

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

Manual Integrations
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Quant Time: Oct 07 11:24:15 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						Qvalue
49) Dimethylphthalate	9.75	163	1014540	33.62	ng	100
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
87) Benzo(b)fluoranthene	15.24	252	61485m	2.24	ng	
89) Benzo(a)pyrene	15.62	252	47581	2.01	ng	# 76

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

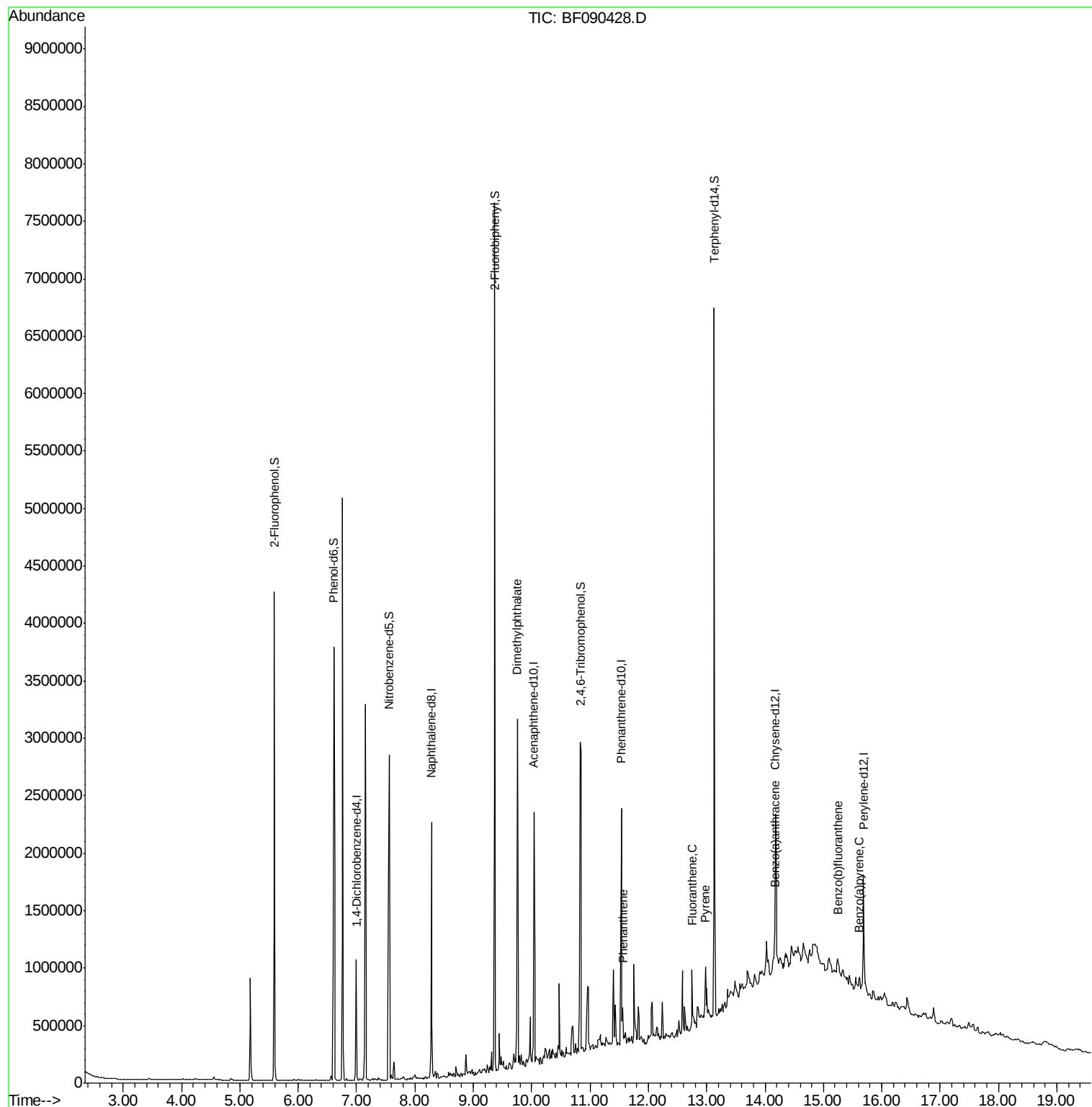
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090428.D
Acq On : 6 Oct 2016 19:53
Operator : UM/SJ
Sample : H5110-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

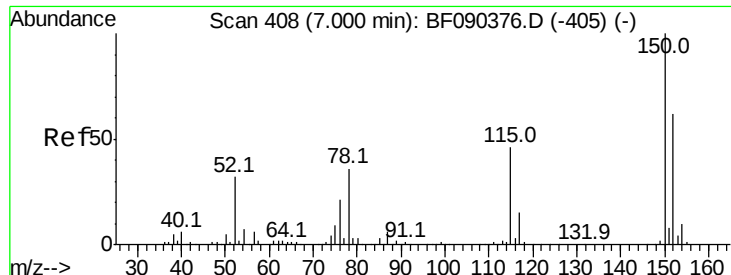
Instrument :
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ClientSampleId :
IMPACT-MATERIALS-DGA

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Quant Time: Oct 07 11:24:15 2016
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#1

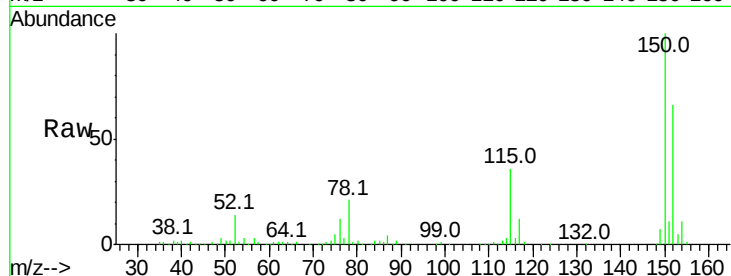
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Instrument :
BNA_F
ClientSampleId :
IMPACT-MATERIALS-DGA

