

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102595.D
 Acq On : 29 Jan 2018 14:09
 Operator : SJ/JU
 Sample : J1253-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-08(5-15)

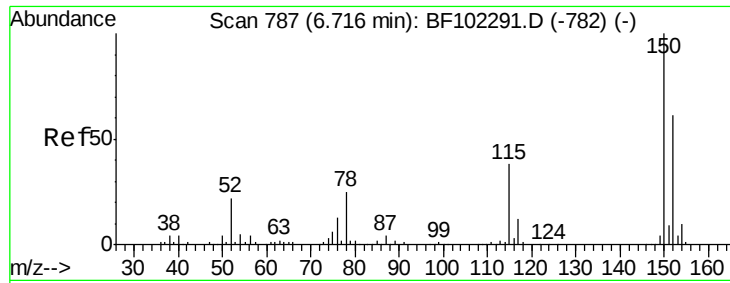
Manual Integrations
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Quant Time: Jan 30 01:02:18 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	176965	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	701468	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	281630	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	400147	20.00	ng	0.00
75) Chrysene-d12	13.89	240	294823	20.00	ng	0.01
86) Perylene-d12	15.33	264	237065	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	636831	54.56	ng	0.00
7) Phenol-d6	6.36	99	760323	54.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	426042	34.90	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	105845	37.93	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	710725	37.11	ng	0.00
78) Terphenyl-d14	12.82	244	465169	35.57	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	34870	2.270	ng	91
31) Naphthalene	8.02	128	112911	3.224	ng	100
37) 2-Methylnaphthalene	8.71	142	52370	2.245	ng	99
49) Dimethylphthalate	9.47	163	139368	5.987	ng	99
51) Acenaphthene	9.79	154	122254	6.864	ng	99
54) Dibenzofuran	9.96	168	109009	4.523	ng	98
57) Fluorene	10.30	166	168446	8.819	ng	97
70) Phenanthrene	11.27	178	1476390	63.317	ng	99
71) Anthracene	11.32	178	419027	17.606	ng	100
72) Carbazole	11.47	167	165286	7.119	ng	98
74) Fluoranthene	12.46	202	1456411	61.250	ng	99
77) Pyrene	12.69	202	1478327	64.854	ng	100
80) Benzo(a)anthracene	13.88	228	674237	37.145	ng	99
82) Chrysene	13.92	228	642073m	34.834	ng	
85) Indeno(1,2,3-cd)pyrene	16.74	276	206618	13.573	ng	97
87) Benzo(b)fluoranthene	14.92	252	589258m	38.350	ng	
88) Benzo(k)fluoranthene	14.94	252	191066m	13.162	ng	
89) Benzo(a)pyrene	15.27	252	427972	30.883	ng	# 95
90) Dibenzo(a,h)anthracene	16.74	278	55743	4.966	ng	# 66
91) Benzo(g,h,i)perylene	17.17	276	212028	19.129	ng	95

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



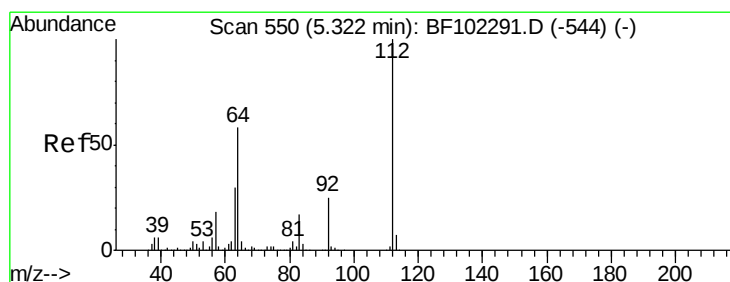
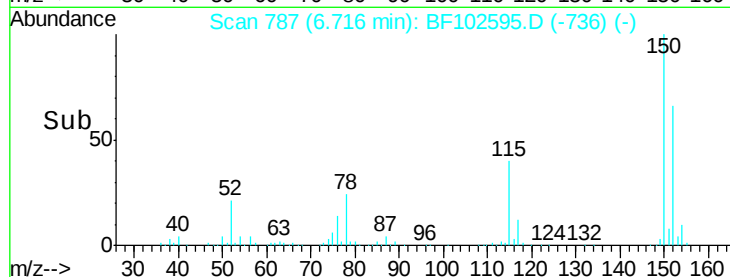
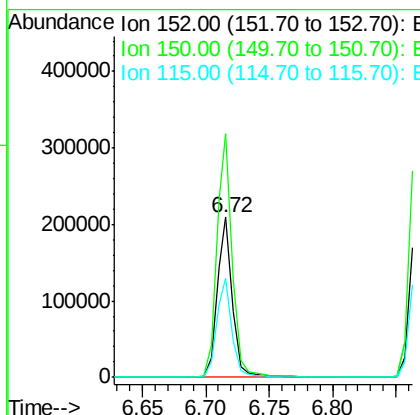
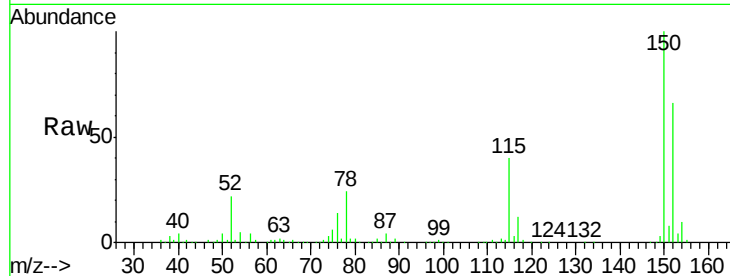
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :
WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	176965		
150	151.8	124.6	186.8	
115	61.5	50.1	75.1	

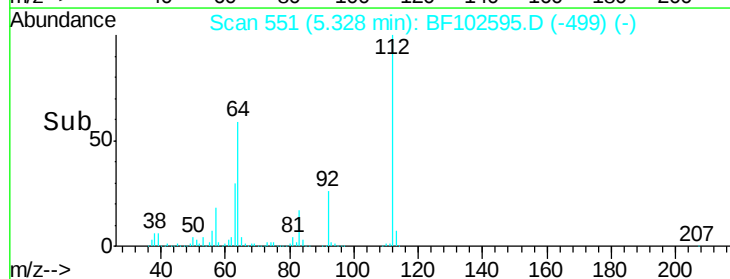
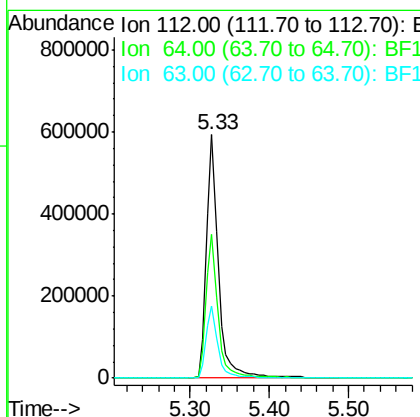
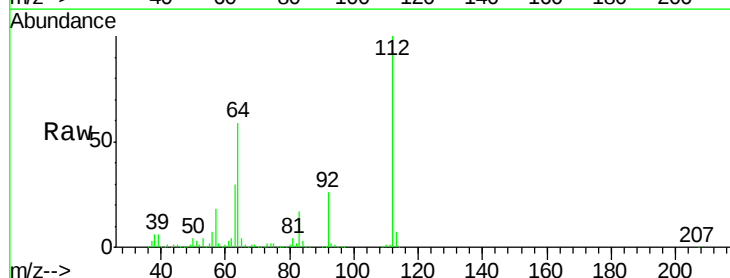
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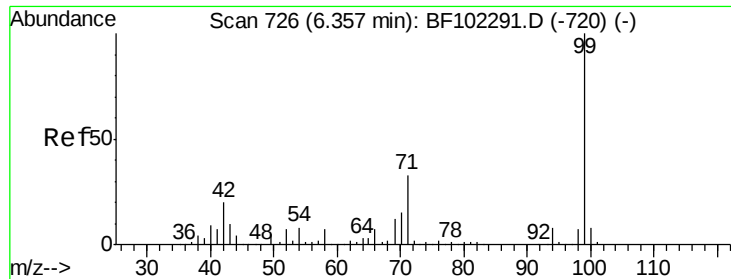
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#5
2-Fluorophenol
Concen: 54.565 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	636831		
64	59.2	47.9	71.9	
63	29.8	23.7	35.5	





#7

Phenol-d6

Concen: 54.036 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

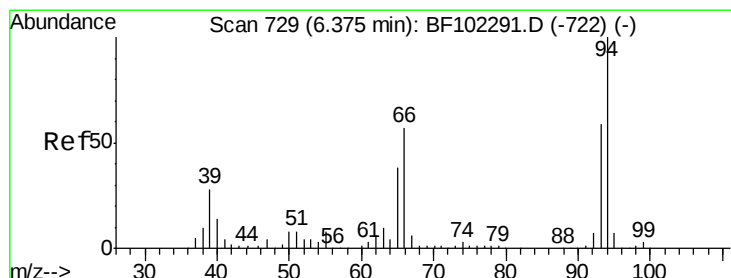
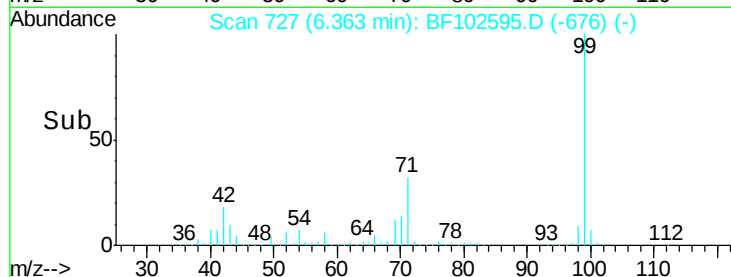
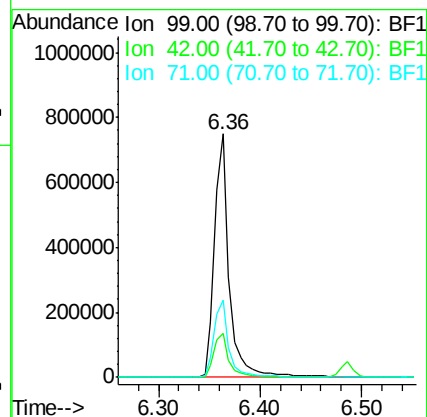
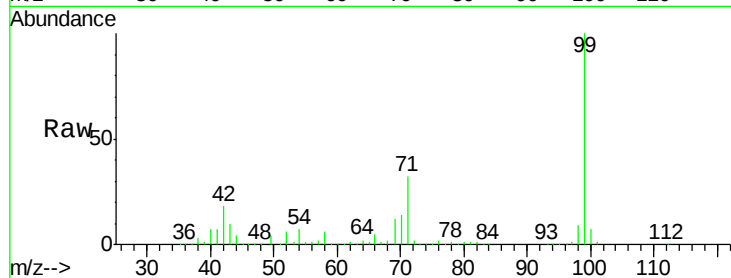
ClientSampleId :

