

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109248.D
 Acq On : 23 Sep 2018 4:12
 Operator : JU/SJ
 Sample : J5017-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-N-EW-057

Manual Integrations
 APPROVED

Sohil
 9/24/2018 11:39:18 AM

Quant Time: Sep 24 08:26:08 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	100814	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	362145	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	148734	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	219762	20.00	ng	0.00
75) Chrysene-d12	13.84	240	201516	20.00	ng	0.00
86) Perylene-d12	15.24	264	171593	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	724694	118.40	ng	0.00
7) Phenol-d6	6.35	99	944675	120.95	ng	-0.01
23) Nitrobenzene-d5	7.27	82	586790	95.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	161484	110.14	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1002546	101.66	ng	-0.01
78) Terphenyl-d14	12.80	244	680381	82.86	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	201941	18.667	ng	98
70) Phenanthrene	11.23	178	125549	11.442	ng	99
71) Anthracene	11.29	178	35568	3.196	ng	96
74) Fluoranthene	12.42	202	119709	10.209	ng	95
77) Pyrene	12.65	202	124851	8.645	ng	98
80) Benzo(a)anthracene	13.83	228	66451	5.475	ng	96
82) Chrysene	13.86	228	62712m	5.213	ng	
87) Benzo(b)fluoranthene	14.84	252	50965m	5.405	ng	
89) Benzo(a)pyrene	15.18	252	35038	4.124	ng	# 87
91) Benzo(g,h,i)perylene	16.97	276	14758	2.154	ng	93

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

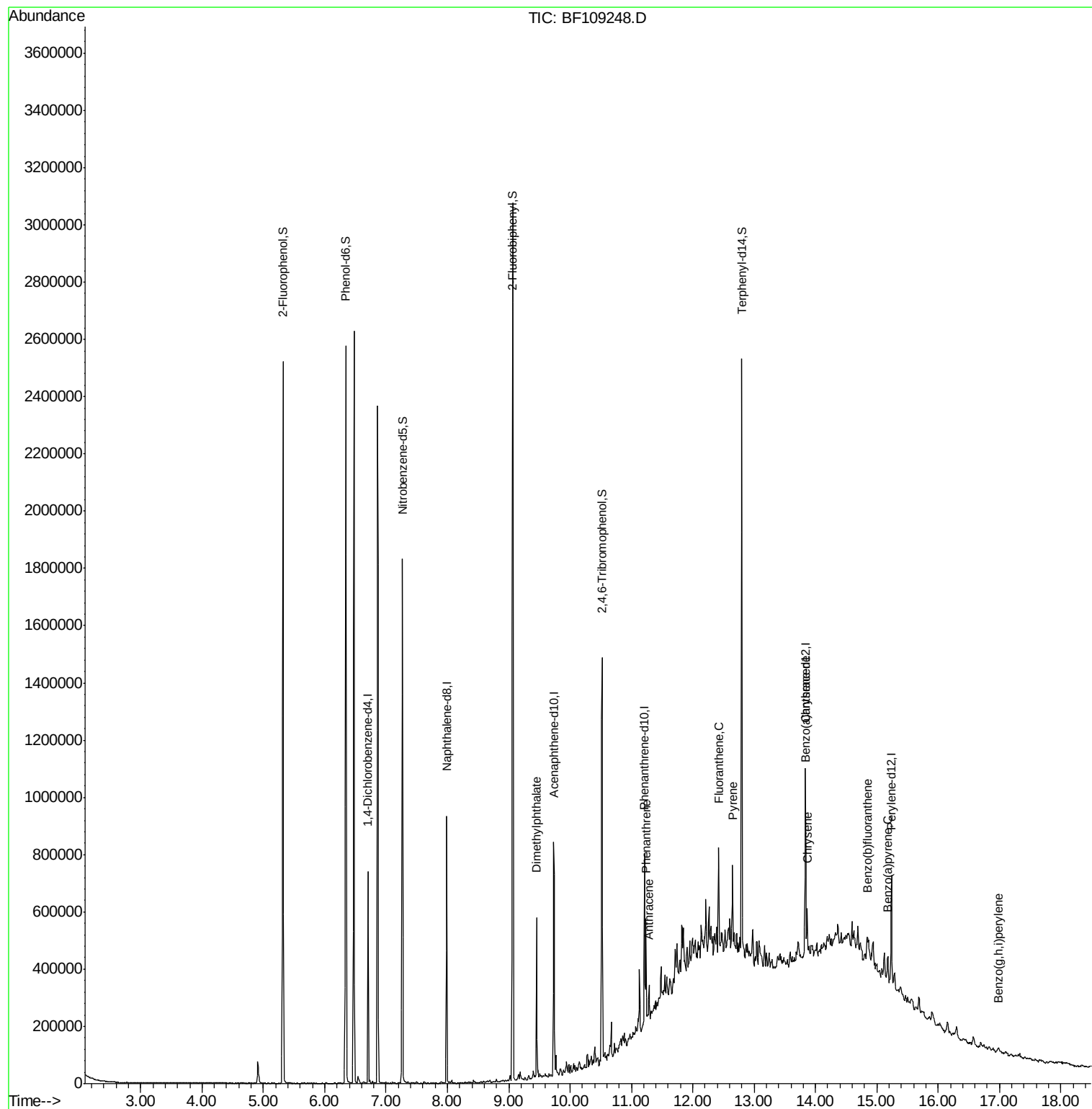
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109248.D
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Operator : JU/SJ
Sample : J5017-03
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ALS Vial : 30 Sample Multiplier: 1

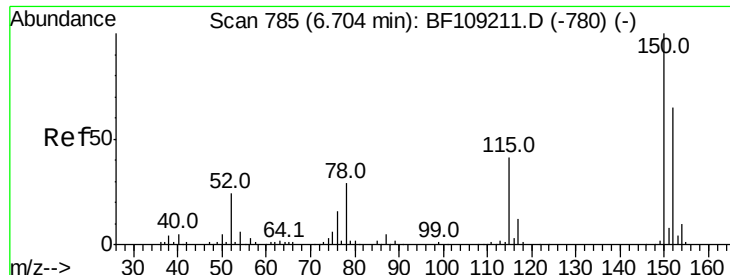
Instrument :
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#1

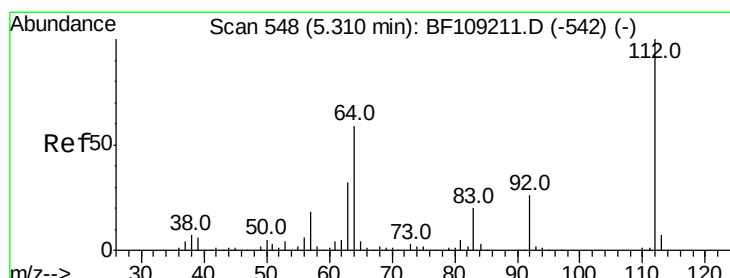
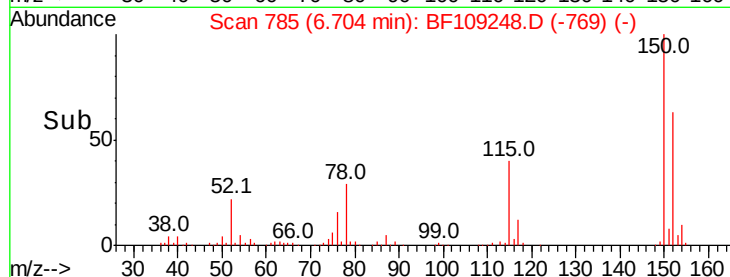
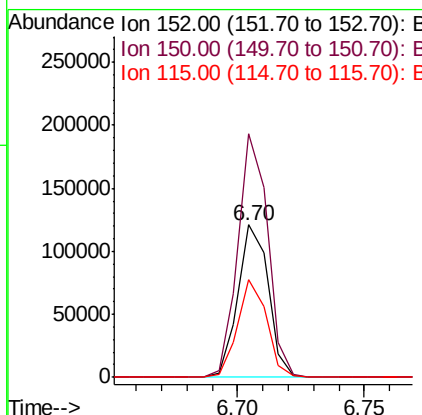
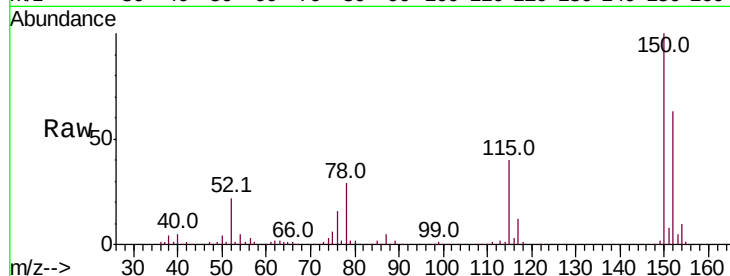
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :
RA-091918-N-EW-057

