

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108755.D
 Acq On : 4 Sep 2018 21:44
 Operator : JU/SJ
 Sample : J4748-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Manual Integrations
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 9/5/2018 12:47:51 PM

Quant Time: Sep 05 11:02:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	63623	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	283681	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	139421	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	284887	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	228440	20.00	ng	-0.02
86) Perylene-d12	15.74	264	165831	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	178878m	48.84	ng	-0.02
7) Phenol-d6	6.63	99	301322	57.44	ng	-0.02
23) Nitrobenzene-d5	7.57	82	186722	33.41	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	76696	41.67	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	431374	41.60	ng	-0.02
78) Terphenyl-d14	13.11	244	511148	43.47	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	95803	8.726	ng	Qvalue # 98
70) Phenanthrene	11.55	178	157961	10.985	ng	98
71) Anthracene	11.61	178	42907m	2.840	ng	
72) Carbazole	11.79	167	30847	2.111	ng	97
74) Fluoranthene	12.75	202	247757	15.307	ng	94
77) Pyrene	12.98	202	198693	11.571	ng	99
80) Benzo(a)anthracene	14.18	228	60450	4.341	ng	95
82) Chrysene	14.21	228	64378	4.807	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	20371	2.188	ng	# 87
87) Benzo(b)fluoranthene	15.28	252	41436m	4.068	ng	
88) Benzo(k)fluoranthene	15.29	252	22866m	2.266	ng	
89) Benzo(a)pyrene	15.68	252	36591	3.975	ng	# 92
91) Benzo(a,h,i)perylene	17.86	276	17363	2.430	ng	# 83

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

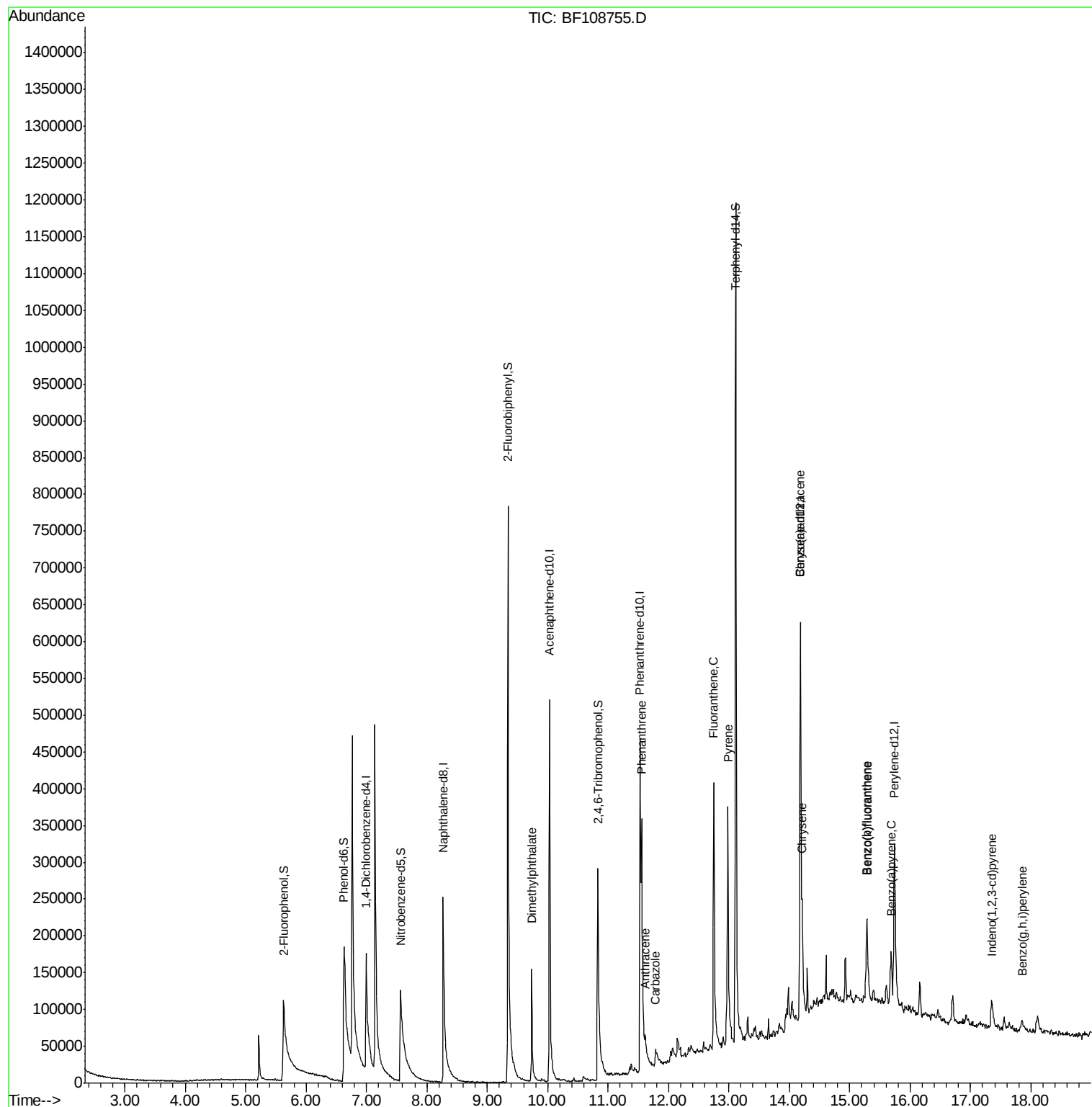
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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ALS Vial : 23 Sample Multiplier: 1

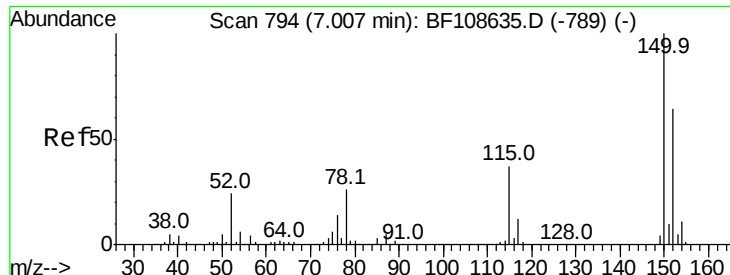
Instrument :
BNA_F
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SB-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
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#1

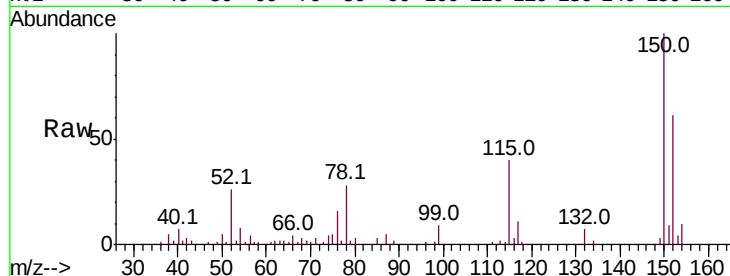
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampleId :
SB-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.8	124.6	186.8
115	65.2	50.1	75.1

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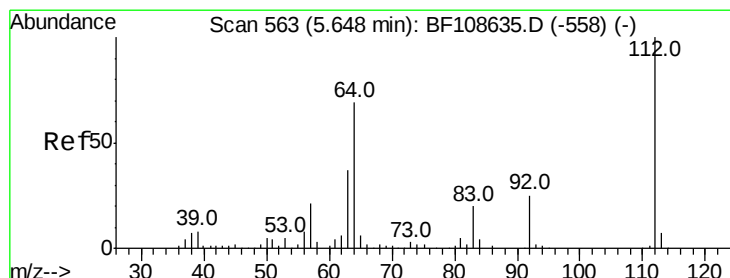
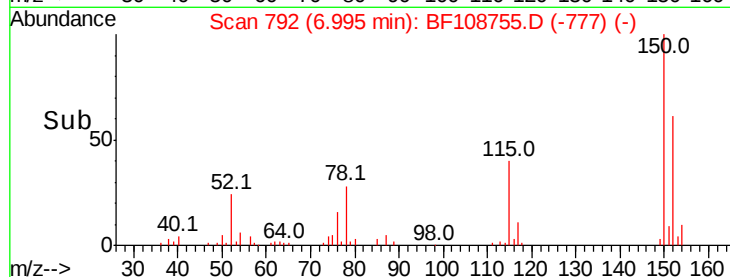
Abundance

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

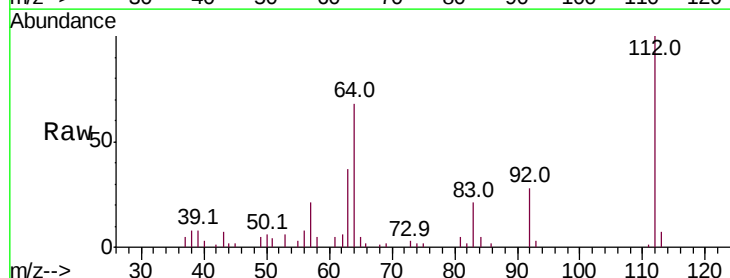
Time-->



#5

2-Fluorophenol
Concen: 48.842 ng m
RT: 5.63 min Scan# 560
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	47.9	71.9
63	37.5	23.7	35.5



