

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109250.D
 Acq On : 23 Sep 2018 5:06
 Operator : JU/SJ
 Sample : J5017-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-S-EW-059

Manual Integrations
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Sohil
 9/24/2018 3:53:30 PM

Quant Time: Sep 24 11:20:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	112227	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	354368	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	132238	20.00	ng	0.01
63) Phenanthrene-d10	11.23	188	203124	20.00	ng	0.02
75) Chrysene-d12	13.85	240	178915	20.00	ng	0.00
86) Perylene-d12	15.25	264	177004	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	752914	110.50	ng	0.00
7) Phenol-d6	6.35	99	985241	113.32	ng	-0.01
23) Nitrobenzene-d5	7.27	82	624373	104.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	144247	110.65	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	935724	106.72	ng	0.00
78) Terphenyl-d14	12.81	244	596164	81.78	ng	0.00
Target Compounds						
31) Naphthalene	8.01	128	39193	2.367	ng	# 89
37) 2-Methylnaphthalene	8.70	142	29722	2.784	ng	# 66
49) Dimethylphthalate	9.46	163	234513	24.382	ng	# 96
70) Phenanthrene	11.26	178	135625	13.373	ng	# 88
71) Anthracene	11.30	178	33137	3.221	ng	# 58
74) Fluoranthene	12.44	202	54213	5.002	ng	92
77) Pyrene	12.66	202	71447	5.572	ng	# 94
80) Benzo(a)anthracene	13.84	228	33837	3.140	ng	# 69
82) Chrysene	13.87	228	37983	3.556	ng	# 68
87) Benzo(b)fluoranthene	14.85	252	24292m	2.498	ng	
89) Benzo(a)pyrene	15.19	252	18348m	2.094	ng	

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

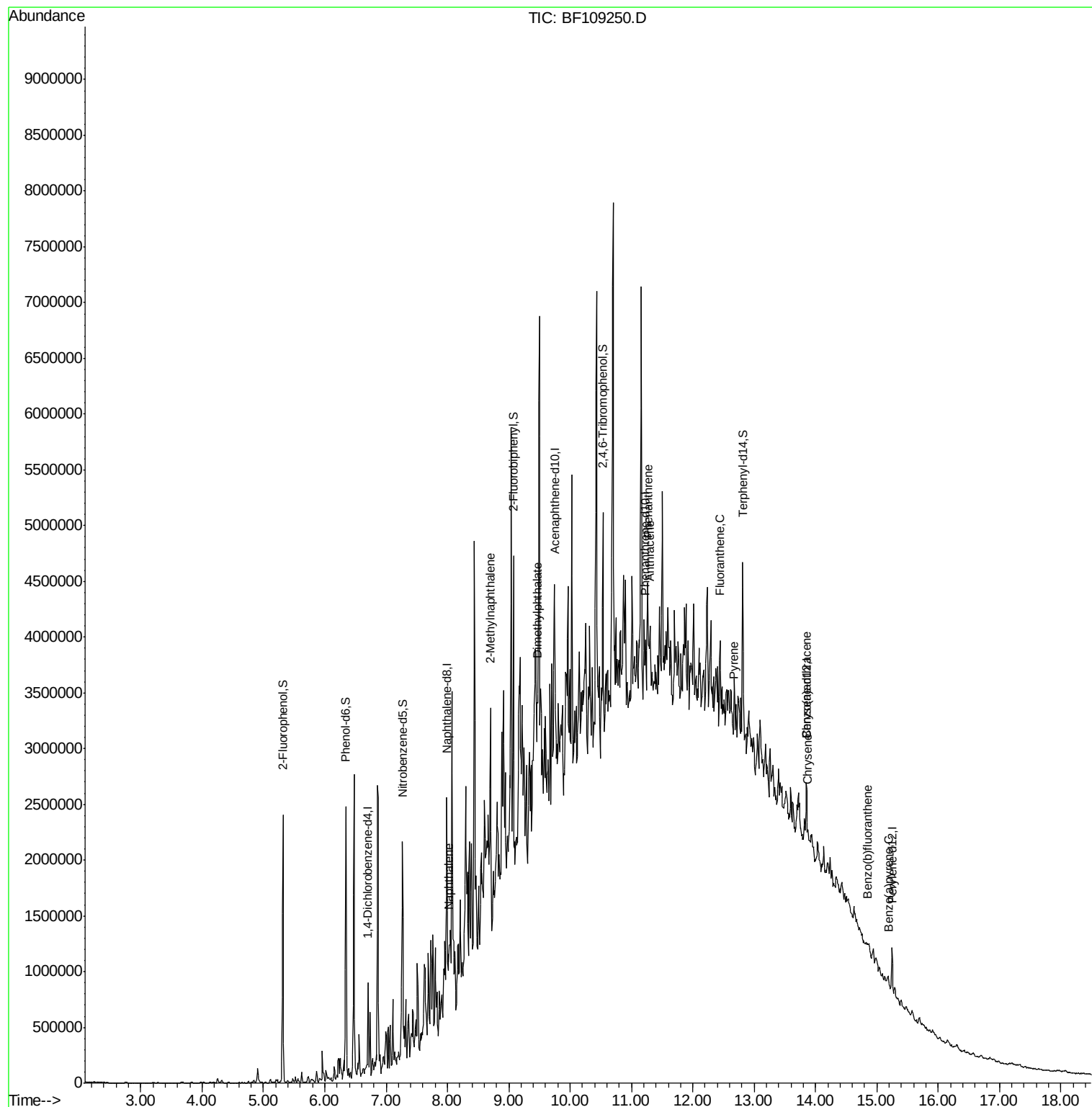
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109250.D
Acq On : 23 Sep 2018 5:06
Operator : JU/SJ
Sample : J5017-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

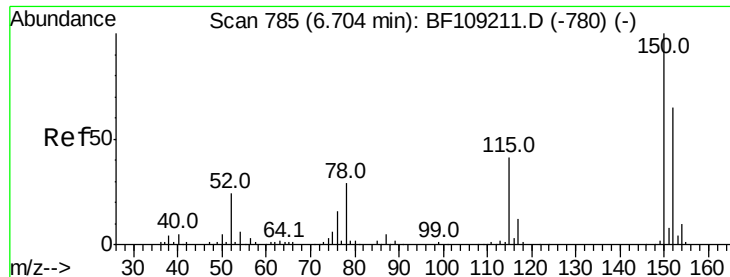
Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Manual Integrations
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Quant Time: Sep 24 11:20:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

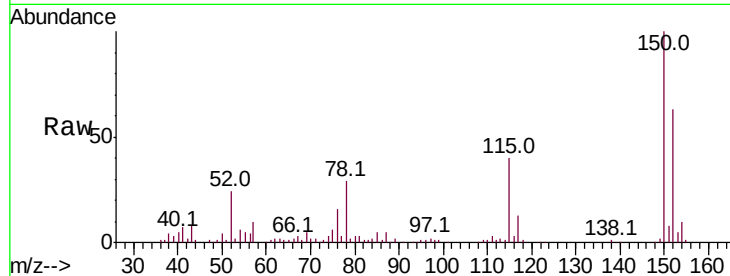
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	63.0	50.1	75.1

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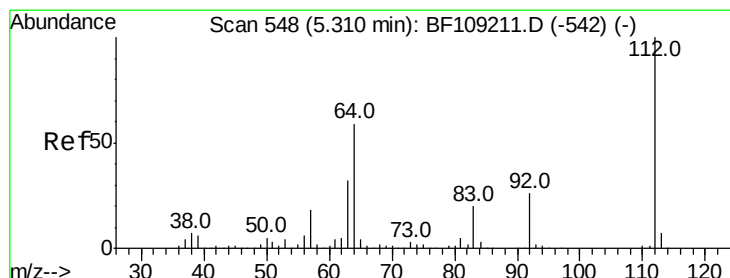
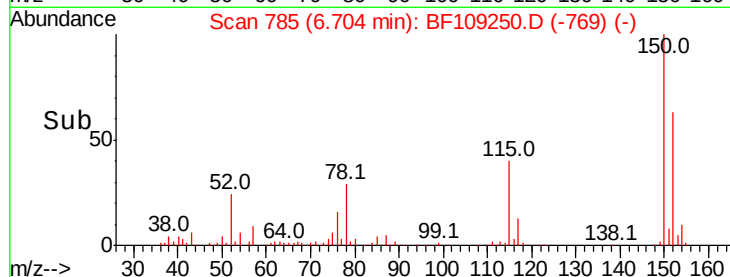
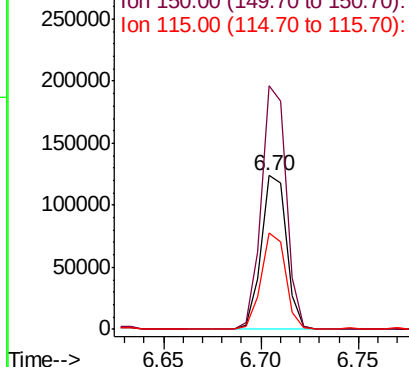


