

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108703.D
 Acq On : 31 Aug 2018 21:38
 Operator : JU/SJ
 Sample : J4712-06 4X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Manual Integrations
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Quant Time: Sep 01 04:33:13 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	7.01	152	52237	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	241962	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	105978	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	217868	20.00	ng	0.00
75) Chrysene-d12	14.19	240	218050	20.00	ng	0.00
86) Perylene-d12	15.76	264	165312	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.88	112	23766m	7.90	ng	0.23
7) Phenol-d6	6.69	99	58486m	13.58	ng	0.04
23) Nitrobenzene-d5	7.61	82	45840m	9.62	ng	0.04
41) 2,4,6-Tribromophenol	10.84	330	17288	12.36	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	87281	11.07	ng	0.00
78) Terphenyl-d14	13.12	244	109431	9.75	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.91	152	55784	5.275	ng	Qvalue 100
70) Phenanthrene	11.57	178	46917	4.266	ng	98
71) Anthracene	11.62	178	56114	4.856	ng	98
74) Fluoranthene	12.76	202	264574	21.374	ng	93
77) Pyrene	13.00	202	276363	16.860	ng	97
80) Benzo(a)anthracene	14.18	228	221657	16.675	ng	99
82) Chrysene	14.22	228	175418	13.722	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	128802	14.491	ng	# 81
87) Benzo(b)fluoranthene	15.29	252	274862m	27.067	ng	
88) Benzo(k)fluoranthene	15.31	252	122555m	12.183	ng	
89) Benzo(a)pyrene	15.69	252	211261m	23.021	ng	
90) Dibenzo(a,h)anthracene	17.39	278	26605	3.630	ng	# 88
91) Benzo(a,h,i)perylene	17.87	276	112119	15.739	ng	# 87

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

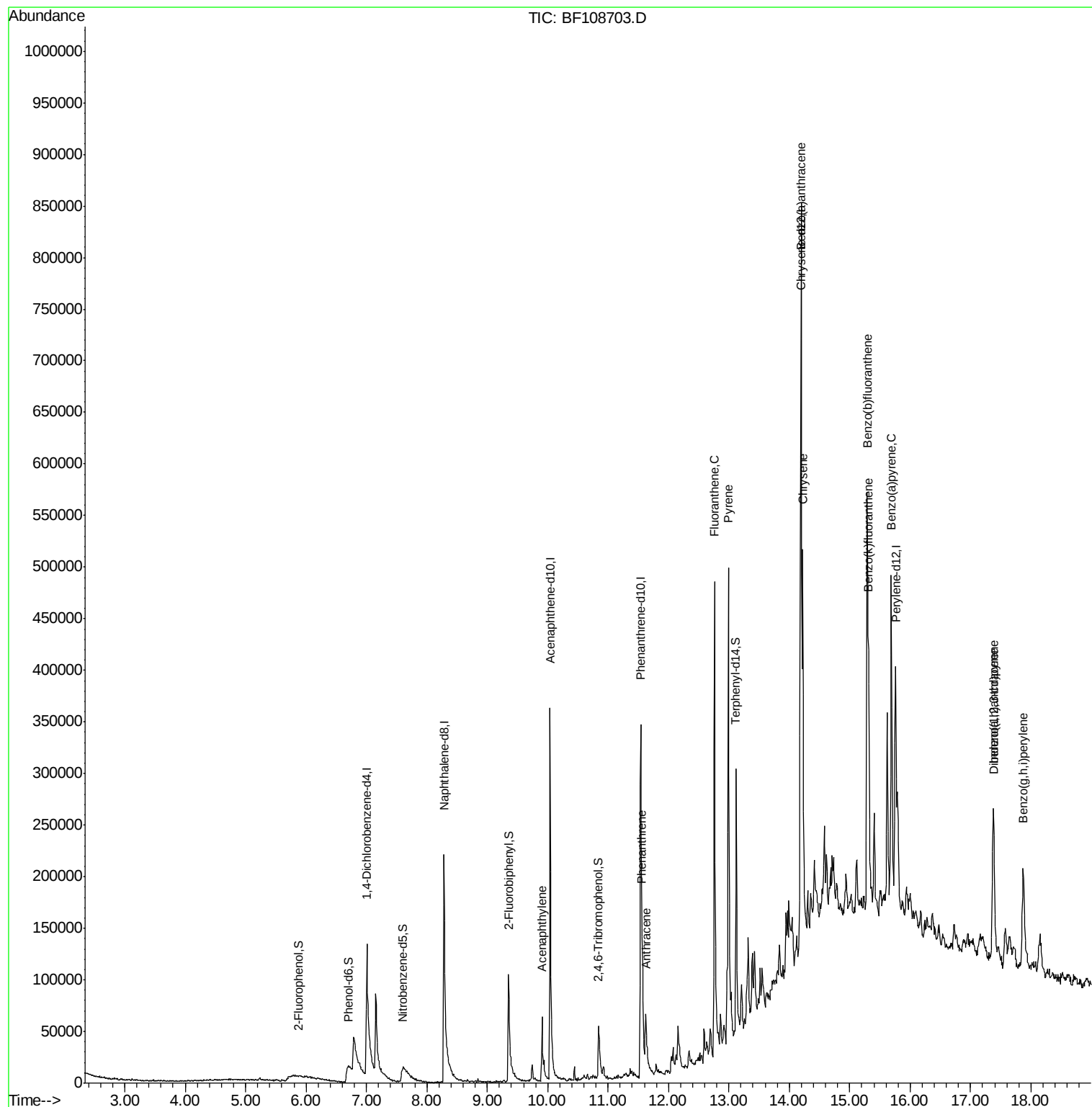
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
Data File : BF108703.D
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ALS Vial : 18 Sample Multiplier: 1

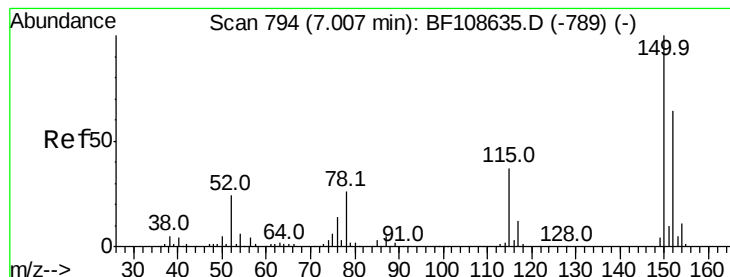
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
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#1

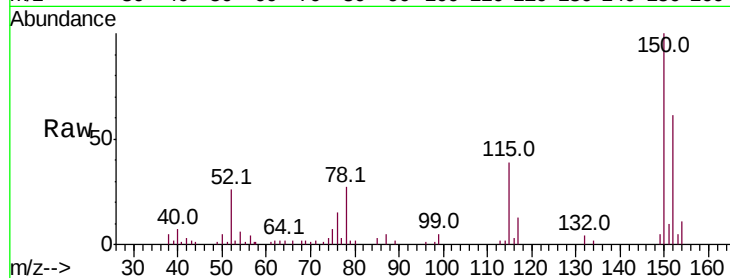
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.6	186.8
115	62.9	50.1	75.1

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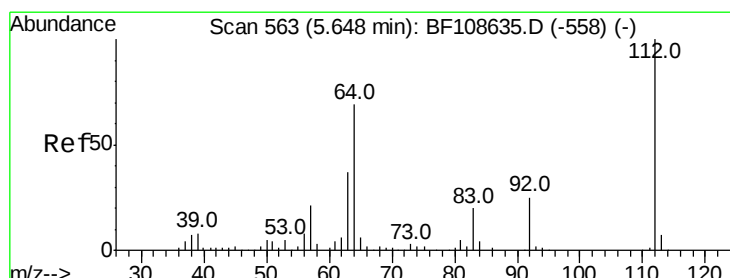
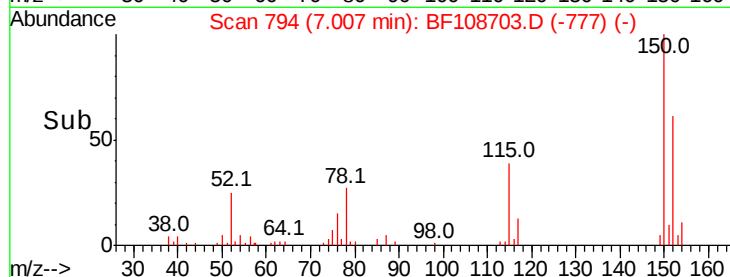
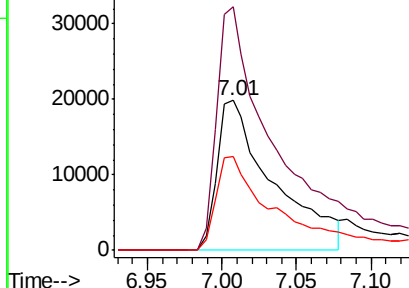


