

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091610.D
 Acq On : 15 Dec 2016 3:11
 Operator : UM/SJ
 Sample : H5994-01RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16RE

Manual Integrations
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Quant Time: Dec 15 07:00:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	247556	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	592851	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	297539	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	601454	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	529332	20.00	ng	-0.01
86) Perylene-d12	15.37	264	414152	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	2353141	160.14	ng	-0.01
7) Phenol-d6	6.44	99	3036241	165.75	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1403922	132.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	378675	153.23	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1608021	93.38	ng	0.00
78) Terphenyl-d14	12.91	244	1654579	70.93	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	117702	5.50	ng	# 17
49) Dimethylphthalate	9.57	163	218303	11.59	ng	# 77
57) Fluorene	10.40	166	179697	7.34	ng	# 79
70) Phenanthrene	11.34	178	247817	8.32	ng	# 95
74) Fluoranthene	12.54	202	257835	8.27	ng	96
77) Pyrene	12.76	202	245208	5.84	ng	96
80) Benzo(a)anthracene	13.94	228	104936	3.41	ng	93
82) Chrysene	13.97	228	70725m	2.20	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	76980	3.67	ng	# 88
87) Benzo(b)fluoranthene	14.97	252	91827m	3.72	ng	
89) Benzo(a)pyrene	15.30	252	55701	2.50	ng	# 74

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

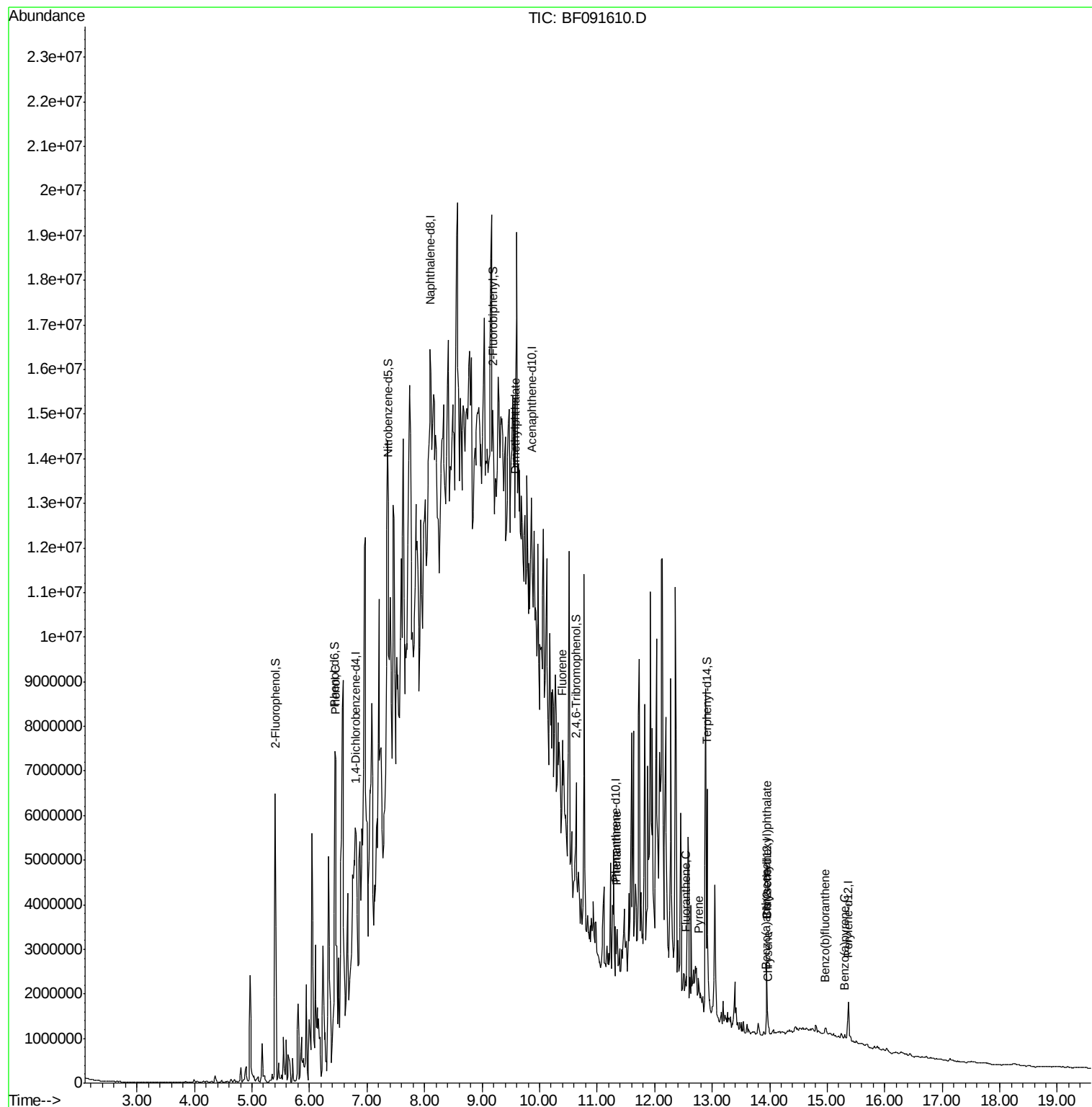
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091610.D
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Sample : H5994-01RE
Misc :
ALS Vial : 25 Sample Multiplier: 1

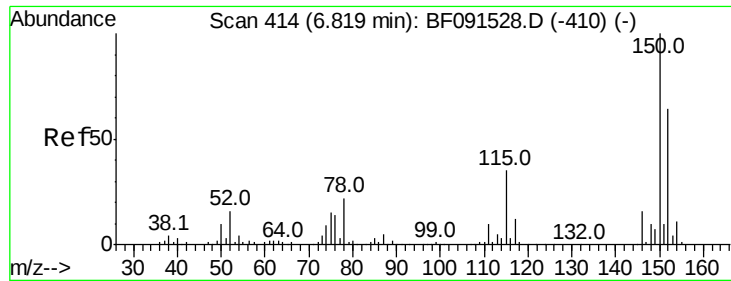
Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

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Quant Time: Dec 15 07:00:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion:152 Resp: 247556

Ion Ratio Lower Upper

152 100

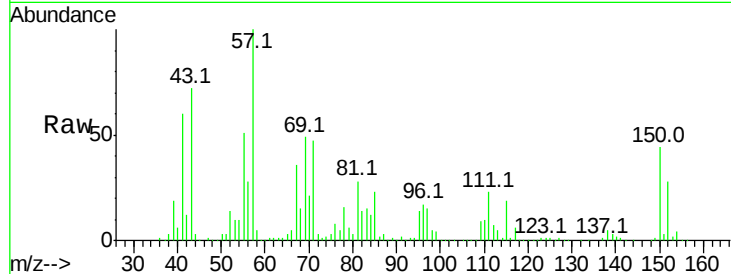
150 156.4 122.5 183.7

115 69.7 51.8 77.8

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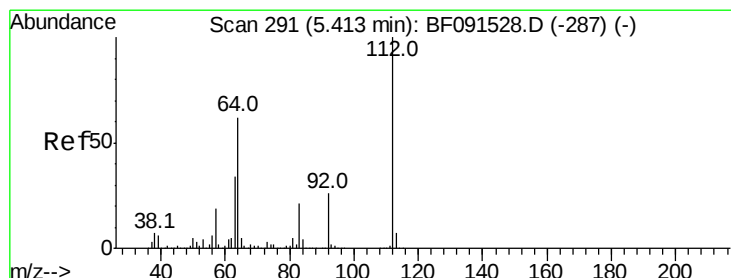
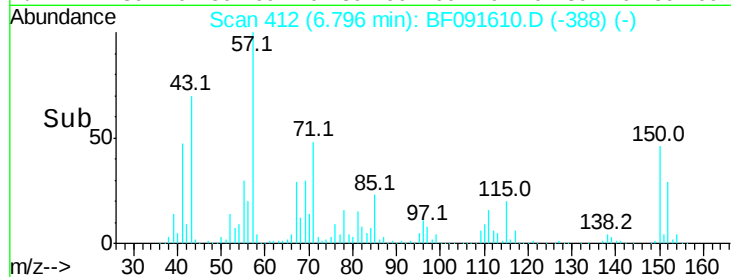
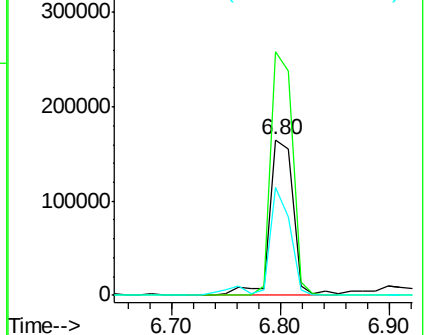
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 160.14 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

