

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108894.D
 Acq On : 10 Sep 2018 15:50
 Operator : JU/SJ
 Sample : J4777-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-A

Manual Integrations
 APPROVED

Sohil
 9/11/2018 9:26:12 AM

Quant Time: Sep 10 16:38:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	202873	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	736774	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	305188	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	482790	20.00	ng	0.00
75) Chrysene-d12	13.88	240	512187	20.00	ng	0.01
86) Perylene-d12	15.29	264	422923	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	258841	21.14	ng	0.00
7) Phenol-d6	6.37	99	321056	20.38	ng	0.00
23) Nitrobenzene-d5	7.29	82	181628	15.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	50692	17.40	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	334390	18.69	ng	0.00
78) Terphenyl-d14	12.82	244	263371	11.99	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	76438	3.581	ng	98
70) Phenanthrene	11.27	178	115946	5.029	ng	98
74) Fluoranthene	12.45	202	255360	11.187	ng	97
77) Pyrene	12.68	202	257171	6.525	ng	98
80) Benzo(a)anthracene	13.87	228	144964	4.416	ng	96
82) Chrysene	13.90	228	141699	4.459	ng	96
87) Benzo(b)fluoranthene	14.88	252	164767m	7.165	ng	
88) Benzo(k)fluoranthene	14.91	252	55765m	2.633	ng	
89) Benzo(a)pyrene	15.22	252	105058	5.063	ng	# 90
91) Benzo(g,h,i)perylene	17.05	276	44949	2.455	ng	93

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

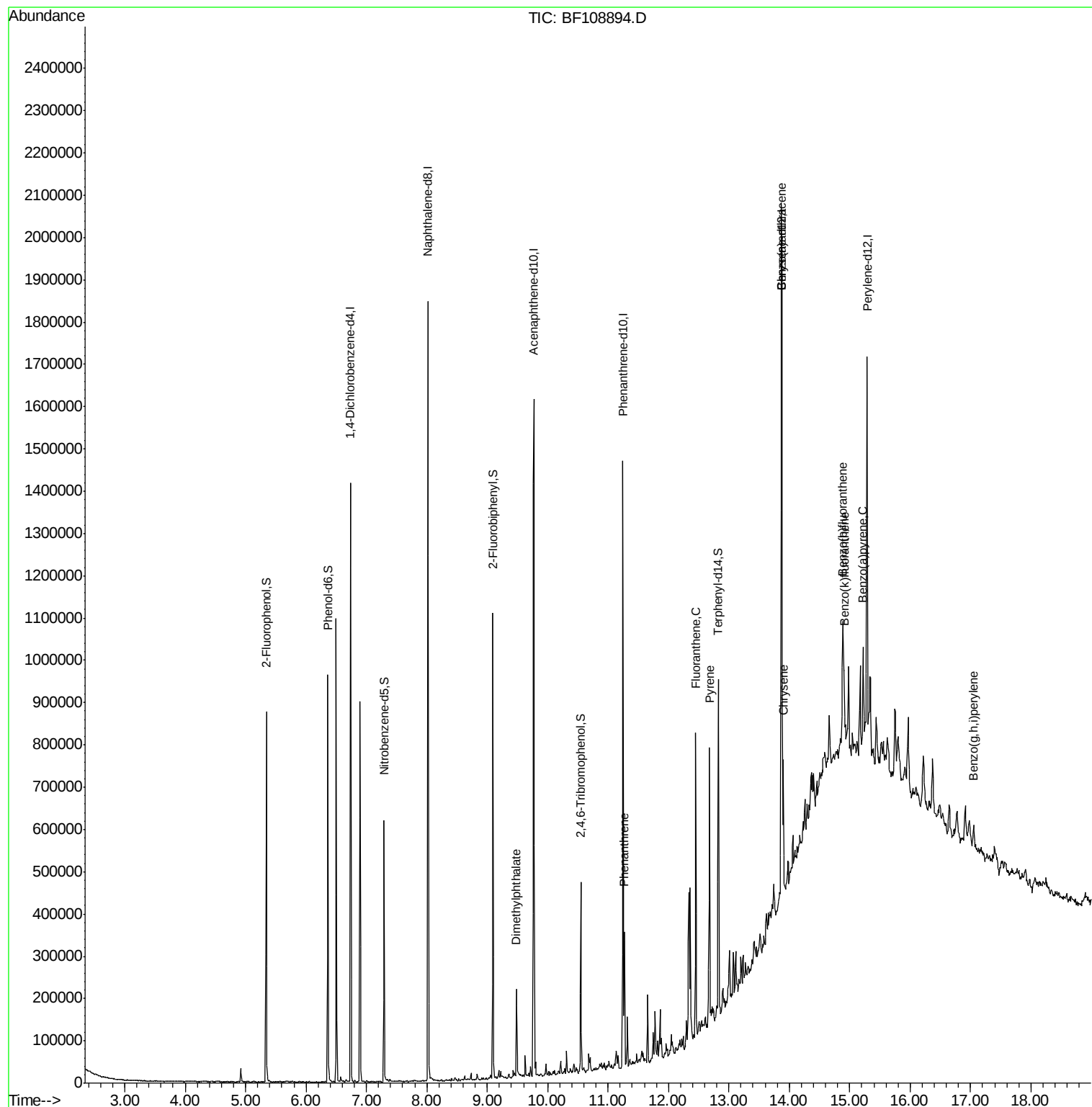
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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#1

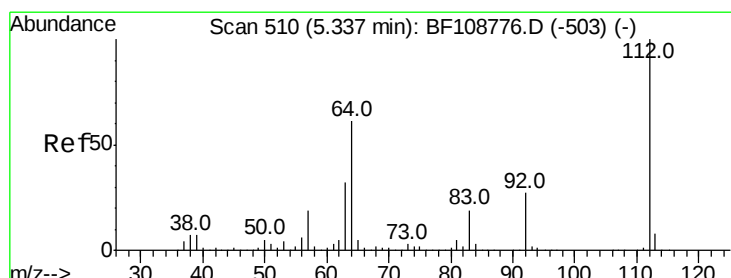
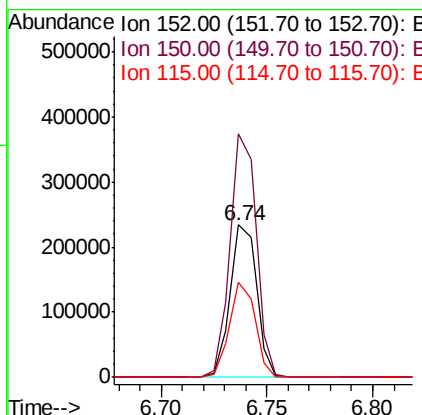
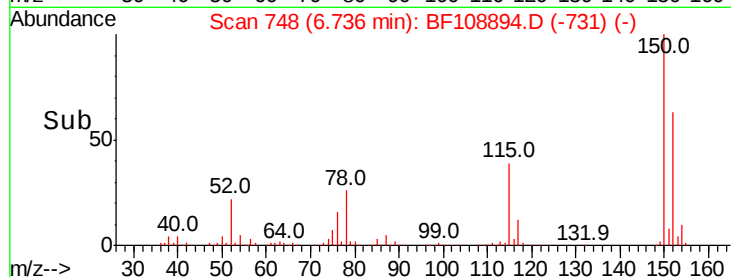
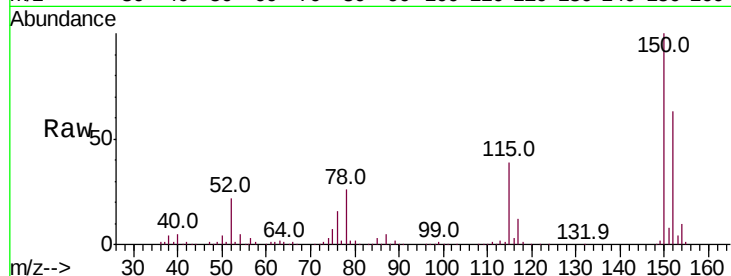
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	62.8	50.1	75.1