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	63.7	50.1	75.1

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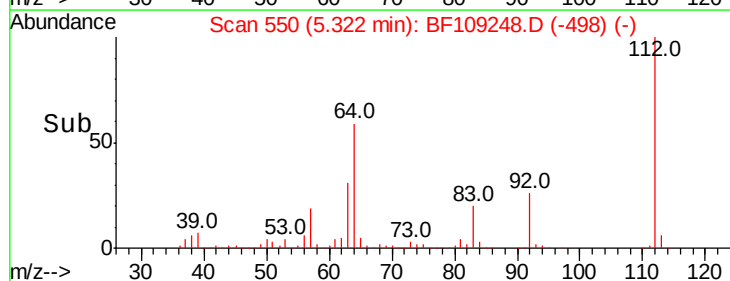
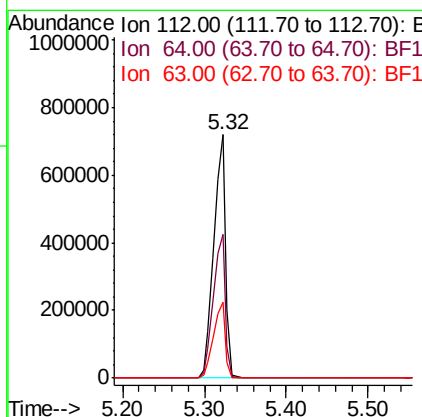
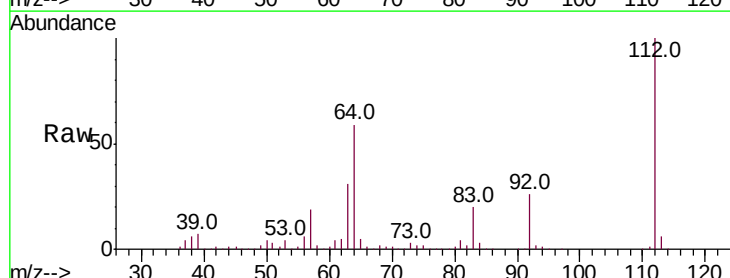
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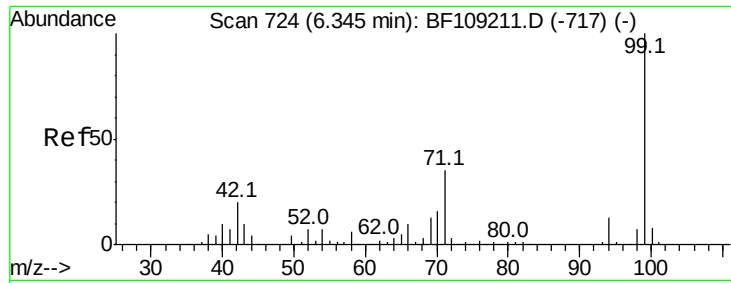


#5

2-Fluorophenol
Concen: 118.399 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 120.952 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

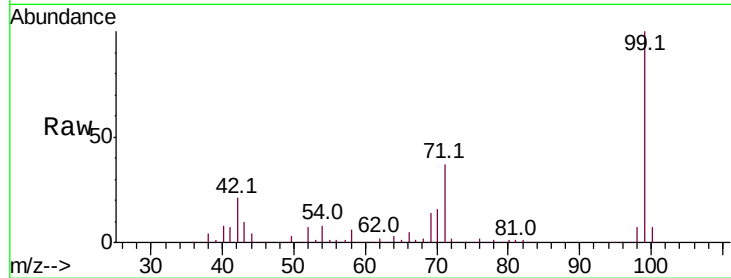
ClientSampleId :

RA-091918-N-EW-057

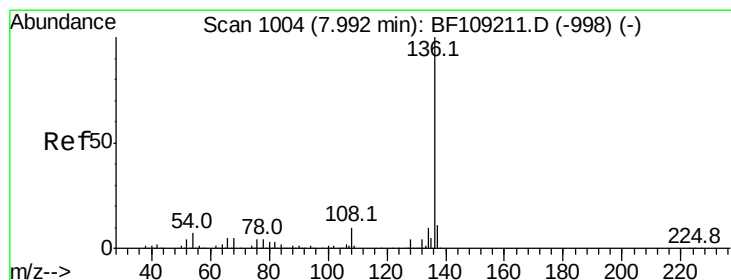
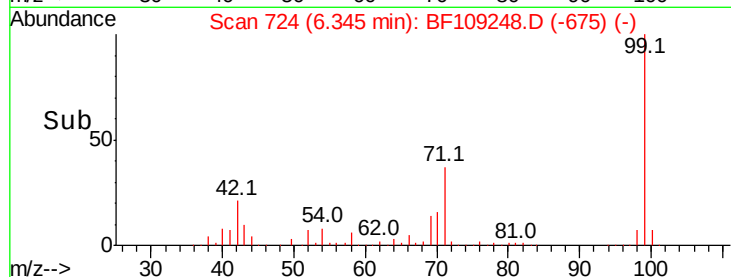
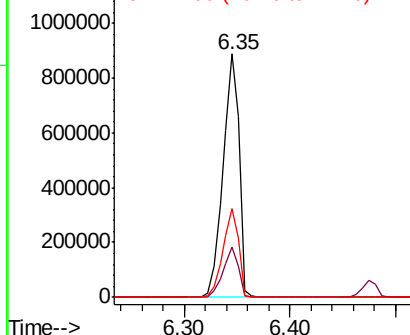
Tot Ion:	99	Resp:	944675
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	36.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

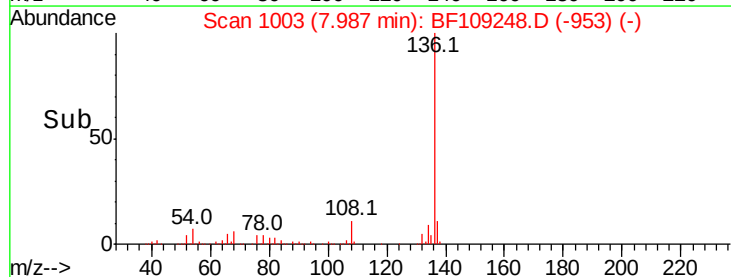
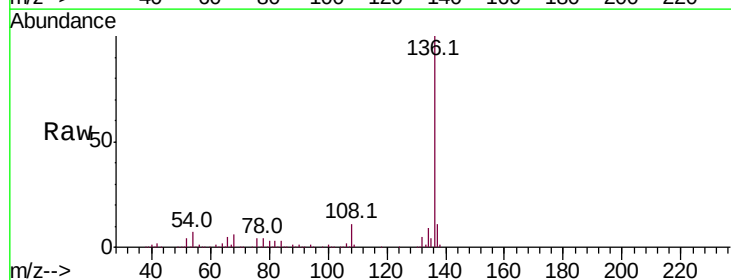
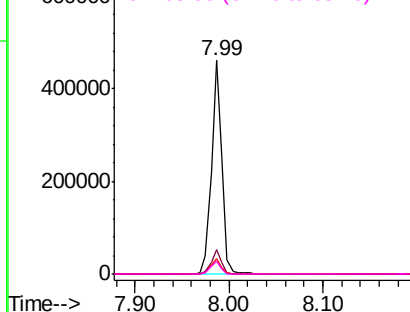
Delta R.T. -0.01 min