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

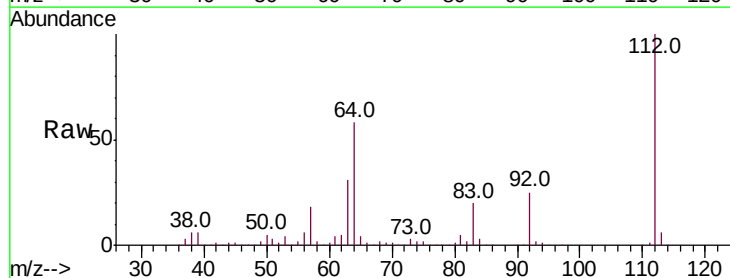
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.500 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	30.7	23.7	35.5

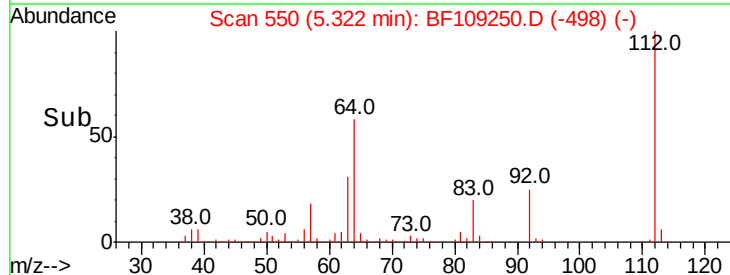
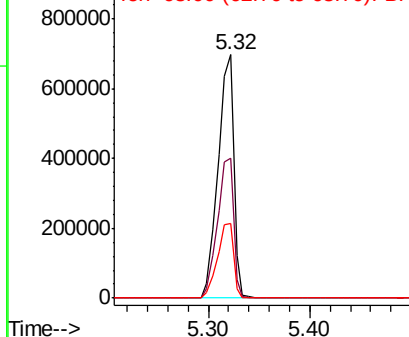


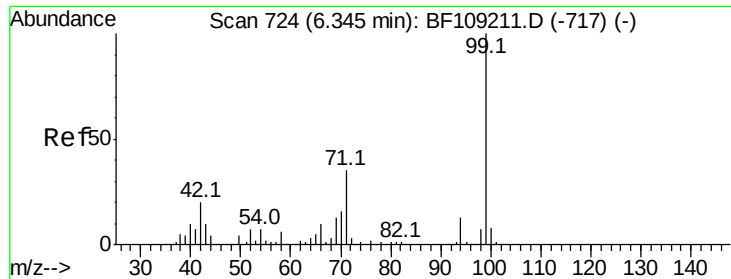
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.317 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA_F

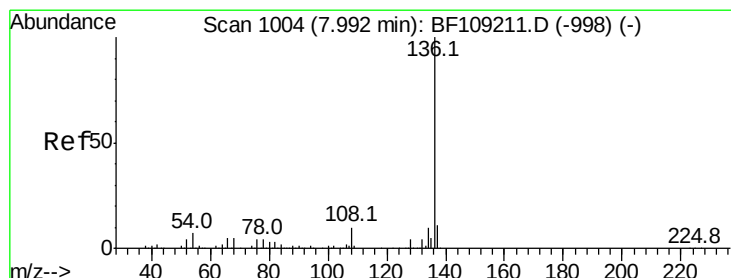
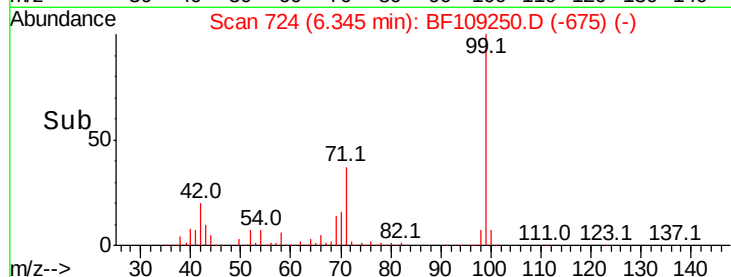
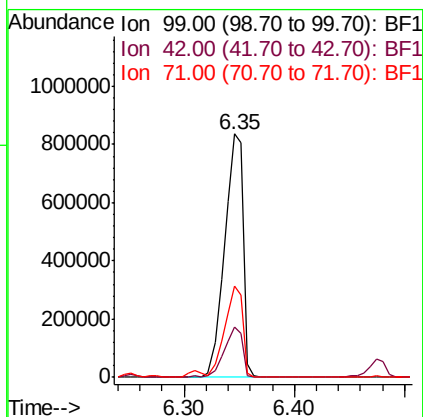
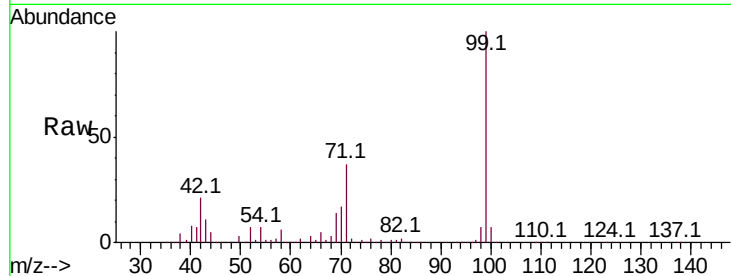
ClientSampleId :

RA-091918-S-EW-059

Tot Ion:	99	Resp:	985241
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	37.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

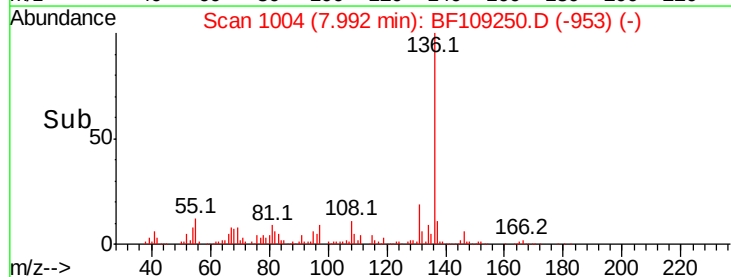
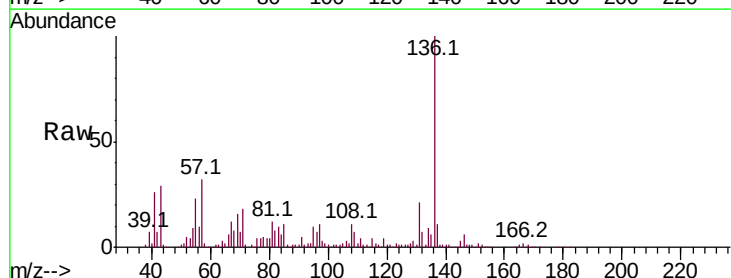
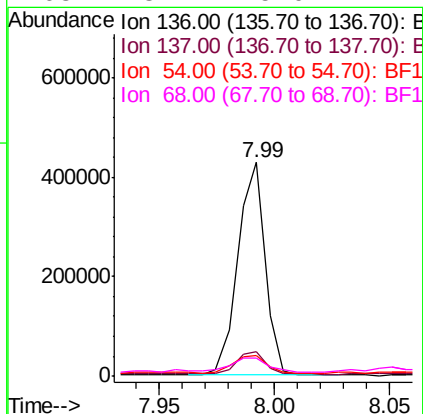
RT: 7.99 min Scan# 1004

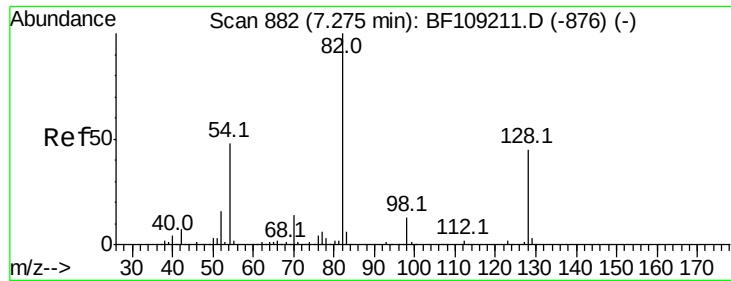
Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Tgt Ion:	136	Resp:	354368
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	9.3	6.6	9.8
68	8.4	5.0	7.4#





