

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102579.D
 Acq On : 29 Jan 2018 1:06
 Operator : SJ/JU
 Sample : J1325-01RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632RE

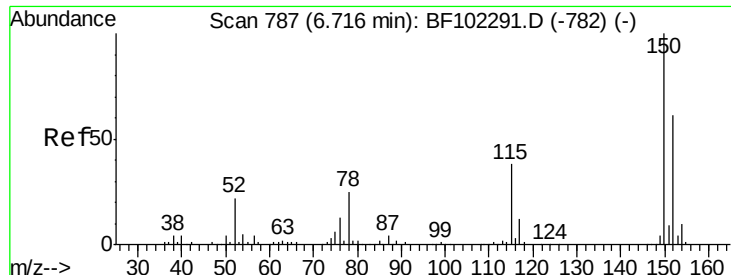
Manual Integrations
 APPROVED

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 1/29/2018 5:48:42 PM

Quant Time: Jan 29 06:17:43 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	146165	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	548255	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	201315	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	292846	20.00	ng	0.00
75) Chrysene-d12	13.88	240	279569	20.00	ng	0.00
86) Perylene-d12	15.31	264	212116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	974423	101.08	ng	0.01
7) Phenol-d6	6.36	99	1148536	98.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	676186	70.88	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	145464	72.92	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1073120	78.38	ng	0.00
78) Terphenyl-d14	12.82	244	781463	63.01	ng	0.00
Target Compounds						
10) Phenol	6.37	94	46566	3.670	ng	85
49) Dimethylphthalate	9.47	163	145668	8.754	ng	100
70) Phenanthrene	11.26	178	120784	7.078	ng	96
74) Fluoranthene	12.45	202	237642	13.656	ng	97
77) Pyrene	12.68	202	215590	9.974	ng	99
80) Benzo(a)anthracene	13.87	228	105008m	6.101	ng	
82) Chrysene	13.90	228	115332m	6.598	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	32994	2.286	ng	96
87) Benzo(b)fluoranthene	14.90	252	104737m	7.618	ng	
88) Benzo(k)fluoranthene	14.92	252	41048m	3.160	ng	
89) Benzo(a)pyrene	15.25	252	69435	5.600	ng	# 94
91) Benzo(a,h,i)perylene	17.14	276	33127	3.340	ng	92

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



#1

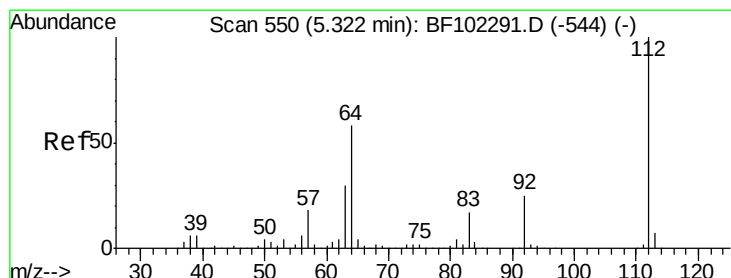
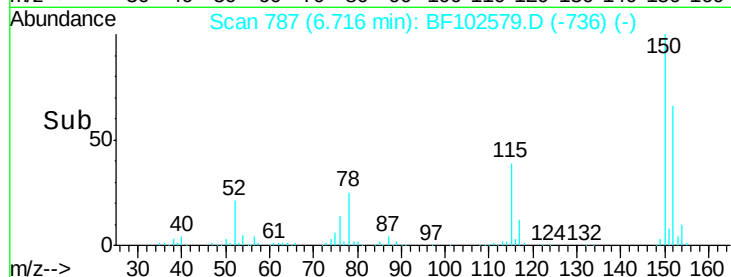
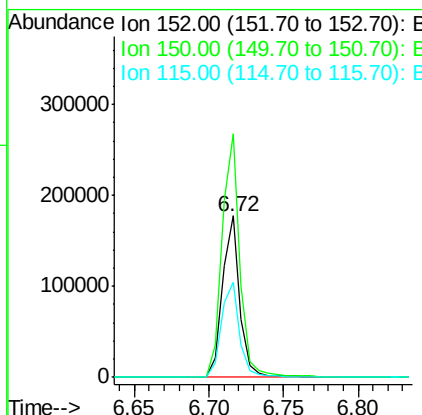
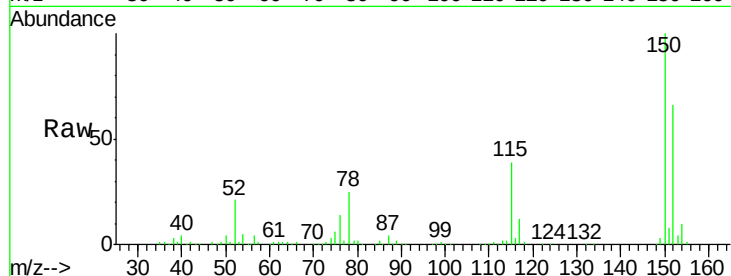
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.6	186.8
115	59.1	50.1	75.1

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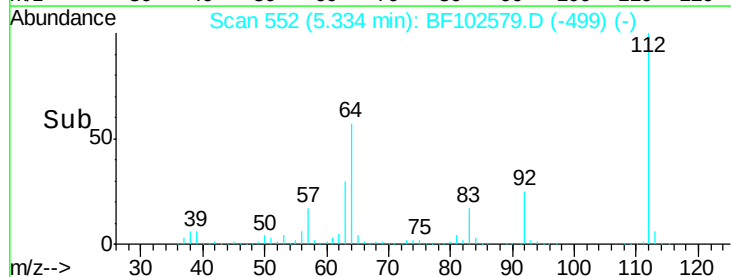
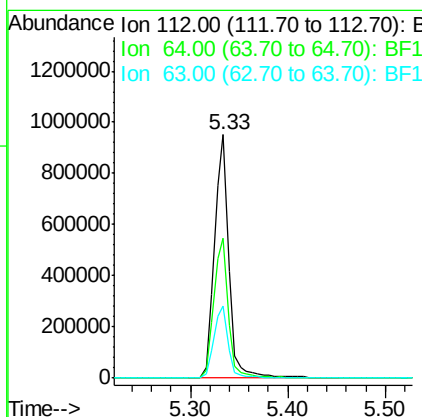
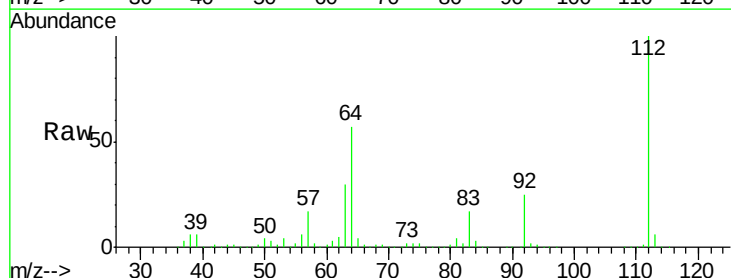
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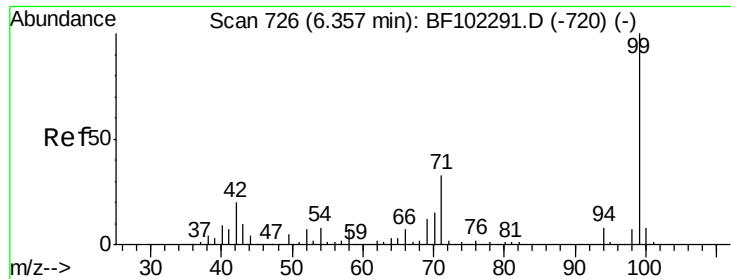


#5

2-Fluorophenol
Concen: 101.083 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 98.827 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