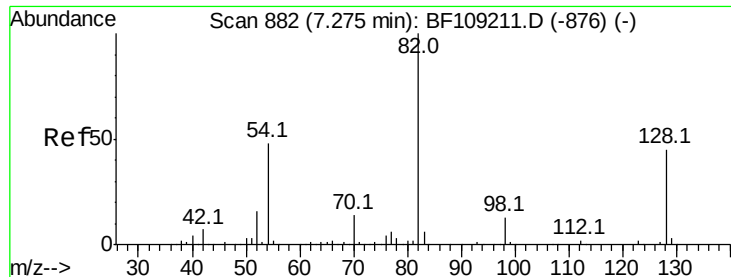
Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion:	136	Resp:	362145
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.3	6.6	9.8
68	5.8	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





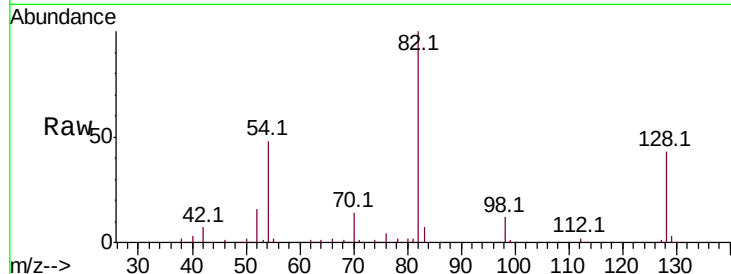
#23
 Nitrobenzene-d5
 Concen: 95.650 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

Instrument :
 BNA_F
 ClientSampleId :
 RA-091918-N-EW-057

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	47.9	41.4	62.2

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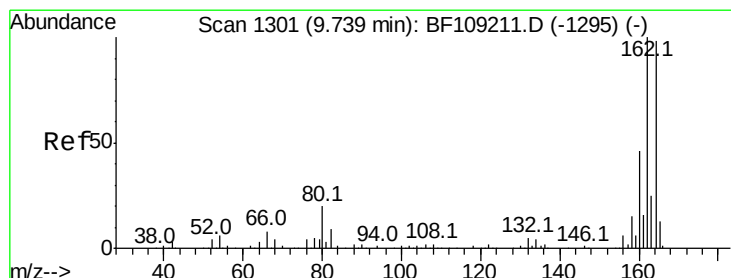
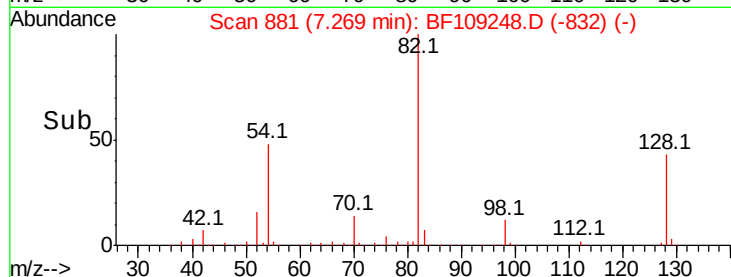
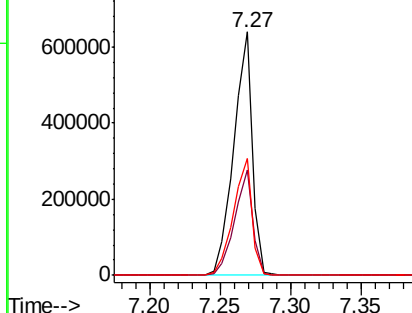


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

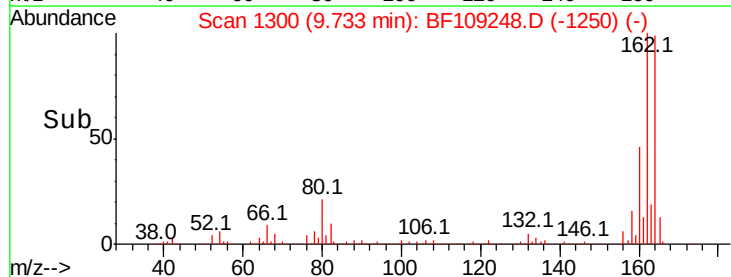
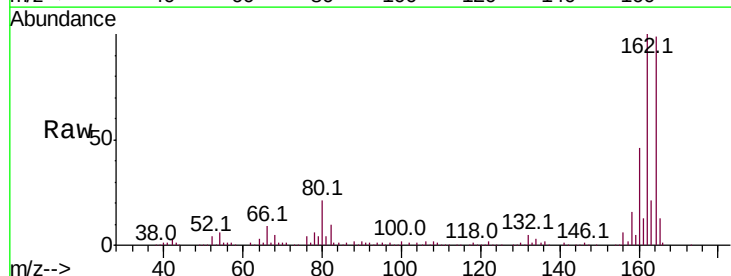
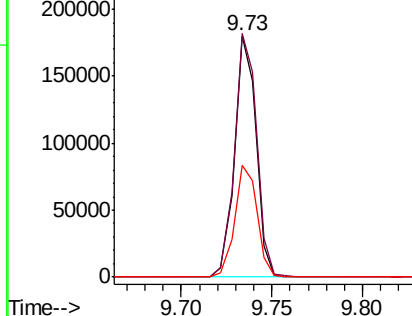
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.1	129.1
160	46.1	38.3	57.5

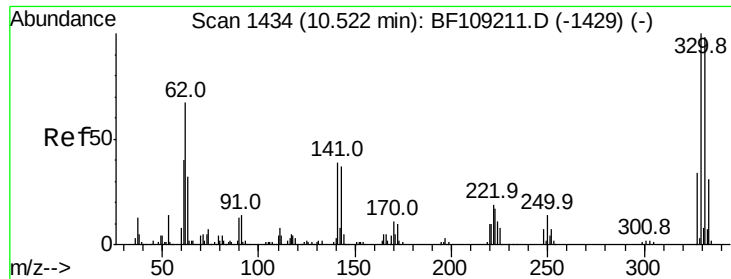
Abundance

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: 110.137 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

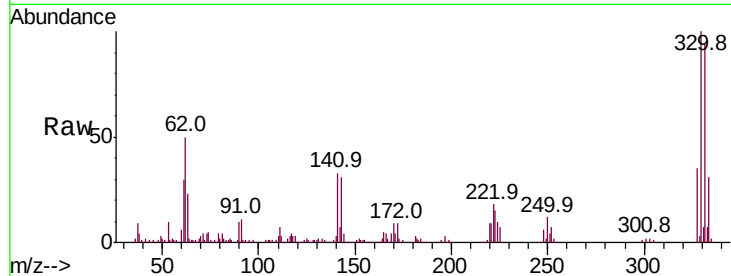
ClientSampleId :

RA-091918-N-EW-057

Tot Ion:	330	Resp:	161484
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.0	115.6
141	36.2	29.9	44.9

