

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108178.D
 Acq On : 15 Aug 2018 21:06
 Operator : JU/SJ
 Sample : J4460-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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 8/16/2018 5:27:06 PM

Quant Time: Aug 16 03:48:52 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	216805	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	819688	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	386556	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	621014	20.00	ng	0.00
75) Chrysene-d12	14.21	240	445159	20.00	ng	0.00
86) Perylene-d12	15.77	264	459987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1262499	105.43	ng	0.02
7) Phenol-d6	6.64	99	1696065	106.58	ng	0.01
23) Nitrobenzene-d5	7.58	82	1161481	79.07	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	356033	92.34	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1967260	81.71	ng	0.00
78) Terphenyl-d14	13.15	244	1463533	83.59	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	202239	7.511	ng	Qvalue # 99
70) Phenanthrene	11.58	178	267814	9.143	ng	98
71) Anthracene	11.63	178	75082	2.501	ng	98
74) Fluoranthene	12.78	202	302651	9.467	ng	94
77) Pyrene	13.01	202	260276	9.235	ng	98
80) Benzo(a)anthracene	14.20	228	148638	5.818	ng	98
82) Chrysene	14.24	228	117978	5.037	ng	96
85) Indeno(1,2,3-cd)pyrene	17.38	276	52769	2.600	ng	# 86
87) Benzo(b)fluoranthene	15.30	252	152088m	5.533	ng	
88) Benzo(k)fluoranthene	15.32	252	55978m	2.216	ng	
89) Benzo(a)pyrene	15.70	252	113818	4.624	ng	98
91) Benzo(a,h,i)perylene	17.88	276	44451	2.217	ng	92

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

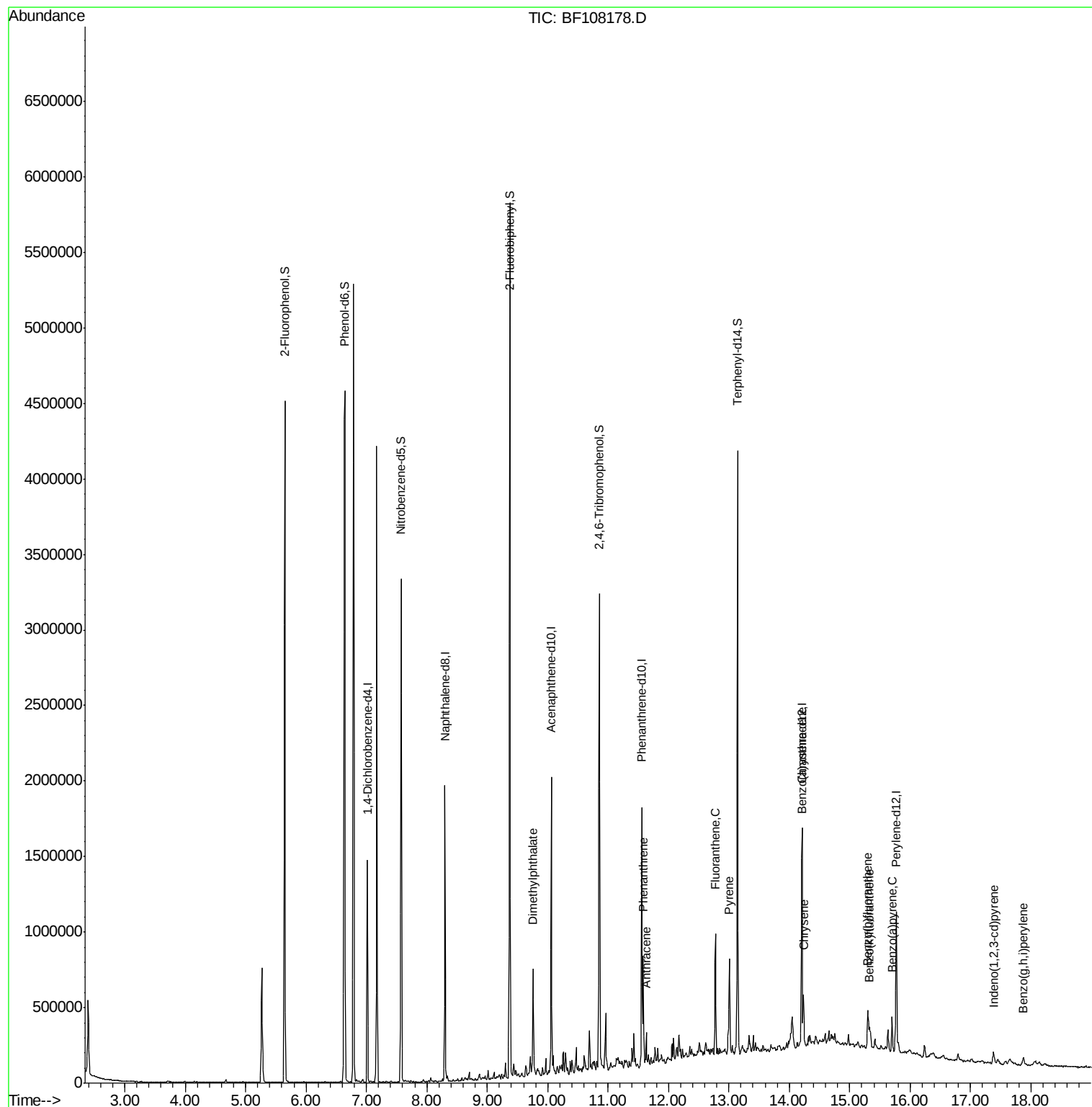
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108178.D
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Operator : JU/SJ
Sample : J4460-11
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Instrument :
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#1

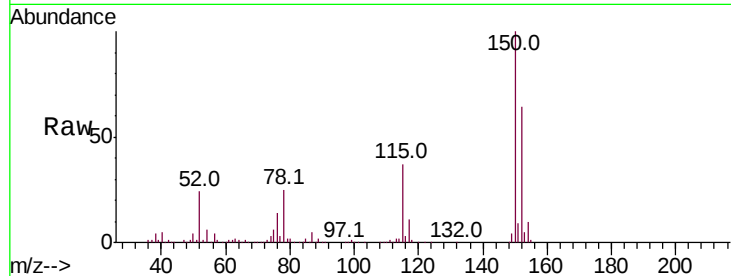
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	56.7	50.1	75.1

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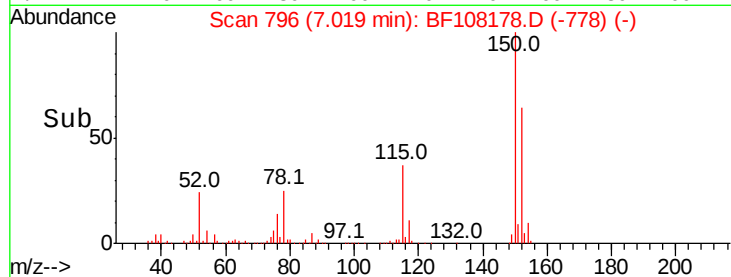
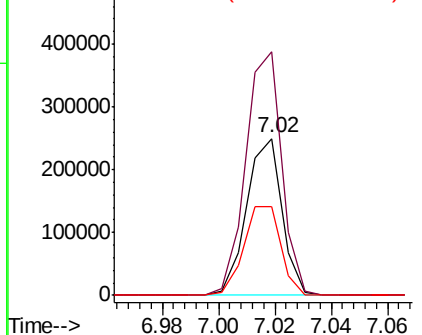


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

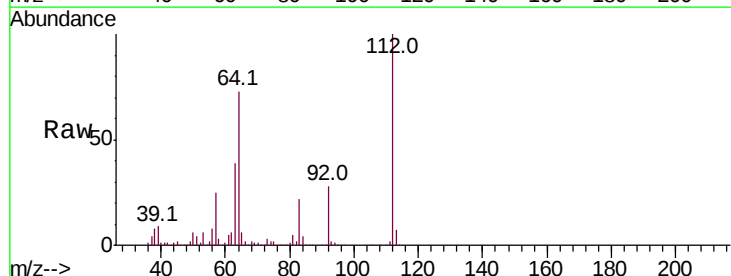
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.426 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	47.9	71.9#
63	38.6	23.7	35.5#