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

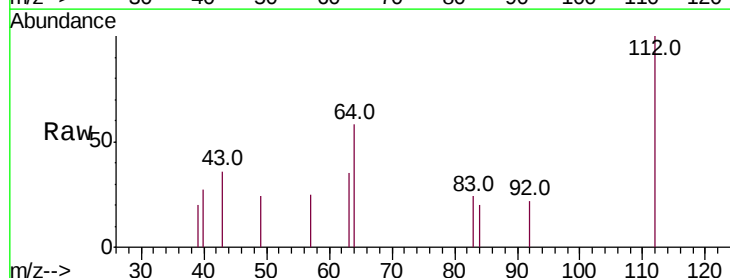
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 7.904 ng m
RT: 5.88 min Scan# 602
Delta R.T. 0.23 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	34.5	23.7	35.5

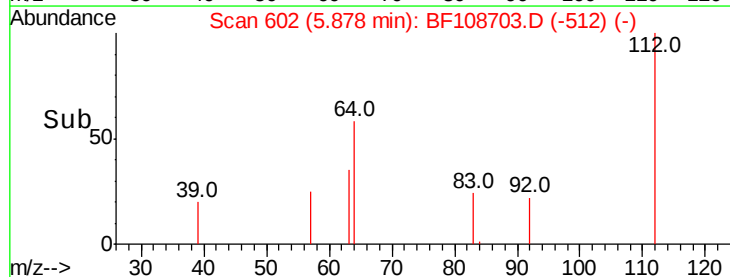
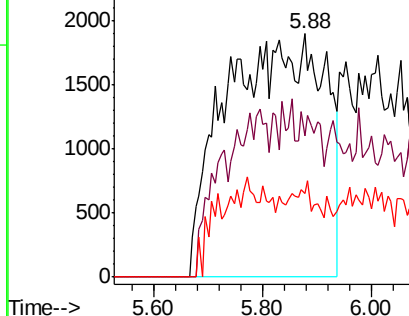


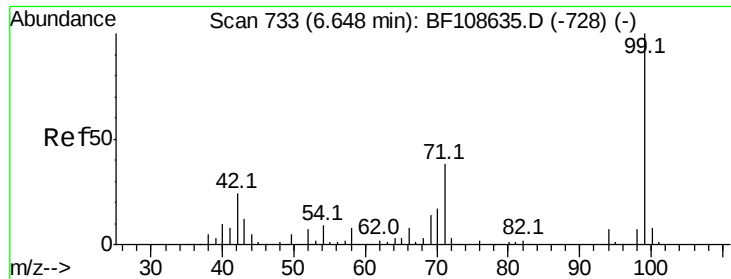
Abundance

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





#7

Phenol-d6

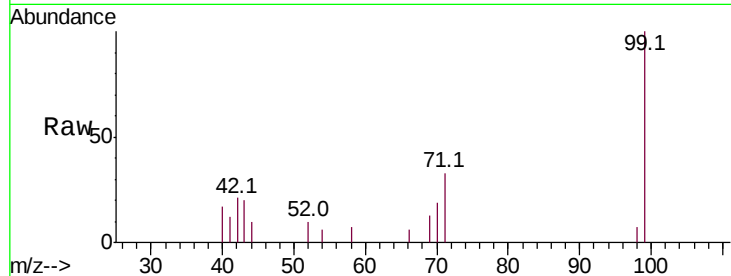
Concen: 13.580 ng/ml
 RT: 6.69 min Scan# 740
 Delta R.T. 0.04 min
 Lab File: BF108703.D
 Acq: 31 Aug 2018 21:38

Instrument :
 BNA_F
 ClientSampled :
 SB-04

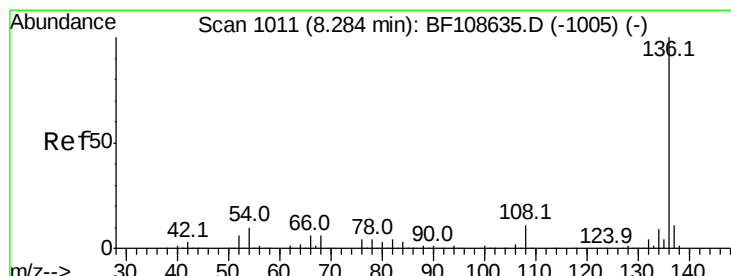
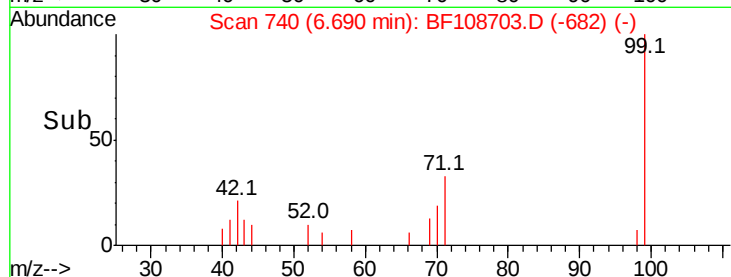
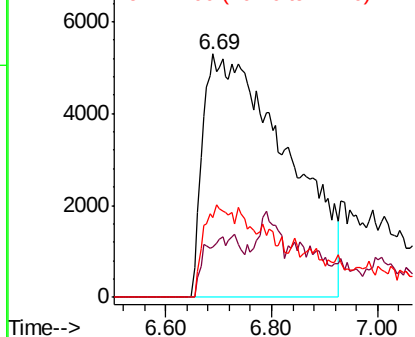
Tot Ion	Ratio	Resp	Lower	Upper
99	100	58486		
42	20.7		14.5	21.7
71	32.7		25.4	38.0

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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



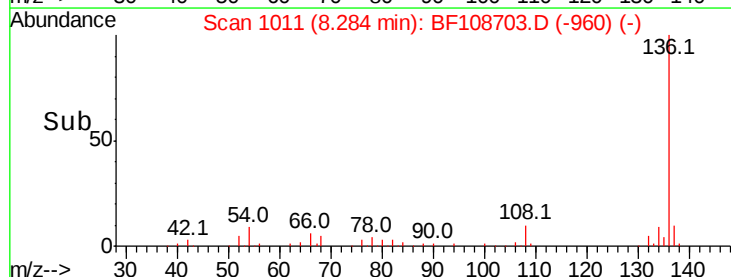
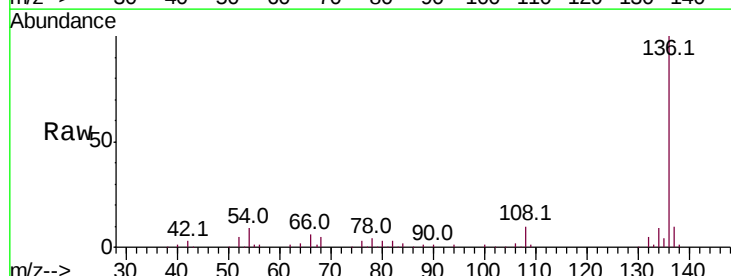
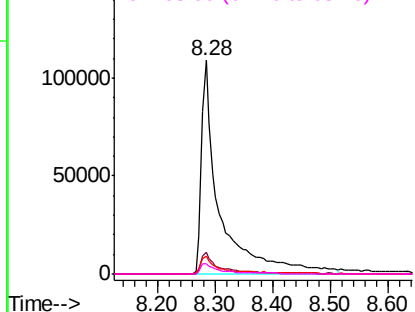
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.28 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BF108703.D
 Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	241962		
137	10.4		8.9	13.3
54	8.6		6.6	9.8
68	4.9		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





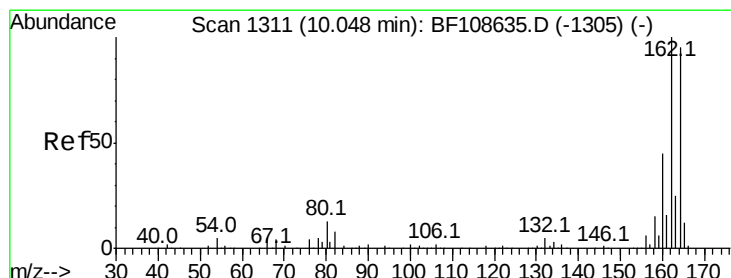
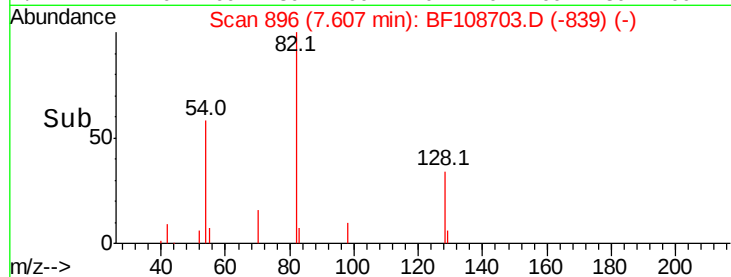
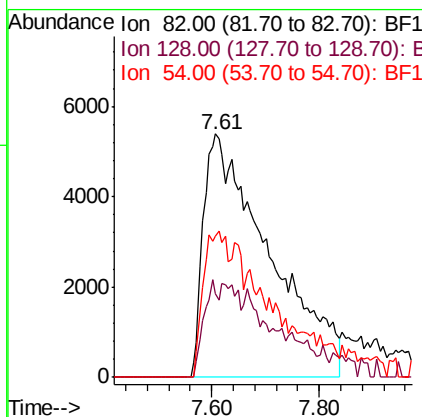
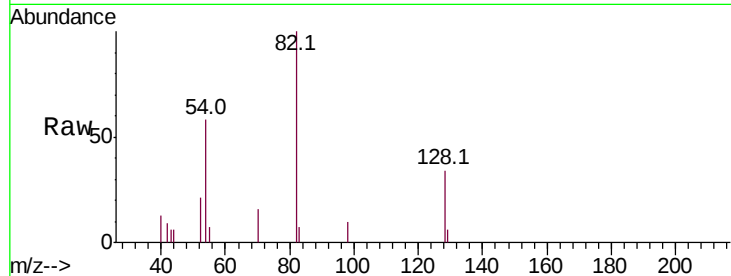
#23
Nitrobenzene-d5
Concen: 9.616 ng m
RT: 7.61 min Scan# 896
Delta R.T. 0.04 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.3	36.1	54.1#
54	58.2	41.4	62.2

