

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106675.D
 Acq On : 21 Jun 2018 21:49
 Operator : JU/SJ
 Sample : J3247-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-061918

Manual Integrations
 APPROVED

Sohil
 6/22/2018 10:23:18 AM

Quant Time: Jun 22 03:41:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	61594	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	228911	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	101610	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	173559	20.00	ng	0.00
75) Chrysene-d12	14.15	240	173073	20.00	ng	0.00
86) Perylene-d12	15.68	264	130927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	320386	88.08	ng	0.00
7) Phenol-d6	6.60	99	405135	89.19	ng	0.00
23) Nitrobenzene-d5	7.52	82	255606	62.05	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	99250	84.28	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	438052	70.45	ng	-0.01
78) Terphenyl-d14	13.08	244	457785	64.07	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.95	142	19651	2.770	ng	Qvalue 92
48) Acenaphthylene	9.86	152	34401	3.418	ng	96
49) Dimethylphthalate	9.71	163	54653	7.171	ng	99
51) Acenaphthene	10.03	154	34970	5.518	ng	95
54) Dibenzofuran	10.21	168	36677	4.227	ng	95
57) Fluorene	10.55	166	55422	8.049	ng	99
70) Phenanthrene	11.52	178	430962	51.482	ng	99
71) Anthracene	11.57	178	128133	14.996	ng	98
72) Carbazole	11.72	167	31712	3.964	ng	97
74) Fluoranthene	12.71	202	546887	59.273	ng	97
77) Pyrene	12.95	202	499574	43.773	ng	100
80) Benzo(a)anthracene	14.14	228	274187	25.993	ng	97
82) Chrysene	14.17	228	233003	24.010	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	75895	9.216	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	238235m	29.292	ng	
88) Benzo(k)fluoranthene	15.25	252	67270m	8.685	ng	
89) Benzo(a)pyrene	15.62	252	155925m	21.566	ng	
90) Dibenzo(a,h)anthracene	17.25	278	20120	3.284	ng	96
91) Benzo(a,h,i)perylene	17.72	276	72532	12.111	ng	# 90

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

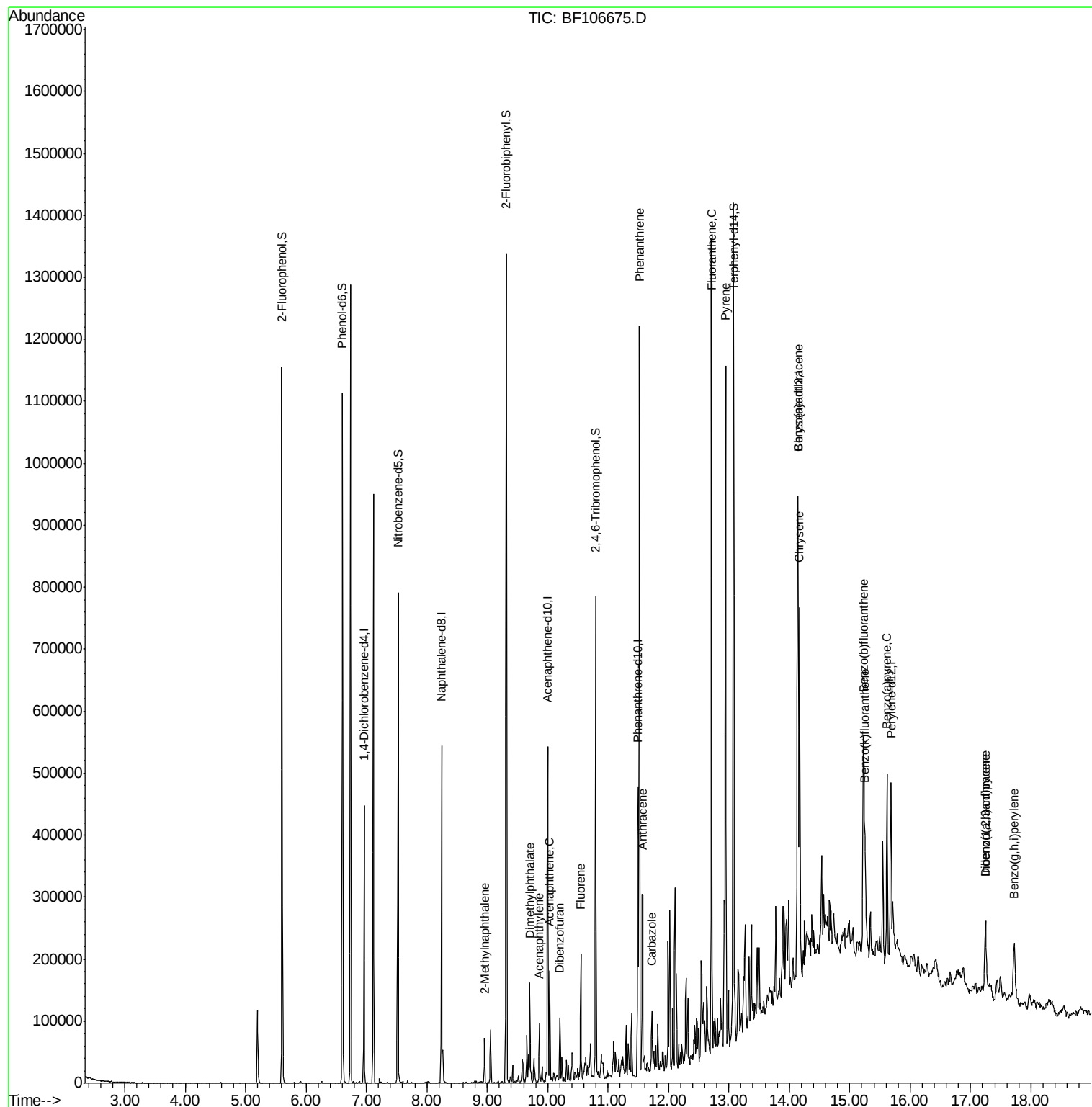
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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#1

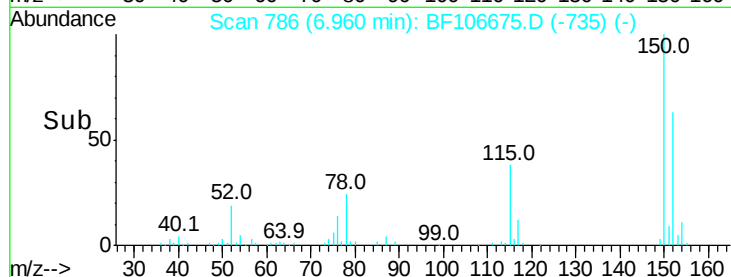
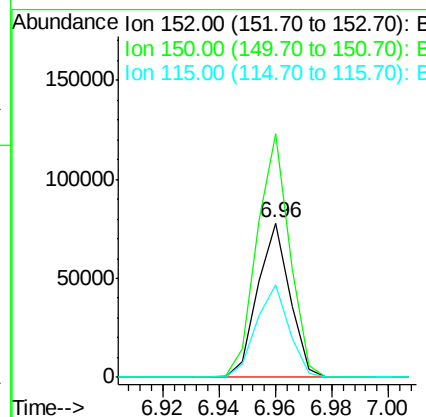
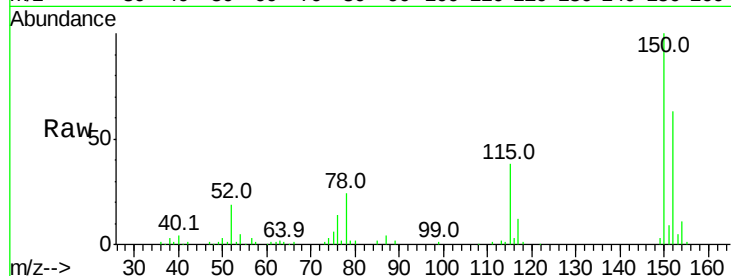
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	59.8	50.1	75.1

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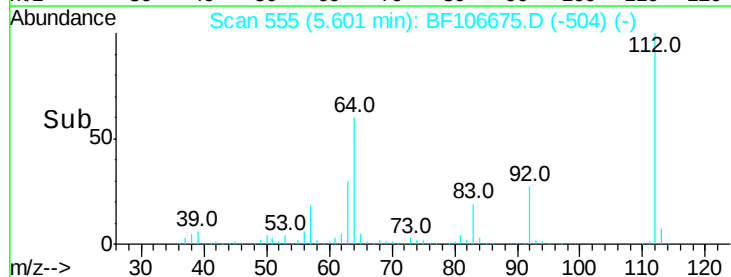
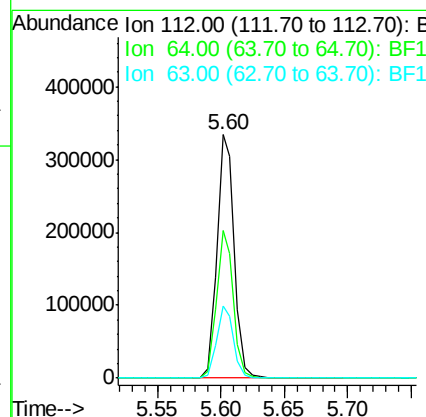
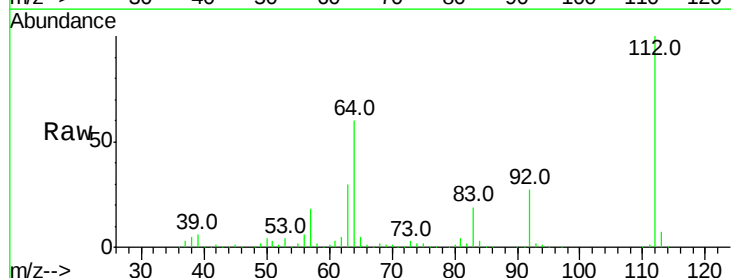
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#5

2-Fluorophenol
Concen: 88.079 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 89.188 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Instrument :