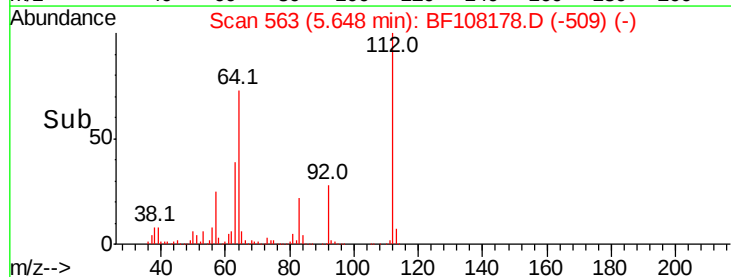
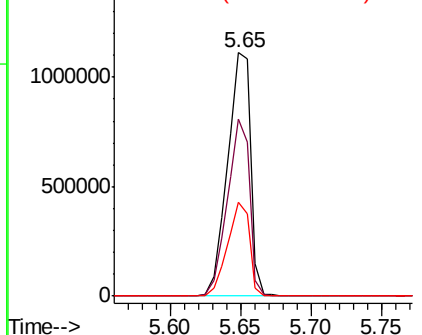


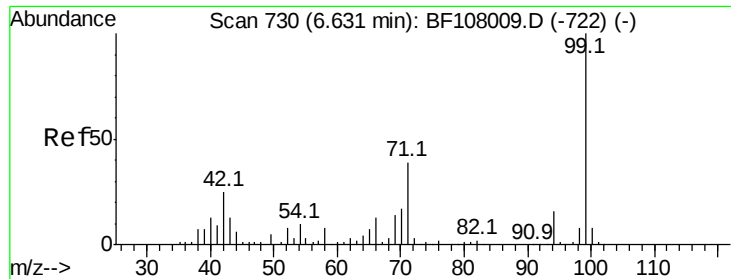
Abundance

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: 106.581 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108178.D

Acq: 15 Aug 2018 21:06

Instrument :

BNA_F

ClientSampleId :

RA-081018-FL-011

Tot Ion: 99 Resp: 1696065

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

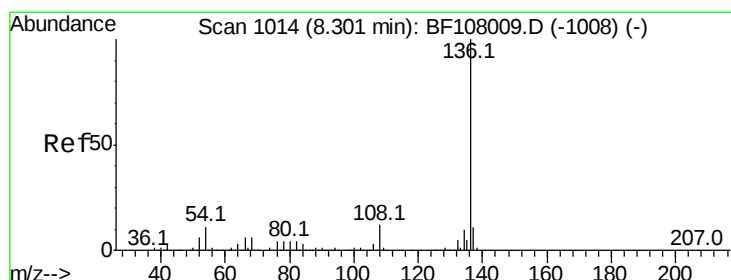
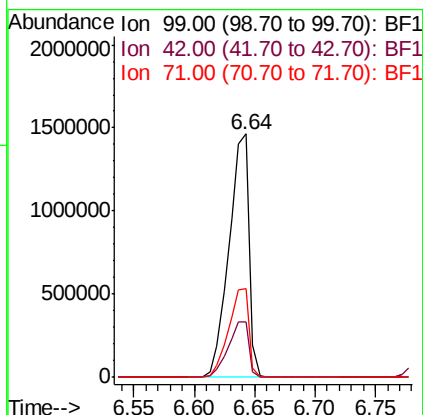
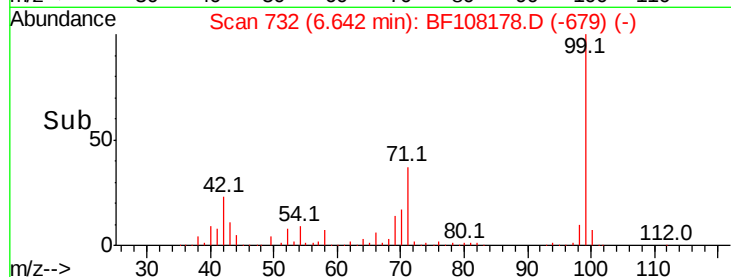
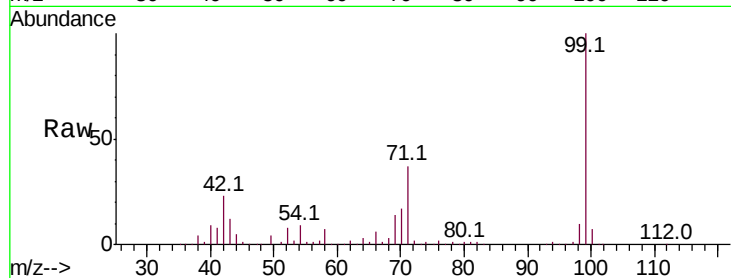
71 36.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108178.D

Acq: 15 Aug 2018 21:06

Tgt Ion: 136 Resp: 819688

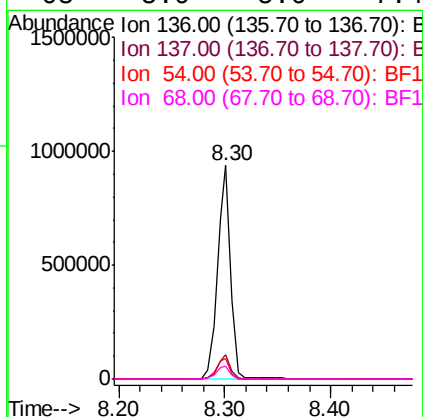
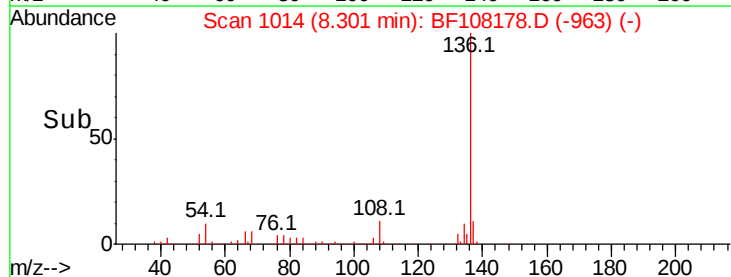
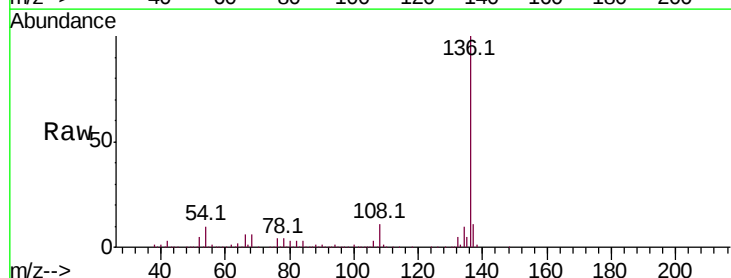
Ion Ratio Lower Upper

