

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108069.D
 Acq On : 9 Aug 2018 23:46
 Operator : JU/SJ
 Sample : J4388-04 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Manual Integrations
 APPROVED

Sohil
 8/10/2018 12:13:34 PM

Quant Time: Aug 10 03:24:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	296679	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1092274	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	496873	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	817561	20.00	ng	0.00
75) Chrysene-d12	14.21	240	724664	20.00	ng	0.00
86) Perylene-d12	15.78	264	543962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	841922	51.38	ng	0.00
7) Phenol-d6	6.62	99	1123185	51.58	ng	0.00
23) Nitrobenzene-d5	7.57	82	705639	36.05	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	210133	42.40	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1137727	36.76	ng	0.00
78) Terphenyl-d14	13.14	244	924417	32.43	ng	0.00
Target Compounds						
31) Naphthalene	8.32	128	127093	2.559	ng	99
49) Dimethylphthalate	9.77	163	158908	4.591	ng	# 98
57) Fluorene	10.61	166	67054	2.085	ng	96
70) Phenanthrene	11.58	178	361415	9.372	ng	98
71) Anthracene	11.64	178	150397	3.805	ng	97
74) Fluoranthene	12.78	202	339653	8.071	ng	95
77) Pyrene	13.01	202	283290	6.175	ng	98
80) Benzo(a)anthracene	14.20	228	160894	3.869	ng	97
82) Chrysene	14.24	228	130448	3.421	ng	96
87) Benzo(b)fluoranthene	15.30	252	133077m	4.094	ng	
89) Benzo(a)pyrene	15.70	252	82955	2.850	ng	# 91

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

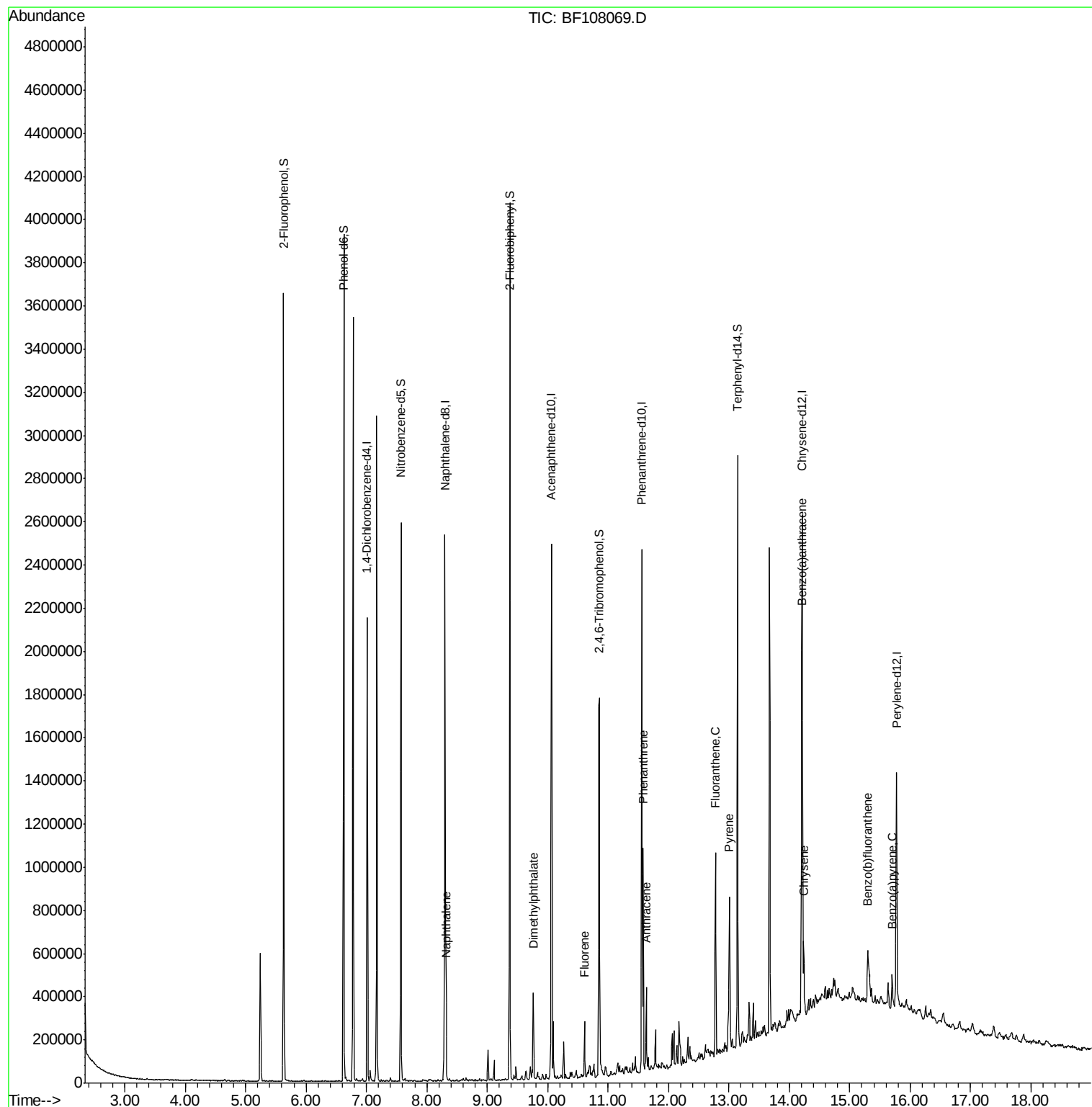
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
Data File : BF108069.D
Acq On : 9 Aug 2018 23:46
Operator : JU/SJ
Sample : J4388-04 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

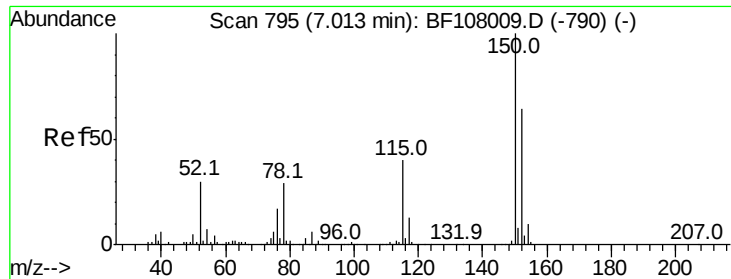
Instrument :
BNA_F
ClientSampleId :
S-2B

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#1

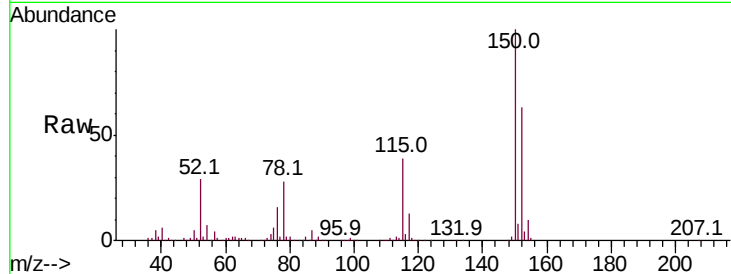
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	62.2	50.1	75.1

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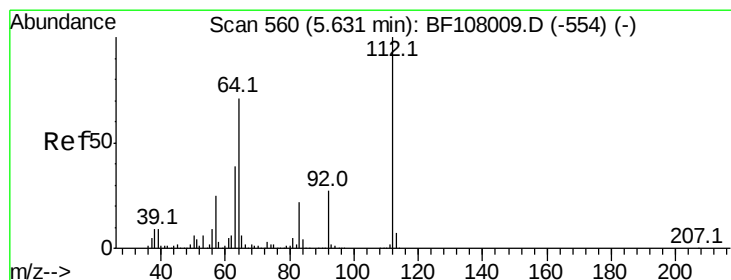
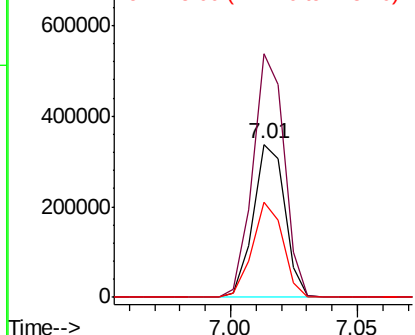
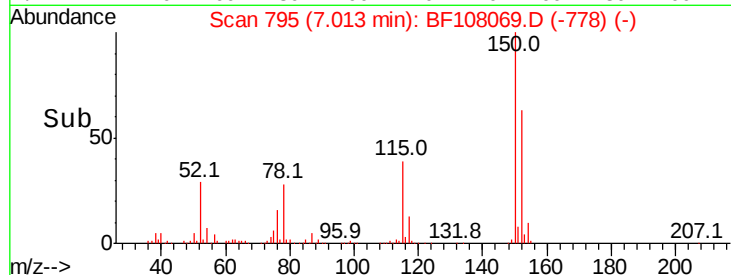


