

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
 Data File : BF108152.D
 Acq On : 14 Aug 2018 18:34
 Operator : JU/SJ
 Sample : J4460-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-FL-011

Manual Integrations
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 8/15/2018 3:38:44 PM

Quant Time: Aug 15 11:04:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	179569	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	596956	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	243608	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	454810	20.00	ng	0.00
75) Chrysene-d12	14.21	240	454300	20.00	ng	0.00
86) Perylene-d12	15.78	264	297111	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1062711	107.14	ng	0.02
7) Phenol-d6	6.64	99	1375369	104.35	ng	0.00
23) Nitrobenzene-d5	7.58	82	878555	82.12	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	279549	115.04	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1424801	93.90	ng	0.00
78) Terphenyl-d14	13.15	244	1478340	82.74	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	129100	7.608	ng	Qvalue # 98
70) Phenanthrene	11.58	178	195282	9.103	ng	98
71) Anthracene	11.64	178	55992	2.547	ng	99
74) Fluoranthene	12.78	202	293140	12.521	ng	96
77) Pyrene	13.01	202	261426	9.089	ng	100
80) Benzo(a)anthracene	14.20	228	144790	5.553	ng	99
82) Chrysene	14.24	228	121258	5.073	ng	98
87) Benzo(b)fluoranthene	15.31	252	108618m	6.118	ng	
88) Benzo(k)fluoranthene	15.34	252	39801m	2.439	ng	
89) Benzo(a)pyrene	15.71	252	75694	4.761	ng	99
91) Benzo(g,h,i)perylene	17.88	276	34743	2.682	ng	# 91

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

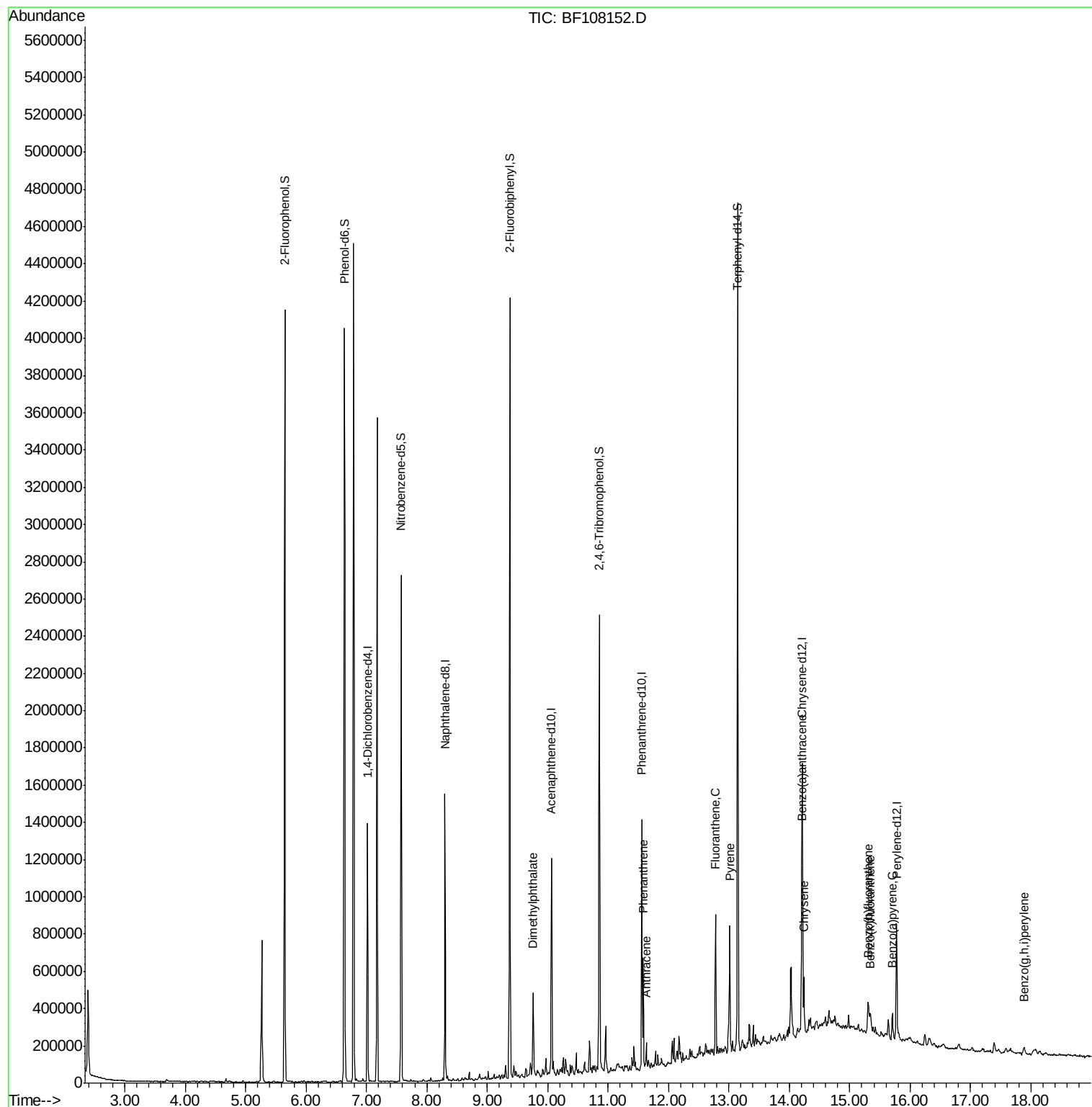
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108152.D
Acq On : 14 Aug 2018 18:34
Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

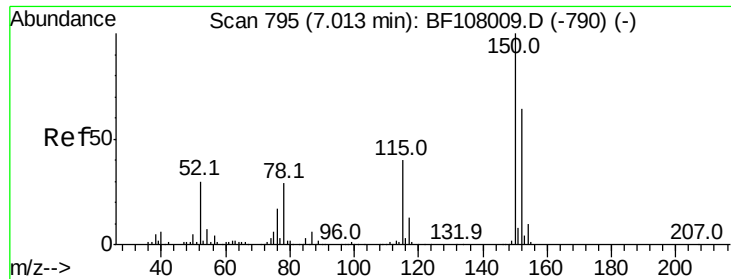
Instrument :
BNA_F
ClientSampled :
RA-081018-FL-011

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Quant Time: Aug 15 11:04:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

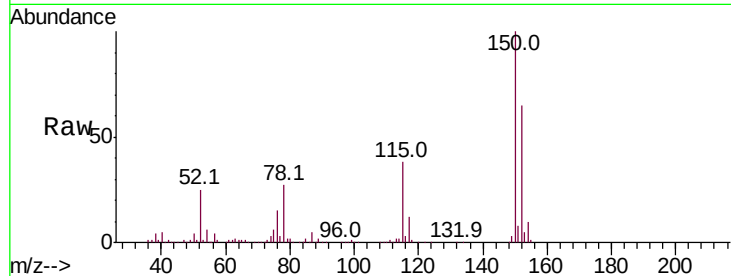
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.3	50.1	75.1

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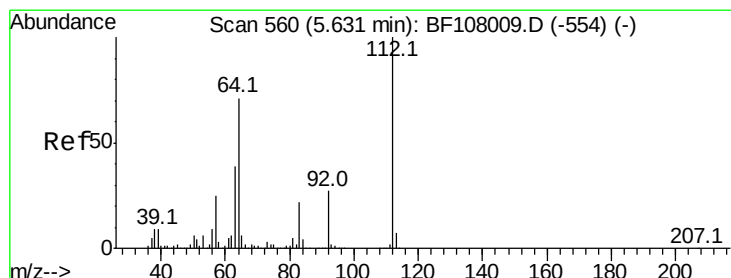
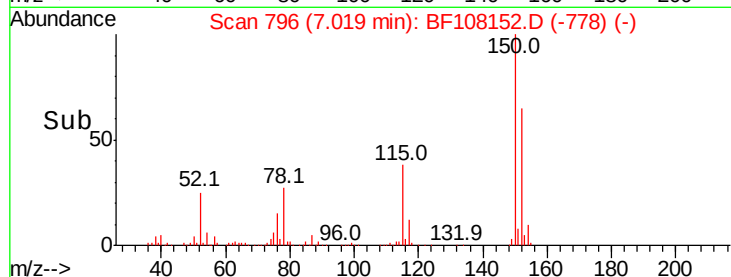
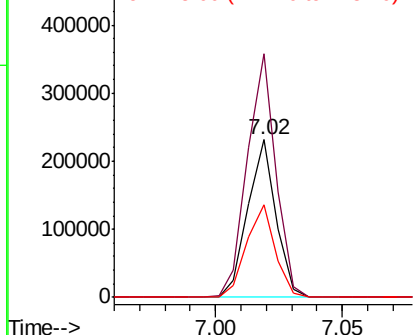