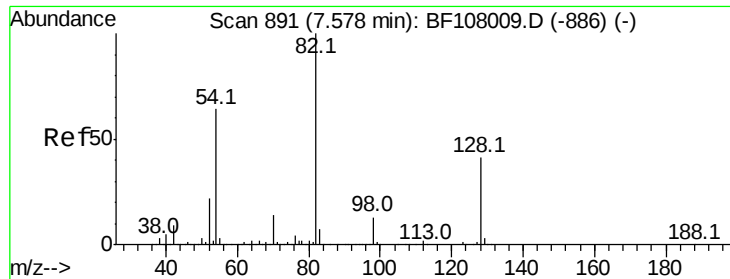
136 100

137 11.2 8.9 13.3

54 9.8 6.6 9.8

68 5.9 5.0 7.4





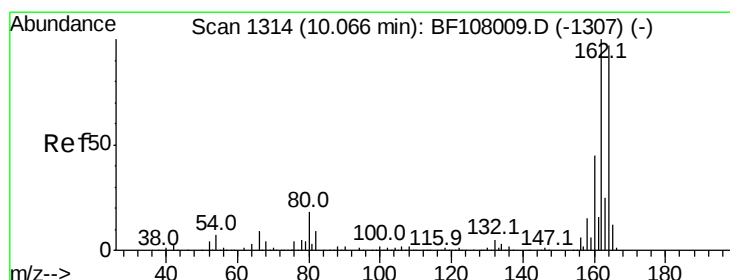
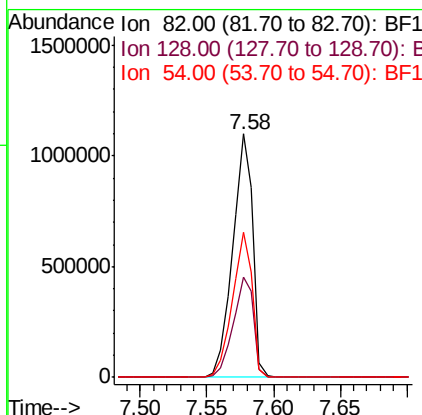
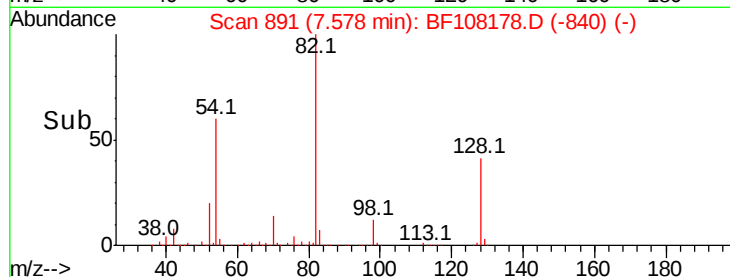
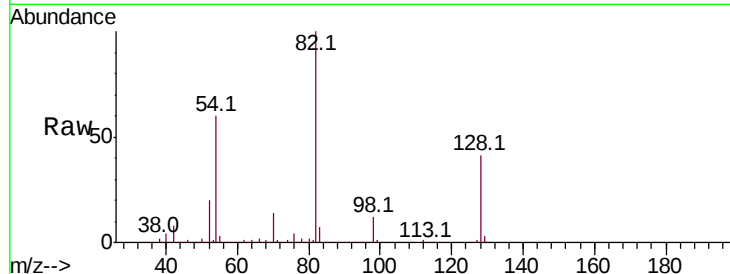
#23
 Nitrobenzene-d5
 Concen: 79.069 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108178.D
 Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	59.7	41.4	62.2

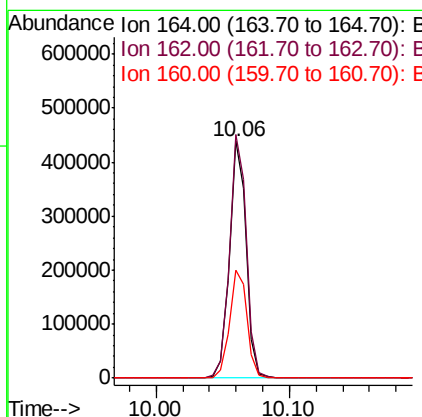
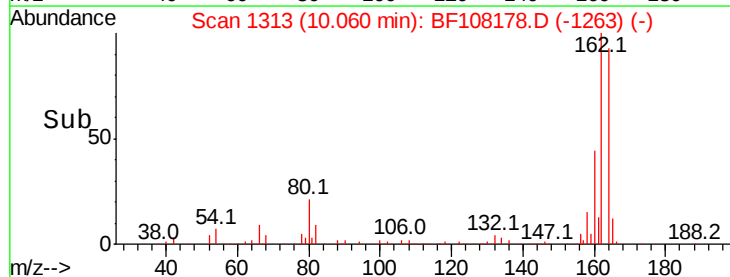
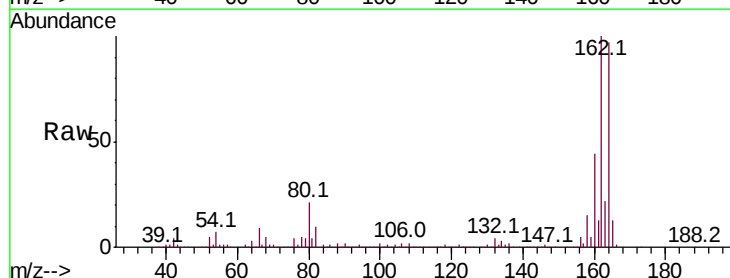
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108178.D
 Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	45.5	38.3	57.5





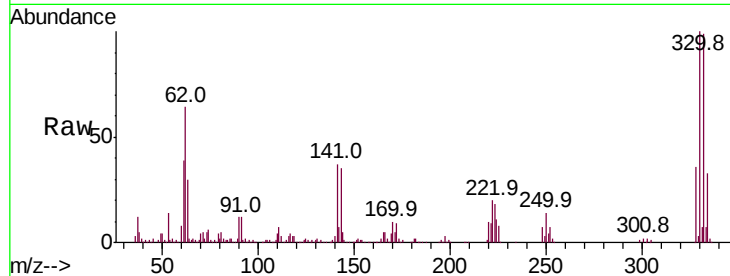
#41
 2,4,6-Tribromophenol
 Concen: 92.337 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108178.D
 Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	77.0	115.6	
141	33.8	29.9	44.9	

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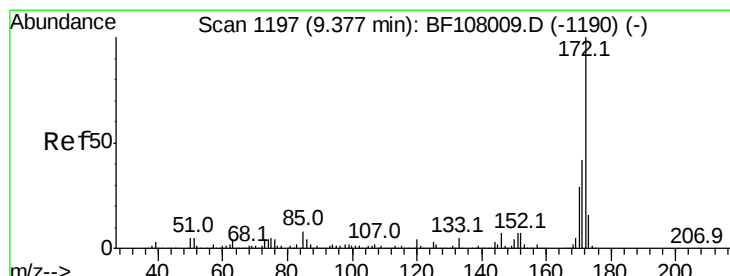
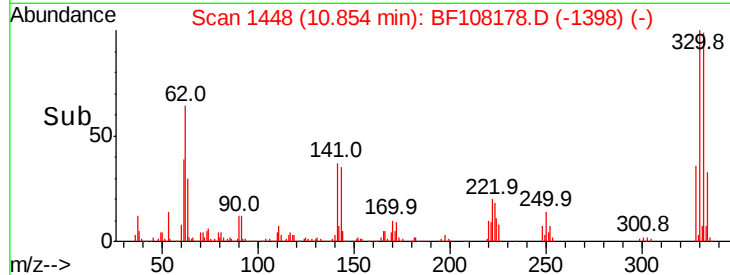
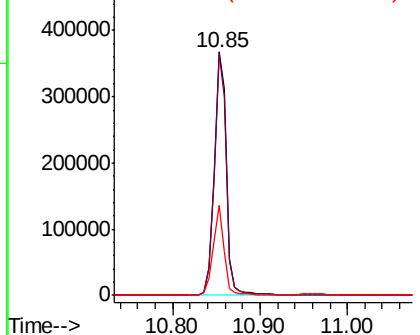


Abundance

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: 81.705 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108178.D
 Acq: 15 Aug 2018 21:06

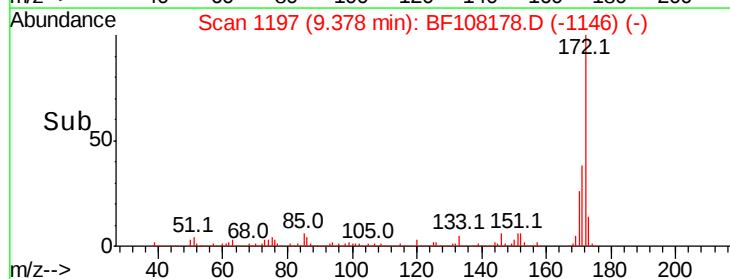
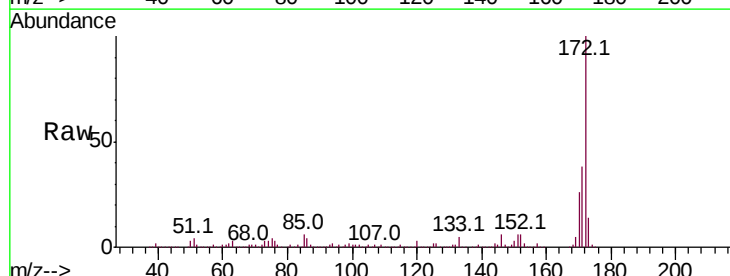
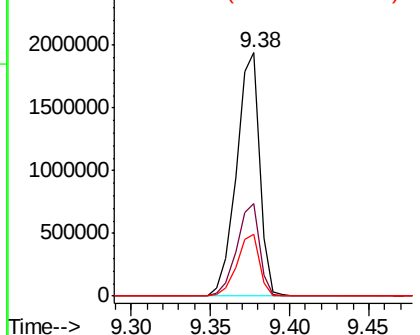
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.9	29.7	44.5	
170	25.6	19.6	29.4	

