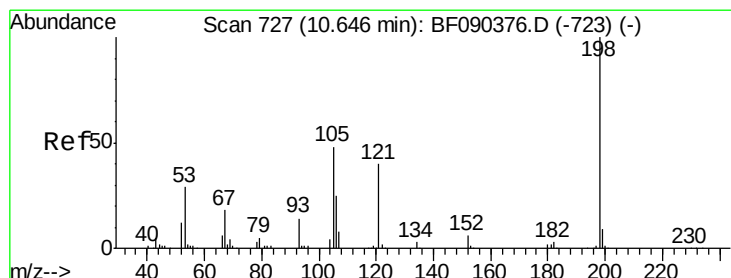
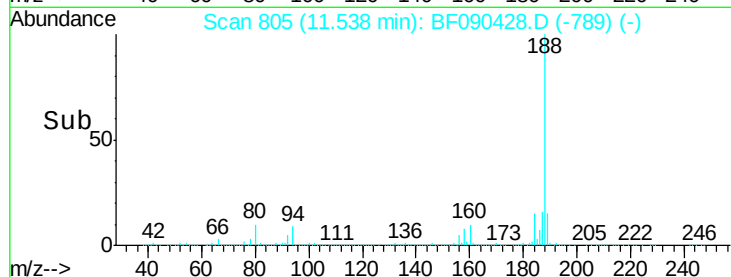
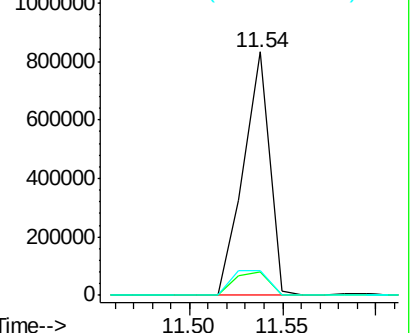
80 10.2 8.8 13.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.47 ng

RT: 10.78 min Scan# 739

Delta R.T. 0.14 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

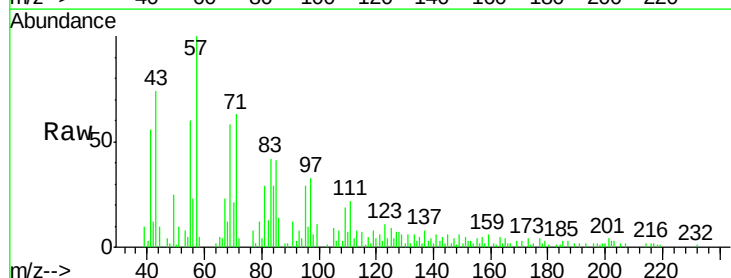
Tgt Ion:198 Resp: 237

Ion Ratio Lower Upper

198 100

51 673.3 67.3 107.3#

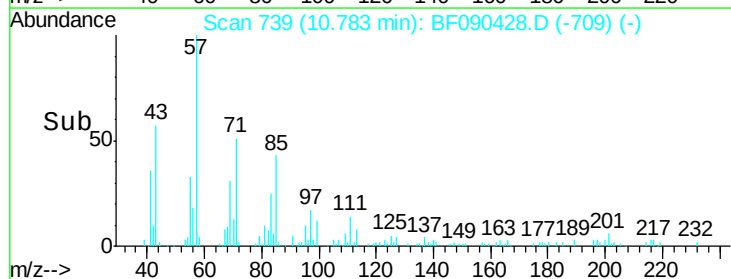
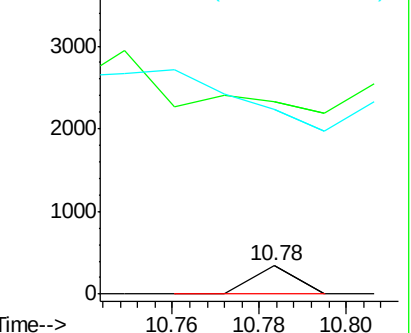
105 646.4 42.6 82.6#