Abundance

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: 107.145 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

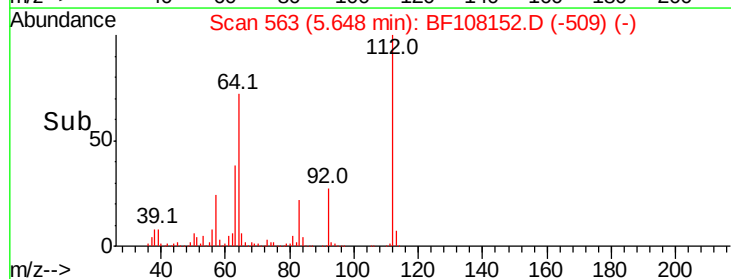
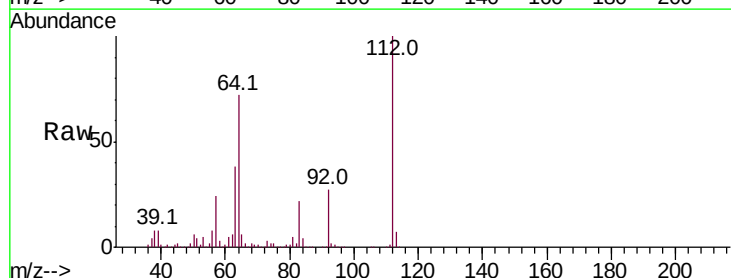
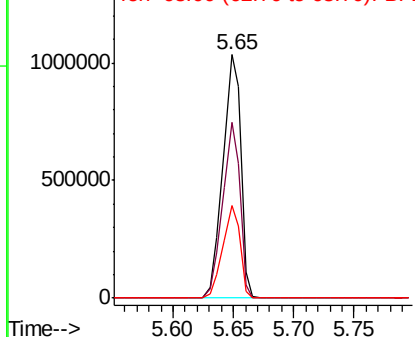
Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	47.9	71.9#
63	38.0	23.7	35.5#

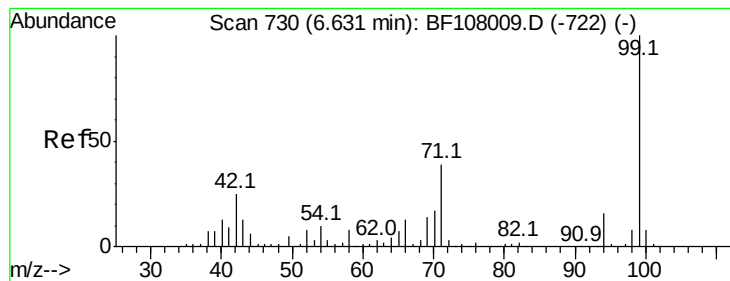
Abundance

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: 104.351 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

ClientSampleId :

RA-081018-FL-011

Tot Ion: 99 Resp: 1375369

Ion Ratio Lower Upper

99 100

42 23.8 14.5 21.7#

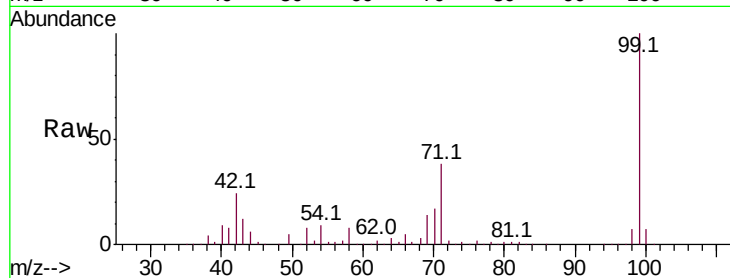
71 37.6 25.4 38.0

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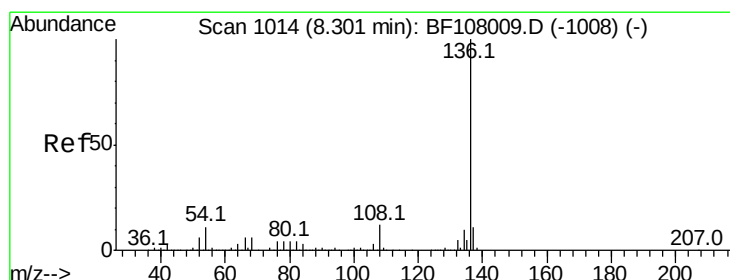
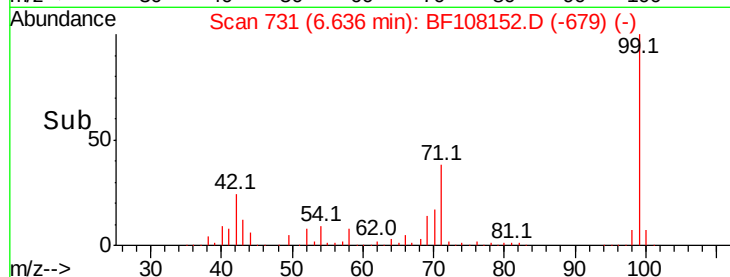
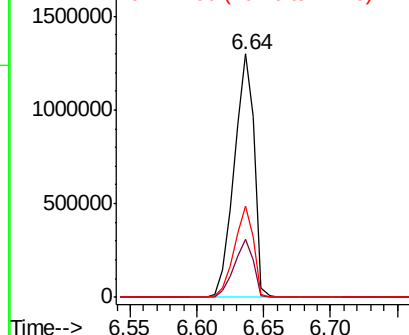
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion: 136 Resp: 596956

Ion Ratio Lower Upper

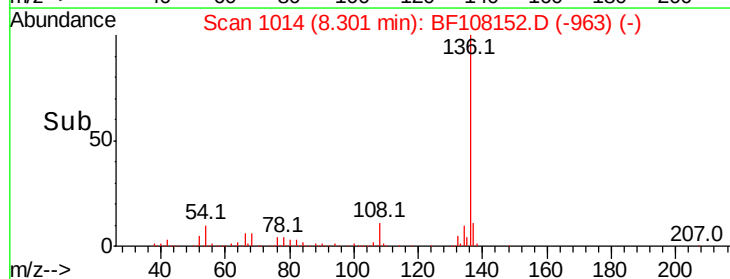
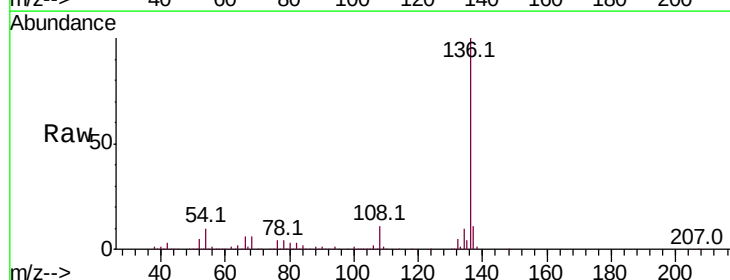
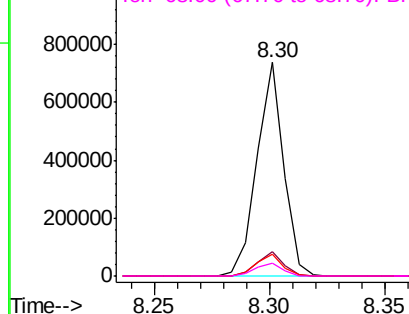
136 100