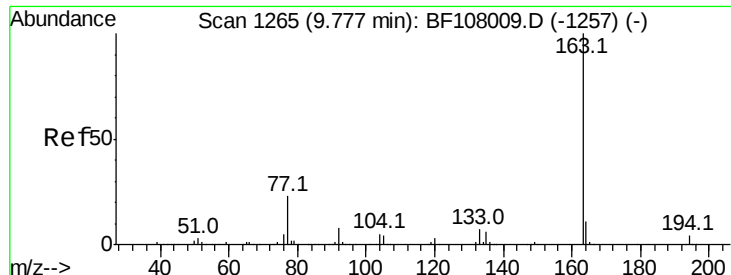
Abundance

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





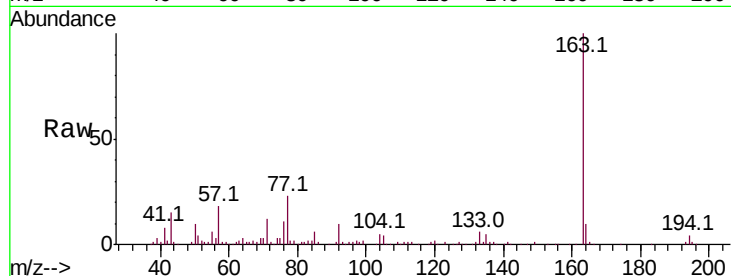
#49
Dimethylphthalate
Concen: 7.511 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

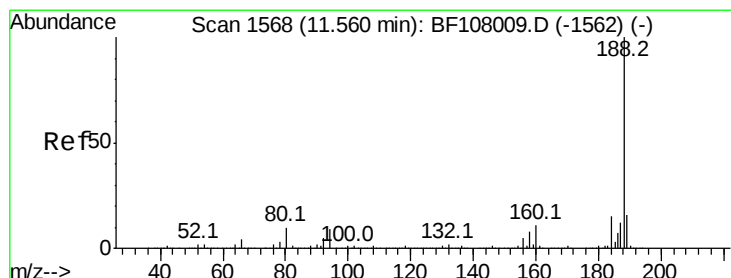
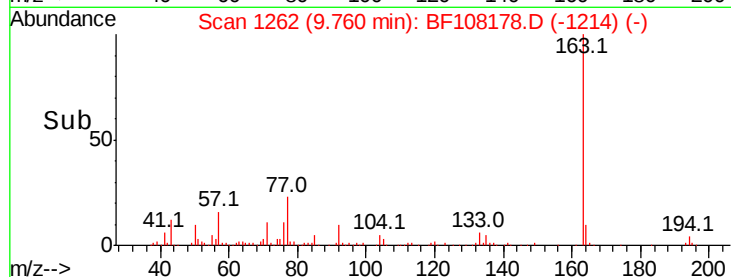
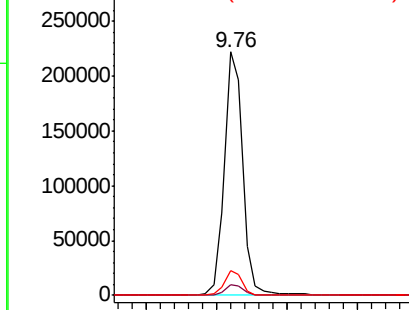
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.1	8.2	12.2	

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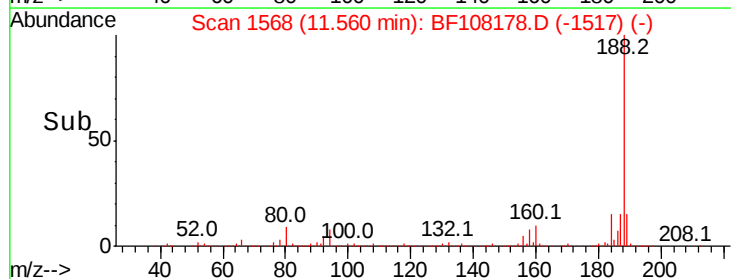
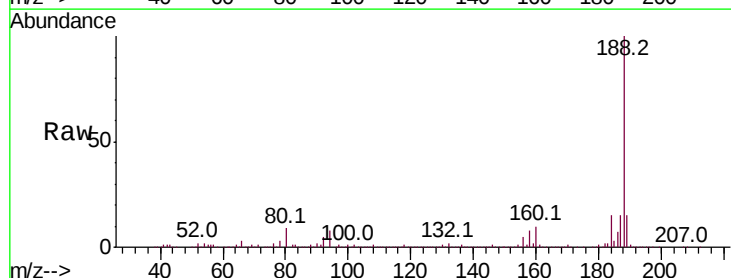
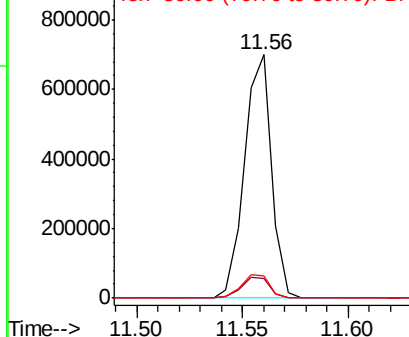
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

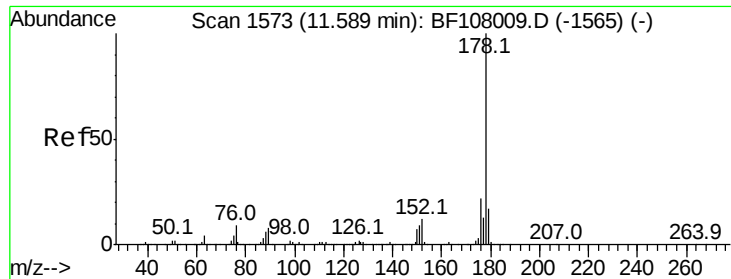


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.0	8.5	12.7#	
80	8.9	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





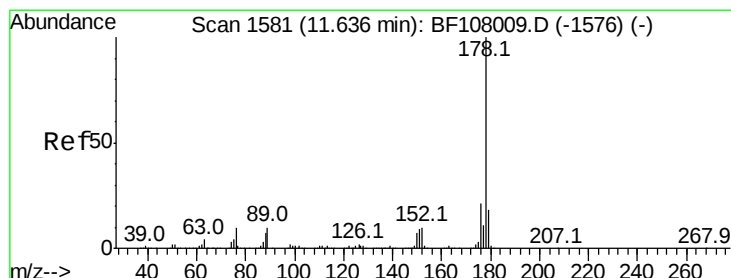
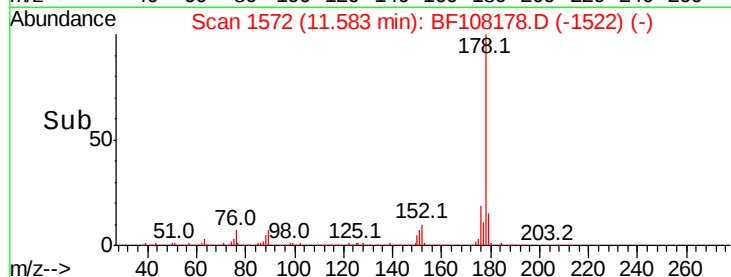
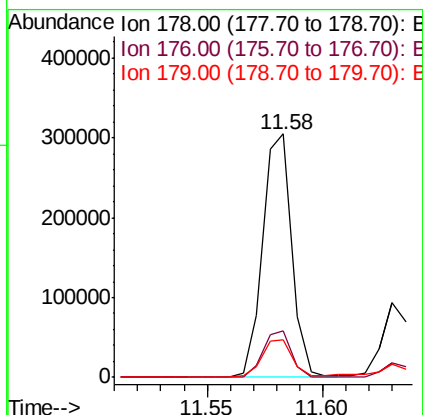
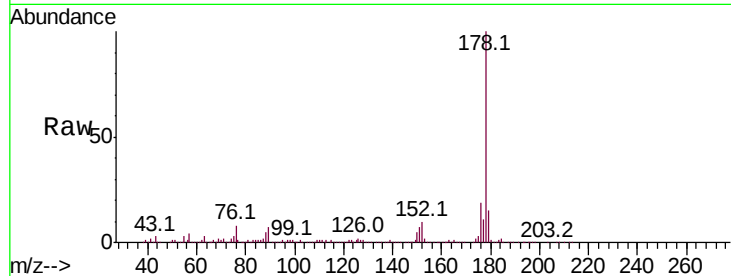
#70
Phenanthrene
Concen: 9.143 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

