

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108090.D
 Acq On : 10 Aug 2018 18:05
 Operator : JU/SJ
 Sample : J4272-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/13/2018 3:52:05 PM

Quant Time: Aug 10 18:46:30 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	292173	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1049386	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	462150	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	759550	20.00	ng	0.00
75) Chrysene-d12	14.22	240	666438	20.00	ng	0.00
86) Perylene-d12	15.79	264	539636	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	806363	49.97	ng	0.00
7) Phenol-d6	6.62	99	1095795	51.10	ng	0.00
23) Nitrobenzene-d5	7.57	82	695813	37.00	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	211806	45.95	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1202411	41.77	ng	0.00
78) Terphenyl-d14	13.15	244	1009438	38.51	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	131448	4.083	ng	Qvalue # 98
70) Phenanthrene	11.58	178	370302	10.336	ng	98
71) Anthracene	11.64	178	112778	3.071	ng	100
74) Fluoranthene	12.78	202	471245	12.053	ng	96
77) Pyrene	13.02	202	472054	11.188	ng	98
80) Benzo(a)anthracene	14.21	228	243999	6.380	ng	96
82) Chrysene	14.24	228	204633	5.836	ng	97
85) Indeno(1,2,3-cd)pyrene	17.41	276	70241	2.312	ng	# 90
87) Benzo(b)fluoranthene	15.31	252	224768m	6.971	ng	
88) Benzo(k)fluoranthene	15.34	252	81224m	2.740	ng	
89) Benzo(a)pyrene	15.71	252	156057	5.405	ng	94
91) Benzo(g,h,i)perylene	17.90	276	67639	2.875	ng	92

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

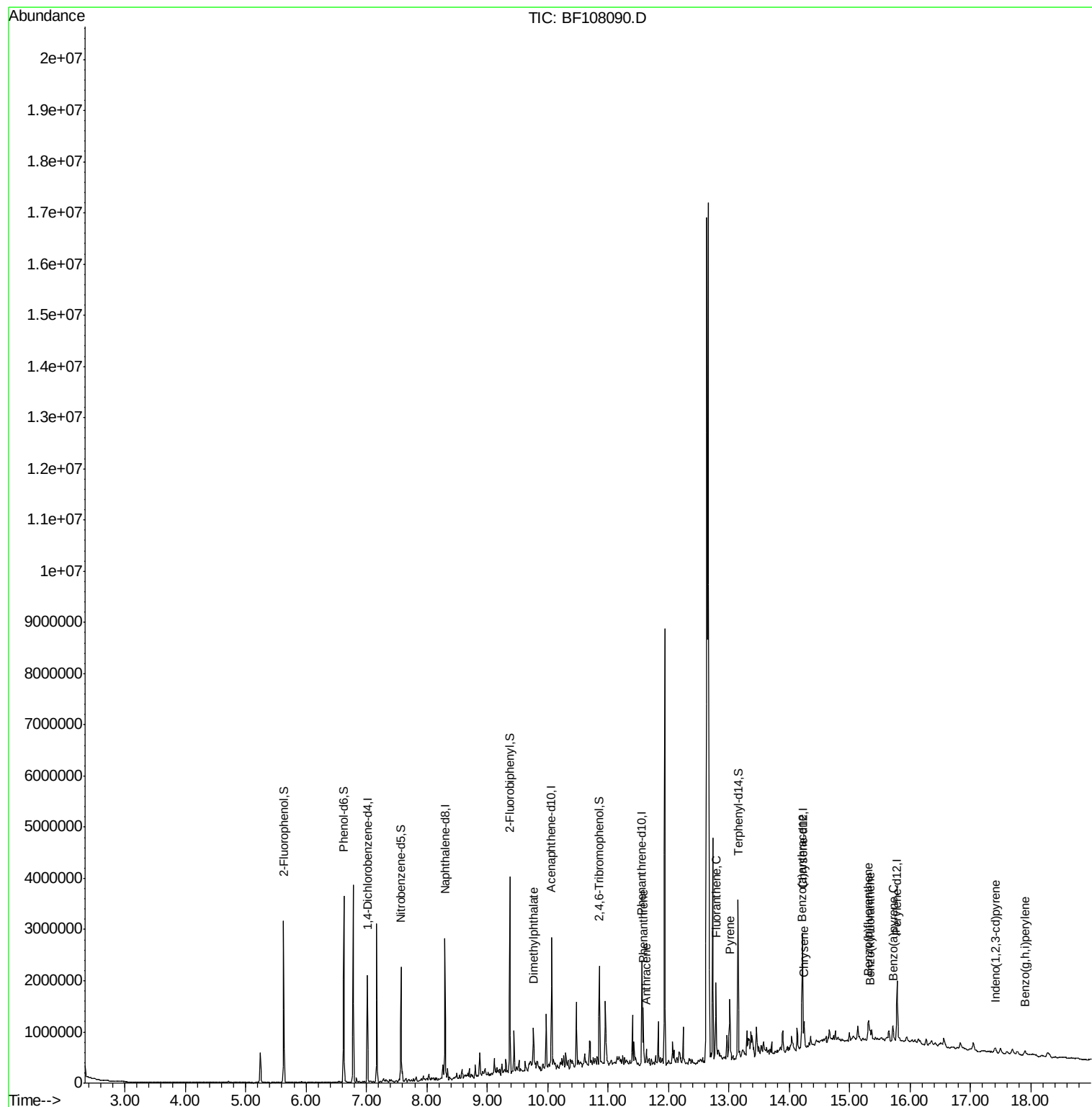
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108090.D
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Operator : JU/SJ
Sample : J4272-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

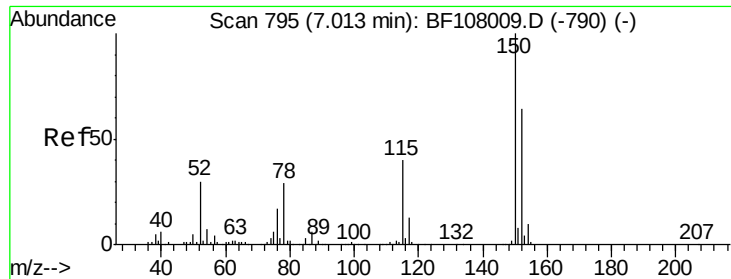
Instrument :
BNA_F
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JC-03-080918-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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#1

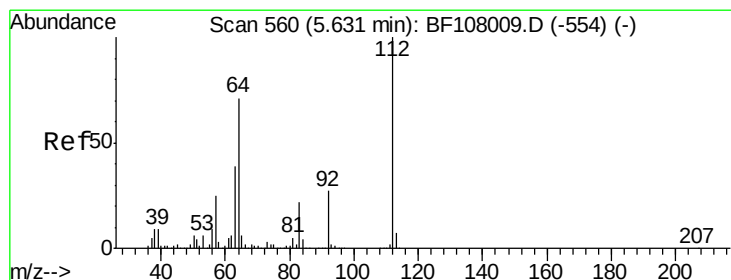
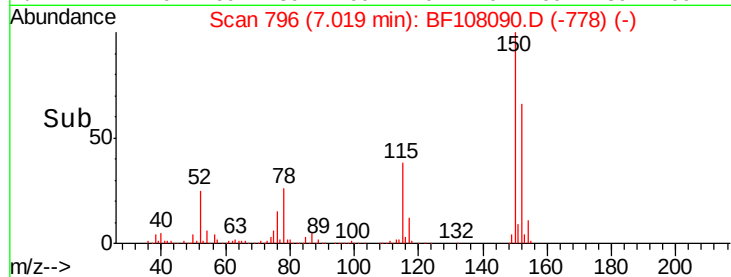
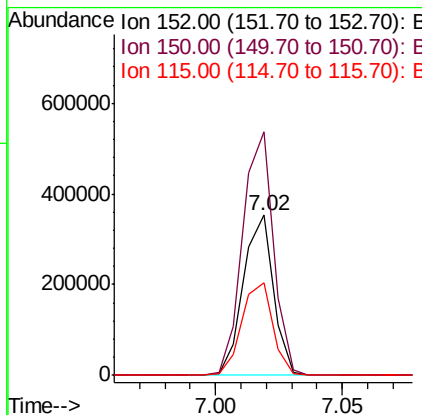
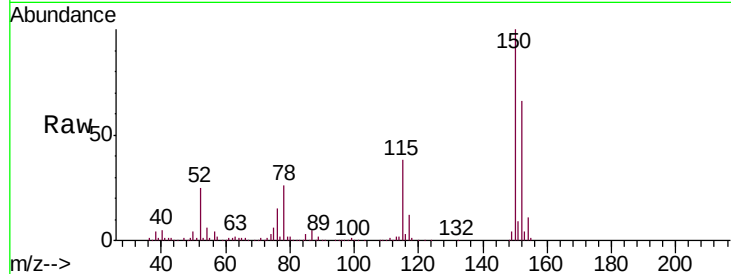
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	292173		
150	151.9	124.6	186.8	
115	57.9	50.1	75.1	