WC-08(5-15)

Tgt Ion:	99	Resp:	760323
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	31.7	25.4	38.0

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#10

Phenol

Concen: 2.270 ng

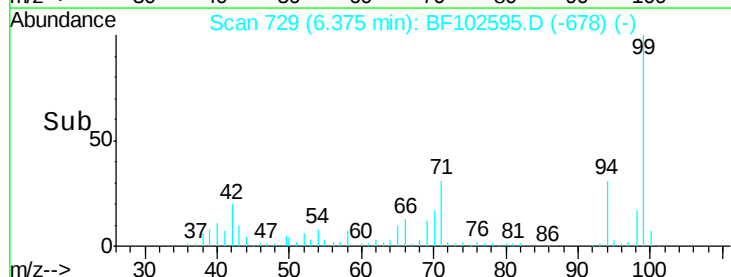
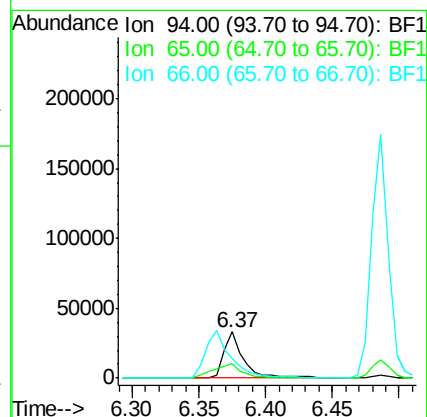
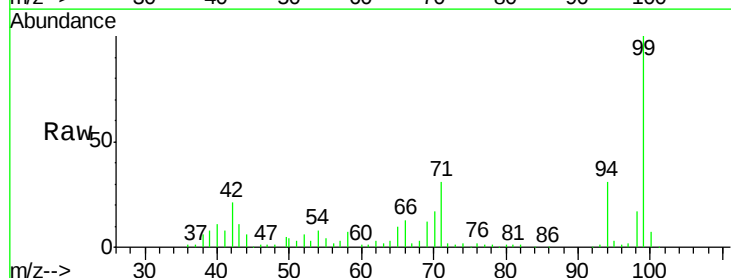
RT: 6.37 min Scan# 729

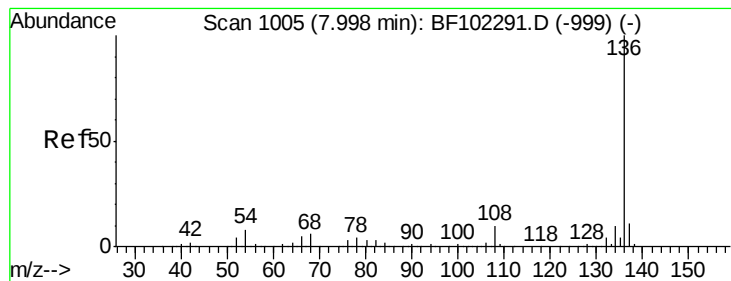
Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion:	94	Resp:	34870
Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	43.0	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

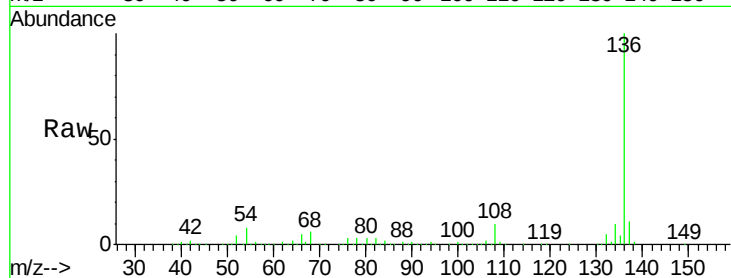
ClientSampleId :

WC-08(5-15)

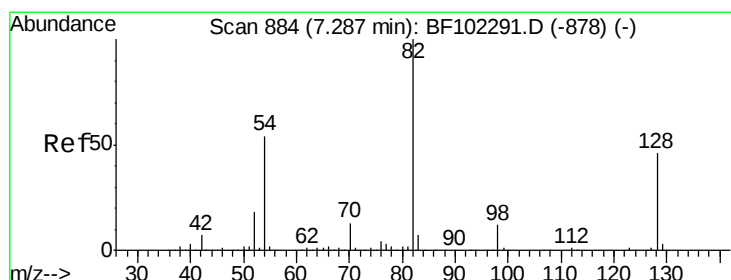
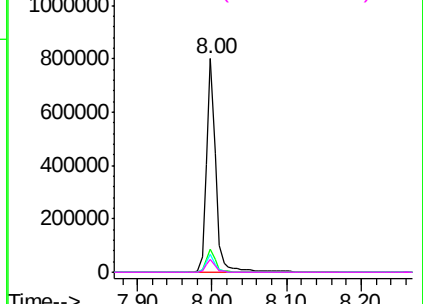
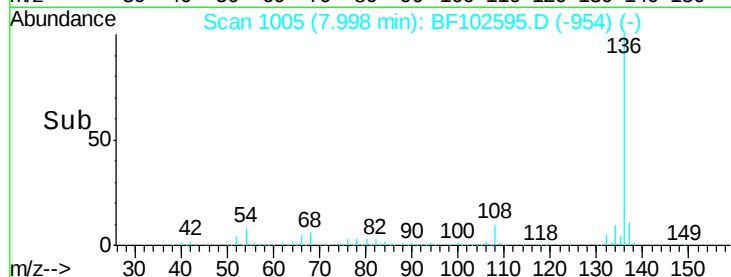
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	701468		
137	11.1	8.9	13.3	
54	8.4	6.6	9.8	
68	6.1	5.0	7.4	

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Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 34.903 ng

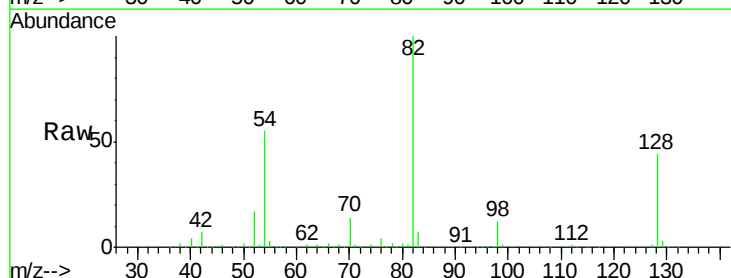
RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

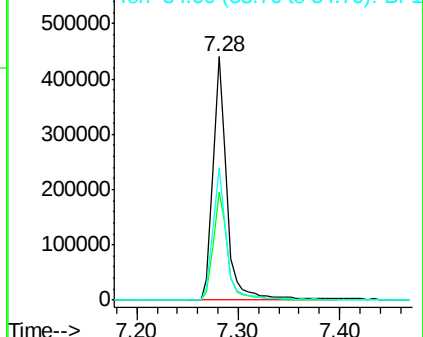
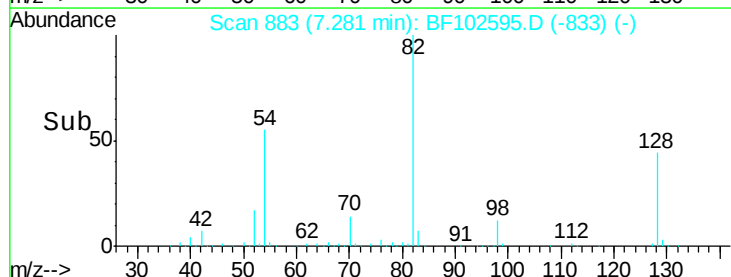
Lab File: BF102595.D

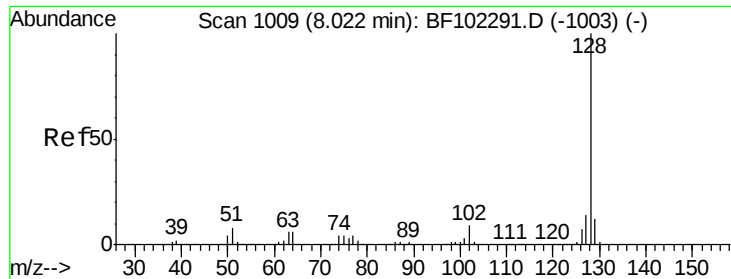
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	426042		
128	44.5	36.1	54.1	
54	54.5	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1





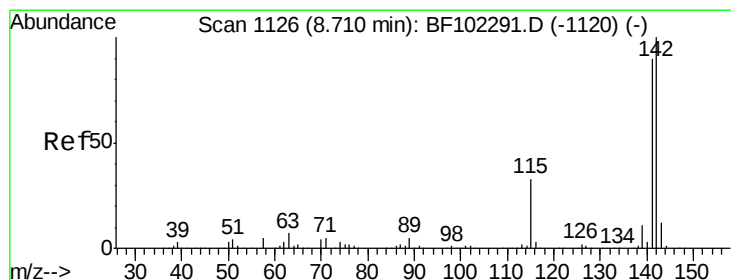
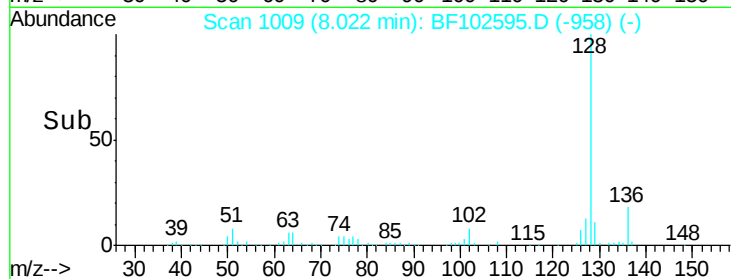
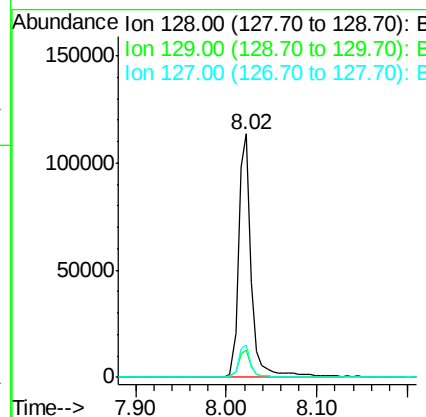
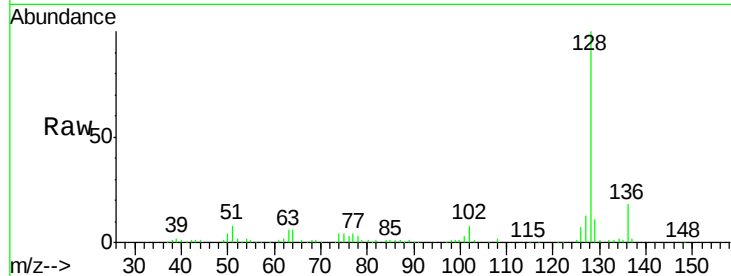
#31
Naphthalene
Concen: 3.224 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :
WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	112911		
129	11.2	8.8	13.2	
127	13.5	10.9	16.3	