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

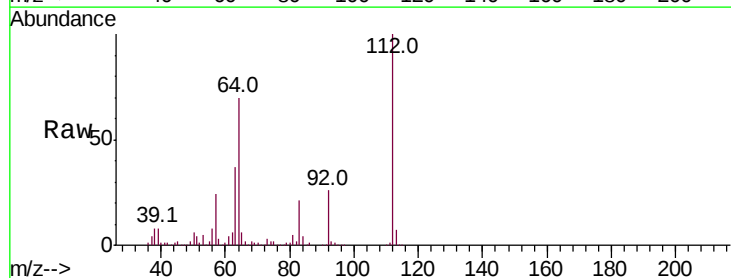
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.377 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	36.7	23.7	35.5

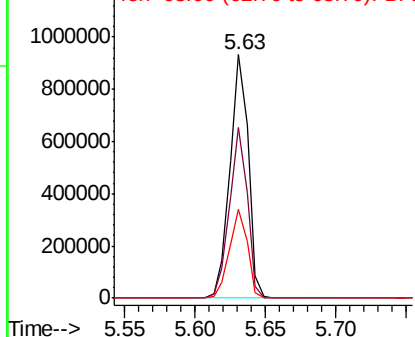
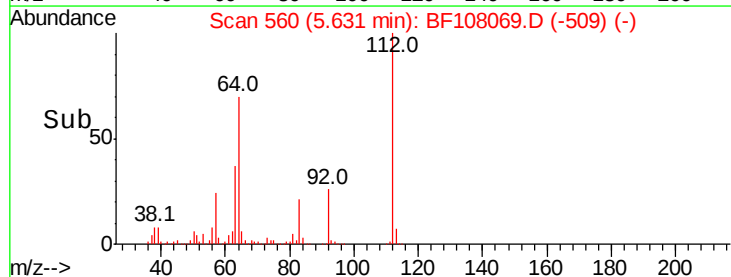


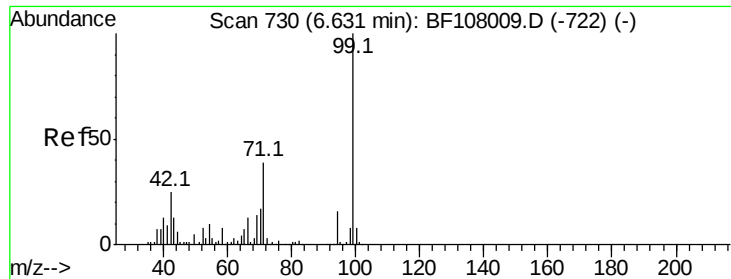
Abundance

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: 51.579 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Instrument :

BNA_F

ClientSampleId :

S-2B

Tot Ion: 99 Resp: 1123185

Ion Ratio Lower Upper

99 100

42 23.4 14.5 21.7#

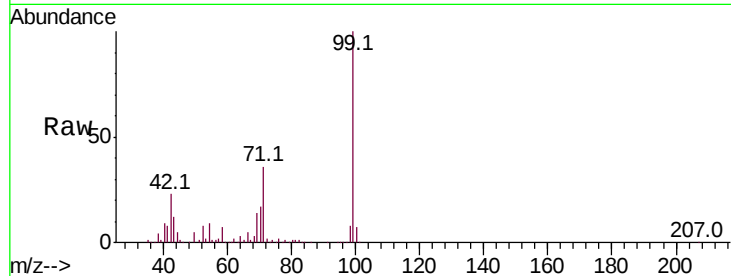
71 36.0 25.4 38.0

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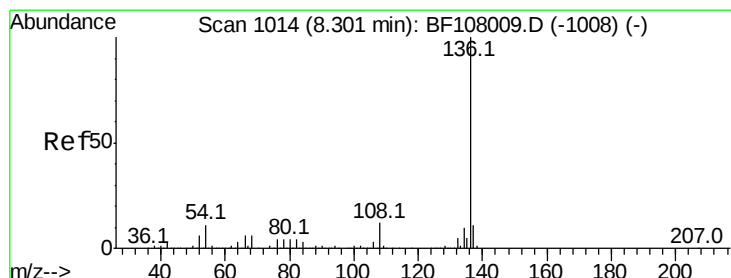
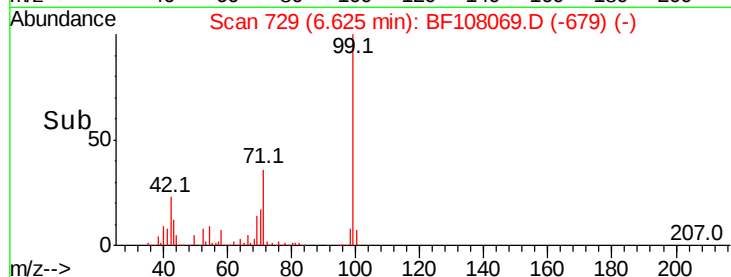
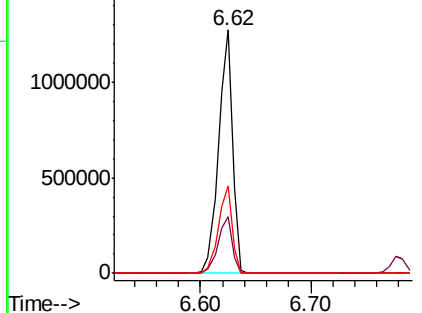
8/10/2018 12:13:34 PM



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: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Tgt Ion: 136 Resp: 1092274

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

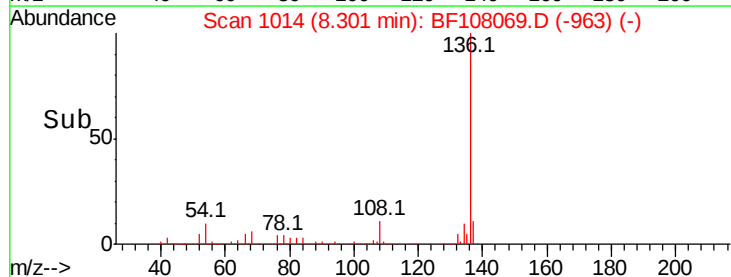
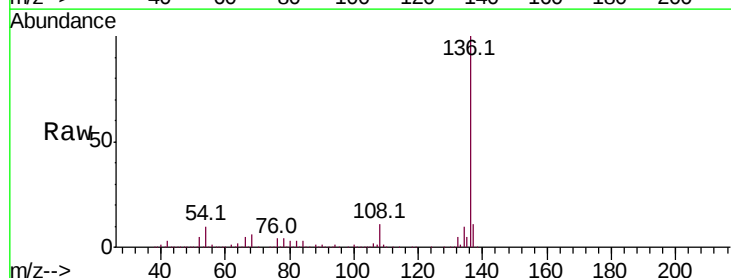
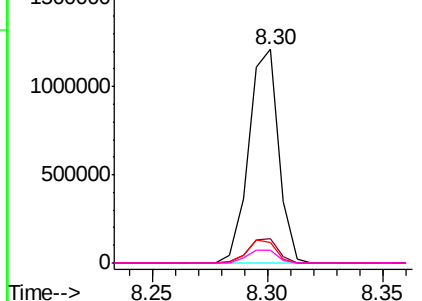
68 6.0 5.0 7.4

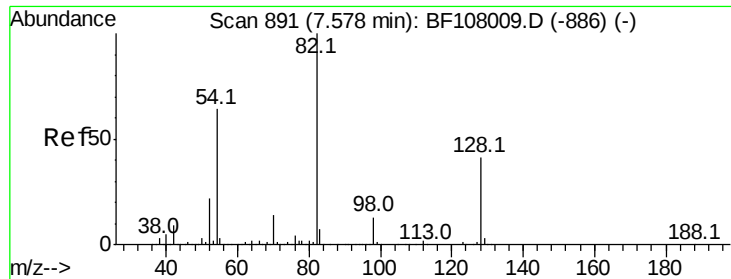
Abundance Ion 136.00 (135.70 to 136.70): E

