

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108081.D
 Acq On : 10 Aug 2018 14:00
 Operator : JU/SJ
 Sample : J4276-01RE 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718RE

Manual Integrations
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Sohil
 8/13/2018 3:51:42 PM

Quant Time: Aug 10 15:03:04 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	327064	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1259225	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	617411	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	1037850	20.00	ng	0.00
75) Chrysene-d12	14.22	240	724483	20.00	ng	0.00
86) Perylene-d12	15.78	264	751297	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	168011	9.30	ng	0.00
7) Phenol-d6	6.62	99	238649	9.94	ng	-0.01
23) Nitrobenzene-d5	7.57	82	154729	6.86	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	43298	7.03	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	319168	8.30	ng	0.00
78) Terphenyl-d14	13.15	244	273764	9.61	ng	0.00
Target Compounds						
57) Fluorene	10.61	166	107712	2.696	ng	98
70) Phenanthrene	11.58	178	897975	18.344	ng	99
71) Anthracene	11.64	178	286735	5.715	ng	100
72) Carbazole	11.78	167	118061	2.649	ng	98
74) Fluoranthene	12.78	202	1099767	20.585	ng	95
77) Pyrene	13.01	202	998782	21.775	ng	99
80) Benzo(a)anthracene	14.21	228	606808	14.594	ng	97
82) Chrysene	14.24	228	489026	12.829	ng	97
85) Indeno(1,2,3-cd)pyrene	17.40	276	234803m	7.109	ng	
87) Benzo(b)fluoranthene	15.31	252	693100m	15.439	ng	
88) Benzo(k)fluoranthene	15.34	252	223121m	5.407	ng	
89) Benzo(a)pyrene	15.71	252	502855	12.509	ng	97
91) Benzo(g,h,i)perylene	17.89	276	199948m	6.105	ng	

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

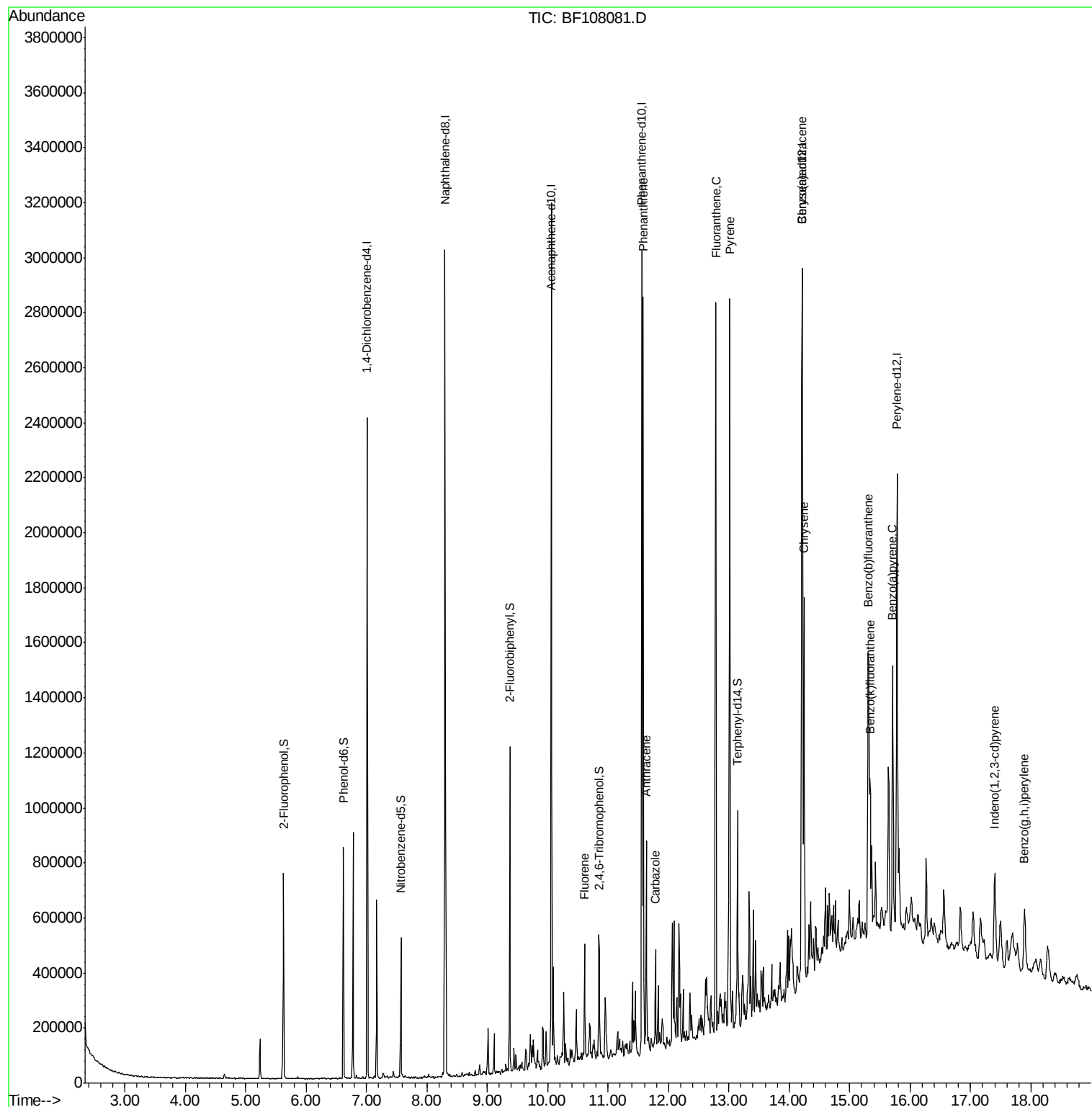
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108081.D
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Sample : J4276-01RE 5X
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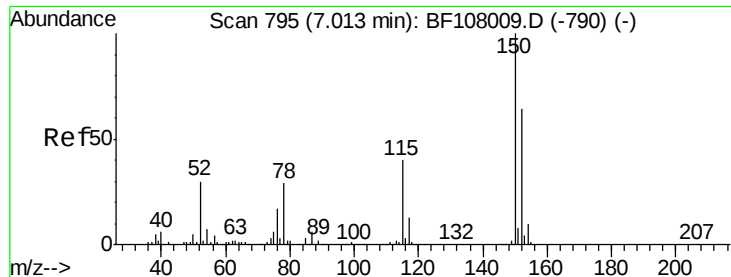
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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#1

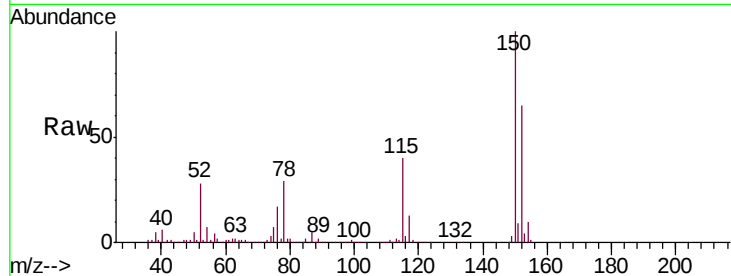
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	62.2	50.1	75.1

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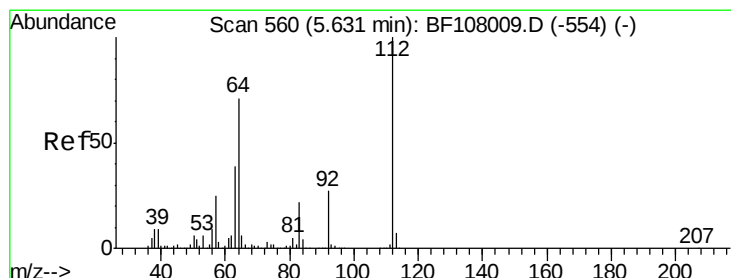
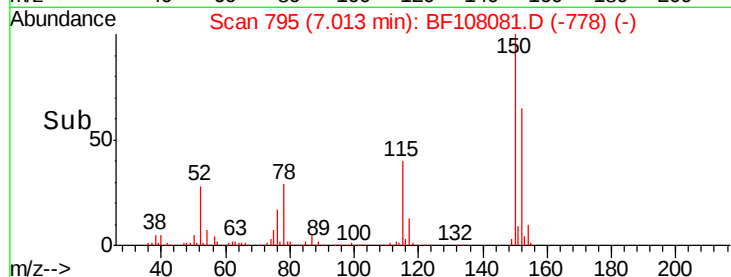
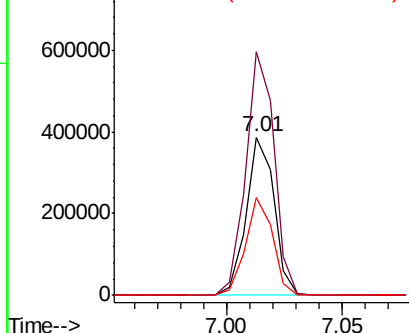


