

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108119.D
 Acq On : 13 Aug 2018 16:38
 Operator : JU/SJ
 Sample : J4272-17RE 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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 8/14/2018 2:36:39 PM

Quant Time: Aug 13 17:48:15 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	183054	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	623259	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	257446	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	495350	20.00	ng	0.01
75) Chrysene-d12	14.24	240	481030	20.00	ng	0.02
86) Perylene-d12	15.81	264	318245	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	249993	24.72	ng	0.00
7) Phenol-d6	6.63	99	329121	24.50	ng	0.00
23) Nitrobenzene-d5	7.58	82	186235	16.67	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	55541	21.63	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	315202	19.66	ng	0.00
78) Terphenyl-d14	13.16	244	353297	18.67	ng	0.01
Target Compounds						Qvalue
70) Phenanthrene	11.59	178	265429	11.361	ng	99
71) Anthracene	11.65	178	99881	4.171	ng	99
72) Carbazole	11.80	167	45133	2.121	ng	96
74) Fluoranthene	12.79	202	919086	36.044	ng	97
77) Pyrene	13.03	202	792263	26.015	ng	99
80) Benzo(a)anthracene	14.22	228	489553	17.733	ng	98
82) Chrysene	14.26	228	366896	14.497	ng	96
85) Indeno(1,2,3-cd)pyrene	17.45	276	126264	5.758	ng	# 87
87) Benzo(b)fluoranthene	15.34	252	402593m	21.171	ng	
88) Benzo(k)fluoranthene	15.37	252	106554m	6.096	ng	
89) Benzo(a)pyrene	15.74	252	245302	14.405	ng	95
90) Dibenzo(a,h)anthracene	17.46	278	34092m	2.420	ng	
91) Benzo(g,h,i)perylene	17.95	276	112598	8.116	ng	# 89

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

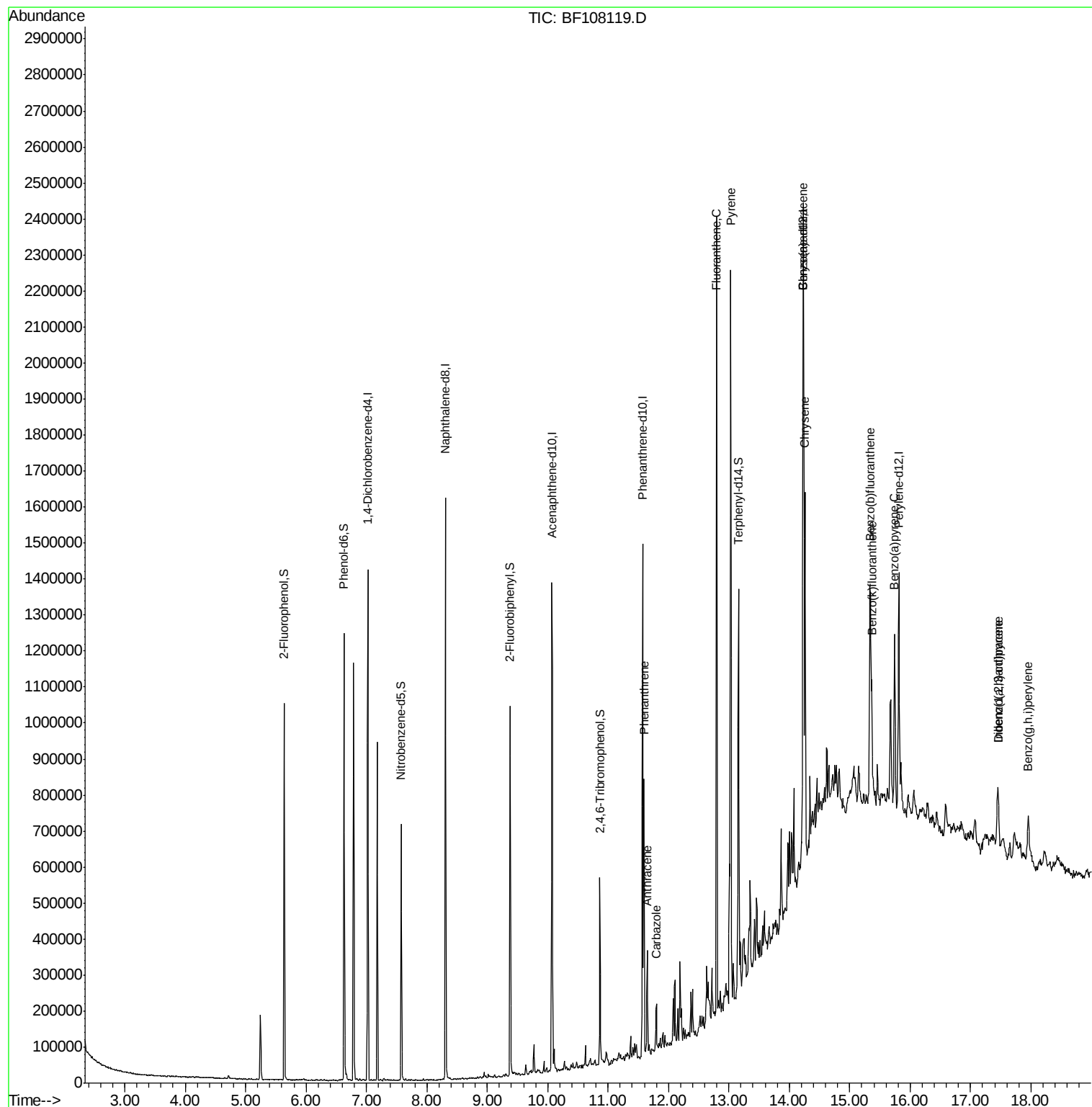
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108119.D
Acq On : 13 Aug 2018 16:38
Operator : JU/SJ
Sample : J4272-17RE 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

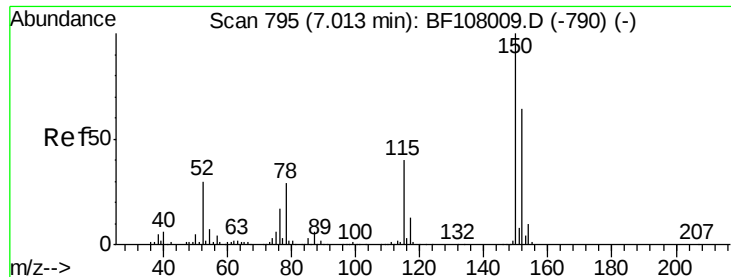
Instrument :
BNA_F
ClientSampleID :
JC-03-080918-IRE

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#1

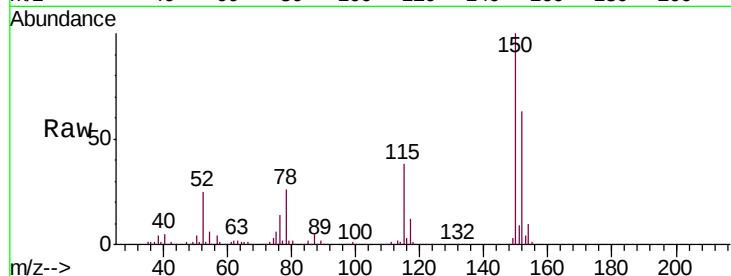
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	183054		
150	158.4	124.6	186.8	
115	59.5	50.1	75.1	

Manual Integrations
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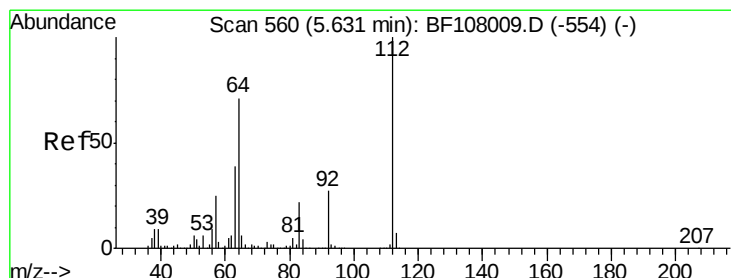
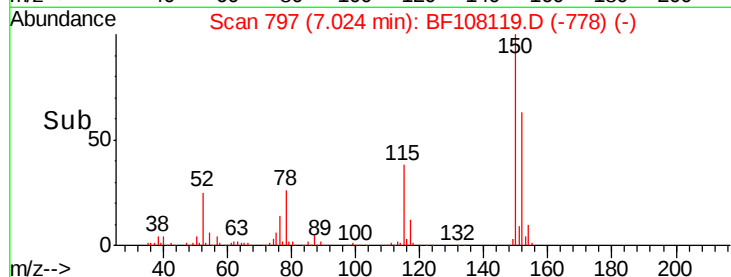
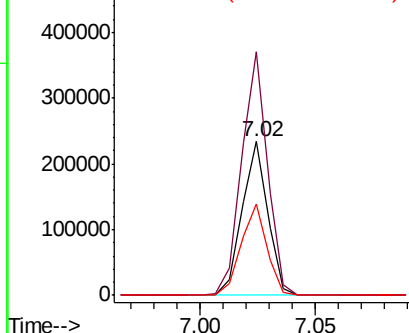


