

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
 Data File : BF091804.D
 Acq On : 20 Dec 2016 5:34
 Operator : UM/SJ
 Sample : H6125-05RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45(8-9)-12-14-16RE

Manual Integrations
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Quant Time: Dec 20 06:34:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	161905m	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	406444m	20.00	ng	0.03
38) Acenaphthene-d10	9.86	164	191635	20.00	ng	0.05
63) Phenanthrene-d10	11.30	188	534154	20.00	ng	0.01
75) Chrysene-d12	13.93	240	426540	20.00	ng	0.00
86) Perylene-d12	15.32	264	391940	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1388985	143.73	ng	0.00
7) Phenol-d6	6.42	99	1439875	122.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	1007512m	142.95	ng	0.01
41) 2,4,6-Tribromophenol	10.61	330	229473	141.22	ng	0.01
44) 2-Fluorobiphenyl	9.18	172	508675	53.33	ng	0.05
78) Terphenyl-d14	12.89	244	833641	49.35	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.84	142	2689650m	219.71	ng	
57) Fluorene	10.38	166	317814	31.52	ng	# 83
70) Phenanthrene	11.32	178	380709	14.26	ng	# 95
71) Anthracene	11.37	178	77102	2.73	ng	# 71
74) Fluoranthene	12.52	202	272350m	9.77	ng	
77) Pyrene	12.74	202	193996	6.30	ng	# 87
80) Benzo(a)anthracene	13.92	228	67996m	2.79	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	184472	10.09	ng	# 82

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

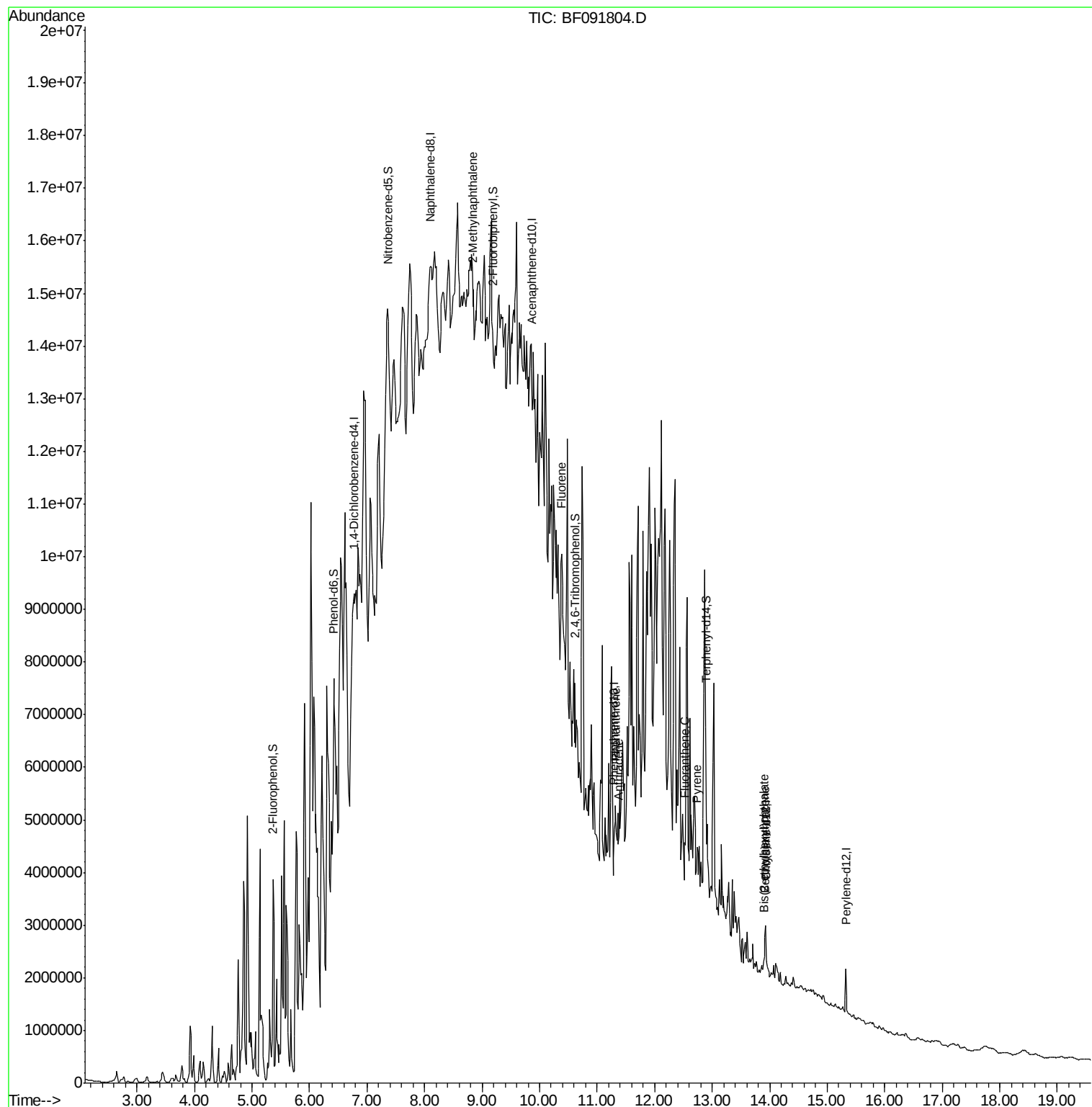
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091804.D
Acq On : 20 Dec 2016 5:34
Operator : UM/SJ
Sample : H6125-05RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

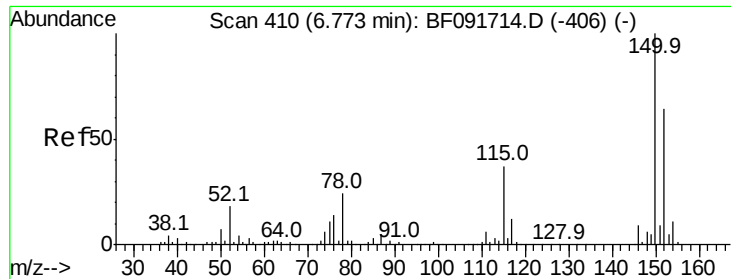
Instrument :
BNA_F
ClientSampleId :
SB-45(8-9)-12-14-16RE

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Quant Time: Dec 20 06:34:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