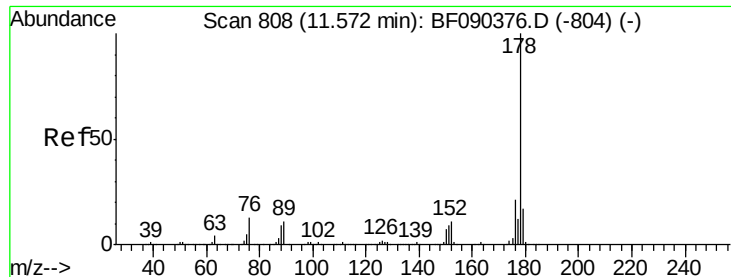


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

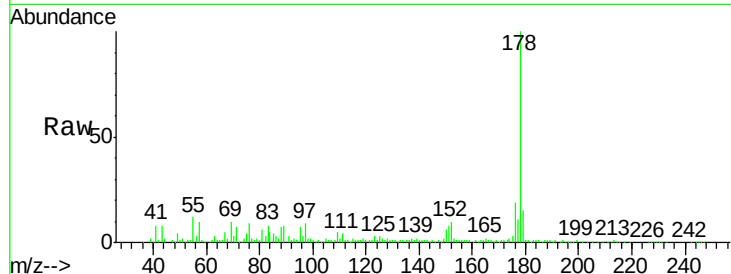




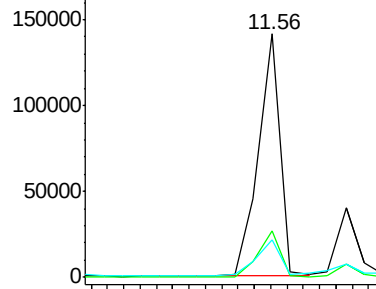
#70
Phenanthrene
Concen: 3.17 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Instrument :
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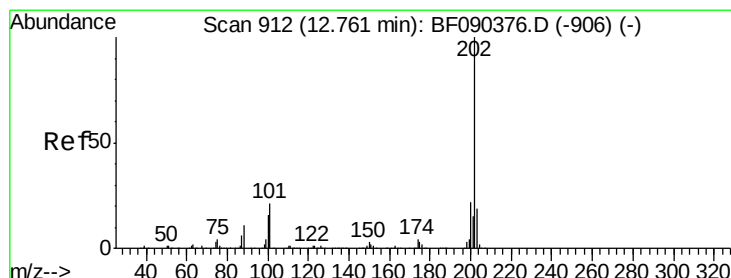
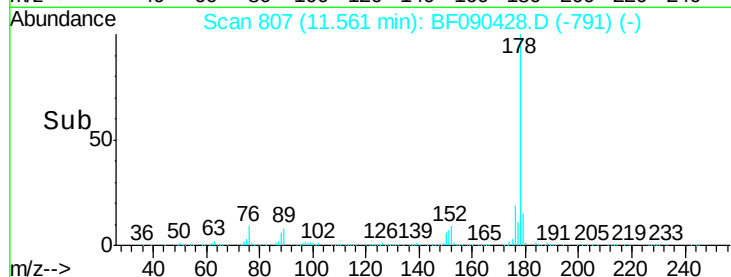
Tgt Ion:178 Resp: 131031
Ion Ratio Lower Upper
178 100
176 18.9 17.3 25.9
179 15.4 13.8 20.6



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

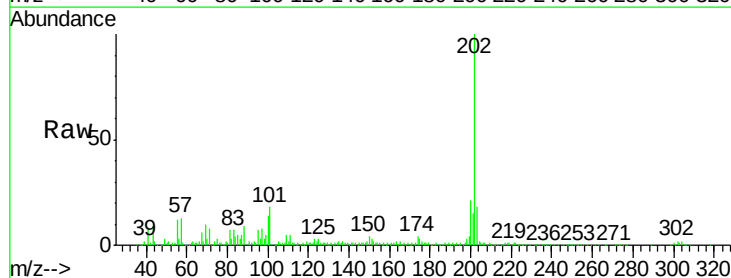


Time--> 11.45 11.50 11.55 11.60

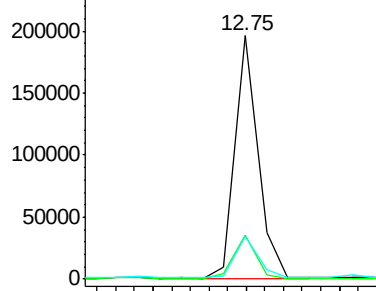


#74
Fluoranthene
Concen: 4.12 ng
RT: 12.75 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

