

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096015.D
 Acq On : 19 Jun 2017 20:01
 Operator : SJ/MA
 Sample : I3696-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

Manual Integrations
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Quant Time: Jun 20 03:00:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	80238	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	325906	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	139827	20.00	ng	-0.02
63) Phenanthrene-d10	14.54	188	225561	20.00	ng	-0.02
75) Chrysene-d12	18.27	240	139552	20.00	ng	-0.02
86) Perylene-d12	19.94	264	140775	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	579696	115.12	ng	-0.02
7) Phenol-d6	6.87	99	715924	118.76	ng	-0.04
23) Nitrobenzene-d5	8.23	82	416034	79.28	ng	-0.02
41) 2,4,6-Tribromophenol	13.45	330	127926	103.40	ng	-0.03
44) 2-Fluorobiphenyl	11.12	172	718461	71.50	ng	-0.02
78) Terphenyl-d14	16.93	244	438652	78.01	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	11.82	163	217238	20.46	ng	98
51) Acenaphthene	12.21	154	56569	6.36	ng	98
54) Dibenzofuran	12.51	168	59976	4.79	ng	94
57) Fluorene	13.05	166	82305	7.56	ng	99
70) Phenanthrene	14.59	178	362376	27.84	ng	97
71) Anthracene	14.68	178	76844m	5.66	ng	
72) Carbazole	14.99	167	48200	3.64	ng	# 96
74) Fluoranthene	16.37	202	336868	26.15	ng	98
77) Pyrene	16.67	202	259311	24.90	ng	# 94
80) Benzo(a)anthracene	18.26	228	80977	9.98	ng	99
82) Chrysene	18.32	228	69867	8.62	ng	96
83) Bis(2-ethylhexyl)phthalate	18.34	149	23109	3.60	ng	98
84) Di-n-octyl phthalate	19.17	149	30224m	2.86	ng	
85) Indeno(1,2,3-cd)pyrene	21.13	276	31282	4.51	ng	# 92
87) Benzo(b)fluoranthene	19.54	252	93689	10.63	ng	# 96
88) Benzo(k)fluoranthene	19.58	252	33905m	4.02	ng	
89) Benzo(a)pyrene	19.90	252	58346	7.20	ng	97
91) Benzo(g,h,i)perylene	21.46	276	25640	3.66	ng	97

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

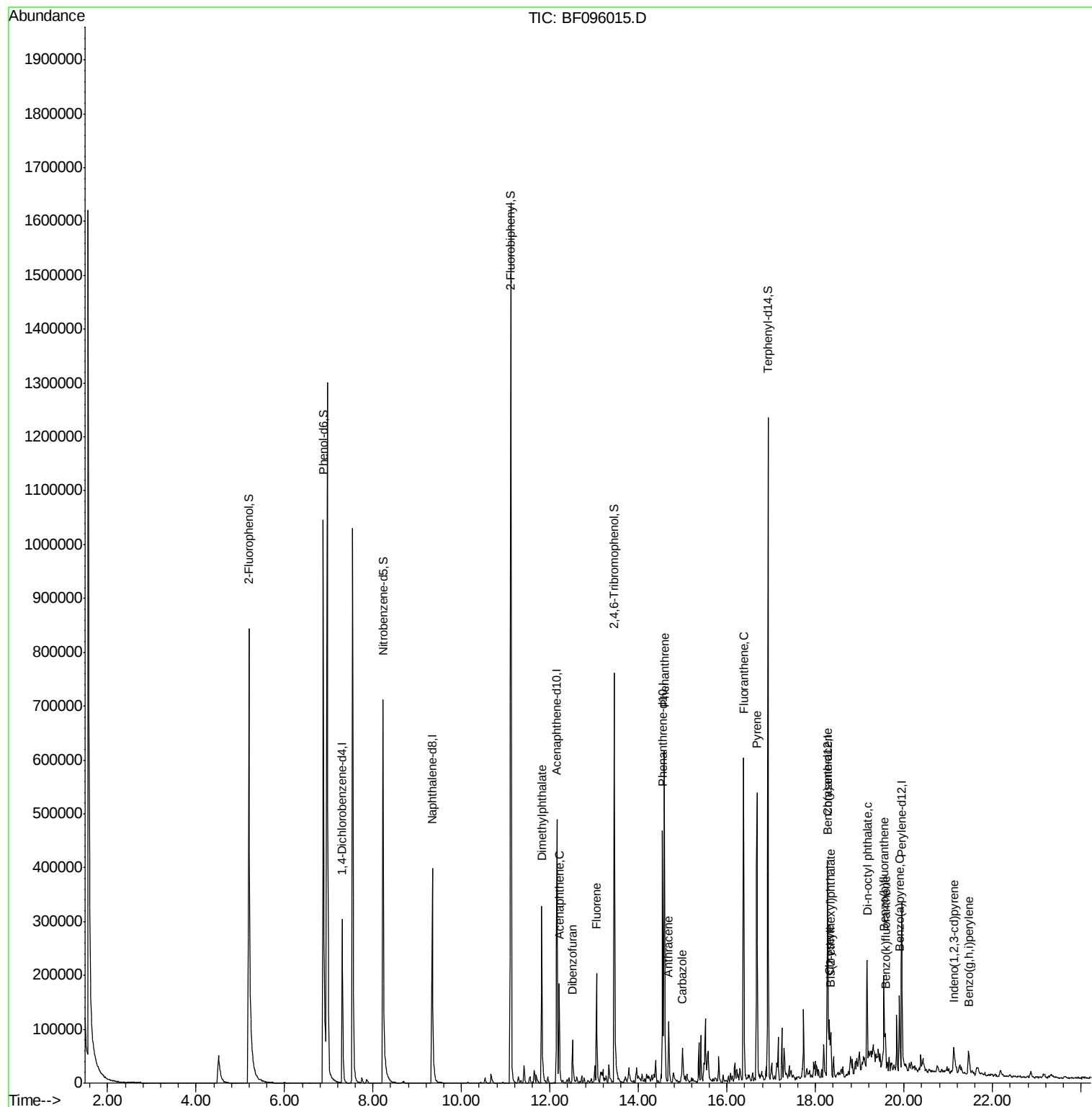
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096015.D
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ALS Vial : 18 Sample Multiplier: 1

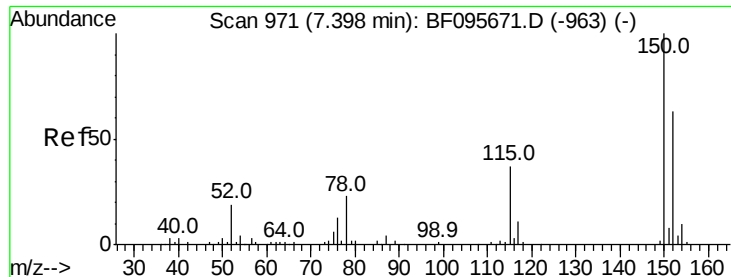
Instrument :
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NB-RO-72-11935

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Quant Time: Jun 20 03:00:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

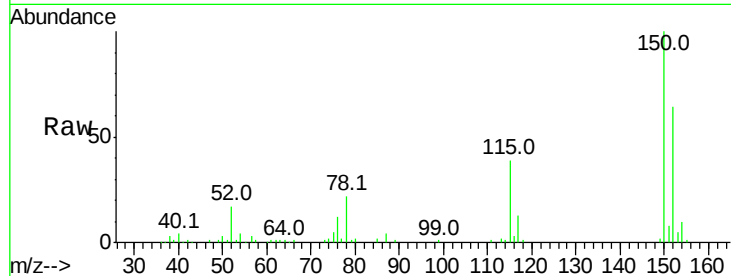
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

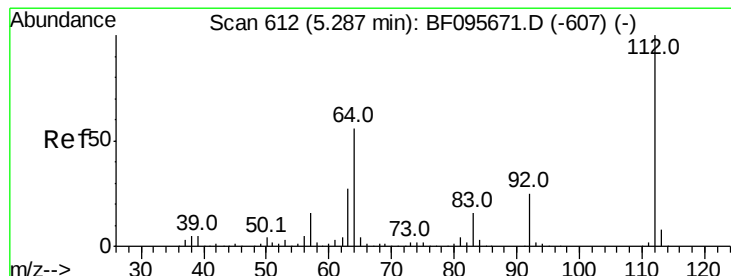
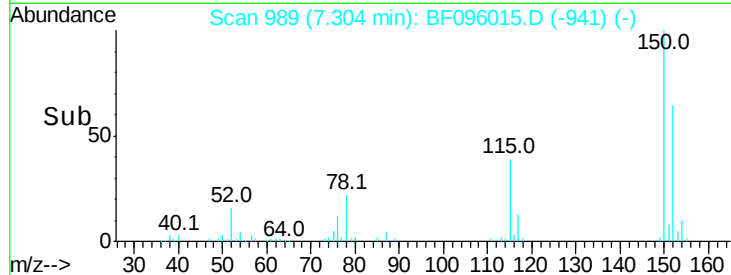
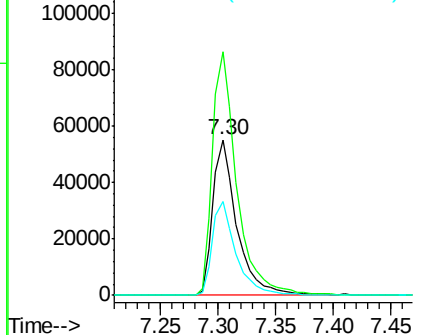
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	60.4	52.2	78.2

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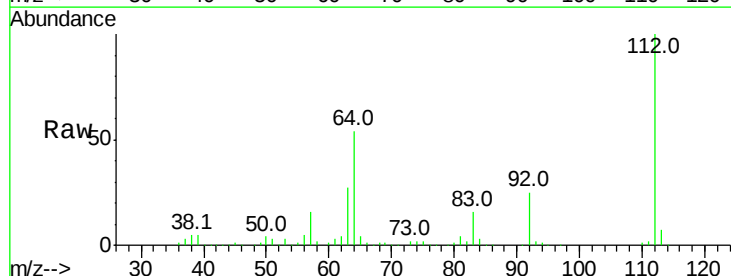
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



