

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108357.D
 Acq On : 22 Aug 2018 00:20
 Operator : JU/SJ
 Sample : J4271-11 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-B

Manual Integrations
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Quant Time: Aug 22 01:52:26 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	164417	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	613713	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	273950	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	447022	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	372208	20.00	ng	-0.02
86) Perylene-d12	15.75	264	323307	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	97177	10.70	ng	-0.01
7) Phenol-d6	6.61	99	133033	11.02	ng	-0.02
23) Nitrobenzene-d5	7.56	82	80921	7.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	23123	8.46	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	154895	9.08	ng	-0.02
78) Terphenyl-d14	13.12	244	119215	8.14	ng	-0.02
Target Compounds						
31) Naphthalene	8.31	128	57987	2.078	ng	97
51) Acenaphthene	10.08	154	39642	2.564	ng	99
57) Fluorene	10.60	166	72176	4.071	ng	100
70) Phenanthrene	11.57	178	387360	18.372	ng	98
71) Anthracene	11.62	178	114239	5.286	ng	98
74) Fluoranthene	12.77	202	449365	19.528	ng	95
77) Pyrene	12.99	202	419034	17.782	ng	99
80) Benzo(a)anthracene	14.19	228	209310	9.799	ng	98
82) Chrysene	14.22	228	181867	9.287	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	69679	4.106	ng	# 87
87) Benzo(b)fluoranthene	15.28	252	223717m	11.580	ng	
88) Benzo(k)fluoranthene	15.31	252	59427m	3.346	ng	
89) Benzo(a)pyrene	15.68	252	154517	8.932	ng	97
91) Benzo(a,h,i)perylene	17.85	276	62359	4.424	ng	# 87

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

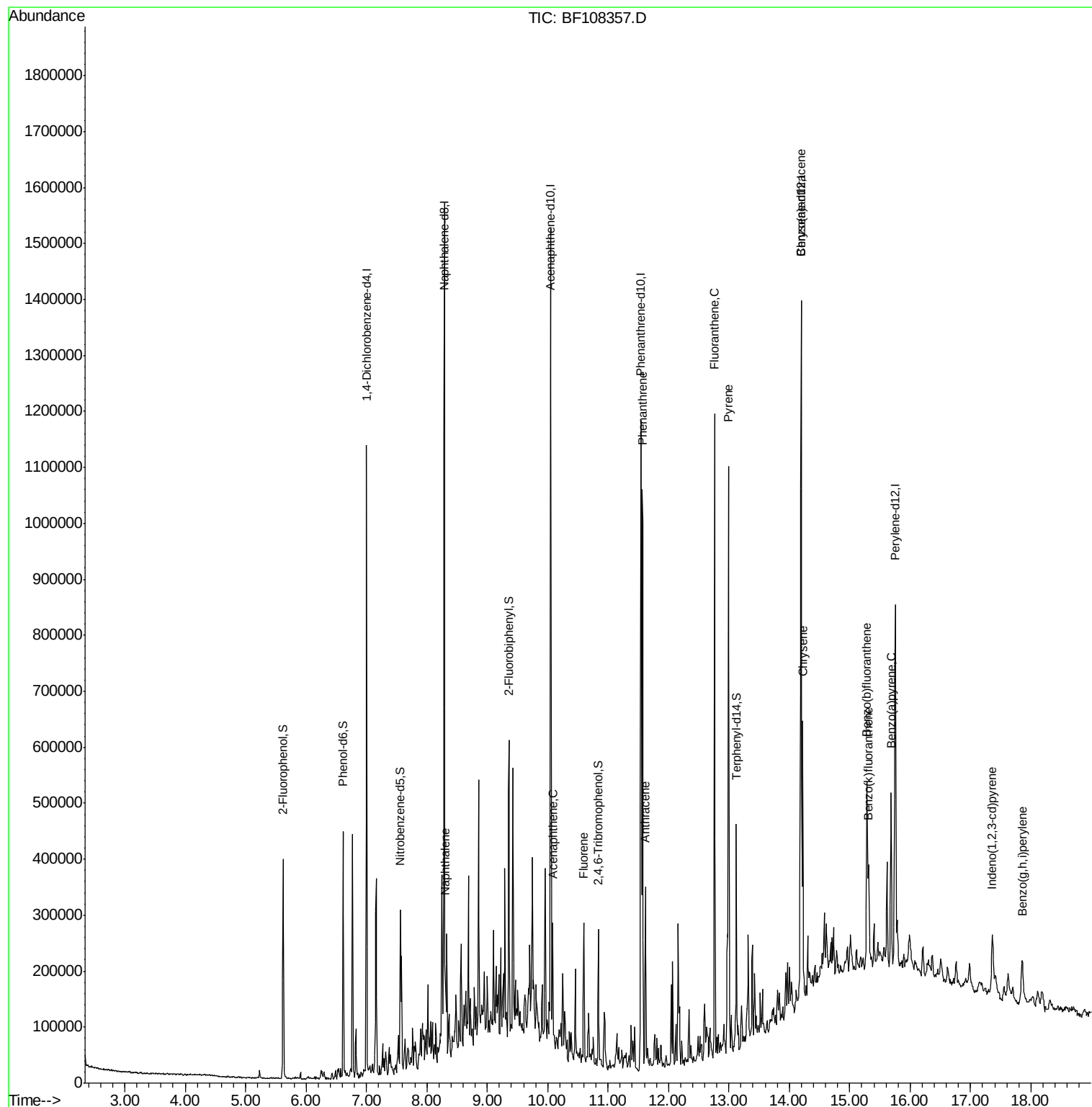
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

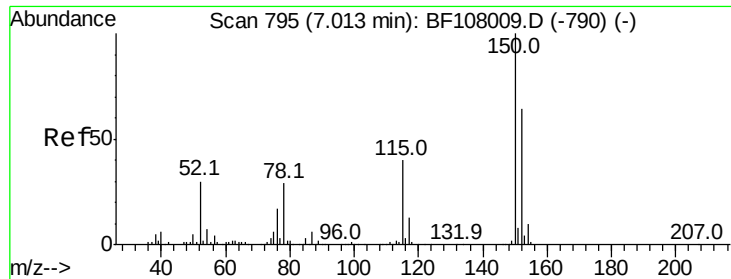
Instrument :
BNA_F
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HR-06-082018-B

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#1

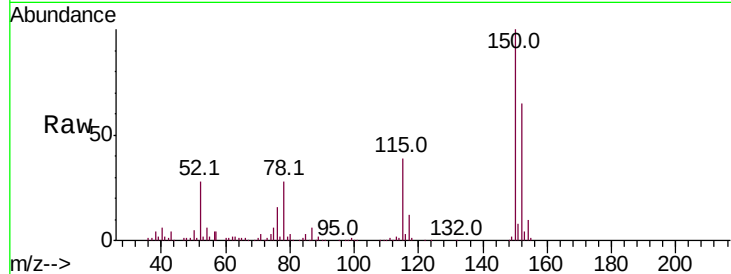
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampled :
HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.6	186.8
115	60.2	50.1	75.1

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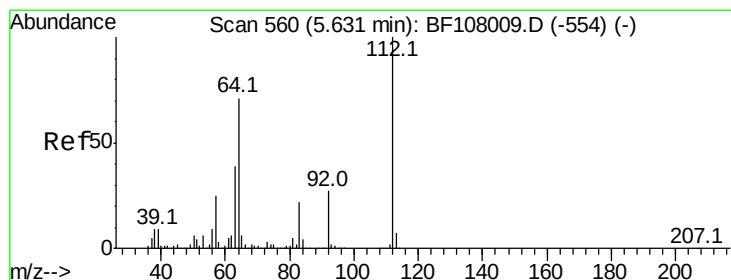
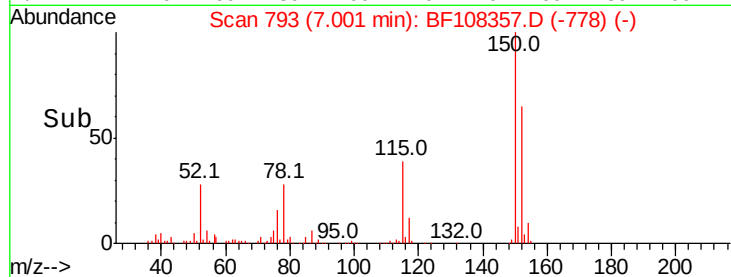
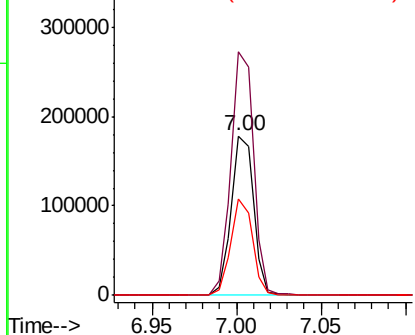


Abundance

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: 10.701 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

