

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108359.D
 Acq On : 22 Aug 2018 1:15
 Operator : JU/SJ
 Sample : J4275-13 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-C

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Quant Time: Aug 22 02:01:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	166366	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	624726	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	279653	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	456526	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	371501	20.00	ng	-0.02
86) Perylene-d12	15.75	264	312574	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	94750	10.31	ng	-0.01
7) Phenol-d6	6.61	99	127542	10.44	ng	-0.02
23) Nitrobenzene-d5	7.56	82	78096	6.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	23407	8.39	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	156993	9.01	ng	-0.02
78) Terphenyl-d14	13.12	244	118509	8.11	ng	-0.02
Target Compounds						
70) Phenanthrene	11.57	178	234268	10.880	ng	99
71) Anthracene	11.62	178	66999	3.036	ng	96
74) Fluoranthene	12.77	202	356376	15.165	ng	94
77) Pyrene	13.00	202	354567	15.075	ng	99
80) Benzo(a)anthracene	14.19	228	180062	8.446	ng	97
82) Chrysene	14.22	228	164777	8.430	ng	99
87) Benzo(b)fluoranthene	15.29	252	170730m	9.141	ng	
88) Benzo(k)fluoranthene	15.31	252	50995m	2.970	ng	
89) Benzo(a)pyrene	15.68	252	116084	6.941	ng	97
91) Benzo(g,h,i)perylene	17.85	276	50996	3.742	ng	# 90

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

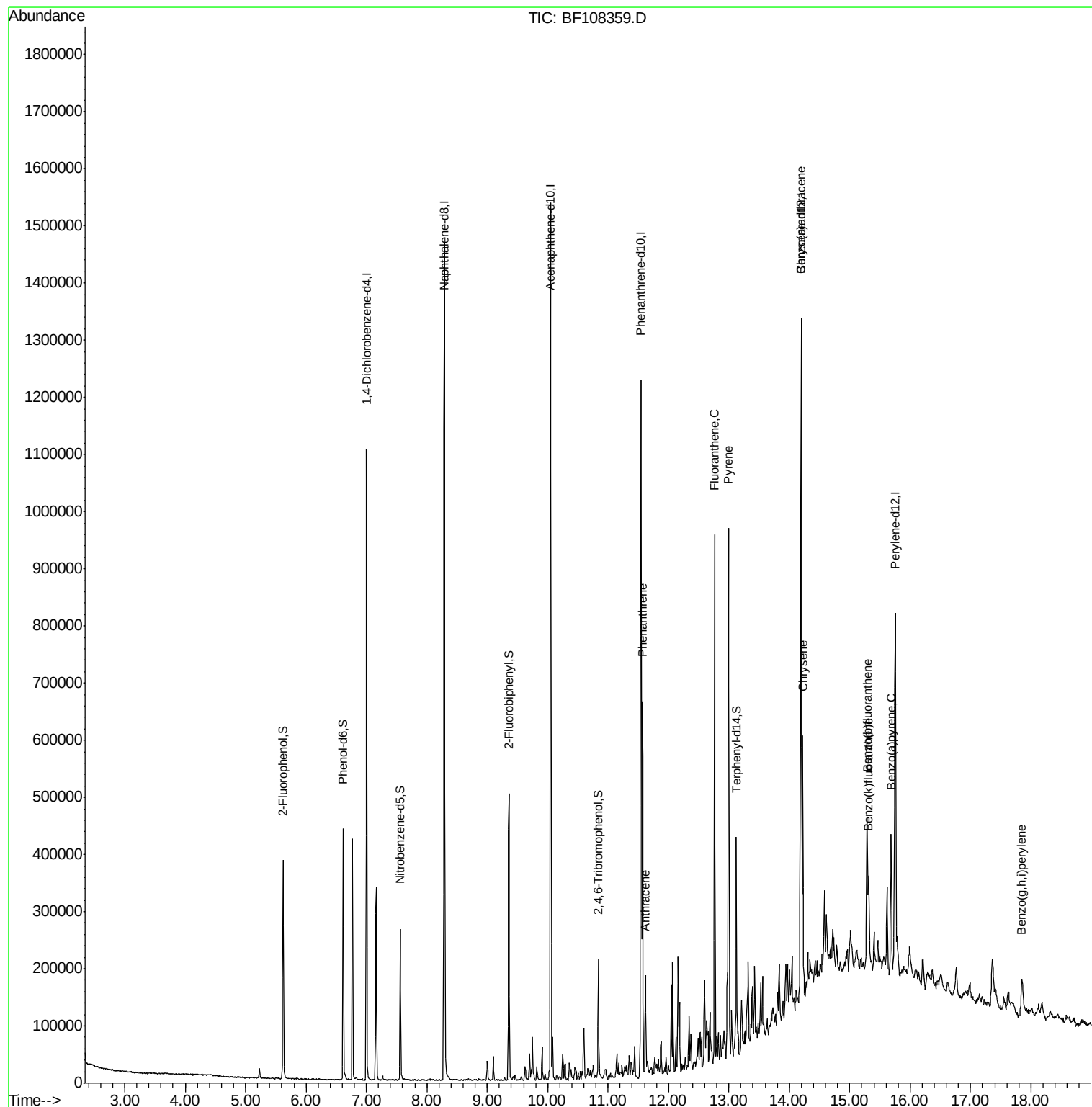
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108359.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

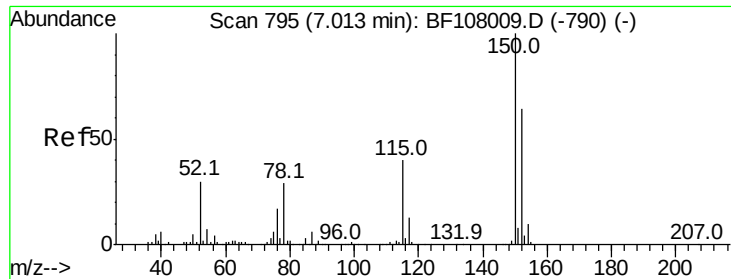
Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

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#1

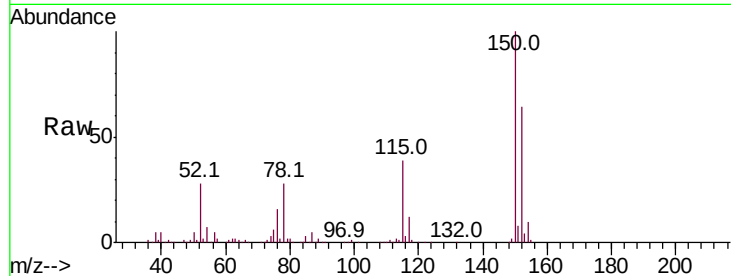
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampled :
CL-01-082018-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.4	50.1	75.1

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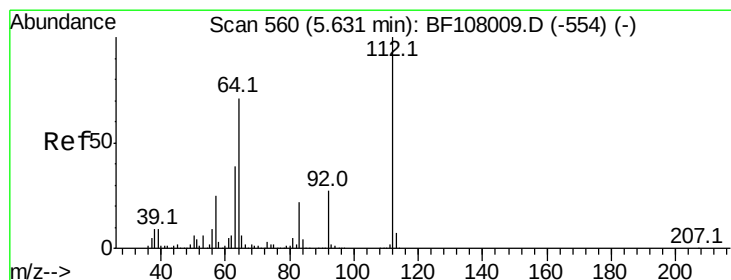
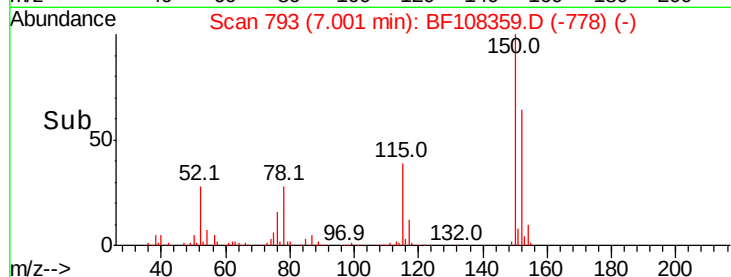
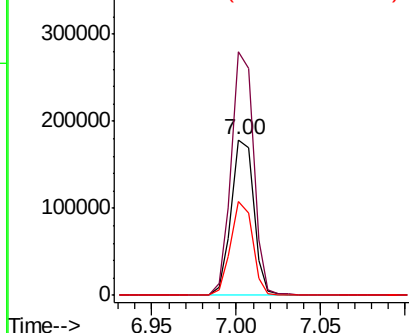


