

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108118.D
 Acq On : 13 Aug 2018 16:11
 Operator : JU/SJ
 Sample : J4272-07 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Manual Integrations
 APPROVED

Sohil
 8/14/2018 2:36:36 PM

Quant Time: Aug 13 17:41:41 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	7.02	152	277635	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	1043176	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	491757	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	841626	20.00	ng	0.01
75) Chrysene-d12	14.24	240	638859	20.00	ng	0.02
86) Perylene-d12	15.81	264	509120	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	331979	21.65	ng	0.00
7) Phenol-d6	6.63	99	460895	22.62	ng	0.00
23) Nitrobenzene-d5	7.58	82	279223	14.94	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	95298	19.43	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	516459	16.86	ng	0.00
78) Terphenyl-d14	13.16	244	424438	16.89	ng	0.01
Target Compounds						
70) Phenanthrene	11.59	178	275180	6.932	ng	99
74) Fluoranthene	12.79	202	311108	7.181	ng	96
77) Pyrene	13.03	202	382147	9.448	ng	99
80) Benzo(a)anthracene	14.22	228	156229	4.261	ng	96
82) Chrysene	14.26	228	157416	4.683	ng	98
87) Benzo(b)fluoranthene	15.34	252	131035m	4.307	ng	
89) Benzo(a)pyrene	15.74	252	101204	3.715	ng	# 94

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

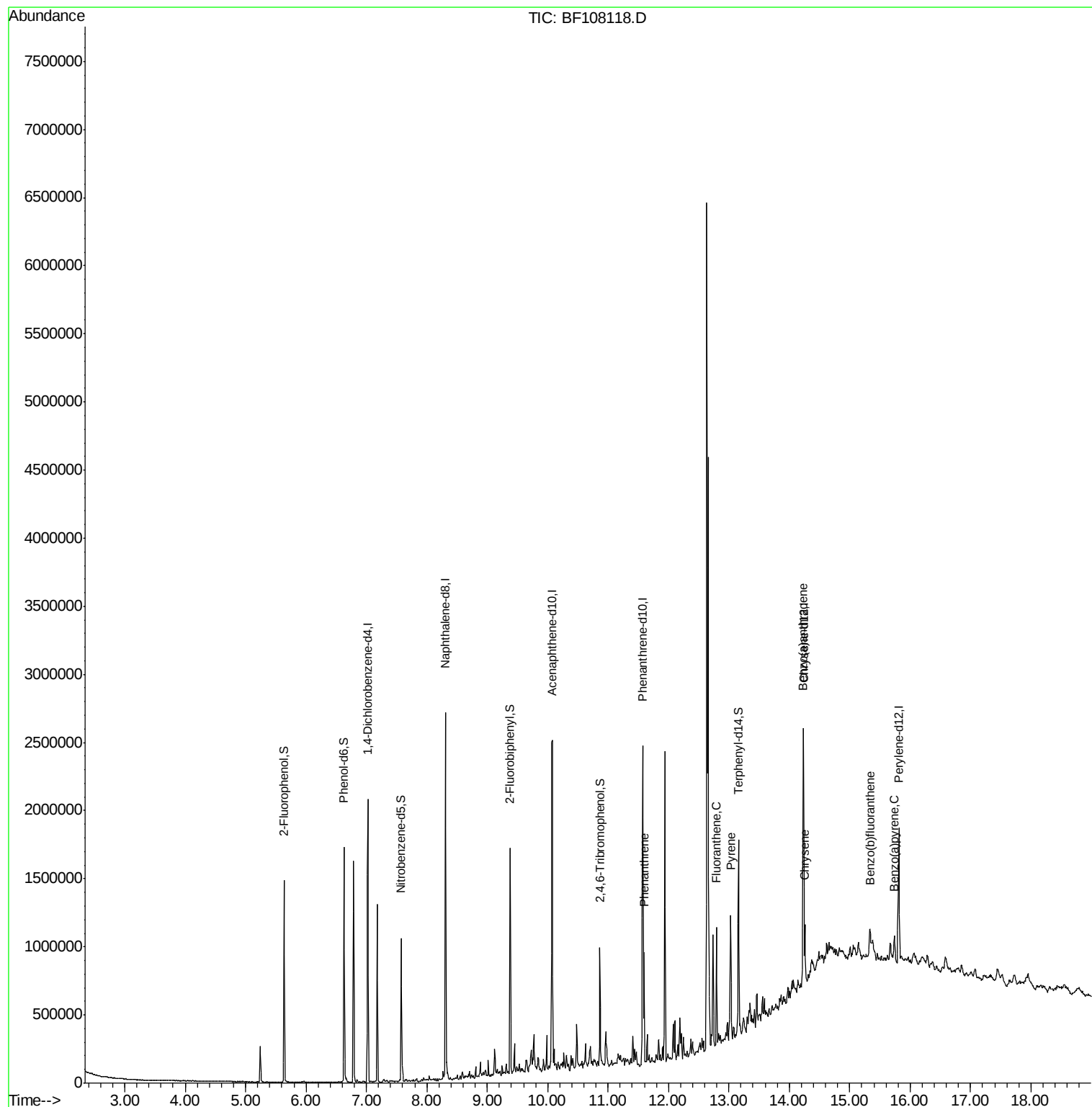
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108118.D
Acq On : 13 Aug 2018 16:11
Operator : JU/SJ
Sample : J4272-07 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

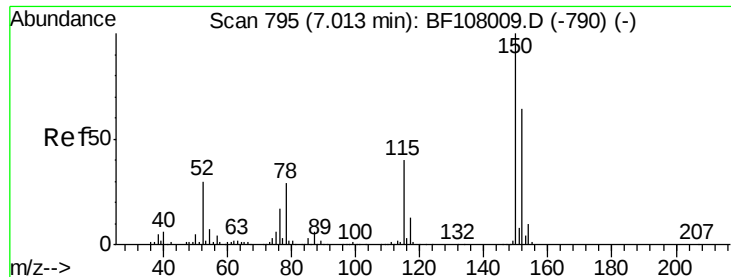
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

Manual Integrations
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Sohil
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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





#1

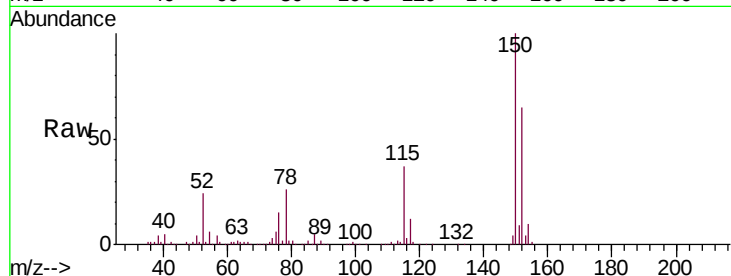
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.0	50.1	75.1