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

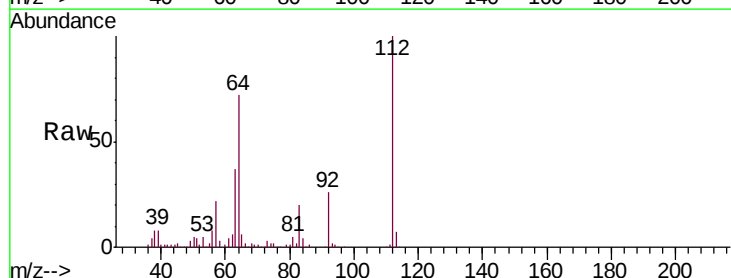
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.725 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	249993		
64	71.6	47.9	71.9	
63	36.8	23.7	35.5	

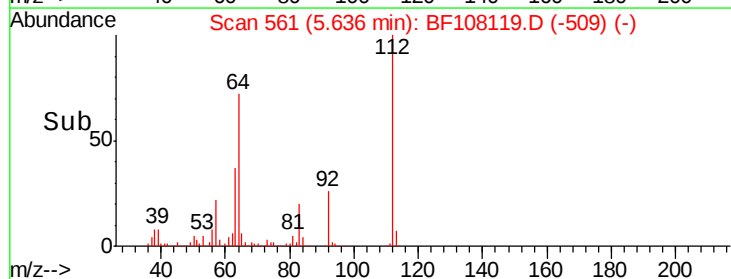
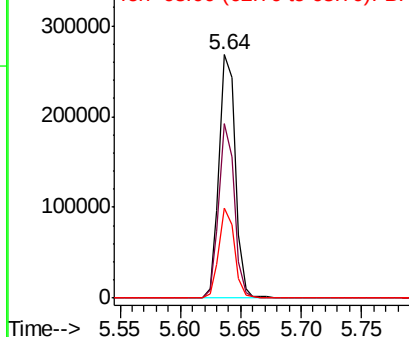


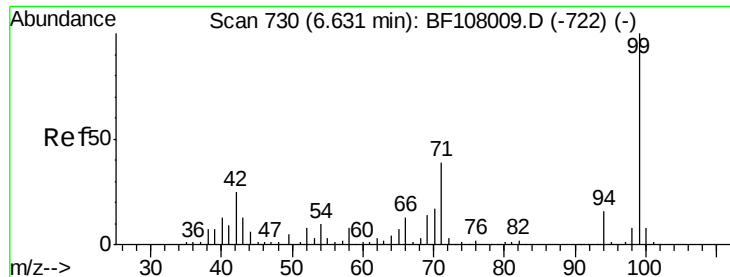
Abundance

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: 24.495 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-IRE

Tgt Ion: 99 Resp: 329121

Ion Ratio Lower Upper

99 100

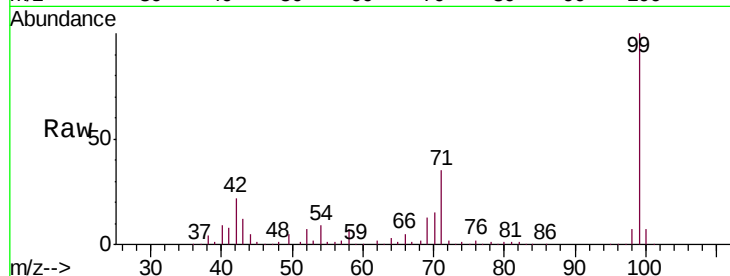
42 22.2 14.5 21.7#

71 34.6 25.4 38.0

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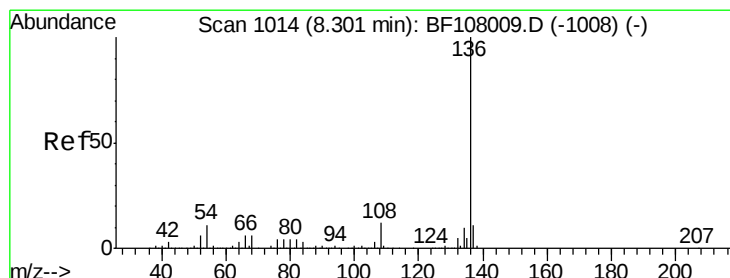
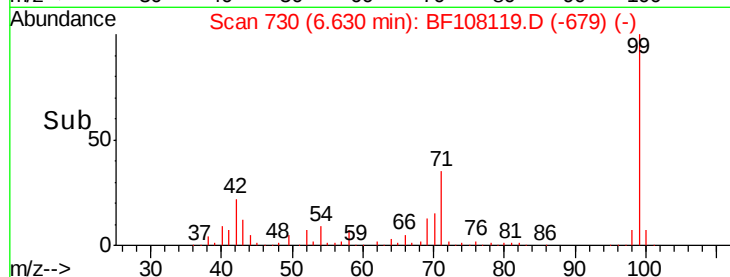
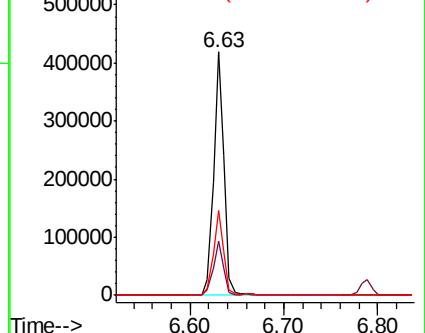
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Tgt Ion: 136 Resp: 623259

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.8 6.6 9.8#

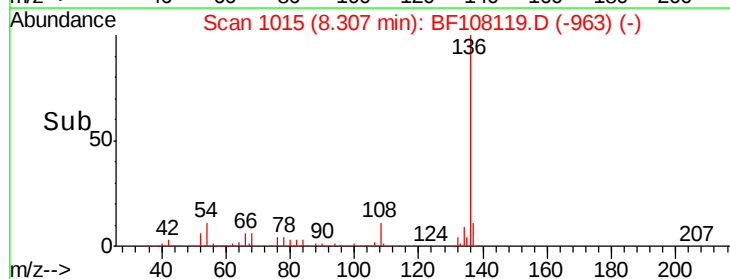
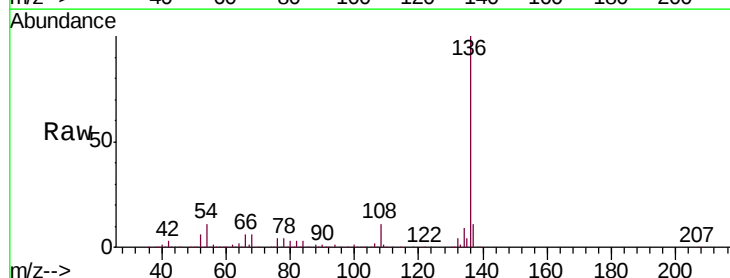
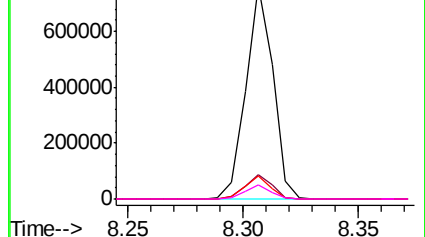
68 6.4 5.0 7.4

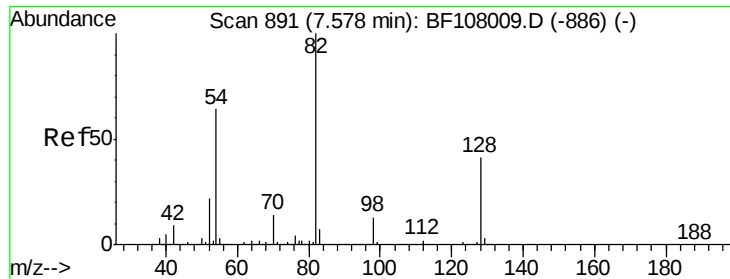
Abundance Ion 136.00 (135.70 to 136.70): E