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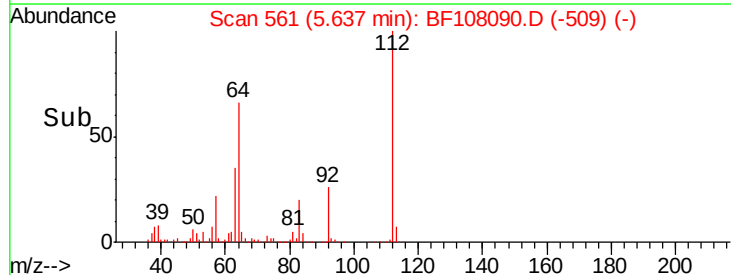
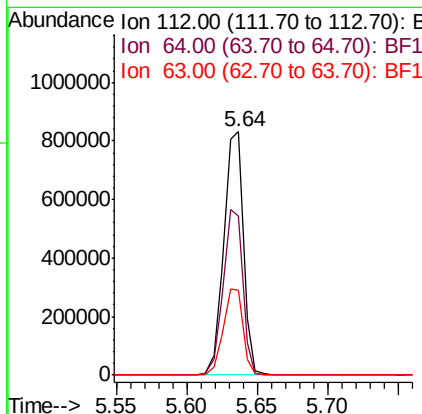
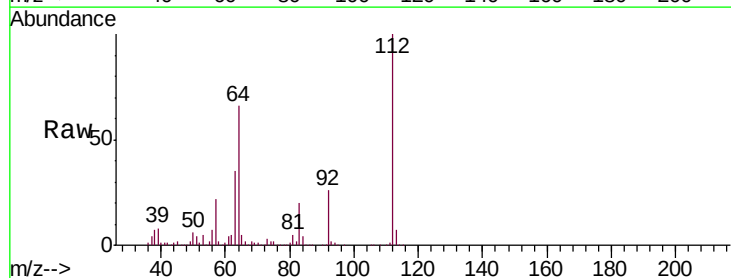
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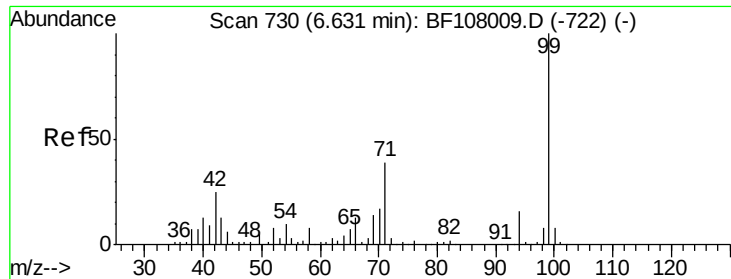


#5

2-Fluorophenol
Concen: 49.966 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	806363		
64	65.6	47.9	71.9	
63	35.1	23.7	35.5	





#7

Phenol-d6

Concen: 51.097 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-A

Tgt Ion: 99 Resp: 1095795

Ion Ratio Lower Upper

99 100

42 24.0 14.5 21.7#

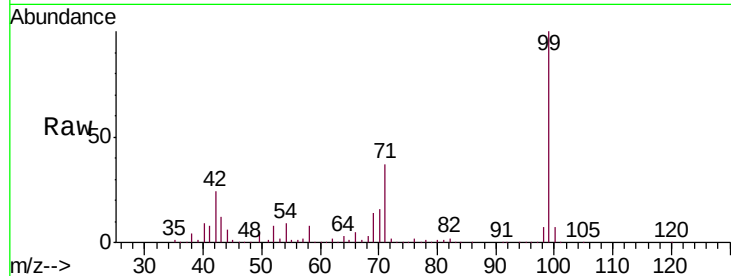
71 37.0 25.4 38.0

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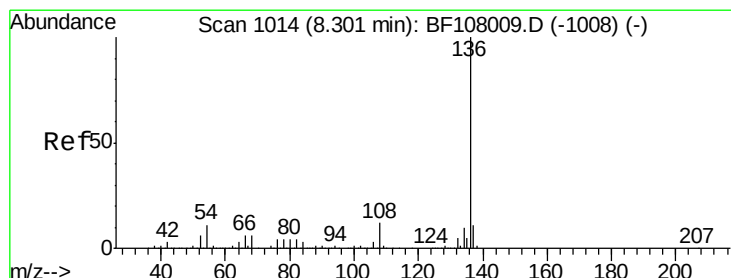
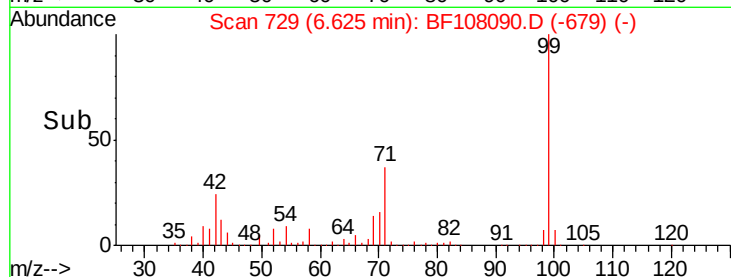
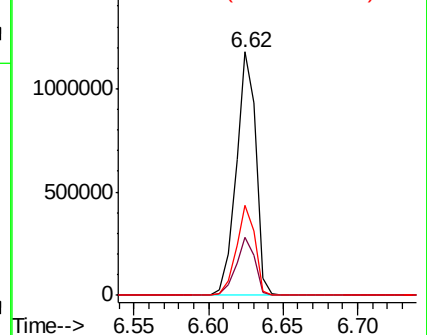
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

Tgt Ion: 136 Resp: 1049386

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.4 6.6 9.8#

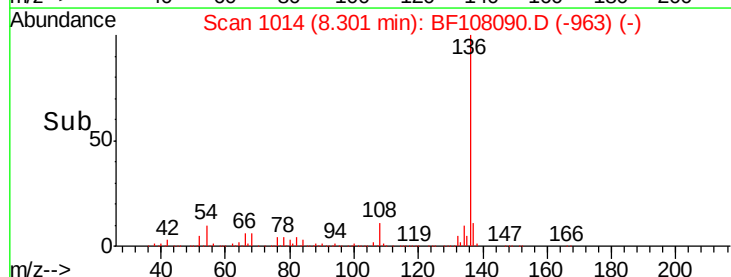
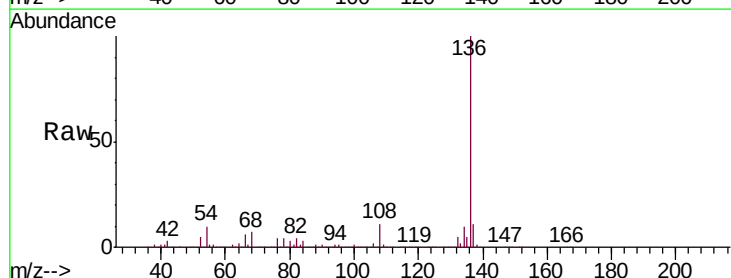
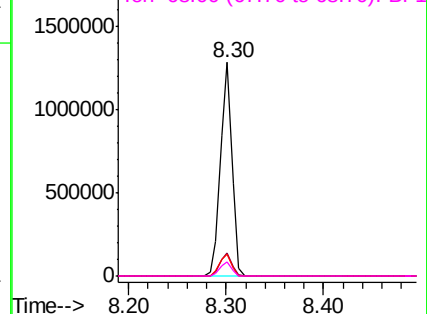
68 6.5 5.0 7.4

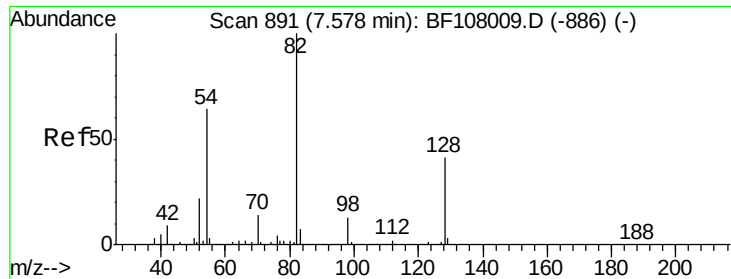
Abundance Ion 136.00 (135.70 to 136.70): E