Abundance

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: 10.311 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

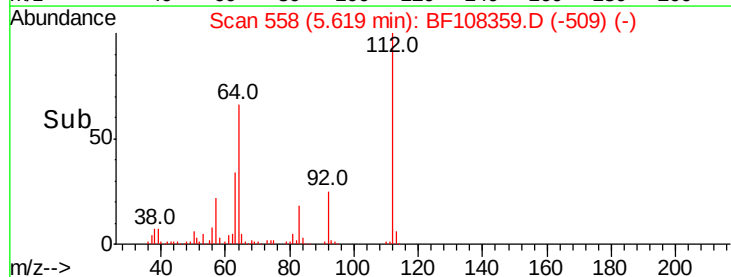
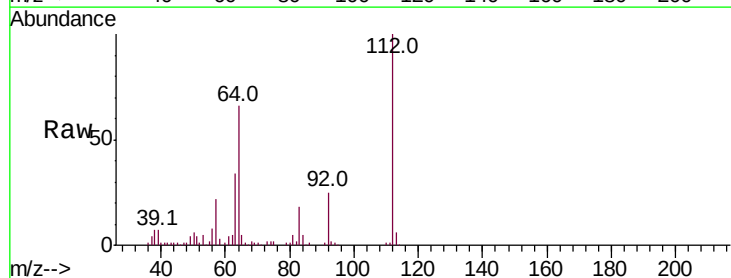
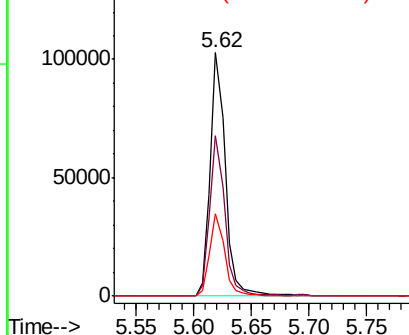
Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	47.9	71.9
63	33.6	23.7	35.5

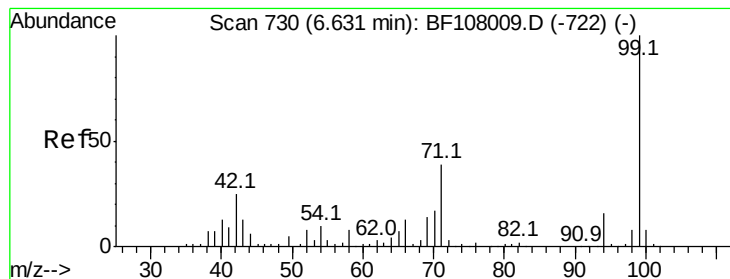
Abundance

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: 10.445 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

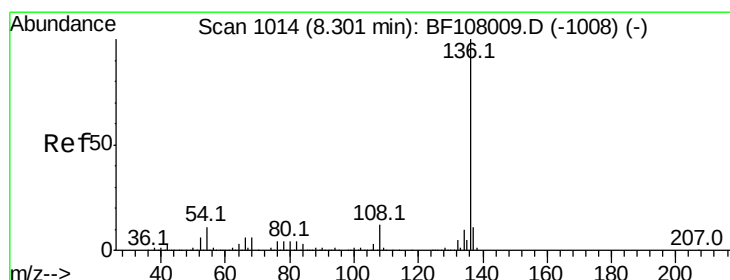
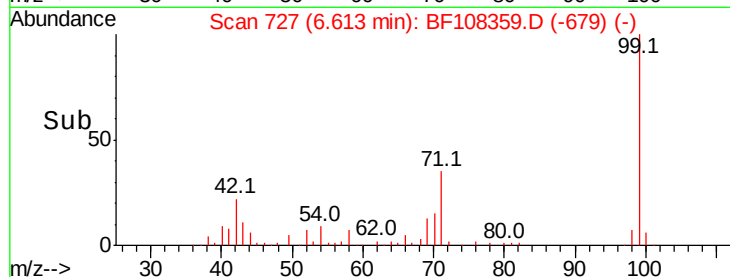
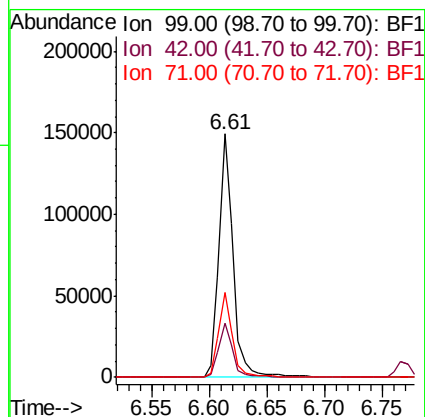
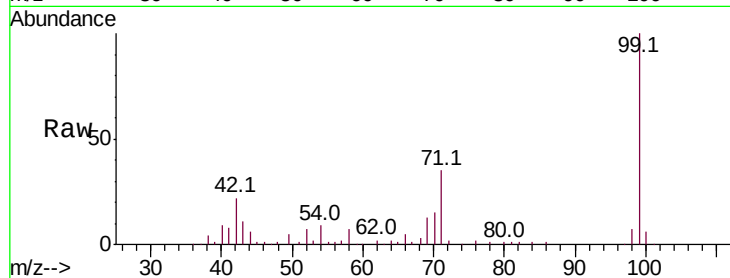
ClientSampleId :

CL-01-082018-C

Tot Ion	Ratio	Lower	Upper
99	100		
42	22.4	14.5	21.7#
71	35.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

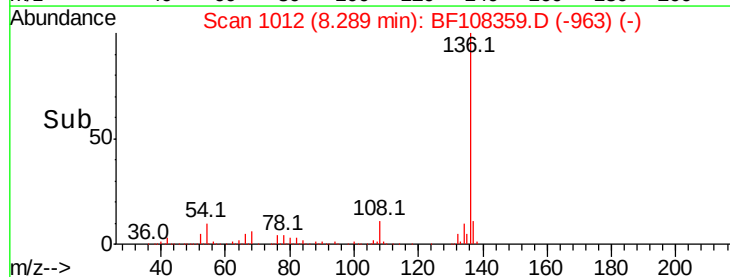
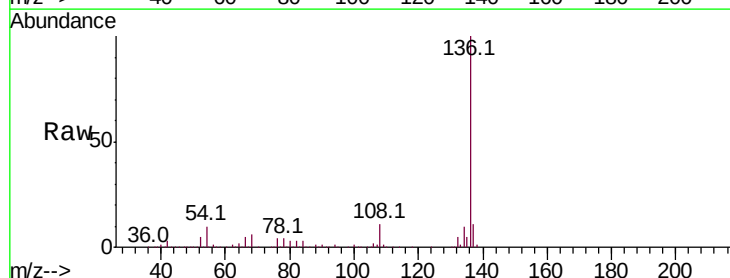
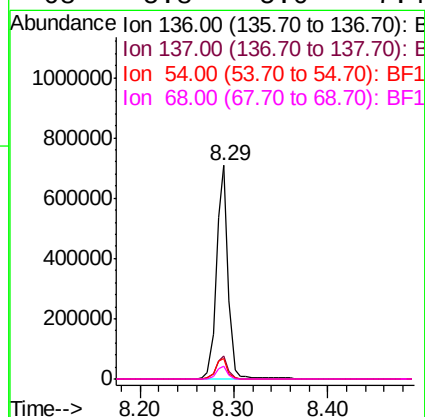
RT: 8.29 min Scan# 1012

