

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108043.D
 Acq On : 9 Aug 2018 10:57
 Operator : JU/SJ
 Sample : J4276-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718

Manual Integrations
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Sohil
 8/10/2018 12:13:13 PM

Quant Time: Aug 09 16:37:51 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	7.01	152	284102	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1107391	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	571259	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	1076877	20.00	ng	0.00
75) Chrysene-d12	14.21	240	736233	20.00	ng	0.00
86) Perylene-d12	15.77	264	720014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	145230	9.25	ng	-0.01
7) Phenol-d6	6.61	99	206397	9.90	ng	-0.02
23) Nitrobenzene-d5	7.57	82	135009	6.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.85	330	43178	7.58	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	287291	8.07	ng	-0.01
78) Terphenyl-d14	13.14	244	295284	10.20	ng	0.00
Target Compounds						
57) Fluorene	10.61	166	102317	2.768	ng	95
70) Phenanthrene	11.58	178	936880	18.445	ng	100
71) Anthracene	11.63	178	298856	5.741	ng	98
72) Carbazole	11.78	167	127246	2.751	ng	99
74) Fluoranthene	12.78	202	1201142	21.668	ng	95
77) Pyrene	13.01	202	1093743	23.465	ng	99
80) Benzo(a)anthracene	14.20	228	574165	13.589	ng	98
82) Chrysene	14.24	228	537491m	13.876	ng	
85) Indeno(1,2,3-cd)pyrene	17.38	276	222931m	6.642	ng	
87) Benzo(b)fluoranthene	15.30	252	616578m	14.331	ng	
88) Benzo(k)fluoranthene	15.33	252	258748m	6.542	ng	
89) Benzo(a)pyrene	15.70	252	470736	12.218	ng	97
91) Benzo(a,h,i)perylene	17.87	276	200887	6.400	ng	# 92

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

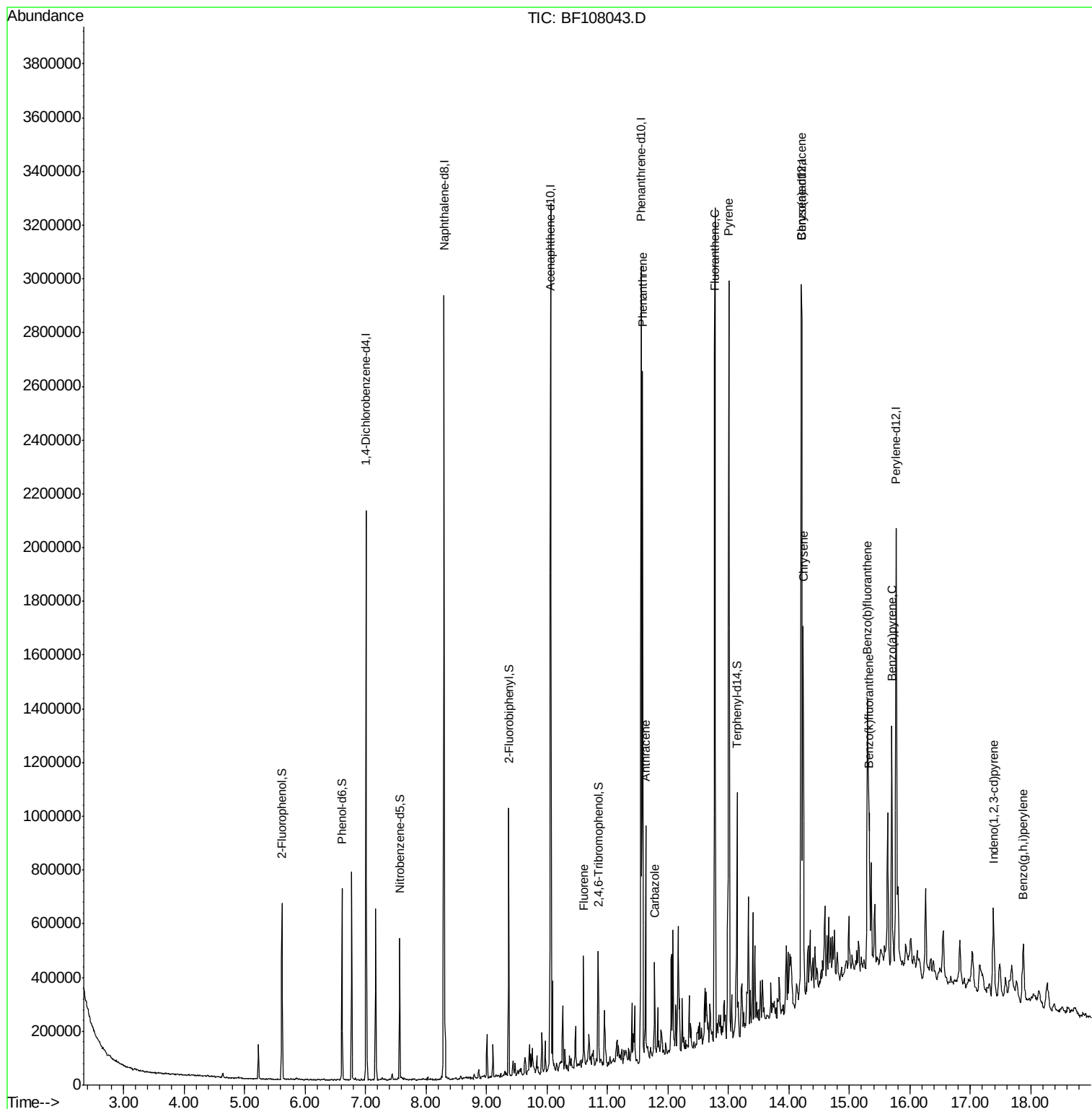
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
Data File : BF108043.D
Acq On : 9 Aug 2018 10:57
Operator : JU/SJ
Sample : J4276-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

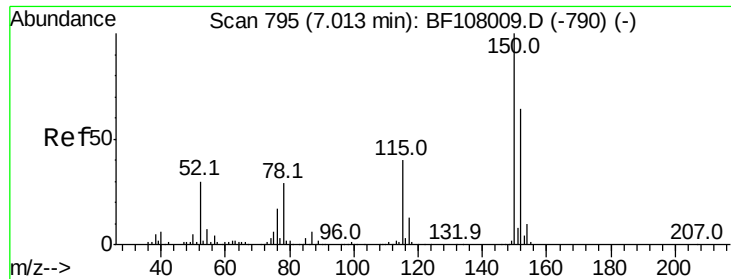
Instrument :
BNA_F
ClientSampleId :
OK-02-080718

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Quant Time: Aug 09 16:37:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

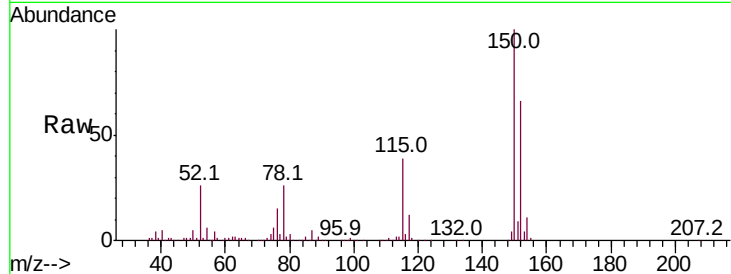
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108043.D
Acq: 9 Aug 2018 10:57

Instrument :
BNA_F
ClientSampleId :
OK-02-080718

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.6	186.8
115	58.8	50.1	75.1

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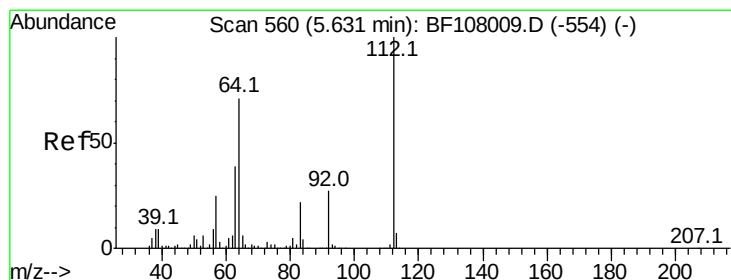
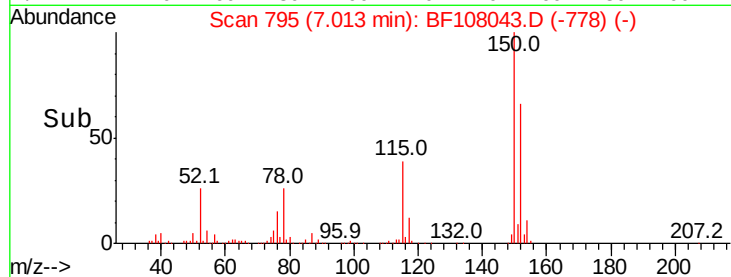
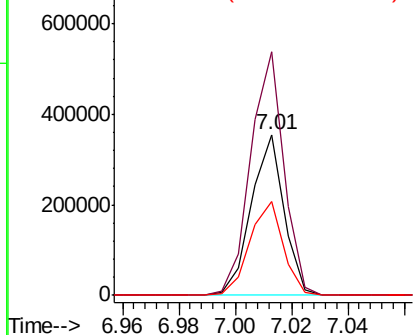