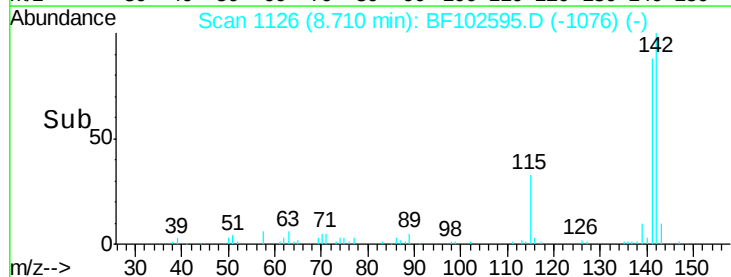
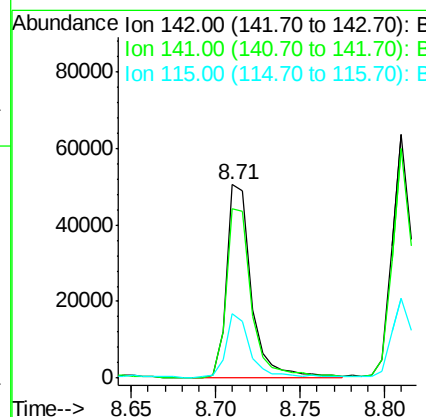
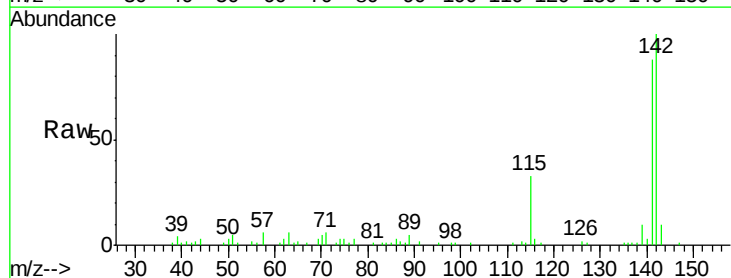
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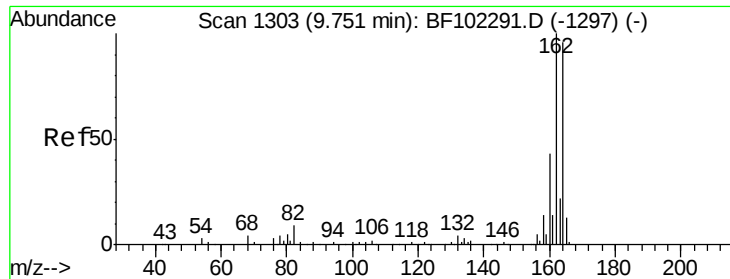
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#37
2-Methylnaphthalene
Concen: 2.245 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52370		
141	87.6	70.8	106.2	
115	33.3	26.1	39.1	





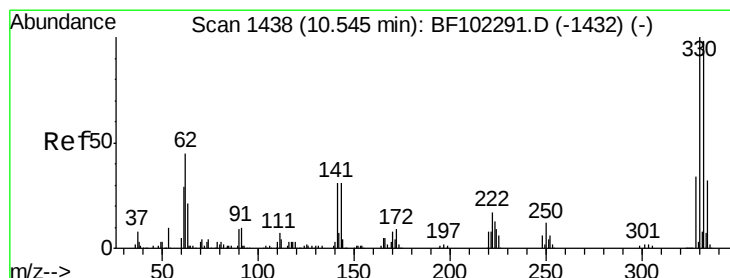
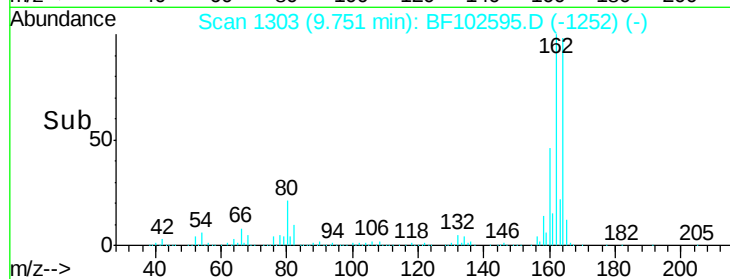
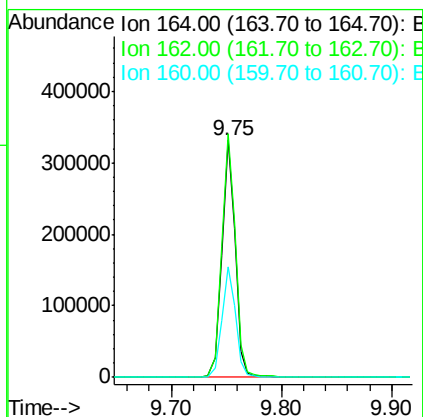
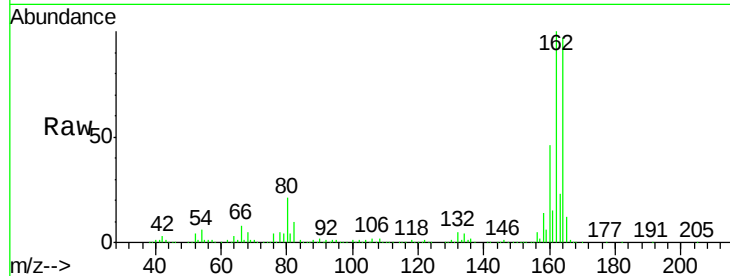
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	281630		
162	102.7	86.1	129.1	
160	46.7	38.3	57.5	

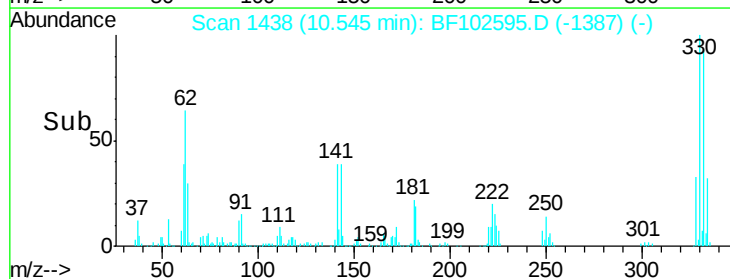
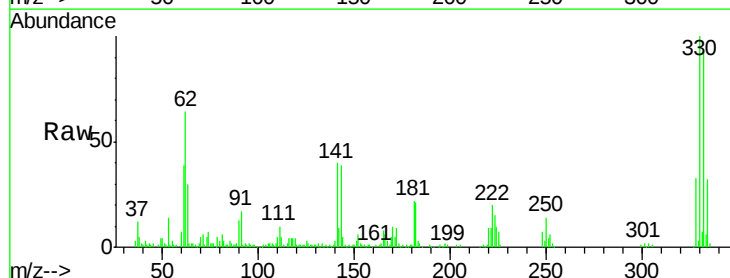
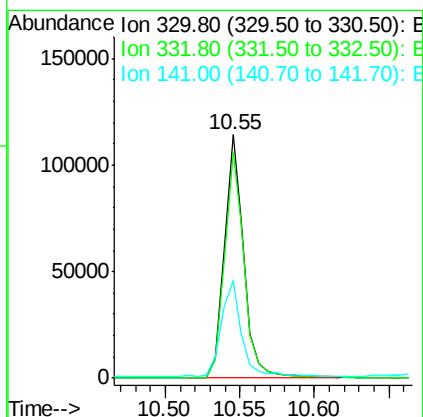
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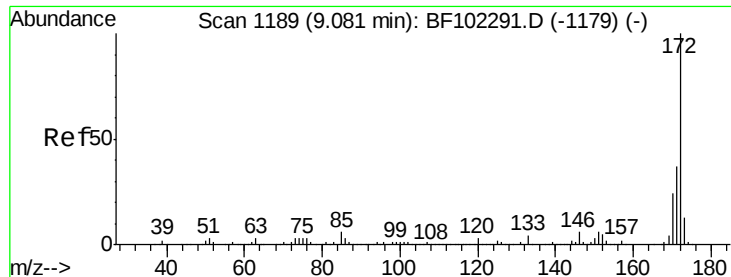
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#41
 2,4,6-Tribromophenol
 Concen: 37.930 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	105845		
332	94.7	77.0	115.6	
141	41.0	29.9	44.9	





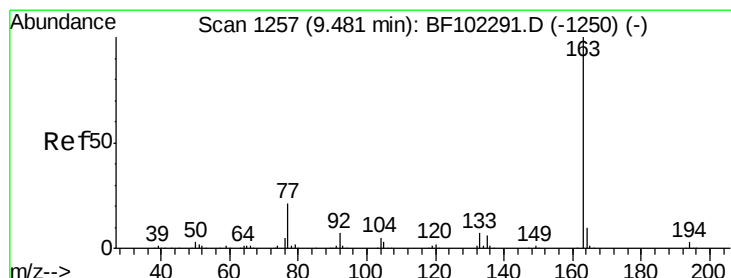
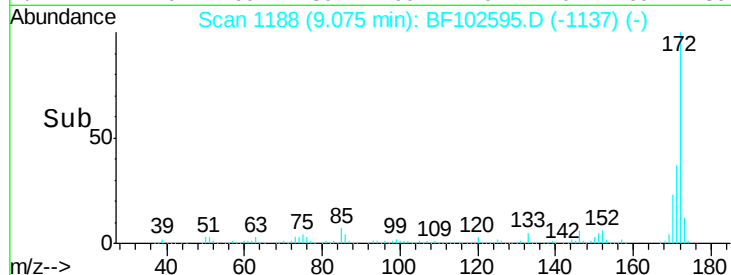
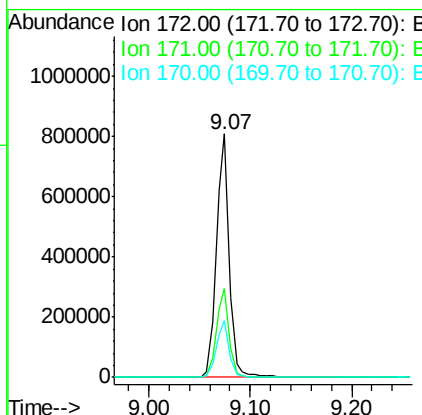
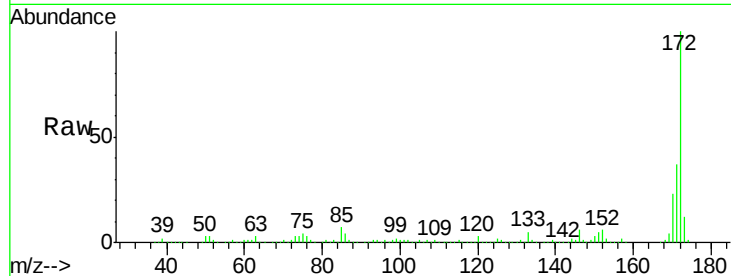
#44
2-Fluorobiphenyl
Concen: 37.106 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampled :
WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	710725		
171	36.5		29.7	44.5
170	23.1		19.6	29.4