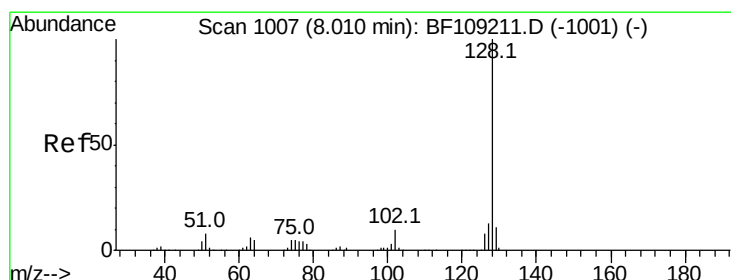
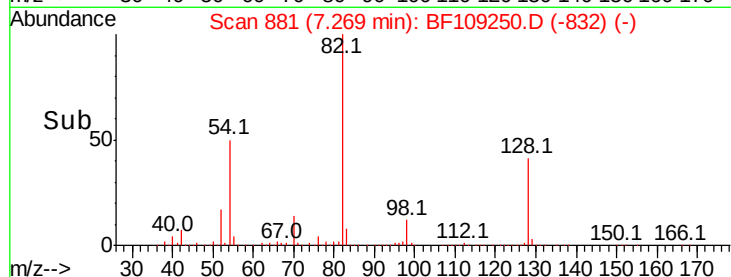
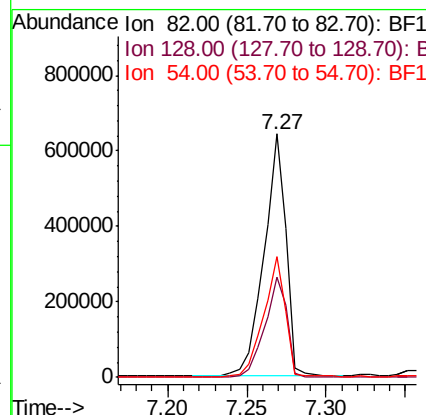
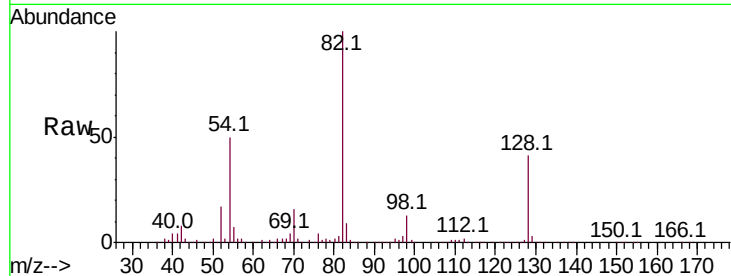
#23
Nitrobenzene-d5
Concen: 104.010 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	49.7	41.4	62.2

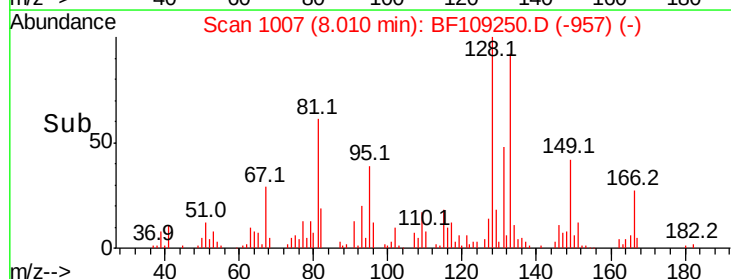
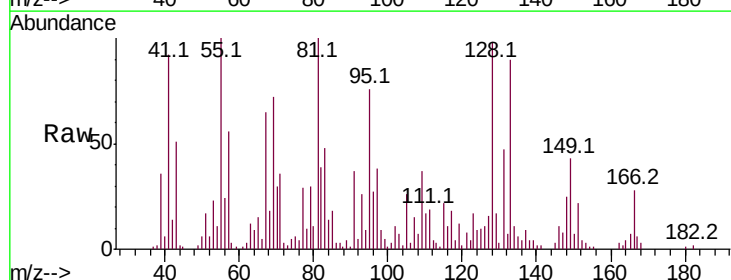
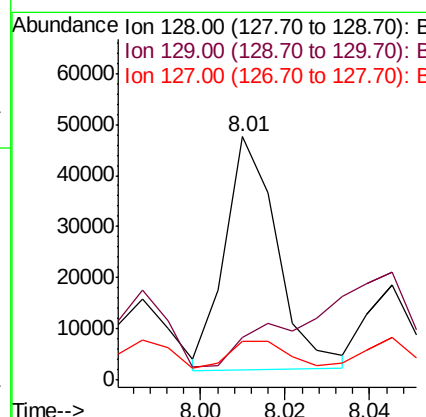
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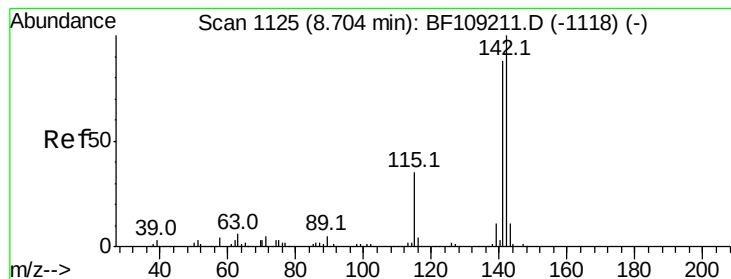
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#31
Naphthalene
Concen: 2.367 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.6	8.8	13.2#
127	16.1	10.9	16.3





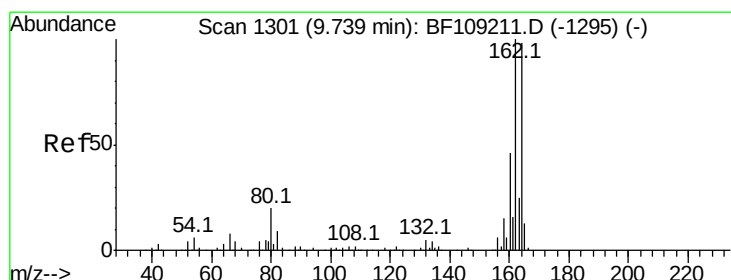
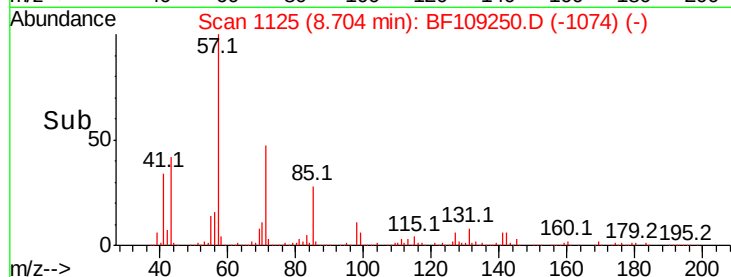
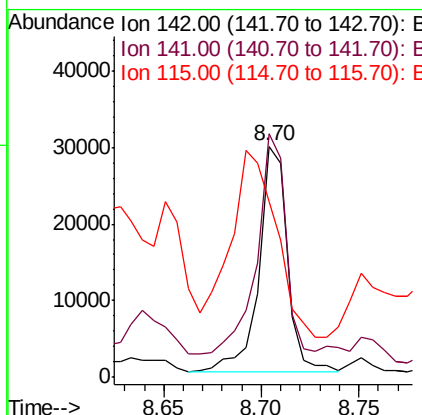
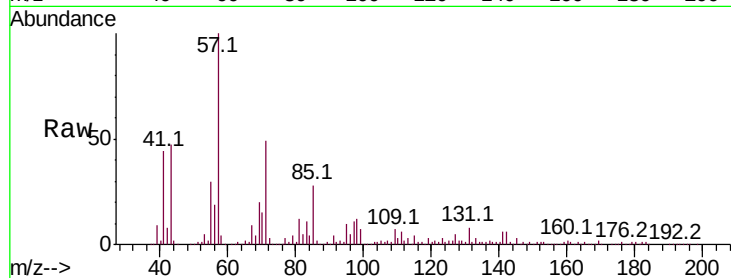
#37
2-Methylnaphthalene
Concen: 2.784 ng
RT: 8.70 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
142	100		
141	105.4	70.8	106.2
115	76.0	26.1	39.1#