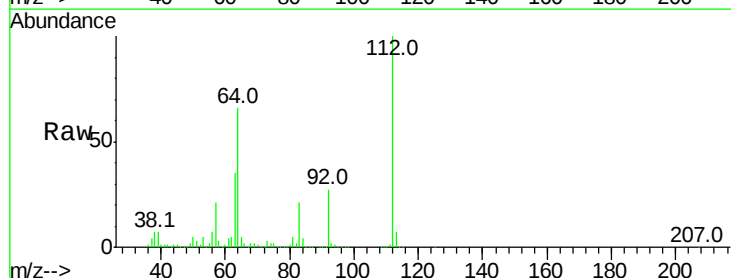
Tgt Ion:112 Resp: 2353141

Ion Ratio Lower Upper

112 100

64 66.3 61.5 92.3

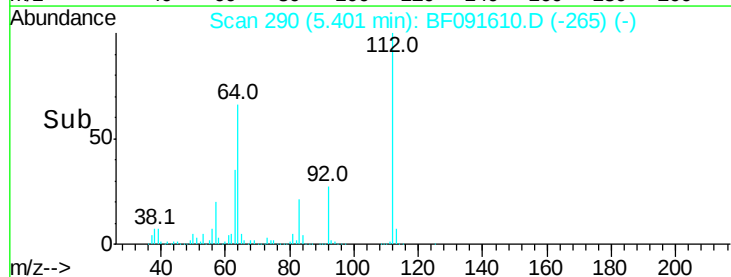
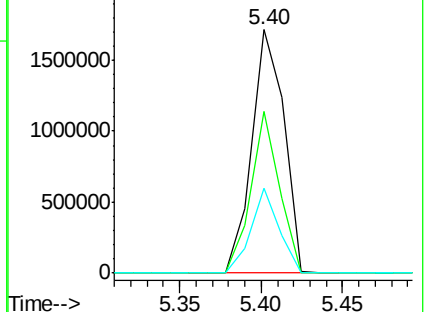
63 35.1 33.3 49.9

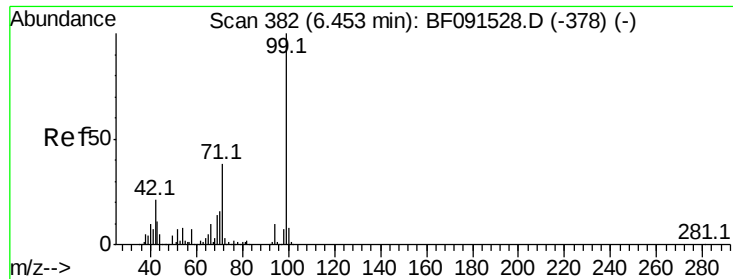


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 165.75 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion: 99 Resp: 3036241

Ion Ratio Lower Upper

99 100

42 22.1 20.6 31.0

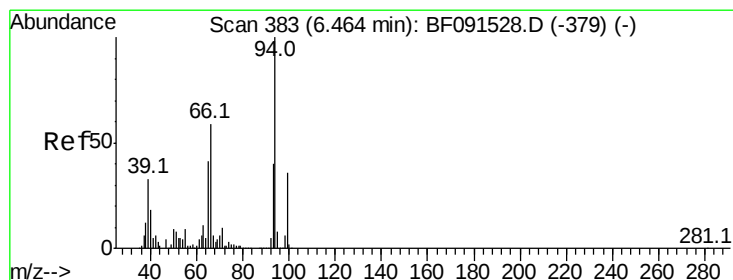
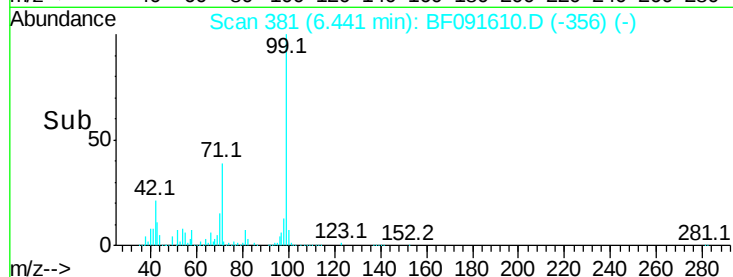
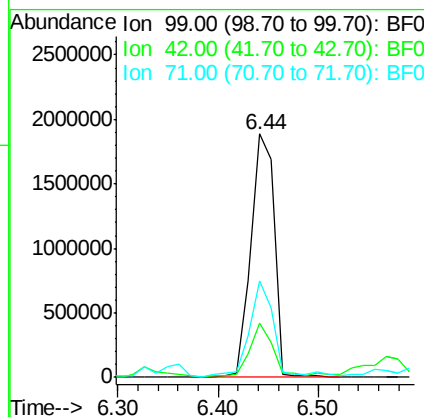
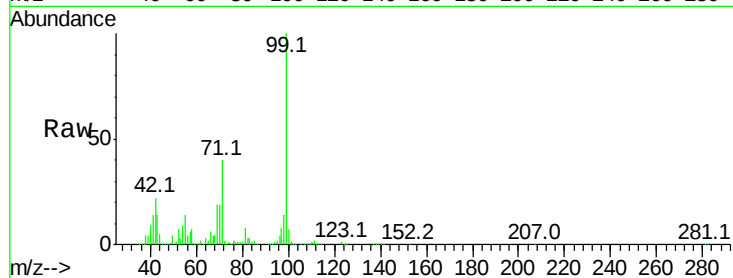
71 39.6 29.9 44.9

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#10

Phenol

Concen: 5.50 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

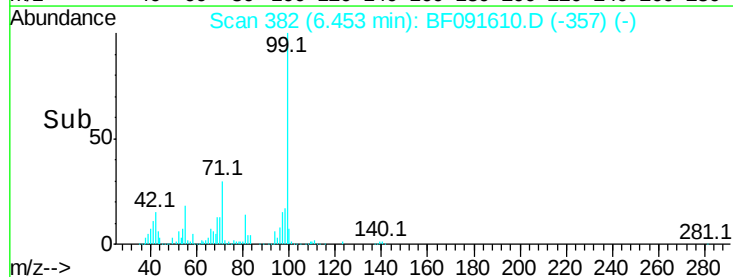
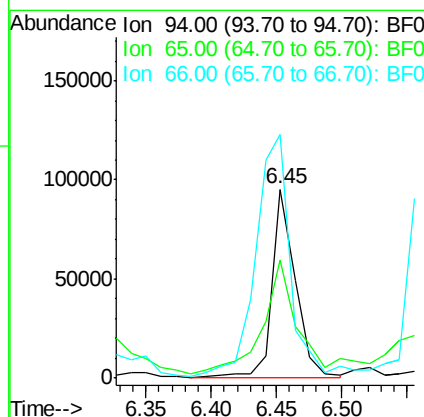
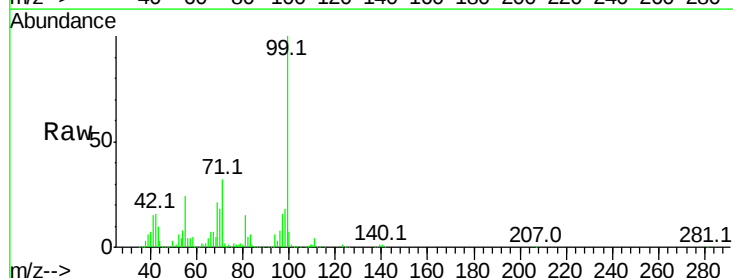
Tgt Ion: 94 Resp: 117702