BNA_F

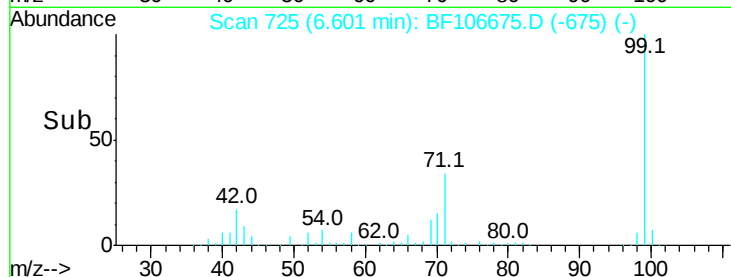
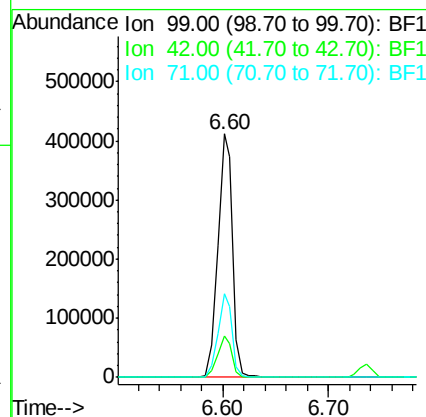
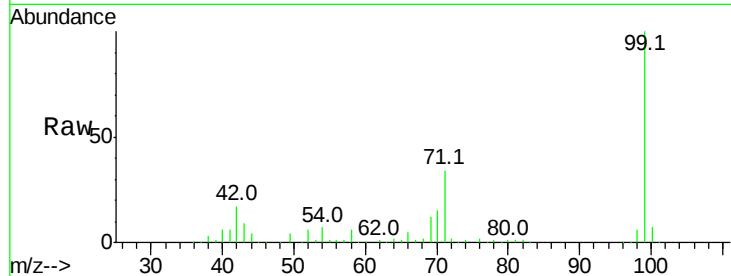
ClientSampleId :

OR-01-061918

Tot Ion:	99	Resp:	405135
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	34.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

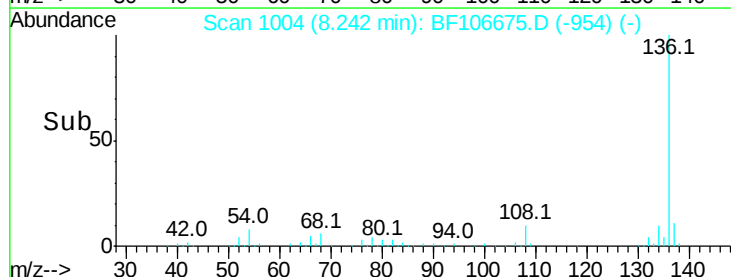
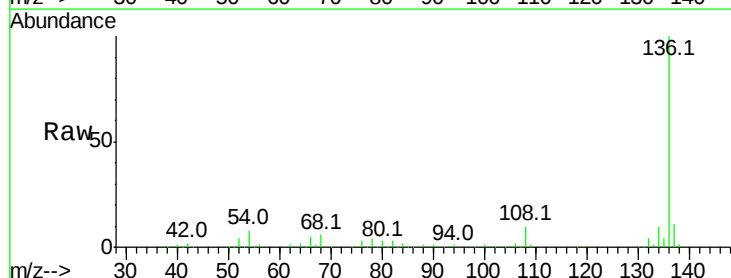
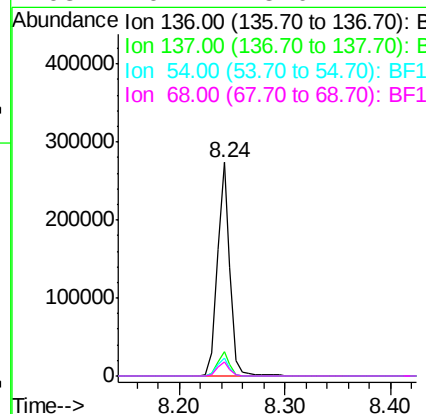
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Tgt Ion:	136	Resp:	228911
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.2	6.6	9.8
68	6.4	5.0	7.4





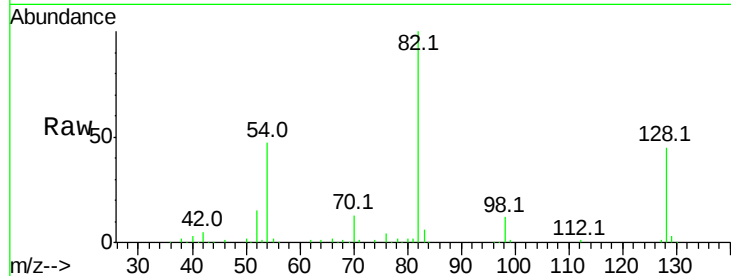
#23
 Nitrobenzene-d5
 Concen: 62.054 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-061918

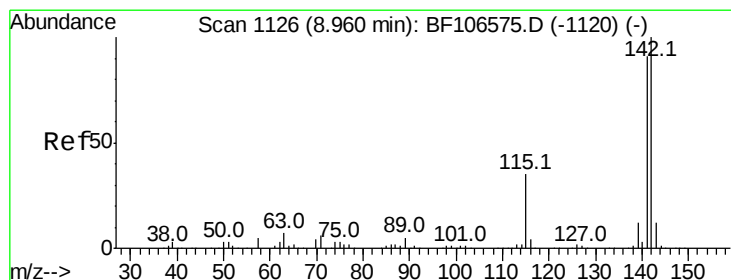
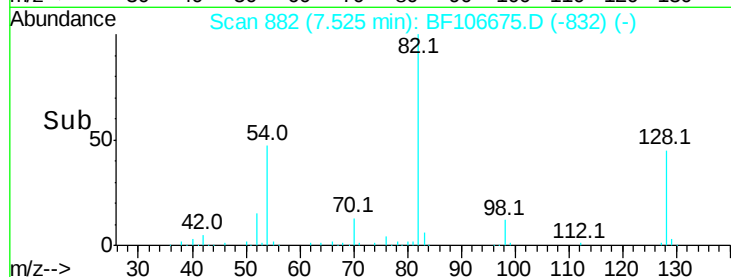
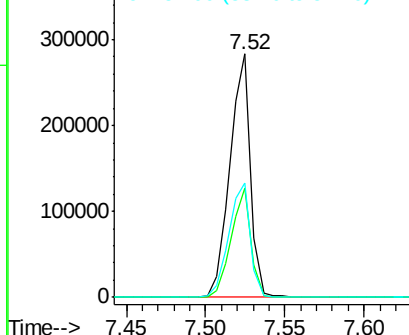
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	36.1	54.1	
54	47.2	41.4	62.2	

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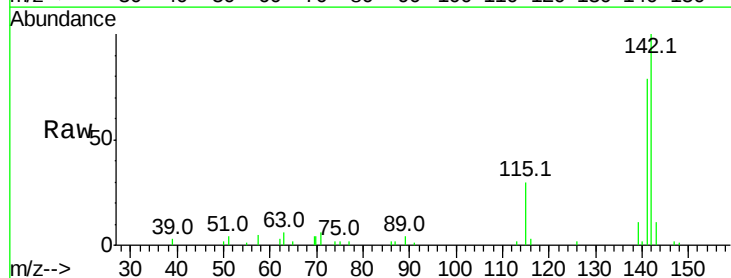


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

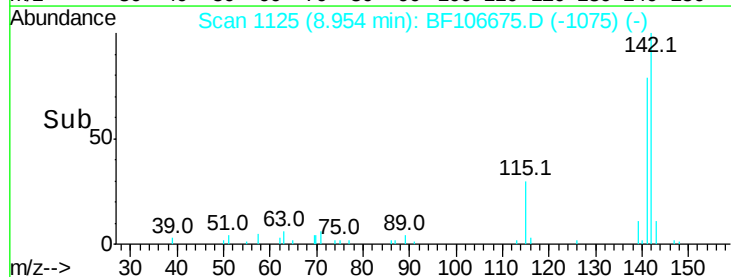
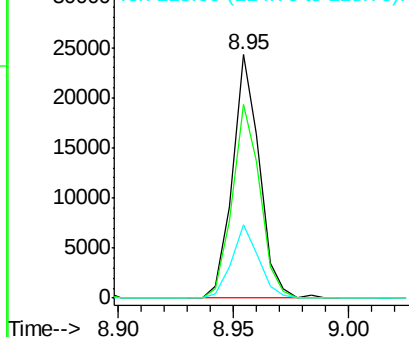


#37
 2-Methylnaphthalene
 Concen: 2.770 ng
 RT: 8.95 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	79.3	70.8	106.2	
115	30.2	26.1	39.1	



Abundance Ion 142.00 (141.70 to 142.70): BF1
 Ion 141.00 (140.70 to 141.70): BF1
 Ion 115.00 (114.70 to 115.70): BF1





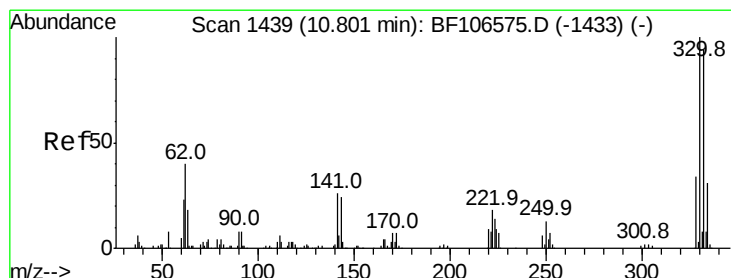
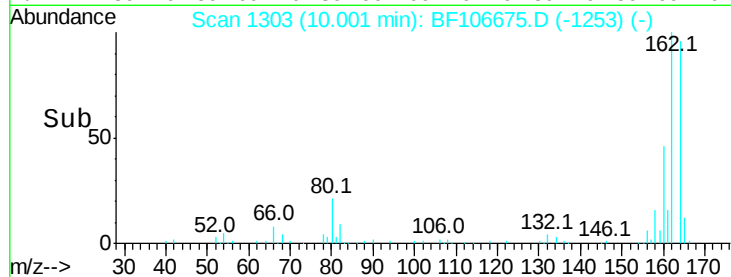
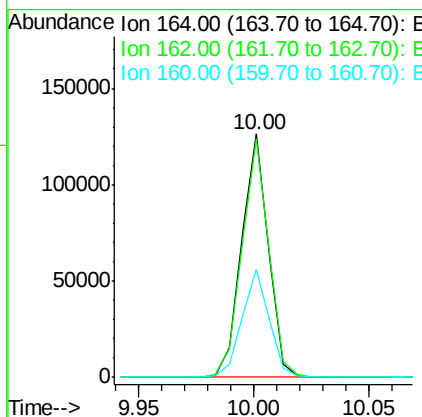
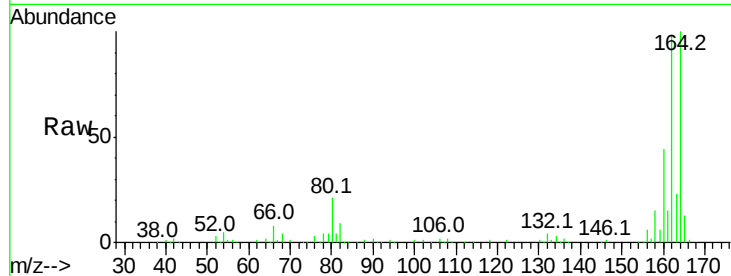
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	97.8	86.1	129.1	
160	44.3	38.3	57.5	

