

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101804.D
 Acq On : 28 Dec 2017 16:04
 Operator : SJ/JU
 Sample : I6970-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5-0-5

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:12 AM

Quant Time: Dec 28 16:35:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151842	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	577717	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	224024	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	345709	20.00	ng	0.00
75) Chrysene-d12	13.96	240	308140	20.00	ng	0.00
86) Perylene-d12	15.43	264	294729	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1090954	107.02	ng	0.00
7) Phenol-d6	6.43	99	1294013	102.00	ng	0.00
23) Nitrobenzene-d5	7.36	82	798462	76.94	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	213504	98.91	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1175246	81.38	ng	0.00
78) Terphenyl-d14	12.89	244	858257	67.15	ng	0.00
Target Compounds						
10) Phenol	6.45	94	56501	3.908	ng	Qvalue # 73
49) Dimethylphthalate	9.54	163	75763	4.204	ng	99
70) Phenanthrene	11.34	178	117666	6.120	ng	98
74) Fluoranthene	12.53	202	156591	7.760	ng	96
77) Pyrene	12.76	202	134389	5.811	ng	99
80) Benzo(a)anthracene	13.96	228	73520	3.613	ng	97
82) Chrysene	13.99	228	60288	3.138	ng	98
87) Benzo(b)fluoranthene	15.02	252	80410m	4.476	ng	
89) Benzo(a)pyrene	15.38	252	52315	3.159	ng	# 92
91) Benzo(g,h,i)perylene	17.38	276	30024	2.132	ng	99

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

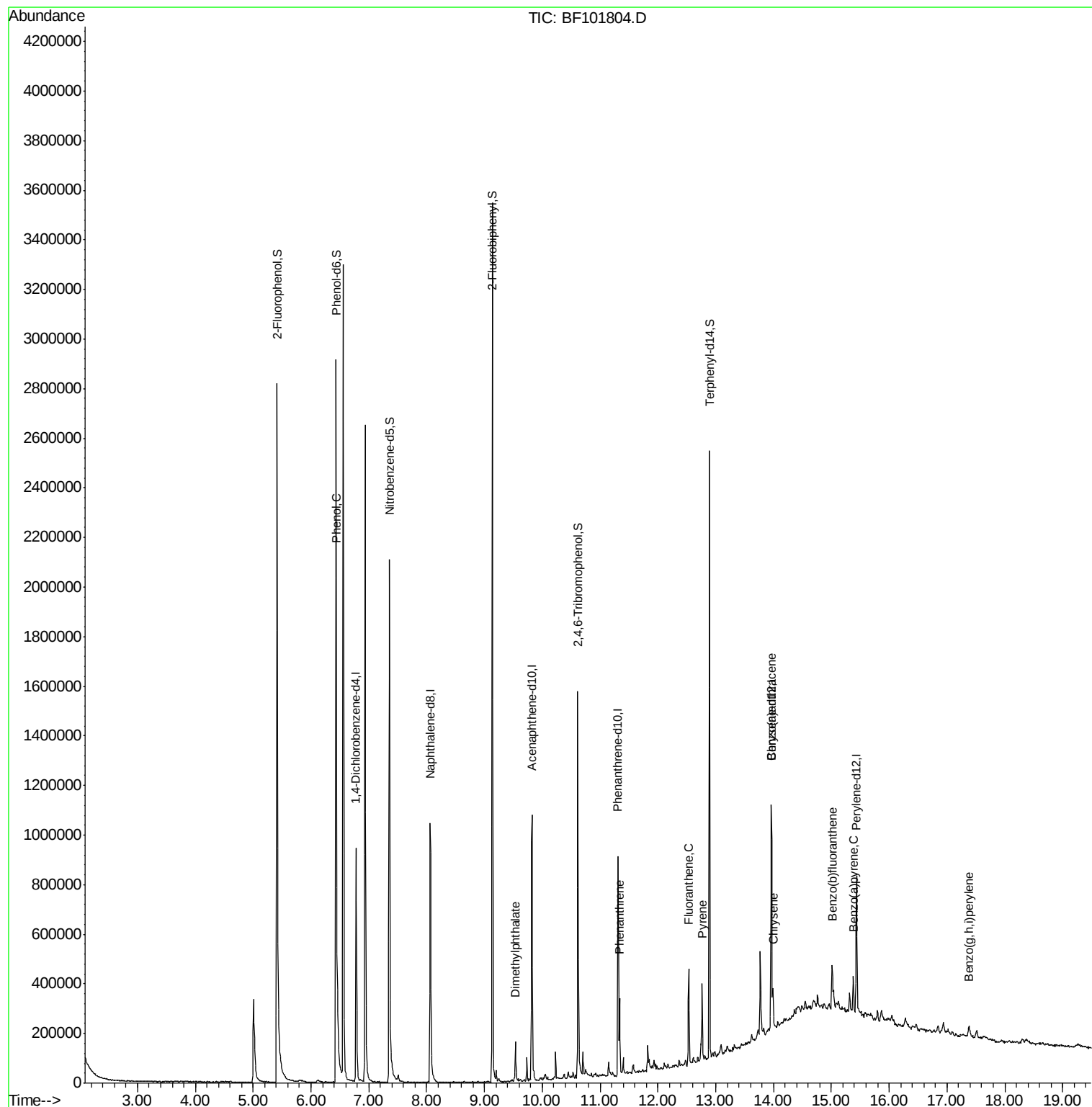
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
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Acq On : 28 Dec 2017 16:04
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BNA_F
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S5-0-5

Manual Integrations
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#1

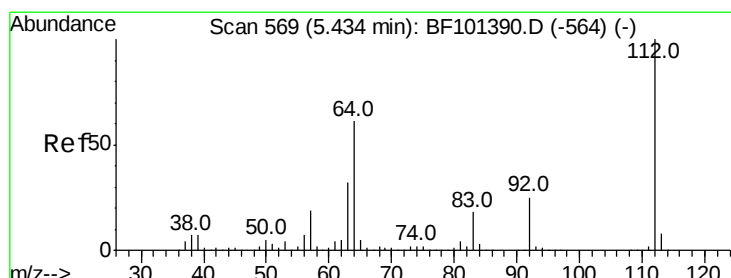
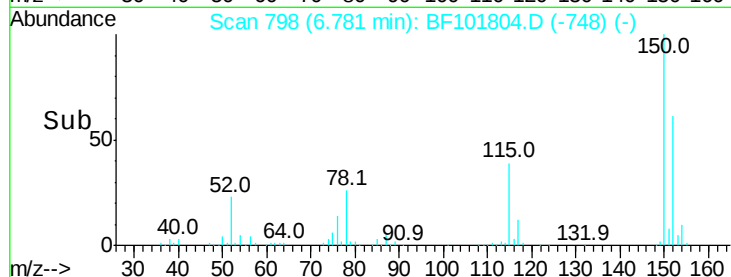
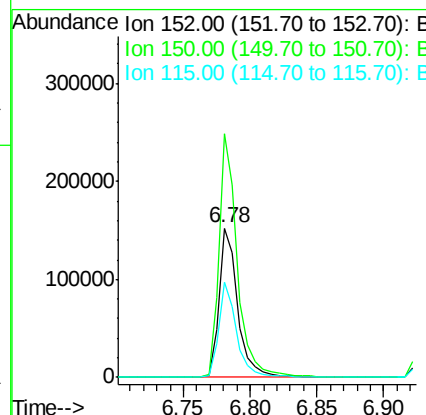
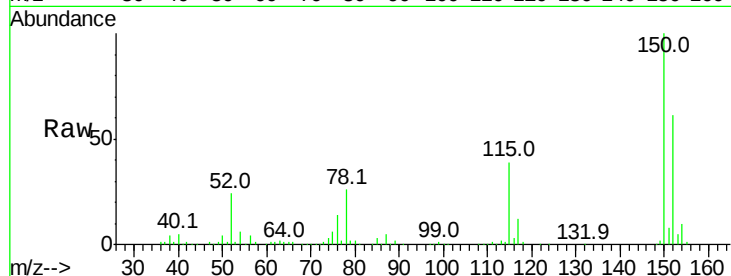
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampled :
S5-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.6	186.8
115	63.9	50.1	75.1