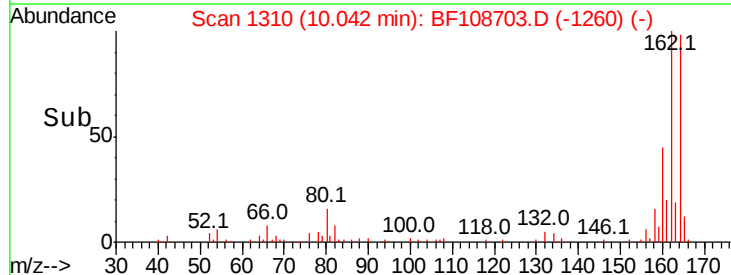
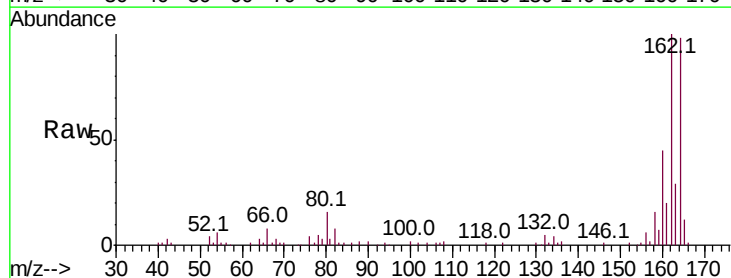
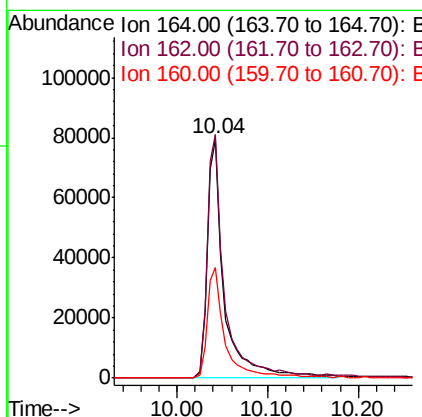
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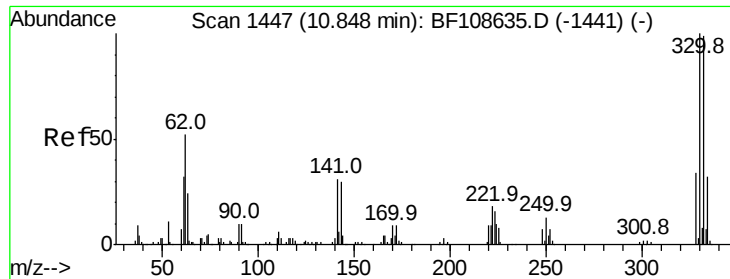
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.1	38.3	57.5





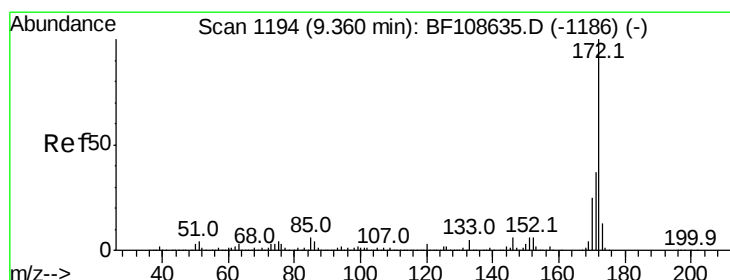
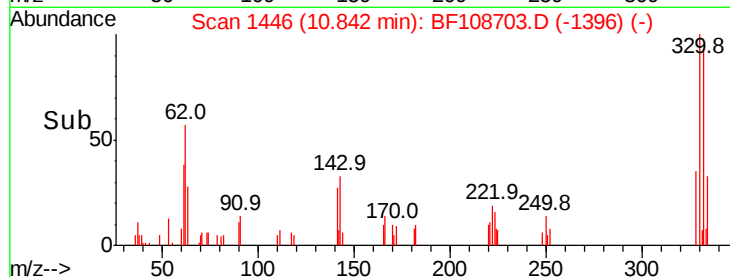
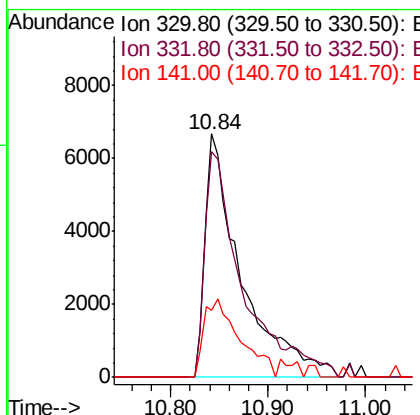
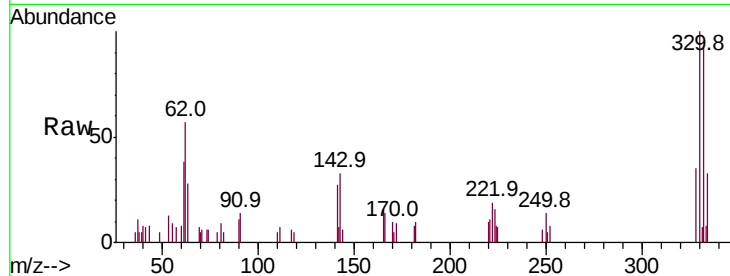
#41
 2,4,6-Tribromophenol
 Concen: 12.357 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108703.D
 Acq: 31 Aug 2018 21:38

Instrument :
 BNA_F
 ClientSampled :
 SB-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	31.6	29.9	44.9

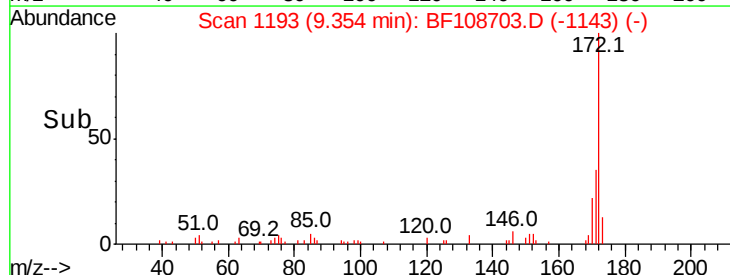
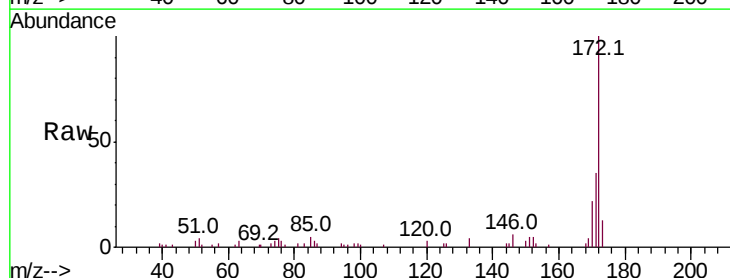
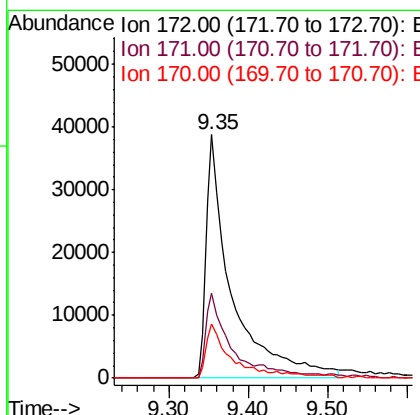
Manual Integrations
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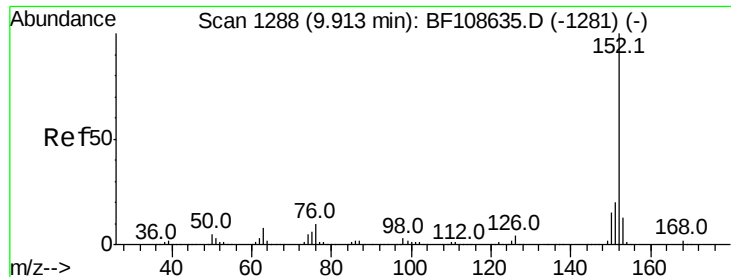
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#44
 2-Fluorobiphenyl
 Concen: 11.074 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108703.D
 Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.2	19.6	29.4