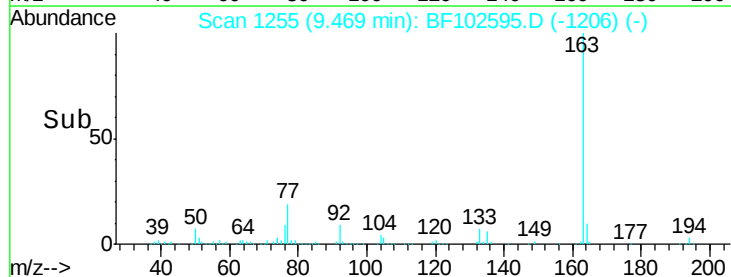
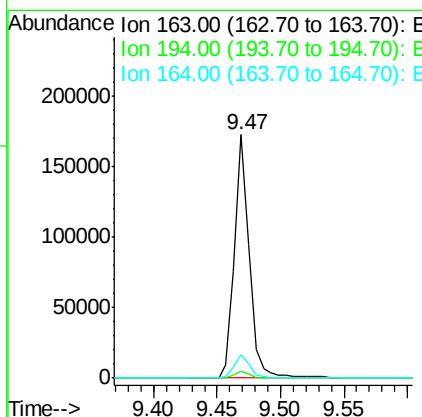
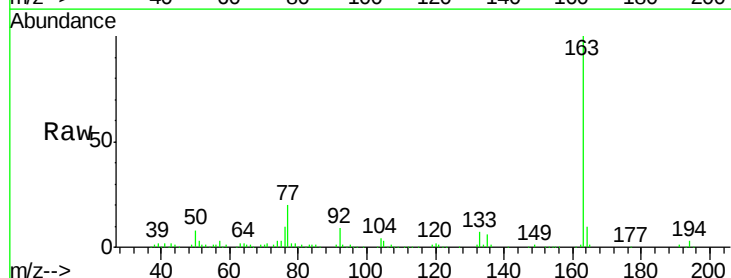
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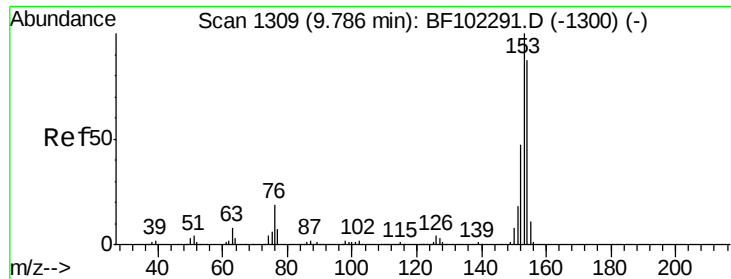
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#49
Dimethylphthalate
Concen: 5.987 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	139368		
194	3.0		2.7	4.1
164	9.7		8.2	12.2





#51

Acenaphthene

Concen: 6.864 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

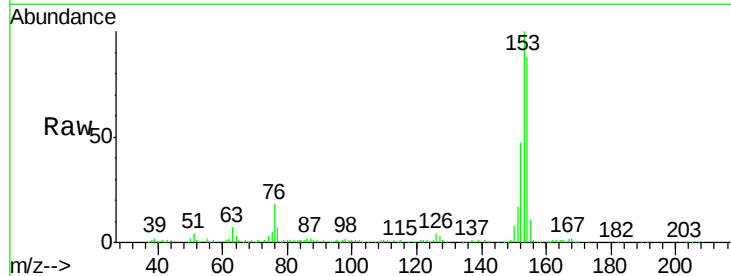
ClientSampleId :

WC-08(5-15)

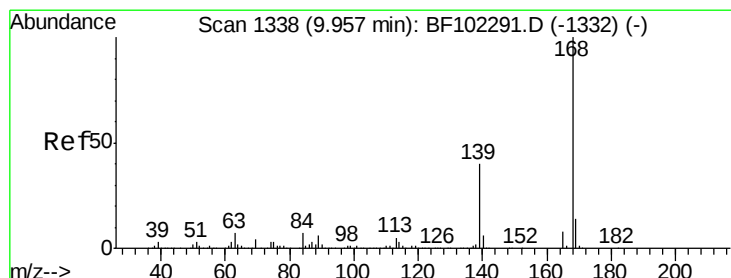
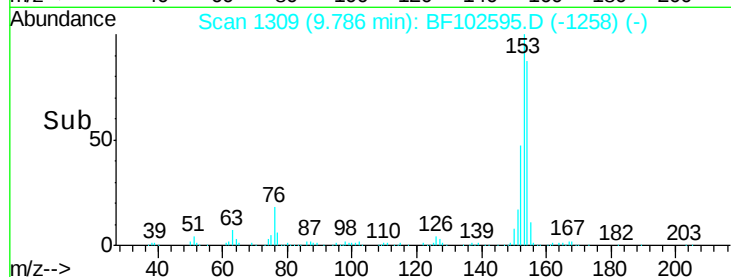
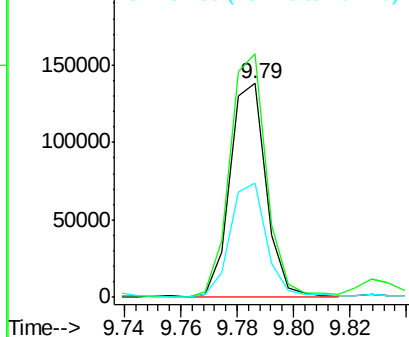
Tgt Ion:	154	Resp:	122254
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.2	136.8
152	53.7	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.523 ng

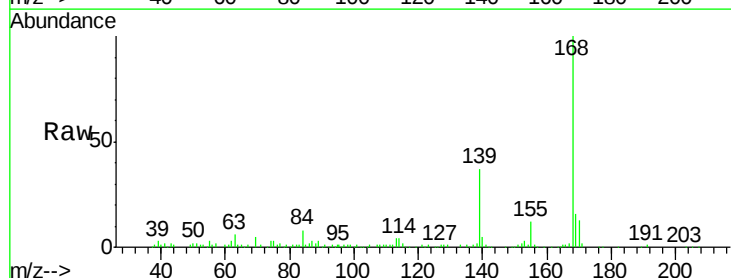
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

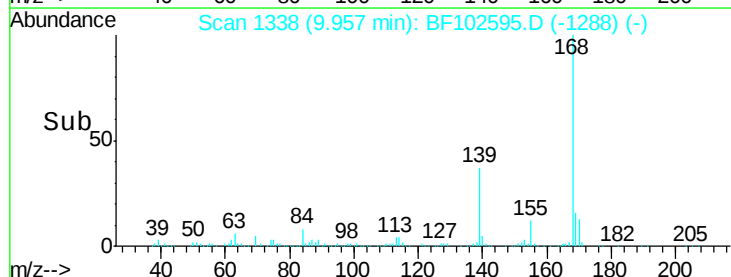
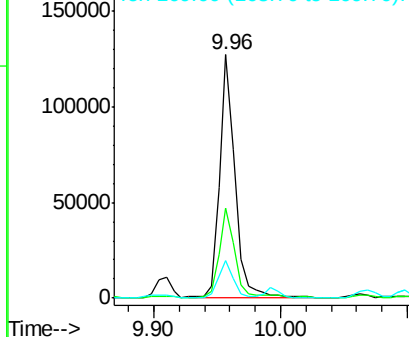
Lab File: BF102595.D

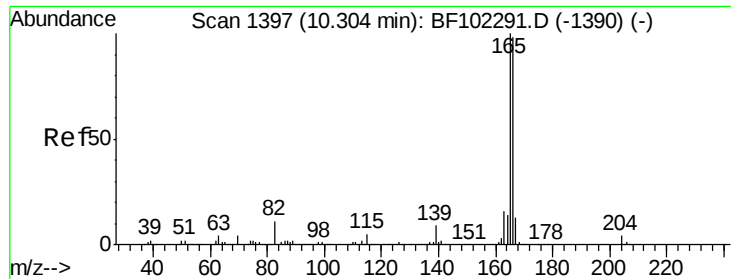
Acq: 29 Jan 2018 14:09

Tgt Ion:	168	Resp:	109009
Ion Ratio	Lower	Upper	
168	100		
139	36.7	30.1	45.1
169	15.5	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





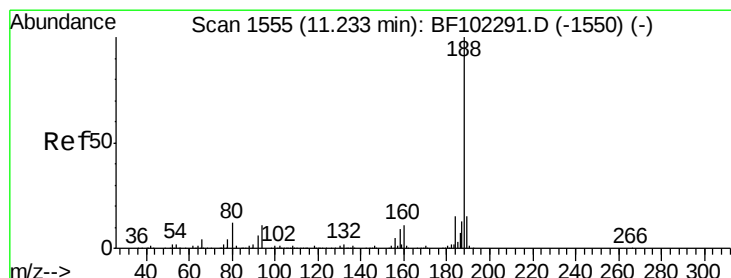
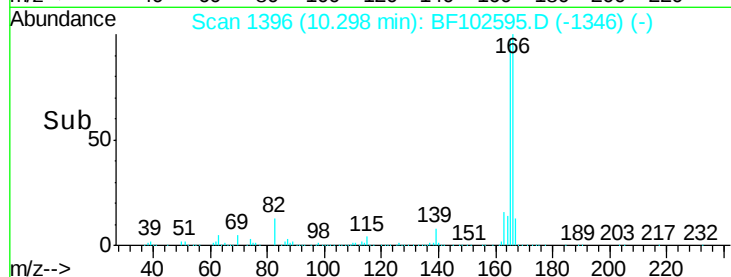
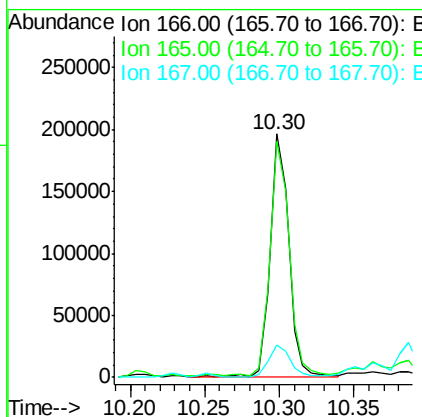
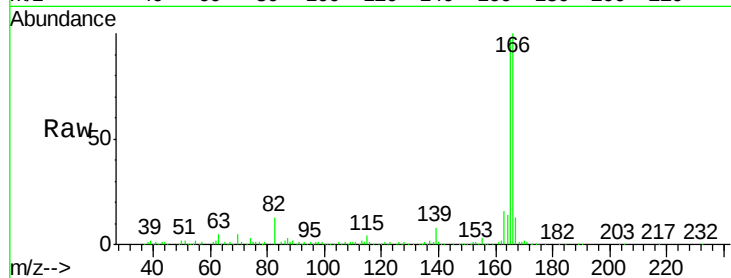
#57
 Fluorene
 Concen: 8.819 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	168446		
165	96.8	79.8	119.8	
167	13.3	10.6	16.0	