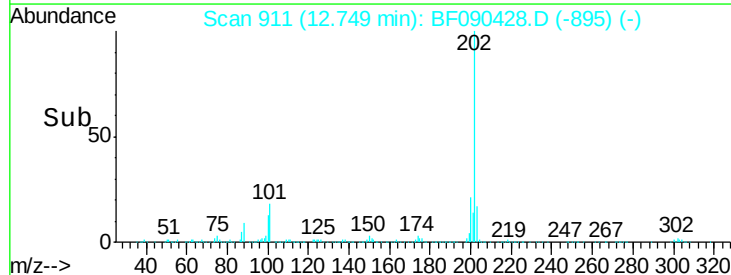
Tgt Ion:202 Resp: 166748
Ion Ratio Lower Upper
202 100
101 17.9 0.0 37.2
203 17.7 0.0 39.3

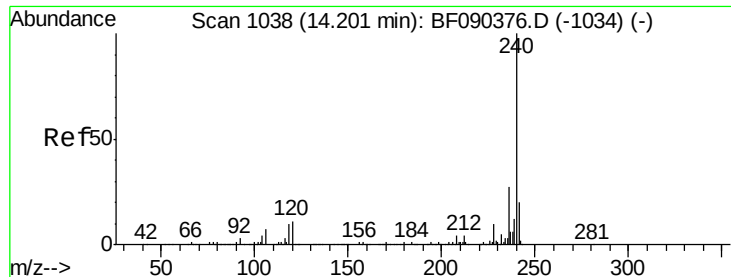


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.70 12.75 12.80





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

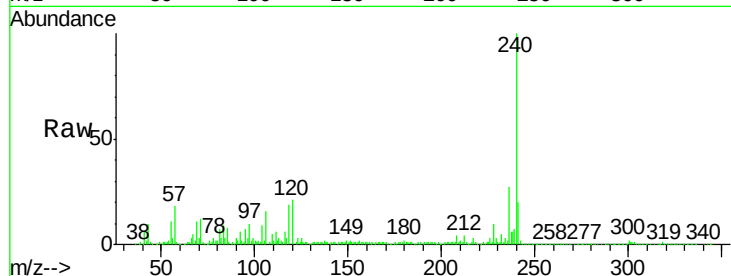
Tgt Ion:240 Resp: 480851

Ion Ratio Lower Upper

240 100

120 21.5 8.6 13.0#

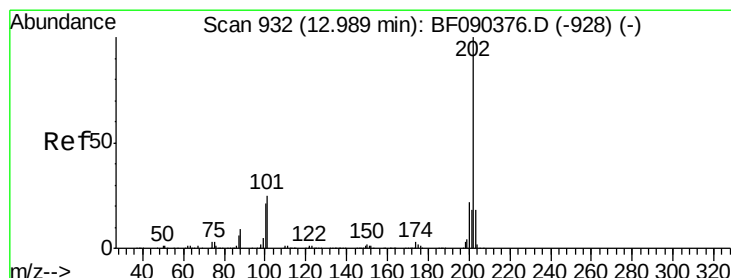
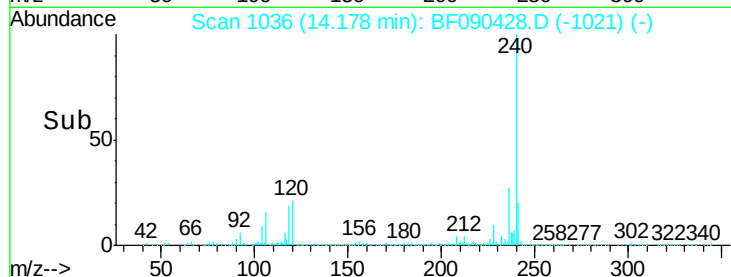
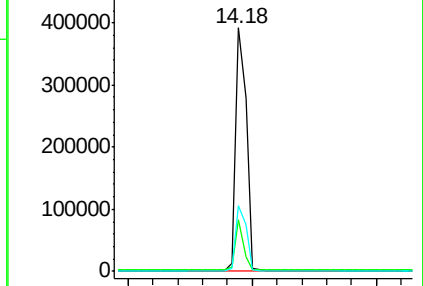
236 26.8 21.6 32.4