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





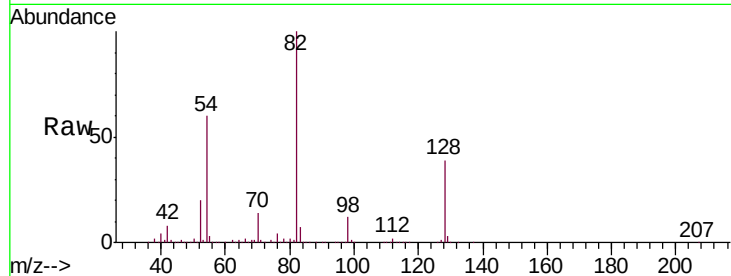
#23
 Nitrobenzene-d5
 Concen: 37.000 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	695813		
128	39.4	36.1	54.1	
54	60.4	41.4	62.2	

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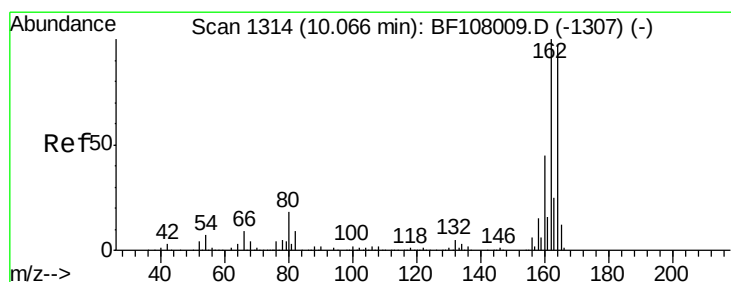
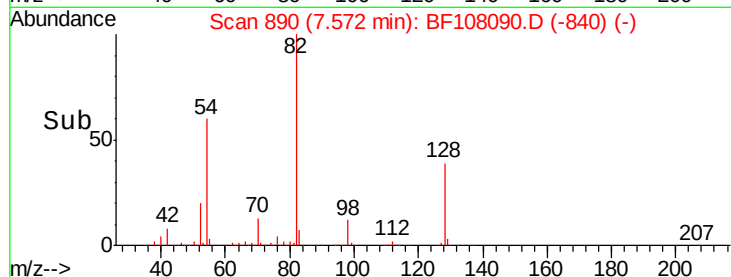
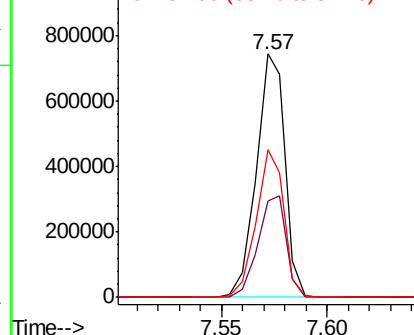


Abundance

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# 1314
 Delta R.T. 0.00 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

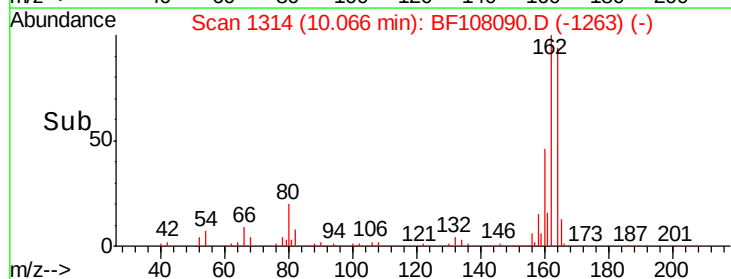
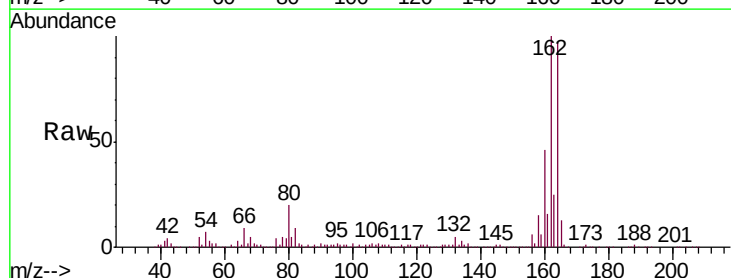
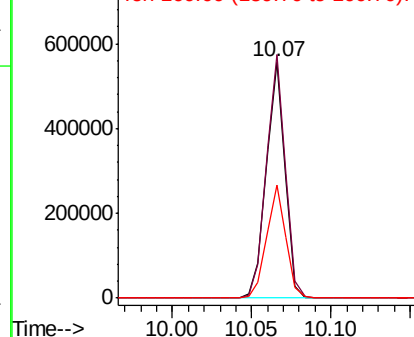
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	462150		
162	103.1	86.1	129.1	
160	47.9	38.3	57.5	

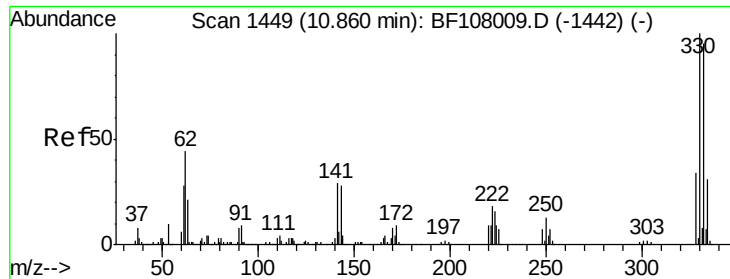
Abundance

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





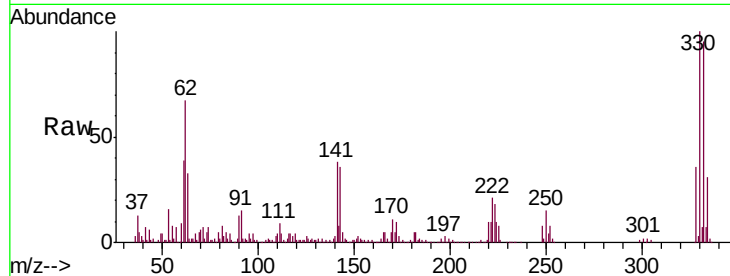
#41
 2,4,6-Tribromophenol
 Concen: 45.947 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	211806		
332	95.6	77.0	115.6	
141	31.8	29.9	44.9	

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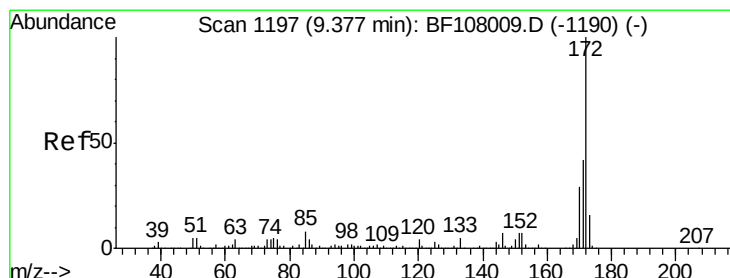
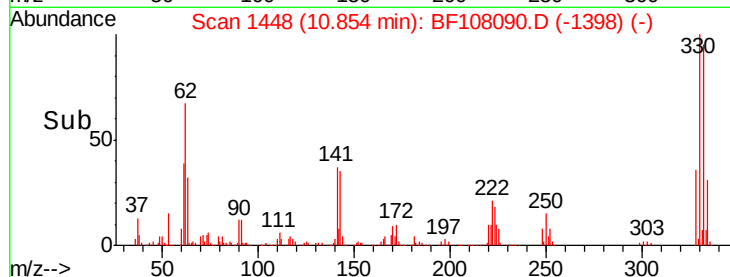
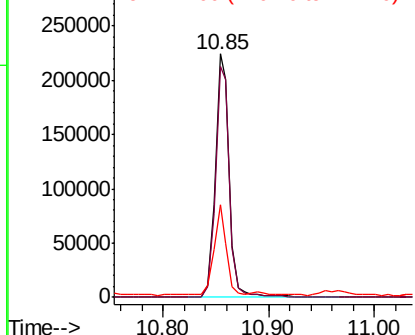


Abundance

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: 41.771 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