#48

Acenaphthylene

Concen: 5.275 ng

RT: 9.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Instrument :

BNA_F

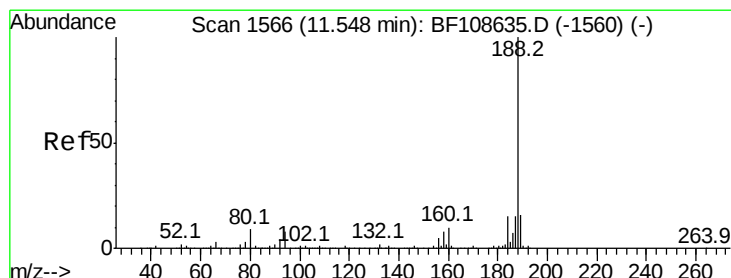
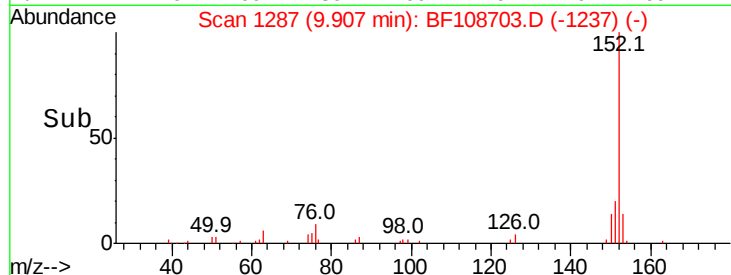
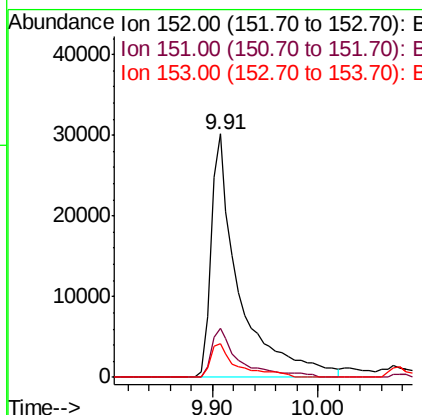
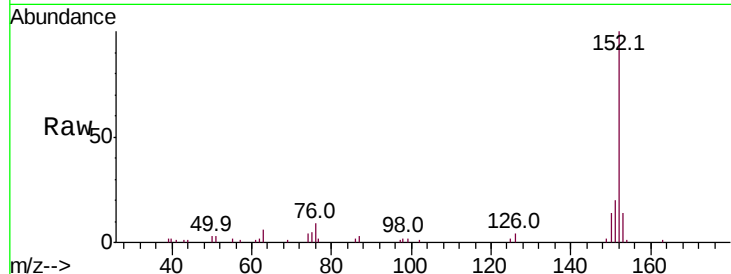
ClientSampled :

SB-04

Tot Ion:	152	Resp:	55784
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.6	10.7	16.1

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

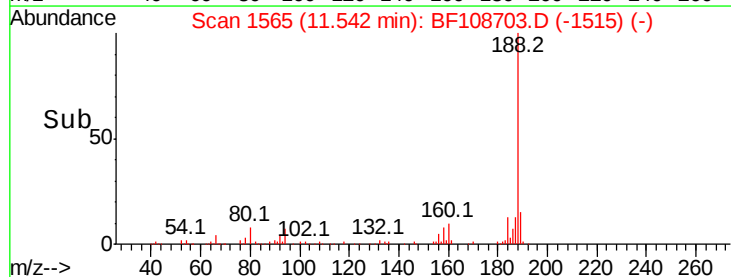
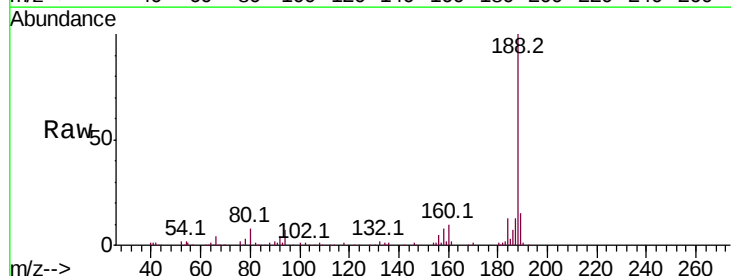
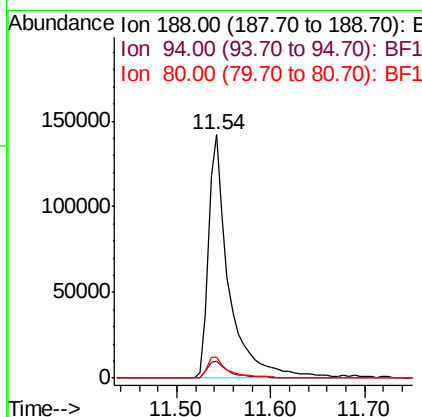
RT: 11.54 min Scan# 1565

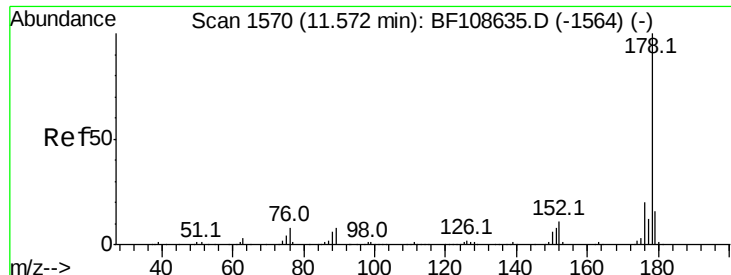
Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Tgt Ion:	188	Resp:	217868
Ion Ratio	Lower	Upper	
188	100		
94	7.2	8.5	12.7#
80	8.4	9.2	13.8#





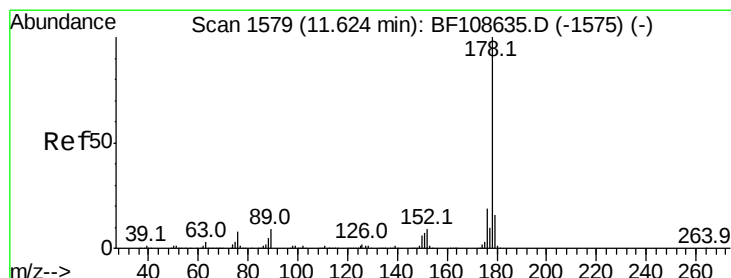
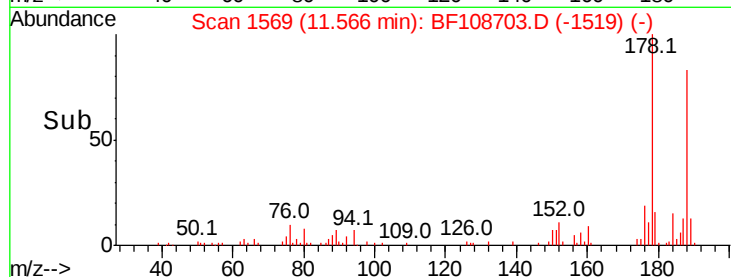
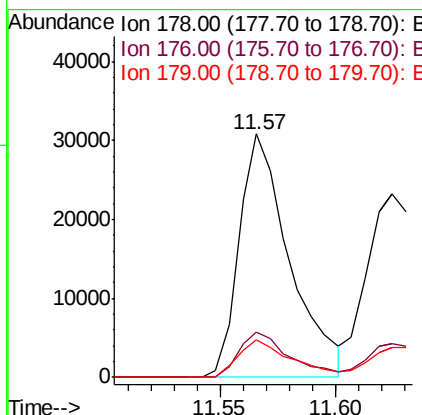
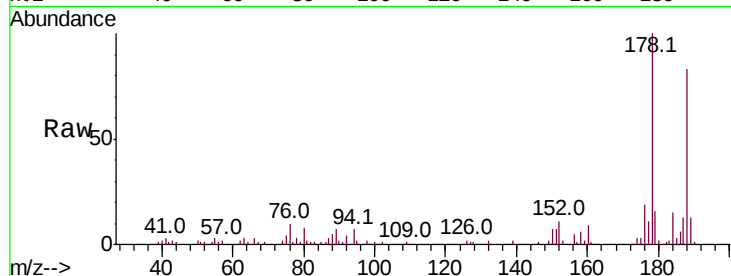
#70
Phenanthrene
Concen: 4.266 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.6	13.0	19.6