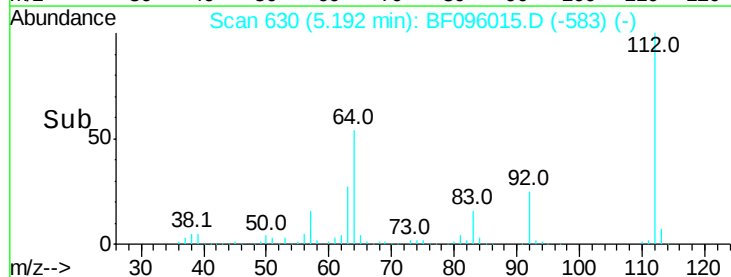
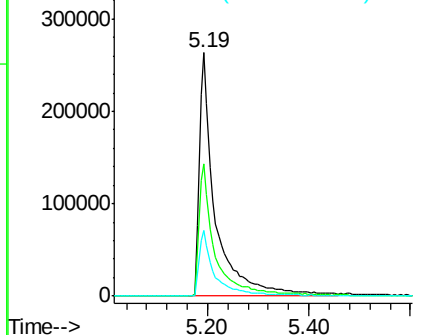
#5

2-Fluorophenol
Concen: 115.12 ng
RT: 5.19 min Scan# 630
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	26.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.76 ng

RT: 6.87 min Scan# 916

Delta R.T. -0.04 min

Lab File: BF096015.D

Acq: 19 Jun 2017 20:01

Instrument :

BNA_F

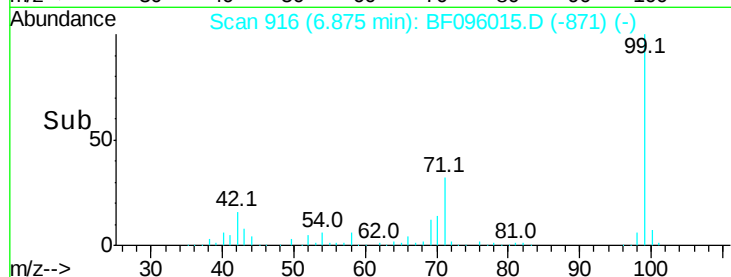
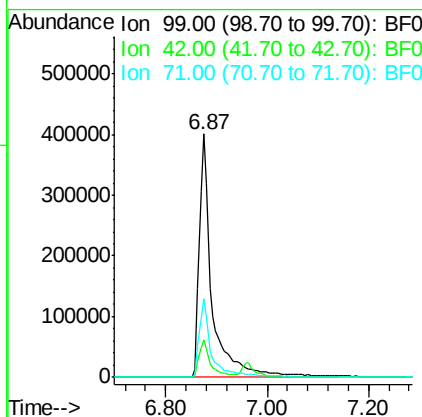
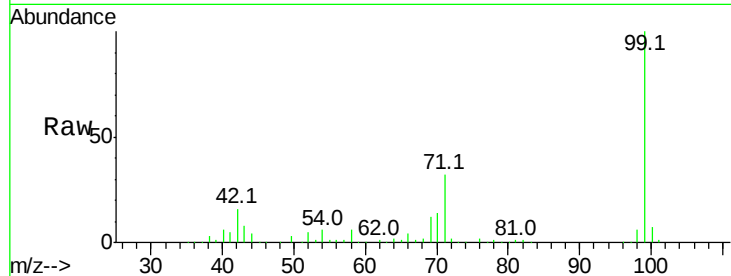
ClientSampleId :

NB-RO-72-11935

Tot Ion:	99	Resp:	715924
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	32.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

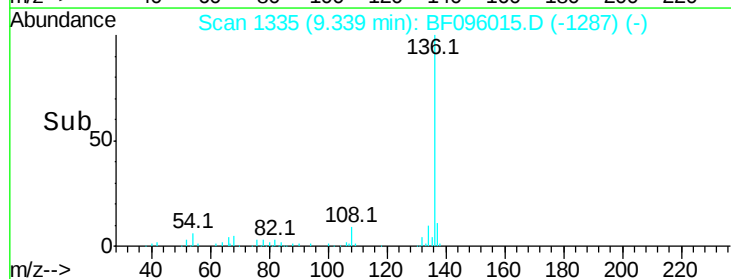
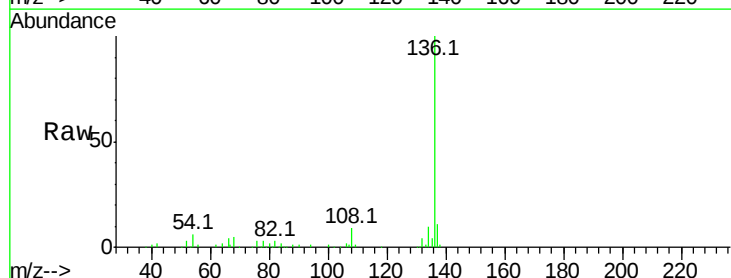
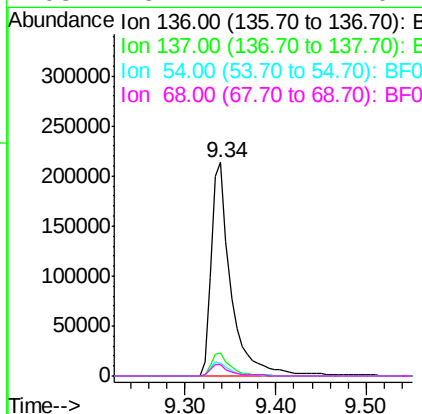
RT: 9.34 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF096015.D

Acq: 19 Jun 2017 20:01

Tgt Ion:	136	Resp:	325906
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.2	4.9	7.3
68	5.2	4.1	6.1





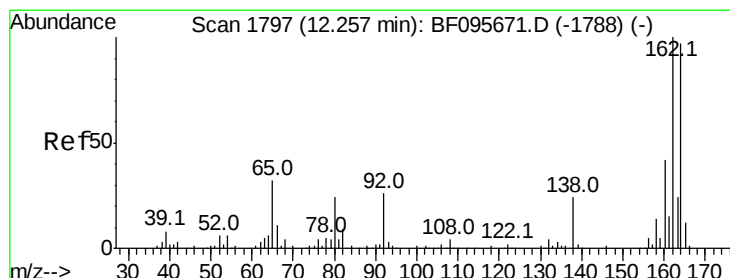
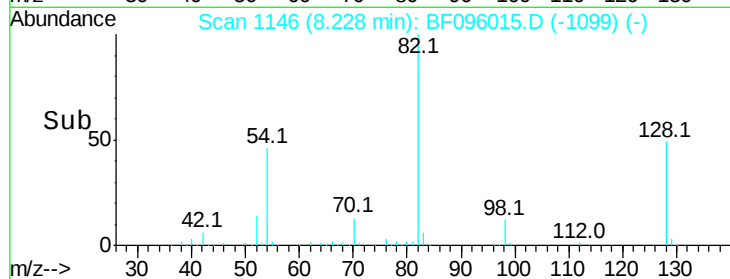
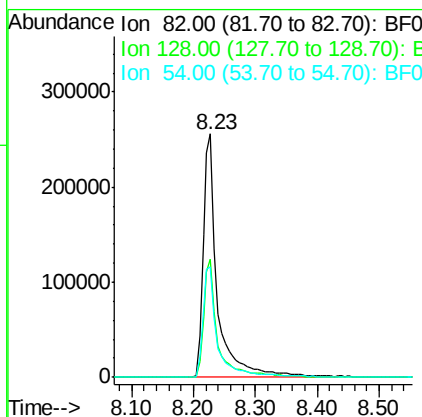
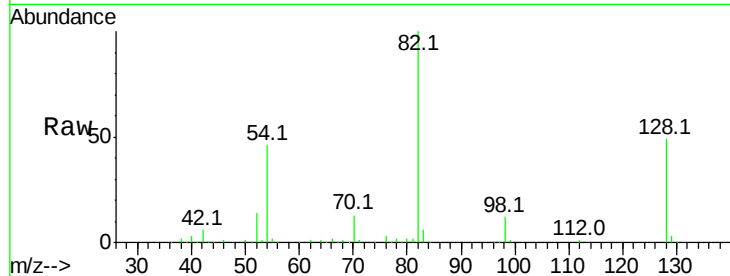
#23
 Nitrobenzene-d5
 Concen: 79.28 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.0	51.0
54	45.6	42.2	63.2

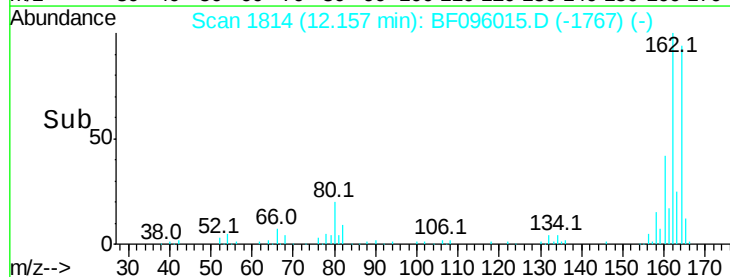
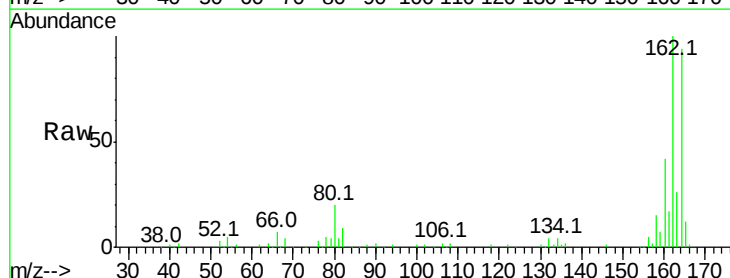
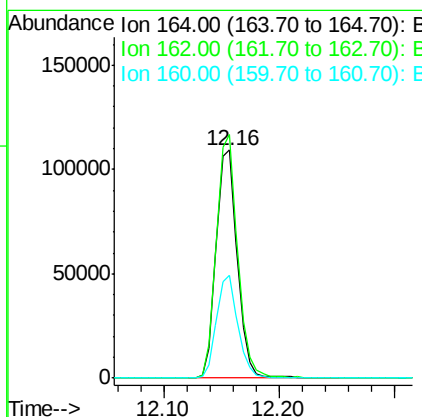
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.16 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	123.8
160	45.0	36.2	54.2





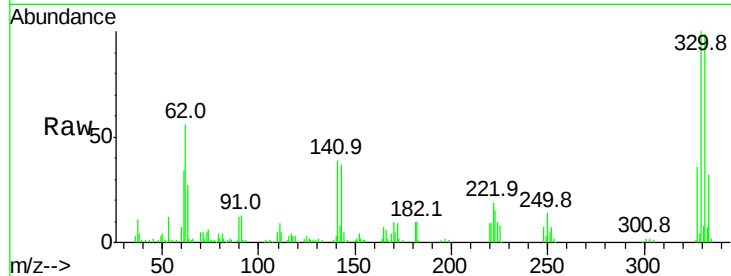
#41
 2,4,6-Tribromophenol
 Concen: 103.40 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. -0.03 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