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





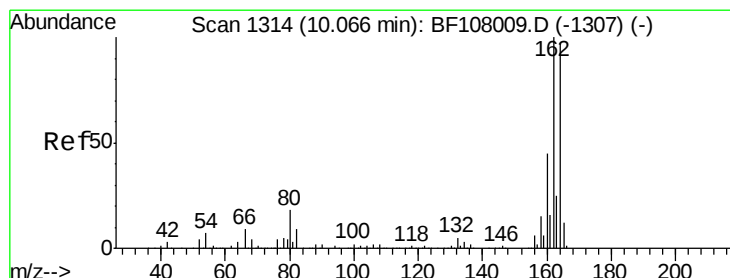
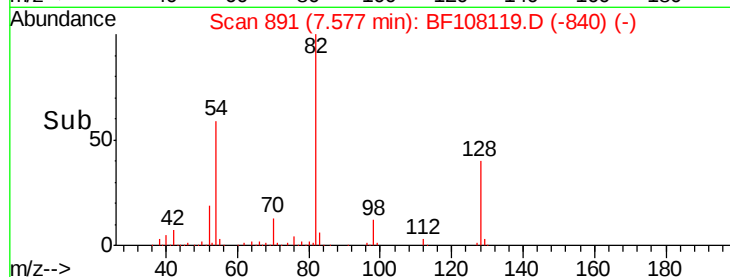
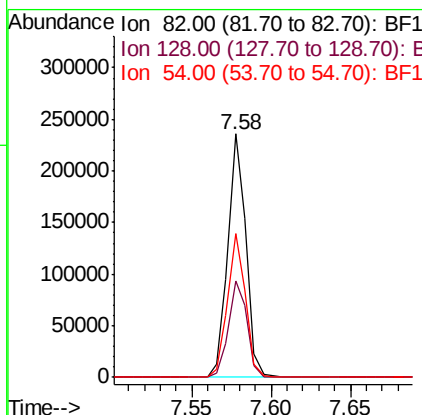
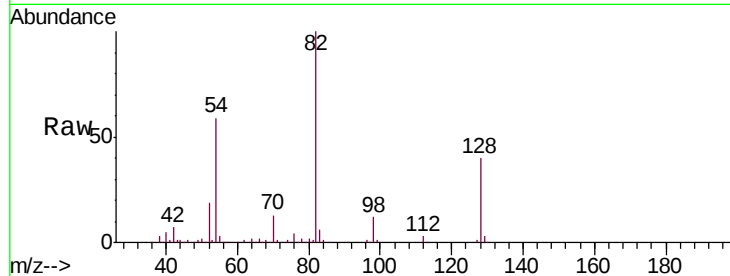
#23
 Nitrobenzene-d5
 Concen: 16.674 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108119.D
 Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	186235		
128	39.8	36.1	54.1	
54	59.2	41.4	62.2	

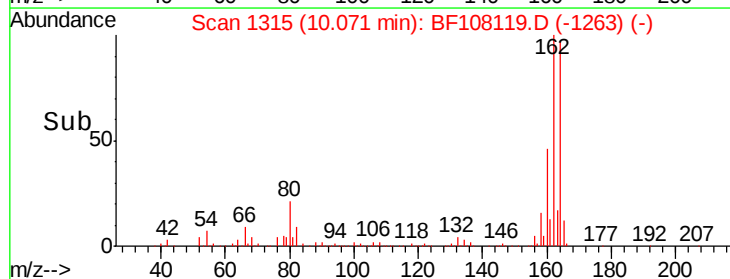
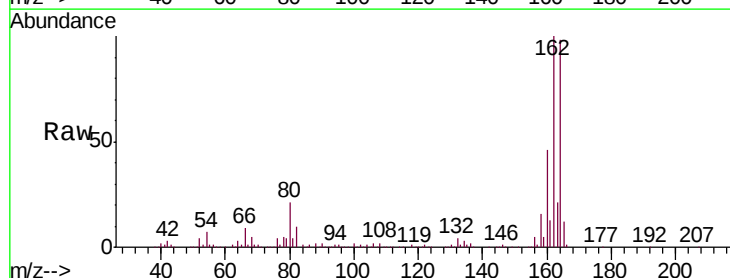
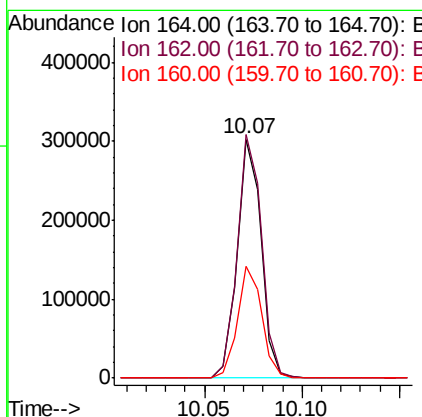
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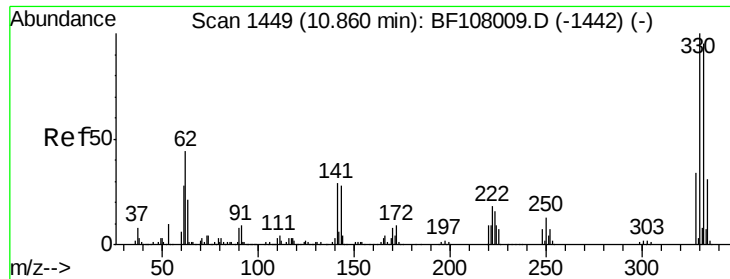
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF108119.D
 Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	257446		
162	102.1	86.1	129.1	
160	47.0	38.3	57.5	





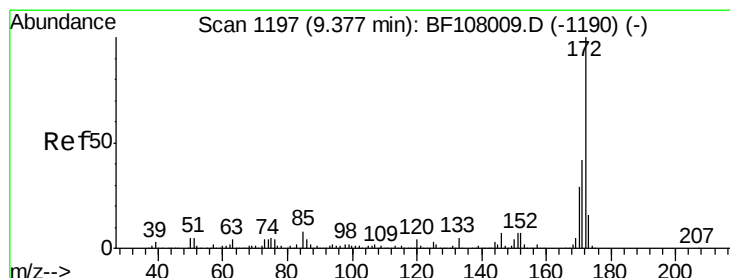
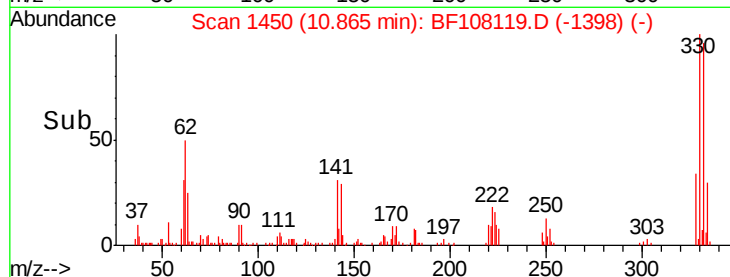
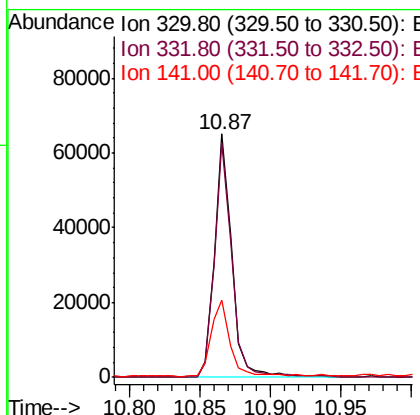
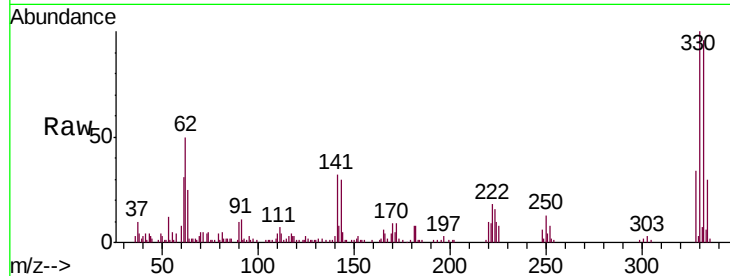
#41
 2,4,6-Tribromophenol
 Concen: 21.628 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108119.D
 Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	35.0	29.9	44.9

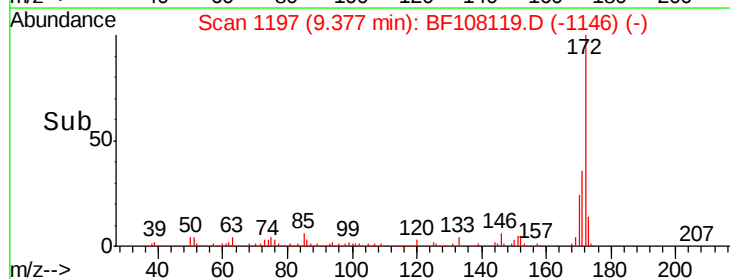
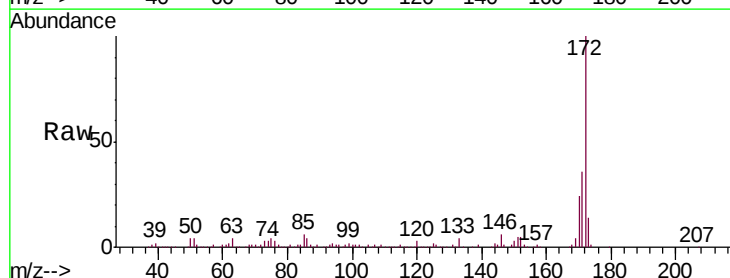
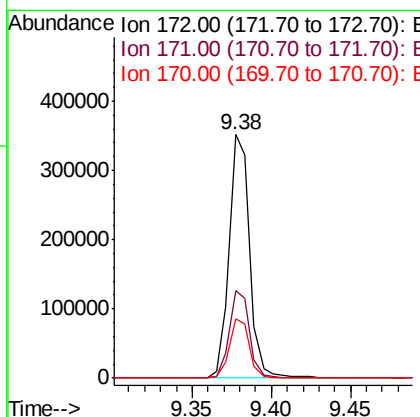
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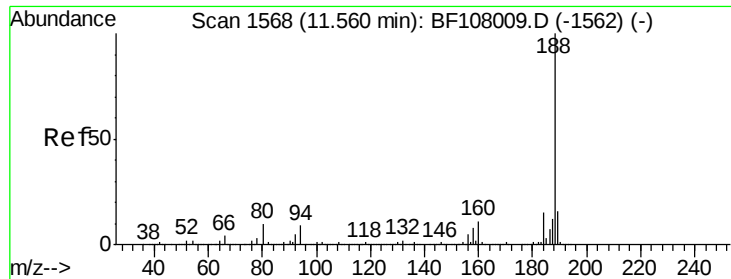
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#44
 2-Fluorobiphenyl
 Concen: 19.656 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108119.D
 Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4