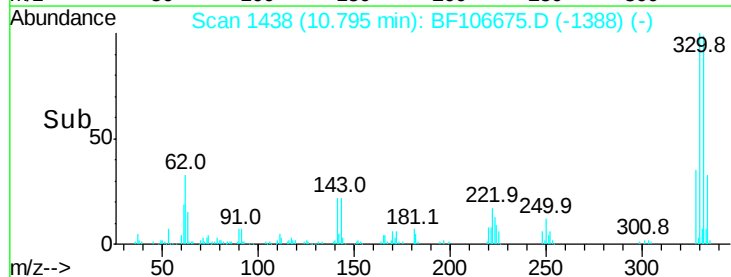
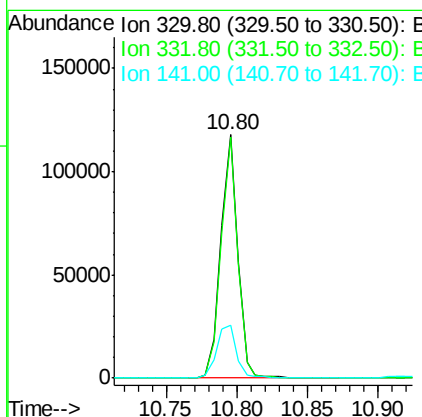
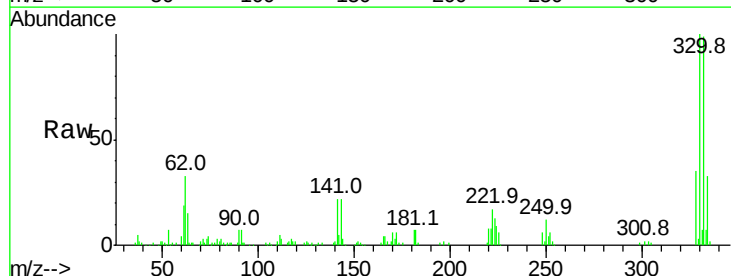
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#41
2,4,6-Tribromophenol
Concen: 84.275 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.0	115.6	
141	25.1	29.9	44.9	





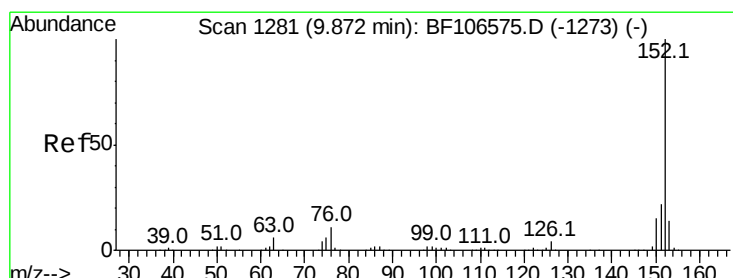
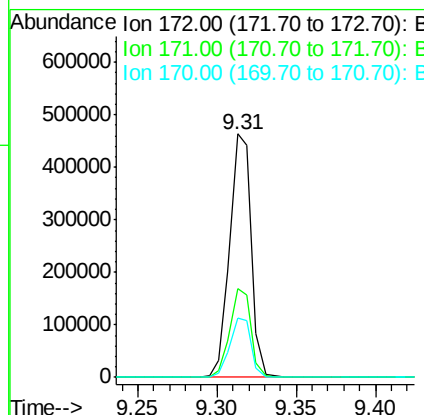
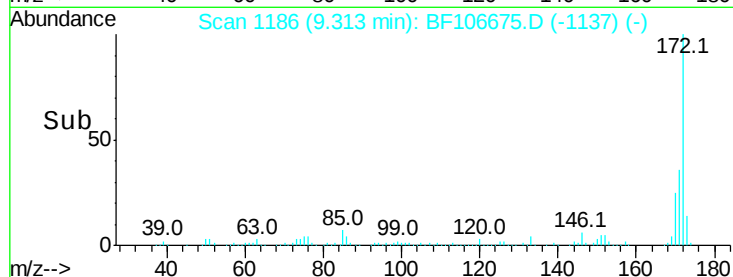
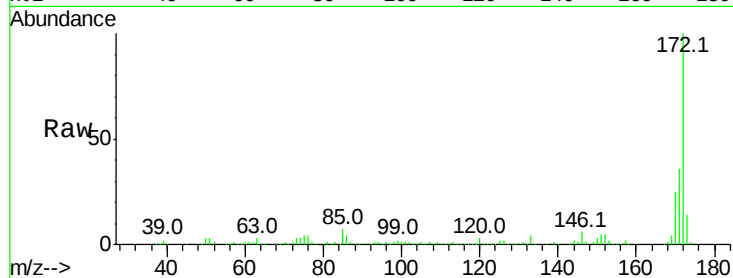
#44
 2-Fluorobiphenyl
 Concen: 70.445 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-061918

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.6	19.6	29.4	

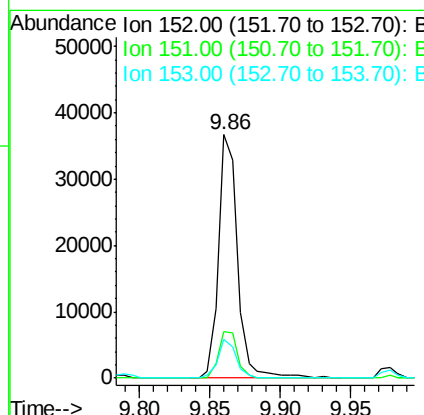
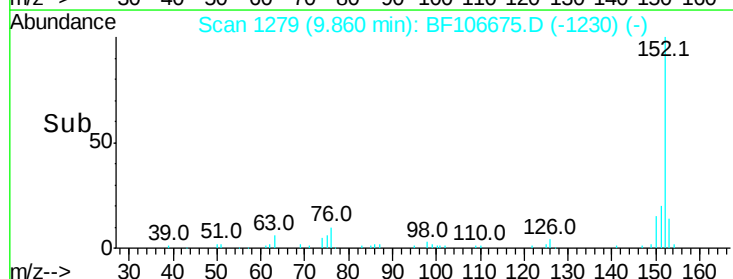
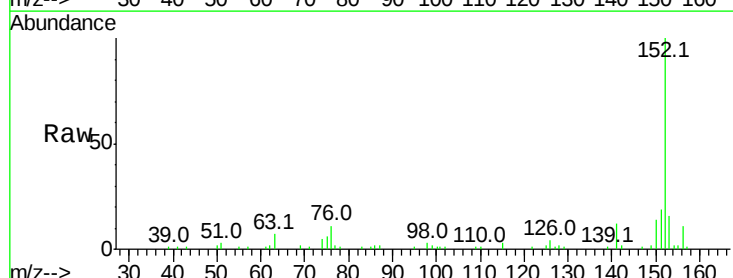
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#48
 Acenaphthylene
 Concen: 3.418 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.3	16.3	24.5	
153	15.7	10.7	16.1	





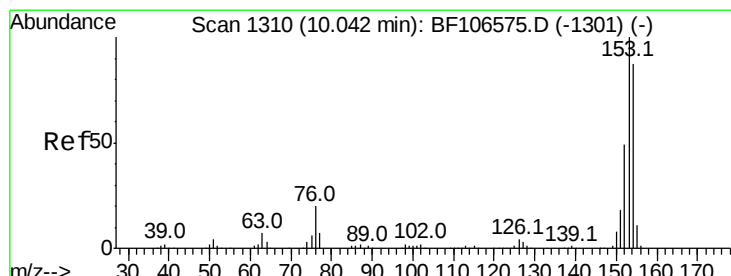
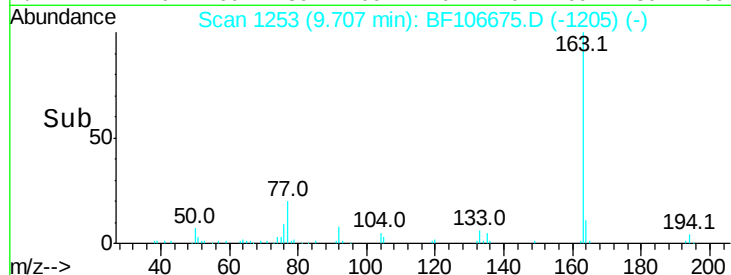
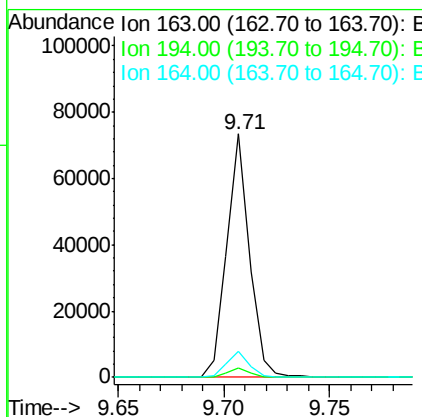
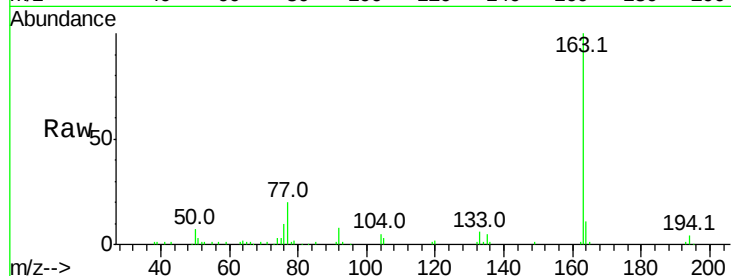
#49
Dimethylphthalate
Concen: 7.171 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Resp	Lower	Upper
163	100	54653		
194	3.7		2.7	4.1
164	10.6		8.2	12.2