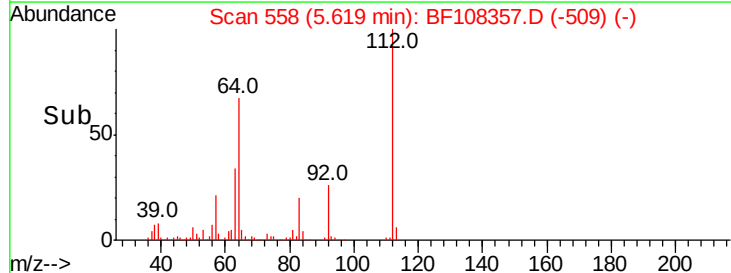
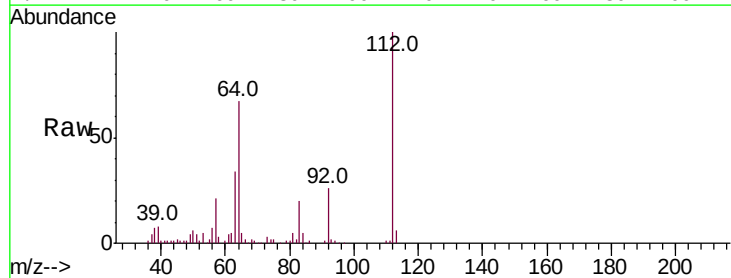
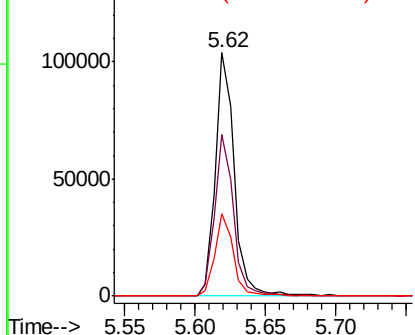
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	47.9	71.9
63	34.0	23.7	35.5

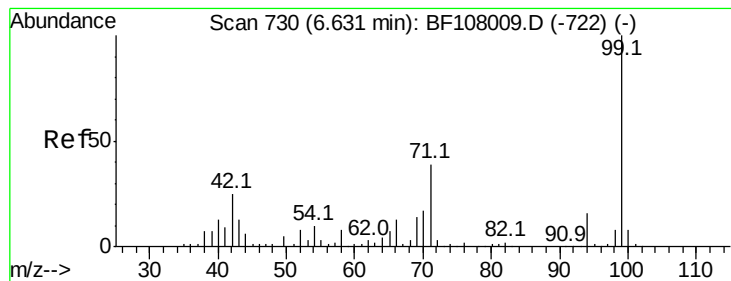
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 11.023 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Instrument :

BNA_F

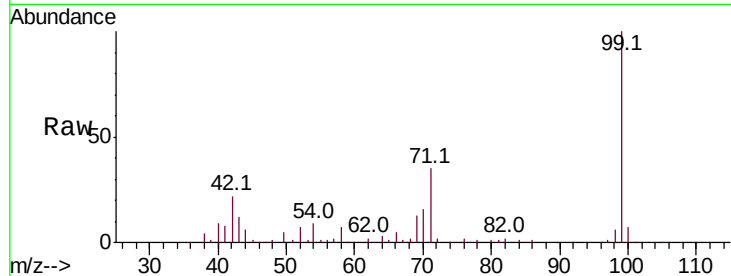
ClientSampleId :

HR-06-082018-B

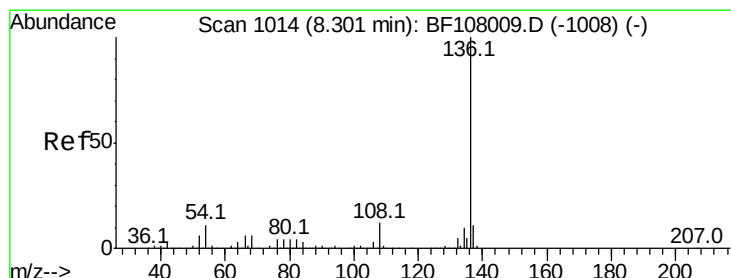
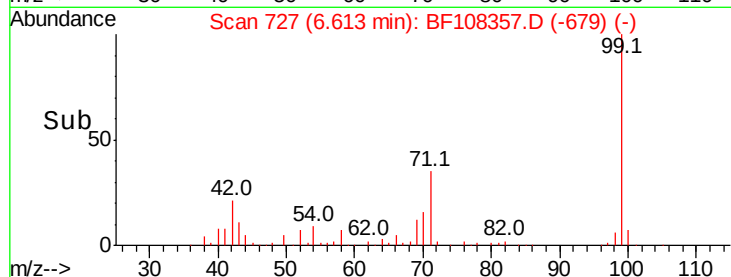
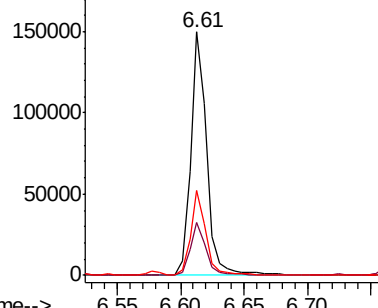
Tot Ion:	99	Resp:	133033
Ion Ratio	Lower	Upper	
99	100		
42	21.5	14.5	21.7
71	34.9	25.4	38.0

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

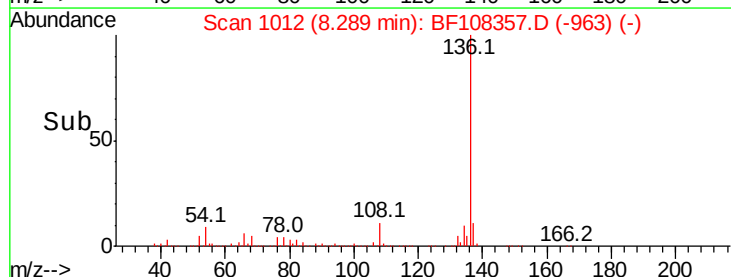
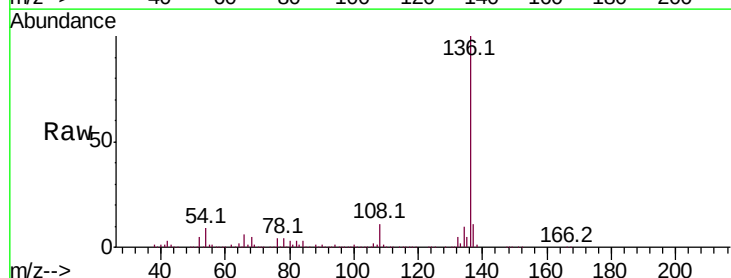
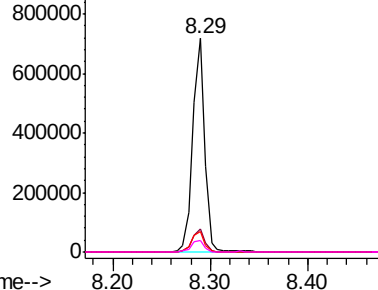
Delta R.T. -0.01 min

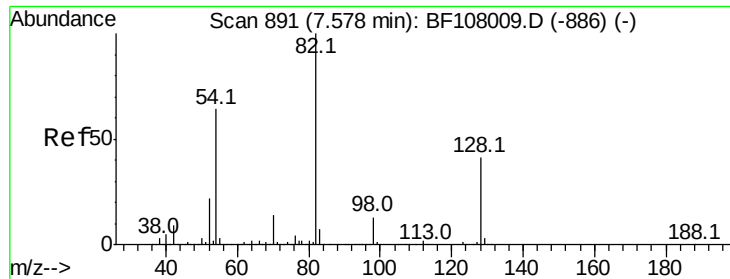
Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Tgt Ion:	136	Resp:	613713
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.4	6.6	9.8
68	5.5	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





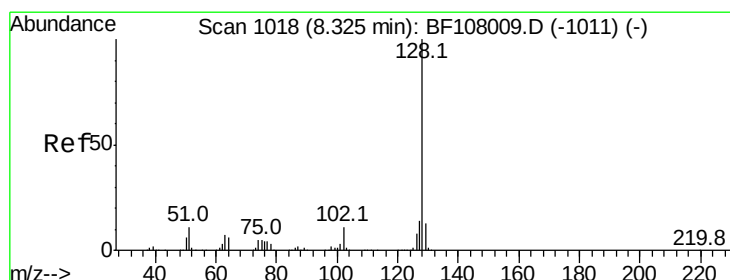
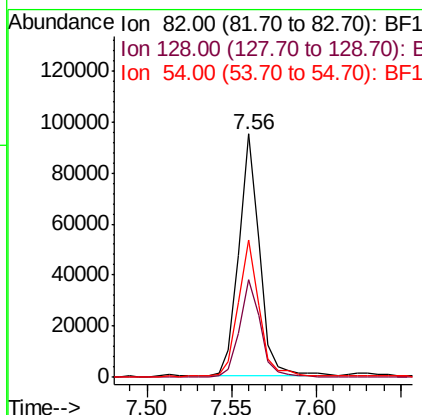
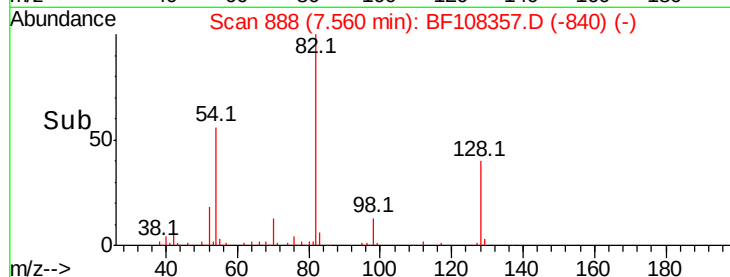
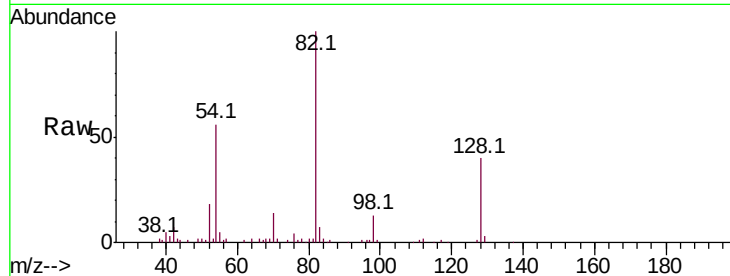
#23
Nitrobenzene-d5
Concen: 7.358 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	36.1	54.1
54	56.4	41.4	62.2