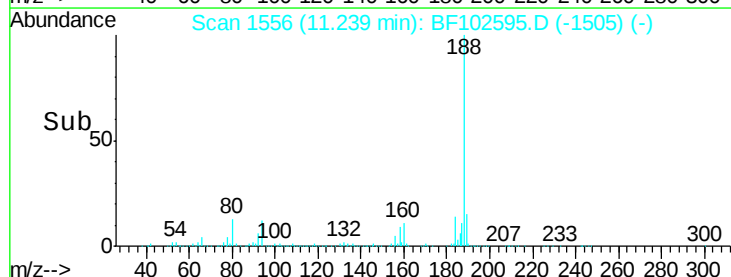
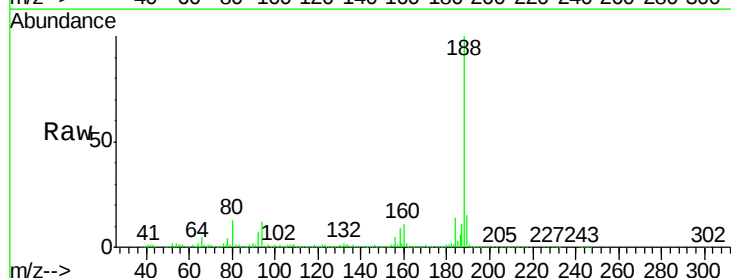
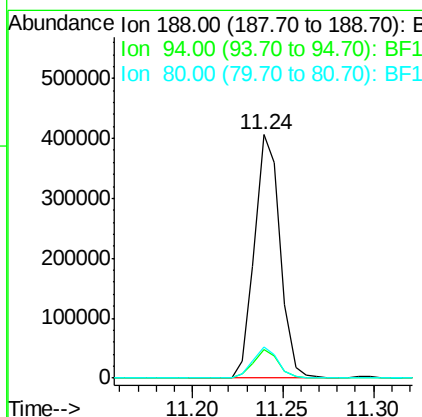
Manual Integrations
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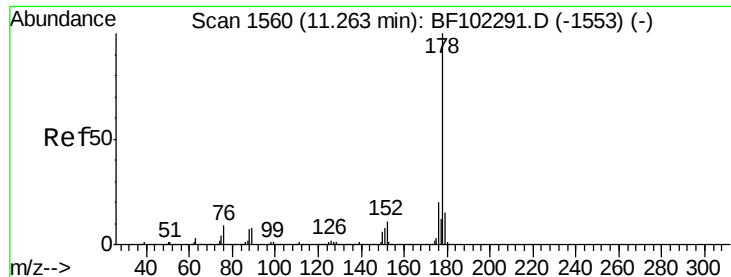
Sohil
 1/30/2018 3:36:30 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102595.D
 Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	400147		
94	11.9	8.5	12.7	
80	13.0	9.2	13.8	





#70

Phenanthrene

Concen: 63.317 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

ClientSampled :

WC-08(5-15)

Tgt Ion:178 Resp: 1476390

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

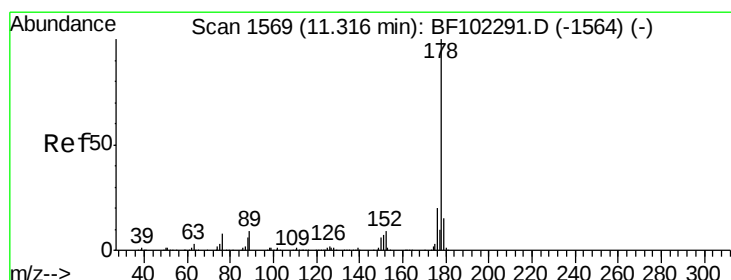
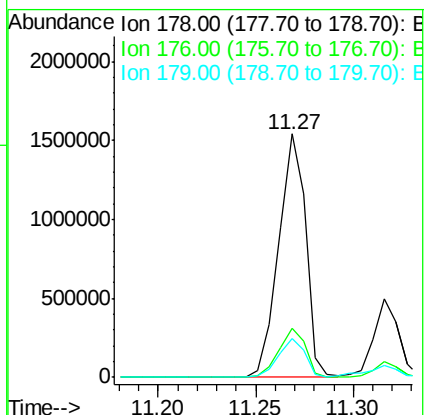
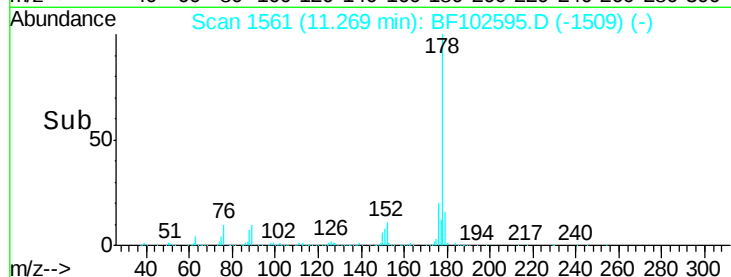
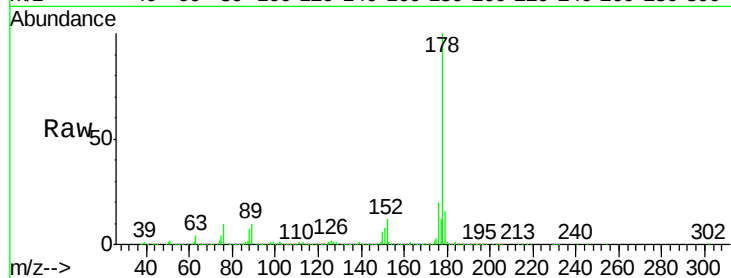
179 15.7 13.0 19.6

Manual Integrations

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1/30/2018 3:36:30 PM



#71

Anthracene

Concen: 17.606 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

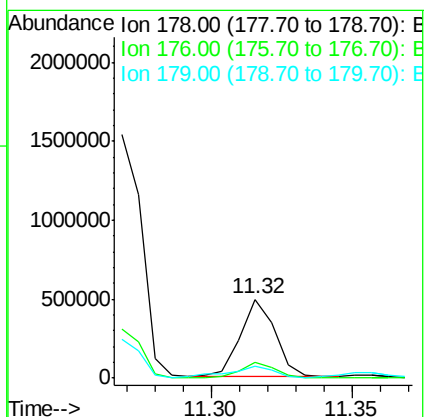
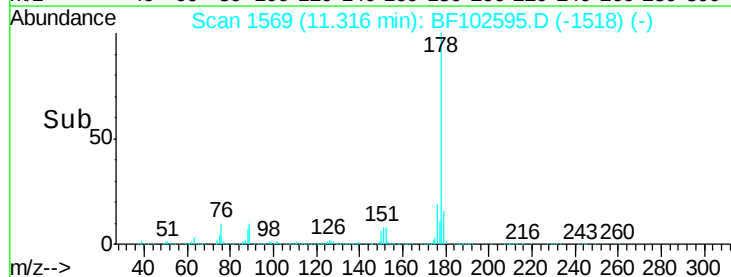
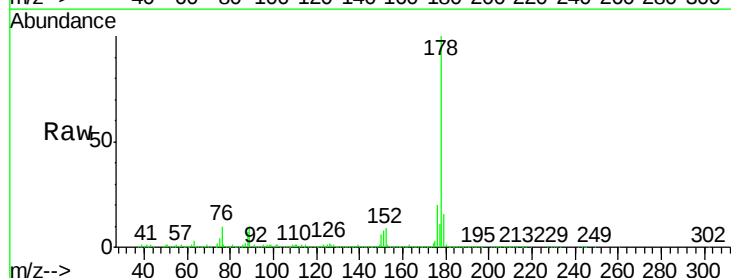
Tgt Ion:178 Resp: 419027

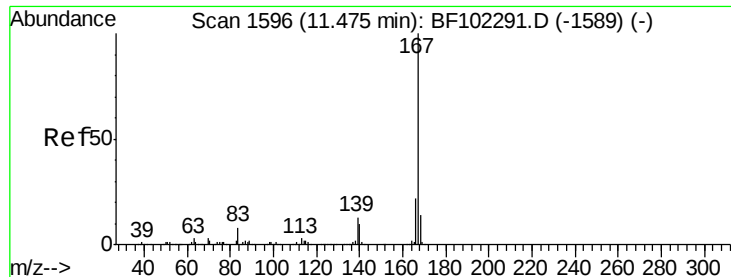
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.8 12.6 19.0





#72

Carbazole

Concen: 7.119 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

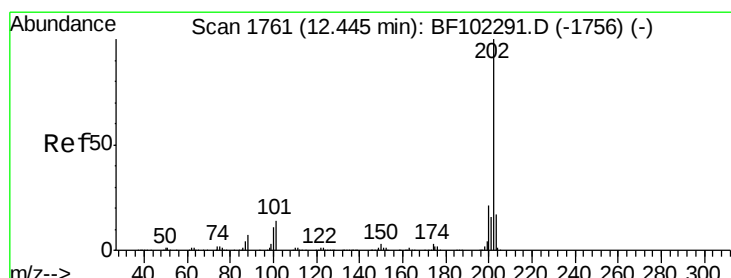
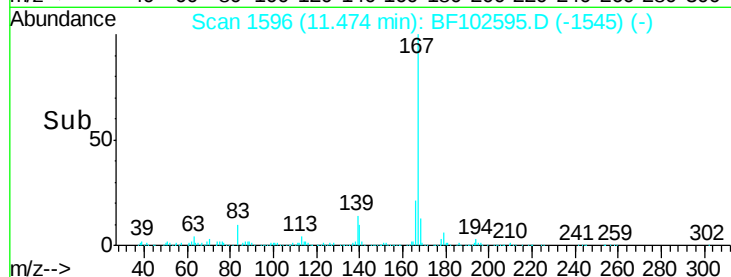
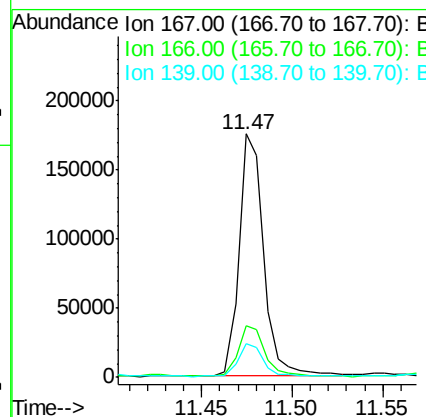
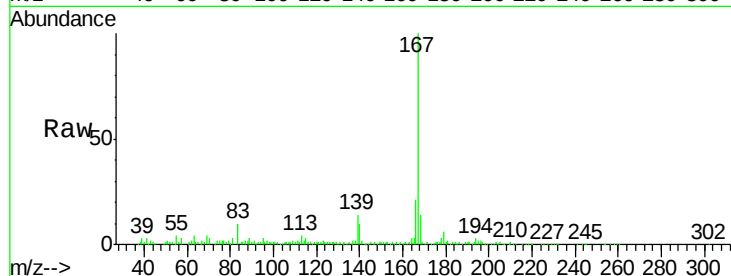
ClientSampleId :