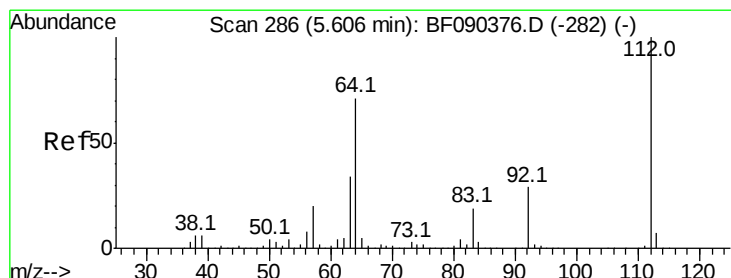
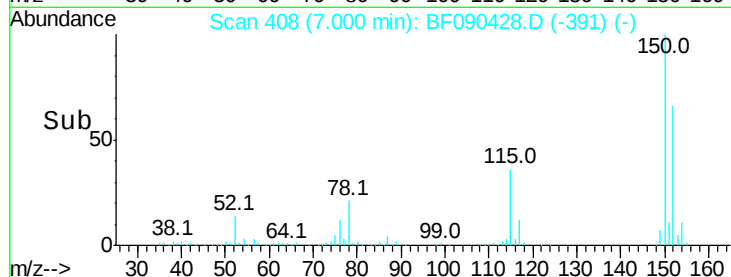
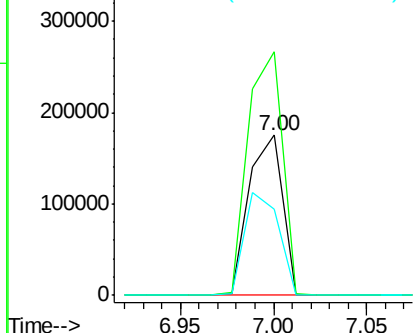
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	54.2	46.2	69.4

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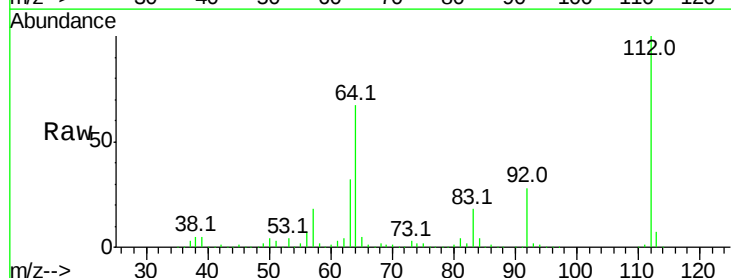
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



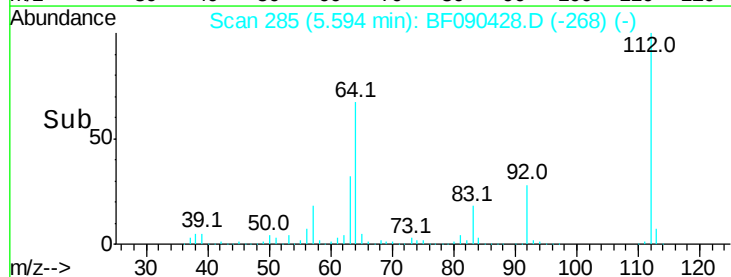
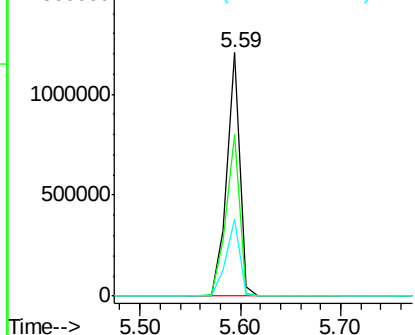
#5

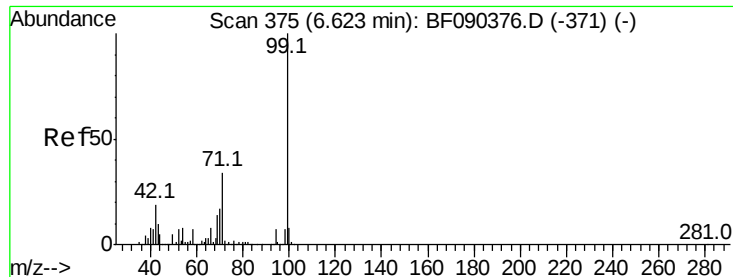
2-Fluorophenol
Concen: 74.61 ng
RT: 5.59 min Scan# 285
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Tgt Ion	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

Tot Ion: 99 Resp: 1711769

Ion Ratio Lower Upper

99 100

42 17.6 20.0 30.0#

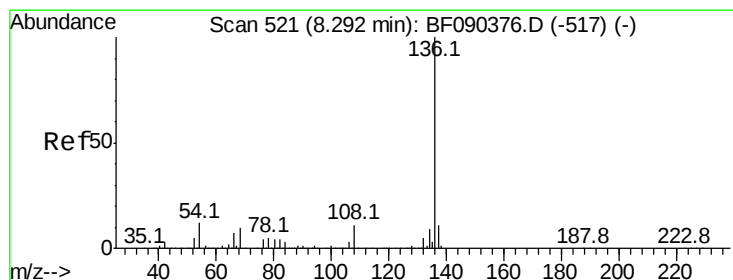
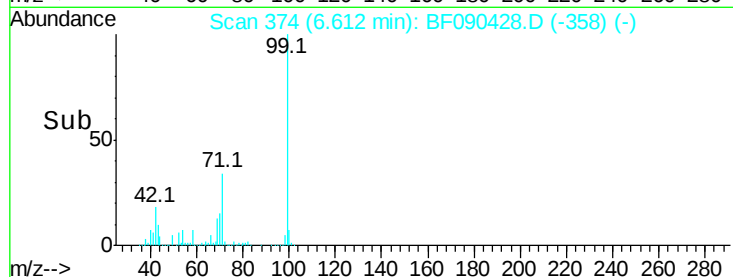
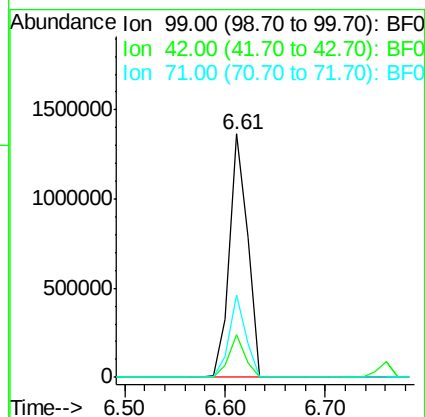
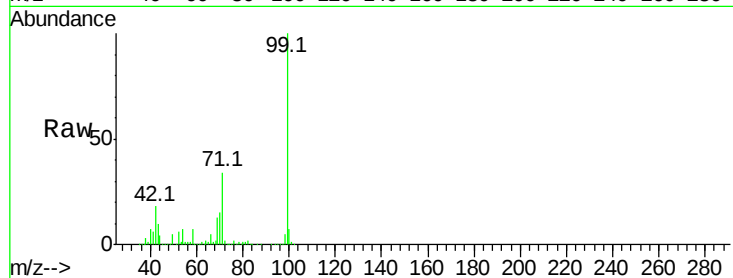
71 33.7 27.9 41.9

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#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