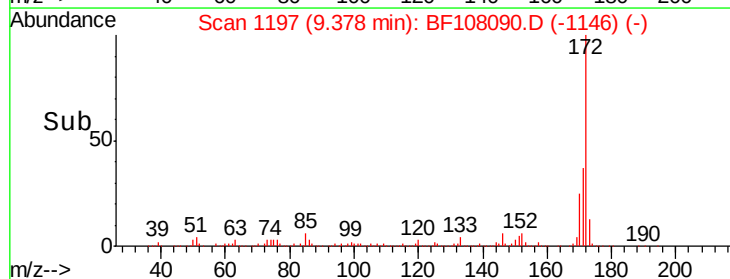
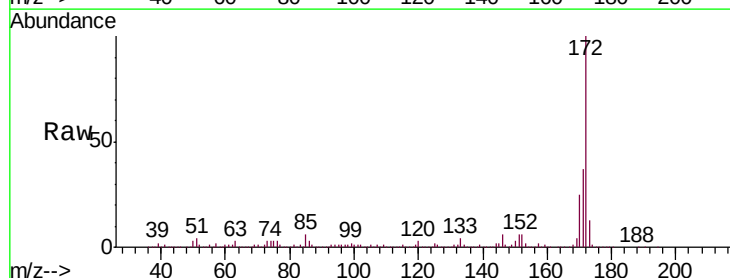
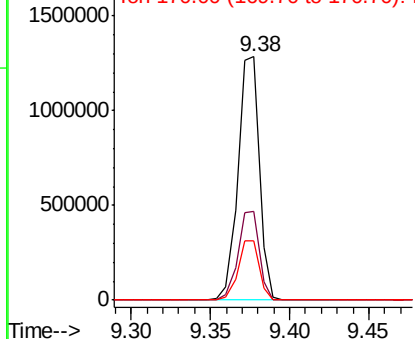
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1202411		
171	36.7	29.7	44.5	
170	24.6	19.6	29.4	

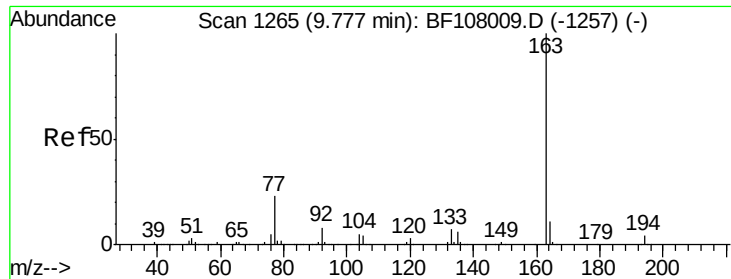
Abundance

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





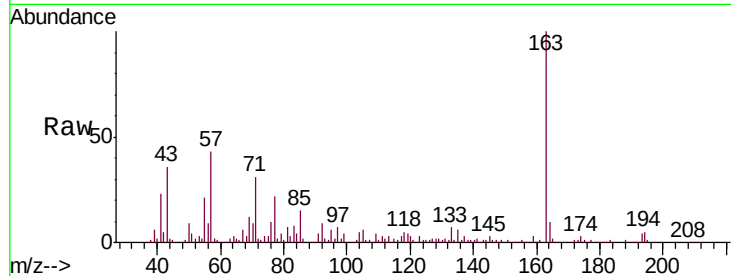
#49
Dimethylphthalate
Concen: 4.083 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	131448		
194	5.4	2.7	4.1#	
164	10.5	8.2	12.2	

Manual Integrations
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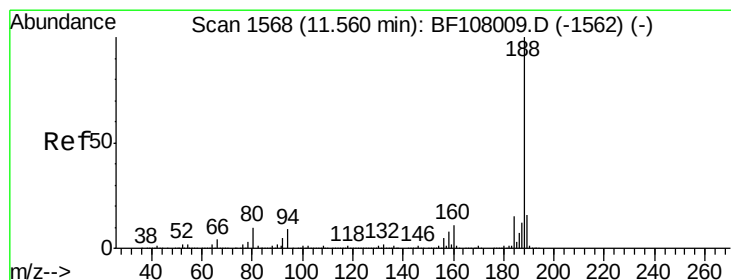
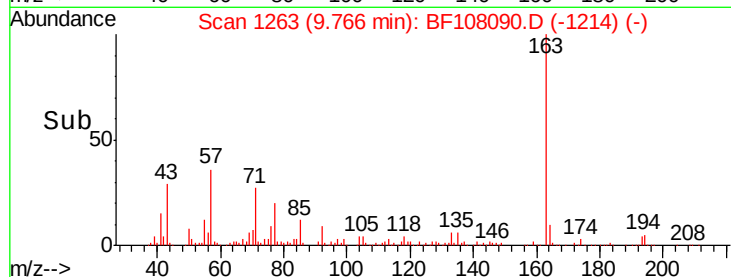
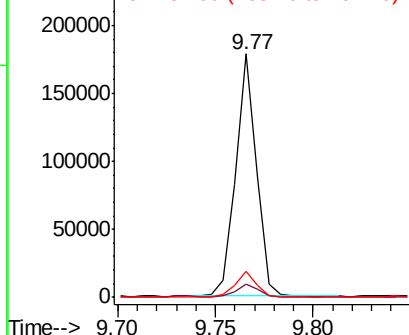


Abundance

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



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

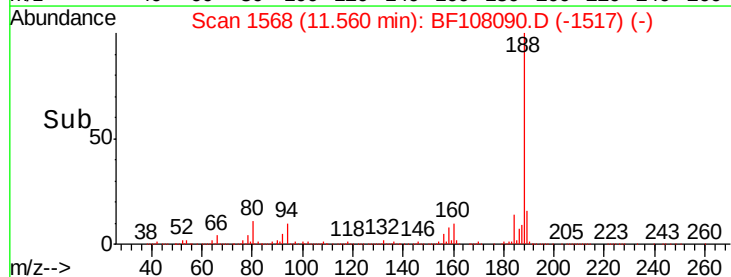
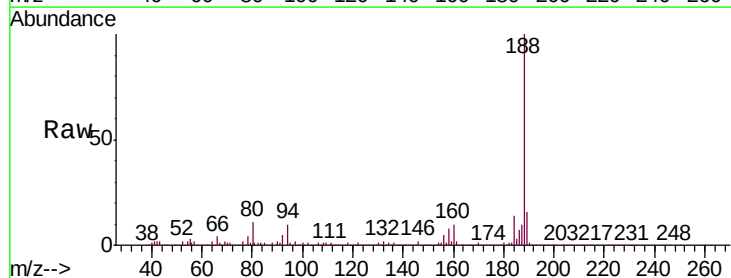
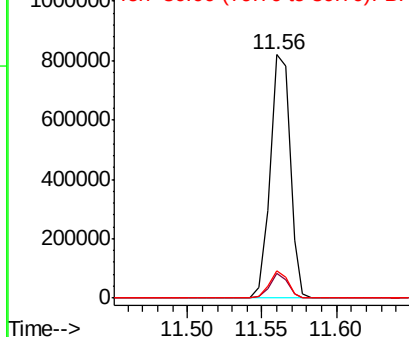
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	759550		
94	9.9	8.5	12.7	
80	11.3	9.2	13.8	

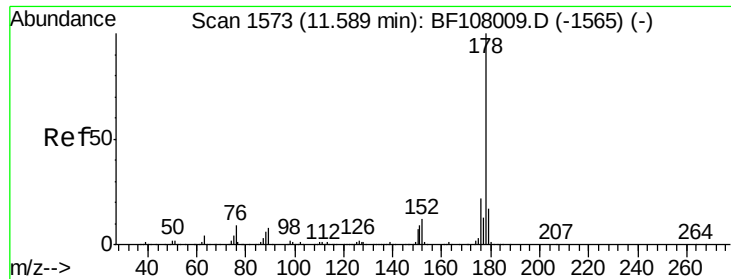
Abundance

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





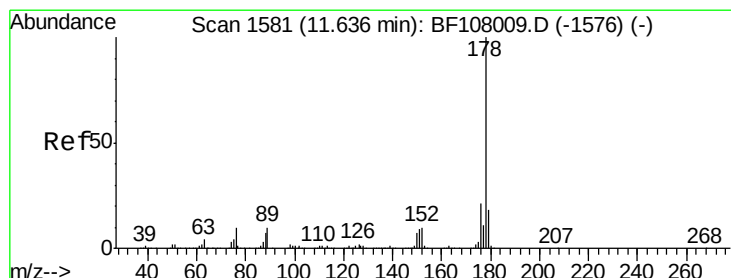
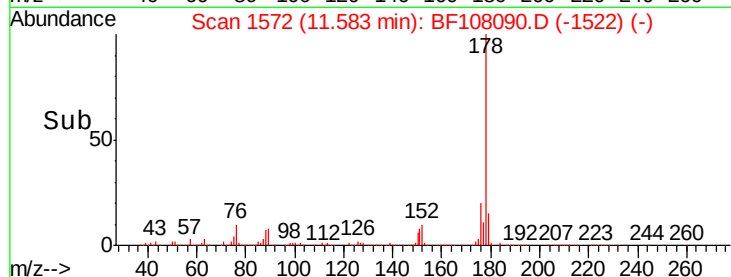
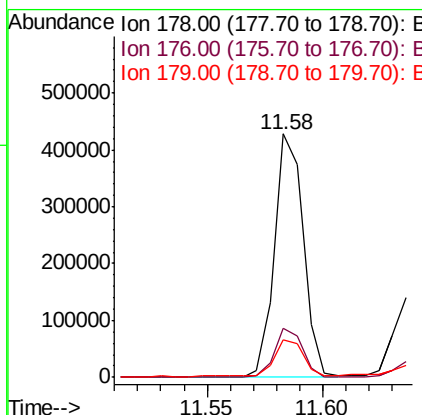
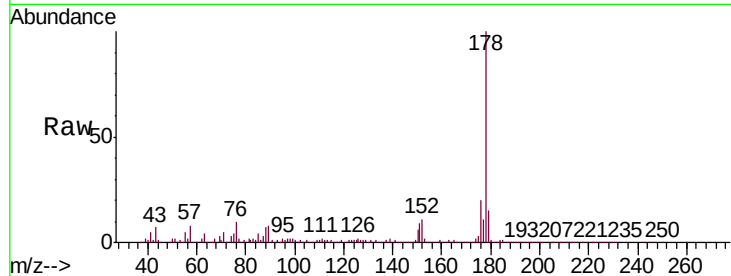
#70
Phenanthrene
Concen: 10.336 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.3	13.0	19.6