WC-08(5-15)

Tgt Ion:	167	Resp:	165286
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.6	26.4
139	13.9	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 61.250 ng

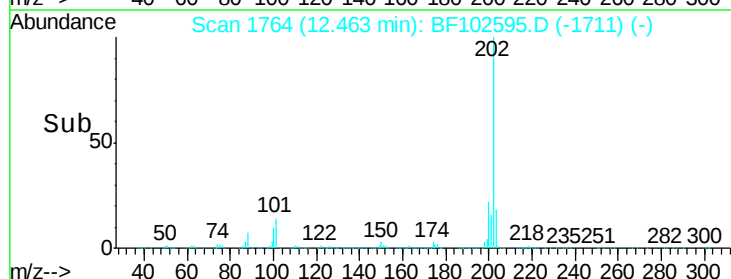
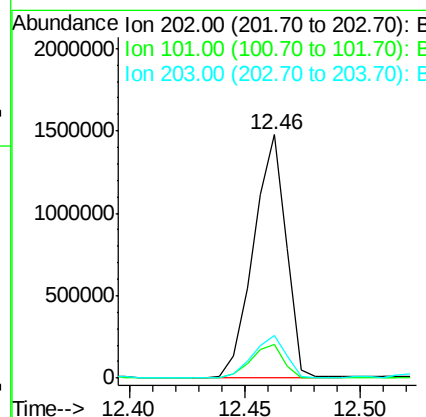
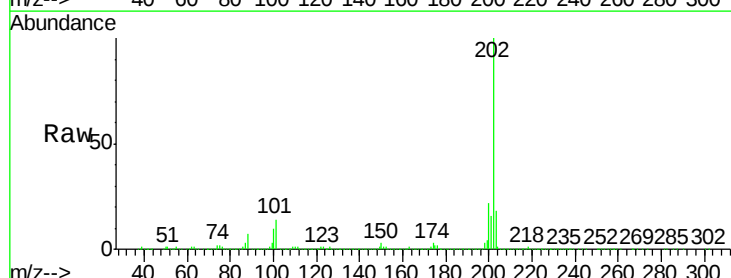
RT: 12.46 min Scan# 1764

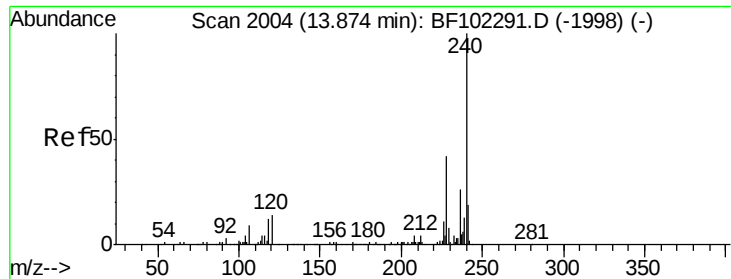
Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion:	202	Resp:	1456411
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

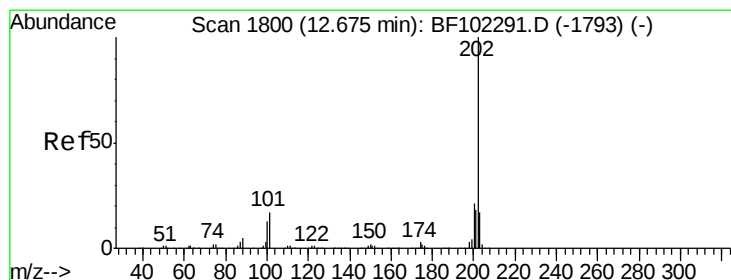
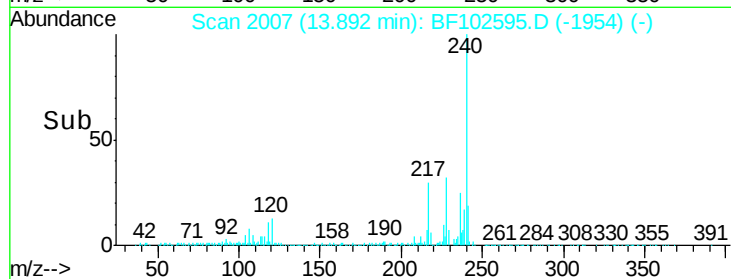
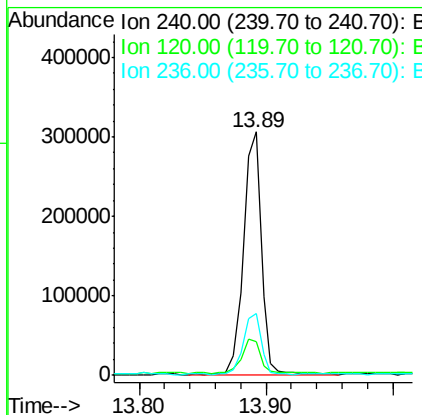
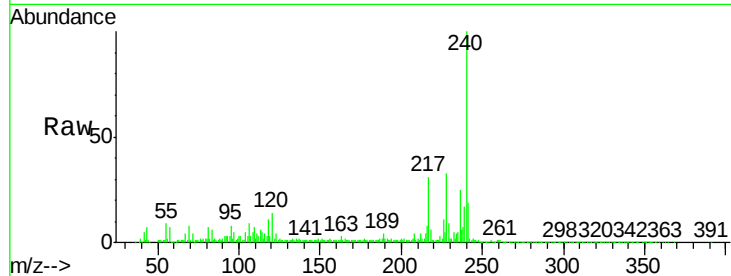
ClientSampleId :

WC-08(5-15)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	294823		
120	13.9	9.5	14.3	
236	25.5	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 64.854 ng

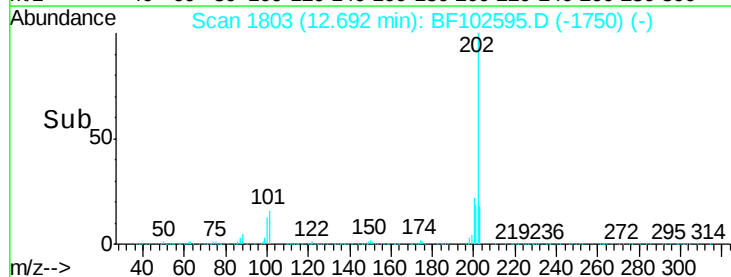
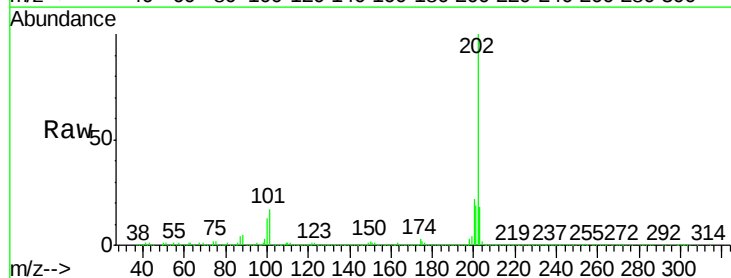
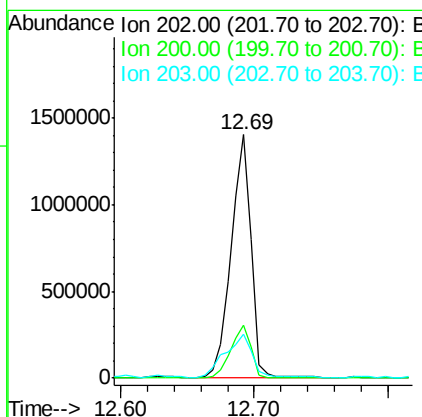
RT: 12.69 min Scan# 1803

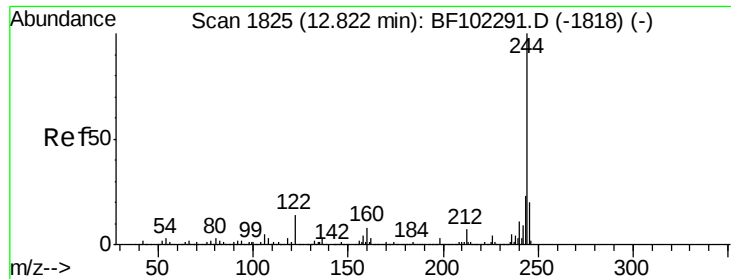
Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1478327		
200	21.8	17.4	26.2	
203	18.3	14.3	21.5	





#78

Terphenyl-d14

Concen: 35.569 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

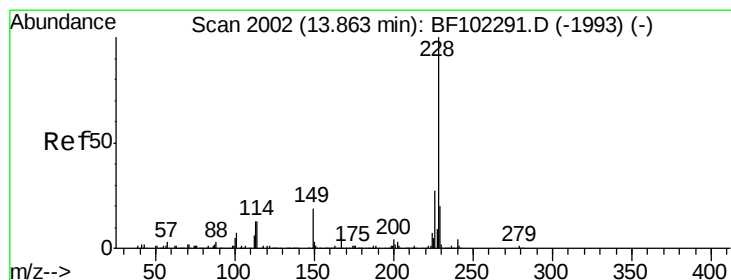
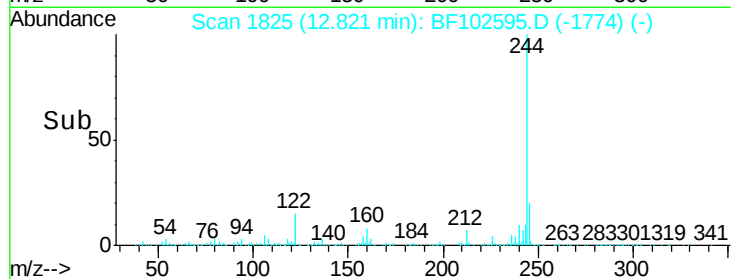
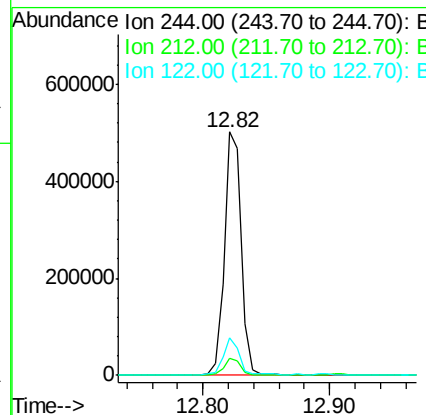
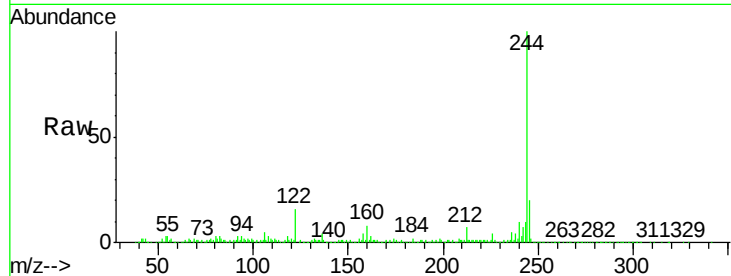
ClientSampleId :