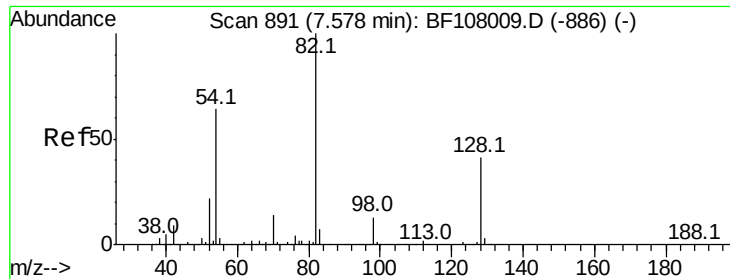
137 11.4 8.9 13.3

54 9.9 6.6 9.8#

68 6.2 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





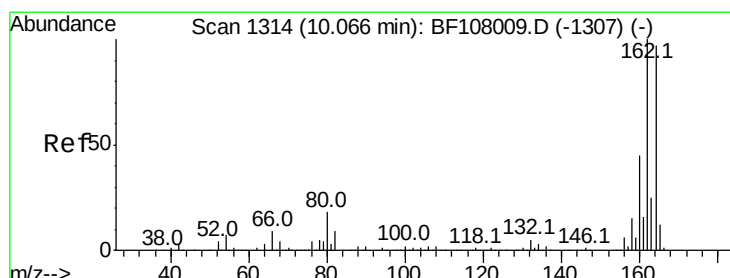
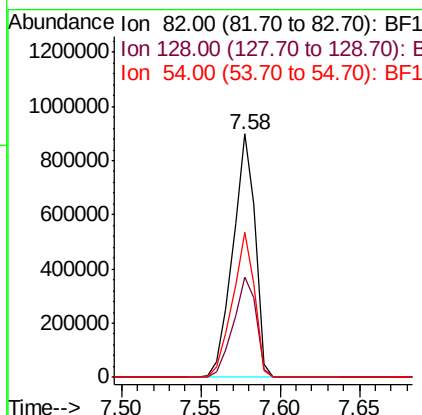
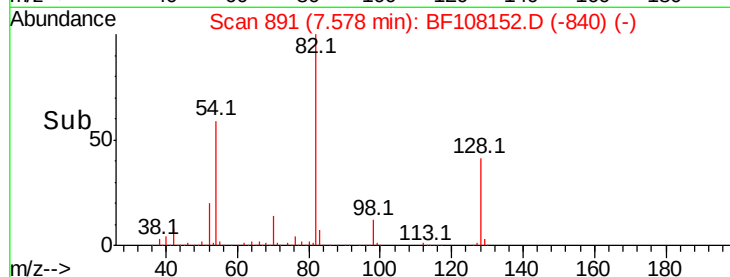
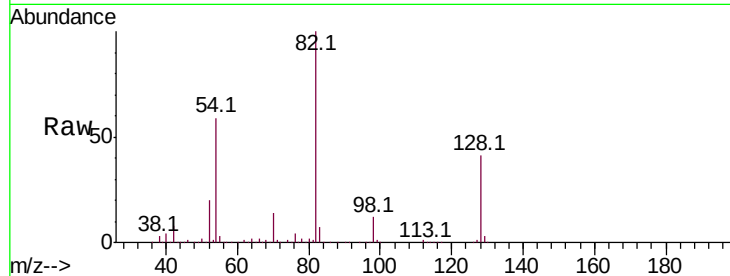
#23
Nitrobenzene-d5
Concen: 82.124 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	36.1	54.1	
54	59.4	41.4	62.2	

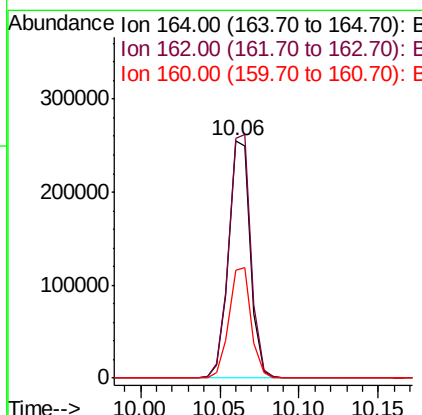
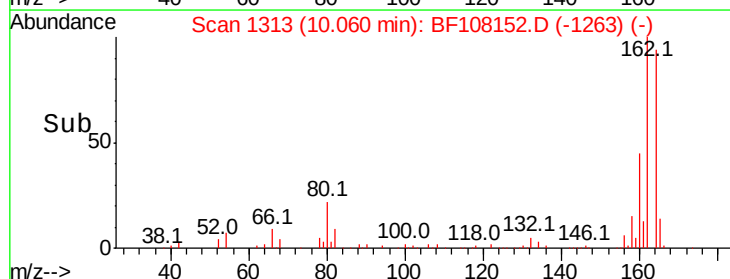
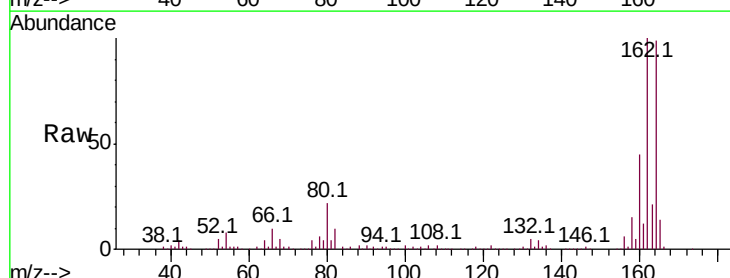
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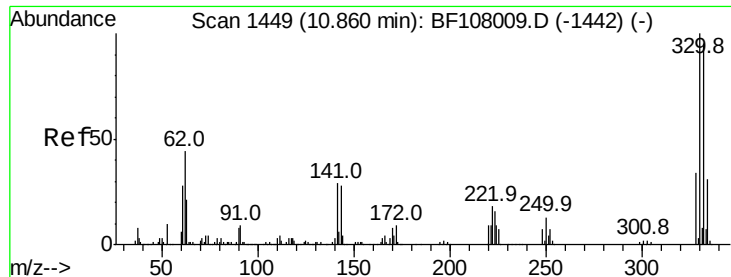
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	86.1	129.1	
160	45.6	38.3	57.5	





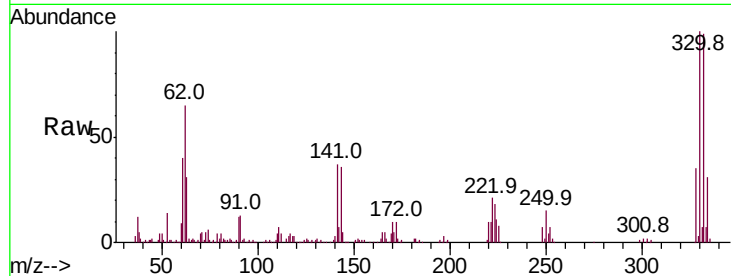
#41
 2,4,6-Tribromophenol
 Concen: 115.044 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-FL-011

Tot Ion	Ratio	Resp	Lower	Upper
330	100	279549		
332	97.4	77.0	115.6	
141	33.4	29.9	44.9	

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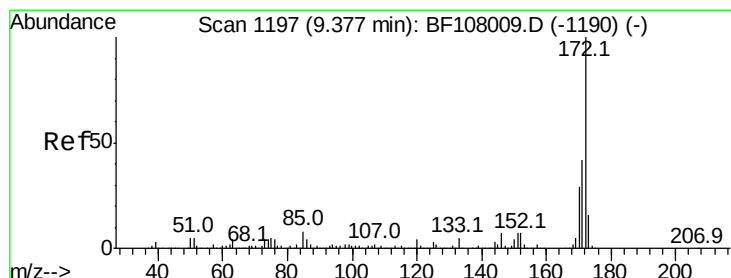
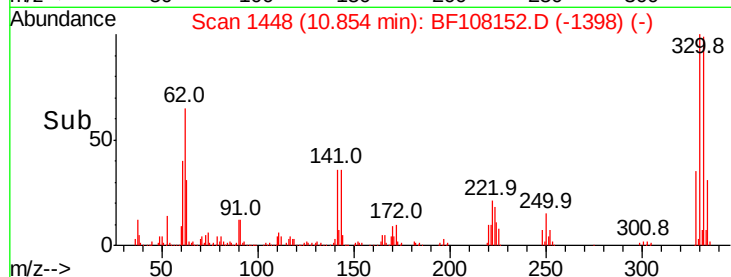
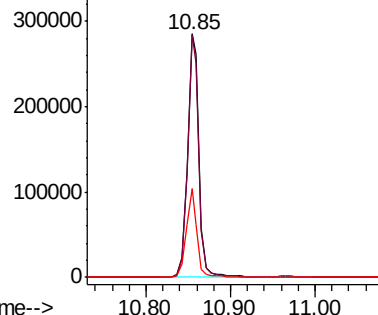


