

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108115.D
 Acq On : 13 Aug 2018 14:49
 Operator : JU/SJ
 Sample : J4272-15 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/14/2018 2:36:29 PM

Quant Time: Aug 13 17:19:15 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	283882	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	1027643	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	461204	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	755216	20.00	ng	0.01
75) Chrysene-d12	14.23	240	699946	20.00	ng	0.01
86) Perylene-d12	15.81	264	562406	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	763004	48.66	ng	0.01
7) Phenol-d6	6.64	99	1013452	48.64	ng	0.00
23) Nitrobenzene-d5	7.58	82	656164	35.63	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	200217	43.52	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1177322	40.98	ng	0.00
78) Terphenyl-d14	13.16	244	1034521	37.58	ng	0.01
Target Compounds						
49) Dimethylphthalate	9.77	163	112038	3.487	ng	Qvalue # 99
70) Phenanthrene	11.59	178	207736	5.832	ng	99
71) Anthracene	11.65	178	73911	2.024	ng	98
74) Fluoranthene	12.79	202	477214	12.275	ng	95
77) Pyrene	13.02	202	446755	10.082	ng	99
80) Benzo(a)anthracene	14.22	228	254678	6.340	ng	96
82) Chrysene	14.26	228	207823	5.643	ng	98
85) Indeno(1,2,3-cd)pyrene	17.45	276	72966	2.287	ng	# 90
87) Benzo(b)fluoranthene	15.34	252	252214m	7.505	ng	
88) Benzo(k)fluoranthene	15.36	252	84599m	2.739	ng	
89) Benzo(a)pyrene	15.74	252	167327	5.560	ng	94
91) Benzo(g,h,i)perylene	17.95	276	67956	2.772	ng	# 89

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

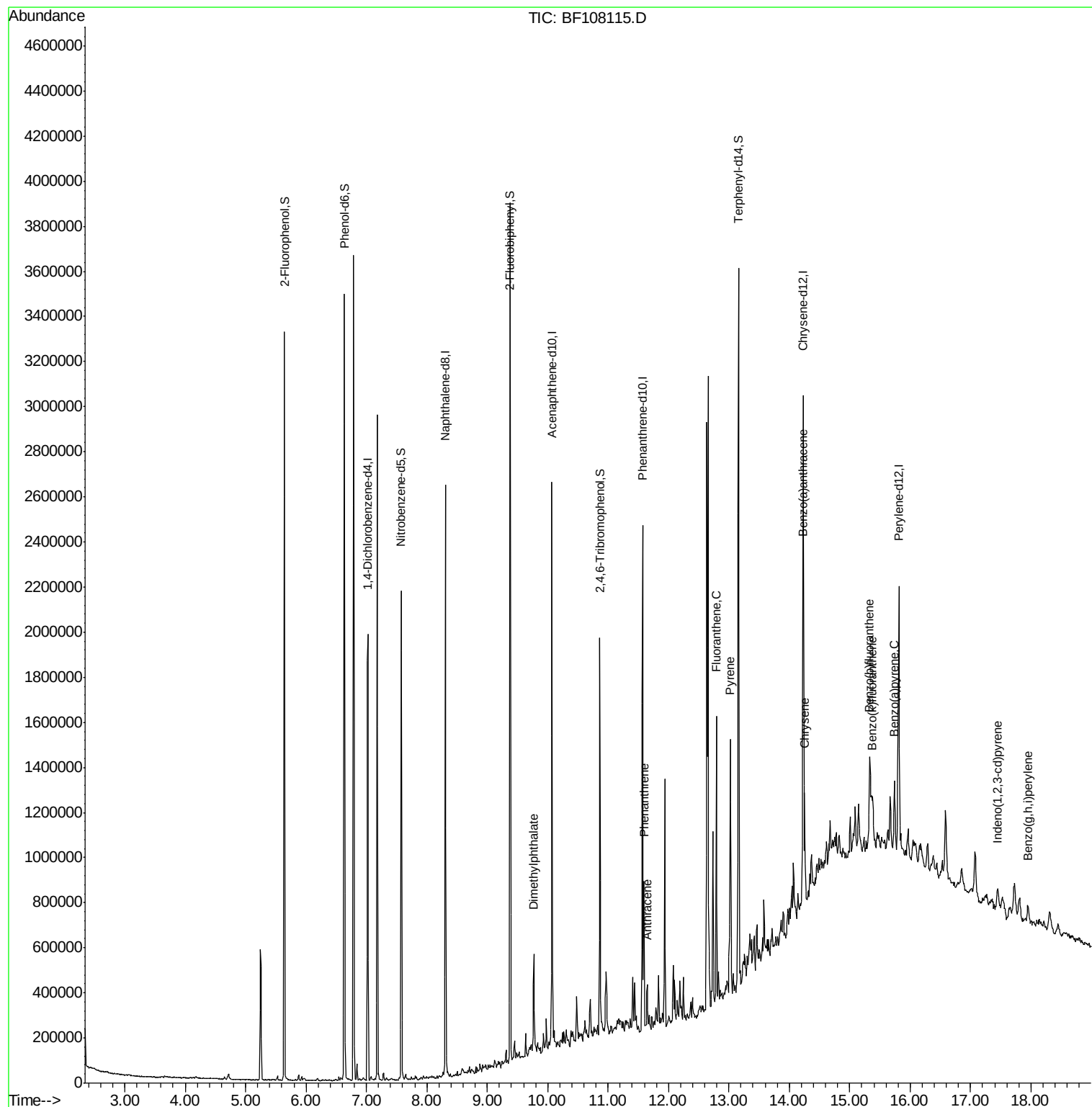
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

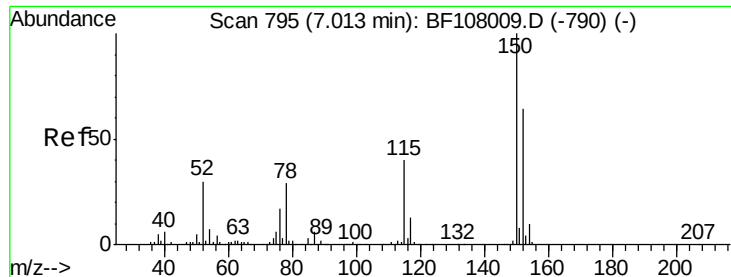
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-H

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#1

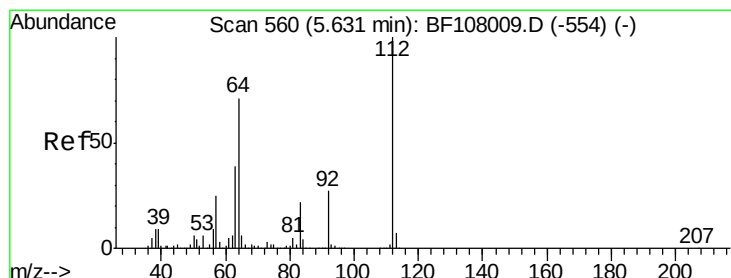
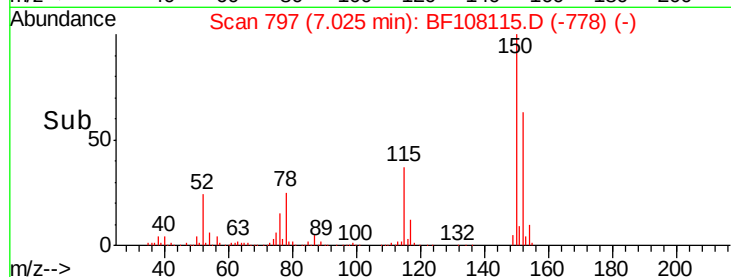
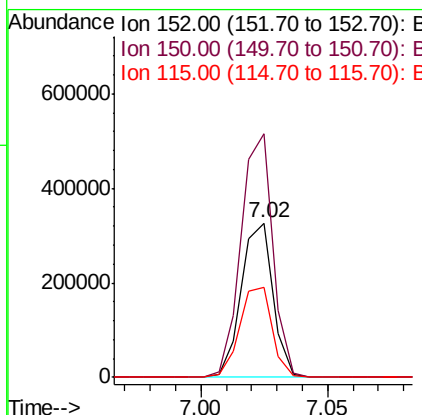
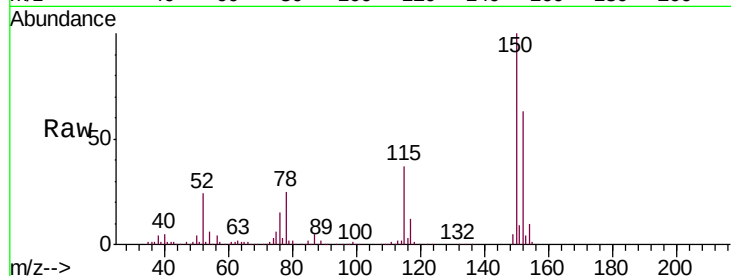
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	283882		
150	157.6	124.6	186.8	
115	58.4	50.1	75.1	