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





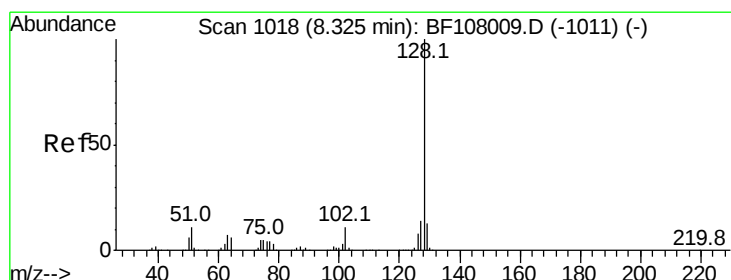
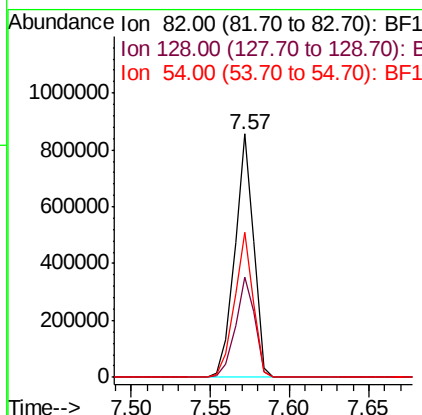
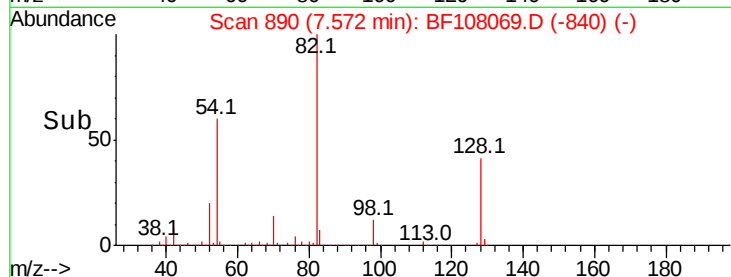
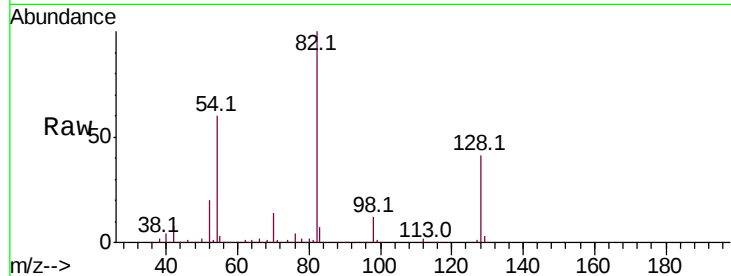
#23
 Nitrobenzene-d5
 Concen: 36.049 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108069.D
 Acq: 9 Aug 2018 23:46

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.4	36.1	54.1	
54	59.6	41.4	62.2	

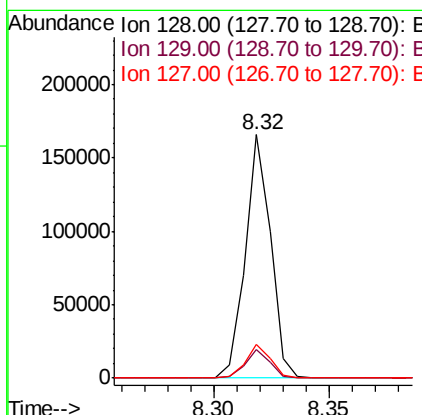
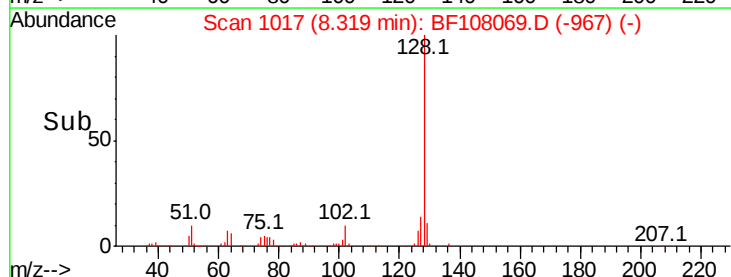
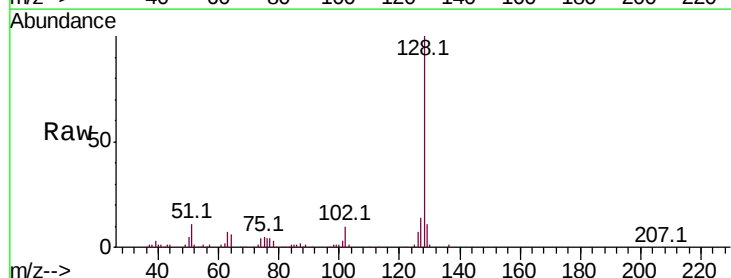
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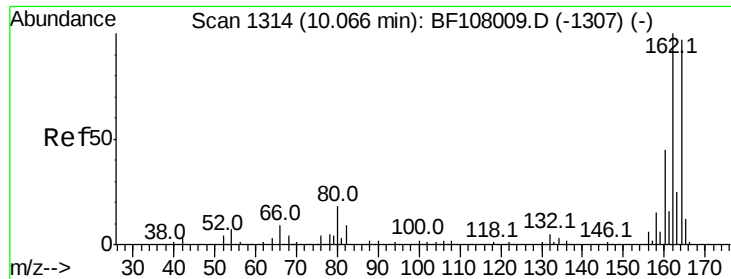
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#31
 Naphthalene
 Concen: 2.559 ng
 RT: 8.32 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF108069.D
 Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	8.8	13.2	
127	13.6	10.9	16.3	





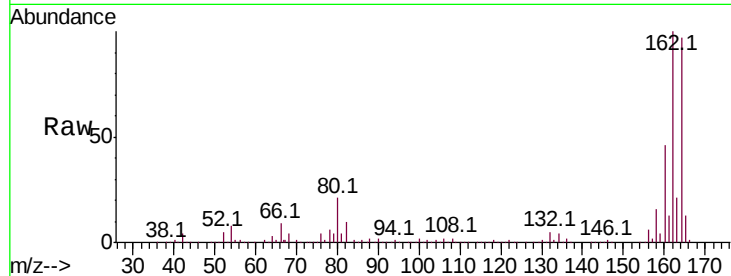
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.8	38.3	57.5

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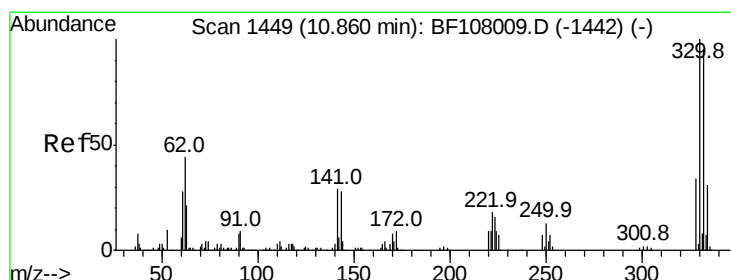
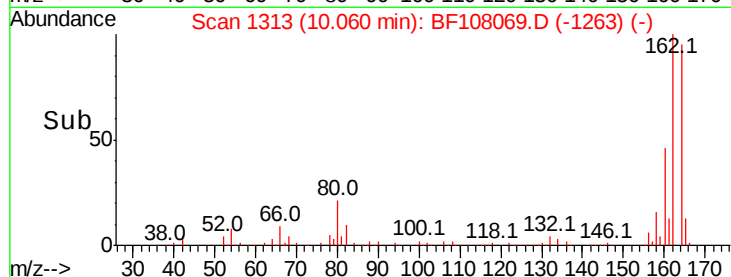
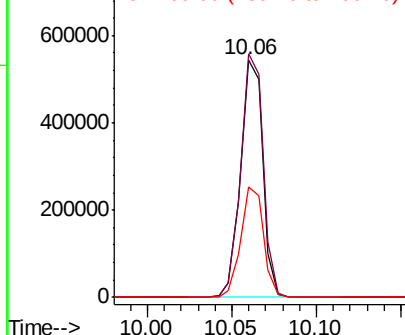