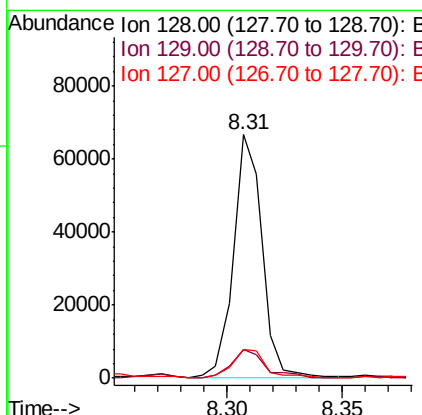
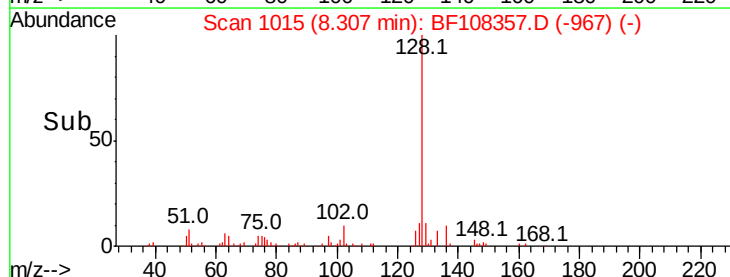
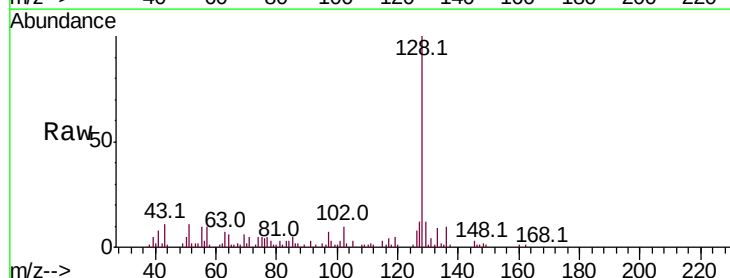
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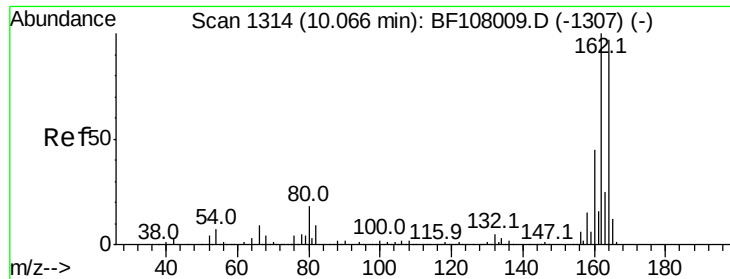
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#31
Naphthalene
Concen: 2.078 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	12.0	10.9	16.3





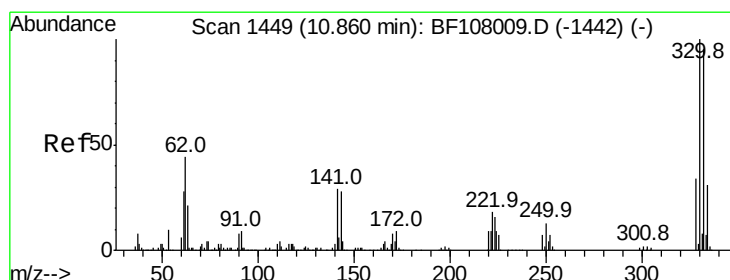
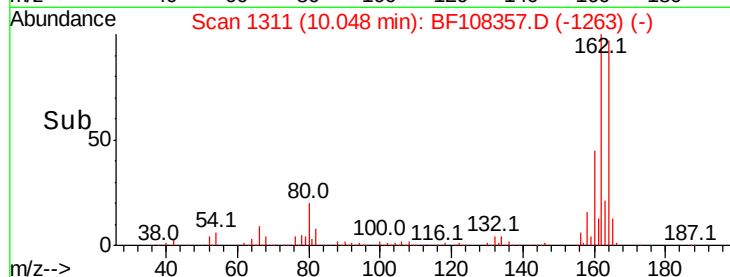
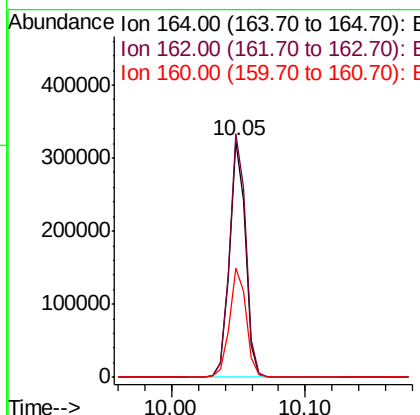
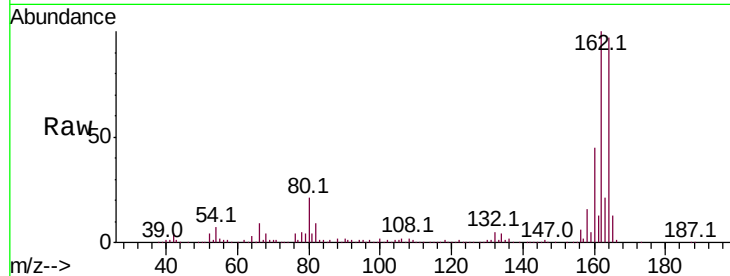
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	86.1	129.1	
160	46.3	38.3	57.5	

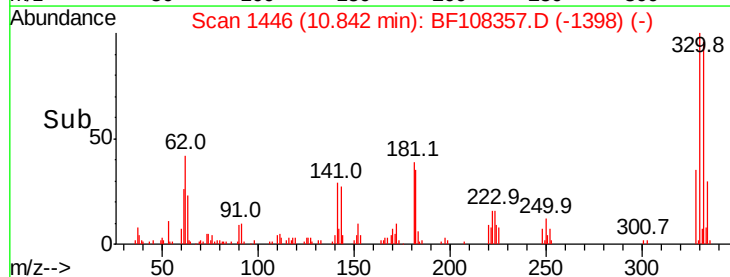
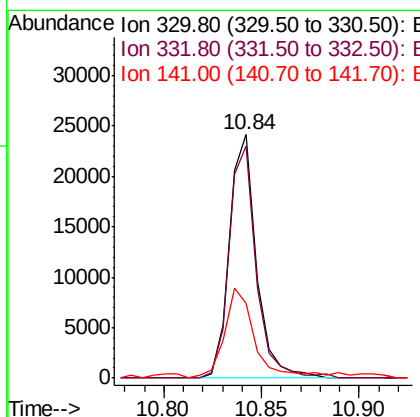
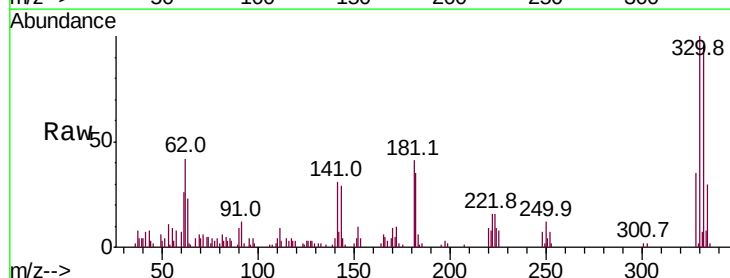
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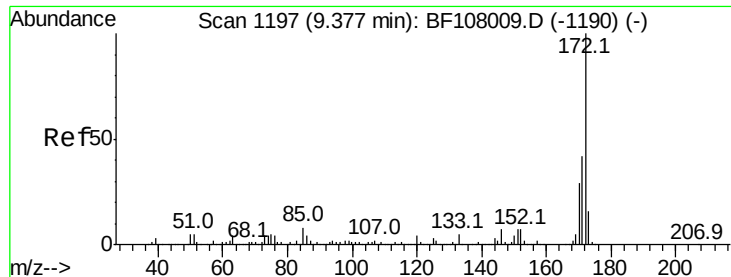
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#41
2,4,6-Tribromophenol
Concen: 8.462 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	41.5	29.9	44.9	