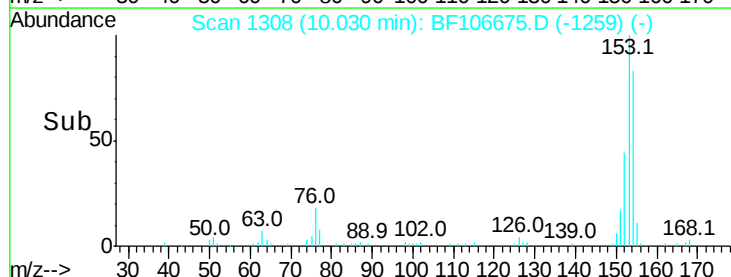
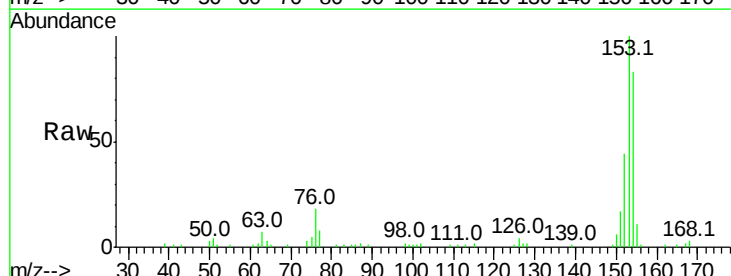
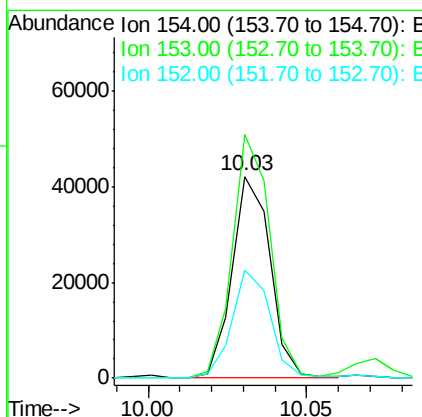
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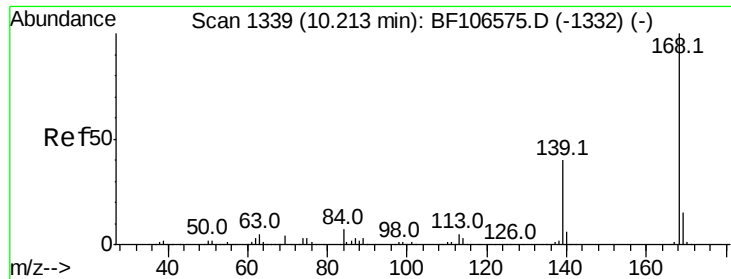
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#51
Acenaphthene
Concen: 5.518 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34970		
153	120.9		91.2	136.8
152	53.4		43.8	65.8





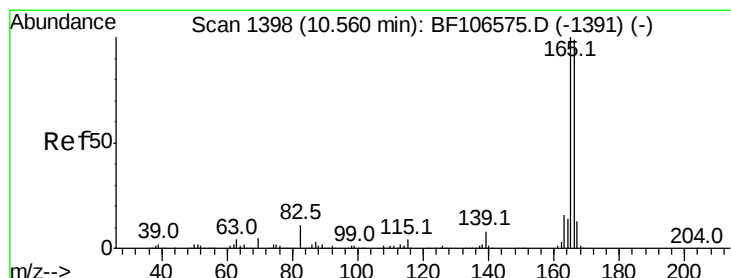
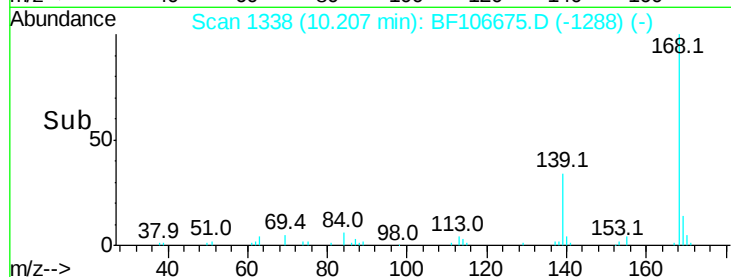
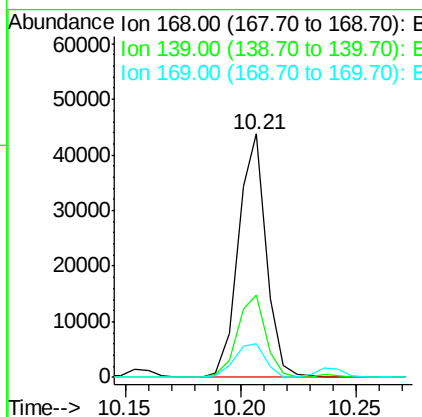
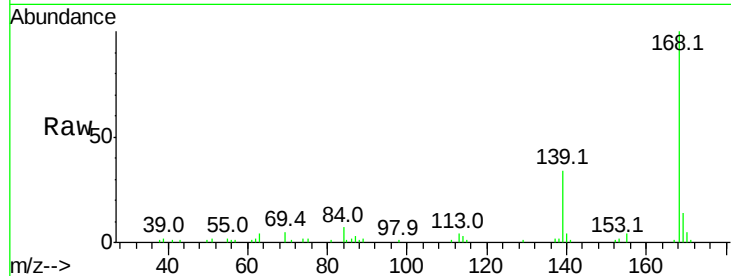
#54
Dibenzenofuran
Concen: 4.227 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.9	30.1	45.1
169	13.9	10.9	16.3

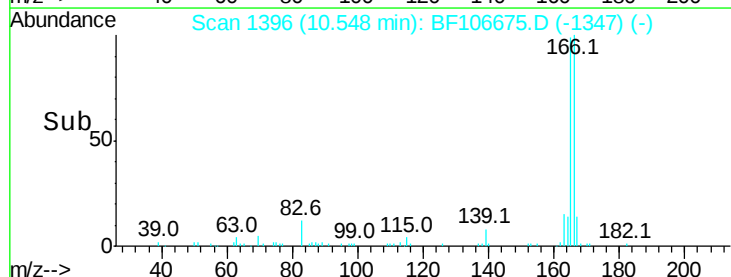
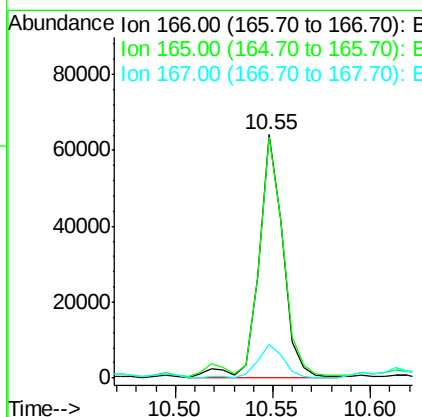
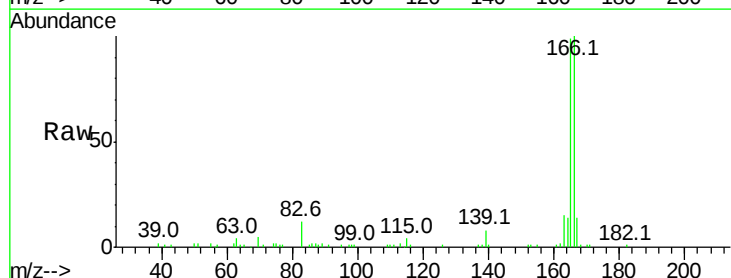
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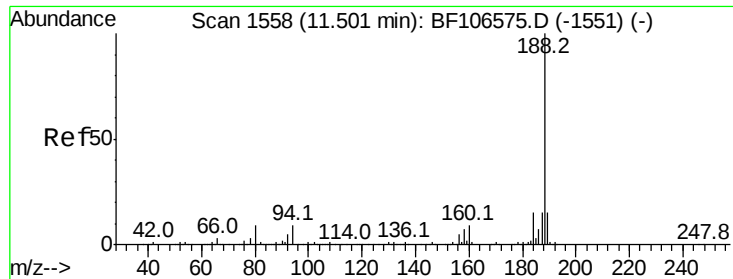
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#57
Fluorene
Concen: 8.049 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.8	119.8
167	13.9	10.6	16.0





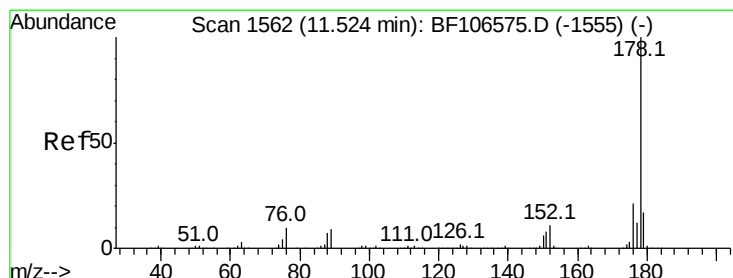
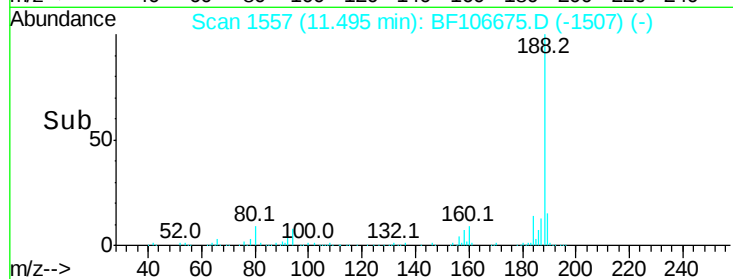
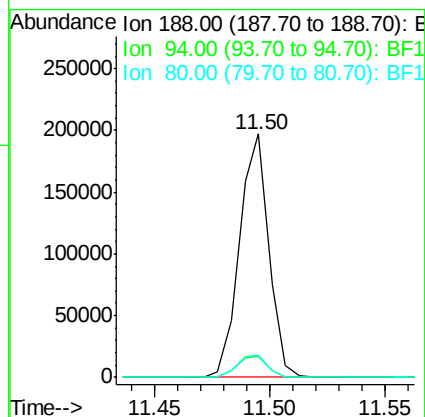
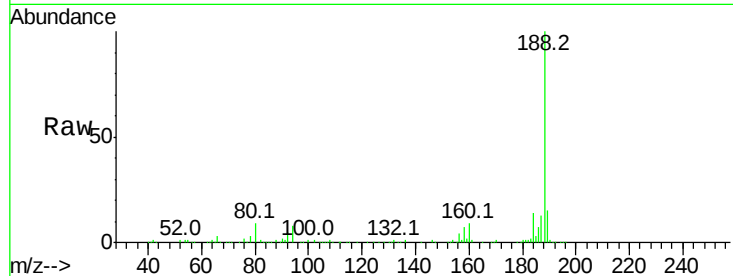
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.9	9.2	13.8#