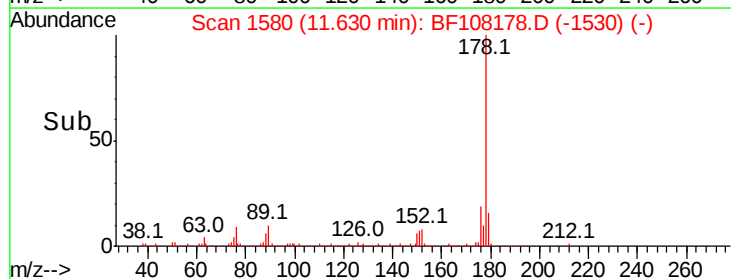
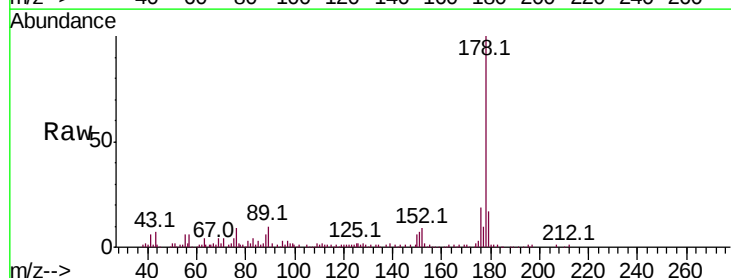
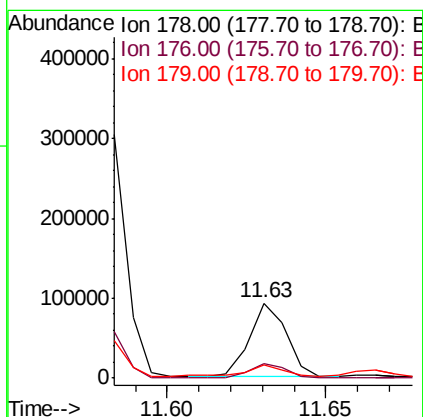
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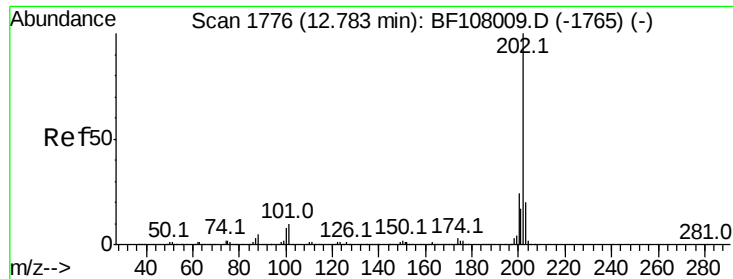
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#71
Anthracene
Concen: 2.501 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.9	12.6	19.0





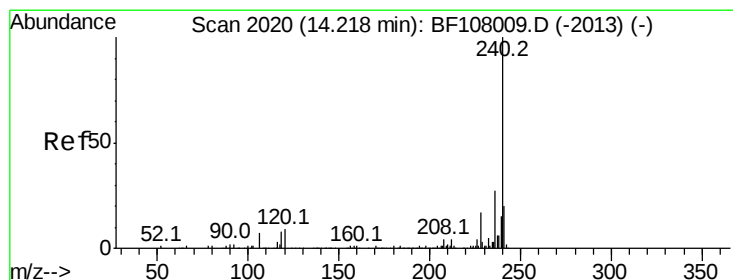
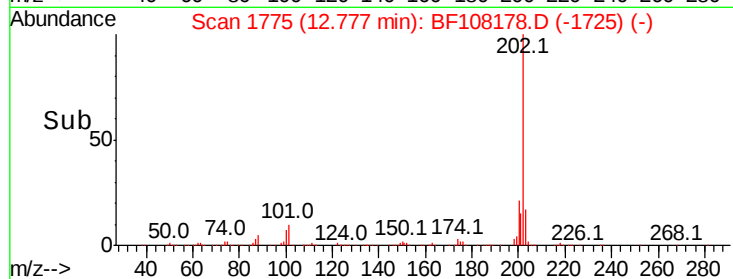
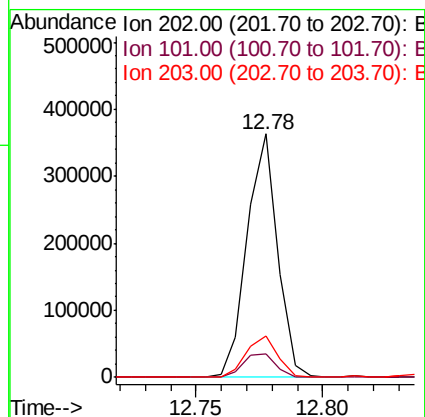
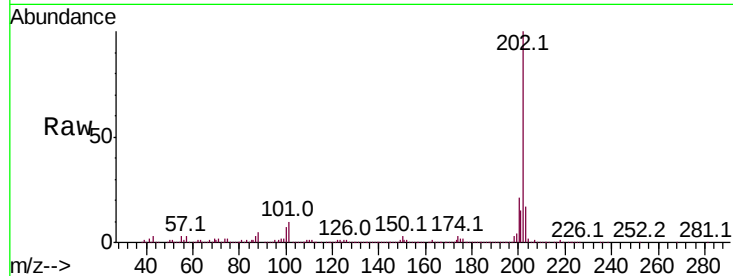
#74
Fluoranthene
Concen: 9.467 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.0	0.0	38.1

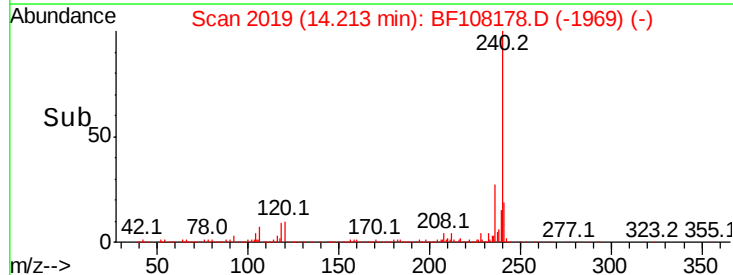
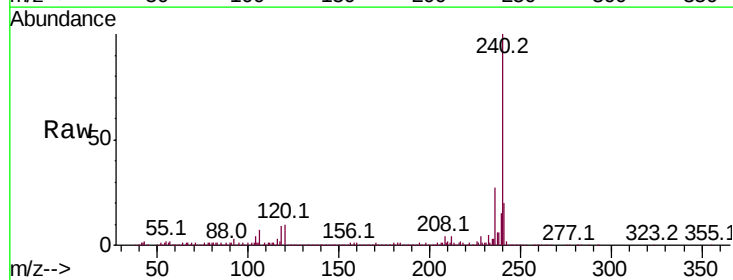
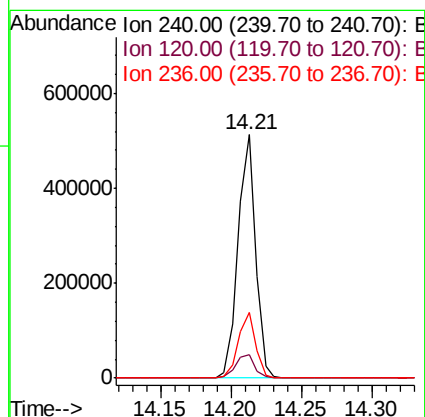
Manual Integrations
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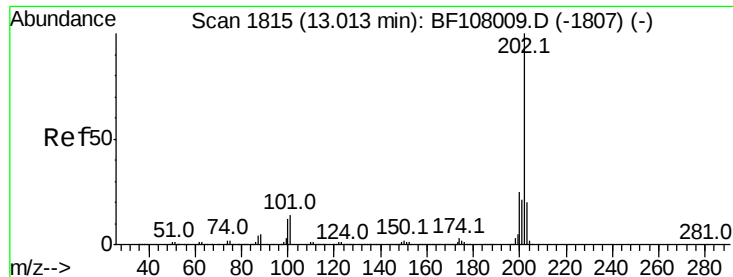
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.7	9.5	14.3
236	27.0	20.7	31.1