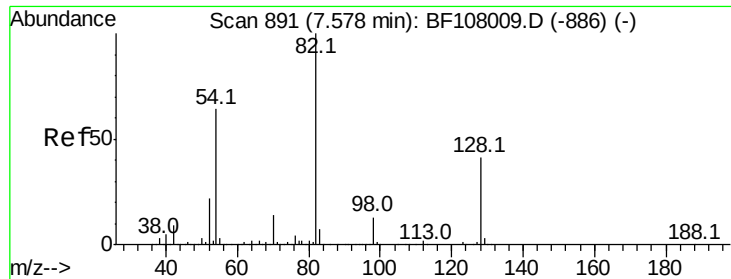
Delta R.T. -0.01 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.6	6.6	9.8
68	5.8	5.0	7.4





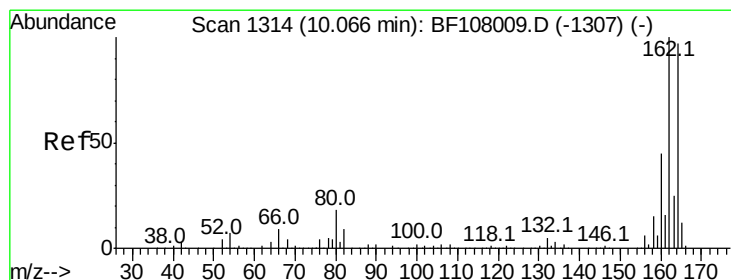
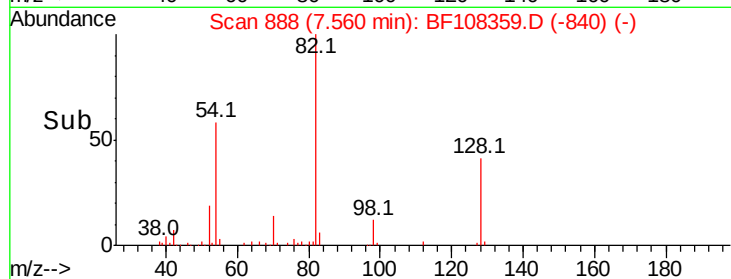
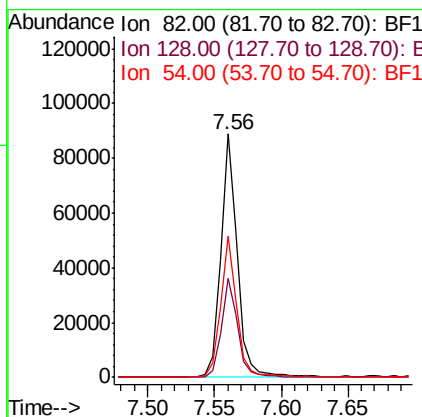
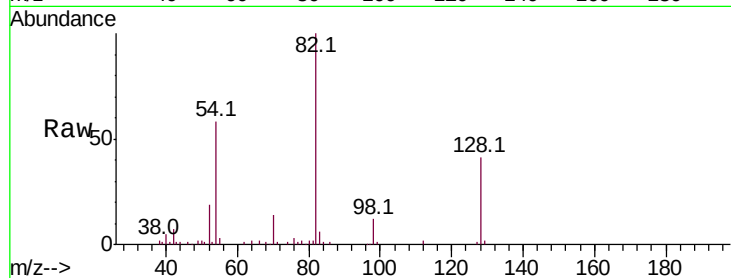
#23
 Nitrobenzene-d5
 Concen: 6.976 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	57.9	41.4	62.2

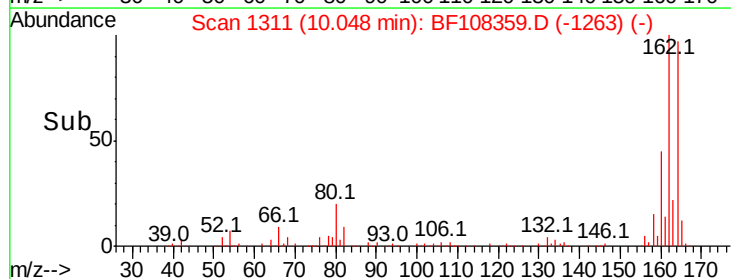
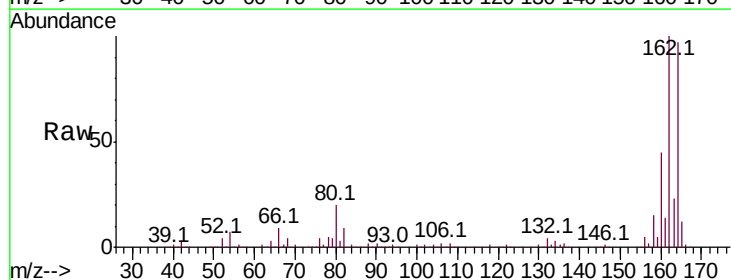
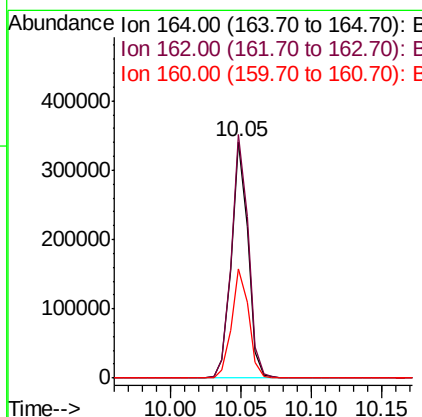
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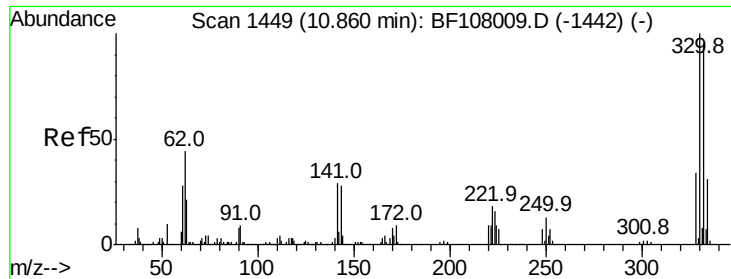
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 8.391 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

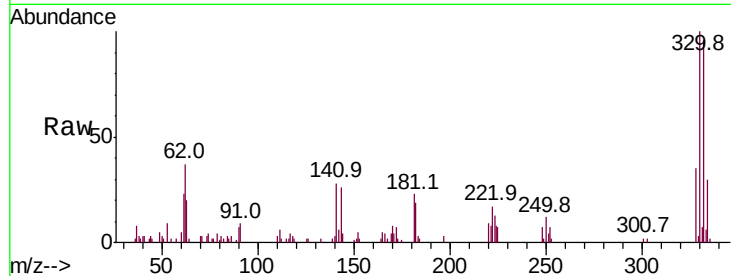
ClientSampleId :

CL-01-082018-C

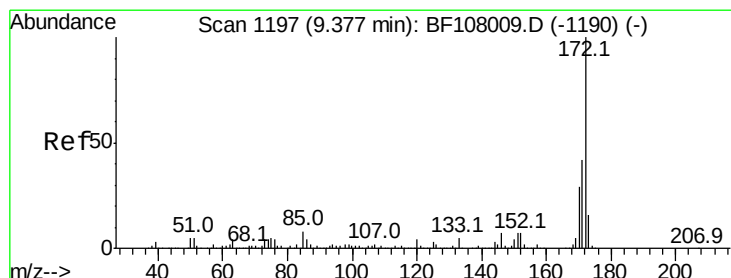
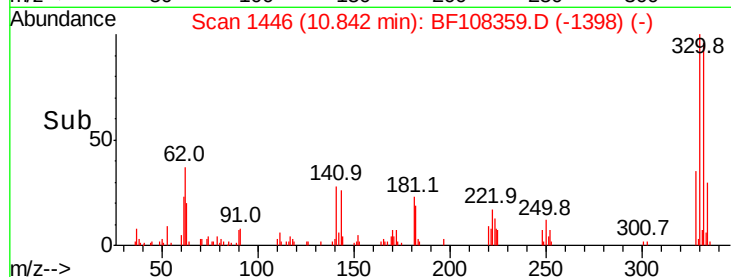
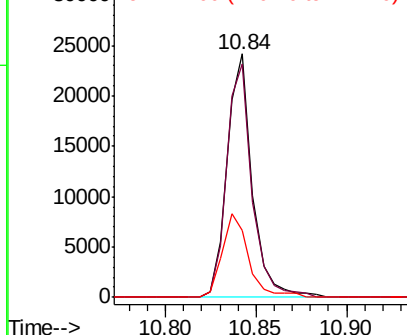
Tot Ion:	330	Resp:	23407
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	35.8	29.9	44.9