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

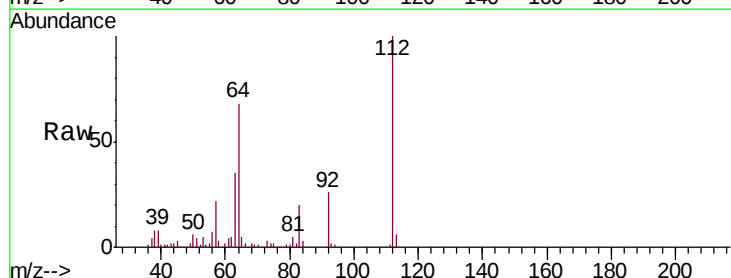
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.300 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	34.6	23.7	35.5

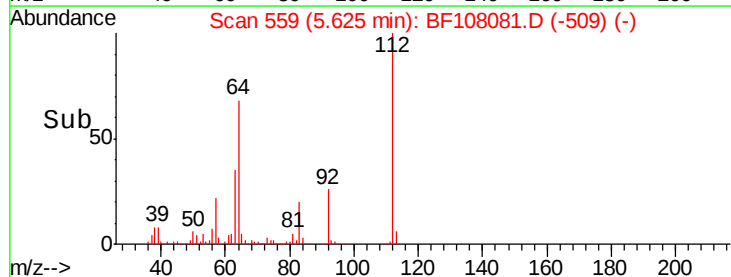
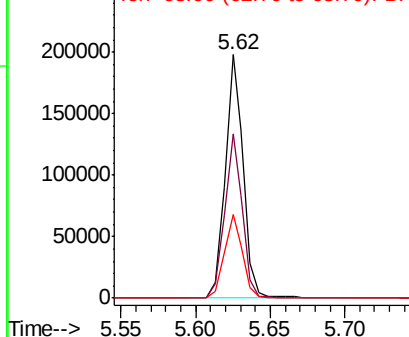


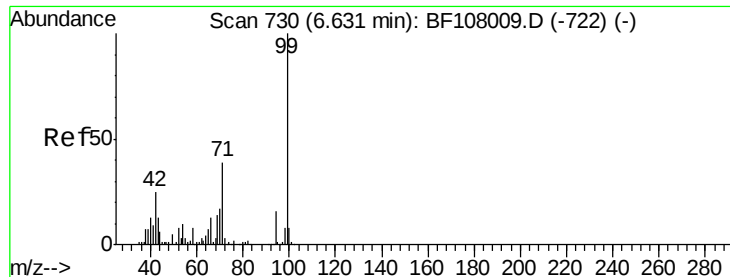
Abundance

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: 9.941 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

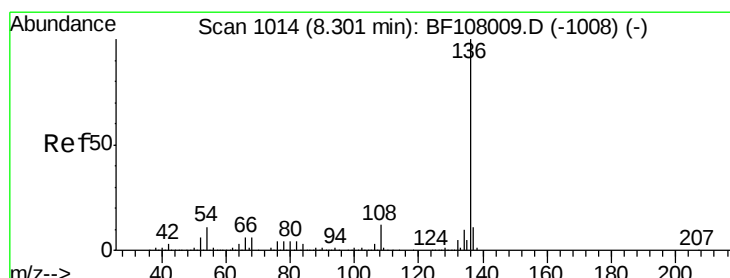
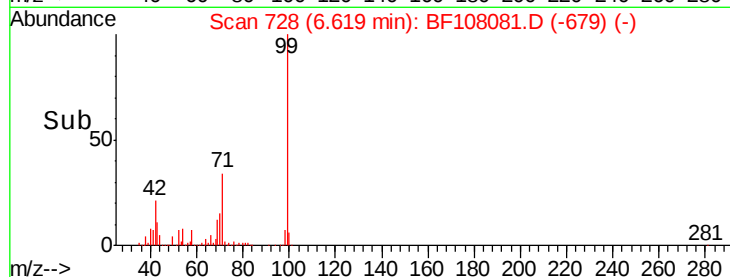
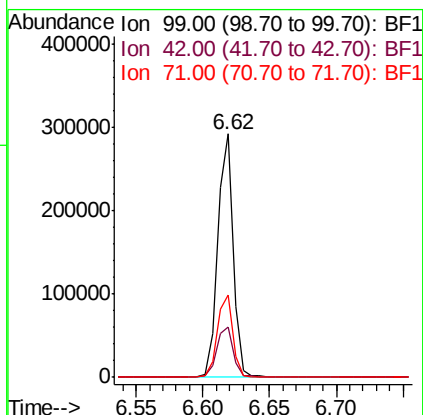
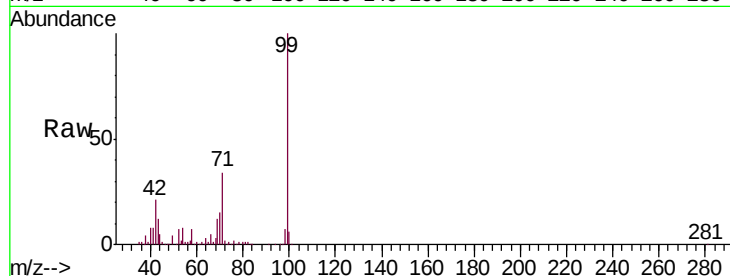
ClientSampleId :

OK-02-080718RE

Tgt Ion:	99	Resp:	238649
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

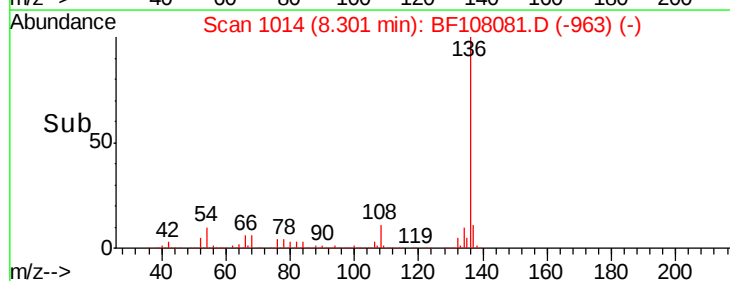
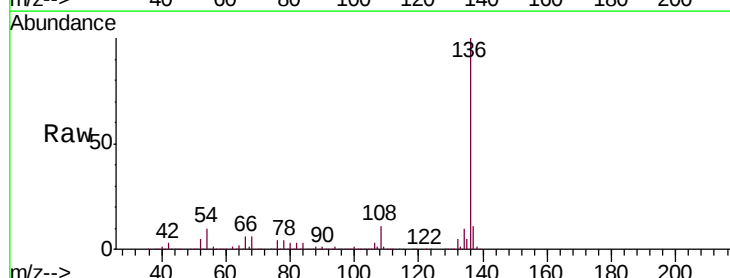
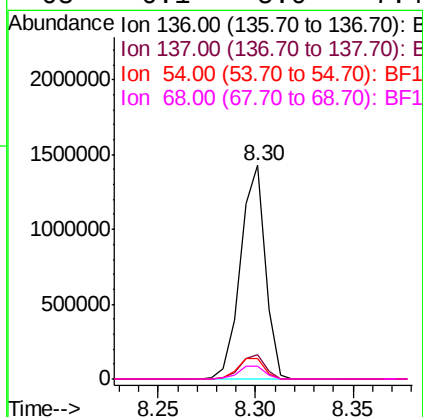
RT: 8.30 min Scan# 1014

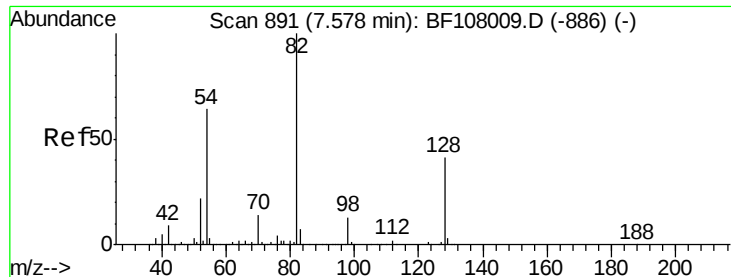
Delta R.T. 0.00 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Tgt Ion:	136	Resp:	1259225
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.8	6.6	9.8
68	6.1	5.0	7.4





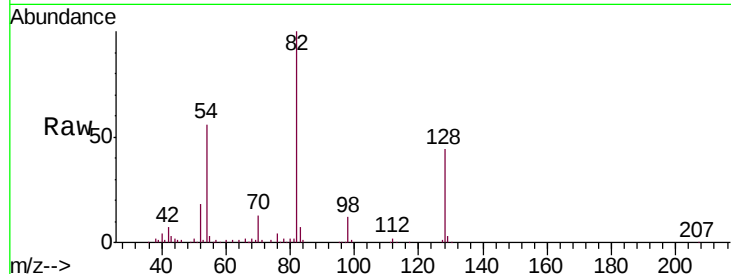
#23
Nitrobenzene-d5
Concen: 6.857 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