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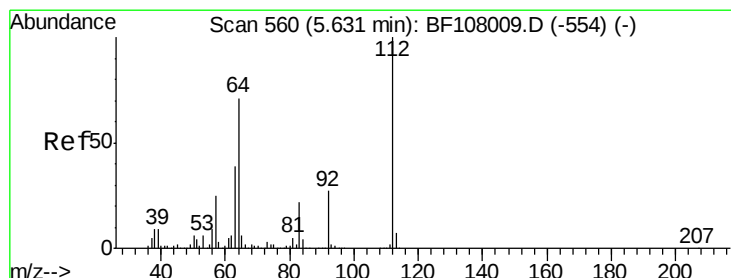
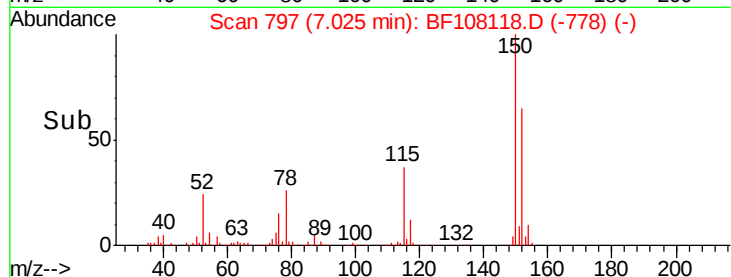
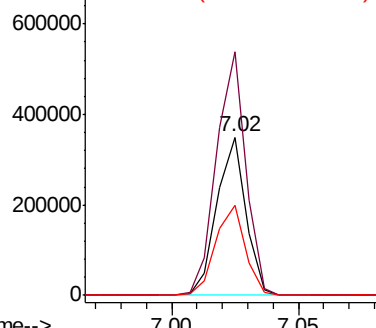


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

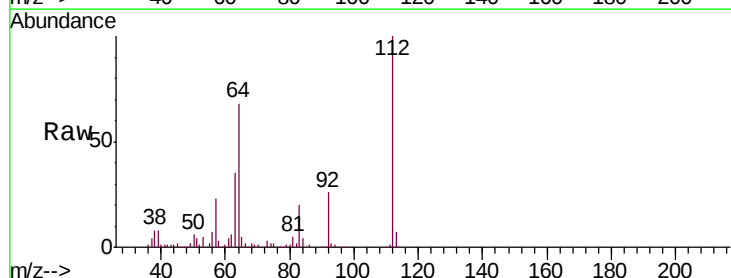
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.648 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	47.9	71.9
63	35.4	23.7	35.5

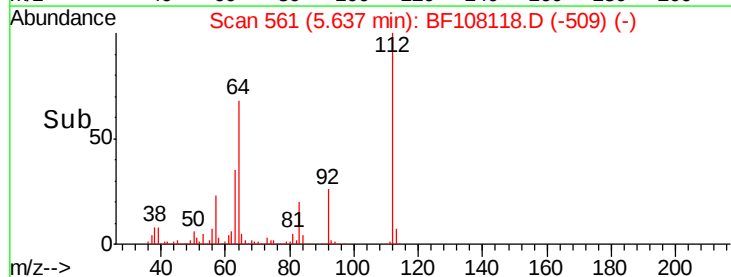
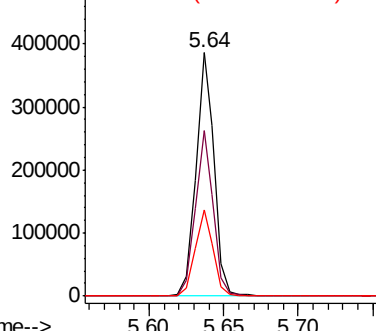


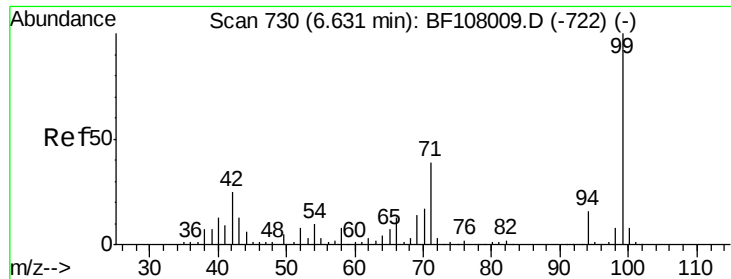
Abundance

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: 22.617 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

ClientSampled :

JC-03-080918-D

Tgt Ion: 99 Resp: 460895

Ion Ratio Lower Upper

99 100

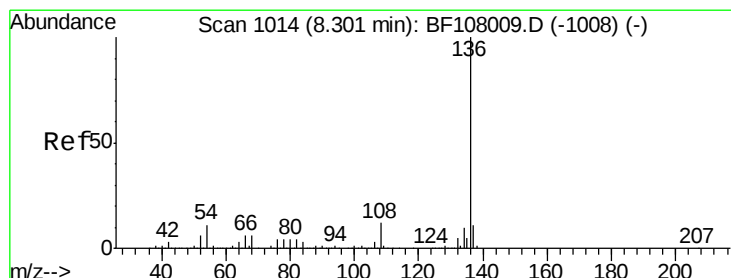
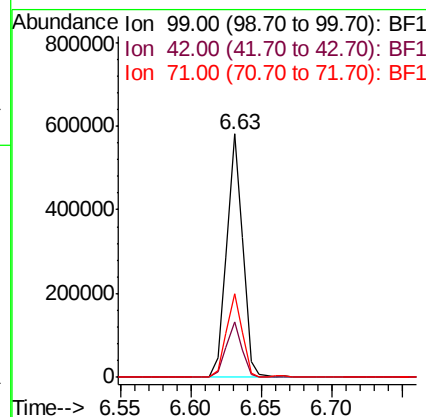
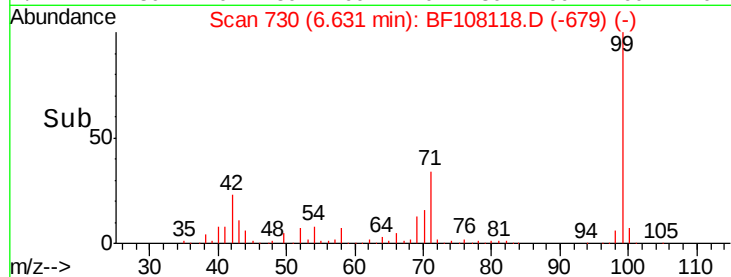
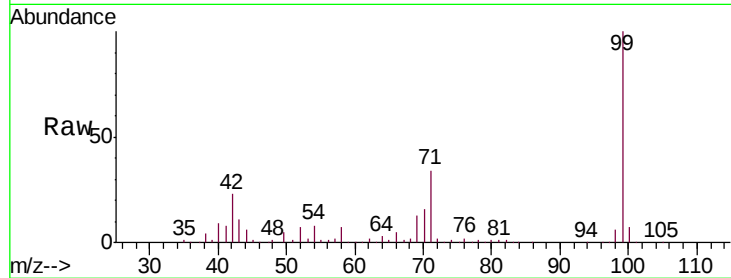
42 22.5 14.5 21.7#