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

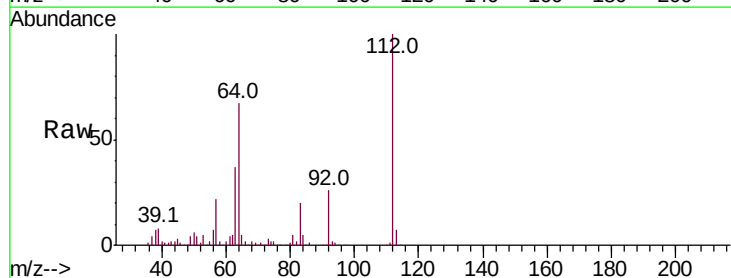
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.255 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108043.D
Acq: 9 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	37.3	23.7	35.5#

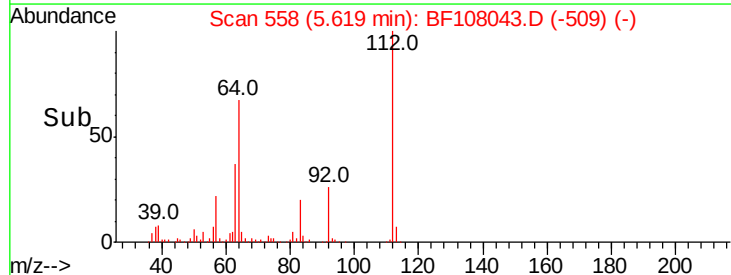
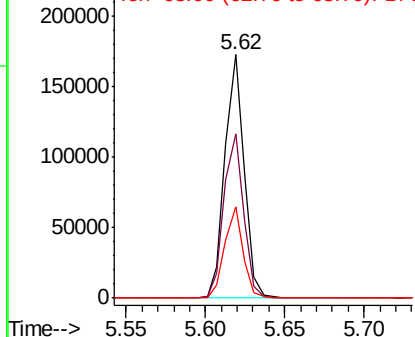


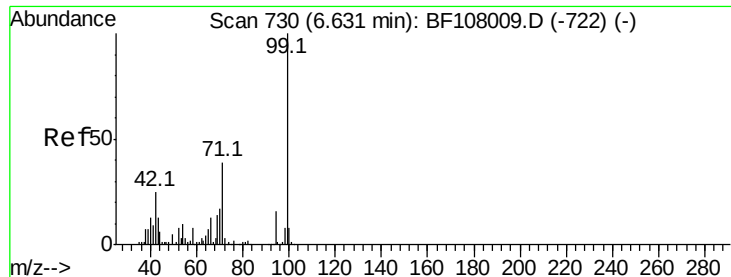
Abundance

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: 9.898 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

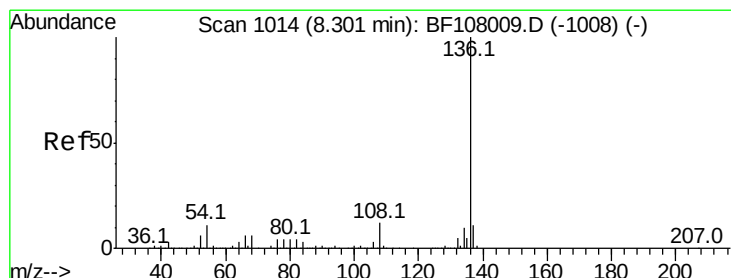
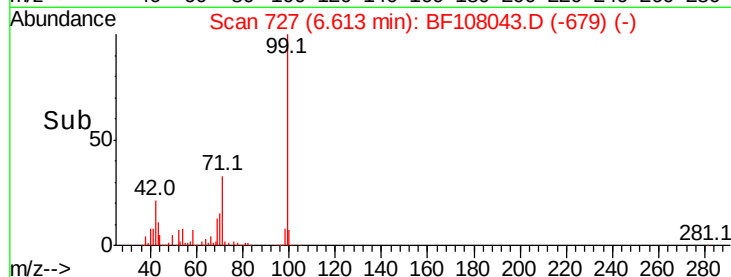
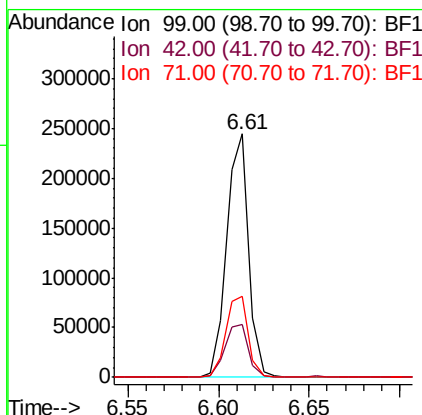
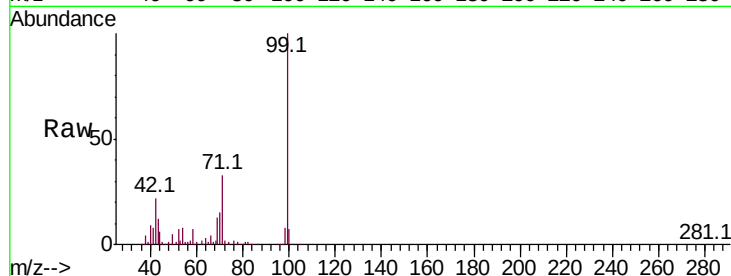
ClientSampleId :

OK-02-080718

Tot Ion:	99	Resp:	206397
Ion	Ratio	Lower	Upper
99	100		
42	21.7	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

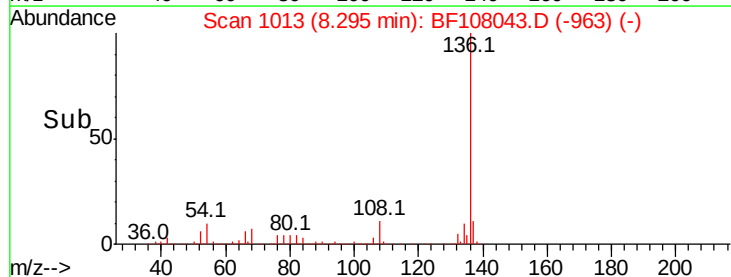
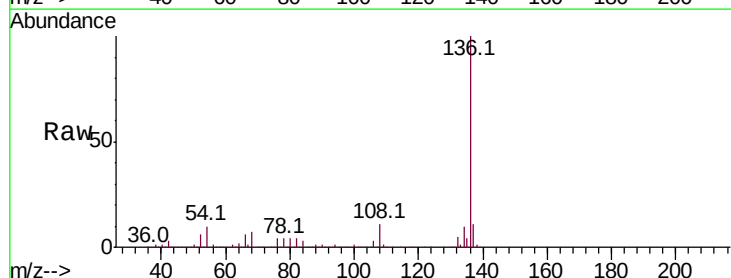
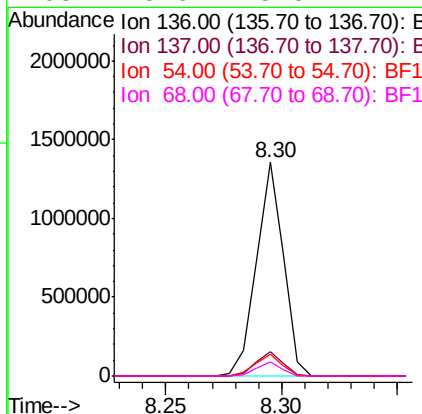
RT: 8.30 min Scan# 1013

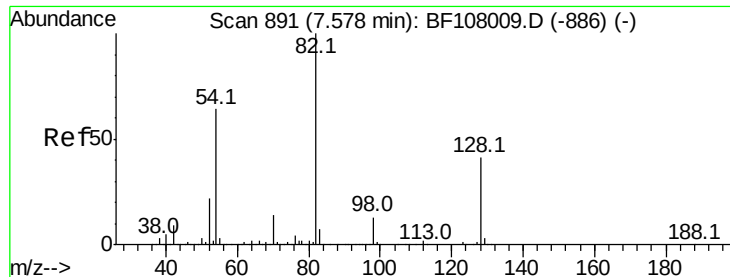
Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion:	136	Resp:	1107391
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.5	6.6	9.8#
68	6.6	5.0	7.4