Abundance

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: 93.900 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

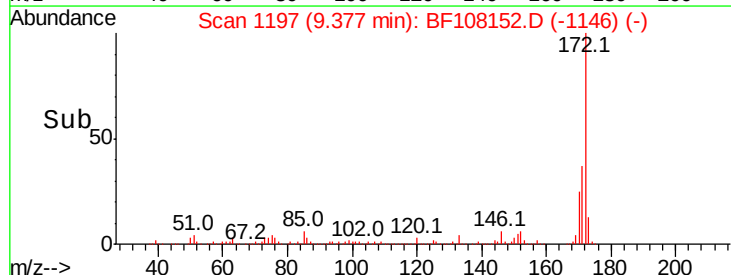
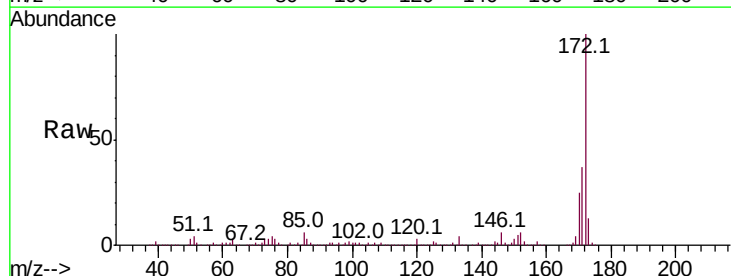
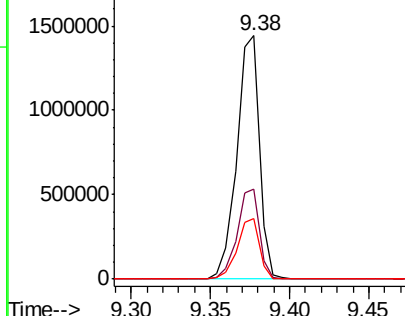
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1424801		
171	37.2	29.7	44.5	
170	24.6	19.6	29.4	

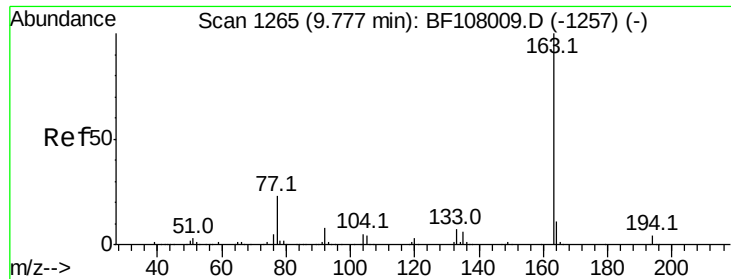
Abundance

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





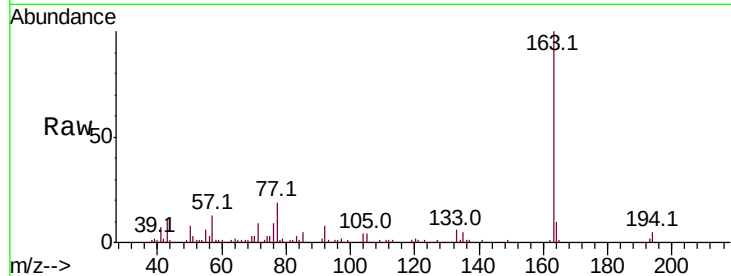
#49
Dimethylphthalate
Concen: 7.608 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

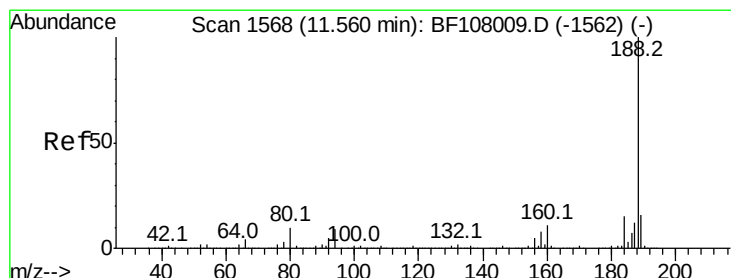
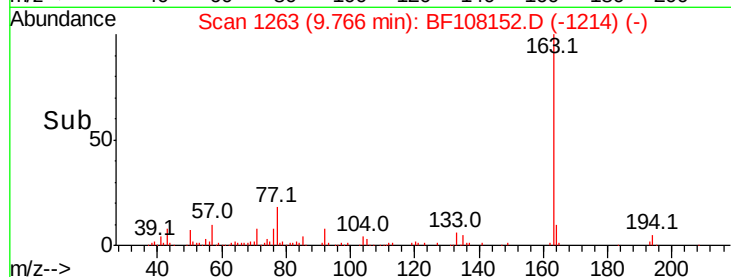
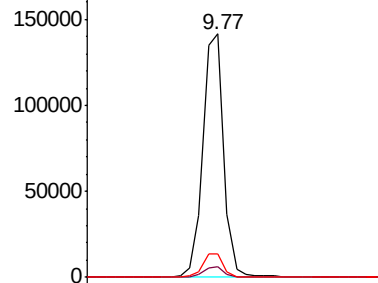
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	2.7	4.1#	
164	9.5	8.2	12.2	

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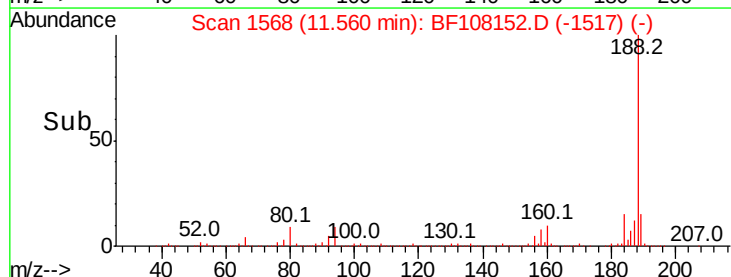
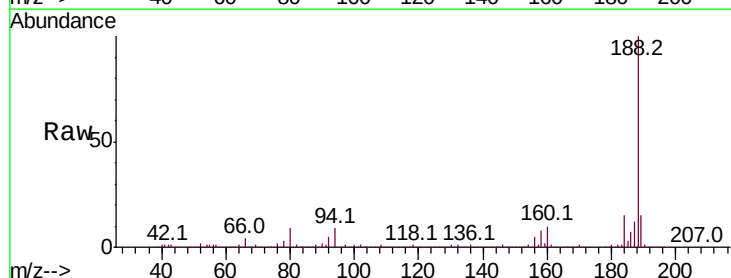
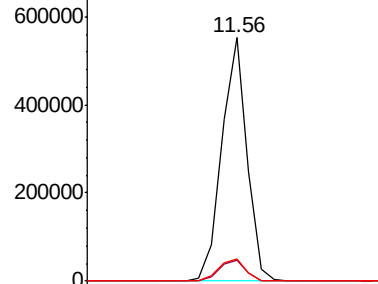
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

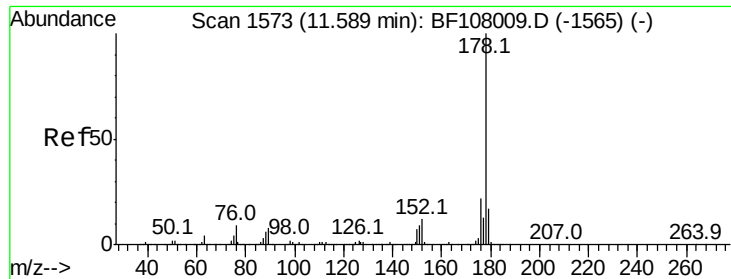


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	8.5	12.7	
80	9.1	9.2	13.8#	

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 9.103 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