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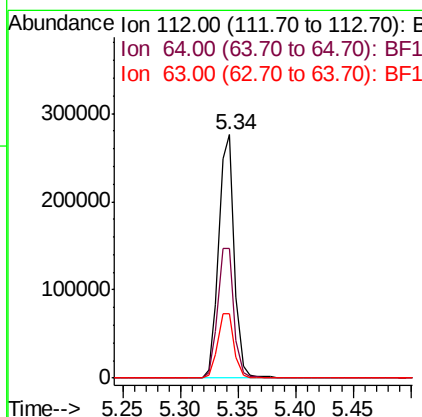
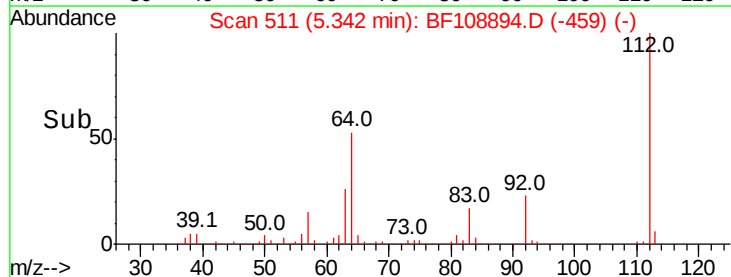
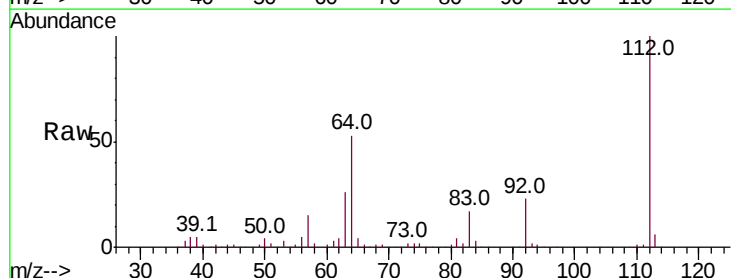
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#5

2-Fluorophenol
Concen: 21.137 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	26.2	23.7	35.5





#7

Phenol-d6

Concen: 20.376 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

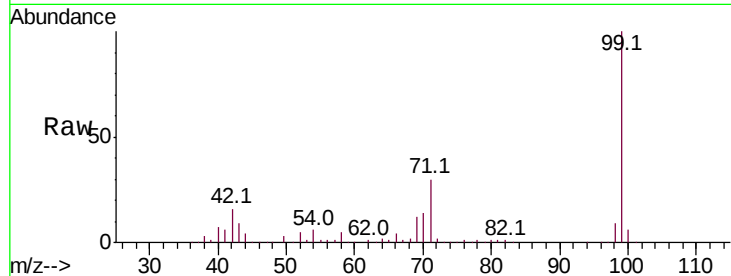
ClientSampleId :

PL-05-090718-A

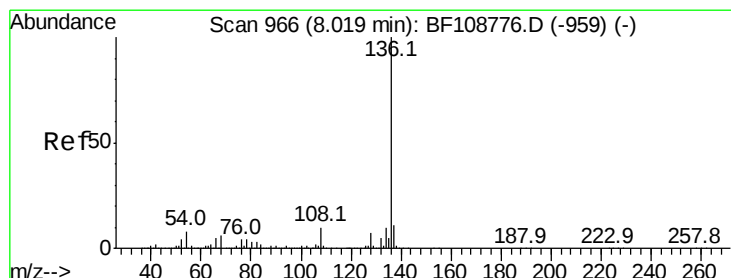
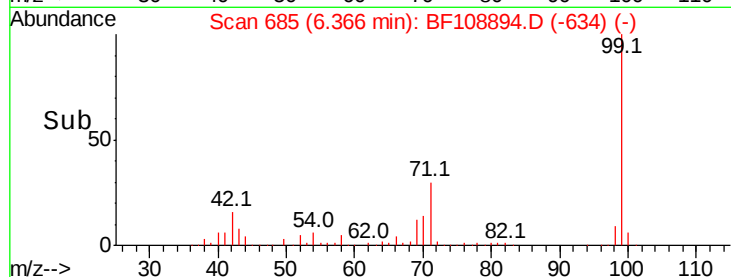
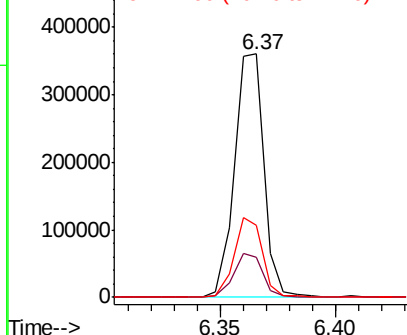
Tot Ion	Ratio	Resp	Lower	Upper
99	100	321056		
42	16.2		14.5	21.7
71	29.8		25.4	38.0

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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: 8.02 min Scan# 966

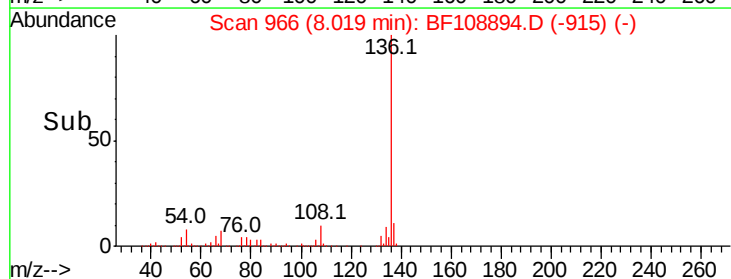
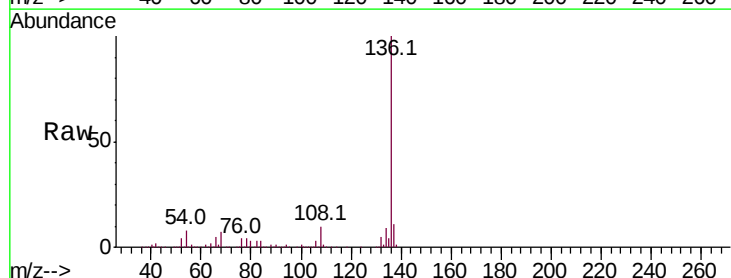
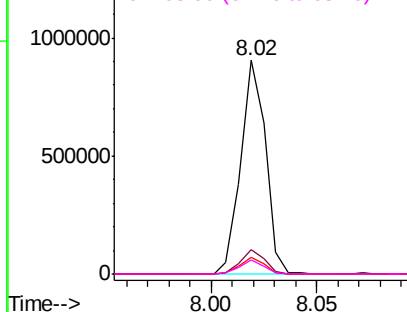
Delta R.T. -0.00 min

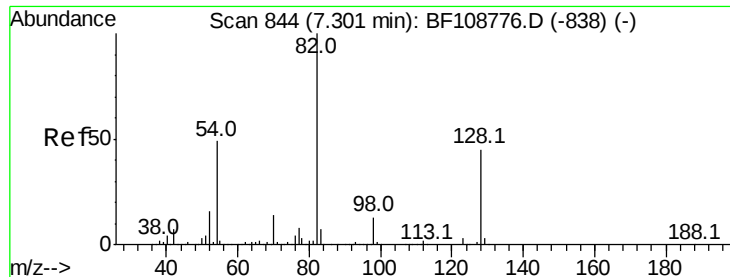
Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	736774		
137	11.5		8.9	13.3
54	8.1		6.6	9.8
68	6.7		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