71 34.4 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Tgt Ion: 136 Resp: 1043176

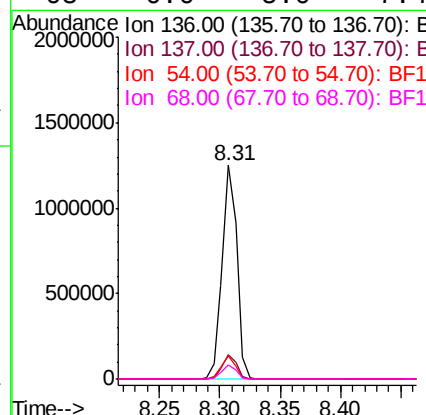
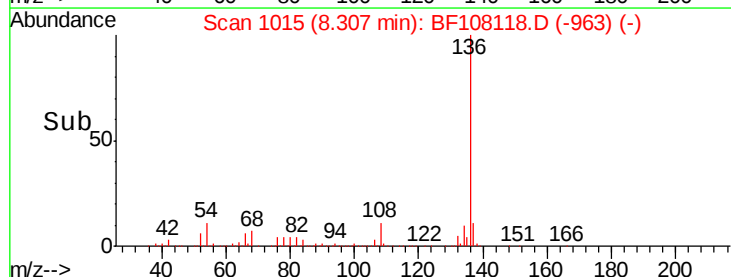
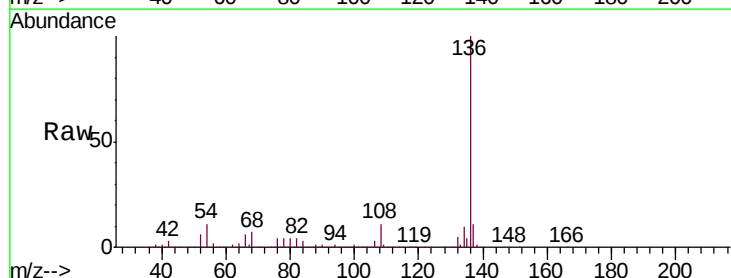
Ion Ratio Lower Upper

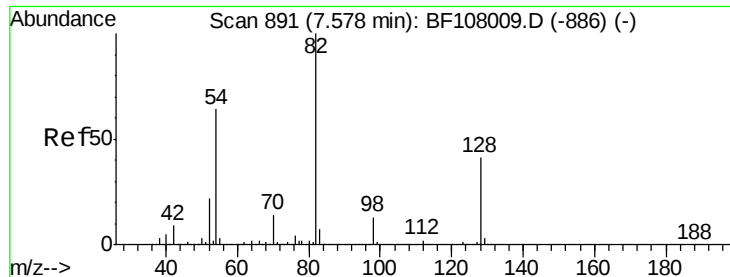
136 100

137 11.4 8.9 13.3

54 10.9 6.6 9.8#

68 6.6 5.0 7.4





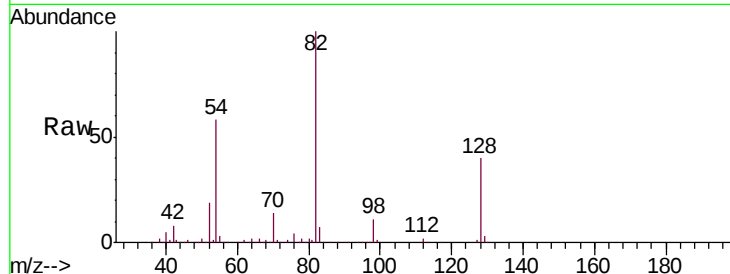
#23
 Nitrobenzene-d5
 Concen: 14.936 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

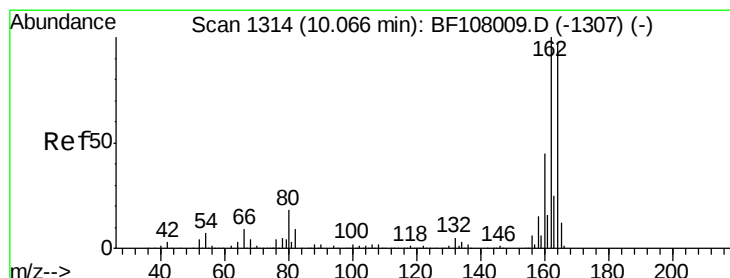
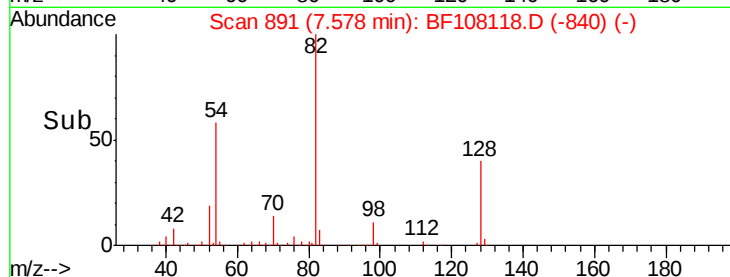
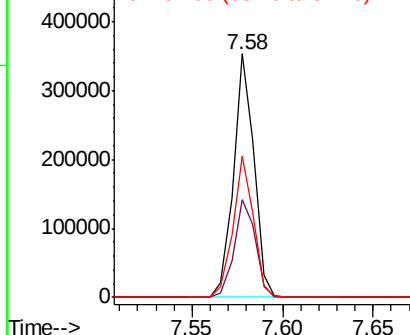
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	279223		
128	40.0	36.1	54.1	
54	58.2	41.4	62.2	

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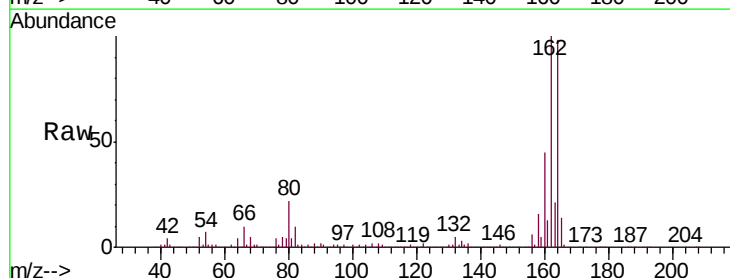


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

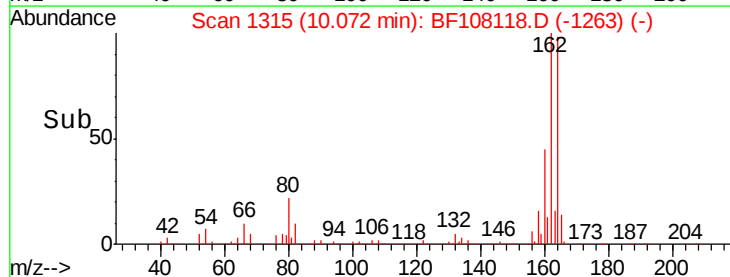
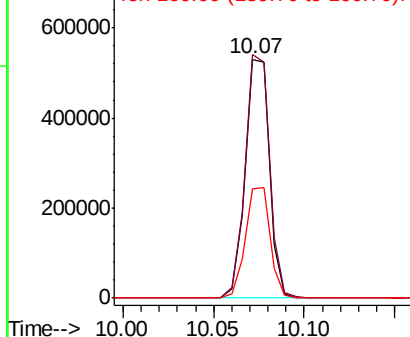