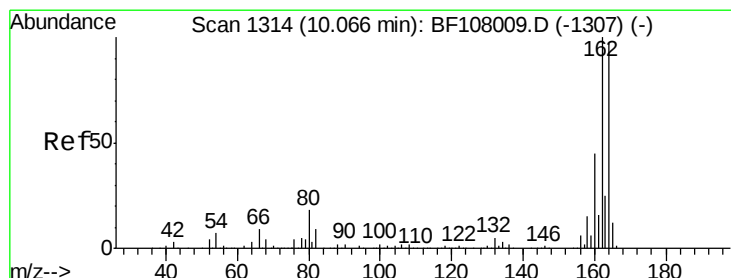
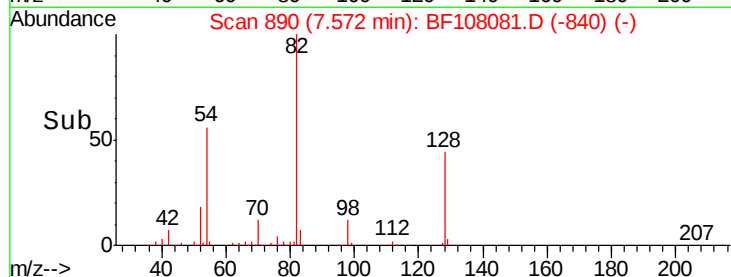
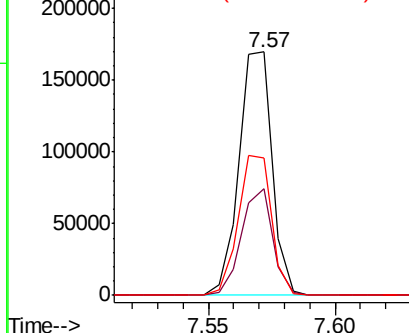
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	56.3	41.4	62.2

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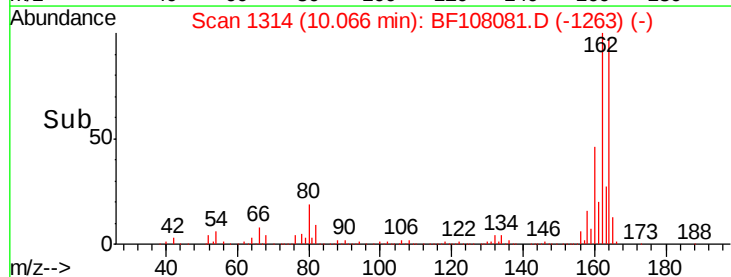
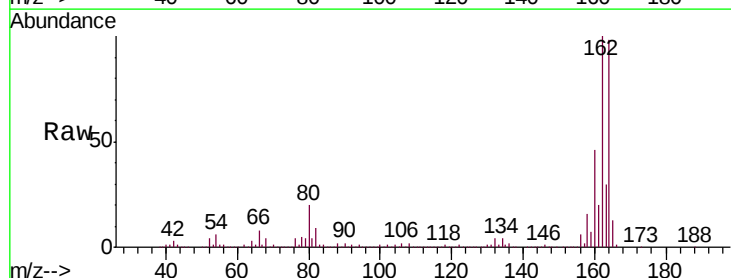
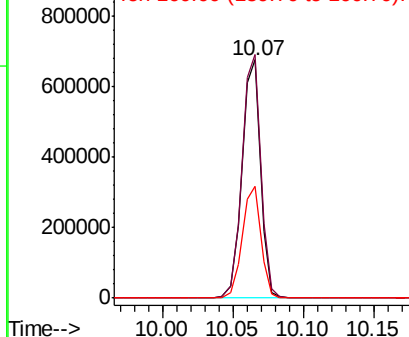
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

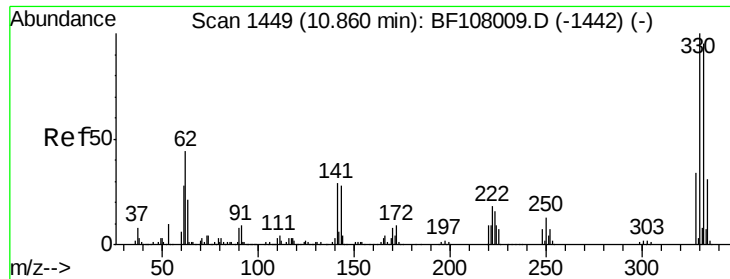


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.9	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





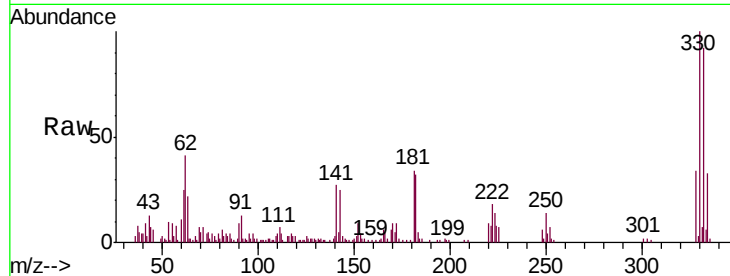
#41
 2,4,6-Tribromophenol
 Concen: 7.031 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	43298		
332	95.6	77.0	115.6	
141	33.5	29.9	44.9	

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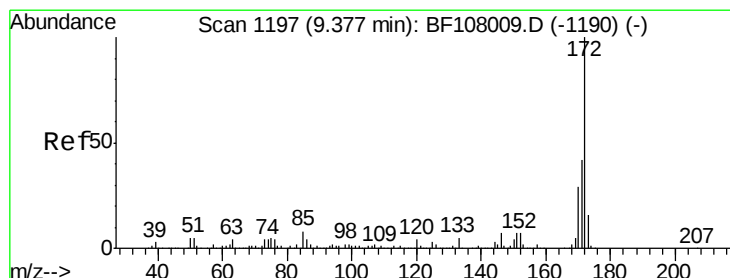
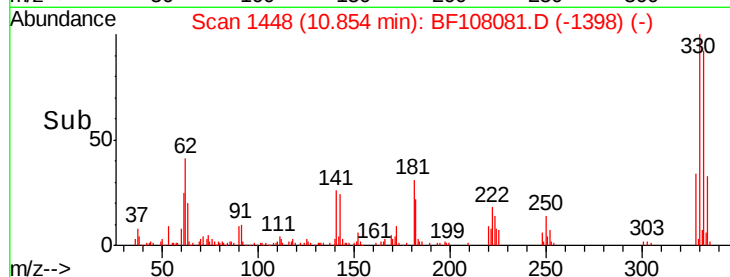
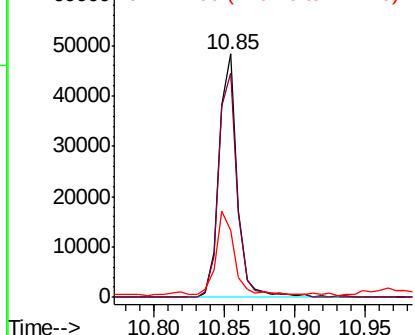


Abundance

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: 8.299 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

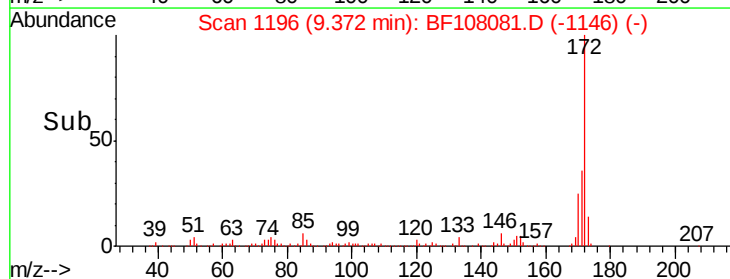
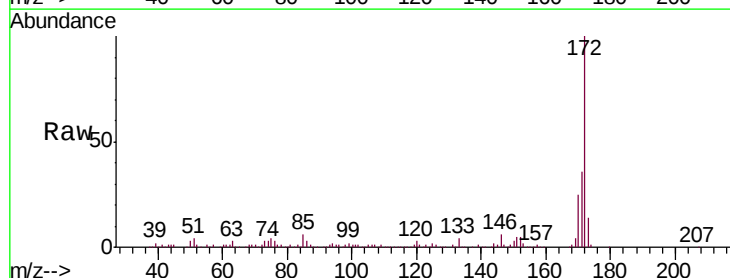
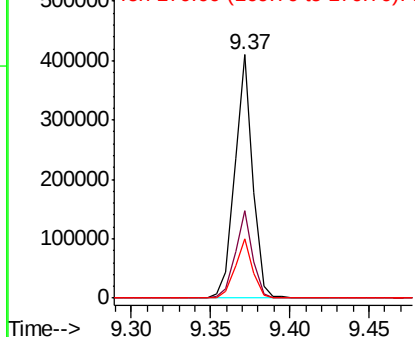
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	319168		
171	36.0	29.7	44.5	
170	24.5	19.6	29.4	