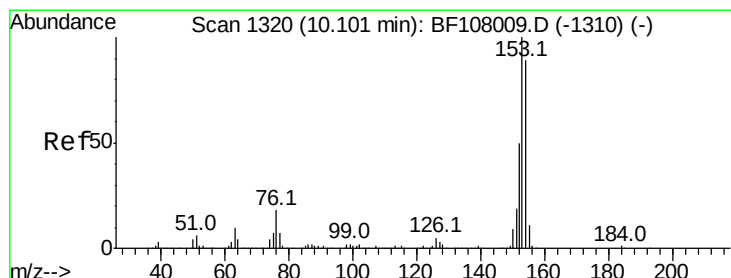
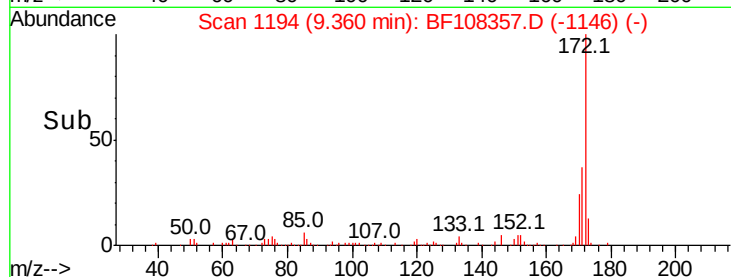
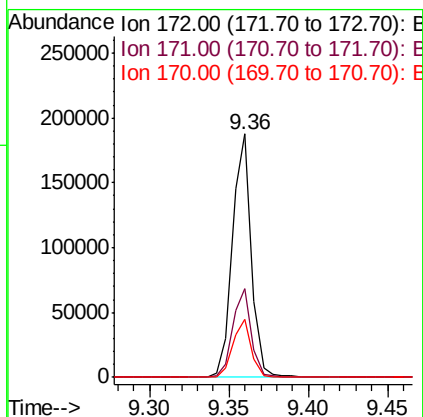
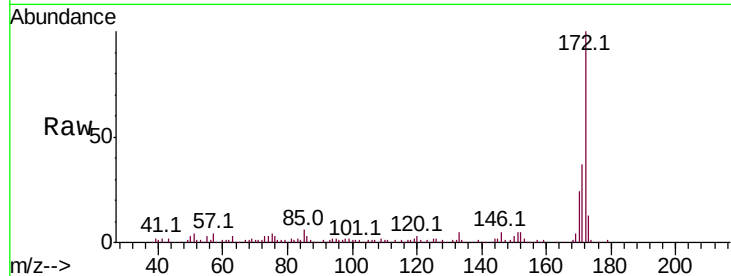
#44
2-Fluorobiphenyl
Concen: 9.078 ng
RT: 9.36 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-B

Tot Ion:	172	Resp:	154895
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.7	44.5
170	23.9	19.6	29.4

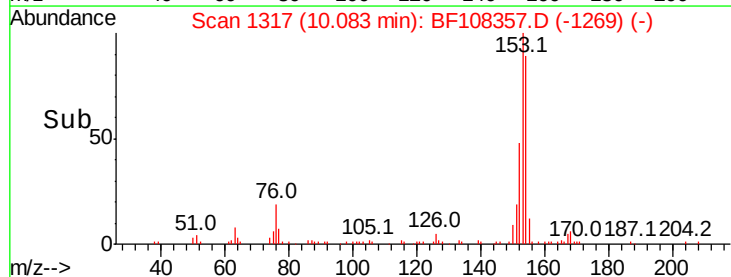
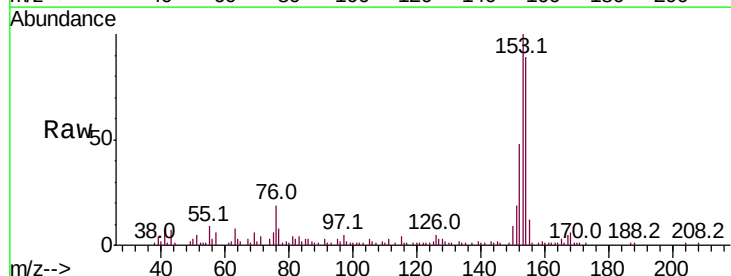
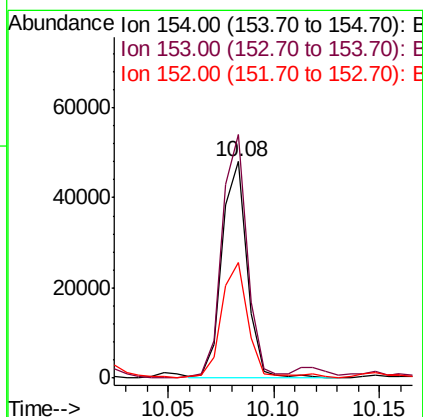
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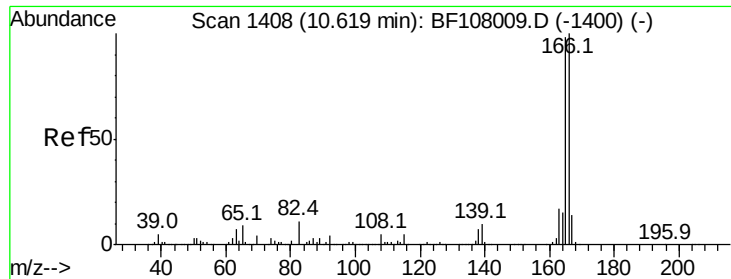
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#51
Acenaphthene
Concen: 2.564 ng
RT: 10.08 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion:	154	Resp:	39642
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.2	136.8
152	53.8	43.8	65.8





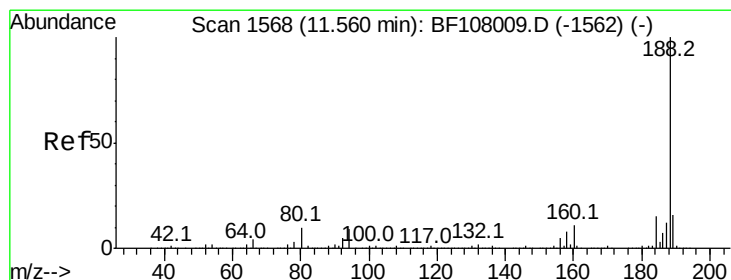
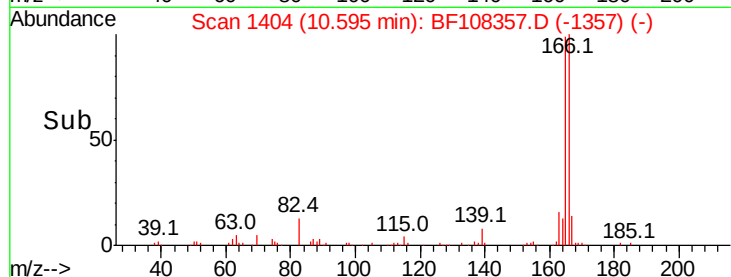
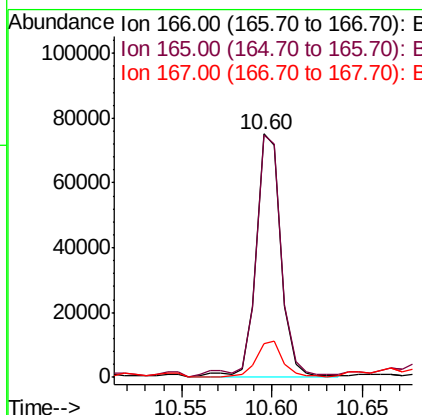
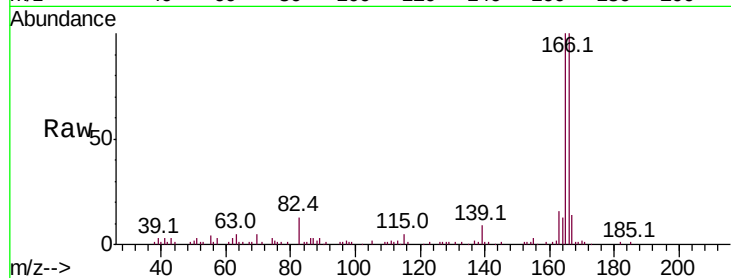
#57
Fluorene
 Concen: 4.071 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.02 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	13.9	10.6	16.0

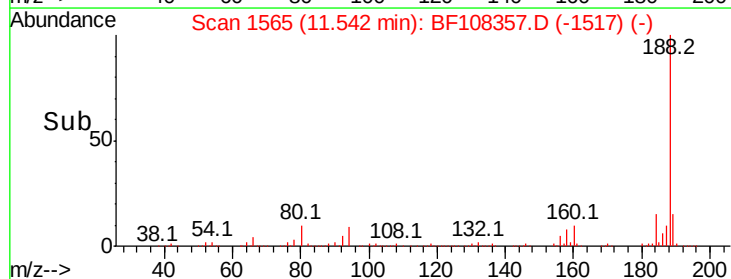
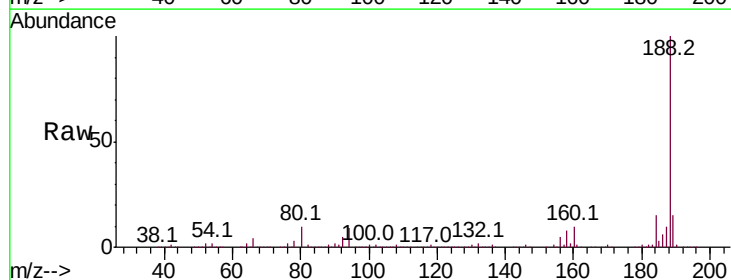
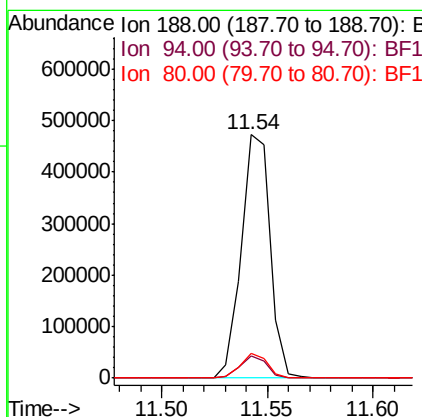
Manual Integrations
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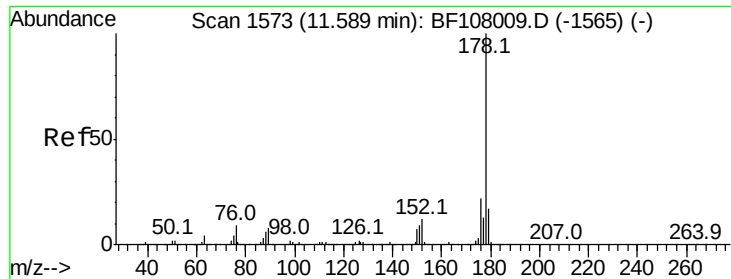
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	10.1	9.2	13.8