RO-4632RE

Tot Ion: 99 Resp: 1148536

Ion Ratio Lower Upper

99 100

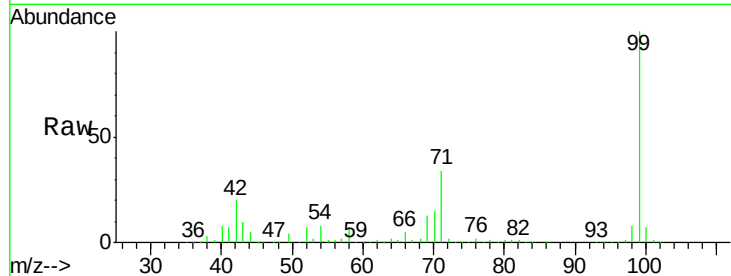
42 19.8 14.5 21.7

71 33.5 25.4 38.0

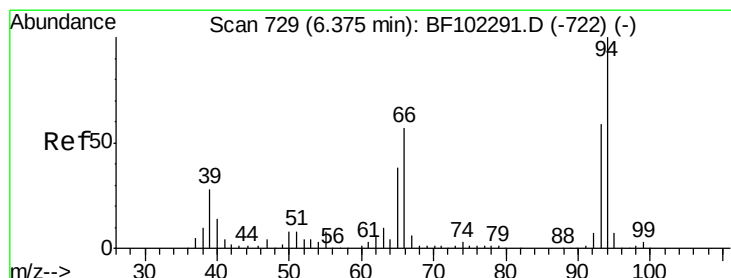
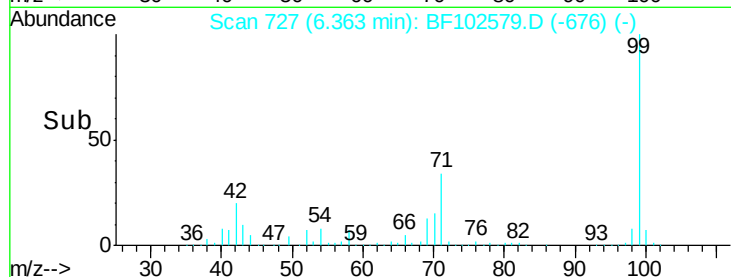
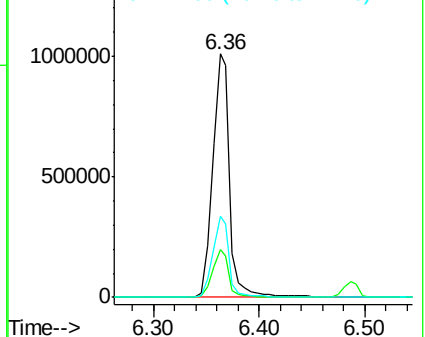
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.670 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

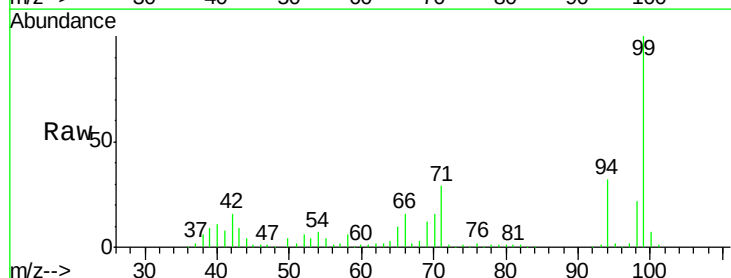
Tgt Ion: 94 Resp: 46566

Ion Ratio Lower Upper

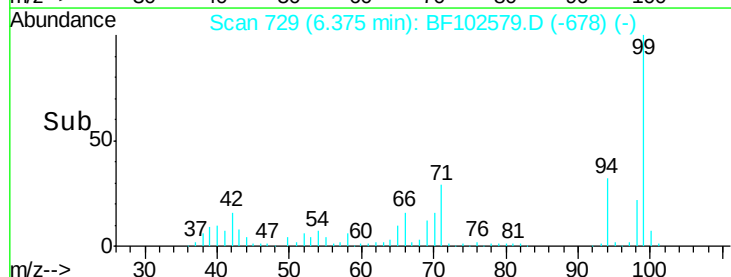
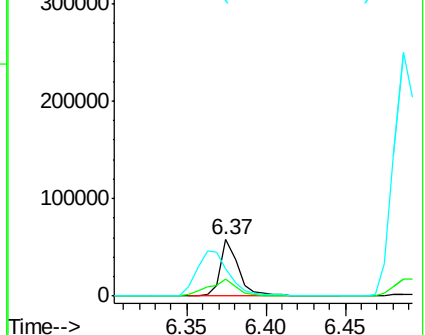
94 100

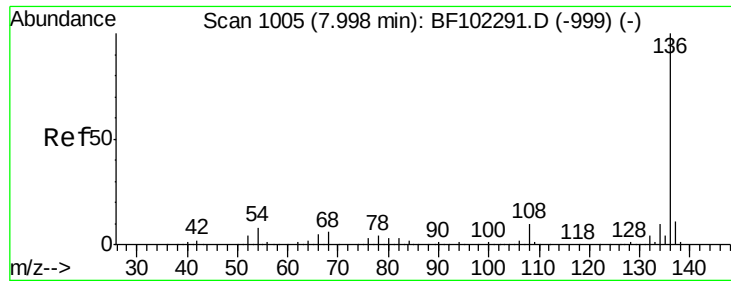
65 31.2 7.9 47.9

66 49.5 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





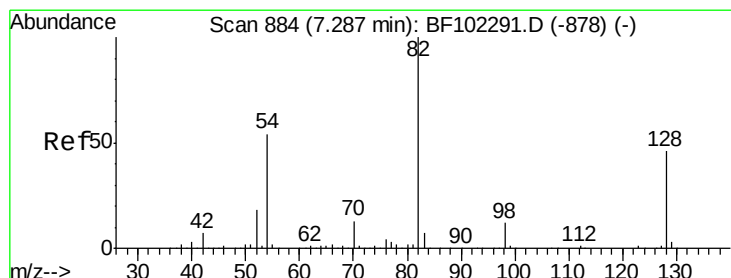
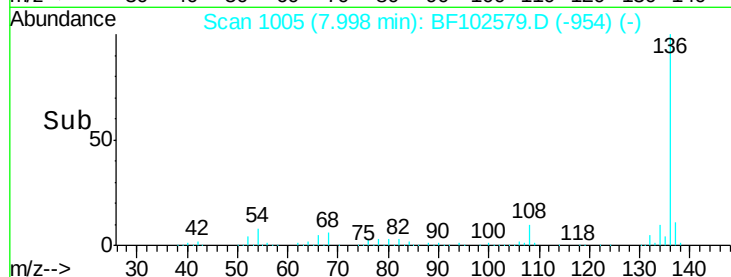
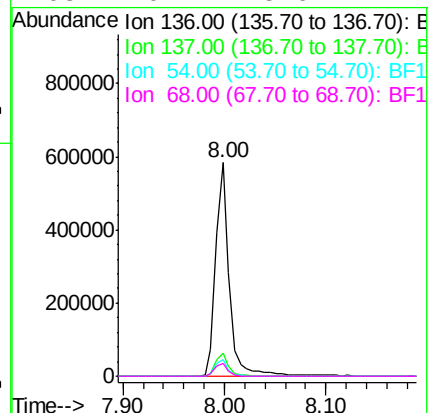
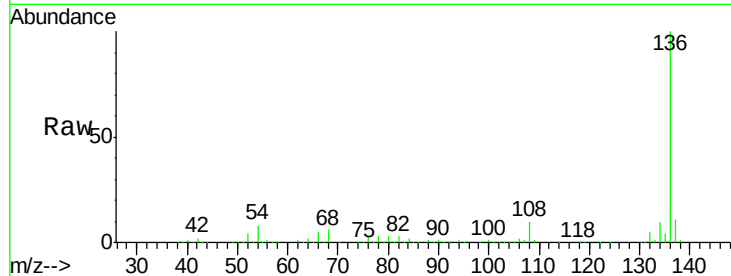
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	548255		
137	10.9		8.9	13.3
54	8.0		6.6	9.8
68	6.1		5.0	7.4

