

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108560.D
 Acq On : 28 Aug 2018 17:25
 Operator : JU/SJ
 Sample : J4274-05 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Manual Integrations
 APPROVED

Sohil
 8/29/2018 11:42:08 AM

Quant Time: Aug 28 18:30:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	104609	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	416276	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	199033	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	340852	20.00	ng	0.00
75) Chrysene-d12	14.20	240	271904	20.00	ng	0.00
86) Perylene-d12	15.76	264	257479	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	36657	6.34	ng	0.02
7) Phenol-d6	6.65	99	56920	7.41	ng	0.02
23) Nitrobenzene-d5	7.56	82	36481	4.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	13046	6.57	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	79484	6.41	ng	-0.01
78) Terphenyl-d14	13.12	244	63791	5.97	ng	0.00
Target Compounds						
48) Acenaphthylene	9.91	152	37525	2.047	ng	Qvalue 99
51) Acenaphthene	10.08	154	36532	3.253	ng	99
54) Dibenzofuran	10.25	168	39108	2.404	ng	99
57) Fluorene	10.60	166	66902	5.194	ng	99
70) Phenanthrene	11.57	178	622610	38.727	ng	100
71) Anthracene	11.62	178	181863	11.037	ng	99
72) Carbazole	11.78	167	31507	2.152	ng	98
74) Fluoranthene	12.77	202	972265	55.413	ng	96
77) Pyrene	13.00	202	851106	49.442	ng	99
80) Benzo(a)anthracene	14.19	228	460043	29.481	ng	97
82) Chrysene	14.22	228	377881	26.414	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	178201	14.376	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	527370m	34.277	ng	
88) Benzo(k)fluoranthene	15.32	252	137989m	9.757	ng	
89) Benzo(a)pyrene	15.69	252	347222m	25.203	ng	
90) Dibenzo(a,h)anthracene	17.38	278	45942m	4.030	ng	
91) Benzo(g,h,i)perylene	17.88	276	163812	14.594	ng	# 88

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

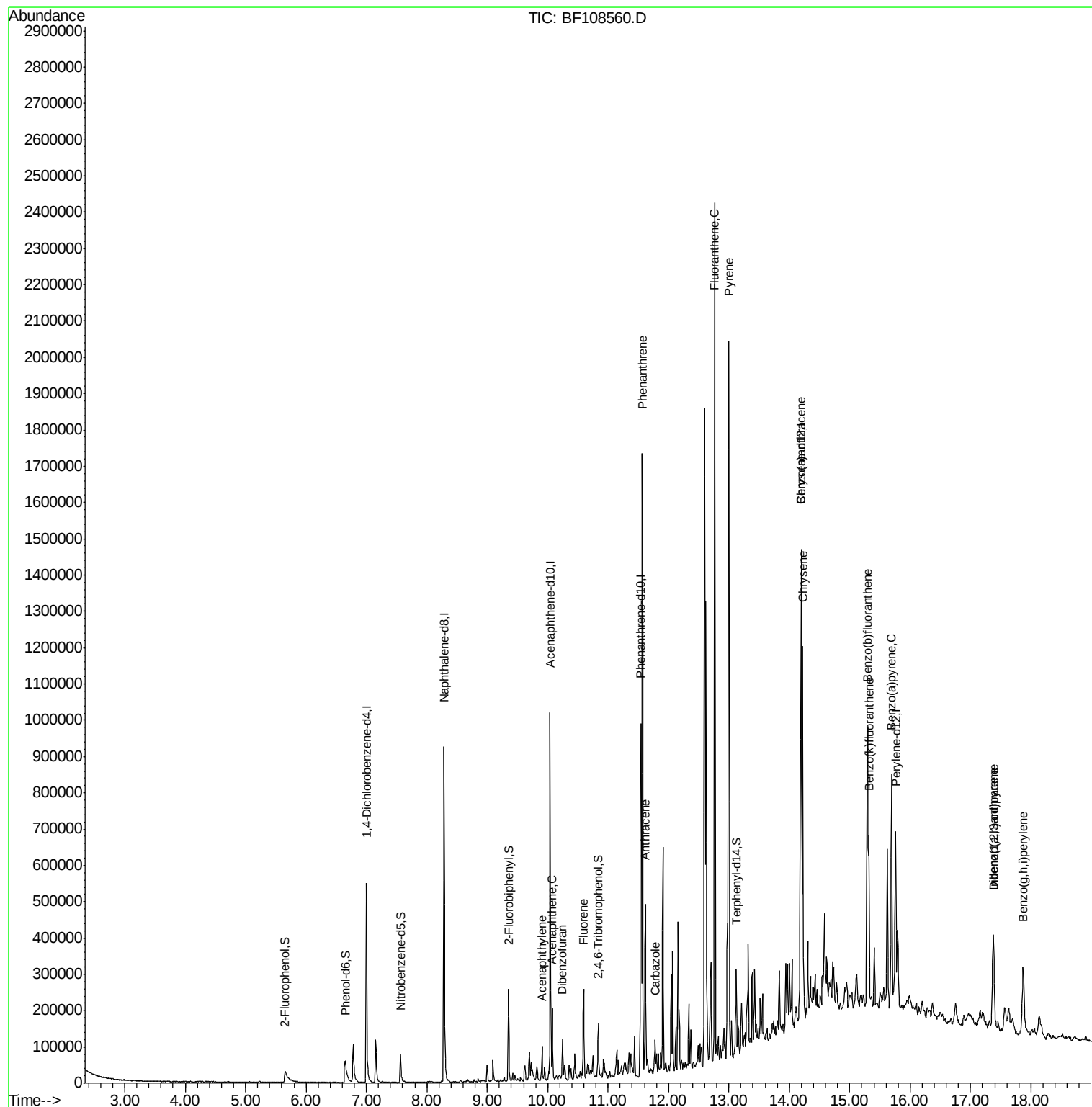
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
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#1

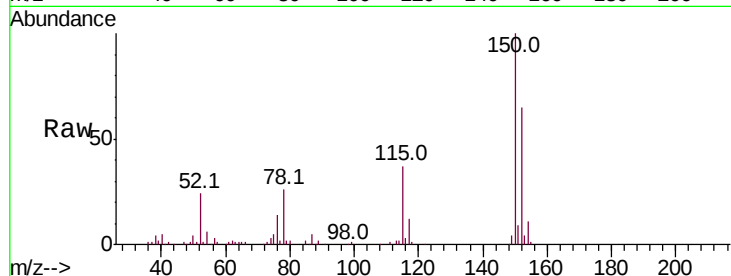
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.3	50.1	75.1

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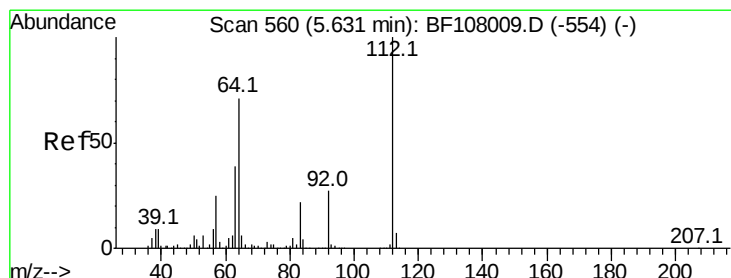
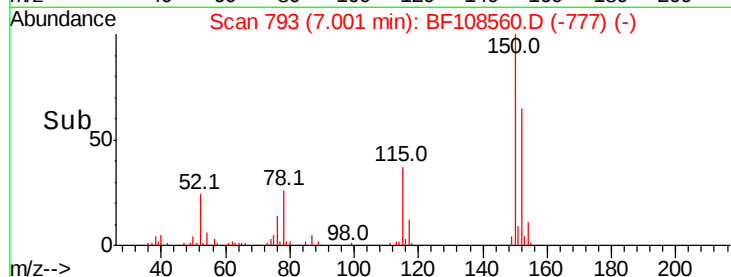
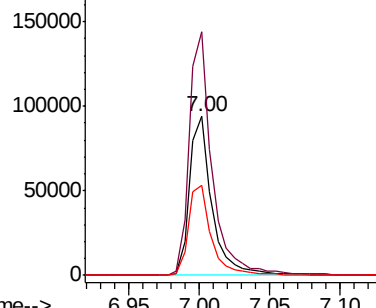


Abundance

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: 6.344 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

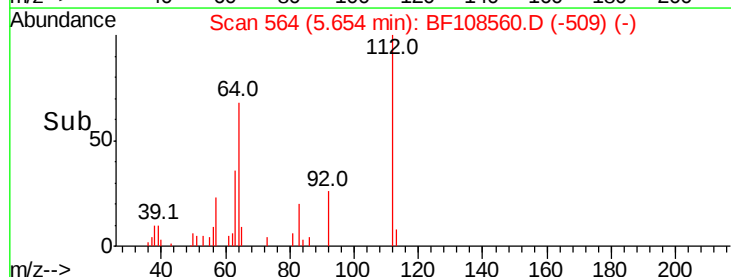
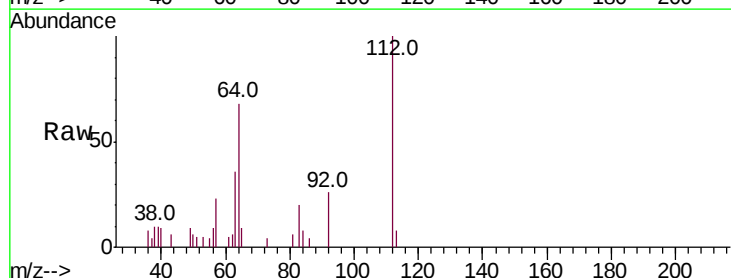
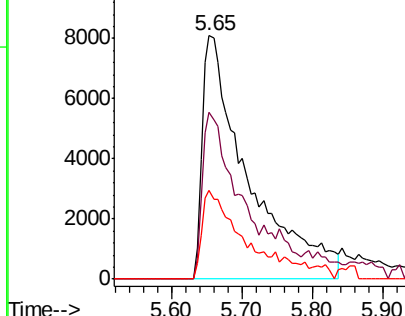
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	47.9	71.9
63	36.4	23.7	35.5#

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: 7.413 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