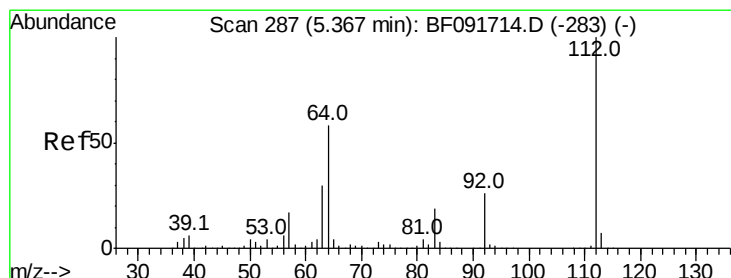
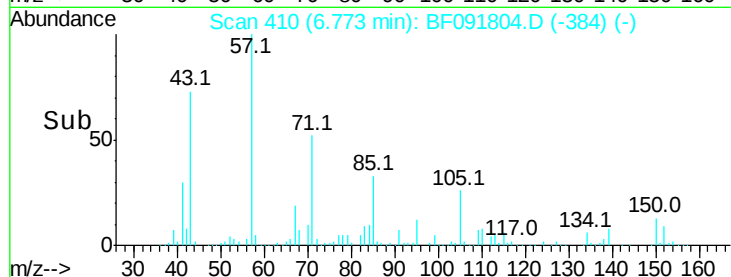
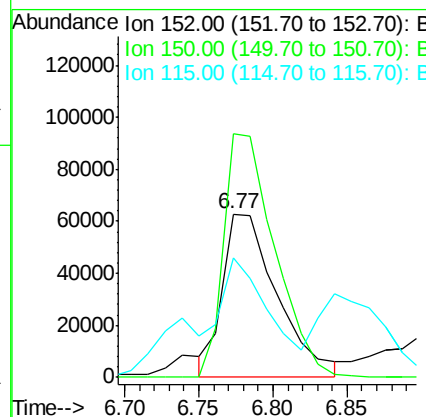
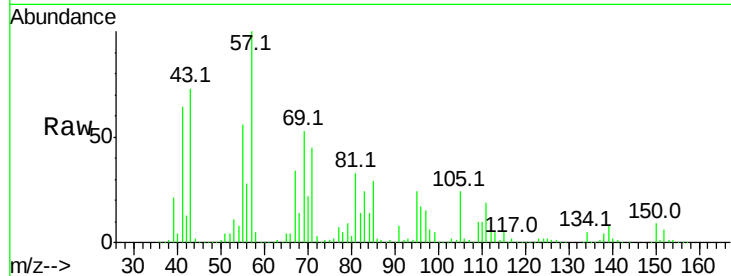
ClientSampleId :

SB-45(8-9)-12-14-16RE

Tot Ion:	152	Resp:	161905
Ion Ratio	Lower	Upper	
152	100		
150	149.3	124.9	187.3
115	73.1	46.0	69.0#

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#5

2-Fluorophenol

Concen: 143.73 ng

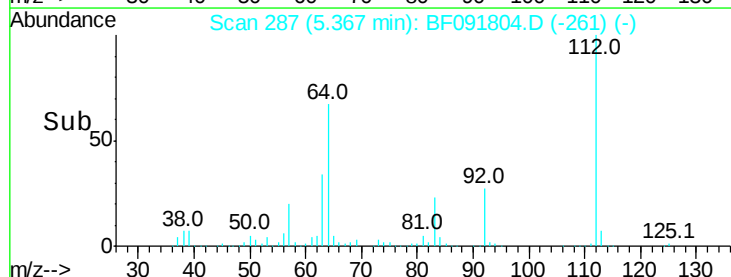
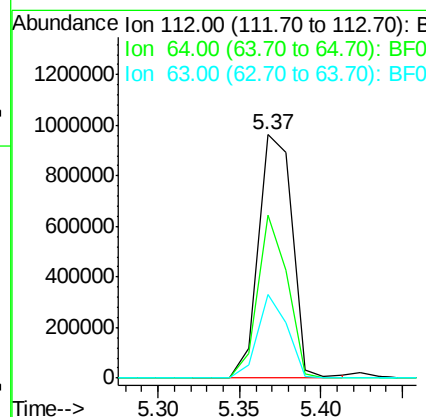
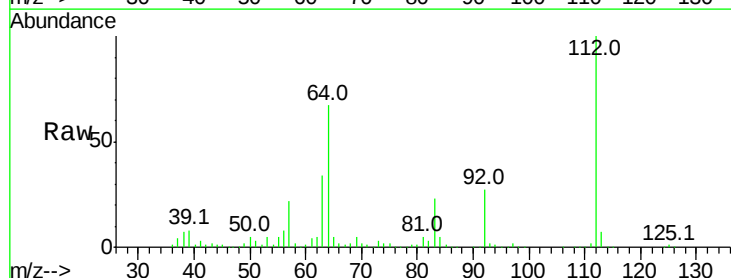
RT: 5.37 min Scan# 287

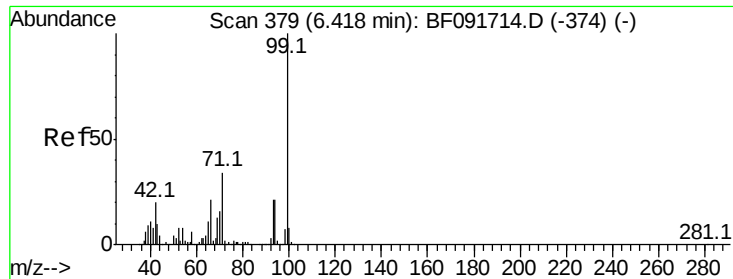
Delta R.T. 0.00 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Tgt Ion:	112	Resp:	1388985
Ion Ratio	Lower	Upper	
112	100		
64	67.0	46.1	69.1
63	34.5	23.8	35.6





#7

Phenol-d6

Concen: 122.17 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

ClientSampleId :

SB-45(8-9)-12-14-16RE

Tot Ion: 99 Resp: 1439875

Ion Ratio Lower Upper

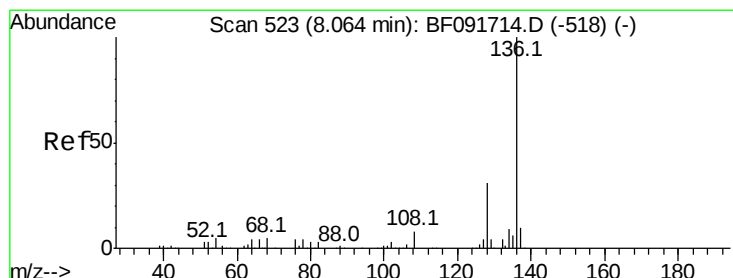
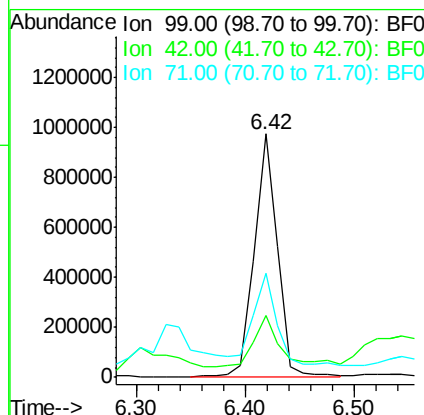
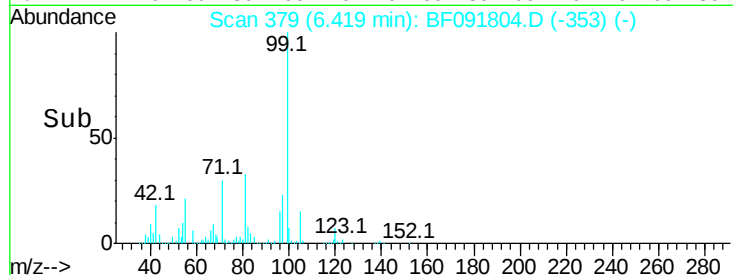
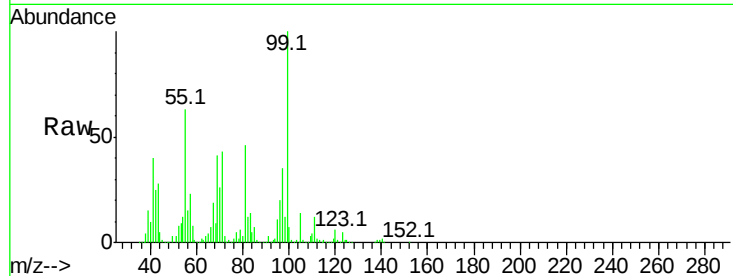
99 100

42 25.2 15.6 23.4#

71 42.6 27.5 41.3#

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#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 8.10 min Scan# 526

Delta R.T. 0.03 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Tgt Ion: 136 Resp: 406444