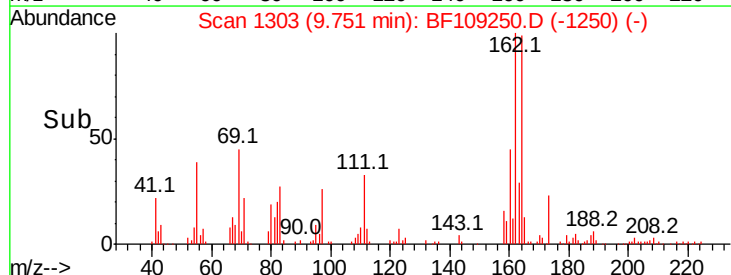
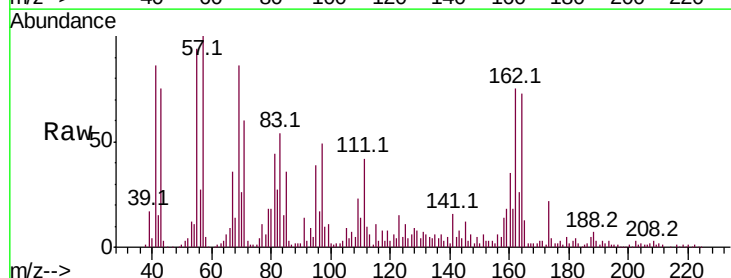
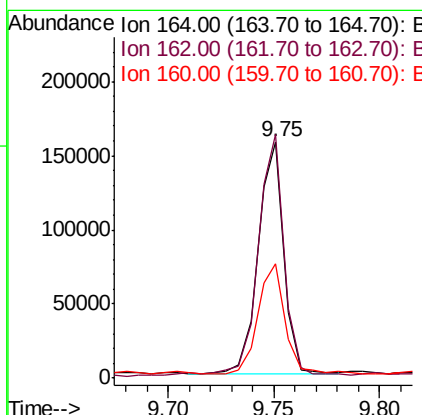
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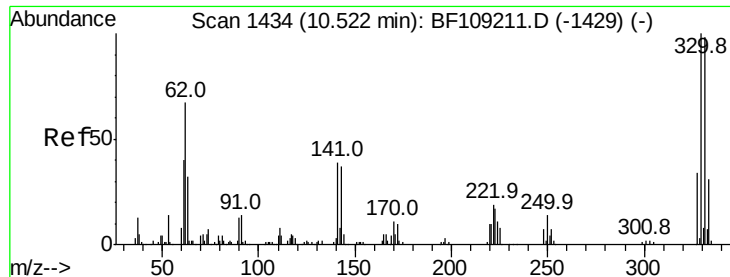
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	48.2	38.3	57.5





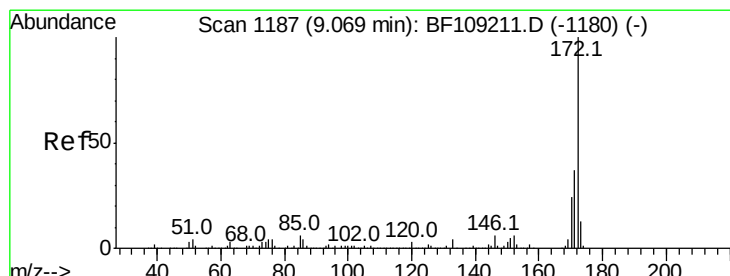
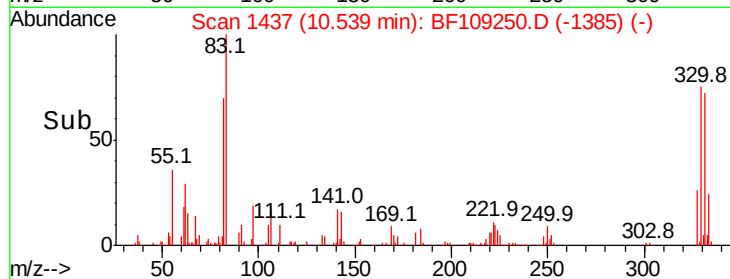
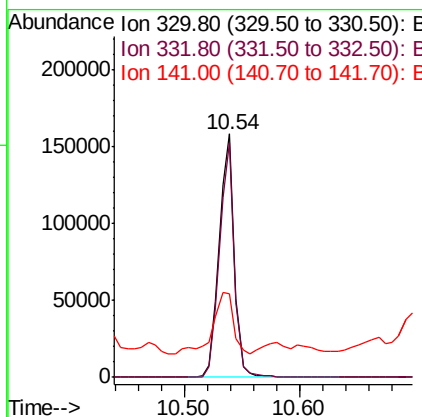
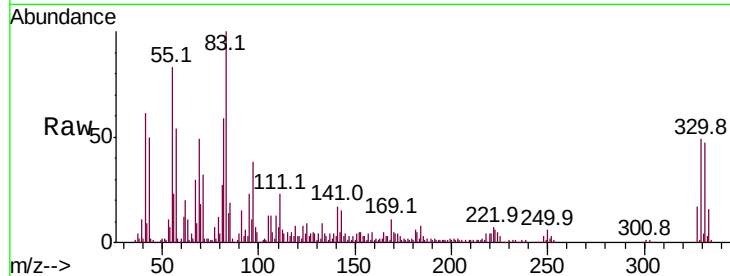
#41
 2,4,6-Tribromophenol
 Concen: 110.654 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF109250.D
 Acq: 23 Sep 2018 5:06

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-S-EW-059

Tot Ion:	330	Resp:	144247
Ion Ratio	Lower	Upper	
330	100		
332	94.8	77.0	115.6
141	34.3	29.9	44.9

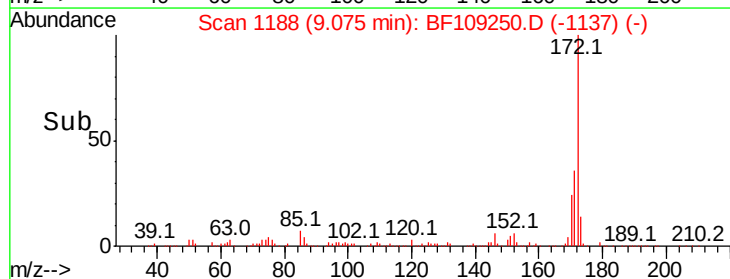
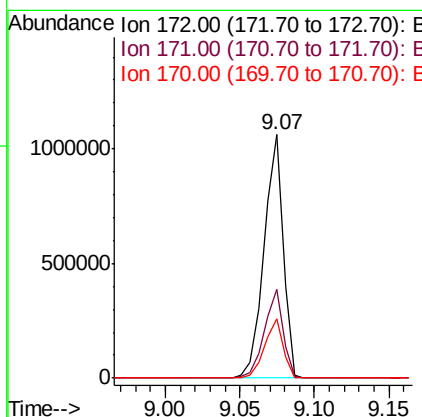
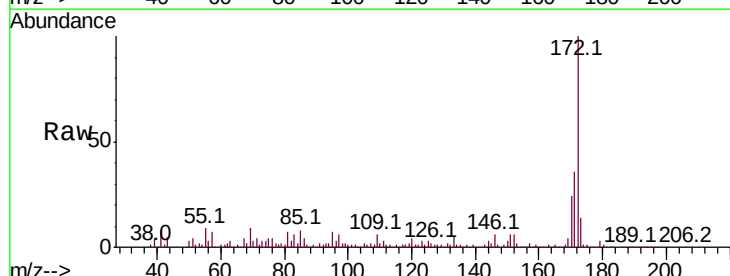
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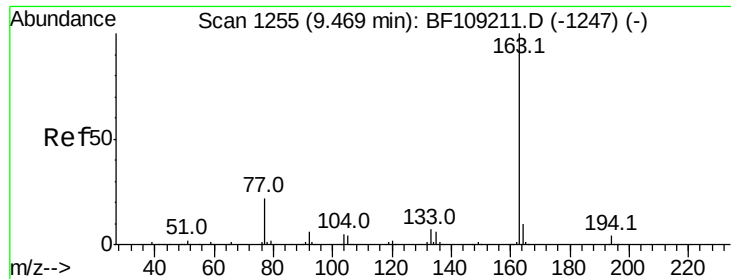
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#44
 2-Fluorobiphenyl
 Concen: 106.721 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF109250.D
 Acq: 23 Sep 2018 5:06