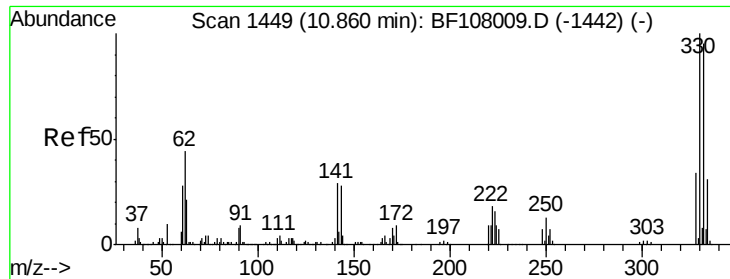
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	491757		
162	102.0	86.1	129.1	
160	45.8	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





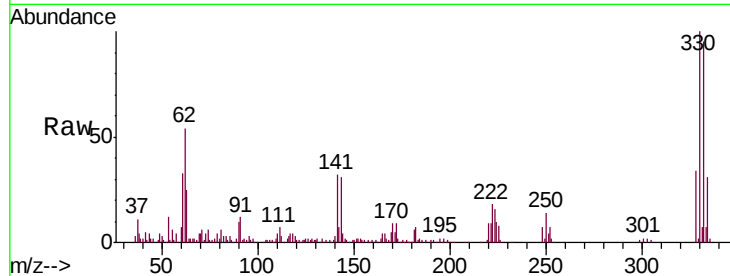
#41
 2,4,6-Tribromophenol
 Concen: 19.428 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	95298		
332	96.2	77.0	115.6	
141	33.1	29.9	44.9	

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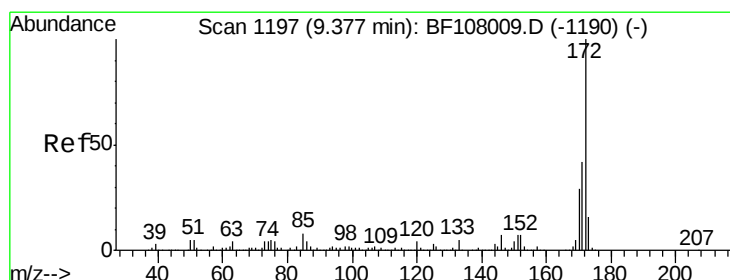
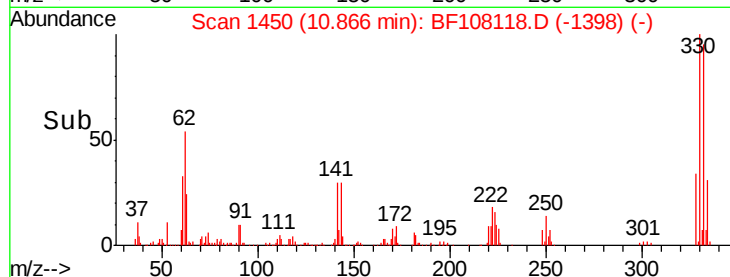
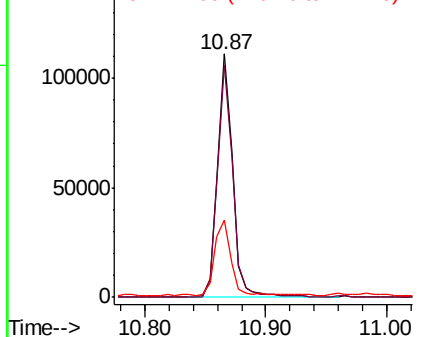


Abundance

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: 16.861 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

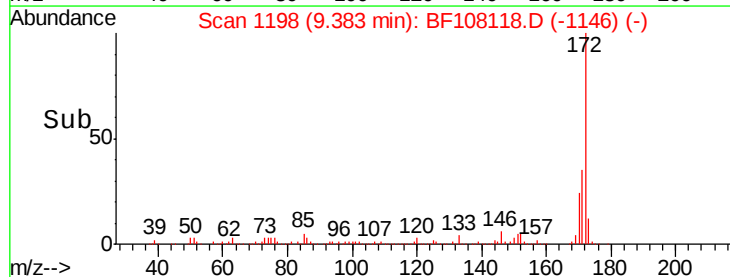
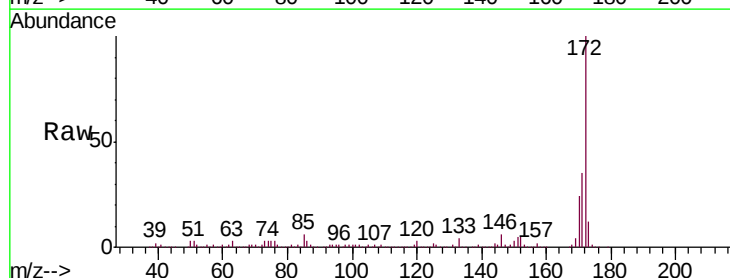
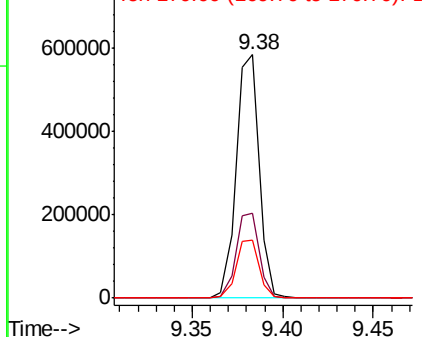
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	516459		
171	35.1	29.7	44.5	
170	23.8	19.6	29.4	

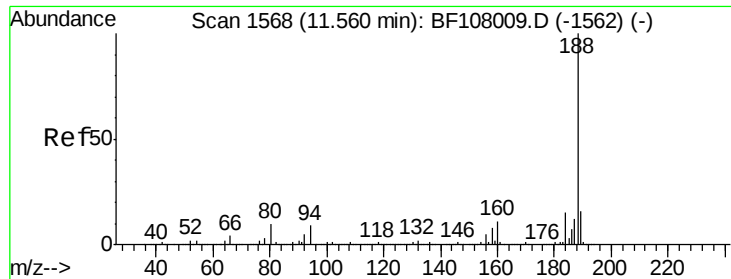
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.57 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