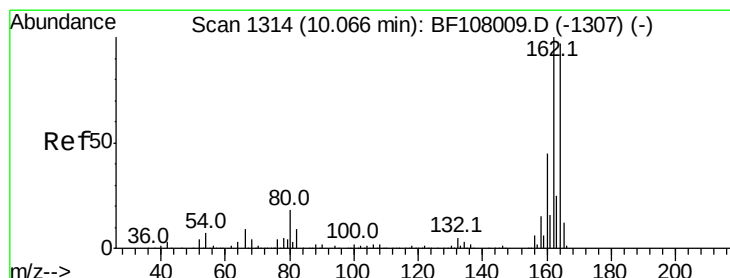
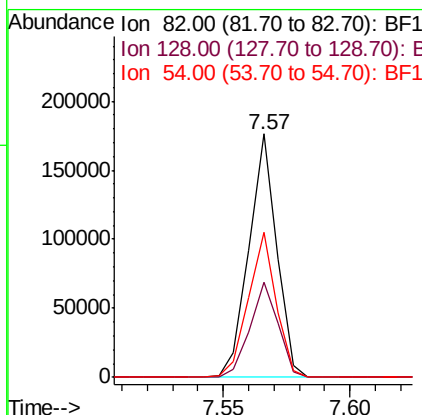
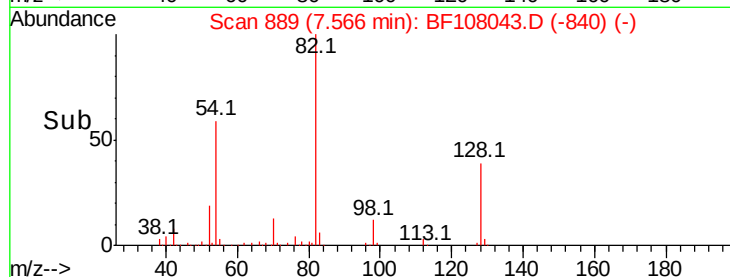
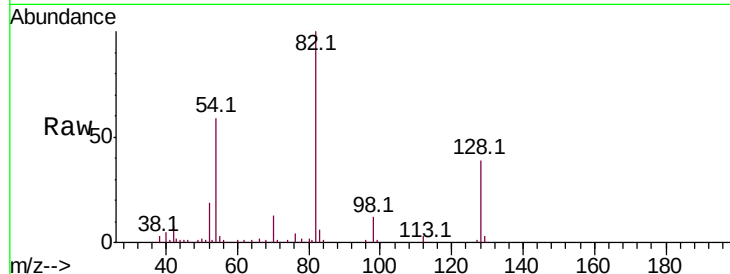
#23
 Nitrobenzene-d5
 Concen: 6.803 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	36.1	54.1
54	59.3	41.4	62.2

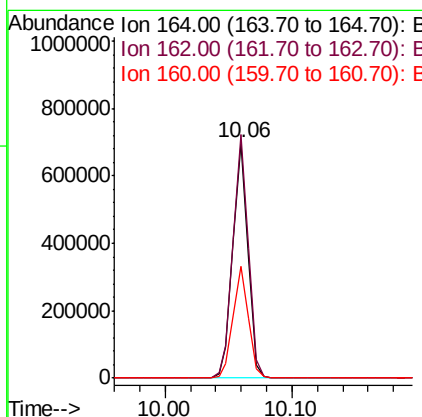
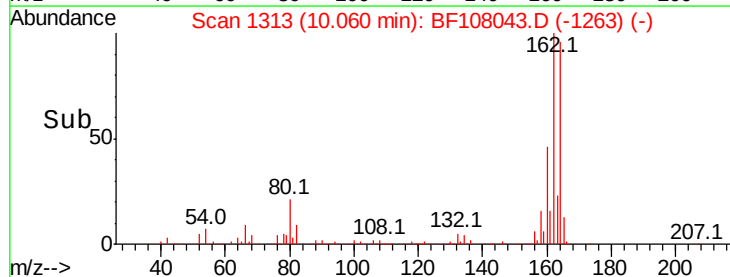
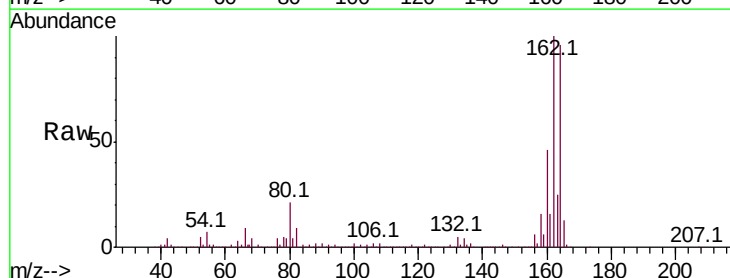
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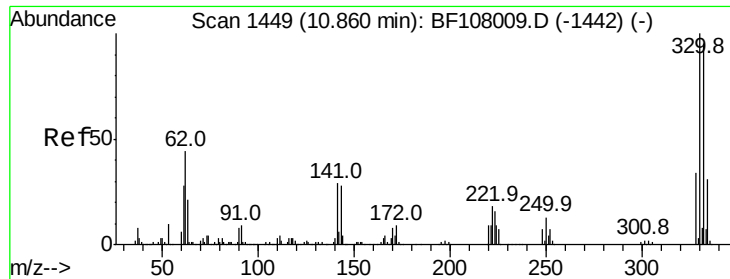
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	47.5	38.3	57.5





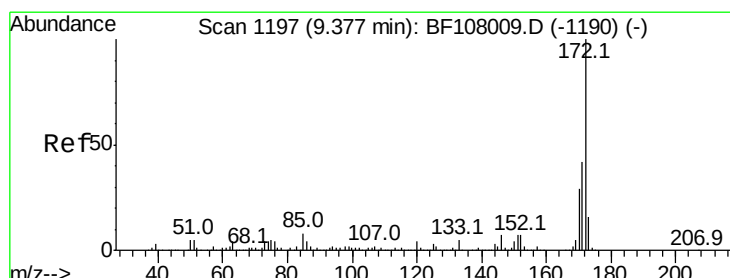
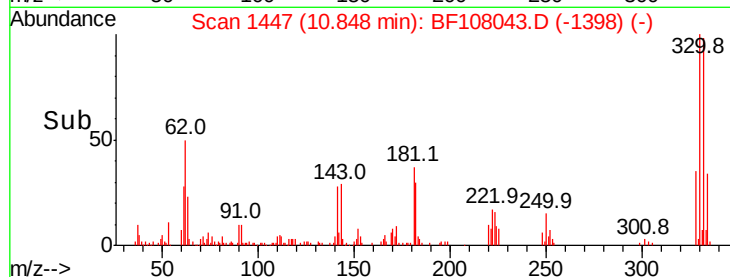
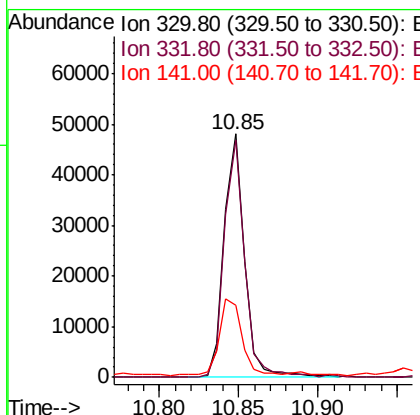
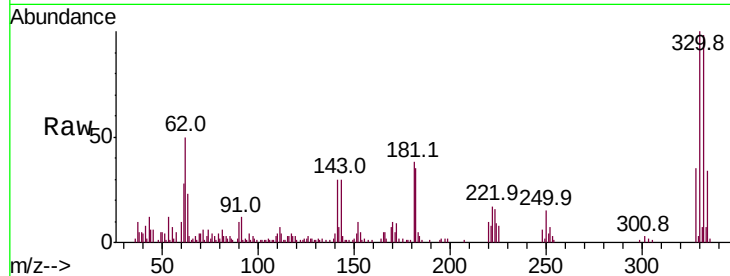
#41
 2,4,6-Tribromophenol
 Concen: 7.578 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718

Tot Ion	Ratio	Resp	Lower	Upper
330	100	43178		
332	97.0	77.0	115.6	
141	34.7	29.9	44.9	

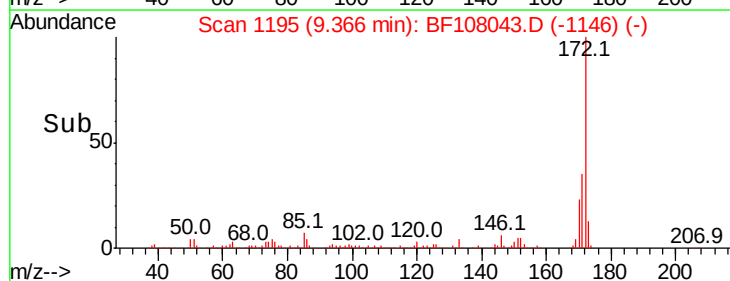
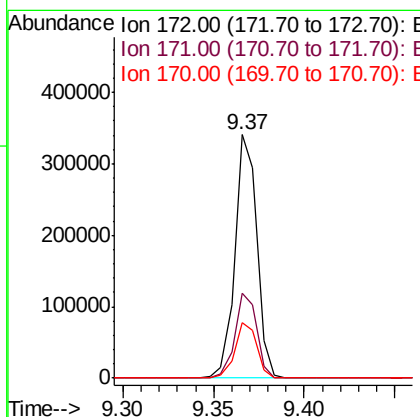
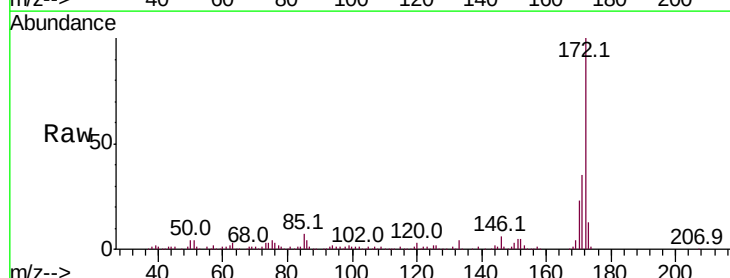
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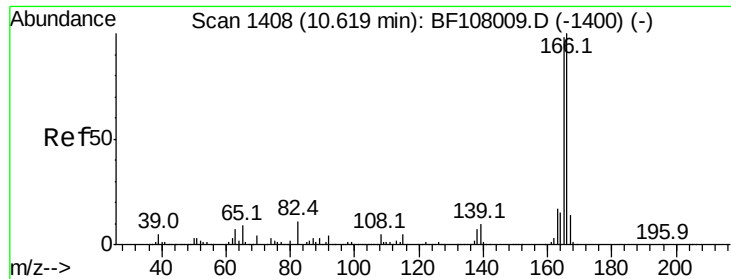
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#44
 2-Fluorobiphenyl
 Concen: 8.074 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	287291		
171	34.8	29.7	44.5	
170	22.6	19.6	29.4	