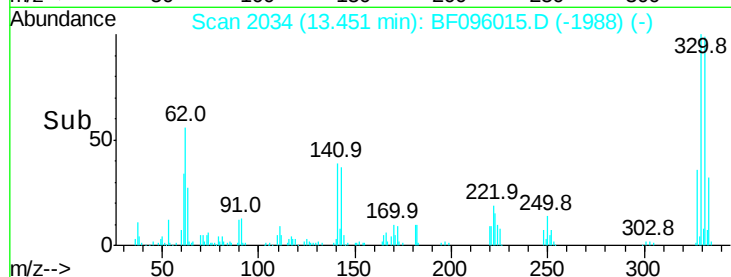
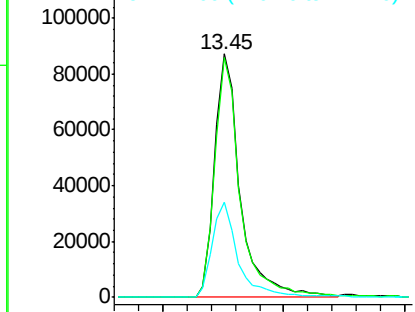
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.6	115.0	
141	39.8	31.4	47.2	

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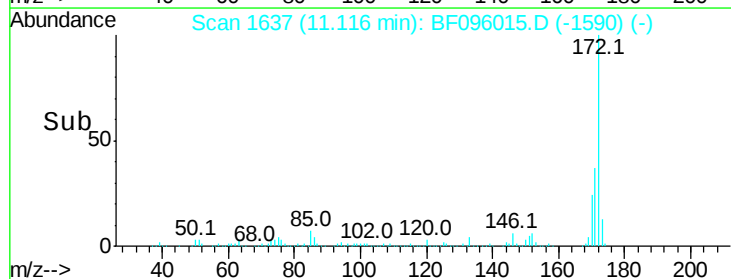
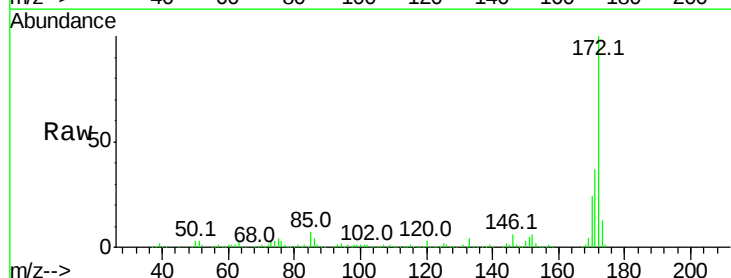
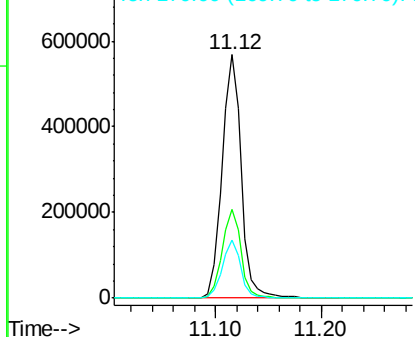
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

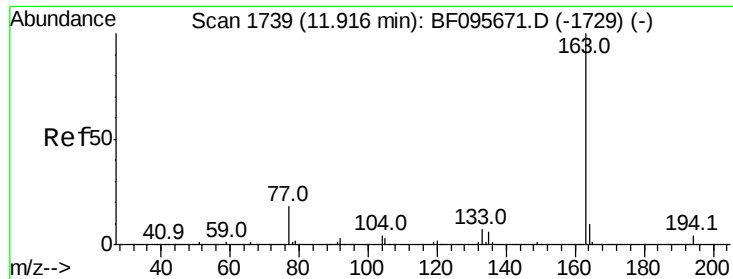


#44
 2-Fluorobiphenyl
 Concen: 71.50 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	29.6	44.4	
170	23.8	19.8	29.8	

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





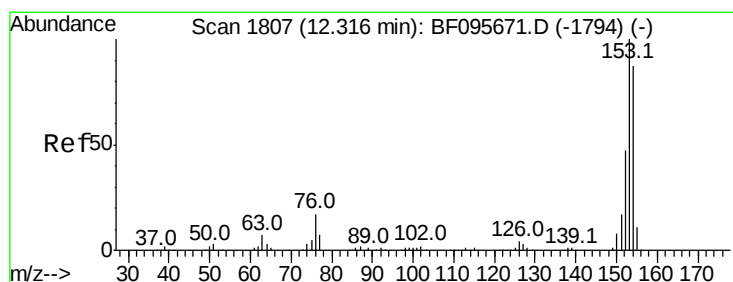
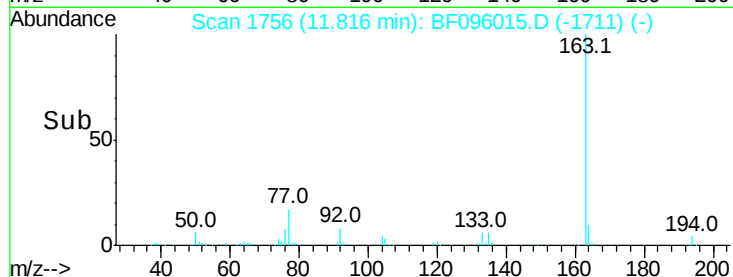
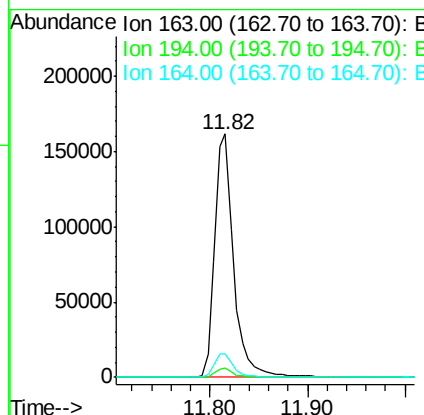
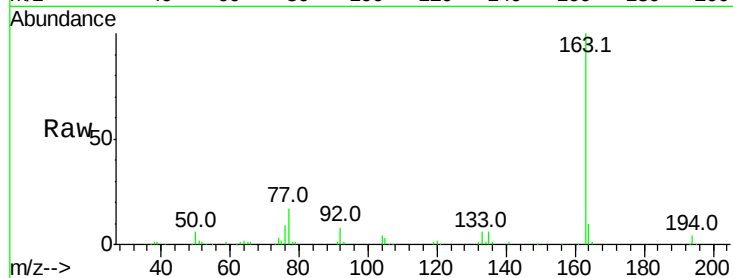
#49
Dimethylphthalate
Concen: 20.46 ng
RT: 11.82 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

Tot Ion	Ratio	Resp	Lower	Upper
163	100	217238		
194	3.7	2.6	4.0	
164	9.6	8.4	12.6	

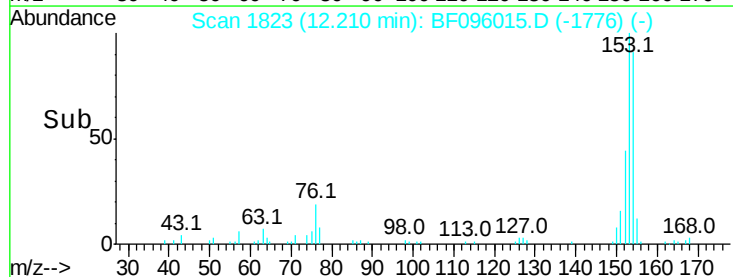
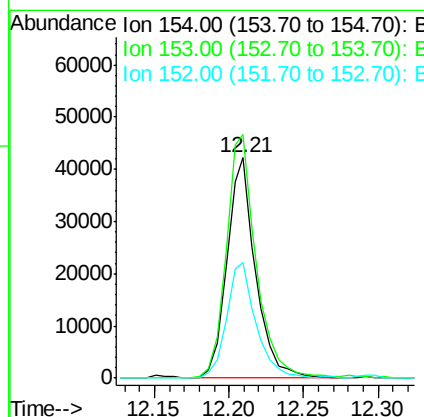
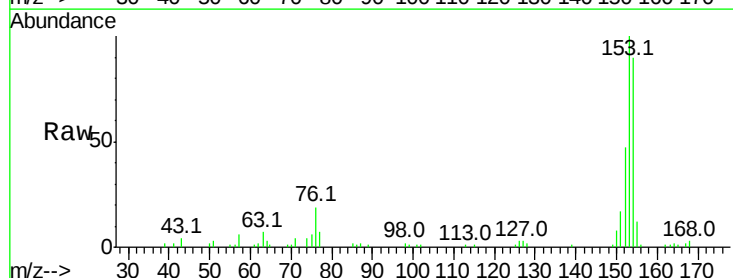
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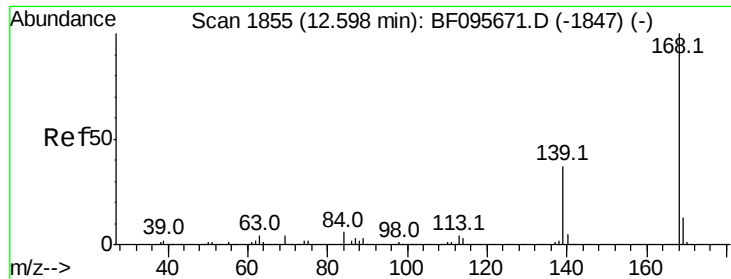
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#51
Acenaphthene
Concen: 6.36 ng
RT: 12.21 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	56569		
153	110.7	90.5	135.7	
152	52.4	43.6	65.4	