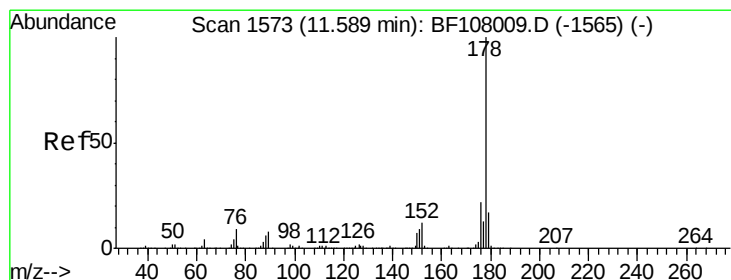
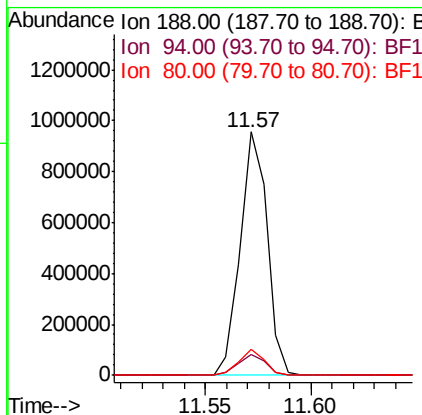
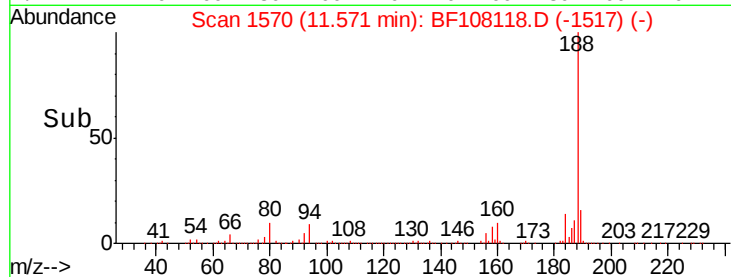
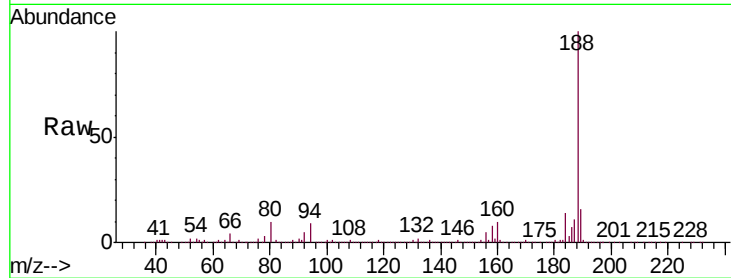
ClientSampleId :

JC-03-080918-D

Tgt Ion:	188	Resp:	841626
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	10.5	9.2	13.8

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#70

Phenanthrene

Concen: 6.932 ng

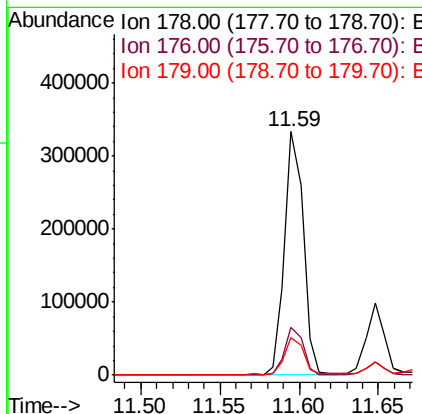
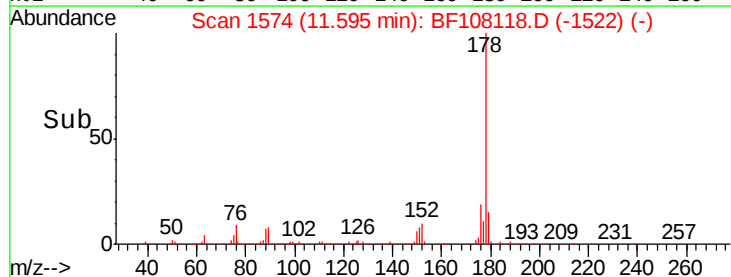
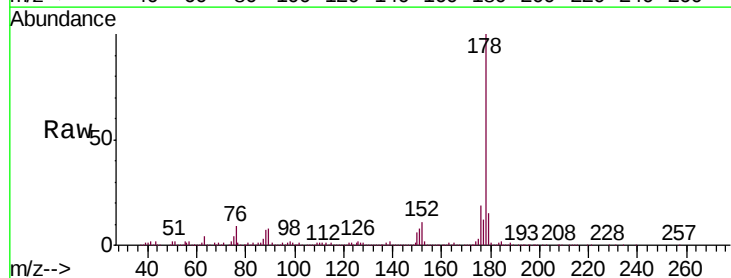
RT: 11.59 min Scan# 1574

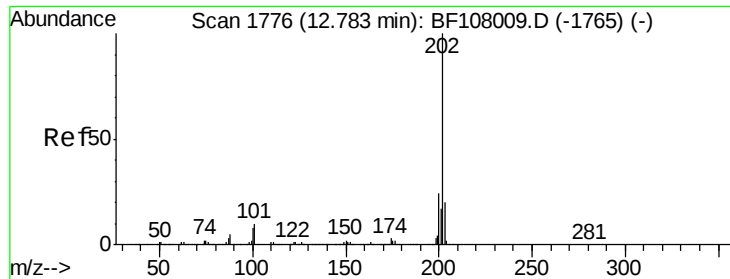
Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Tgt Ion:	178	Resp:	275180
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6





#74

Fluoranthene

Concen: 7.181 ng

RT: 12.79 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Instrument :

BNA_F

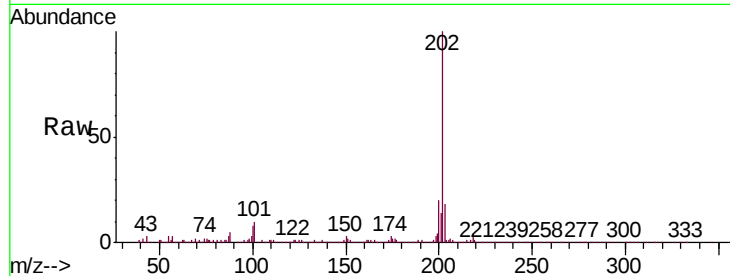
ClientSampleId :

JC-03-080918-D

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		311108		
101	10.1	0.0	34.1		
203	18.0	0.0	38.1		