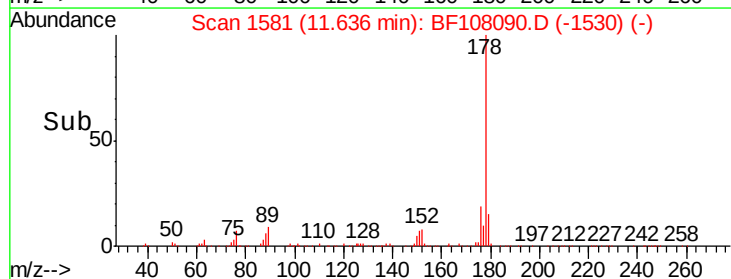
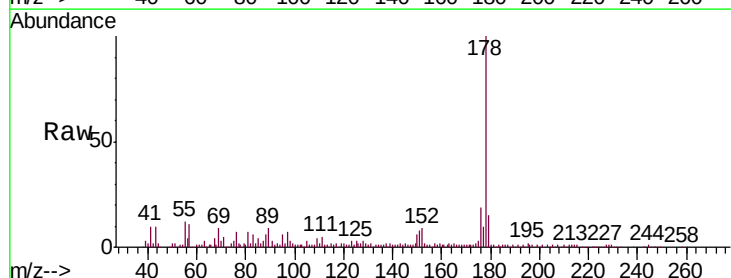
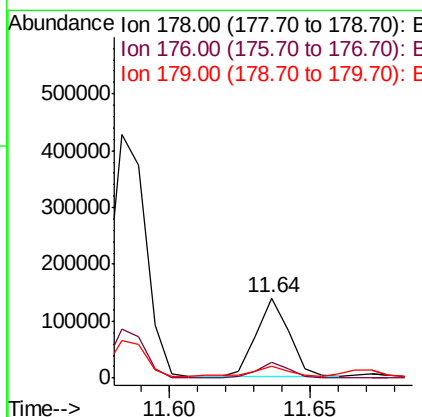
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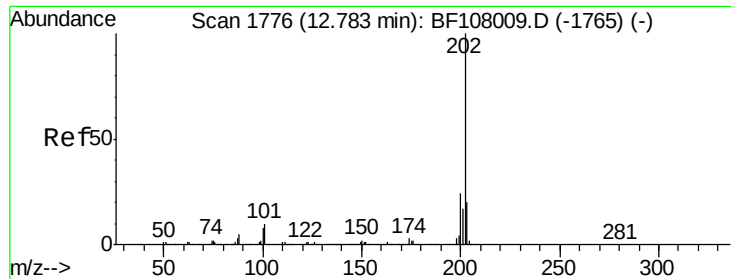
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#71
Anthracene
Concen: 3.071 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 12.053 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

Instrument :

BNA_F

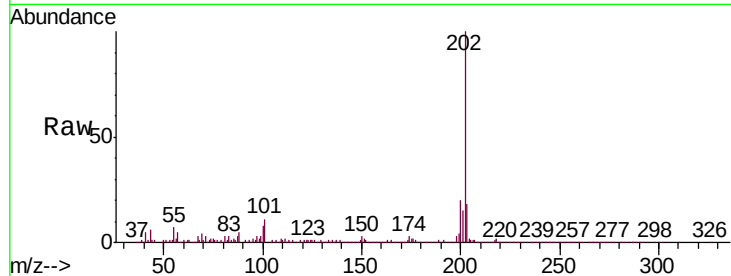
ClientSampleId :

JC-03-080918-A

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		471245		
101	10.9	0.0	34.1		
203	18.3	0.0	38.1		

Manual Integrations
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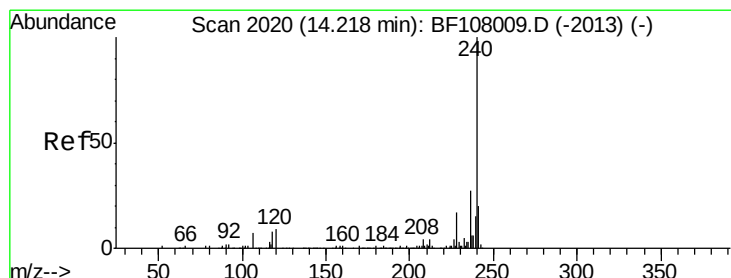
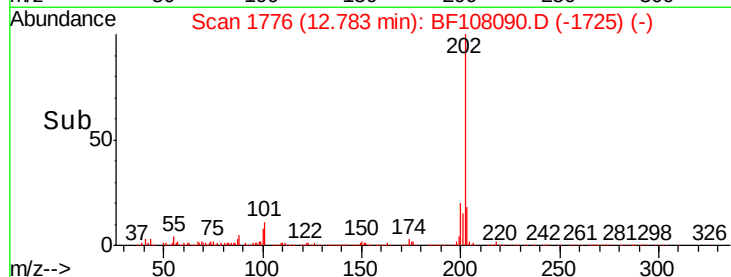
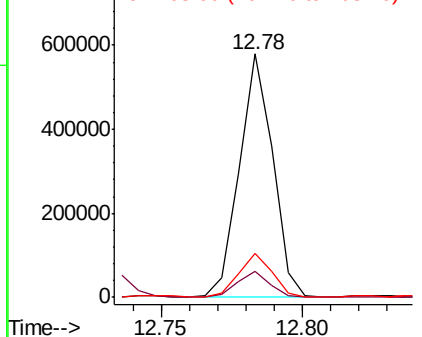


Abundance

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

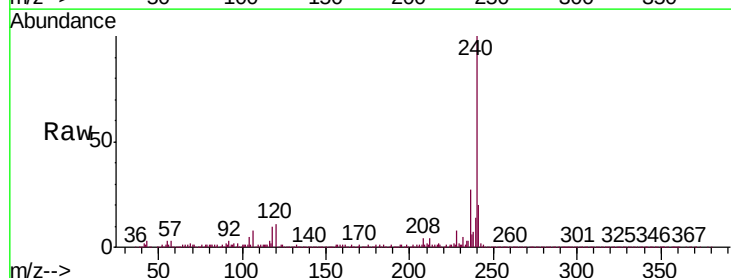
RT: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		666438		
120	11.4	9.5	14.3		
236	26.8	20.7	31.1		

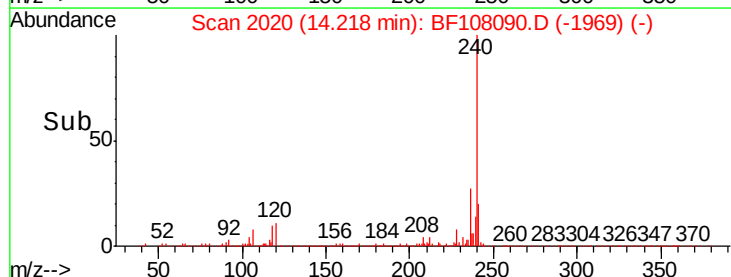
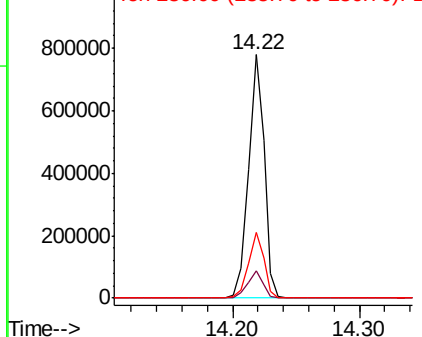