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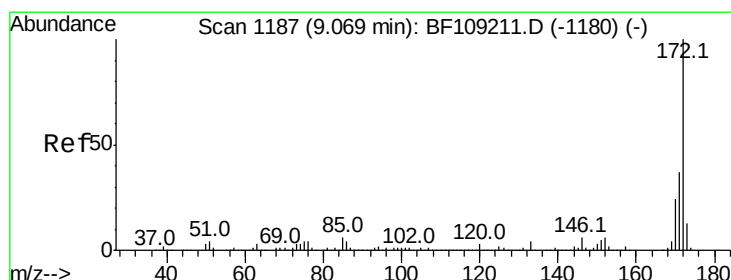
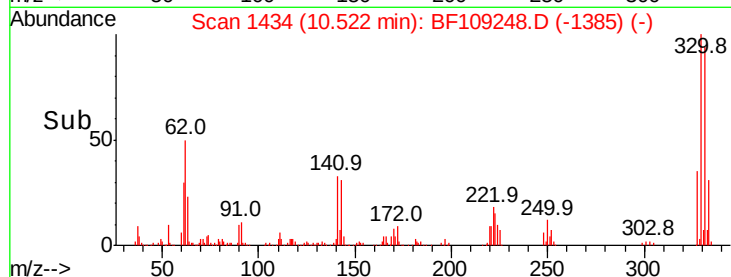
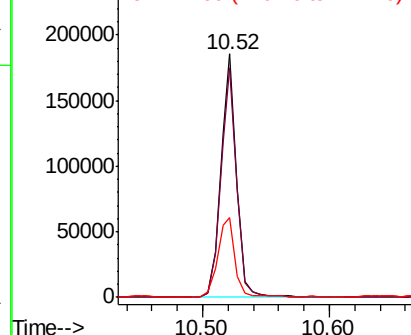


Abundance

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: 101.660 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

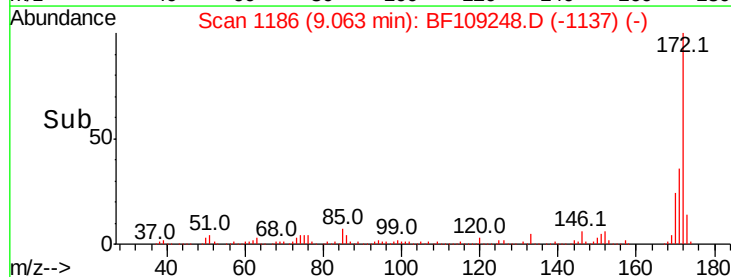
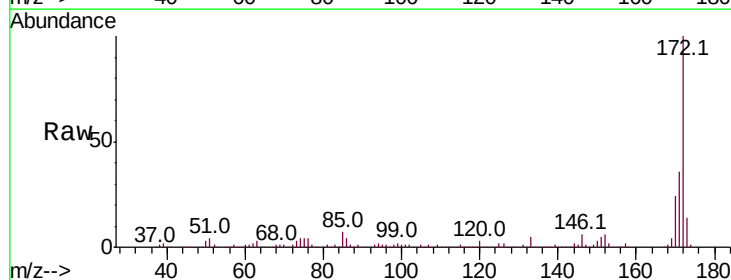
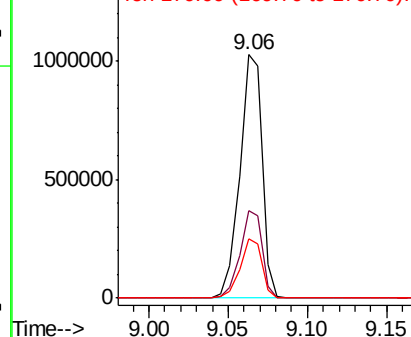
Tgt Ion:	172	Resp:	1002546
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	24.2	19.6	29.4

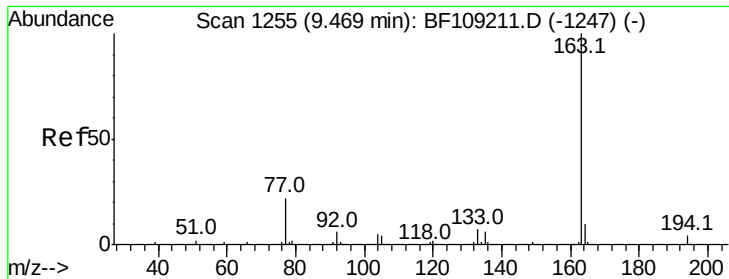
Abundance

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





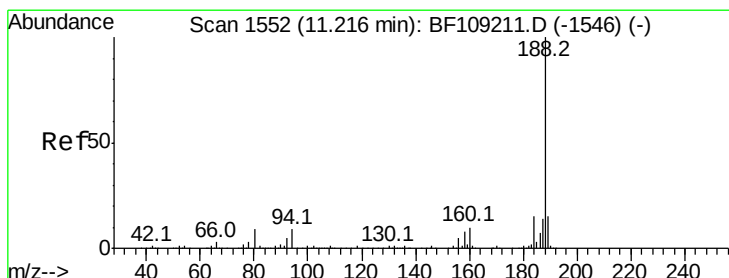
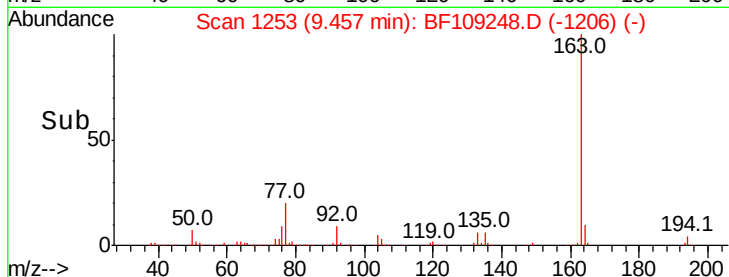
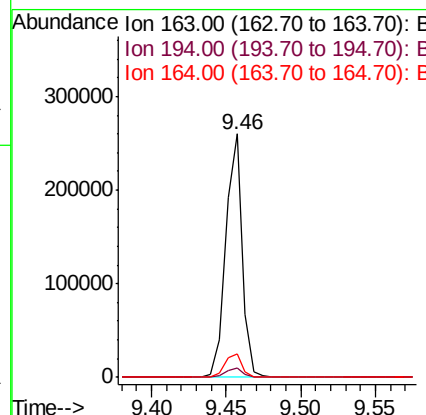
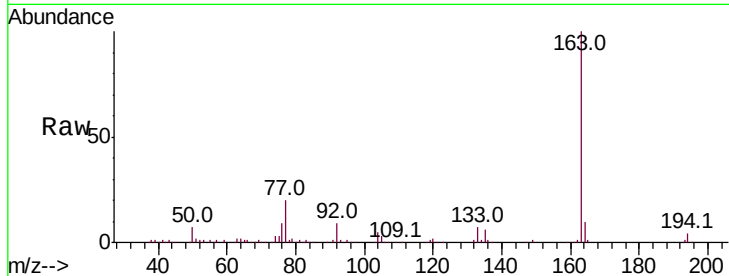
#49
Dimethylphthalate
Concen: 18.667 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :
RA-091918-N-EW-057

Tot Ion	Ratio	Resp	Lower	Upper
163	100	201941		
194	3.8	2.7	4.1	
164	9.6	8.2	12.2	