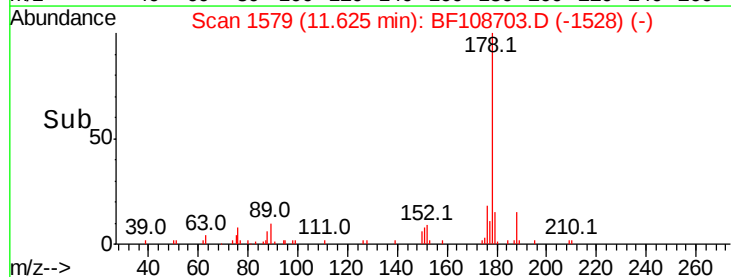
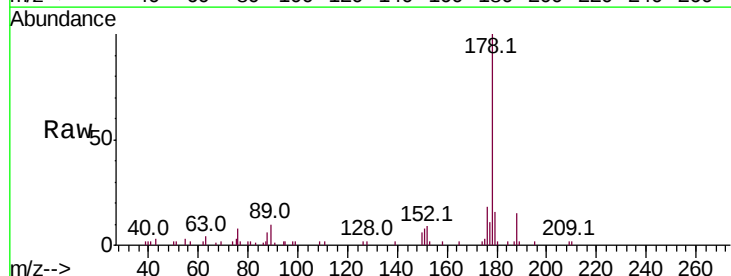
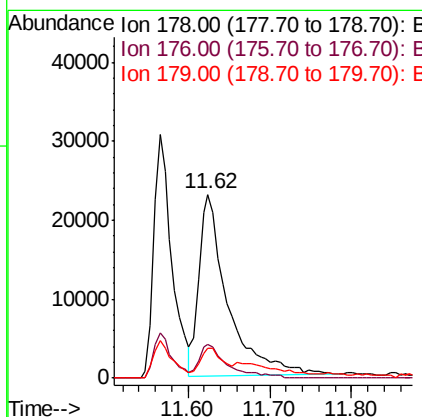
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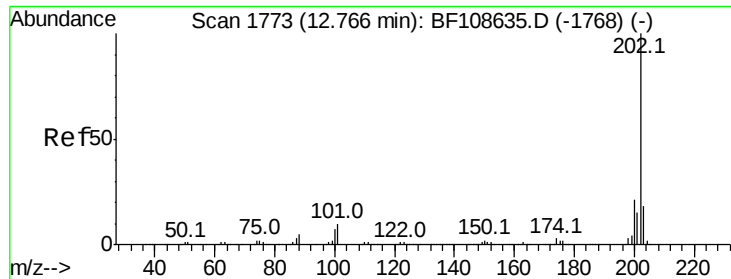
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#71
Anthracene
Concen: 4.856 ng
RT: 11.62 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 21.374 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Instrument :

BNA_F

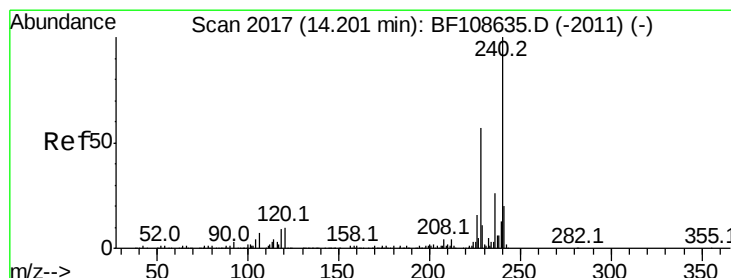
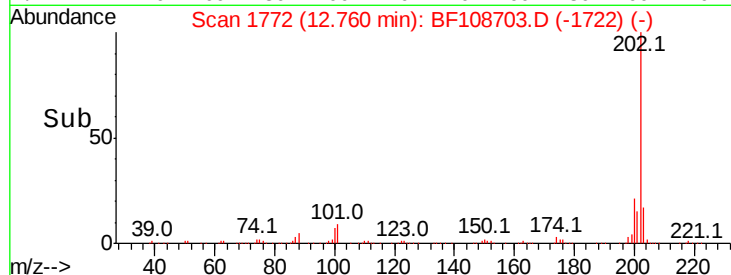
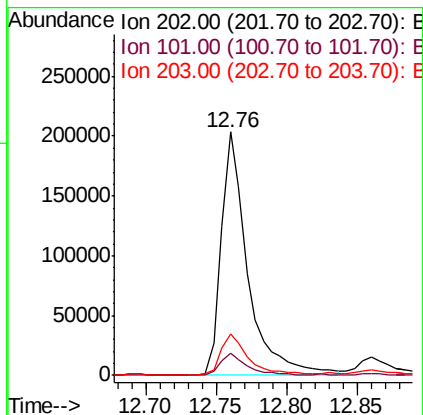
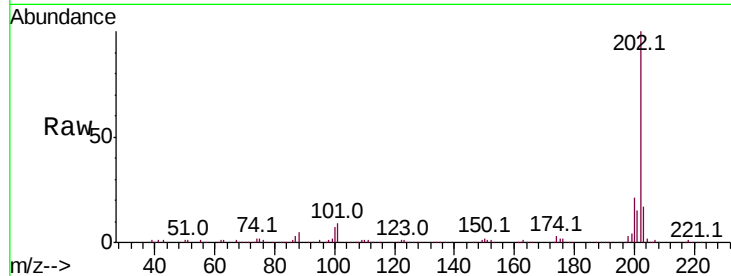
ClientSampled :

SB-04

Tot Ion	Ratio	Resp	Lower	Upper
202	100	264574		
101	9.1	0.0	34.1	
203	17.2	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

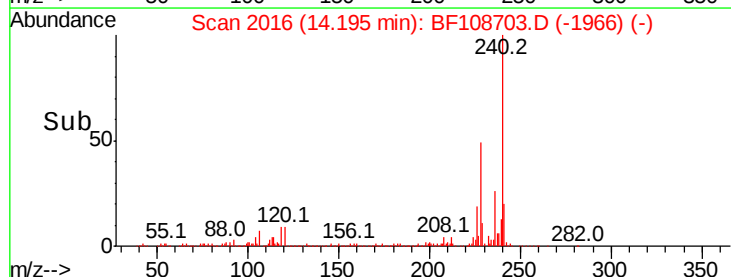
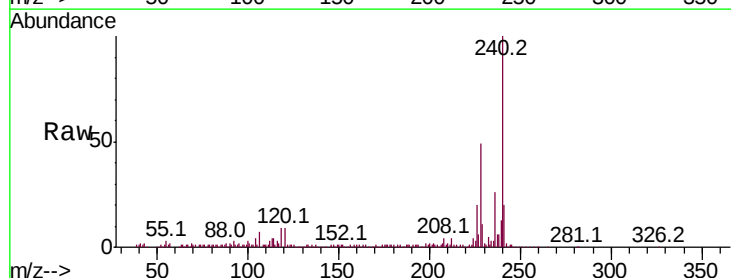
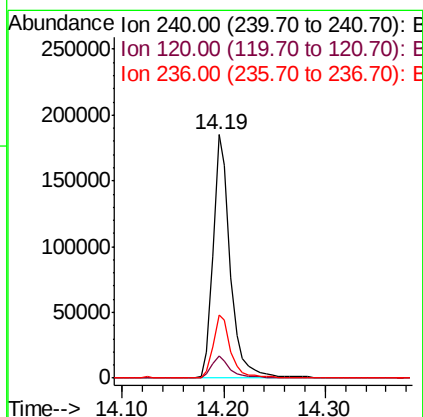
RT: 14.19 min Scan# 2016

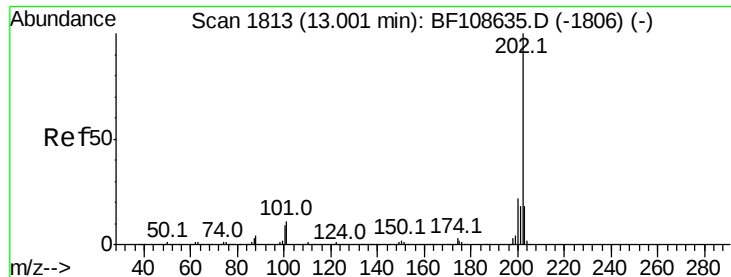
Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	218050		
120	9.3	9.5	14.3#	
236	25.9	20.7	31.1	





#77

Pvrene

Concen: 16.860 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Instrument :