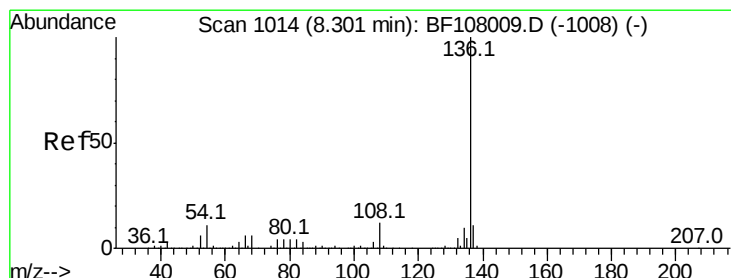
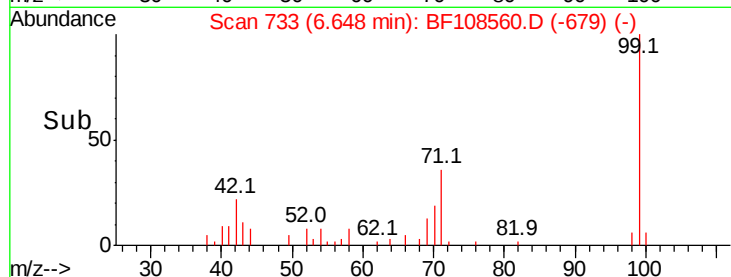
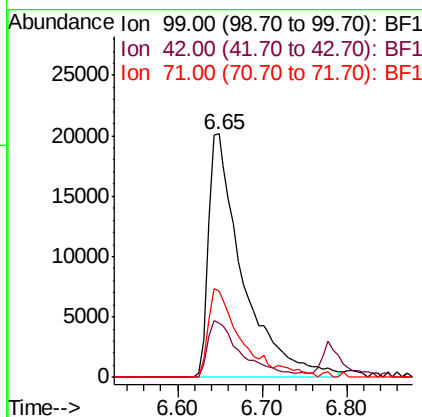
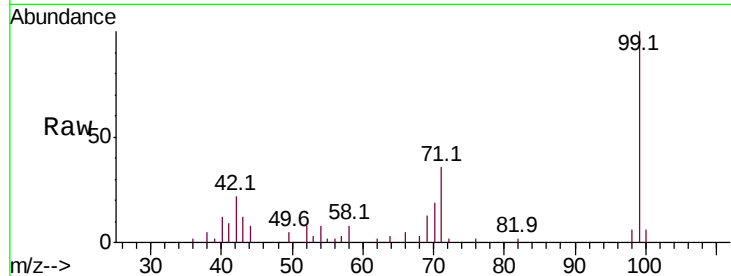
ClientSampleId :

HD-01-082718

Tot Ion:	99	Resp:	56920
Ion Ratio	Lower	Upper	
99	100		
42	22.2	14.5	21.7#
71	35.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

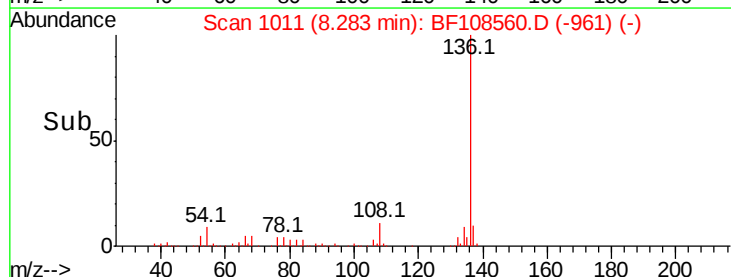
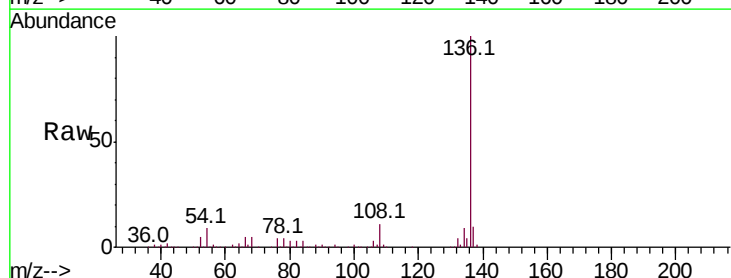
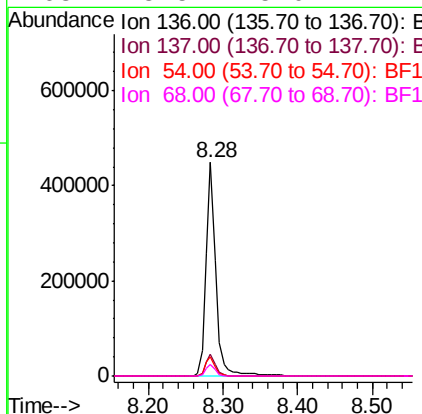
RT: 8.28 min Scan# 1011

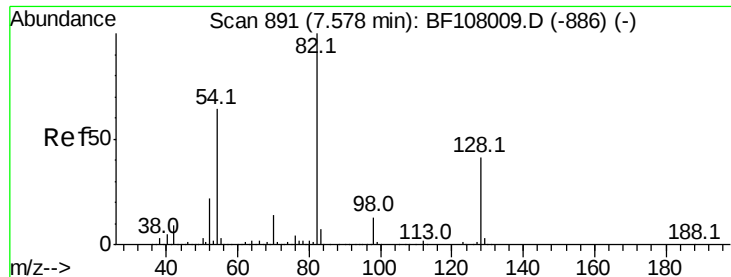
Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Tgt Ion:	136	Resp:	416276
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	9.3	6.6	9.8
68	5.5	5.0	7.4





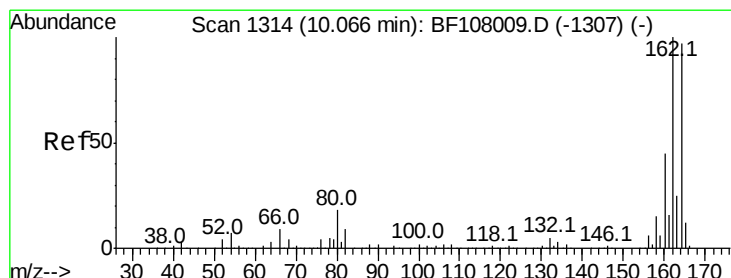
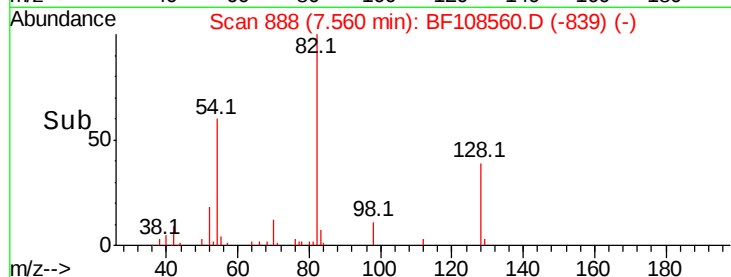
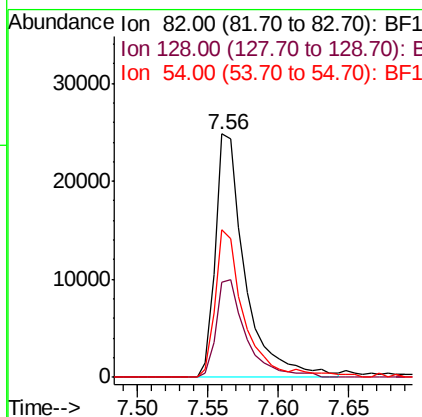
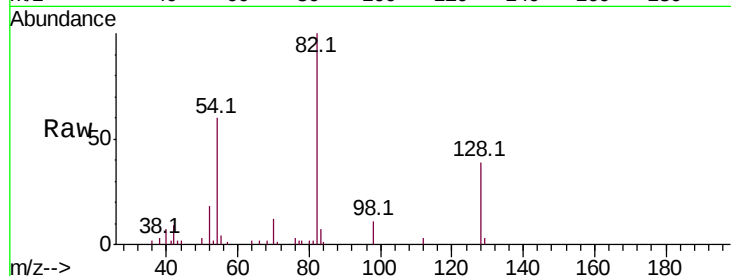
#23
 Nitrobenzene-d5
 Concen: 4.890 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Tot Ion:	82	Resp:	36481
Ion Ratio	Lower	Upper	
82	100		
128	38.9	36.1	54.1
54	60.4	41.4	62.2

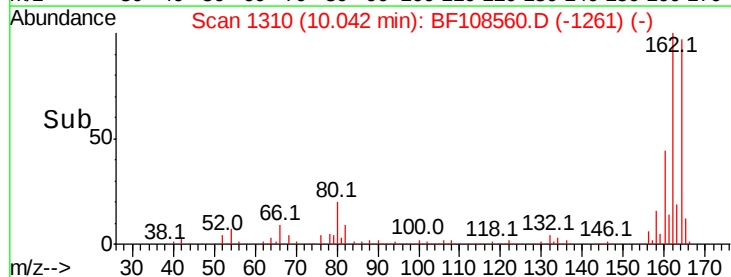
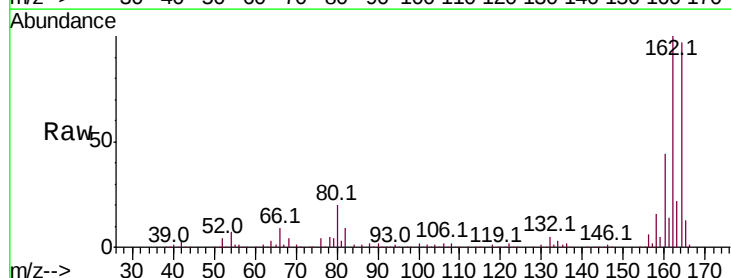
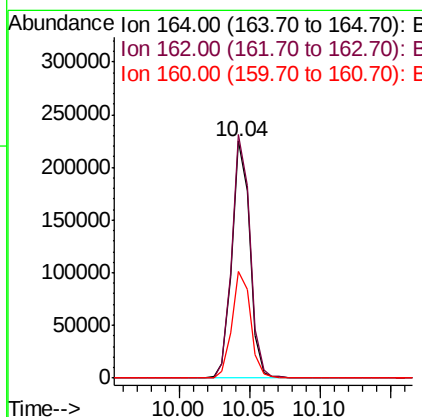
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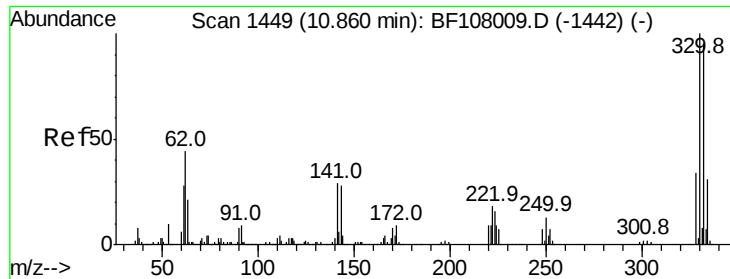
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion:	164	Resp:	199033
Ion Ratio	Lower	Upper	
164	100		
162	102.9	86.1	129.1
160	45.2	38.3	57.5