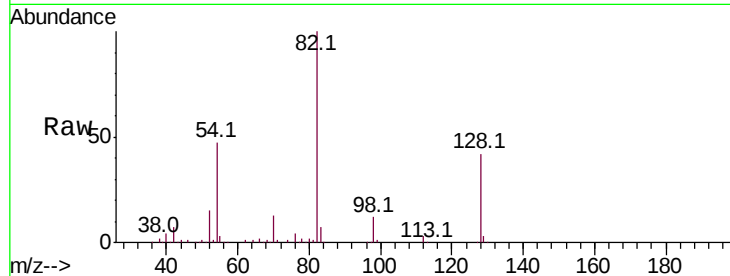
#23
 Nitrobenzene-d5
 Concen: 15.427 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108894.D
 Acq: 10 Sep 2018 15:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	36.1	54.1	
54	47.5	41.4	62.2	

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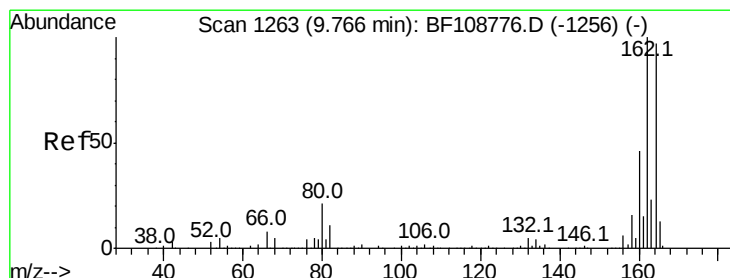
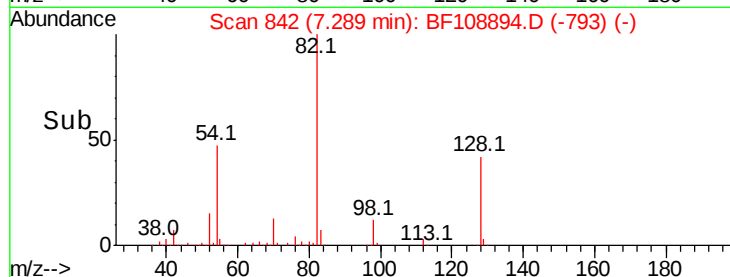
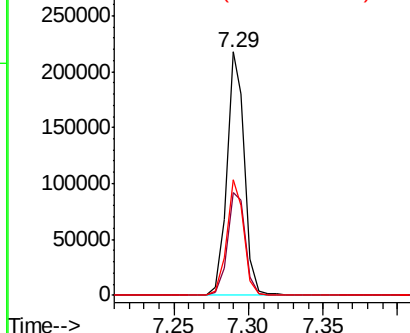


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF108894.D
 Acq: 10 Sep 2018 15:50

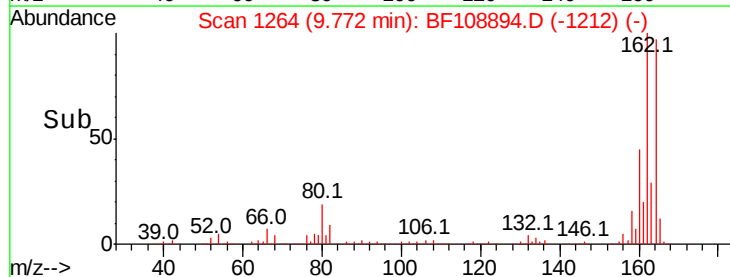
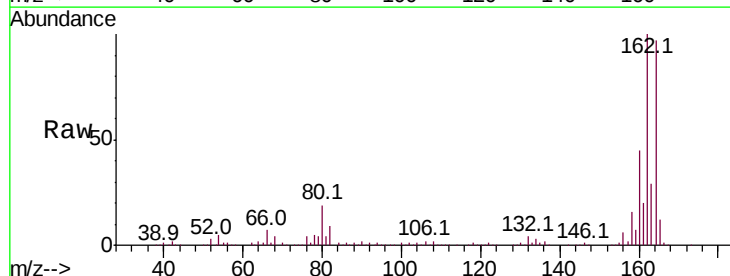
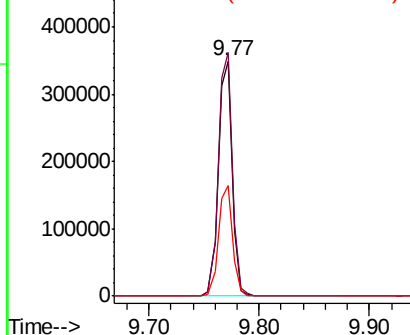
Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	86.1	129.1	
160	46.8	38.3	57.5	

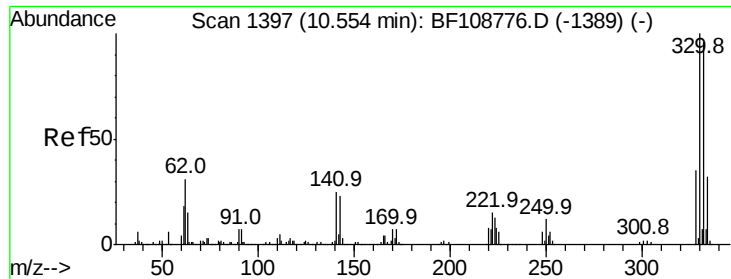
Abundance

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: 17.399 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

ClientSampleId :

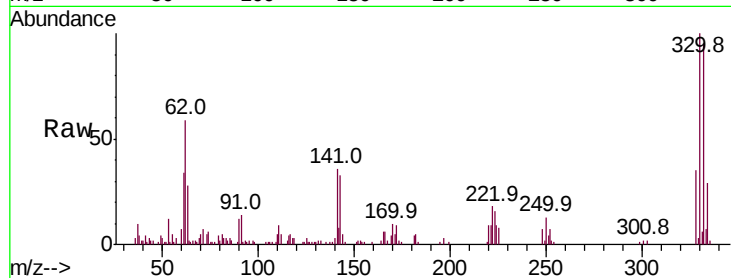
PL-05-090718-A

Tot Ion:	330	Resp:	50692
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.0	115.6
141	32.8	29.9	44.9

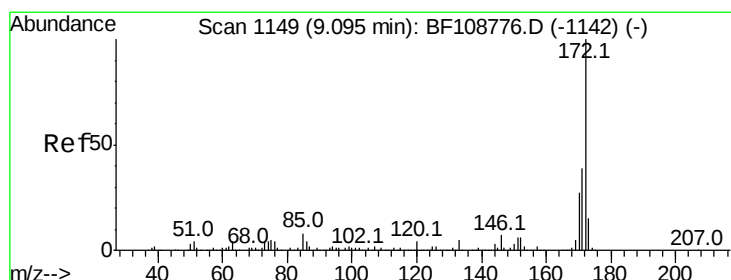
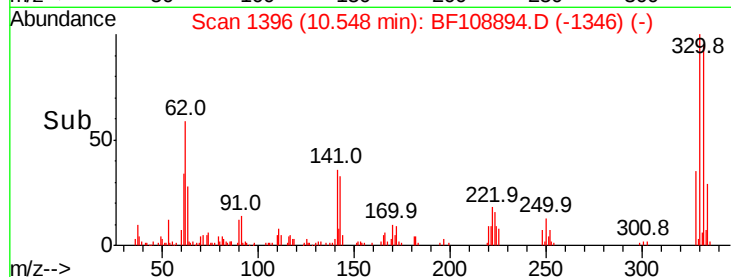
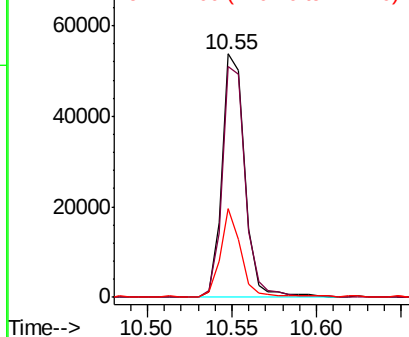
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 18.692 ng