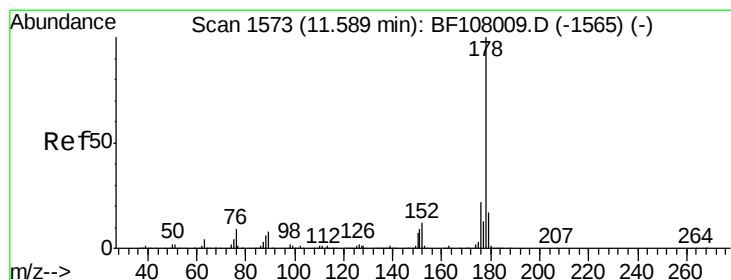
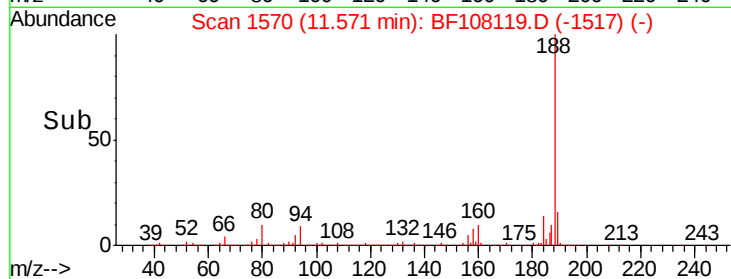
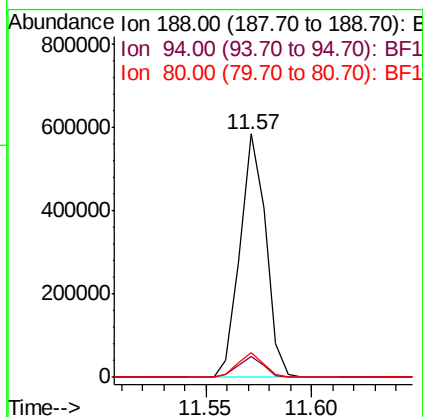
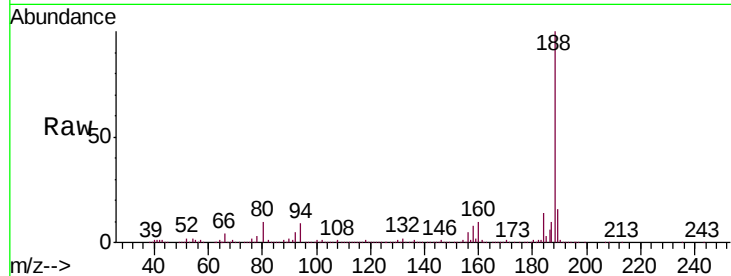
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.5	12.7
80	10.0	9.2	13.8

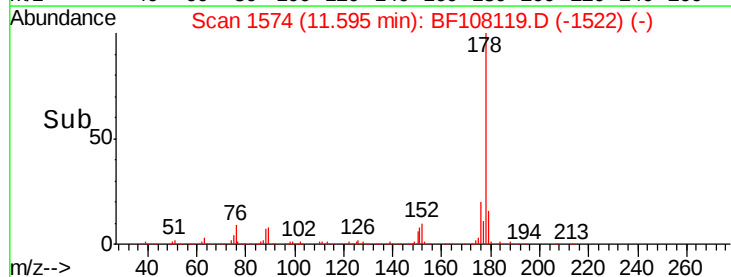
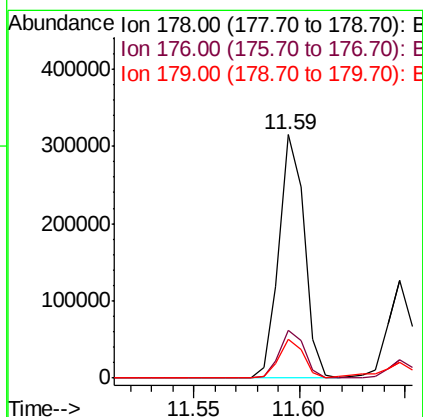
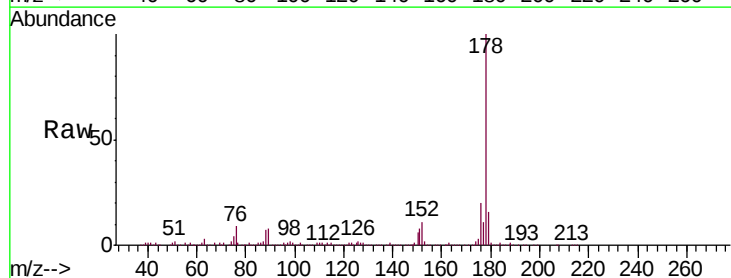
Manual Integrations
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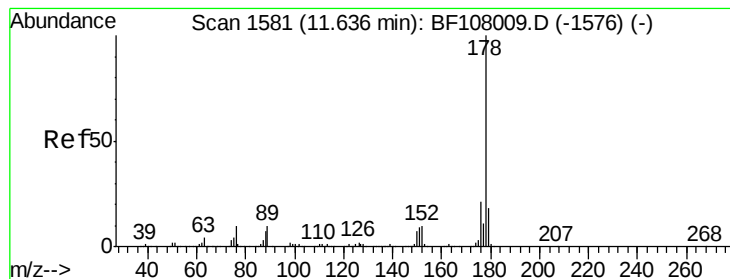
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#70
Phenanthrene
Concen: 11.361 ng
RT: 11.59 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.9	13.0	19.6





#71

Anthracene

Concen: 4.171 ng

RT: 11.65 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF108119.D

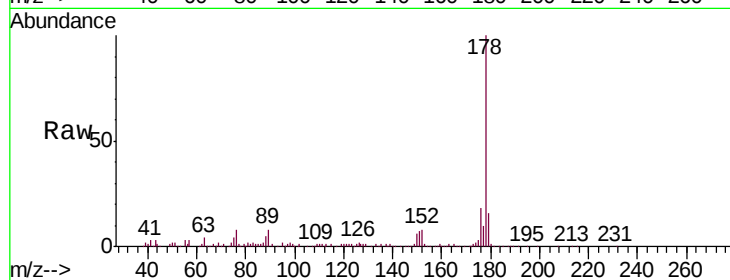
Acq: 13 Aug 2018 16:38

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-IRE



Tgt Ion:178 Resp: 99881

Ion Ratio Lower Upper

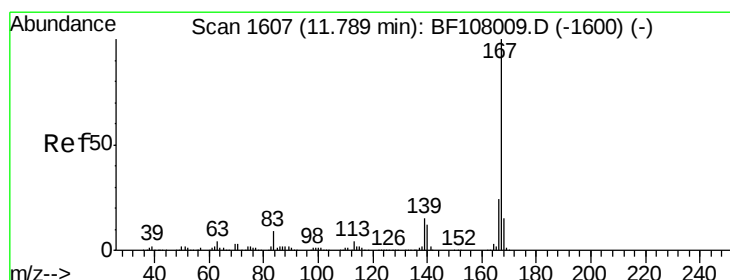
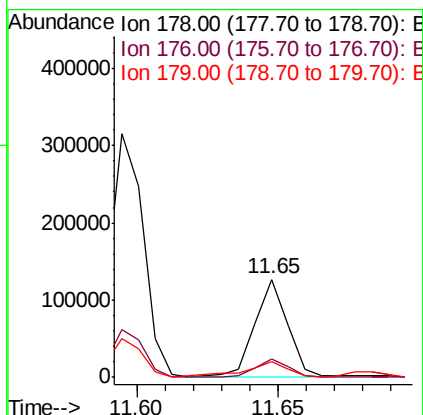
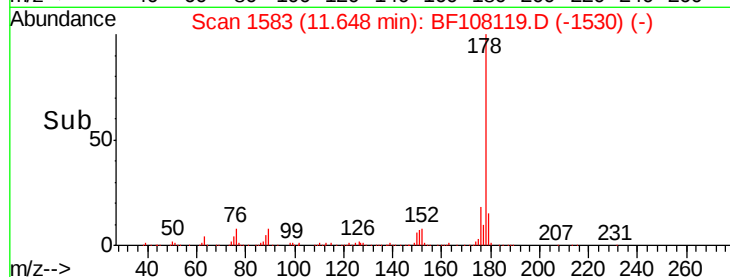
178 100