Tgt Ion: 136 Resp: 925482

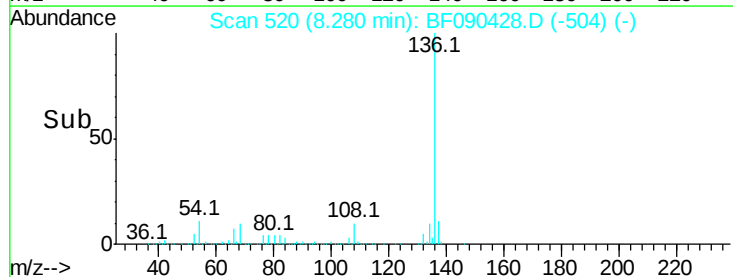
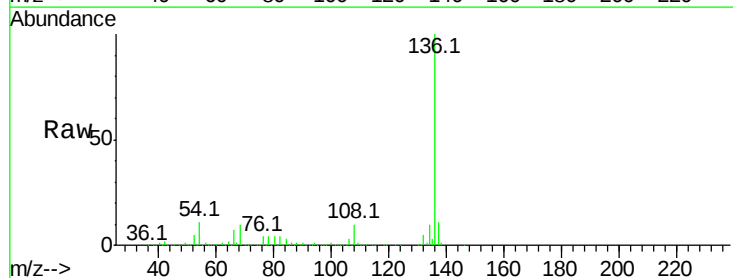
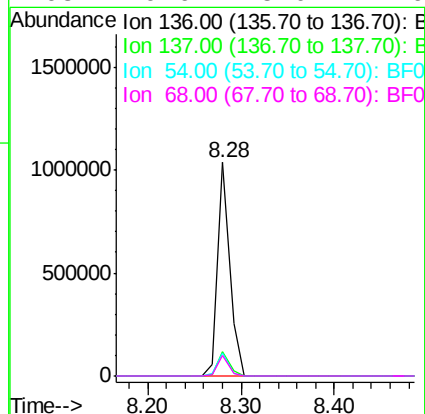
Ion Ratio Lower Upper

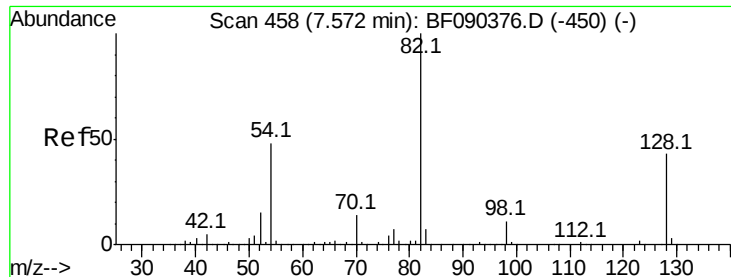
136 100

137 11.4 9.0 13.6

54 11.0 6.6 10.0#

68 9.6 5.0 7.6#





#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

Instrument :

BNA_F

ClientSampleId :

IMPACT-MATERIALS-DGA

Tot Ion: 82 Resp: 1194365

Ion Ratio Lower Upper

82 100

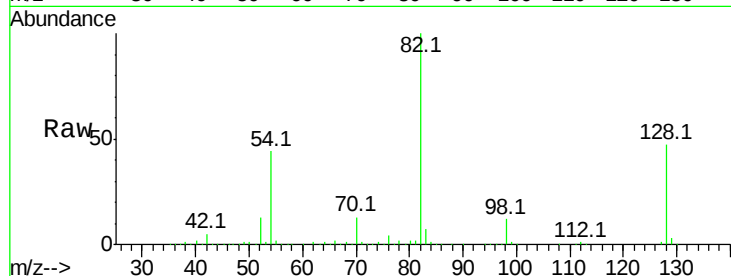
128 46.7 40.0 60.0

54 43.8 42.6 64.0

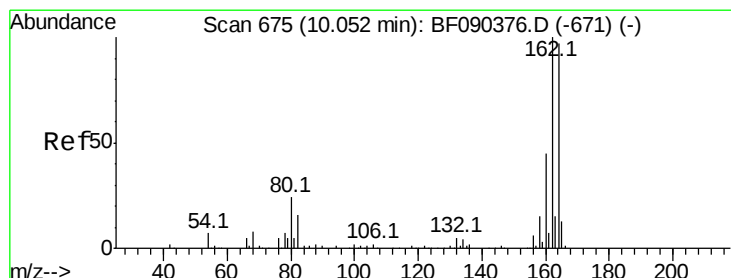
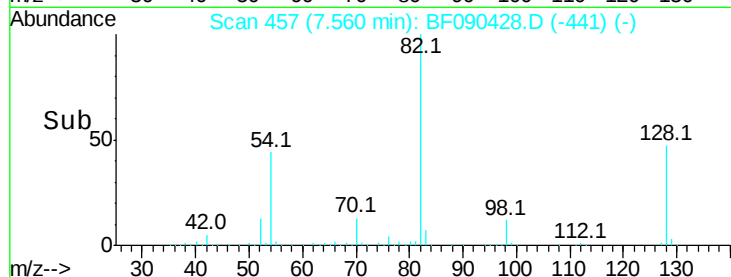
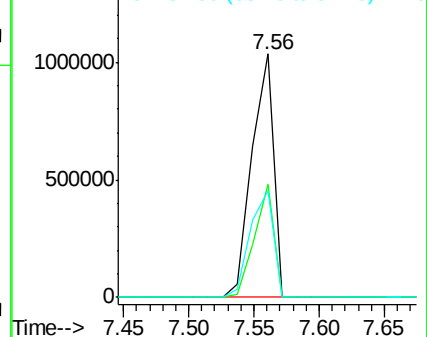
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#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

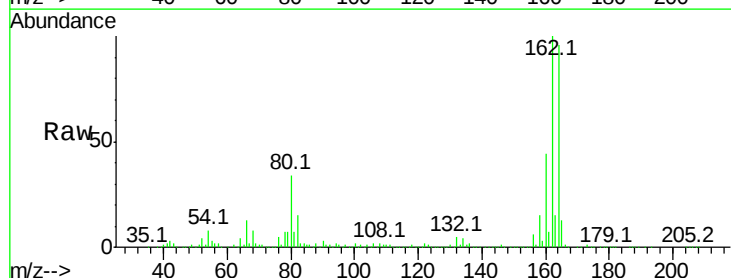
Tgt Ion:164 Resp: 471253

Ion Ratio Lower Upper

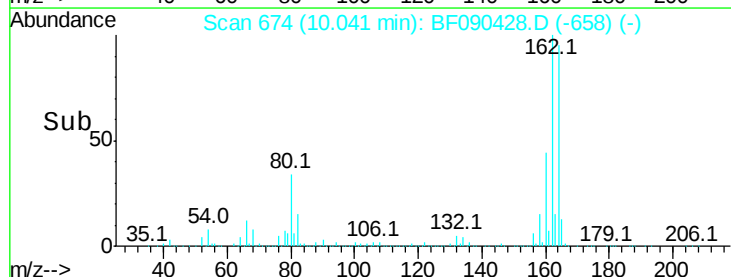
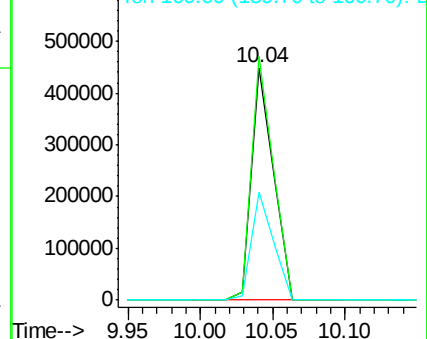
164 100

