

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102668.D
 Acq On : 31 Jan 2018 21:25
 Operator : SJ/JU
 Sample : J1010-10 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-013018

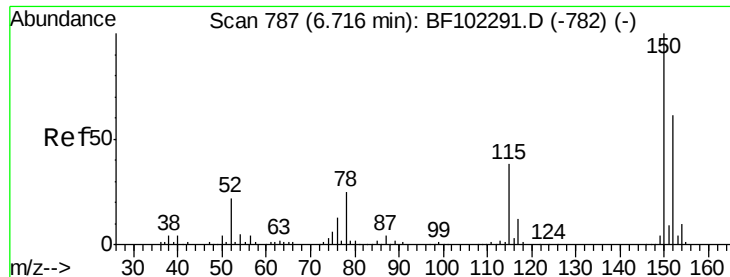
Manual Integrations
 APPROVED

Sohil
 2/1/2018 6:00:23 PM

Quant Time: Feb 01 10:21:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	155213	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	611672	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	228412	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	311310	20.00	ng	0.00
75) Chrysene-d12	13.86	240	298310	20.00	ng	0.00
86) Perylene-d12	15.29	264	220258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	599091	58.52	ng	0.00
7) Phenol-d6	6.35	99	707384	57.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	413450	38.84	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	97847	43.23	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	660732	42.53	ng	0.00
78) Terphenyl-d14	12.80	244	450531	34.05	ng	0.00
Target Compounds						
10) Phenol	6.36	94	30549	2.267	ng	Qvalue # 71
37) 2-Methylnaphthalene	8.70	142	82386	4.051	ng	99
49) Dimethylphthalate	9.46	163	106808	5.657	ng	99
51) Acenaphthene	9.77	154	55796	3.863	ng	99
54) Dibenzofuran	9.95	168	74466	3.809	ng	97
57) Fluorene	10.29	166	51957	3.354	ng	99
70) Phenanthrene	11.25	178	246287	13.576	ng	99
71) Anthracene	11.30	178	83174	4.492	ng	98
74) Fluoranthene	12.44	202	228323	12.342	ng	99
77) Pyrene	12.67	202	197215	8.551	ng	98
80) Benzo(a)anthracene	13.85	228	108411	5.903	ng	97
82) Chrysene	13.89	228	98144m	5.262	ng	
87) Benzo(b)fluoranthene	14.89	252	102175m	7.157	ng	
88) Benzo(k)fluoranthene	14.91	252	27441m	2.035	ng	
89) Benzo(a)pyrene	15.23	252	61735	4.795	ng	# 90
91) Benzo(g,h,i)perylene	17.12	276	27417	2.662	ng	# 91

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



#1

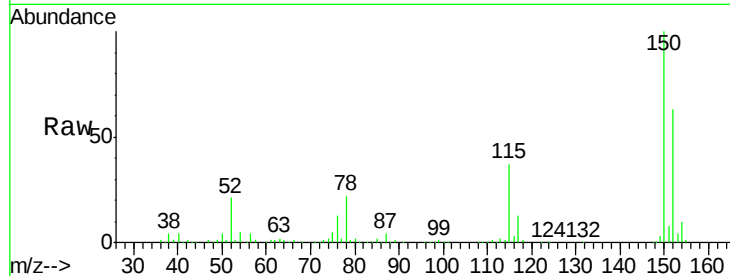
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	59.5	50.1	75.1

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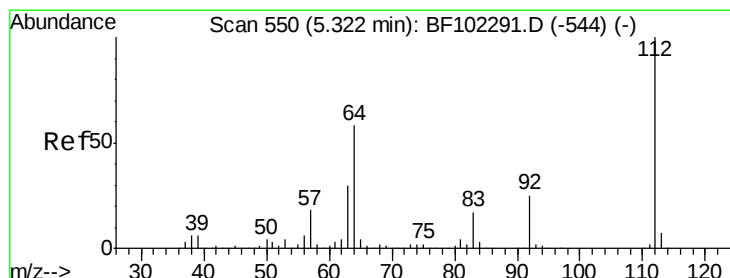
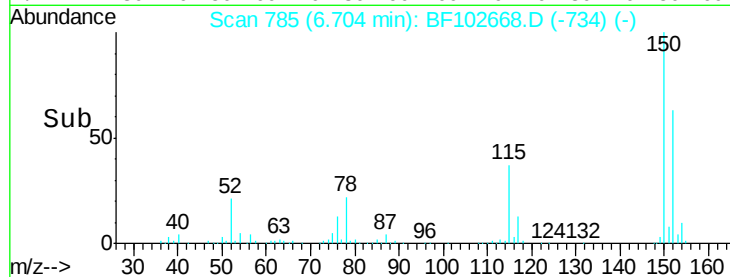
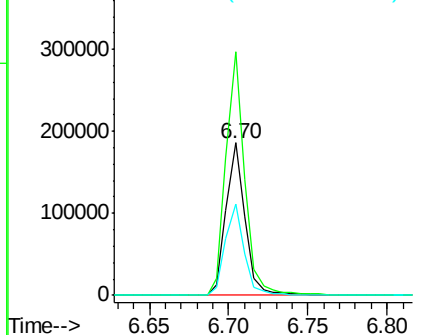


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

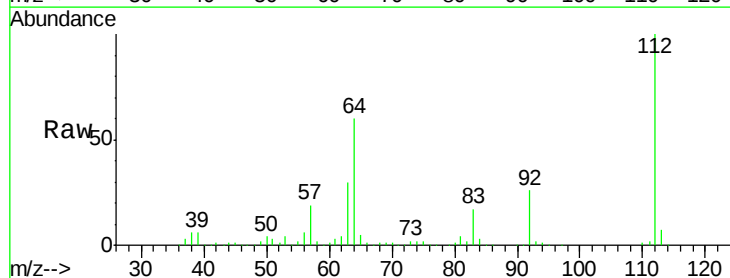
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.525 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	30.3	23.7	35.5

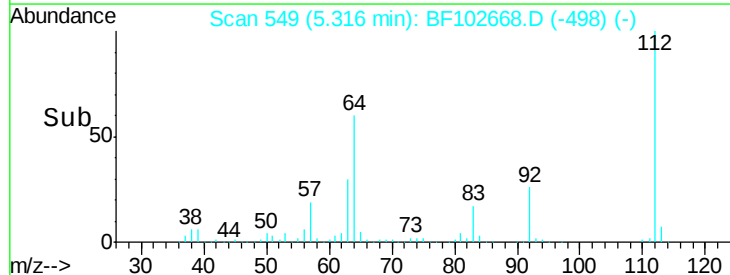
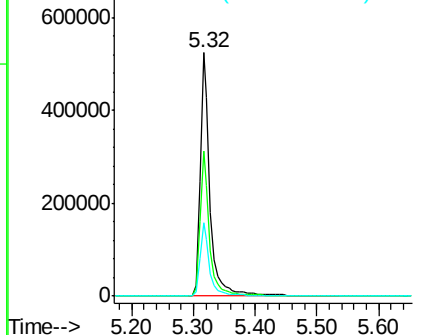


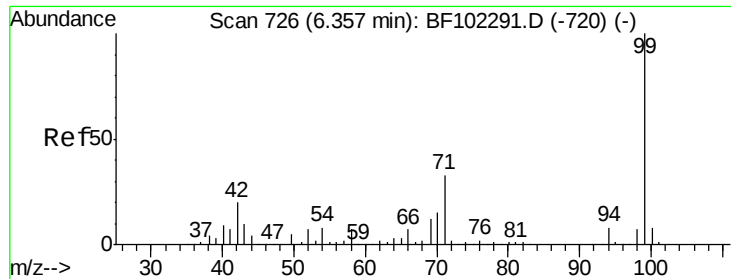
Abundance

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: 57.319 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Instrument :

BNA_F

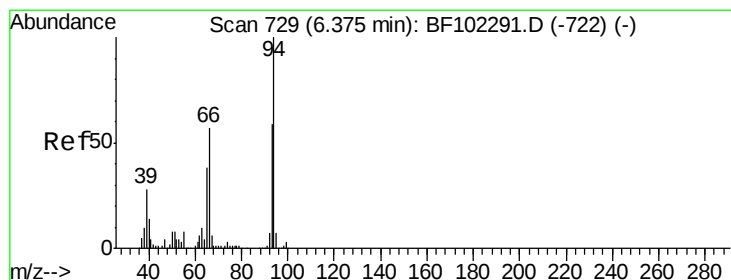
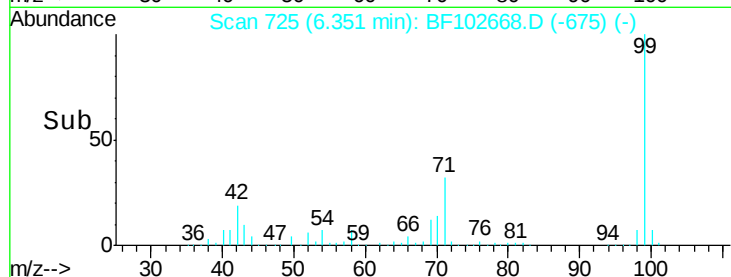
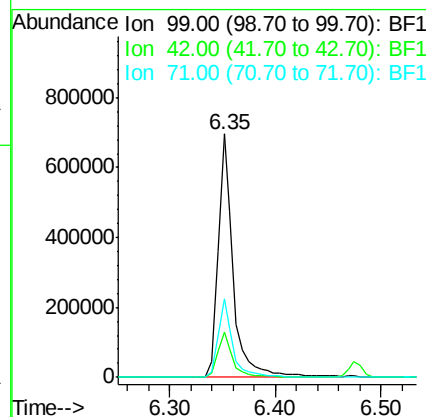
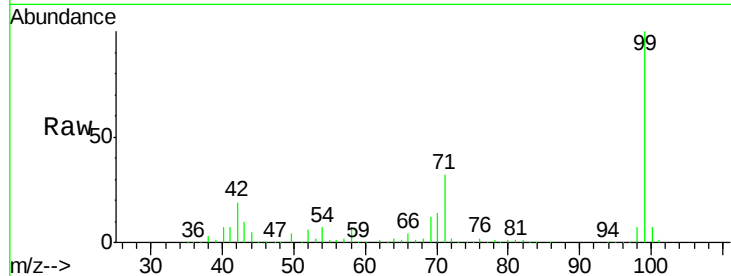
ClientSampleId :