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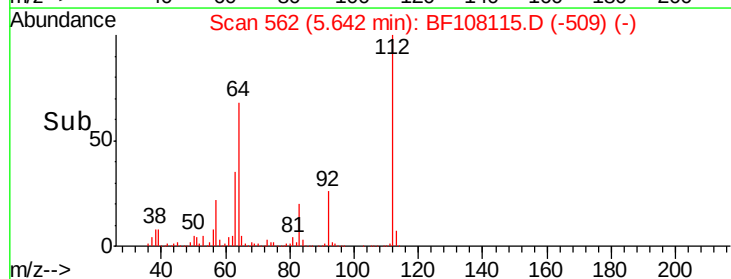
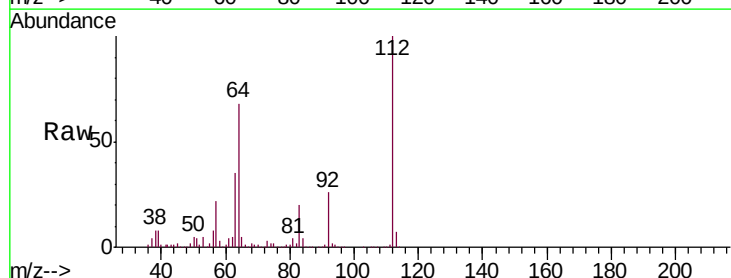
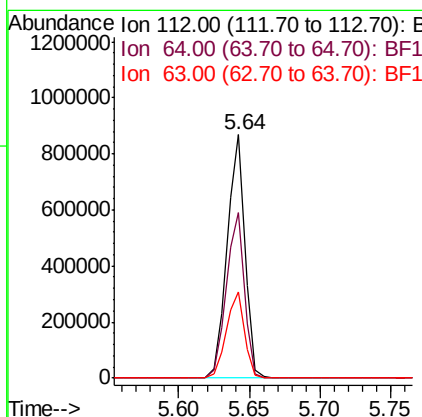
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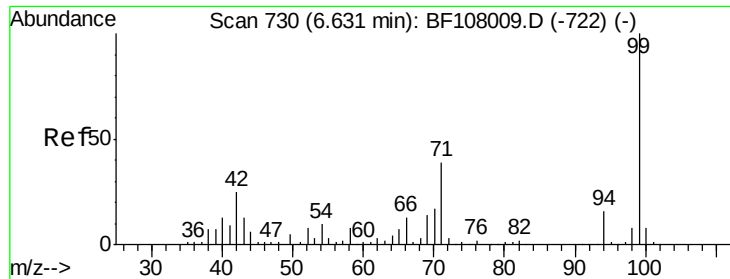


#5

2-Fluorophenol
Concen: 48.661 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	763004		
64	67.7	47.9	71.9	
63	35.4	23.7	35.5	





#7

Phenol-d6

Concen: 48.638 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

Tgt Ion: 99 Resp: 1013452

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

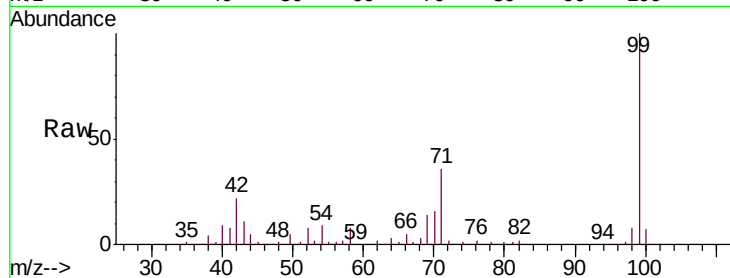
71 35.8 25.4 38.0

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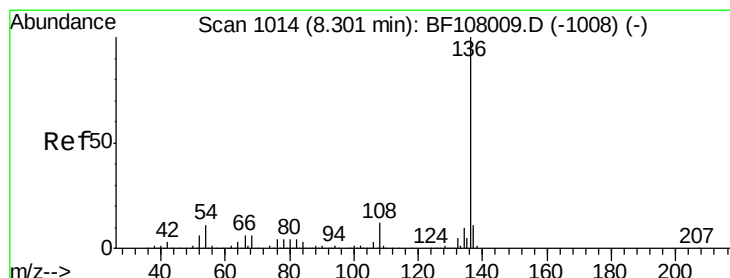
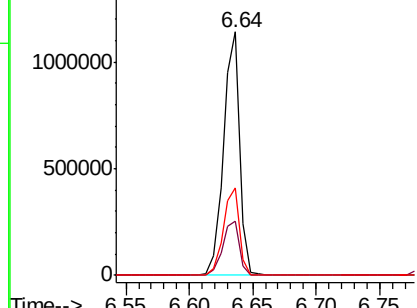
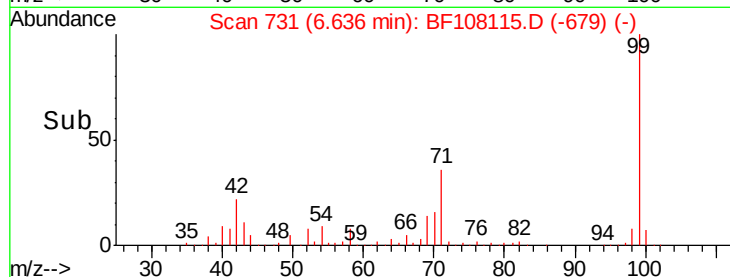
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF108115.D

Acq: 13 Aug 2018 14:49

Tgt Ion: 136 Resp: 1027643

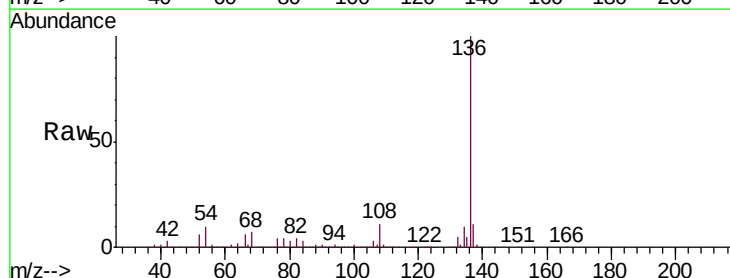
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.4 6.6 9.8#

68 6.7 5.0 7.4

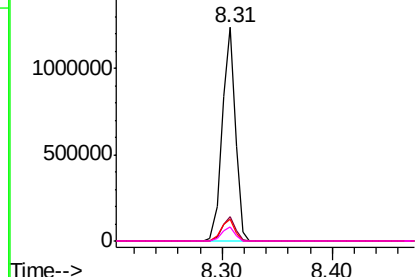
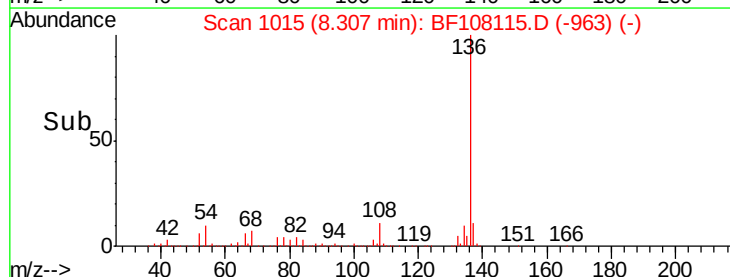


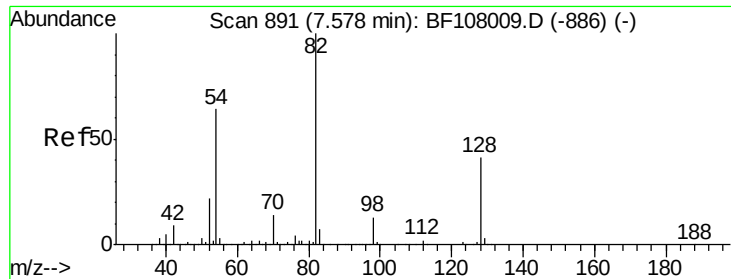
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