#77

Pvrene

Concen: 9.235 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108178.D

Acq: 15 Aug 2018 21:06

Instrument :

BNA_F

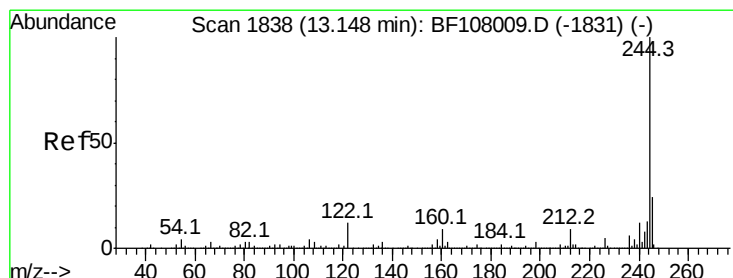
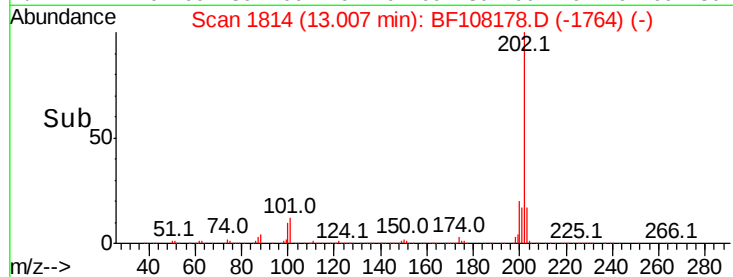
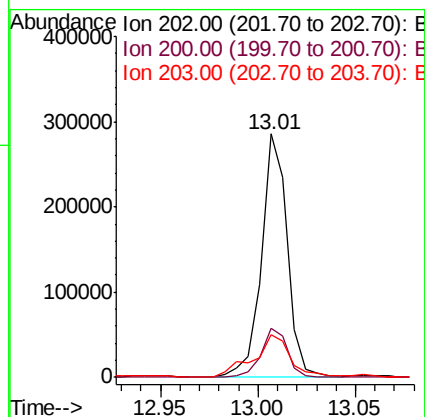
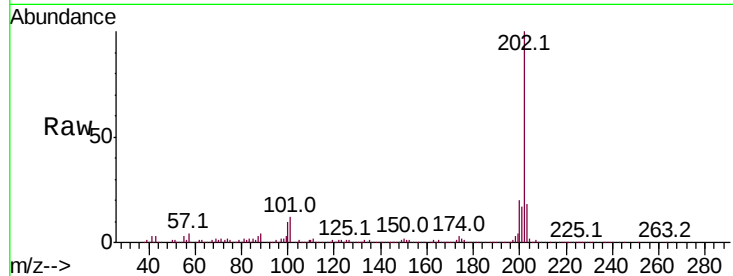
ClientSampleId :

RA-081018-FL-011

Tot Ion:	202	Resp:	260276
Ion Ratio		Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 83.591 ng

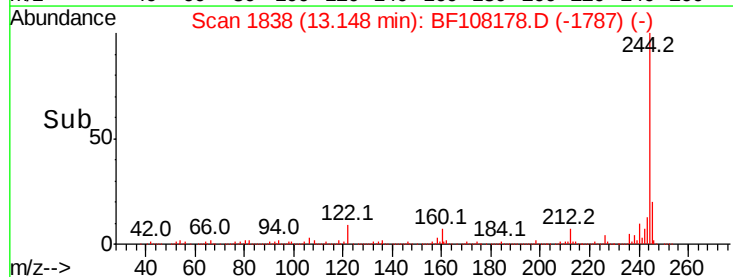
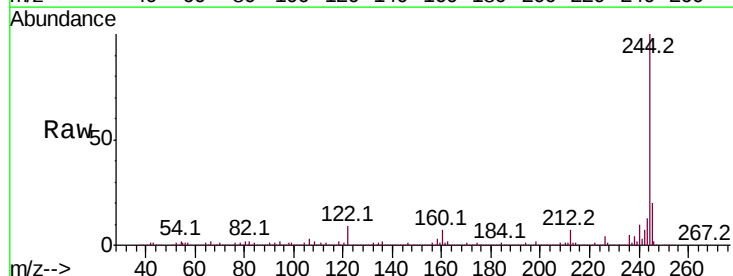
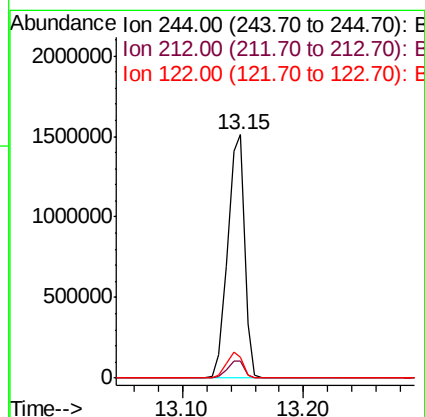
RT: 13.15 min Scan# 1838

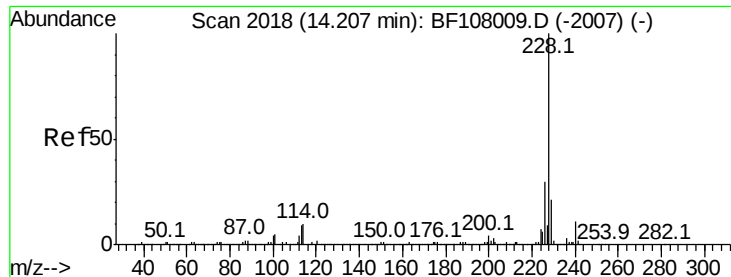
Delta R.T. 0.00 min

Lab File: BF108178.D

Acq: 15 Aug 2018 21:06

Tgt Ion:	244	Resp:	1463533
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	8.8	11.0	16.4#





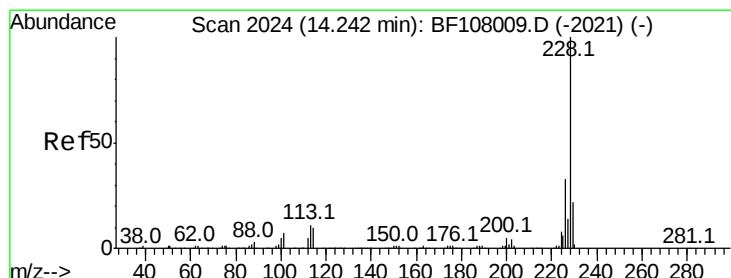
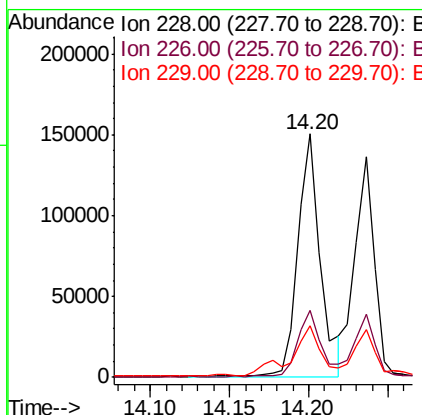
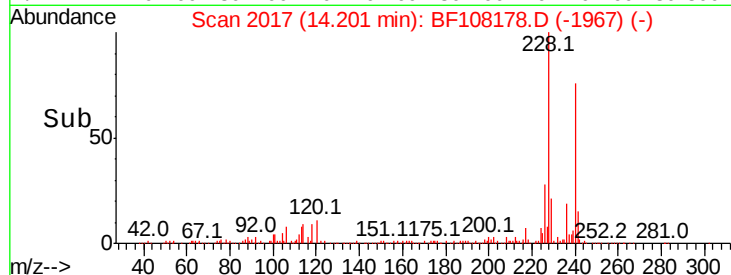
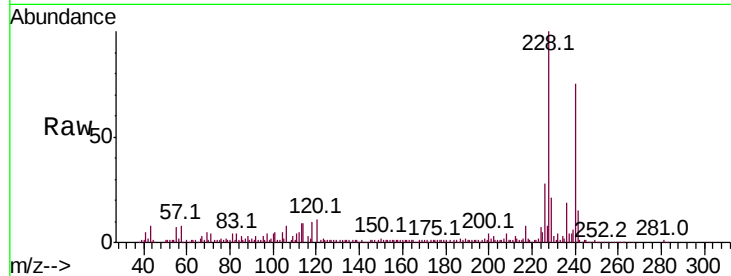
#80
Benzo(a)anthracene
Concen: 5.818 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion:	228	Resp:	148638
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	21.1	15.8	23.6