BU-02-013018

Tot Ion:	99	Resp:	707384
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.4	25.4	38.0

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#10

Phenol

Concen: 2.267 ng

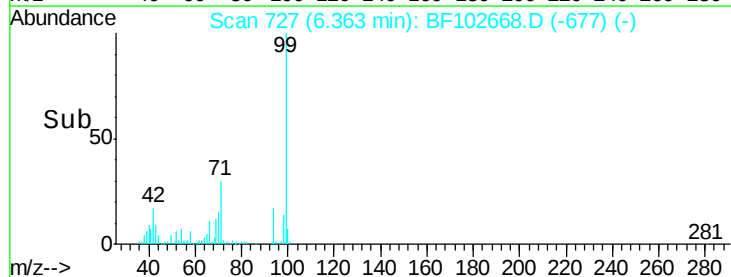
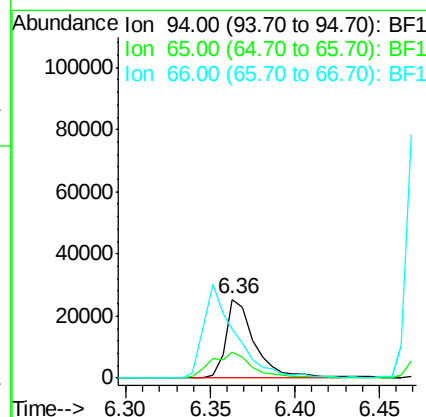
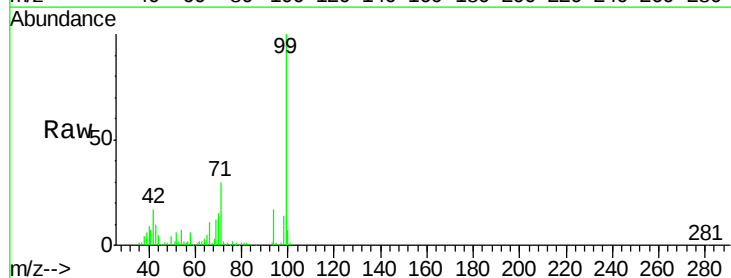
RT: 6.36 min Scan# 727

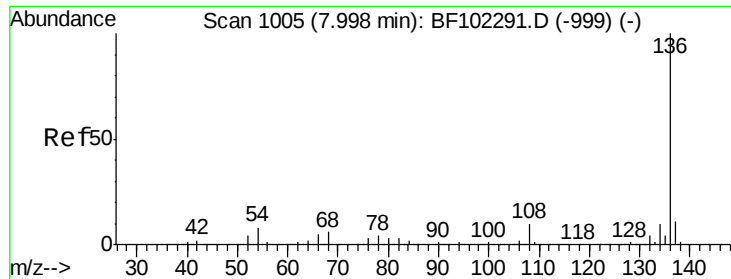
Delta R.T. -0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Tgt Ion:	94	Resp:	30549
Ion Ratio	Lower	Upper	
94	100		
65	32.3	7.9	47.9
66	62.5	16.2	56.2#





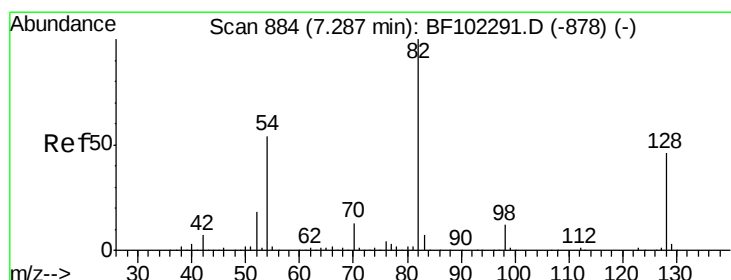
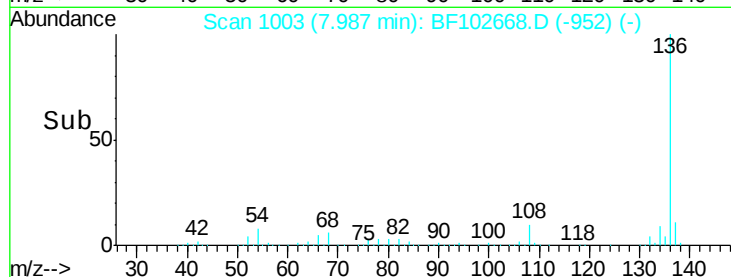
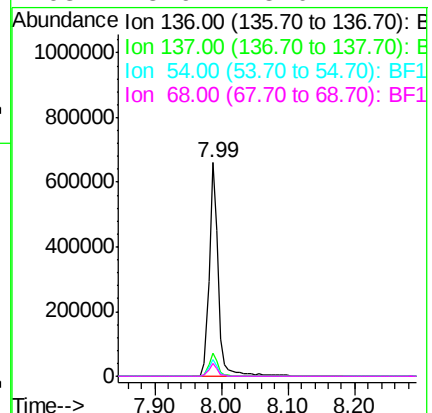
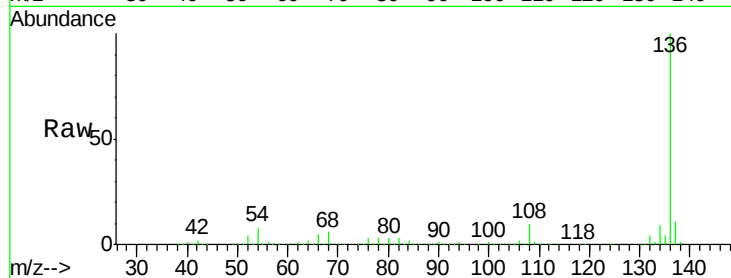
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.0	6.6	9.8
68	5.9	5.0	7.4

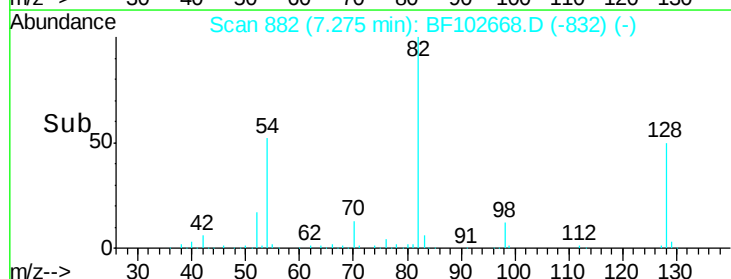
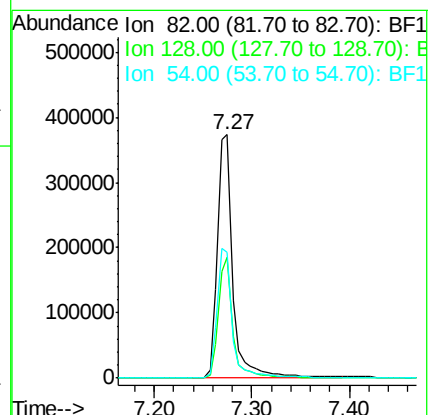
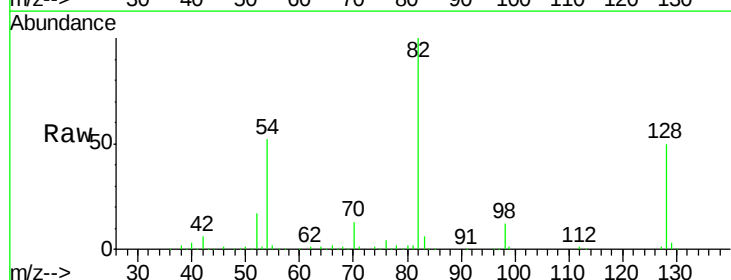
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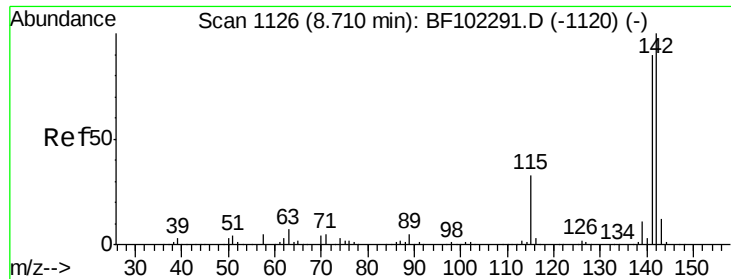
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#23
Nitrobenzene-d5
Concen: 38.844 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	51.9	41.4	62.2