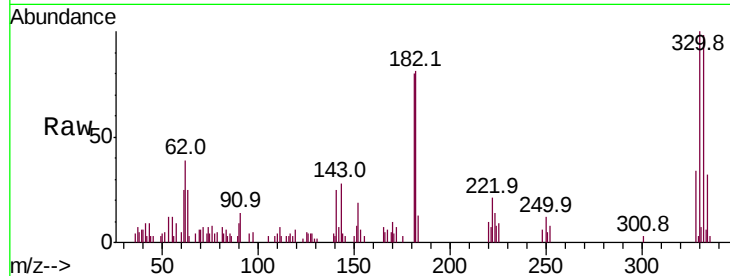
#41
 2,4,6-Tribromophenol
 Concen: 6.571 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	41.9	29.9	44.9

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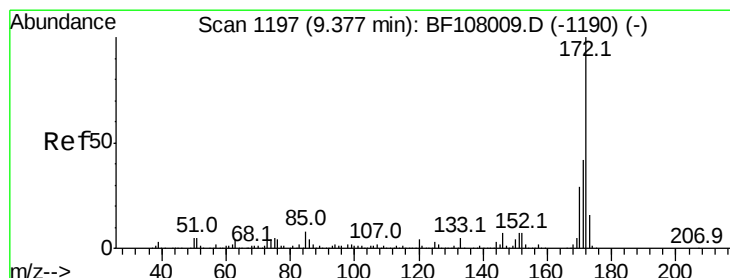
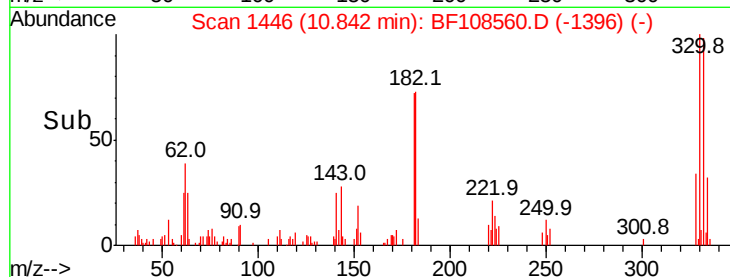
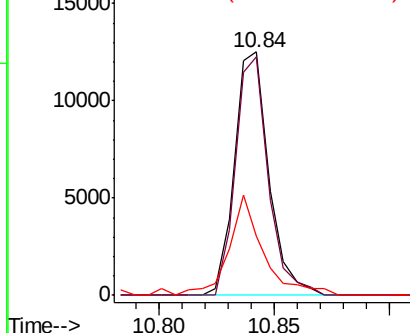


Abundance

Ion 329.80 (329.50 to 330.50): E

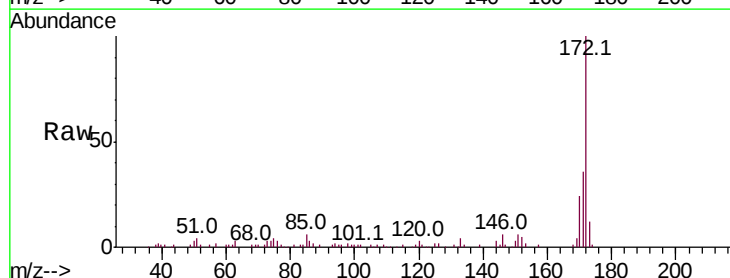
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 6.411 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4

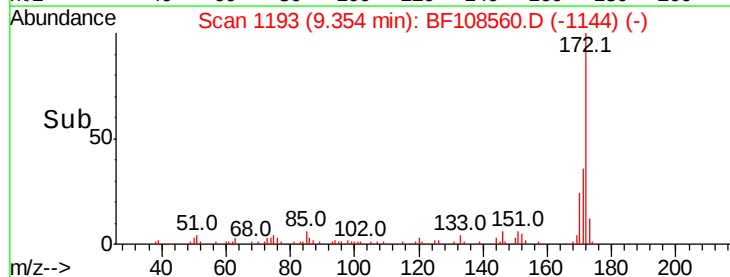
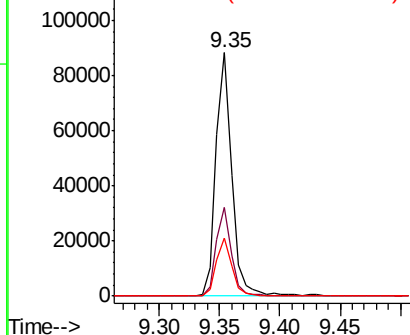


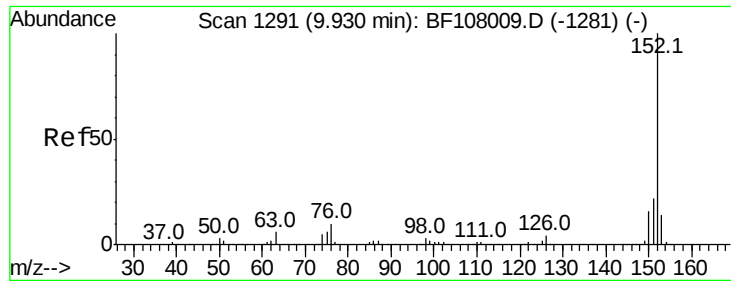
Abundance

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





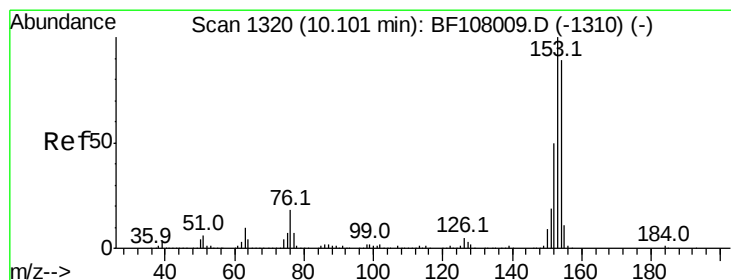
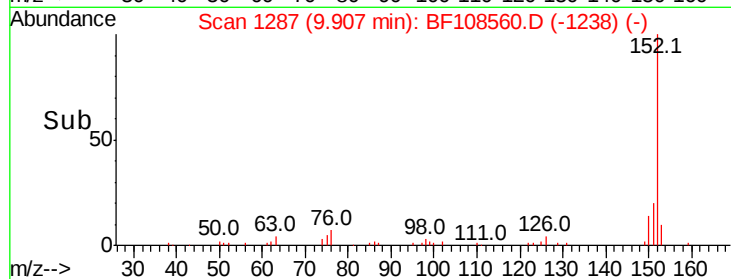
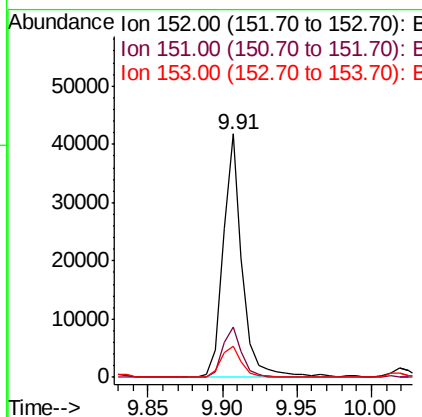
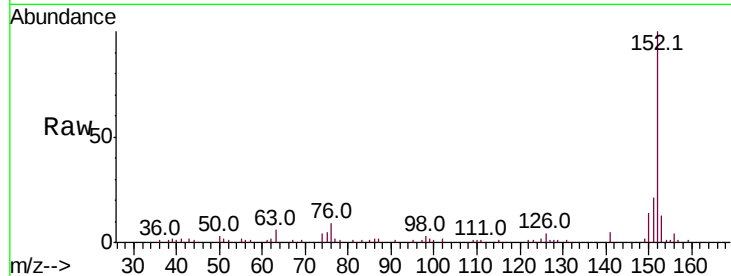
#48
Acenaphthylene
Concen: 2.047 ng
RT: 9.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion:	152	Resp:	37525
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.0	10.7	16.1