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: 4.76 ng

RT: 12.98 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

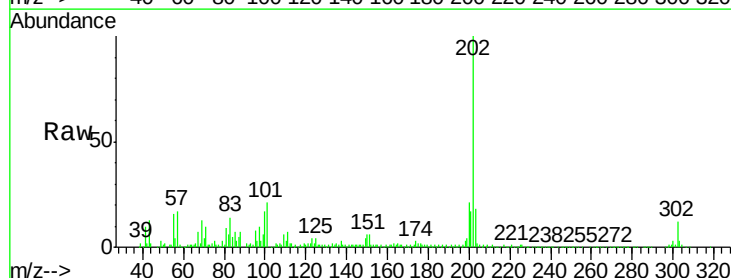
Tgt Ion:202 Resp: 152497

Ion Ratio Lower Upper

202 100

200 21.3 18.5 27.7

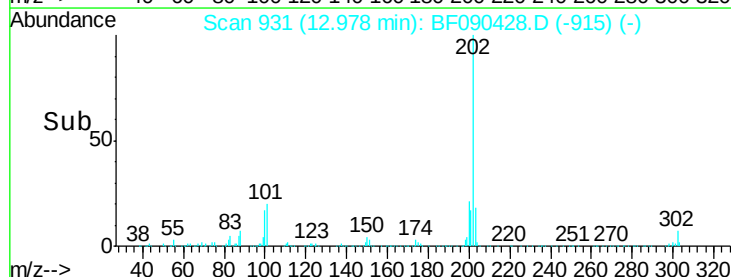
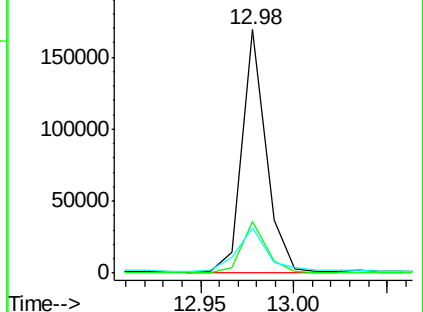
203 18.4 15.0 22.6