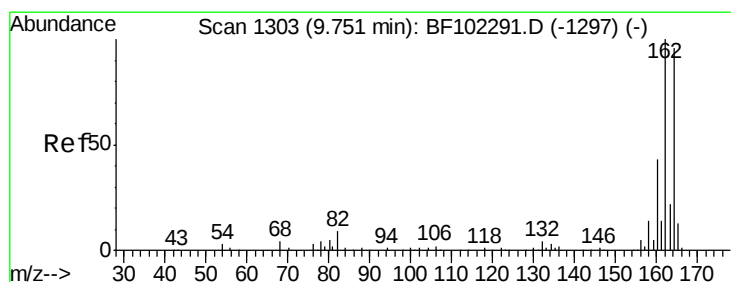
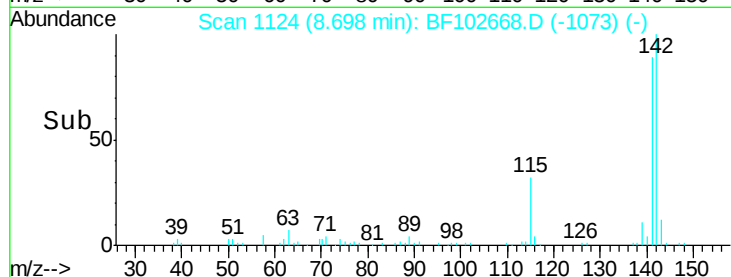
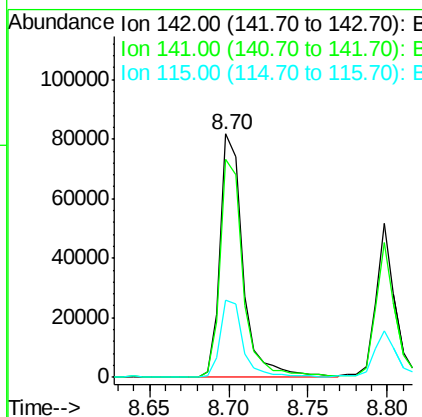
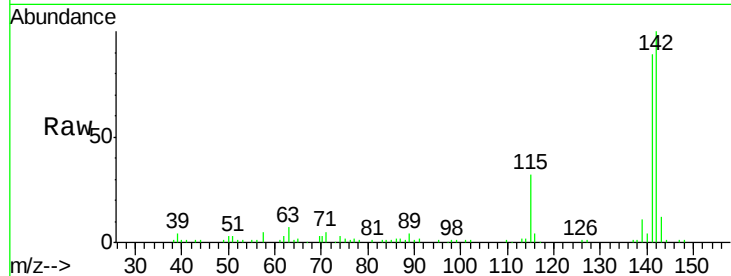
#37
2-Methylnaphthalene
Concen: 4.051 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampled :
BU-02-013018

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	31.9	26.1	39.1

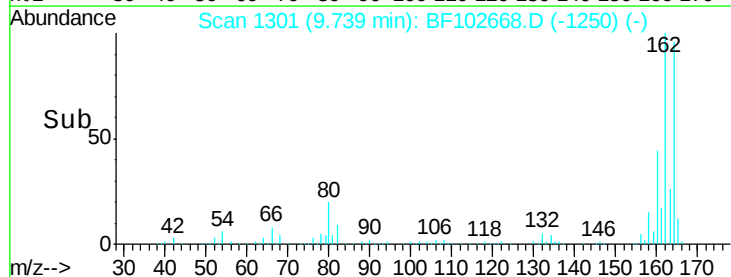
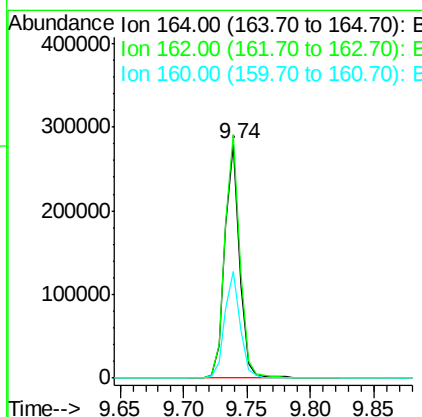
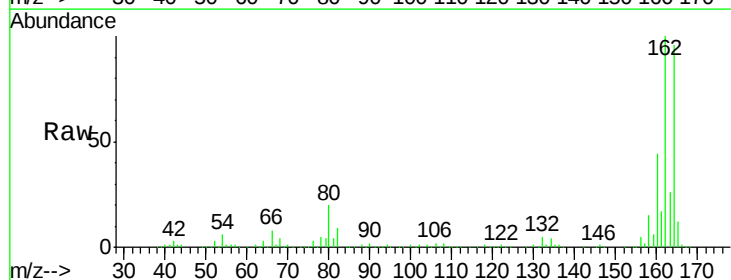
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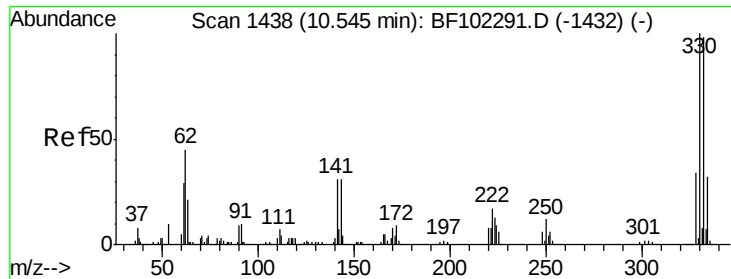
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2/1/2018 6:00:23 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 43.233 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Instrument :

BNA_F

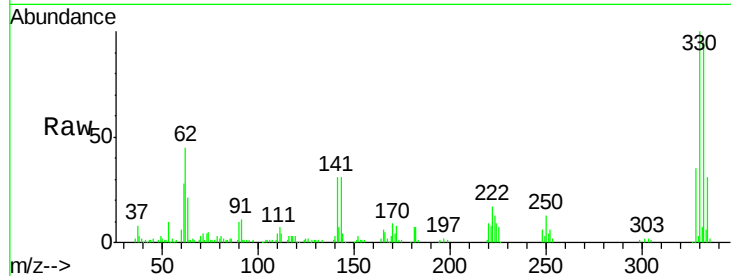
ClientSampled :

BU-02-013018

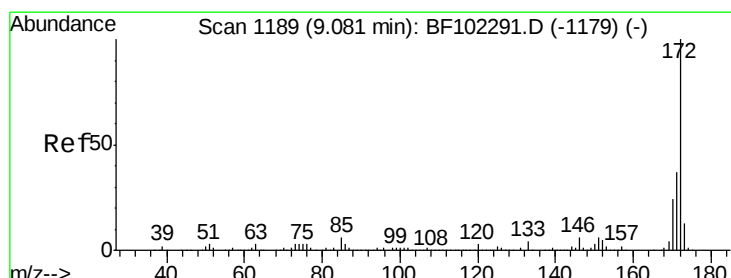
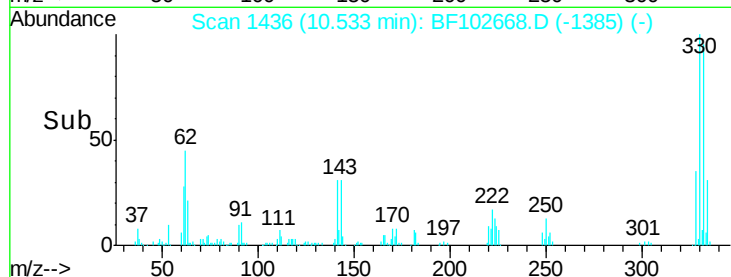
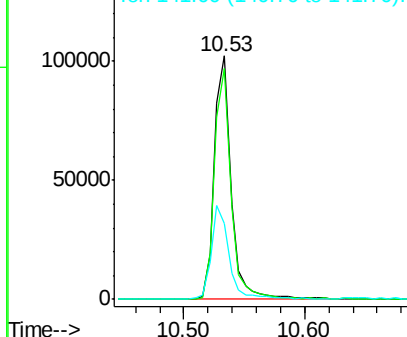
Tot Ion:	330	Resp:	97847
Ion Ratio	Lower	Upper	
330	100		
332	94.2	77.0	115.6
141	41.5	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 42.533 ng

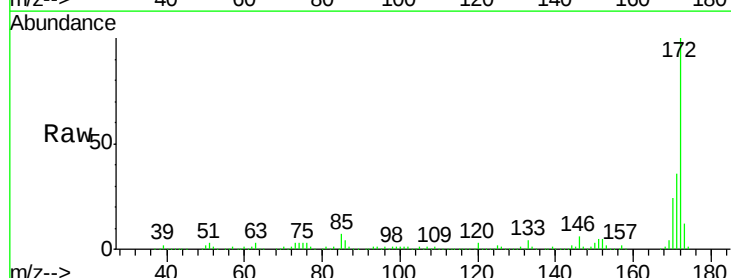
RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

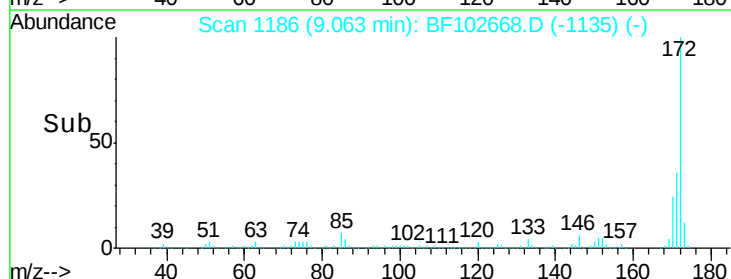
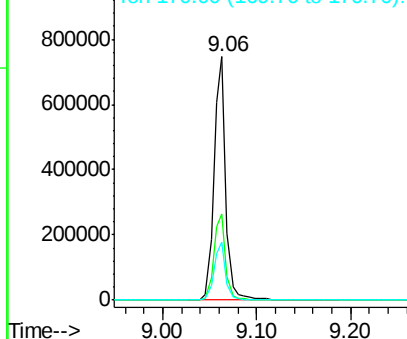
Lab File: BF102668.D