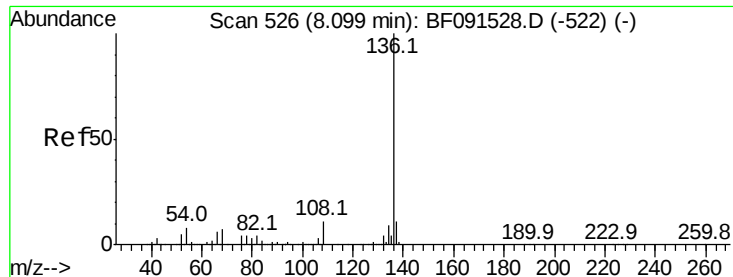
Ion Ratio Lower Upper

94 100

65 62.4 16.9 56.9#

66 128.9 30.6 70.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

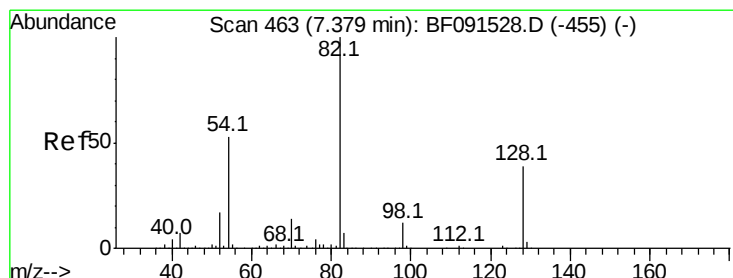
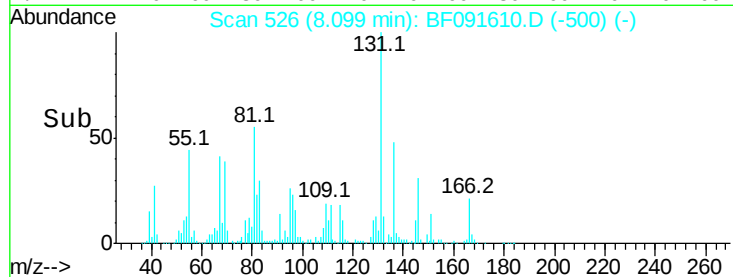
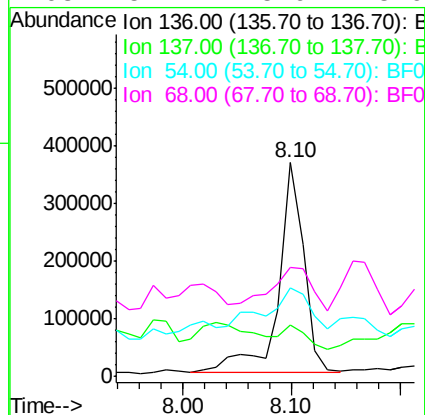
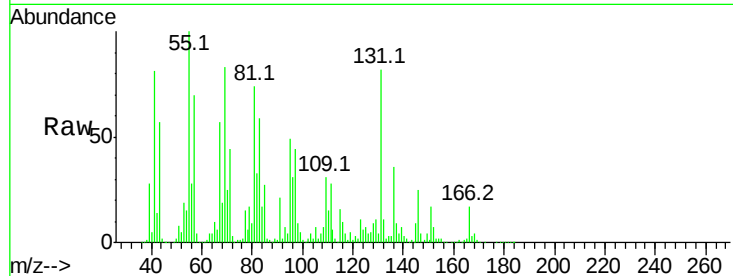
ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	24.1	9.1	13.7#	
54	41.3	9.1	13.7#	
68	51.1	5.9	8.9#	

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#23

Nitrobenzene-d5

Concen: 132.17 ng

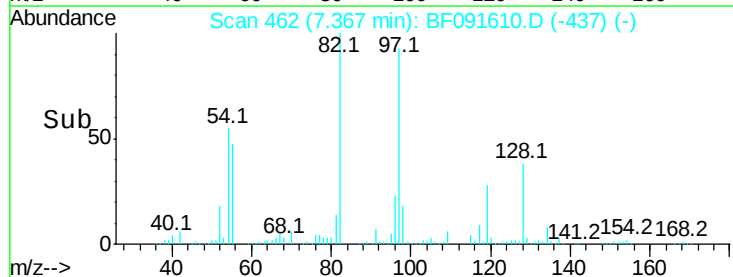
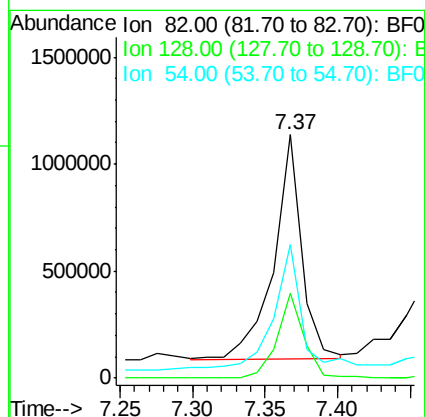
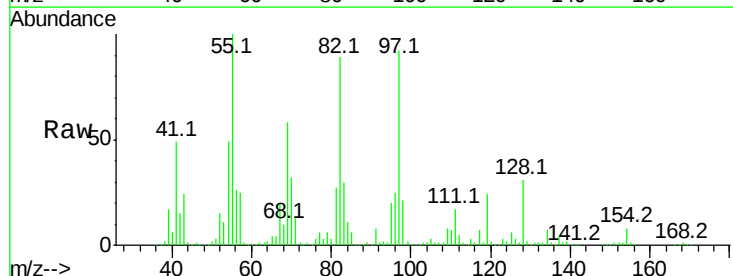
RT: 7.37 min Scan# 462

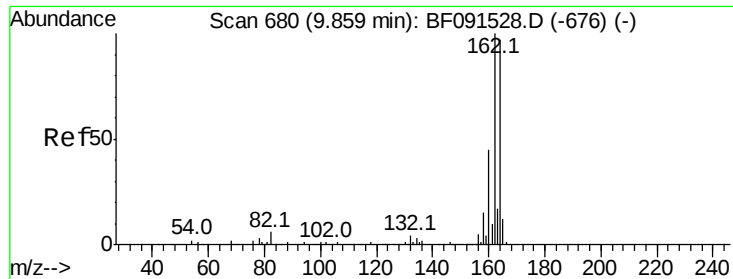
Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.0	31.8	47.6	
54	55.0	49.1	73.7	





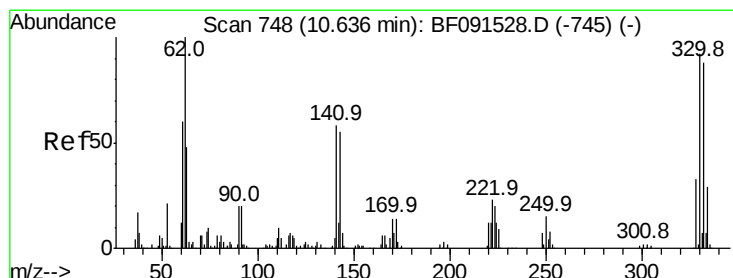
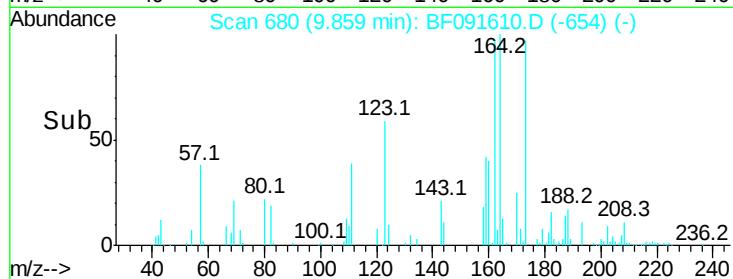
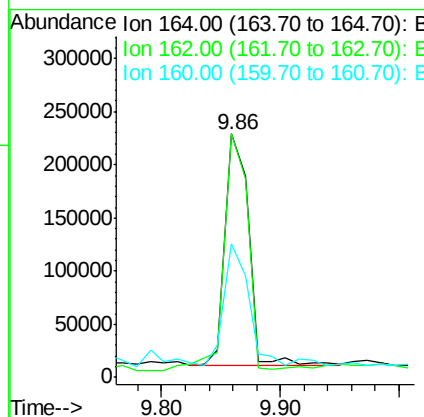
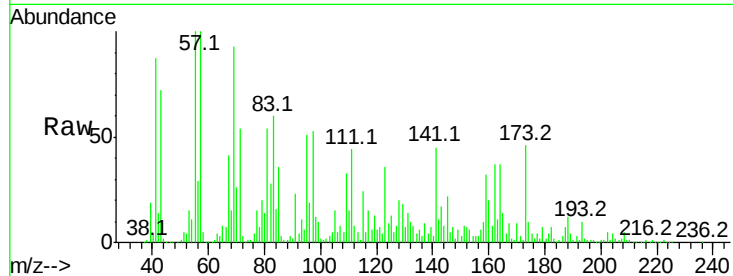
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

Tot Ion:164 Resp: 297539
Ion Ratio Lower Upper
164 100
162 99.9 82.6 124.0
160 54.8 36.7 55.1