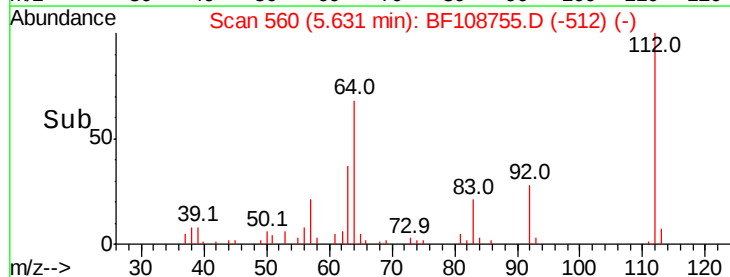
Abundance

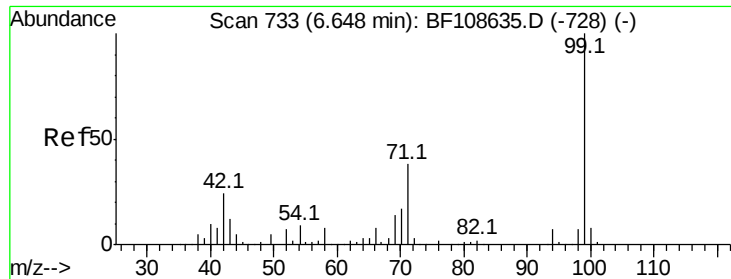
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 57.444 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Instrument :

BNA_F

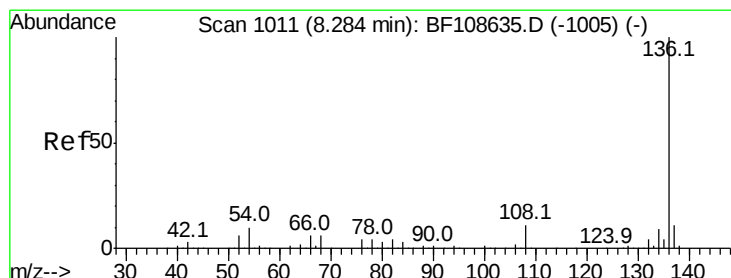
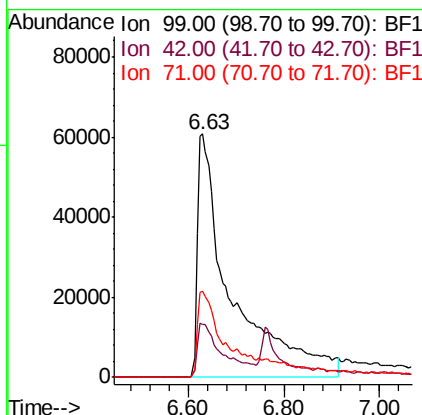
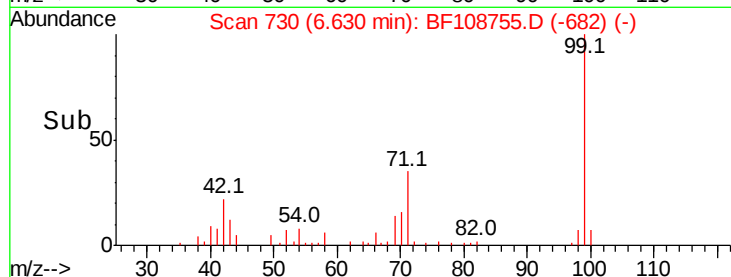
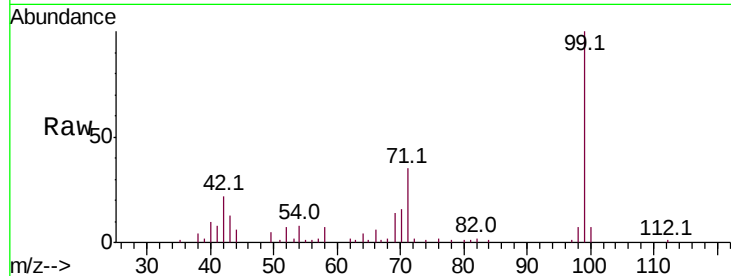
ClientSampleId :

SB-01

Tot Ion:	99	Resp:	301322
Ion Ratio	Lower	Upper	
99	100		
42	21.6	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

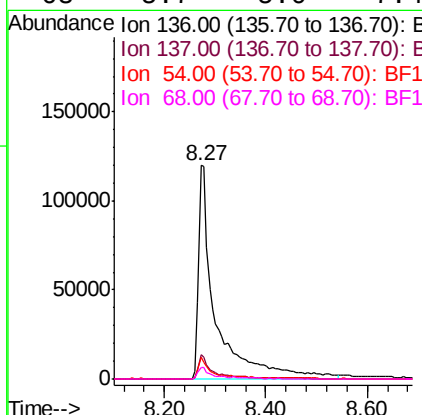
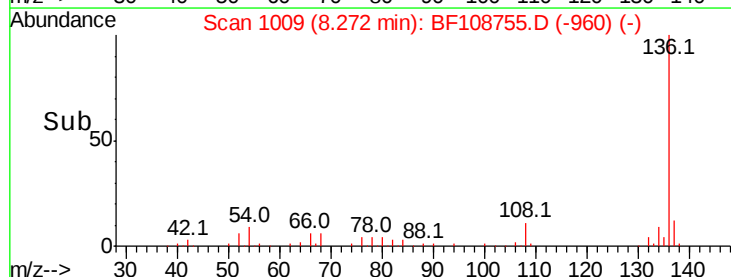
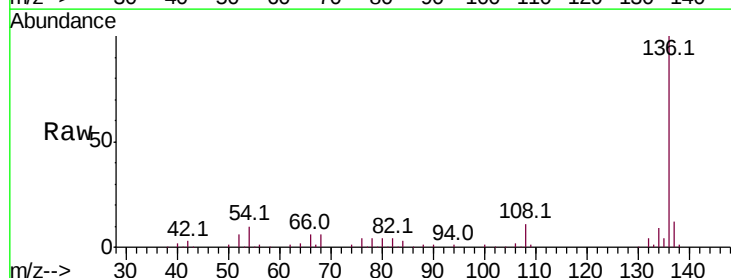
RT: 8.27 min Scan# 1009

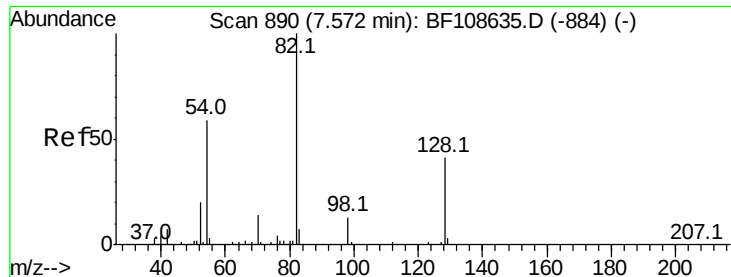
Delta R.T. -0.01 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Tgt Ion:	136	Resp:	283681
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	10.1	6.6	9.8#
68	5.7	5.0	7.4





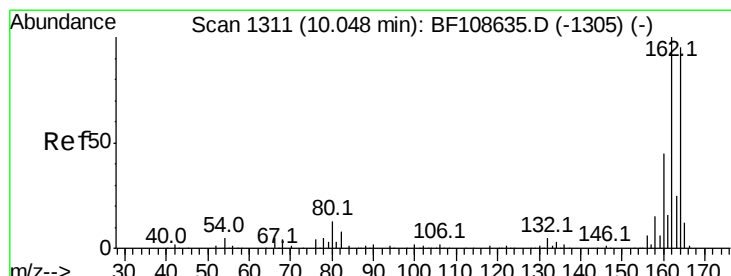
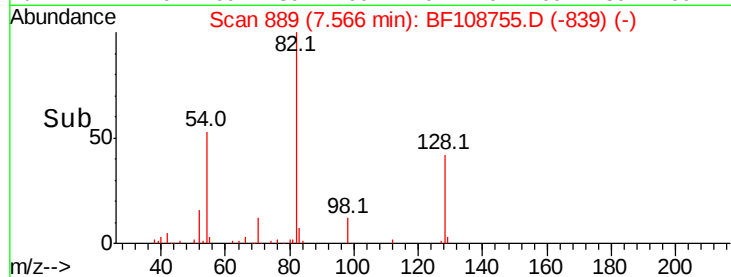
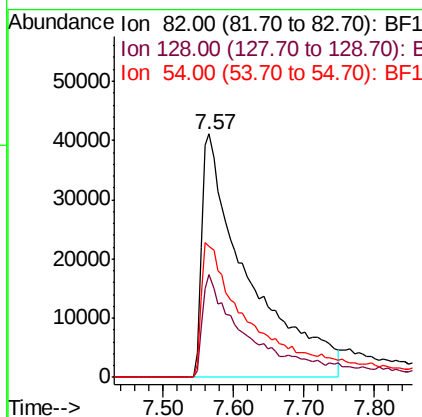
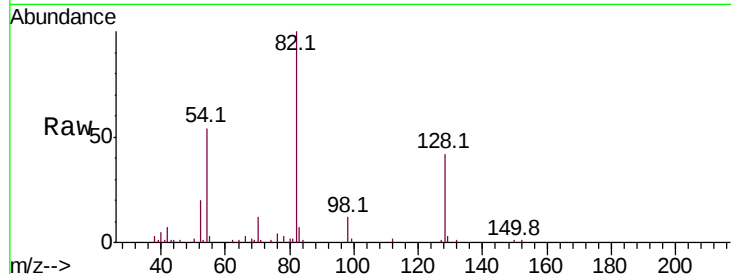
#23
Nitrobenzene-d5
Concen: 33.410 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	54.0	41.4	62.2