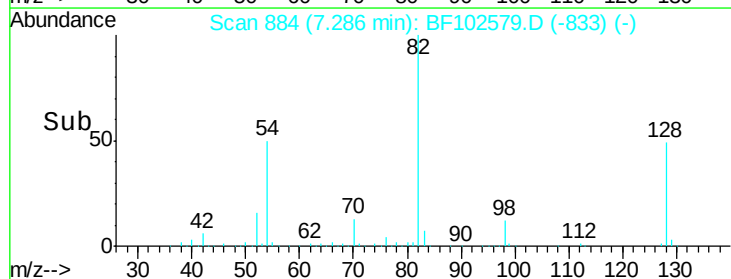
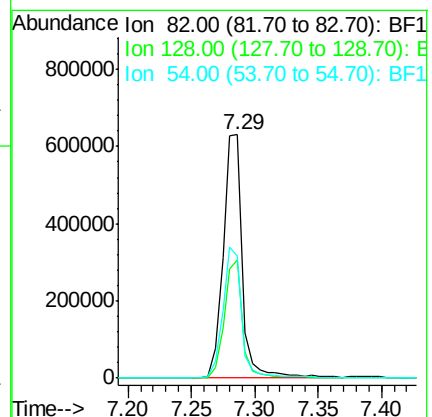
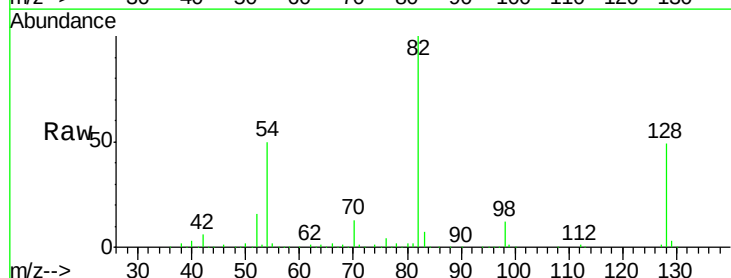
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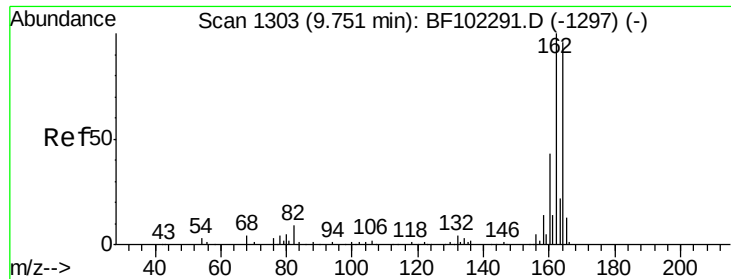
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#23
Nitrobenzene-d5
Concen: 70.876 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	676186		
128	48.7		36.1	54.1
54	50.3		41.4	62.2





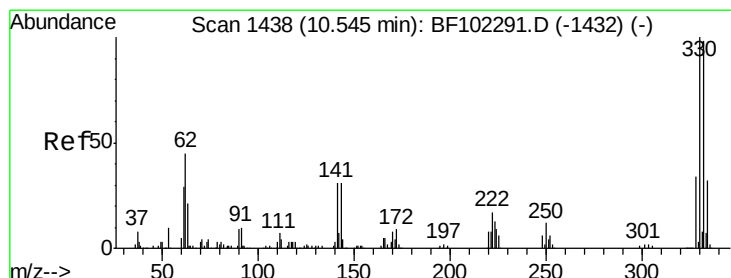
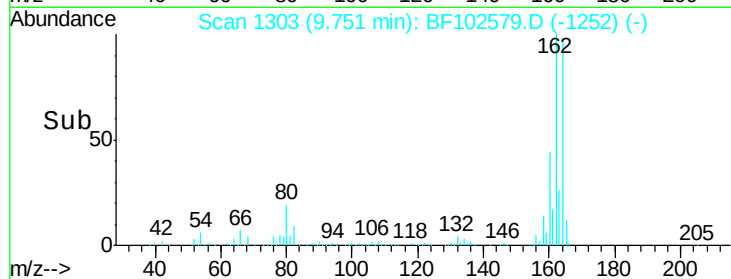
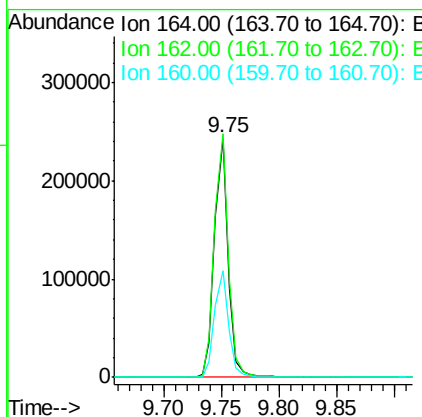
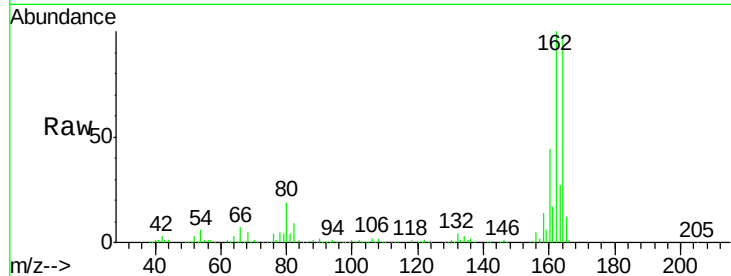
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

Instrument :
 BNA_F
 ClientSampleId :
 RO-4632RE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	201315		
162	101.9	86.1	129.1	
160	44.4	38.3	57.5	

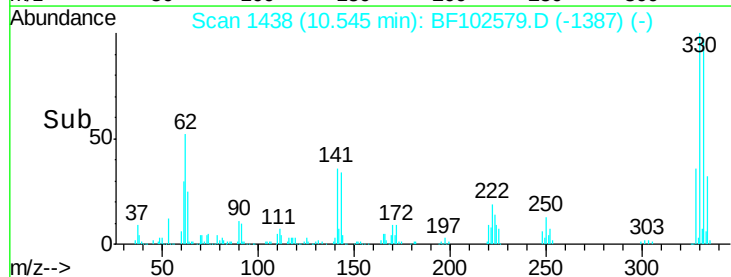
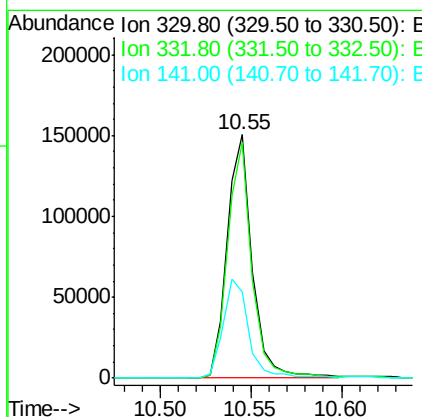
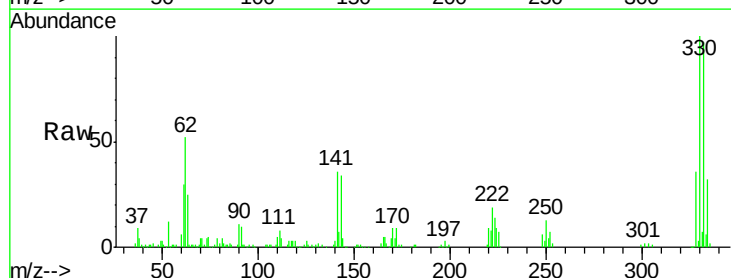
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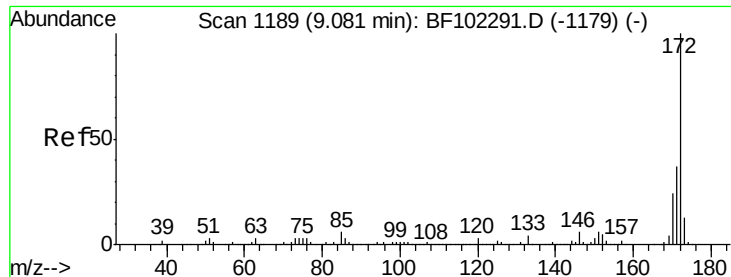
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#41
 2,4,6-Tribromophenol
 Concen: 72.924 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	145464		
332	95.8	77.0	115.6	
141	41.8	29.9	44.9	