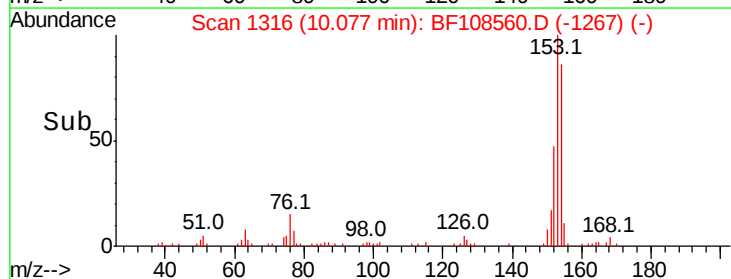
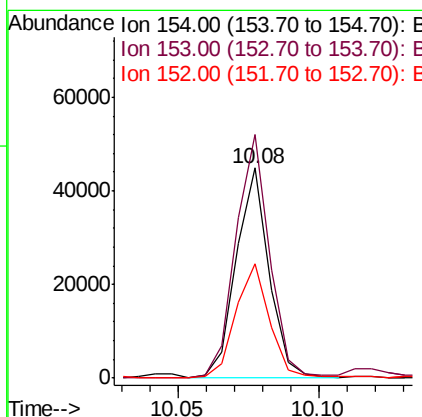
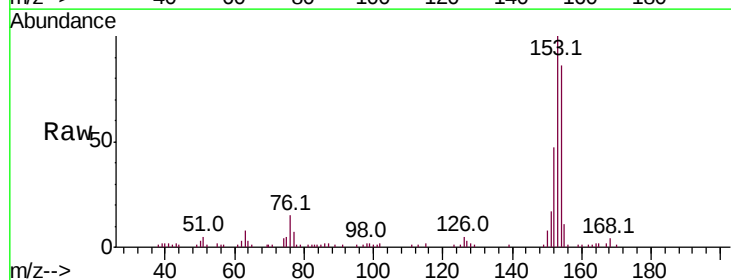
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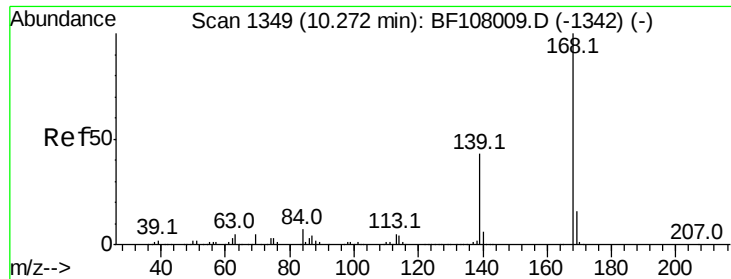
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#51
Acenaphthene
Concen: 3.253 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion:	154	Resp:	36532
Ion Ratio	Lower	Upper	
154	100		
153	115.8	91.2	136.8
152	54.3	43.8	65.8





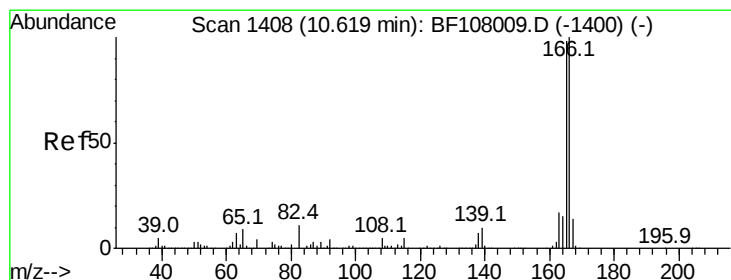
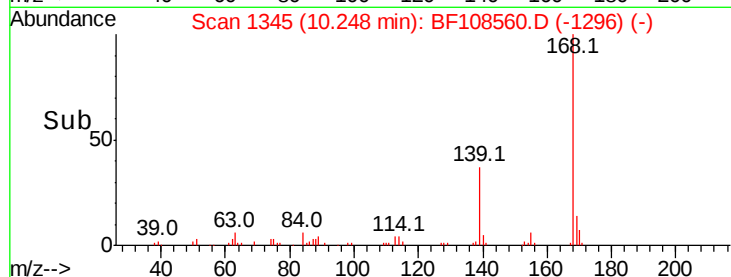
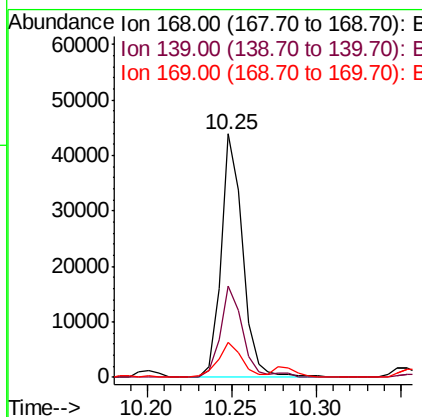
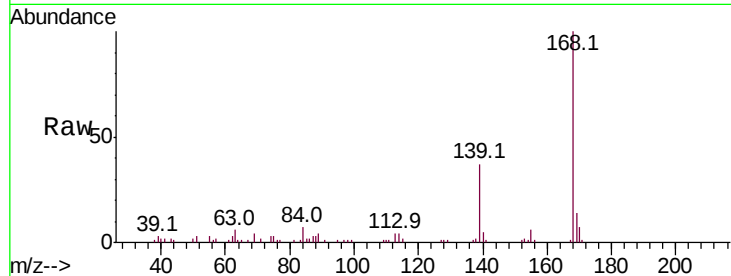
#54
Dibenzenofuran
Concen: 2.404 ng
RT: 10.25 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	14.4	10.9	16.3

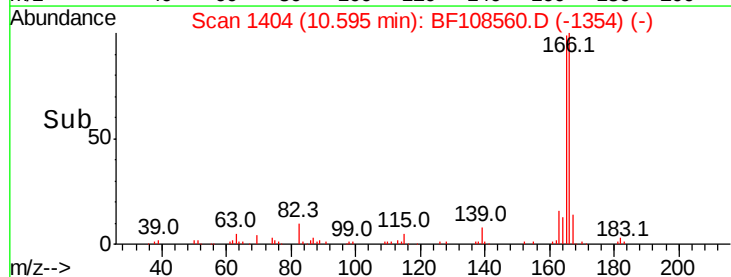
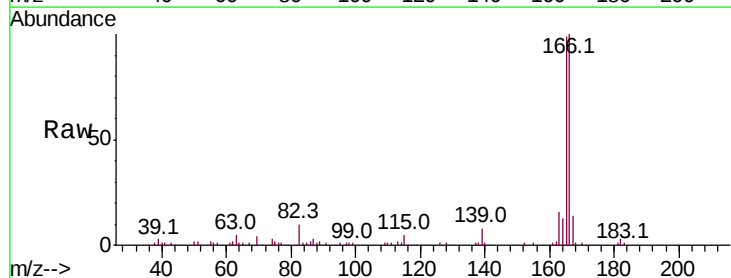
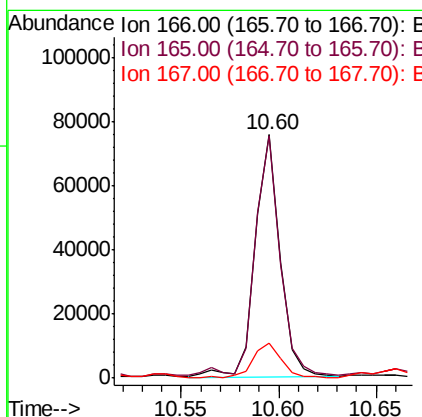
Manual Integrations
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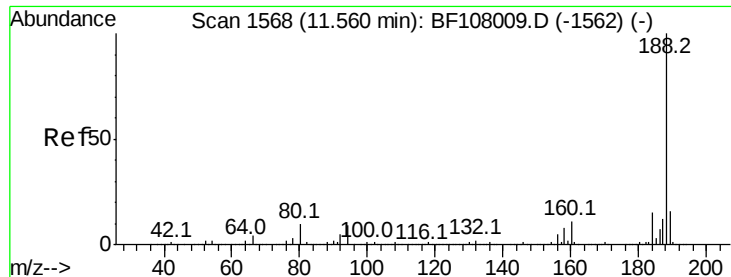
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#57
Fluorene
Concen: 5.194 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	14.4	10.6	16.0





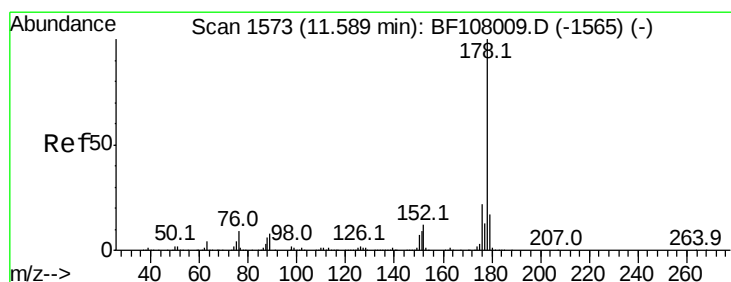
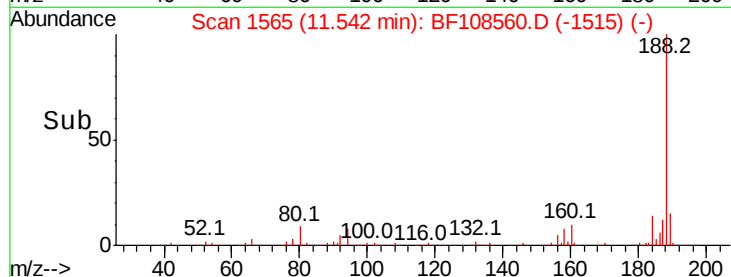
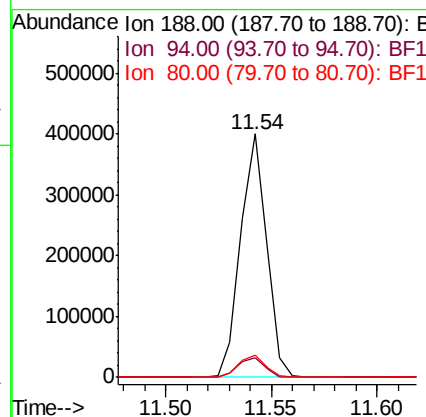
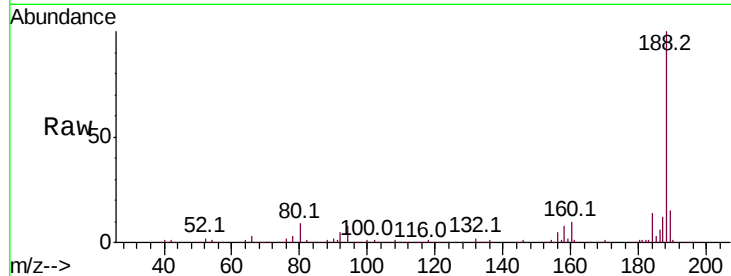
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.0	9.2	13.8#