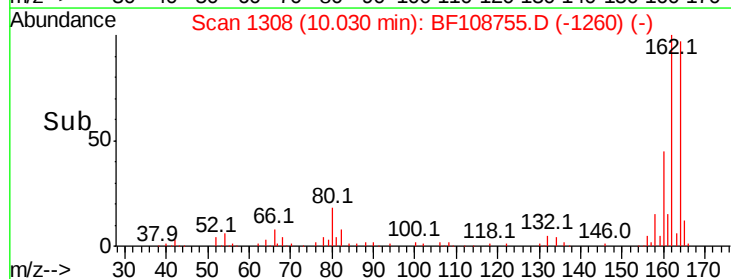
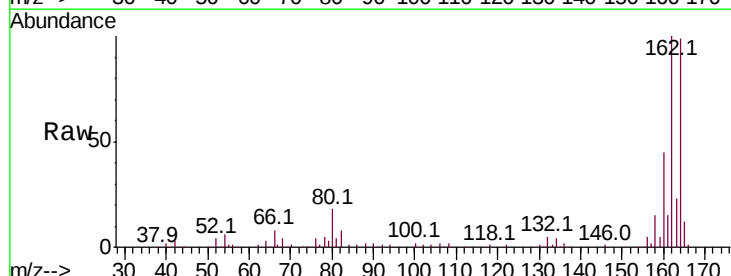
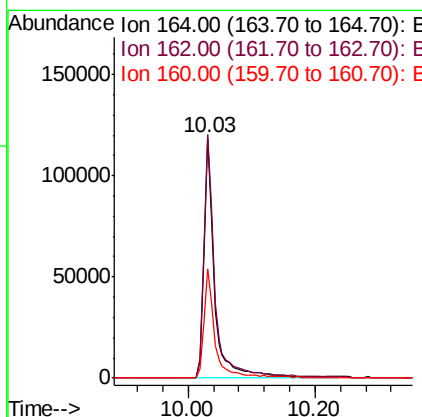
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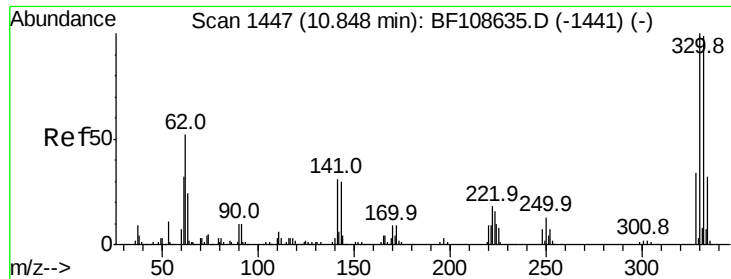
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	45.6	38.3	57.5





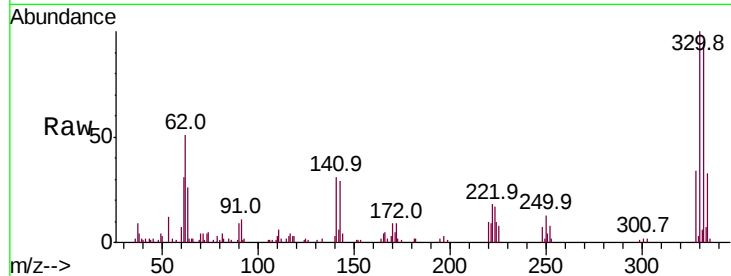
#41
 2,4,6-Tribromophenol
 Concen: 41.671 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108755.D
 Acq: 4 Sep 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.7	29.9	44.9

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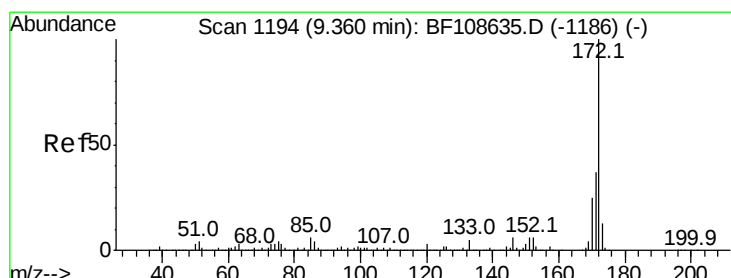
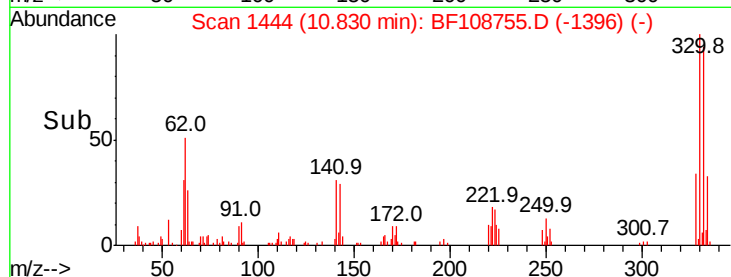
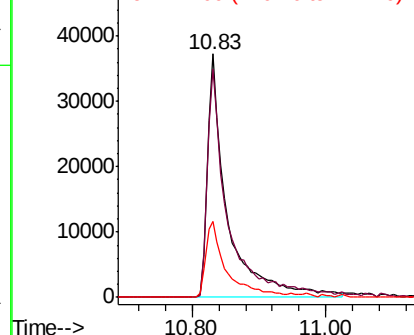


Abundance

Ion 329.80 (329.50 to 330.50): E

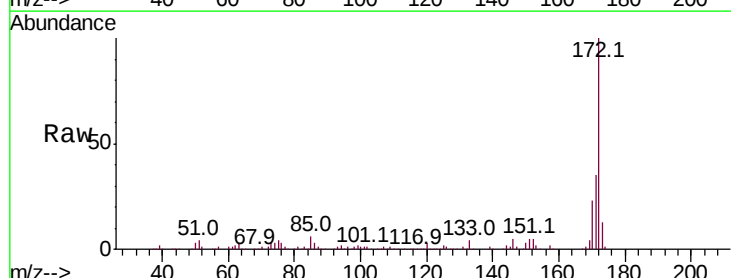
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 41.602 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108755.D
 Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.3	19.6	29.4

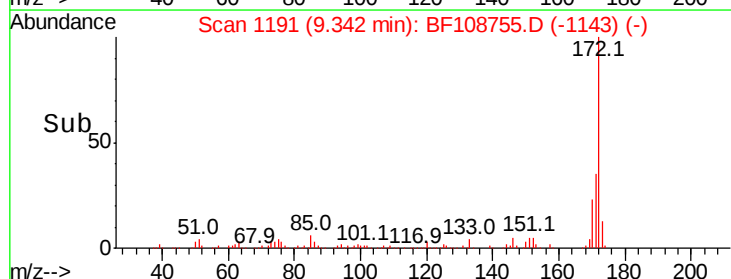
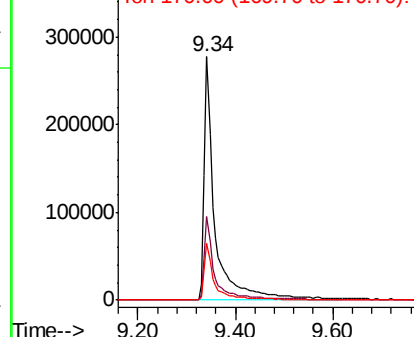