BNA_F

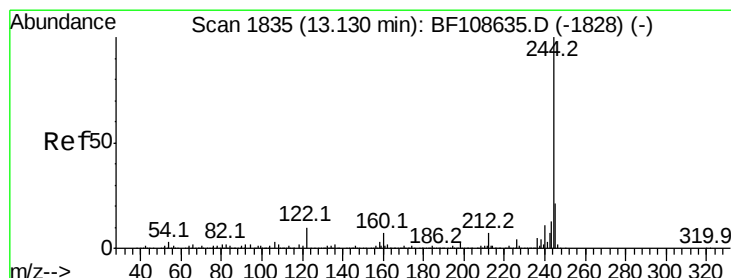
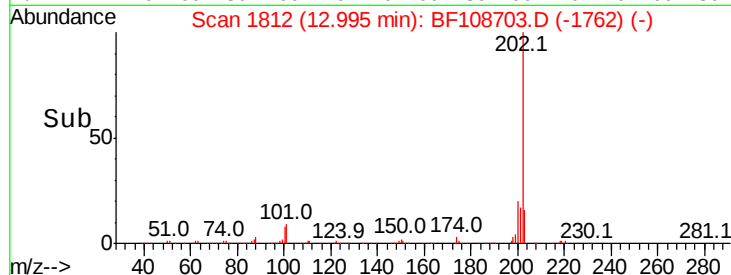
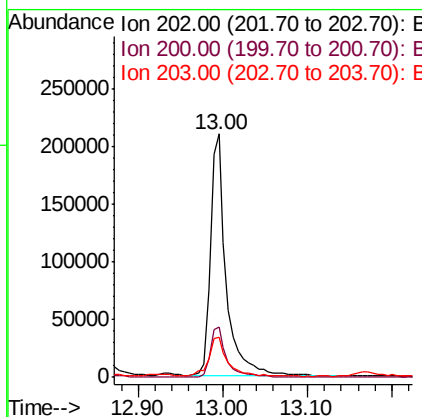
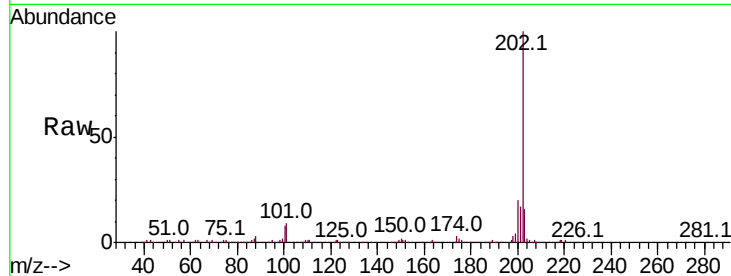
ClientSampled :

SB-04

Tot Ion:	202	Resp:	276363
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.4	26.2
203	16.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 9.751 ng

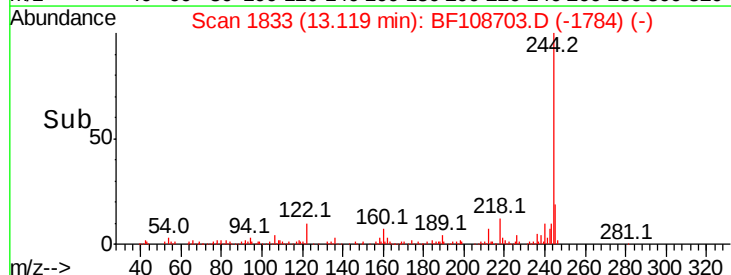
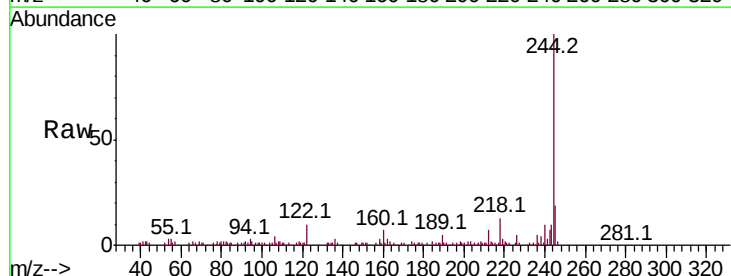
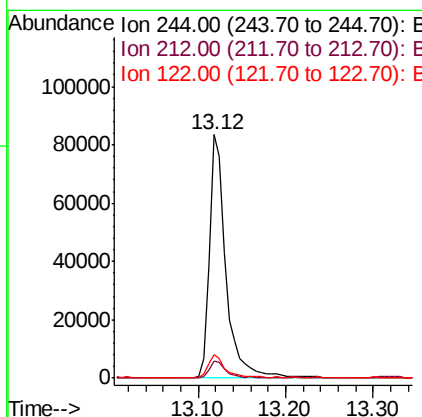
RT: 13.12 min Scan# 1833

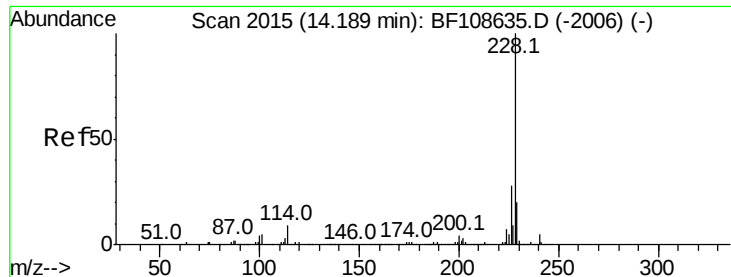
Delta R.T. -0.01 min

Lab File: BF108703.D

Acq: 31 Aug 2018 21:38

Tgt Ion:	244	Resp:	109431
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	9.8	11.0	16.4#





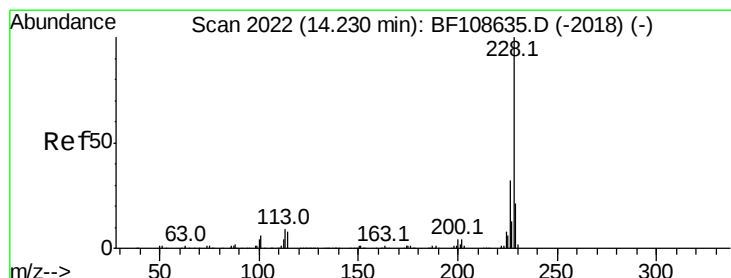
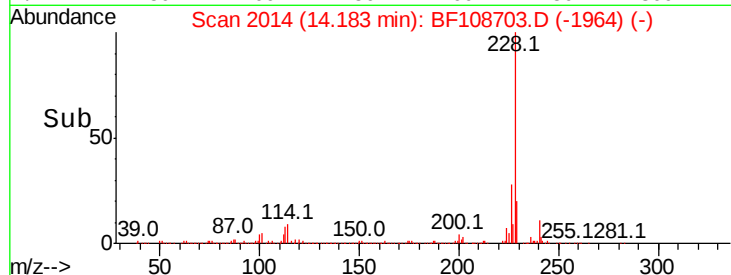
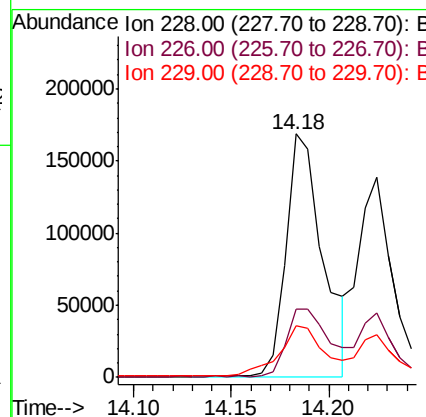
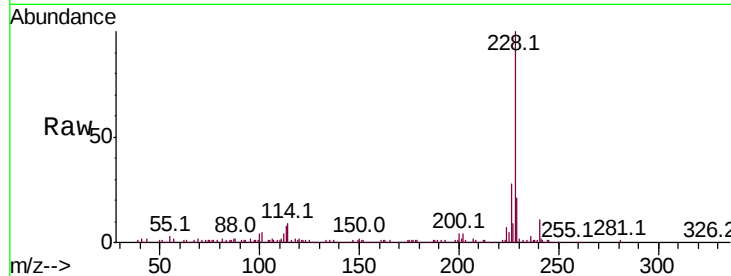
#80
Benzo(a)anthracene
Concen: 16.675 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-04