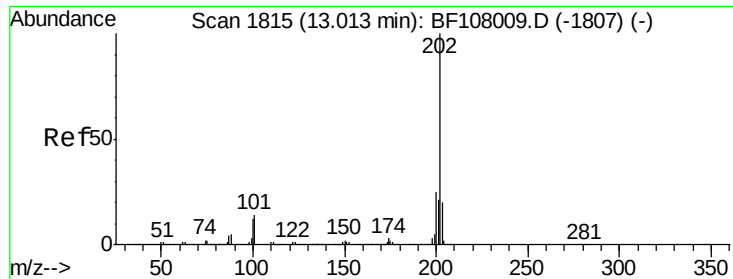
Abundance

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





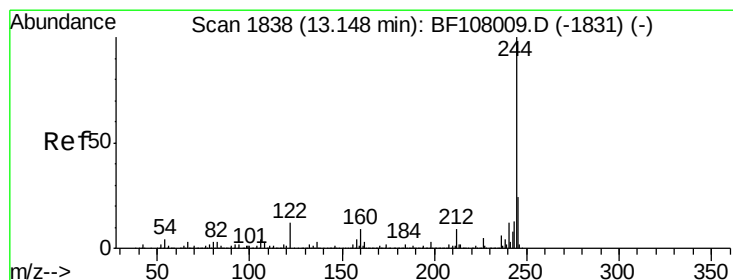
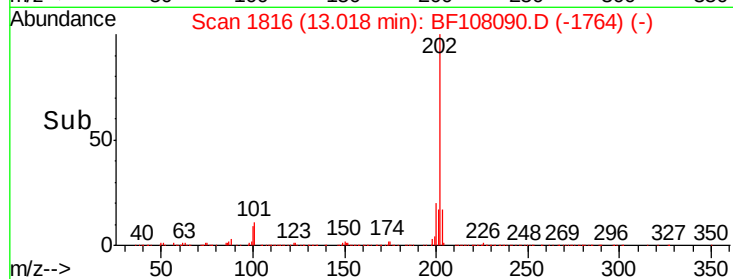
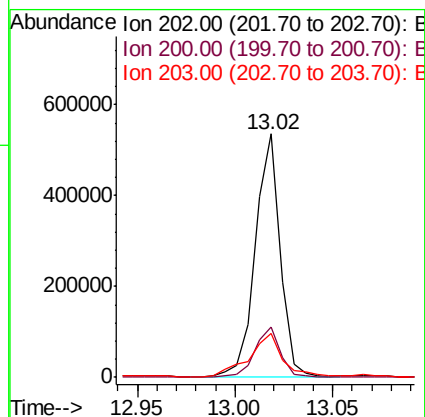
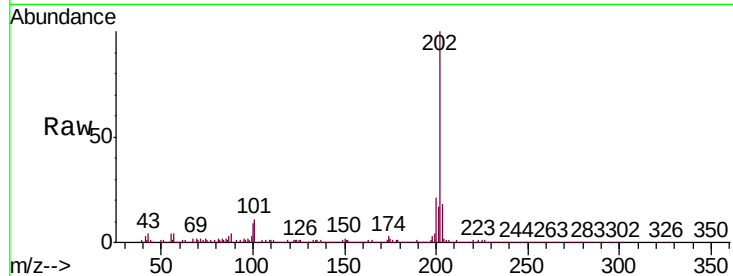
#77
 Pyrene
 Concen: 11.188 ng
 RT: 13.02 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

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

Tgt Ion:	202	Resp:	472054
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.1	14.3	21.5

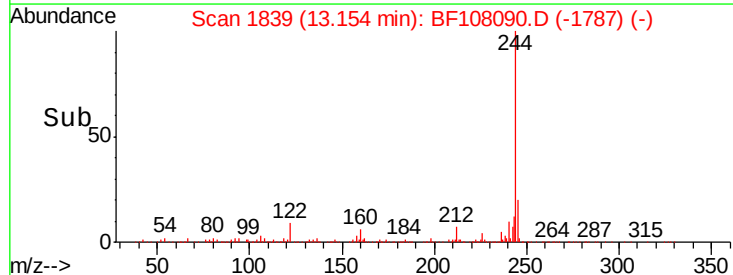
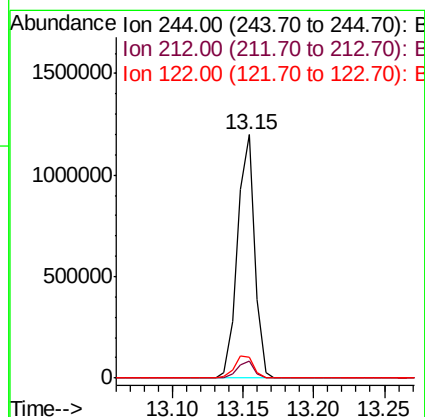
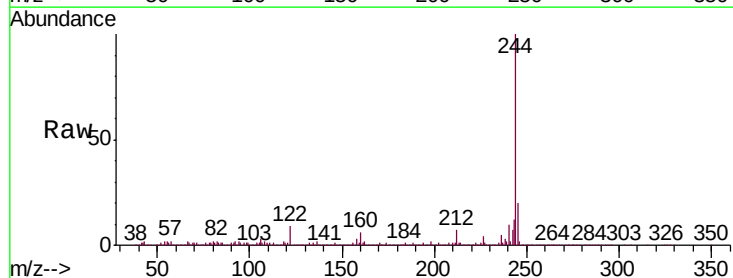
Manual Integrations
 APPROVED

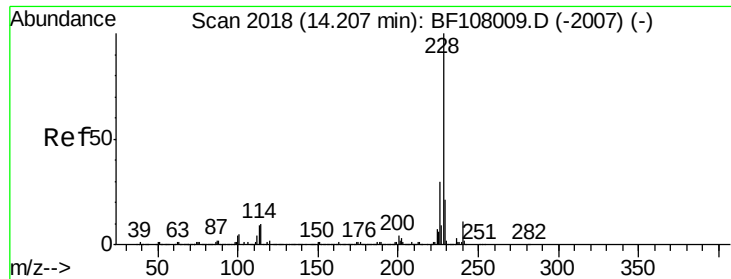
Sohil
 8/13/2018 3:52:05 PM



#78
 Terphenyl-d14
 Concen: 38.512 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

Tgt Ion:	244	Resp:	1009438
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	8.8	11.0	16.4#





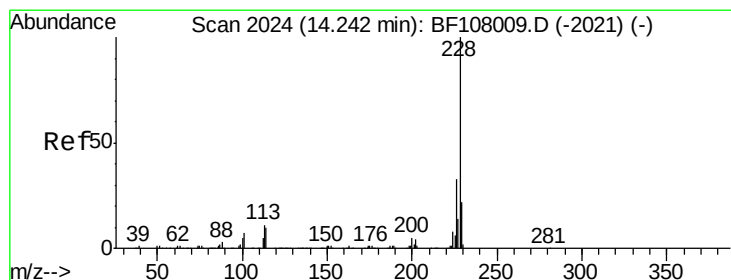
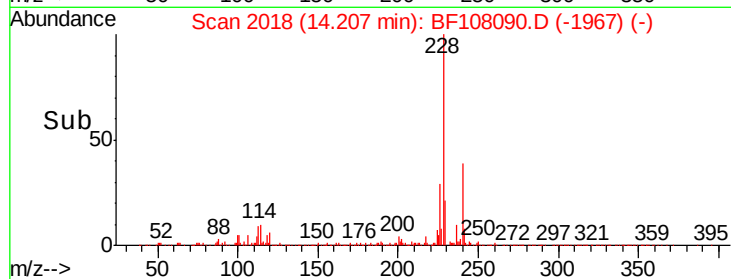
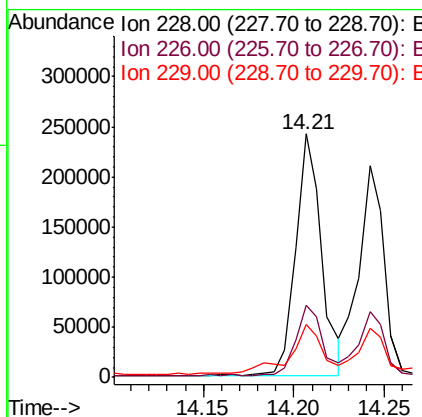
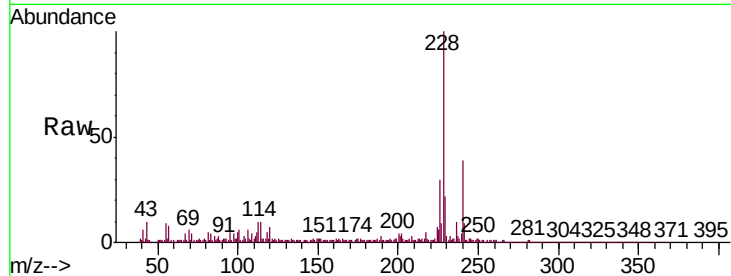
#80
Benzo(a)anthracene
Concen: 6.380 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.9	15.8	23.6