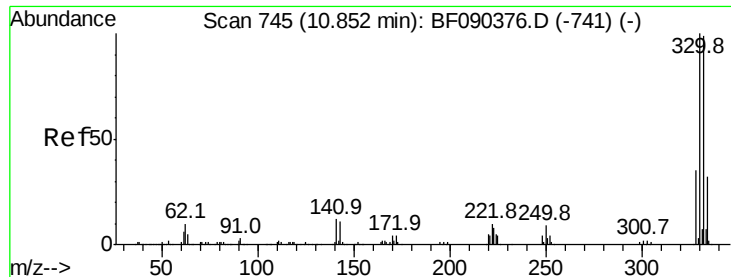
162 104.7 80.1 120.1

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





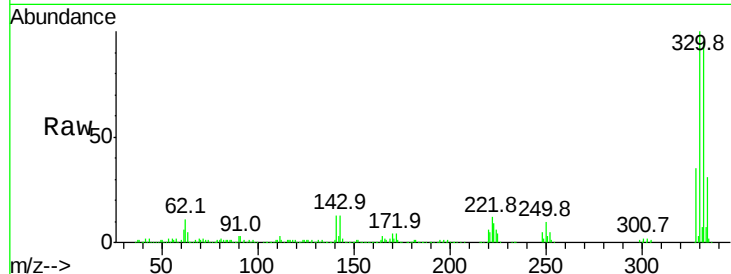
#41
 2,4,6-Tribromophenol
 Concen: 142.54 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090428.D
 Acq: 6 Oct 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
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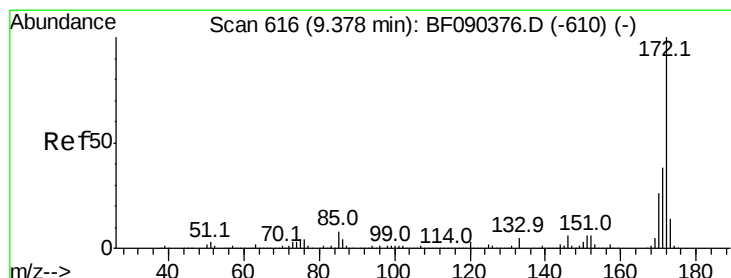
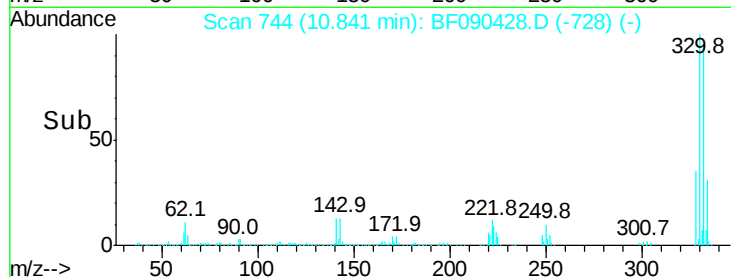
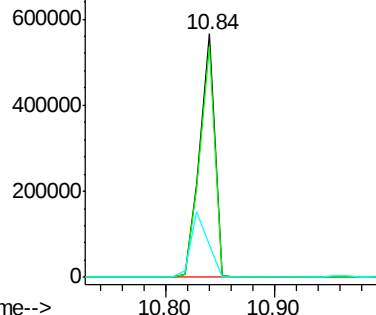
Tot Ion	Ratio	Resp	Lower	Upper
330	100	546201		
332	94.8	75.4	113.0	
141	30.5	26.9	40.3	

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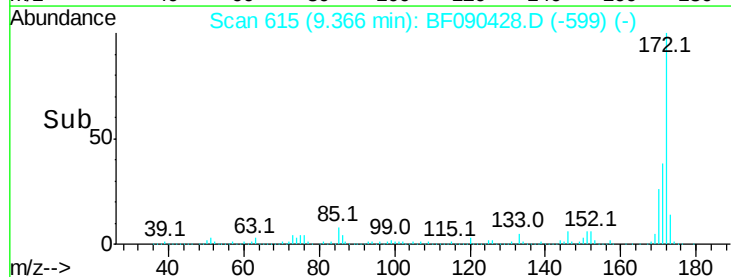
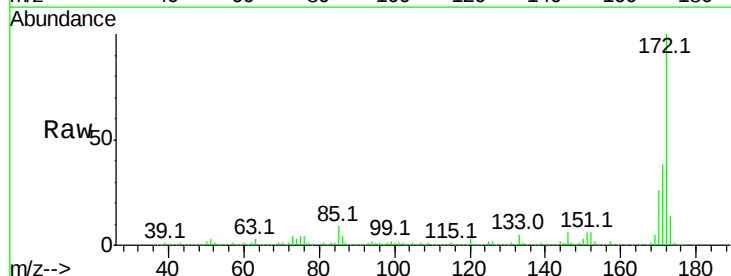
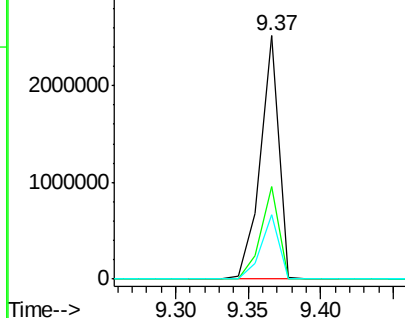
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

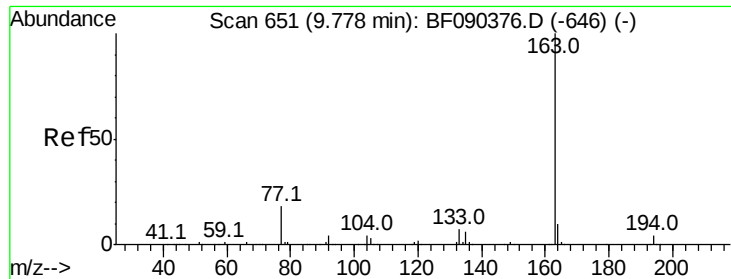


#44
 2-Fluorobiphenyl
 Concen: 78.84 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090428.D
 Acq: 6 Oct 2016 19:53