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.1	15.8	23.6

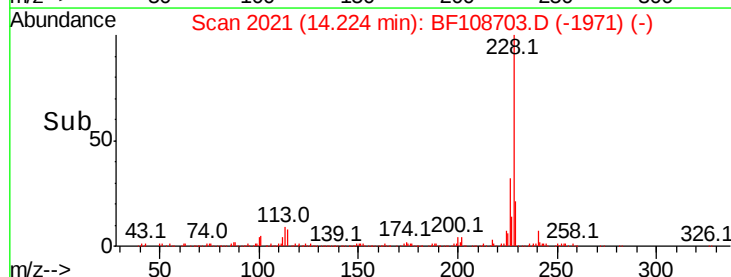
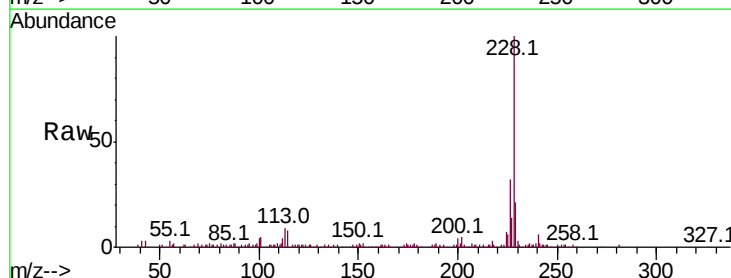
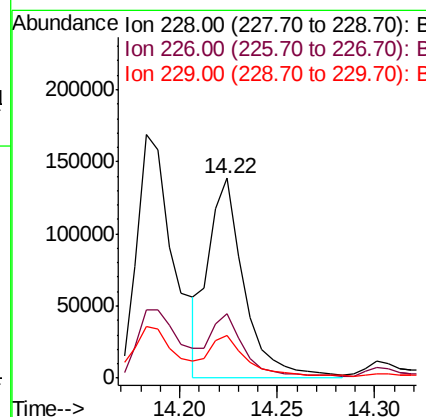
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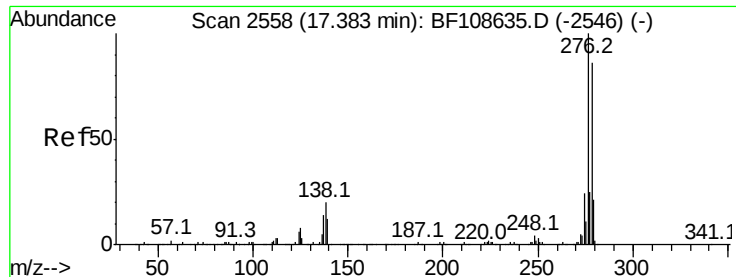
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#82
Chrysene
Concen: 13.722 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	21.5	16.2	24.4





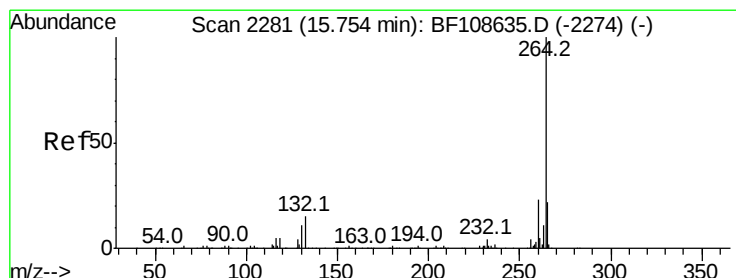
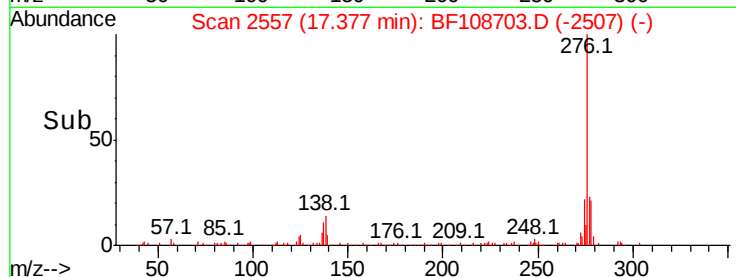
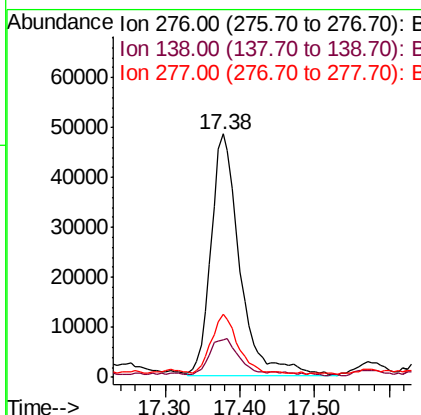
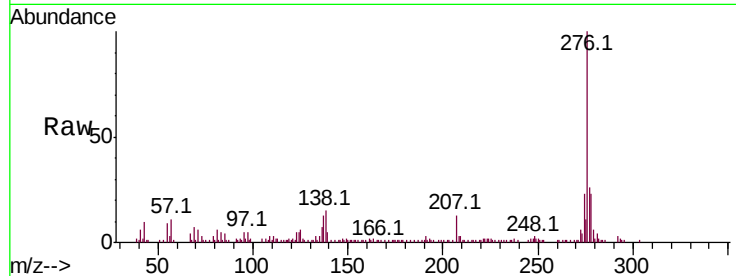
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.491 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.8	25.0	37.6#
277	22.0	20.1	30.1

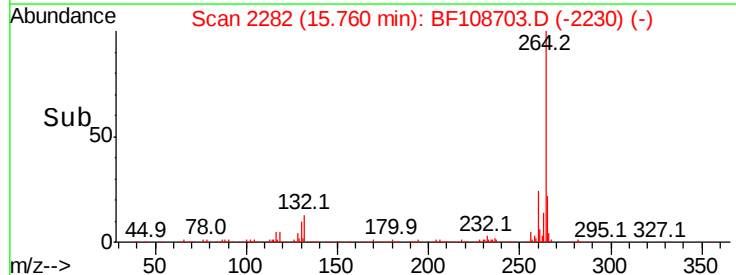
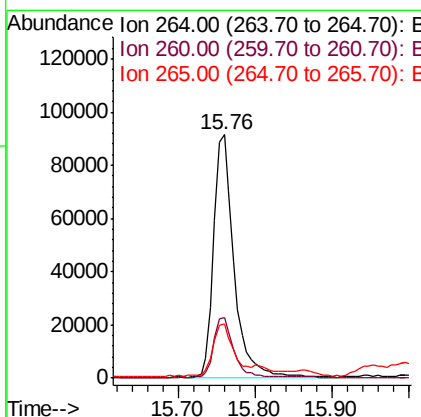
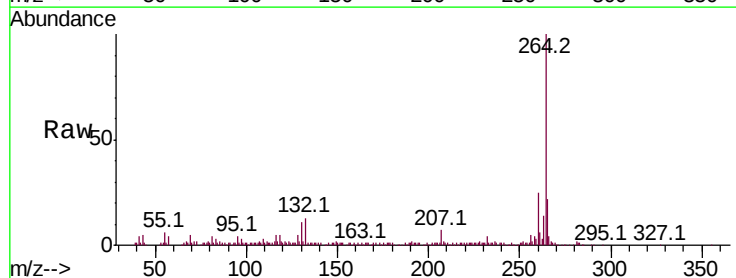
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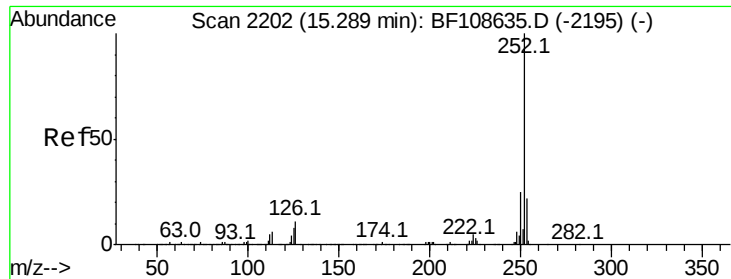
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.76 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.3	17.5	26.3





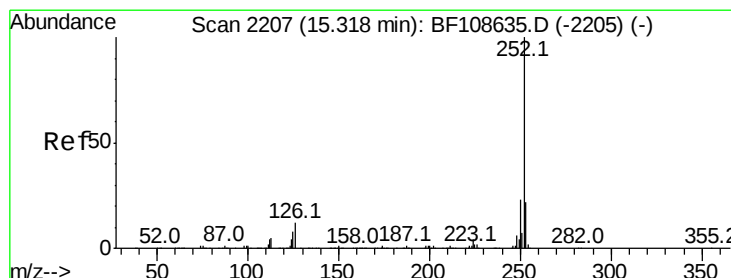
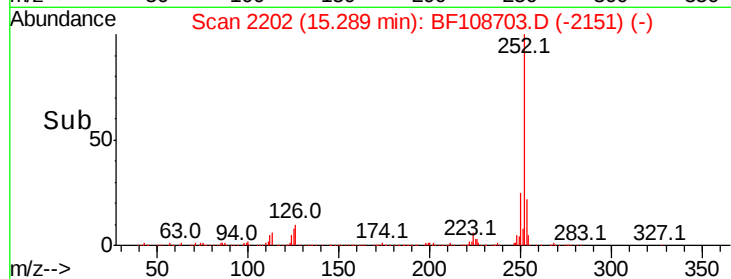
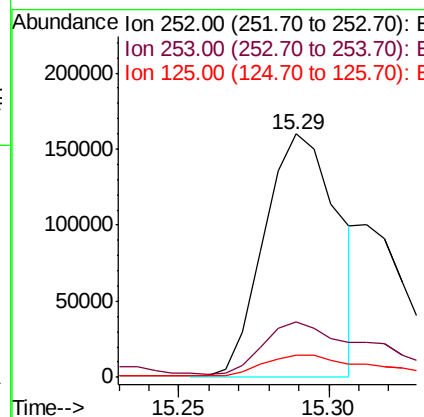
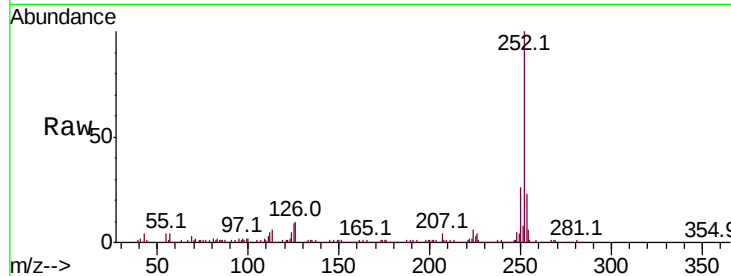
#87
Benzo(b)fluoranthene
Concen: 27.067 ng m
RT: 15.29 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	9.2	9.0	13.6