176 18.3 15.4 23.2

179 15.6 12.6 19.0

Manual Integrations
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#72

Carbazole

Concen: 2.121 ng

RT: 11.80 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

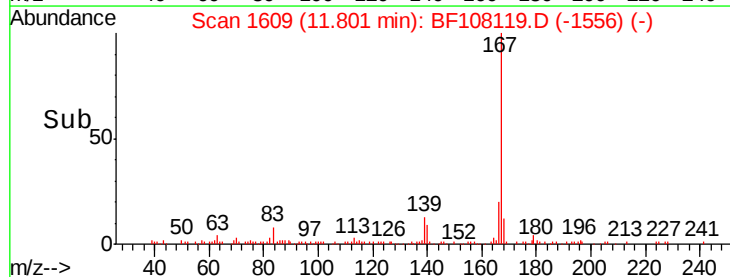
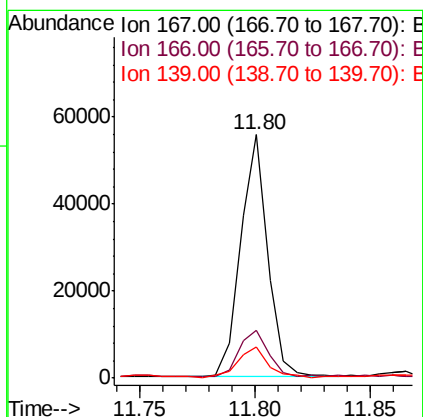
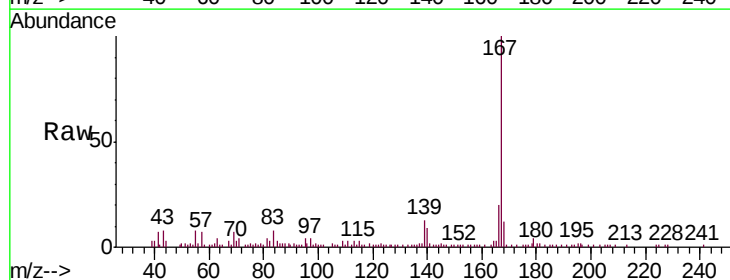
Tgt Ion:167 Resp: 45133

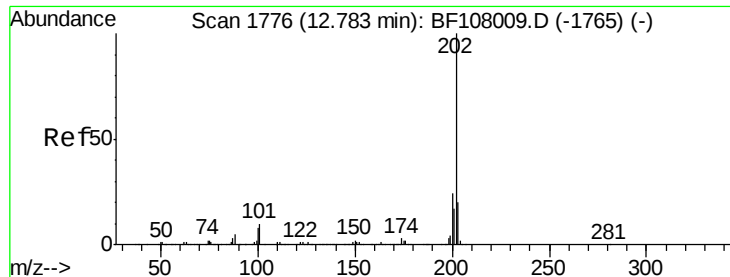
Ion Ratio Lower Upper

167 100

166 19.6 17.6 26.4

139 12.7 10.9 16.3





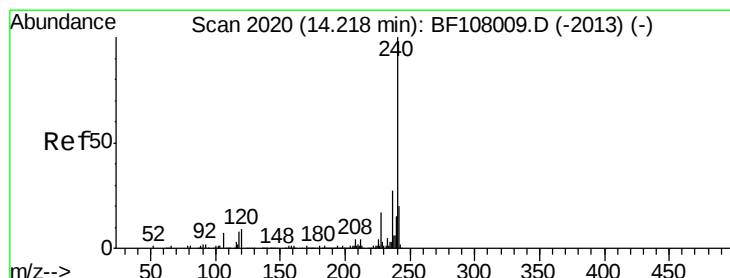
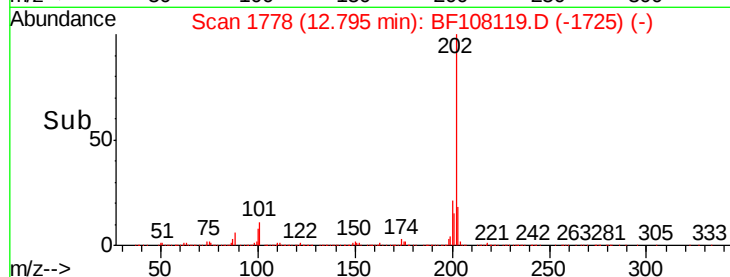
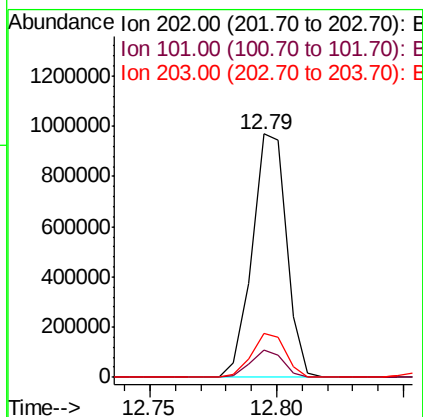
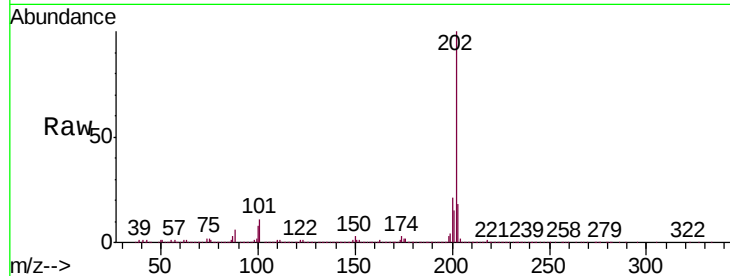
#74
Fluoranthene
Concen: 36.044 ng
RT: 12.79 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	919086		
101	11.0	0.0	34.1	
203	18.1	0.0	38.1	

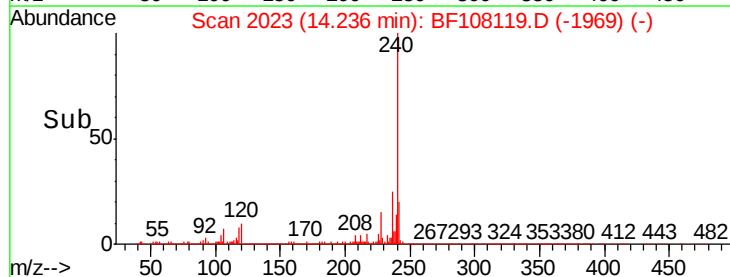
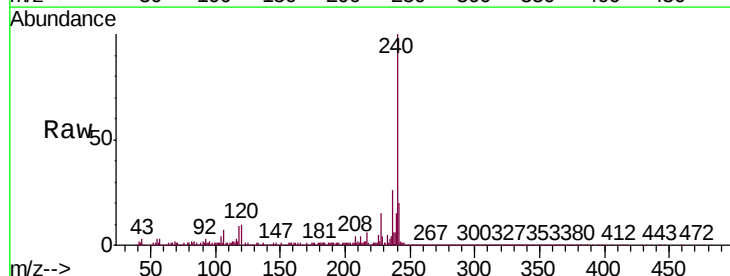
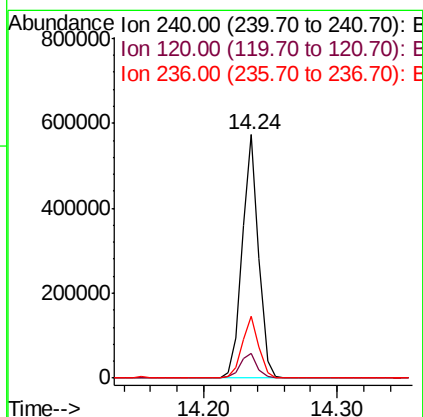
Manual Integrations
APPROVED

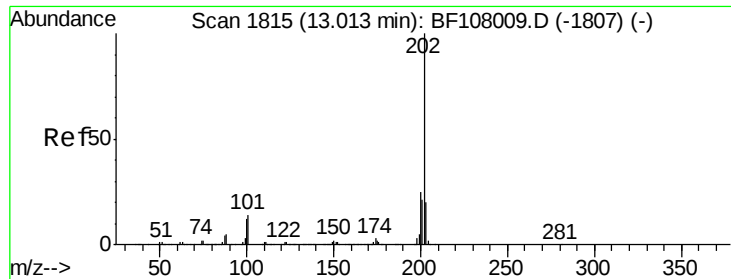
Sohil
8/14/2018 2:36:39 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.24 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	481030		
120	9.9	9.5	14.3	
236	25.6	20.7	31.1	





#77

Pyrene

Concen: 26.015 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA_F

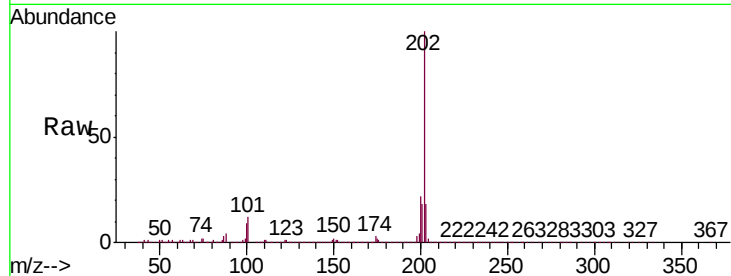
ClientSampleId :