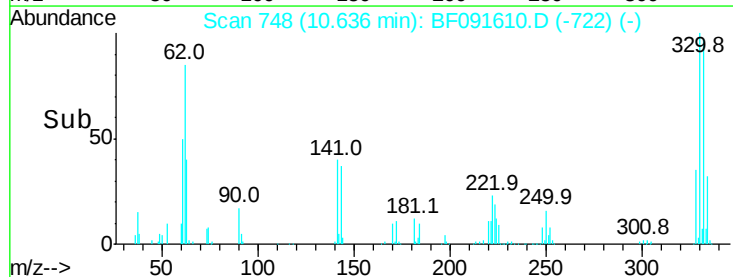
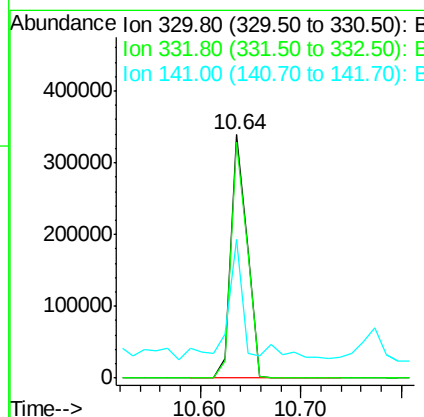
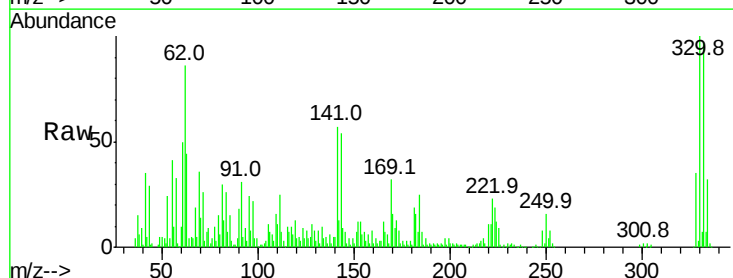
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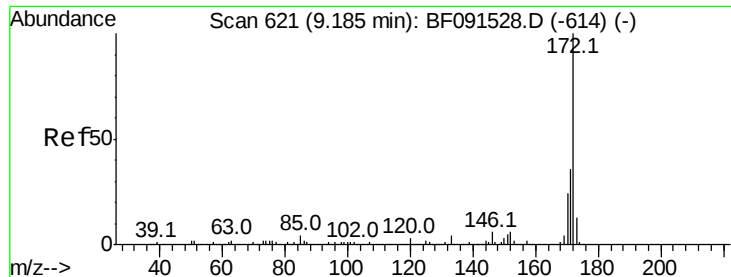
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#41
2,4,6-Tribromophenol
Concen: 153.23 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Tgt Ion:330 Resp: 378675
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 45.3 33.6 50.4





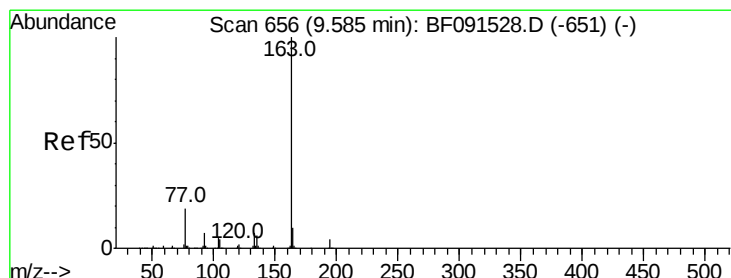
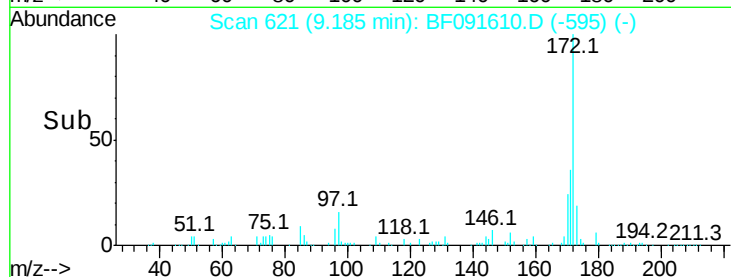
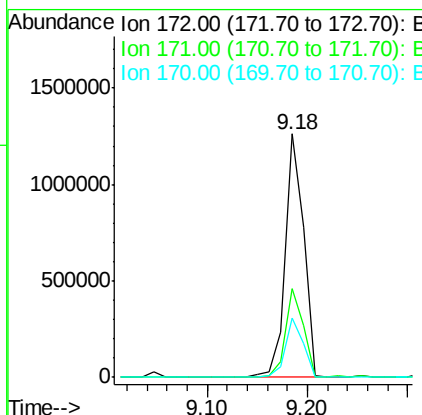
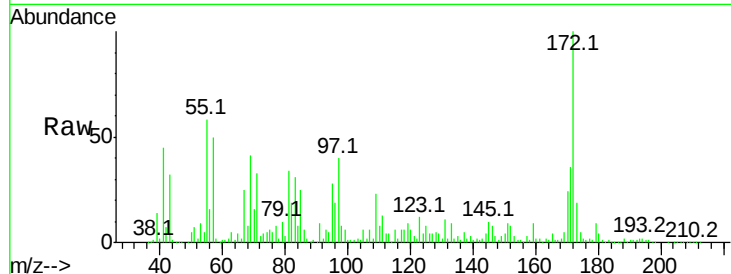
#44
2-Fluorobiphenyl
Concen: 93.38 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

Tot Ion:172 Resp: 1608021
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.2 19.7 29.5

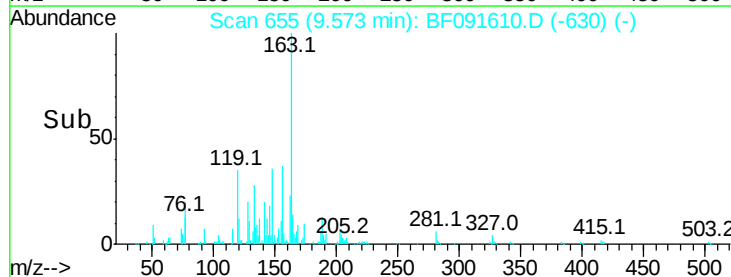
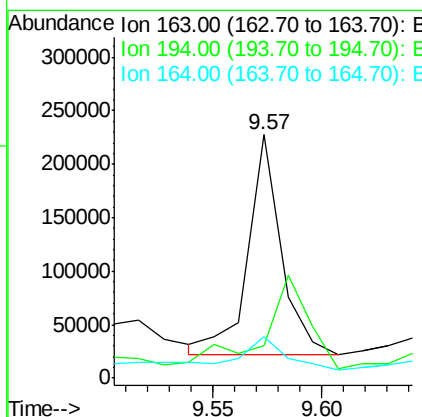
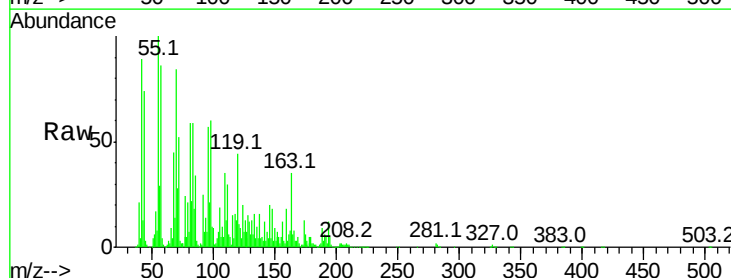
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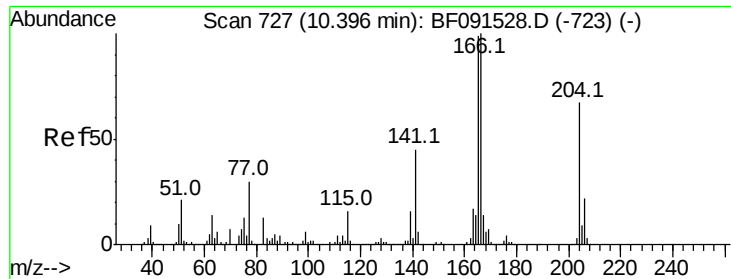
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#49
Dimethylphthalate
Concen: 11.59 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Tgt Ion:163 Resp: 218303
Ion Ratio Lower Upper
163 100
194 13.5 3.0 4.4#
164 17.2 7.8 11.8#