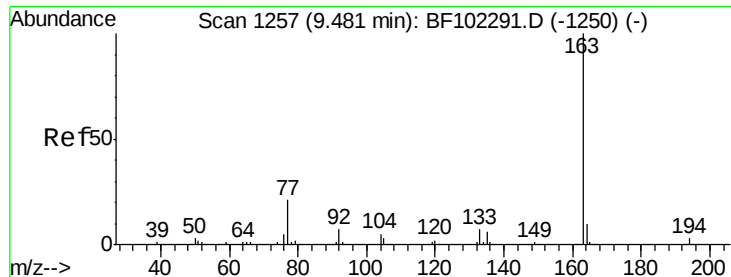
Acq: 31 Jan 2018 21:25

Tgt Ion:	172	Resp:	660732
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.7	44.5
170	23.6	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





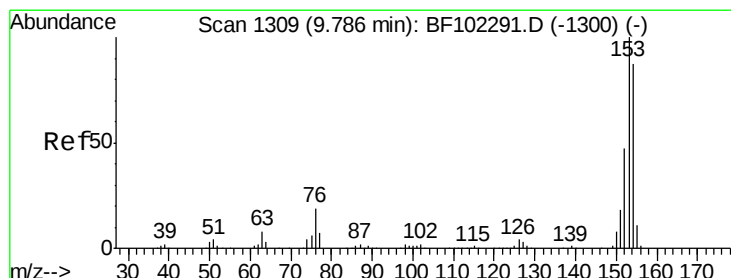
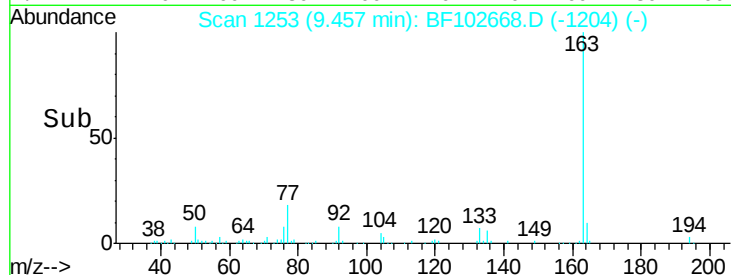
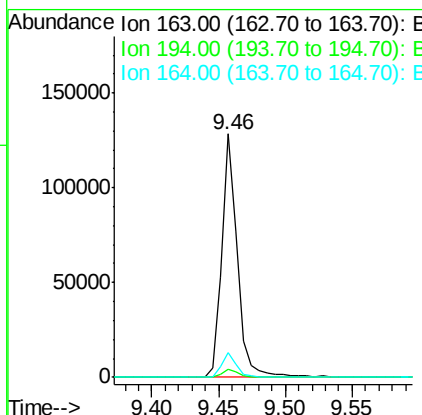
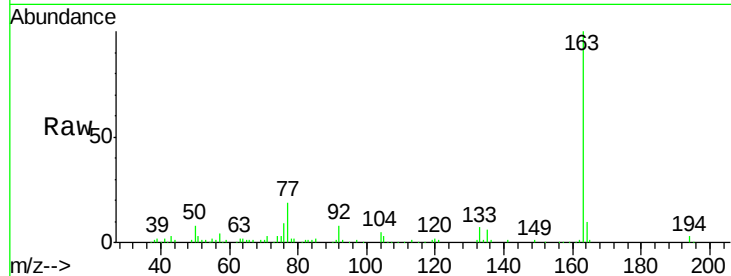
#49
Dimethylphthalate
Concen: 5.657 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.2		2.7	4.1	
164	9.9		8.2	12.2	

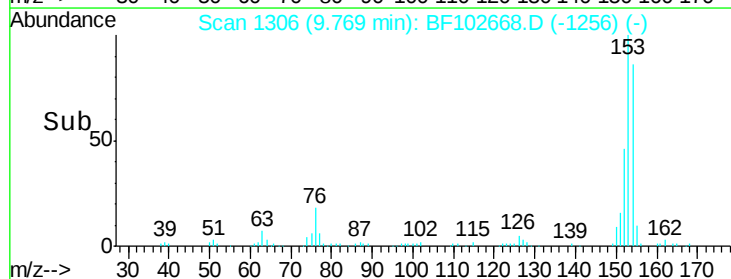
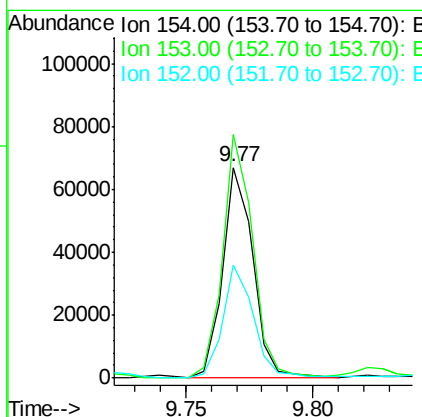
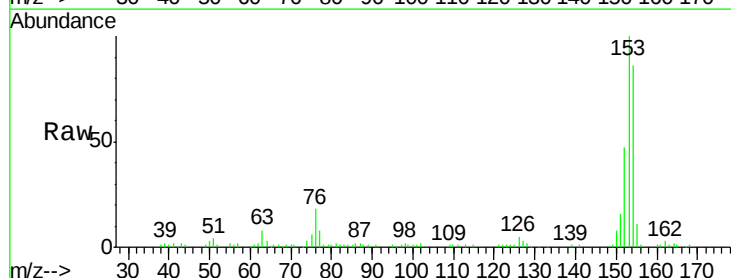
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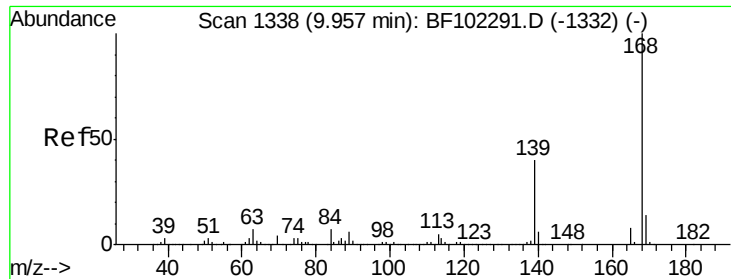
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#51
Acenaphthene
Concen: 3.863 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	115.8		91.2	136.8	
152	54.0		43.8	65.8	





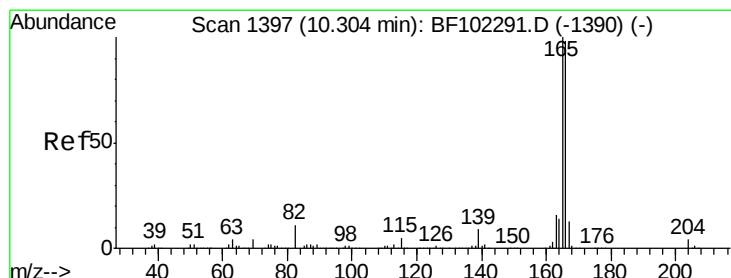
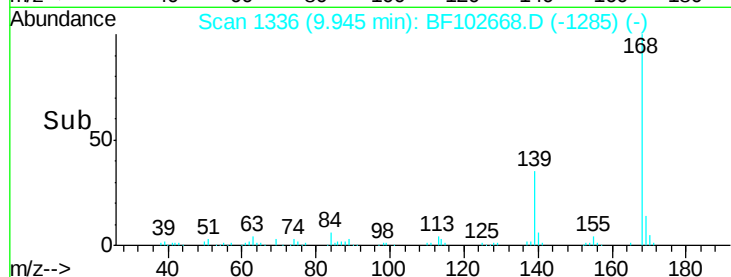
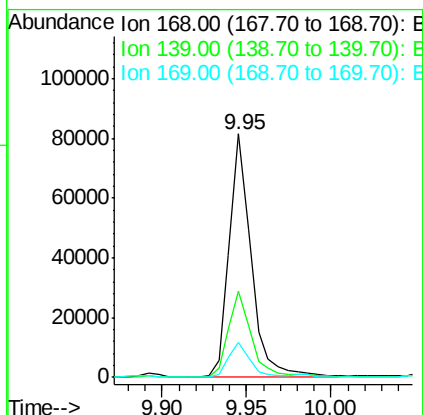
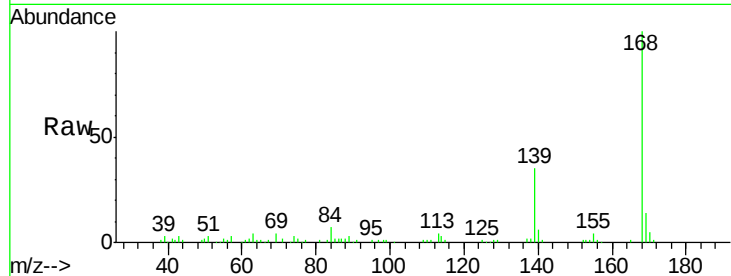
#54
Dibenzofuran
Concen: 3.809 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampled :
BU-02-013018

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.4	30.1	45.1
169	14.4	10.9	16.3