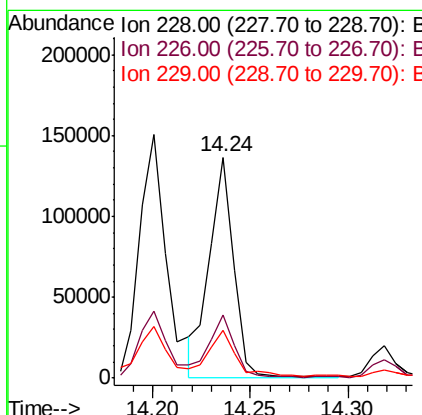
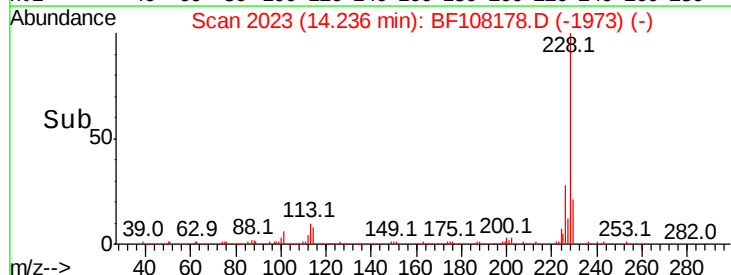
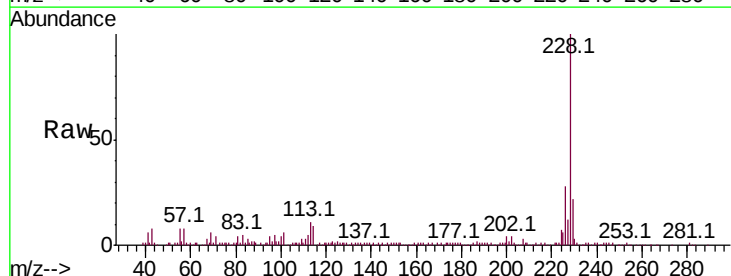
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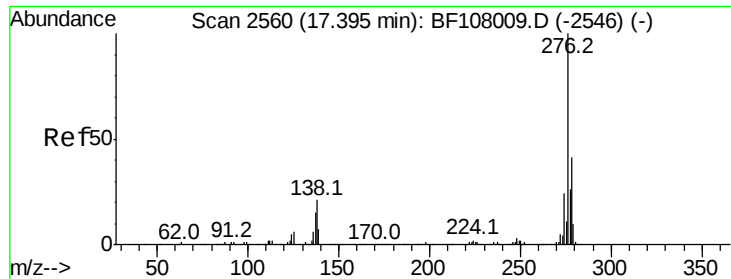
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#82
Chrysene
Concen: 5.037 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion:	228	Resp:	117978
Ion Ratio	Lower	Upper	
228	100		
226	28.4	25.0	37.6
229	21.7	16.2	24.4





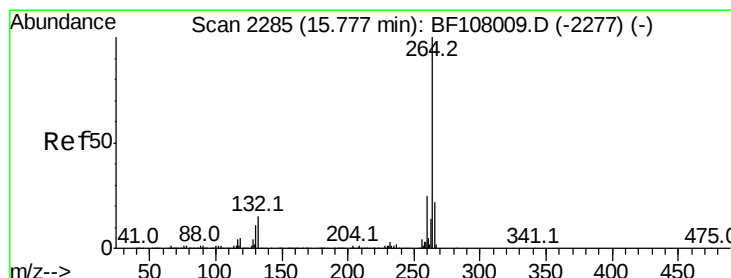
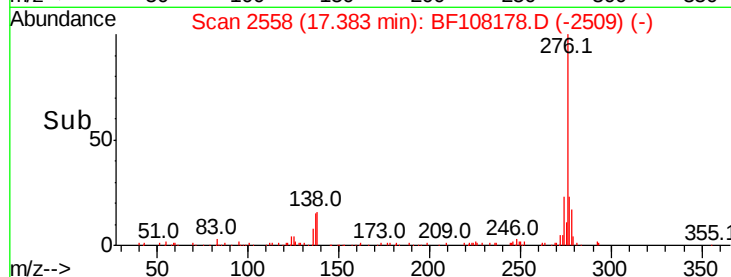
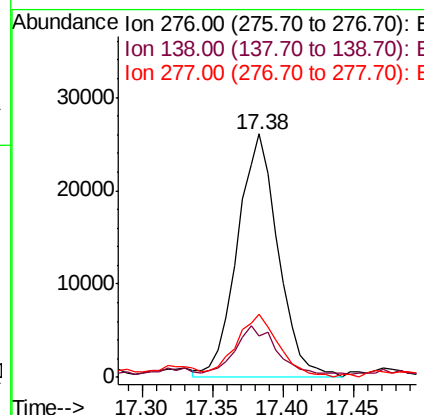
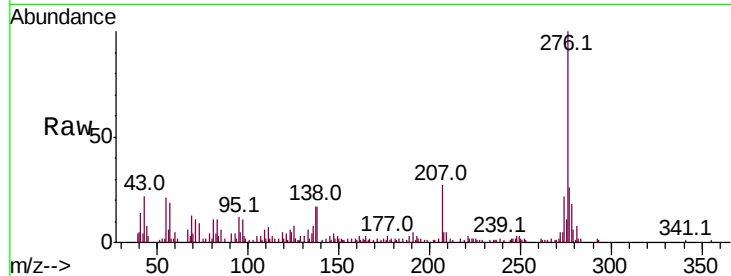
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.600 ng
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.0	37.6#
277	27.2	20.1	30.1

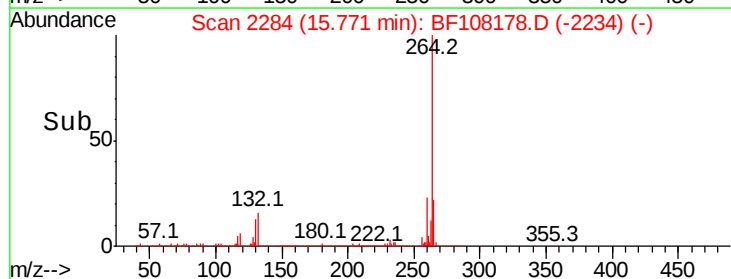
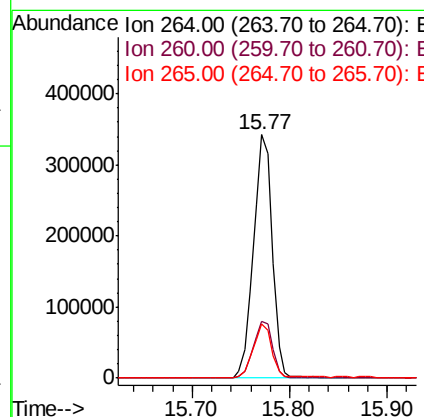
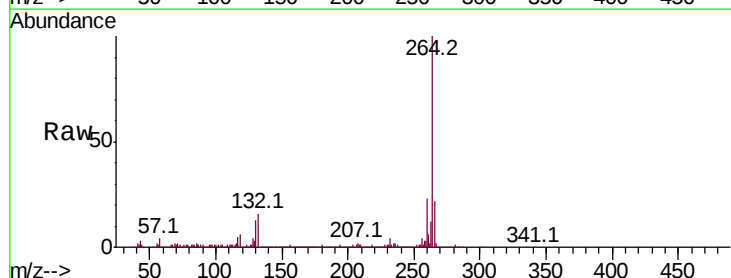
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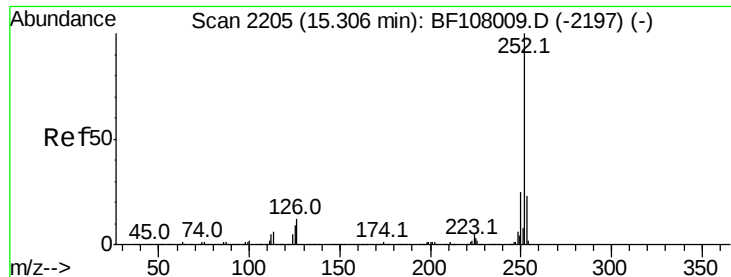
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3