RT: 9.10 min Scan# 1149

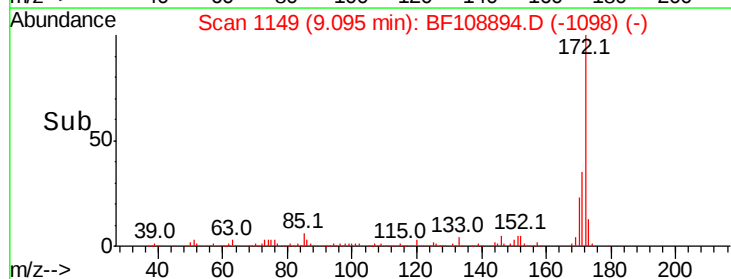
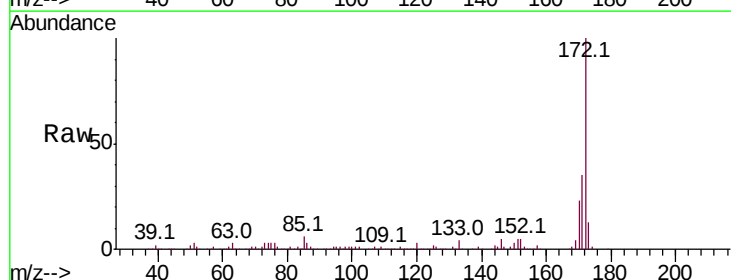
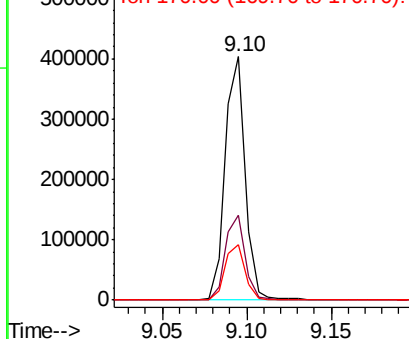
Delta R.T. -0.00 min

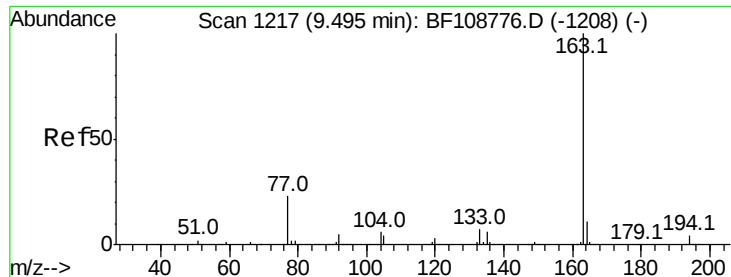
Lab File: BF108894.D

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Tgt Ion:	172	Resp:	334390
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.0	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





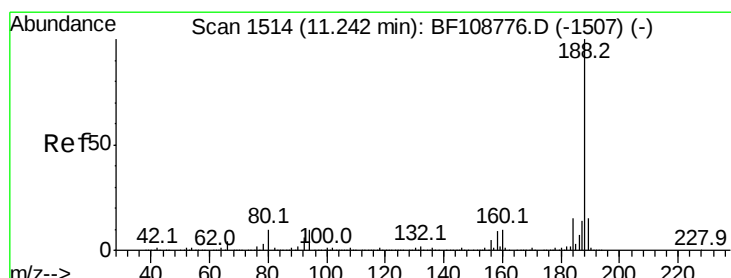
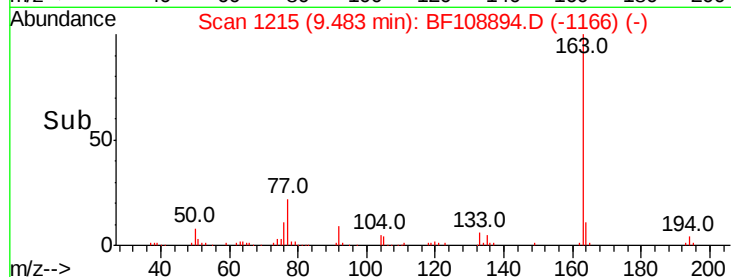
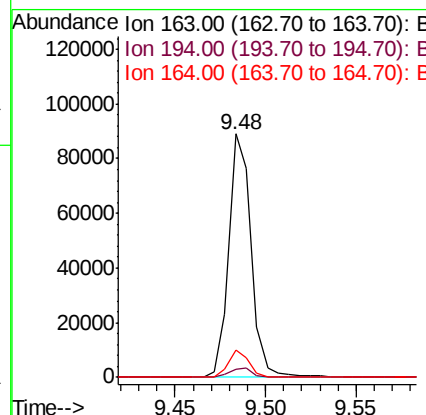
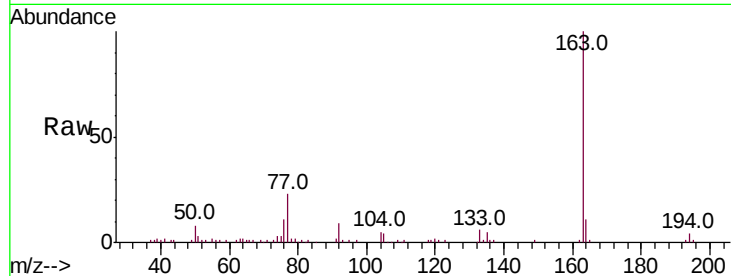
#49
Dimethylphthalate
Concen: 3.581 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Instrument :
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ClientSampleId :
PL-05-090718-A

Tot Ion:	163	Resp:	76438
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	11.4	8.2	12.2

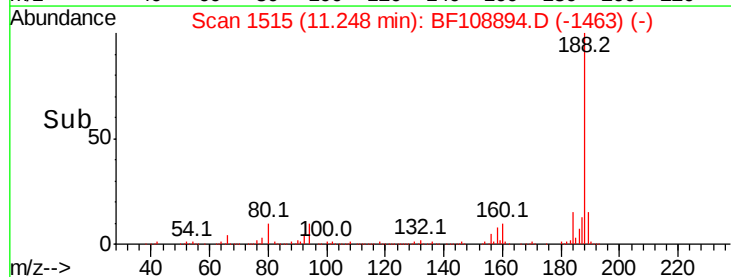
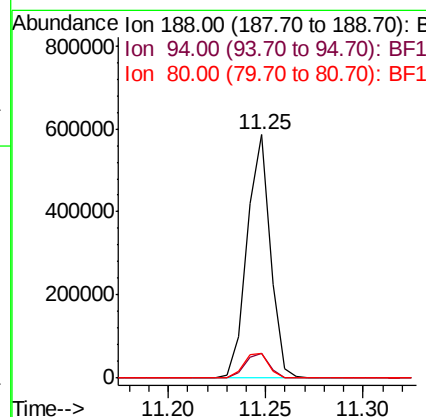
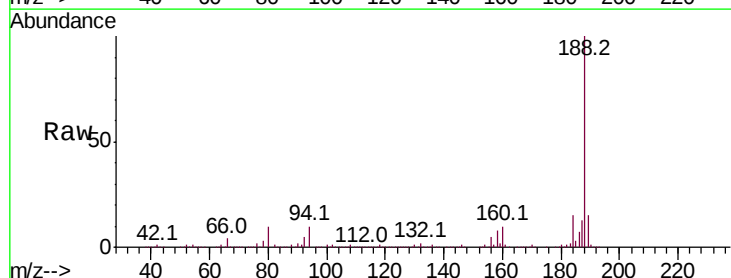
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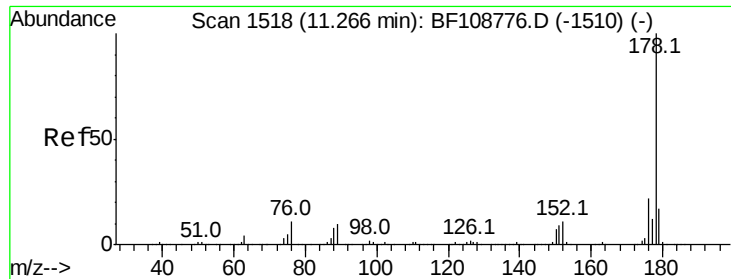
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Tgt Ion:	188	Resp:	482790
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.0	9.2	13.8