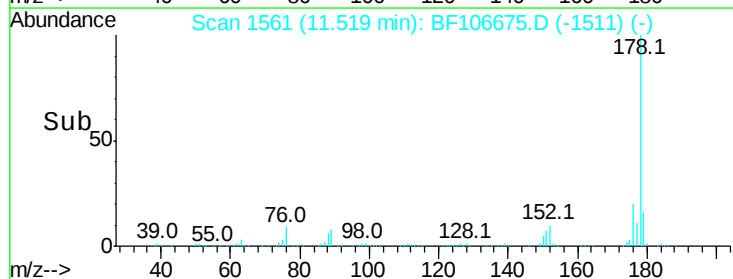
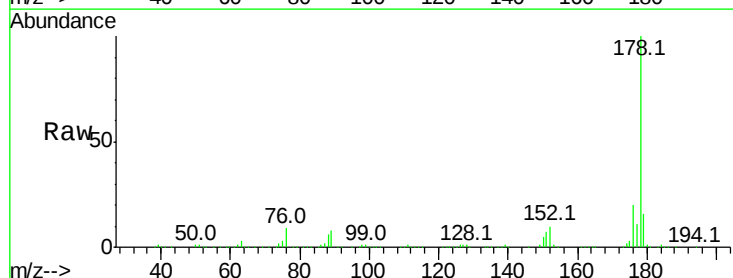
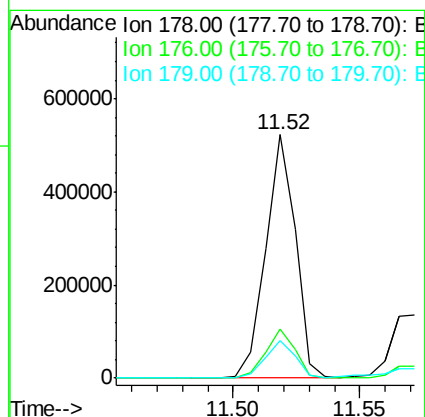
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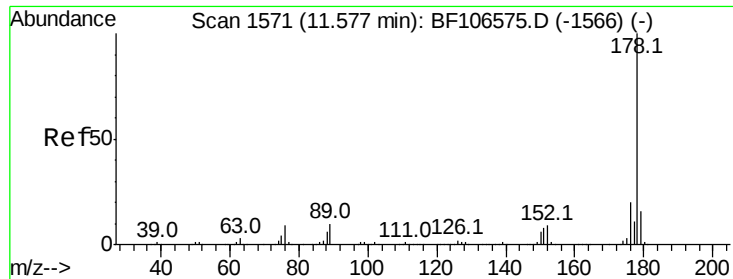
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#70
Phenanthrene
Concen: 51.482 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	13.0	19.6





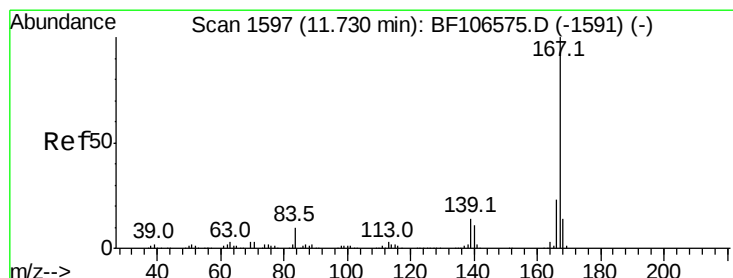
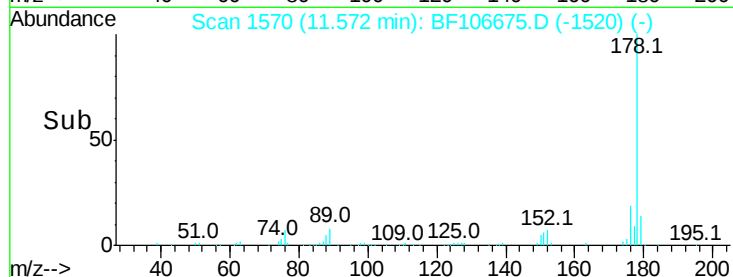
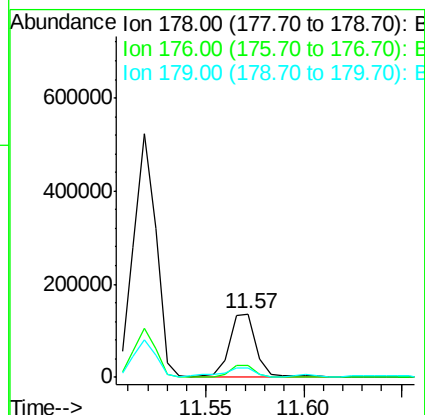
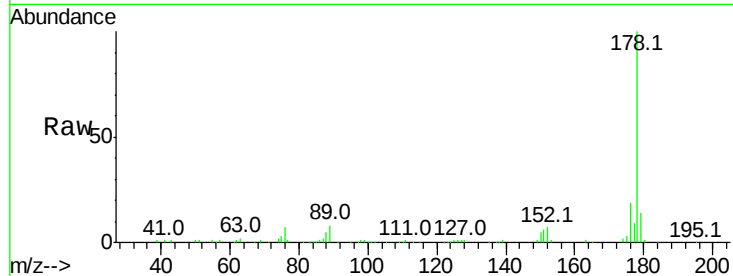
#71
 Anthracene
 Concen: 14.996 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-061918

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.4	12.6	19.0

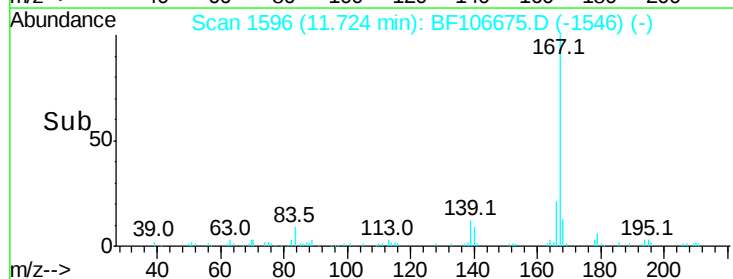
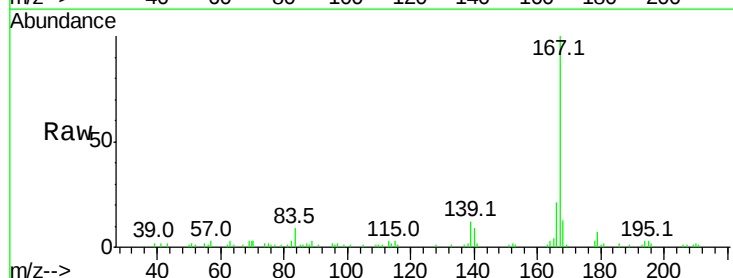
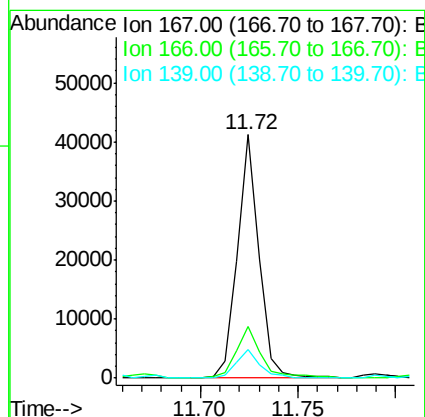
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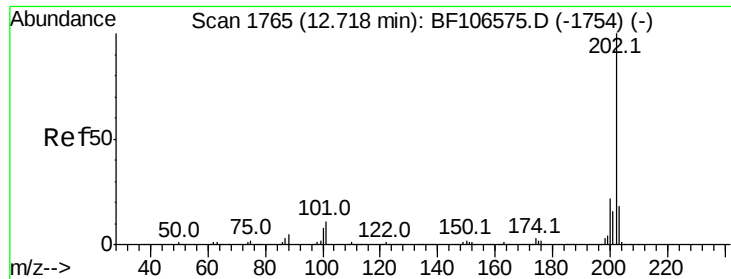
Sohil
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#72
 Carbazole
 Concen: 3.964 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	11.7	10.9	16.3





#74

Fluoranthene

Concen: 59.273 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Instrument :

BNA_F

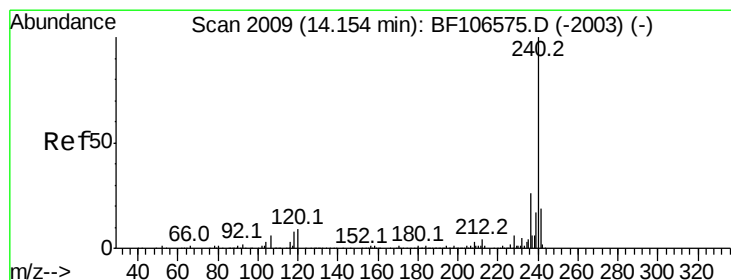
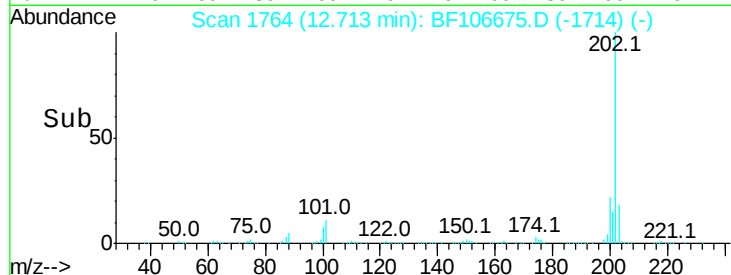
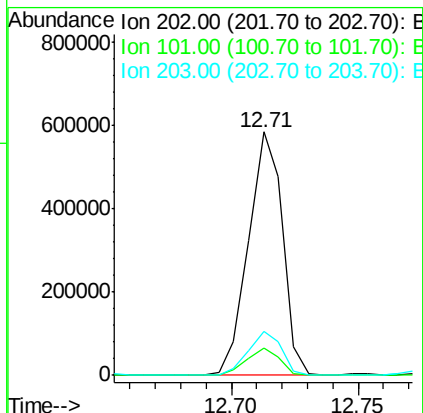
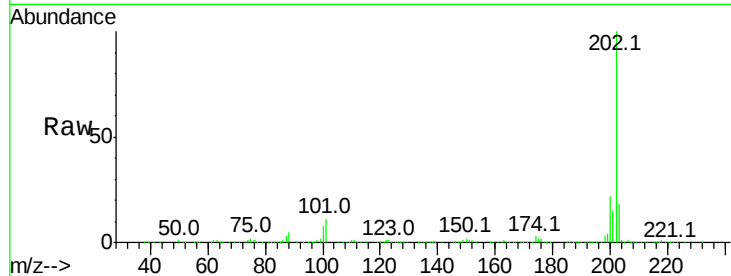
ClientSampleId :