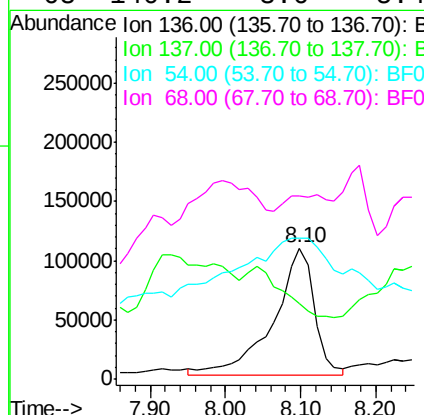
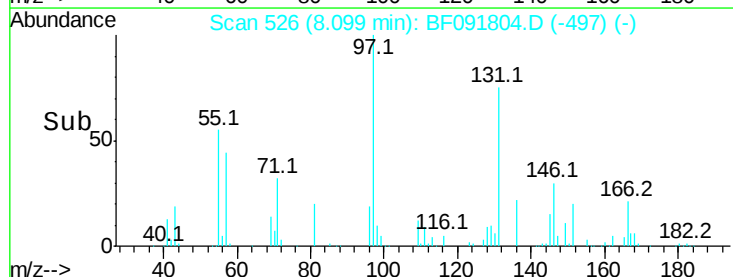
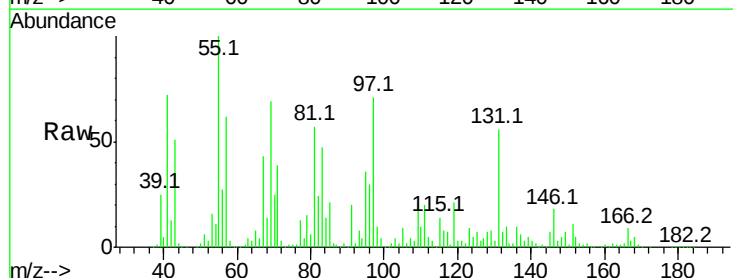
Ion Ratio Lower Upper

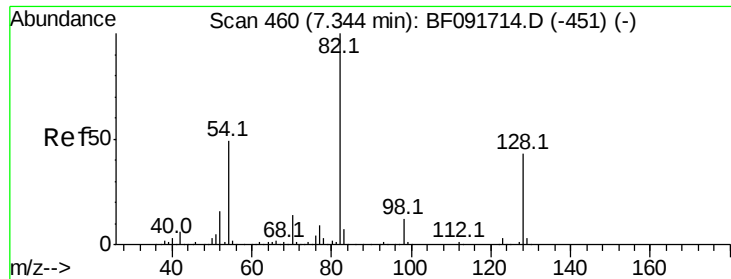
136 100

137 57.9 8.4 12.6#

54 107.2 4.5 6.7#

68 140.2 3.6 5.4#





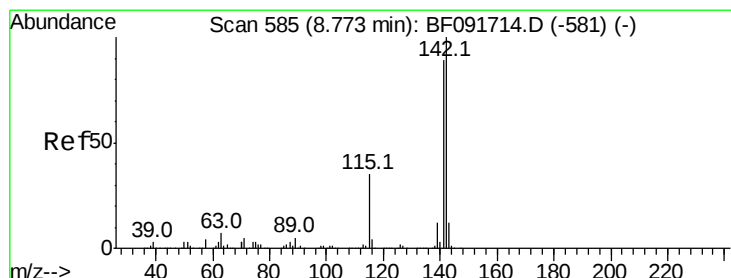
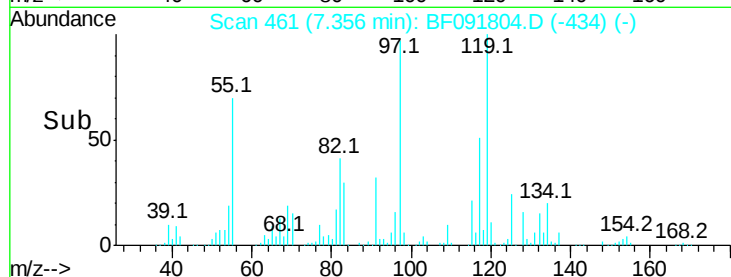
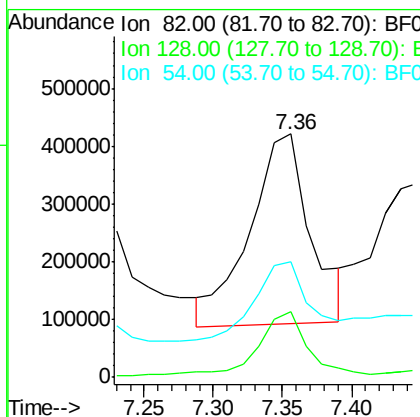
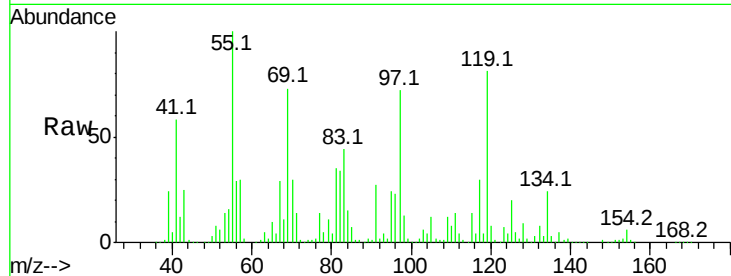
#23
Nitrobenzene-d5
Concen: 142.95 ng m
RT: 7.36 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF091804.D
Acq: 20 Dec 2016 5:34

Instrument :
BNA_F
ClientSampleId :
SB-45(8-9)-12-14-16RE

Tot Ion: 82 Resp: 1007512
Ion Ratio Lower Upper
82 100
128 26.7 34.6 52.0#
54 47.3 39.5 59.3

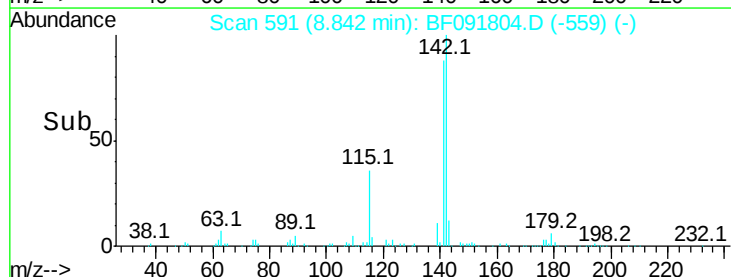
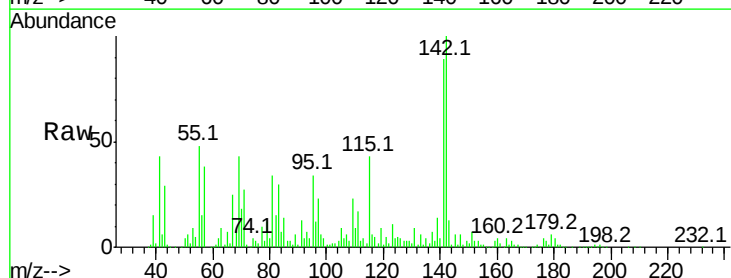
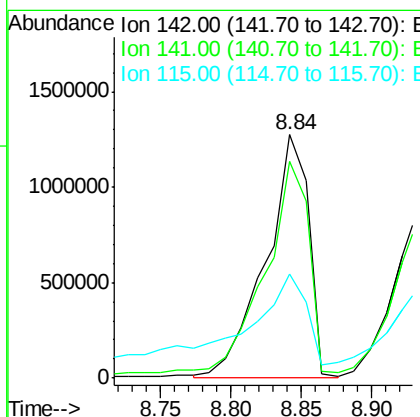
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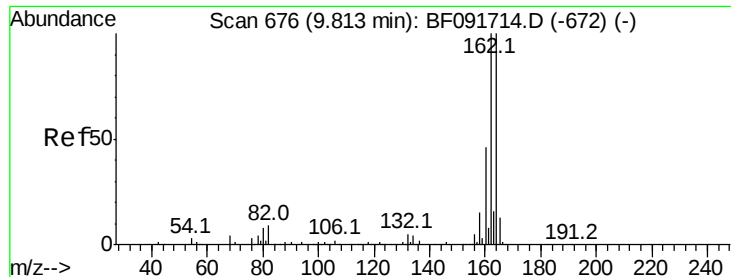
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#37
2-Methylnaphthalene
Concen: 219.71 ng m
RT: 8.84 min Scan# 591
Delta R.T. 0.07 min
Lab File: BF091804.D
Acq: 20 Dec 2016 5:34