Tgt Ion:	172	Resp:	935724
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4





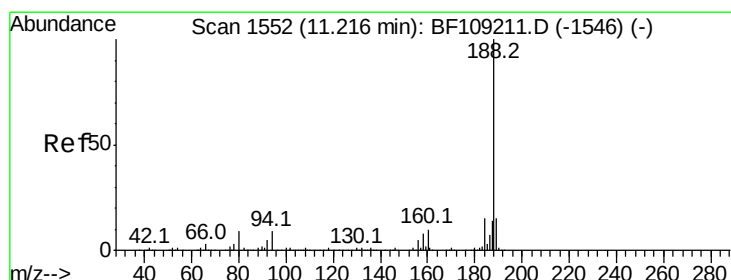
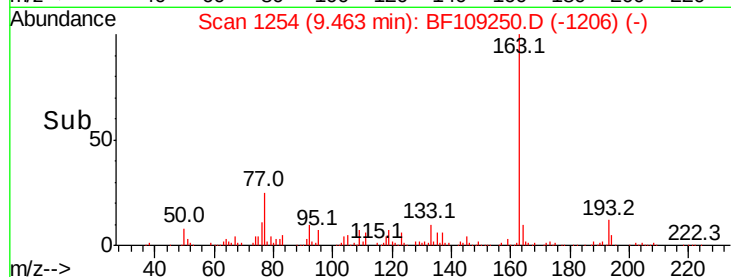
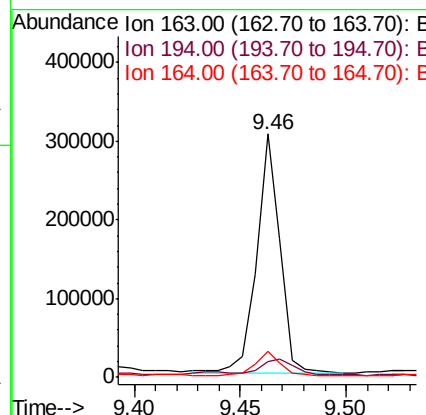
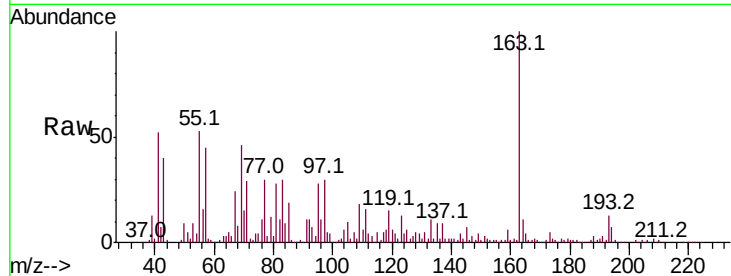
#49
Dimethylphthalate
Concen: 24.382 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Resp	Lower	Upper
163	100	234513		
194	6.7	2.7	4.1#	
164	10.8	8.2	12.2	

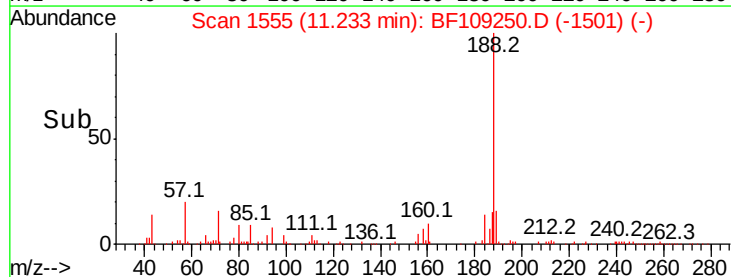
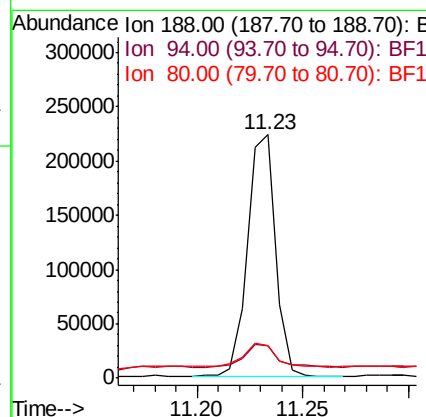
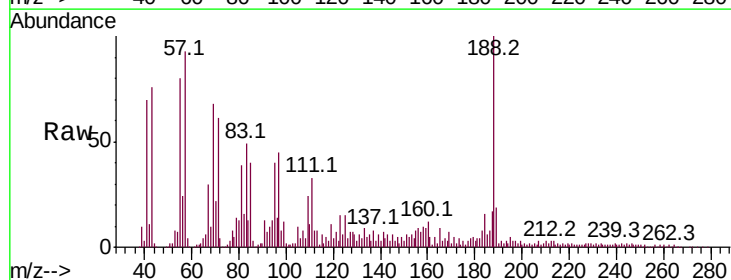
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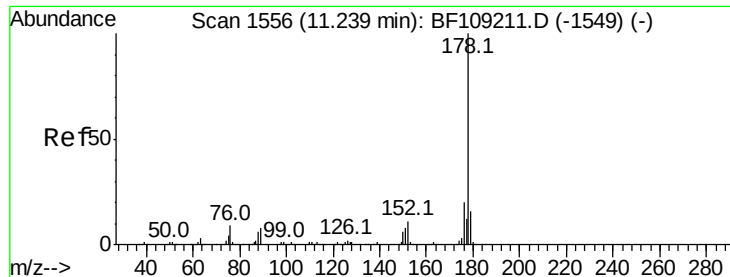
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.02 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	203124		
94	13.1	8.5	12.7#	
80	13.2	9.2	13.8	





#70

Phenanthrene

Concen: 13.373 ng

RT: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA_F

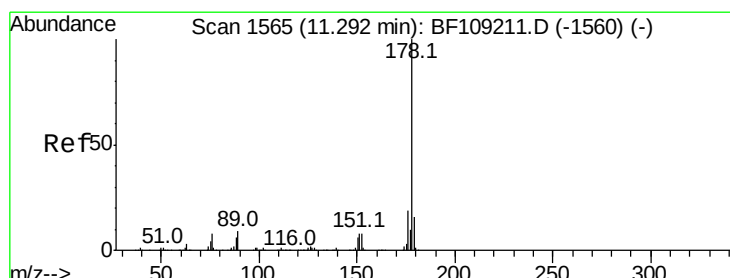
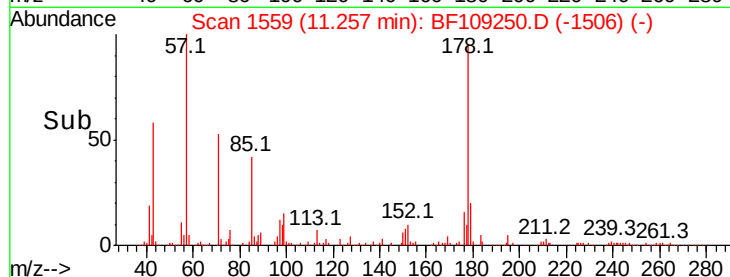
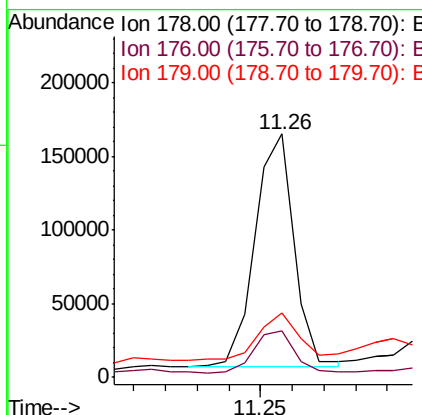
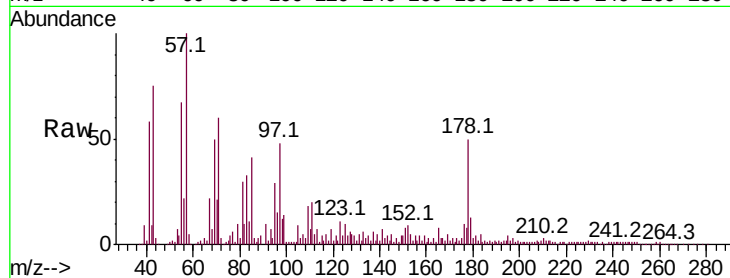
ClientSampleId :

RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	26.5	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 3.221 ng

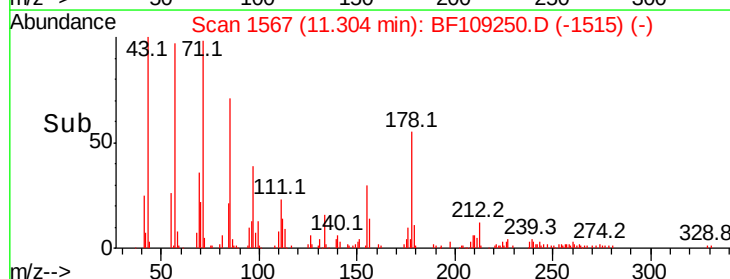
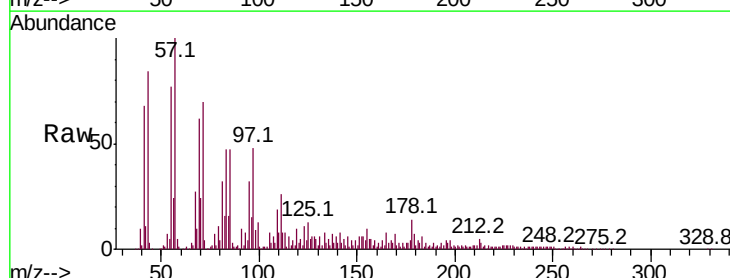
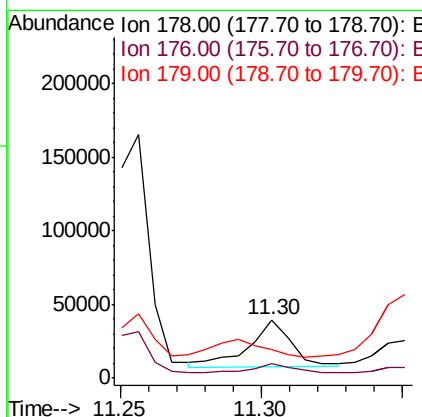
RT: 11.30 min Scan# 1567

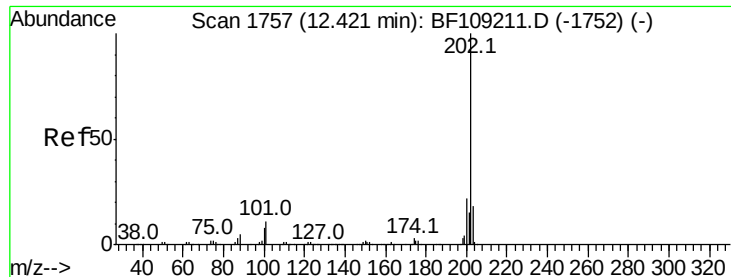
Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.8	15.4	23.2
179	49.0	12.6	19.0





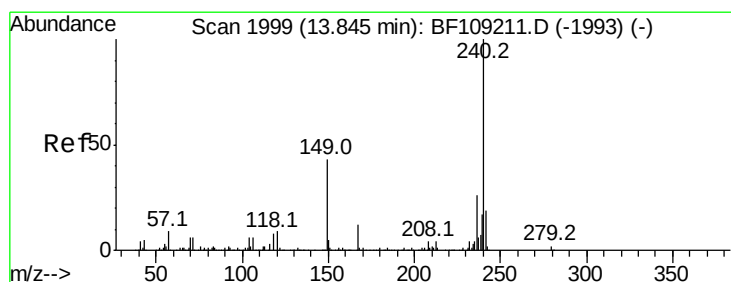
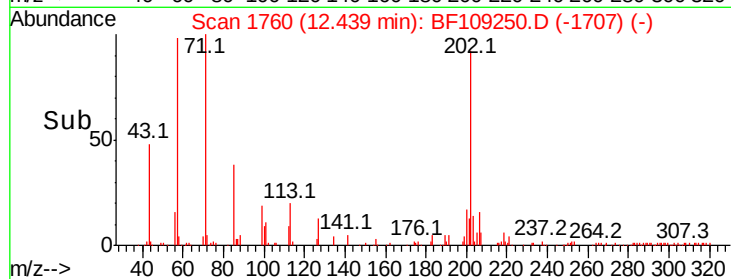
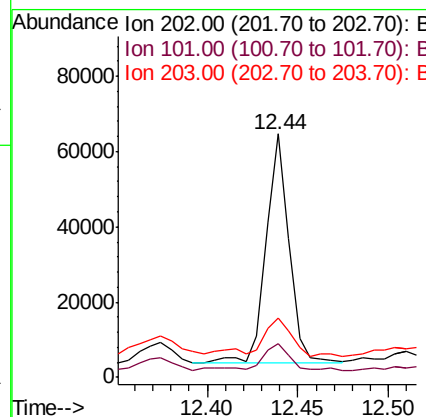
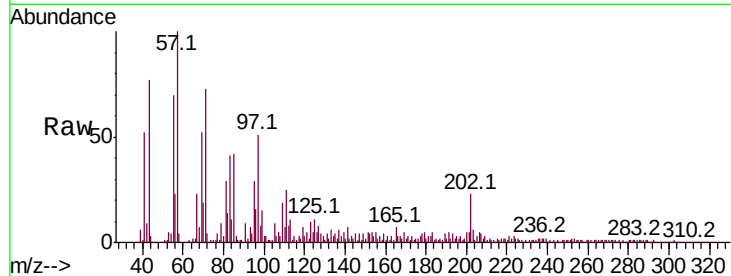
#74
Fluoranthene
Concen: 5.002 ng
RT: 12.44 min Scan# 1760
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.8	0.0	34.1
203	24.3	0.0	38.1

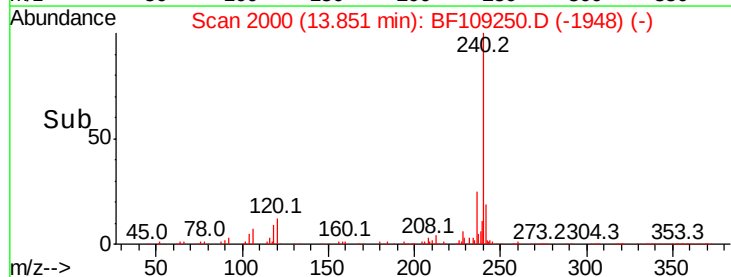
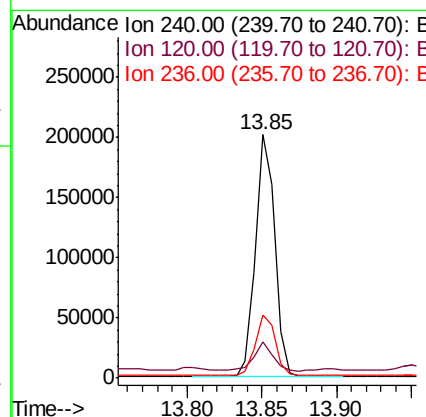
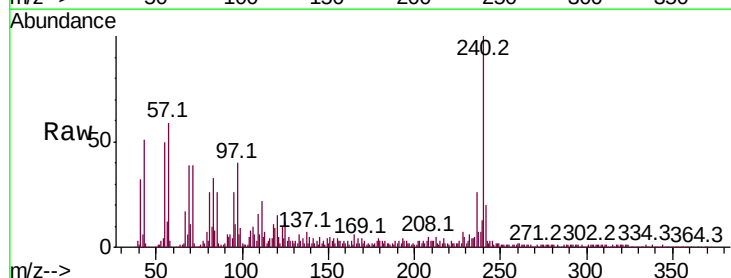
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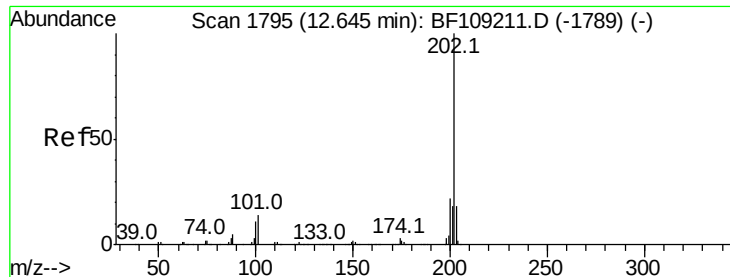
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	26.1	20.7	31.1