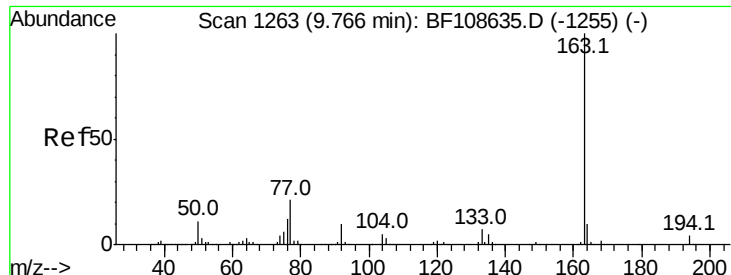
Abundance

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





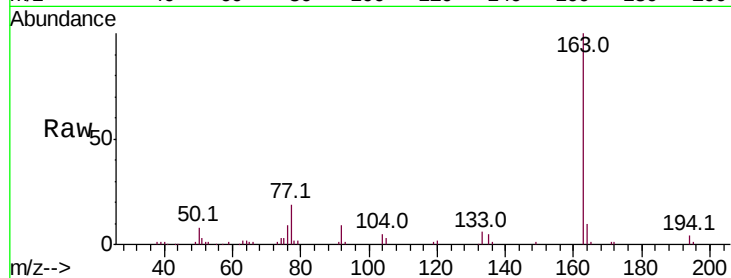
#49
Dimethylphthalate
Concen: 8.726 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	9.6	8.2	12.2	

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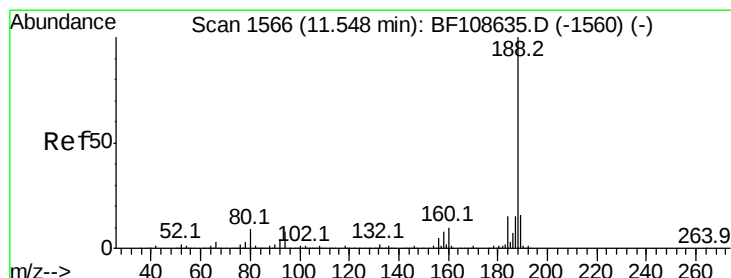
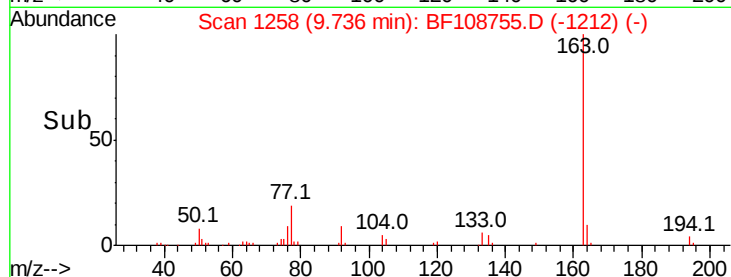
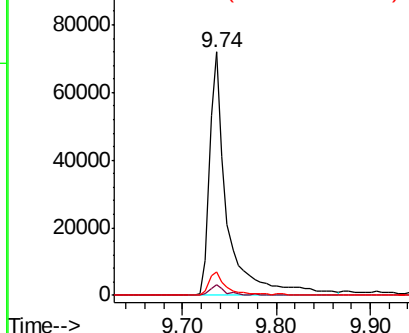


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

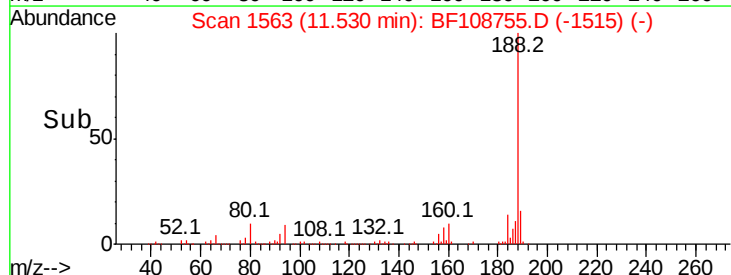
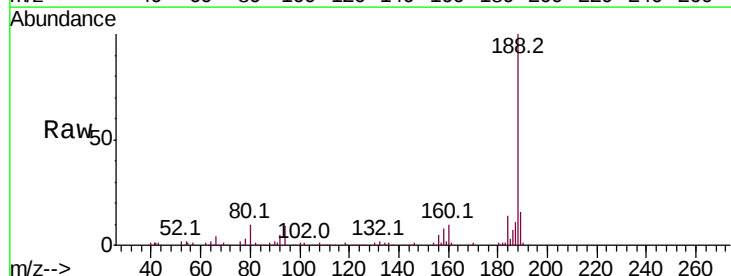
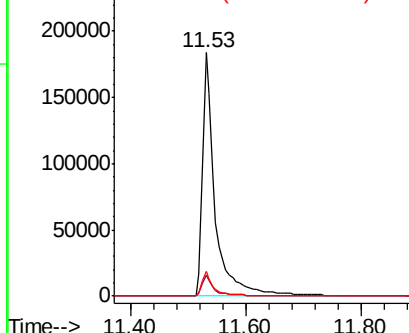
Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	8.5	12.7	
80	10.0	9.2	13.8	

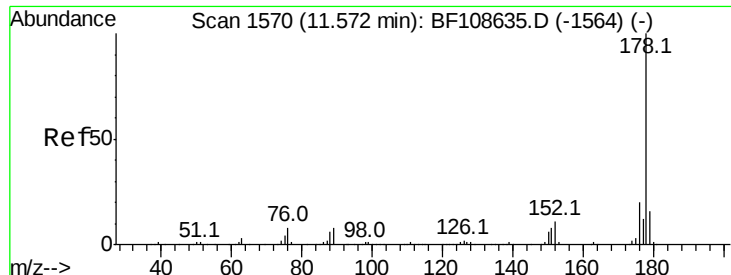
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





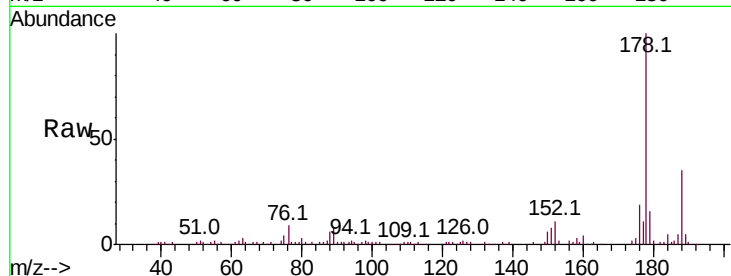
#70
Phenanthrene
Concen: 10.985 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampled :
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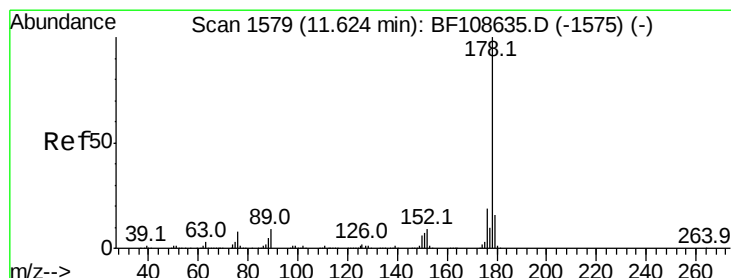
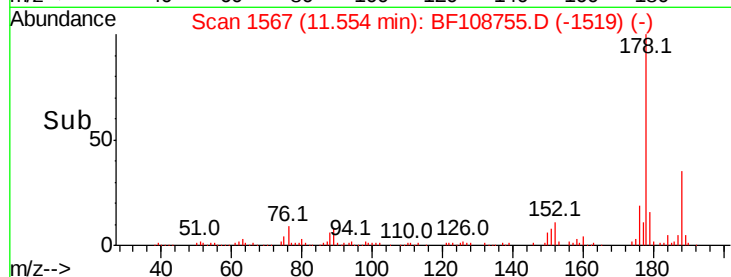
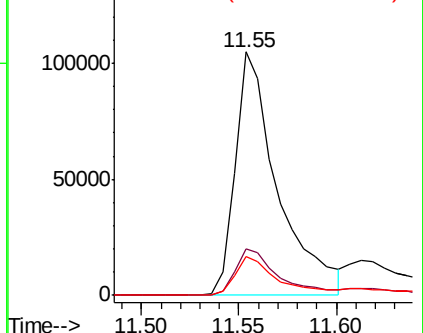
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6