WC-08(5-15)

Tgt Ion:	244	Resp:	465169
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	15.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 37.145 ng

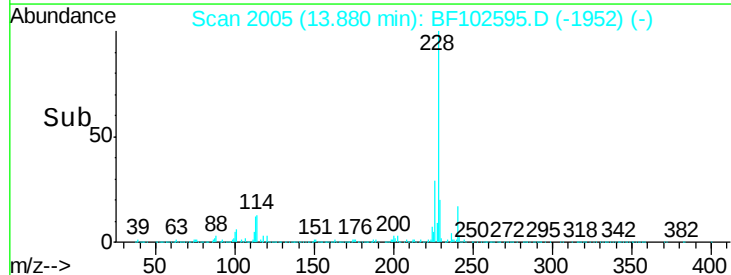
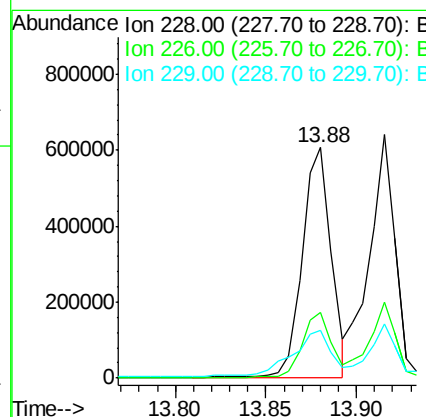
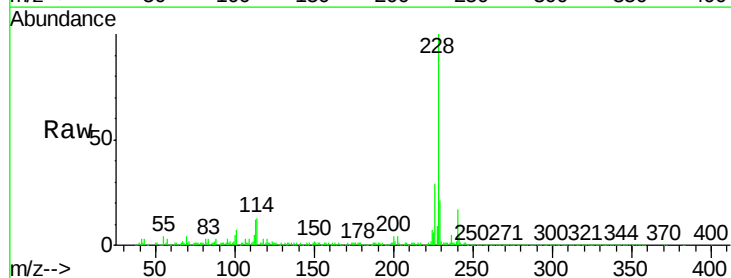
RT: 13.88 min Scan# 2005

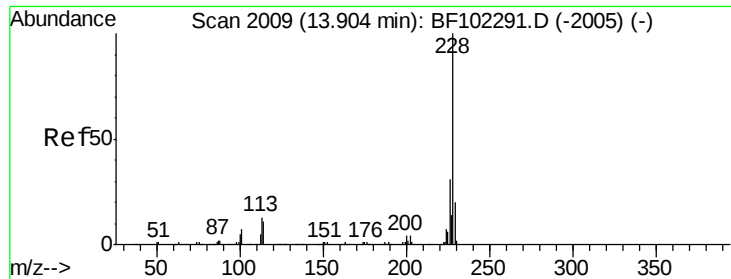
Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Tgt Ion:	228	Resp:	674237
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 34.834 ng m

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

Instrument :

BNA_F

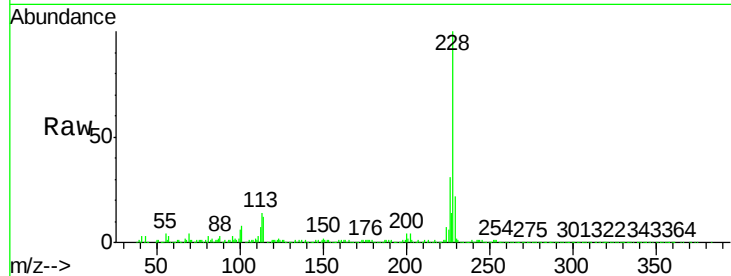
ClientSampled :

WC-08(5-15)

Tgt Ion:	228	Resp:	642073
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.4	16.2	24.4

Manual Integrations
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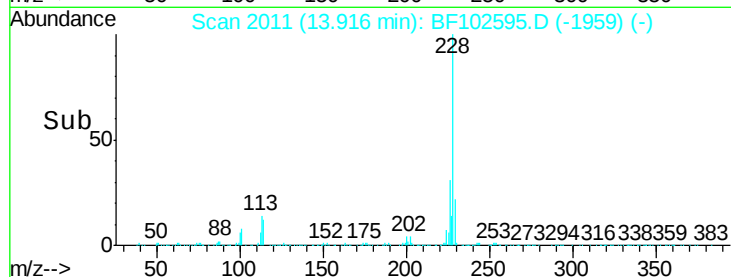
Sohil
1/30/2018 3:36:30 PM



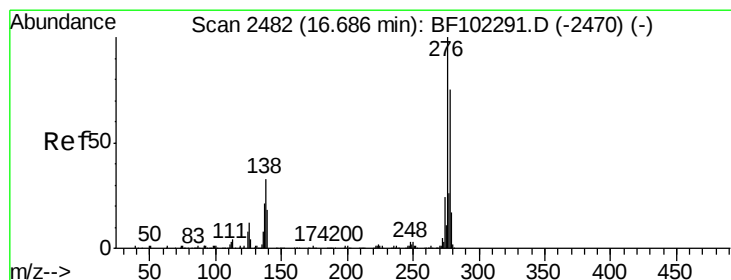
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

13.92

13.90 13.95



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.573 ng

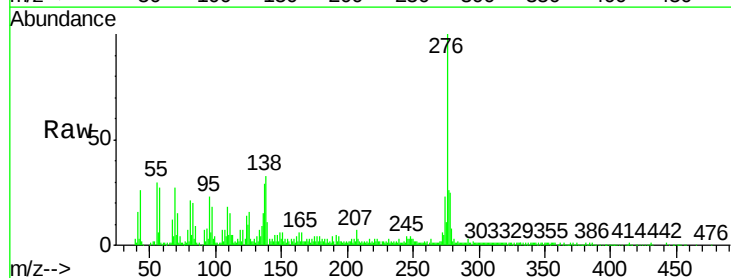
RT: 16.74 min Scan# 2492

Delta R.T. 0.04 min

Lab File: BF102595.D

Acq: 29 Jan 2018 14:09

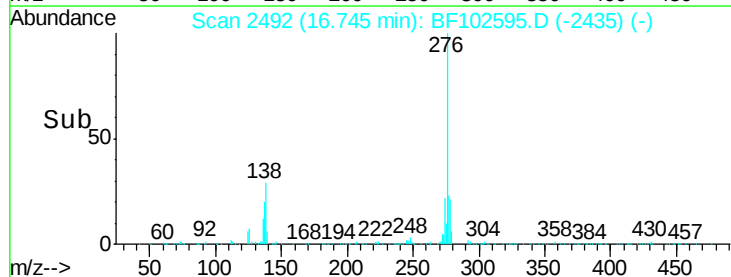
Tgt Ion:	276	Resp:	206618
Ion Ratio	Lower	Upper	
276	100		
138	28.6	25.0	37.6
277	25.2	20.1	30.1



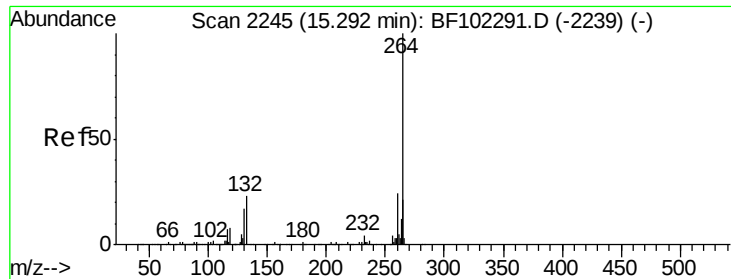
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

16.74

16.70 16.75 16.80



Time-->



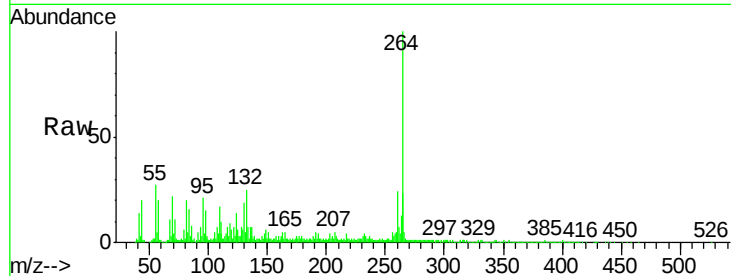
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :
WC-08(5-15)

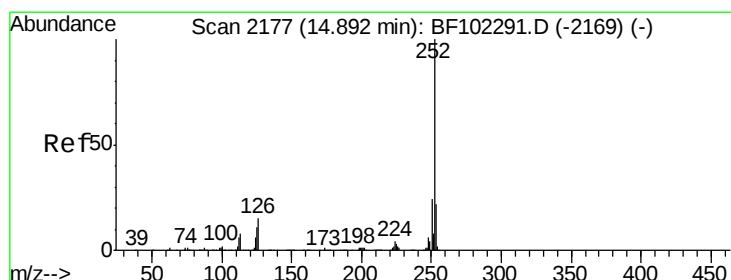
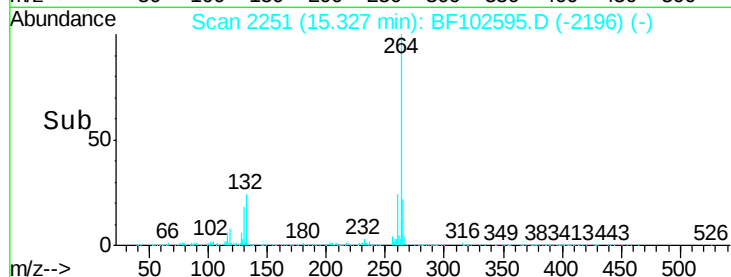
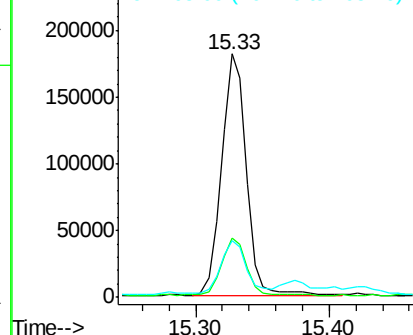
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.3	17.5	26.3