Manual Integrations
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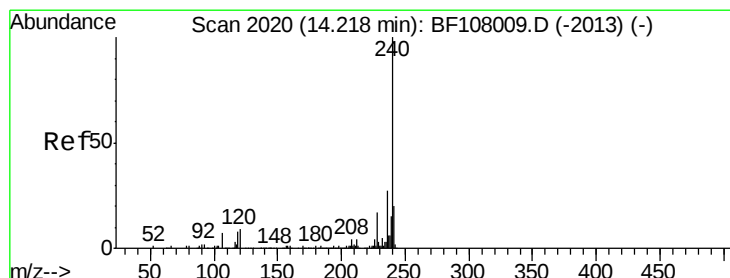
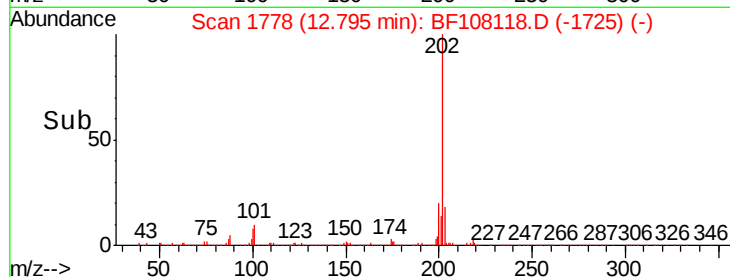
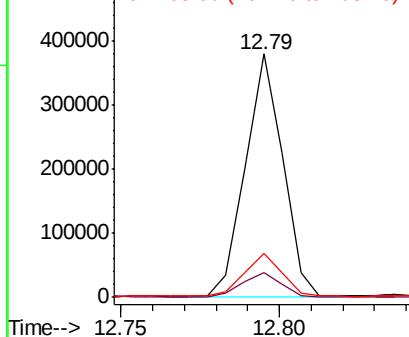


Abundance

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

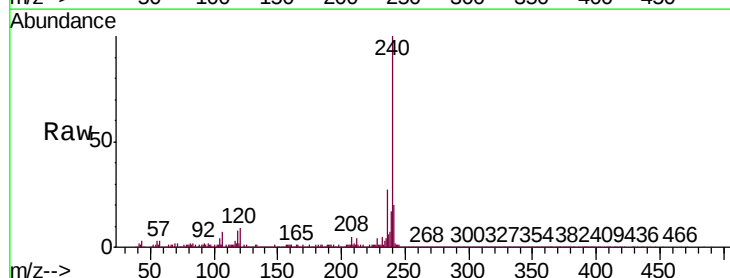
RT: 14.24 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF108118.D

Acq: 13 Aug 2018 16:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		638859		
120	9.4	9.5	14.3#		
236	26.9	20.7	31.1		

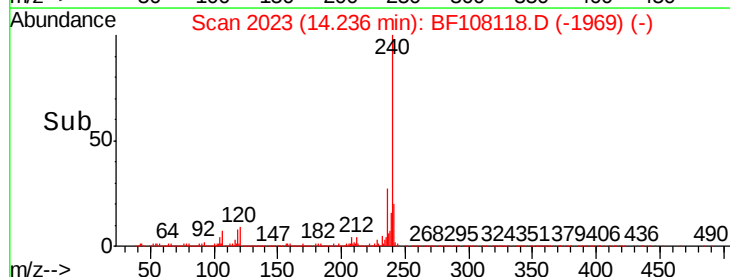
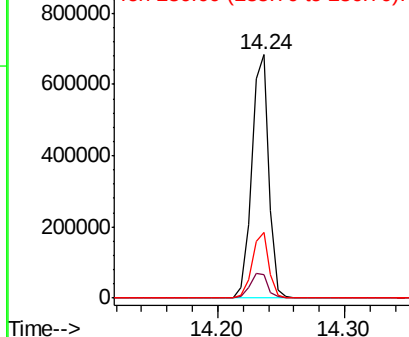


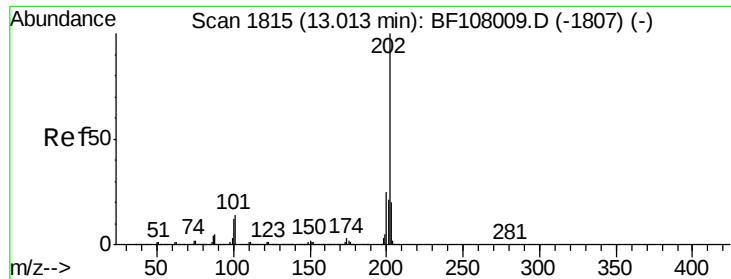
Abundance

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





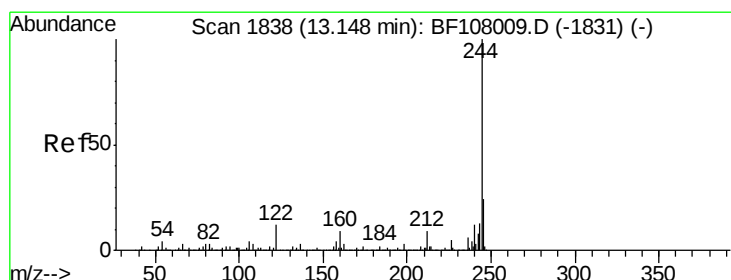
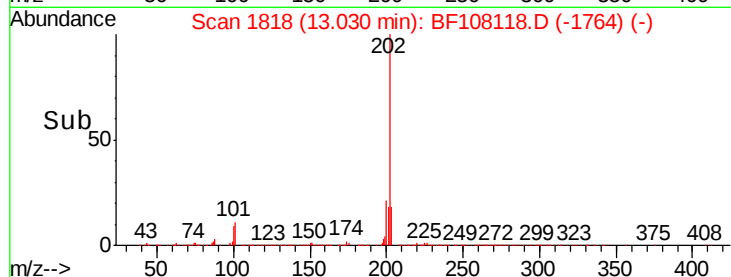
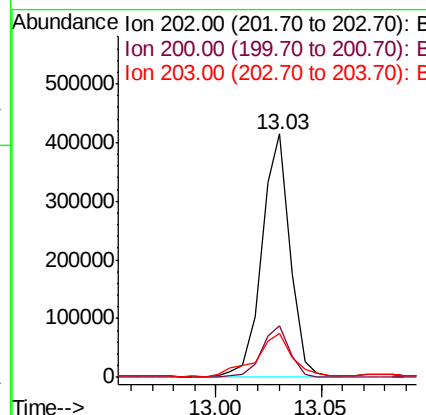
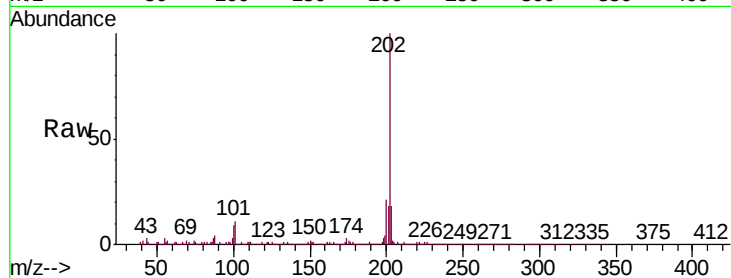
#77
 Pyrene
 Concen: 9.448 ng
 RT: 13.03 min Scan# 1818
 Delta R.T. 0.02 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	382147		
200	21.3	17.4	26.2	
203	18.1	14.3	21.5	