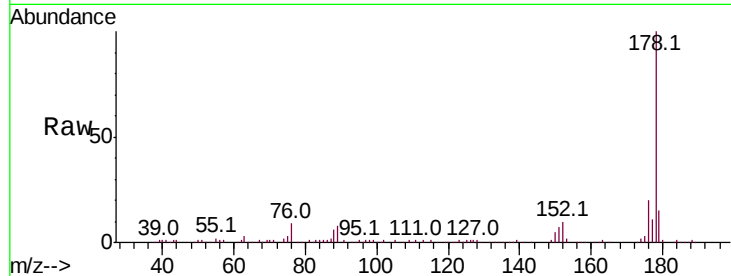
#70
Phenanthrene
Concen: 5.029 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-A

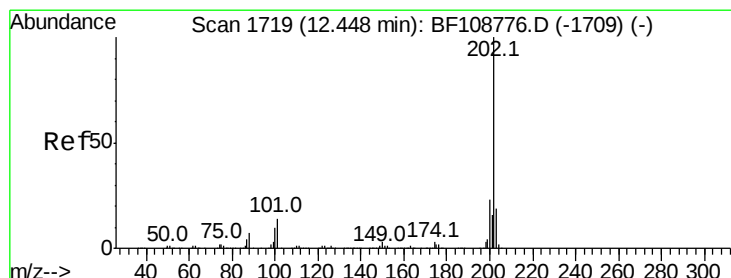
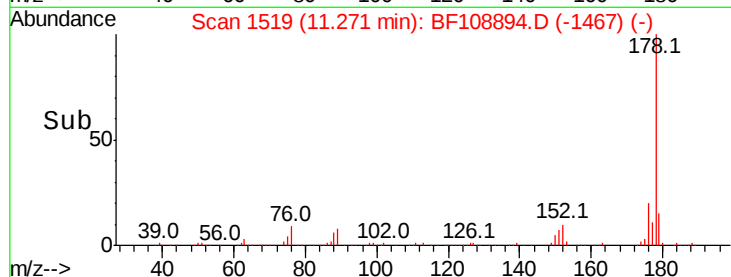
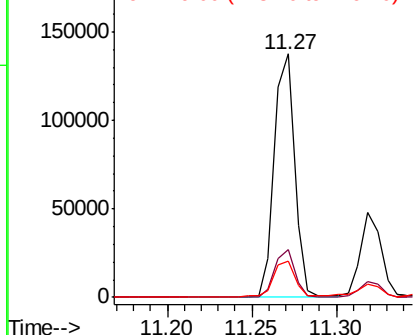
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.0	13.0	19.6

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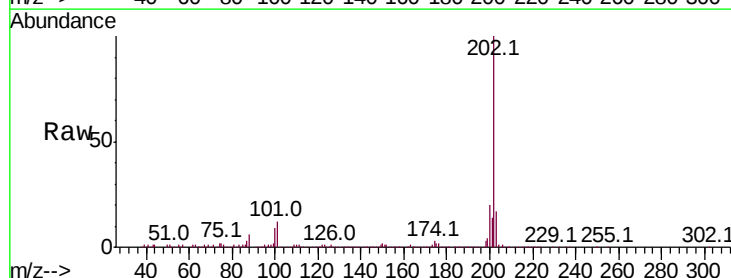


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

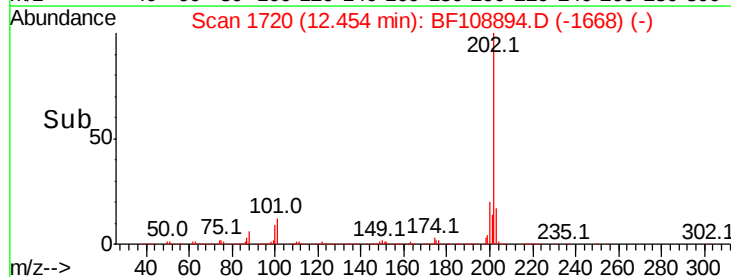
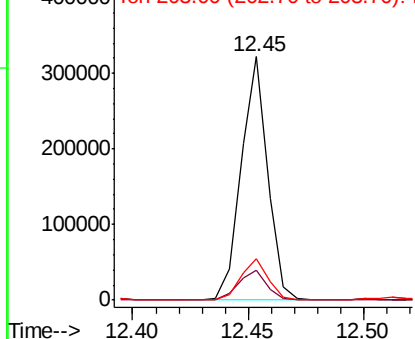


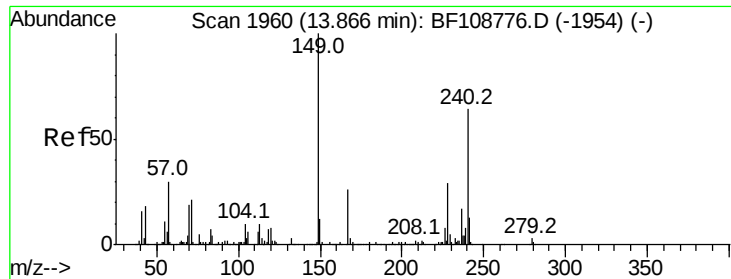
#74
Fluoranthene
Concen: 11.187 ng
RT: 12.45 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.0	0.0	38.1



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: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

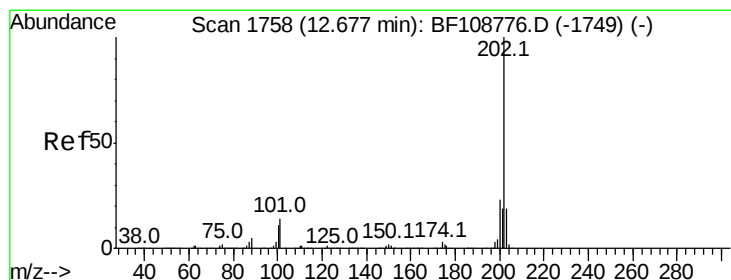
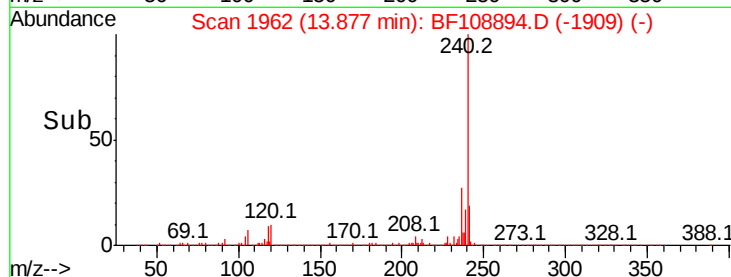
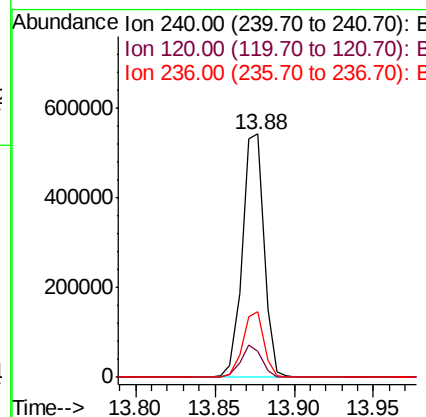
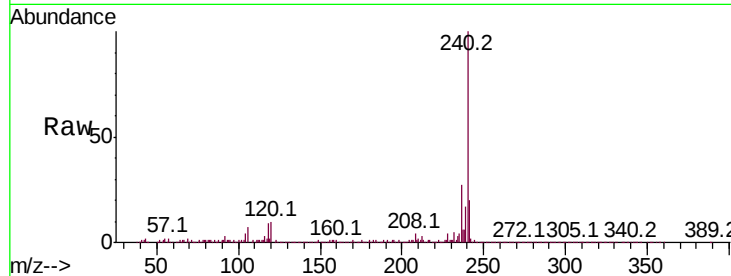
ClientSampleId :