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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: 9.013 ng

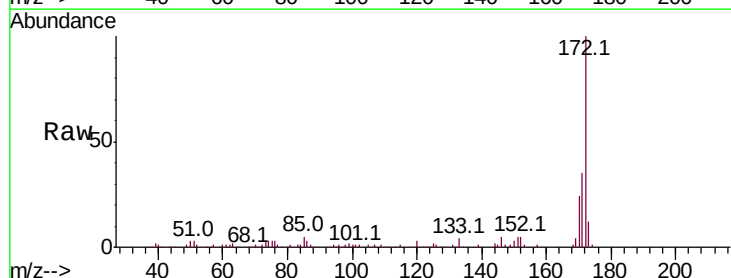
RT: 9.36 min Scan# 1194

Delta R.T. -0.02 min

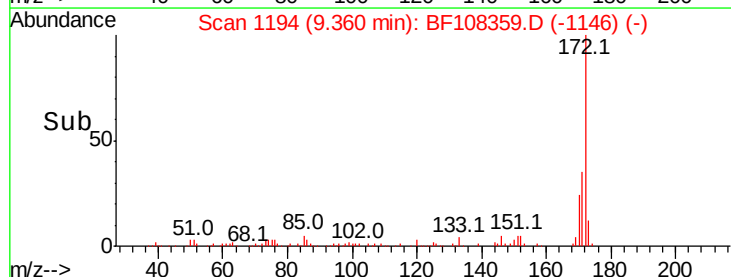
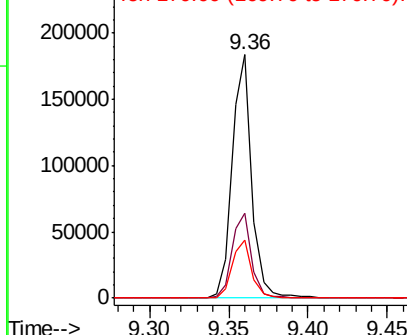
Lab File: BF108359.D

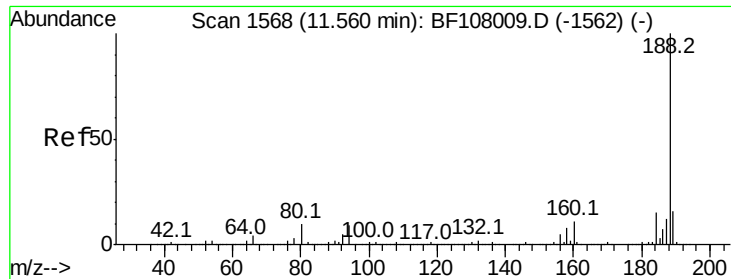
Acq: 22 Aug 2018 1:15

Tgt Ion:	172	Resp:	156993
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.8	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





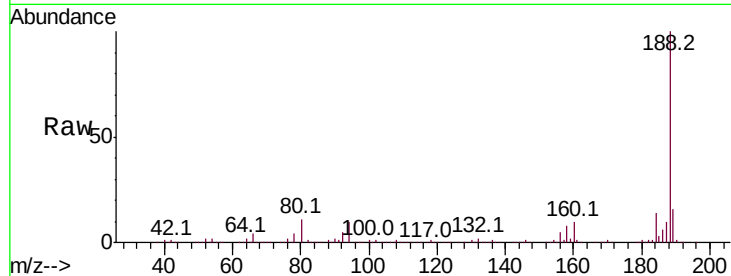
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

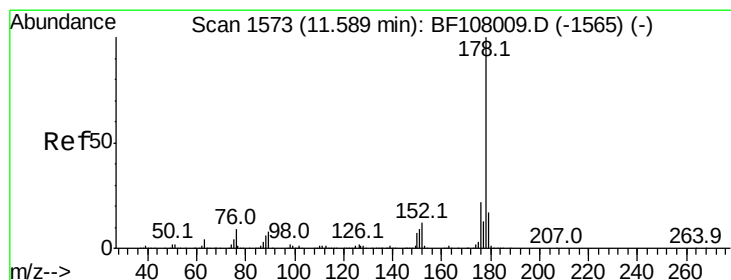
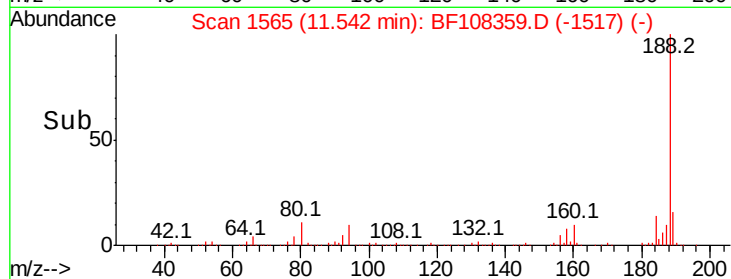
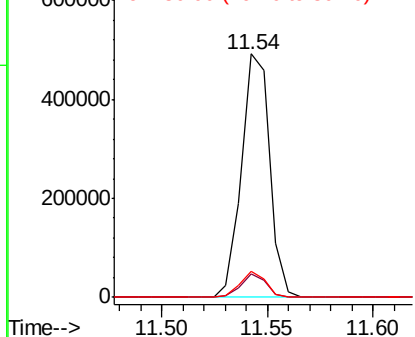
Tot Ion	Ratio	Resp	Lower	Upper
188	100	456526		
94	9.5	8.5	12.7	
80	10.8	9.2	13.8	

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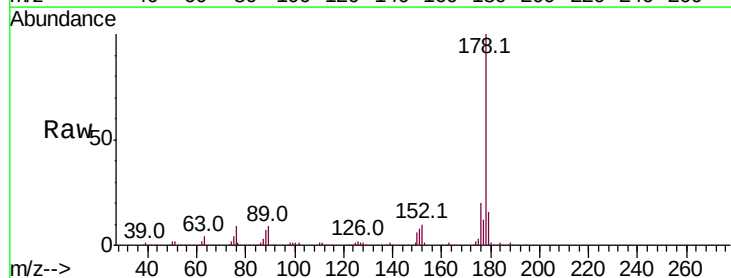


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

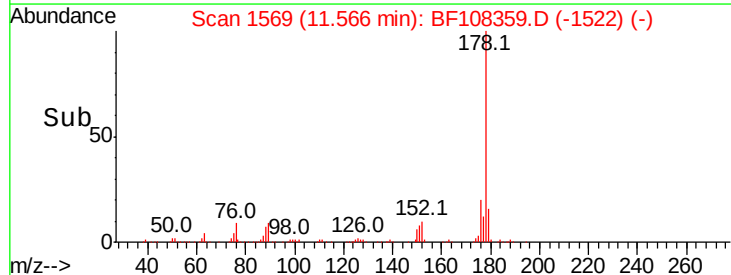
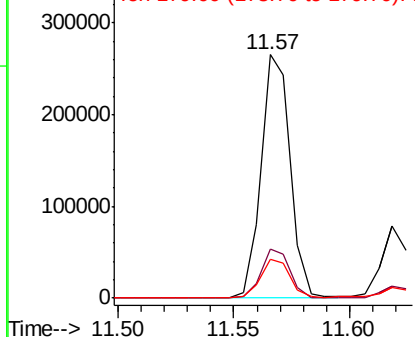