Tgt Ion: 142 Resp: 2689650
Ion Ratio Lower Upper
142 100
141 89.0 71.0 106.6
115 42.8 28.3 42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.05 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

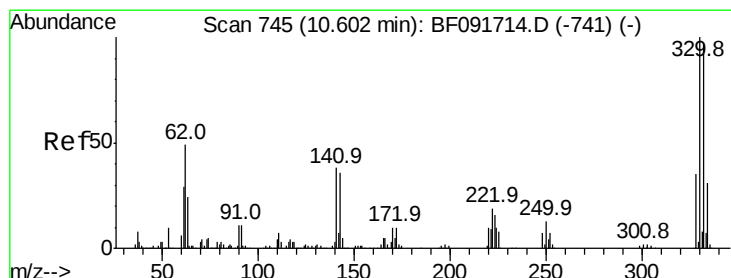
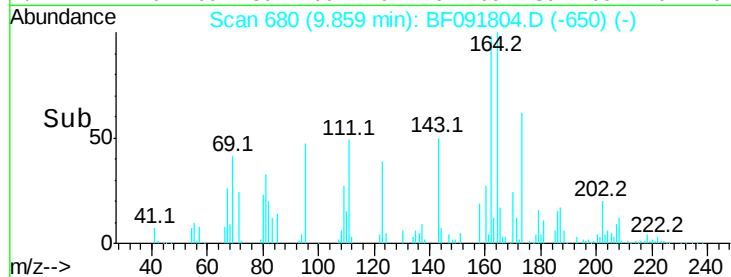
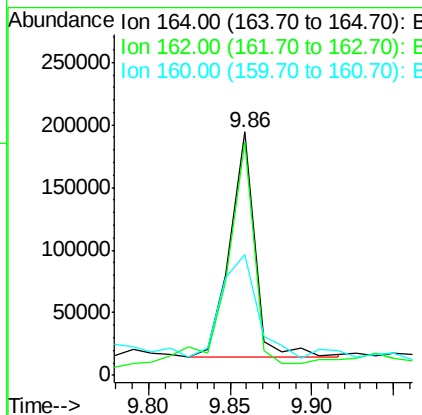
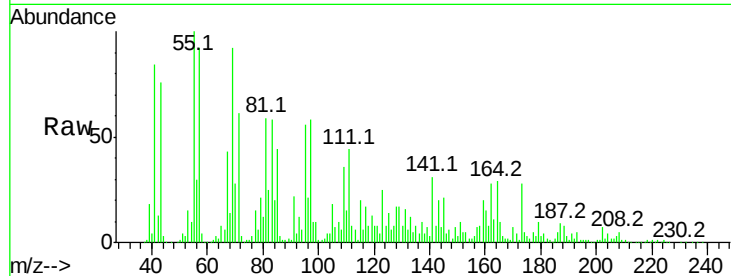
ClientSampleId :

SB-45(8-9)-12-14-16RE

Tot Ion:	164	Resp:	191635
Ion Ratio	Lower	Upper	
164	100		
162	96.0	80.2	120.2
160	49.3	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 141.22 ng

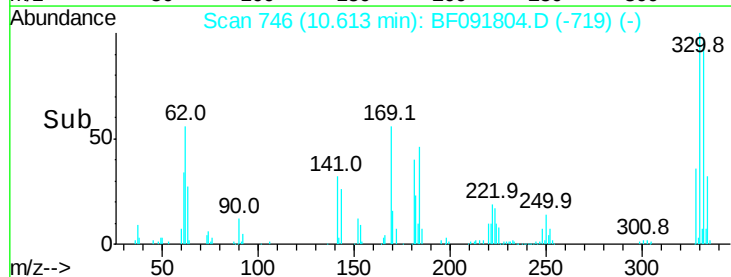
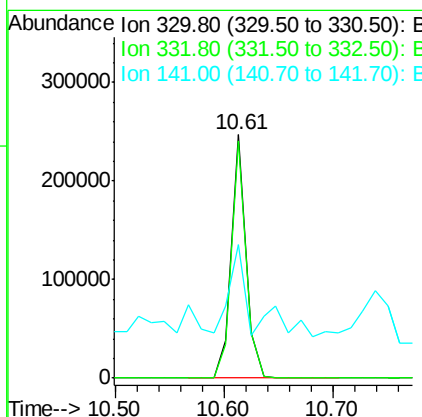
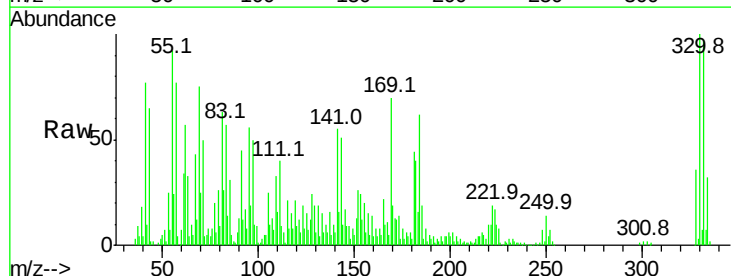
RT: 10.61 min Scan# 746

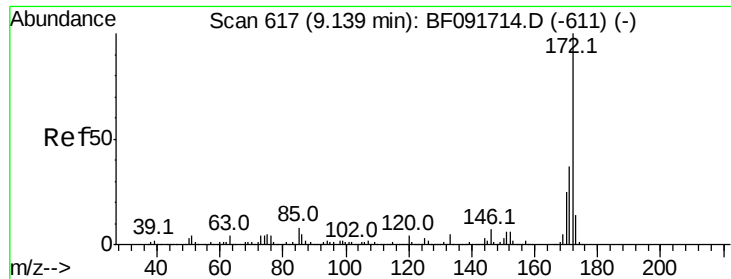
Delta R.T. 0.01 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Tgt Ion:	330	Resp:	229473
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.4	116.2
141	39.9	34.1	51.1