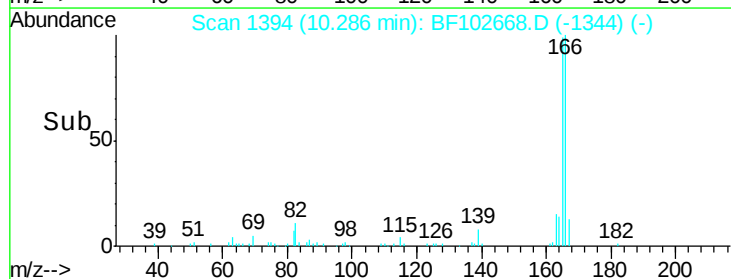
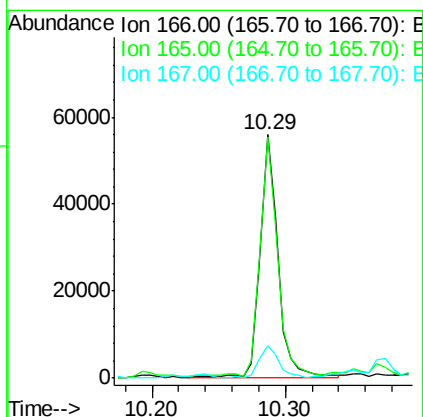
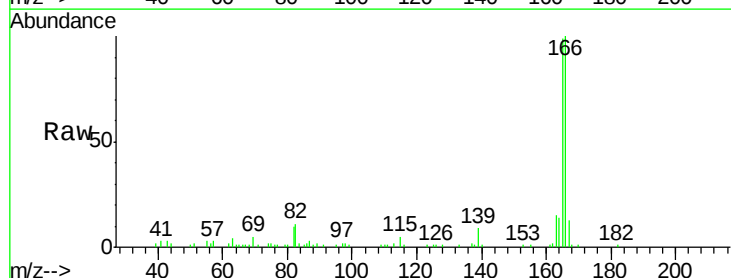
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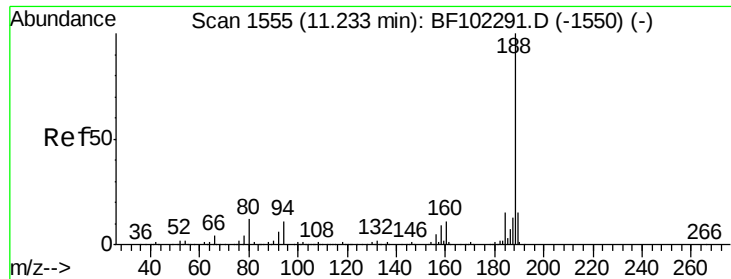
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#57
Fluorene
Concen: 3.354 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.2	10.6	16.0





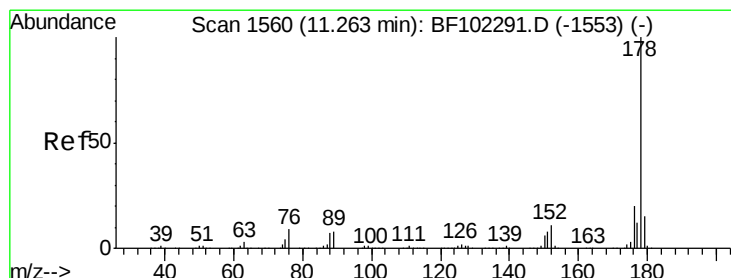
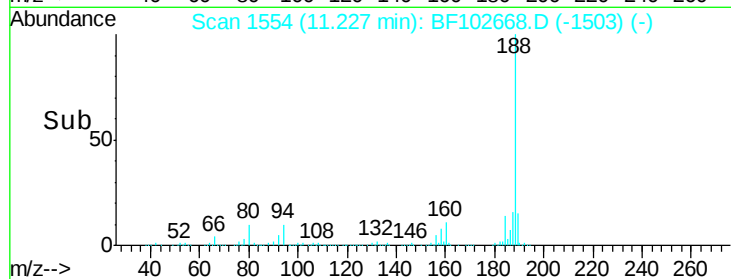
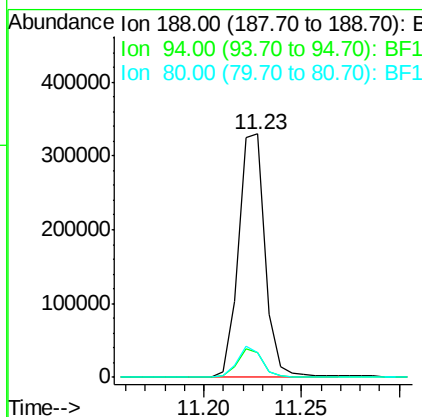
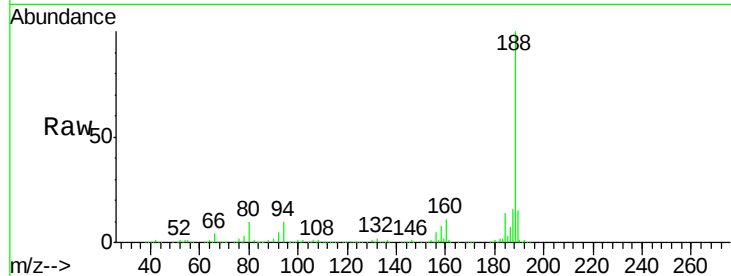
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

Tot Ion	Ratio	Resp	Lower	Upper
188	100	311310		
94	10.1		8.5	12.7
80	10.2		9.2	13.8

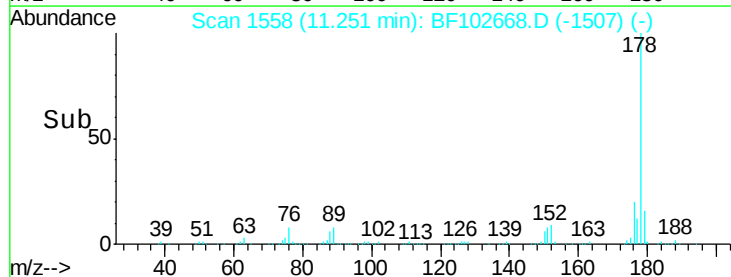
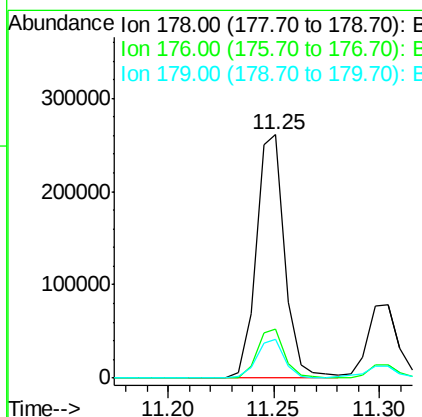
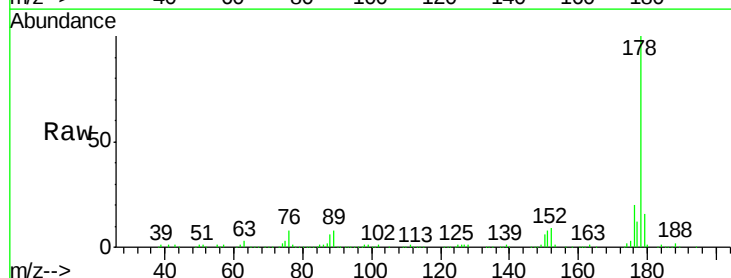
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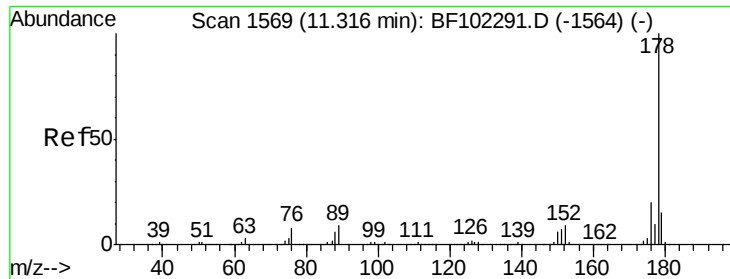
Sohil
2/1/2018 6:00:23 PM



#70
Phenanthrene
Concen: 13.576 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	246287		
176	20.0		15.8	23.8
179	15.9		13.0	19.6





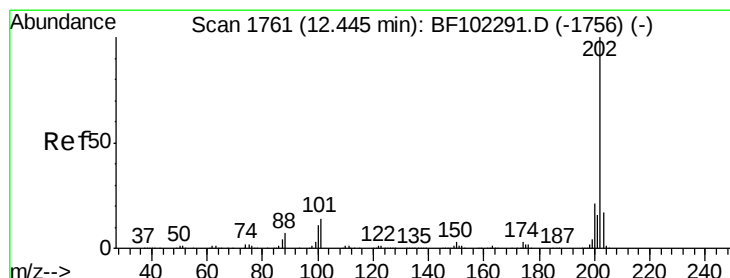
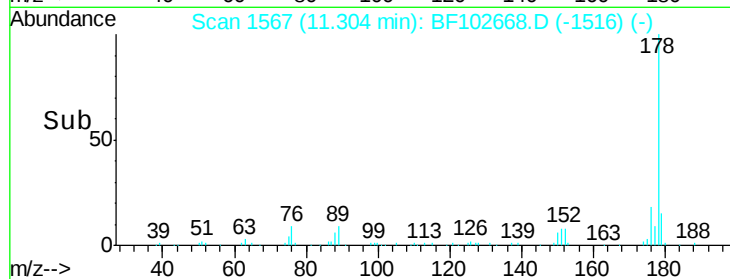
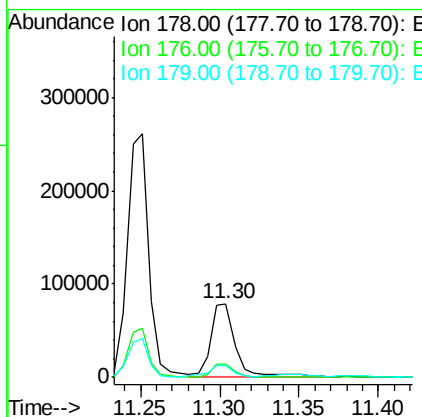
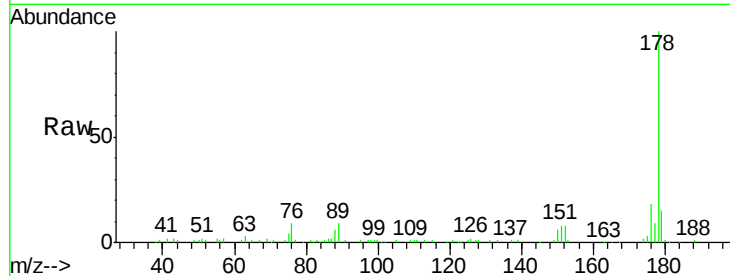
#71
 Anthracene
 Concen: 4.492 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF102668.D
 Acq: 31 Jan 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-013018