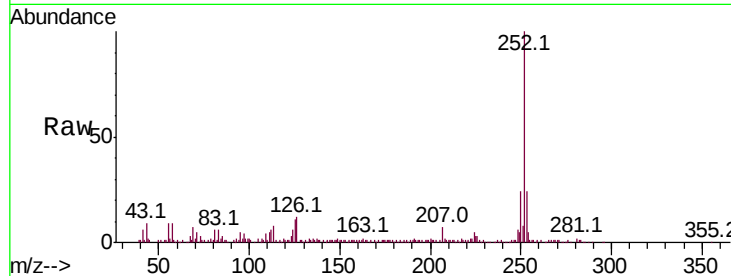
#87
Benzo(b)fluoranthene
Concen: 5.533 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

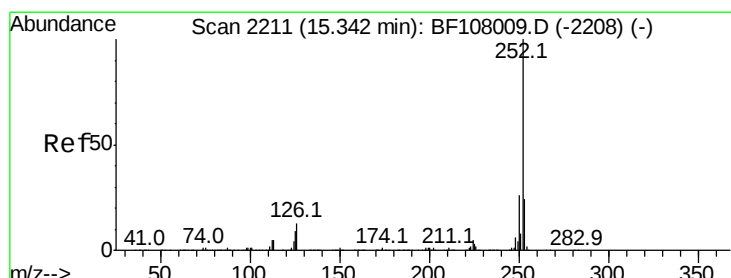
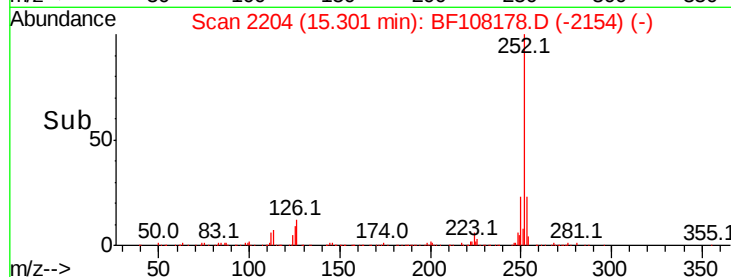
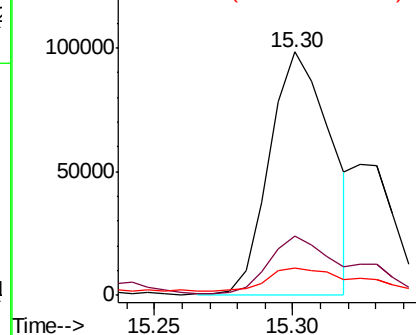
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	11.0	9.0	13.6

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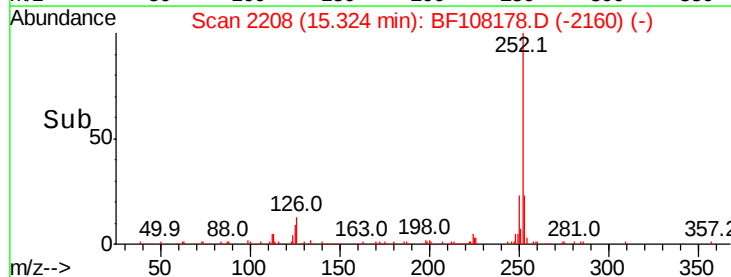
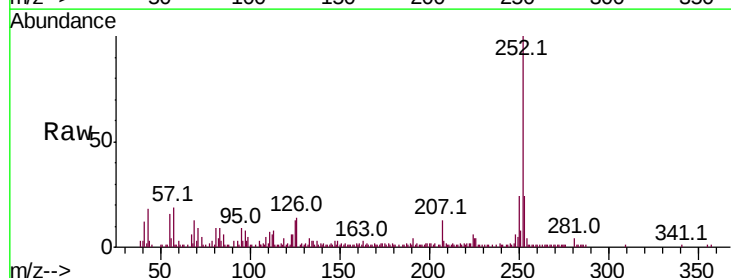
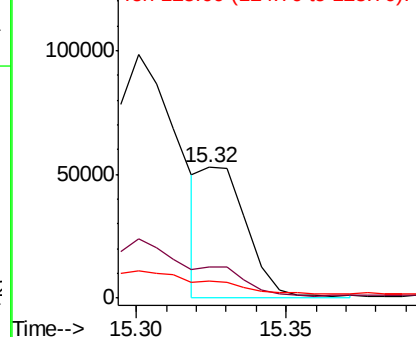
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

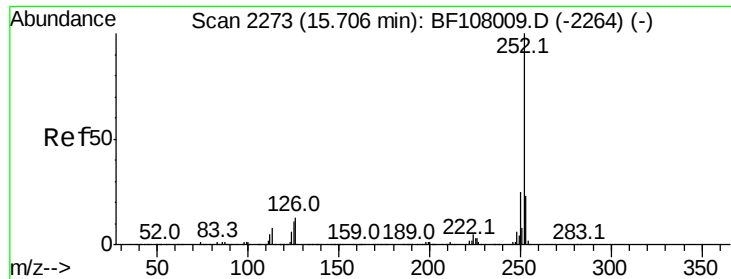


#88
Benzo(k)fluoranthene
Concen: 2.216 ng m
RT: 15.32 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	13.2	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





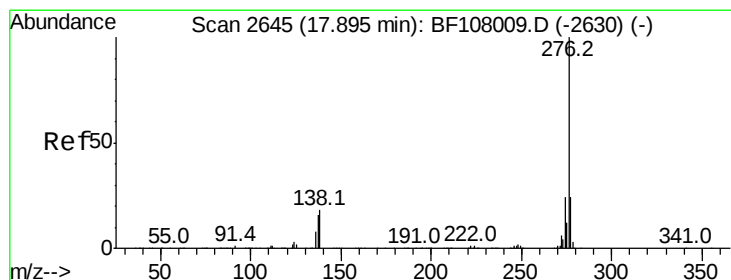
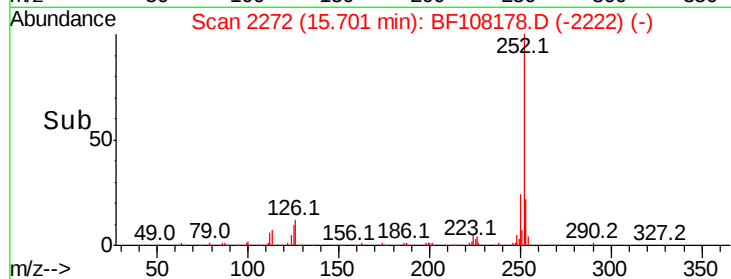
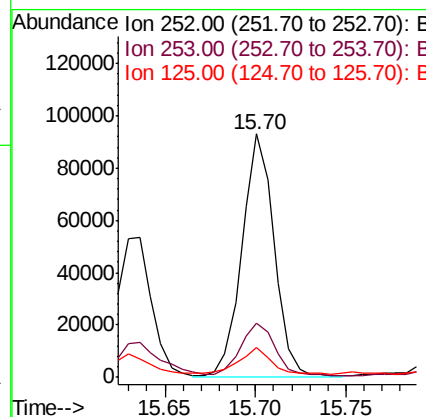
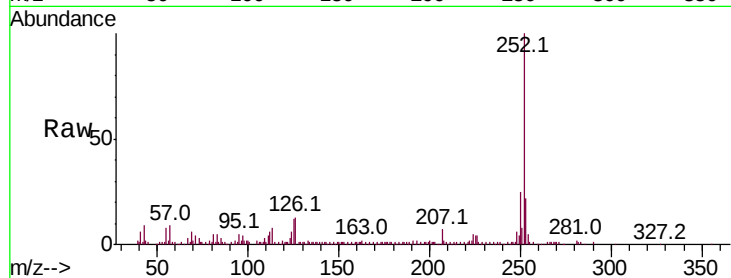
#89
Benzo(a)pyrene
Concen: 4.624 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.217 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.02 min
Lab File: BF108178.D
Acq: 15 Aug 2018 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	22.6	21.8	32.8