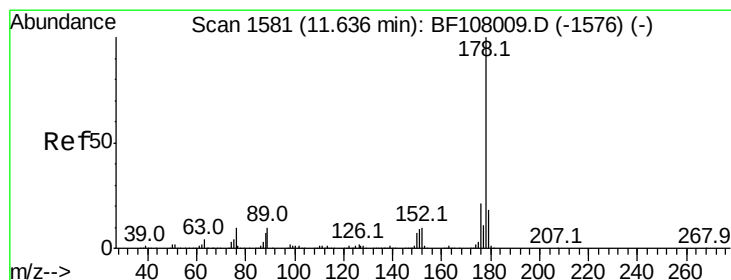
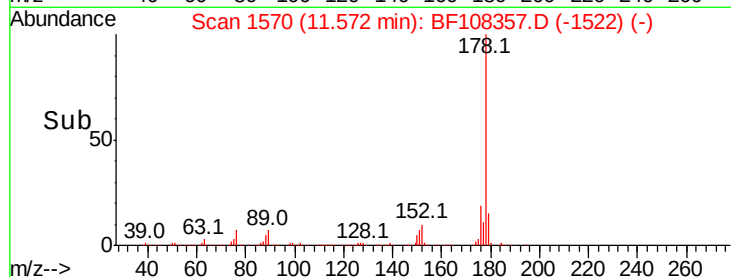
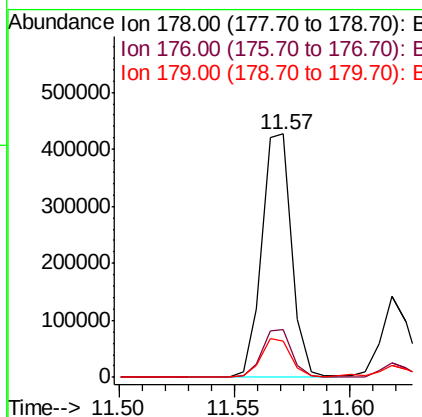
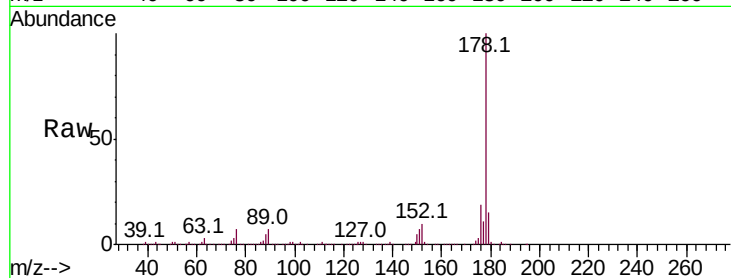
#70
 Phenanthrene
 Concen: 18.372 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

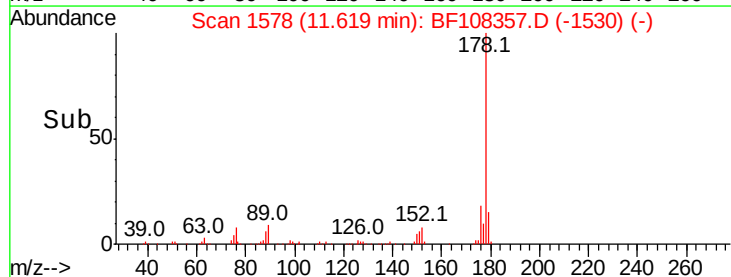
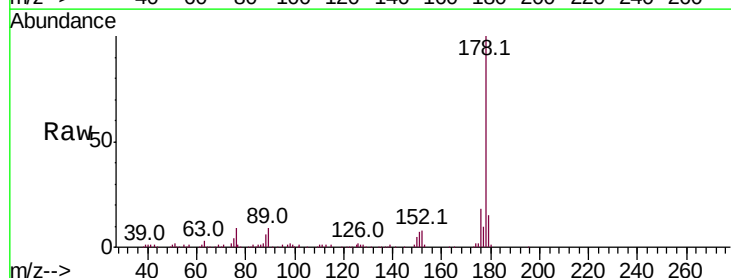
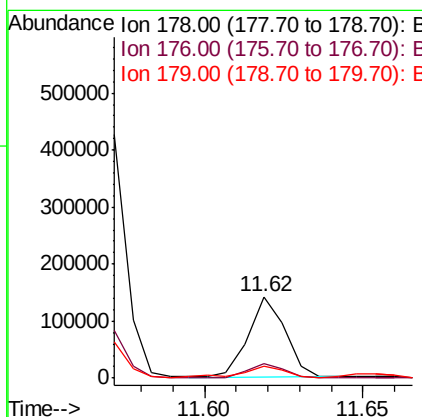
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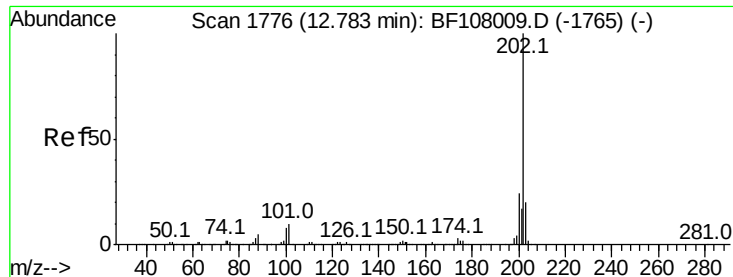
Sohil
 8/22/2018 4:03:16 PM



#71
 Anthracene
 Concen: 5.286 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.3	12.6	19.0





#74

Fluoranthene

Concen: 19.528 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Instrument :

BNA_F

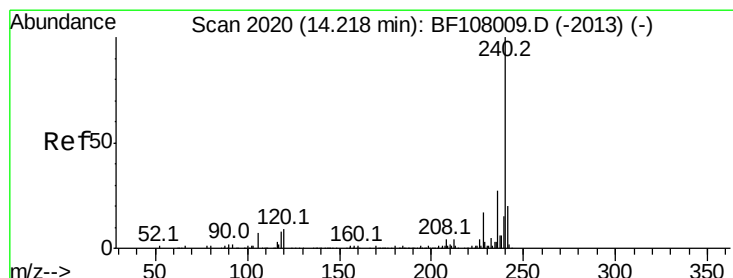
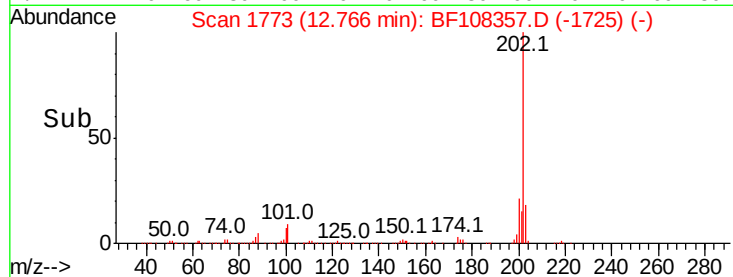
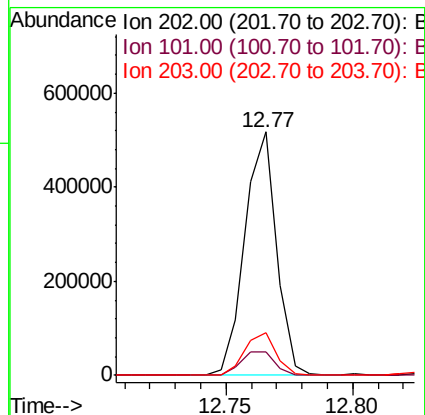
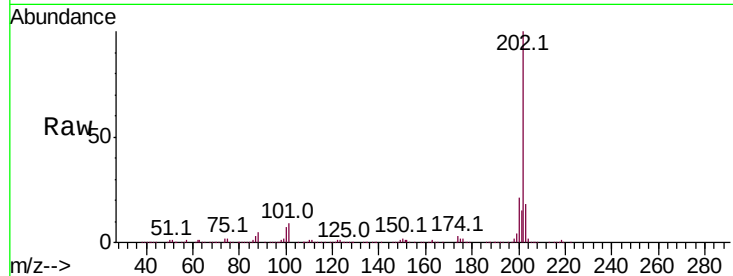
ClientSampleId :