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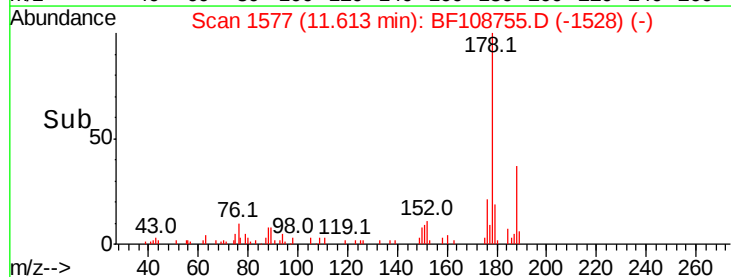
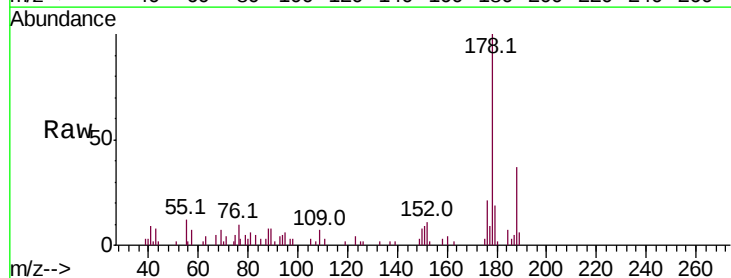
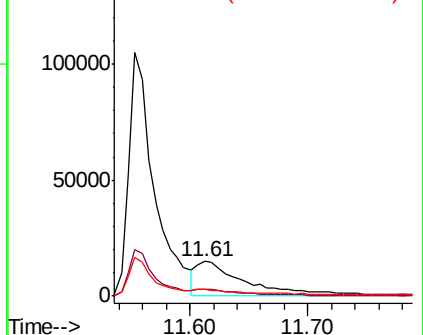
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

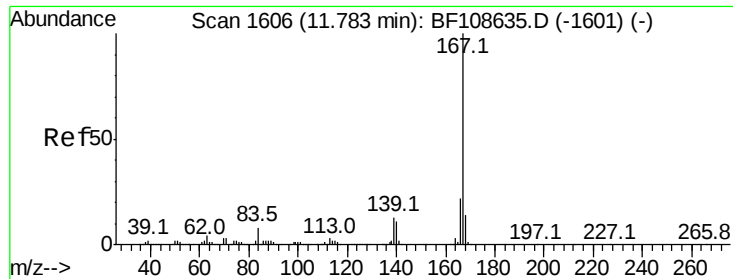


#71
Anthracene
Concen: 2.840 ng m
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.4	23.2
179	19.4	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: 2.111 ng

RT: 11.79 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Instrument :

BNA_F

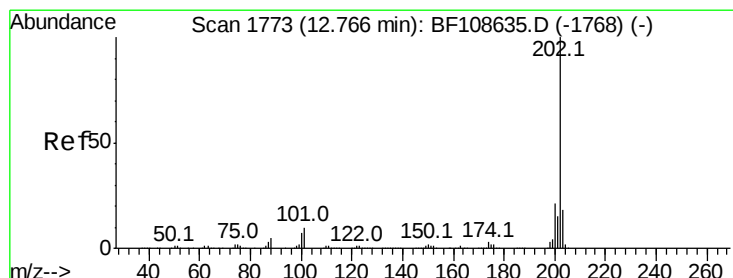
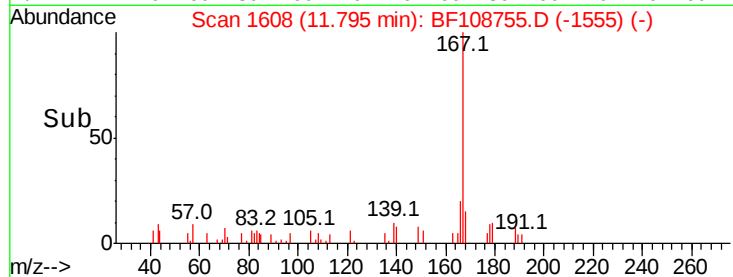
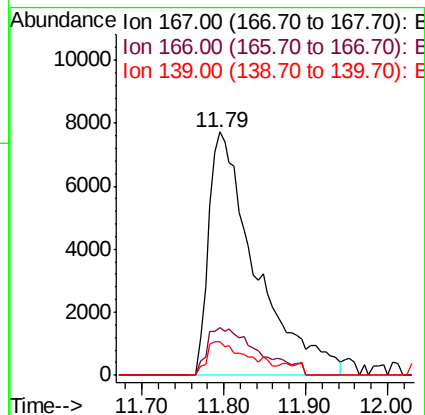
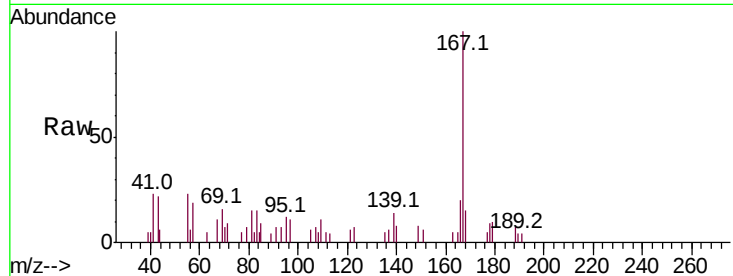
ClientSampled :

SB-01

Tot Ion:	167	Resp:	30847
Ion Ratio	Lower	Upper	
167	100		
166	19.6	17.6	26.4
139	13.9	10.9	16.3

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#74

Fluoranthene

Concen: 15.307 ng

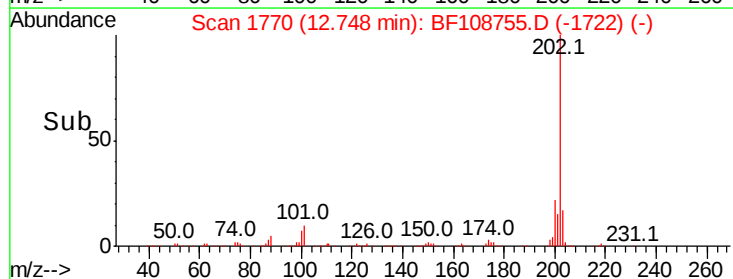
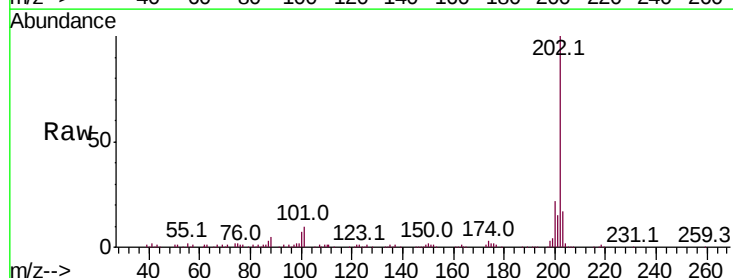
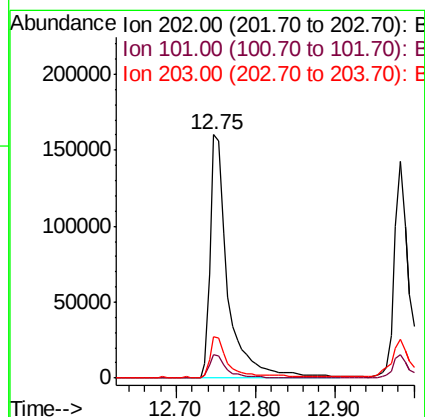
RT: 12.75 min Scan# 1770

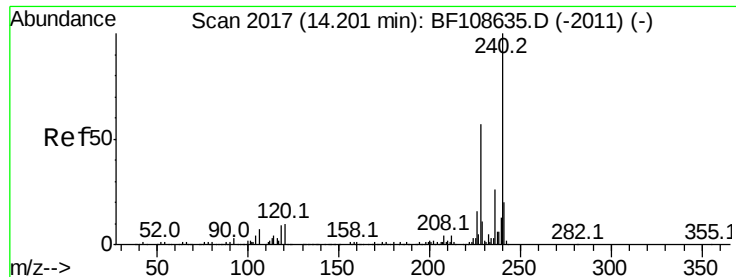
Delta R.T. -0.02 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Tgt Ion:	202	Resp:	247757
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Instrument :