OR-01-061918

Tot Ion:	202	Resp:	546887
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

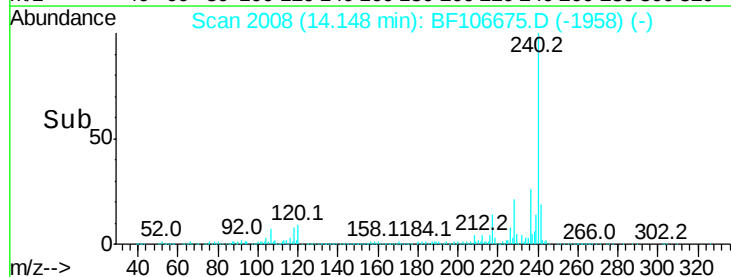
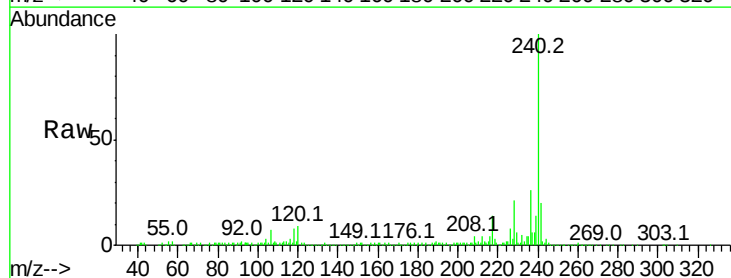
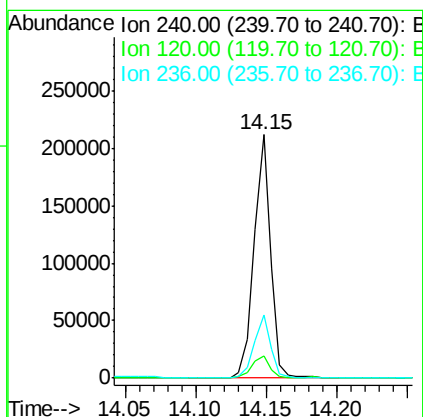
RT: 14.15 min Scan# 2008

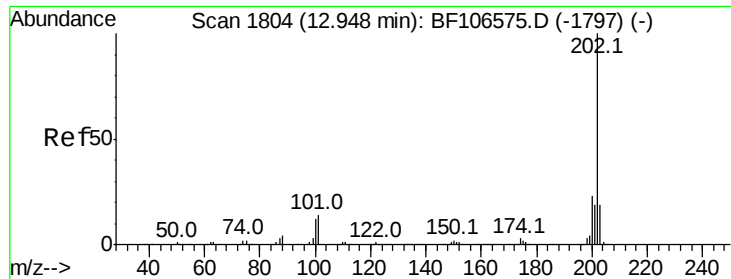
Delta R.T. -0.01 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Tgt Ion:	240	Resp:	173073
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 43.773 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Instrument :

BNA_F

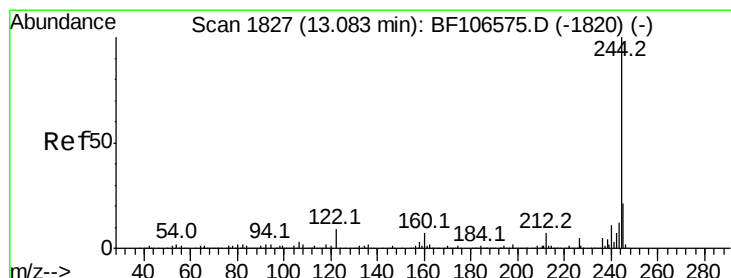
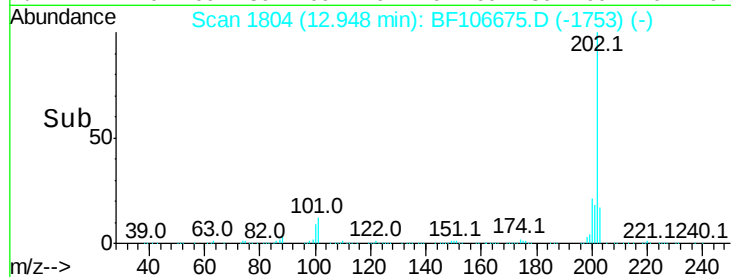
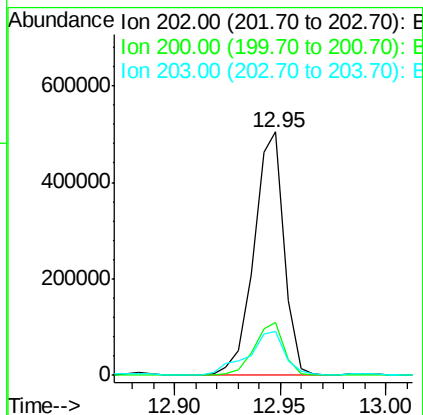
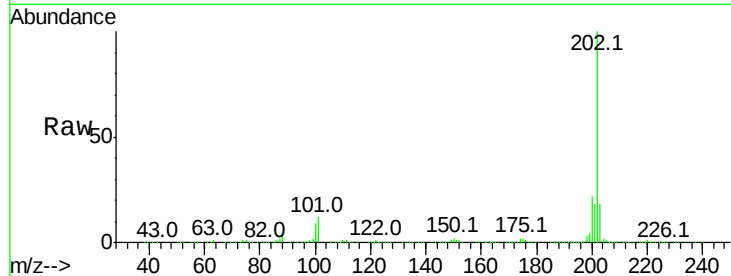
ClientSampleId :

OR-01-061918

Tot Ion:	202	Resp:	499574
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 64.071 ng

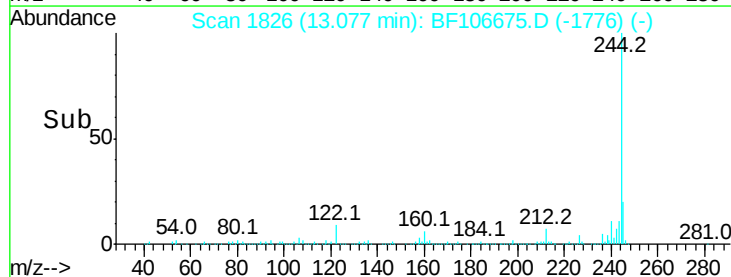
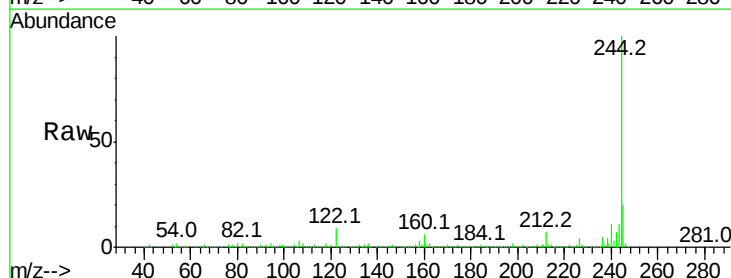
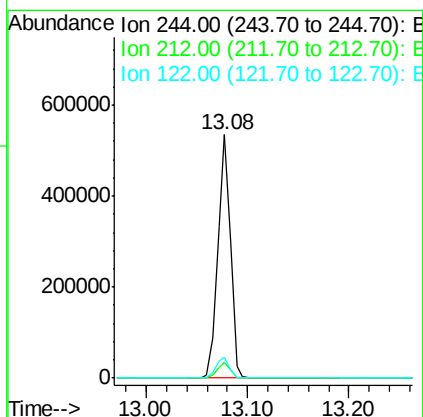
RT: 13.08 min Scan# 1826

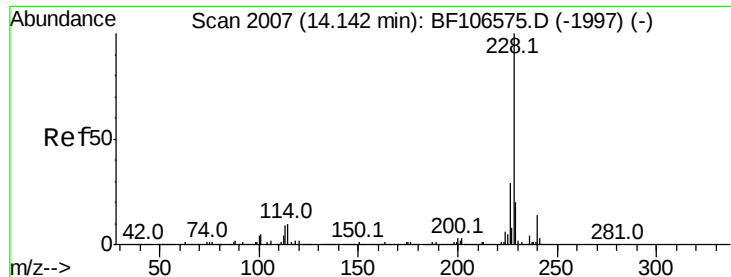
Delta R.T. -0.01 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Tgt Ion:	244	Resp:	457785
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	8.8	11.0	16.4#