Abundance

Ion 164.00 (163.70 to 164.70): E

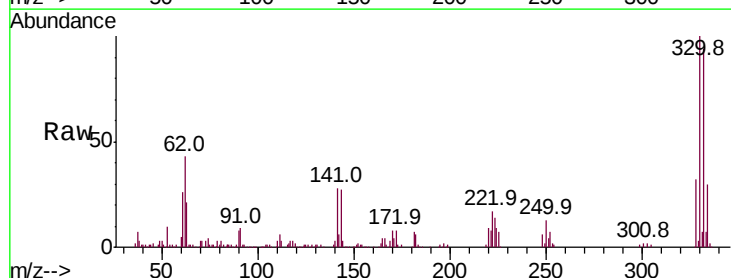
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 42.398 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	34.3	29.9	44.9

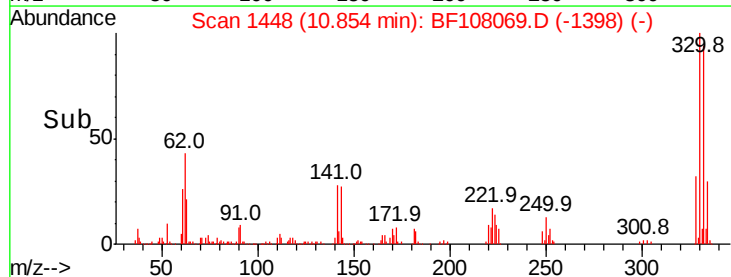
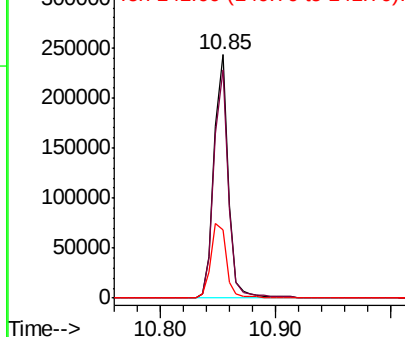


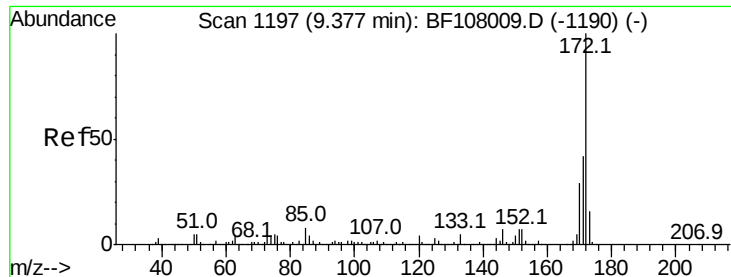
Abundance

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





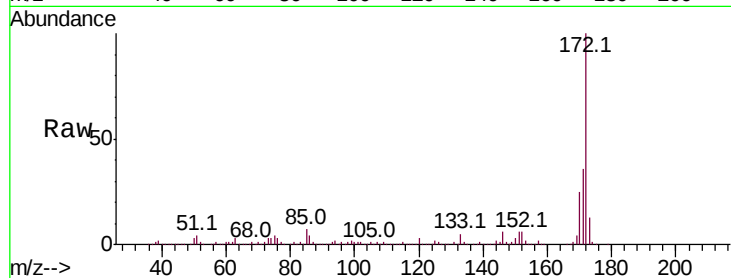
#44
2-Fluorobiphenyl
Concen: 36.762 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampleId :
S-2B

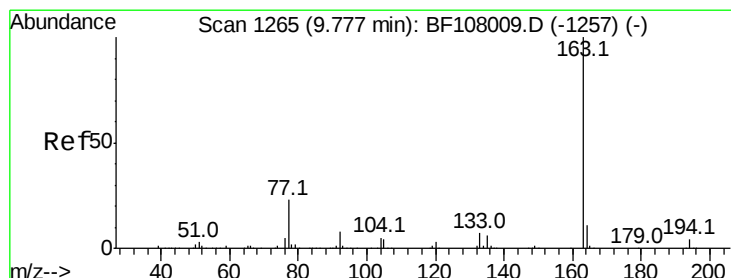
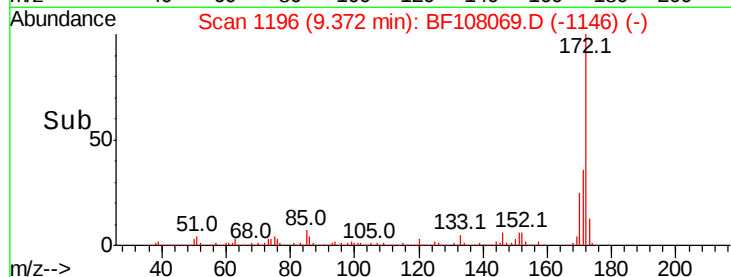
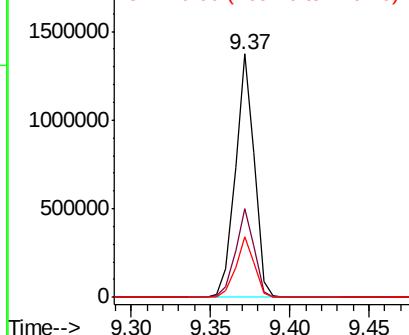
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	25.0	19.6	29.4

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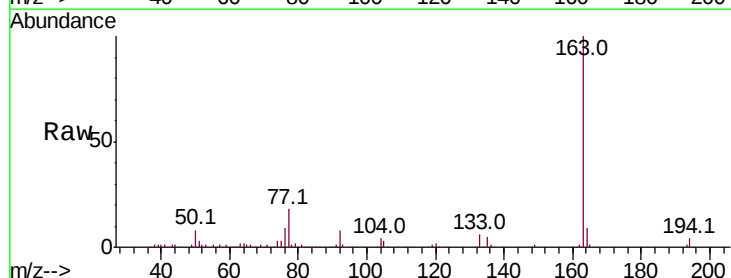


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

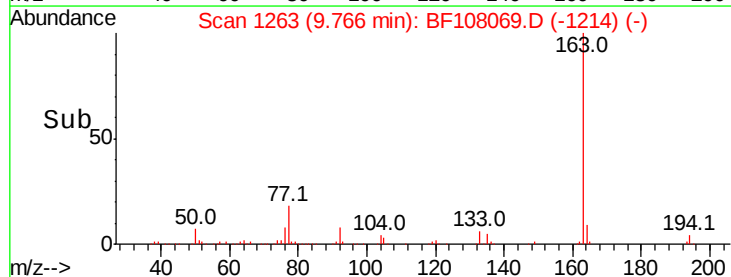
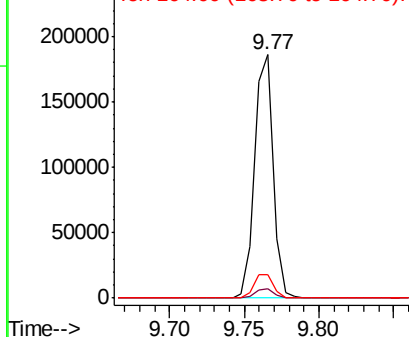


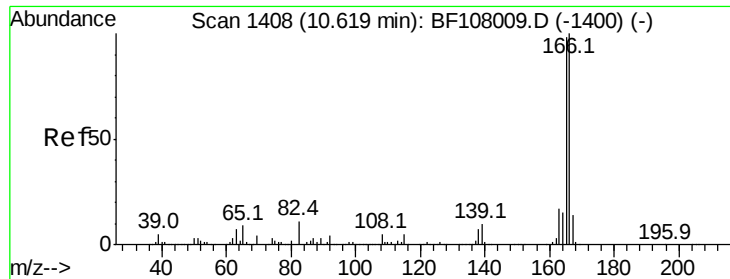
#49
Dimethylphthalate
Concen: 4.591 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 2.085 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Instrument :

BNA_F

ClientSampled :