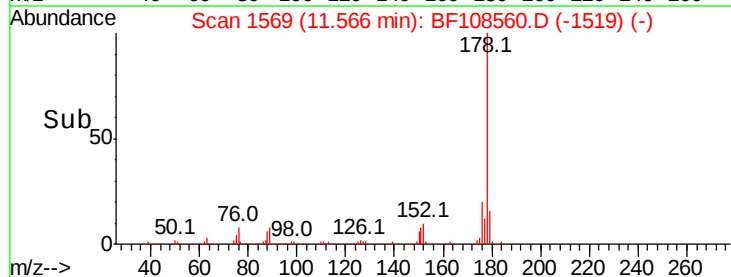
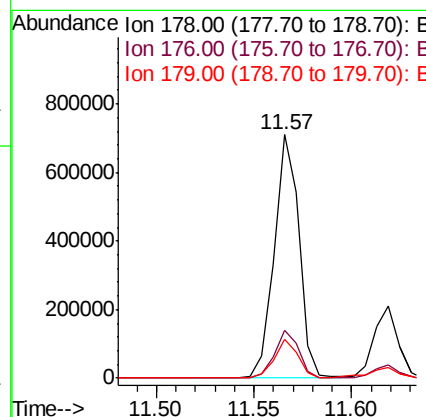
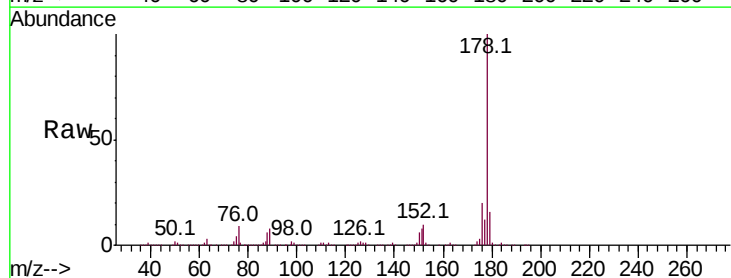
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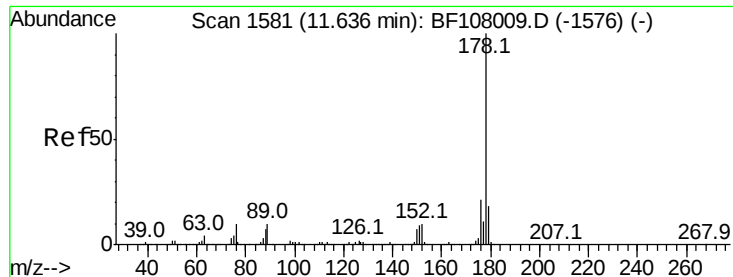
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#70
Phenanthrene
Concen: 38.727 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.0	13.0	19.6





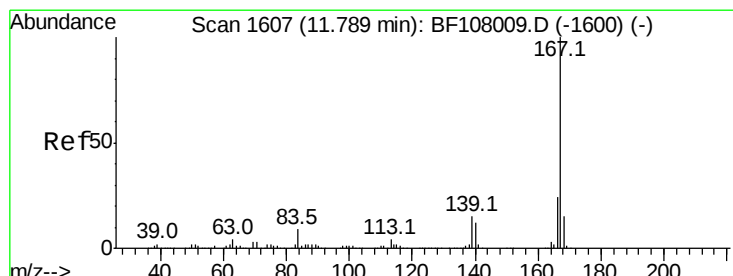
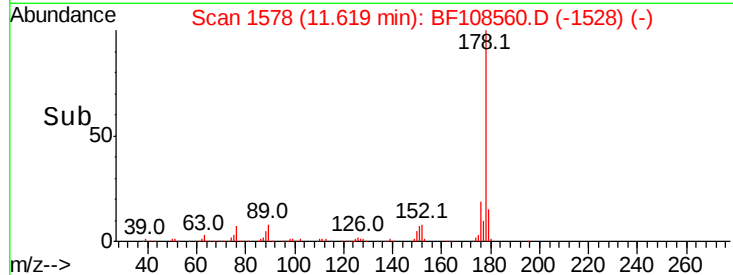
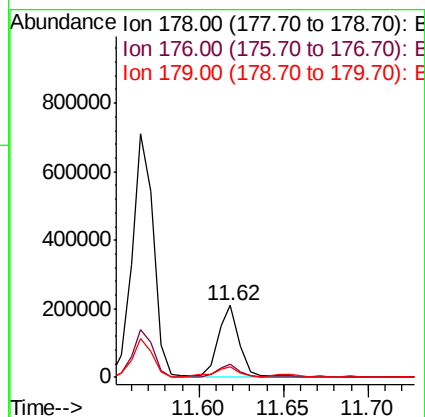
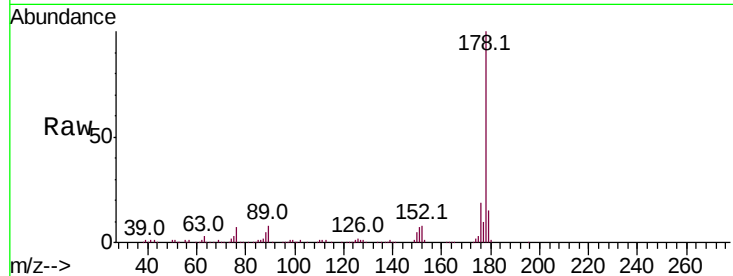
#71
 Anthracene
 Concen: 11.037 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Tot Ion:	178	Resp:	181863
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	15.3	12.6	19.0

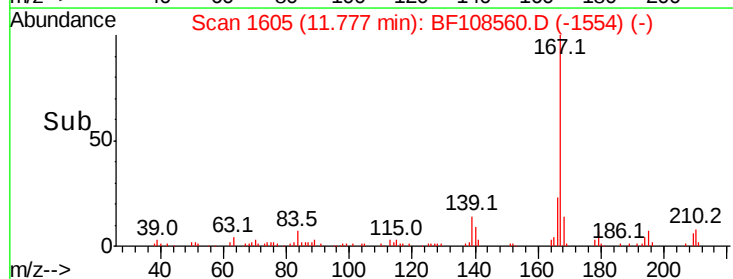
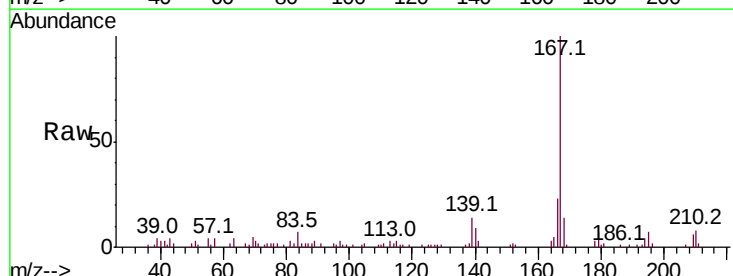
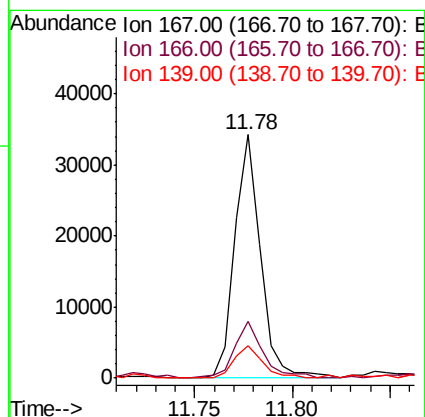
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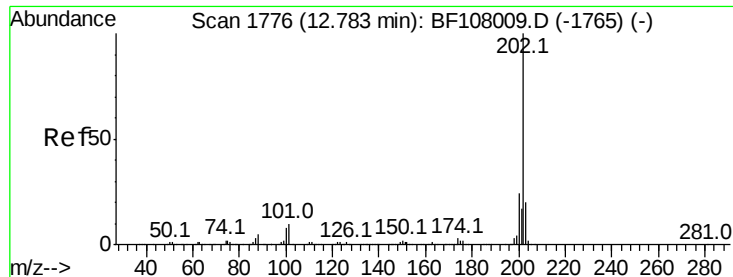
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#72
 Carbazole
 Concen: 2.152 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion:	167	Resp:	31507
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.6	26.4
139	13.5	10.9	16.3





#74

Fluoranthene

Concen: 55.413 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

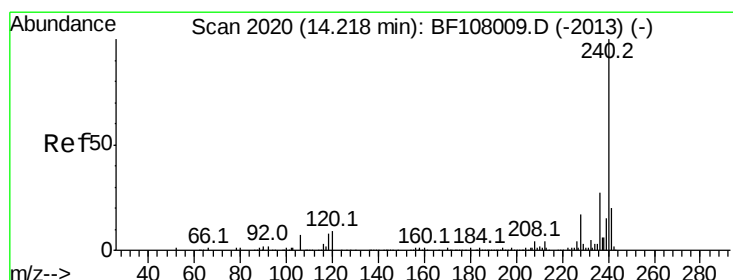
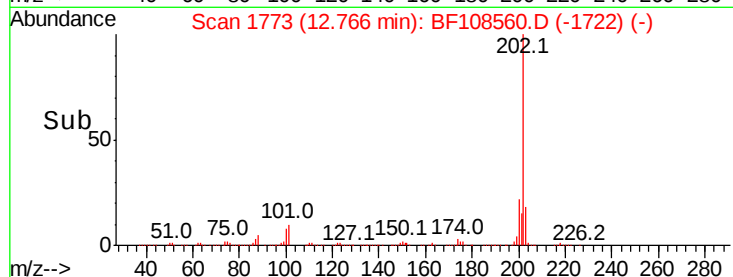
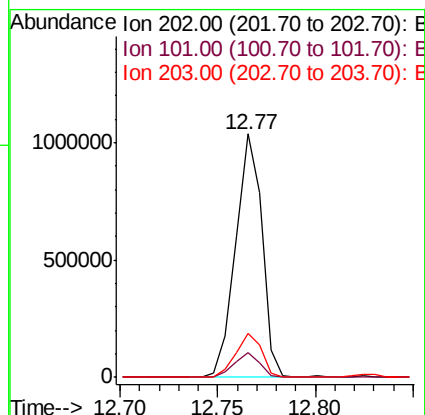
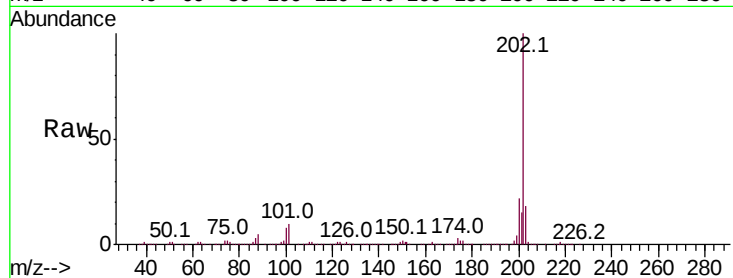
ClientSampleId :