PL-05-090718-A

Tot Ion:	240	Resp:	512187
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	26.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 6.525 ng

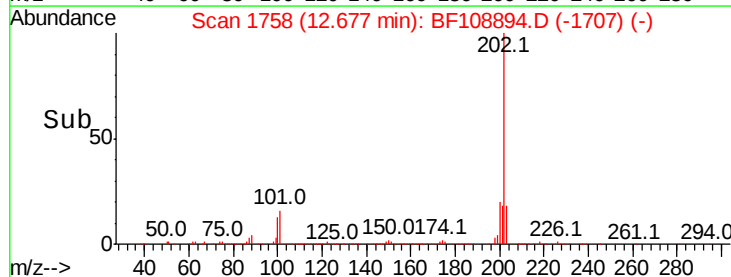
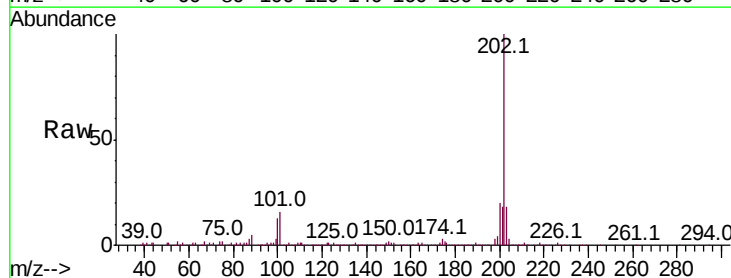
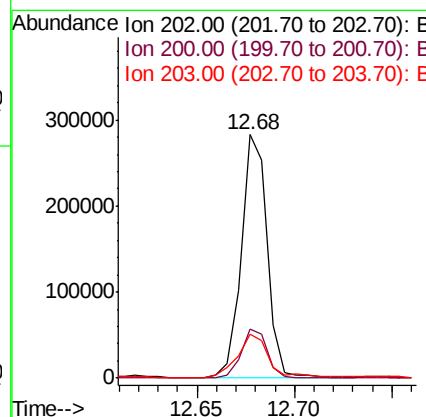
RT: 12.68 min Scan# 1758

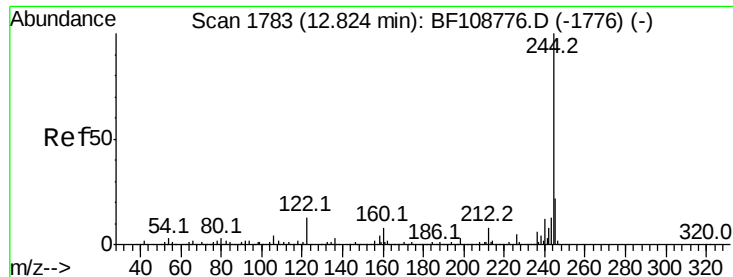
Delta R.T. -0.00 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Tgt Ion:	202	Resp:	257171
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 11.991 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

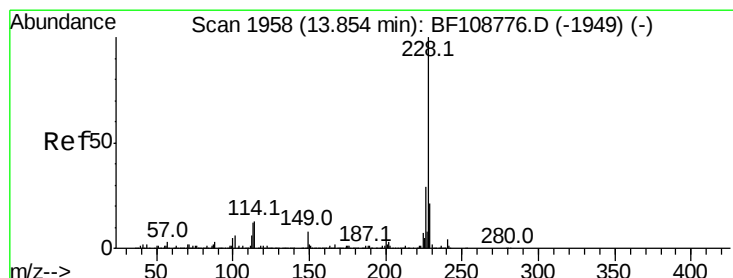
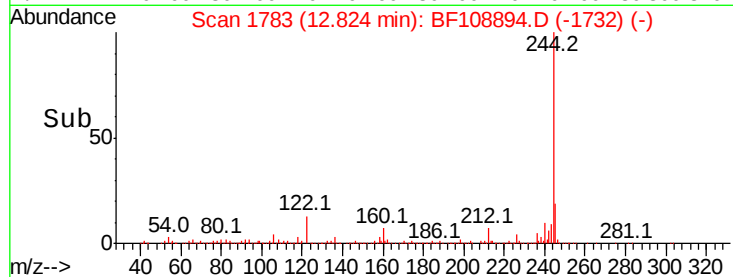
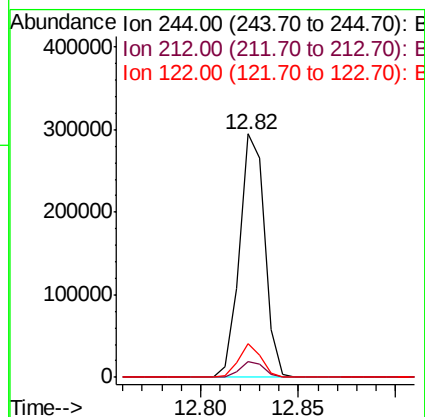
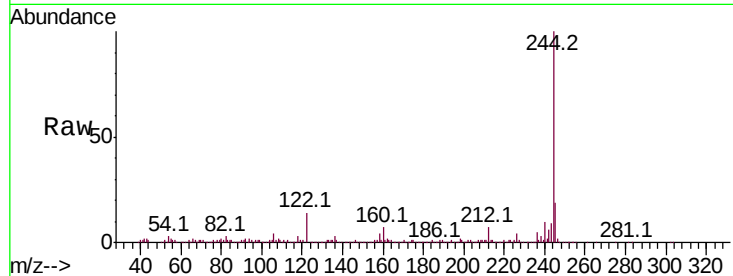
ClientSampleId :

PL-05-090718-A

Tot Ion:	244	Resp:	263371
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 4.416 ng

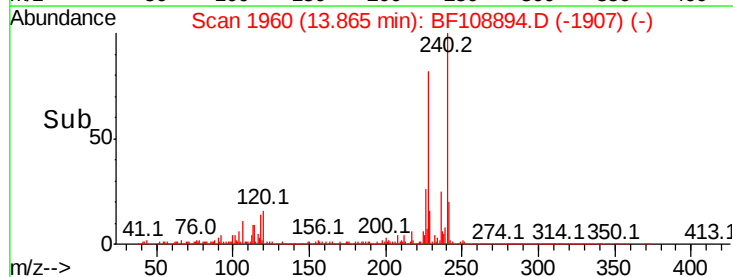
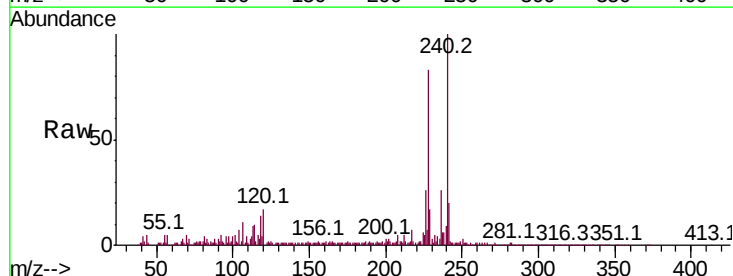
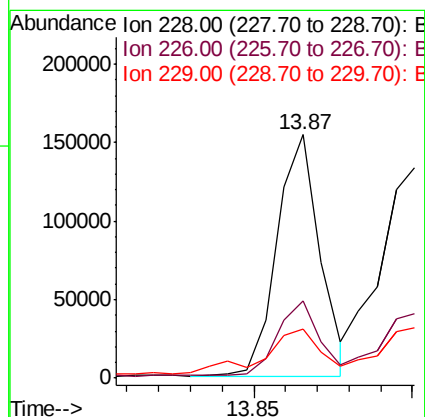
RT: 13.87 min Scan# 1960