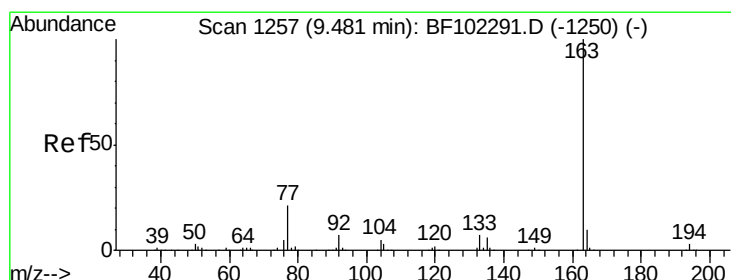
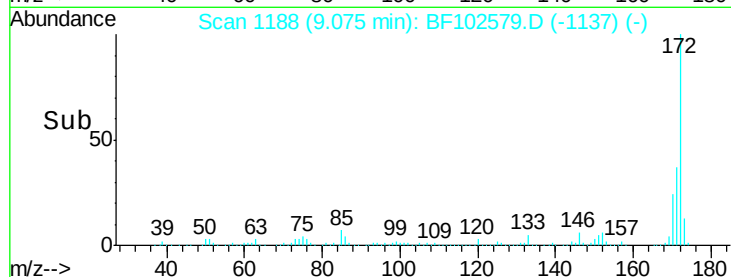
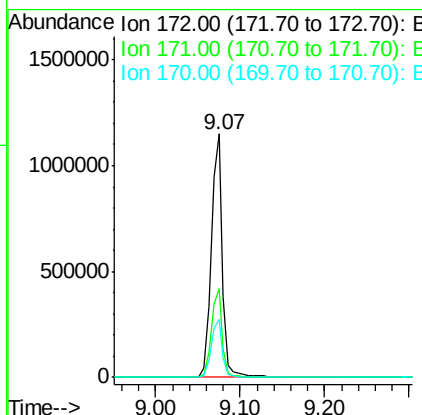
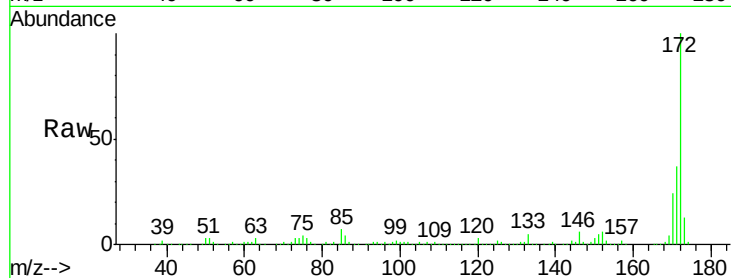
#44
2-Fluorobiphenyl
Concen: 78.378 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion:172 Resp: 1073120
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.0 19.6 29.4

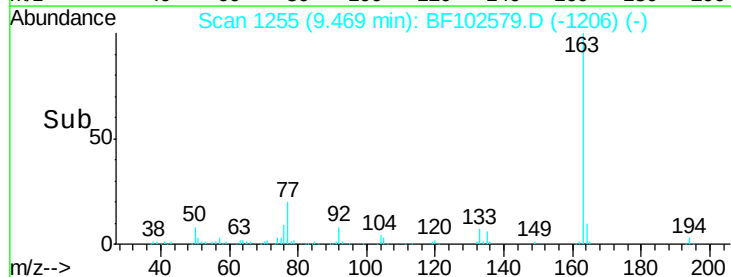
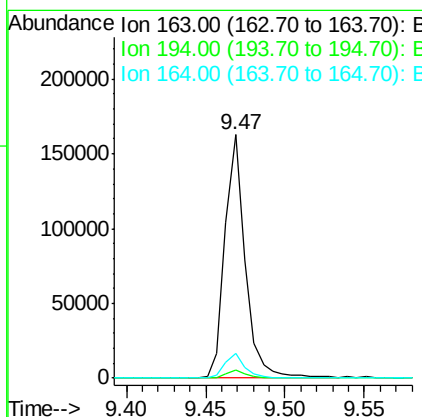
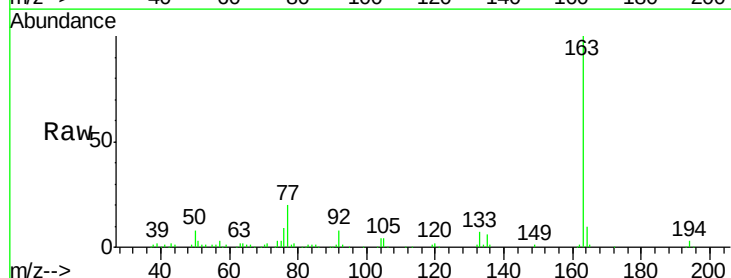
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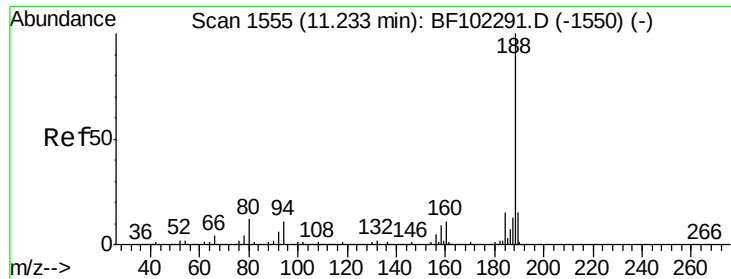
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#49
Dimethylphthalate
Concen: 8.754 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion:163 Resp: 145668
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 8.2 12.2





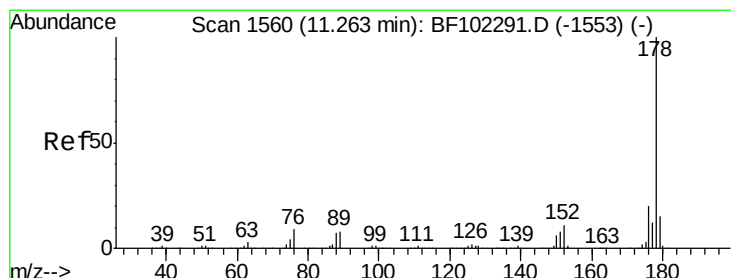
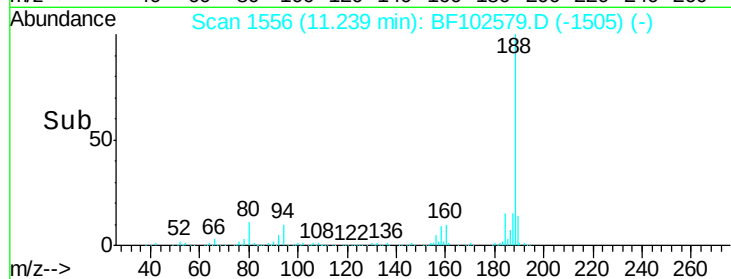
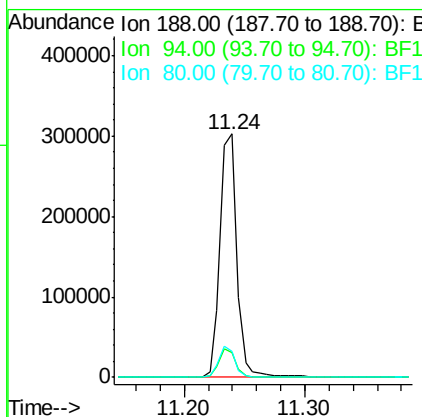
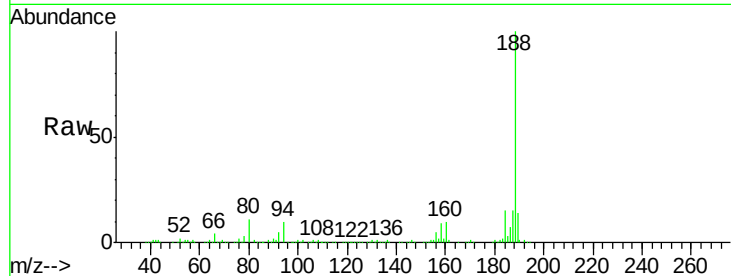
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	292846		
94	10.3		8.5	12.7
80	10.8		9.2	13.8