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

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





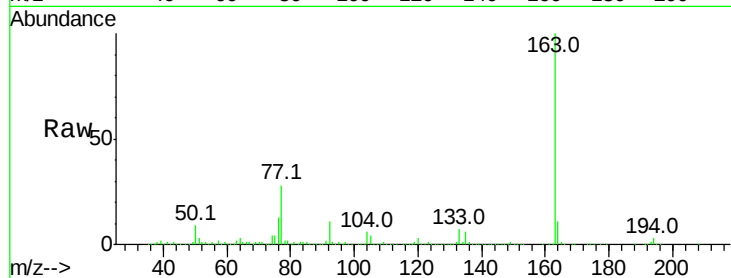
#49
Dimethylphthalate
Concen: 33.62 ng
RT: 9.75 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Instrument :
BNA_F
ClientSampleId :
IMPACT-MATERIALS-DGA

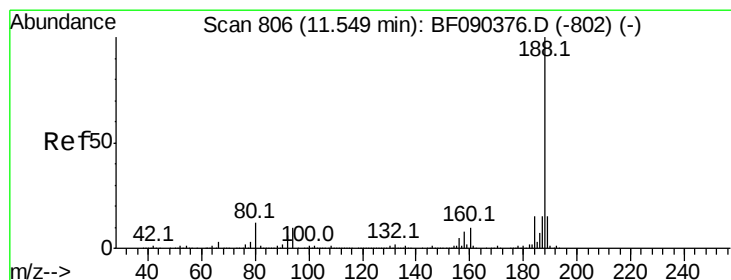
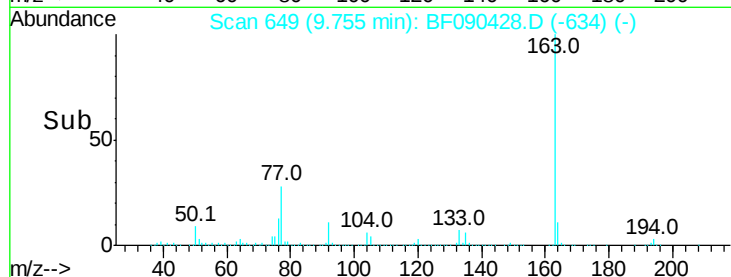
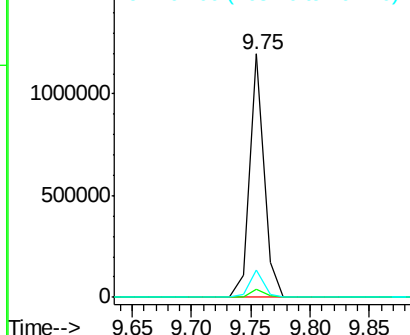
Tot Ion:163 Resp: 1014540
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 11.0 9.0 13.4

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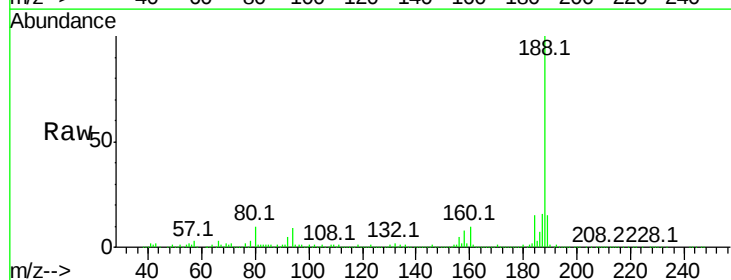


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

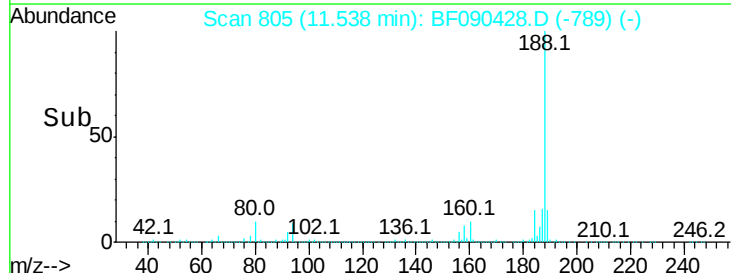
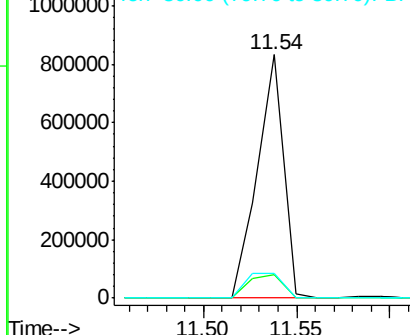


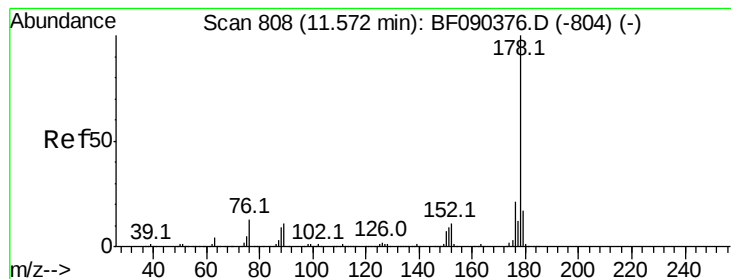
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

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





#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 :

BNA_F

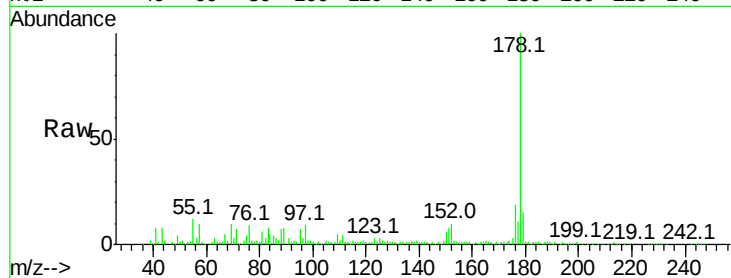
ClientSampleId :

IMPACT-MATERIALS-DGA

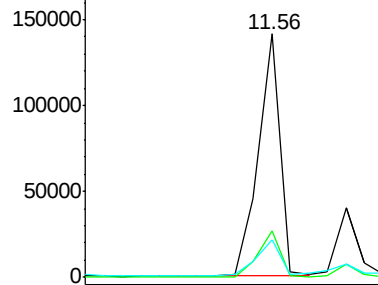
Tot Ion:	178	Resp:	131031
Ion Ratio	Lower	Upper	
178	100		
176	18.9	17.3	25.9
179	15.4	13.8	20.6