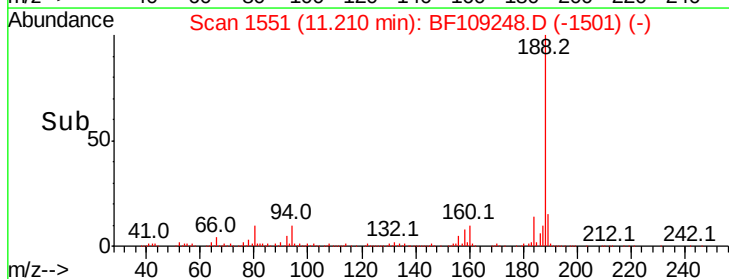
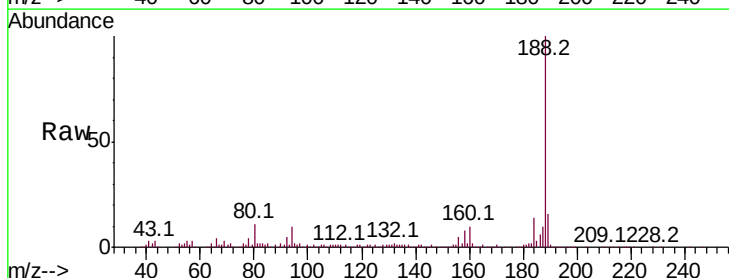
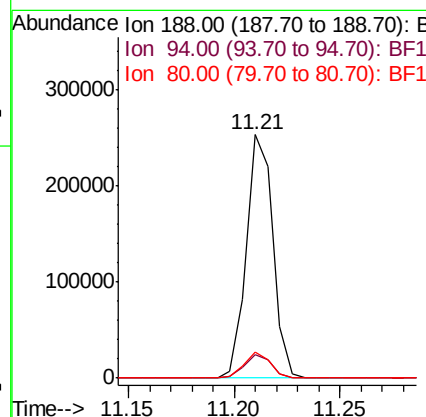
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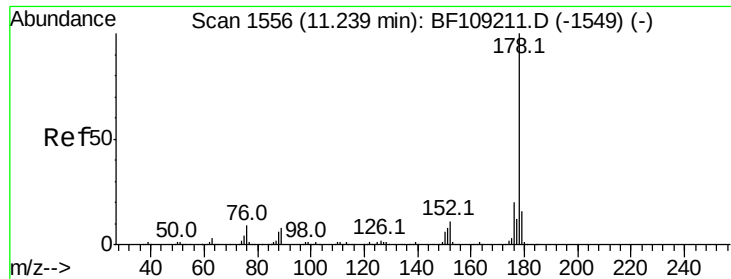
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	219762		
94	9.8	8.5	12.7	
80	10.5	9.2	13.8	





#70

Phenanthrene

Concen: 11.442 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

RA-091918-N-EW-057

Tot Ion:178 Resp: 125549

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

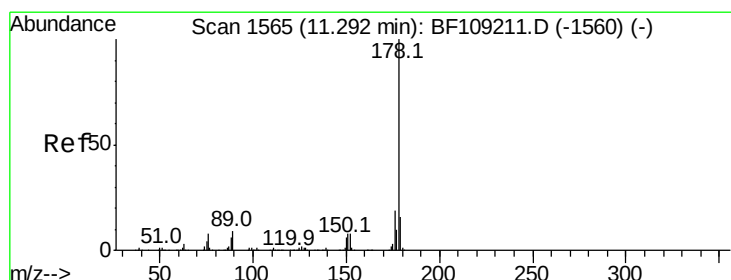
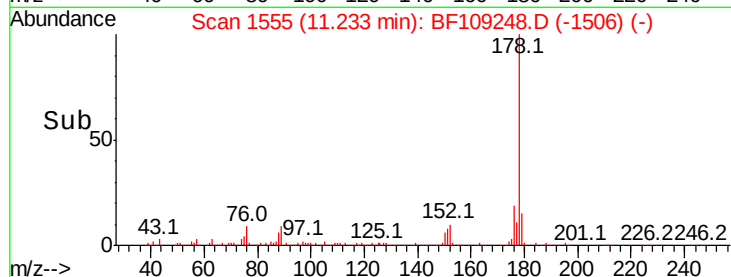
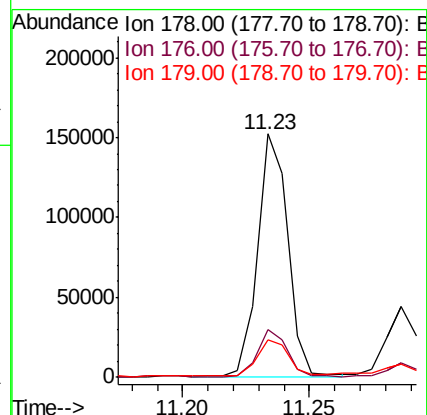
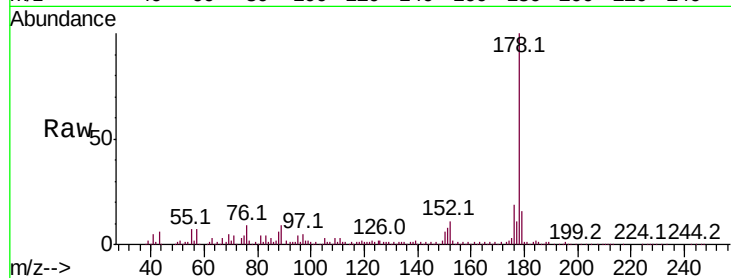
179 15.6 13.0 19.6

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#71

Anthracene

Concen: 3.196 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

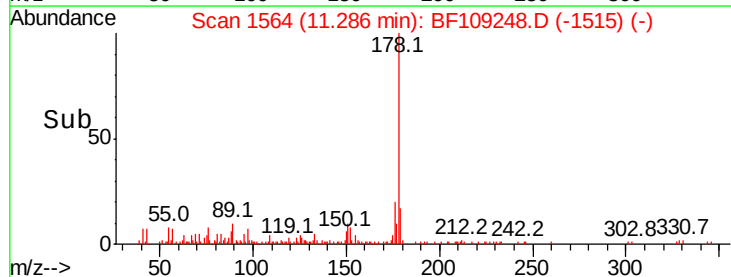
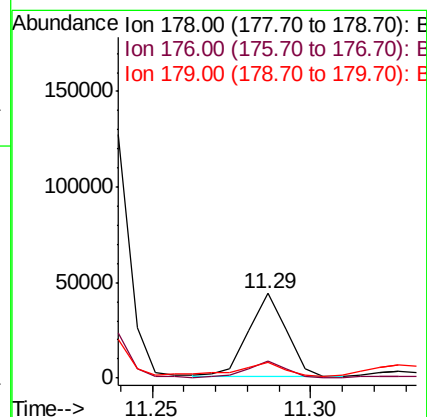
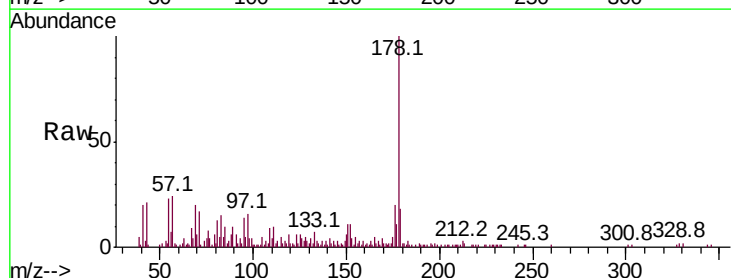
Tgt Ion:178 Resp: 35568

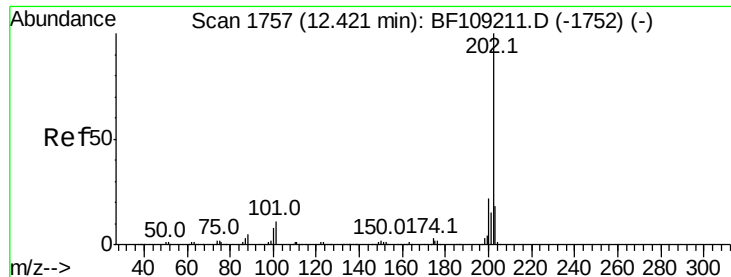
Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

179 18.2 12.6 19.0





#74

Fluoranthene

Concen: 10.209 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

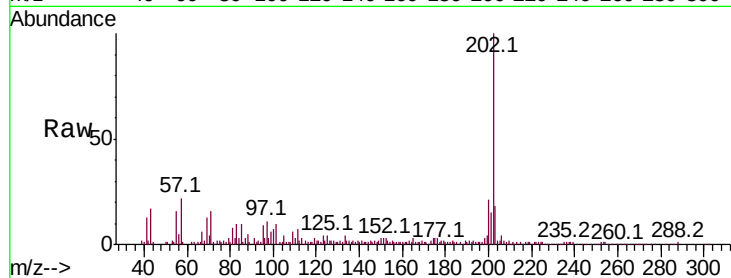
ClientSampleId :