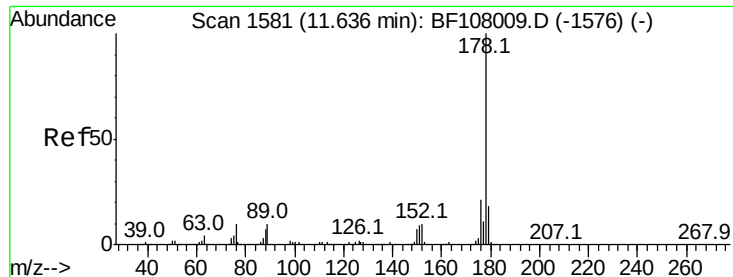
#70
Phenanthrene
Concen: 10.880 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	234268		
176	20.4	15.8	23.8	
179	16.0	13.0	19.6	



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





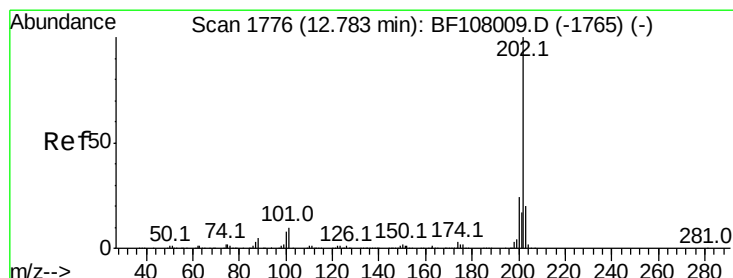
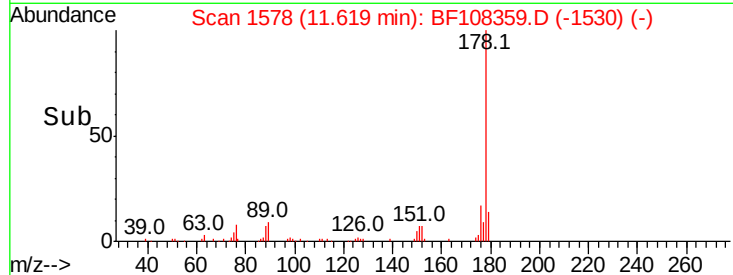
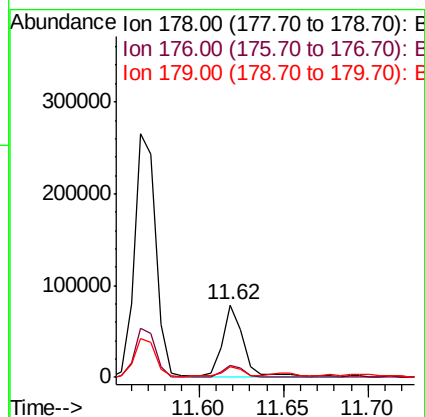
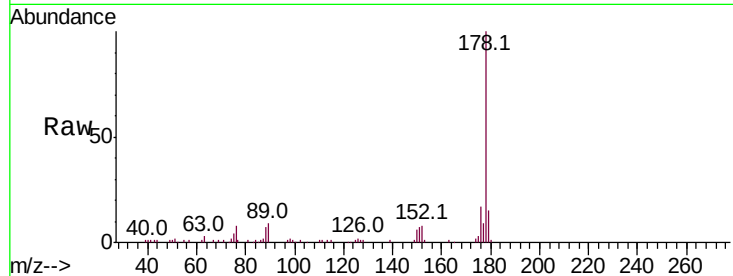
#71
 Anthracene
 Concen: 3.036 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082018-C

Tot Ion:	178	Resp:	66999
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.4	23.2
179	14.5	12.6	19.0

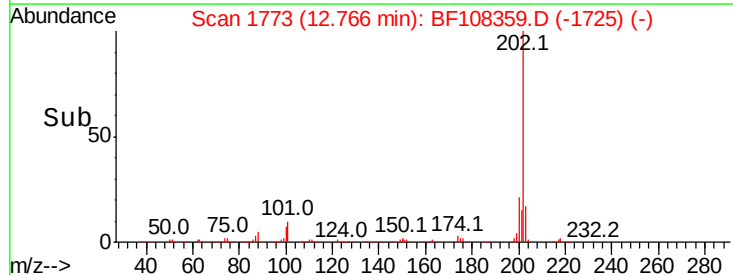
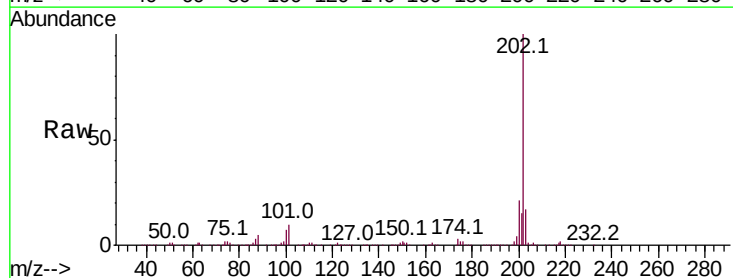
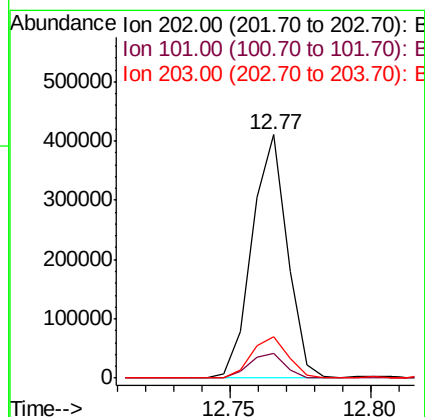
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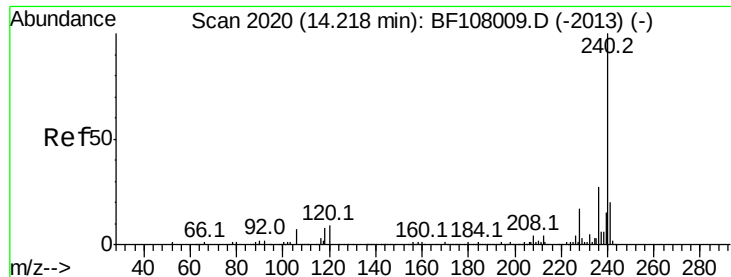
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#74
 Fluoranthene
 Concen: 15.165 ng
 RT: 12.77 min Scan# 1773
 Delta R.T. -0.02 min
 Lab File: BF108359.D
 Acq: 22 Aug 2018 1:15