S-2B

Tot Ion:166 Resp: 67054

Ion Ratio Lower Upper

166 100

165 103.4 79.8 119.8

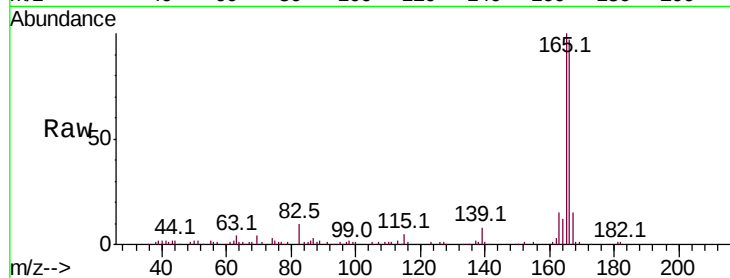
167 15.0 10.6 16.0

Manual Integrations

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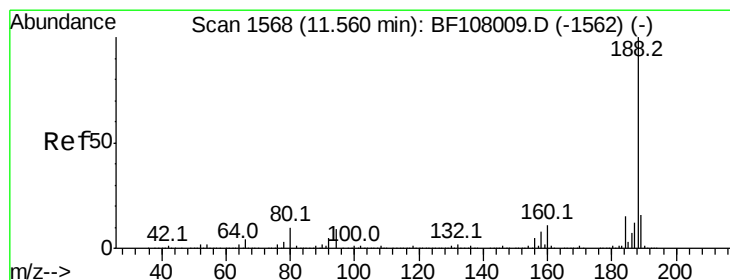
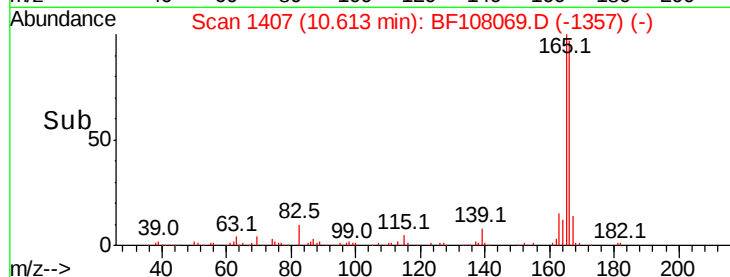
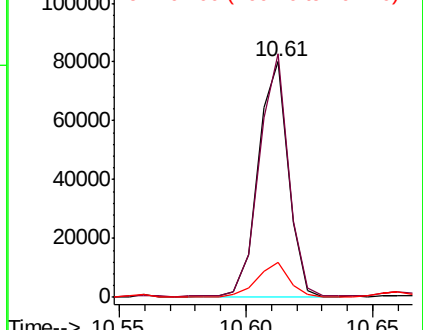
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

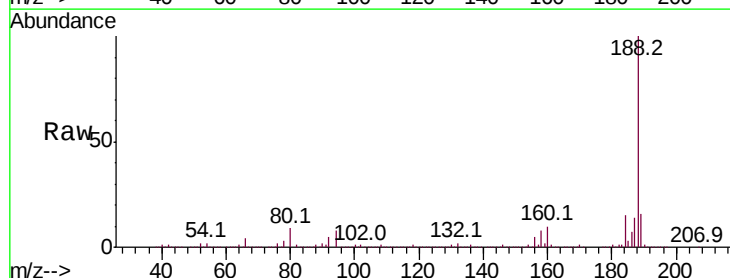
Tgt Ion:188 Resp: 817561

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

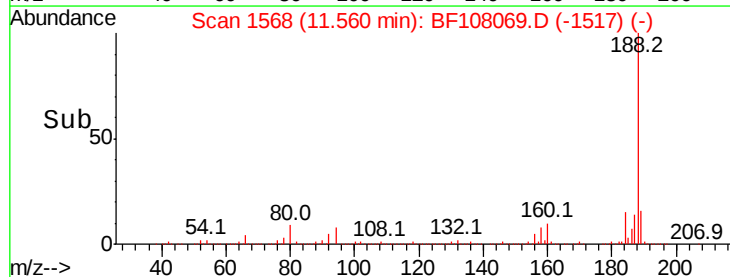
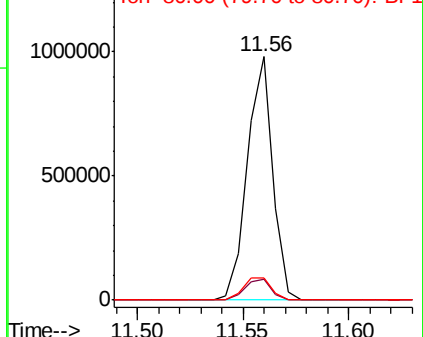
80 9.3 9.2 13.8

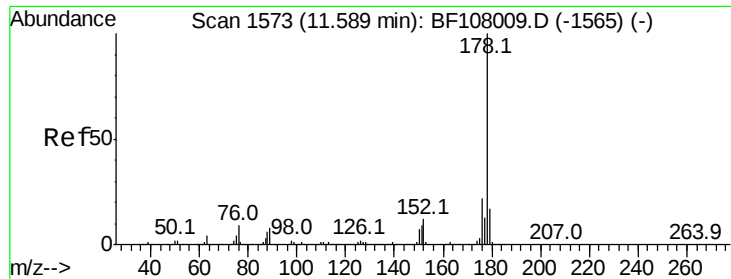


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





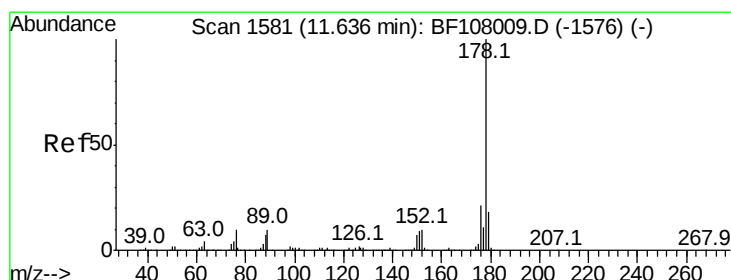
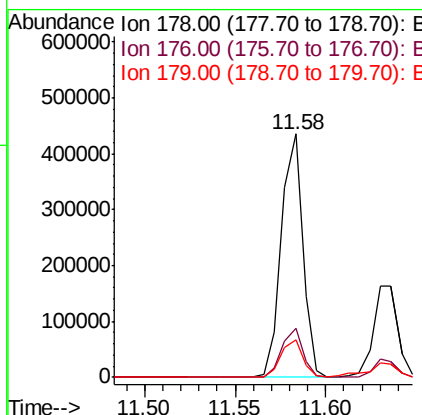
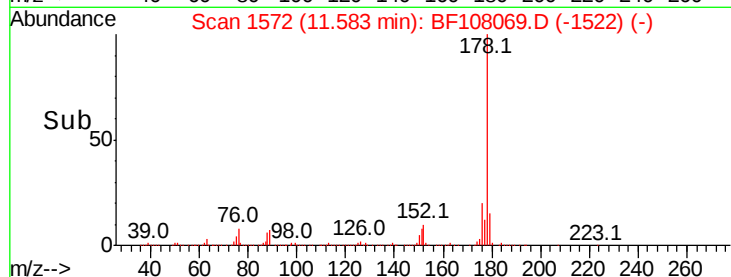
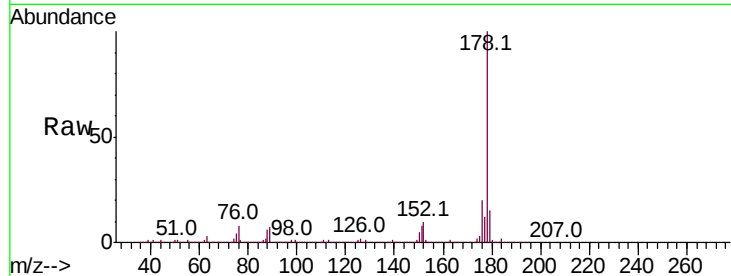
#70
Phenanthrene
Concen: 9.372 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampled :
S-2B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.2	13.0	19.6