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.6	19.0

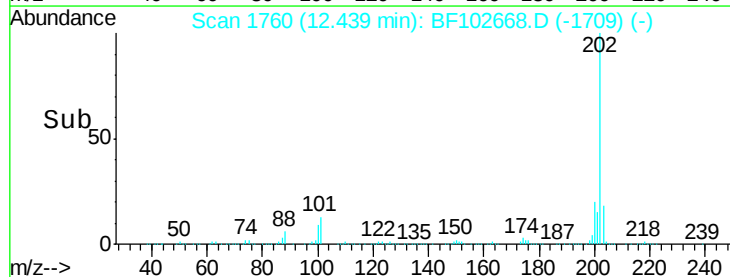
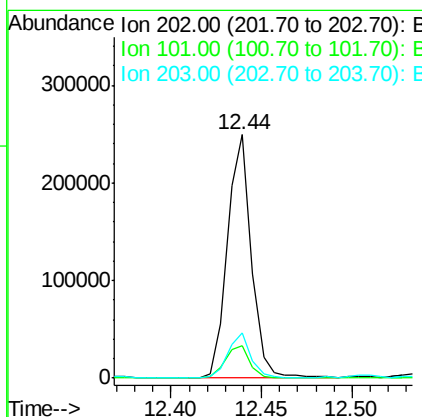
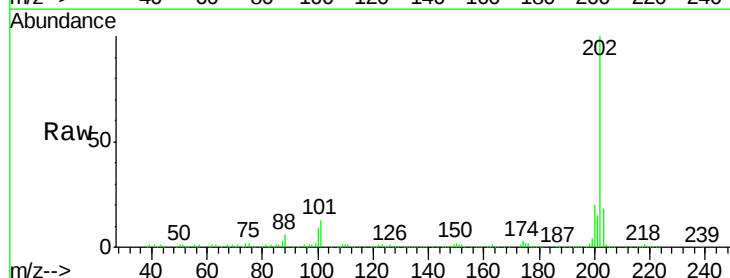
Manual Integrations
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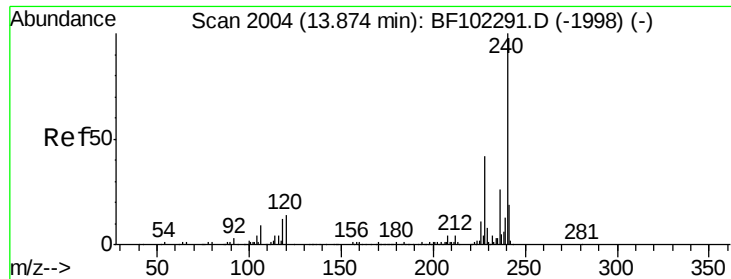
Sohil
 2/1/2018 6:00:23 PM



#74
 Fluoranthene
 Concen: 12.342 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: BF102668.D
 Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Instrument :

BNA_F

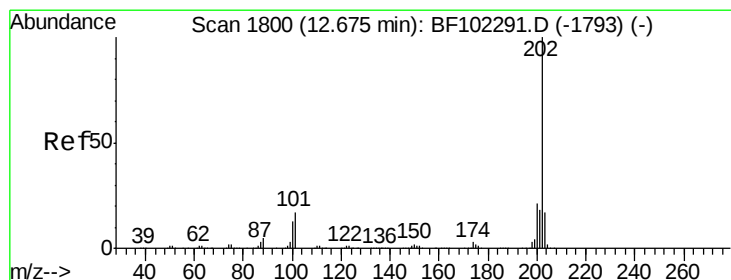
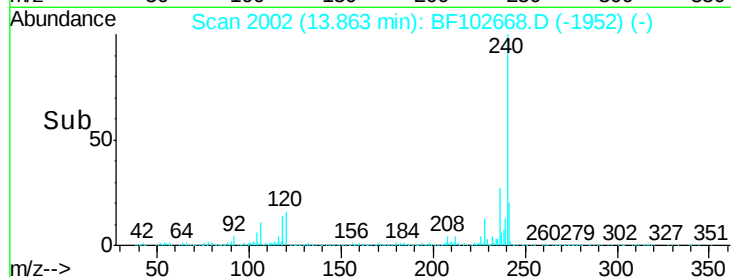
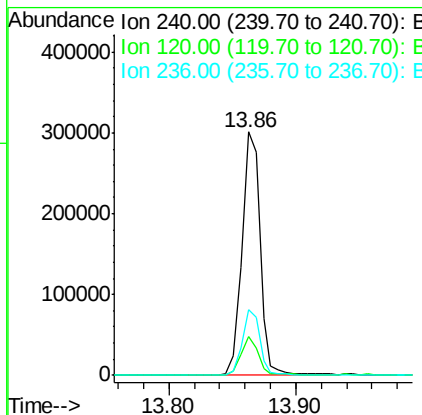
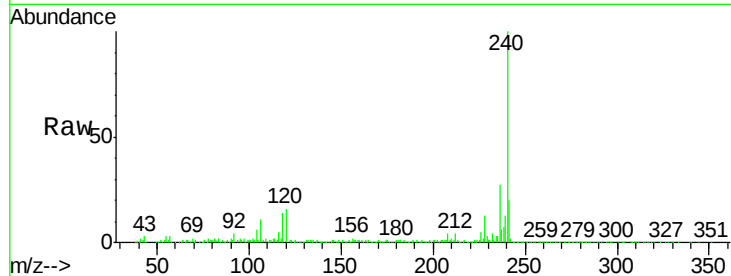
ClientSampleId :

BU-02-013018

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	26.8	20.7	31.1

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#77

Pyrene

Concen: 8.551 ng

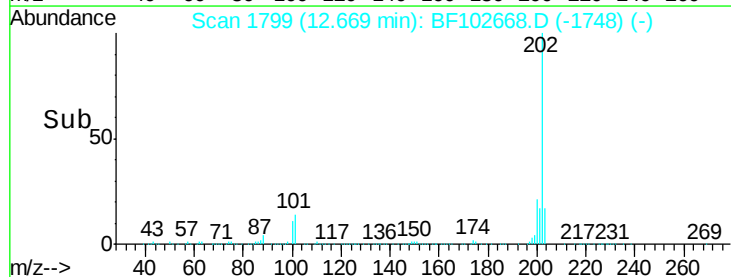
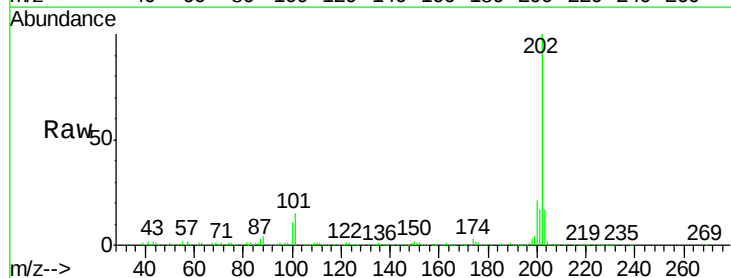
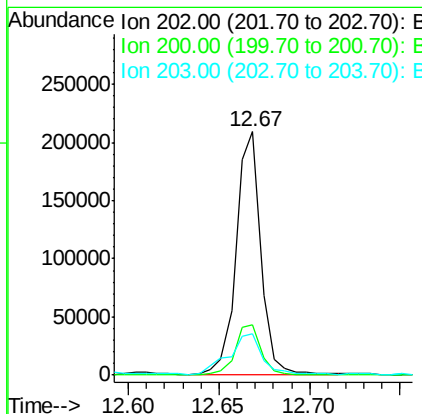
RT: 12.67 min Scan# 1799

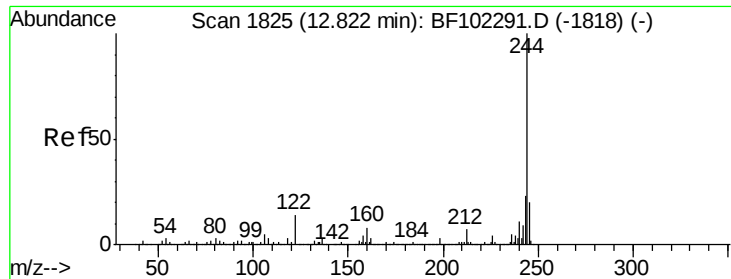
Delta R.T. 0.00 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 34.047 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Instrument :