HD-01-082718

Tot Ion	Ratio	Resp	Lower	Upper
202	100	972265		
101	10.3	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

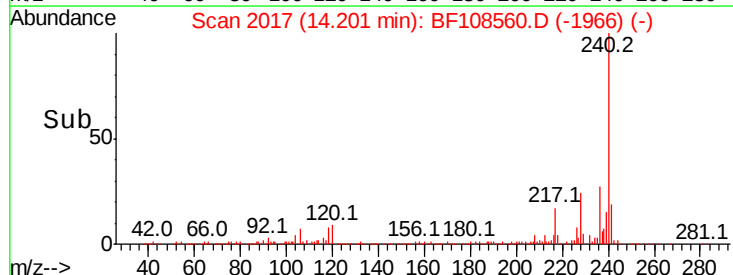
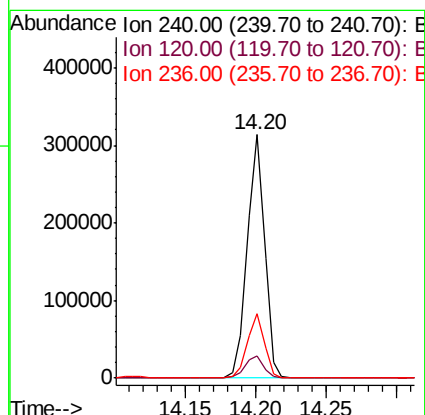
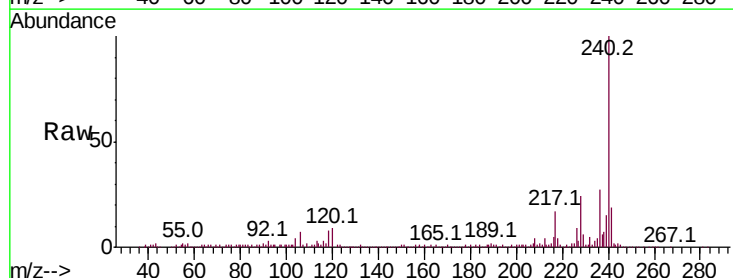
RT: 14.20 min Scan# 2017

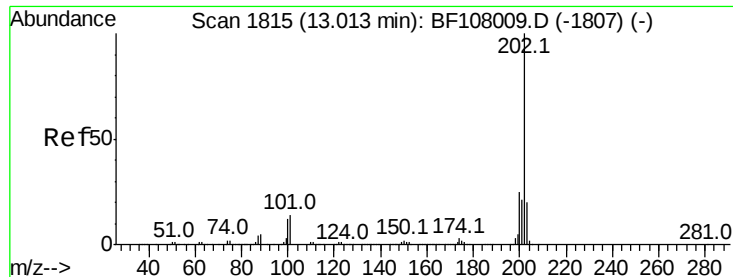
Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	271904		
120	9.0	9.5	14.3#	
236	26.7	20.7	31.1	





#77

Pvrene

Concen: 49.442 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

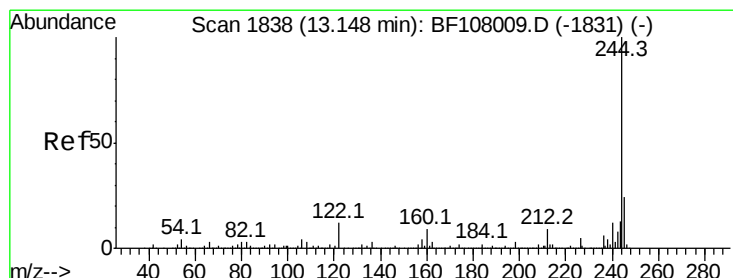
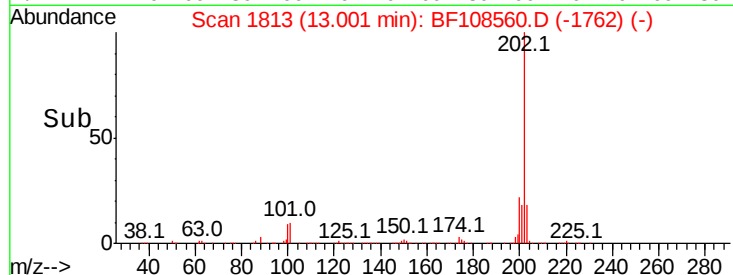
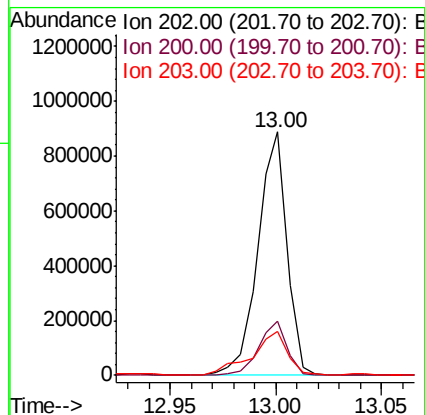
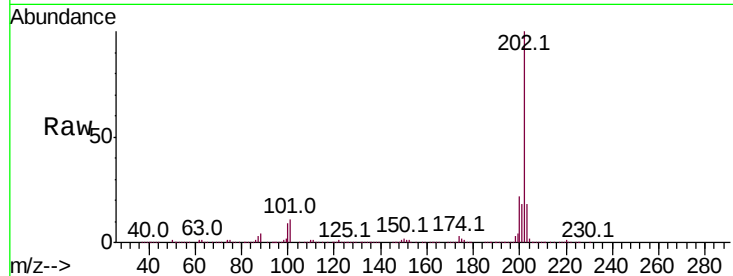
ClientSampleId :

HD-01-082718

Tot Ion:202	Resp:	851106
Ion Ratio	Lower	Upper
202 100		
200 22.2	17.4	26.2
203 18.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 5.965 ng

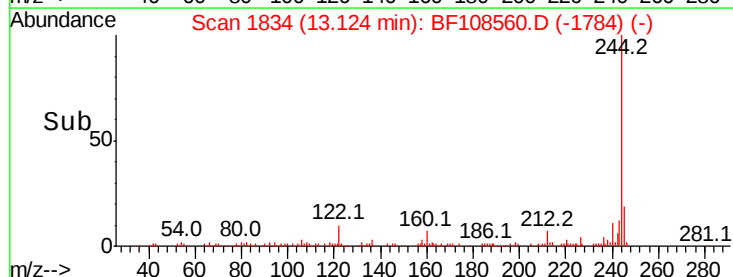
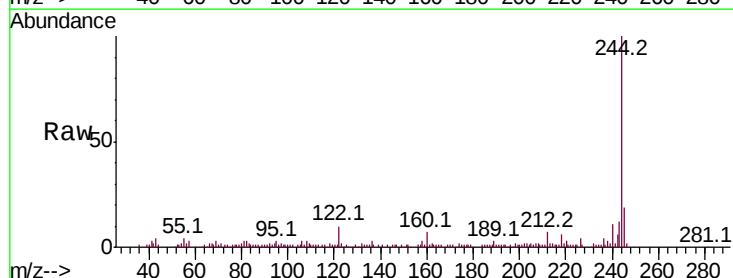
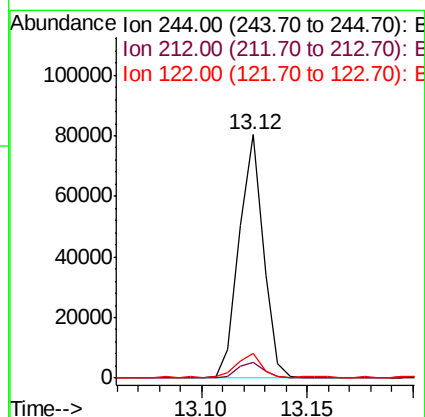
RT: 13.12 min Scan# 1834

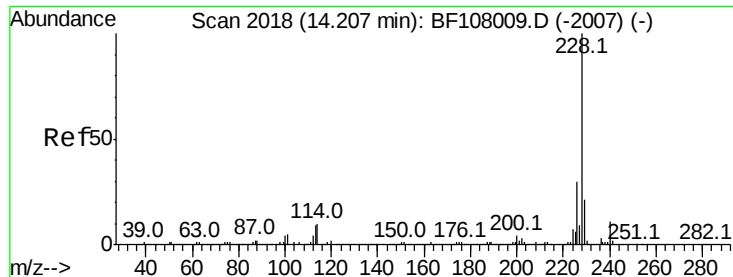
Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Tgt Ion:244	Resp:	63791
Ion Ratio	Lower	Upper
244 100		
212 6.6	5.4	8.0
122 10.1	11.0	16.4#





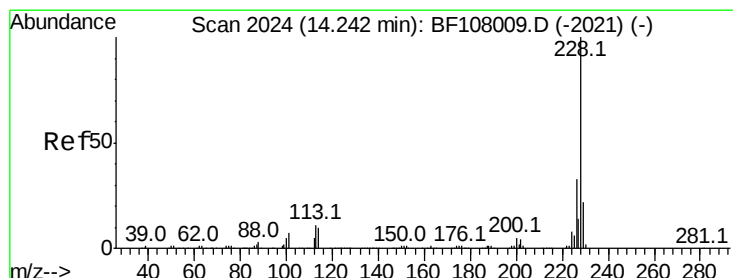
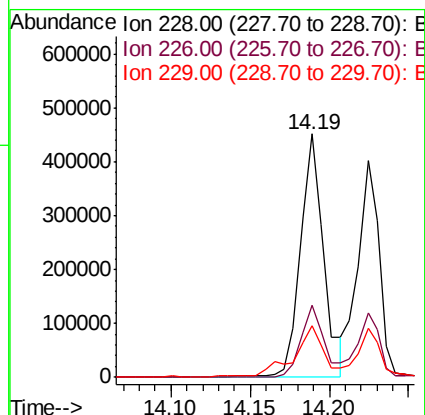
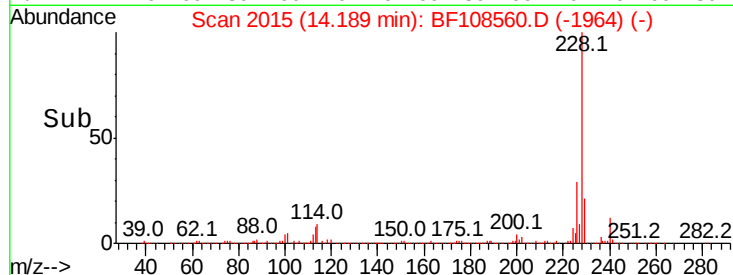
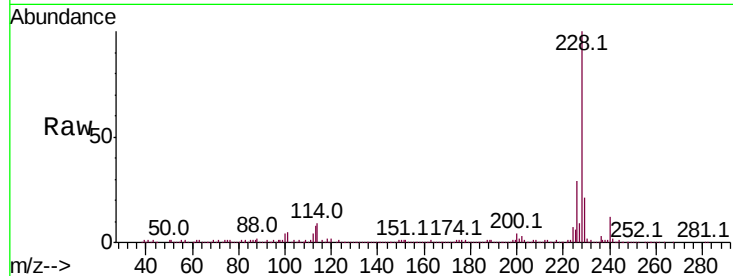
#80
Benzo(a)anthracene
Concen: 29.481 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion:228	Resp:	460043
Ion Ratio	Lower	Upper
228 100		
226 29.5	22.6	33.8
229 21.5	15.8	23.6