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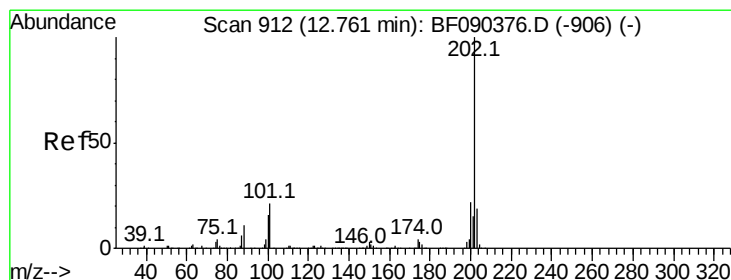
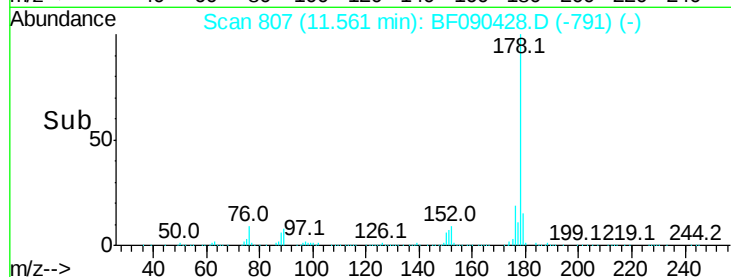
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 4.12 ng

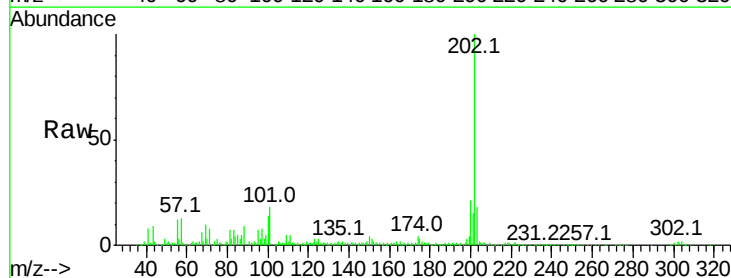
RT: 12.75 min Scan# 911

Delta R.T. -0.01 min

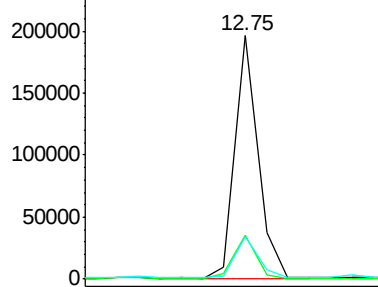
Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

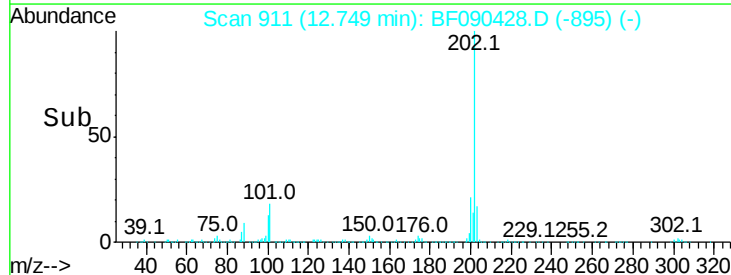
Tgt Ion:	202	Resp:	166748
Ion Ratio	Lower	Upper	
202	100		
101	17.9	0.0	37.2
203	17.7	0.0	39.3

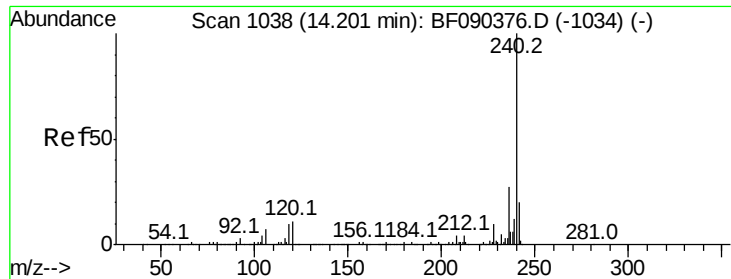


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#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

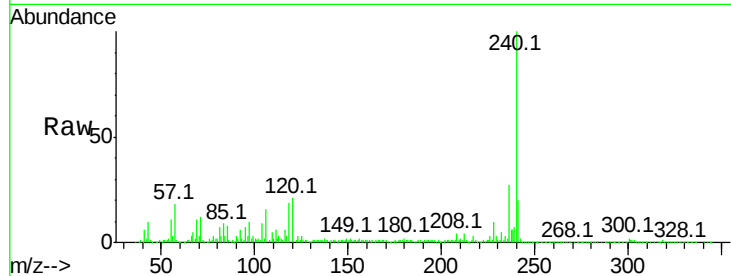
ClientSampleId :

IMPACT-MATERIALS-DGA

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	21.5	8.6	13.0	
236	26.8	21.6	32.4	

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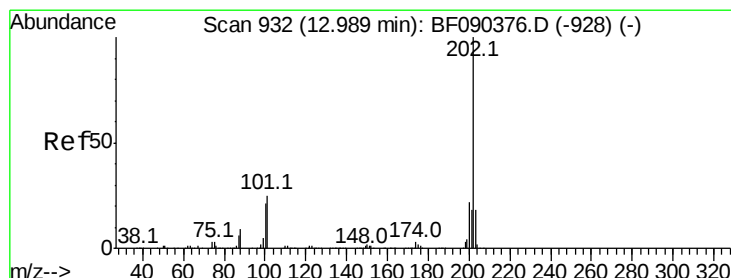
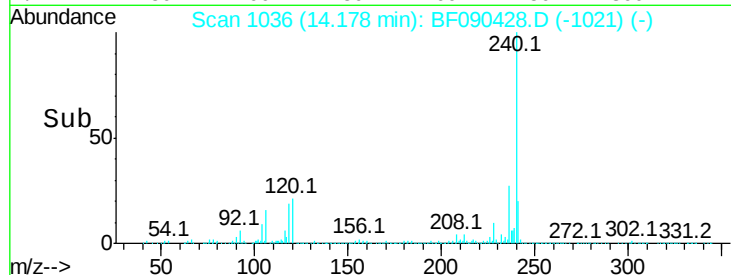
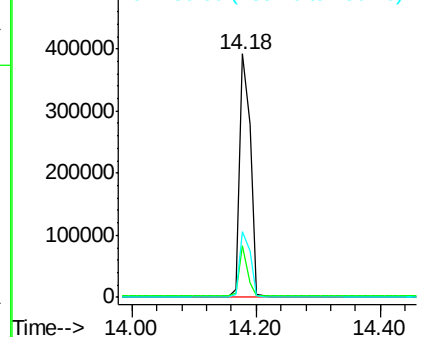
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.76 ng