BNA_F

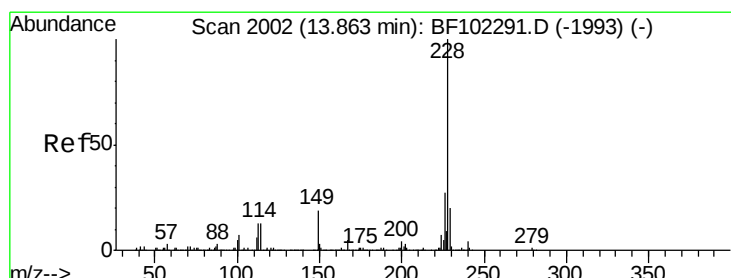
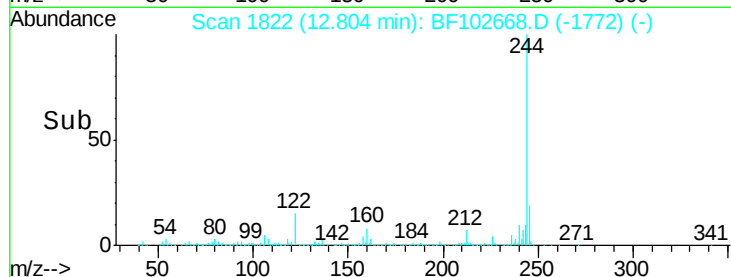
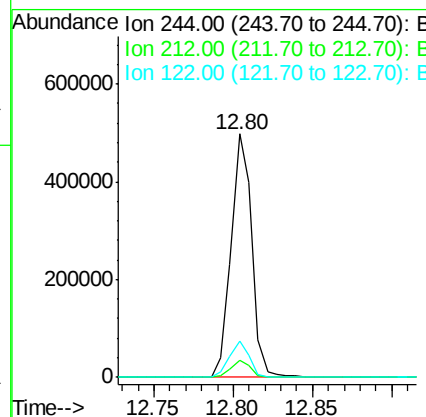
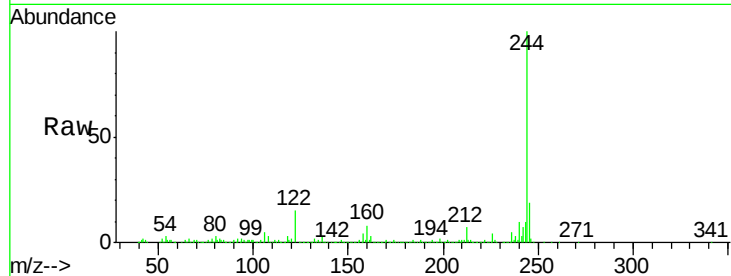
ClientSampleId :

BU-02-013018

Tot Ion:	244	Resp:	450531
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 5.903 ng

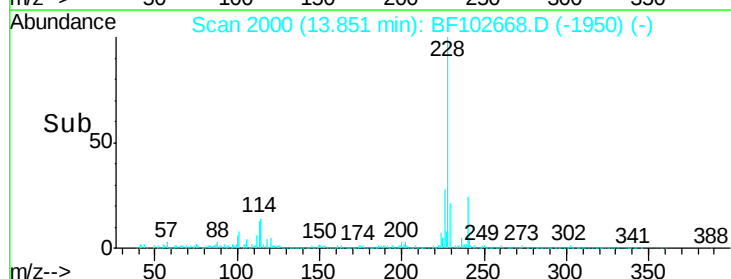
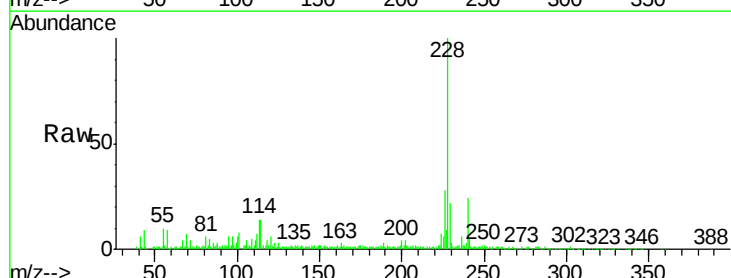
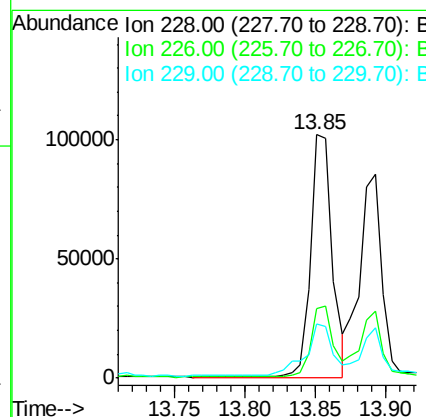
RT: 13.85 min Scan# 2000

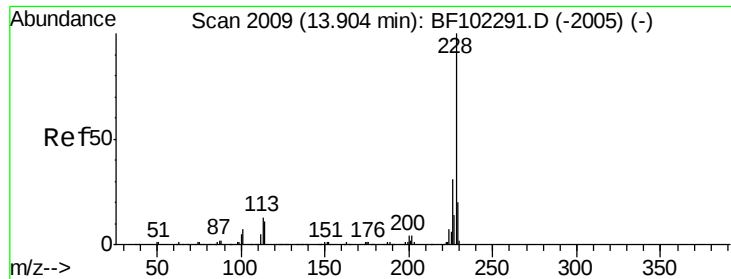
Delta R.T. -0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Tgt Ion:	228	Resp:	108411
Ion Ratio		Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.2	15.8	23.6





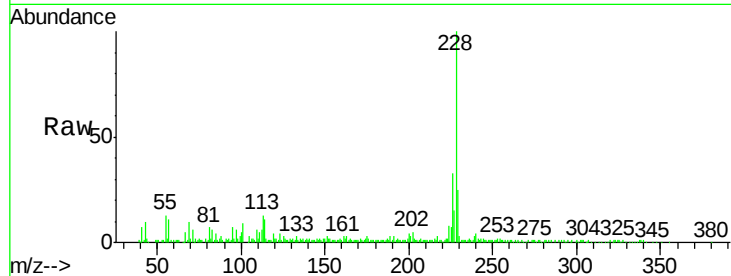
#82
Chrysene
Concen: 5.262 ng/ml
RT: 13.89 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

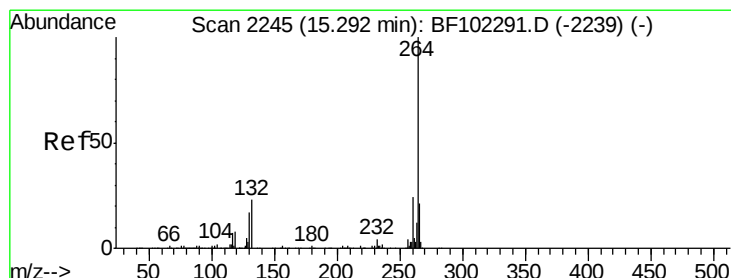
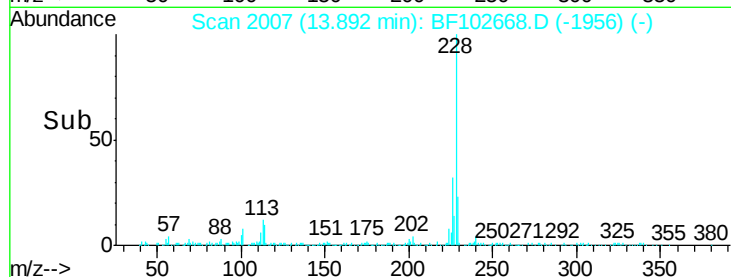
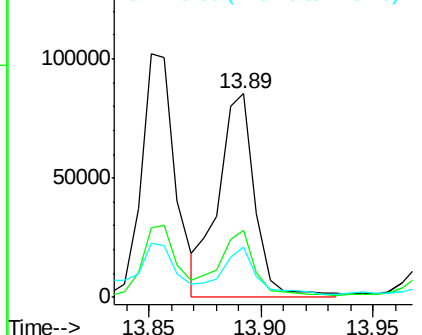
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.0	37.6
229	24.6	16.2	24.4

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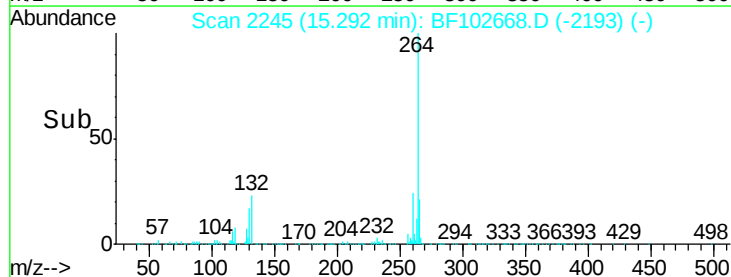
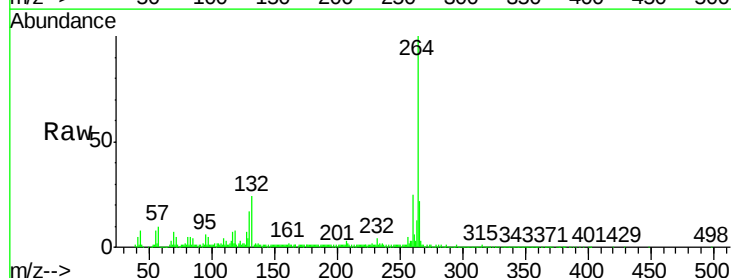
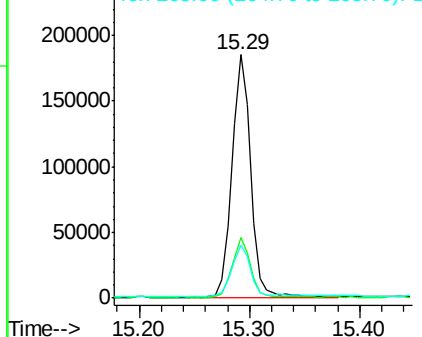
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