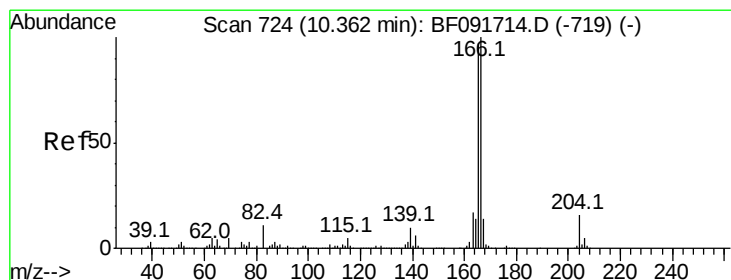
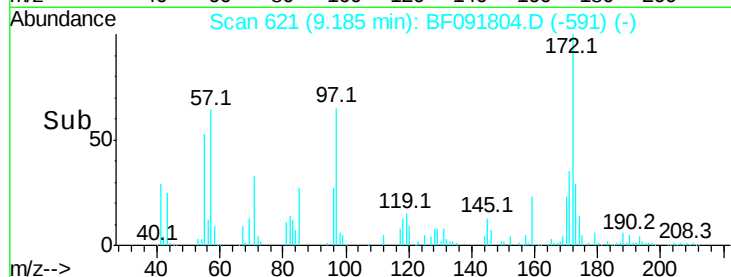
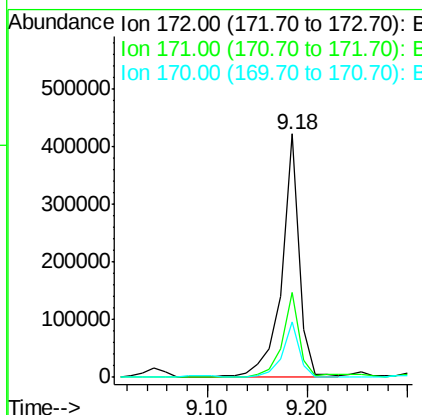
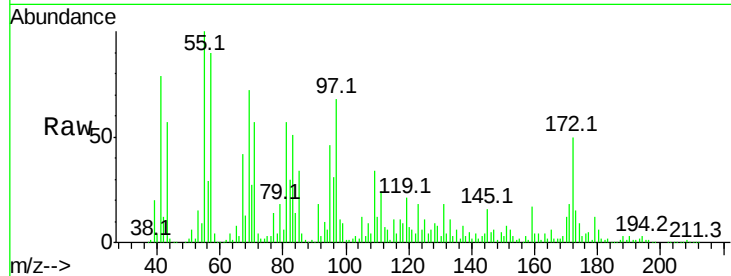
#44
2-Fluorobiphenyl
Concen: 53.33 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.05 min
Lab File: BF091804.D
Acq: 20 Dec 2016 5:34

Instrument :
BNA_F
ClientSampleId :
SB-45(8-9)-12-14-16RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	22.9	20.2	30.4

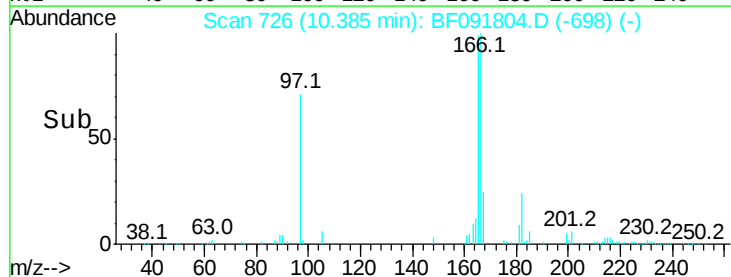
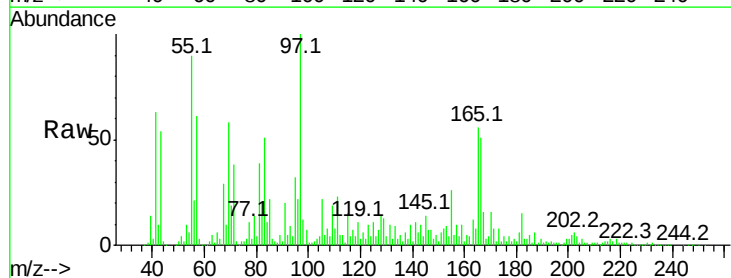
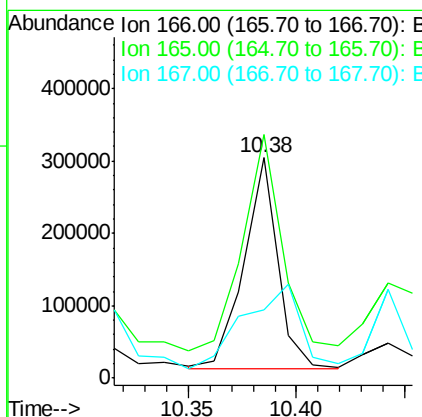
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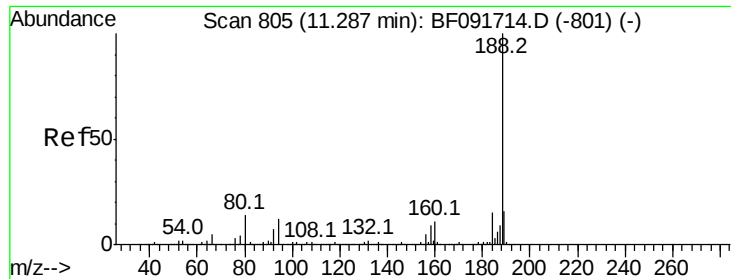
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#57
Fluorene
Concen: 31.52 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.02 min
Lab File: BF091804.D
Acq: 20 Dec 2016 5:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.4	77.8	116.8
167	31.0	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

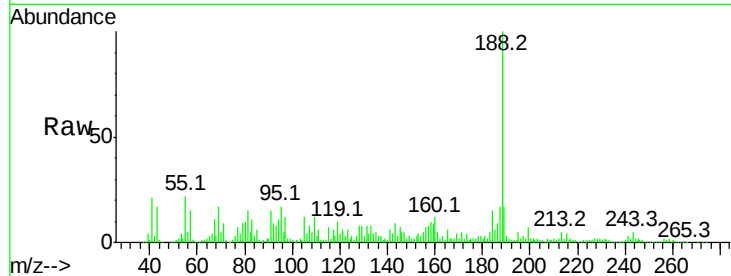
ClientSampleId :

SB-45(8-9)-12-14-16RE

Tot Ion:	188	Resp:	534154
Ion Ratio	Lower	Upper	
188	100		
94	10.5	10.0	15.0
80	10.1	11.2	16.8#

Manual Integrations
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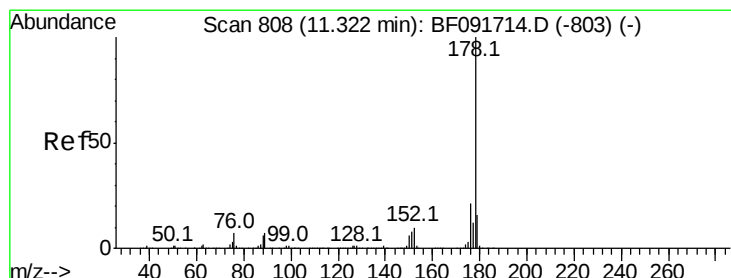
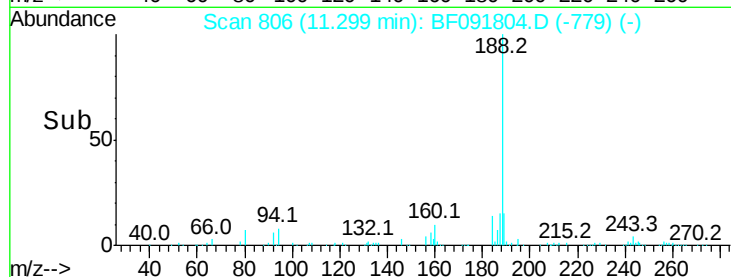
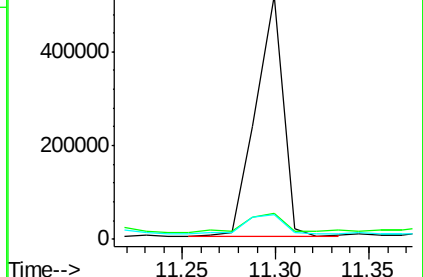
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 14.26 ng