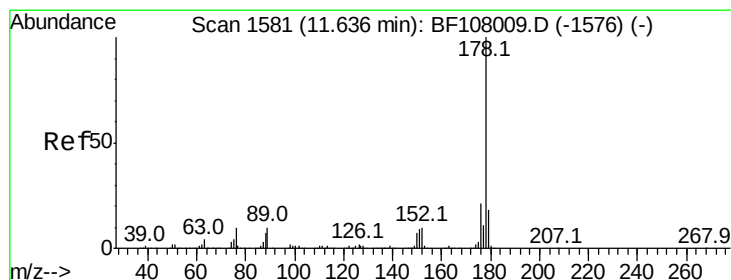
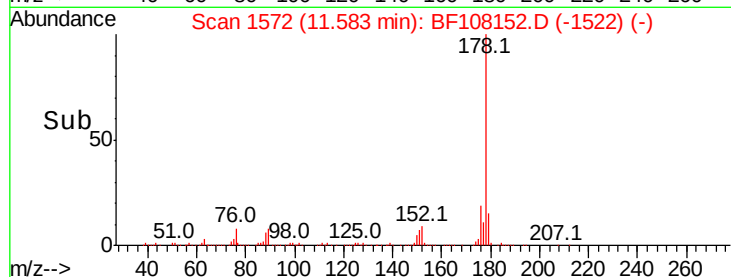
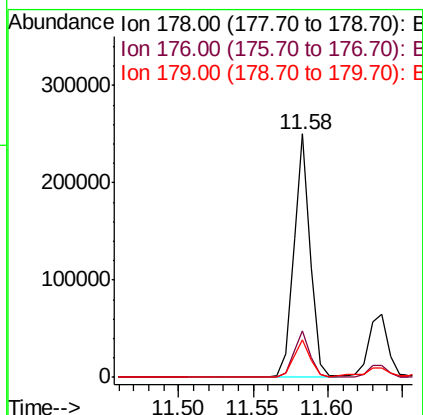
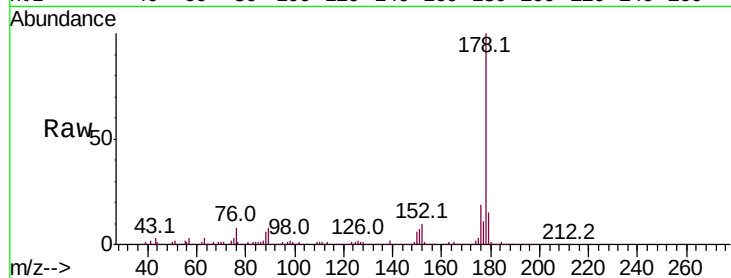
ClientSampleId :

RA-081018-FL-011

Tot Ion:	178	Resp:	195282
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

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#71

Anthracene

Concen: 2.547 ng

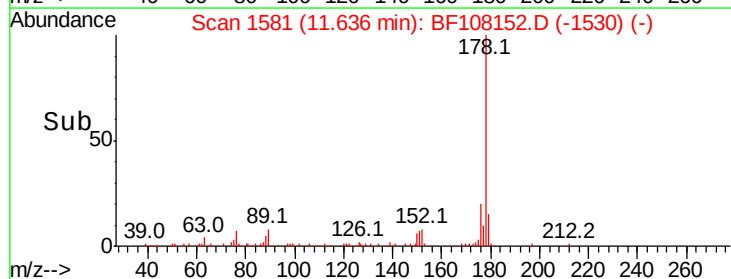
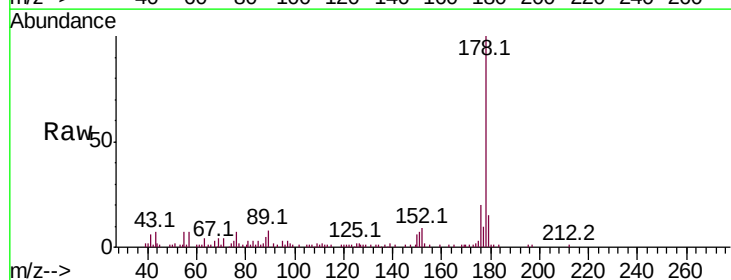
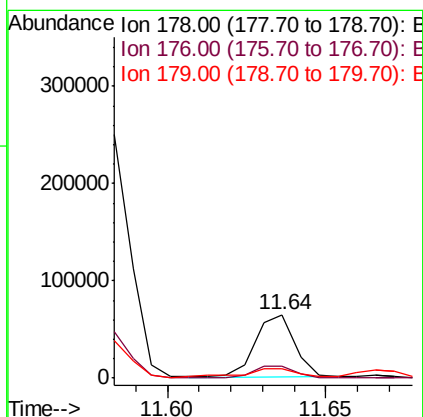
RT: 11.64 min Scan# 1581

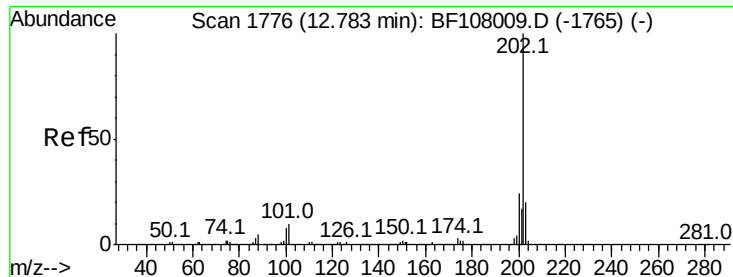
Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion:	178	Resp:	55992
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 12.521 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

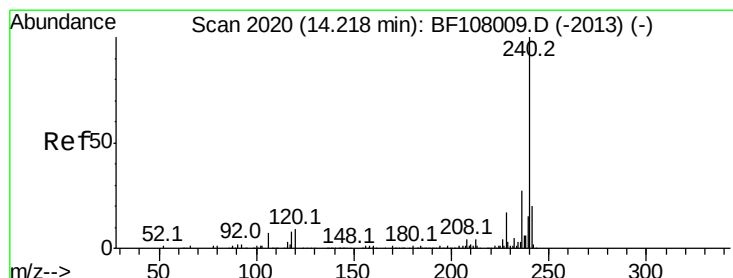
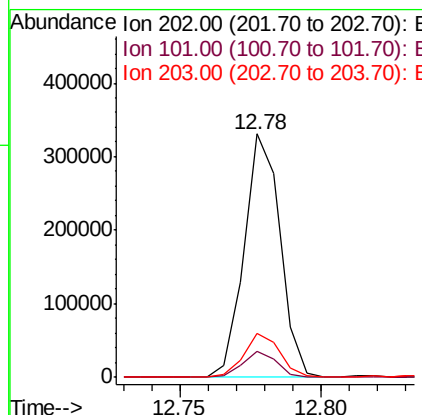
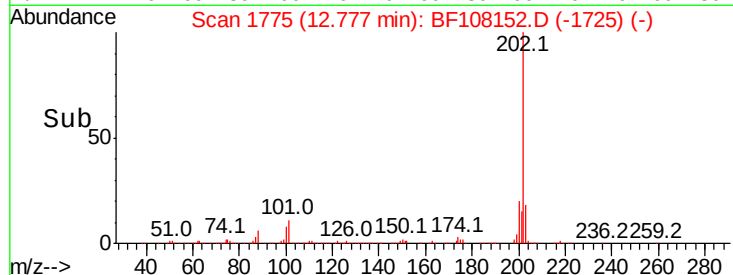
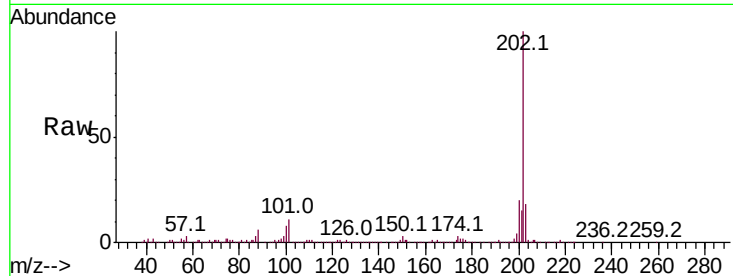
ClientSampleId :