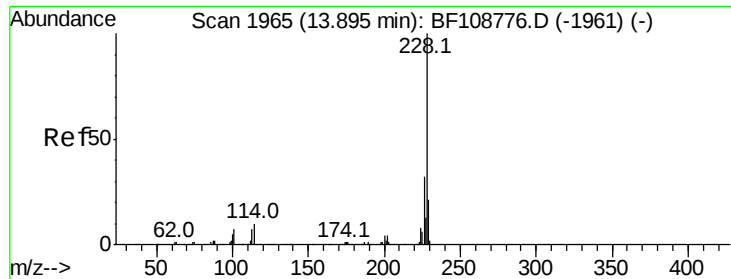
Delta R.T. 0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Tgt Ion:	228	Resp:	144964
Ion Ratio		Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 4.459 ng

RT: 13.90 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

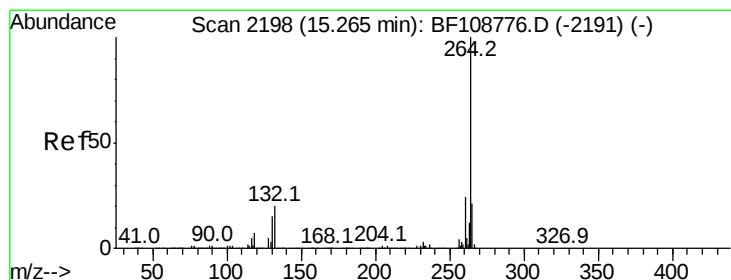
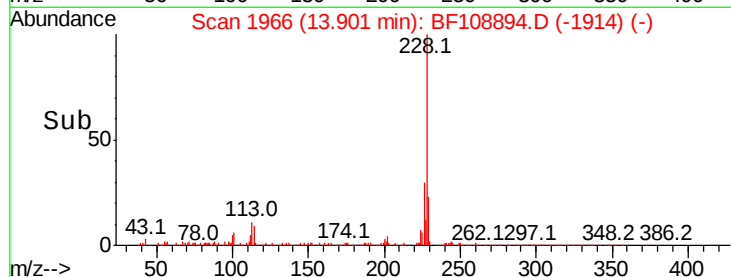
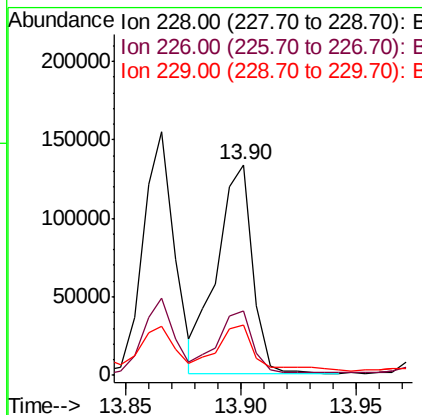
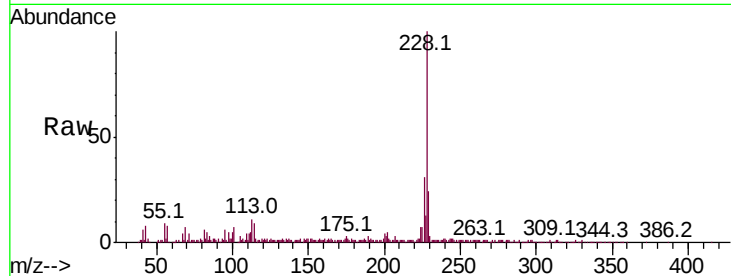
ClientSampleId :

PL-05-090718-A

Tot Ion:	228	Resp:	141699
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	23.8	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

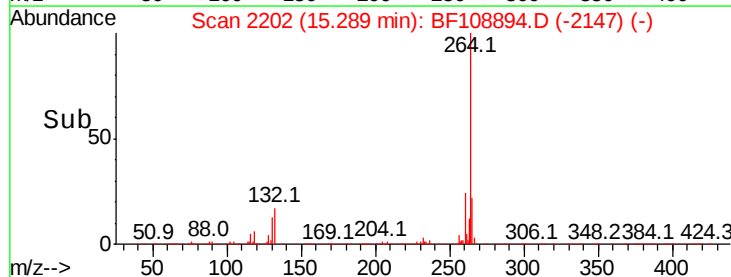
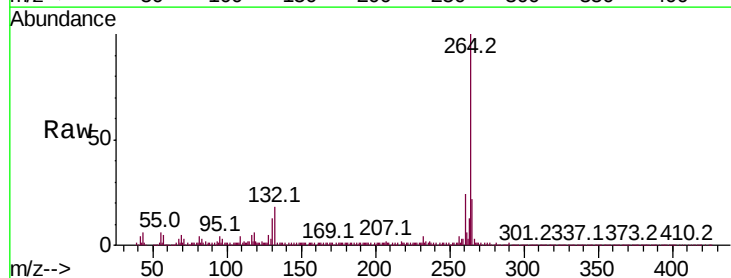
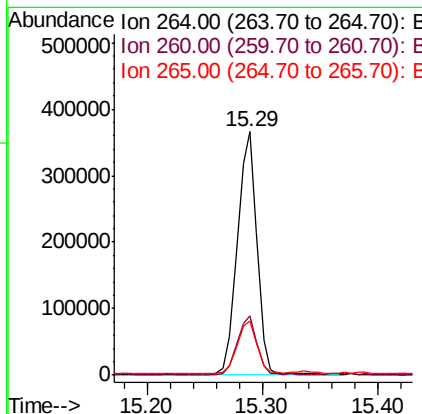
RT: 15.29 min Scan# 2202

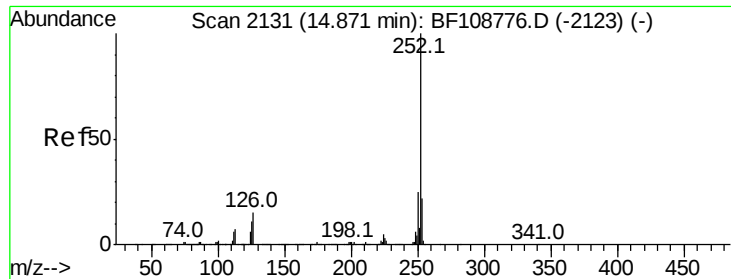
Delta R.T. 0.02 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Tgt Ion:	264	Resp:	422923
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.165 ng m

RT: 14.88 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Instrument :