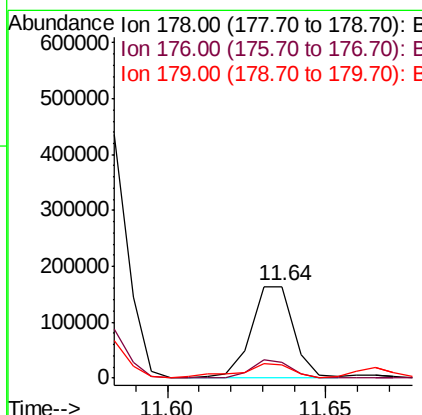
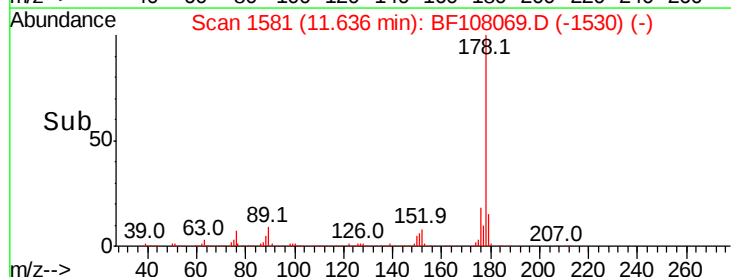
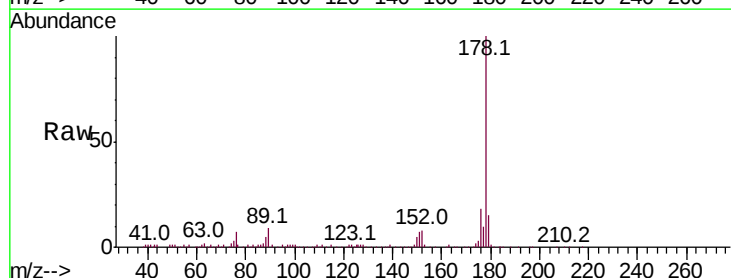
Manual Integrations
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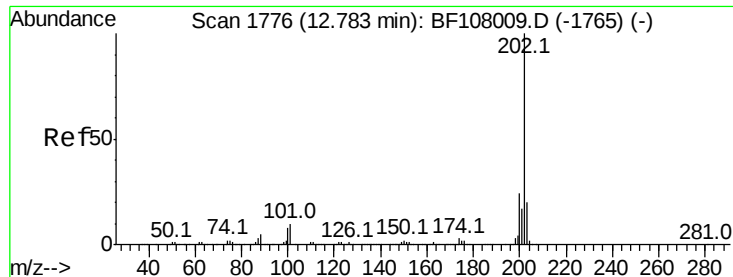
Sohil
8/10/2018 12:13:34 PM



#71
Anthracene
Concen: 3.805 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 8.071 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Instrument :

BNA_F

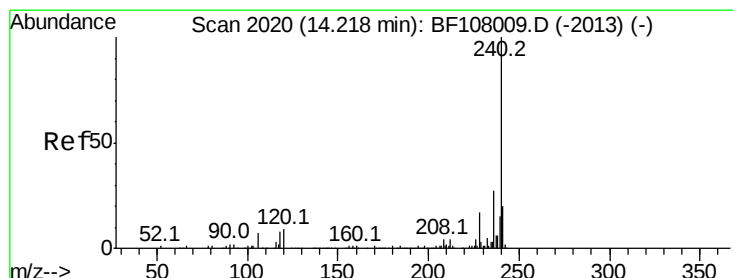
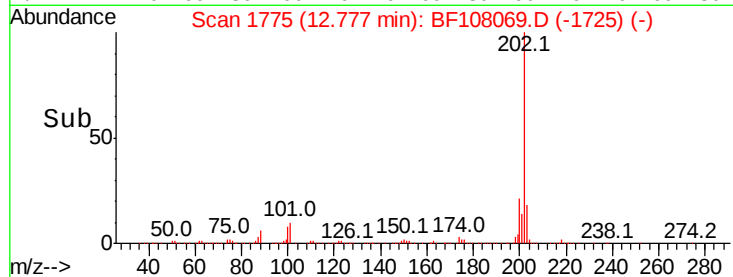
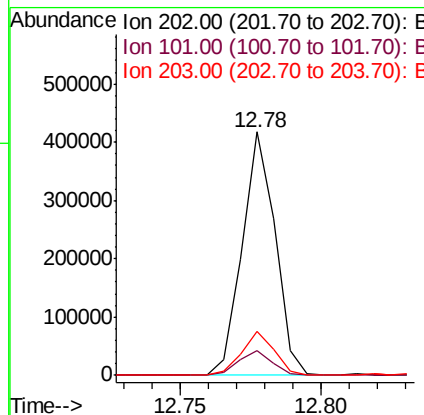
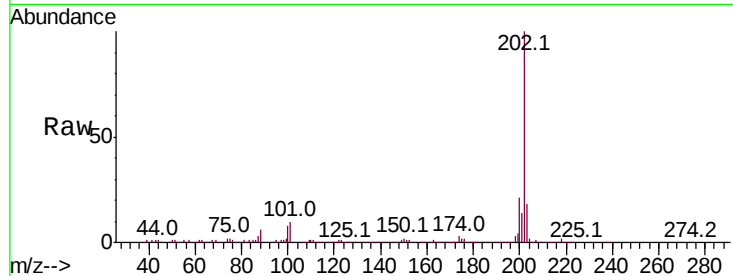
ClientSampled :

S-2B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

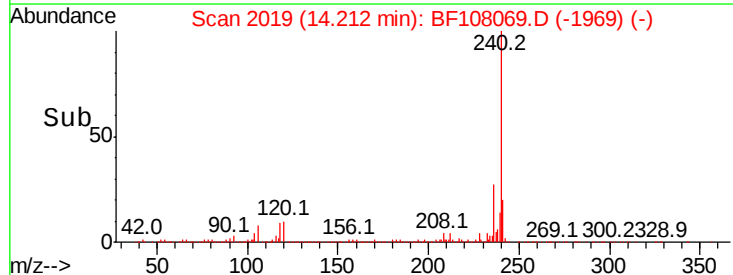
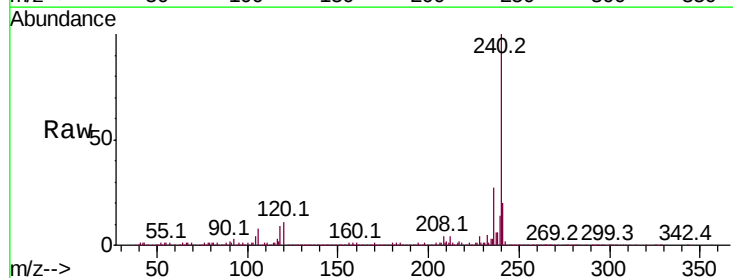
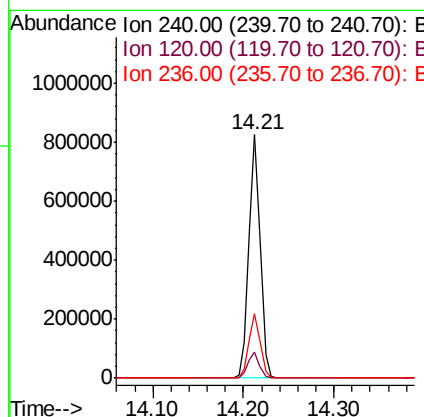
RT: 14.21 min Scan# 2019

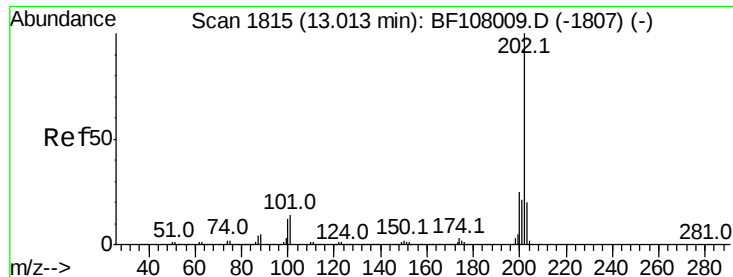
Delta R.T. -0.01 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.7	20.7	31.1