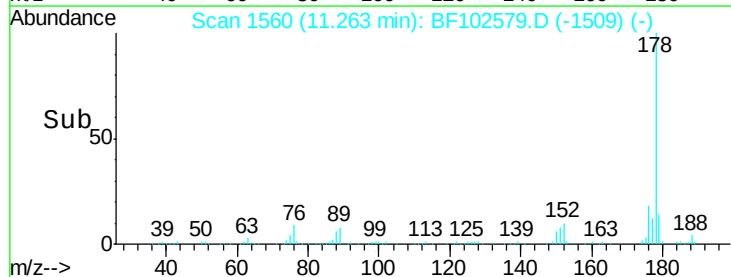
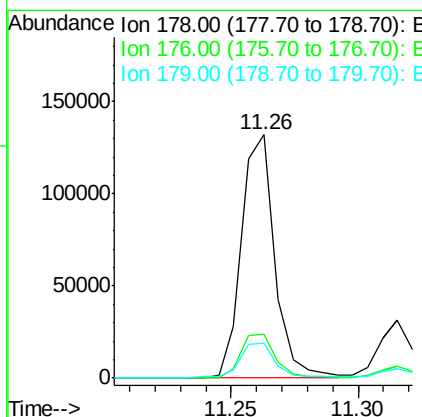
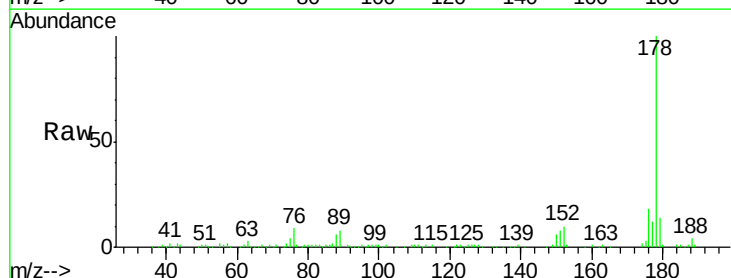
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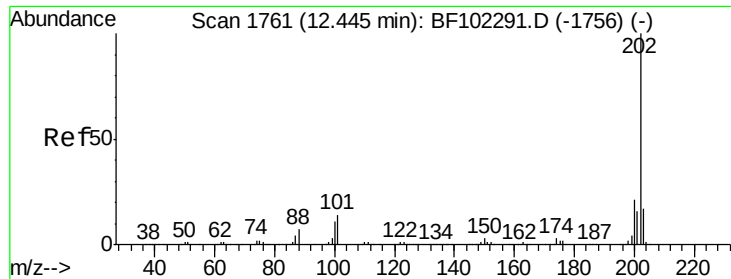
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#70
Phenanthrene
Concen: 7.078 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	120784		
176	18.3		15.8	23.8
179	14.3		13.0	19.6





#74

Fluoranthene

Concen: 13.656 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

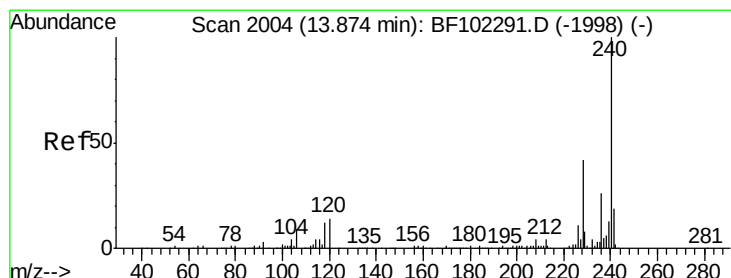
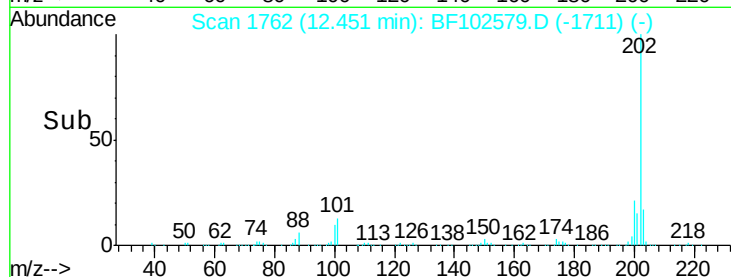
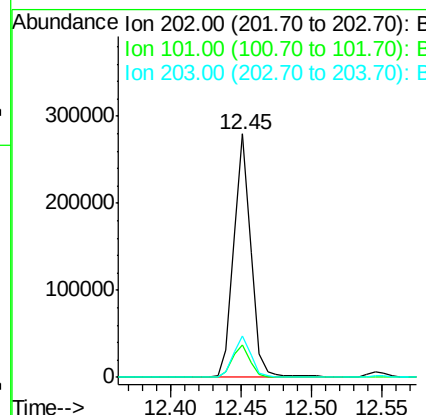
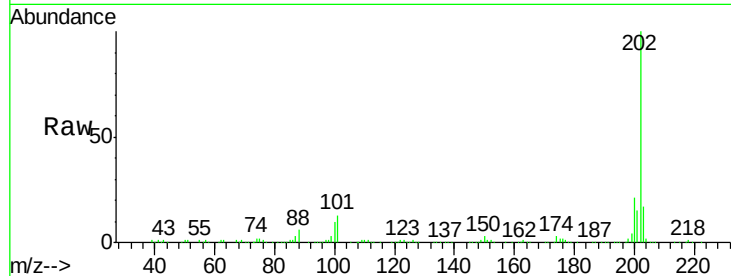
ClientSampleId :

RO-4632RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	34.1
203	16.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

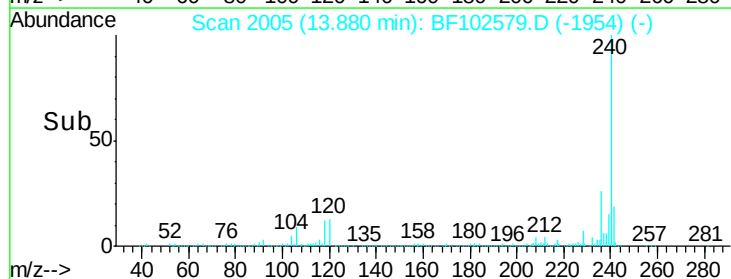
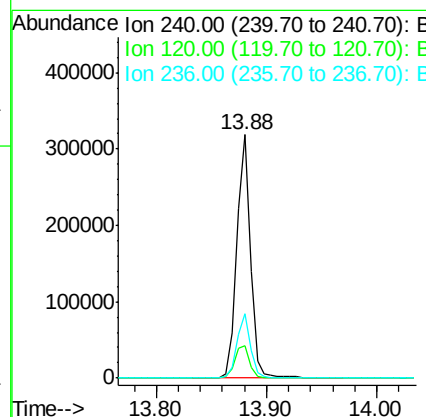
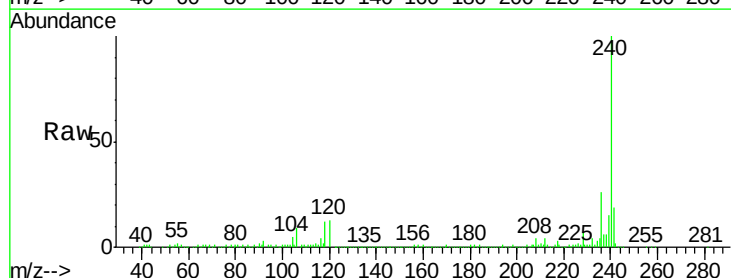
RT: 13.88 min Scan# 2005

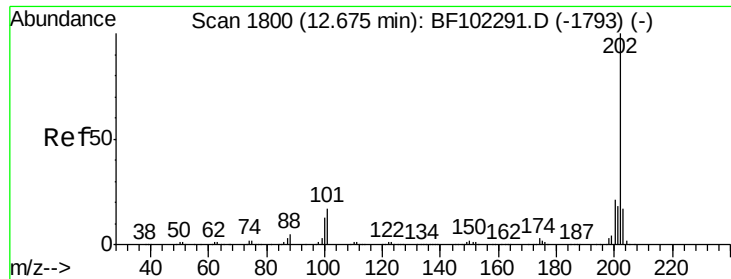
Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	9.5	14.3
236	26.4	20.7	31.1