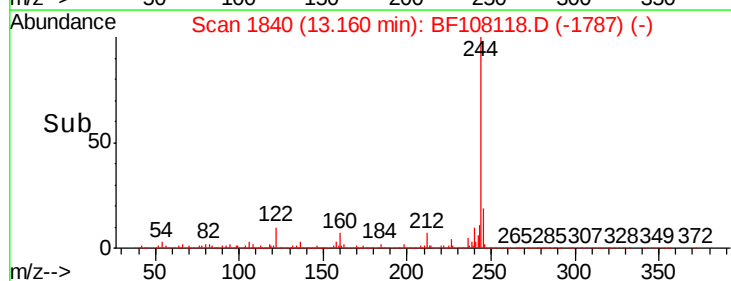
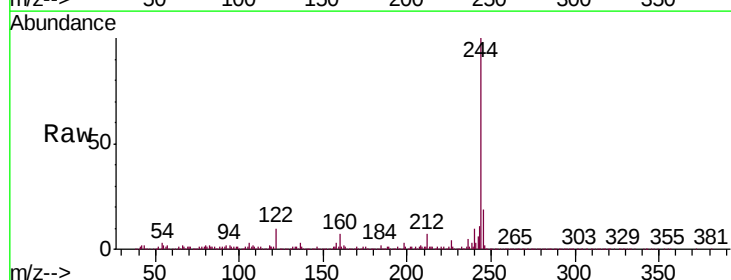
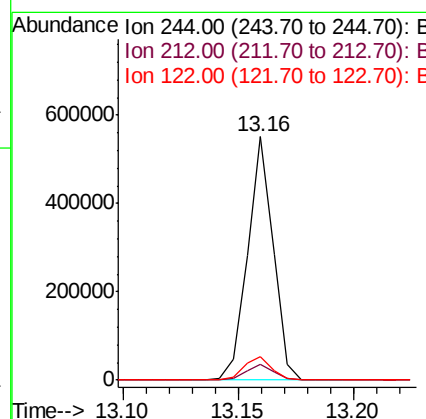
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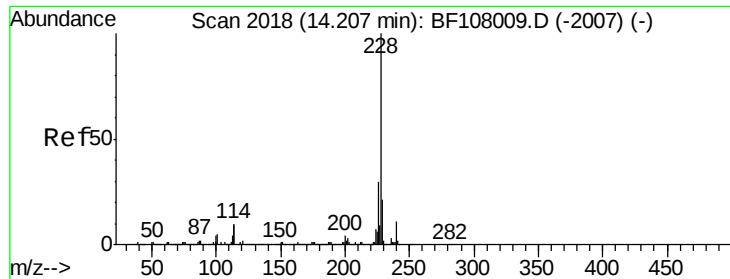
Sohil
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#78
 Terphenyl-d14
 Concen: 16.892 ng
 RT: 13.16 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	424438		
212	6.7	5.4	8.0	
122	9.7	11.0	16.4	





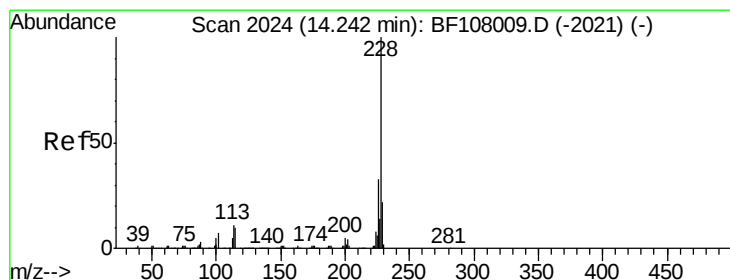
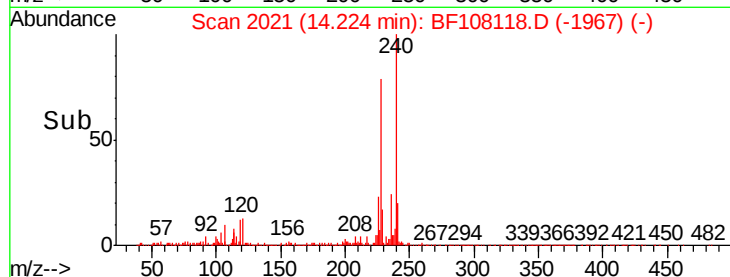
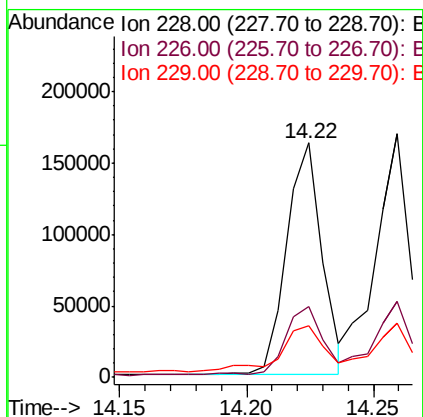
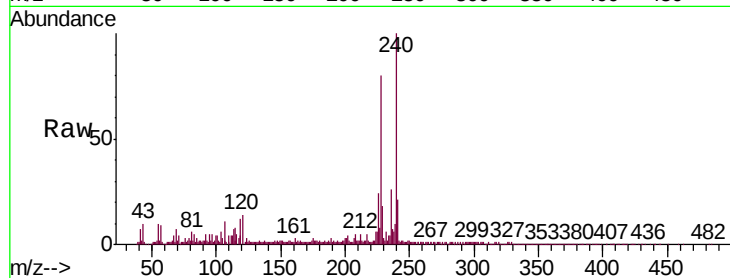
#80
Benzo(a)anthracene
Concen: 4.261 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	22.1	15.8	23.6

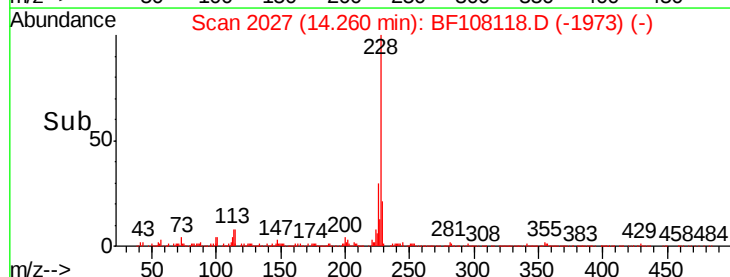
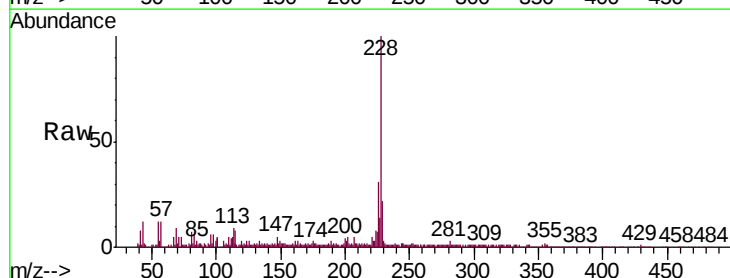
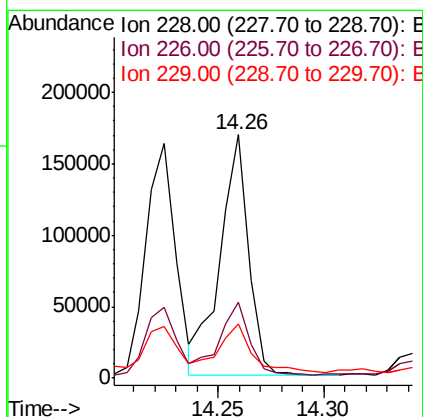
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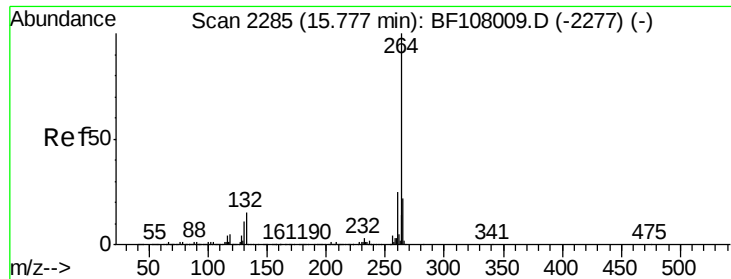
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#82
Chrysene
Concen: 4.683 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.1	16.2	24.4