#57

Fluorene

Concen: 7.34 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

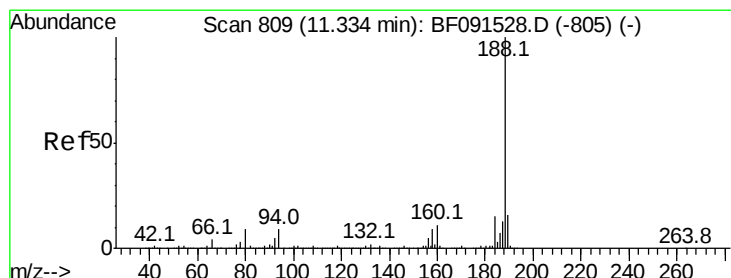
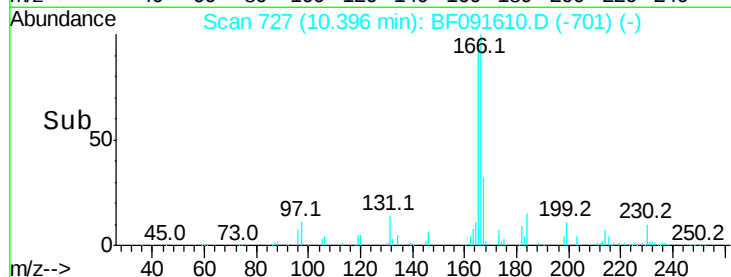
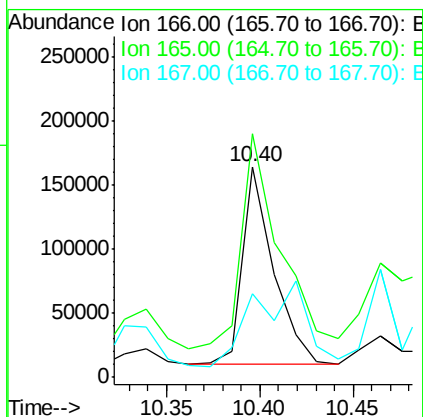
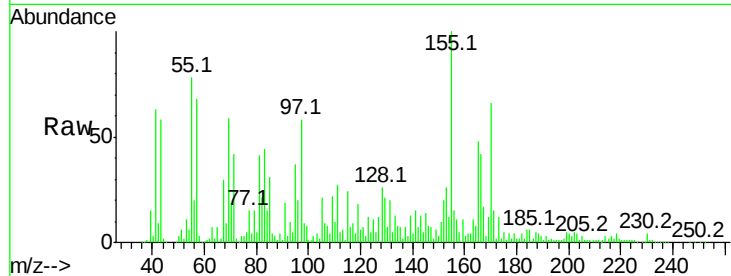
ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	115.5	80.0	120.0
167	39.7	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

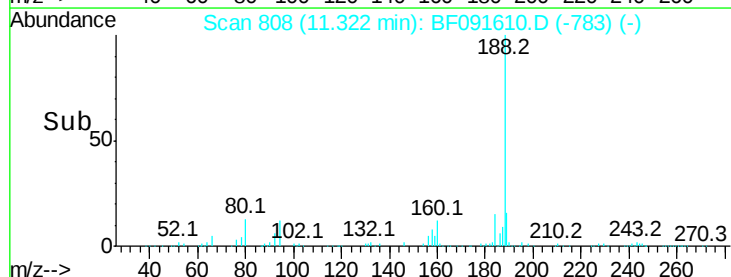
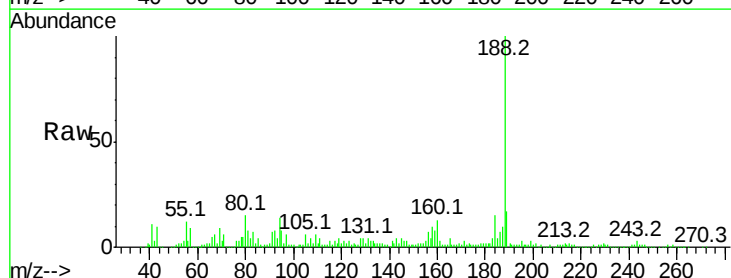
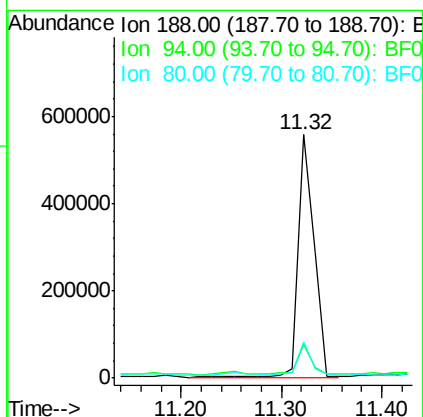
RT: 11.32 min Scan# 808

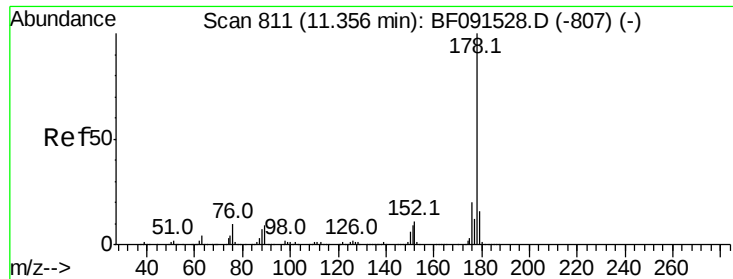
Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.8	9.2	13.8
80	14.8	10.5	15.7





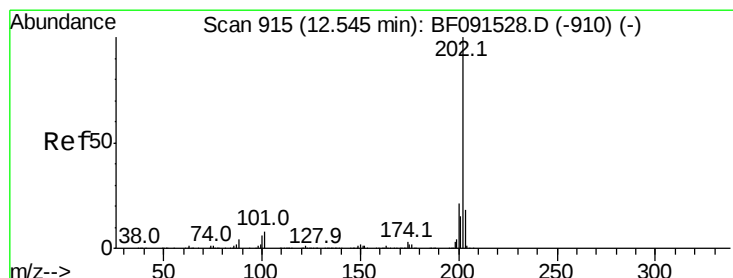
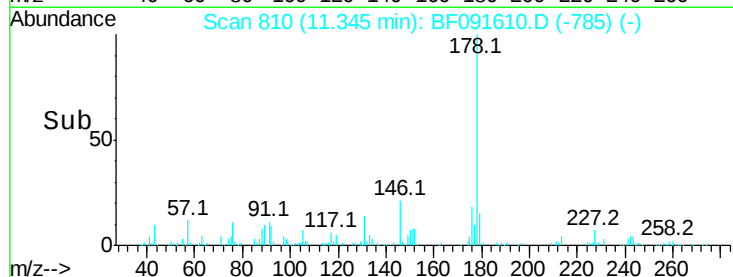
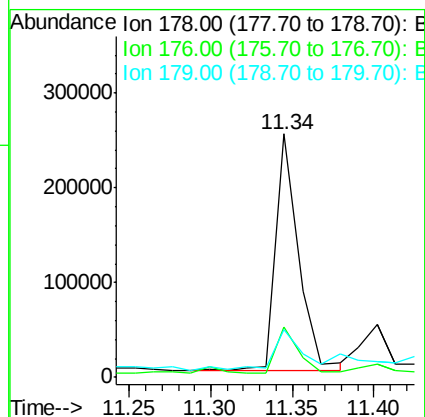
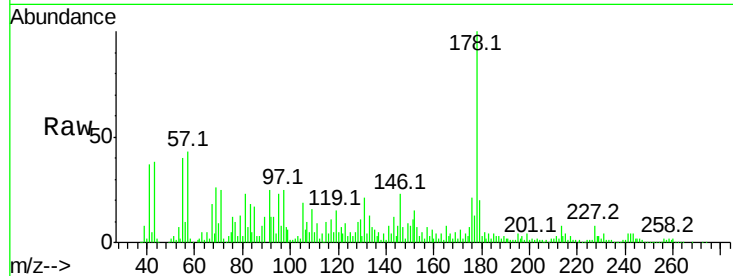
#70
Phenanthrene
Concen: 8.32 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.9	23.9
179	19.5	12.6	18.8