RA-081018-FL-011

Tot Ion:	202	Resp:	293140
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

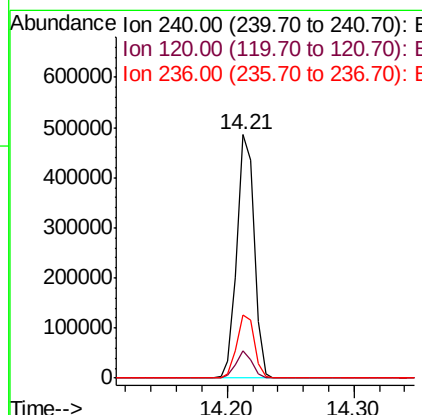
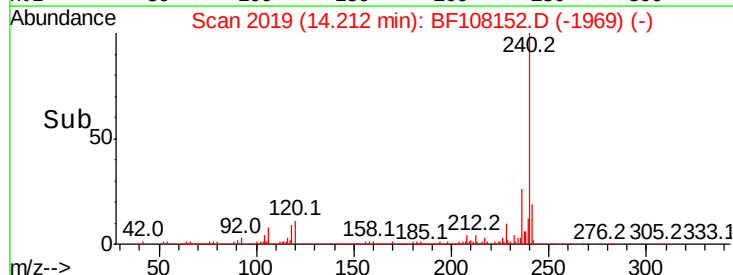
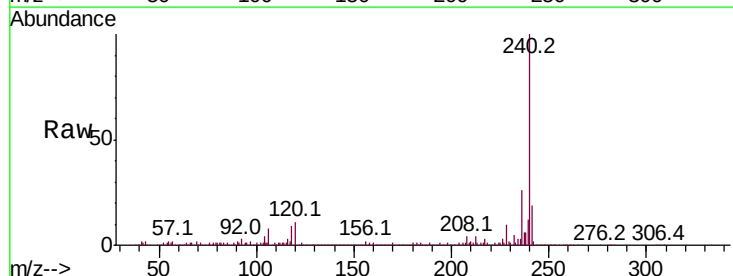
RT: 14.21 min Scan# 2019

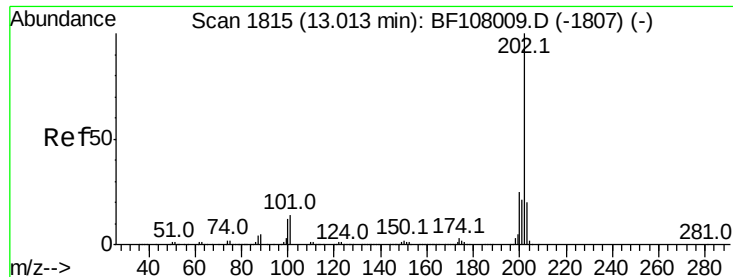
Delta R.T. -0.01 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion:	240	Resp:	454300
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	26.0	20.7	31.1





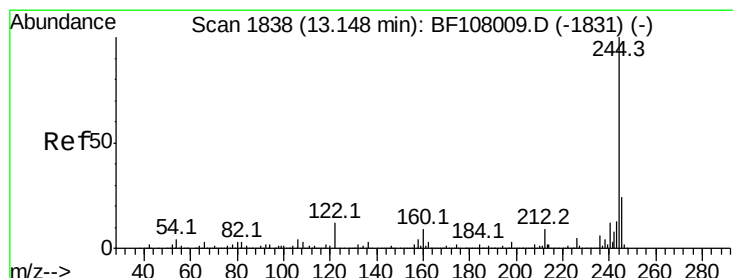
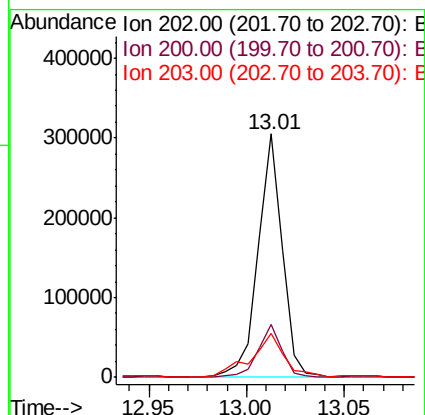
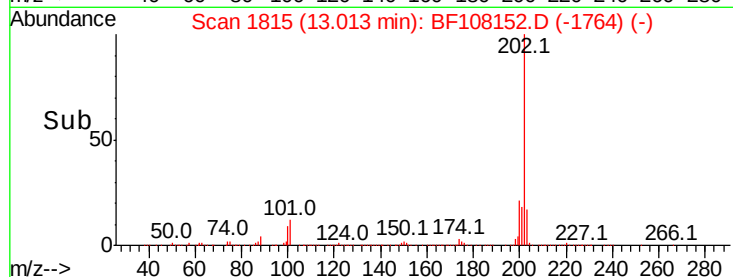
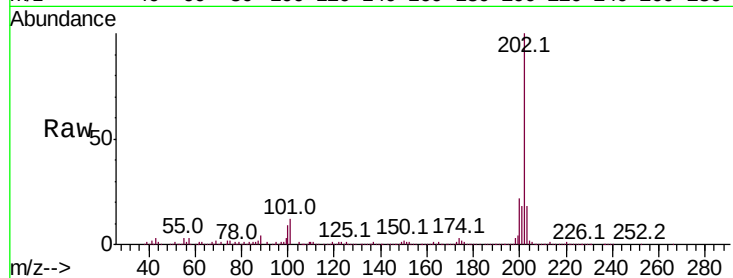
#77
Pvrene
Concen: 9.089 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Tot Ion:	202	Resp:	261426
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5

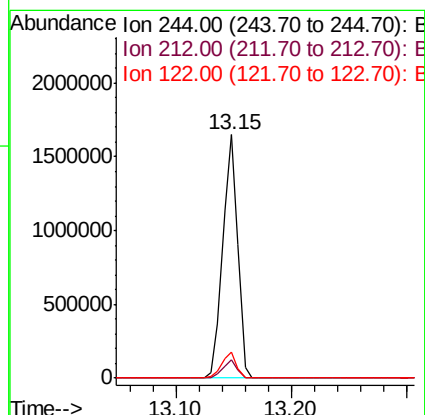
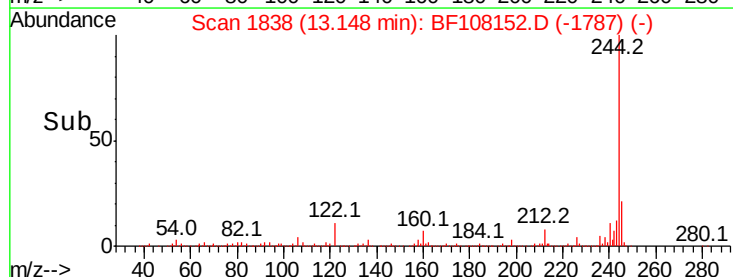
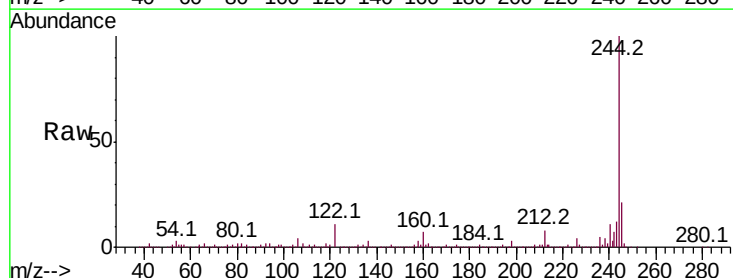
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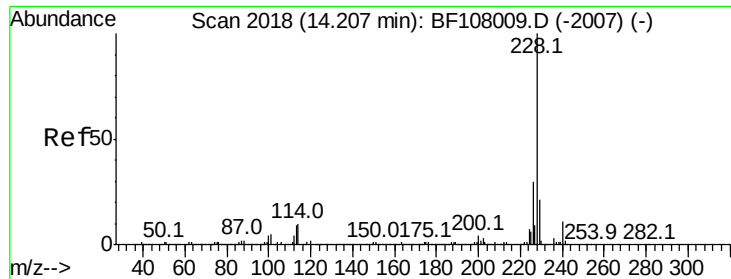
Sohil
8/15/2018 3:38:44 PM



#78
Terphenyl-d14
Concen: 82.738 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion:	244	Resp:	1478340
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.4	8.0
122	10.5	11.0	16.4#