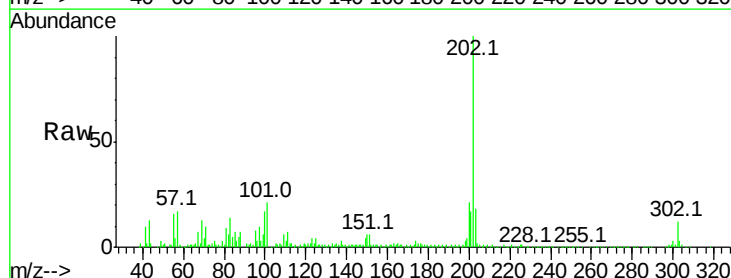
RT: 12.98 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF090428.D

Acq: 6 Oct 2016 19:53

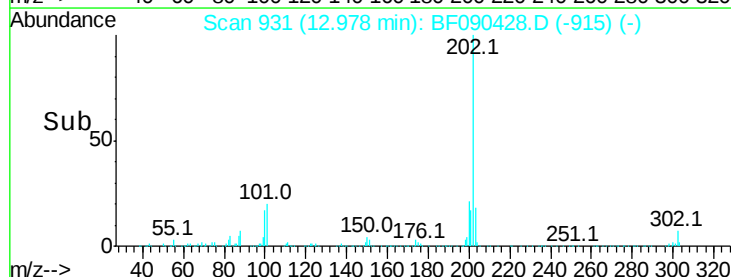
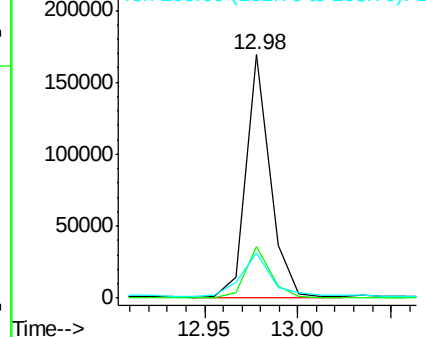
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	18.5	27.7	
203	18.4	15.0	22.6	

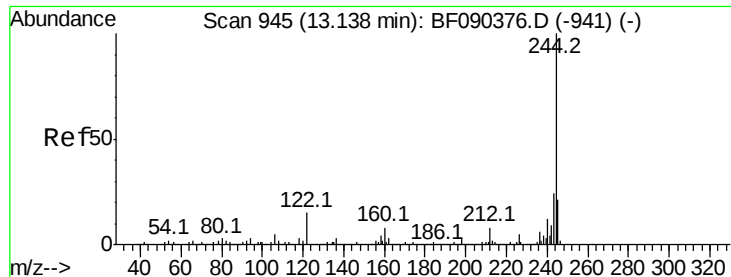


Abundance Ion 202.00 (201.70 to 202.70): E

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

Tot Ion:244 Resp: 1800937

Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

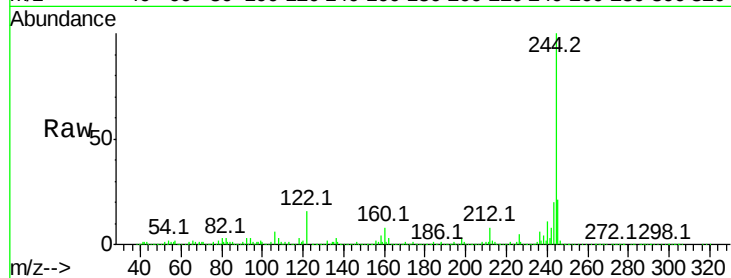
122 16.4 13.3 19.9

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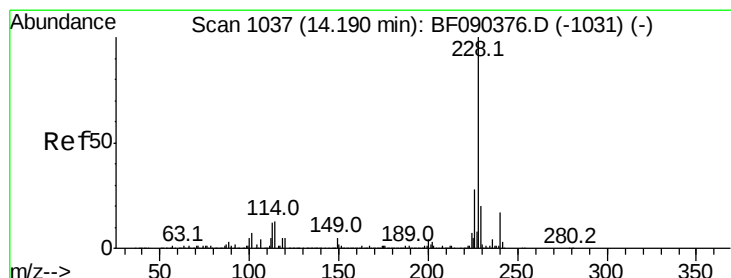
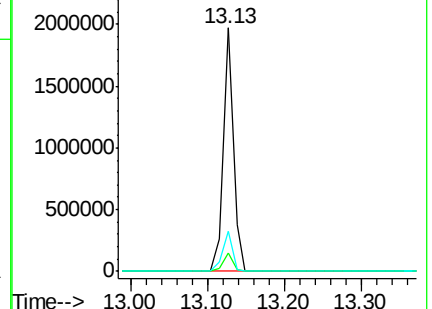
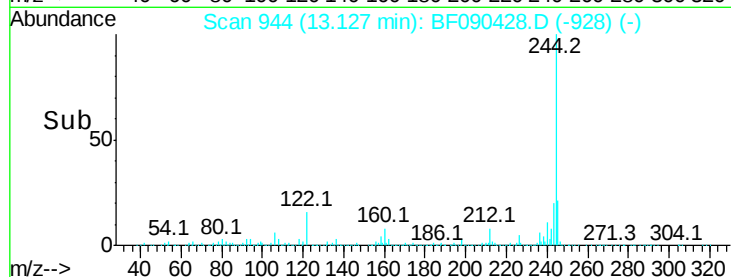
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Abundance Ion 244.00 (243.70 to 244.70): E

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

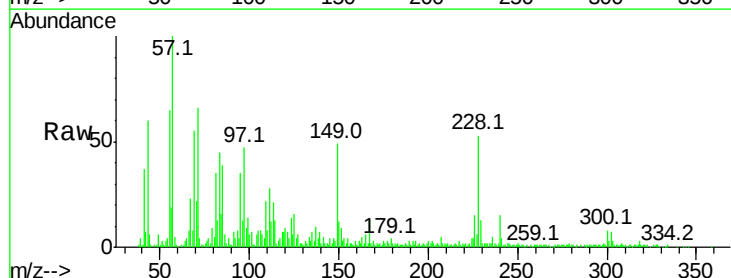
Tgt Ion:228 Resp: 67785

Ion Ratio Lower Upper

228 100

226 28.2 23.6 35.4

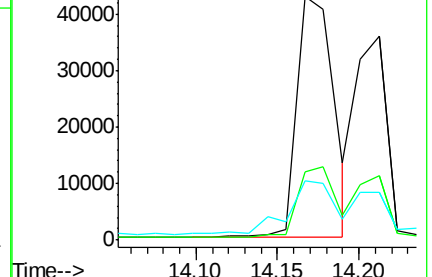
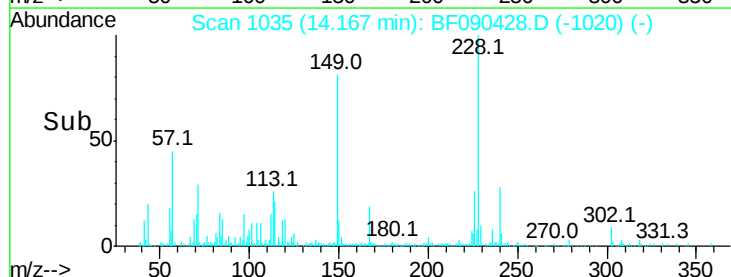
229 24.5 16.6 25.0