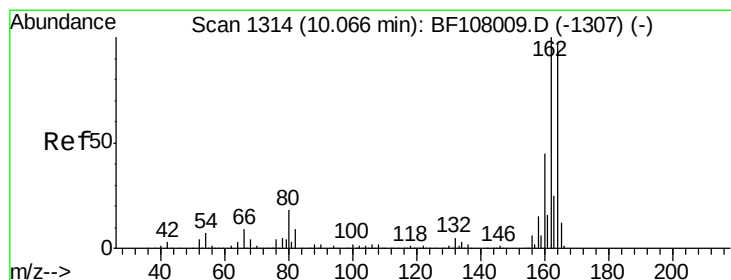
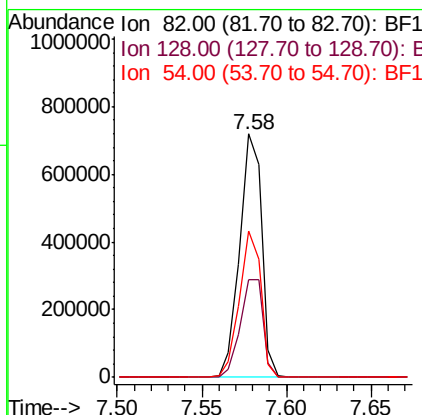
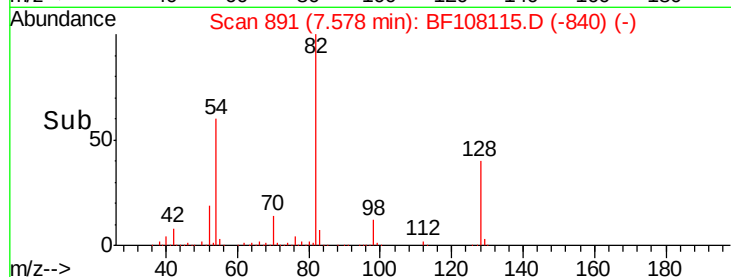
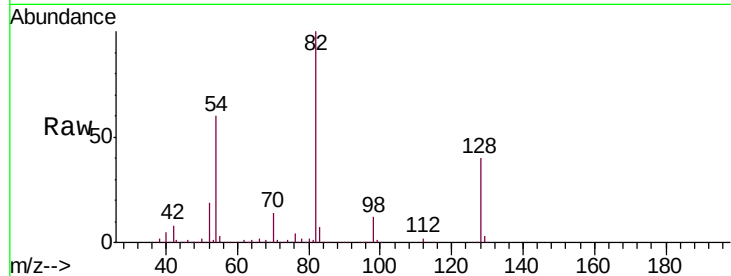
#23
Nitrobenzene-d5
Concen: 35.630 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	656164		
128	40.1	36.1	54.1	
54	60.1	41.4	62.2	

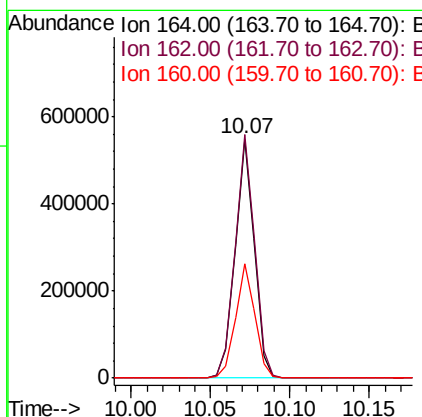
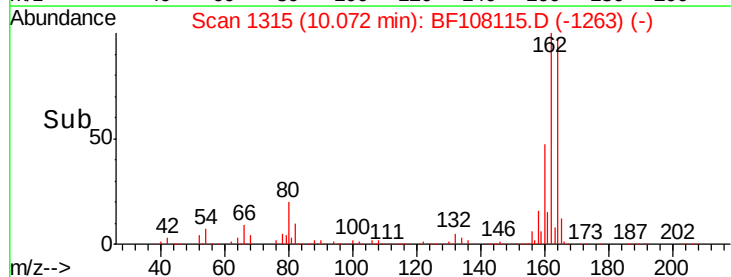
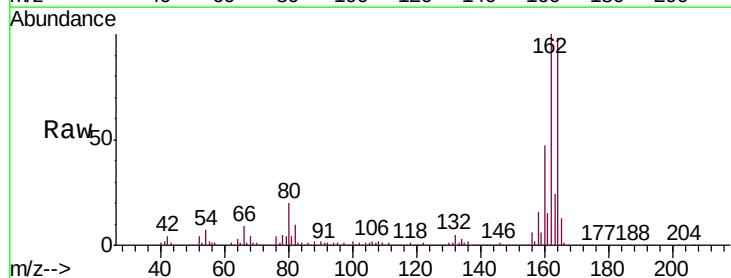
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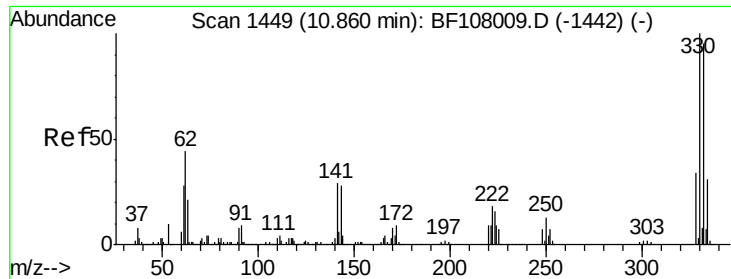
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	461204		
162	101.9	86.1	129.1	
160	47.7	38.3	57.5	





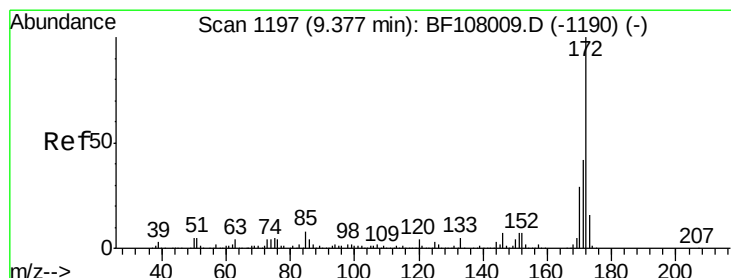
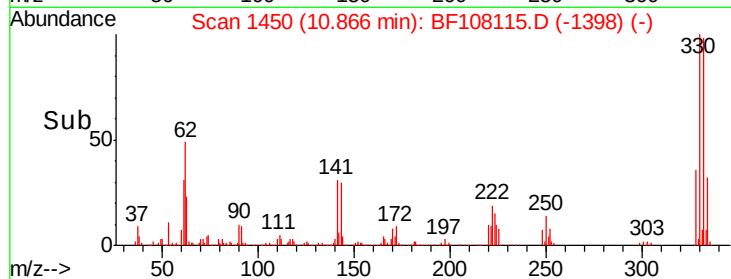
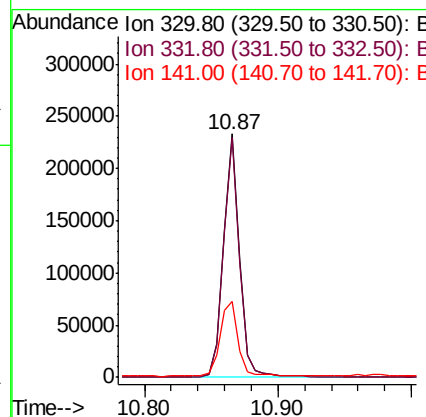
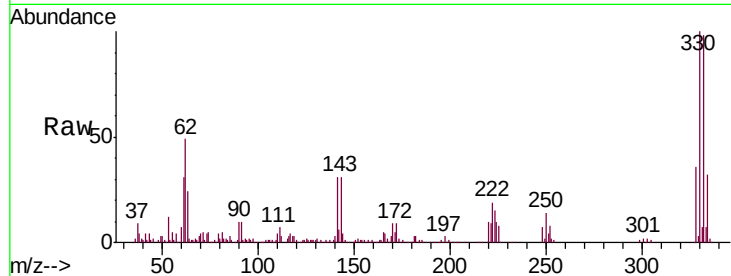
#41
 2,4,6-Tribromophenol
 Concen: 43.522 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108115.D
 Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	200217		
332	98.6	77.0	115.6	
141	34.0	29.9	44.9	