BNA_F

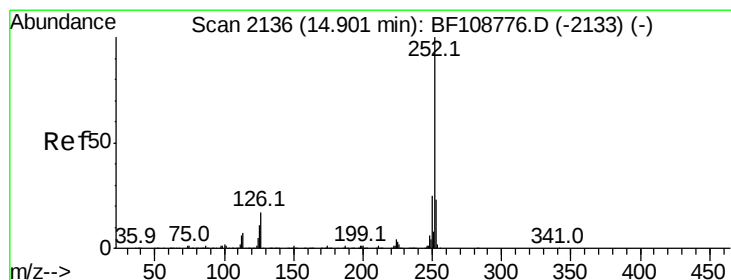
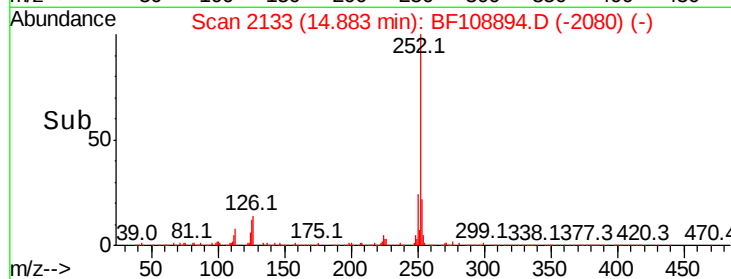
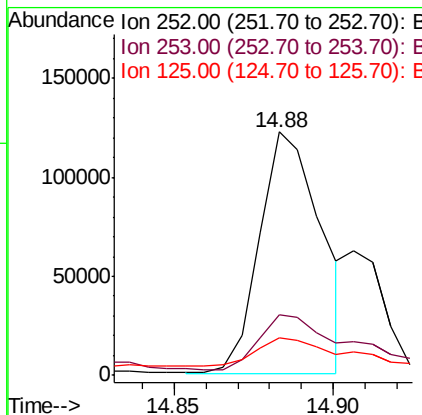
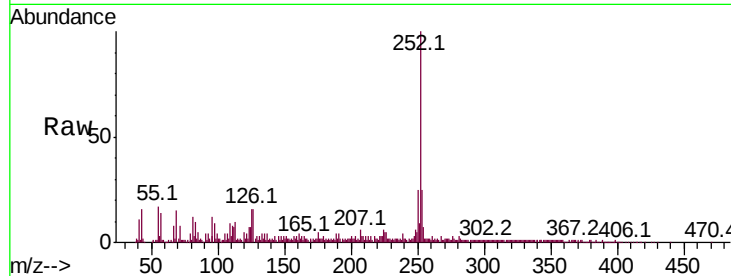
ClientSampleId :

PL-05-090718-A

Tot Ion:	252	Resp:	164767
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	15.5	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.633 ng m

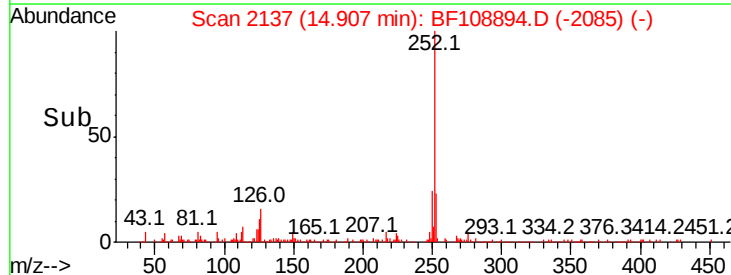
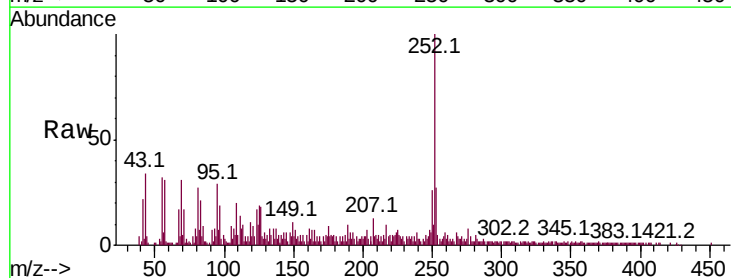
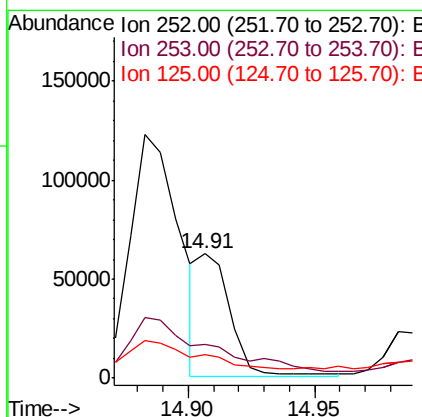
RT: 14.91 min Scan# 2137

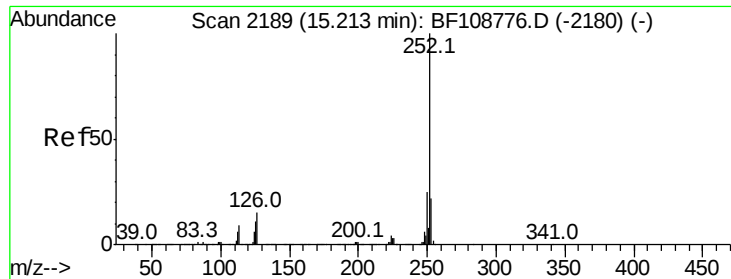
Delta R.T. 0.01 min

Lab File: BF108894.D

Acq: 10 Sep 2018 15:50

Tgt Ion:	252	Resp:	55765
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.9	26.9#
125	19.1	10.2	15.2#





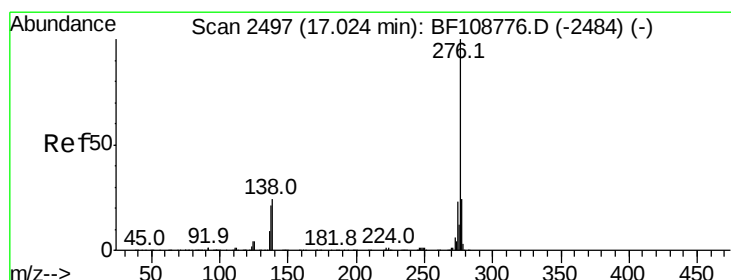
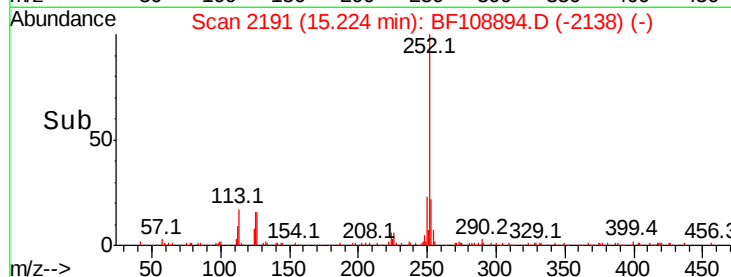
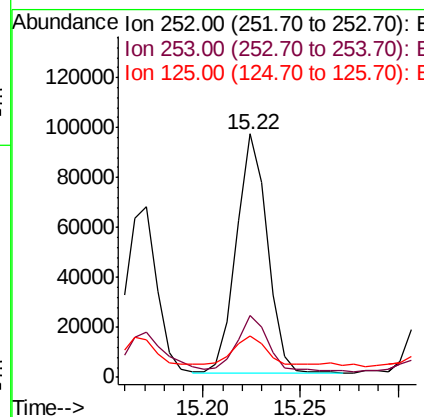
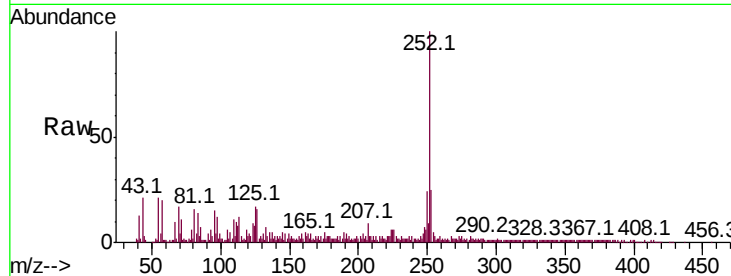
#89
Benzo(a)pyrene
Concen: 5.063 ng
RT: 15.22 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.3	17.1	25.7
125	17.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.455 ng
RT: 17.05 min Scan# 2502
Delta R.T. 0.03 min
Lab File: BF108894.D
Acq: 10 Sep 2018 15:50

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.1	17.9	26.9
138	24.3	21.8	32.8