BNA_F

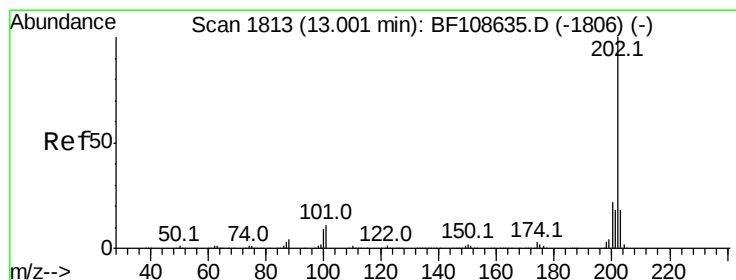
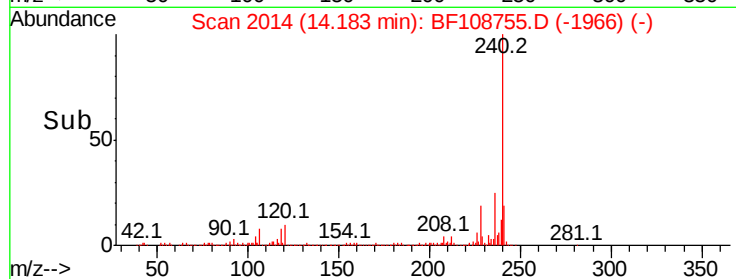
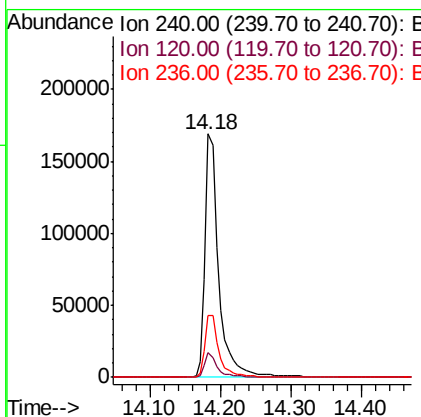
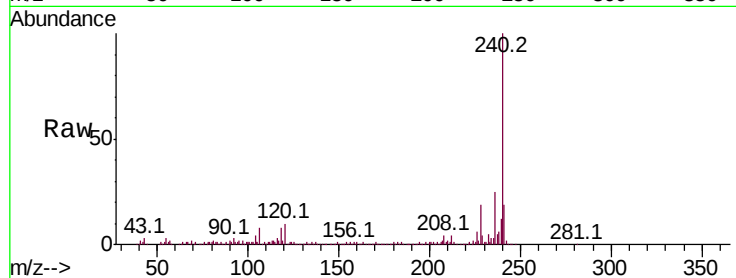
ClientSampled :

SB-01

Tot Ion:	240	Resp:	228440
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 11.571 ng

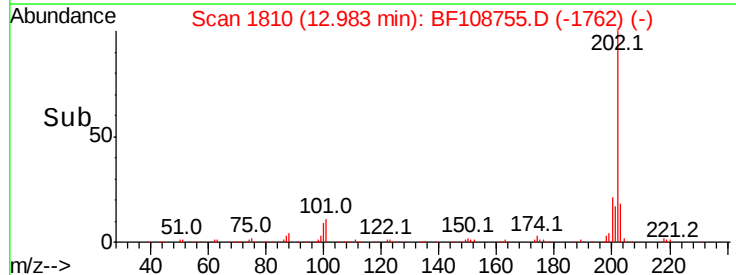
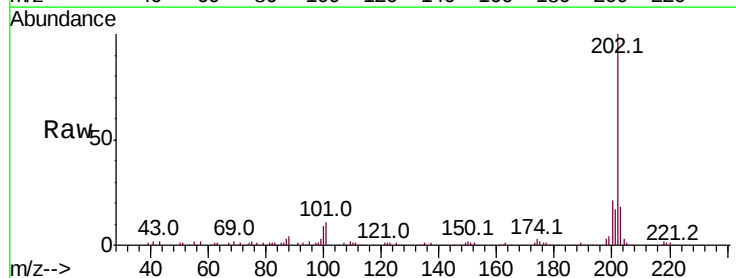
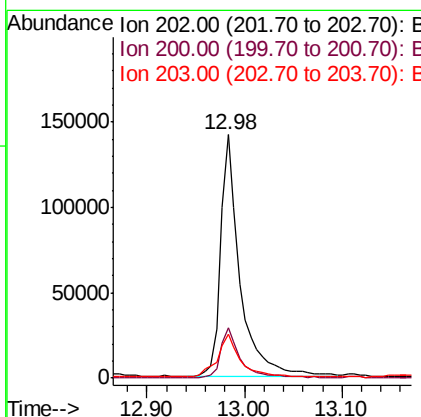
RT: 12.98 min Scan# 1810

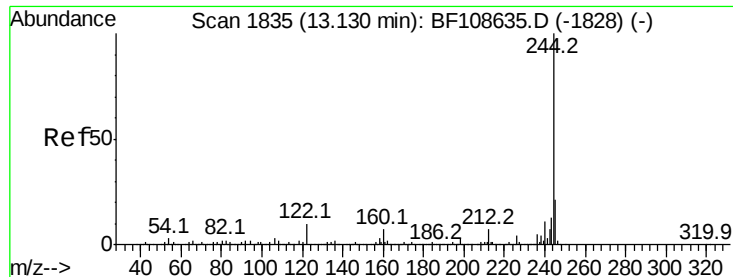
Delta R.T. -0.02 min

Lab File: BF108755.D

Acq: 4 Sep 2018 21:44

Tgt Ion:	202	Resp:	198693
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.1	14.3	21.5





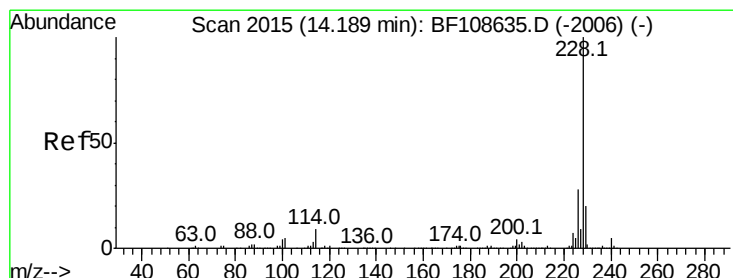
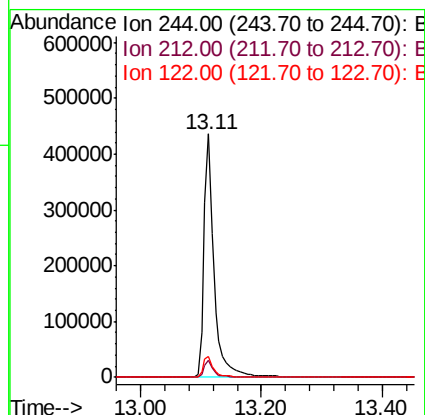
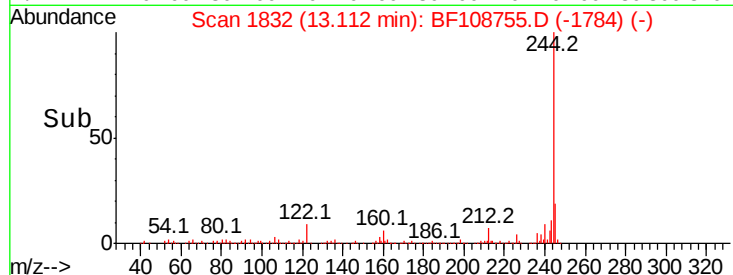
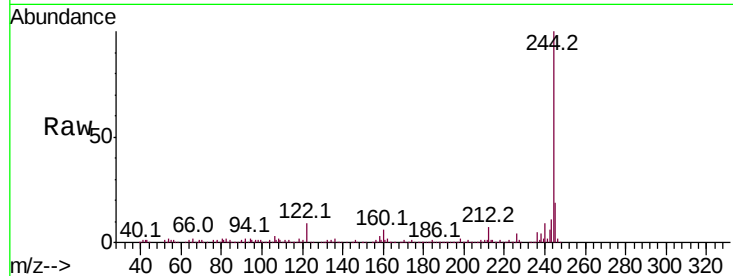
#78
 Terphenyl-d14
 Concen: 43.475 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108755.D
 Acq: 4 Sep 2018 21:44

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion:	244	Resp:	511148
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	8.6	11.0	16.4

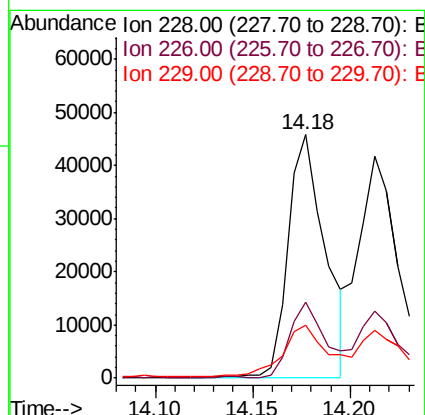
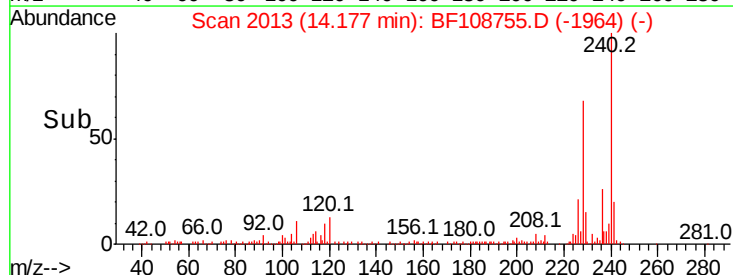
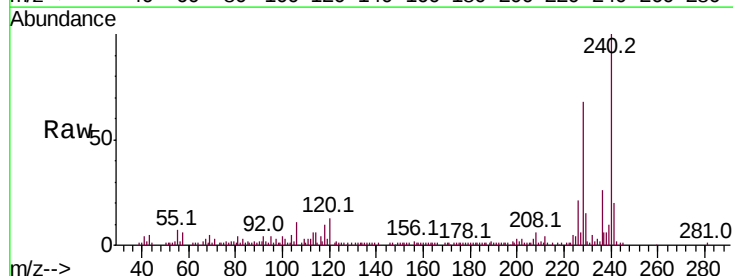
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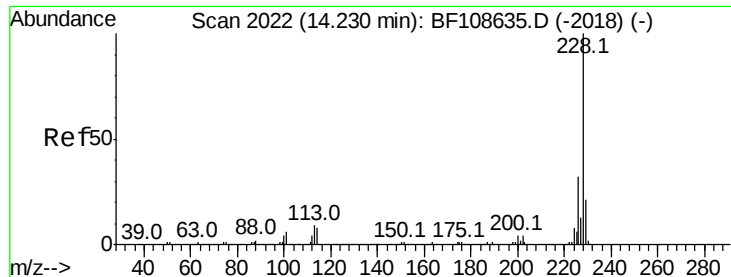
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#80
 Benzo(a)anthracene
 Concen: 4.341 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108755.D
 Acq: 4 Sep 2018 21:44