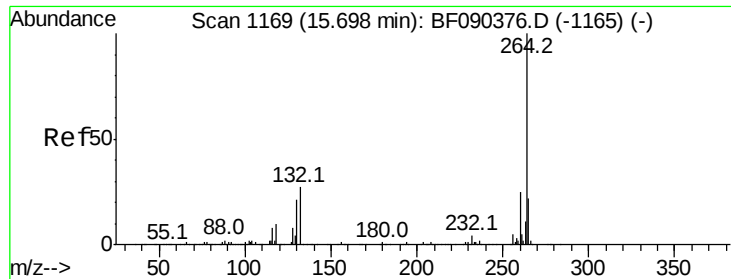


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





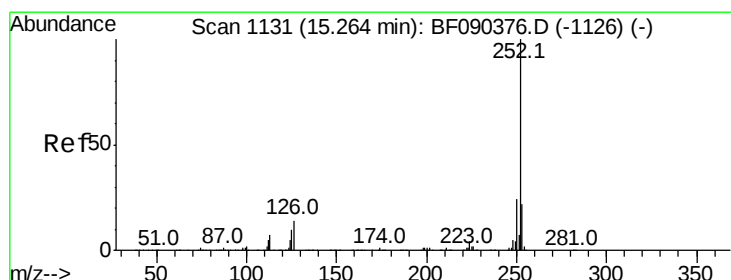
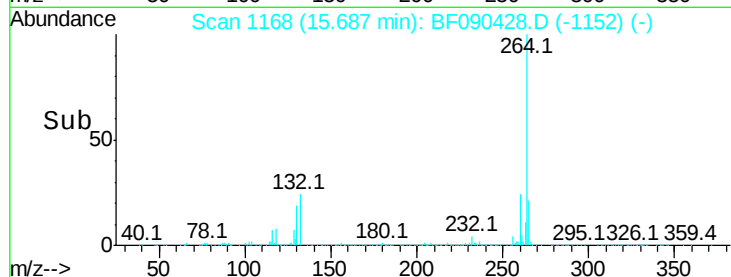
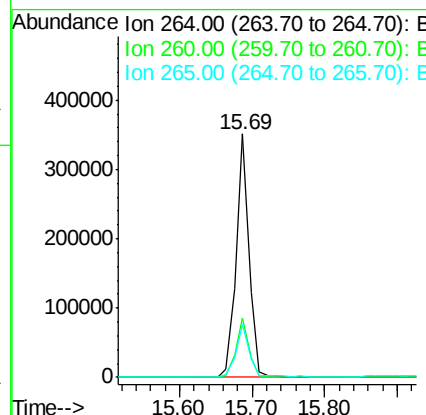
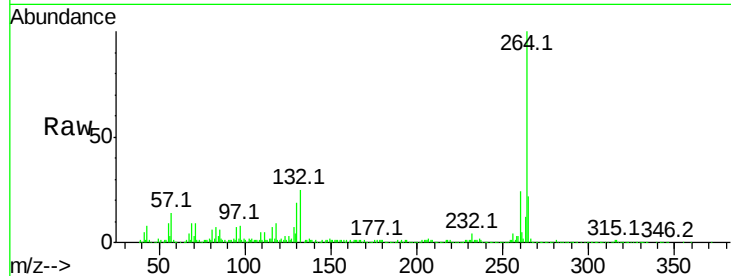
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

Instrument :
BNA_F
ClientSampleId :
IMPACT-MATERIALS-DGA

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	21.6	17.4	26.0

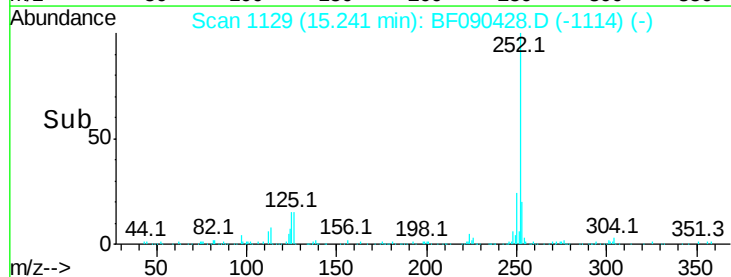
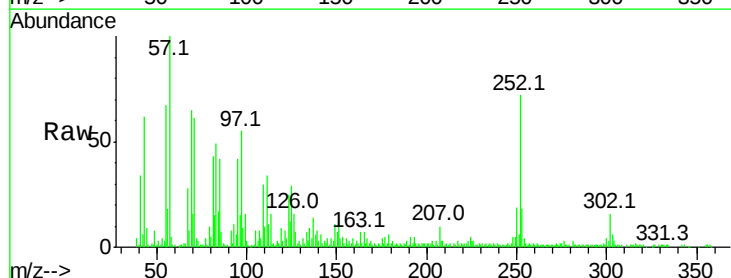
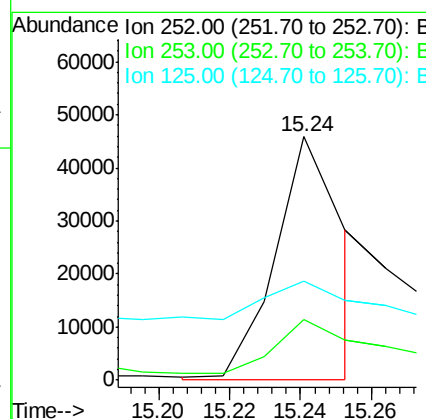
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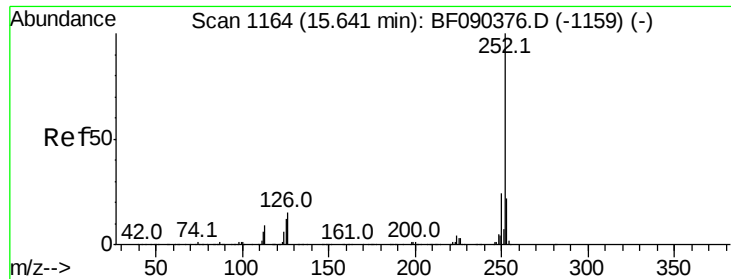
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#87
Benzo(b)fluoranthene
Concen: 2.24 ng m
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090428.D
Acq: 6 Oct 2016 19:53

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





#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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	37.9	9.8	14.8

Manual Integrations
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