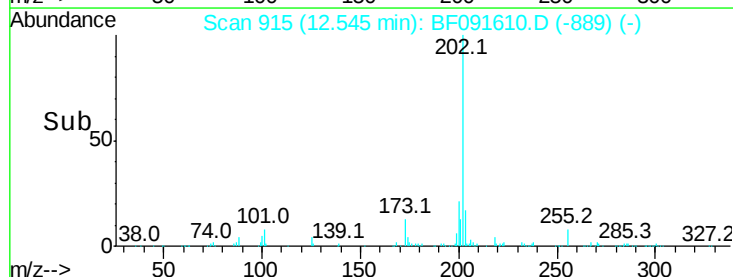
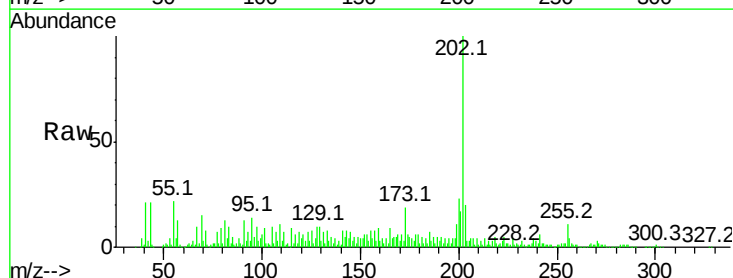
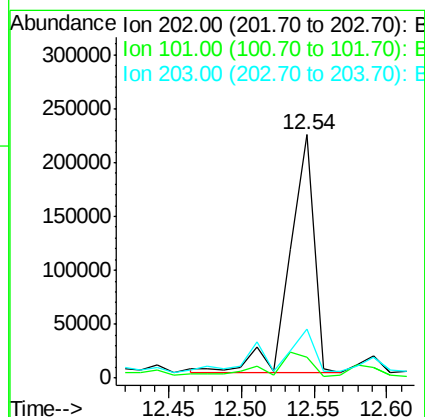
Manual Integrations
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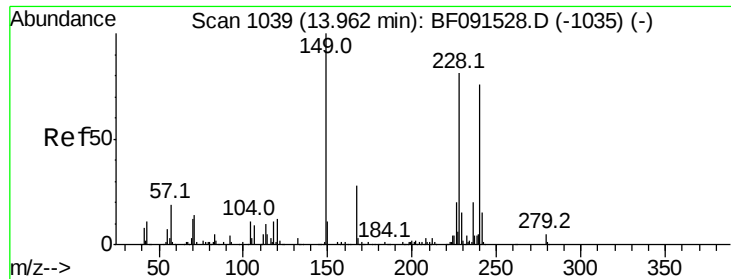
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#74
Fluoranthene
Concen: 8.27 ng
RT: 12.54 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.5
203	20.0	0.0	37.8





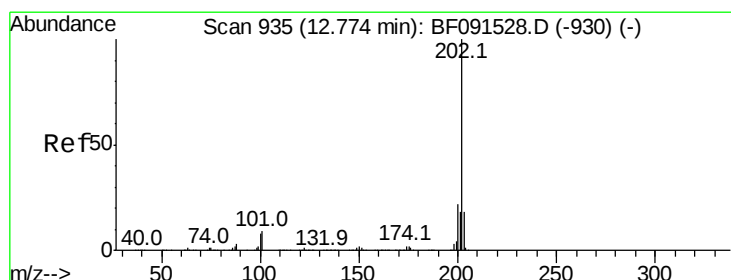
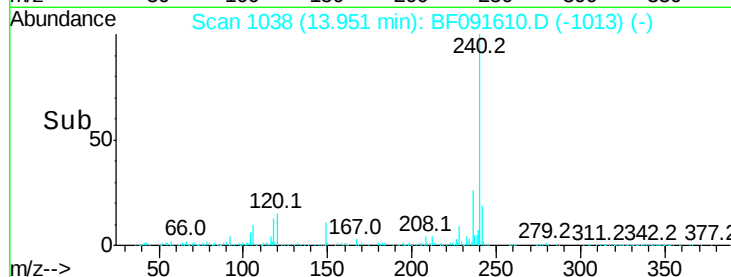
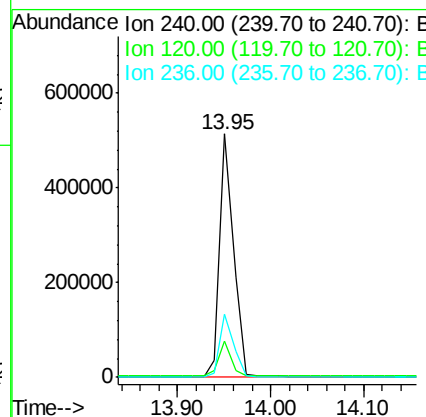
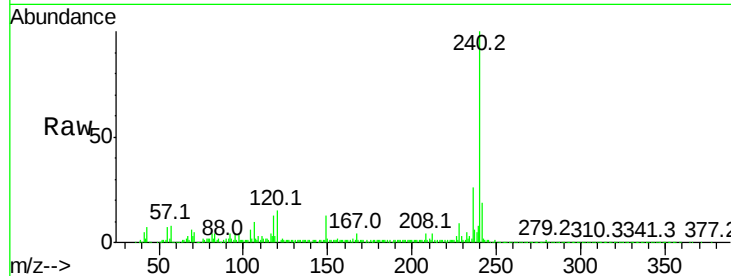
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	12.1	18.1
236	26.0	21.0	31.6

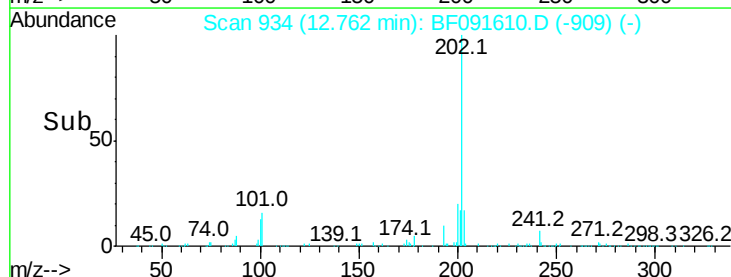
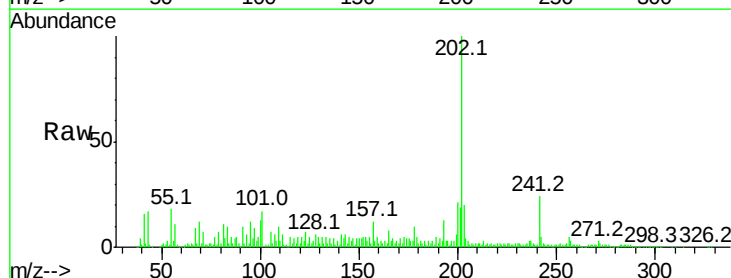
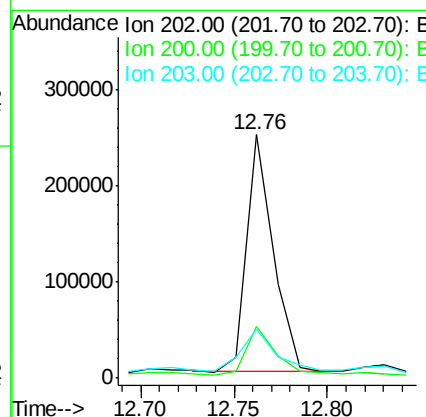
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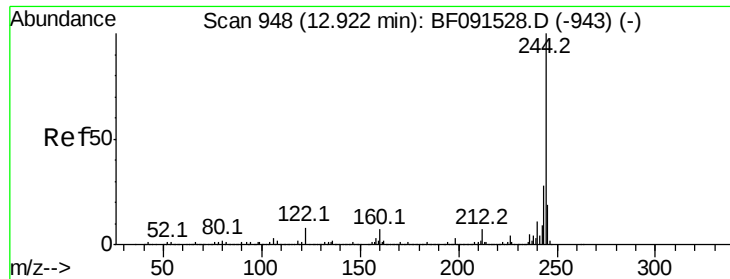
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#77
Pyrene
Concen: 5.84 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	20.3	14.0	21.0





#78

Terphenyl-d14

Concen: 70.93 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion:244 Resp: 1654579