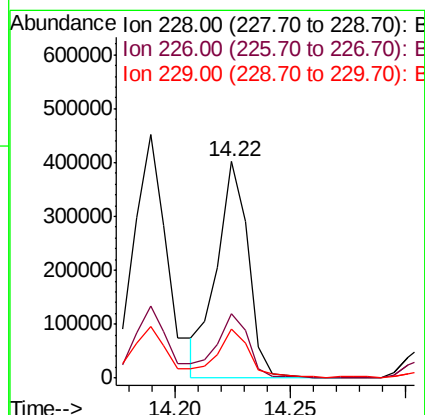
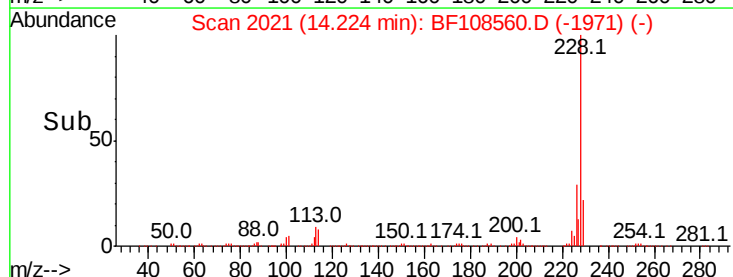
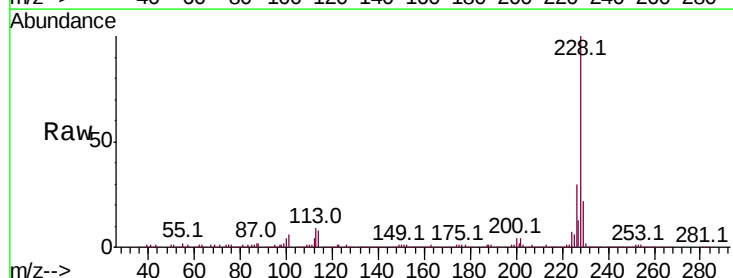
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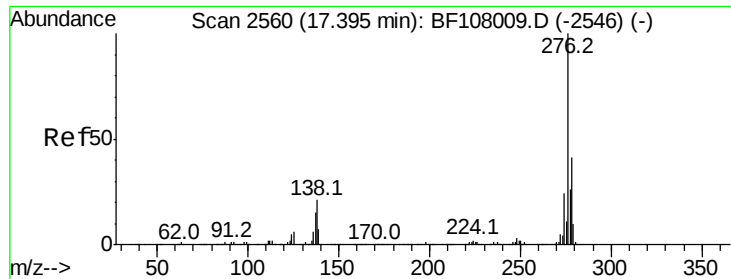
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#82
Chrysene
Concen: 26.414 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion:228	Resp:	377881
Ion Ratio	Lower	Upper
228 100		
226 29.8	25.0	37.6
229 22.5	16.2	24.4





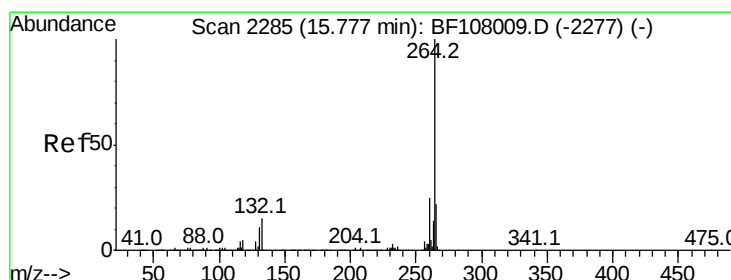
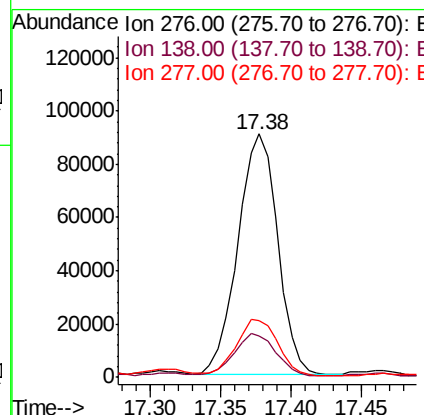
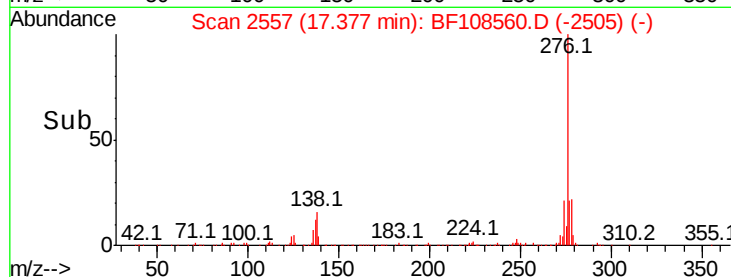
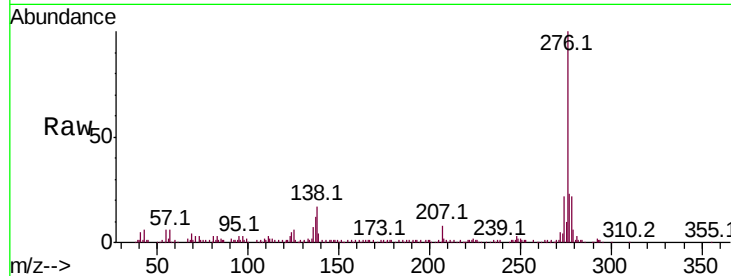
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.376 ng
 RT: 17.38 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.0	37.6#
277	24.9	20.1	30.1

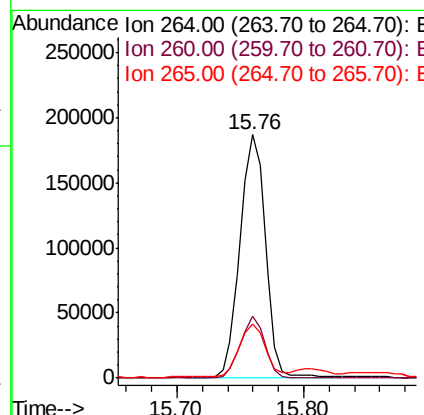
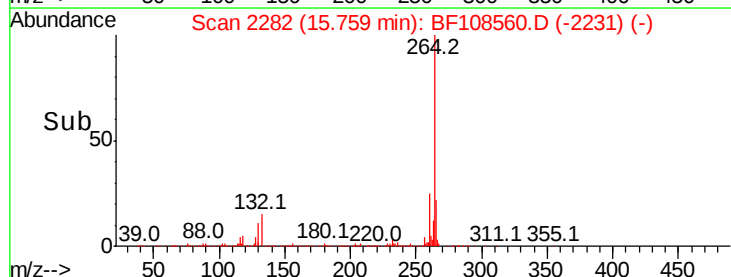
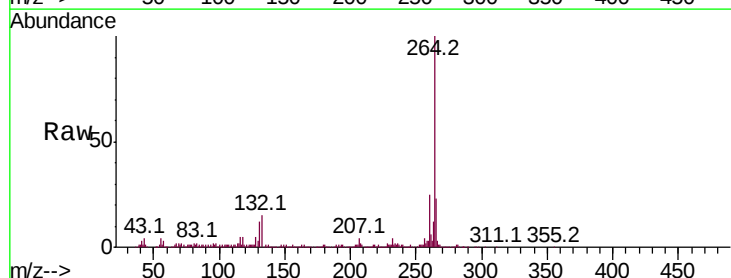
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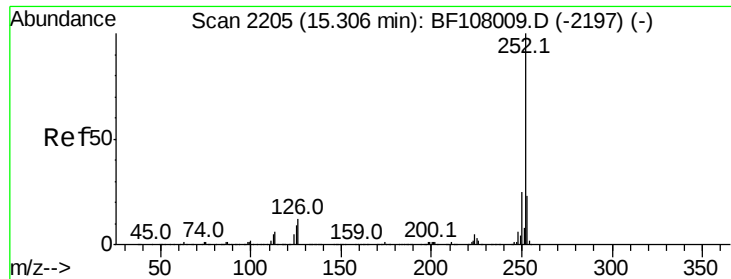
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.5	17.5	26.3