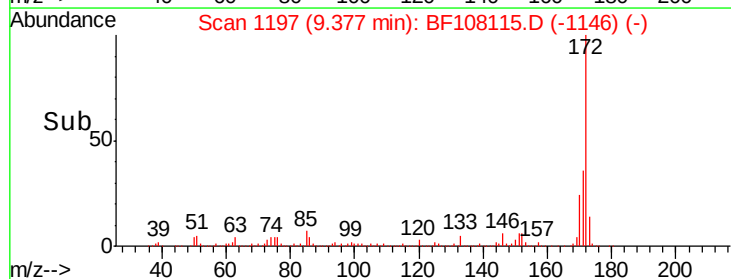
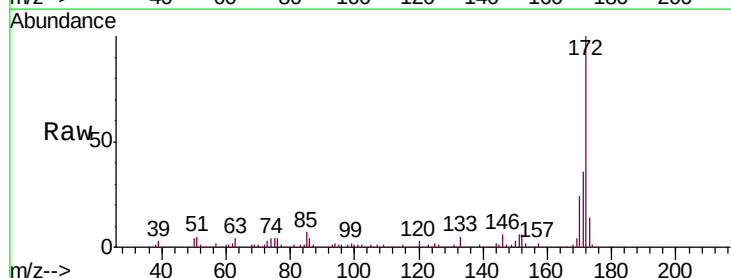
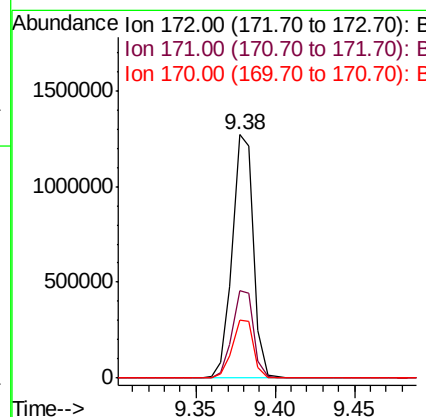
Manual Integrations
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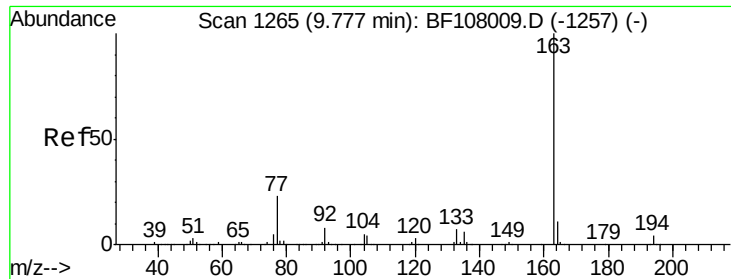
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#44
 2-Fluorobiphenyl
 Concen: 40.983 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108115.D
 Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1177322		
171	36.1	29.7	44.5	
170	24.1	19.6	29.4	





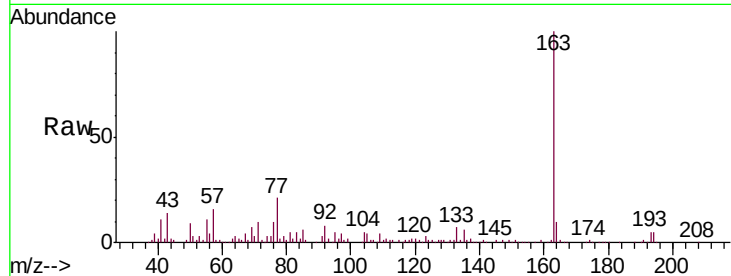
#49
Dimethylphthalate
Concen: 3.487 ng
RT: 9.77 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	112038		
194	4.9	2.7	4.1#	
164	10.3	8.2	12.2	

Manual Integrations
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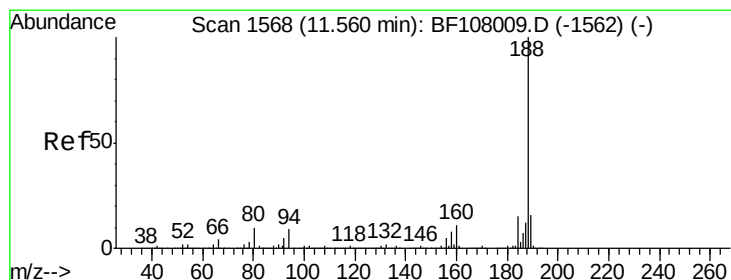
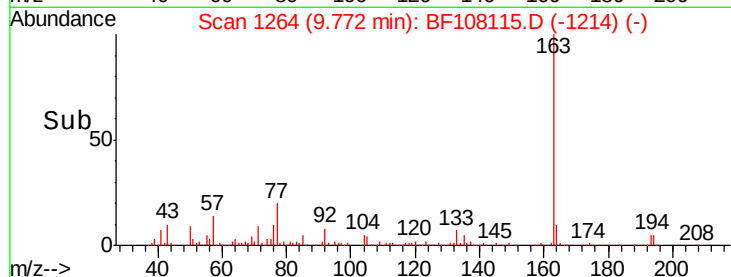
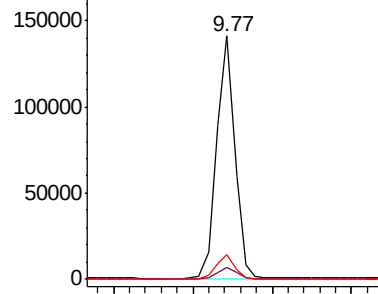


Abundance

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: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

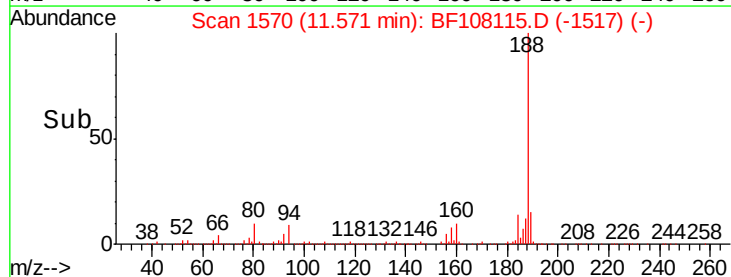
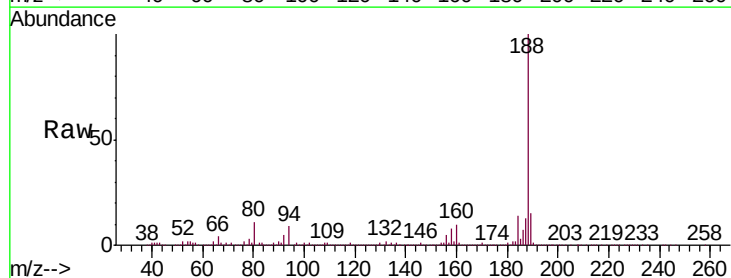
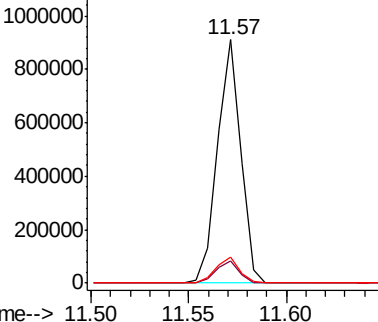
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	755216		
94	9.1	8.5	12.7	
80	10.5	9.2	13.8	