Ion Ratio Lower Upper

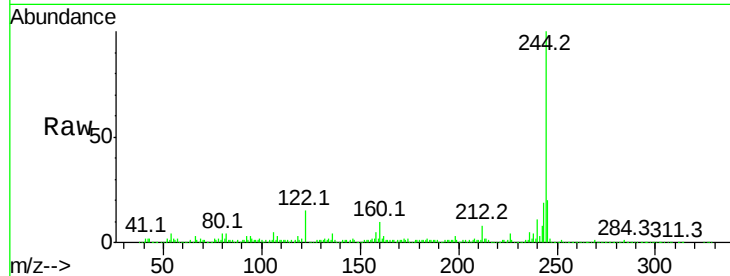
244 100

212 7.9 6.5 9.7

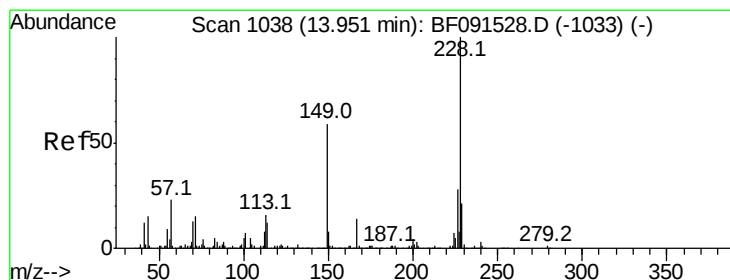
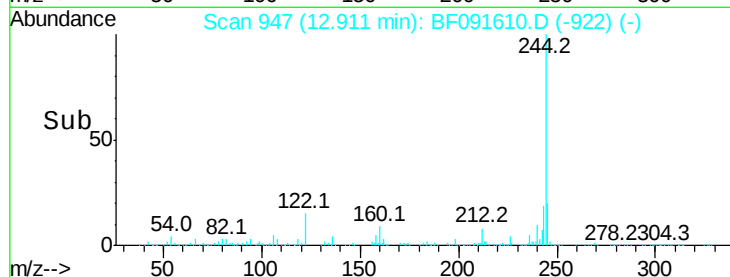
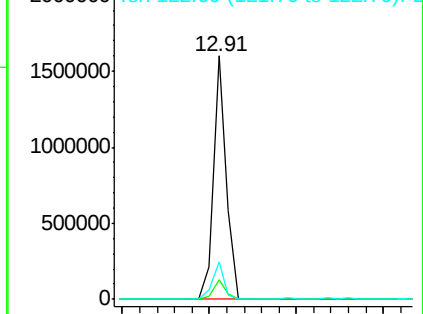
122 15.3 9.5 14.3#

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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: 3.41 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

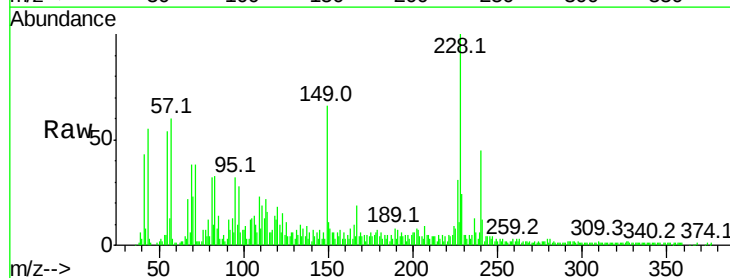
Tgt Ion:228 Resp: 104936

Ion Ratio Lower Upper

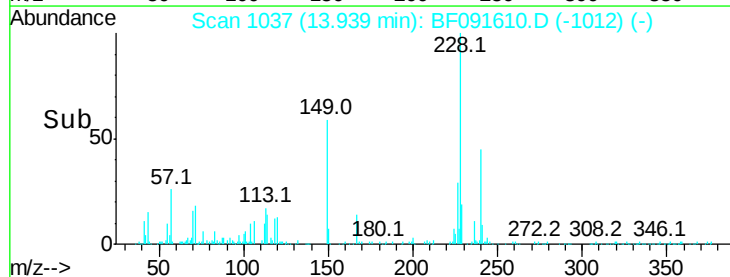
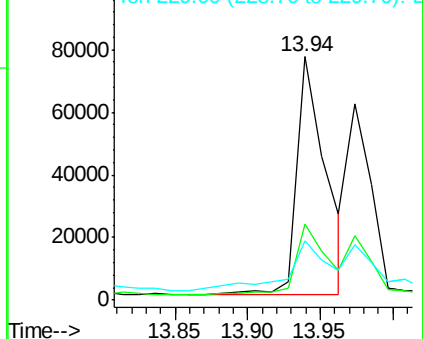
228 100

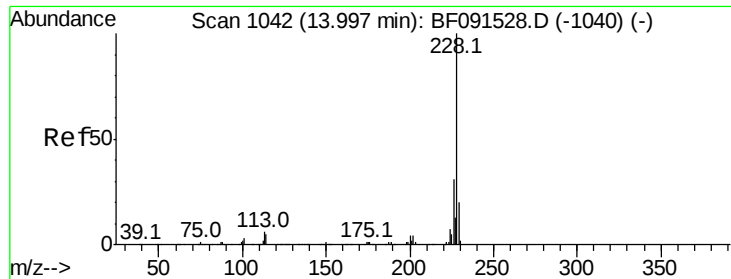
226 31.4 22.5 33.7

229 24.3 16.4 24.6



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: 2.20 ng/mL

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument:

BNA_F

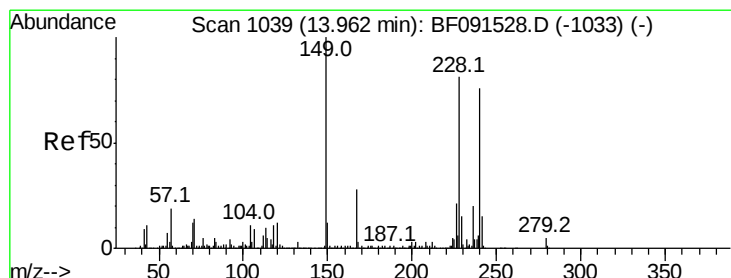
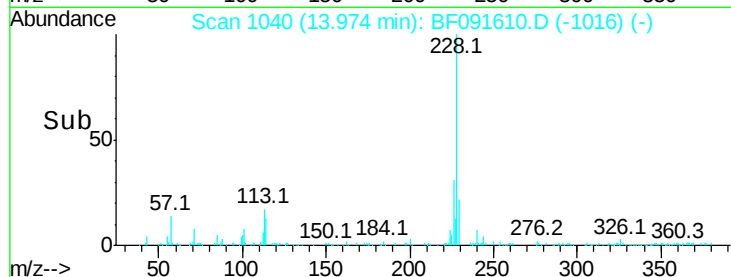
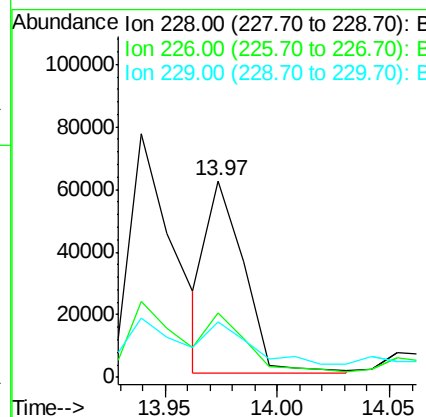
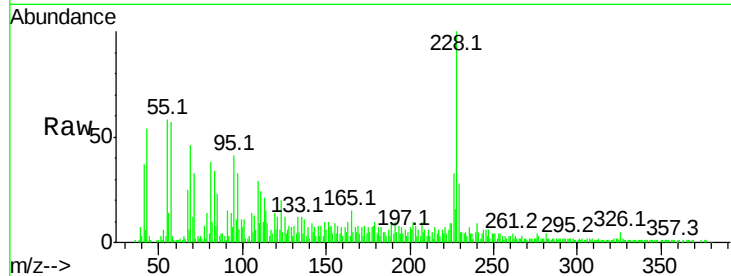
ClientSampleID:

SB-47(6-8)-12-8-16RE

Tot Ion:	228	Resp:	70725
Ion Ratio	Lower	Upper	
228	100		
226	33.0	25.0	37.4
229	28.0	16.0	24.0#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.67 ng/mL

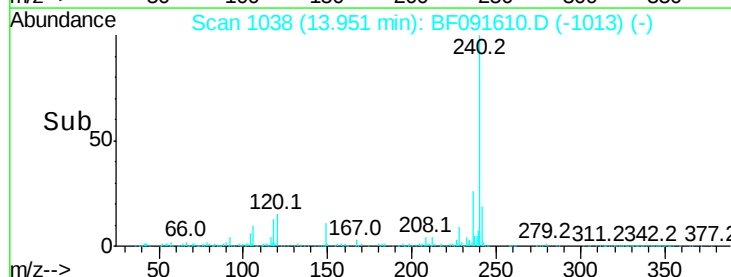
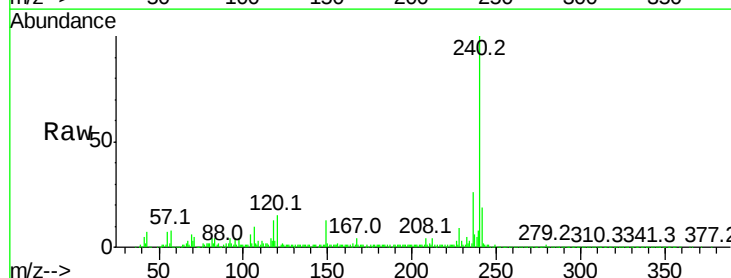
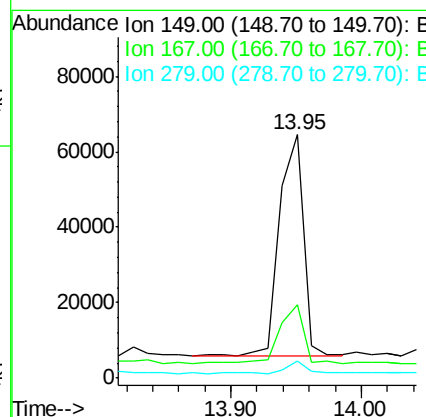
RT: 13.95 min Scan# 1038