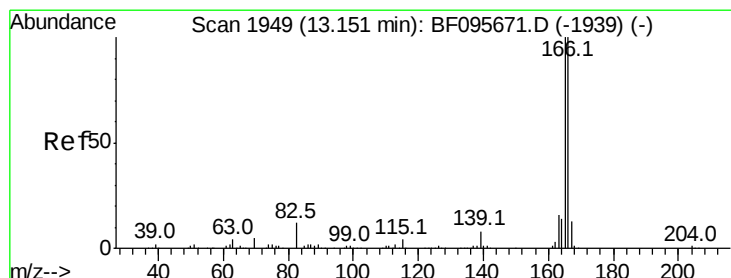
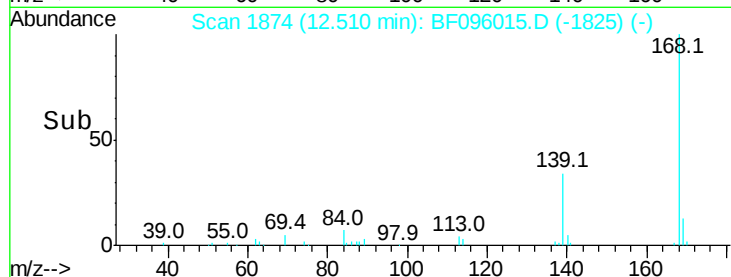
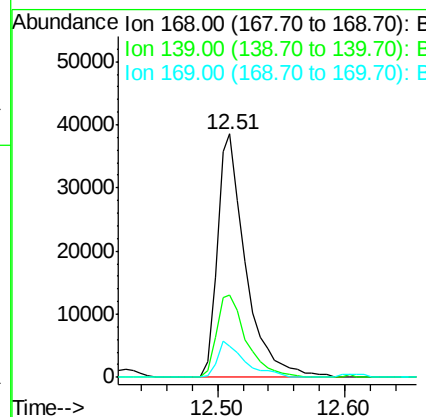
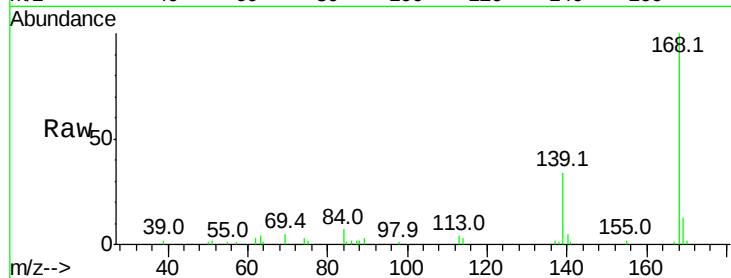
#54
Dibenzenofuran
Concen: 4.79 ng
RT: 12.51 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampled :
NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.8	30.6	45.8
169	13.1	10.8	16.2

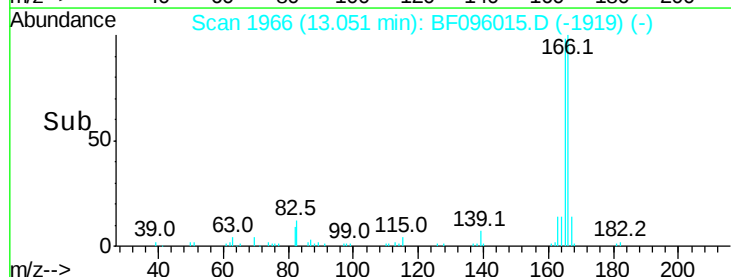
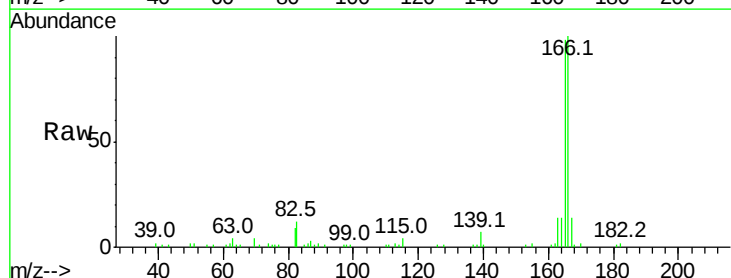
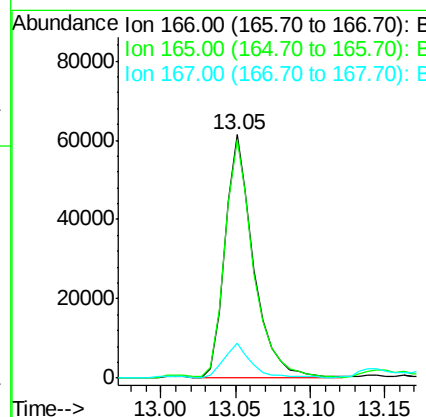
Manual Integrations
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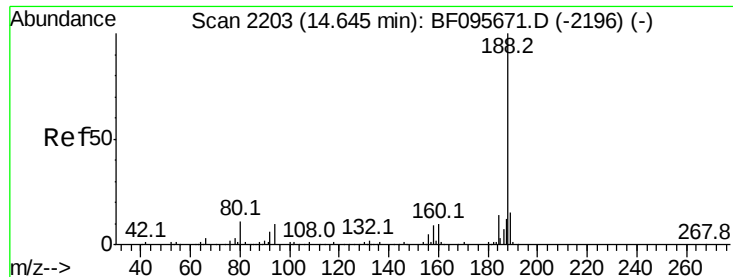
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#57
Fluorene
Concen: 7.56 ng
RT: 13.05 min Scan# 1966
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.8	118.2
167	14.2	10.6	16.0





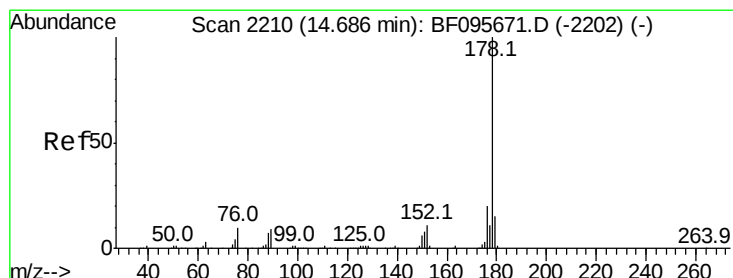
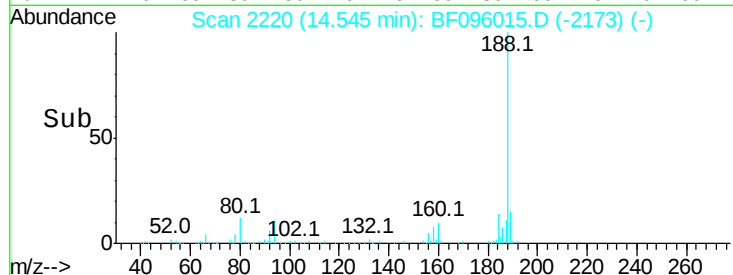
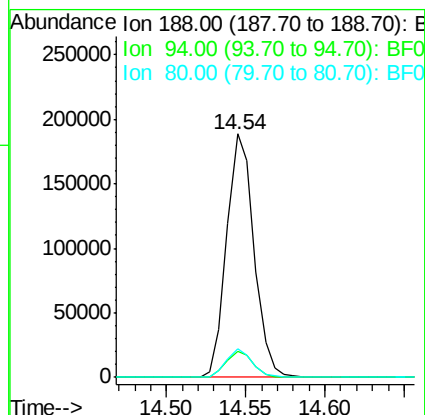
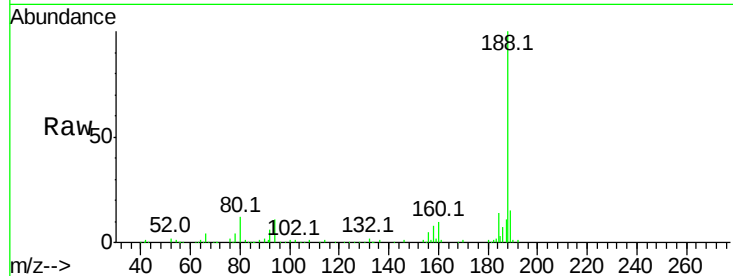
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.7	10.2	15.2

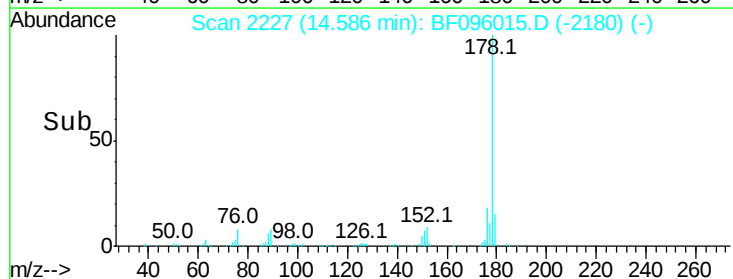
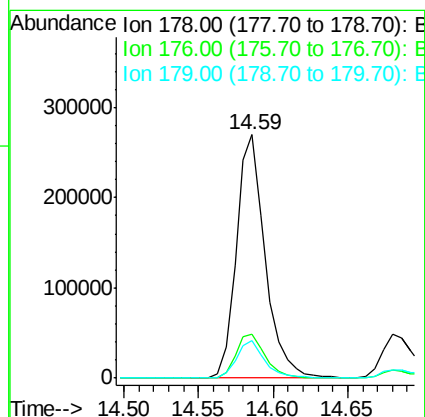
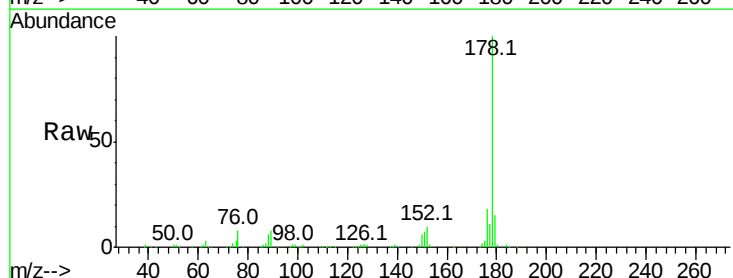
Manual Integrations
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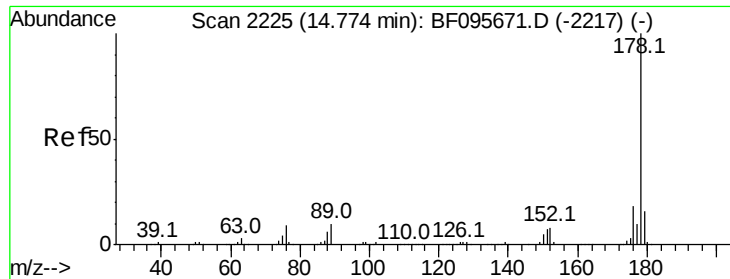
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#70
Phenanthrene
Concen: 27.84 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	16.2	24.4
179	15.4	12.6	19.0