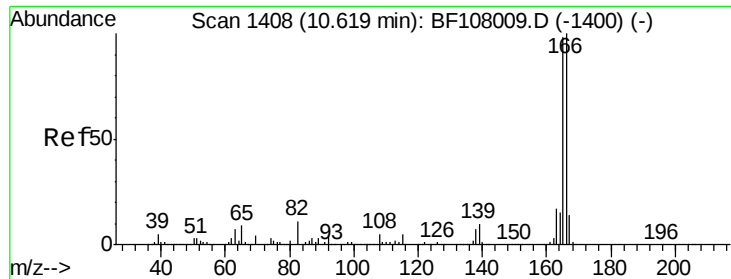
Abundance

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





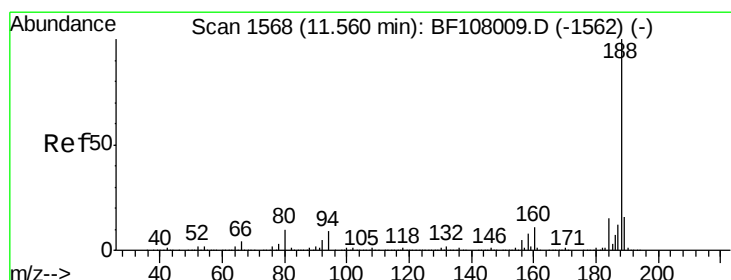
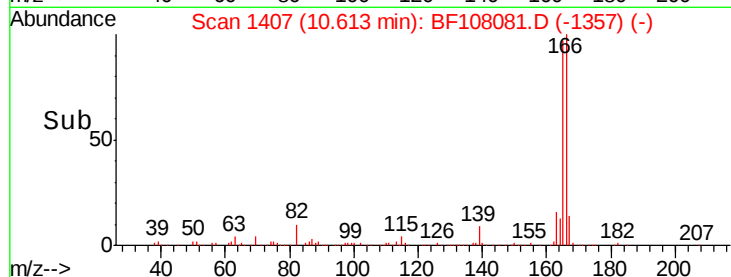
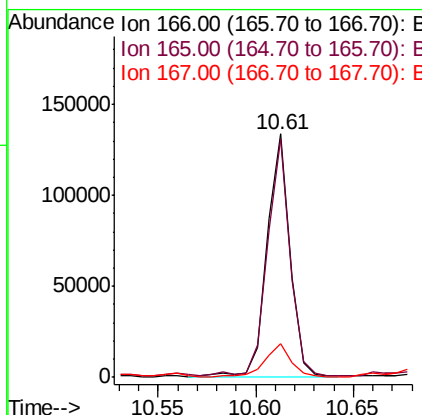
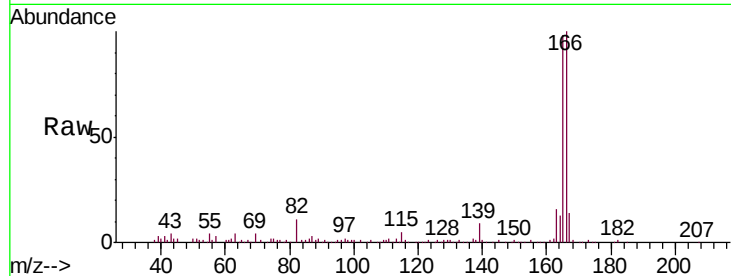
#57
Fluorene
 Concen: 2.696 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	13.9	10.6	16.0

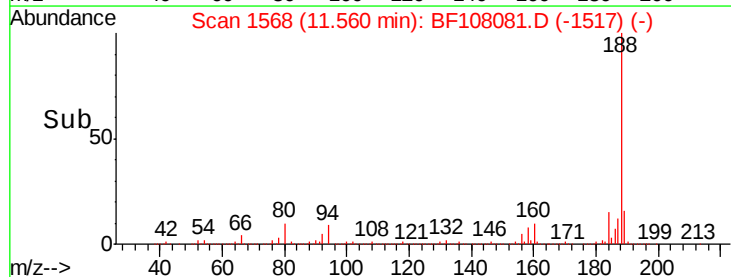
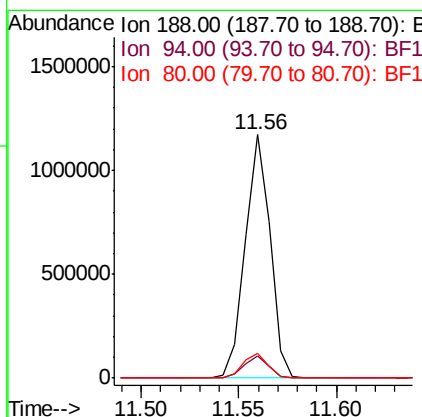
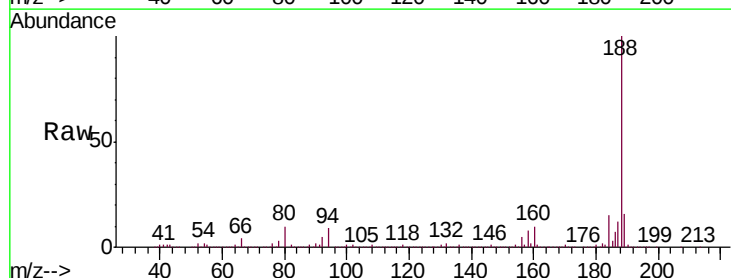
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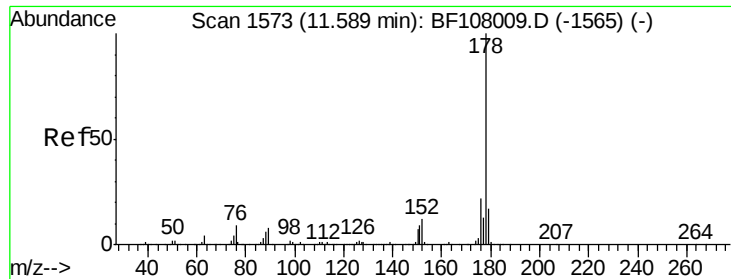
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8





#70

Phenanthrene

Concen: 18.344 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

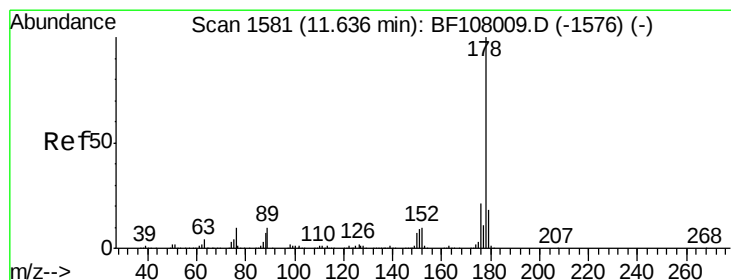
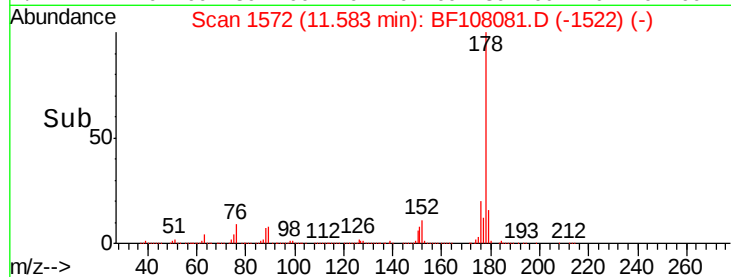
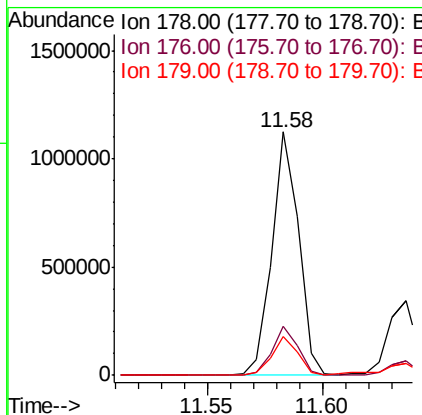
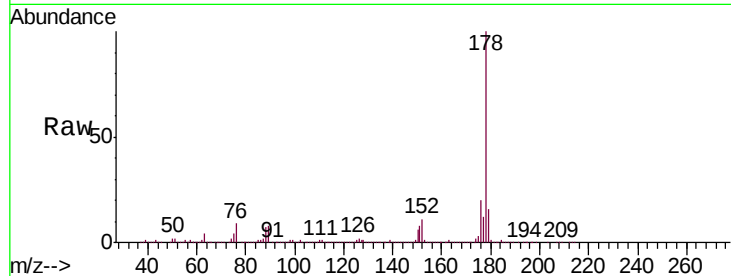
ClientSampleId :

OK-02-080718RE

Tgt Ion:	178	Resp:	897975
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.8	23.8
179	16.2	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 5.715 ng