Manual Integrations
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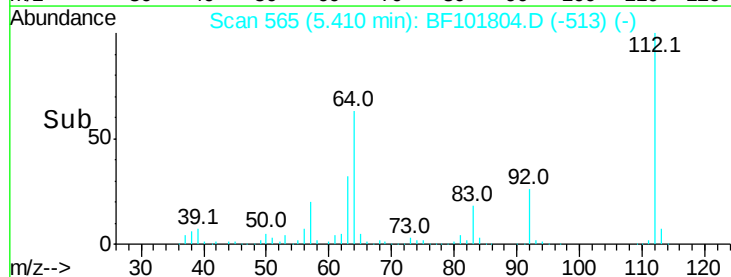
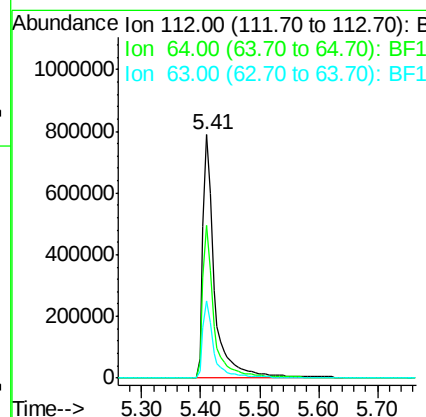
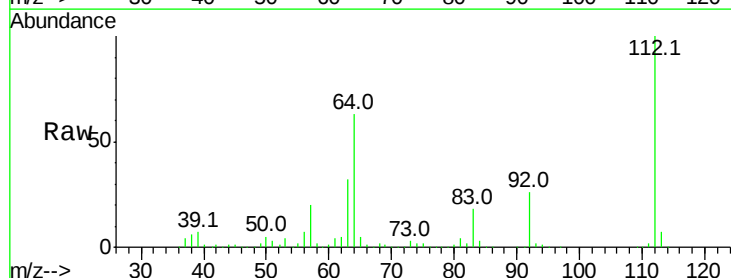
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#5

2-Fluorophenol
Concen: 107.023 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 102.000 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

ClientSampleId :

S5-0-5

Tot Ion: 99 Resp: 1294013

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

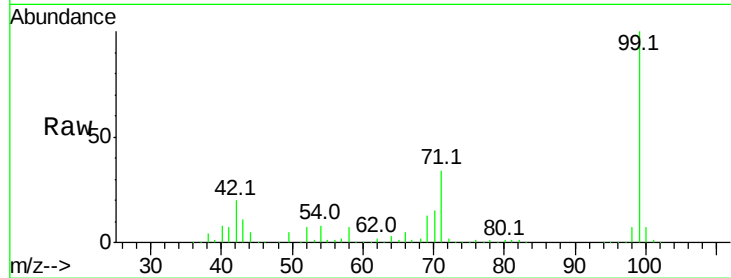
71 33.6 25.4 38.0

Manual Integrations

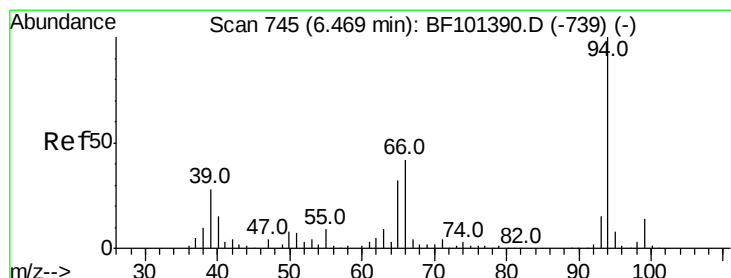
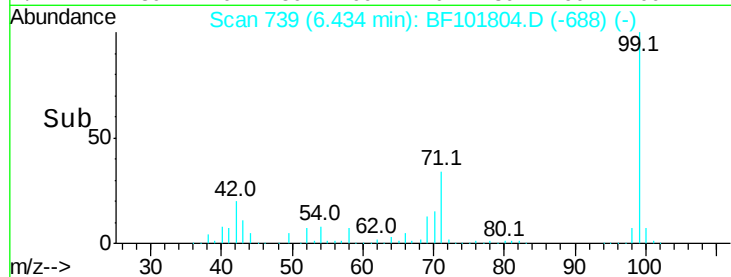
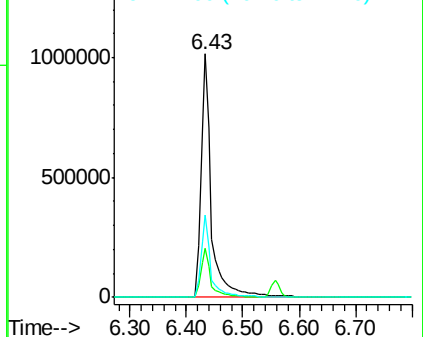
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.908 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

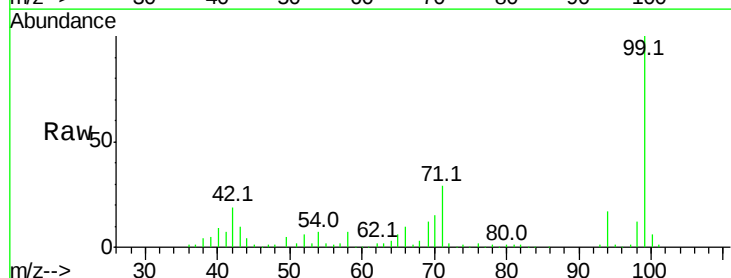
Tgt Ion: 94 Resp: 56501

Ion Ratio Lower Upper

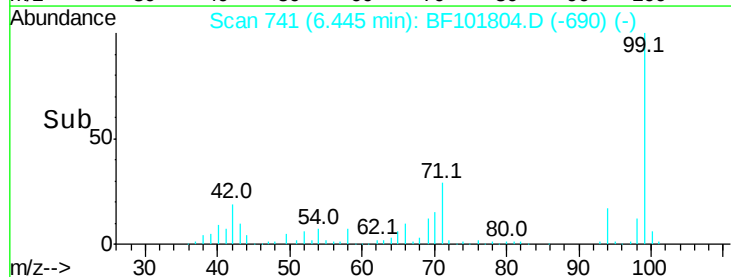
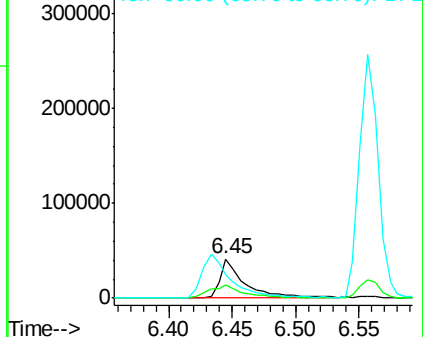
94 100