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1/30/2018 3:36:30 PM

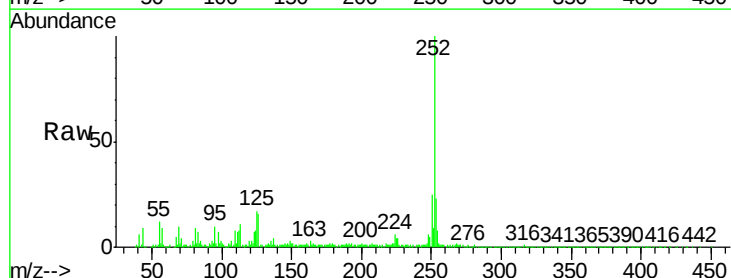


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

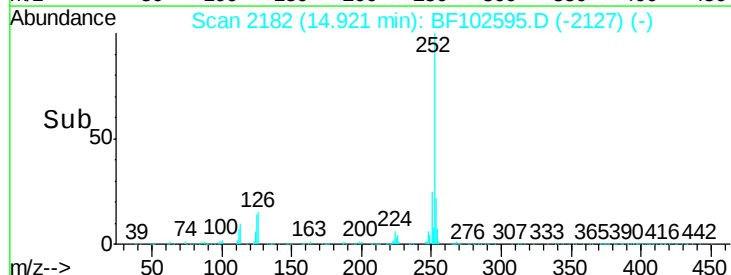
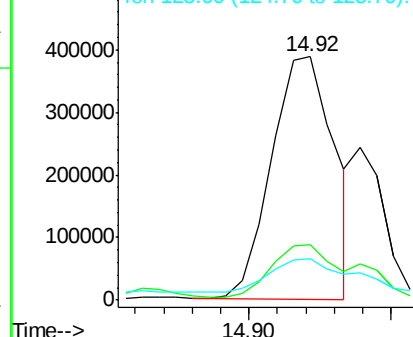


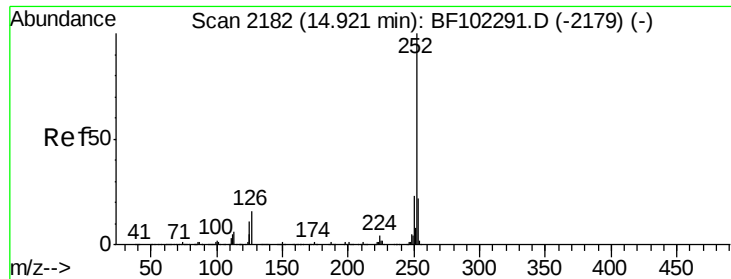
#87
Benzo(b)fluoranthene
Concen: 38.350 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.9	9.0	13.6



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





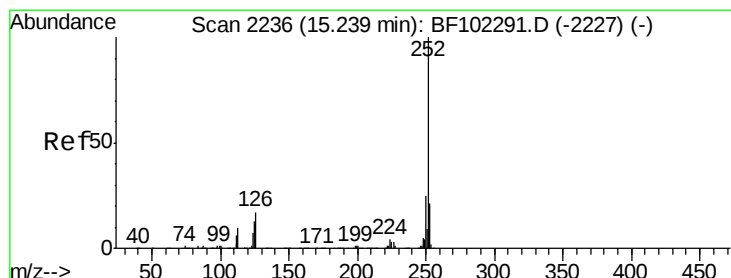
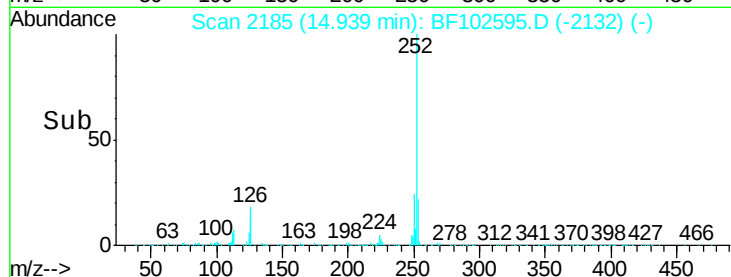
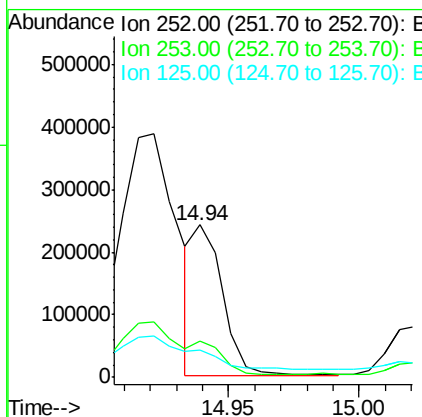
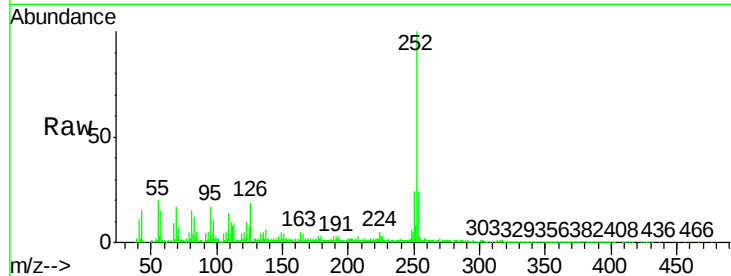
#88
Benzo(k)fluoranthene
Concen: 13.162 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampled :
WC-08(5-15)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	18.2	10.2	15.2

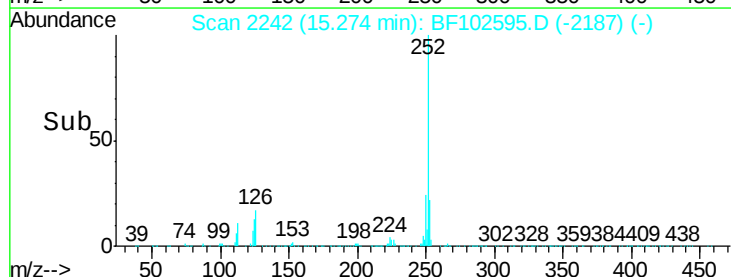
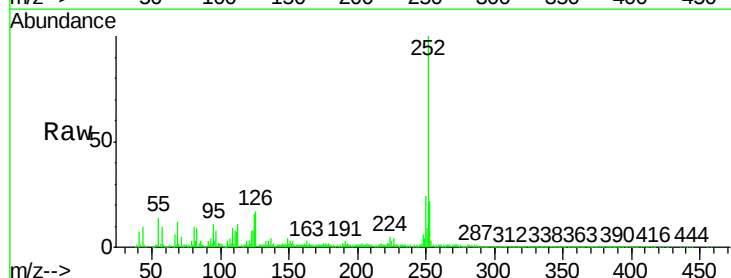
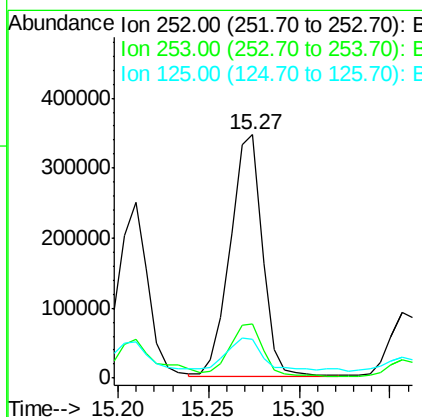
Manual Integrations
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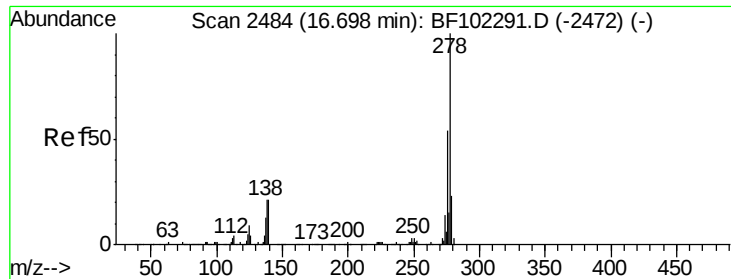
Sohil
1/30/2018 3:36:30 PM



#89
Benzo(a)pyrene
Concen: 30.883 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.7	9.8	14.6





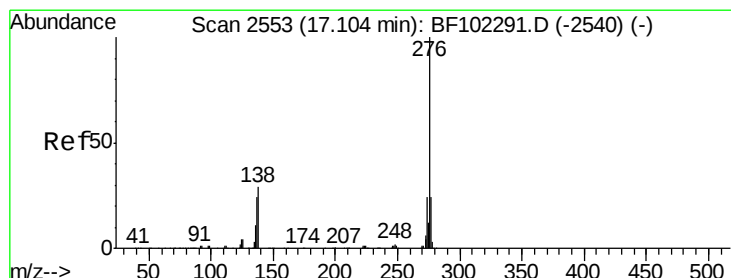
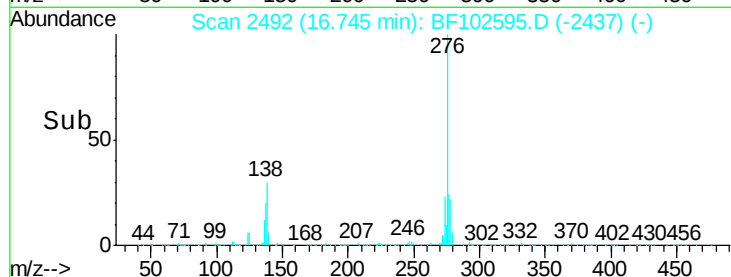
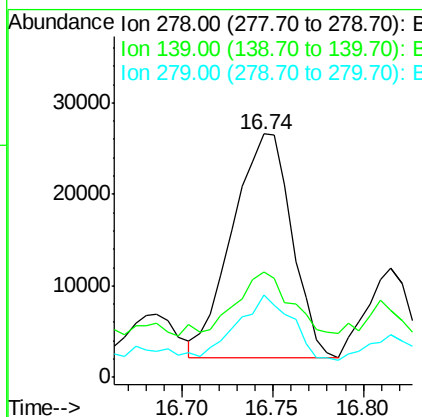
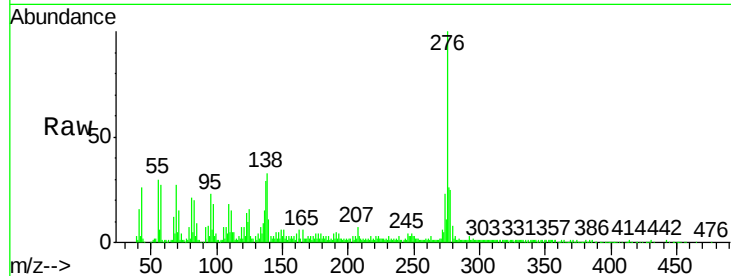
#90
Dibenzo(a,h)anthracene
Concen: 4.966 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.02 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Instrument :
BNA_F
ClientSampleId :
WC-08(5-15)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.3	15.9	23.9#
279	33.8	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/30/2018 3:36:30 PM



#91
Benzo(g,h,i)perylene
Concen: 19.129 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.04 min
Lab File: BF102595.D
Acq: 29 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	29.6	21.8	32.8