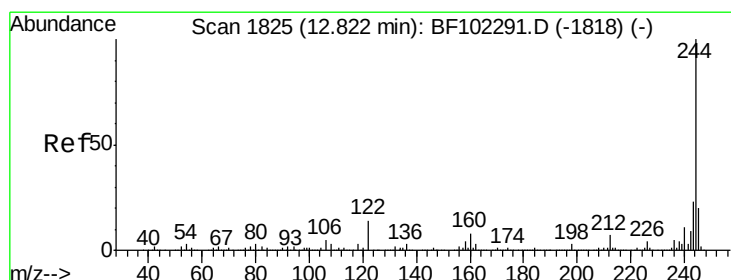
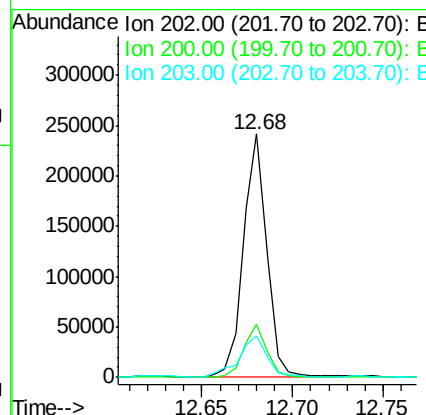
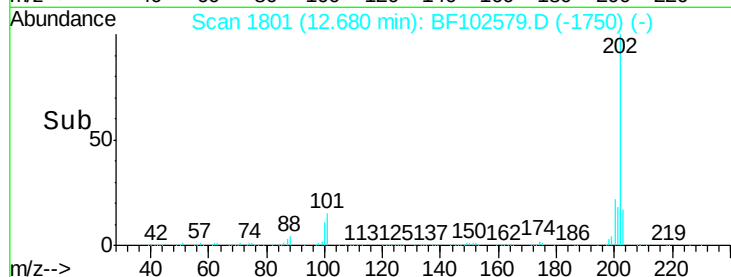
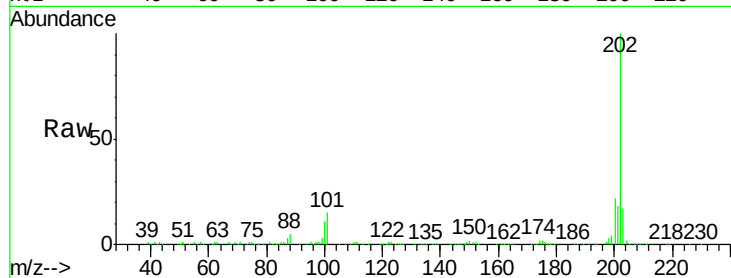
#77
Pvrene
Concen: 9.974 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	16.9	14.3	21.5

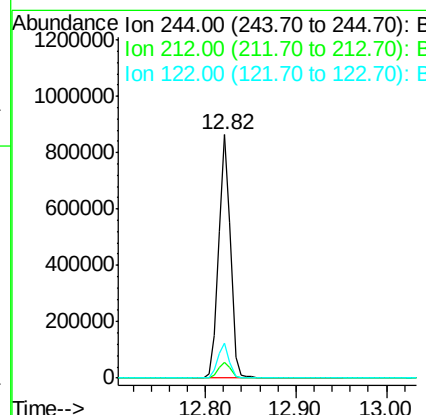
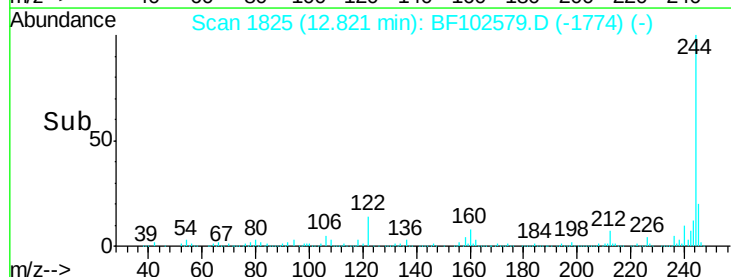
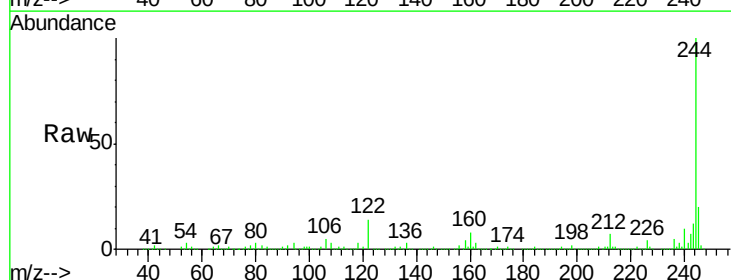
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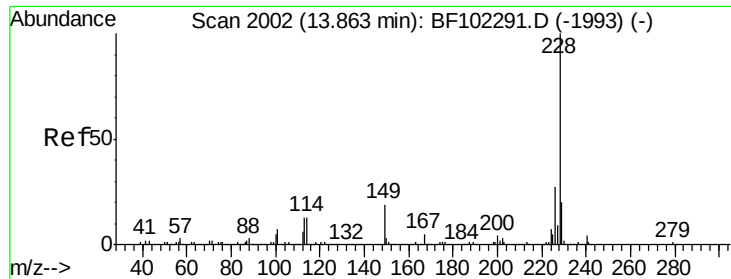
Sohil
1/29/2018 5:48:42 PM



#78
Terphenyl-d14
Concen: 63.015 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.2	11.0	16.4





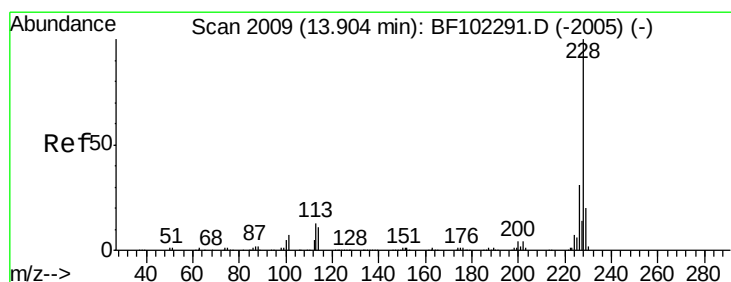
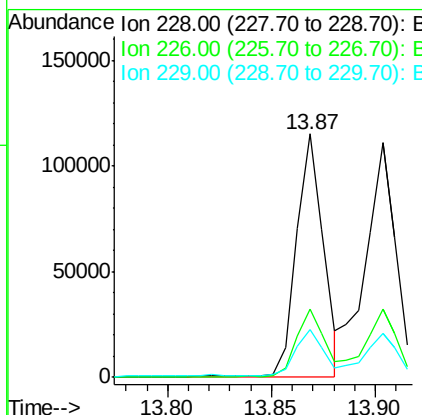
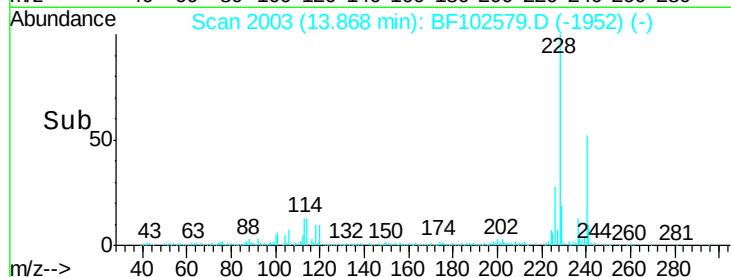
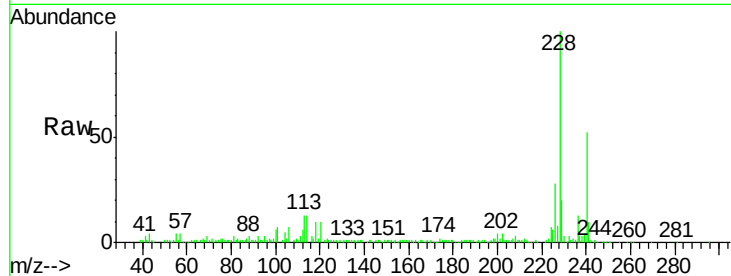
#80
Benzo(a)anthracene
Concen: 6.101 ng m
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	19.5	15.8	23.6