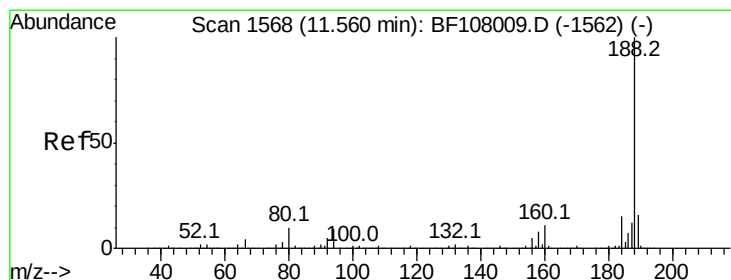
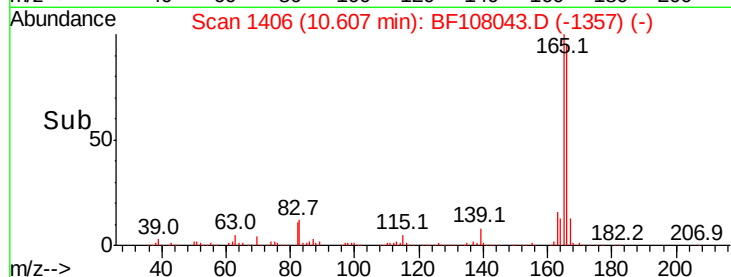
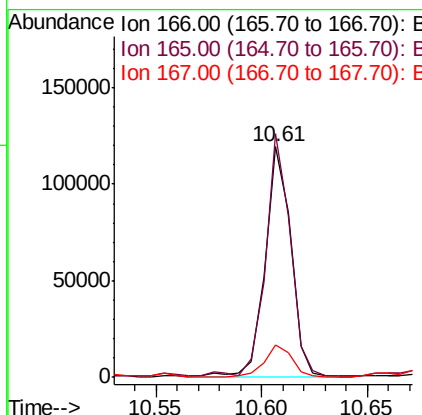
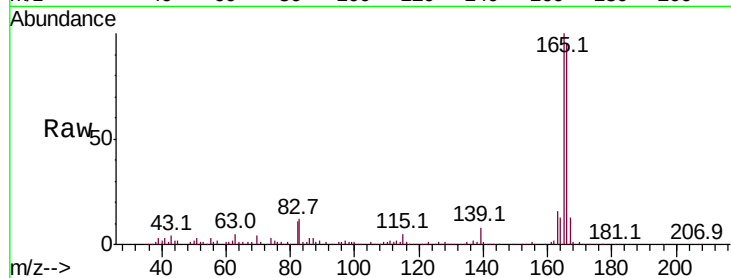
#57
 Fluorene
 Concen: 2.768 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.7	79.8	119.8
167	14.0	10.6	16.0

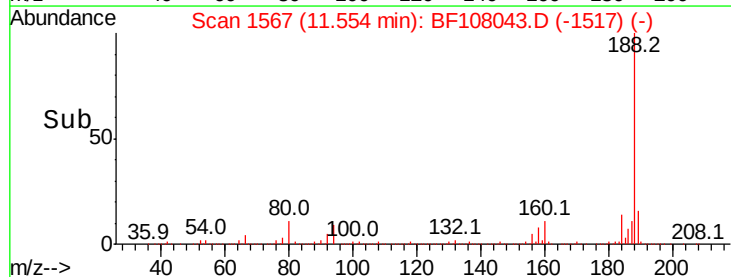
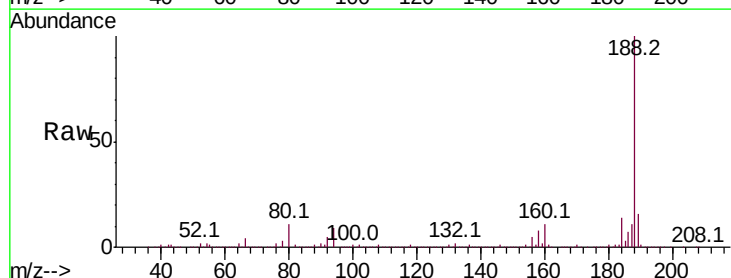
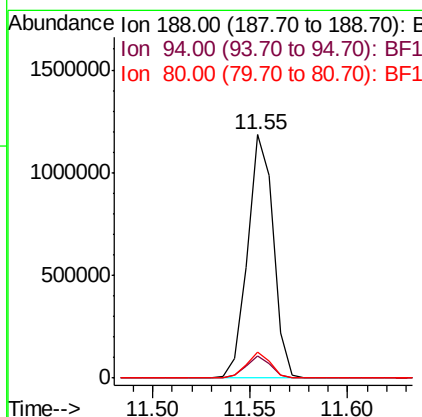
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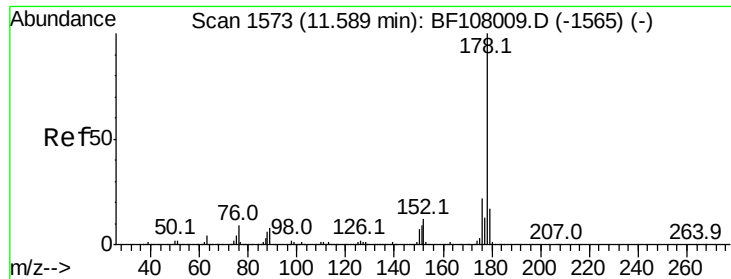
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

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





#70

Phenanthrene

Concen: 18.445 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

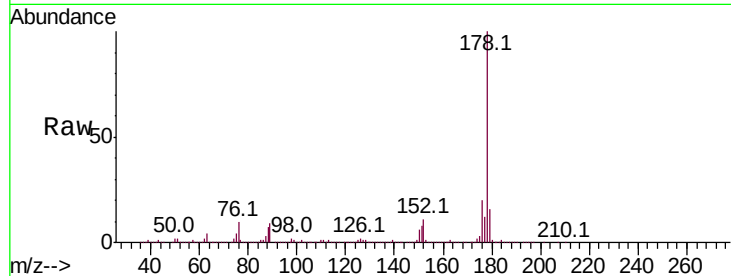
ClientSampleId :

OK-02-080718

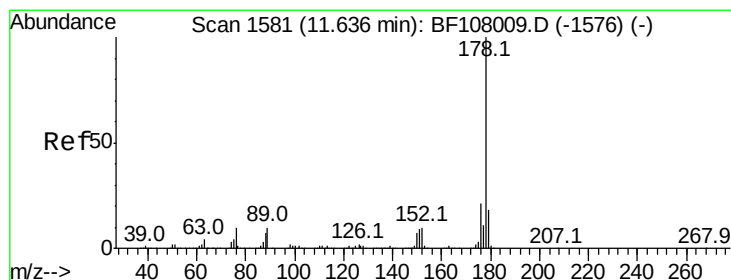
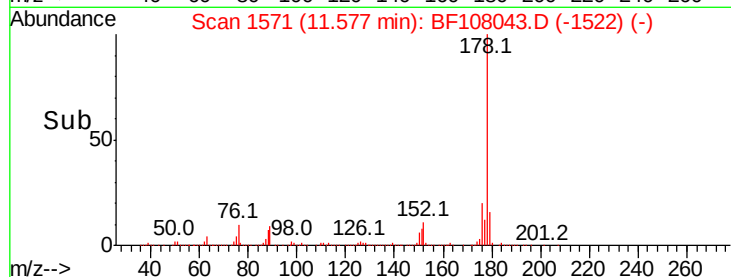
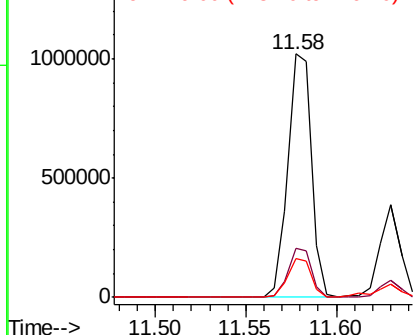
Tot Ion:	178	Resp:	936880
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	16.1	13.0	19.6