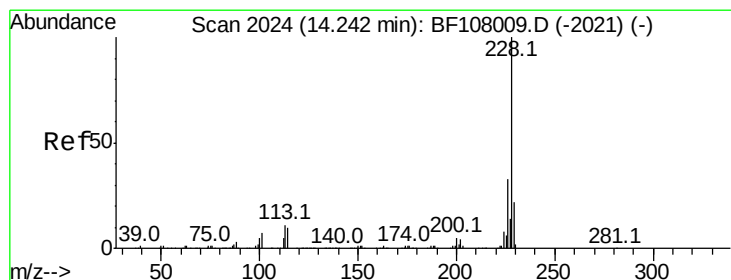
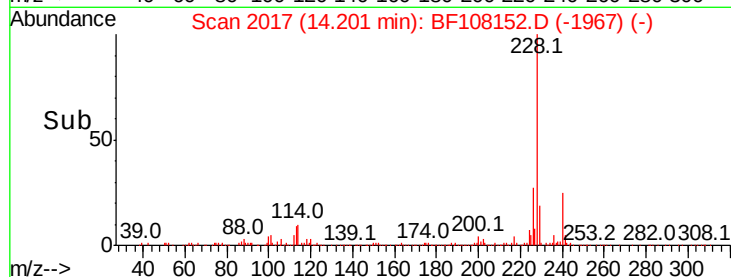
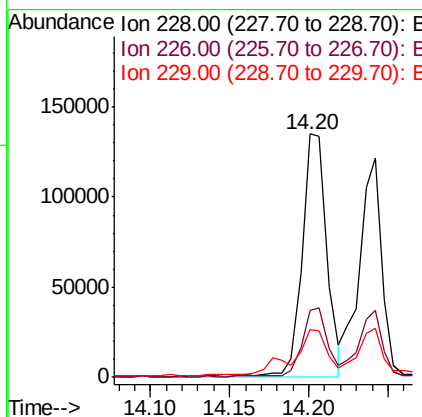
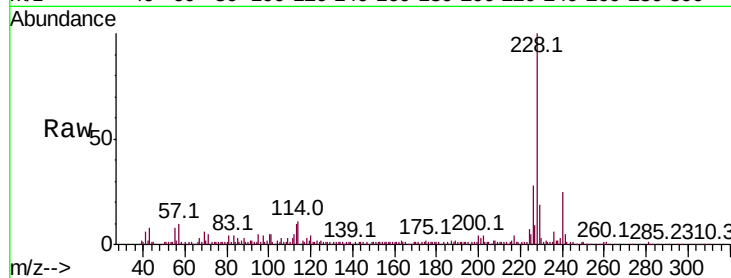
#80
Benzo(a)anthracene
Concen: 5.553 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	19.5	15.8	23.6

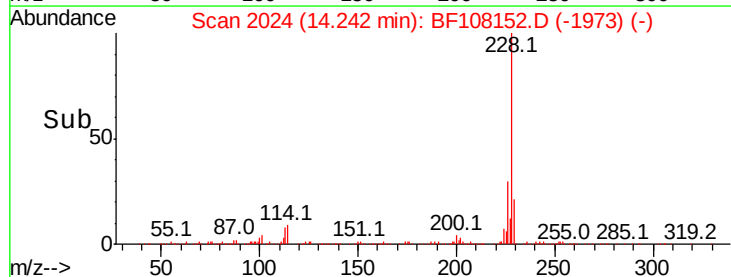
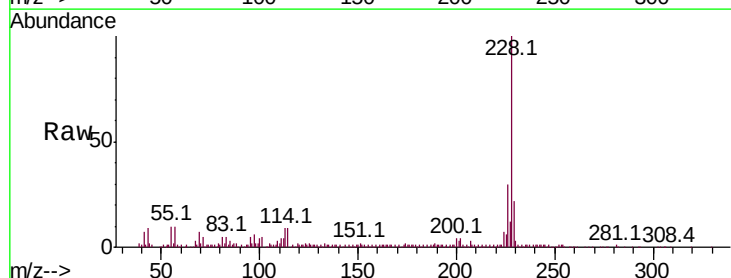
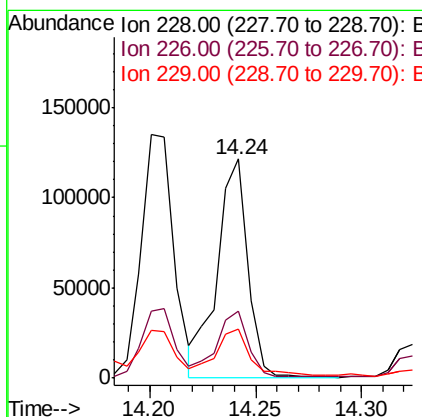
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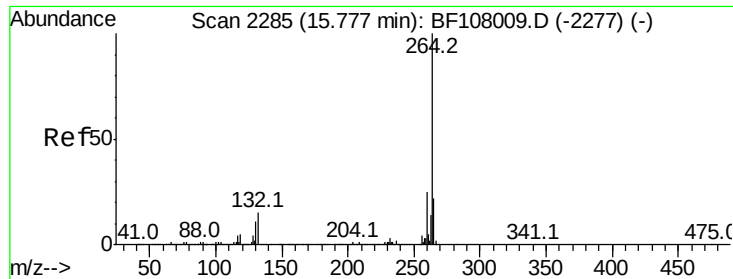
Sohil
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#82
Chrysene
Concen: 5.073 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.1	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Instrument :

BNA_F

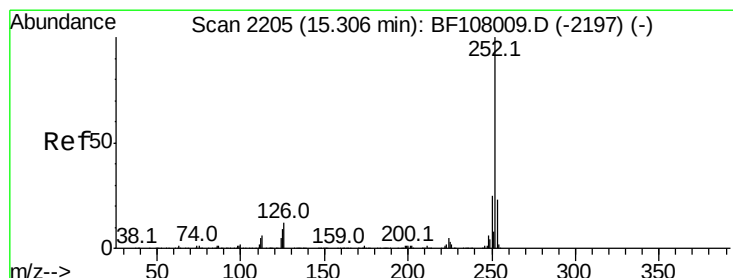
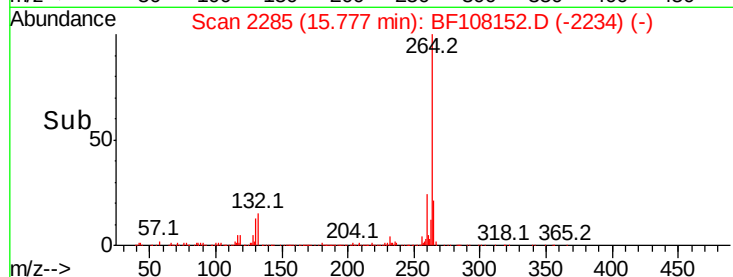
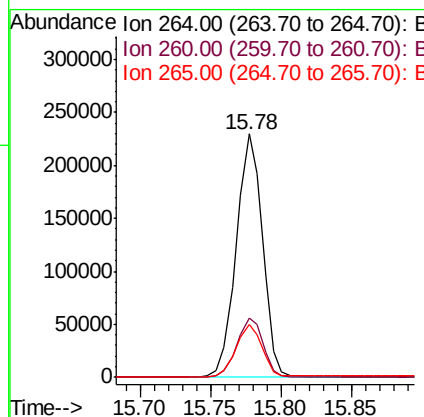
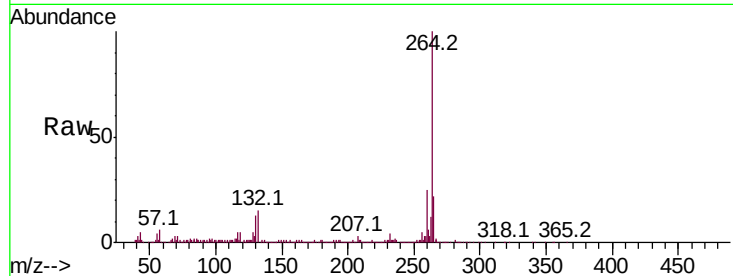
ClientSampleId :

RA-081018-FL-011

Tot Ion:	264	Resp:	297111
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.6	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 6.118 ng m