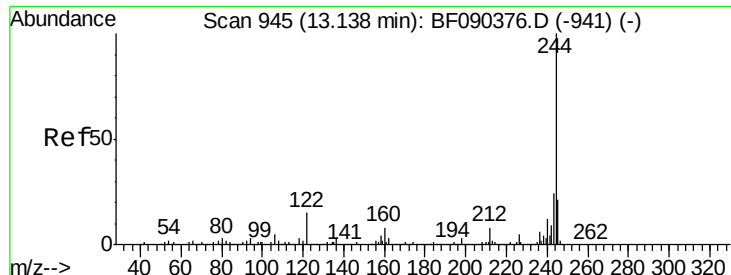


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.20 ng

RT: 13.13 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

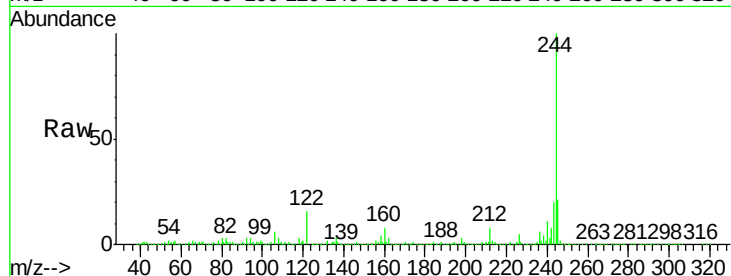
Tgt Ion:244 Resp: 1800937

Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

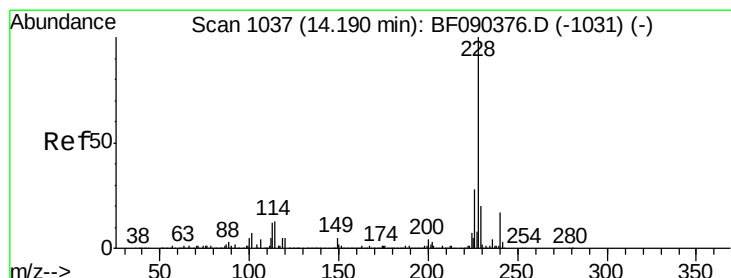
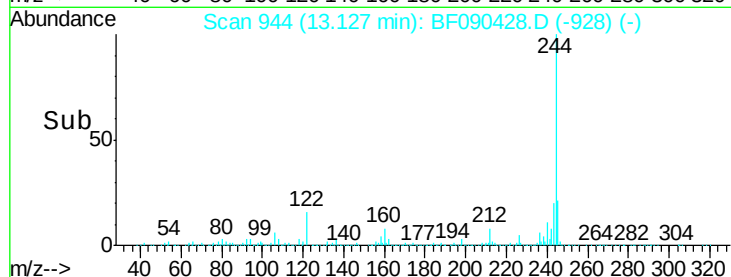
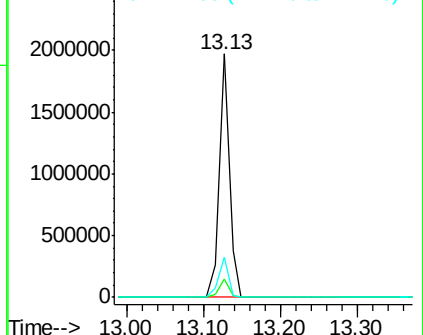
122 16.4 13.3 19.9



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: 2.51 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

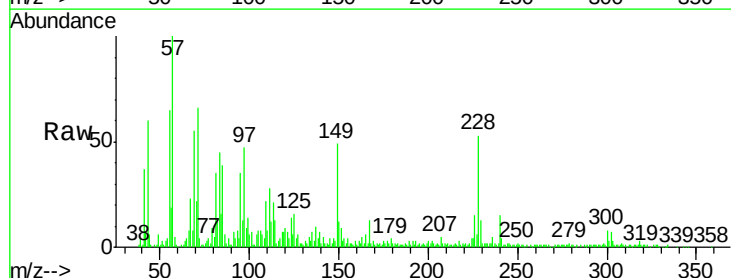
Tgt Ion:228 Resp: 67785

Ion Ratio Lower Upper

228 100

226 28.2 23.6 35.4

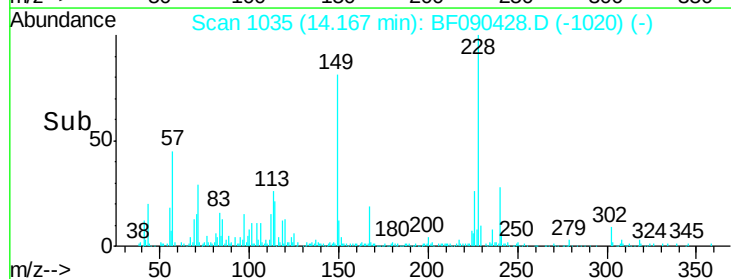
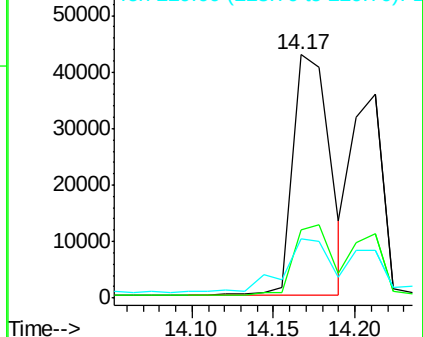
229 24.5 16.6 25.0

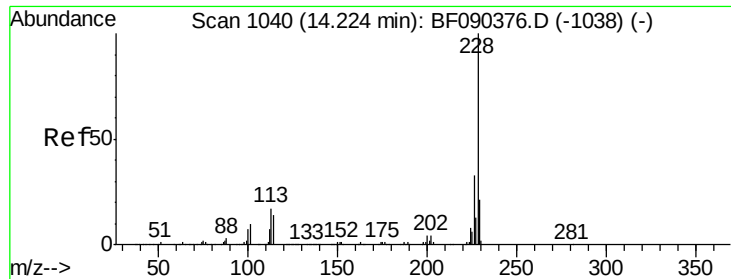


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.73 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