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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: 5.741 ng

RT: 11.63 min Scan# 1580

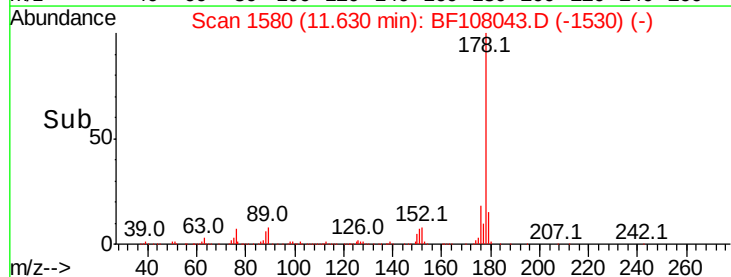
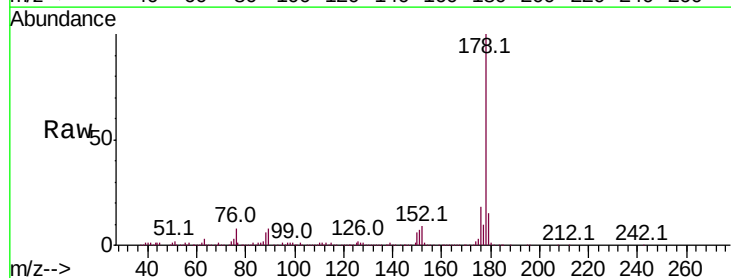
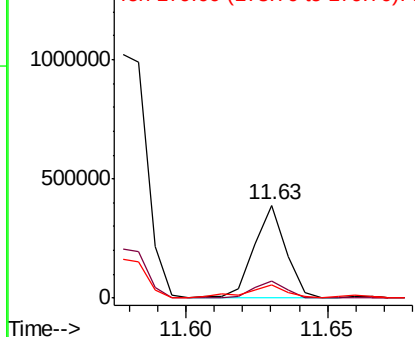
Delta R.T. -0.01 min

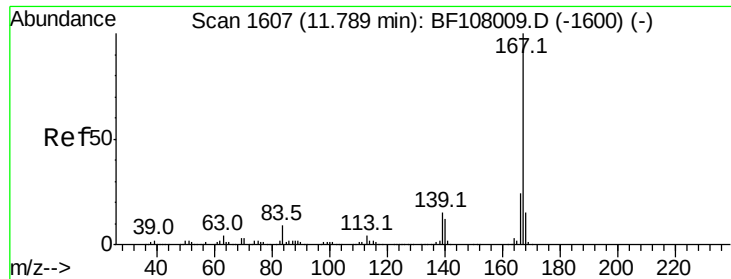
Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion:	178	Resp:	298856
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	14.8	12.6	19.0

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





#72

Carbazole

Concen: 2.751 ng

RT: 11.78 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

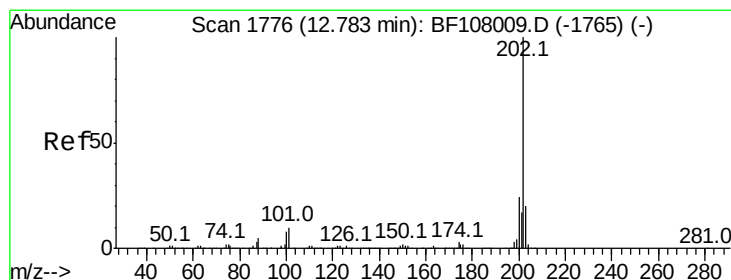
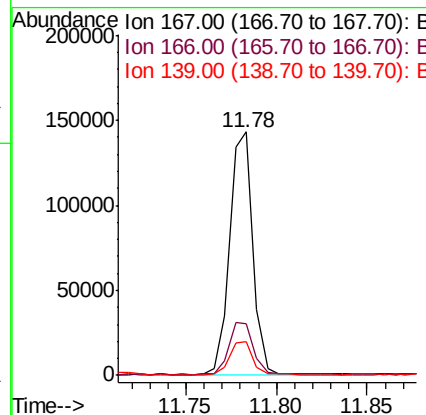
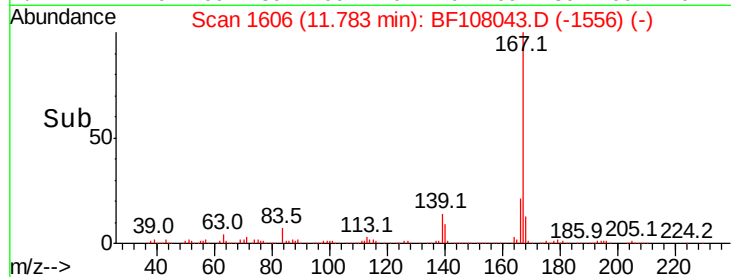
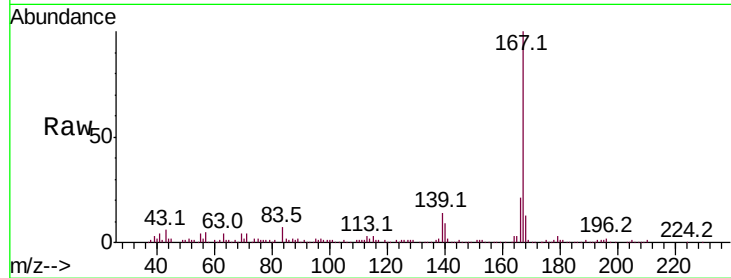
ClientSampleId :

OK-02-080718

Tot Ion:	167	Resp:	127246
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.6	26.4
139	13.8	10.9	16.3

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#74

Fluoranthene

Concen: 21.668 ng

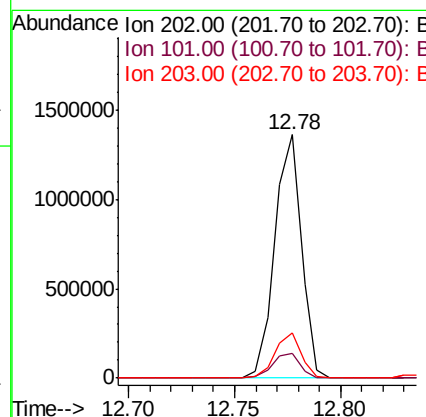
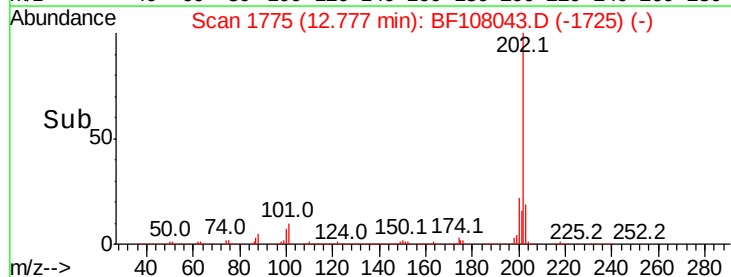
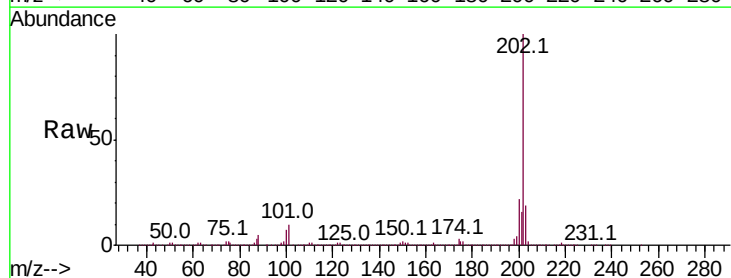
RT: 12.78 min Scan# 1775

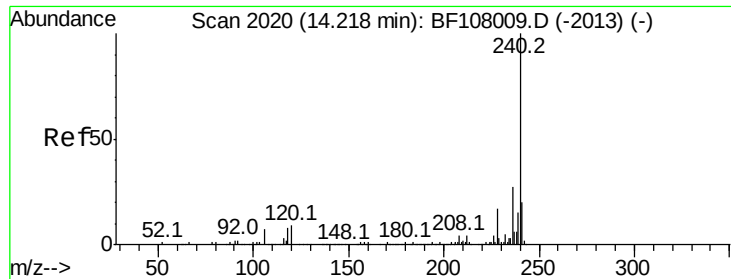
Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion:	202	Resp:	1201142
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