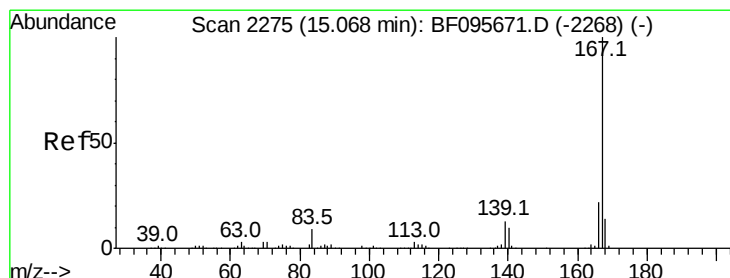
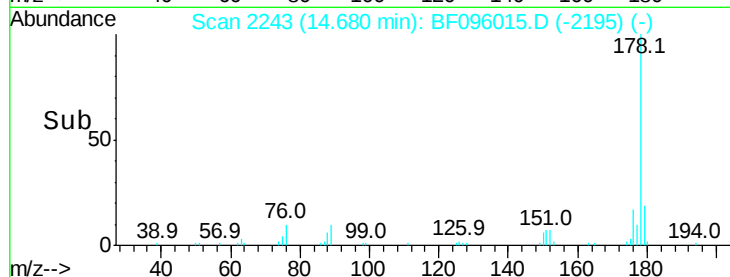
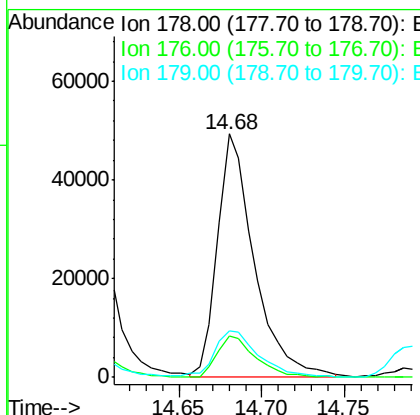
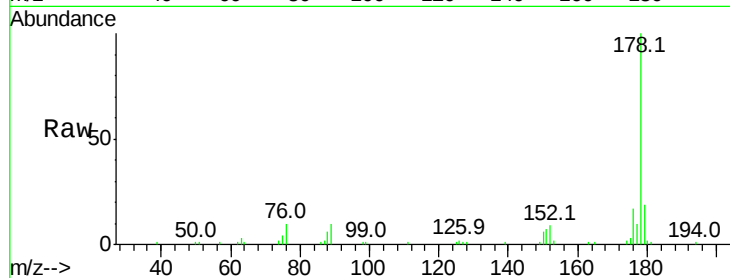
#71
 Anthracene
 Concen: 5.66 ng/mL
 RT: 14.68 min Scan# 2243
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	19.2	12.7	19.1#

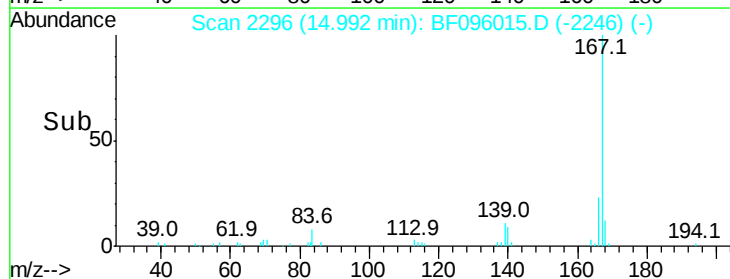
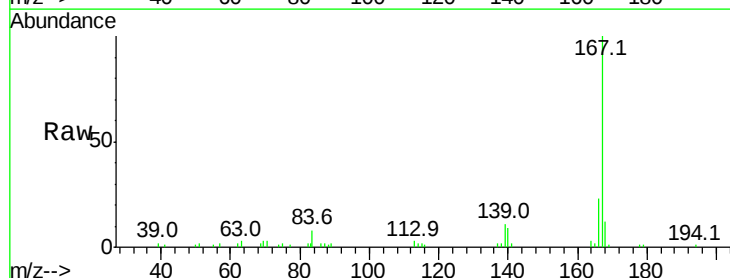
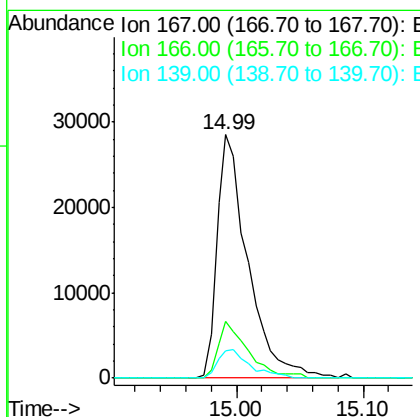
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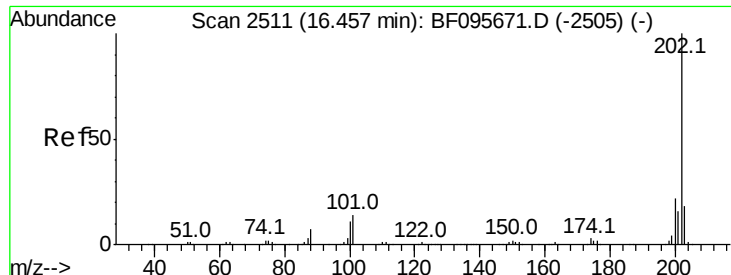
mohammad
 6/20/2017 4:29:06 PM



#72
 Carbazole
 Concen: 3.64 ng/mL
 RT: 14.99 min Scan# 2296
 Delta R.T. -0.01 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.1	27.1
139	11.4	11.7	17.5#





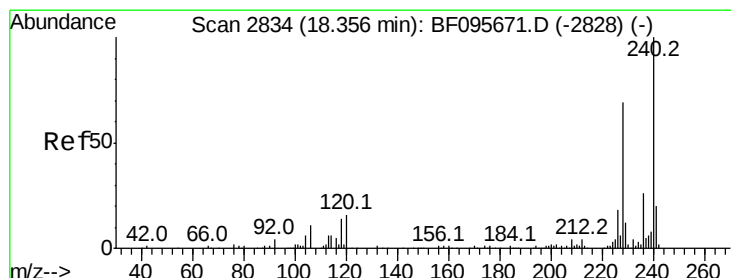
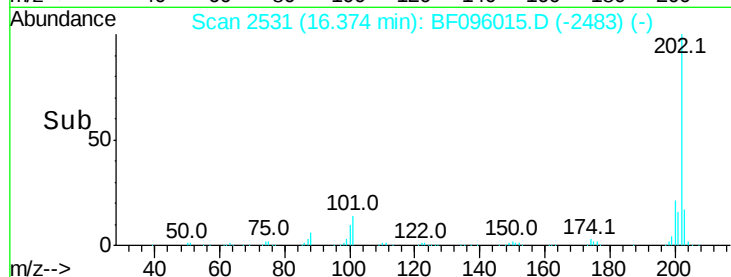
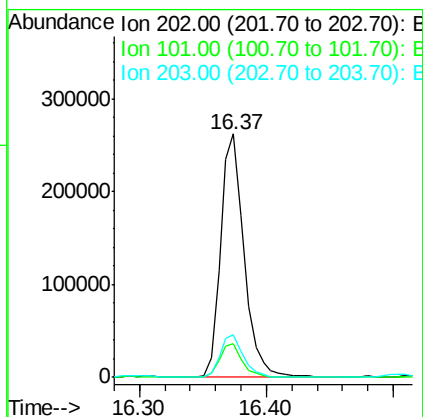
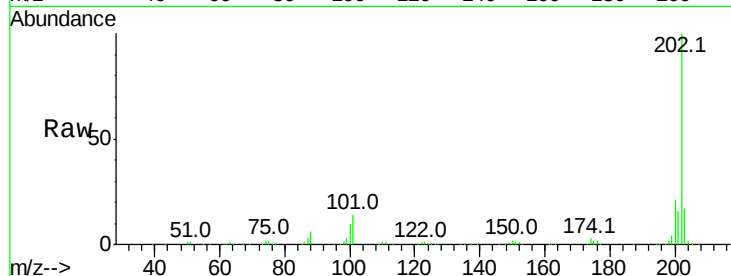
#74
 Fluoranthene
 Concen: 26.15 ng
 RT: 16.37 min Scan# 2531
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.4	0.0	38.1

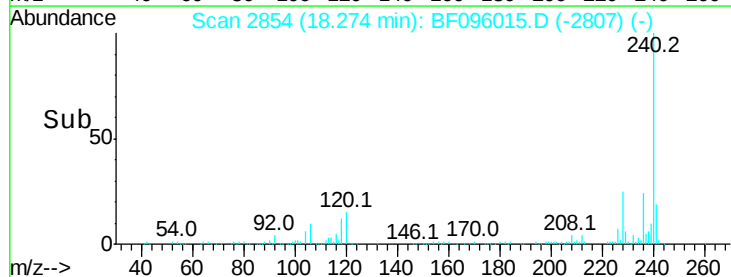
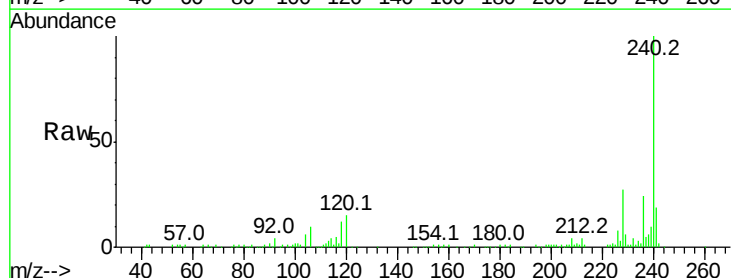
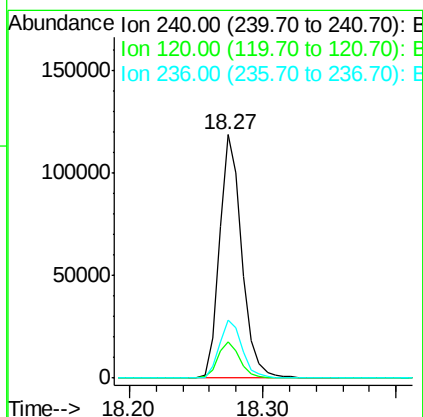
Manual Integrations
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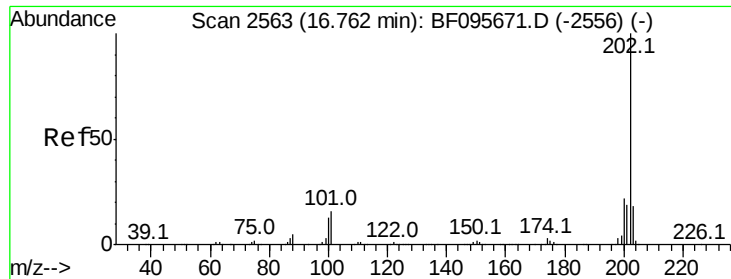
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	23.9	20.5	30.7