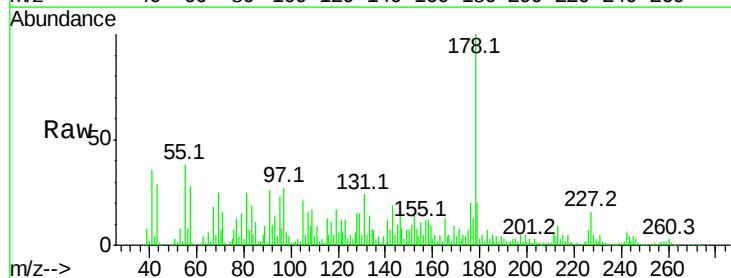
RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

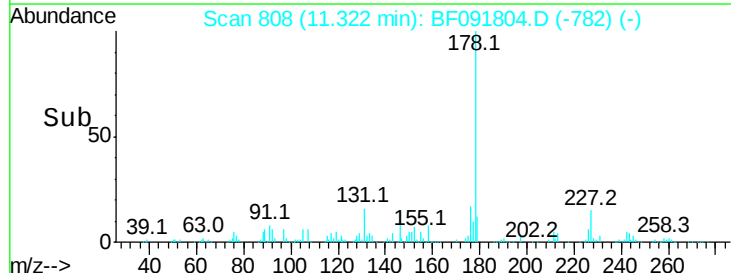
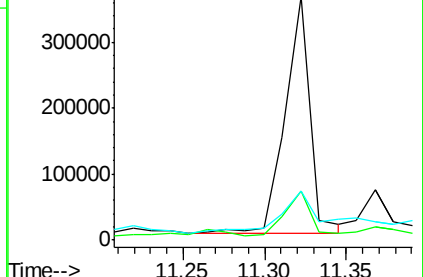
Tgt Ion:	178	Resp:	380709
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.6	25.0
179	19.9	12.8	19.2#

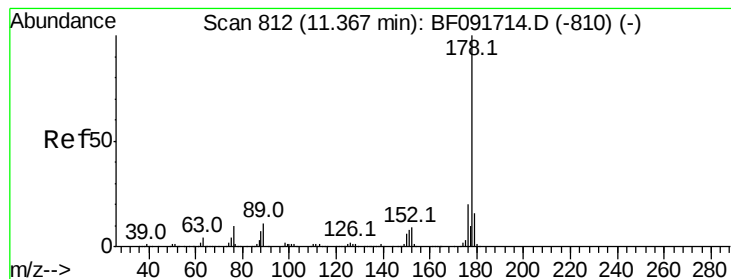


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





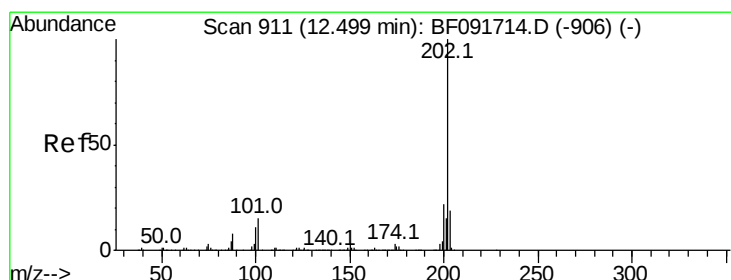
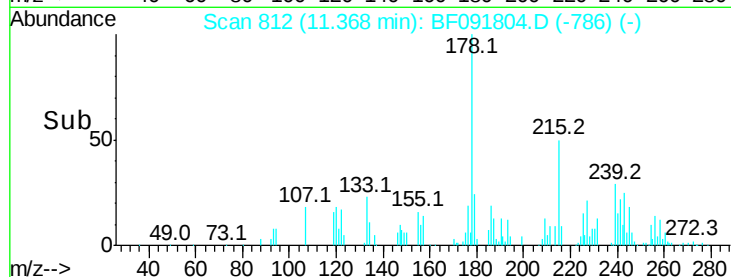
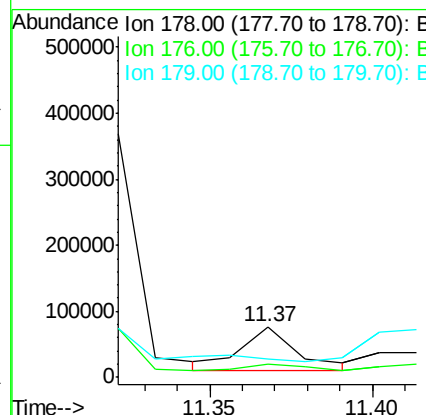
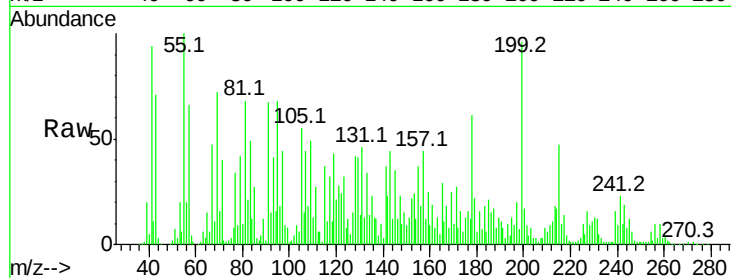
#71
 Anthracene
 Concen: 2.73 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF091804.D
 Acq: 20 Dec 2016 5:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-45(8-9)-12-14-16RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	26.6	15.9	23.9#
179	36.3	13.2	19.8#

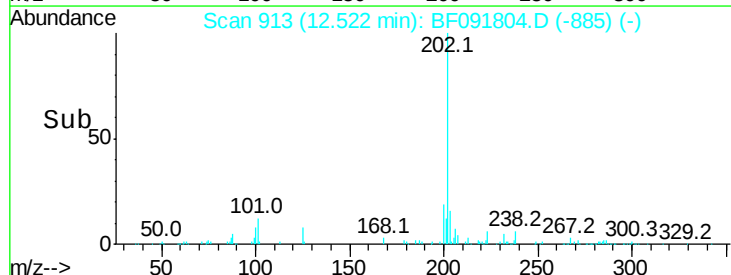
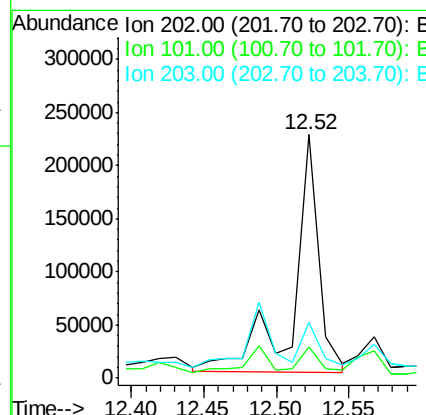
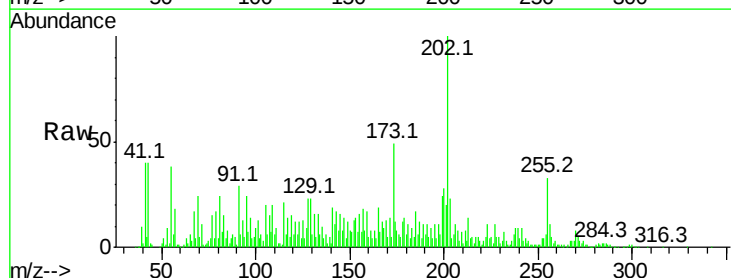
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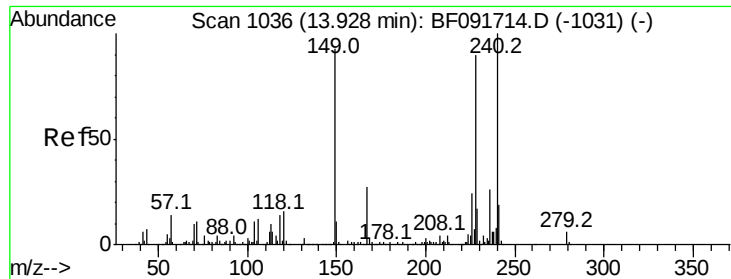
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#74
 Fluoranthene
 Concen: 9.77 ng m
 RT: 12.52 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: BF091804.D
 Acq: 20 Dec 2016 5:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.6
203	22.8	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