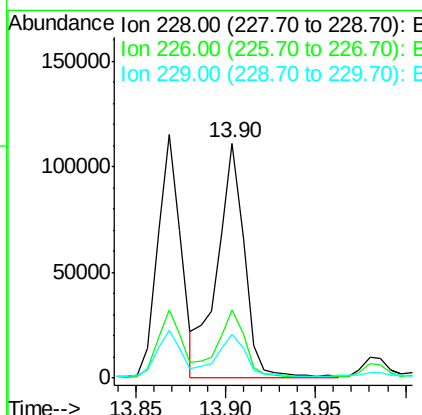
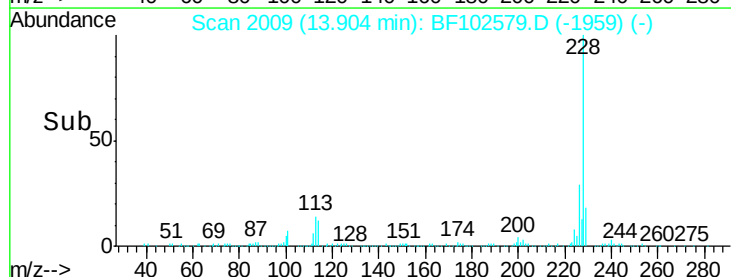
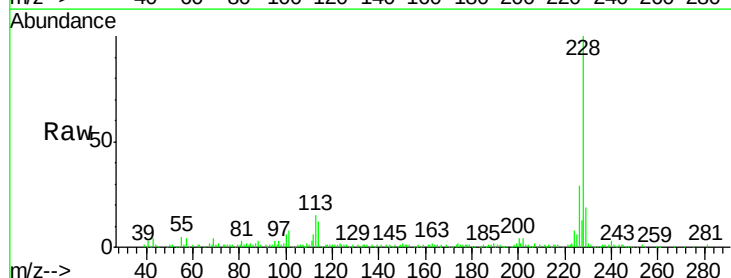
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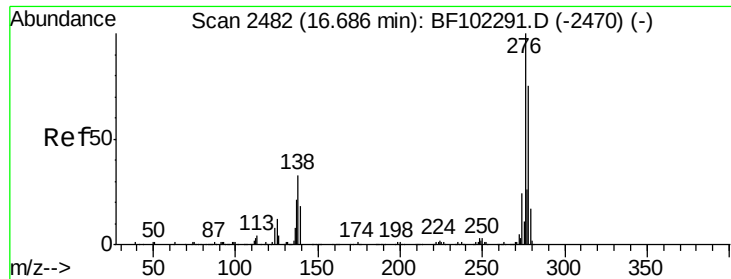
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#82
Chrysene
Concen: 6.598 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	18.8	16.2	24.4





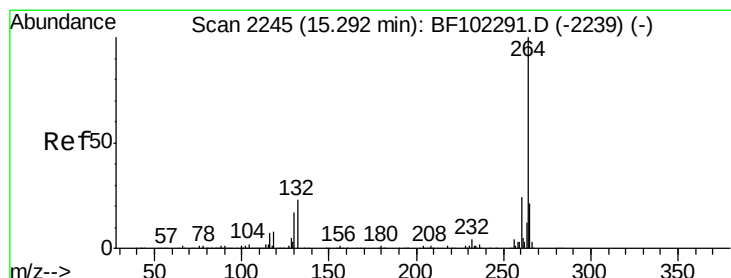
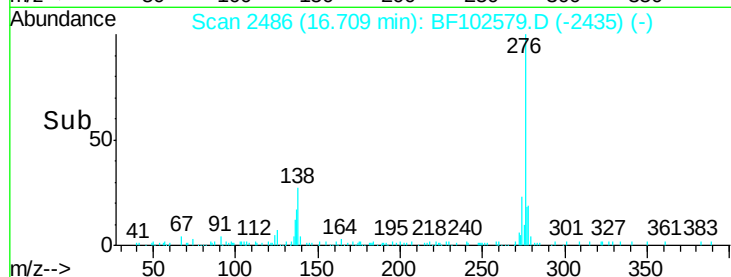
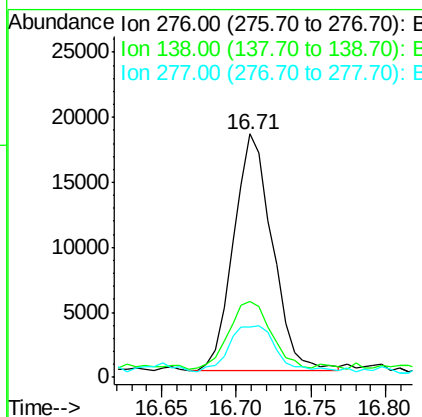
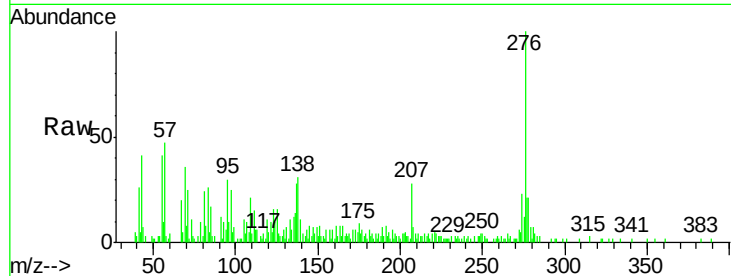
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.286 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.0	25.0	37.6
277	23.4	20.1	30.1

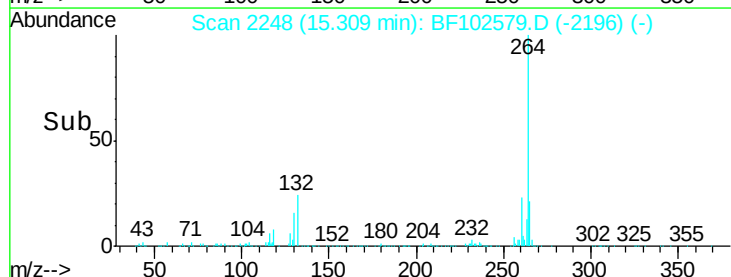
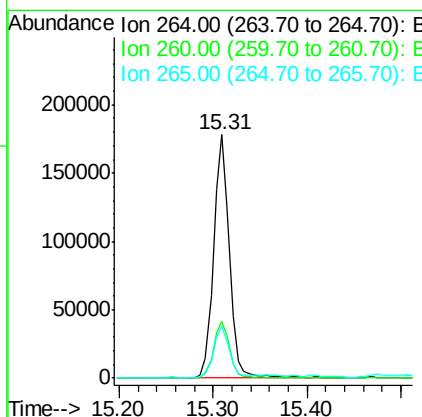
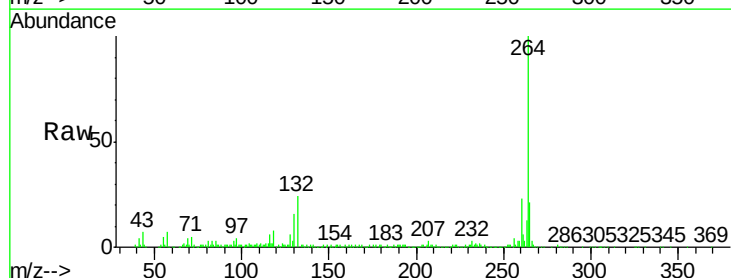
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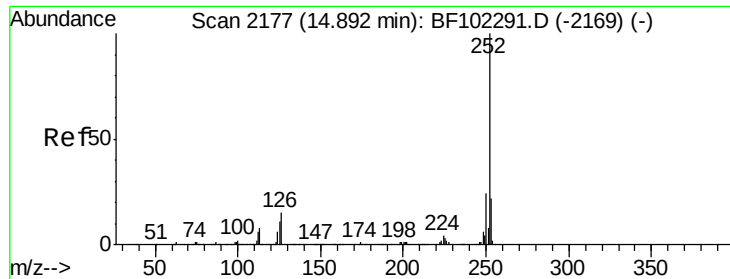
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.618 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