HR-06-082018-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.5	0.0	34.1		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

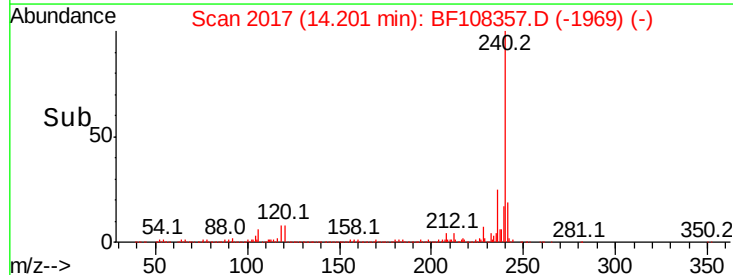
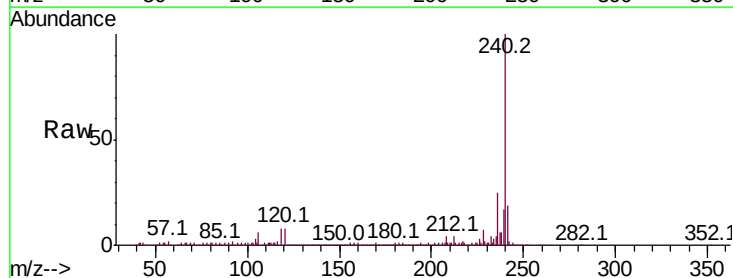
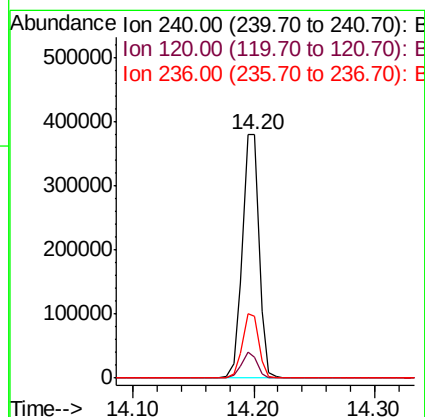
RT: 14.20 min Scan# 2017

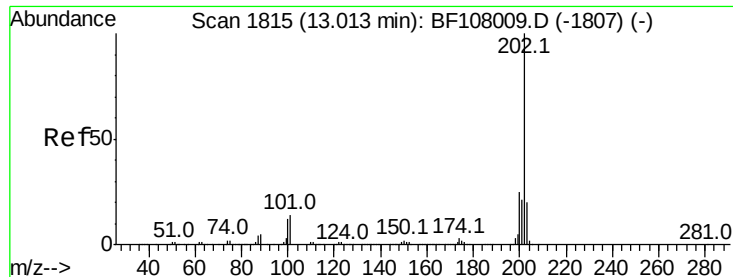
Delta R.T. -0.02 min

Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	8.4	9.5	14.3#		
236	25.4	20.7	31.1		





#77

Pvrene

Concen: 17.782 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Instrument :

BNA_F

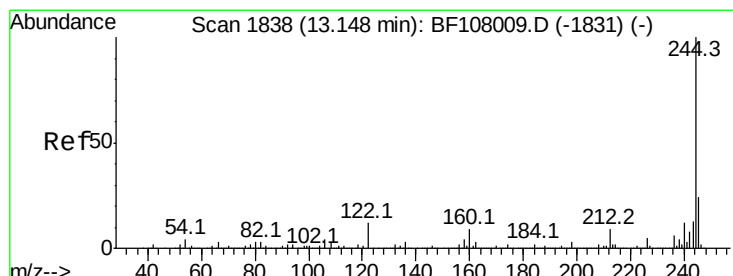
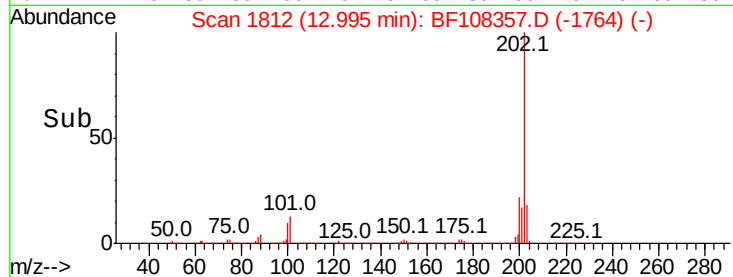
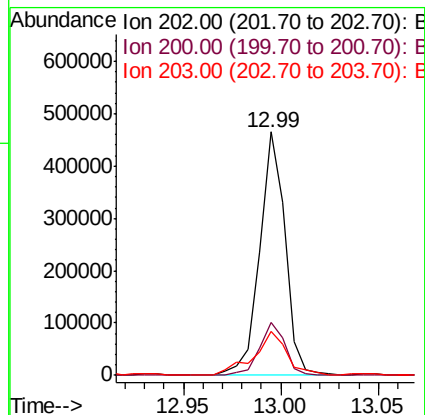
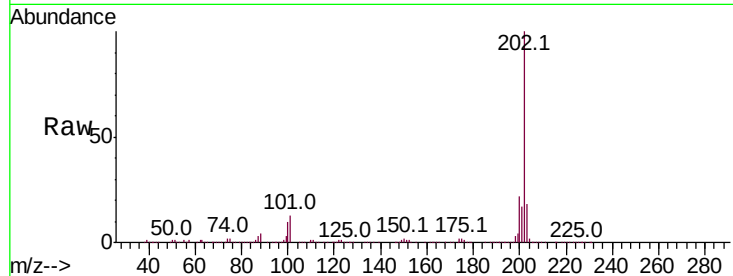
ClientSampleId :

HR-06-082018-B

Tot Ion:	202	Resp:	419034
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 8.144 ng

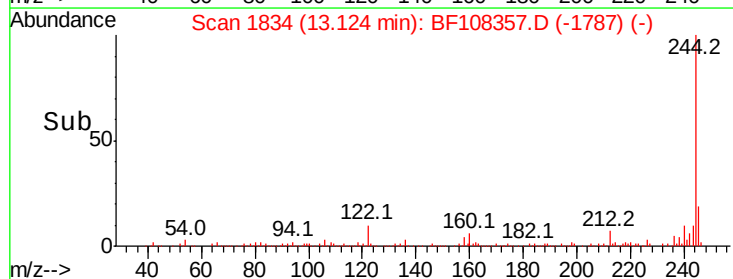
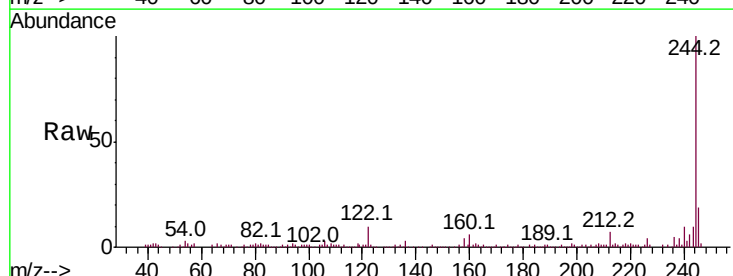
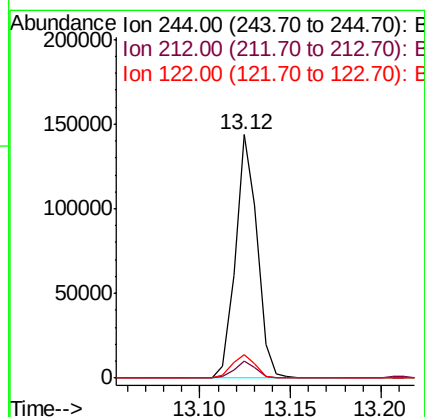
RT: 13.12 min Scan# 1834

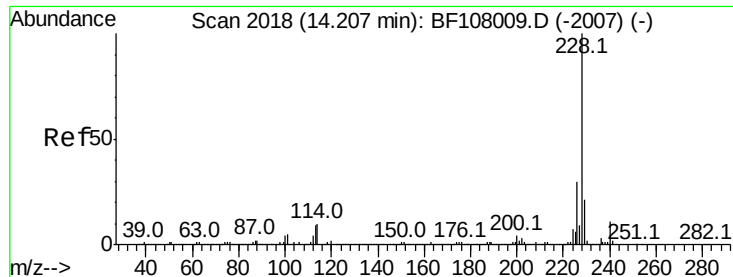
Delta R.T. -0.02 min

Lab File: BF108357.D

Acq: 22 Aug 2018 00:20

Tgt Ion:	244	Resp:	119215
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	9.6	11.0	16.4#