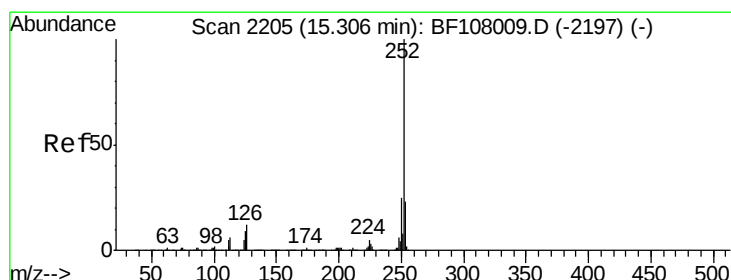
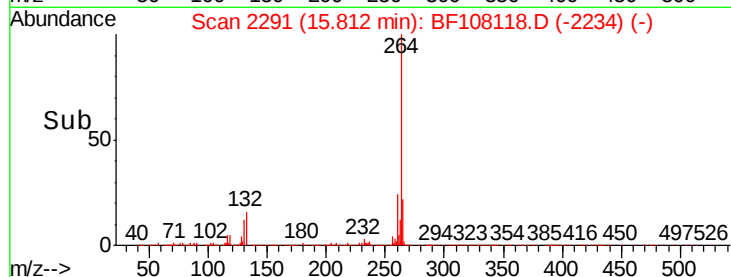
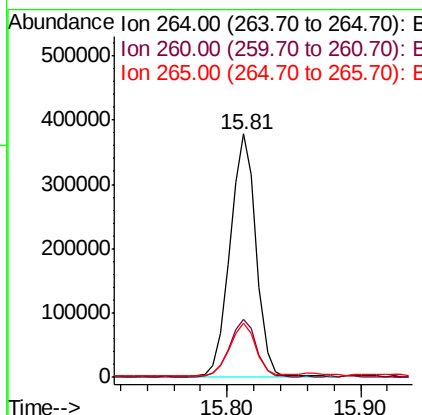
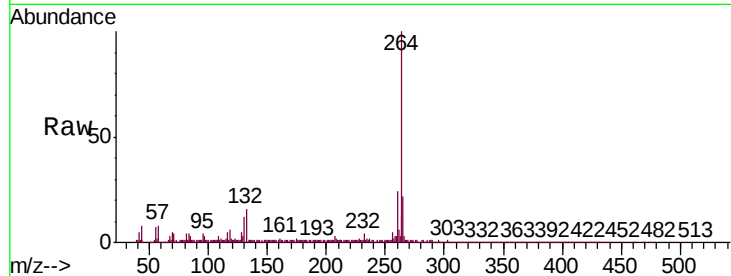
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	509120		
260	23.8	19.2	28.8	
265	22.1	17.5	26.3	

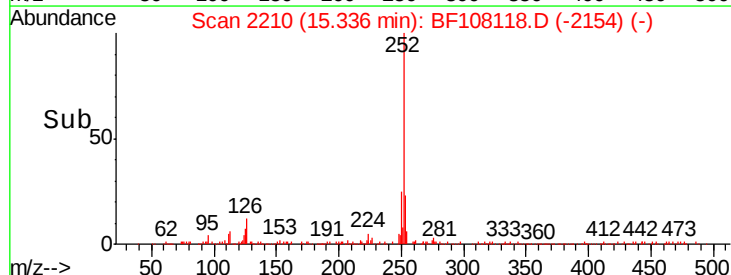
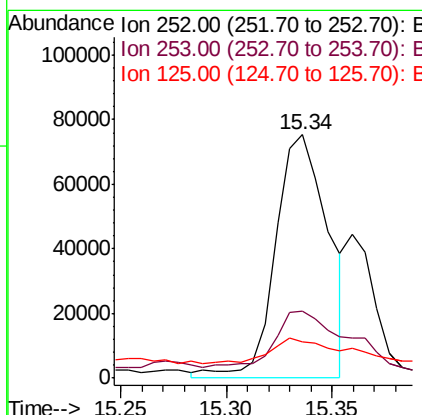
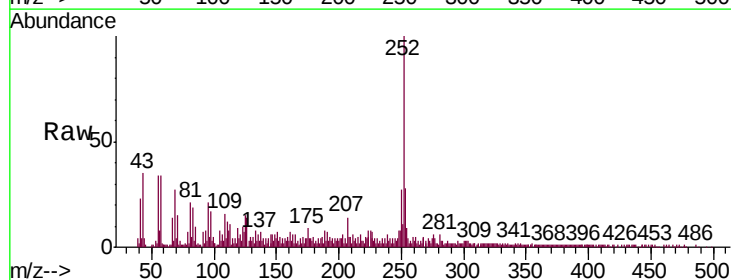
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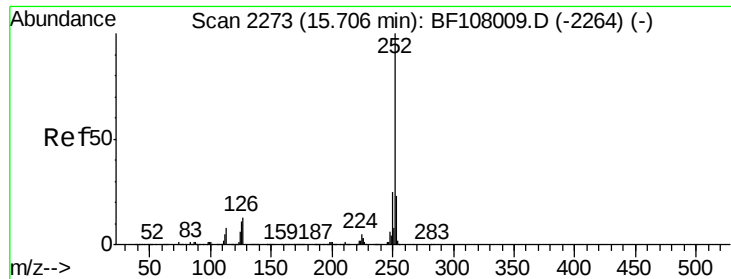
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#87
Benzo(b)fluoranthene
Concen: 4.307 ng m
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108118.D
Acq: 13 Aug 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	131035		
253	27.6	17.0	25.6#	
125	14.6	9.0	13.6#	





#89
 Benzo(a)pyrene
 Concen: 3.715 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. 0.04 min
 Lab File: BF108118.D
 Acq: 13 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.1	17.1	25.7		
125	16.6	9.8	14.6		

Manual Integrations
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