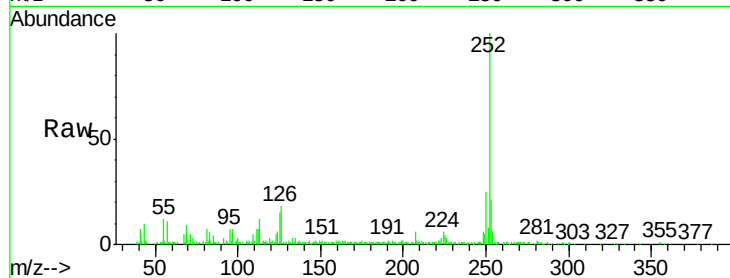
ClientSampled :

RO-4632RE

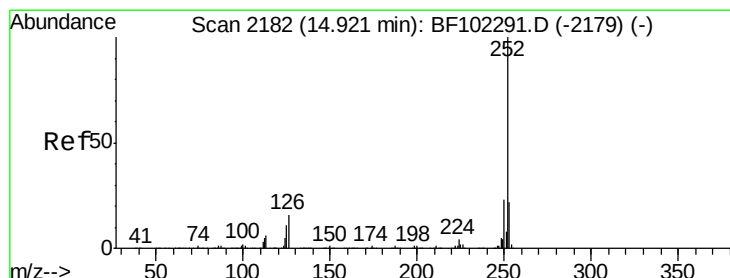
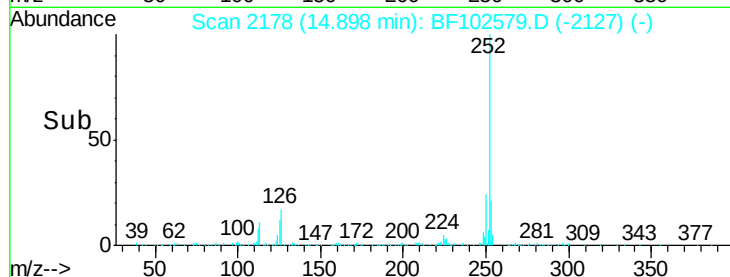
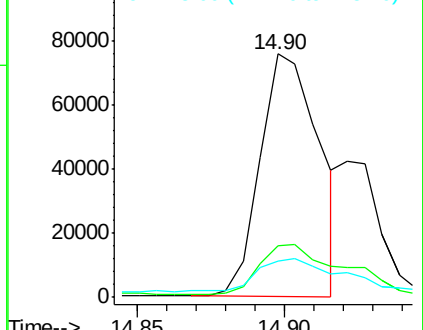
Tot Ion:	252	Resp:	104737
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.0	25.6
125	15.0	9.0	13.6#

Manual Integrations
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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: 3.160 ng m

RT: 14.92 min Scan# 2182

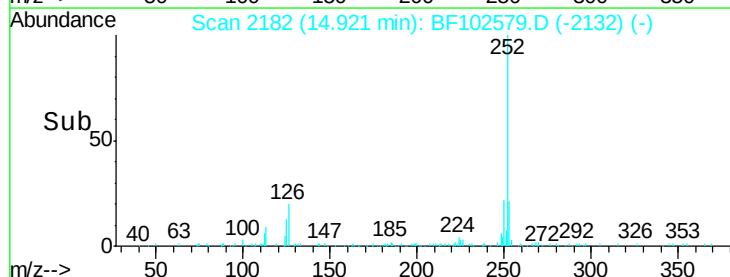
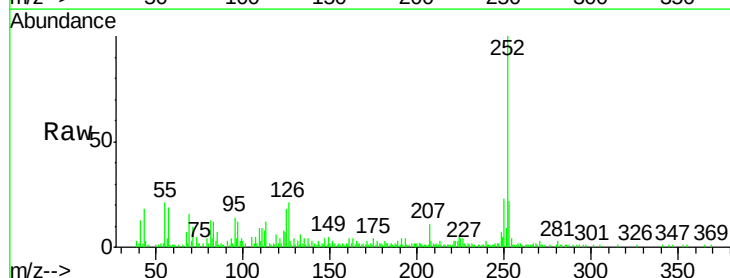
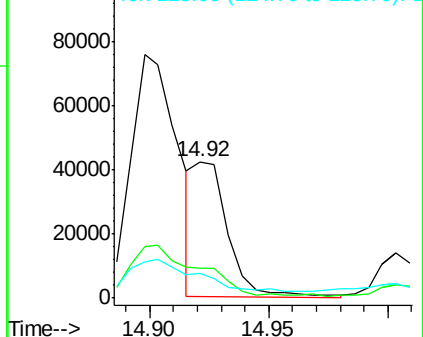
Delta R.T. -0.01 min

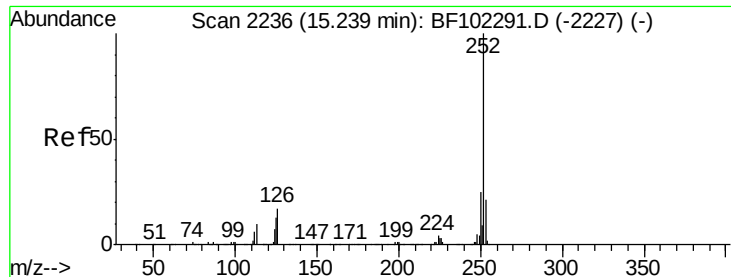
Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Tgt Ion:	252	Resp:	41048
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	18.0	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





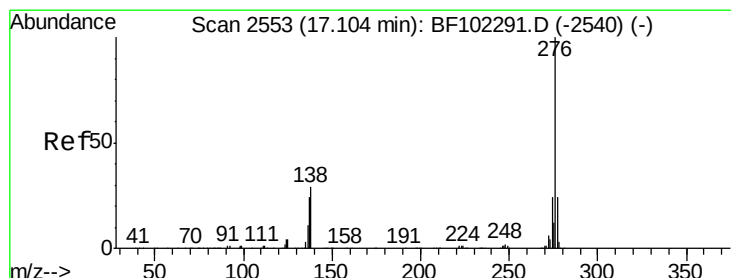
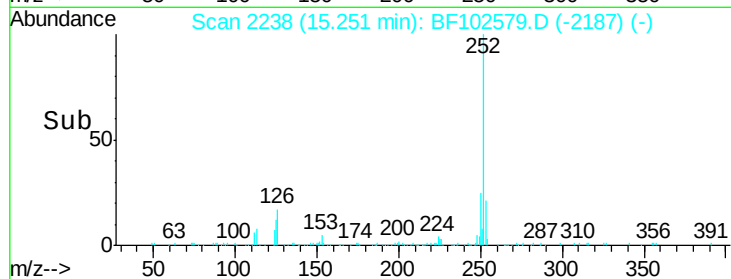
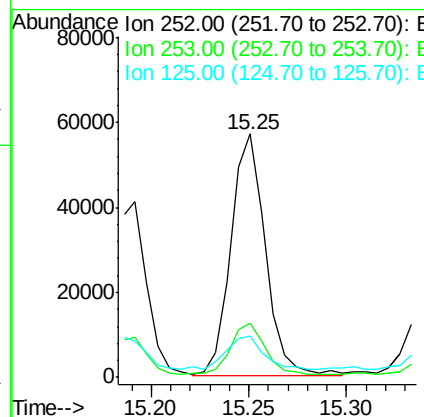
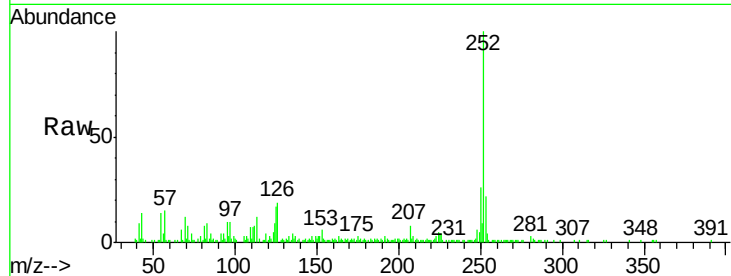
#89
Benzo(a)pyrene
Concen: 5.600 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :
RO-4632RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.7	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.340 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	32.6	21.8	32.8