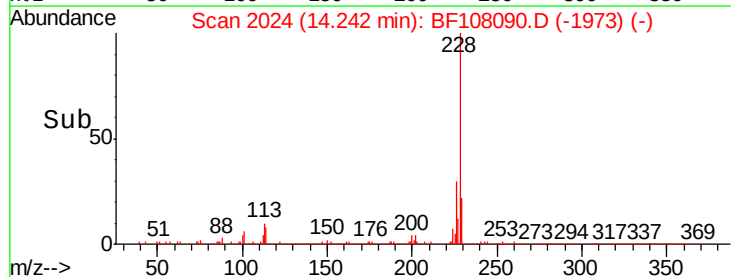
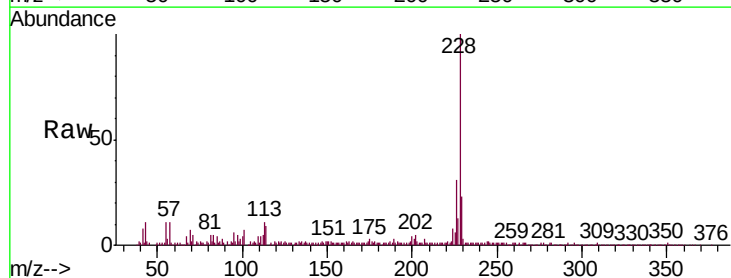
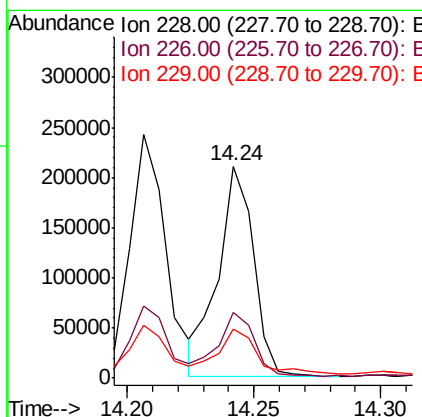
Manual Integrations
APPROVED

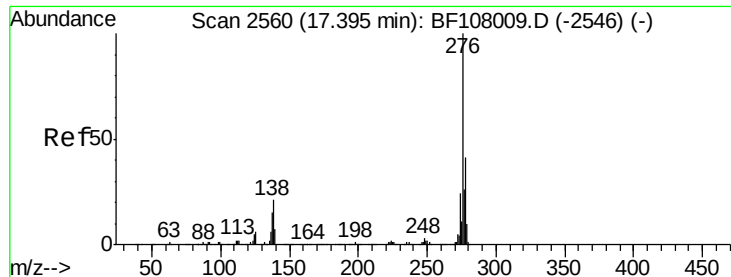
Sohil
8/13/2018 3:52:05 PM



#82
Chrysene
Concen: 5.836 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.1	16.2	24.4





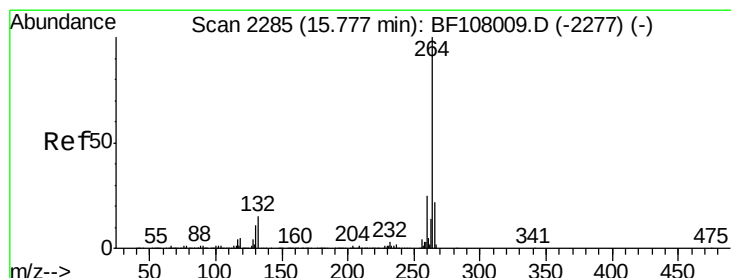
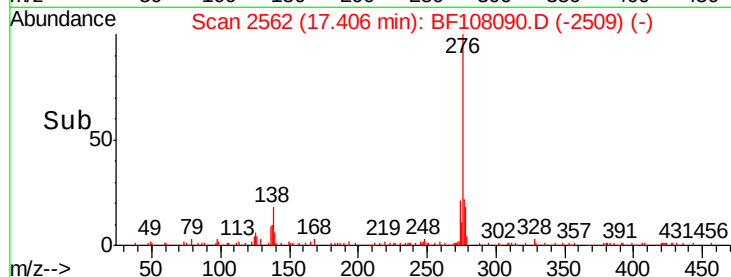
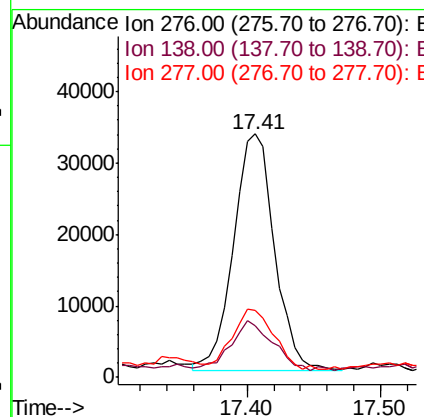
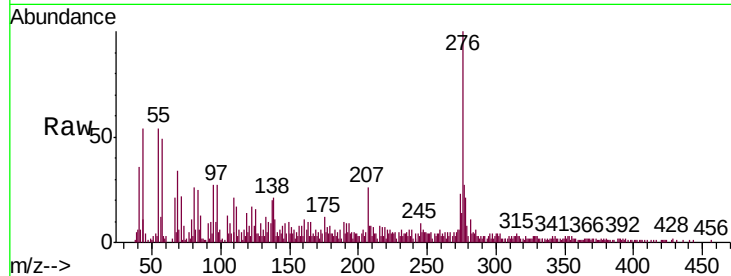
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.312 ng
 RT: 17.41 min Scan# 2562
 Delta R.T. 0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.0	37.6#
277	25.6	20.1	30.1

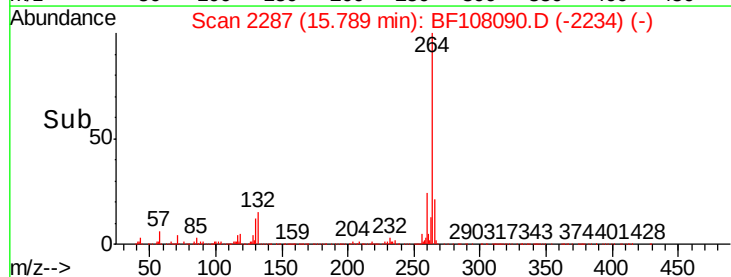
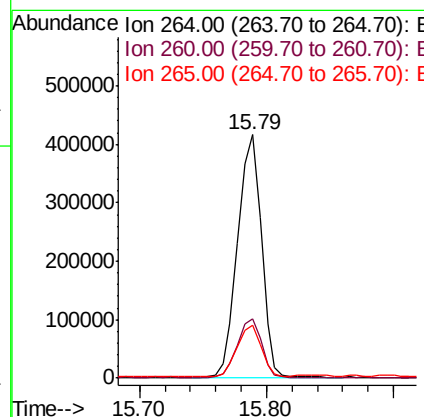
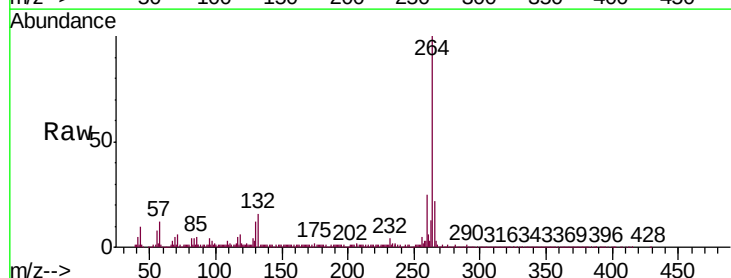
Manual Integrations
 APPROVED

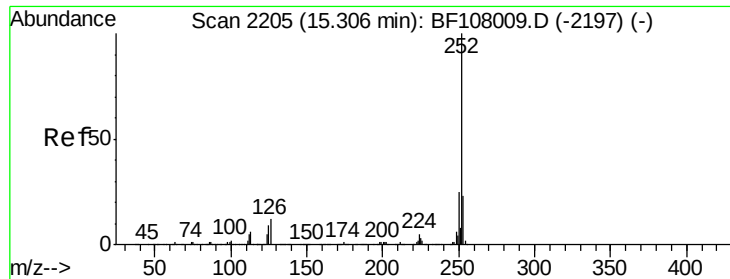
Sohil
 8/13/2018 3:52:05 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF108090.D
 Acq: 10 Aug 2018 18:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.971 ng m