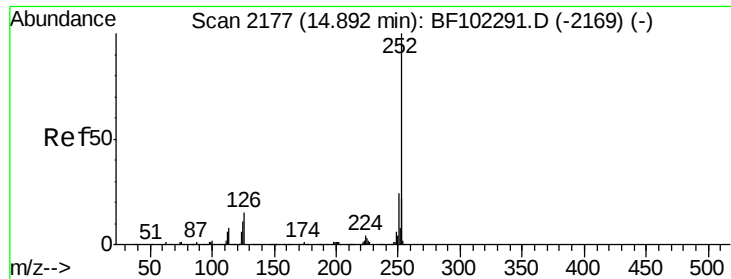


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.5	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: 7.157 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Instrument :

BNA_F

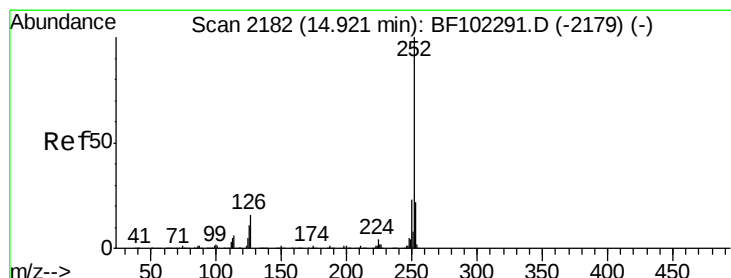
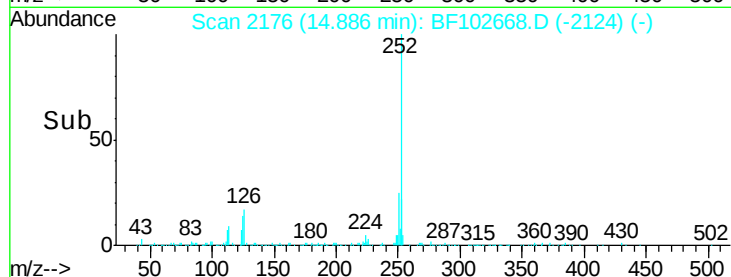
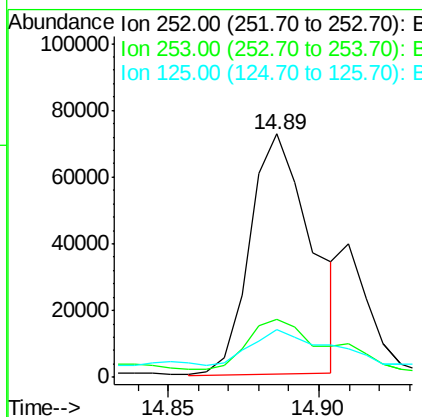
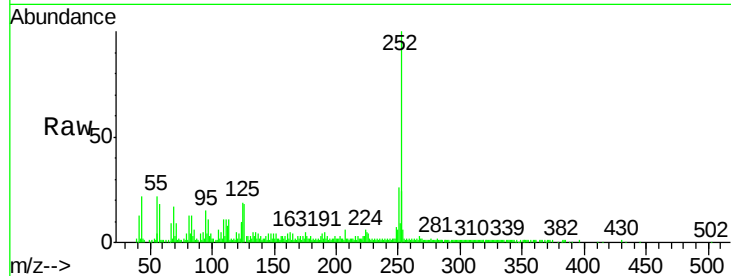
ClientSampleId :

BU-02-013018

Tot Ion:	252	Resp:	102175
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	19.5	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.035 ng m

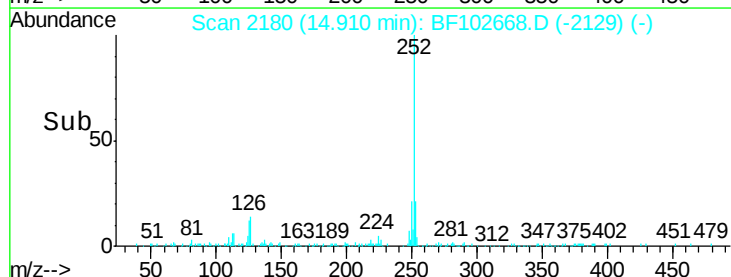
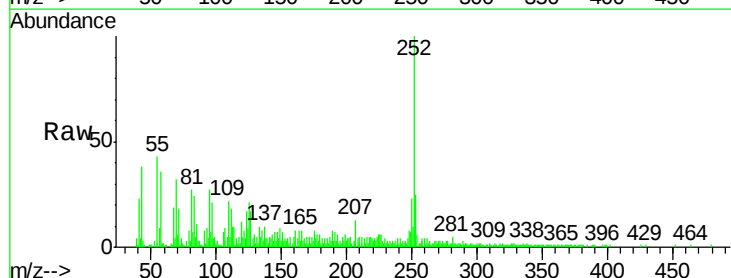
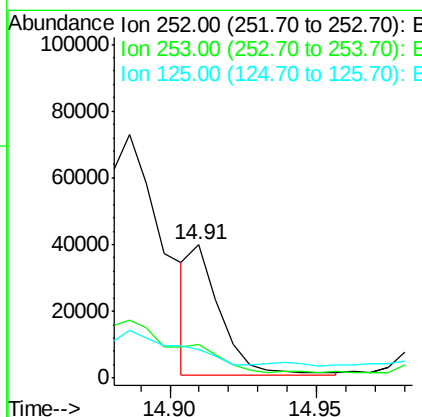
RT: 14.91 min Scan# 2180

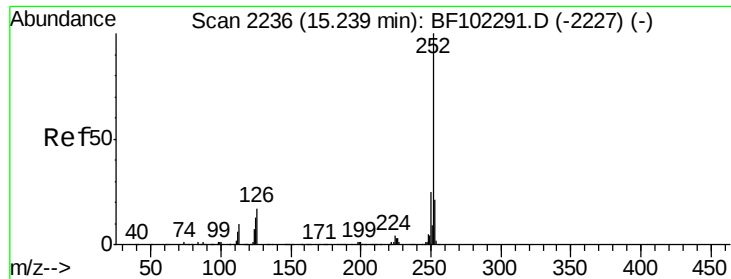
Delta R.T. 0.00 min

Lab File: BF102668.D

Acq: 31 Jan 2018 21:25

Tgt Ion:	252	Resp:	27441
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	21.4	10.2	15.2#





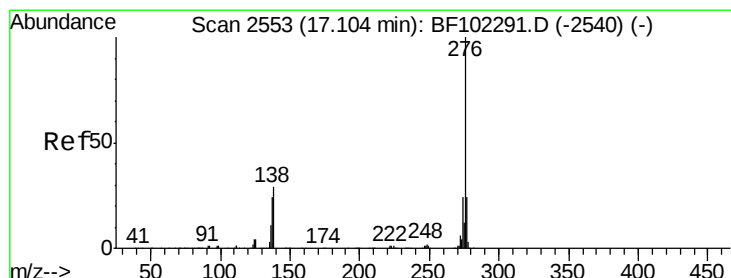
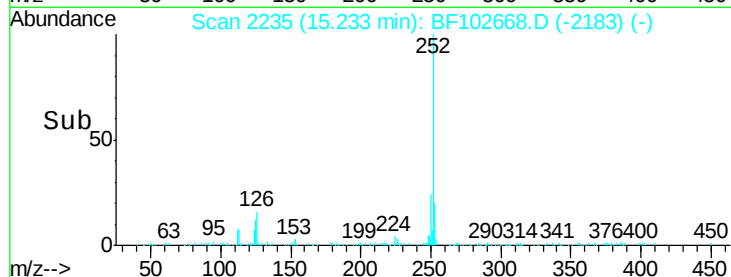
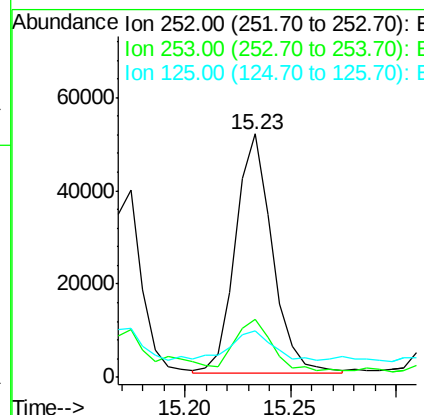
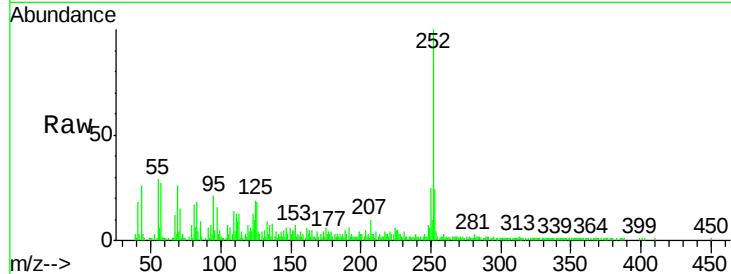
#89
Benzo(a)pyrene
Concen: 4.795 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Instrument :
BNA_F
ClientSampleId :
BU-02-013018

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	19.3	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.662 ng
RT: 17.12 min Scan# 2555
Delta R.T. 0.01 min
Lab File: BF102668.D
Acq: 31 Jan 2018 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9
138	31.3	21.8	32.8