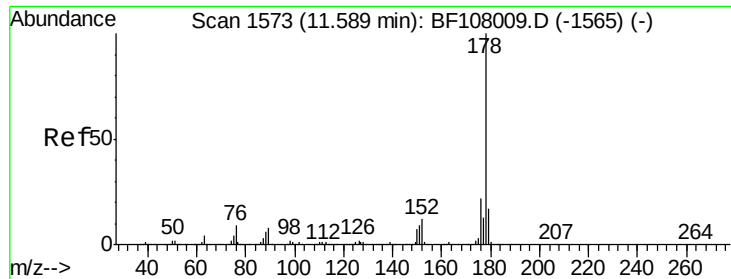
Abundance

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





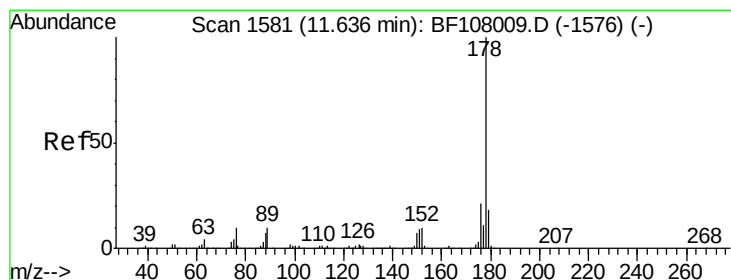
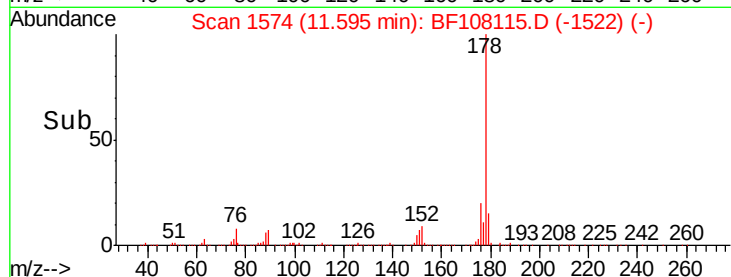
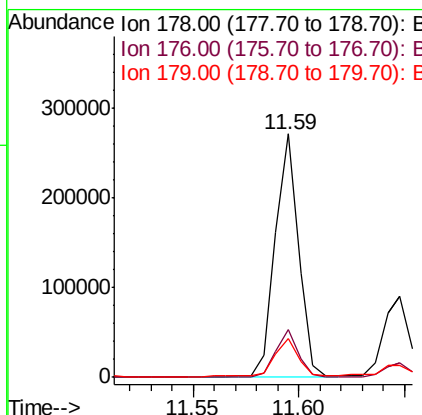
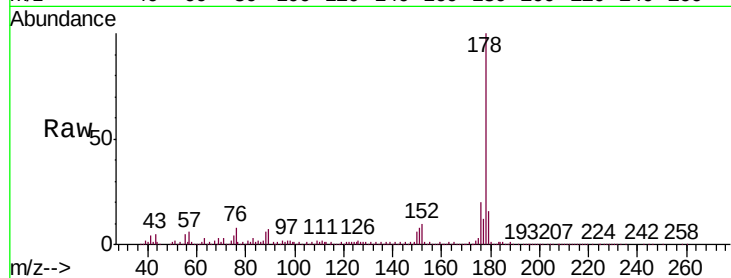
#70
Phenanthrene
Concen: 5.832 ng
RT: 11.59 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.8	13.0	19.6

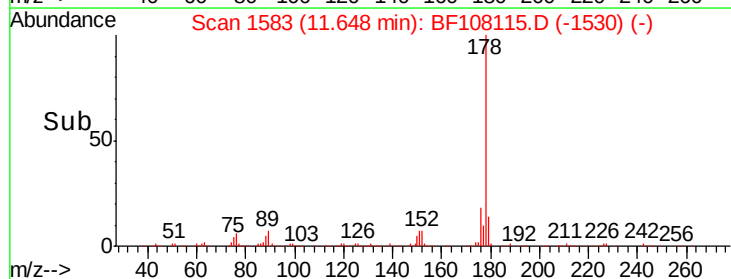
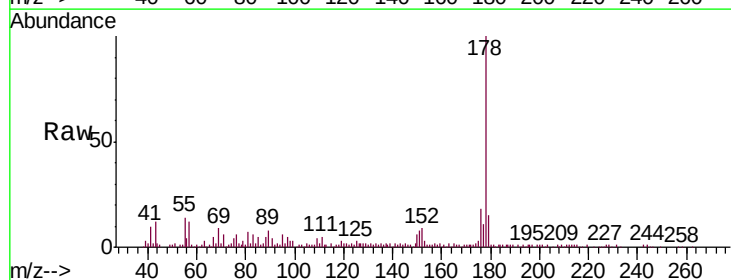
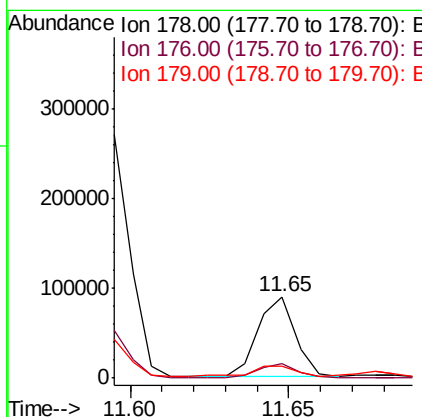
Manual Integrations
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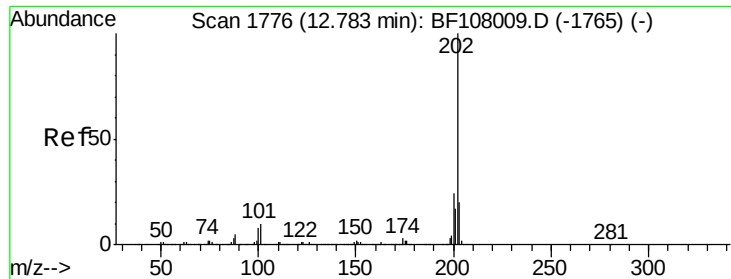
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#71
Anthracene
Concen: 2.024 ng
RT: 11.65 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 12.275 ng

RT: 12.79 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Instrument :

BNA_F

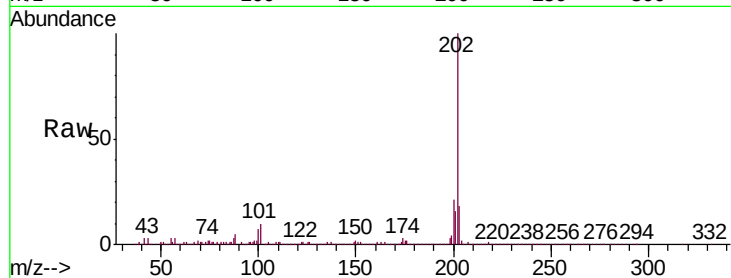
ClientSampleId :

JC-03-080918-H

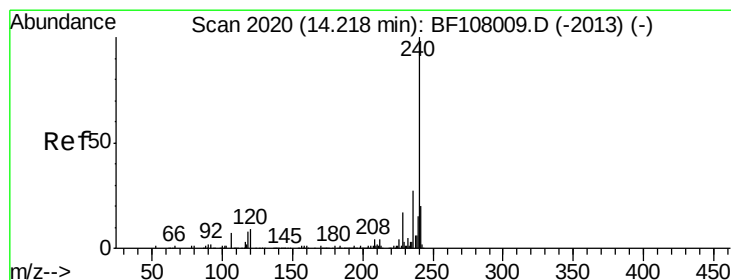
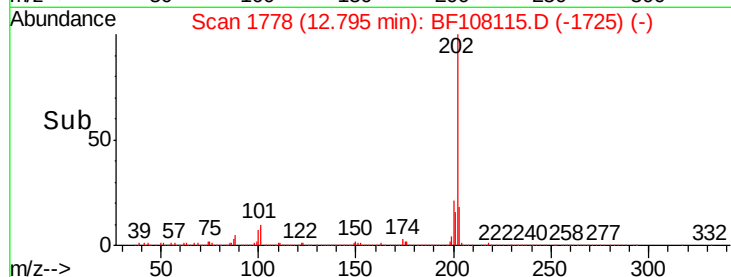
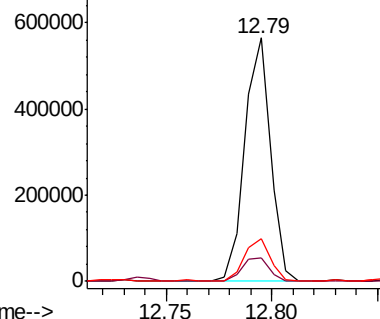
Tgt Ion:	202	Resp:	477214
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.1
203	17.7	0.0	38.1

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

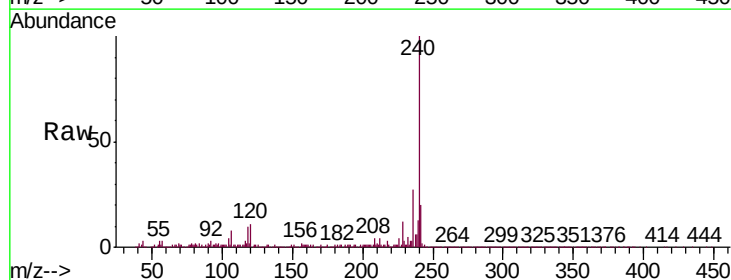
RT: 14.23 min Scan# 2022

Delta R.T. 0.01 min

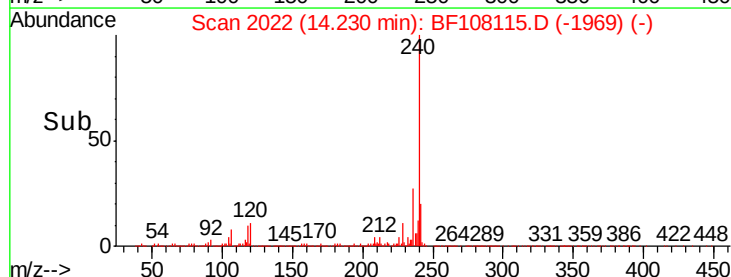
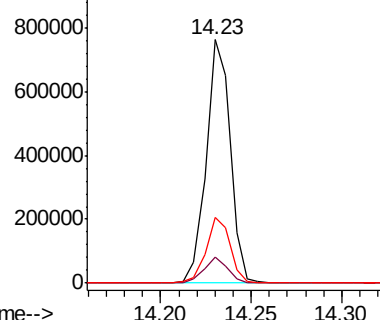
Lab File: BF108115.D