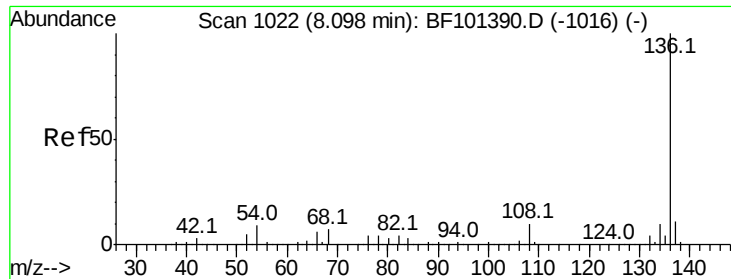
65 33.6 7.9 47.9

66 59.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





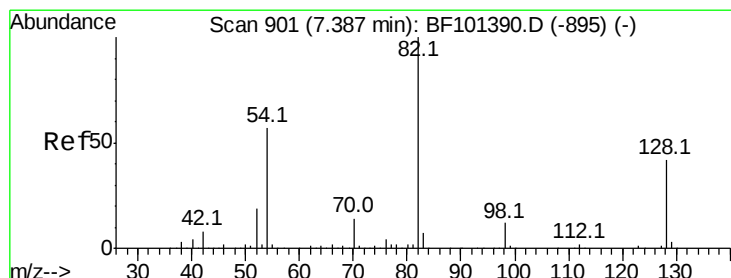
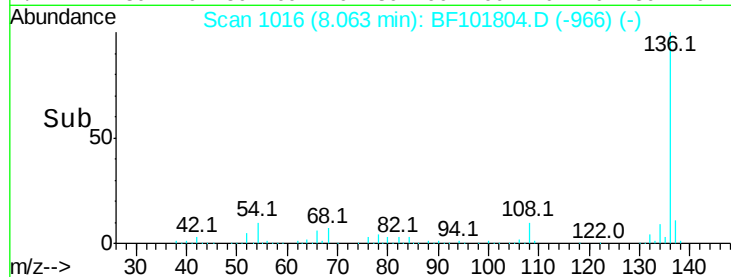
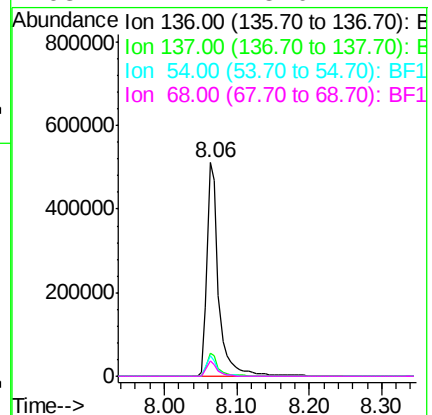
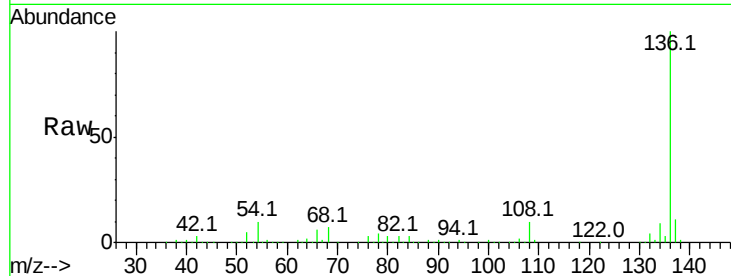
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampleId :
S5-0-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	577717		
137	11.0		8.9	13.3
54	9.7		6.6	9.8
68	7.1		5.0	7.4

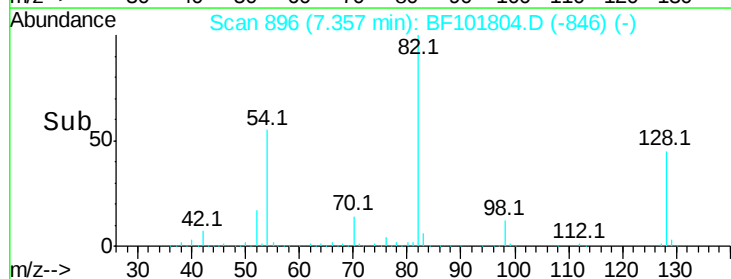
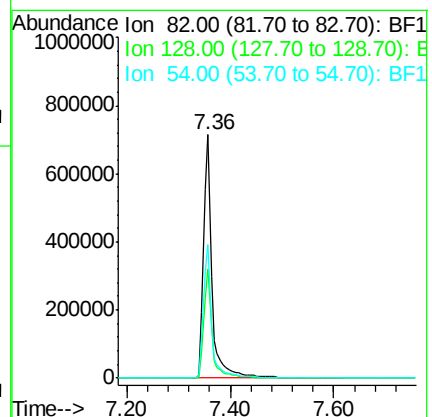
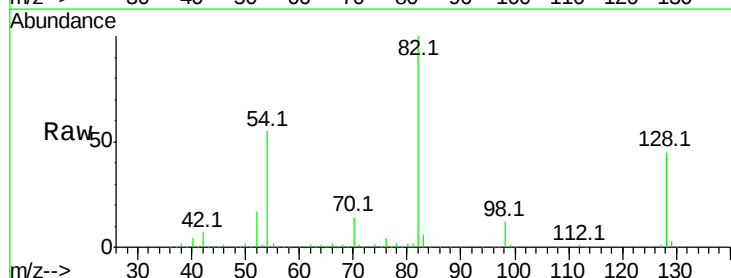
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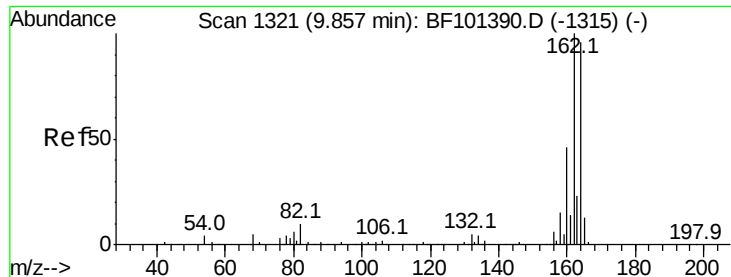
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#23
Nitrobenzene-d5
Concen: 76.936 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	798462		
128	45.1		36.1	54.1
54	55.0		41.4	62.2





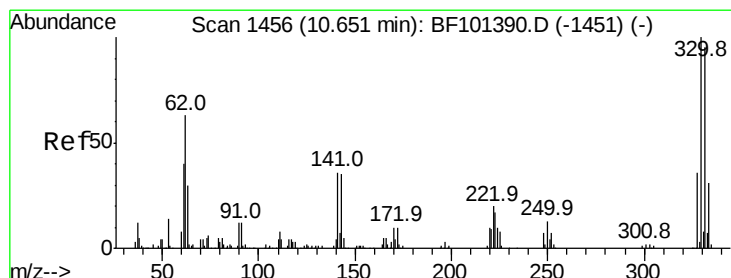
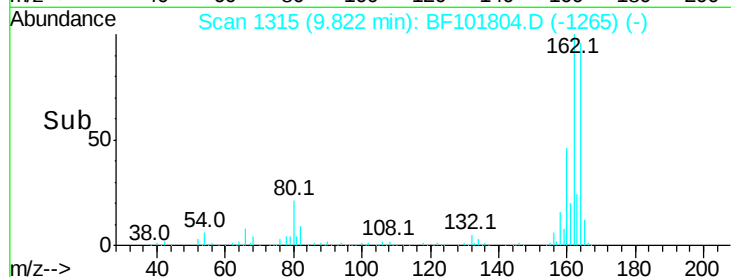
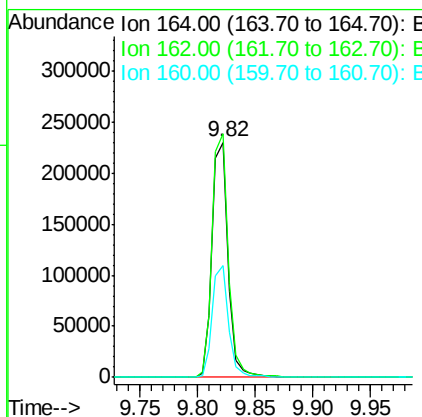
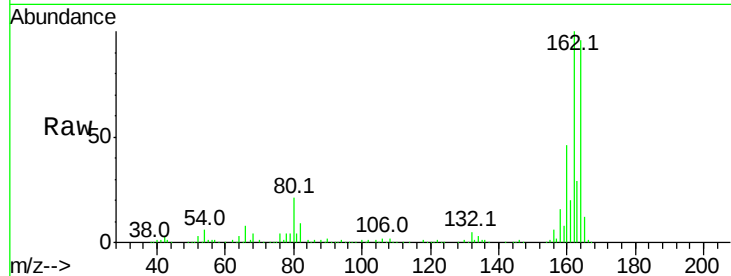
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 S5-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	224024		
162	103.7		86.1	129.1
160	47.4		38.3	57.5