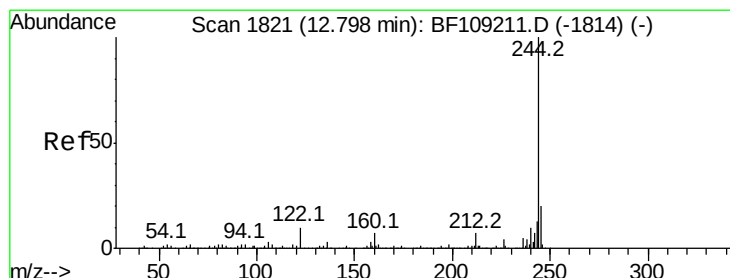
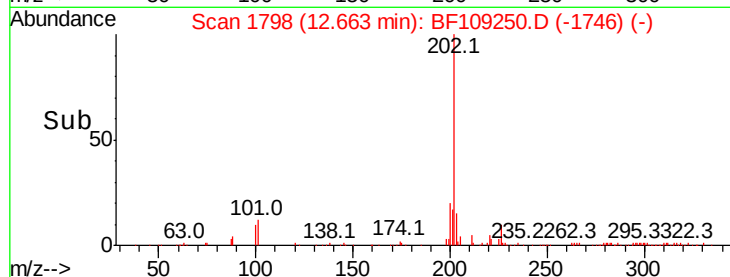
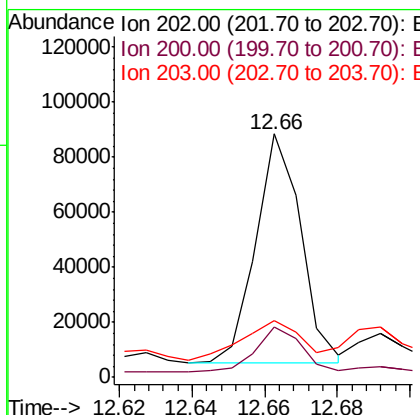
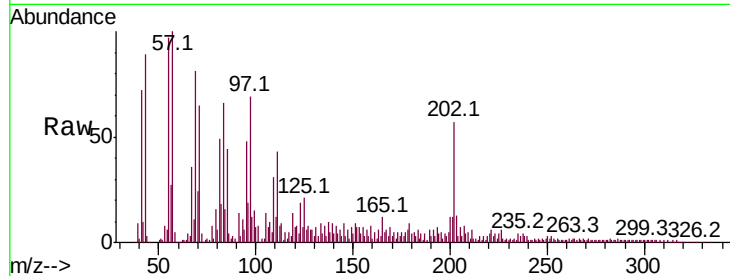
#77
Pvrene
Concen: 5.572 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	23.2	14.3	21.5

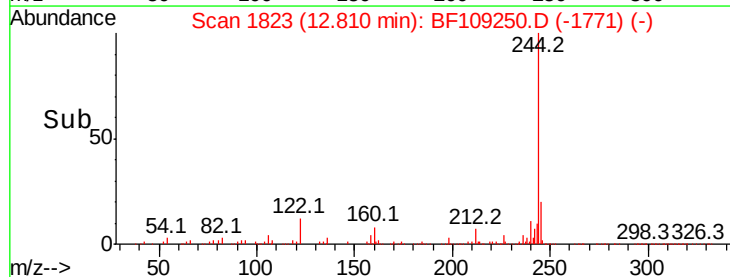
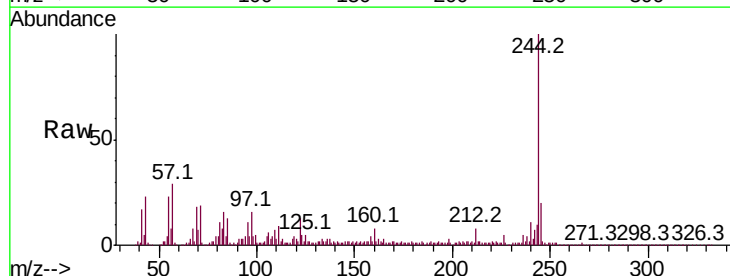
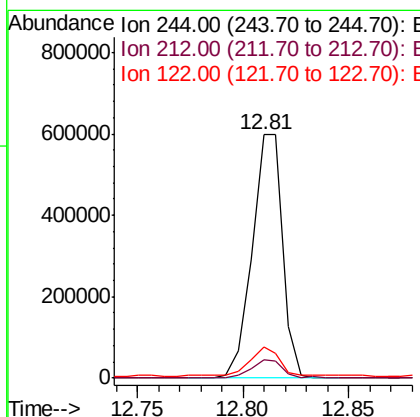
Manual Integrations
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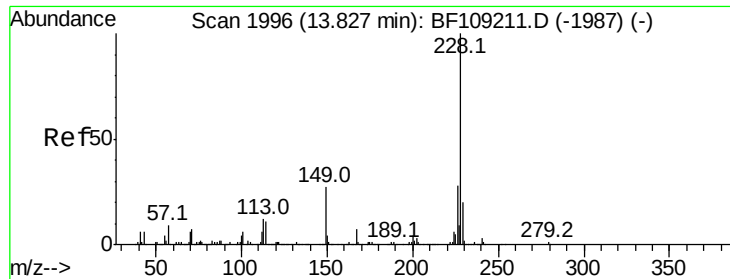
Sohil
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#78
Terphenyl-d14
Concen: 81.775 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	5.4	8.0
122	13.0	11.0	16.4





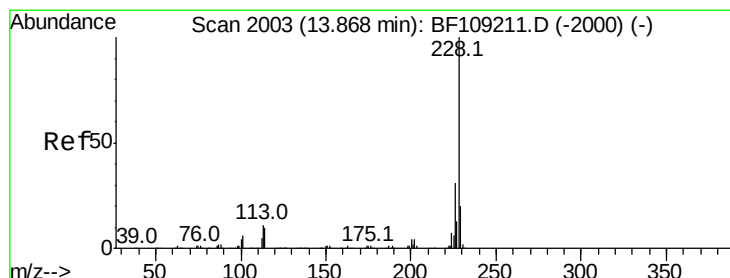
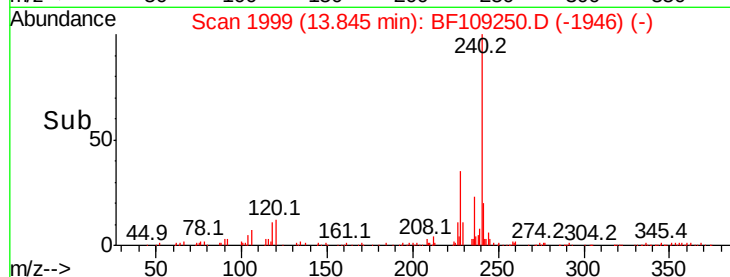
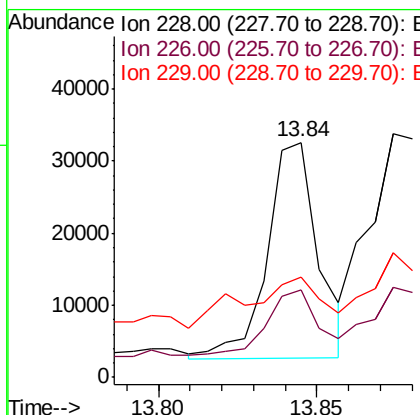
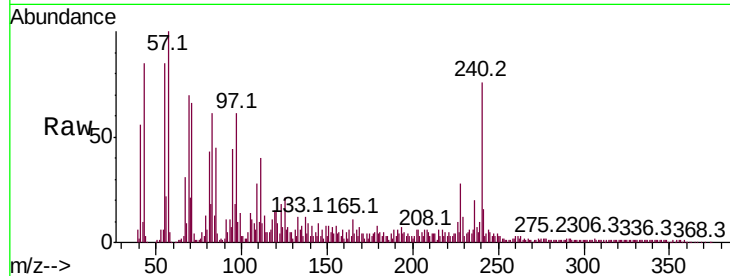
#80
Benzo(a)anthracene
Concen: 3.140 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Instrument :
BNA_F
ClientSampleId :
RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.0	22.6	33.8#
229	42.8	15.8	23.6#