RT: 15.31 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

Instrument :

BNA_F

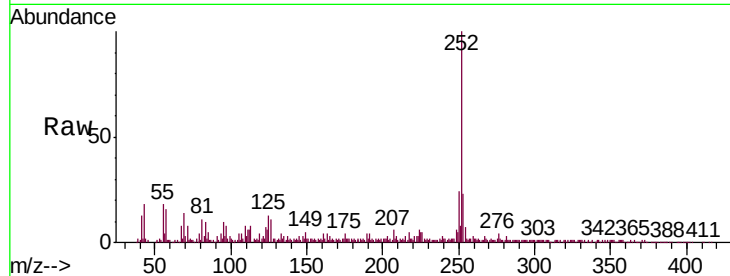
ClientSampleId :

JC-03-080918-A

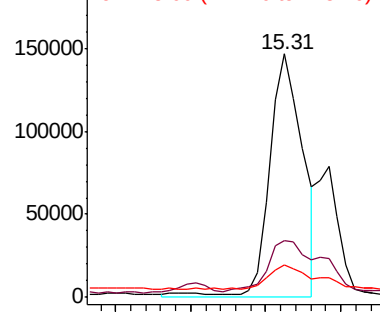
Tgt Ion:	252	Resp:	224768
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	13.1	9.0	13.6

Manual Integrations
APPROVED

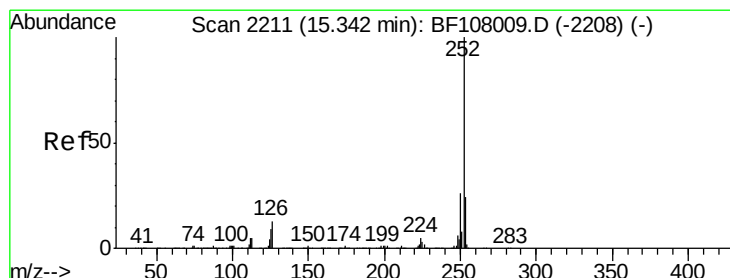
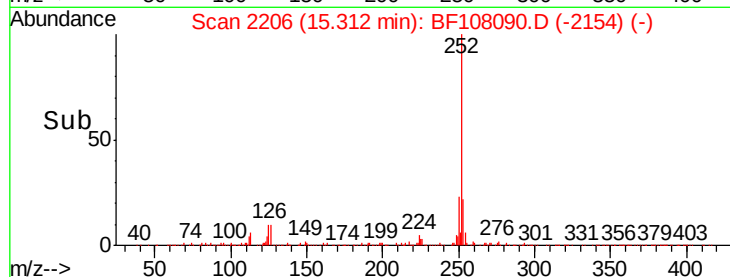
Sohil
8/13/2018 3:52:05 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 2.740 ng m

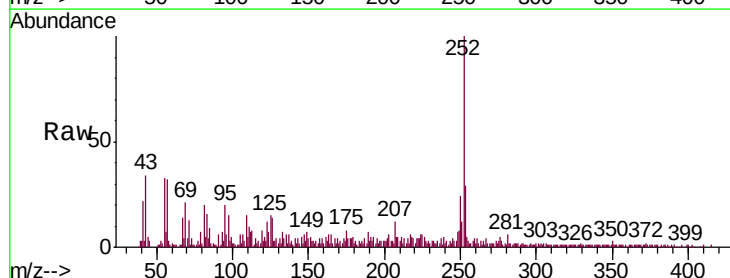
RT: 15.34 min Scan# 2211

Delta R.T. 0.00 min

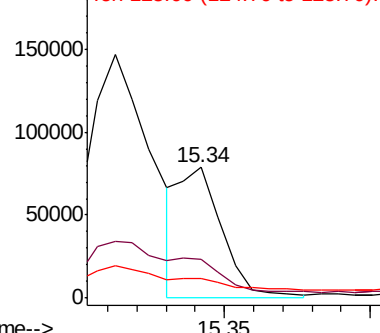
Lab File: BF108090.D

Acq: 10 Aug 2018 18:05

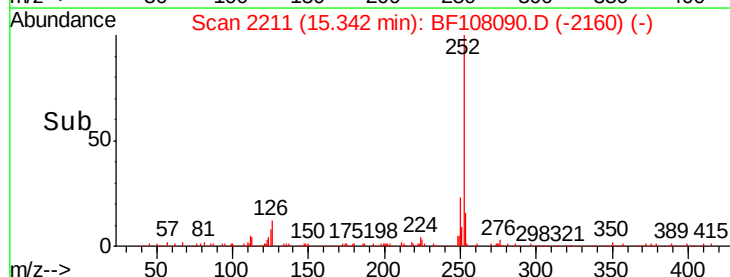
Tgt Ion:	252	Resp:	81224
Ion Ratio	Lower	Upper	
252	100		
253	29.5	17.9	26.9#
125	14.7	10.2	15.2

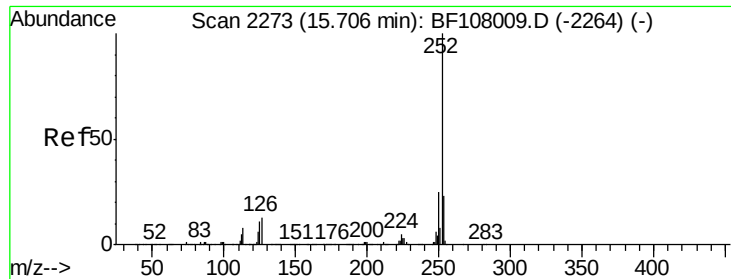


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





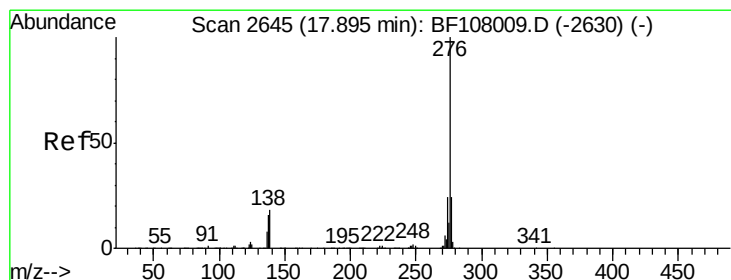
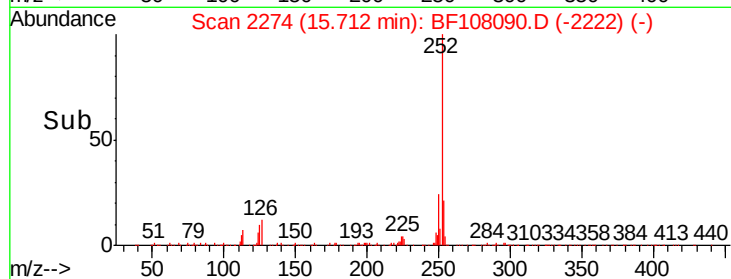
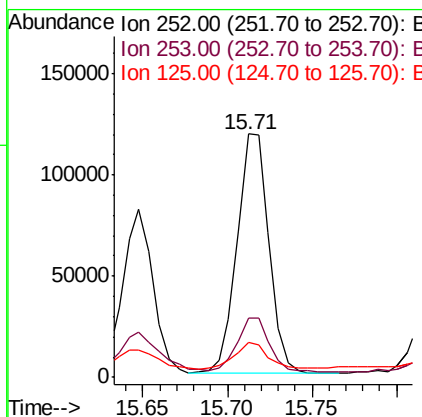
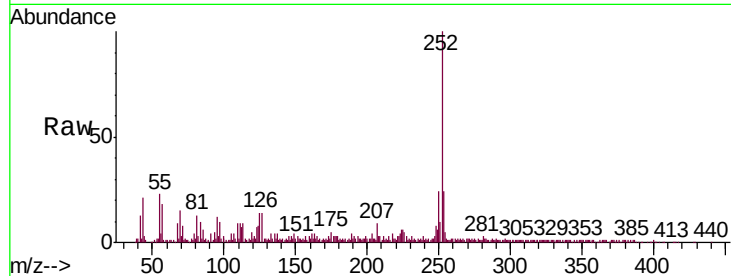
#89
Benzo(a)pyrene
Concen: 5.405 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	156057		
253	24.3	17.1	25.7	
125	14.3	9.8	14.6	

Manual Integrations
APPROVED

Sohil
8/13/2018 3:52:05 PM



#91
Benzo(g,h,i)perylene
Concen: 2.875 ng
RT: 17.90 min Scan# 2646
Delta R.T. 0.01 min
Lab File: BF108090.D
Acq: 10 Aug 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	67639		
277	26.8	17.9	26.9	
138	23.9	21.8	32.8	