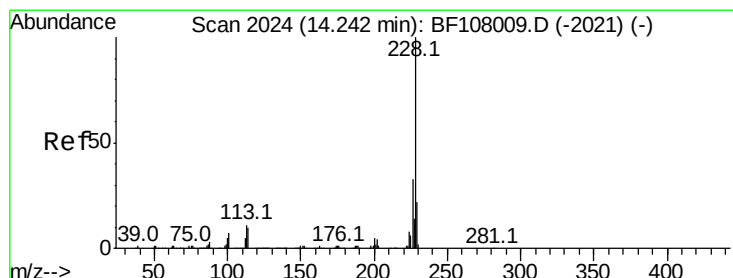
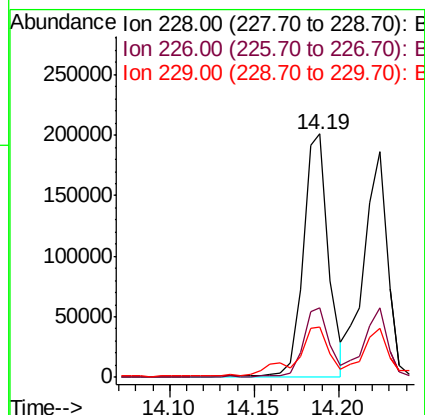
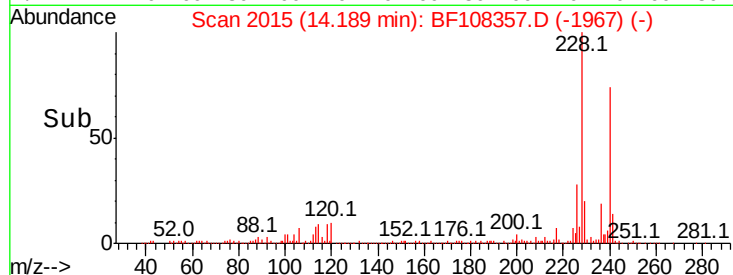
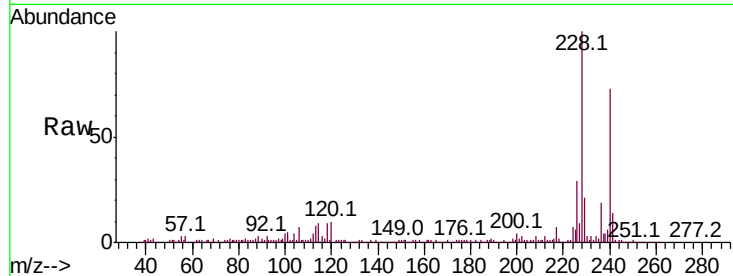
#80
Benzo(a)anthracene
Concen: 9.799 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-B

Tot Ion:228	Resp:	209310
Ion Ratio	Lower	Upper
228 100		
226 28.7	22.6	33.8
229 20.8	15.8	23.6

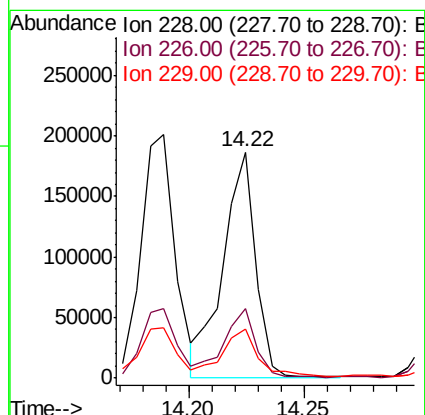
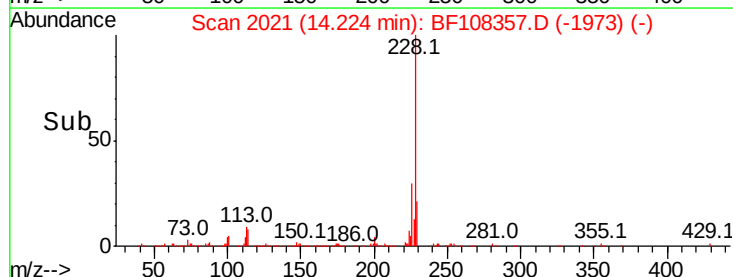
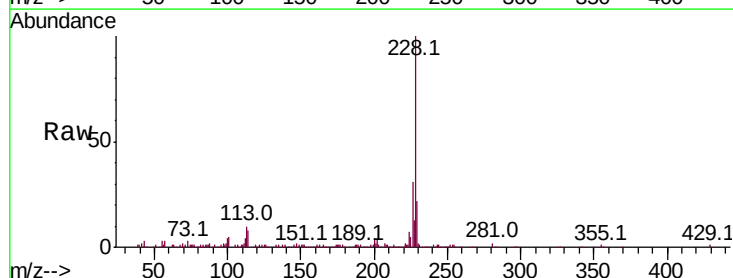
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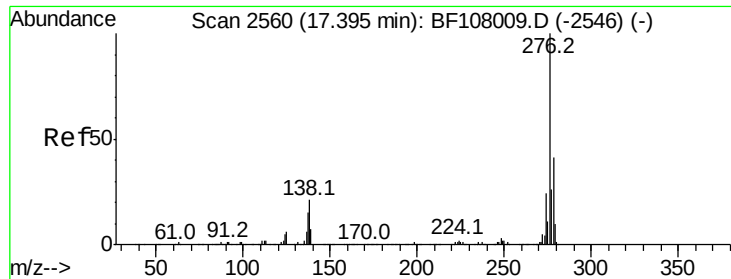
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#82
Chrysene
Concen: 9.287 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion:228	Resp:	181867
Ion Ratio	Lower	Upper
228 100		
226 30.5	25.0	37.6
229 22.0	16.2	24.4





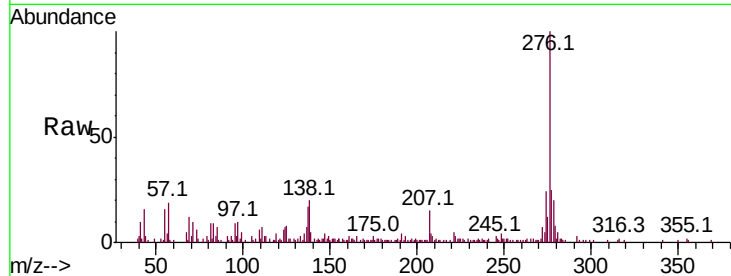
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.106 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.04 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	25.0	37.6#
277	29.6	20.1	30.1

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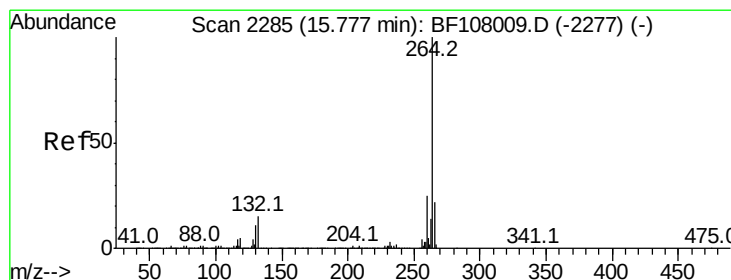
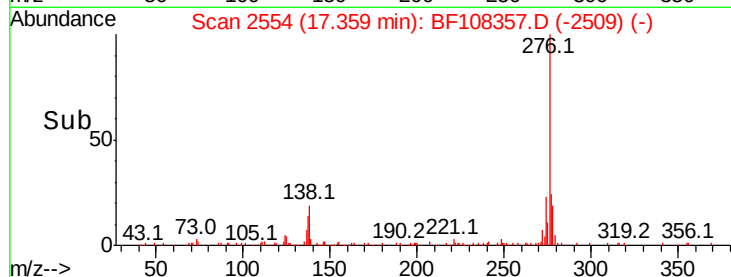
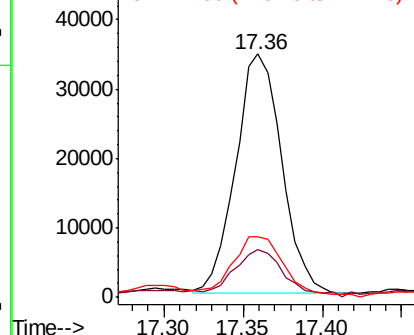


Abundance

Ion 276.00 (275.70 to 276.70): E

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: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108357.D
 Acq: 22 Aug 2018 00:20

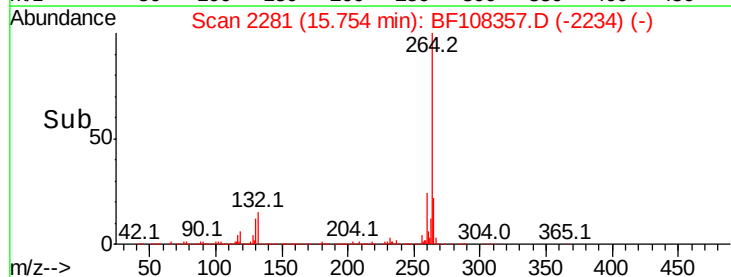
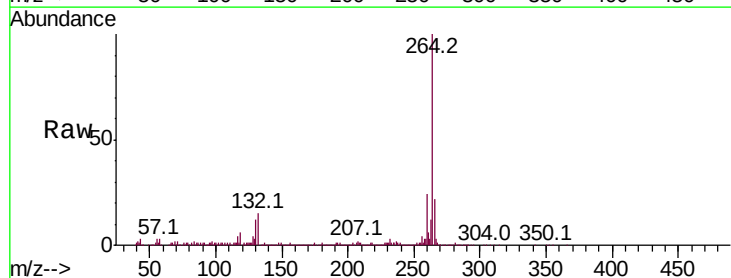
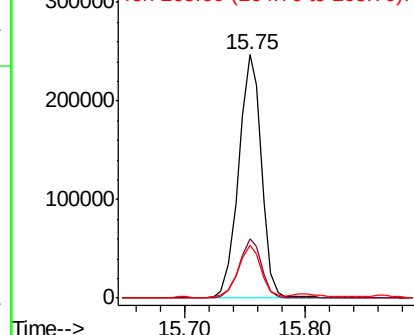
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.0	17.5	26.3