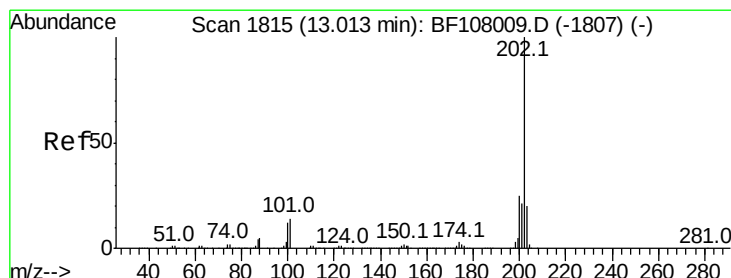
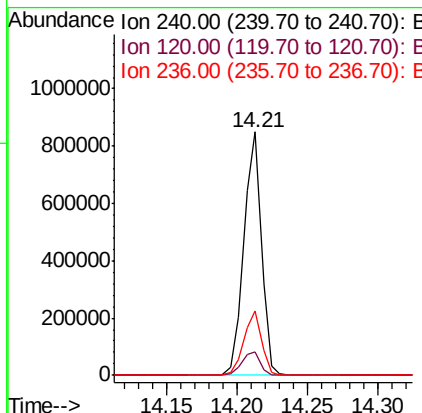
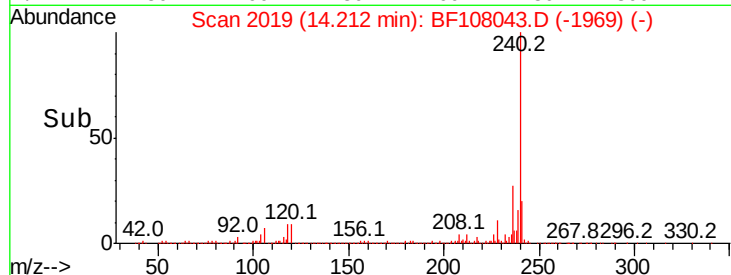
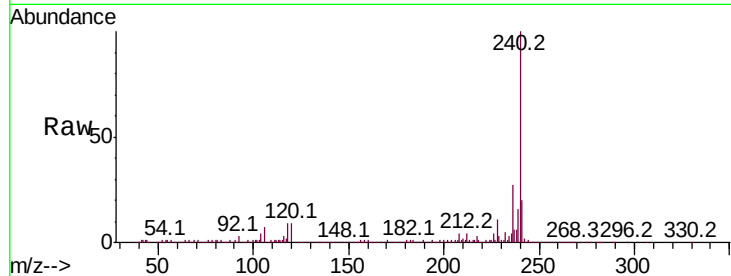
ClientSampleId :

OK-02-080718

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 23.465 ng

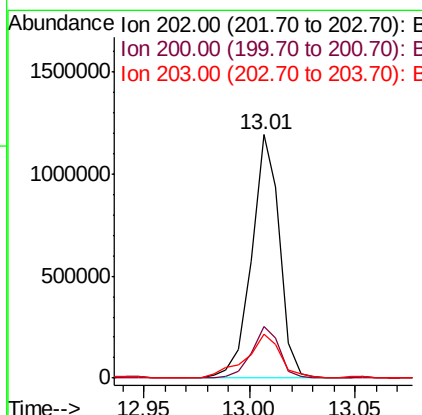
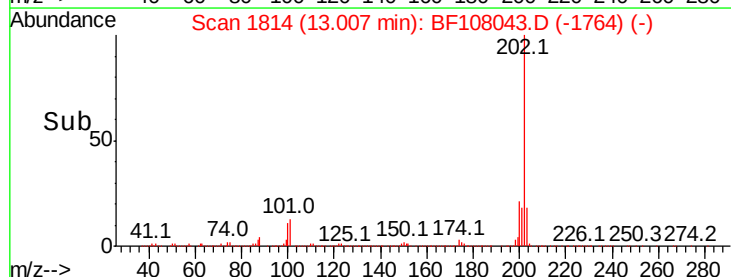
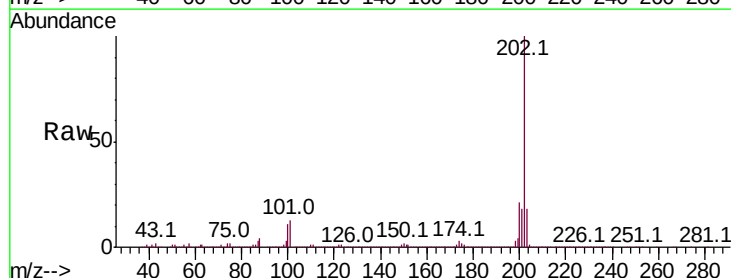
RT: 13.01 min Scan# 1814

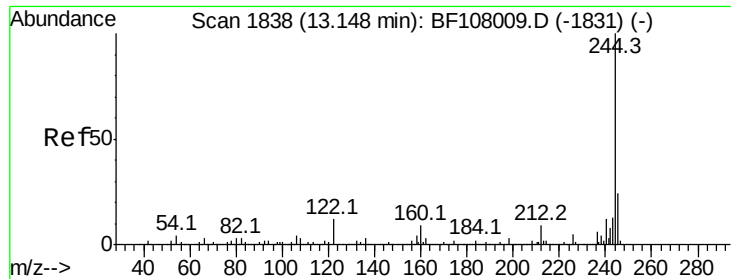
Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 10.198 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

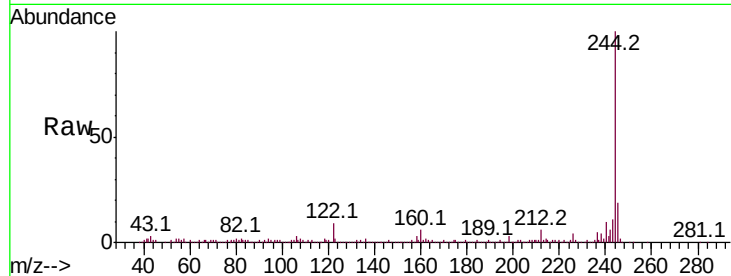
ClientSampleId :

OK-02-080718

Tot Ion	Ratio	Resp	Lower	Upper
244	100	295284		
212	6.3	5.4	8.0	
122	9.1	11.0	16.4	

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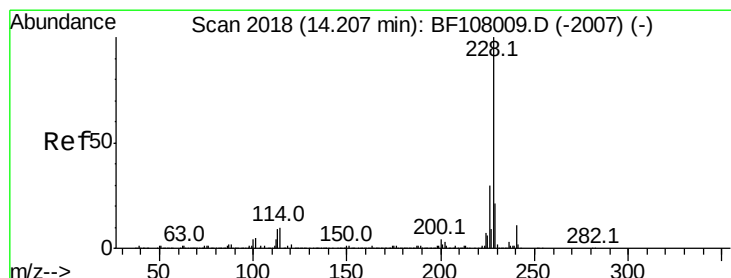
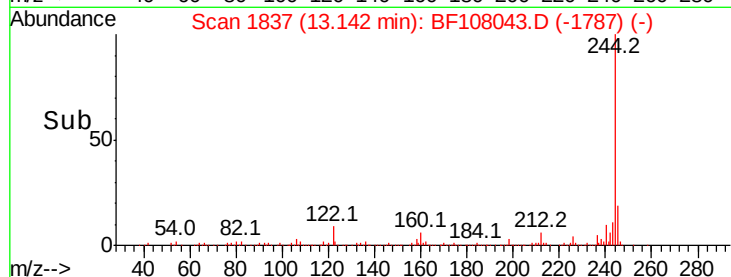
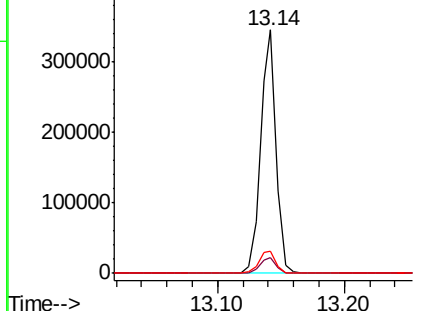
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.589 ng

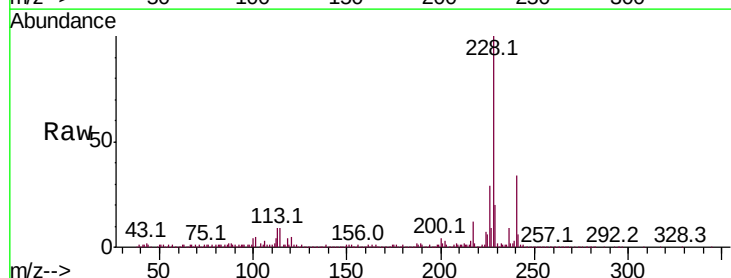
RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

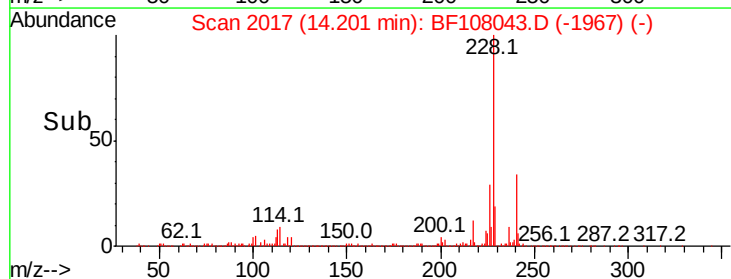
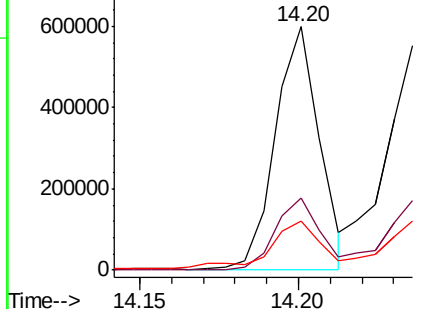
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	574165		
226	29.4	22.6	33.8	
229	20.2	15.8	23.6	