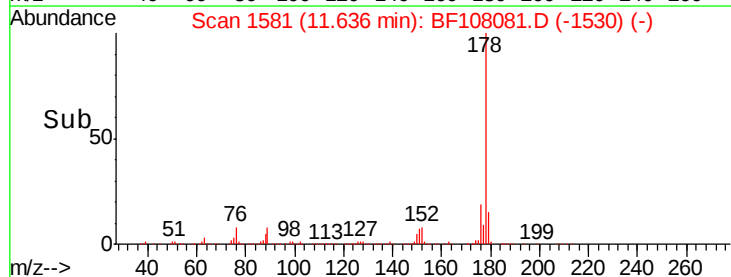
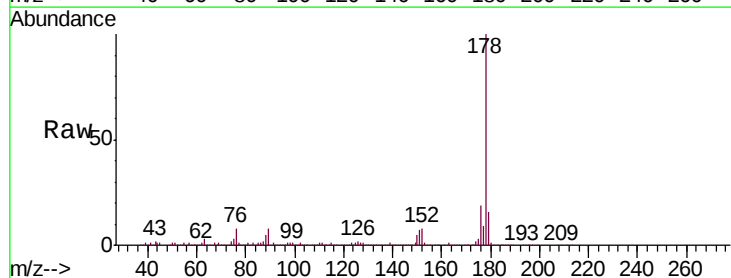
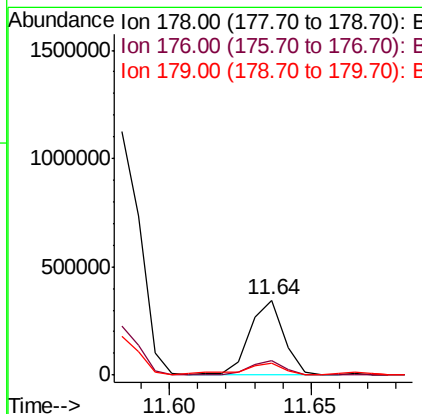
RT: 11.64 min Scan# 1581

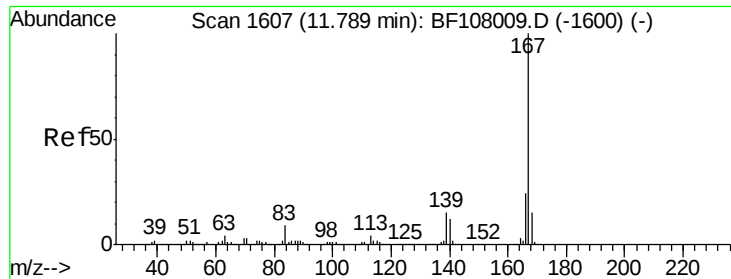
Delta R.T. 0.00 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Tgt Ion:	178	Resp:	286735
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.2
179	15.6	12.6	19.0





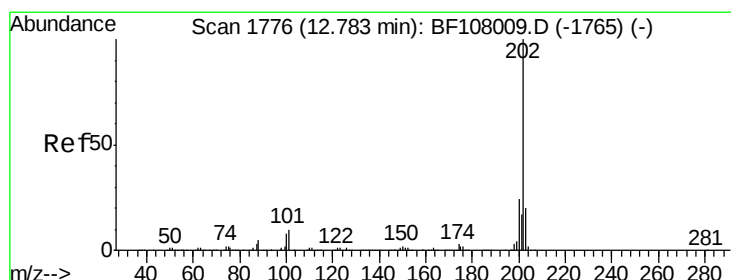
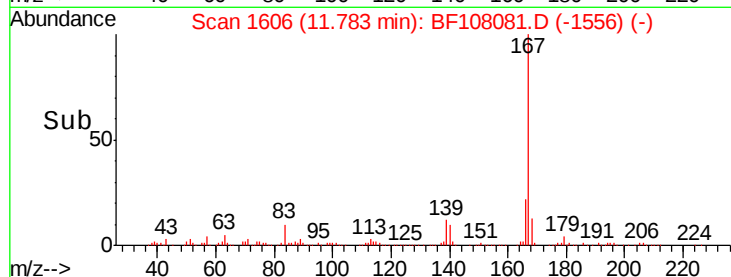
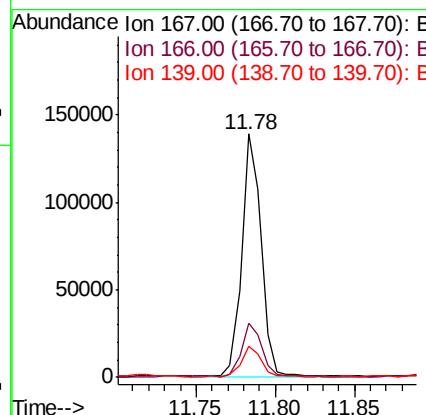
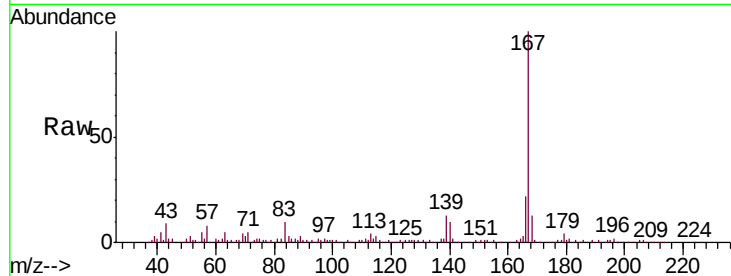
#72
 Carbazole
 Concen: 2.649 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718RE

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.6	10.9	16.3

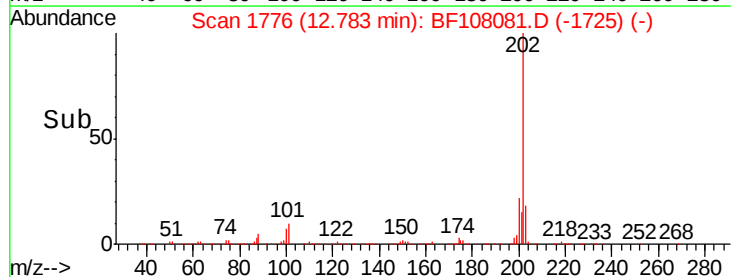
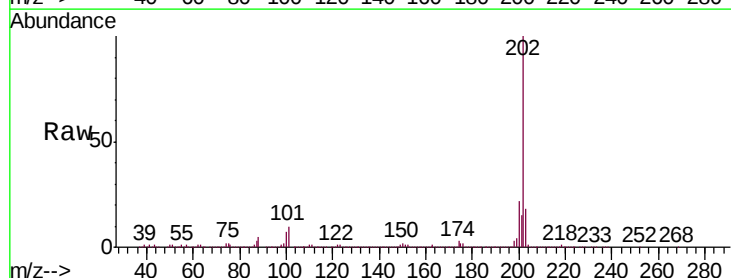
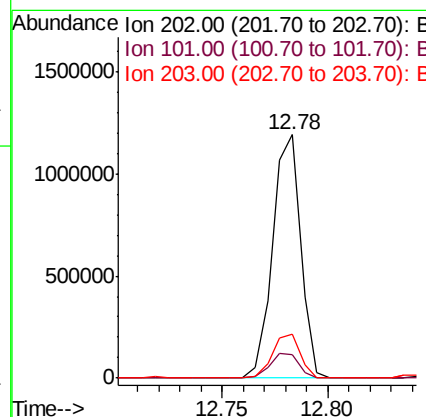
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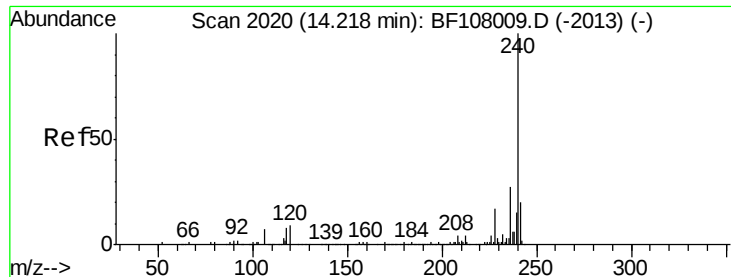
Sohil
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#74
 Fluoranthene
 Concen: 20.585 ng
 RT: 12.78 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

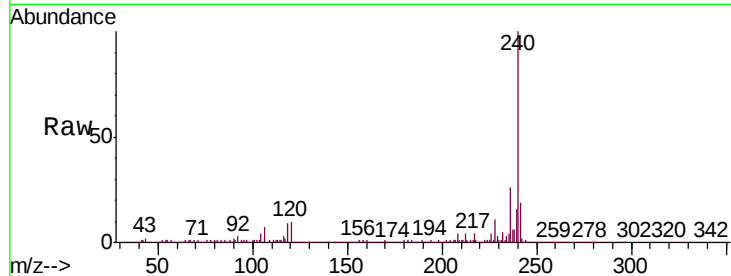
ClientSampleId :