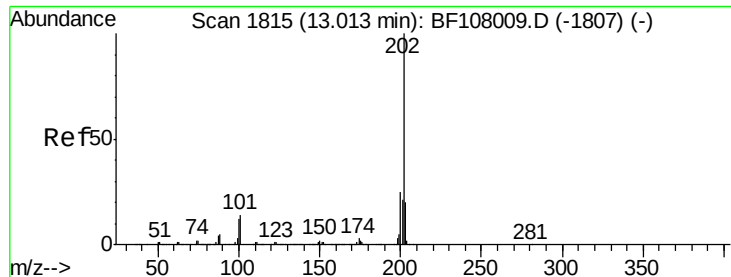
Acq: 13 Aug 2018 14:49

Tgt Ion:	240	Resp:	699946
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	27.1	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: 10.082 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Instrument :

BNA_F

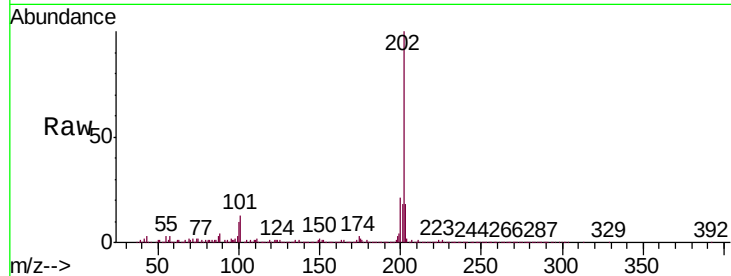
ClientSampleId :

JC-03-080918-H

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		446755		
200	21.2	17.4	26.2		
203	17.9	14.3	21.5		

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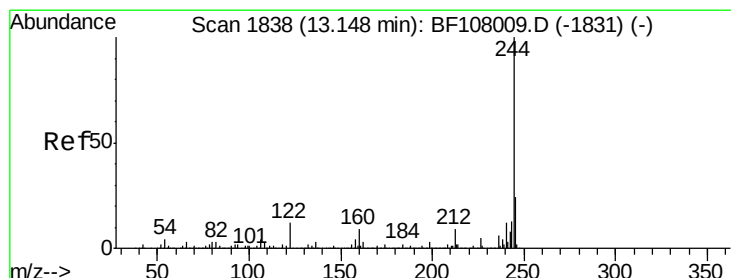
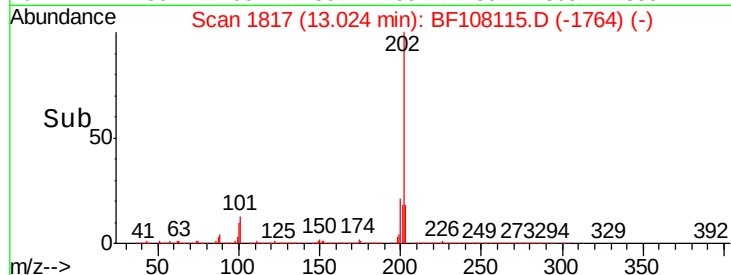
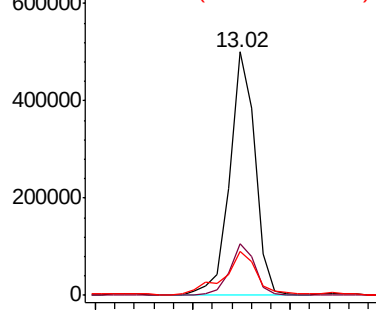


Abundance

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: 37.579 ng

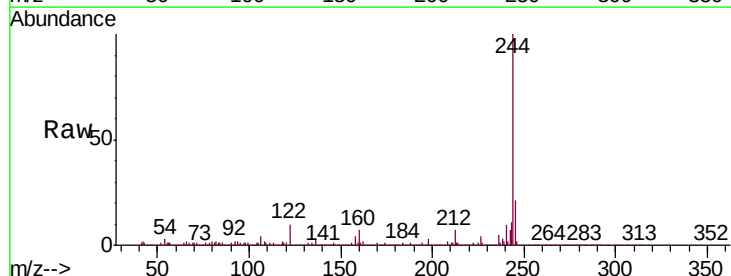
RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		1034521		
212	7.2	5.4	8.0		
122	10.2	11.0	16.4		

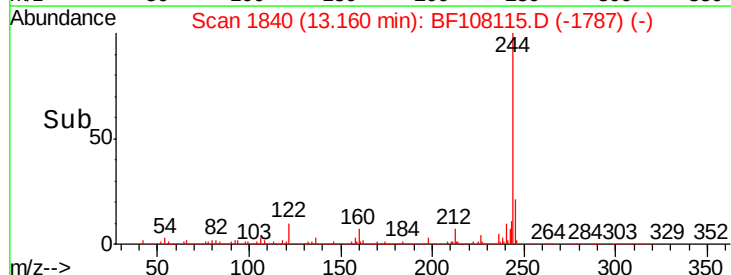
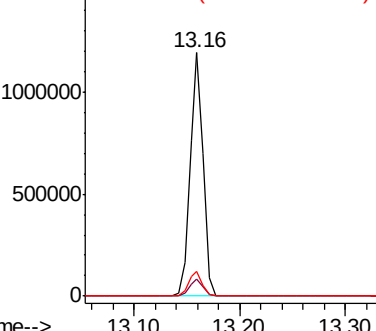


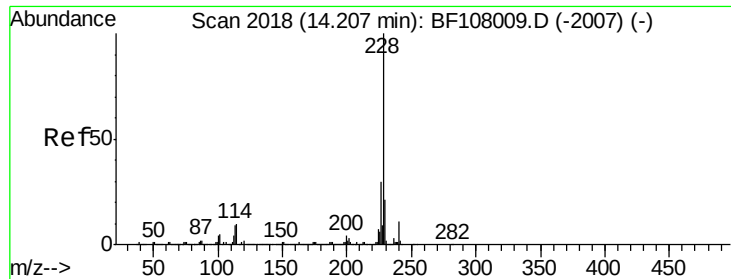
Abundance

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





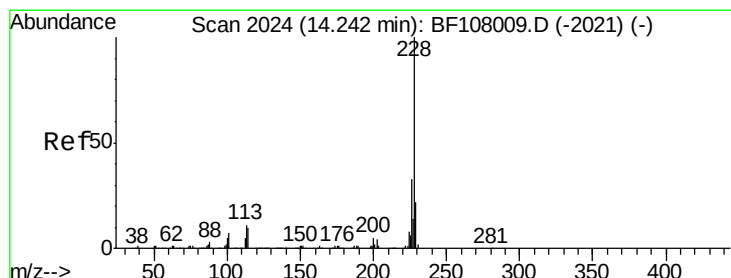
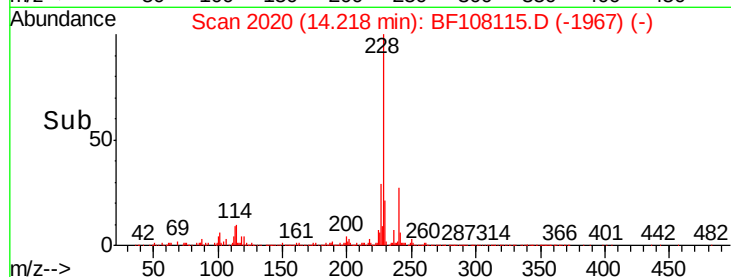
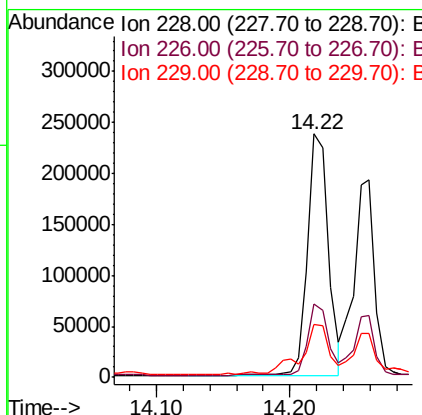
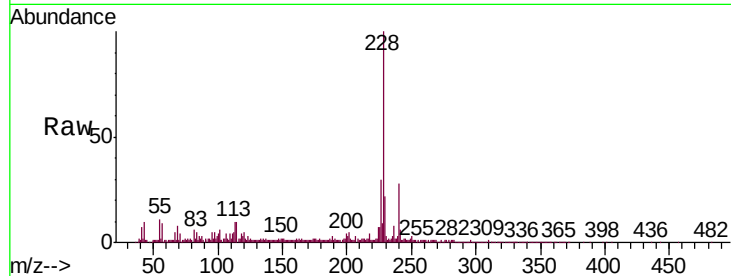
#80
Benzo(a)anthracene
Concen: 6.340 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.9	15.8	23.6