Tgt Ion:	202	Resp:	356376
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

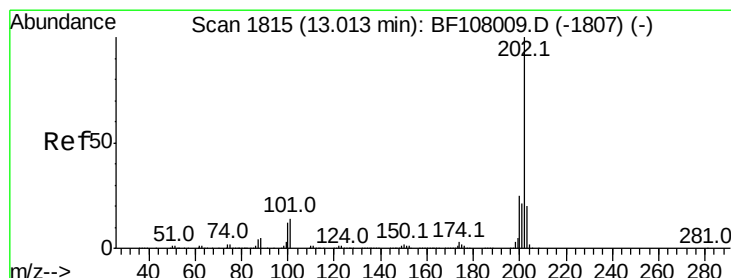
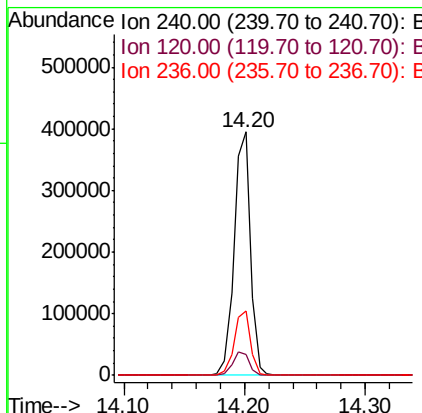
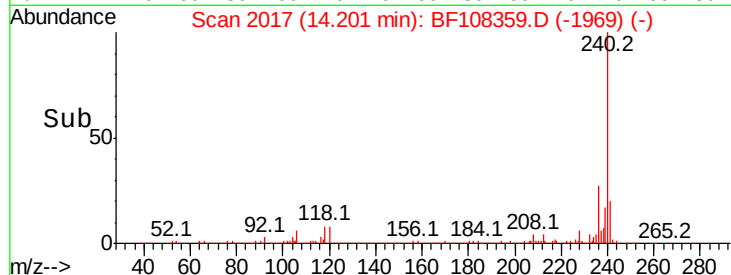
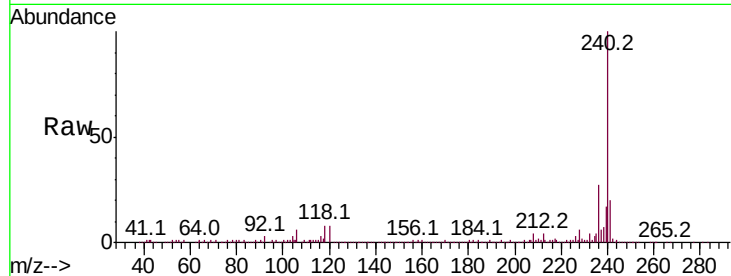
ClientSampleId :

CL-01-082018-C

Tot Ion:	240	Resp:	371501
Ion Ratio	Lower	Upper	
240	100		
120	8.3	9.5	14.3#
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 15.075 ng

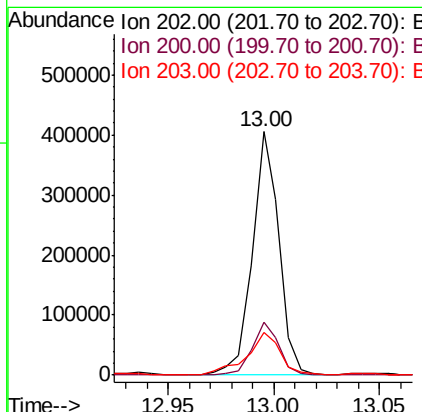
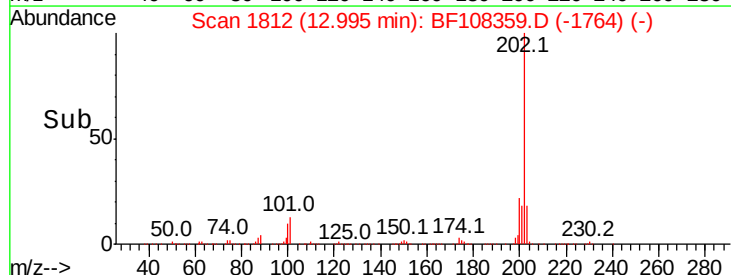
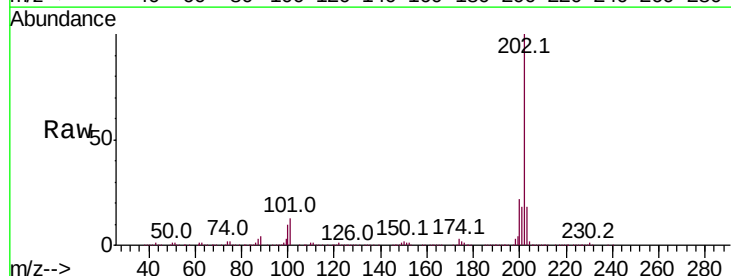
RT: 13.00 min Scan# 1812

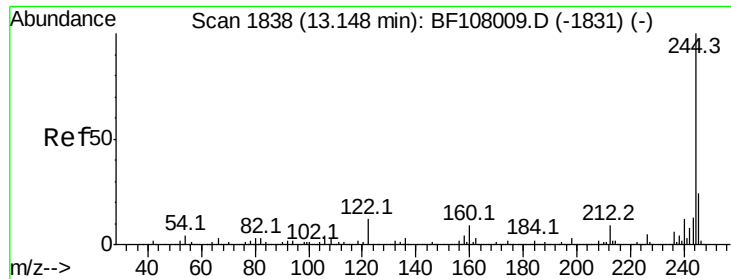
Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Tgt Ion:	202	Resp:	354567
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 8.111 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Instrument :

BNA_F

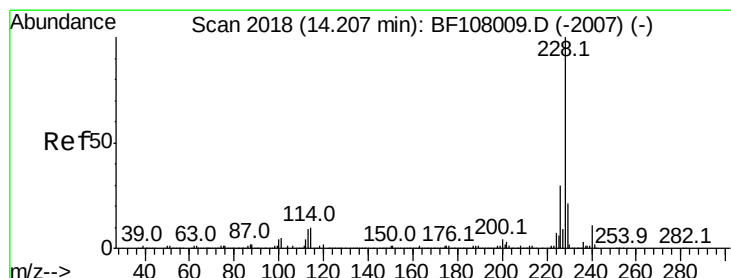
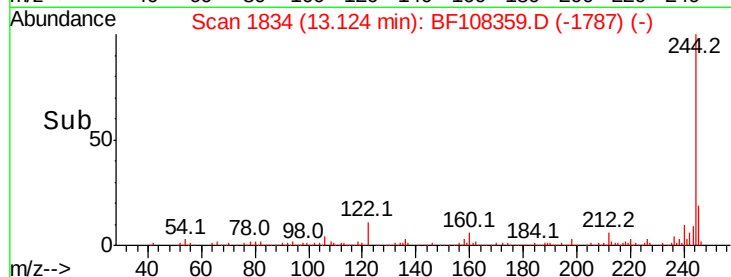
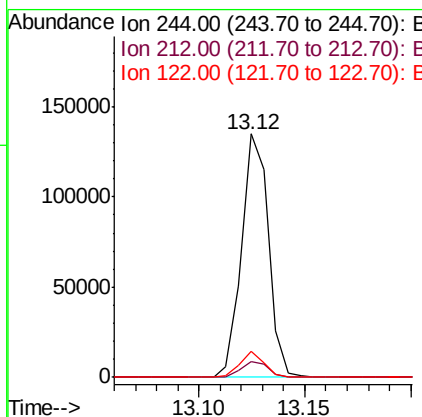
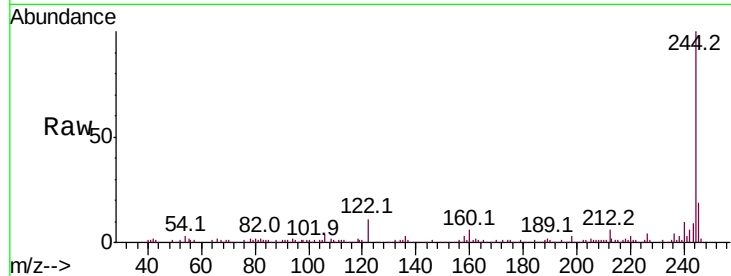
ClientSampleId :

CL-01-082018-C

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	5.4	8.0	
122	10.6	11.0	16.4	