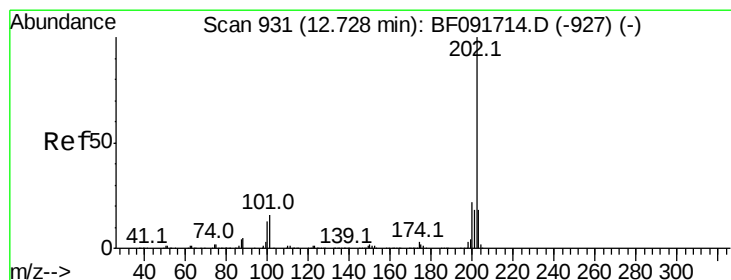
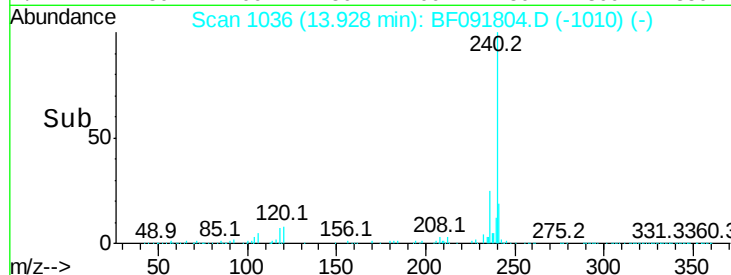
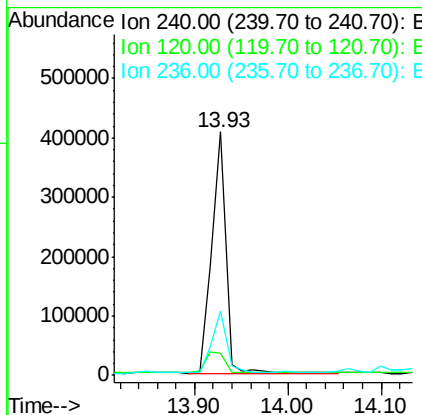
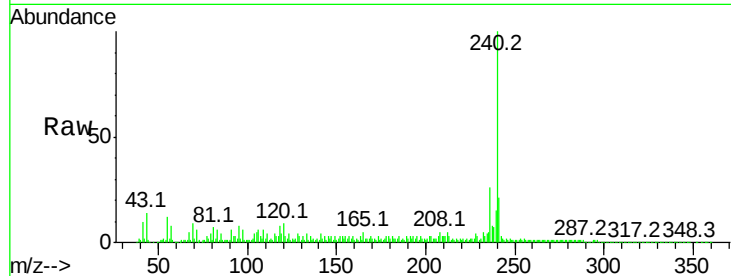
ClientSampleId :

SB-45(8-9)-12-14-16RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	12.9	19.3#
236	26.2	20.9	31.3

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12/20/2016 6:32:46 PM



#77

Pyrene

Concen: 6.30 ng

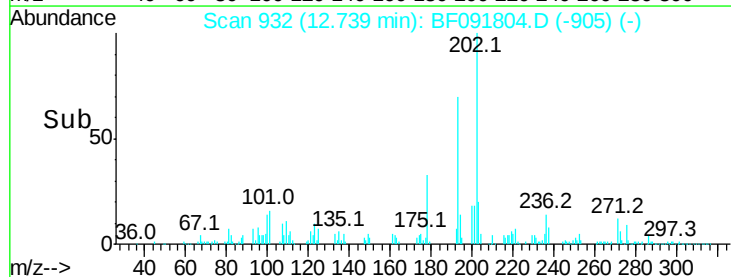
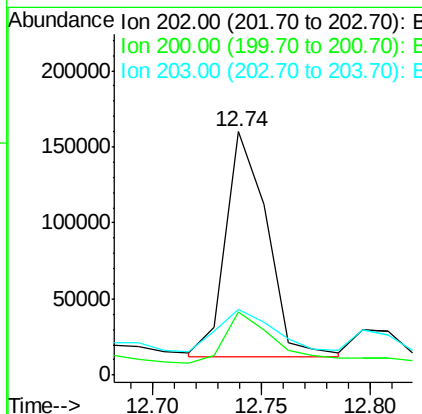
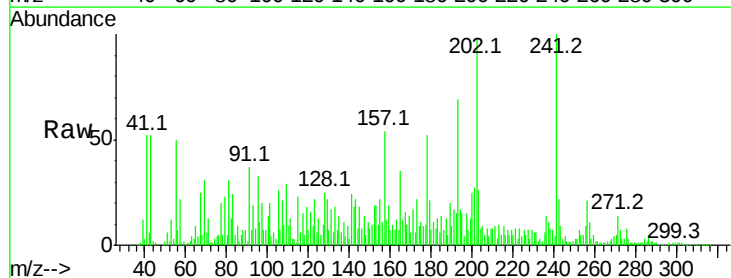
RT: 12.74 min Scan# 932

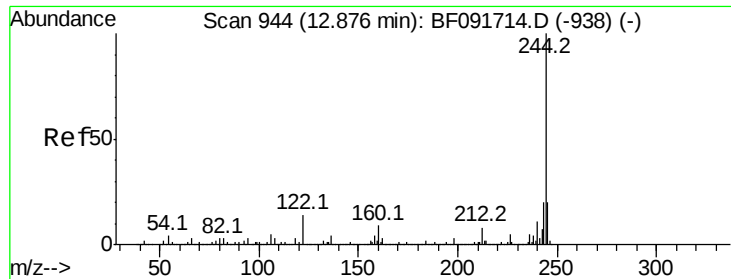
Delta R.T. 0.01 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.9	17.7	26.5
203	26.9	14.7	22.1#





#78

Terphenyl-d14

Concen: 49.35 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Instrument :

BNA_F

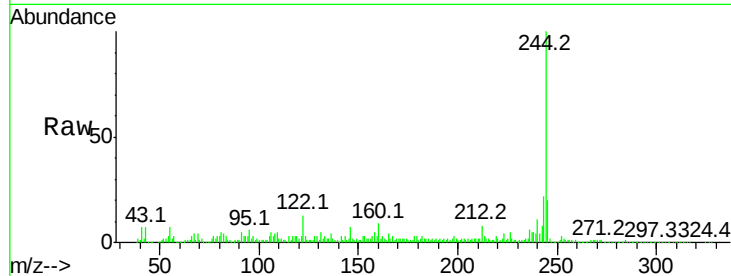
ClientSampleId :