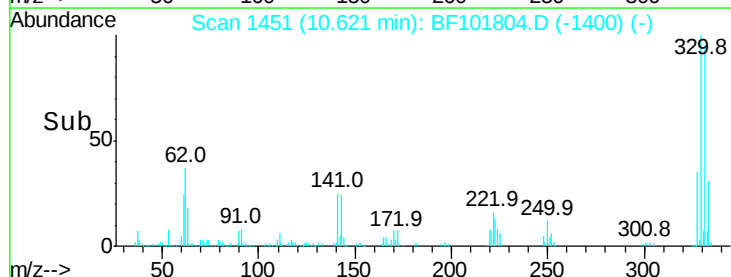
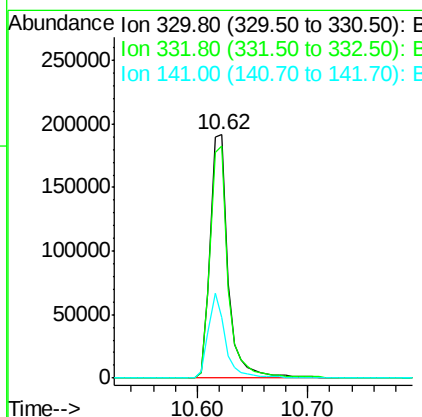
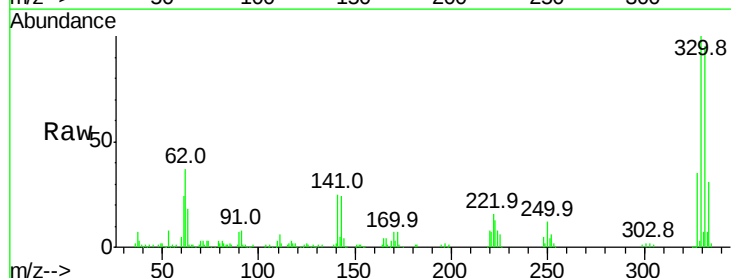
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#41
 2,4,6-Tribromophenol
 Concen: 98.906 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	213504		
332	95.6		77.0	115.6
141	32.5		29.9	44.9





#44
 2-Fluorobiphenyl
 Concen: 81.379 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

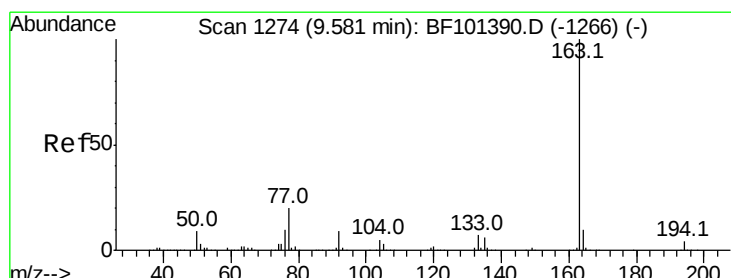
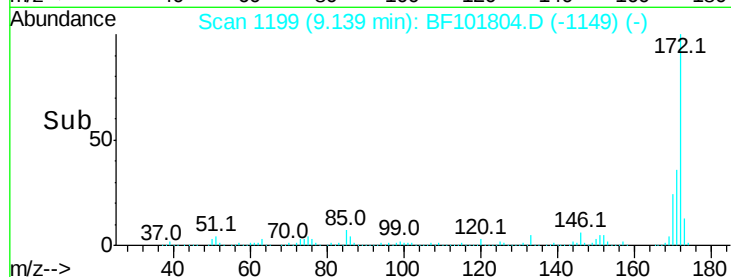
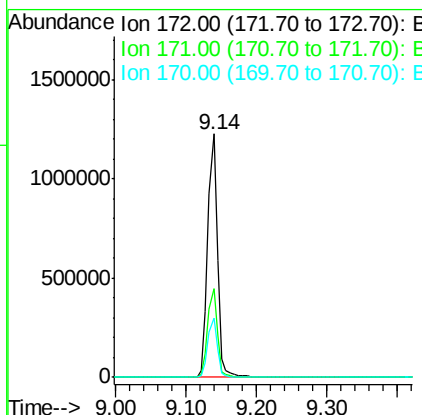
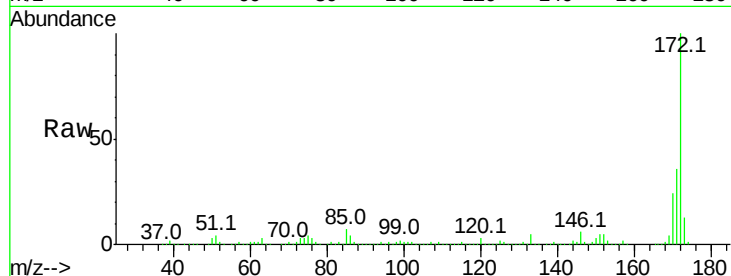
Instrument :
 BNA_F
 ClientSampleId :
 S5-0-5

Tot Ion:172 Resp: 1175246

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.6	29.4

Manual Integrations
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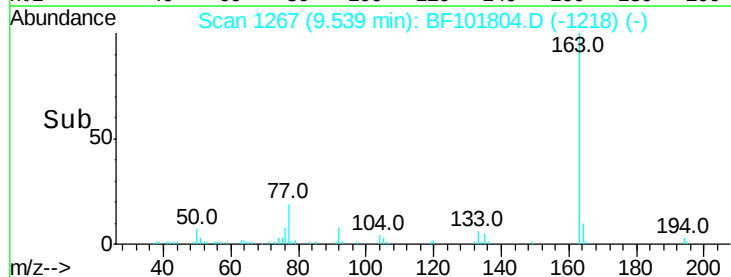
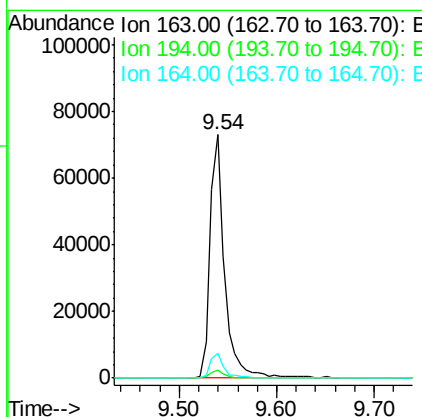
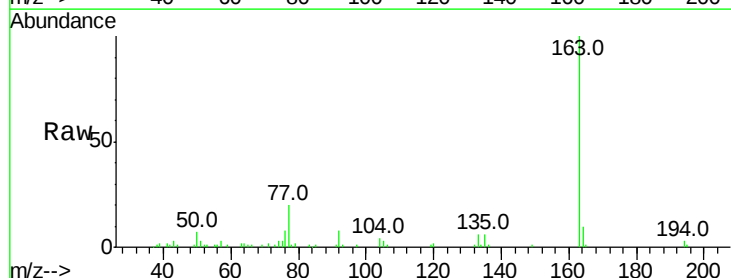
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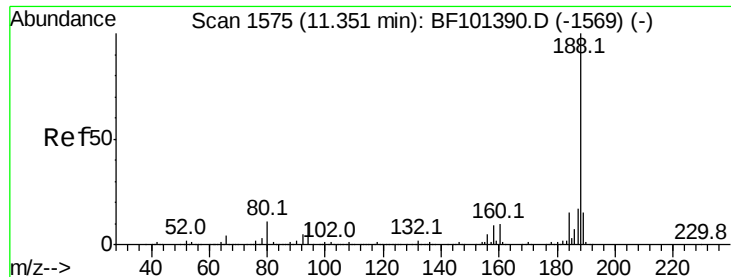