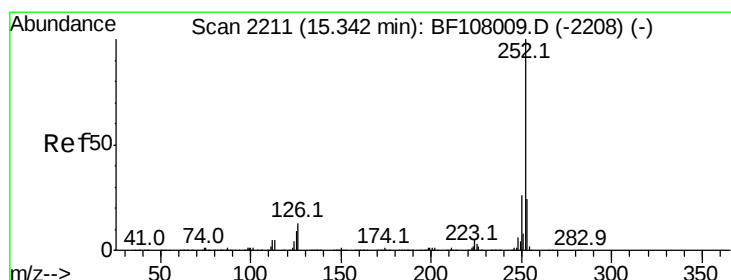
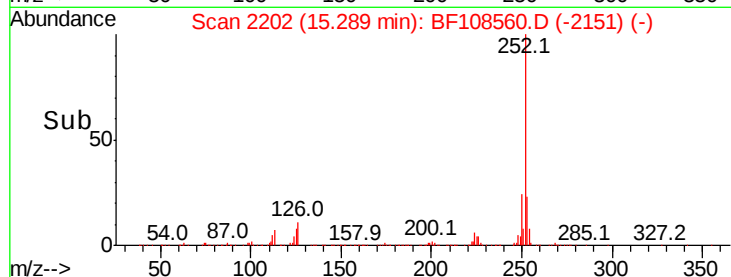
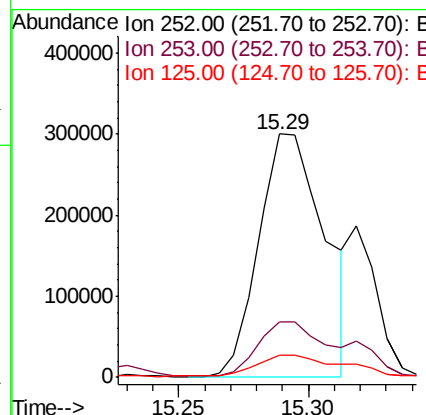
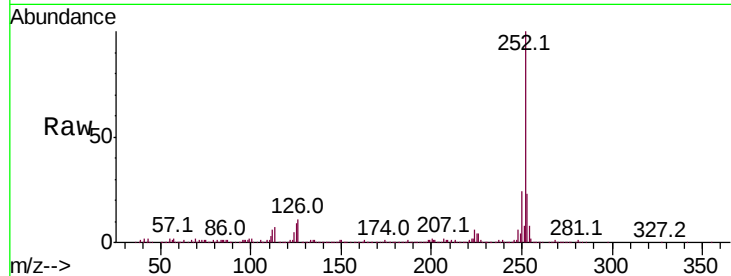
#87
Benzo(b)fluoranthene
Concen: 34.277 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.0	9.0	13.6#

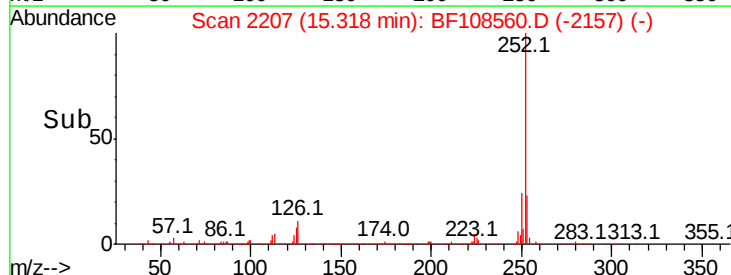
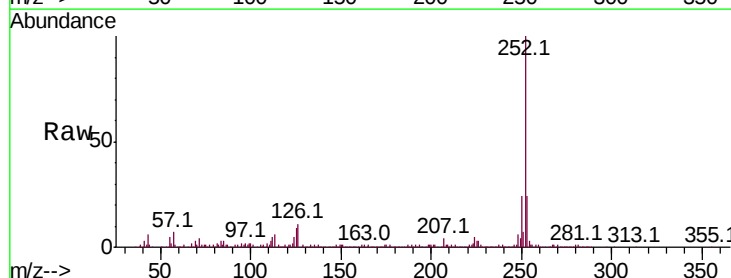
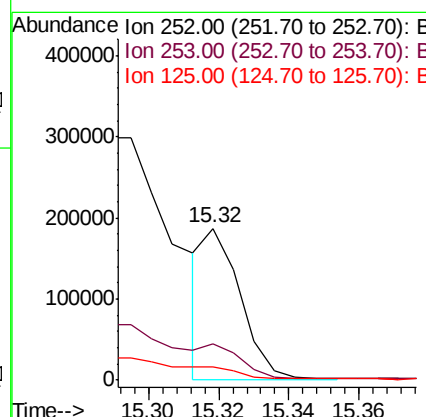
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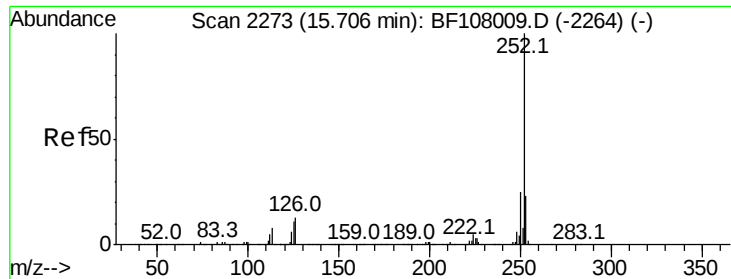
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#88
Benzo(k)fluoranthene
Concen: 9.757 ng m
RT: 15.32 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	8.9	10.2	15.2#





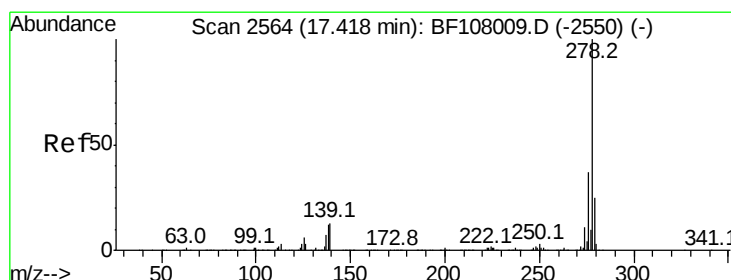
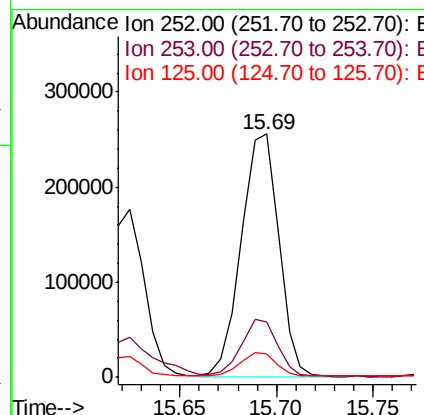
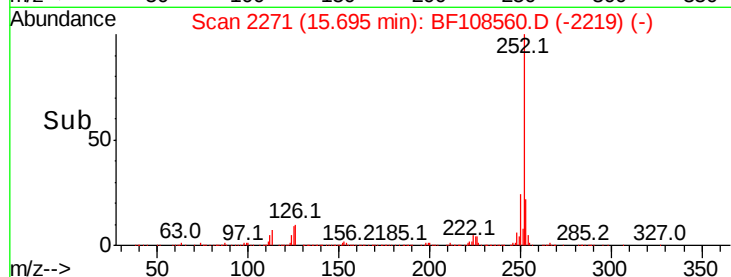
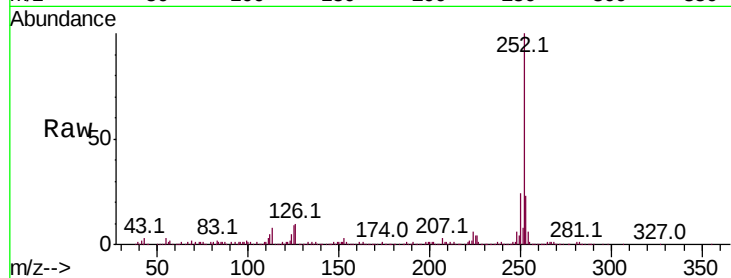
#89
Benzo(a)pyrene
Concen: 25.203 ng m
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	9.4	9.8	14.6

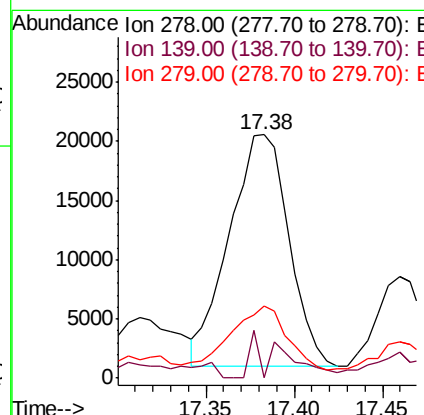
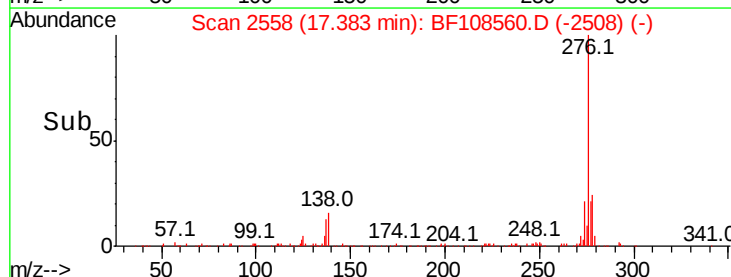
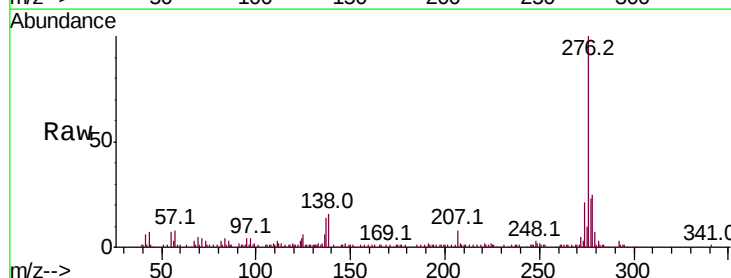
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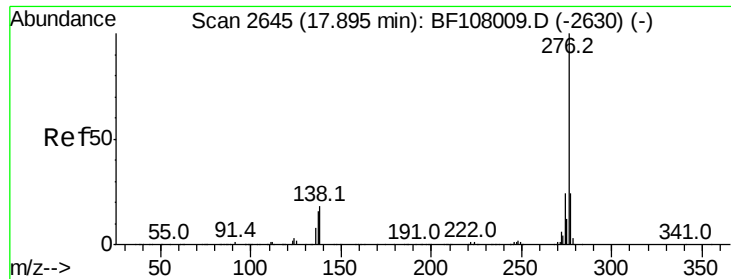
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#90
Dibenzo(a,h)anthracene
Concen: 4.030 ng m
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	29.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 14.594 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. 0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-082718

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	17.2	21.8	32.8

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