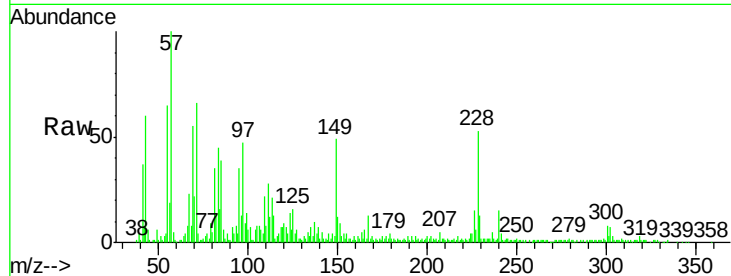
Tgt Ion:228 Resp: 67785

Ion Ratio Lower Upper

228 100

226 28.2 25.8 38.6

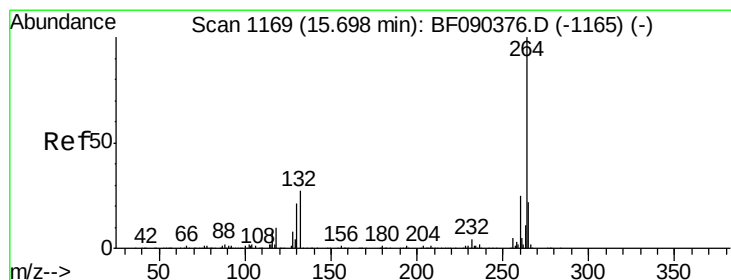
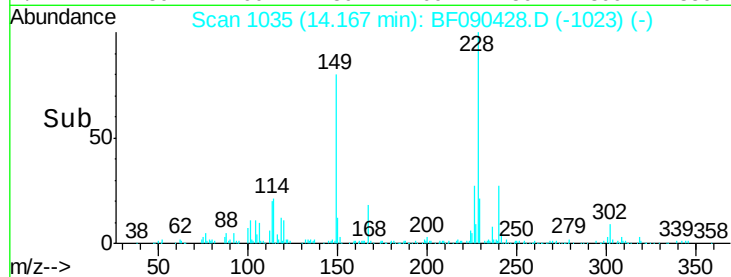
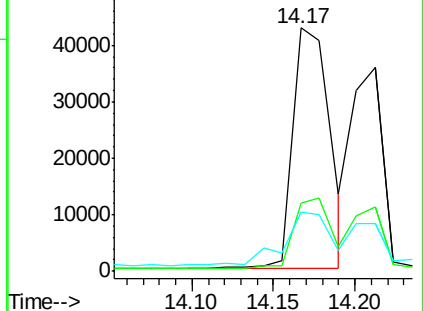
229 24.5 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