#49
 Dimethylphthalate
 Concen: 4.204 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:163 Resp: 75763

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.0	8.2	12.2





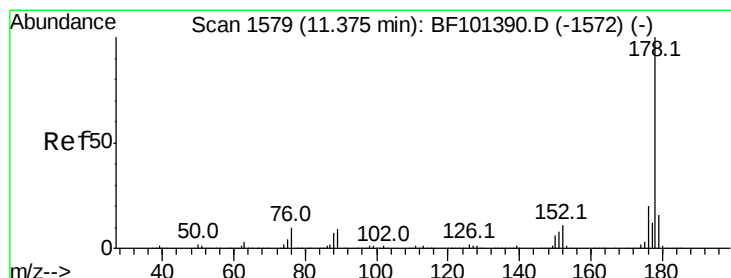
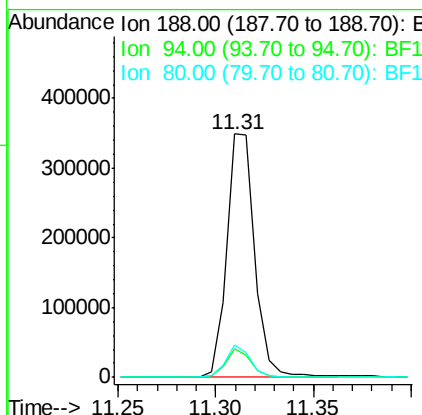
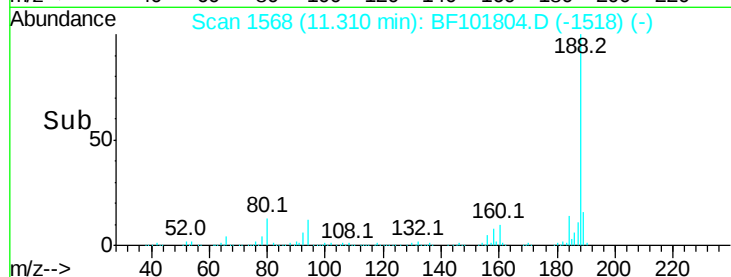
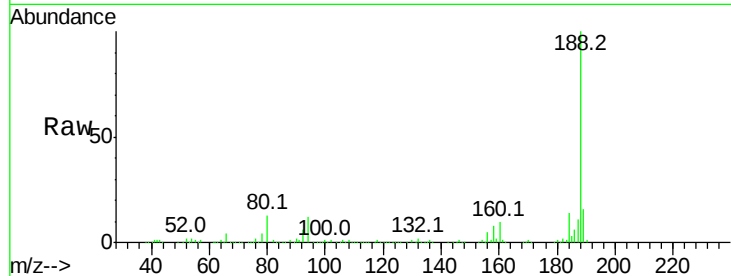
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampleId :
S5-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	345709		
94	11.7		8.5	12.7
80	13.1		9.2	13.8

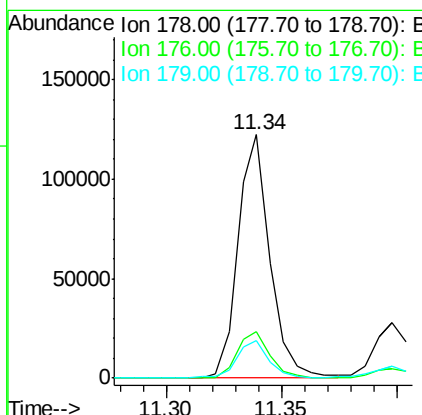
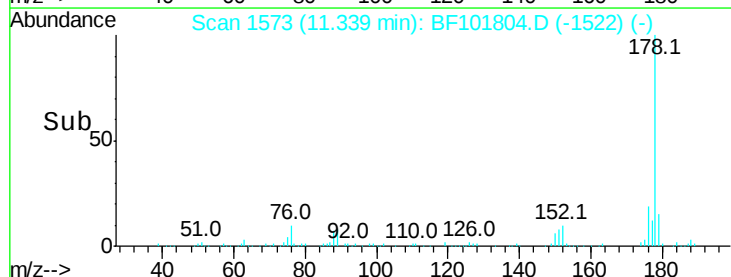
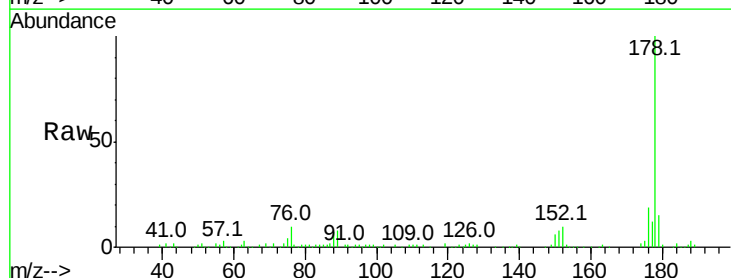
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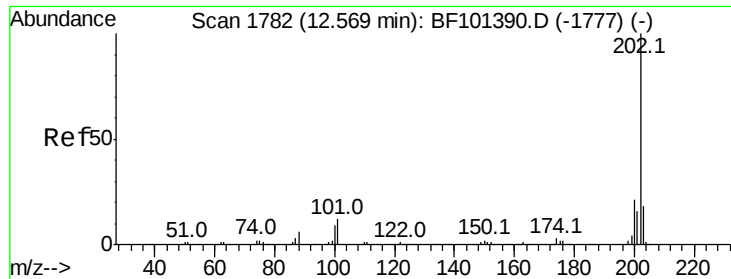
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#70
Phenanthrene
Concen: 6.120 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	117666		
176	18.9		15.8	23.8
179	15.4		13.0	19.6





#74

Fluoranthene

Concen: 7.760 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

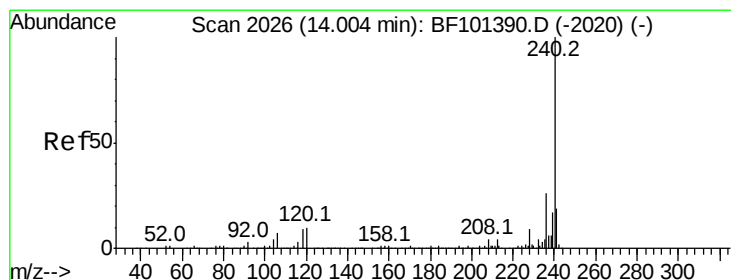
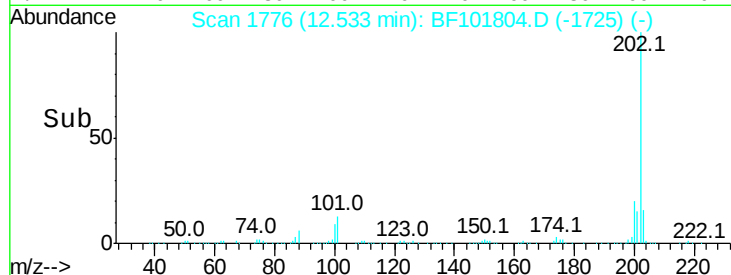
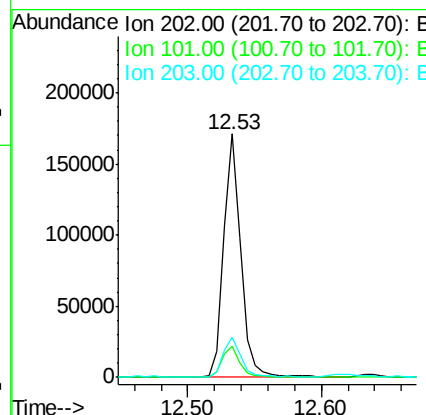
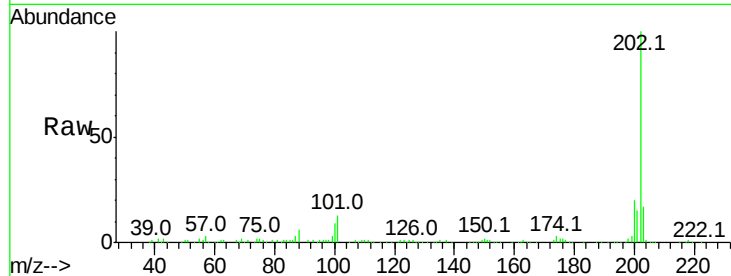
ClientSampleId :