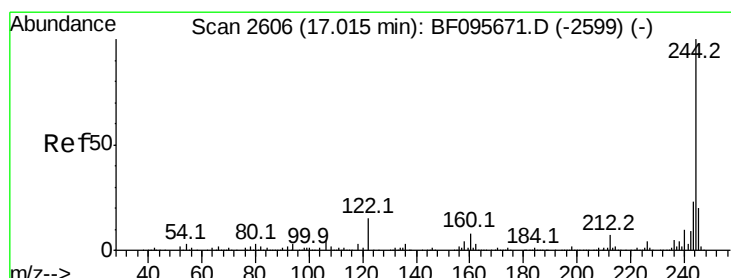
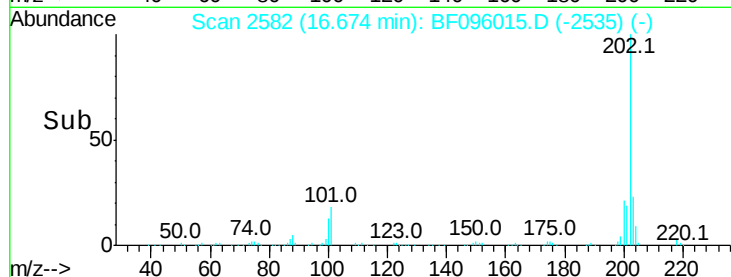
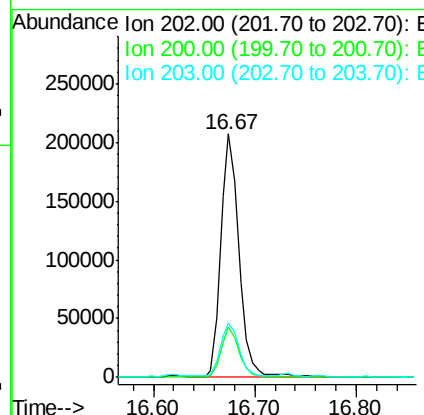
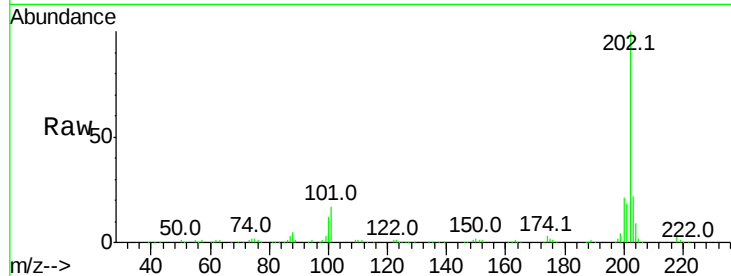
#77
Pvrene
Concen: 24.90 ng
RT: 16.67 min Scan# 2582
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

Tot Ion	Ratio	Resp	Lower	Upper
202	100	259311		
200	20.7		17.6	26.4
203	22.3		14.4	21.6

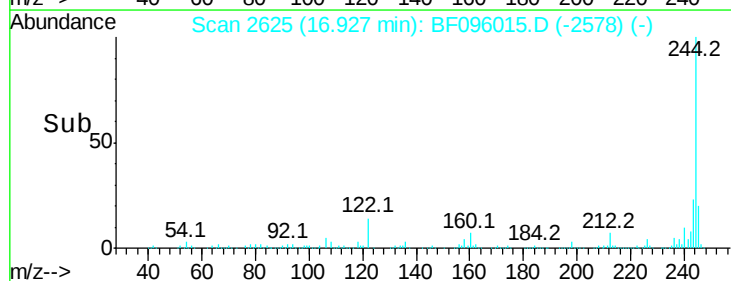
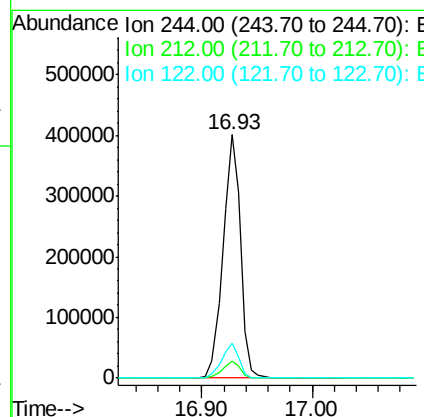
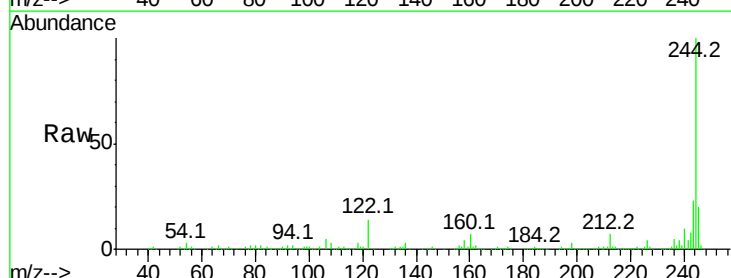
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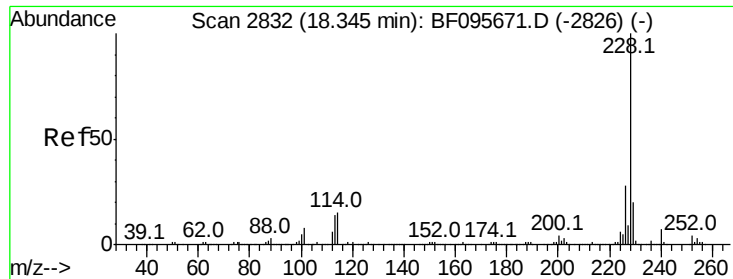
mohammad
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#78
Terphenyl-d14
Concen: 78.01 ng
RT: 16.93 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	438652		
212	6.8		6.0	9.0
122	14.5		10.3	15.5





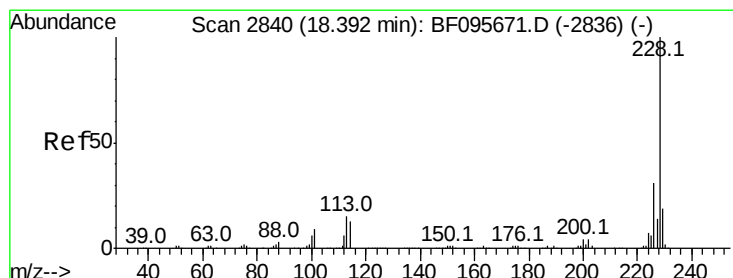
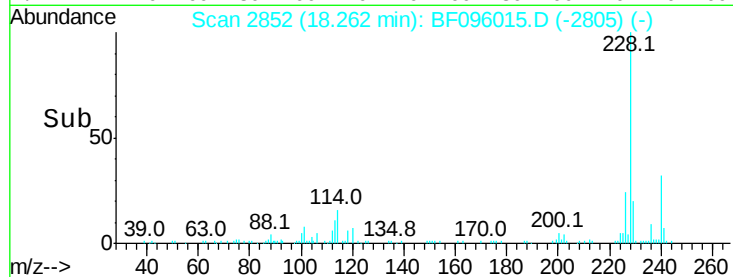
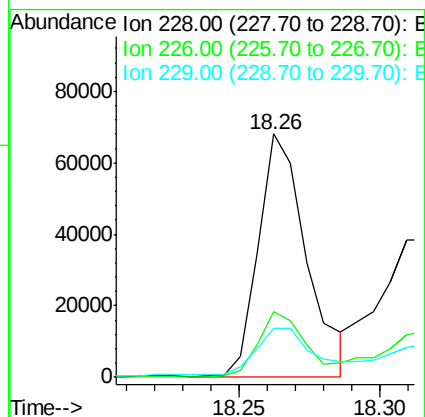
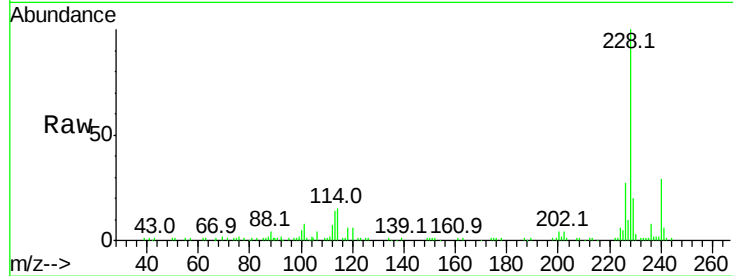
#80
Benzo(a)anthracene
Concen: 9.98 ng
RT: 18.26 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.1	16.3	24.5

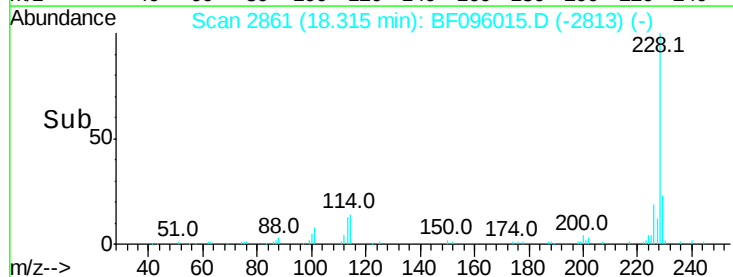
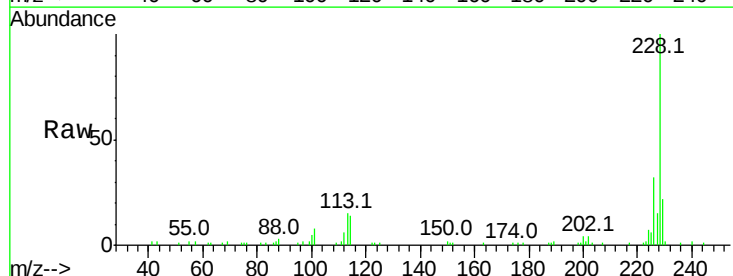
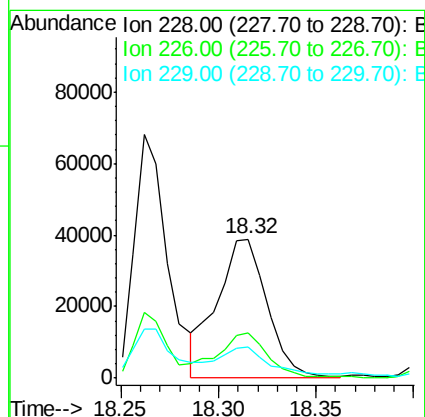
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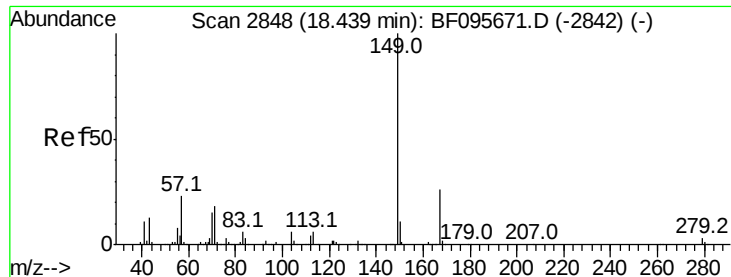
mohammad
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#82
Chrysene
Concen: 8.62 ng
RT: 18.32 min Scan# 2861
Delta R.T. -0.02 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.4	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.60 ng