JC-03-080918-IRE

Tgt Ion:	202	Resp:	792263
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.2	14.3	21.5

Manual Integrations
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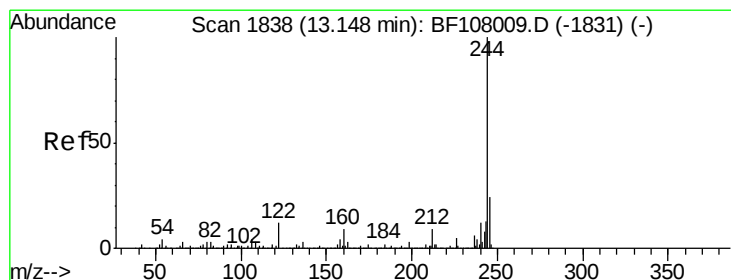
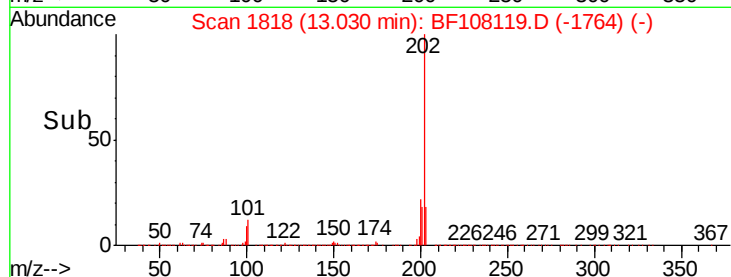
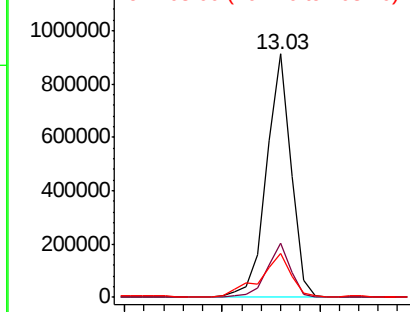


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 18.674 ng

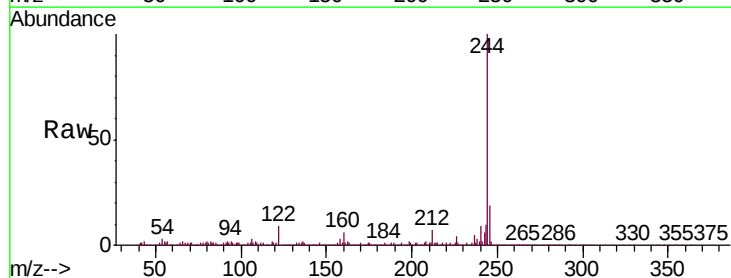
RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Tgt Ion:	244	Resp:	353297
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	9.3	11.0	16.4#

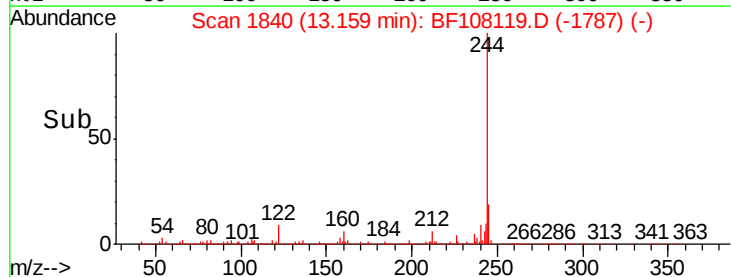
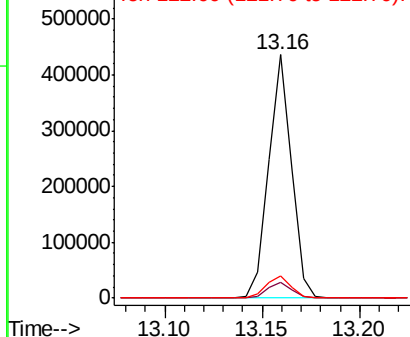


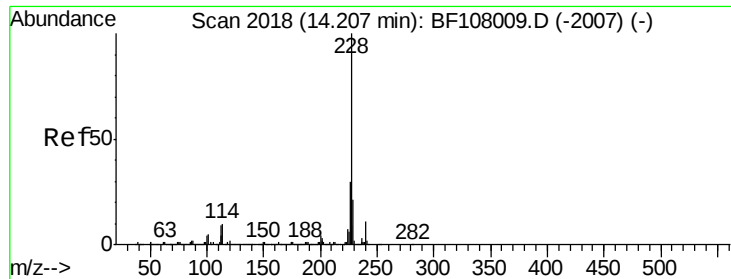
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





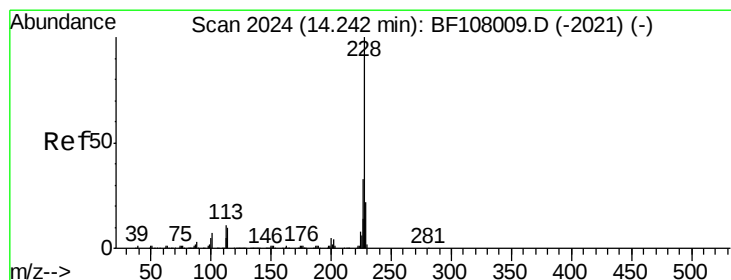
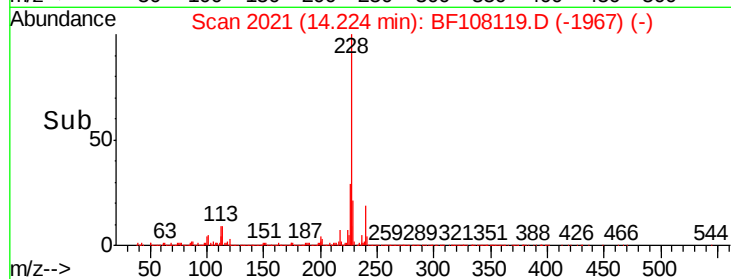
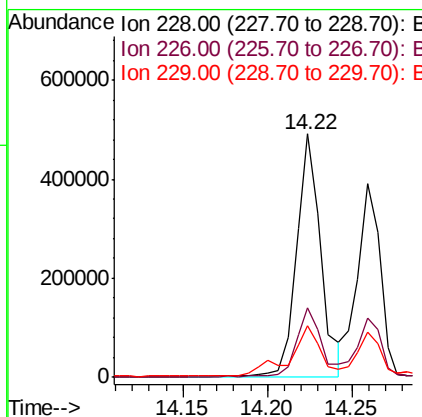
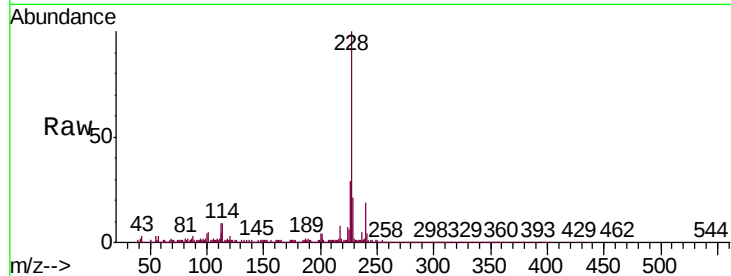
#80
Benzo(a)anthracene
Concen: 17.733 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.2	15.8	23.6

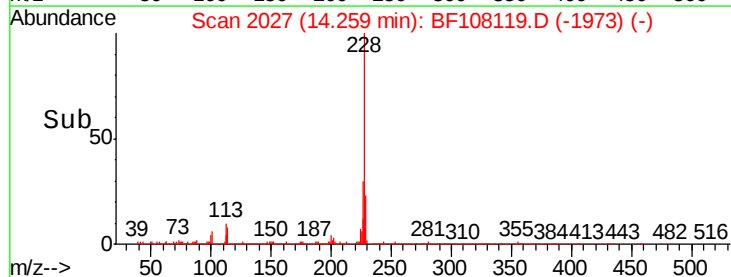
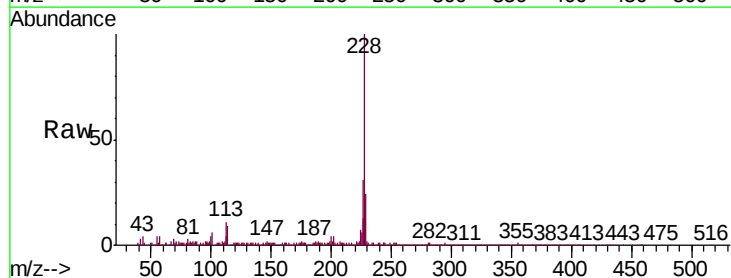
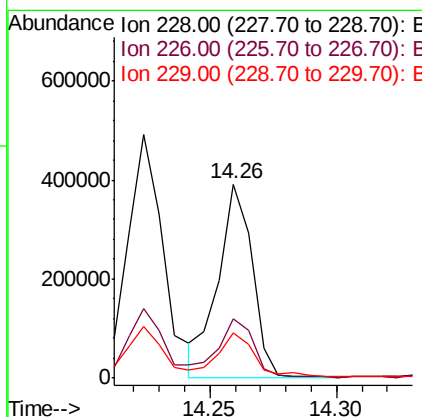
Manual Integrations
APPROVED