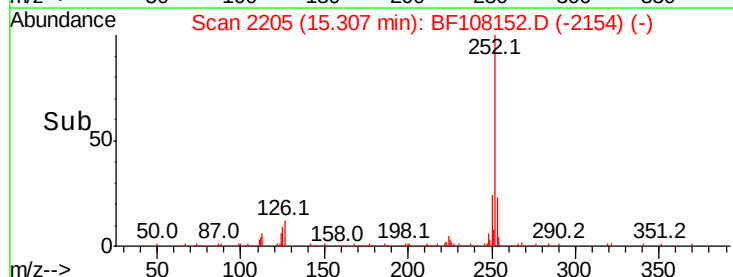
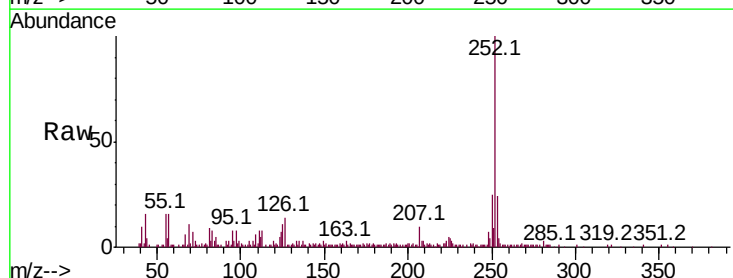
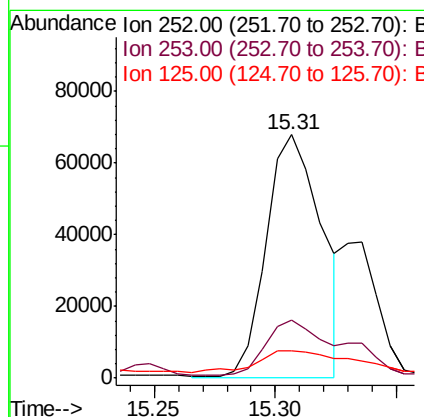
RT: 15.31 min Scan# 2205

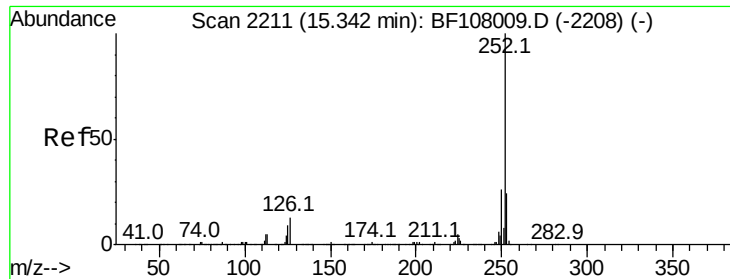
Delta R.T. 0.00 min

Lab File: BF108152.D

Acq: 14 Aug 2018 18:34

Tgt Ion:	252	Resp:	108618
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	11.5	9.0	13.6





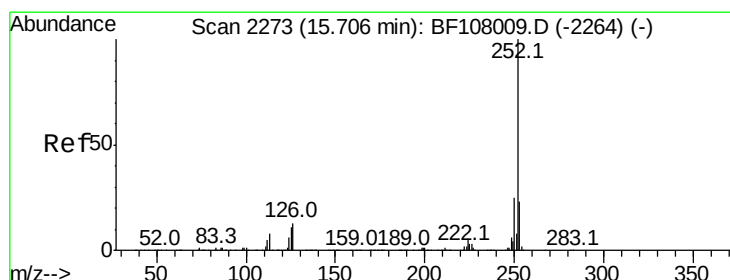
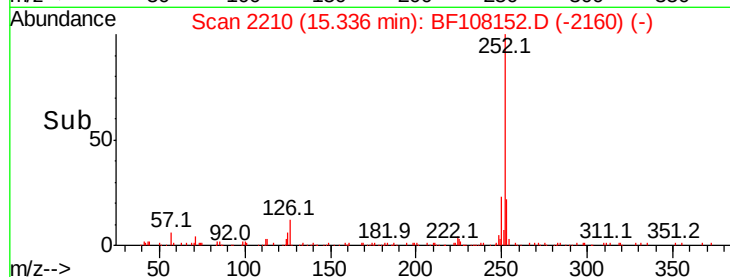
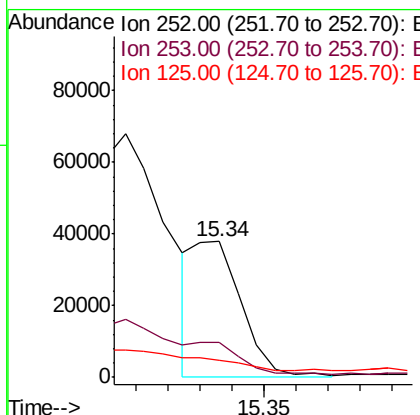
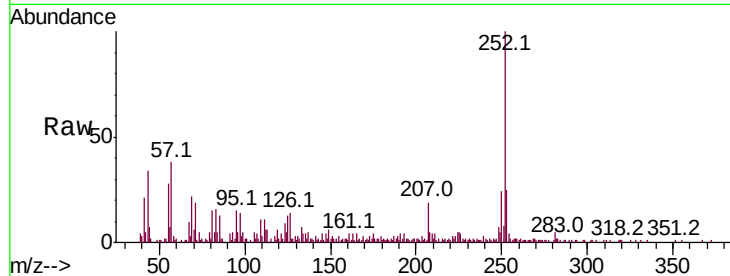
#88
Benzo(k)fluoranthene
Concen: 2.439 ng m
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	12.9	10.2	15.2

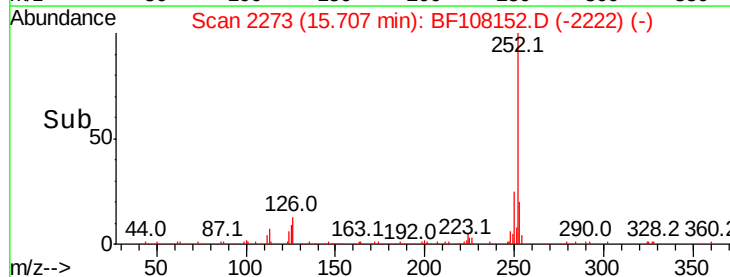
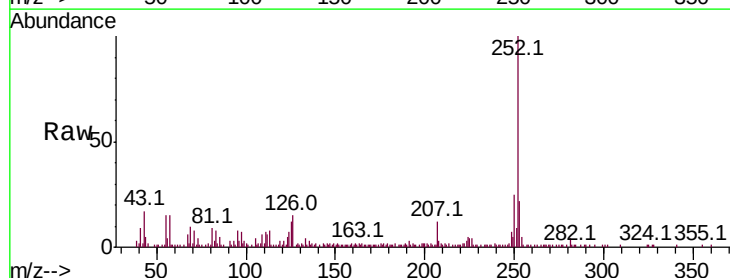
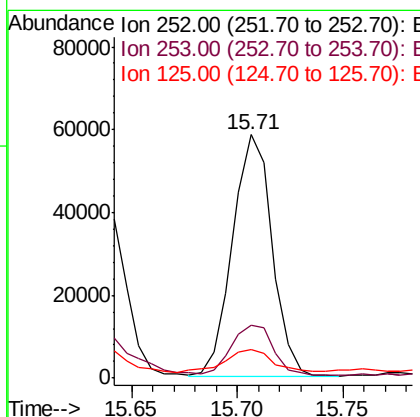
Manual Integrations
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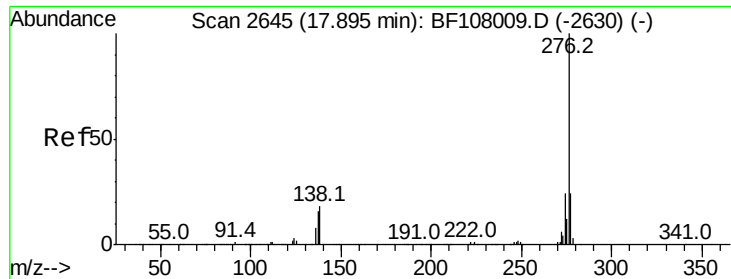
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#89
Benzo(a)pyrene
Concen: 4.761 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108152.D
Acq: 14 Aug 2018 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	11.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.682 ng
 RT: 17.88 min Scan# 2643
 Delta R.T. -0.01 min
 Lab File: BF108152.D
 Acq: 14 Aug 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 RA-081018-FL-011

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.5	17.9	26.9
138	19.7	21.8	32.8#

Manual Integrations
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 8/15/2018 3:38:44 PM