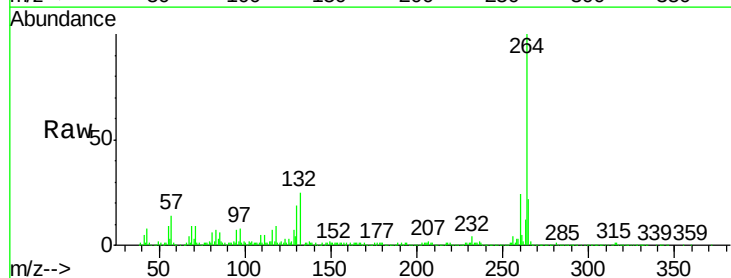
Tgt Ion:264 Resp: 431557

Ion Ratio Lower Upper

264 100

260 24.5 19.3 28.9

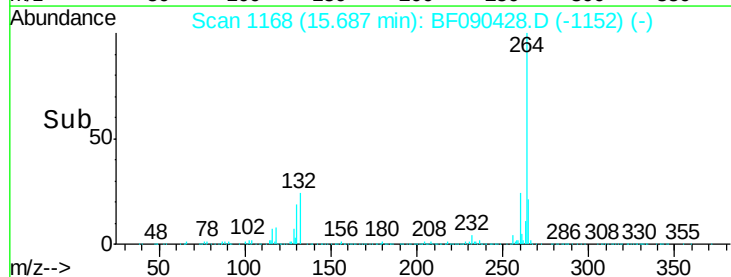
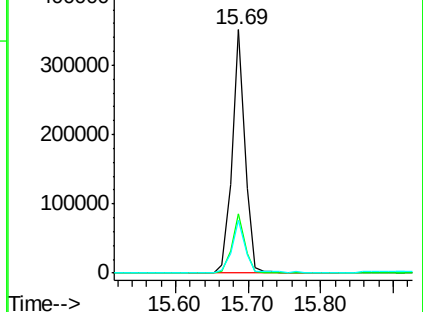
265 21.6 17.4 26.0

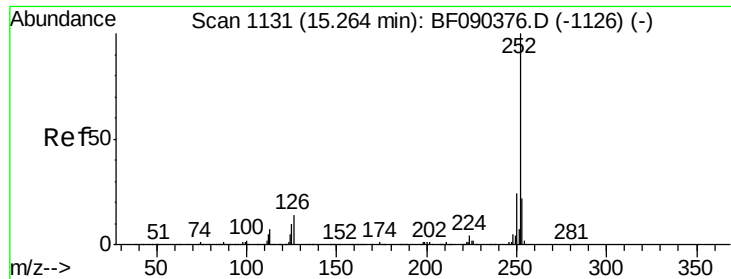


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.15 ng

RT: 15.24 min Scan# 1129

Delta R.T. -0.02 min

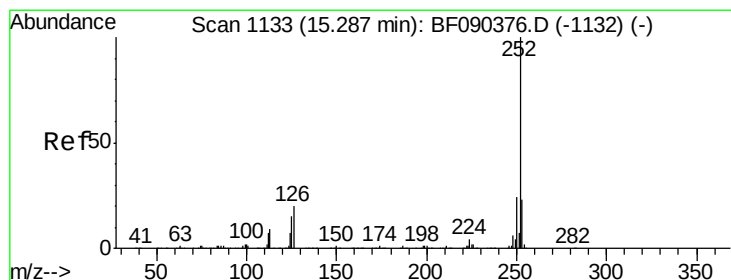
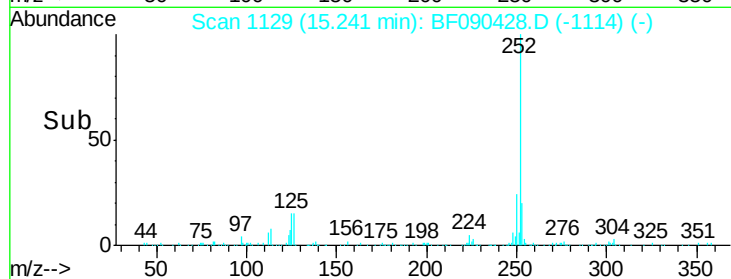
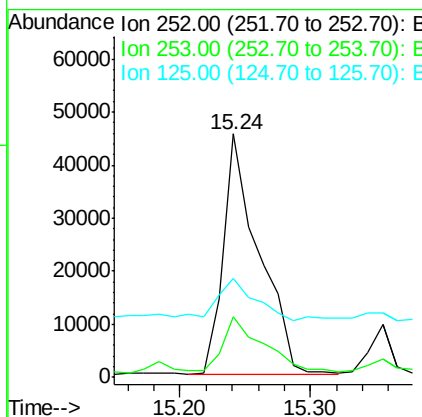
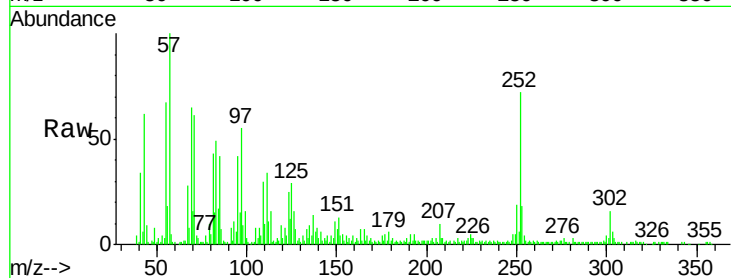
Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Instrument :
BNA_F
ClientSampleId :
IMPACT-MATERIALS-DGA