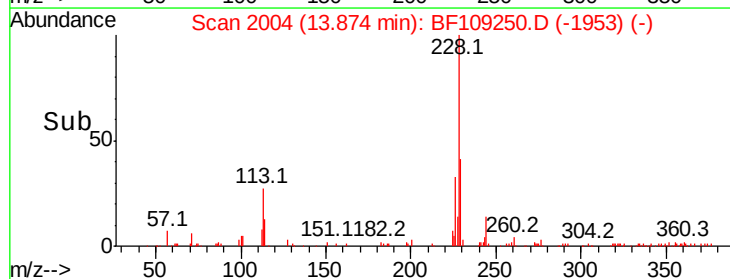
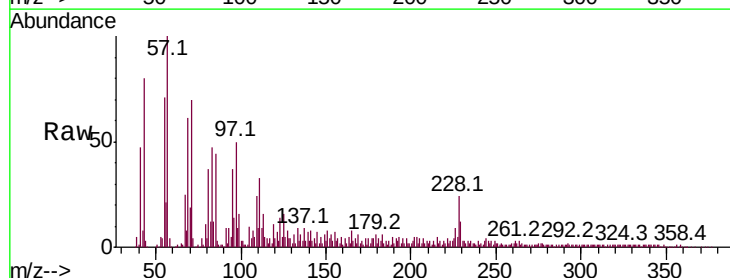
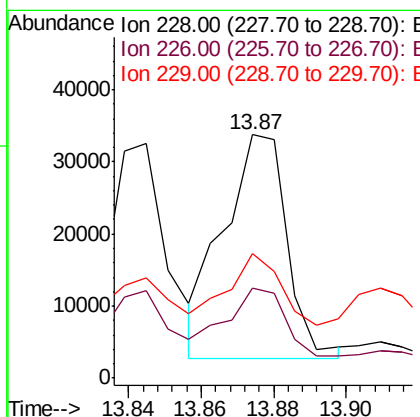
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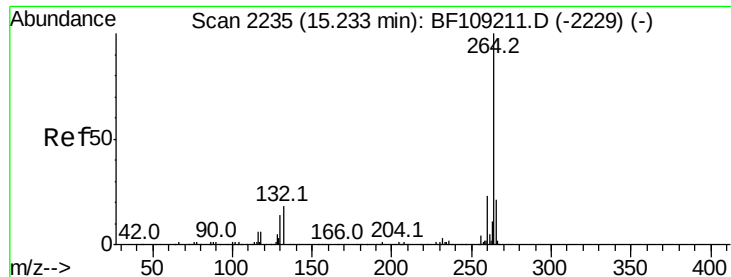
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#82
Chrysene
Concen: 3.556 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF109250.D
Acq: 23 Sep 2018 5:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.9	25.0	37.6
229	51.0	16.2	24.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA_F

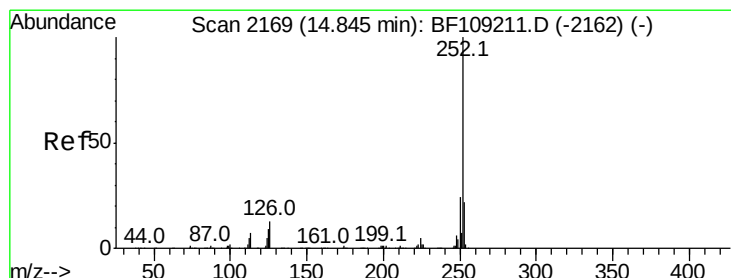
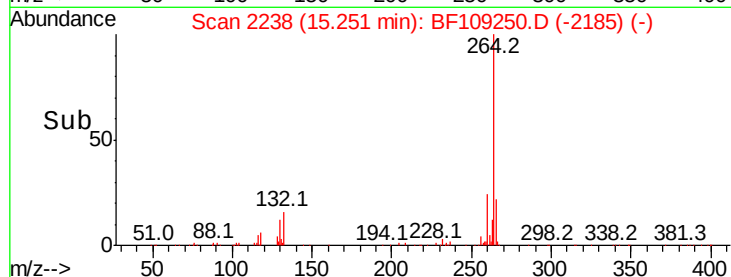
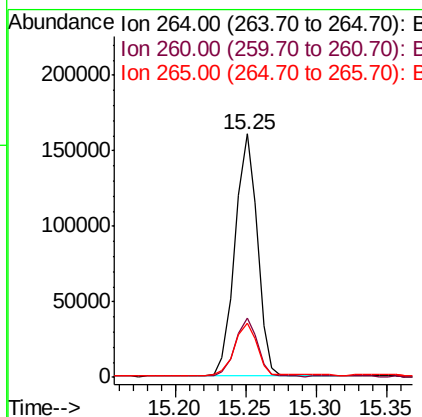
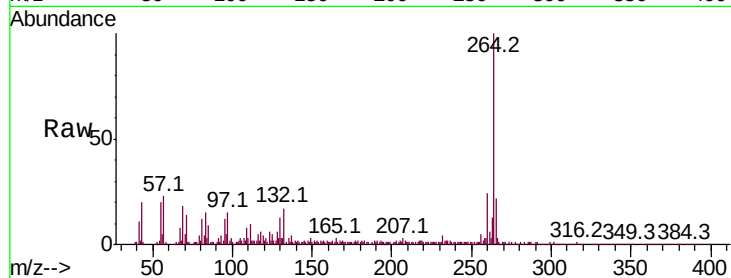
ClientSampleId :

RA-091918-S-EW-059

Tot Ion:	264	Resp:	177004
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 2.498 ng m

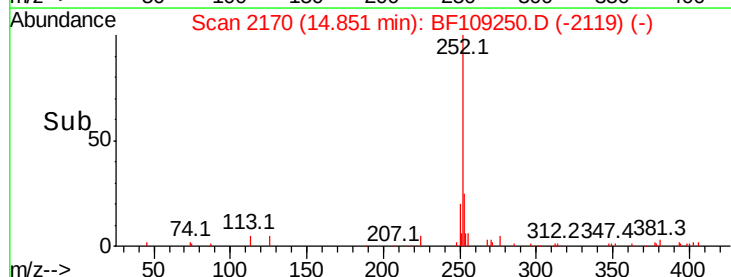
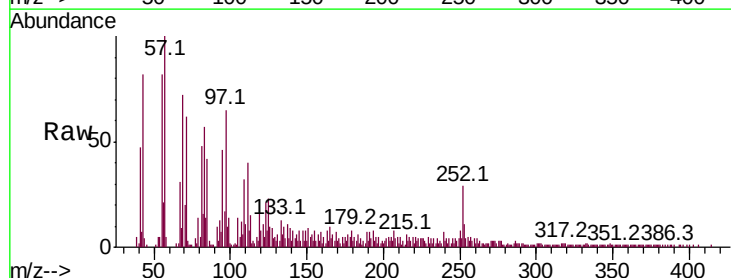
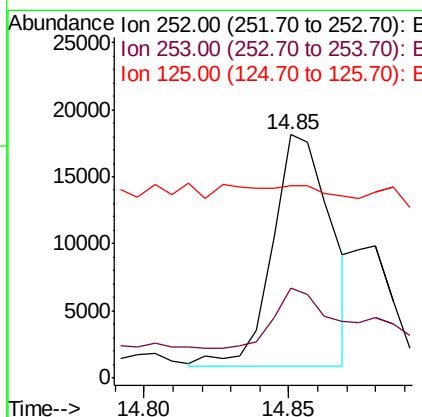
RT: 14.85 min Scan# 2170

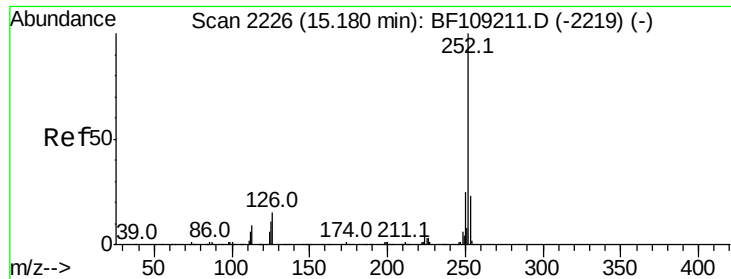
Delta R.T. -0.00 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Tgt Ion:	252	Resp:	24292
Ion Ratio	Lower	Upper	
252	100		
253	37.2	17.0	25.6#
125	79.0	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.094 ng/ml

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109250.D

Acq: 23 Sep 2018 5:06

Instrument :

BNA_F

ClientSampleId :

RA-091918-S-EW-059

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.1	17.1	25.7#
125	66.5	9.8	14.6#

Manual Integrations
APPROVED

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