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#80

Benzo(a)anthracene

Concen: 8.446 ng

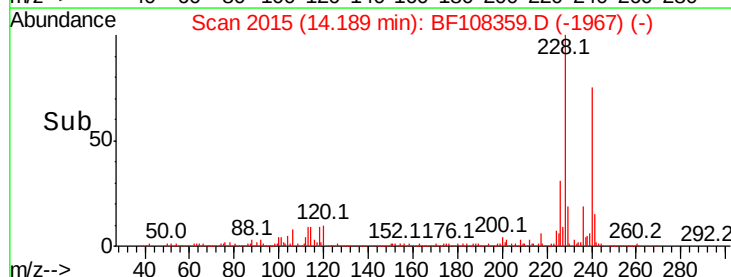
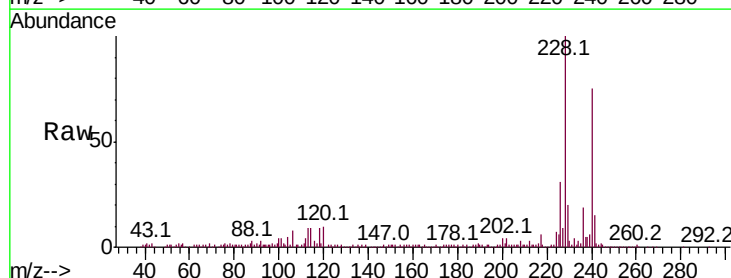
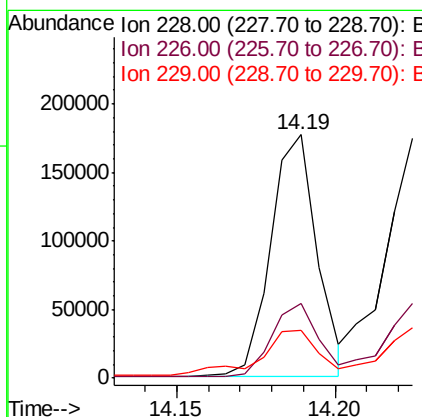
RT: 14.19 min Scan# 2015

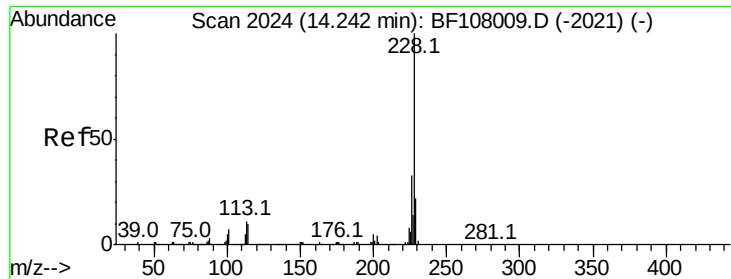
Delta R.T. -0.02 min

Lab File: BF108359.D

Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.8	22.6	33.8	
229	19.9	15.8	23.6	





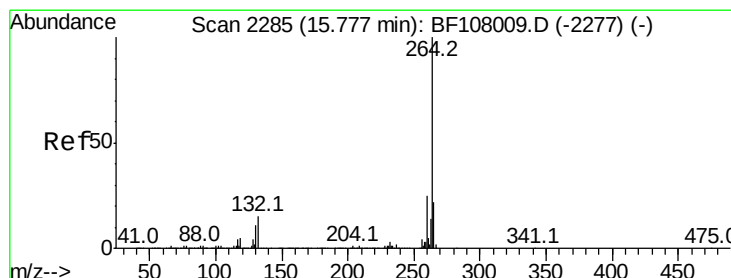
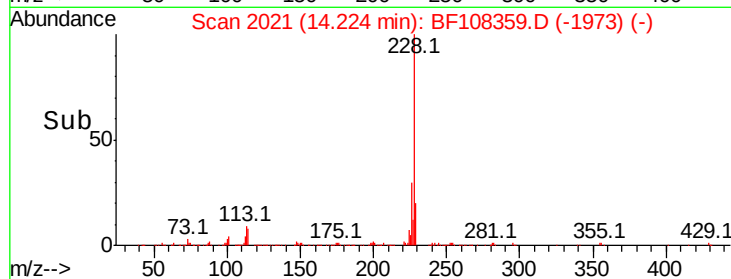
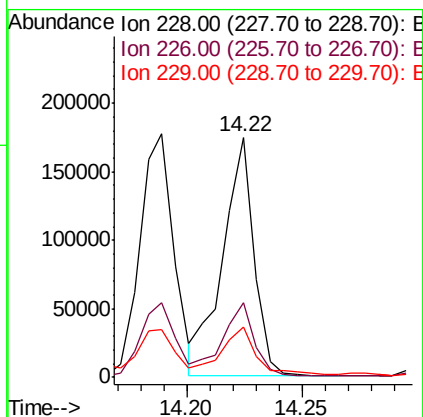
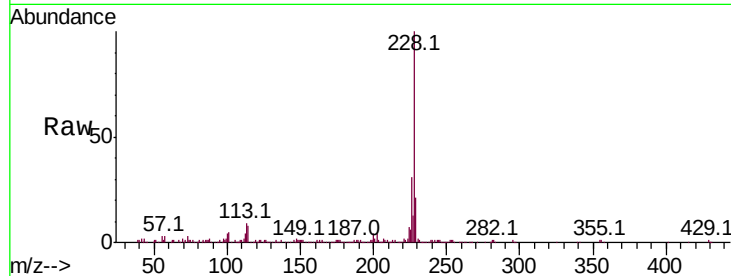
#82
Chrysene
Concen: 8.430 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

Tot Ion	Ratio	Resp	Lower	Upper
228	100	164777		
226	30.9	25.0	37.6	
229	21.2	16.2	24.4	

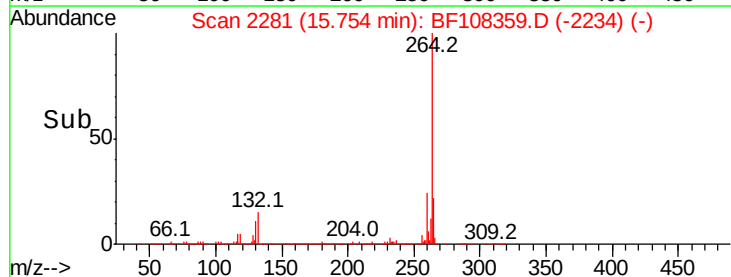
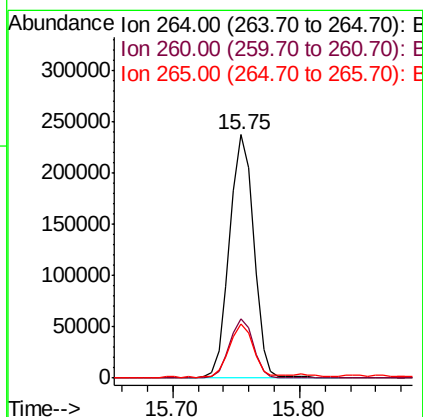
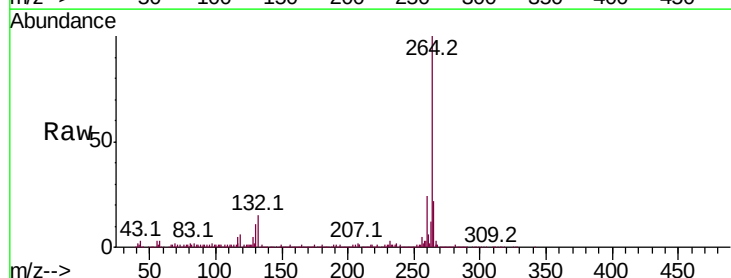
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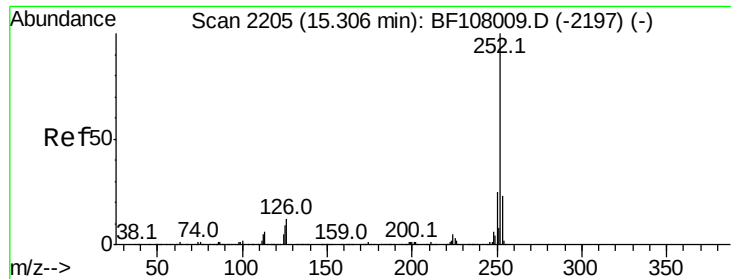
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	312574		
260	24.1	19.2	28.8	
265	22.5	17.5	26.3	