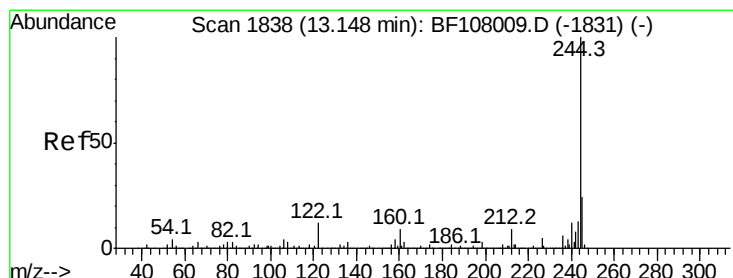
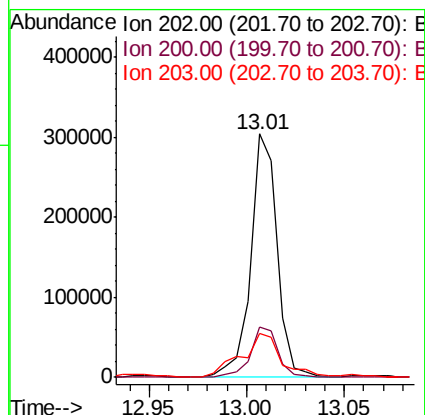
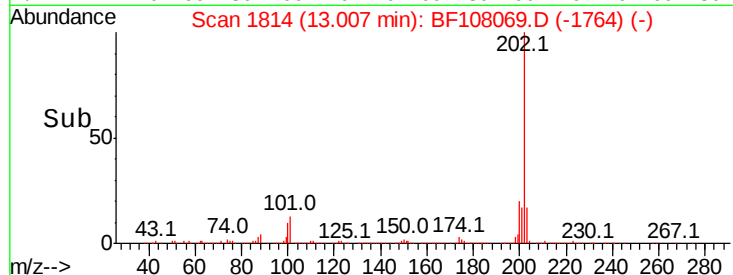
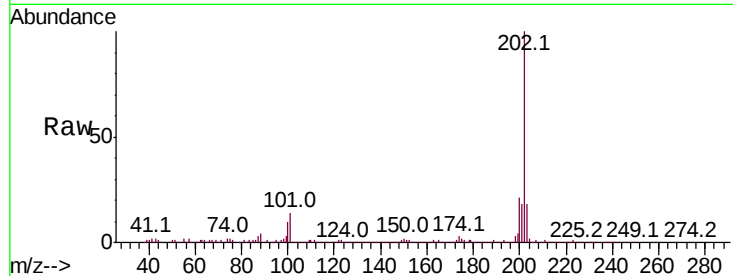
#77
Pvrene
Concen: 6.175 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion:	202	Resp:	283290
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.1	14.3	21.5

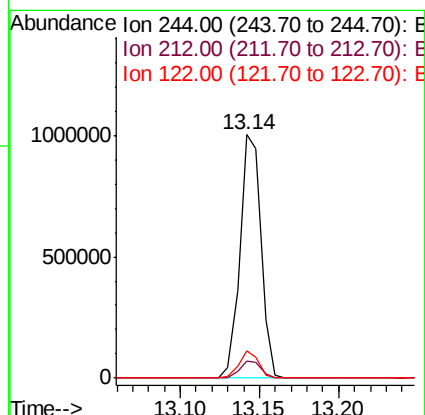
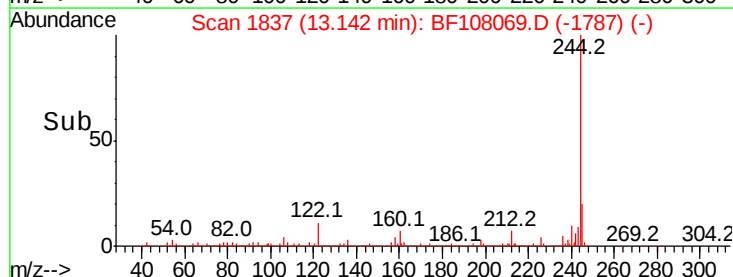
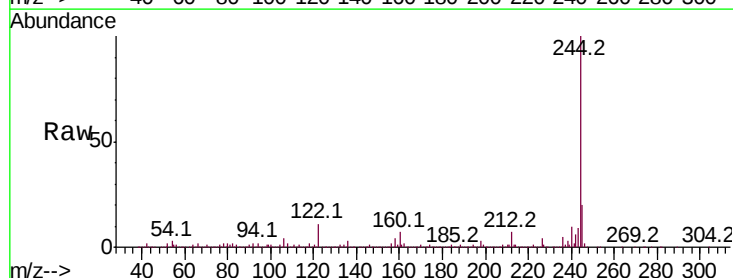
Manual Integrations
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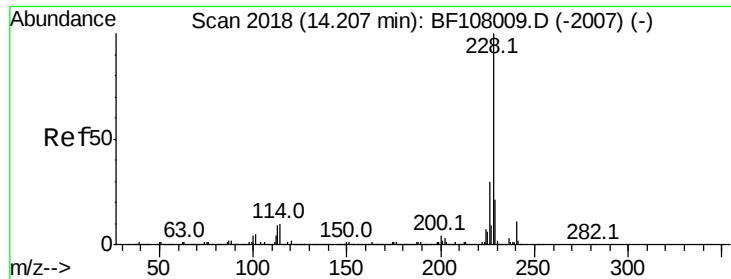
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#78
Terphenyl-d14
Concen: 32.434 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion:	244	Resp:	924417
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.0	11.0	16.4





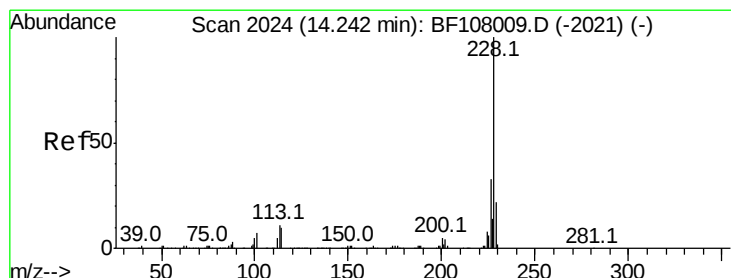
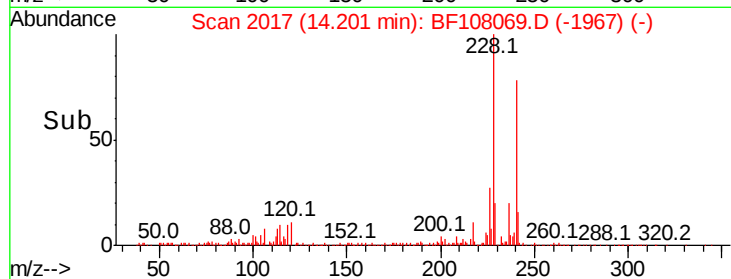
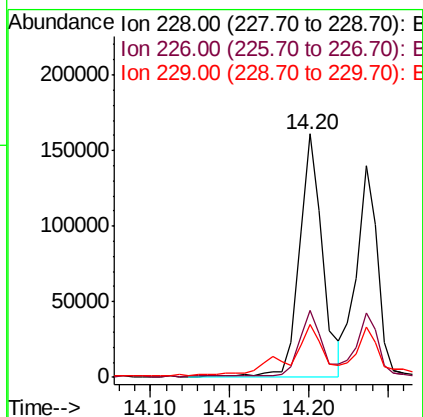
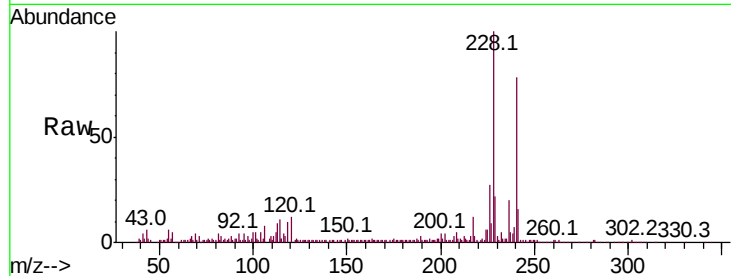
#80
Benzo(a)anthracene
Concen: 3.869 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Instrument :
BNA_F
ClientSampleId :
S-2B