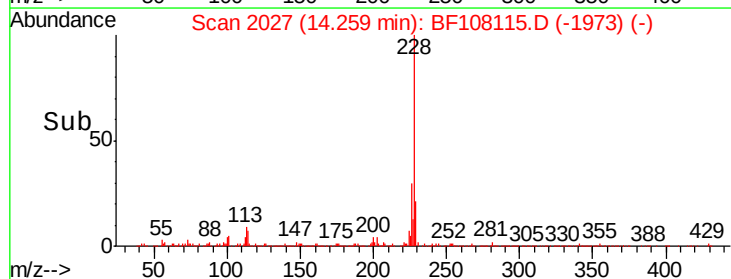
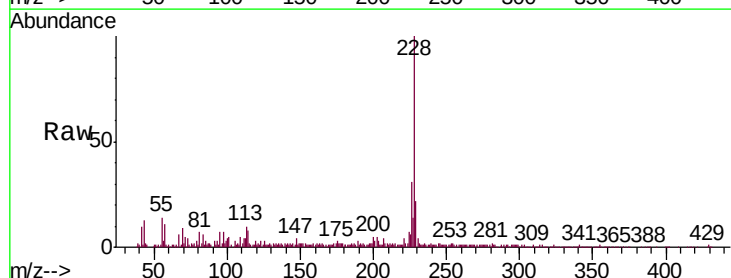
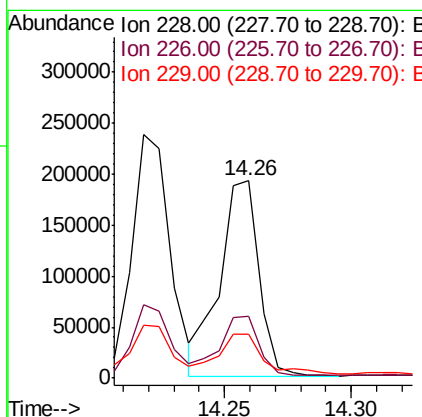
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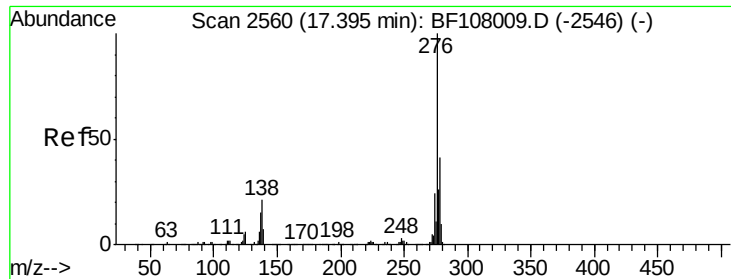
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#82
Chrysene
Concen: 5.643 ng
RT: 14.26 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.1	16.2	24.4





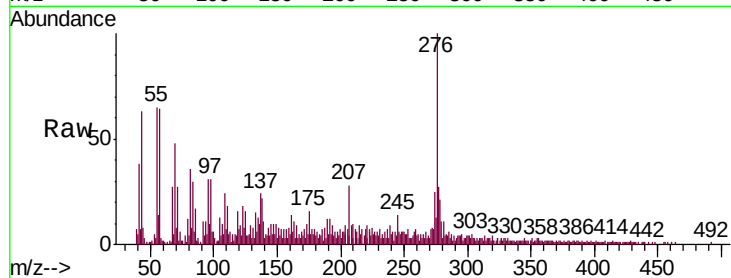
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.287 ng
RT: 17.45 min Scan# 2569
Delta R.T. 0.05 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	23.7	20.1	30.1

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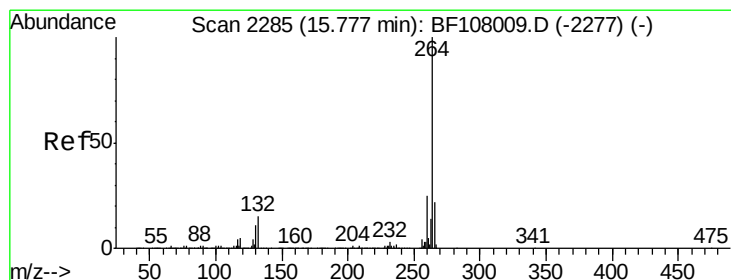
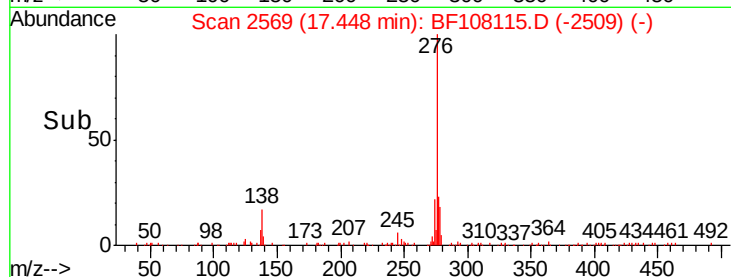
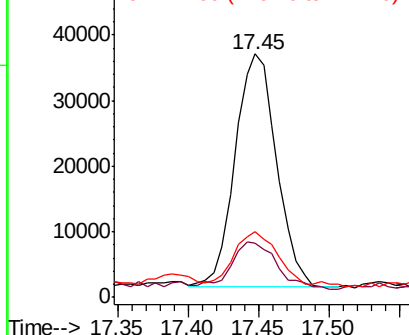


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2291
Delta R.T. 0.04 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

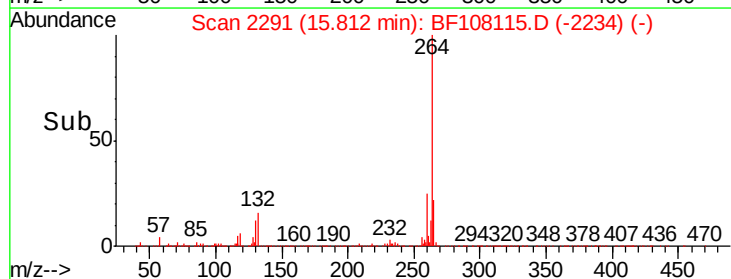
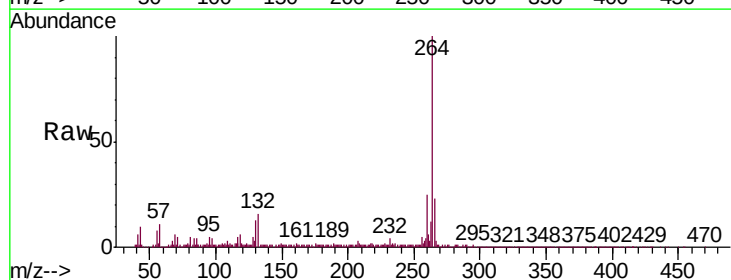
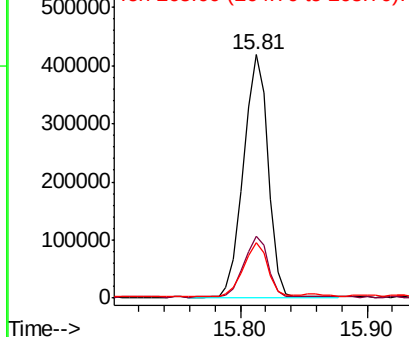
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.0	17.5	26.3

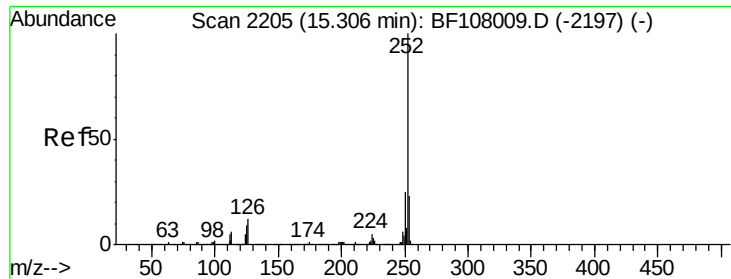
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.505 ng m

RT: 15.34 min Scan# 2210

Delta R.T. 0.03 min

Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Instrument :