Tgt Ion:	228	Resp:	60450
Ion Ratio	Lower	Upper	
228	100		
226	31.3	22.6	33.8
229	21.6	15.8	23.6





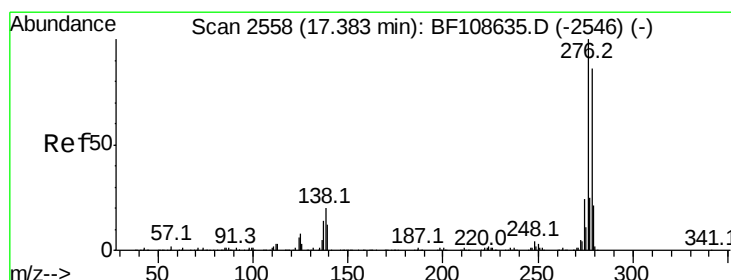
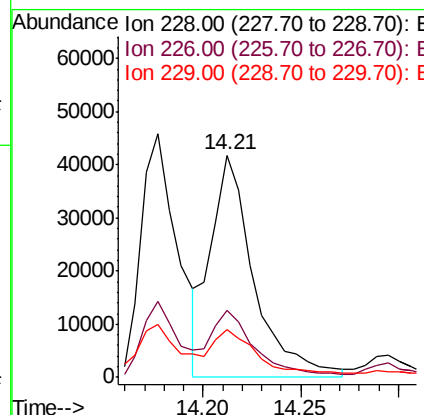
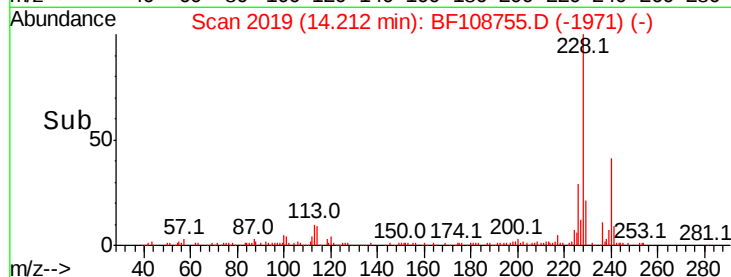
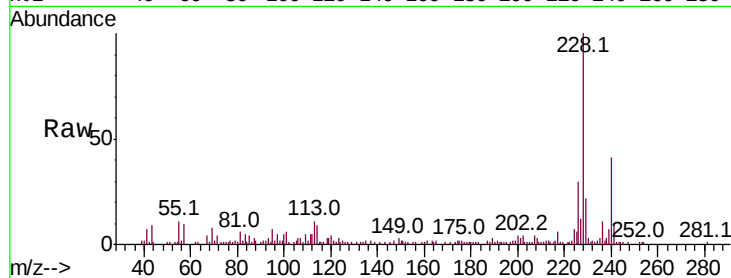
#82
Chrysene
Concen: 4.807 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.8	16.2	24.4

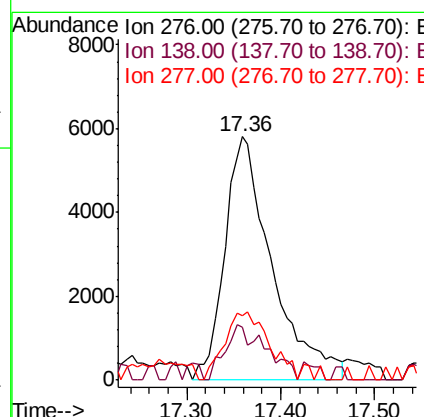
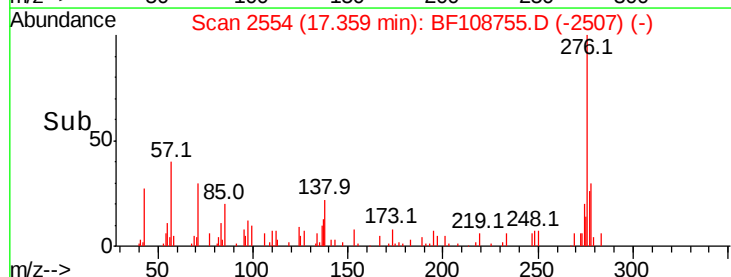
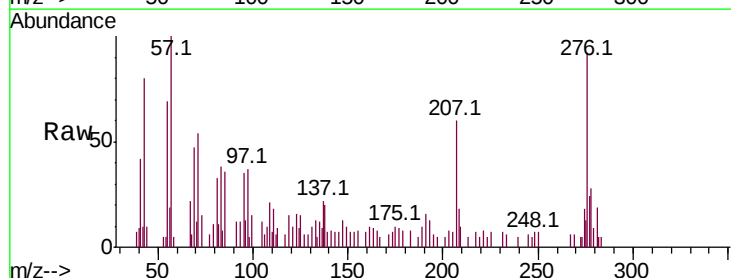
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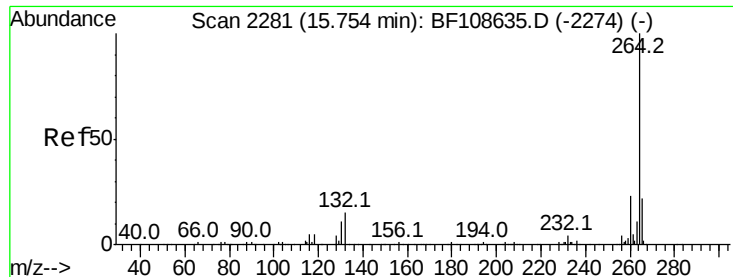
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	26.3	20.1	30.1





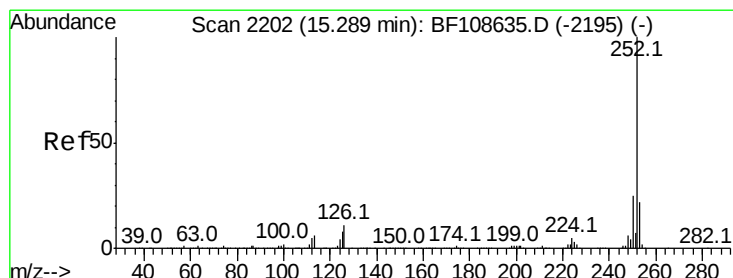
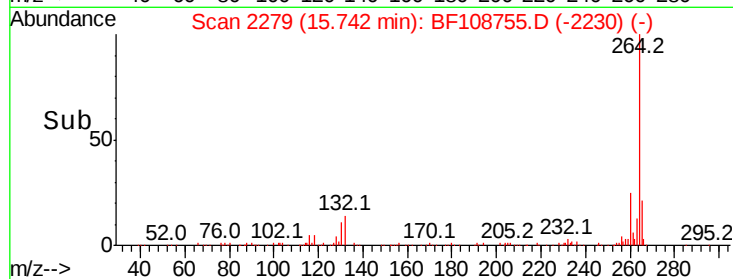
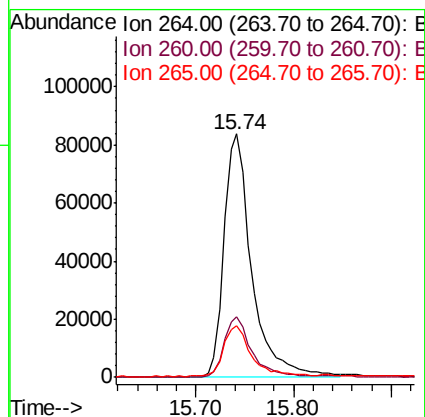
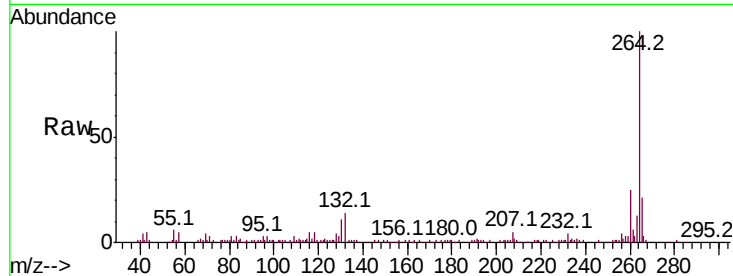
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.1	17.5	26.3