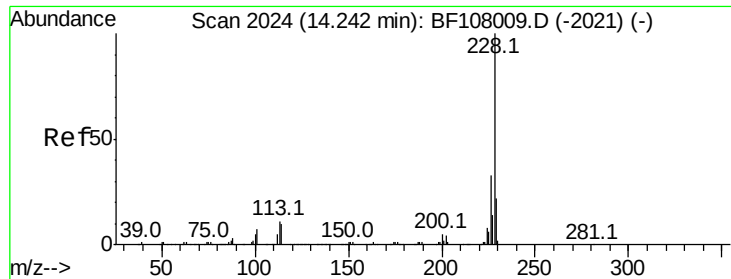


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





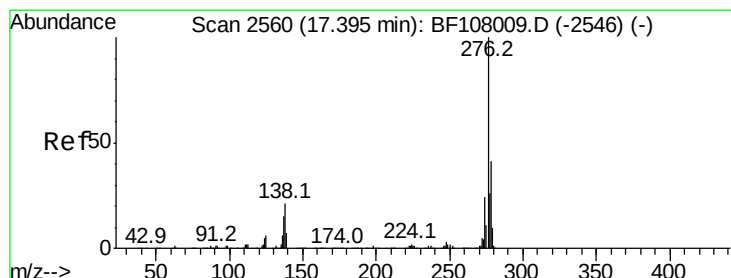
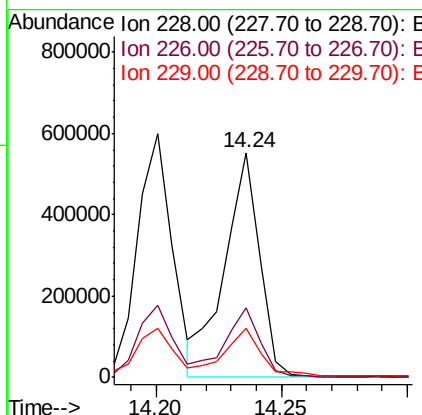
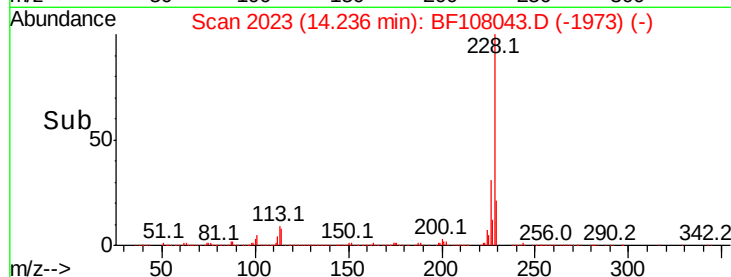
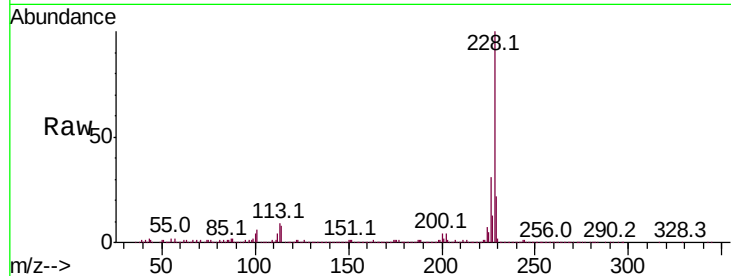
#82
Chrysene
Concen: 13.876 ng m
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108043.D
Acq: 9 Aug 2018 10:57

Instrument :
BNA_F
ClientSampleId :
OK-02-080718

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.0	16.2	24.4

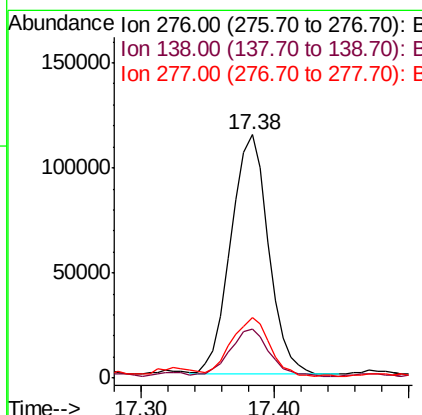
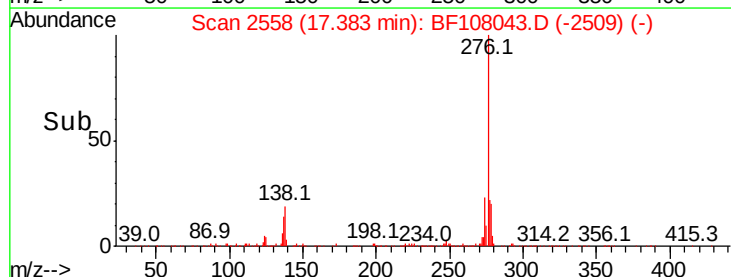
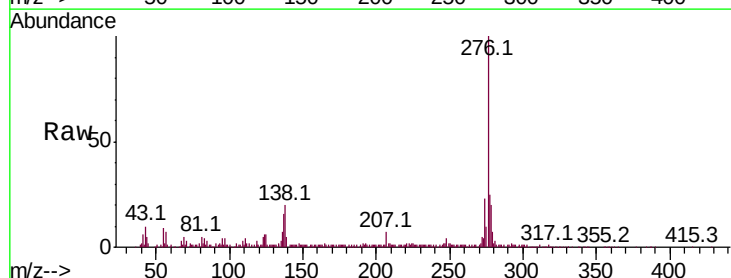
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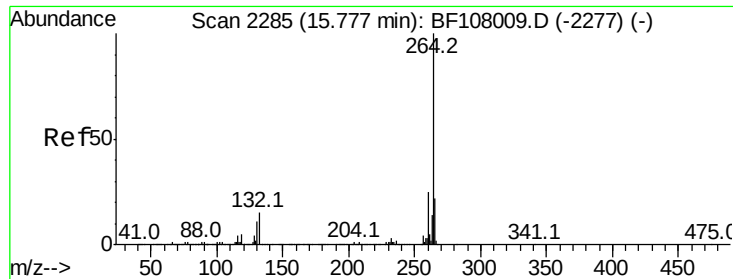
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.642 ng m
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108043.D
Acq: 9 Aug 2018 10:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.0	25.0	37.6#
277	5.0	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

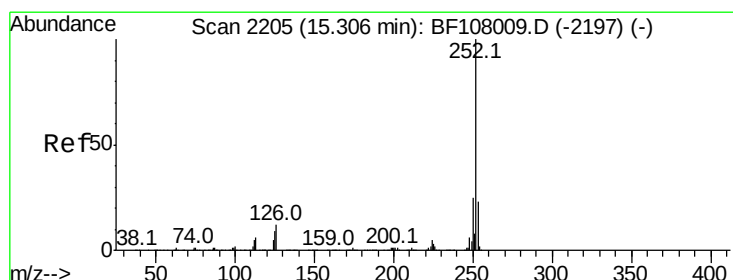
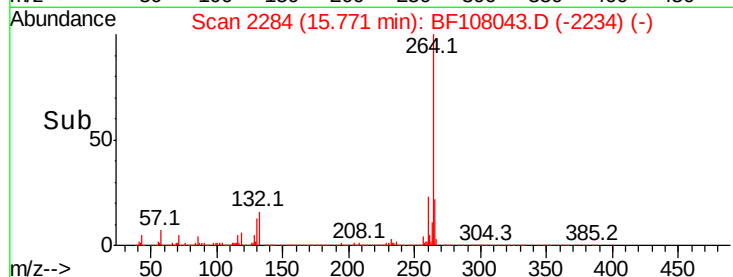
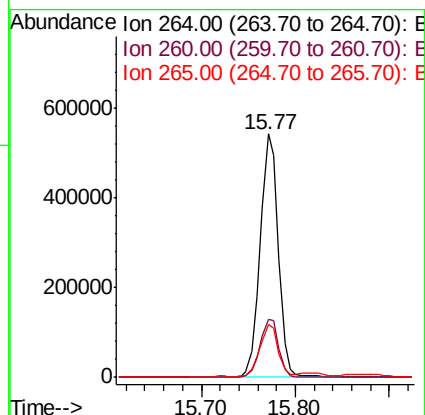
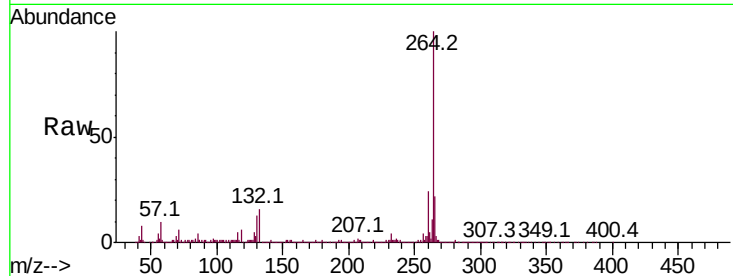
ClientSampleId :