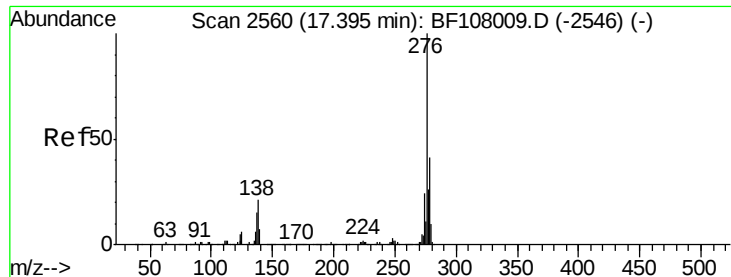
Sohil
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#82
Chrysene
Concen: 14.497 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.6	16.2	24.4





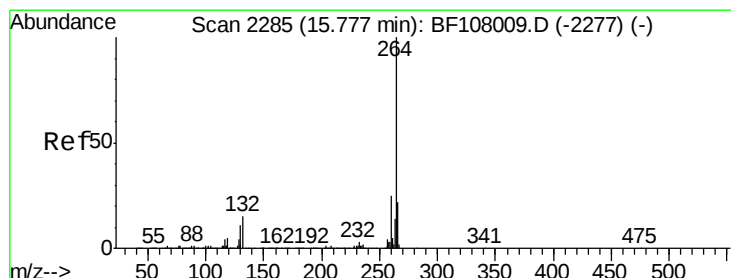
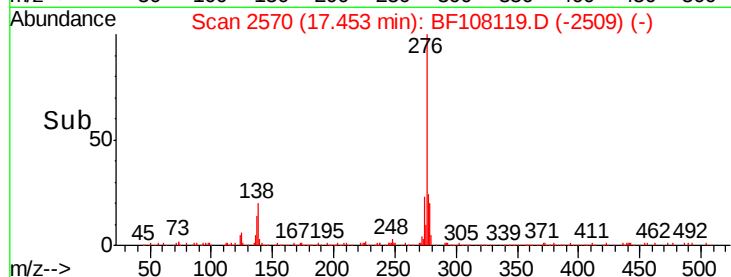
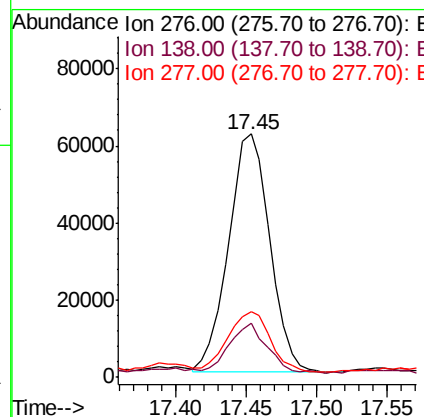
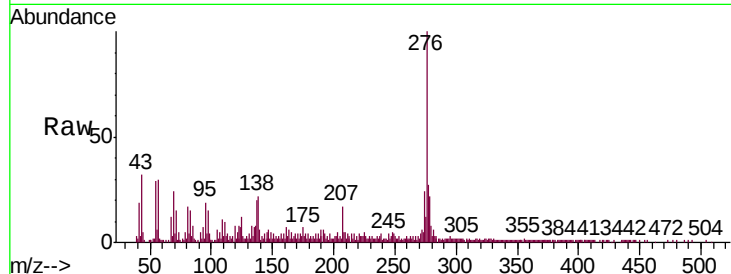
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.758 ng
RT: 17.45 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	26.1	20.1	30.1

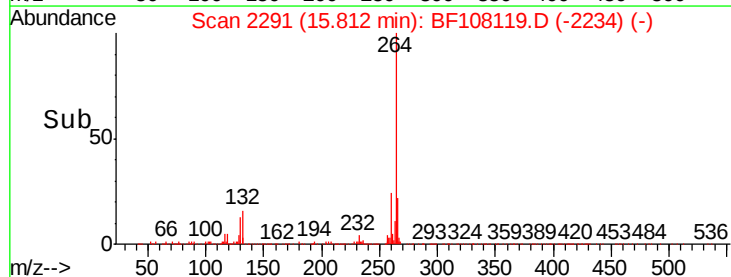
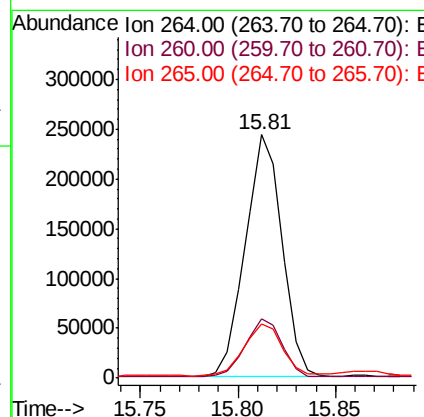
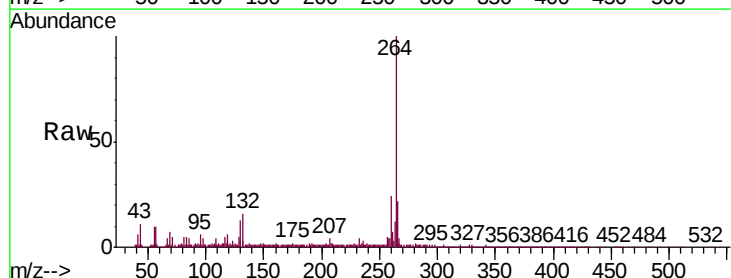
Manual Integrations
APPROVED

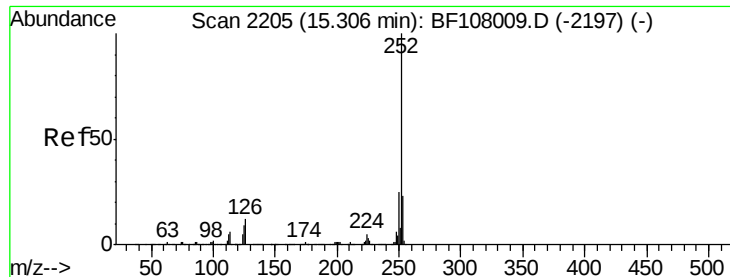
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	17.5	26.3





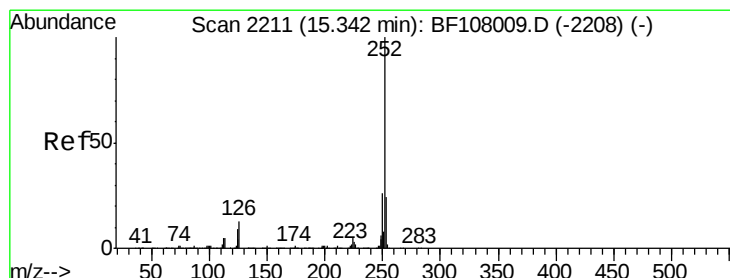
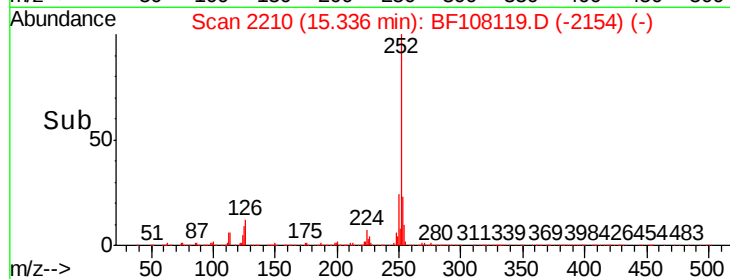
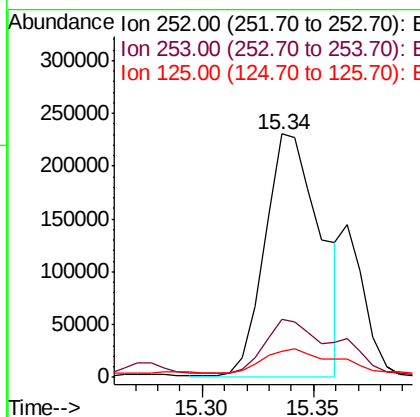
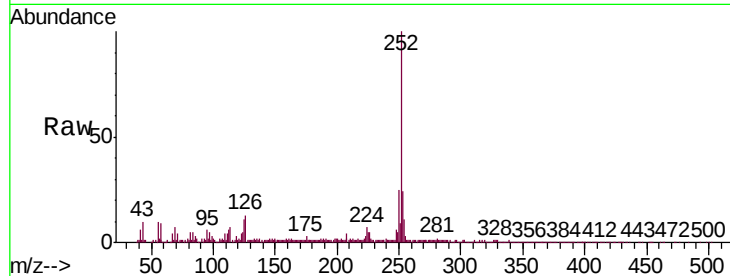
#87
Benzo(b)fluoranthene
Concen: 21.171 ng m
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	10.7	9.0	13.6