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	21.6	15.8	23.6

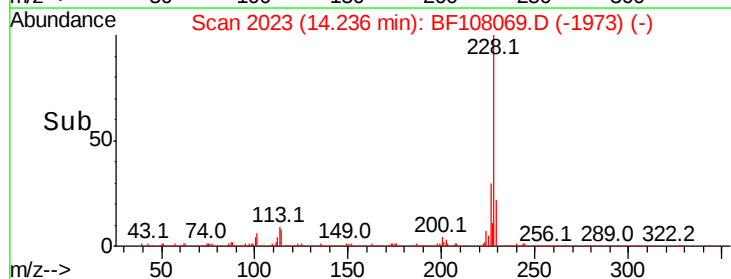
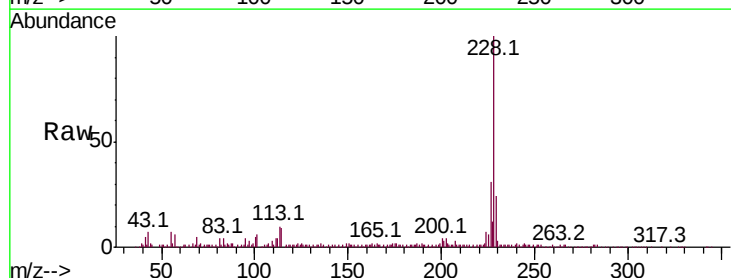
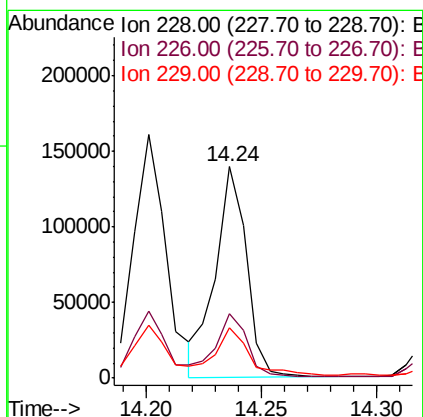
Manual Integrations
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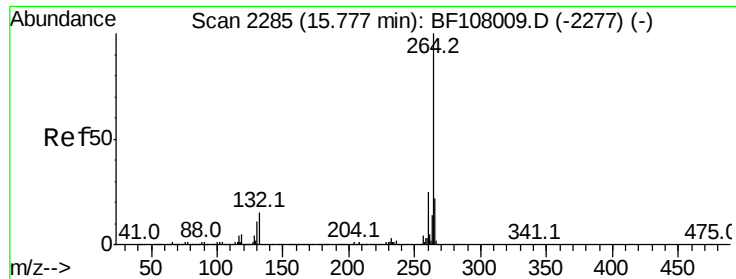
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#82
Chrysene
Concen: 3.421 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108069.D
Acq: 9 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.6	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Instrument :

BNA_F

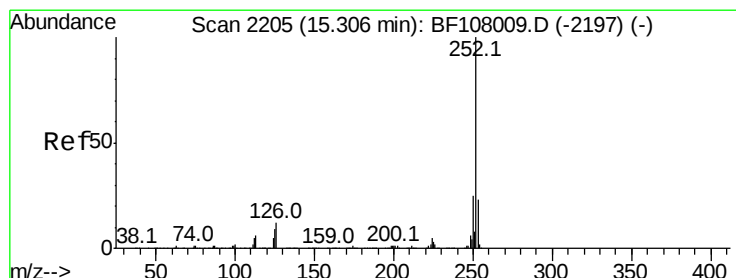
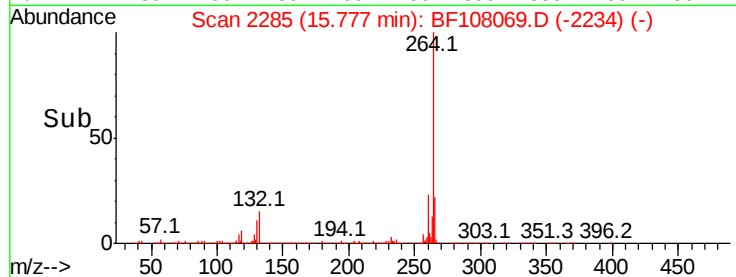
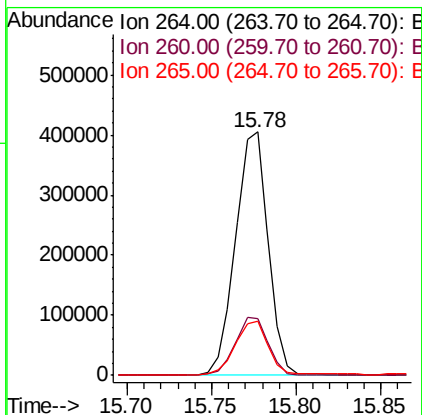
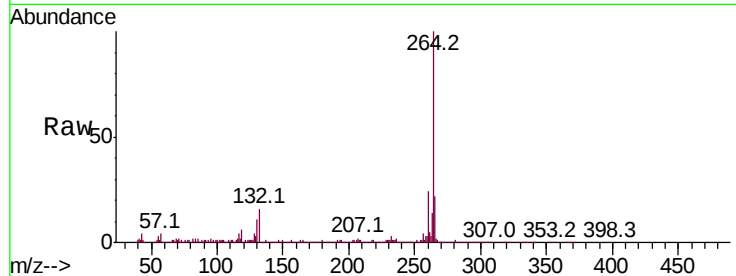
ClientSampled :

S-2B

Tot Ion:	264	Resp:	543962
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 4.094 ng m

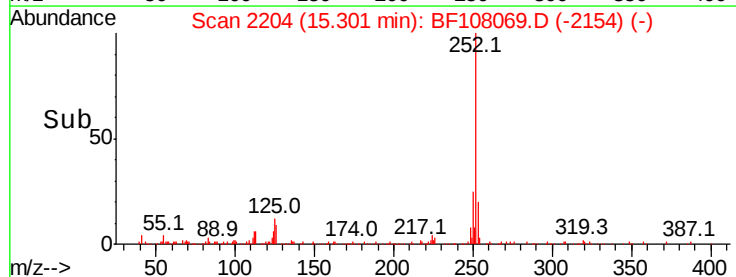
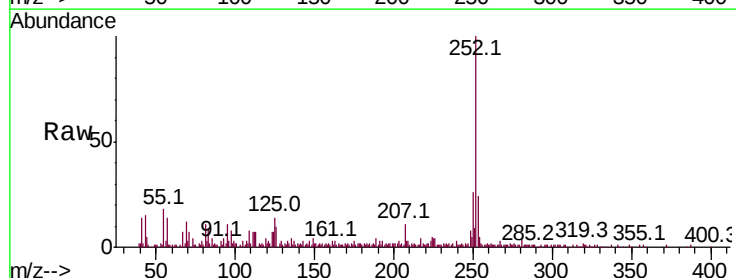
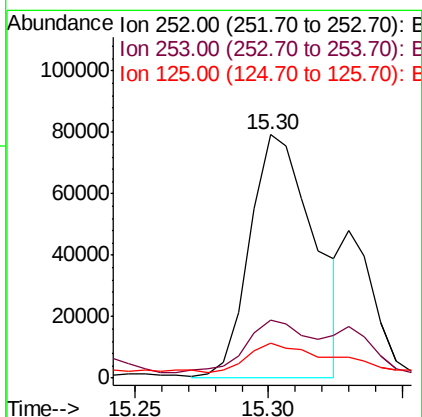
RT: 15.30 min Scan# 2204

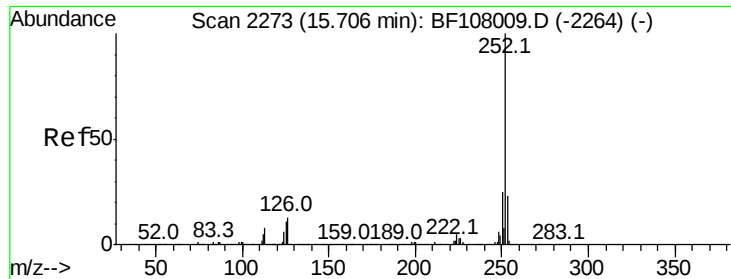
Delta R.T. -0.01 min

Lab File: BF108069.D

Acq: 9 Aug 2018 23:46

Tgt Ion:	252	Resp:	133077
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	14.4	9.0	13.6#





#89
 Benzo(a)pyrene
 Concen: 2.850 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF108069.D
 Acq: 9 Aug 2018 23:46

Instrument :
 BNA_F
 ClientSampleId :
 S-2B

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	14.5	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 8/10/2018 12:13:34 PM