S5-0-5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	156591		
101	12.7	0.0	34.1	
203	16.5	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

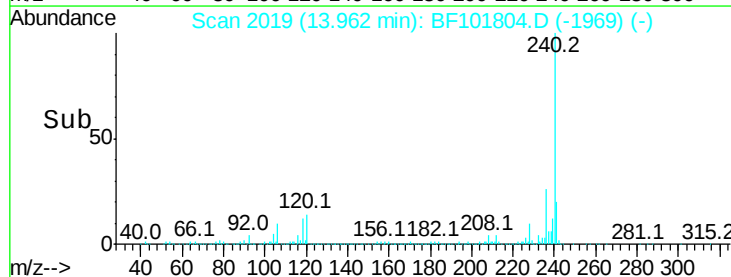
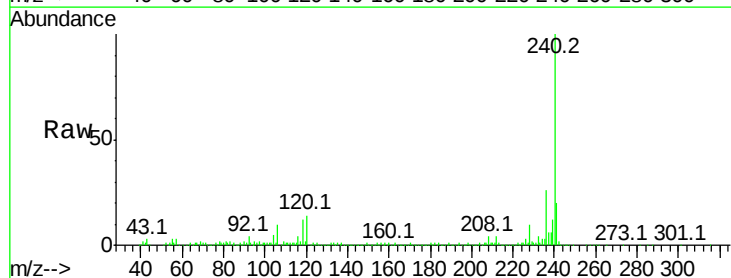
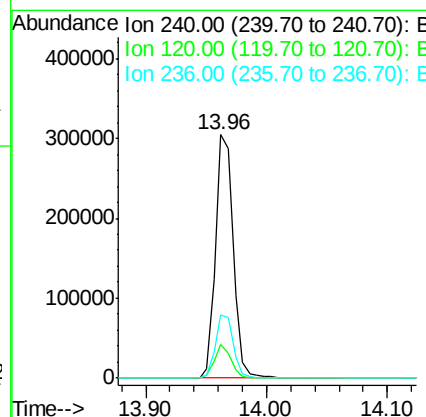
RT: 13.96 min Scan# 2019

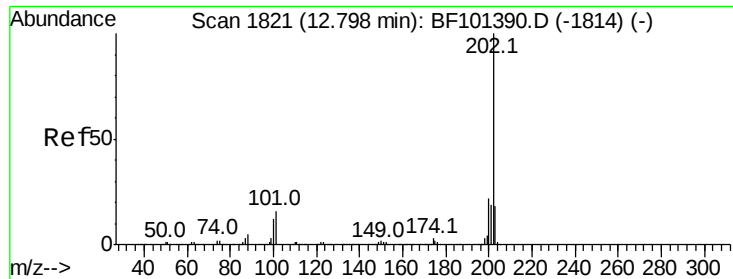
Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	308140		
120	13.9	9.5	14.3	
236	26.1	20.7	31.1	





#77

Pvrene

Concen: 5.811 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

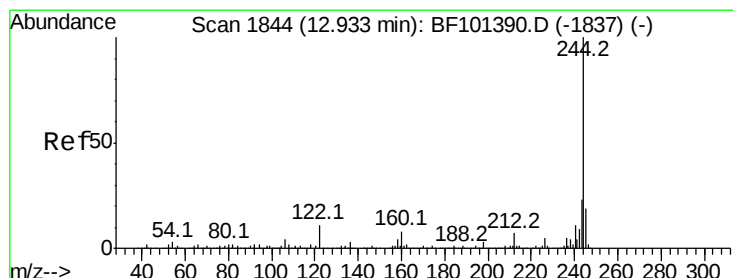
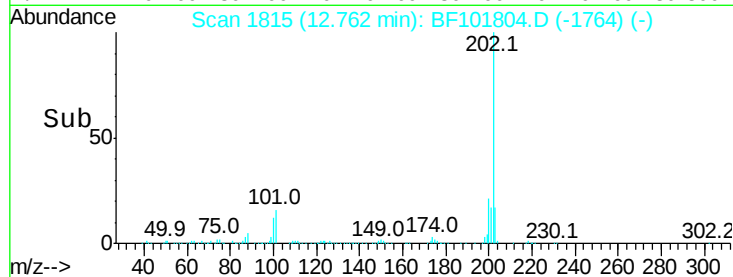
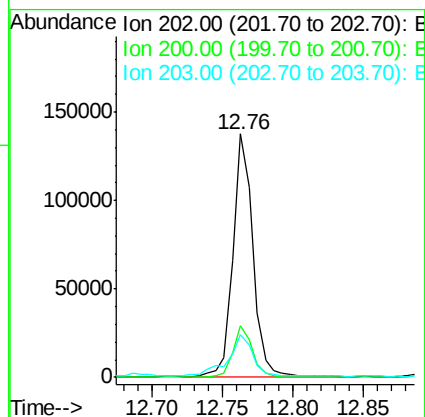
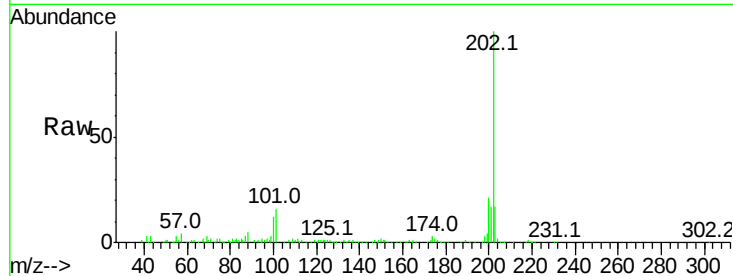
ClientSampled :

S5-0-5

Tot Ion:	202	Resp:	134389
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
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12/29/2017 11:55:12 AM



#78

Terphenyl-d14

Concen: 67.147 ng

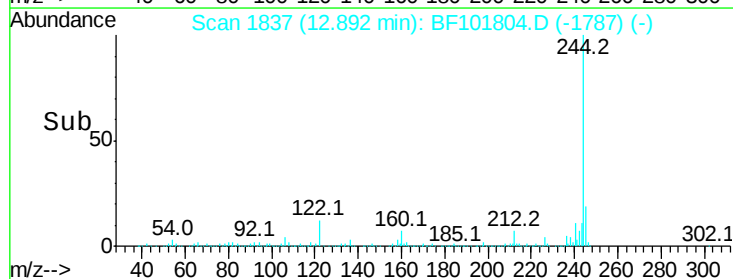
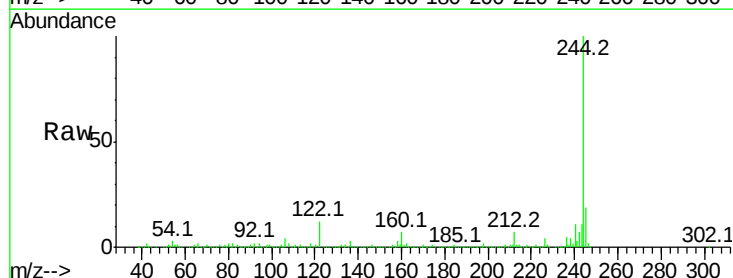
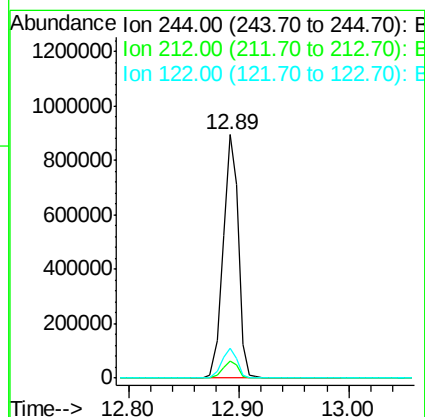
RT: 12.89 min Scan# 1837