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Tot Ion:	264	Resp:	720014
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 14.331 ng m

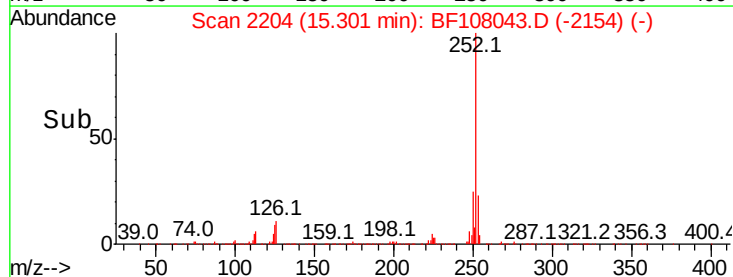
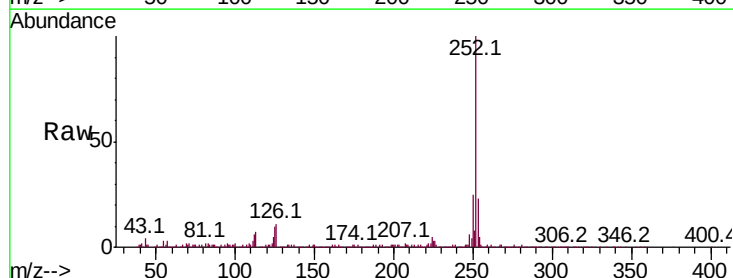
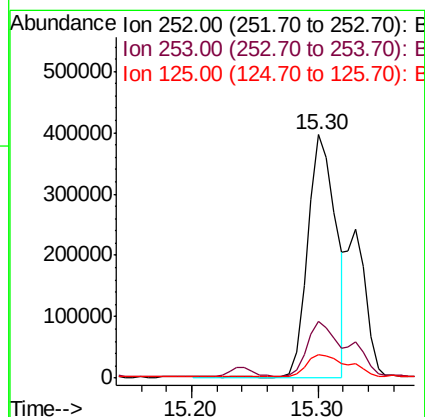
RT: 15.30 min Scan# 2204

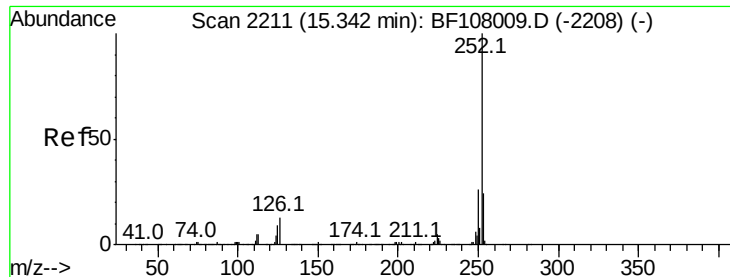
Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion:	252	Resp:	616578
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	9.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 6.542 ng

RT: 15.33 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Instrument :

BNA_F

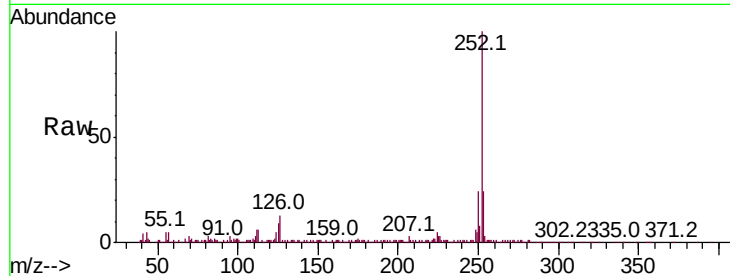
ClientSampleId :

OK-02-080718

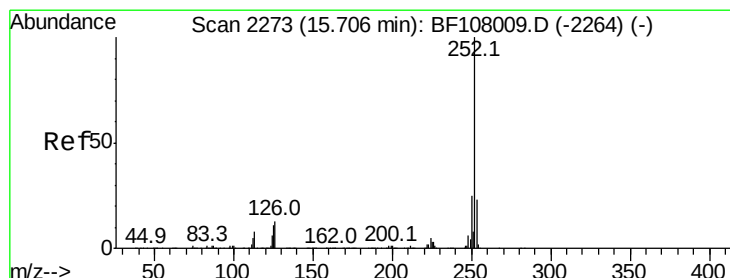
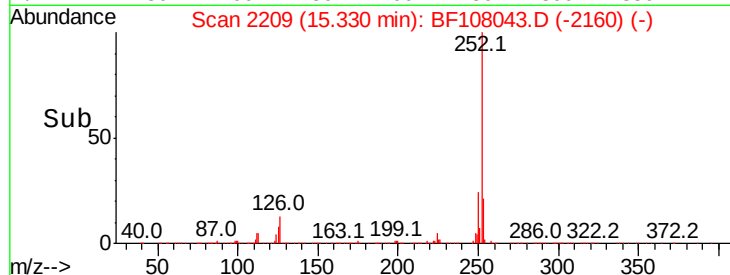
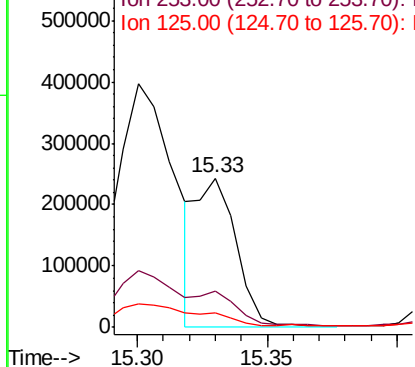
Tot Ion:	252	Resp:	258748
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.9	26.9
125	9.3	10.2	15.2

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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



#89

Benzo(a)pyrene

Concen: 12.218 ng

RT: 15.70 min Scan# 2272

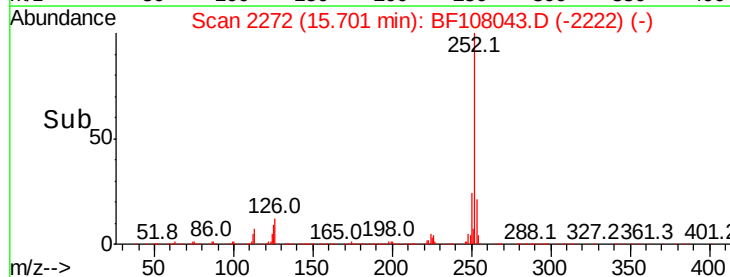
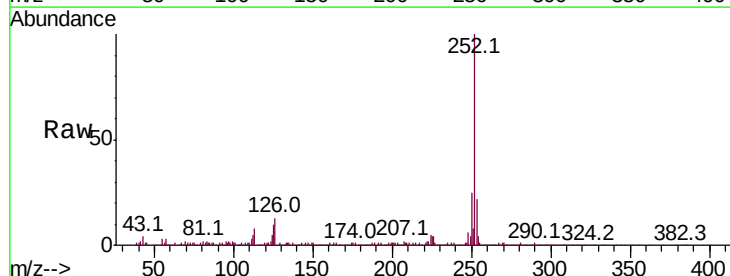
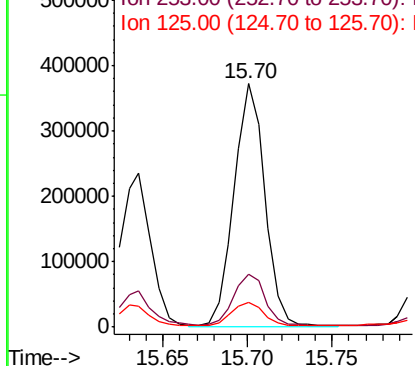
Delta R.T. -0.01 min

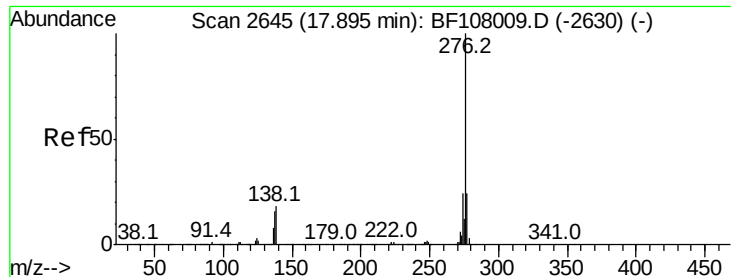
Lab File: BF108043.D

Acq: 9 Aug 2018 10:57

Tgt Ion:	252	Resp:	470736
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.1	25.7
125	9.9	9.8	14.6

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





#91
 Benzo(a,h,i)perylene
 Concen: 6.400 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.02 min
 Lab File: BF108043.D
 Acq: 9 Aug 2018 10:57

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	20.6	21.8	32.8#

Manual Integrations
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