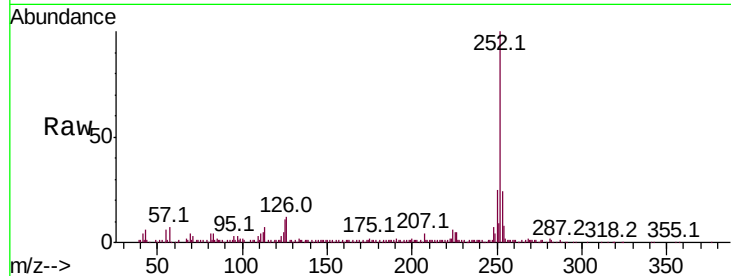
#87
Benzo(b)fluoranthene
Concen: 9.141 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

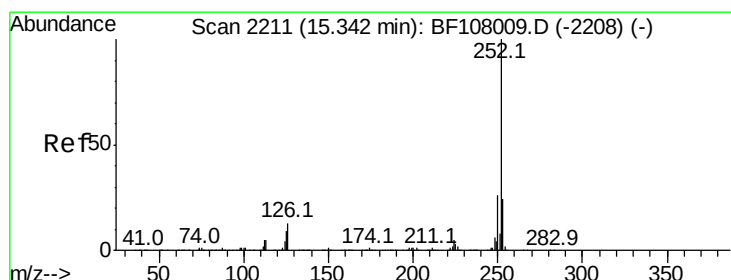
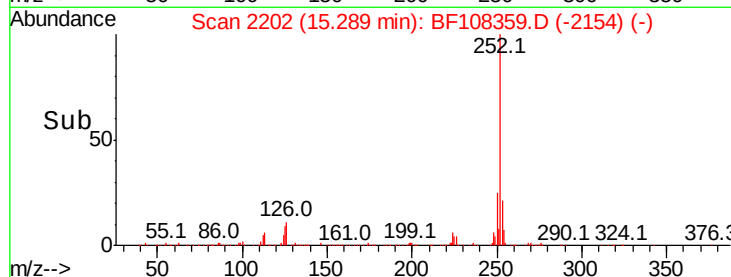
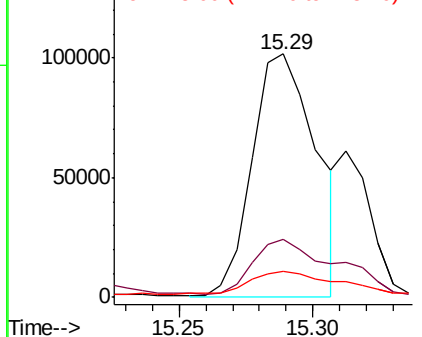
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	10.6	9.0	13.6

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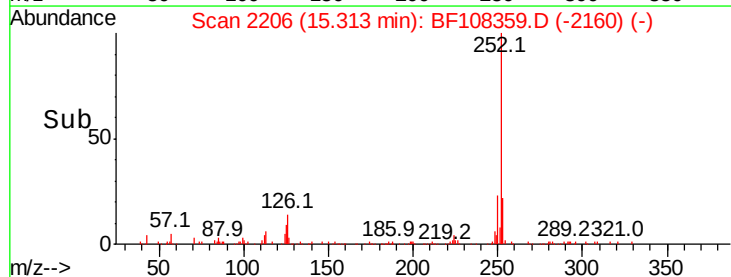
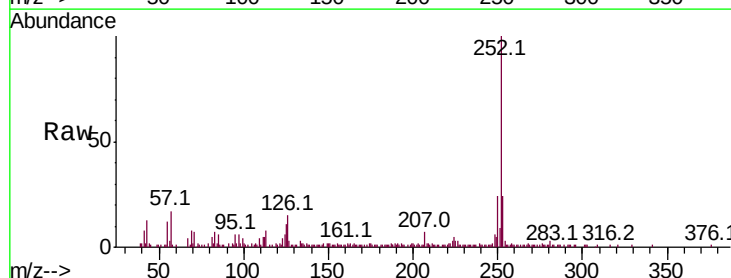
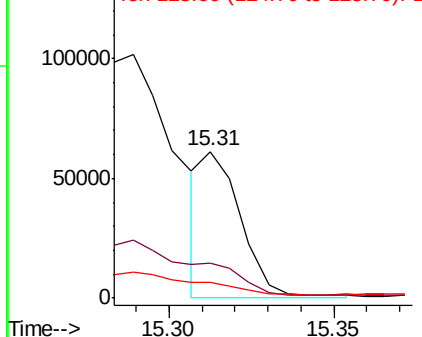
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

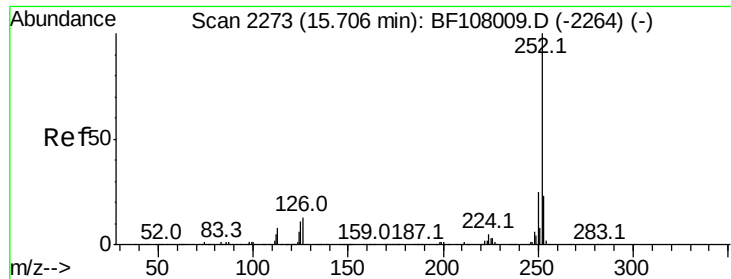


#88
Benzo(k)fluoranthene
Concen: 2.970 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	11.2	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





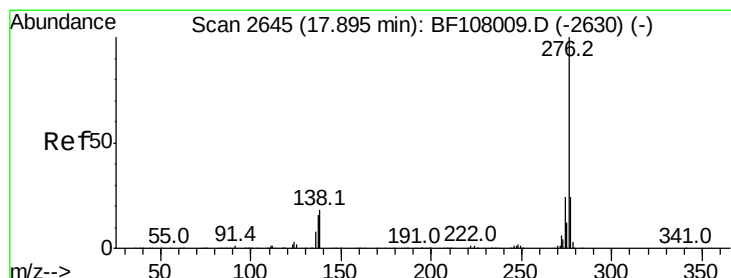
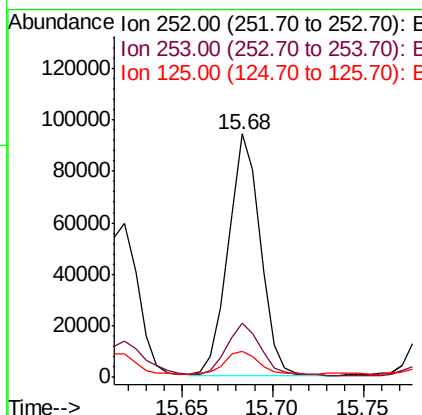
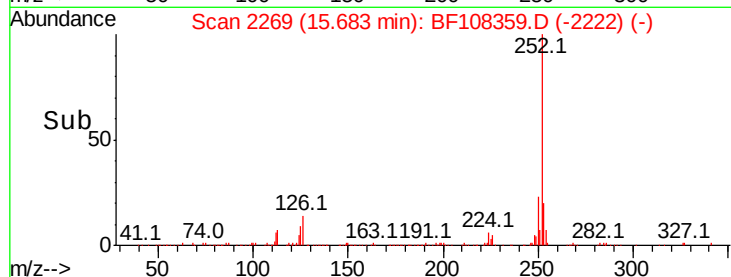
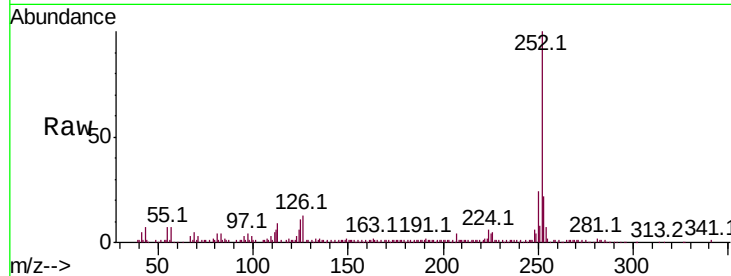
#89
Benzo(a)pyrene
Concen: 6.941 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Instrument :
BNA_F
ClientSampleId :
CL-01-082018-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.7	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.742 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF108359.D
Acq: 22 Aug 2018 1:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	19.7	21.8	32.8#