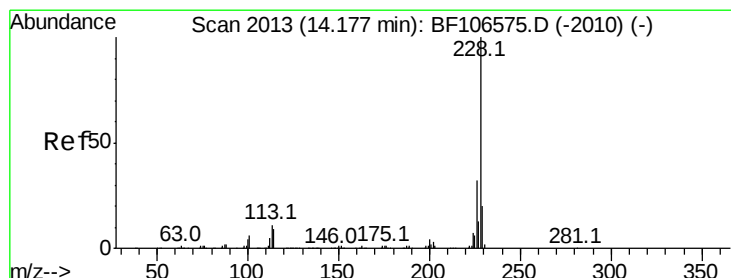
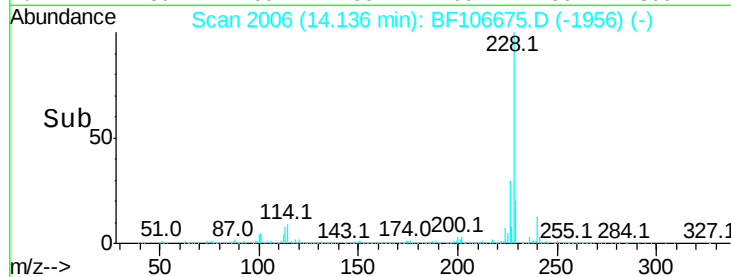
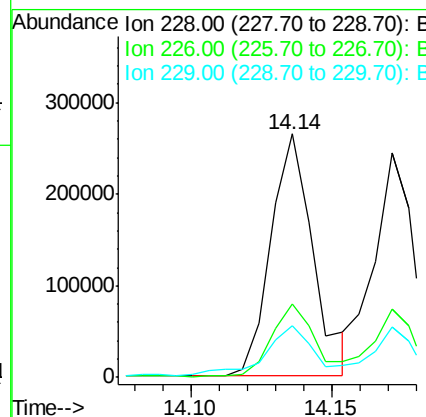
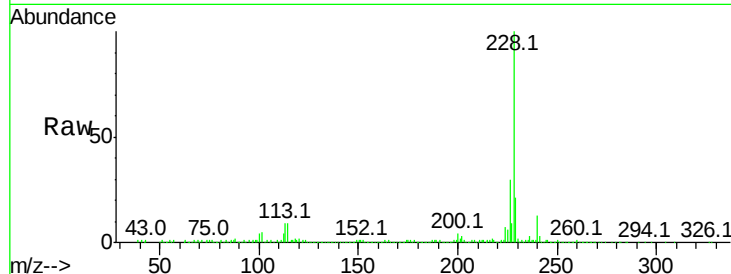
#80
Benzo(a)anthracene
Concen: 25.993 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.0	15.8	23.6

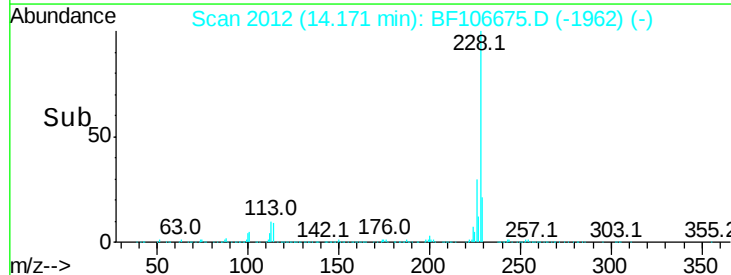
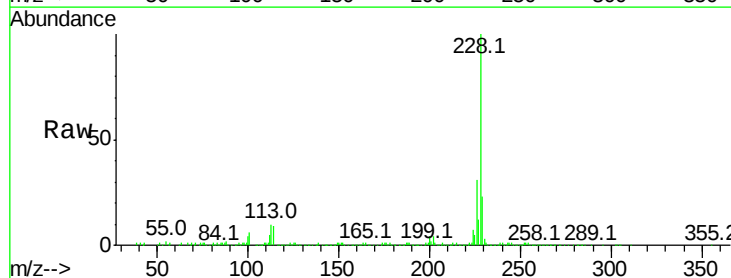
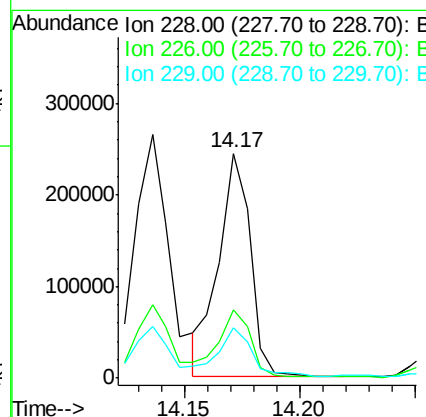
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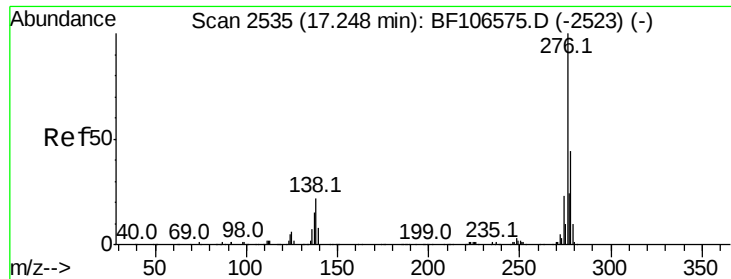
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#82
Chrysene
Concen: 24.010 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.6	16.2	24.4





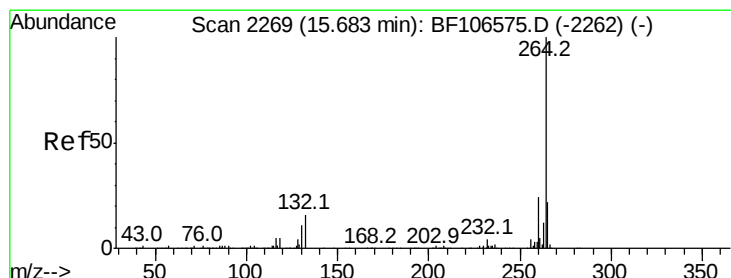
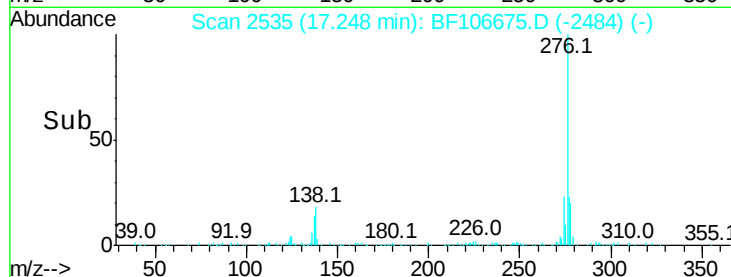
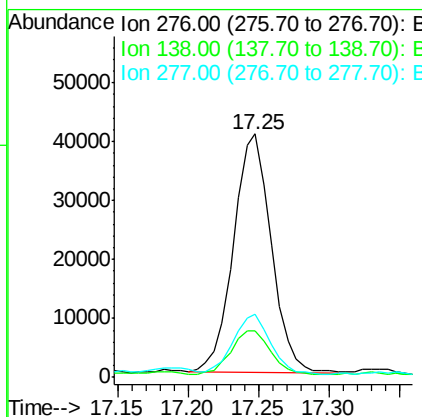
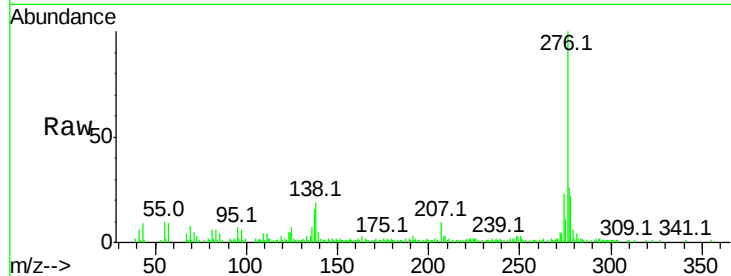
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.216 ng
RT: 17.25 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	25.5	20.1	30.1

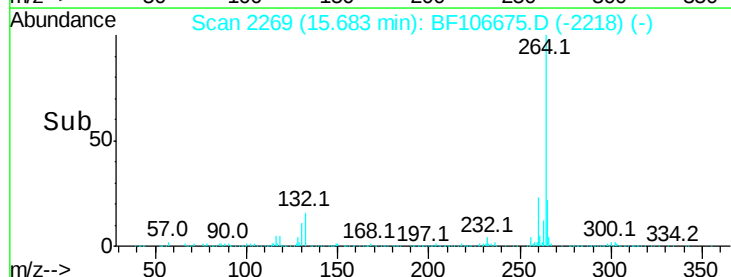
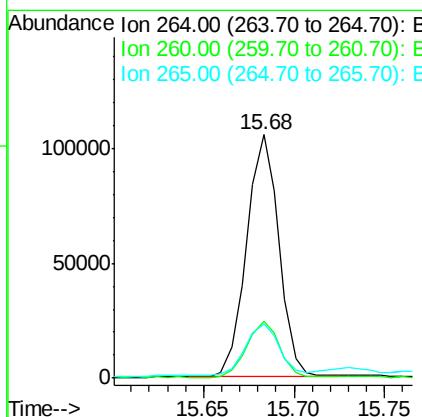
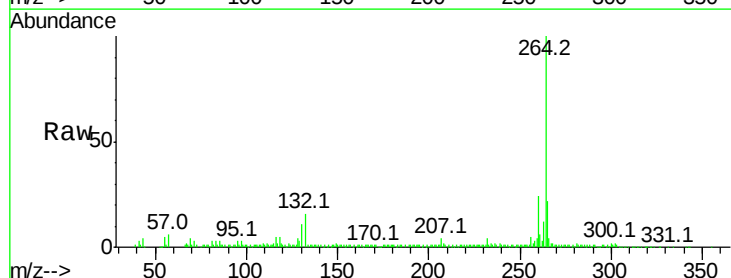
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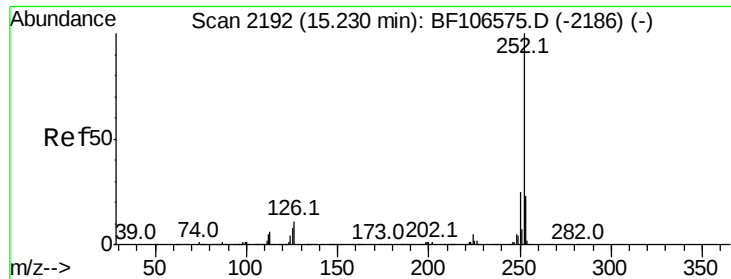
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 29.292 ng m

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Instrument :

BNA_F

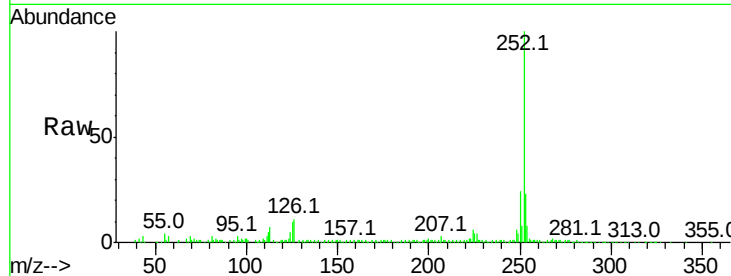
ClientSampleId :