BNA_F

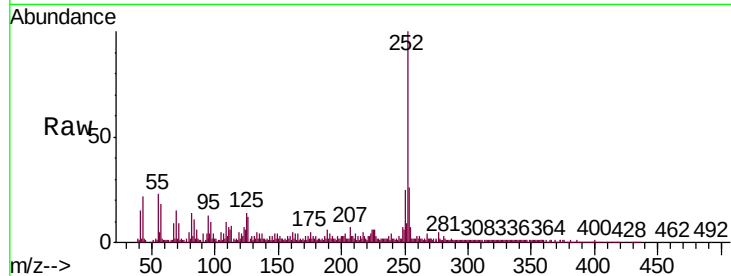
ClientSampleId :

JC-03-080918-H

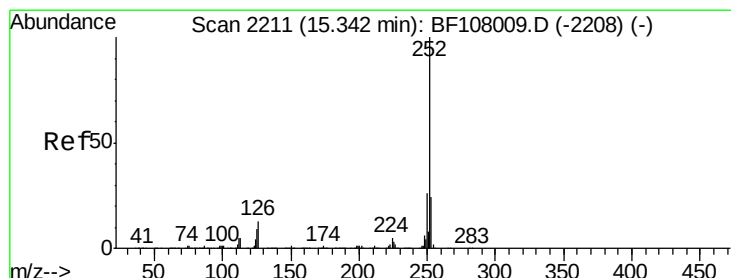
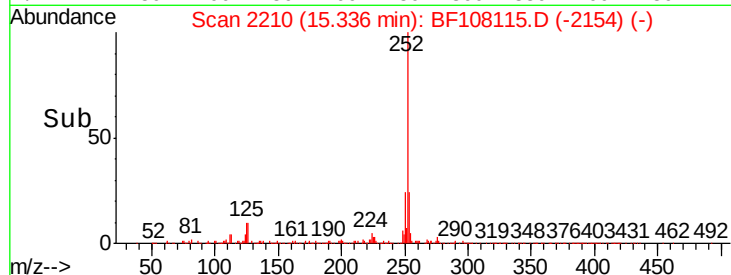
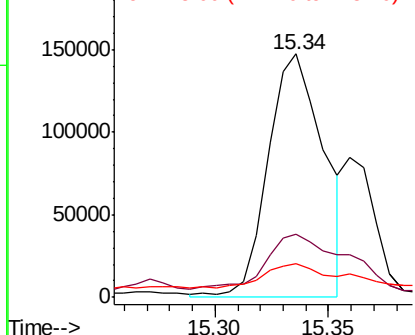
Tgt Ion:	252	Resp:	252214
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.0	25.6#
125	13.7	9.0	13.6#

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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



#88

Benzo(k)fluoranthene

Concen: 2.739 ng m

RT: 15.36 min Scan# 2214

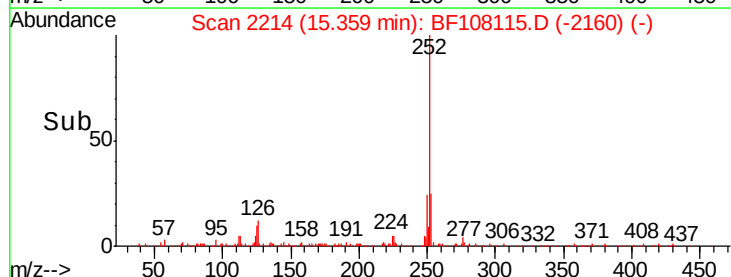
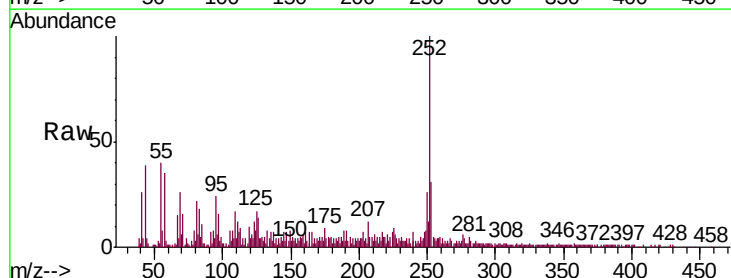
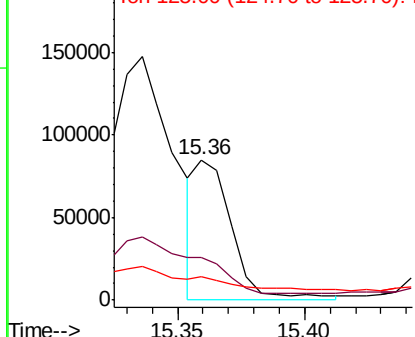
Delta R.T. 0.02 min

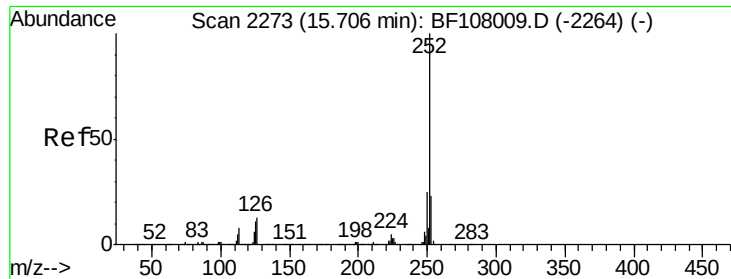
Lab File: BF108115.D

Acq: 13 Aug 2018 14:49

Tgt Ion:	252	Resp:	84599
Ion Ratio	Lower	Upper	
252	100		
253	30.8	17.9	26.9#
125	16.6	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





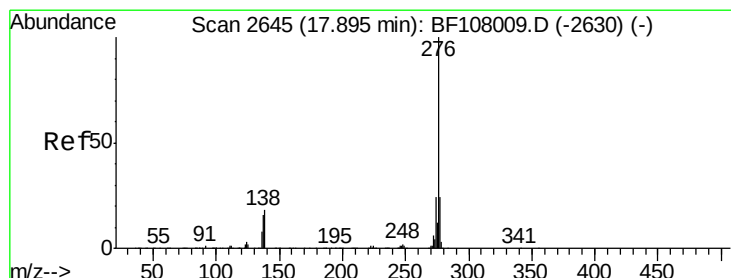
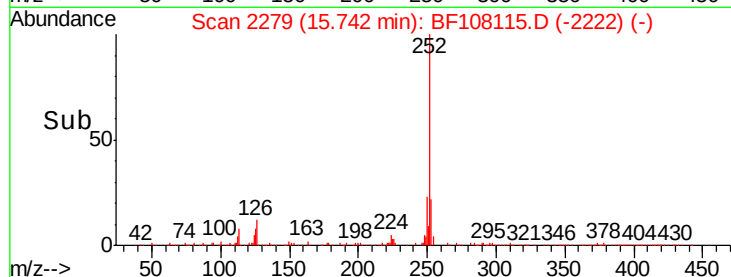
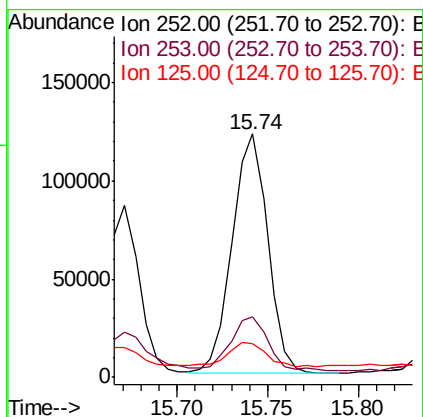
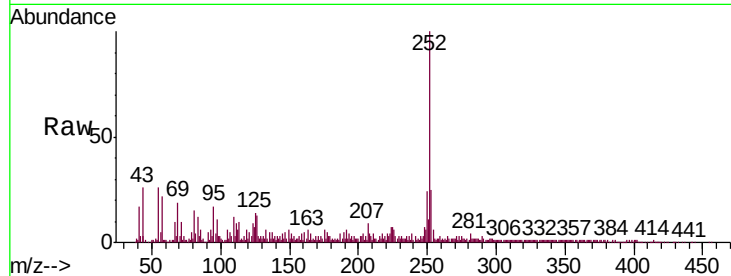
#89
Benzo(a)pyrene
Concen: 5.560 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	167327		
253	24.7	17.1	25.7	
125	13.6	9.8	14.6	

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#91
Benzo(g,h,i)perylene
Concen: 2.772 ng
RT: 17.95 min Scan# 2655
Delta R.T. 0.06 min
Lab File: BF108115.D
Acq: 13 Aug 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	67956		
277	23.8	17.9	26.9	
138	18.2	21.8	32.8#	