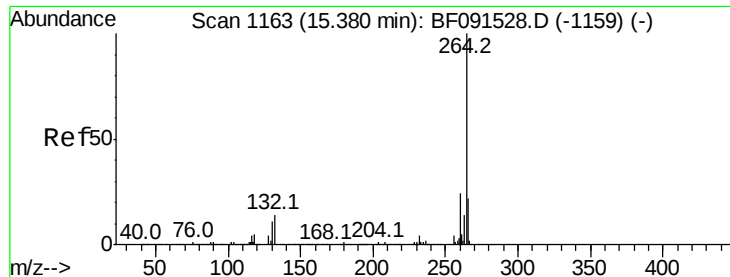
Delta R.T. -0.01 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Tgt Ion:	149	Resp:	76980
Ion Ratio	Lower	Upper	
149	100		
167	30.4	19.6	29.4#
279	7.0	1.9	2.9#





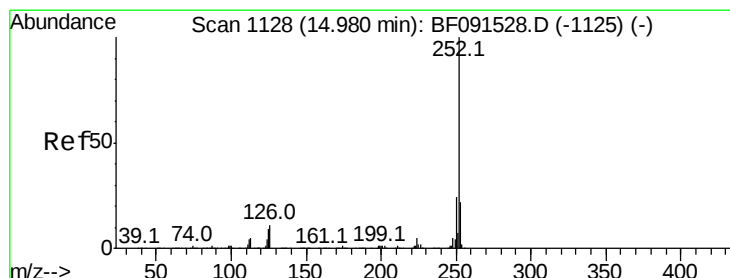
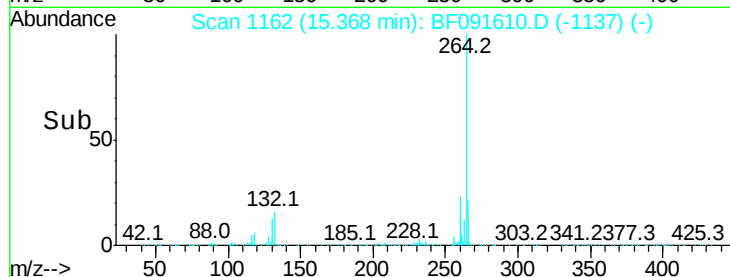
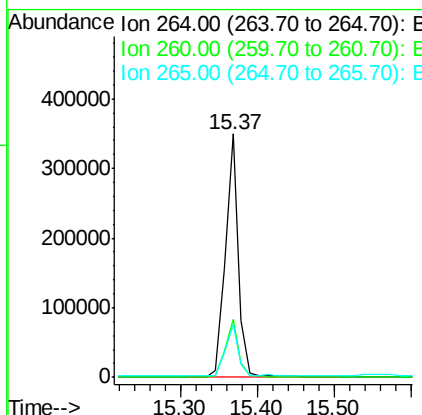
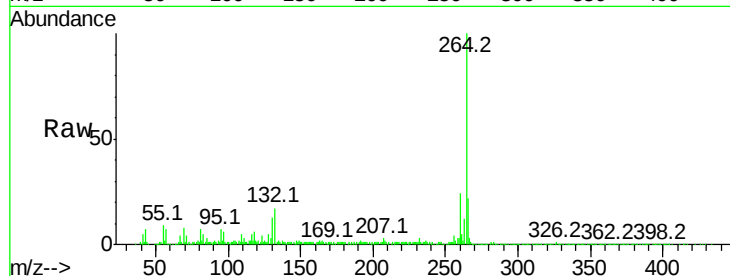
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.8	17.0	25.6

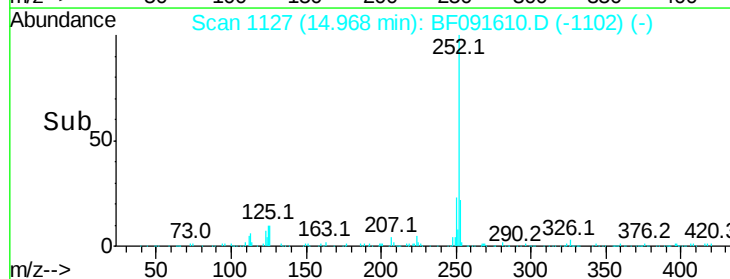
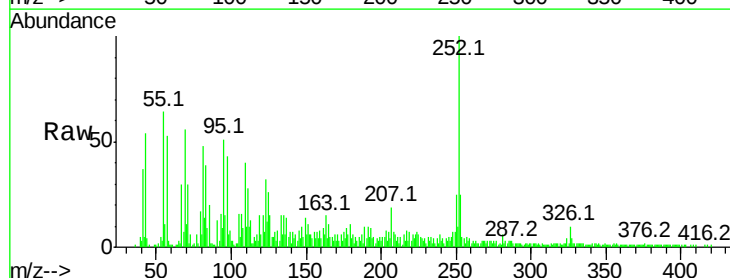
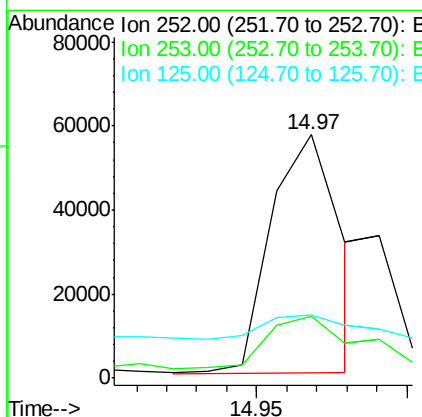
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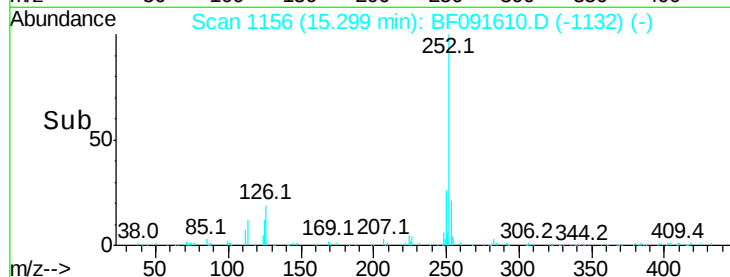
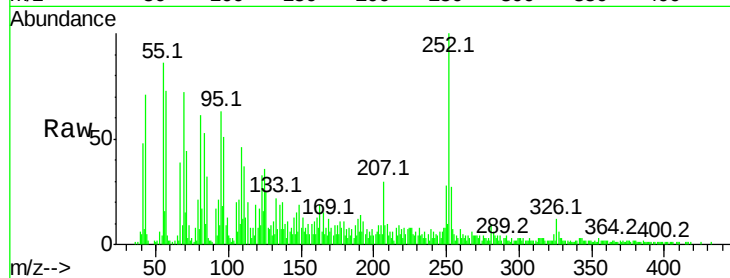
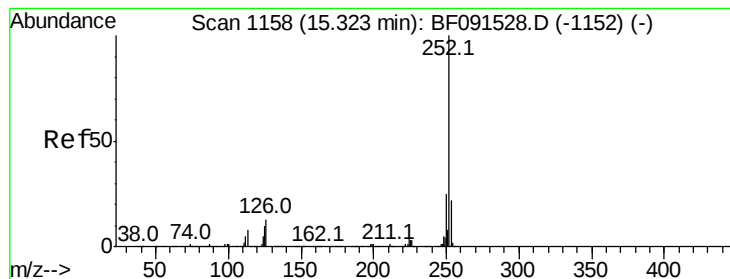
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#87
Benzo(b)fluoranthene
Concen: 3.72 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091610.D
Acq: 15 Dec 2016 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	26.1	8.6	13.0





#89

Benzo(a)pyrene

Concen: 2.50 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.02 min

Lab File: BF091610.D

Acq: 15 Dec 2016 3:11

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16RE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	27.1	18.2	27.4
125	35.5	10.4	15.6

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