Tgt Ion:252 Resp: 86685

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	40.6	7.0	10.4#



#88

Benzo(k)fluoranthene

Concen: 3.36 ng

RT: 15.24 min Scan# 1129

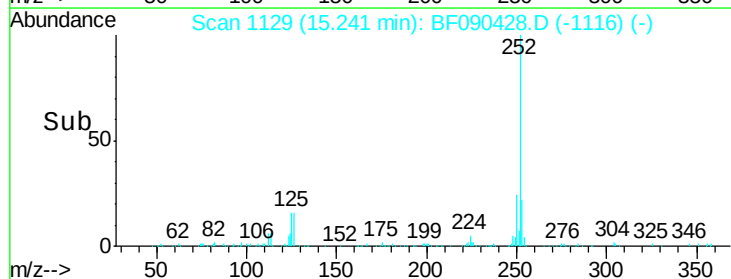
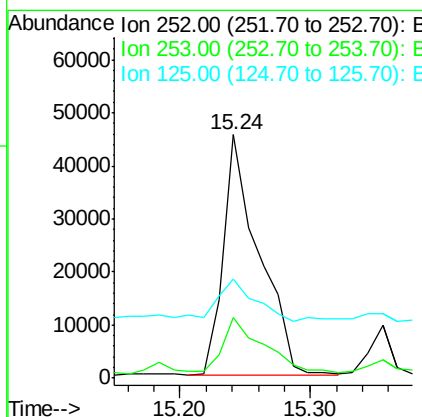
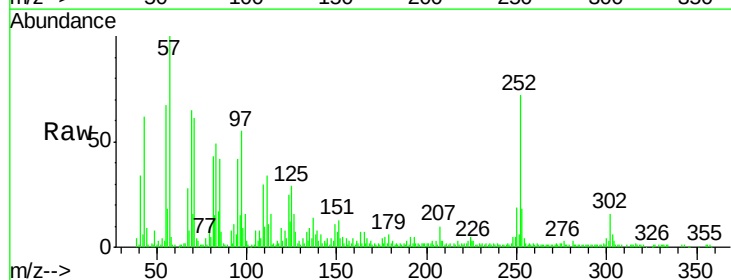
Delta R.T. -0.05 min

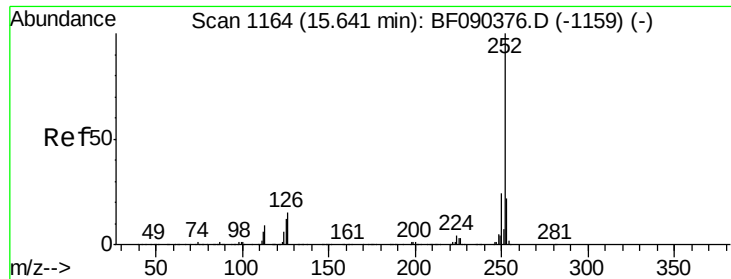
Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

Tgt Ion:252 Resp: 86685

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.6	27.8
125	40.6	11.7	17.5#





#89

Benzo(a)pyrene

Concen: 2.01 ng

RT: 15.62 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF090428.D

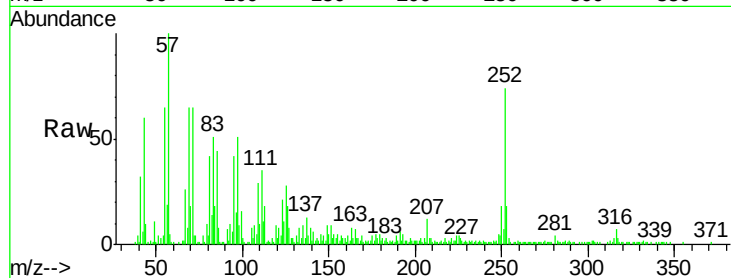
Acq: 6 Oct 2016 19:53

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA



Tgt Ion:	252	Resp:	47581
Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	37.9	9.8	14.8#