OK-02-080718RE

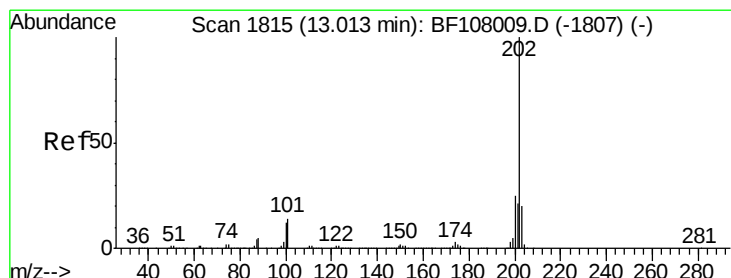
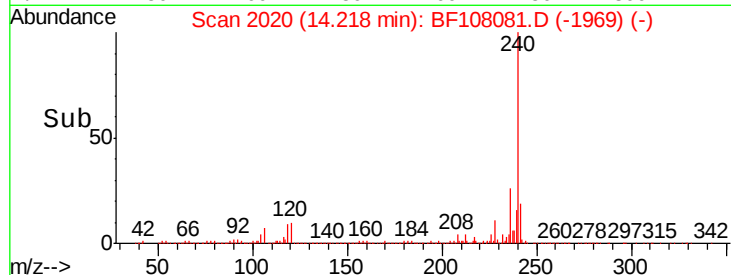
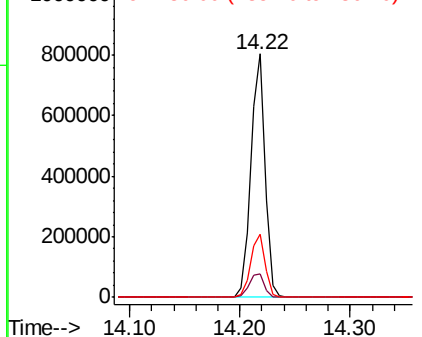
Tgt Ion:	240	Resp:	724483
Ion Ratio	Lower	Upper	
240	100		
120	9.7	9.5	14.3
236	26.2	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.775 ng

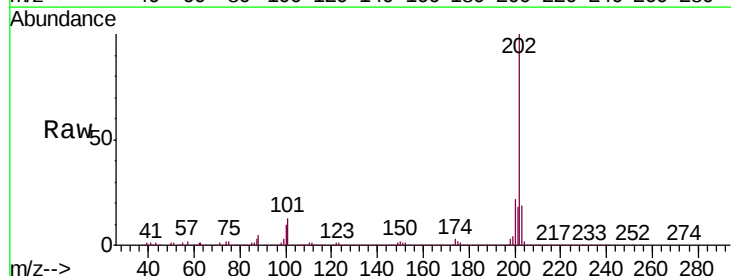
RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

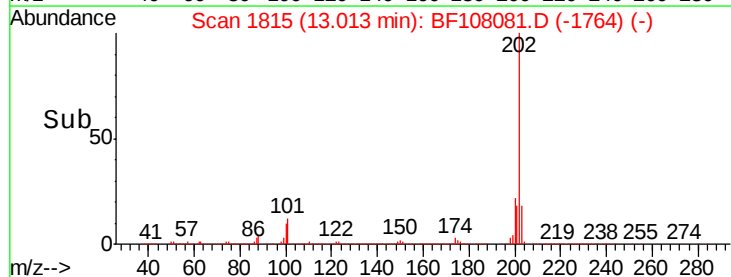
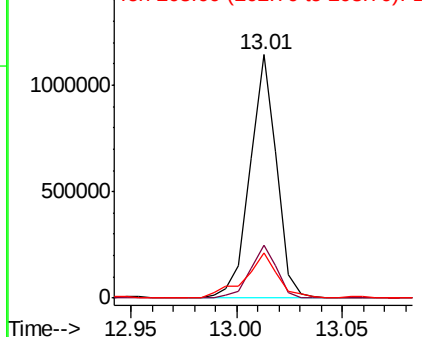
Lab File: BF108081.D

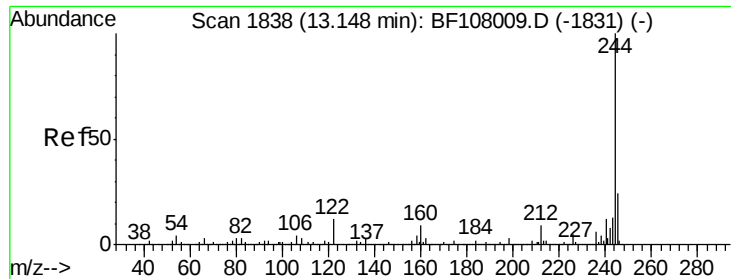
Acq: 10 Aug 2018 14:00

Tgt Ion:	202	Resp:	998782
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.608 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

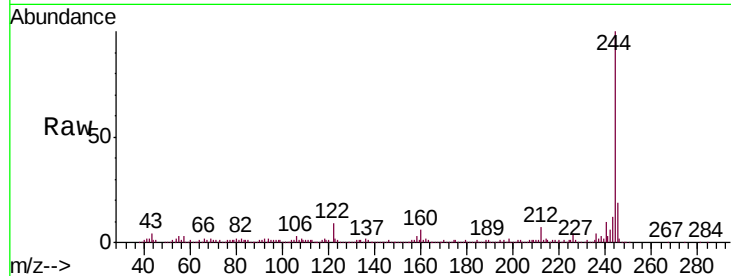
ClientSampleId :

OK-02-080718RE

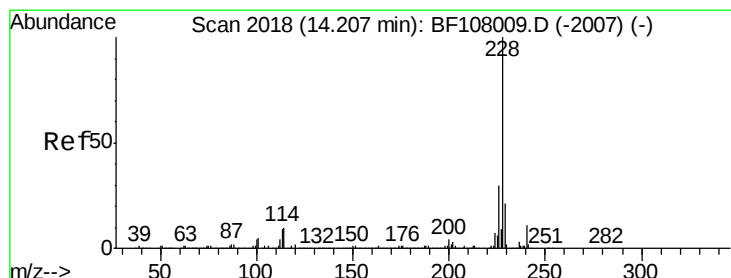
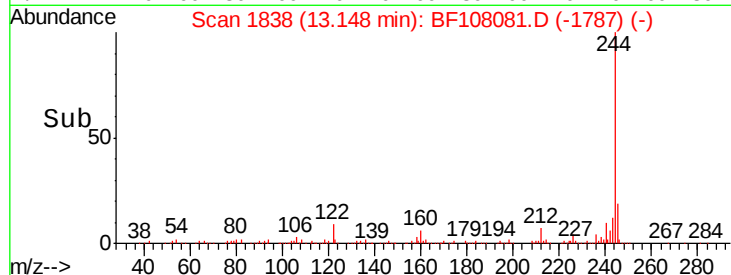
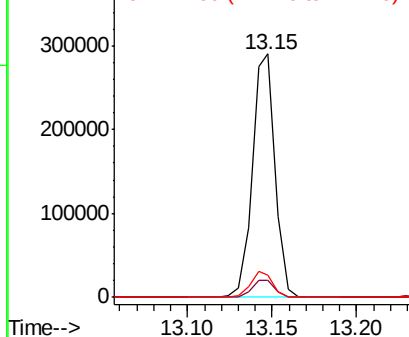
Tgt Ion:	244	Resp:	273764
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	9.0	11.0	16.4#

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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: 14.594 ng

RT: 14.21 min Scan# 2018

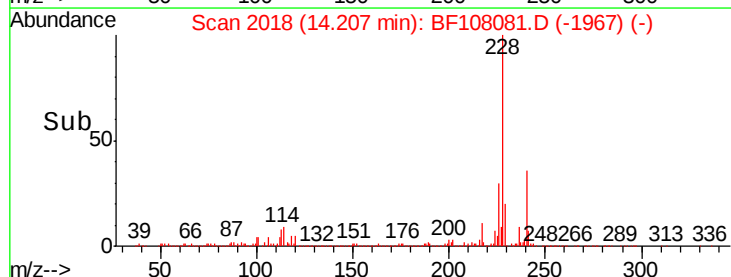
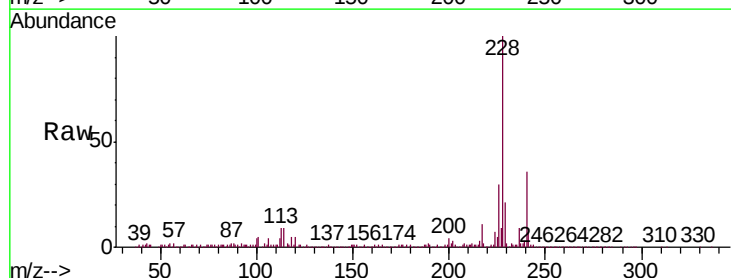
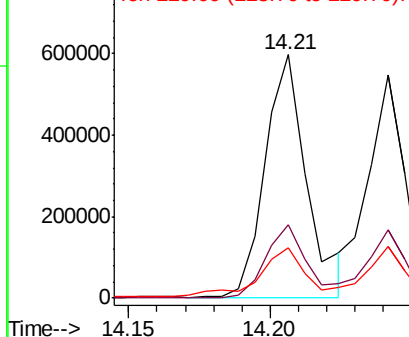
Delta R.T. 0.00 min