SB-45(8-9)-12-14-16RE

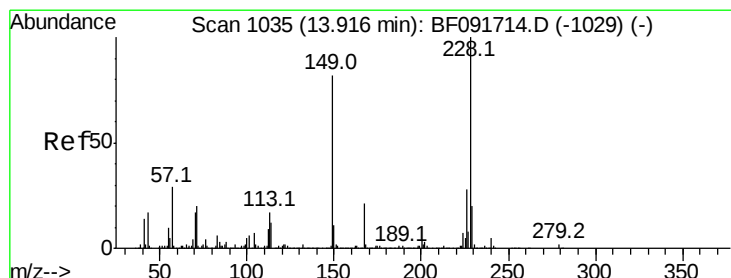
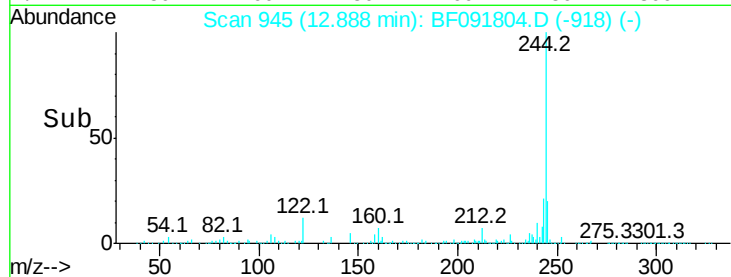
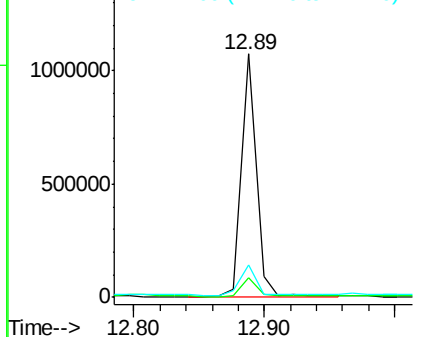
Tot Ion:	244	Resp:	833641
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	13.5	11.4	17.2

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12/20/2016 6:32:46 PM



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: 2.79 ng m

RT: 13.92 min Scan# 1035

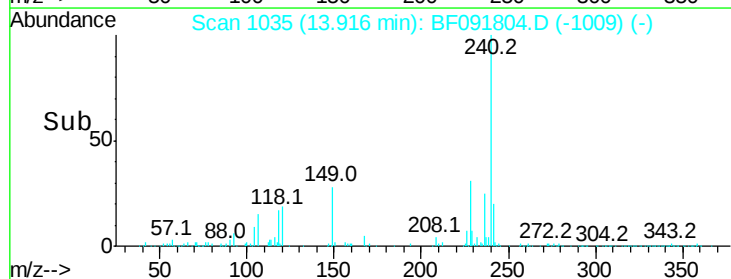
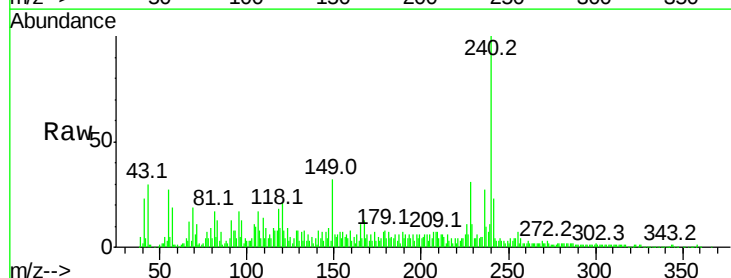
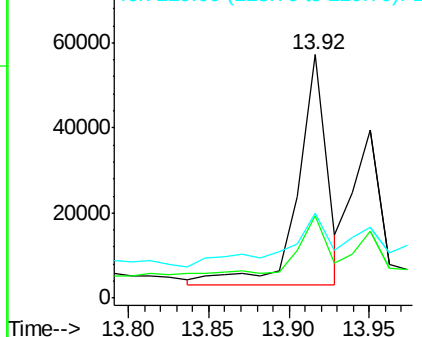
Delta R.T. 0.00 min

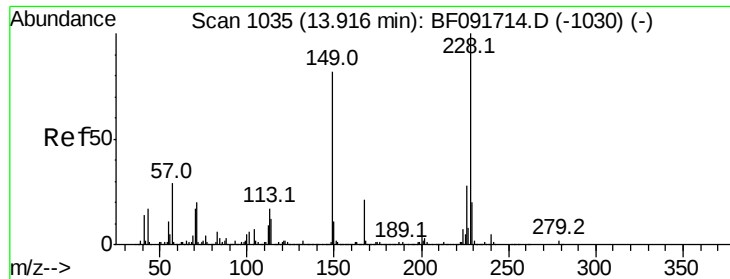
Lab File: BF091804.D

Acq: 20 Dec 2016 5:34

Tgt Ion:	228	Resp:	67996
Ion Ratio	Lower	Upper	
228	100		
226	33.8	22.4	33.6#
229	34.9	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





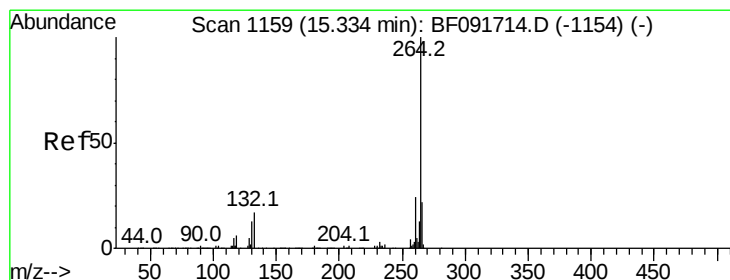
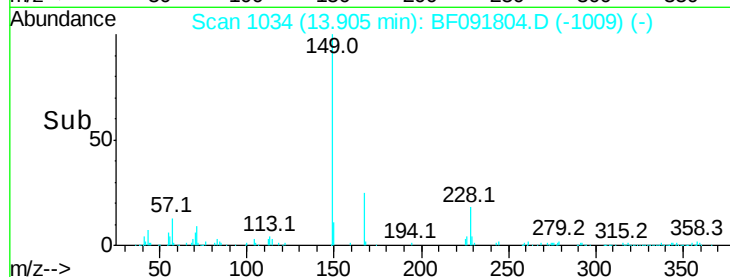
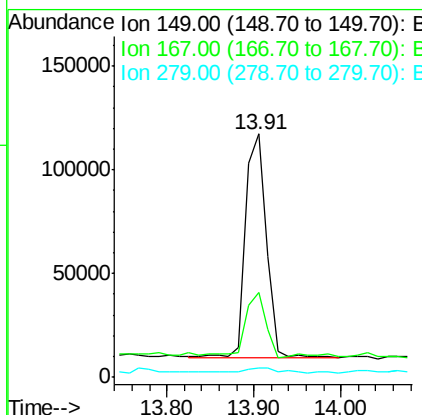
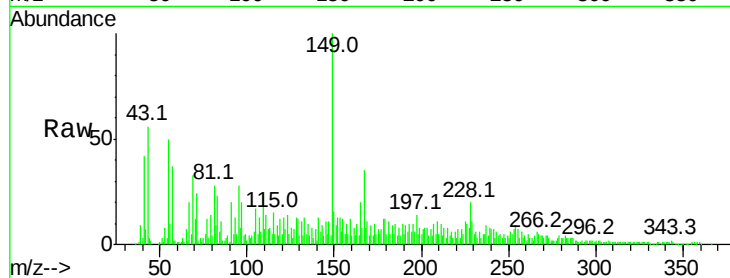
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.09 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF091804.D
 Acq: 20 Dec 2016 5:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-45(8-9)-12-14-16RE

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	35.1	20.2	30.4#
279	3.9	1.8	2.8#

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 12/20/2016 6:32:46 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF091804.D
 Acq: 20 Dec 2016 5:34

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.5	17.4	26.0