RA-091918-N-EW-057

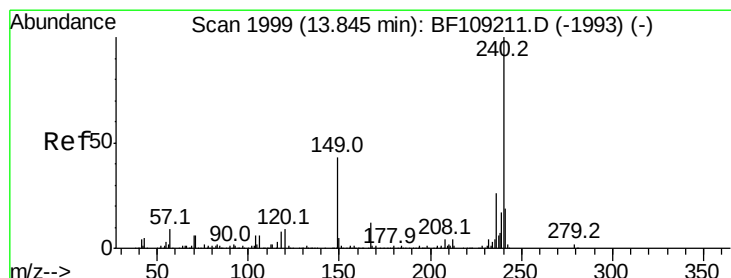
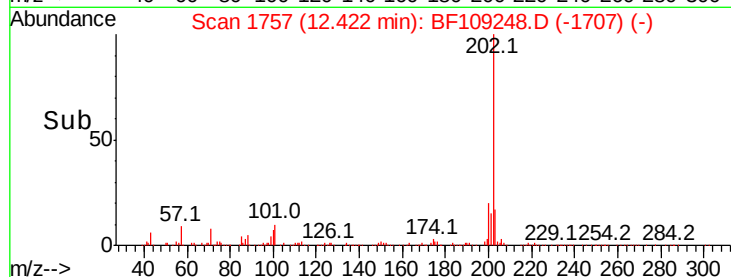
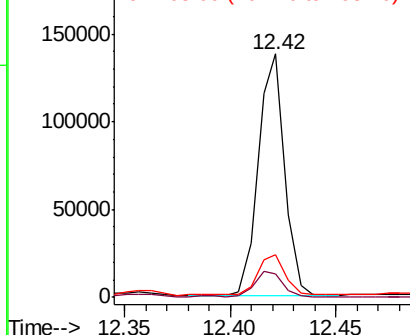
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

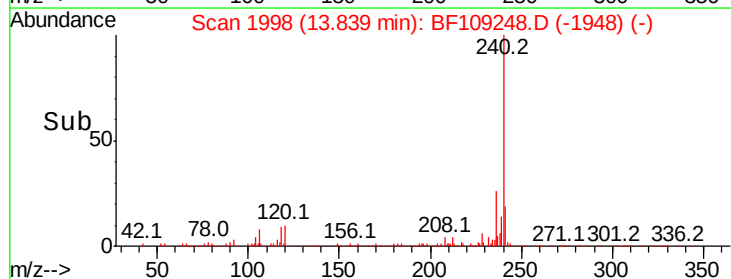
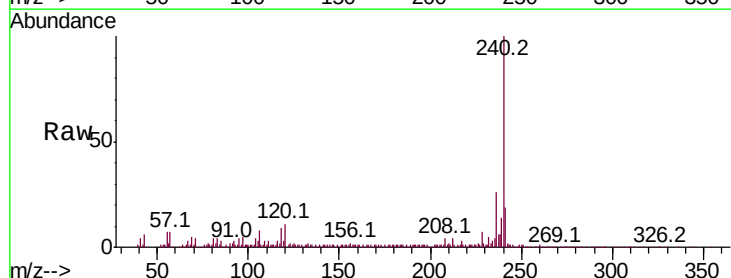
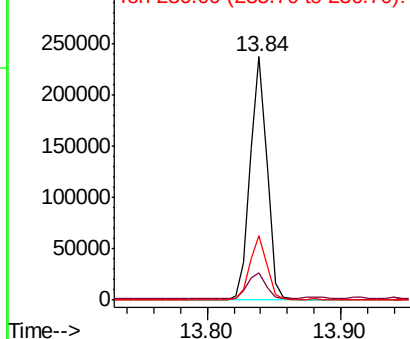
Delta R.T. -0.01 min

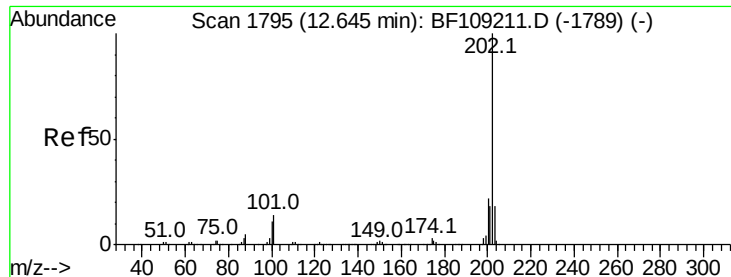
Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.3	20.7	31.1

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

Pvrene

Concen: 8.645 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

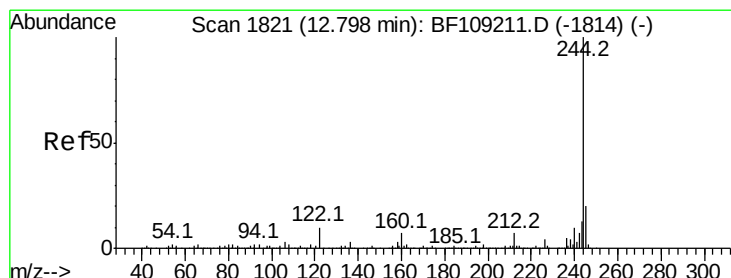
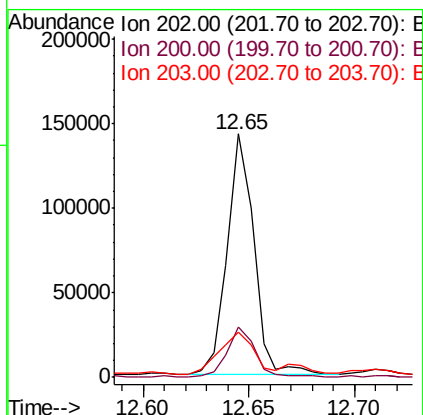
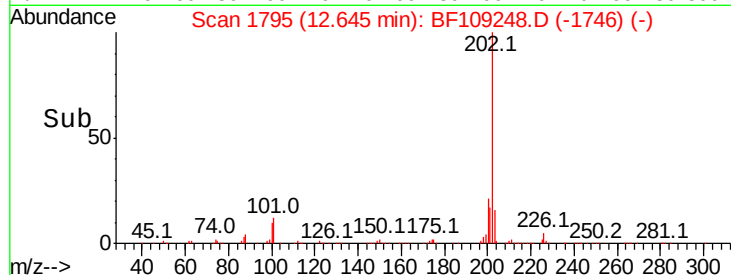
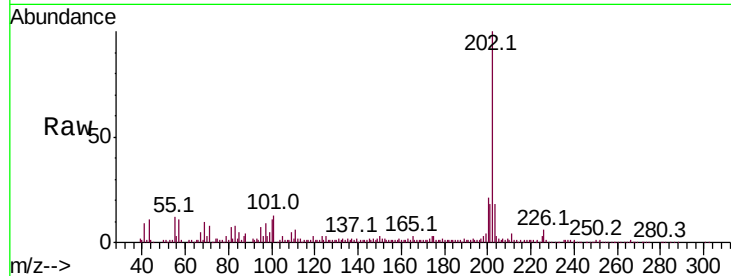
ClientSampleId :

RA-091918-N-EW-057

Tot Ion:	202	Resp:	124851
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	18.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 82.860 ng