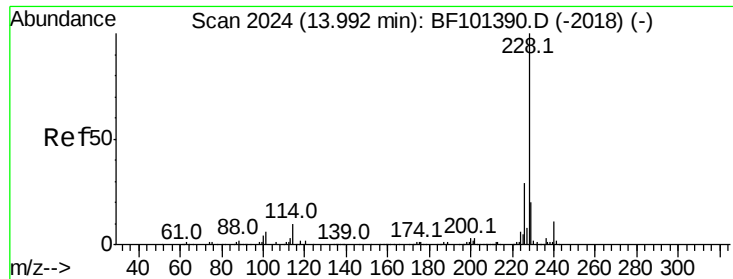
Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Tgt Ion:	244	Resp:	858257
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	12.2	11.0	16.4





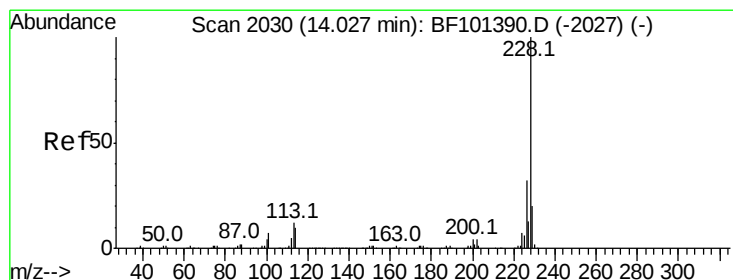
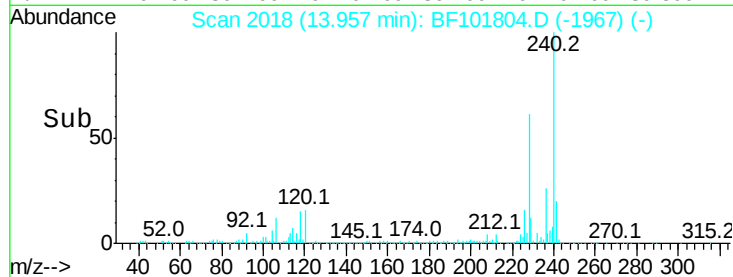
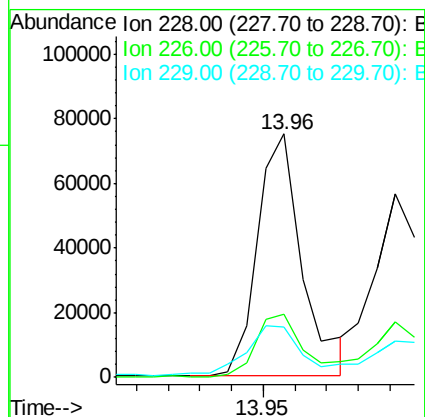
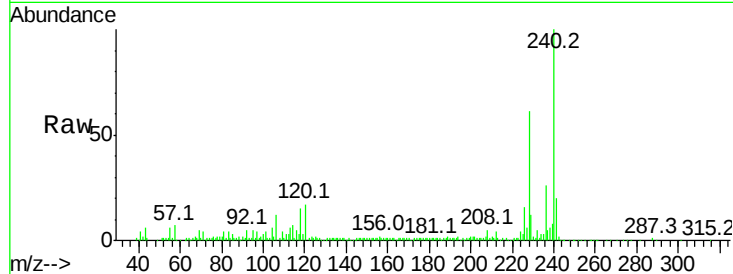
#80
Benzo(a)anthracene
Concen: 3.613 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampled :
S5-0-5

Tot Ion:228	Resp:	73520
Ion Ratio	Lower	Upper
228 100		
226 26.1	22.6	33.8
229 20.5	15.8	23.6

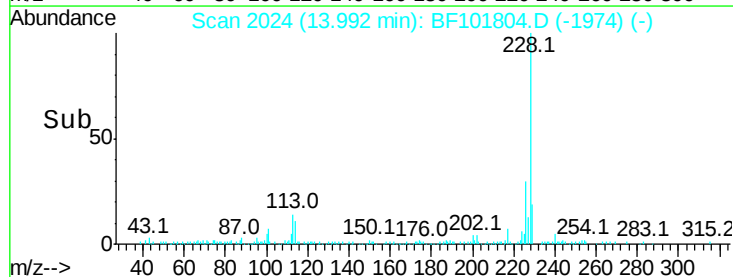
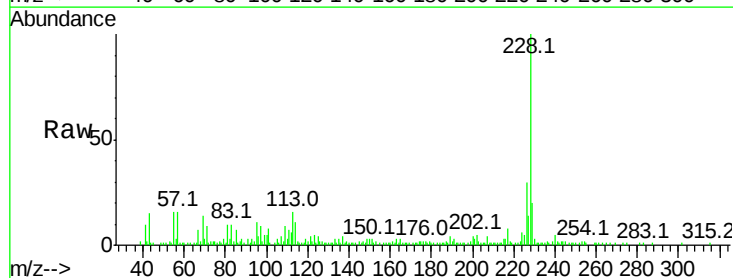
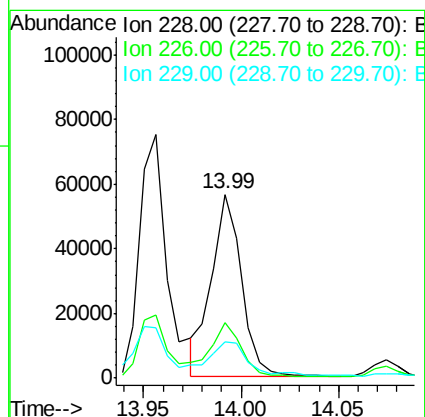
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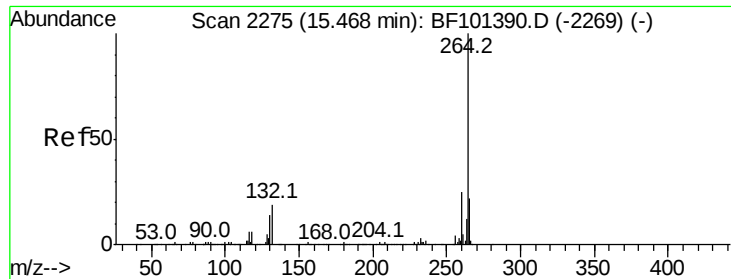
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#82
Chrysene
Concen: 3.138 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion:228	Resp:	60288
Ion Ratio	Lower	Upper
228 100		
226 30.3	25.0	37.6
229 19.6	16.2	24.4