RT: 18.34 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BF096015.D

Acq: 19 Jun 2017 20:01

Instrument :

BNA_F

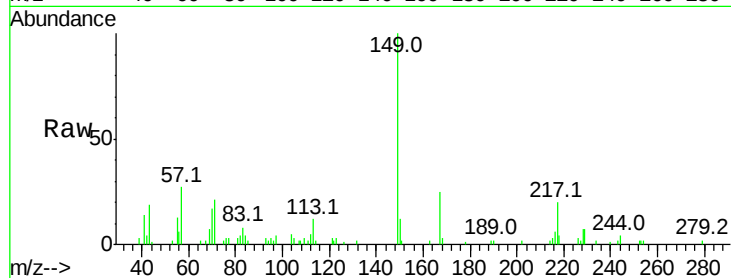
ClientSampleId :

NB-RO-72-11935

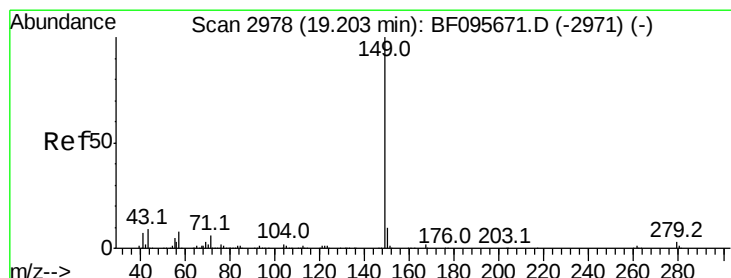
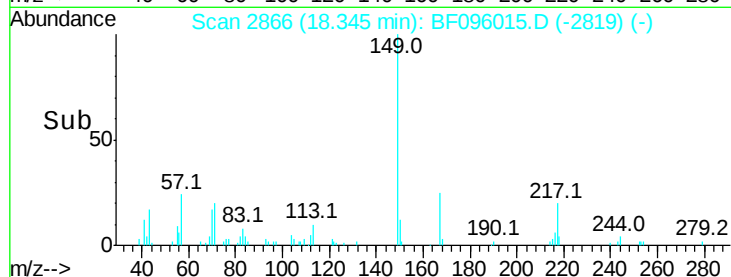
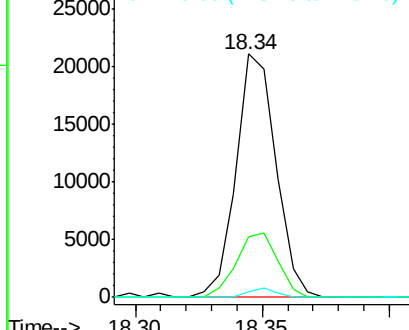
Tot Ion:	149	Resp:	23109
Ion Ratio	Lower	Upper	
149	100		
167	24.9	21.0	31.4
279	2.3	1.9	2.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 2.86 ng m

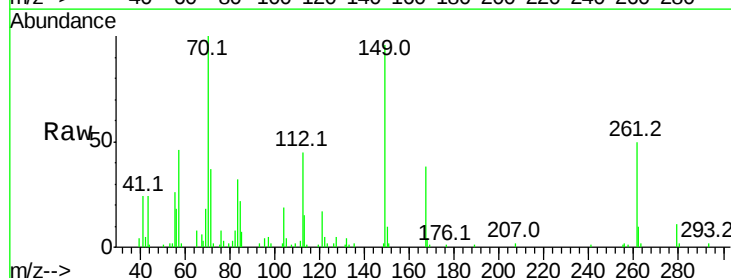
RT: 19.17 min Scan# 3006

Delta R.T. 0.03 min

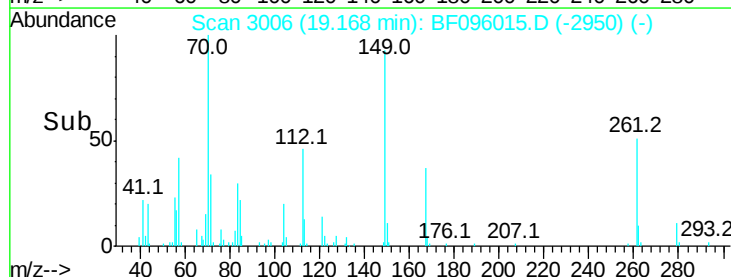
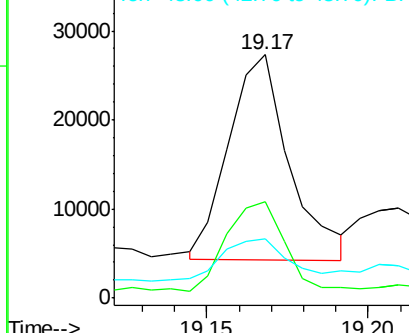
Lab File: BF096015.D

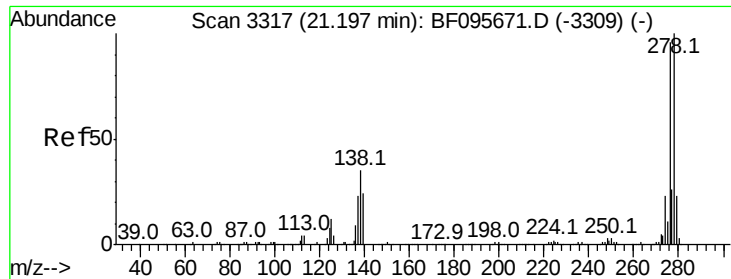
Acq: 19 Jun 2017 20:01

Tgt Ion:	149	Resp:	30224
Ion Ratio	Lower	Upper	
149	100		
167	2.1	1.2	1.8#
43	9.0	8.5	12.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





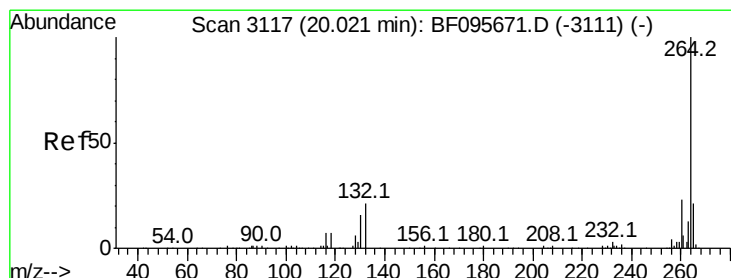
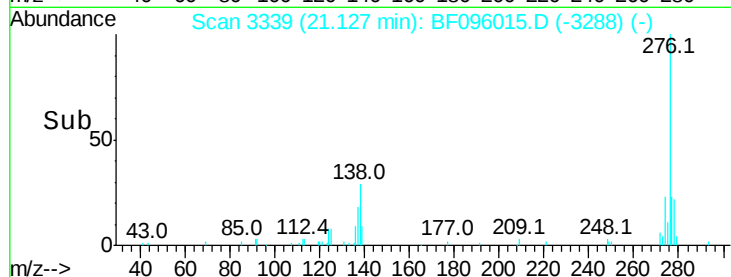
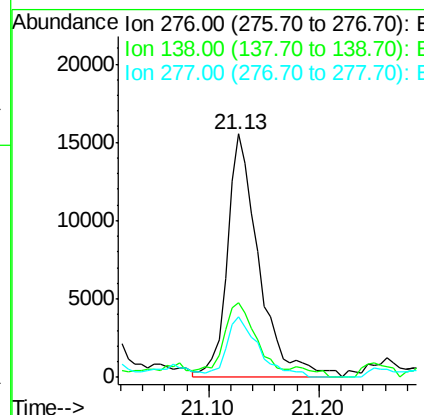
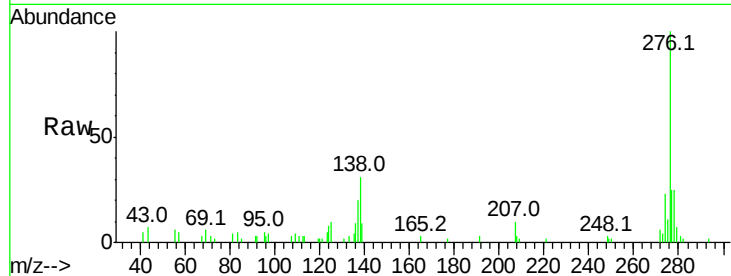
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.51 ng
 RT: 21.13 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Instrument :
 BNA_F
 ClientSampleId :
 NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	27.8	41.6#
277	25.4	20.2	30.4