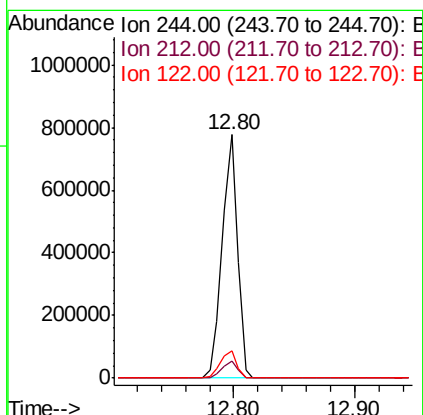
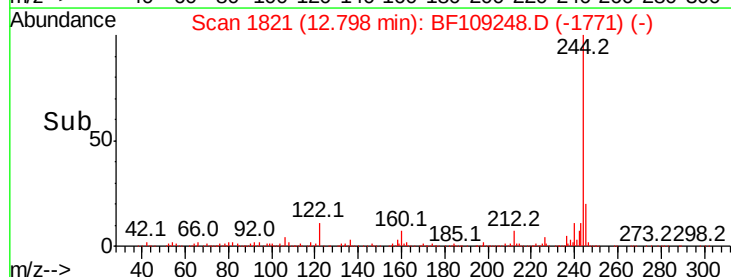
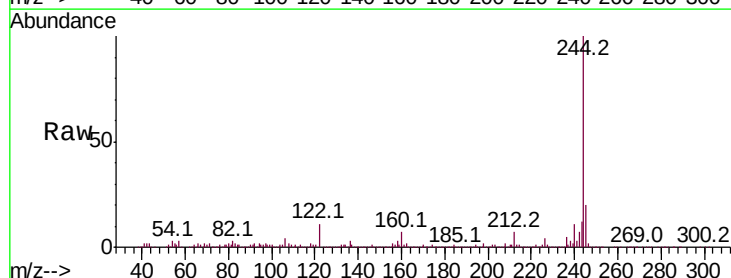
RT: 12.80 min Scan# 1821

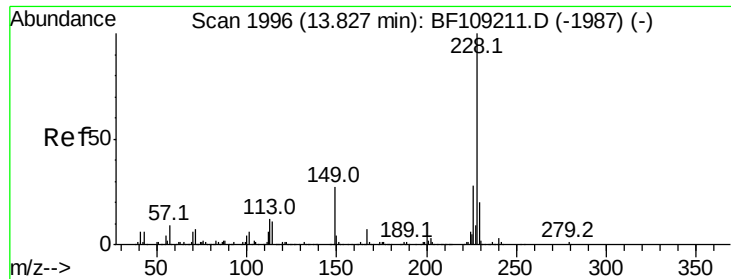
Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion:	244	Resp:	680381
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.1	11.0	16.4





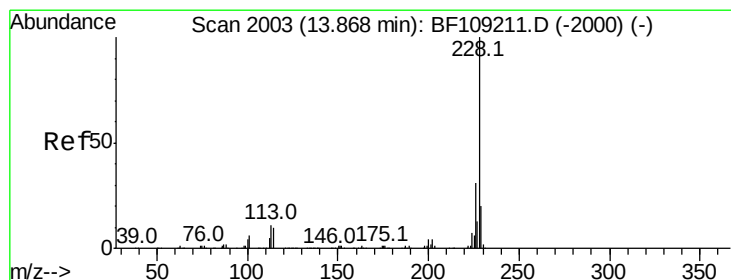
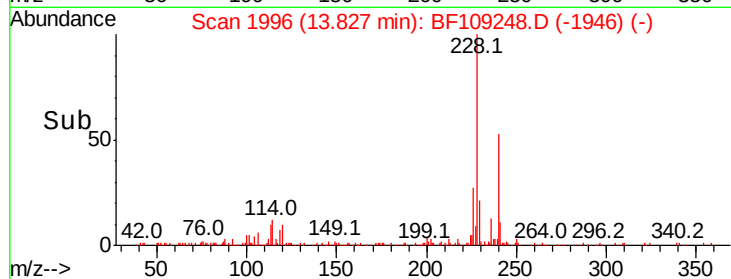
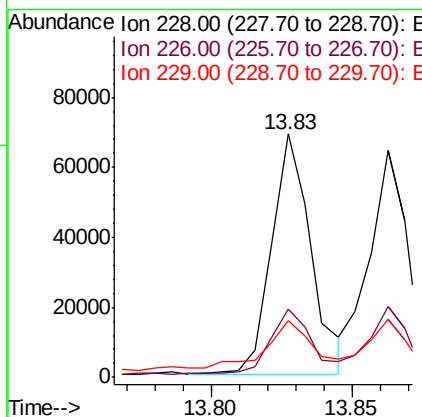
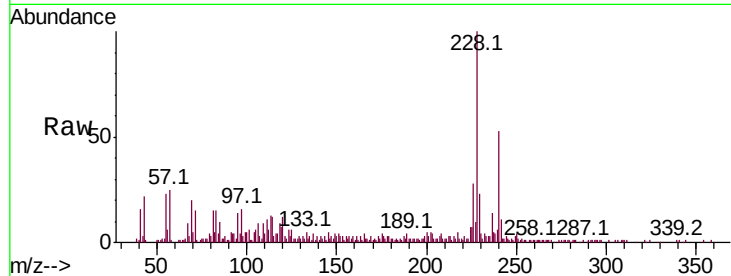
#80
Benzo(a)anthracene
Concen: 5.475 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :
RA-091918-N-EW-057

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	23.1	15.8	23.6

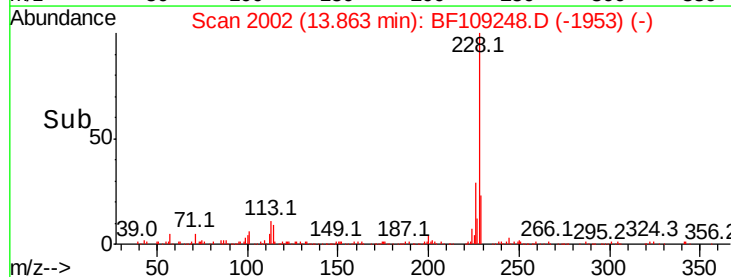
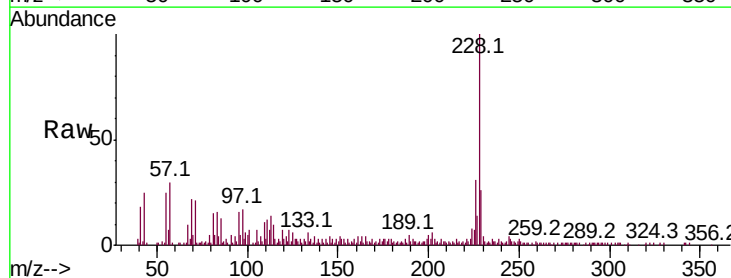
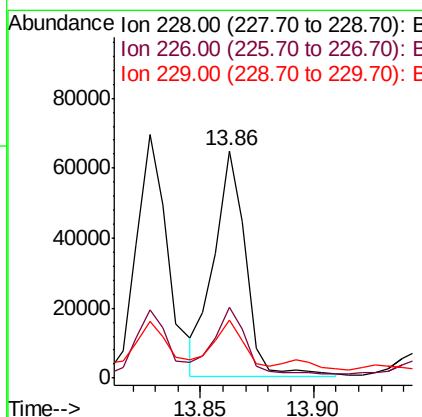
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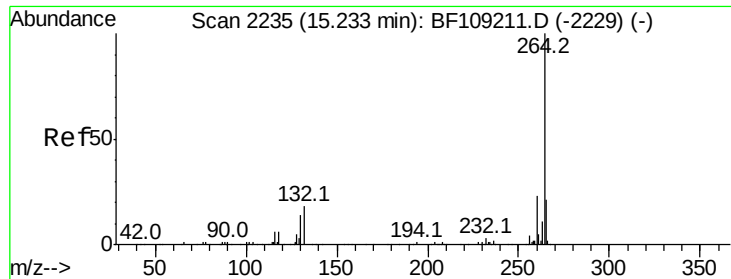
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#82
Chrysene
Concen: 5.213 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	25.6	16.2	24.4#