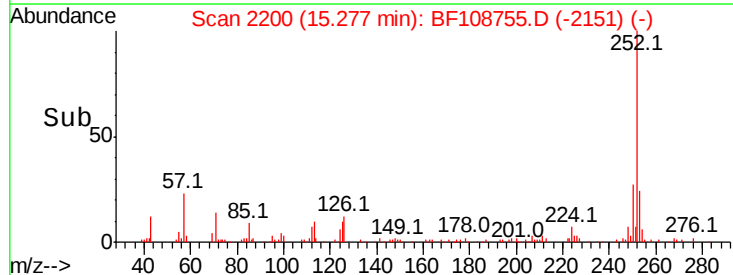
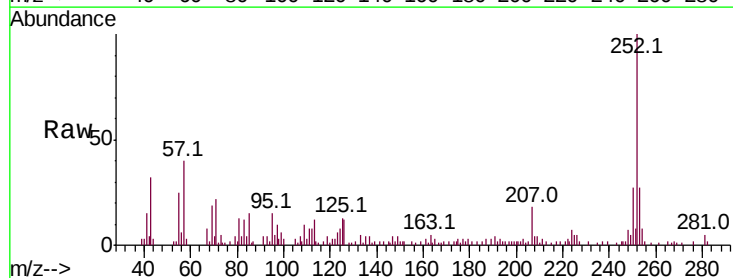
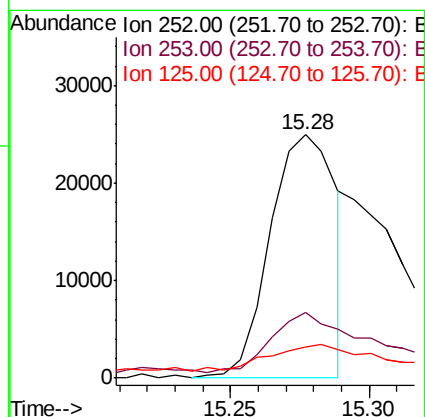
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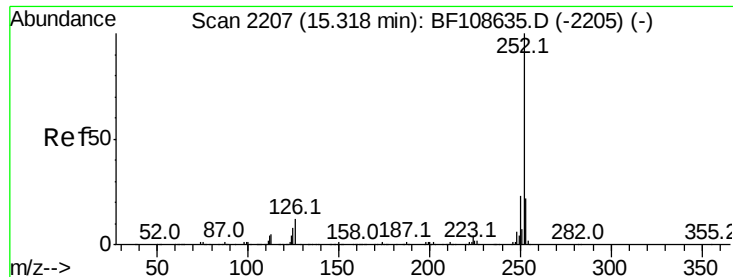
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#87
Benzo(b)fluoranthene
Concen: 4.068 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.6#
125	13.0	9.0	13.6





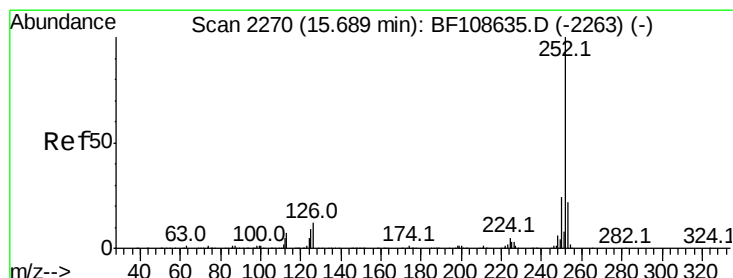
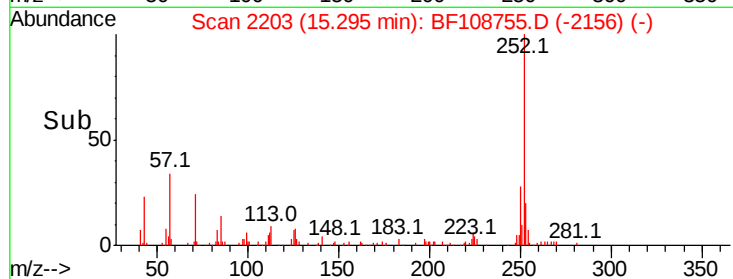
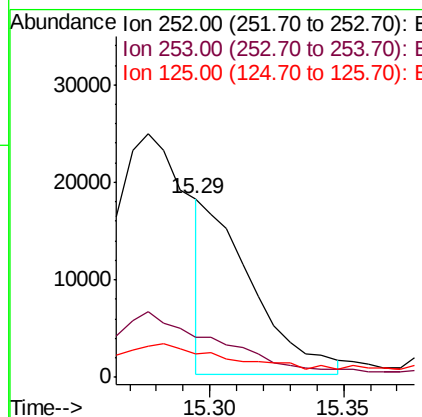
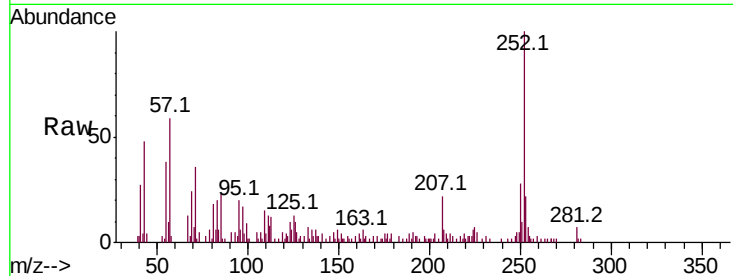
#88
Benzo(k)fluoranthene
Concen: 2.266 ng m
RT: 15.29 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Instrument :
BNA_F
ClientSampleId :
SB-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.1	10.2	15.2

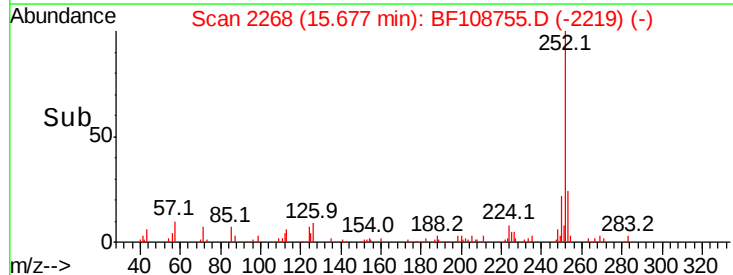
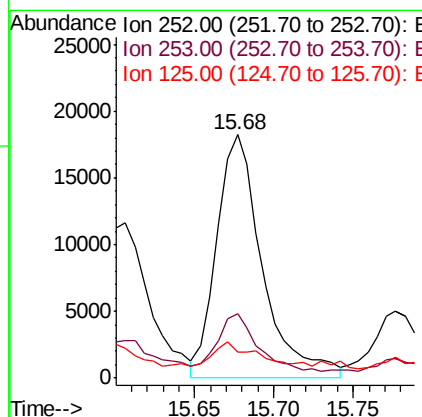
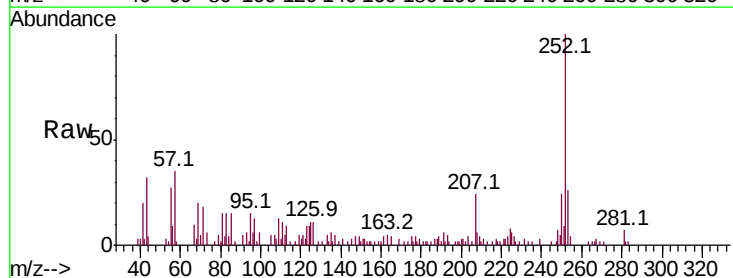
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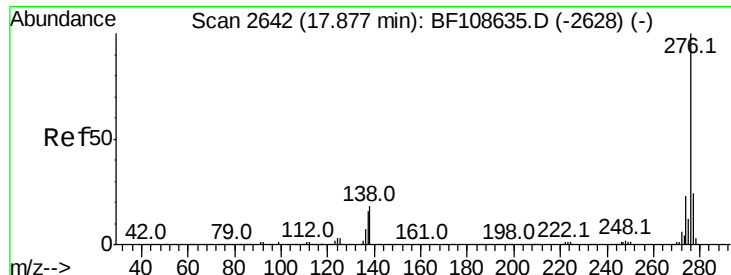
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#89
Benzo(a)pyrene
Concen: 3.975 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108755.D
Acq: 4 Sep 2018 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	10.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.430 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.02 min
 Lab File: BF108755.D
 Acq: 4 Sep 2018 21:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	15.1	21.8	32.8

Manual Integrations
 APPROVED

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