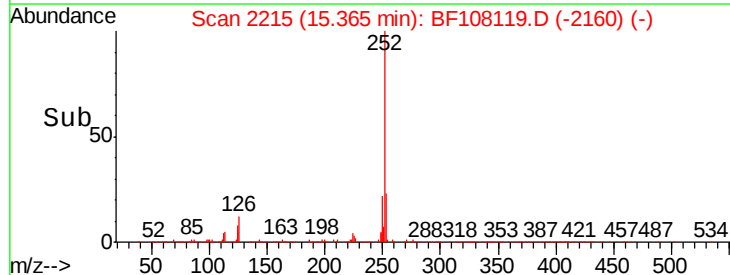
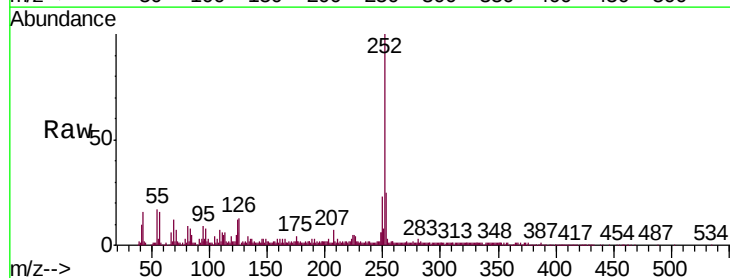
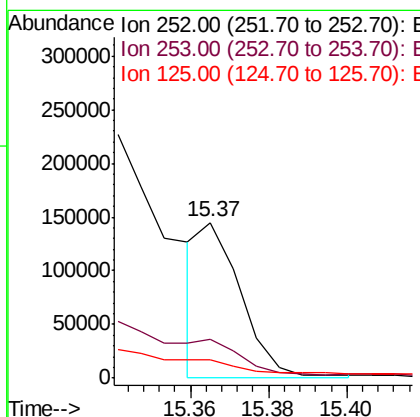
Manual Integrations
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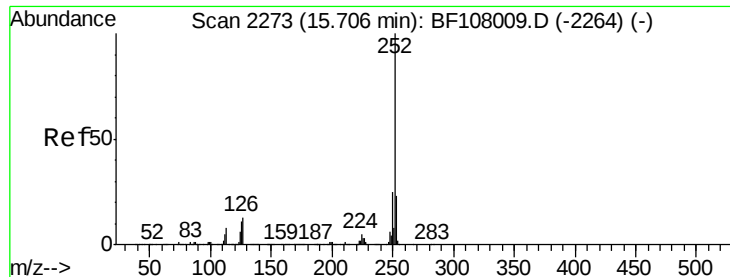
Sohil
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#88
Benzo(k)fluoranthene
Concen: 6.096 ng m
RT: 15.37 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF108119.D
Acq: 13 Aug 2018 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	11.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 14.405 ng

RT: 15.74 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Instrument :

BNA_F

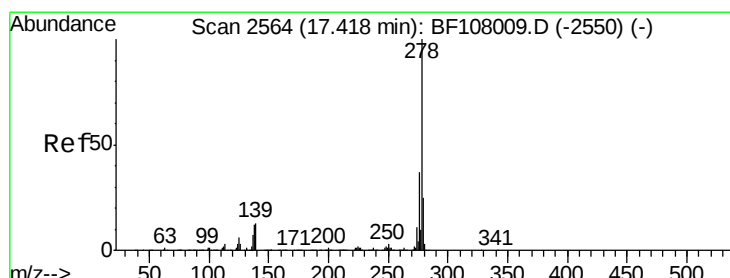
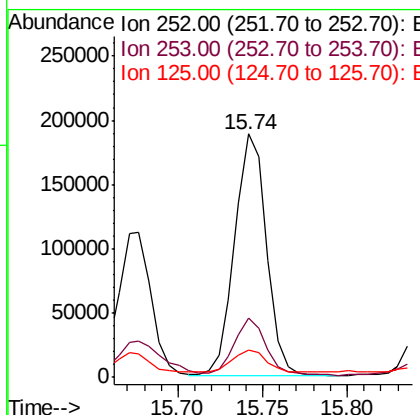
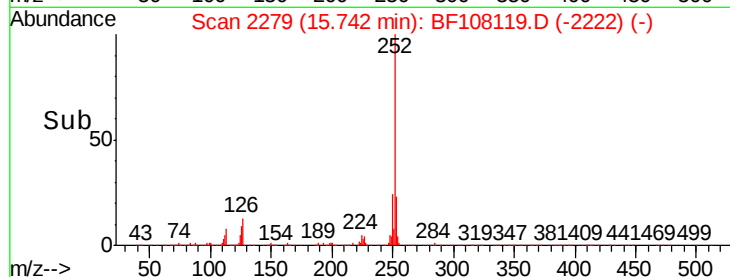
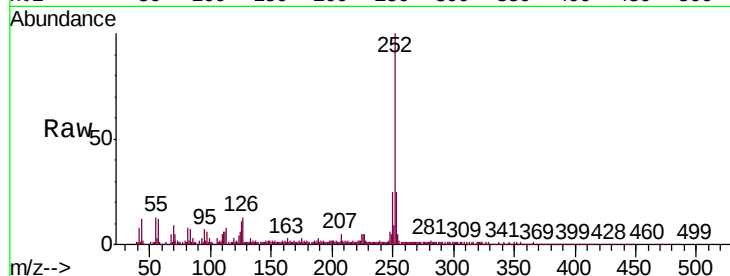
ClientSampleId :

JC-03-080918-IRE

Tgt Ion:	252	Resp:	245302
Ion Ratio		Lower	Upper
252	100		
253	24.5	17.1	25.7
125	11.4	9.8	14.6

Manual Integrations
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8/14/2018 2:36:39 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.420 ng m

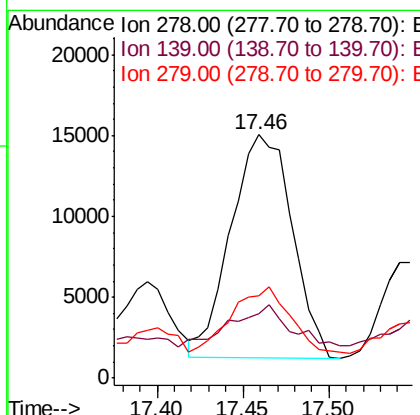
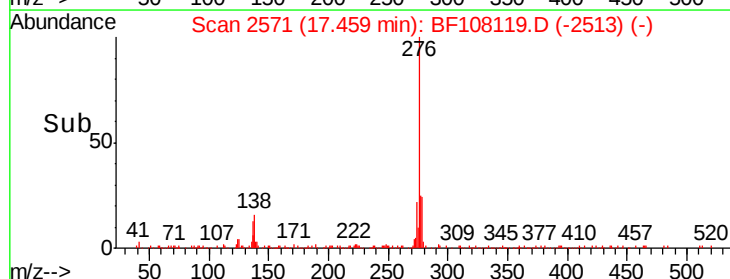
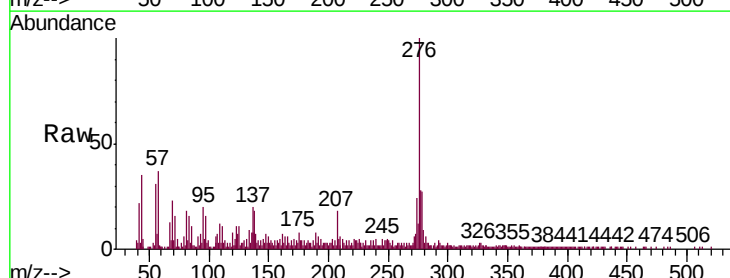
RT: 17.46 min Scan# 2571

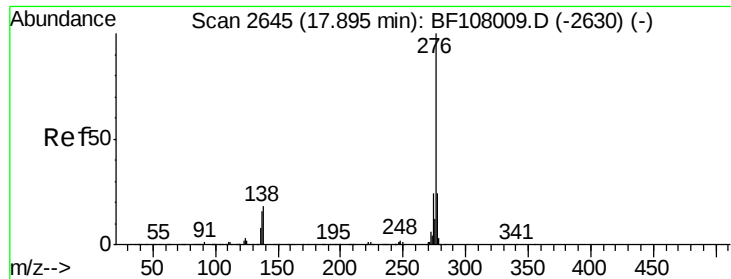
Delta R.T. 0.04 min

Lab File: BF108119.D

Acq: 13 Aug 2018 16:38

Tgt Ion:	278	Resp:	34092
Ion Ratio		Lower	Upper
278	100		
139	26.4	15.9	23.9#
279	33.8	19.0	28.4#





#91
 Benzo(g,h,i)perylene
 Concen: 8.116 ng
 RT: 17.95 min Scan# 2655
 Delta R.T. 0.06 min
 Lab File: BF108119.D
 Acq: 13 Aug 2018 16:38

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	20.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/14/2018 2:36:39 PM