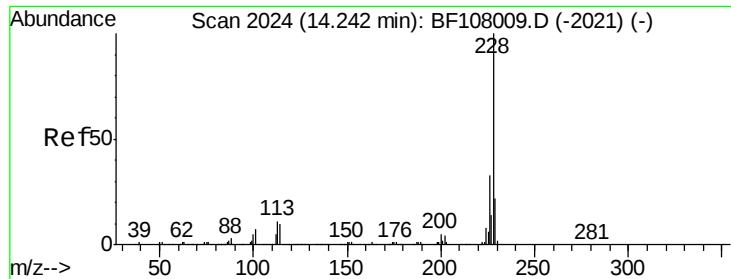
Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Tgt Ion:	228	Resp:	606808
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	20.7	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: 12.829 ng

RT: 14.24 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

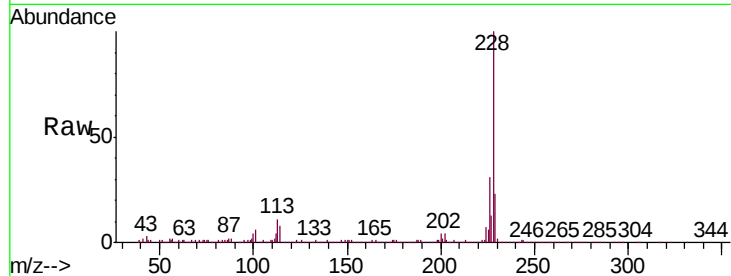
ClientSampleId :

OK-02-080718RE

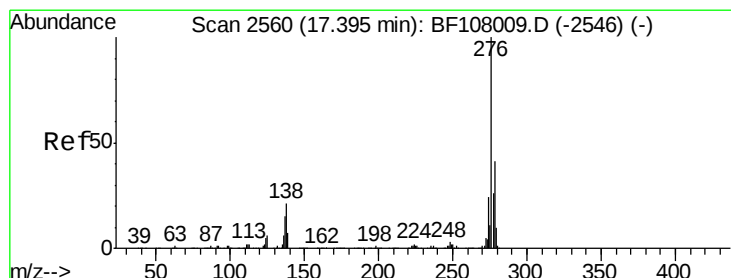
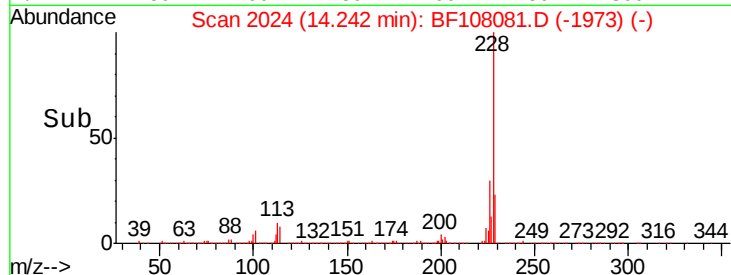
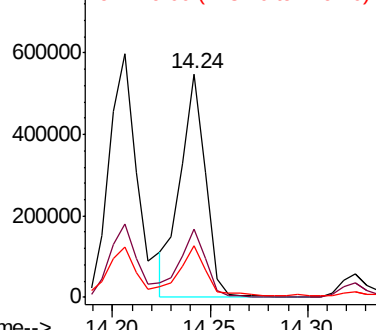
Tgt Ion:	228	Resp:	489026
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	23.1	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.109 ng m

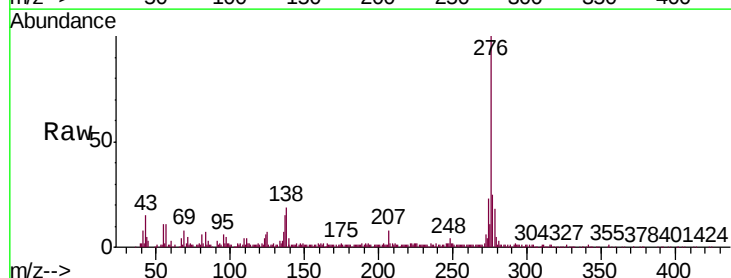
RT: 17.40 min Scan# 2561

Delta R.T. 0.01 min

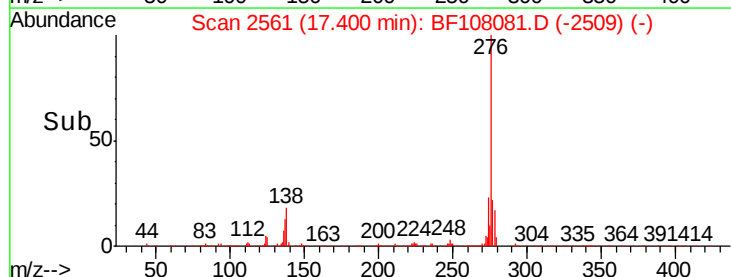
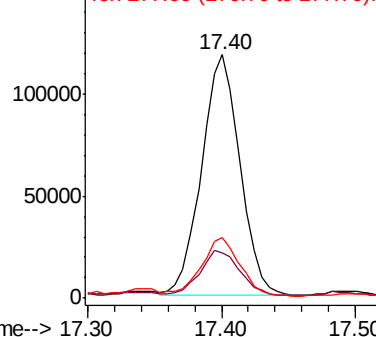
Lab File: BF108081.D

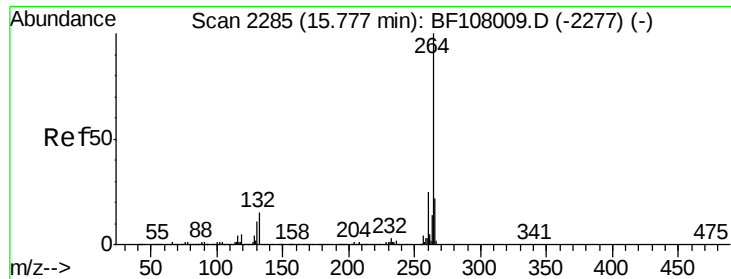
Acq: 10 Aug 2018 14:00

Tgt Ion:	276	Resp:	234803
Ion Ratio	Lower	Upper	
276	100		
138	4.7	25.0	37.6#
277	4.9	20.1	30.1#



Abundance Ion 276.00 (275.70 to 276.70): E
150000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Instrument :

BNA_F

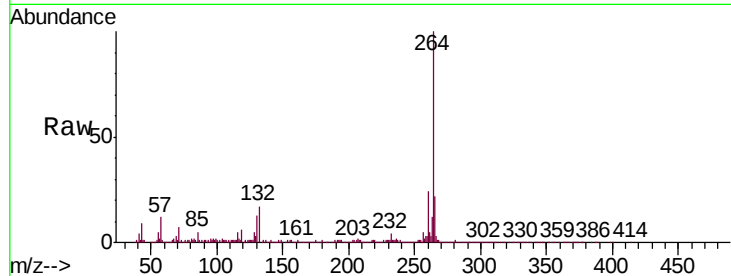
ClientSampleId :

OK-02-080718RE

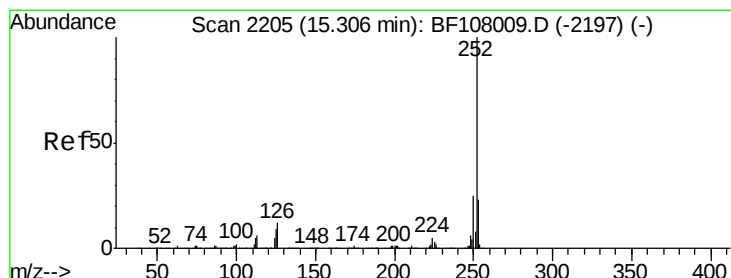
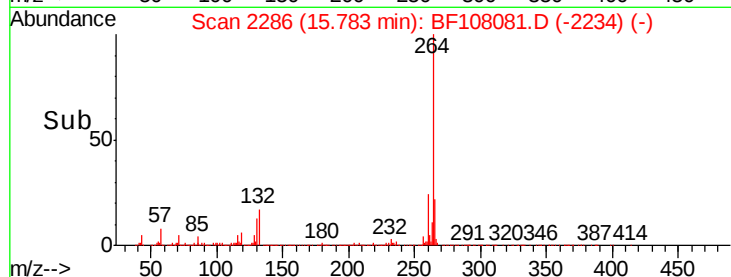
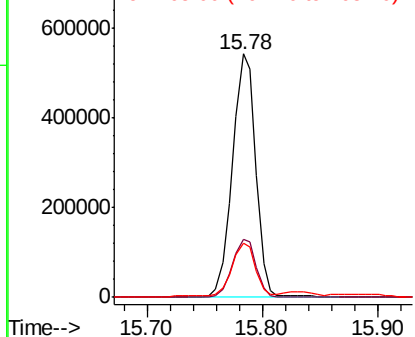
Tgt Ion:	264	Resp:	751297
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 15.439 ng m