OR-01-061918

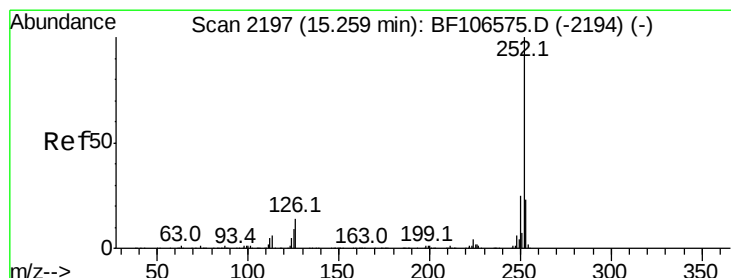
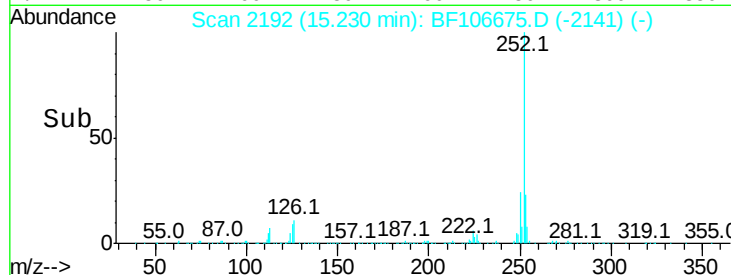
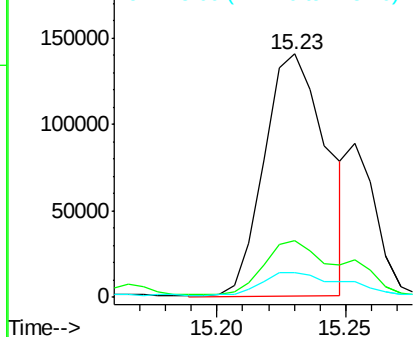
Tot Ion:	252	Resp:	238235
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	10.1	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.685 ng m

RT: 15.25 min Scan# 2196

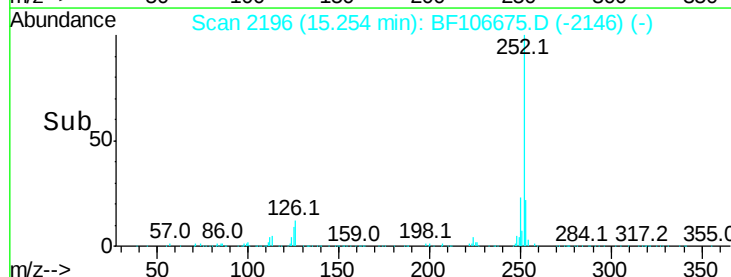
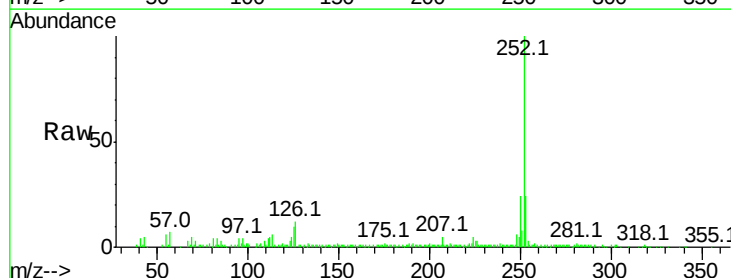
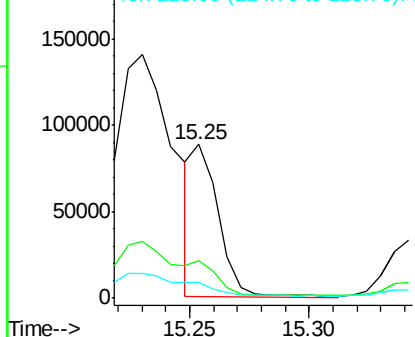
Delta R.T. -0.01 min

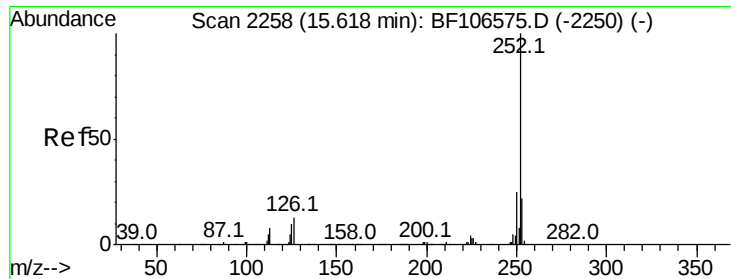
Lab File: BF106675.D

Acq: 21 Jun 2018 21:49

Tgt Ion:	252	Resp:	67270
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	10.2	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





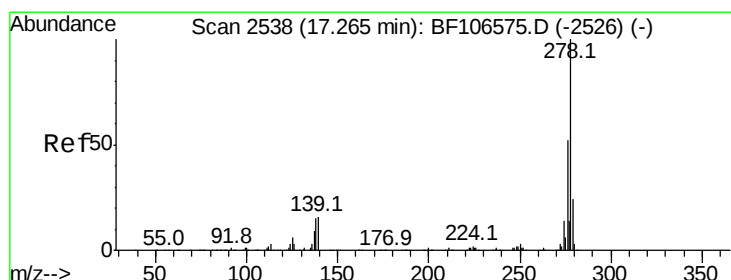
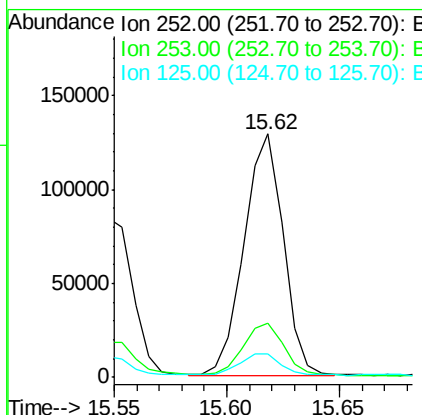
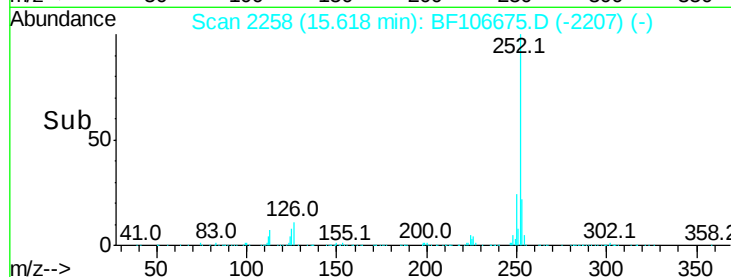
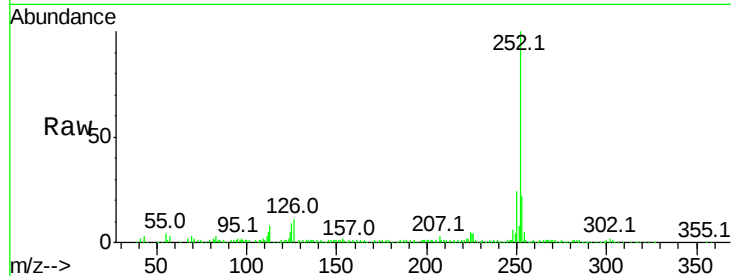
#89
Benzo(a)pyrene
Concen: 21.566 ng/ml
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Instrument :
BNA_F
ClientSampleId :
OR-01-061918

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	9.4	9.8	14.6

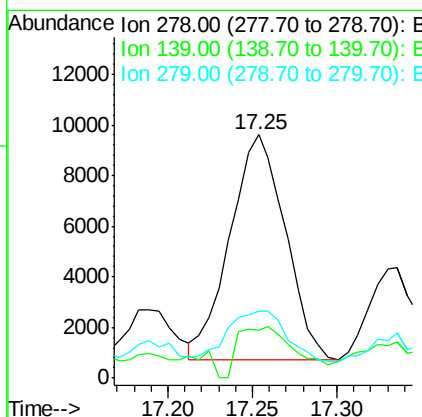
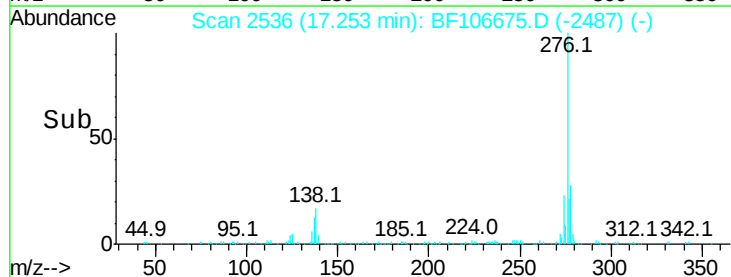
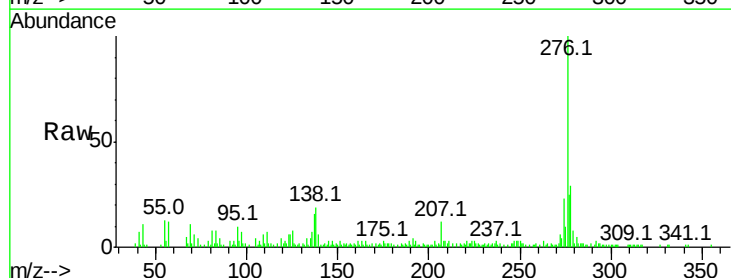
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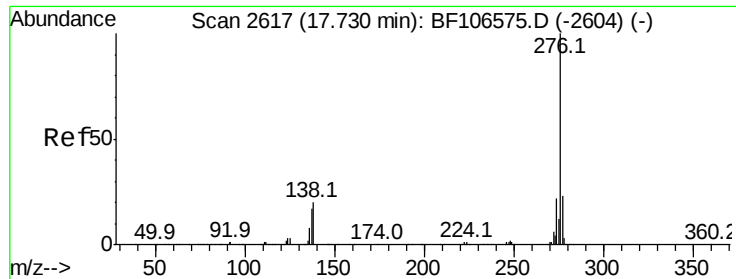
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#90
Dibenzo(a,h)anthracene
Concen: 3.284 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF106675.D
Acq: 21 Jun 2018 21:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.9	23.9
279	27.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.111 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BF106675.D
 Acq: 21 Jun 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-061918

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	19.6	21.8	32.8

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