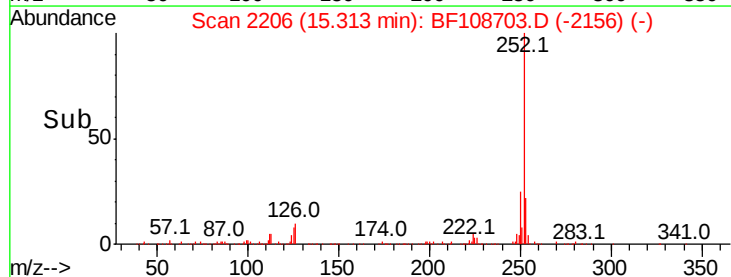
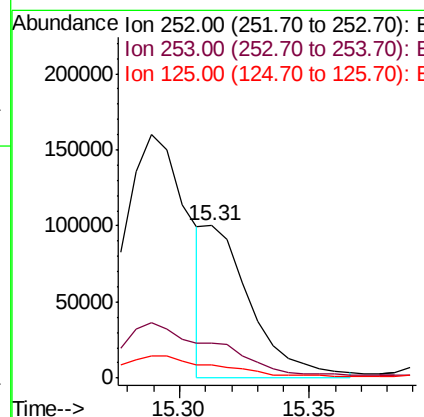
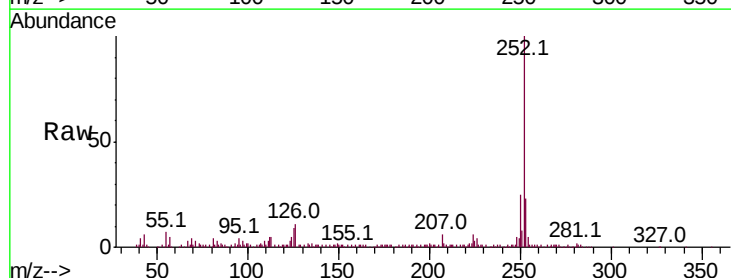
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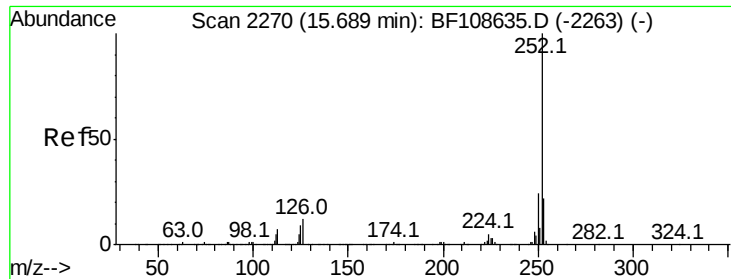
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#88
Benzo(k)fluoranthene
Concen: 12.183 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	8.9	10.2	15.2#





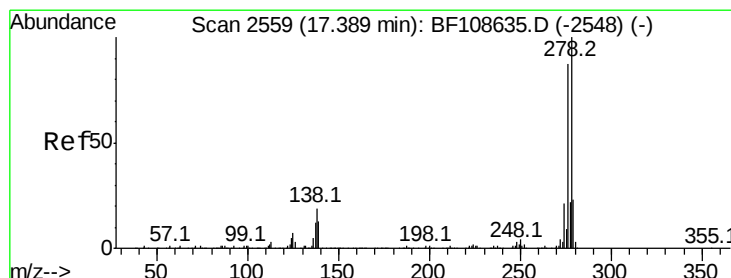
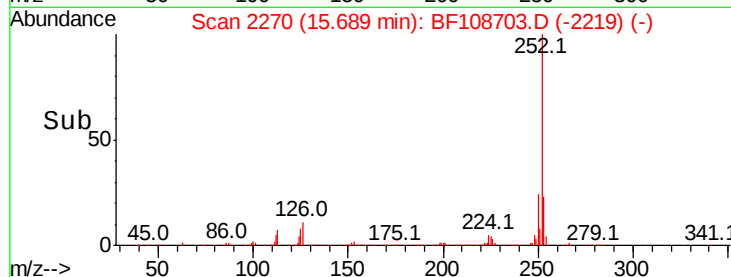
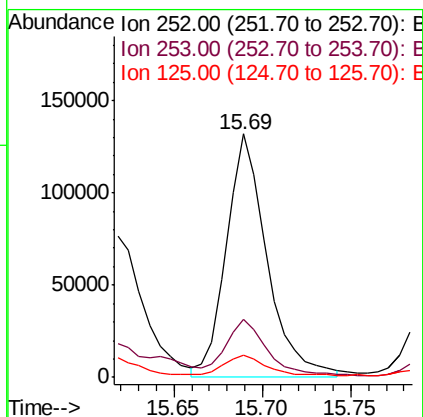
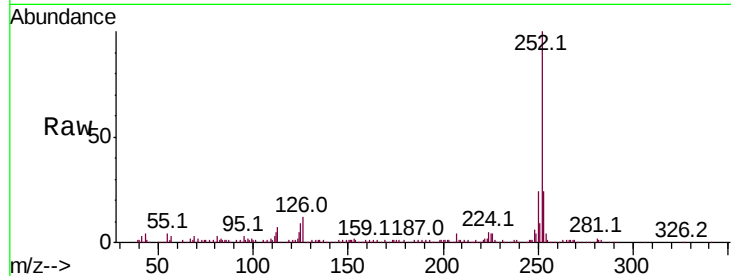
#89
Benzo(a)pyrene
Concen: 23.021 ng/mL
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Instrument :
BNA_F
ClientSampleId :
SB-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.1	9.8	14.6

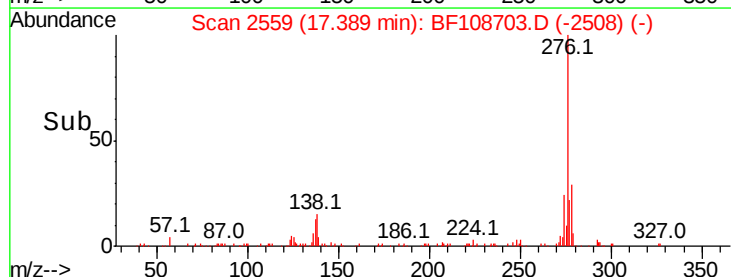
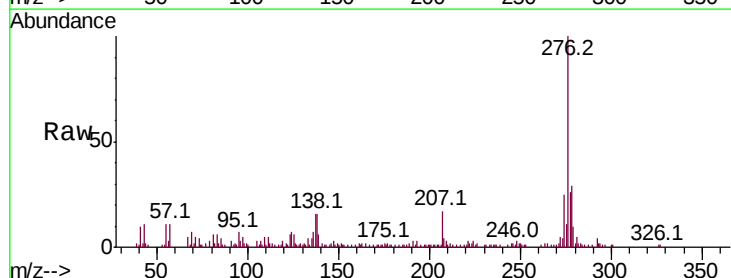
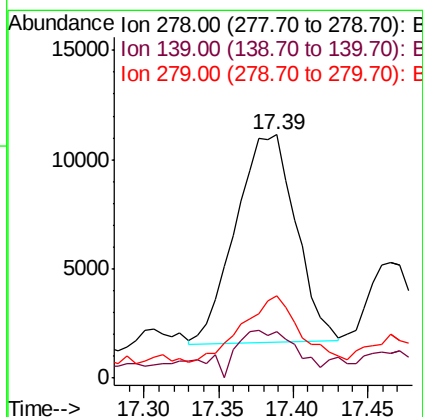
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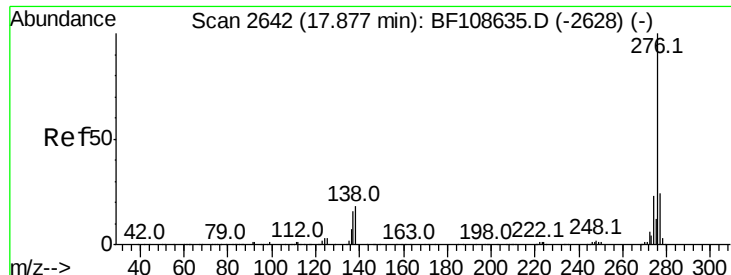
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.630 ng/mL
RT: 17.39 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BF108703.D
Acq: 31 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.9	23.9
279	33.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.739 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BF108703.D
 Acq: 31 Aug 2018 21:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Tot Ion:	276	Resp:	112119
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	16.1	21.8	32.8

Manual Integrations
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 9/4/2018 3:53:35 PM