RT: 15.31 min Scan# 2205

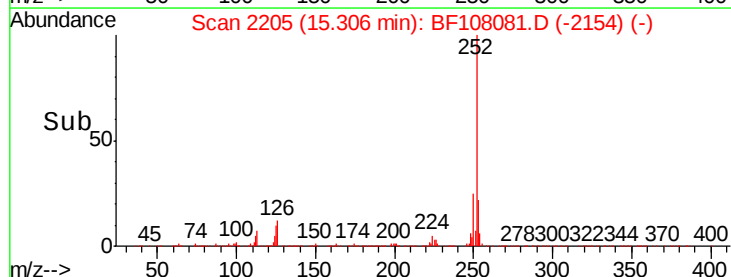
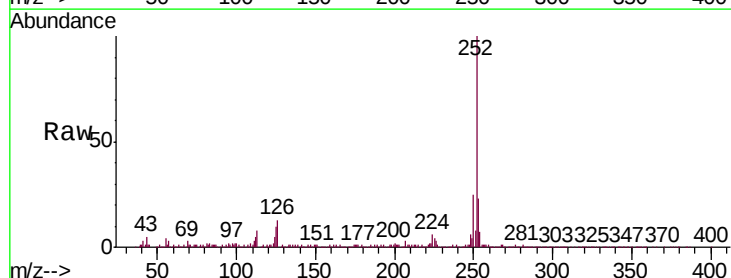
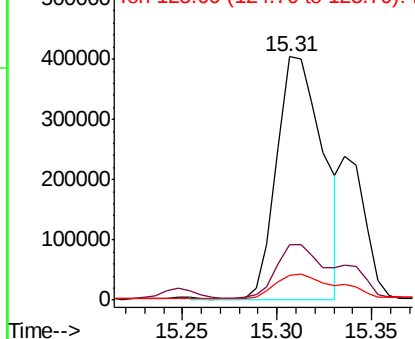
Delta R.T. 0.00 min

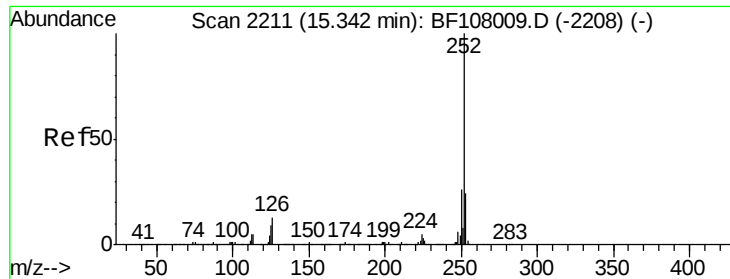
Lab File: BF108081.D

Acq: 10 Aug 2018 14:00

Tgt Ion:	252	Resp:	693100
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.4	9.0	13.6

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





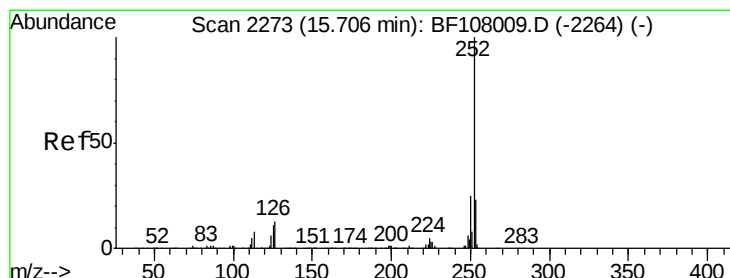
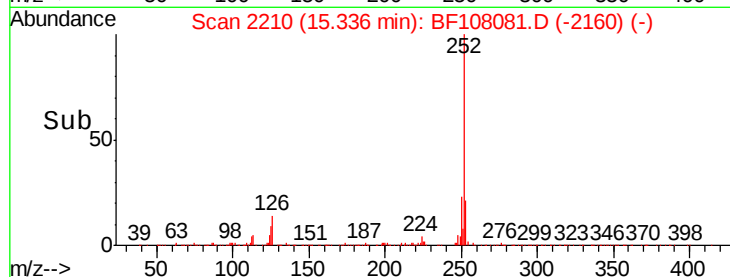
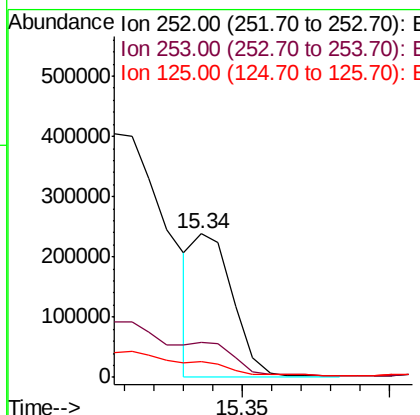
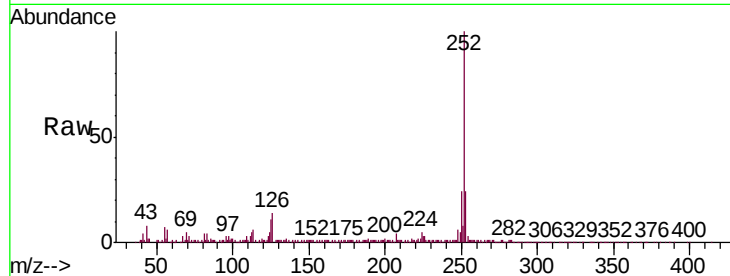
#88
Benzo(k)fluoranthene
Concen: 5.407 ng m
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	223121		
253	24.2	17.9	26.9	
125	10.8	10.2	15.2	

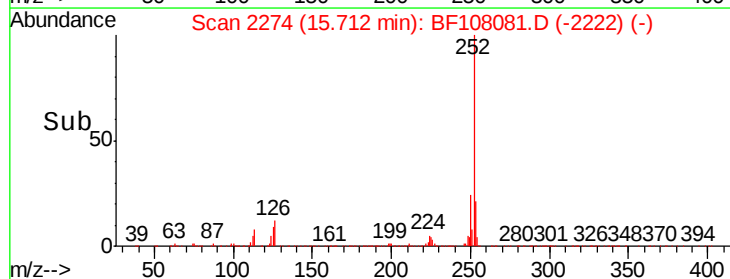
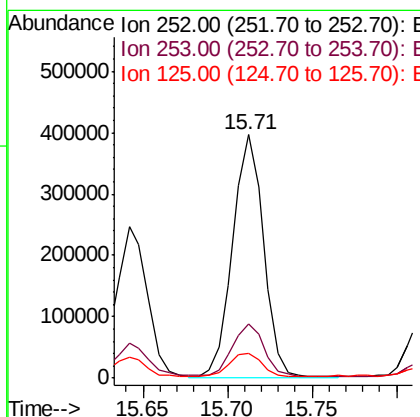
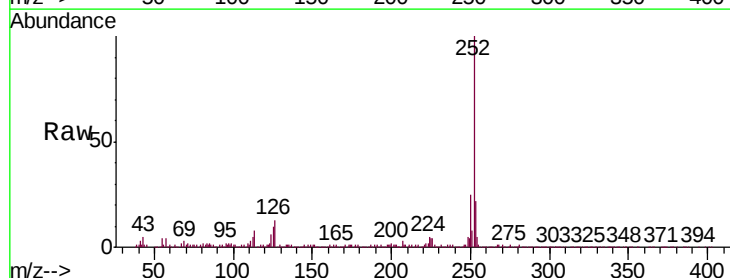
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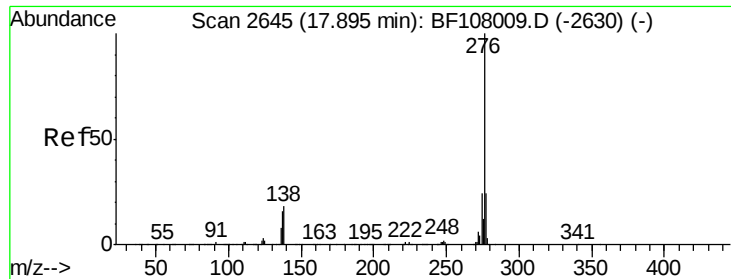
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#89
Benzo(a)pyrene
Concen: 12.509 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	502855		
253	22.4	17.1	25.7	
125	10.1	9.8	14.6	





#91
 Benzo(g,h,i)perylene
 Concen: 6.105 ng m
 RT: 17.89 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: BF108081.D
 Acq: 10 Aug 2018 14:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-080718RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	21.8	21.8	32.8#

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