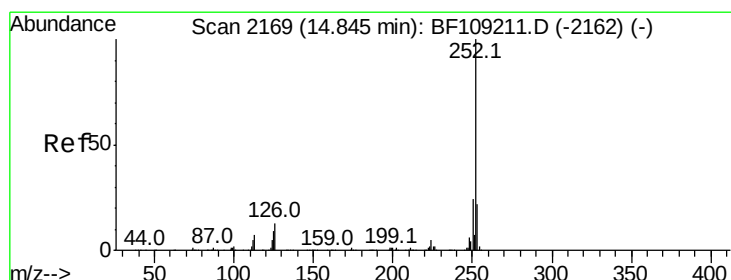
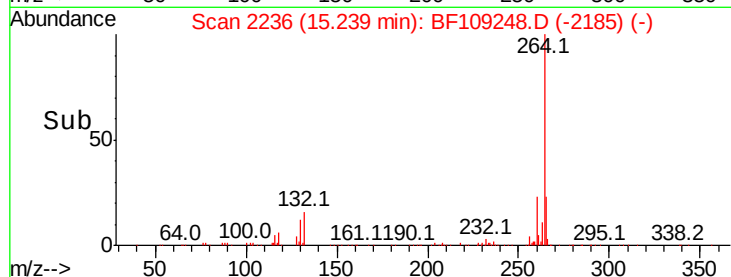
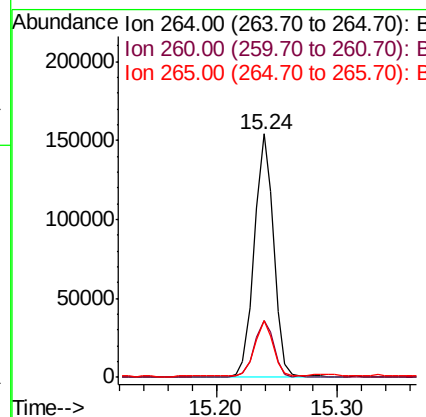
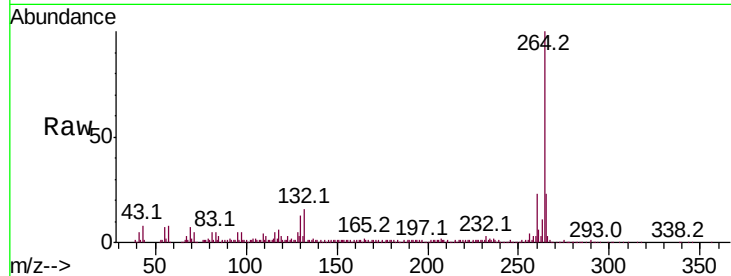
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :
RA-091918-N-EW-057

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.1	17.5	26.3

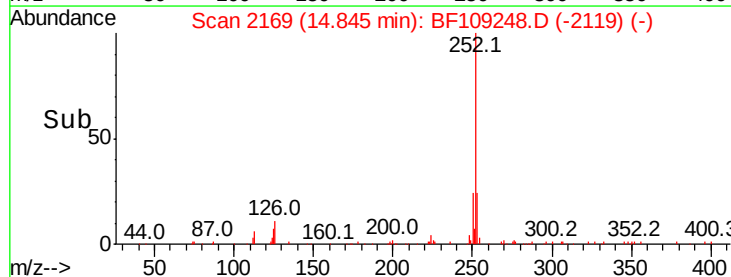
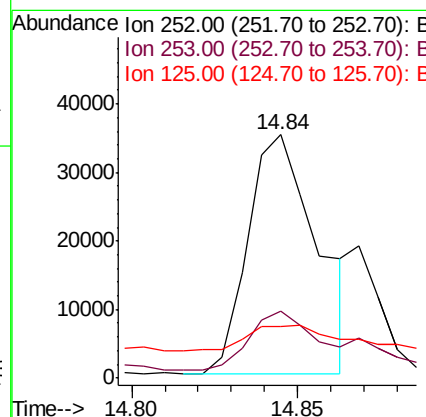
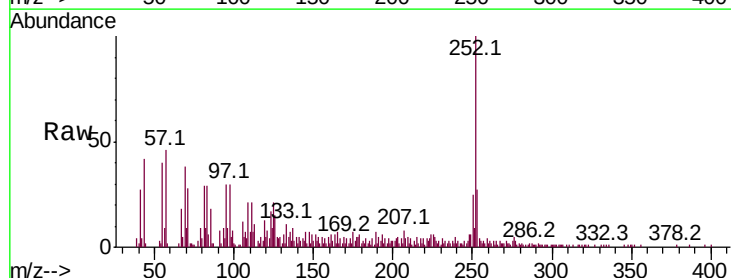
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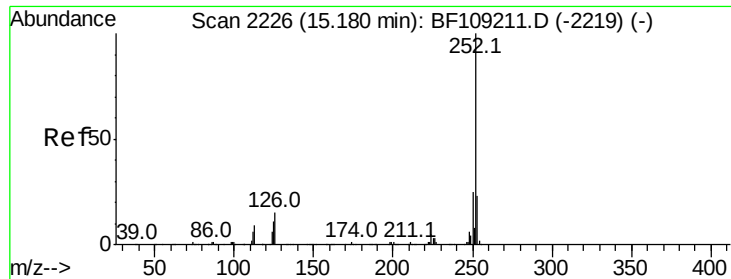
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#87
Benzo(b)fluoranthene
Concen: 5.405 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.0	25.6#
125	21.2	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 4.124 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

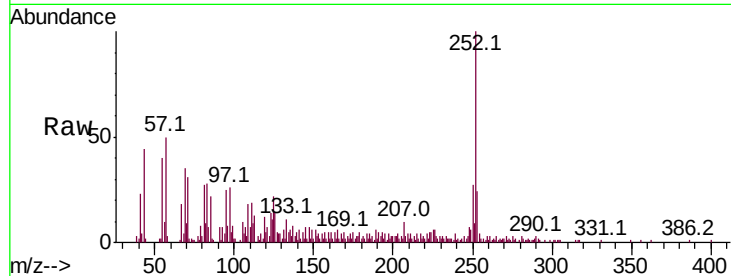
ClientSampleId :

RA-091918-N-EW-057

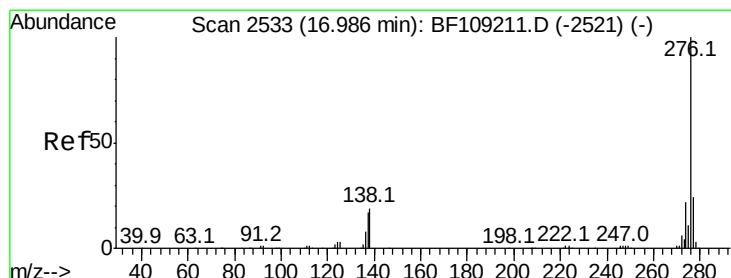
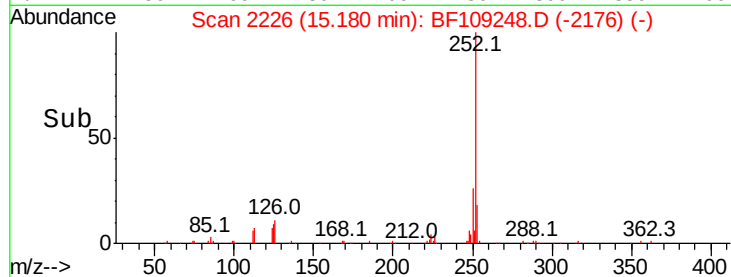
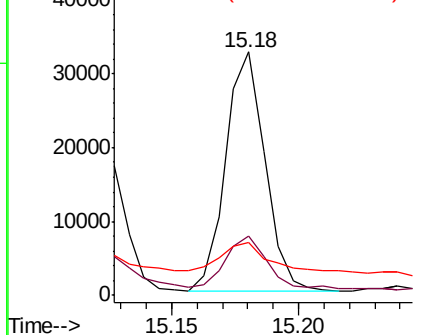
Tot Ion:	252	Resp:	35038
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.1	25.7
125	21.6	9.8	14.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.154 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion:	276	Resp:	14758
Ion Ratio	Lower	Upper	
276	100		
277	26.5	17.9	26.9
138	24.2	21.8	32.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