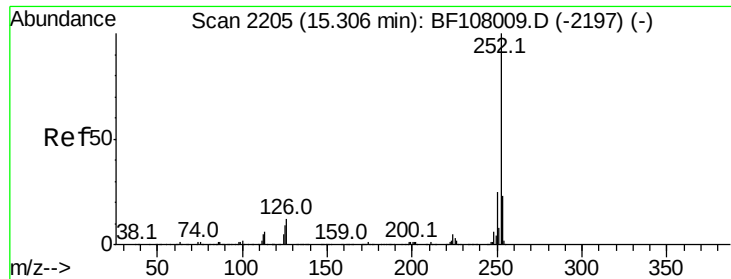
Abundance

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





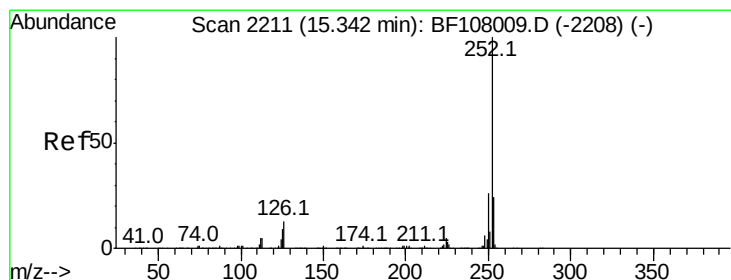
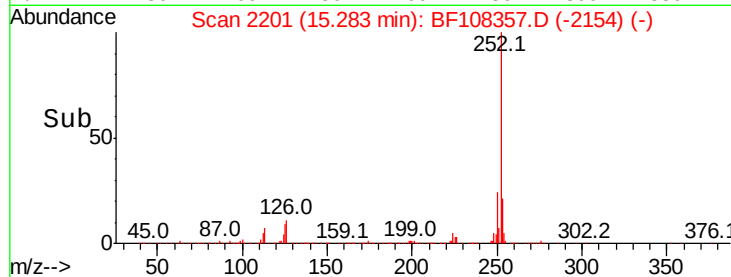
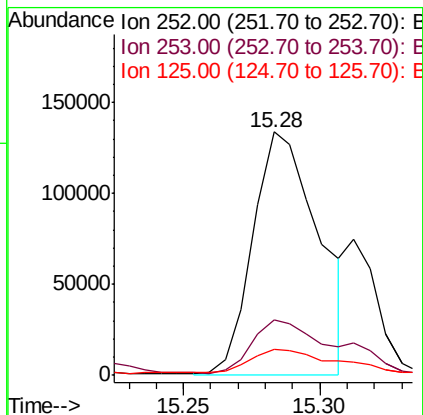
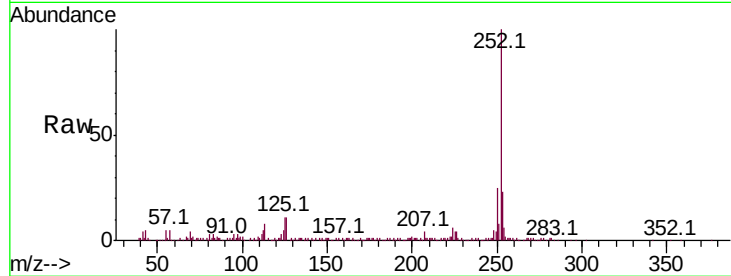
#87
Benzo(b)fluoranthene
Concen: 11.580 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampled :
HR-06-082018-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.7	9.0	13.6

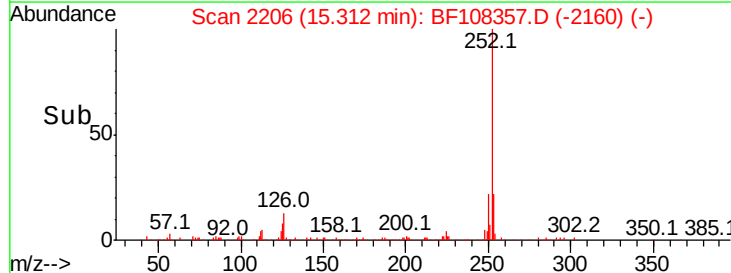
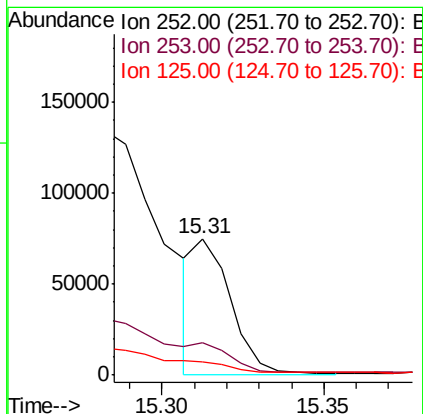
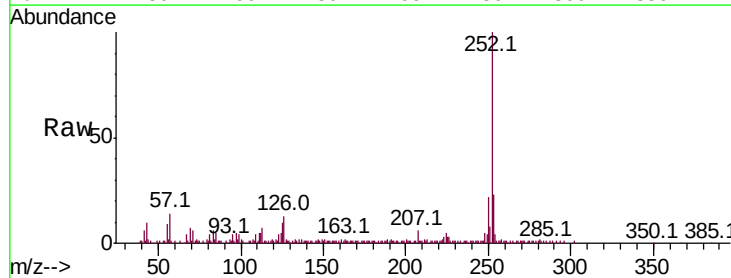
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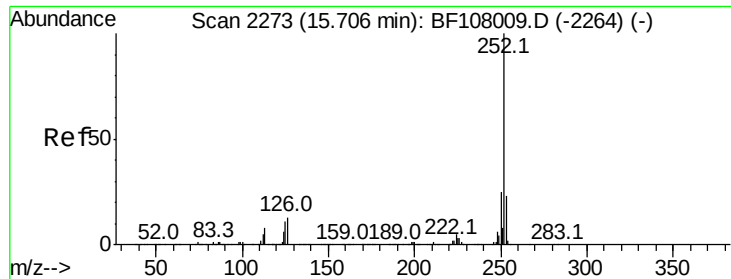
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.346 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	9.6	10.2	15.2#





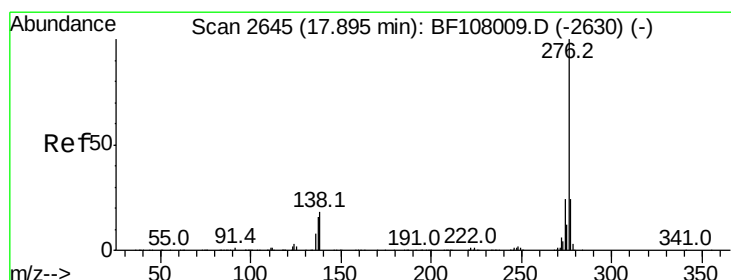
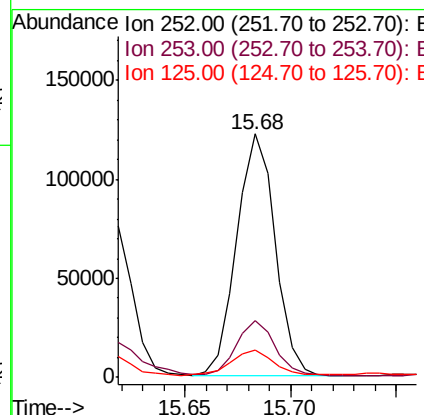
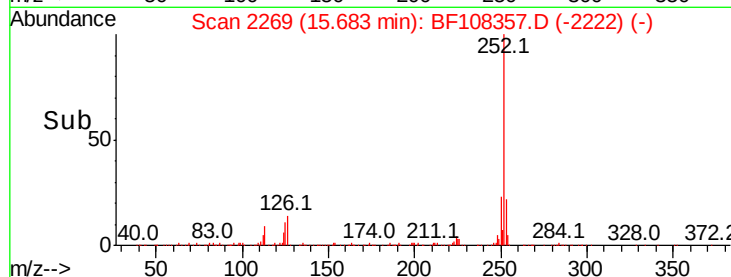
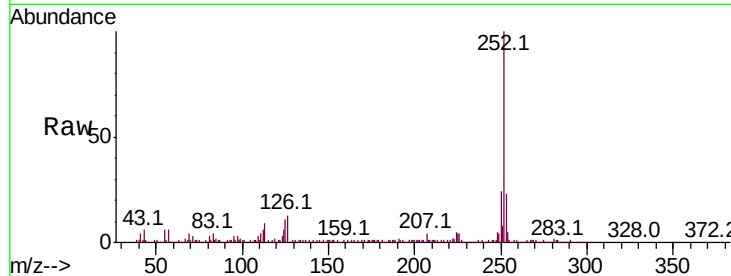
#89
Benzo(a)pyrene
Concen: 8.932 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-B

Tot Ion:	252	Resp:	154517
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	11.3	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.424 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF108357.D
Acq: 22 Aug 2018 00:20

Tgt Ion:	276	Resp:	62359
Ion Ratio	Lower	Upper	
276	100		
277	26.6	17.9	26.9
138	18.8	21.8	32.8#