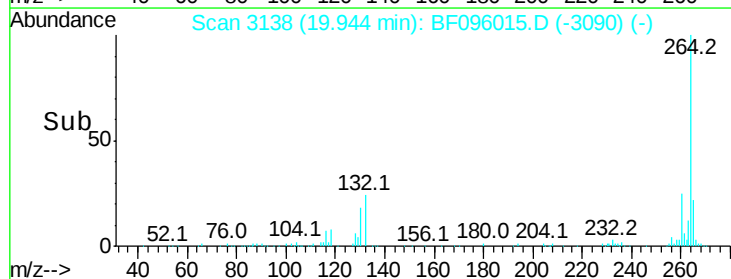
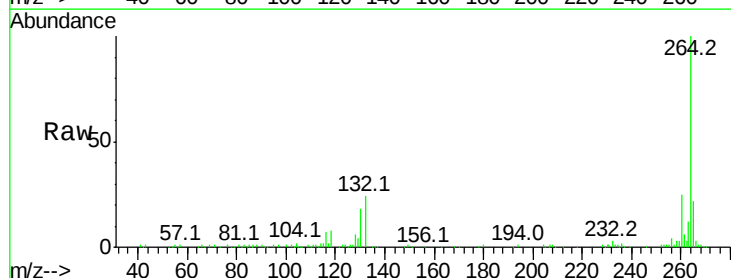
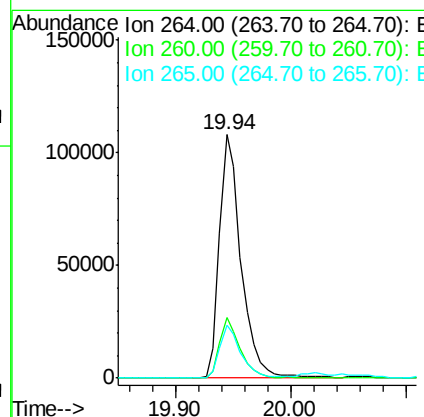
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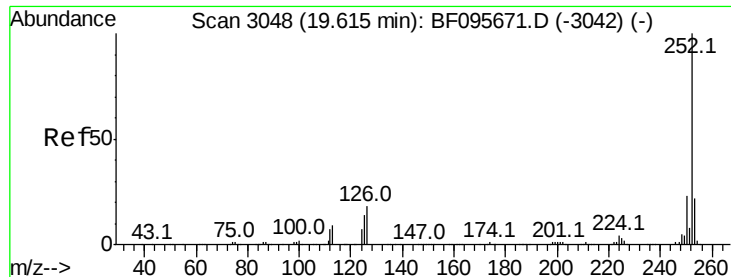
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. -0.02 min
 Lab File: BF096015.D
 Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.63 ng

RT: 19.54 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BF096015.D

Acq: 19 Jun 2017 20:01

Instrument :

BNA_F

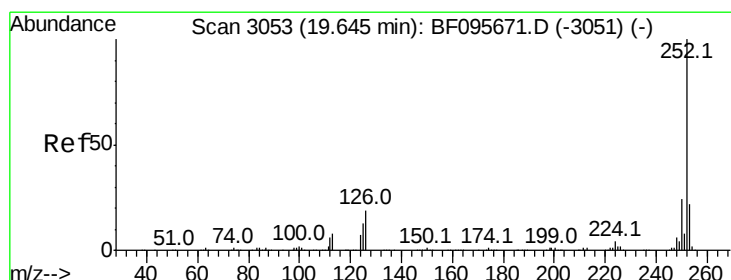
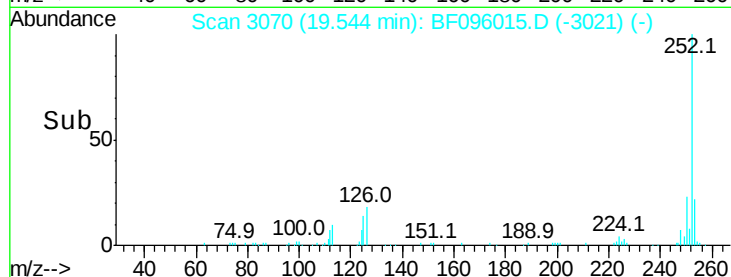
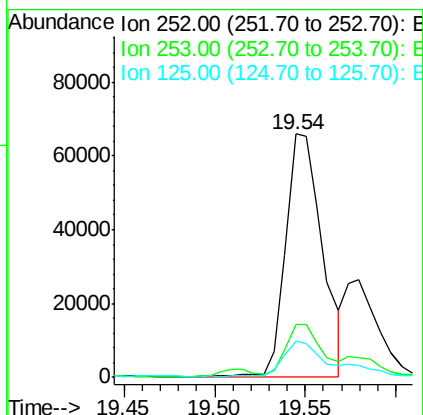
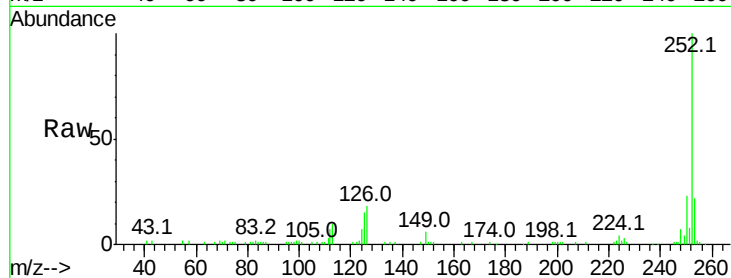
ClientSampleId :

NB-RO-72-11935

Tot Ion:	252	Resp:	93689
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.1	27.1
125	15.0	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 4.02 ng m

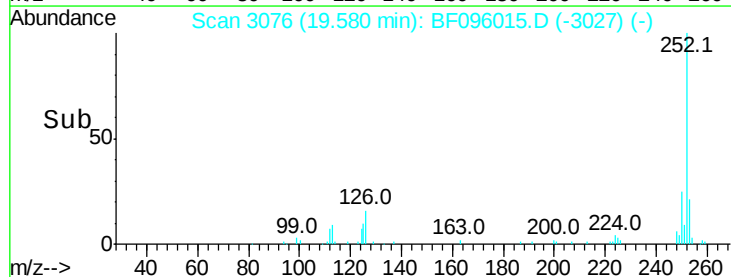
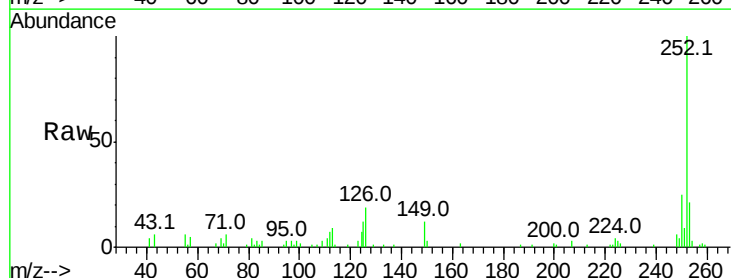
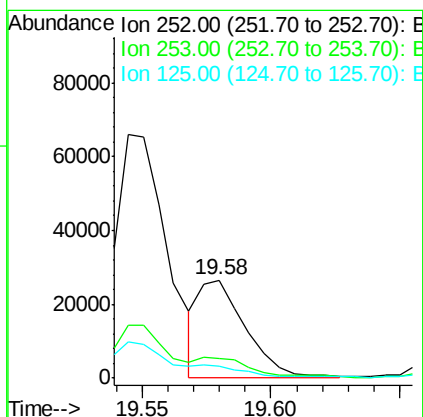
RT: 19.58 min Scan# 3076

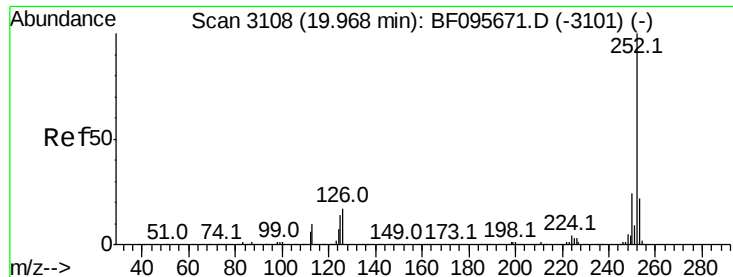
Delta R.T. -0.01 min

Lab File: BF096015.D

Acq: 19 Jun 2017 20:01

Tgt Ion:	252	Resp:	33905
Ion Ratio	Lower	Upper	
252	100		
253	20.6	18.4	27.6
125	11.6	13.1	19.7#





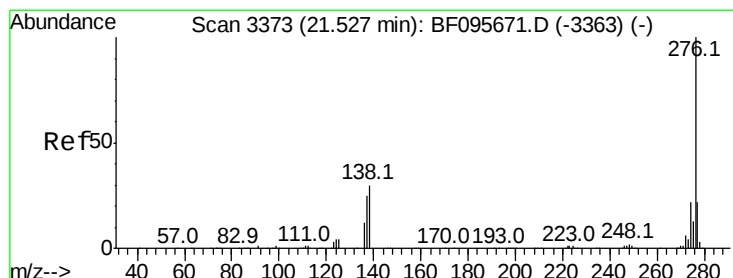
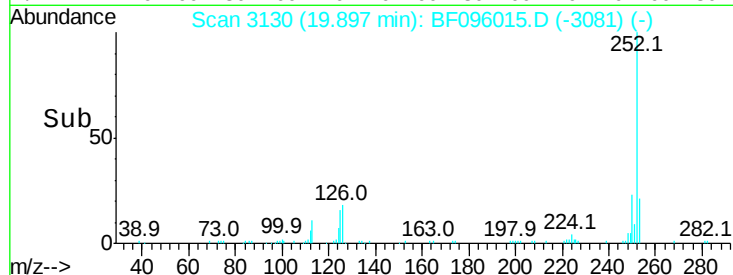
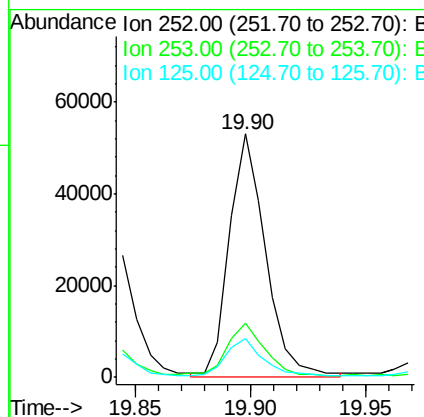
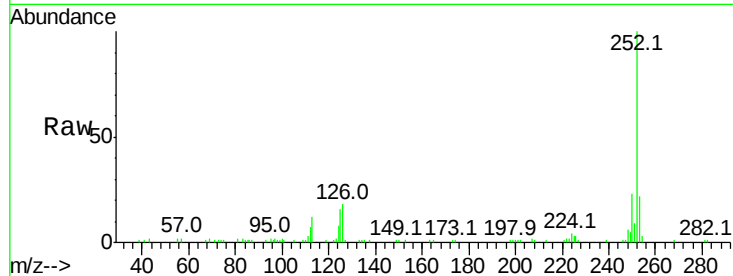
#89
Benzo(a)pyrene
Concen: 7.20 ng
RT: 19.90 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Instrument :
BNA_F
ClientSampleId :
NB-RO-72-11935

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.1	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.66 ng
RT: 21.46 min Scan# 3395
Delta R.T. 0.01 min
Lab File: BF096015.D
Acq: 19 Jun 2017 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	31.2	25.4	38.0