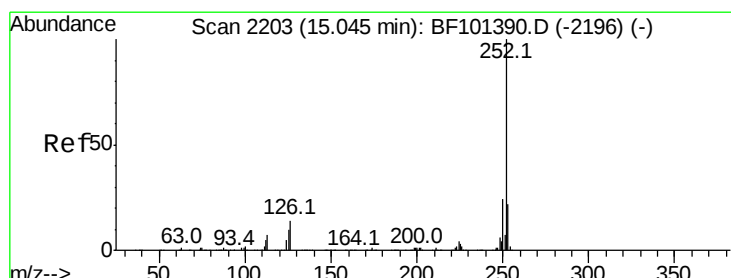
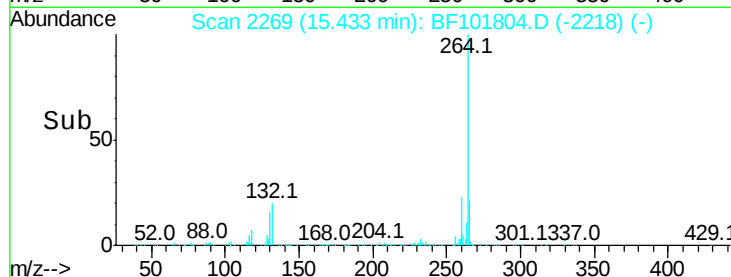
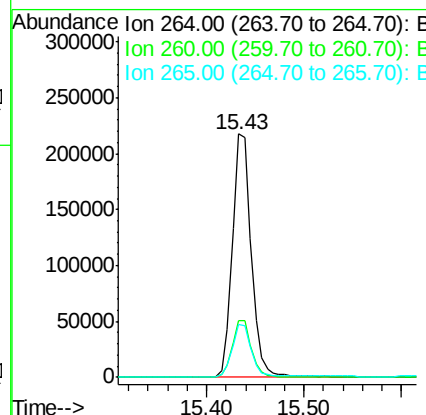
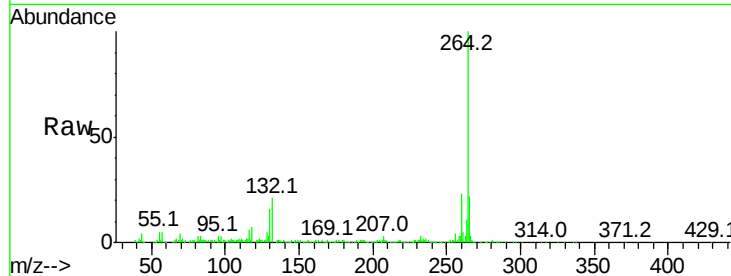
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampled :
S5-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.5	26.3

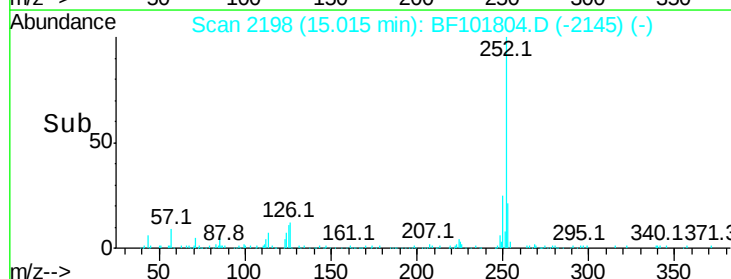
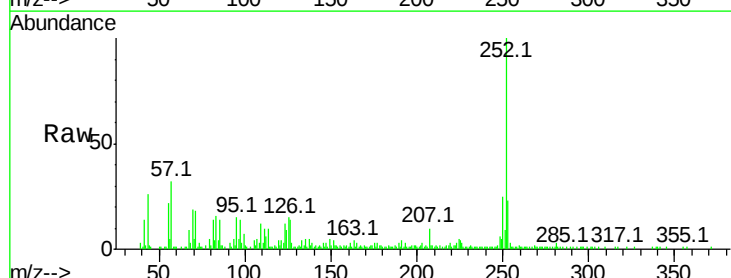
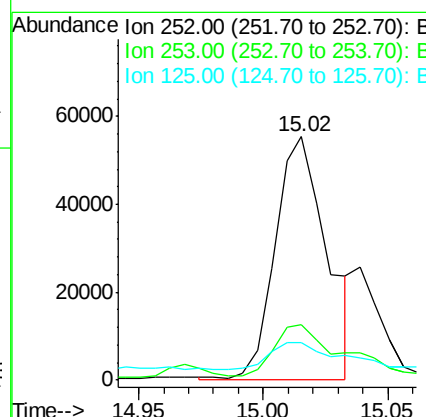
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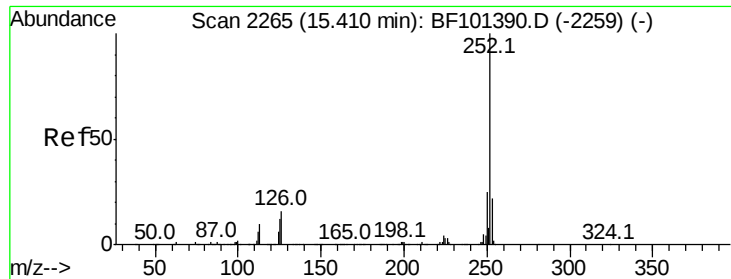
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#87
Benzo(b)fluoranthene
Concen: 4.476 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.4	9.0	13.6#





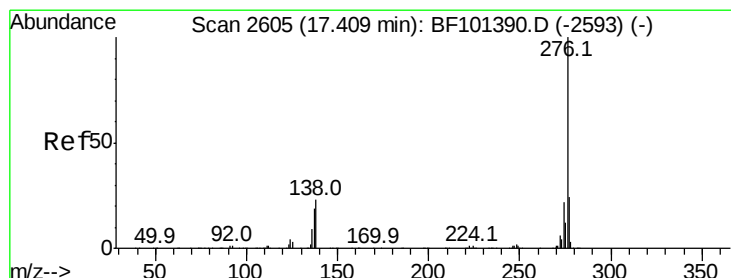
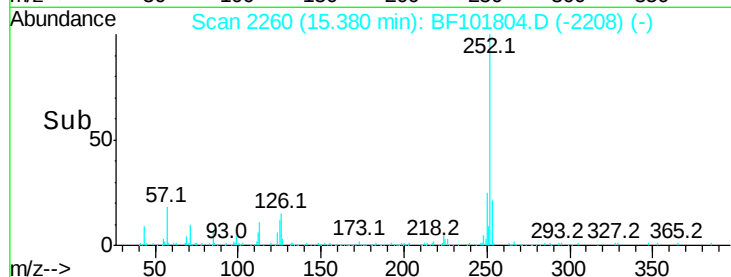
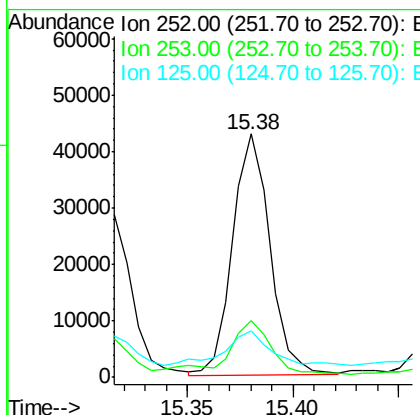
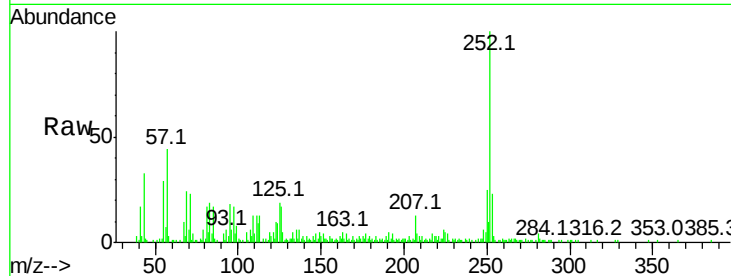
#89
Benzo(a)pyrene
Concen: 3.159 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampled :
S5-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	18.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.132 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	27.5	21.8	32.8

