

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103573.D
 Acq On : 12 Mar 2018 11:19
 Operator : SJ/JU
 Sample : J1874-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 MHC-WCIS

Manual Integrations
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Sohil
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Quant Time: Mar 12 12:57:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	140038	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	585939	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	254679	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	377642	20.00	ng	0.00
75) Chrysene-d12	14.06	240	226803	20.00	ng	0.00
86) Perylene-d12	15.57	264	201468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	670553	72.42	ng	0.00
7) Phenol-d6	6.50	99	830896	73.34	ng	0.00
23) Nitrobenzene-d5	7.43	82	495451	48.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	114982	53.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	742494	44.46	ng	0.00
78) Terphenyl-d14	12.98	244	470312	49.85	ng	0.00
Target Compounds						
9) Benzaldehyde	6.41	77	1520	Below Cal		Qvalue # 1
31) Naphthalene	8.16	128	168332	5.868	ng	99
37) 2-Methylnaphthalene	8.86	142	91141	4.916	ng	97
49) Dimethylphthalate	9.61	163	76804	3.759	ng	99
51) Acenaphthene	9.93	154	38943	2.571	ng	98
54) Dibenzofuran	10.11	168	59861	2.879	ng	94
57) Fluorene	10.45	166	58938	3.327	ng	97
70) Phenanthrene	11.42	178	457241	22.001	ng	99
71) Anthracene	11.47	178	140051	6.572	ng	100
74) Fluoranthene	12.62	202	366203	17.535	ng	98
77) Pyrene	12.85	202	315408	17.837	ng	100
80) Benzo(a)anthracene	14.04	228	122784	8.344	ng	# 94
82) Chrysene	14.09	228	118968m	8.326	ng	
85) Indeno(1,2,3-cd)pyrene	17.14	276	42325	3.742	ng	94
87) Benzo(b)fluoranthene	15.13	252	125201m	9.452	ng	
88) Benzo(k)fluoranthene	15.16	252	36748m	2.946	ng	
89) Benzo(a)pyrene	15.52	252	89550	7.570	ng	# 81
91) Benzo(g,h,i)perylene	17.62	276	44961	5.033	ng	# 89

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

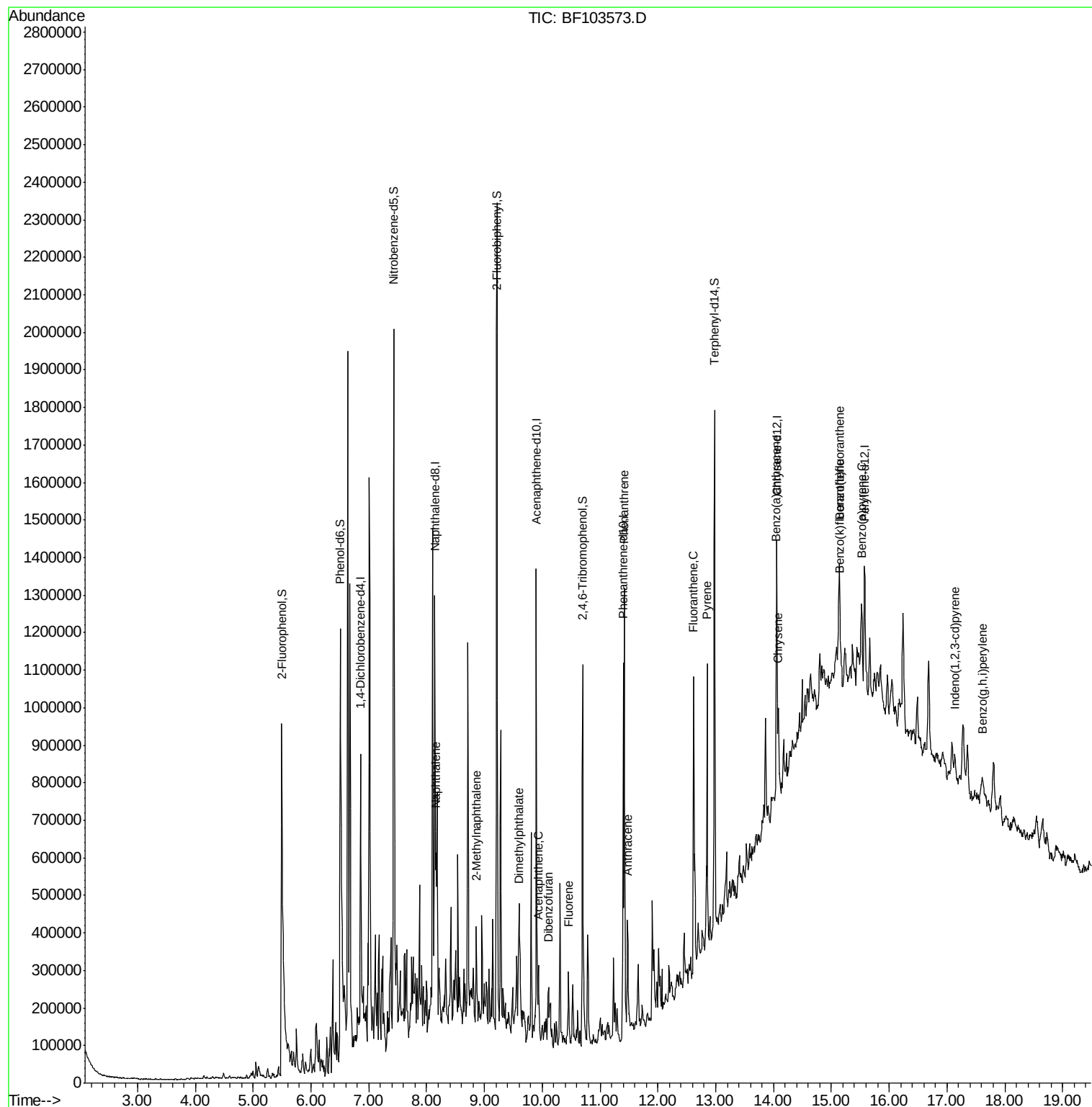
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
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ALS Vial : 4 Sample Multiplier: 1

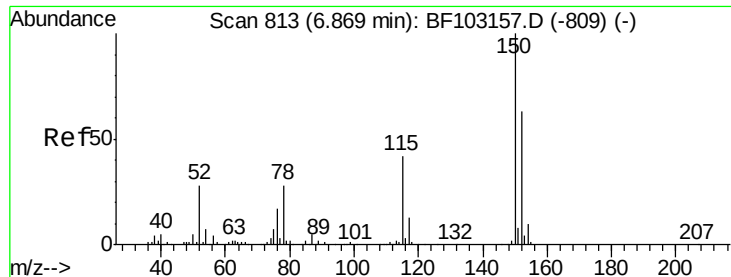
Instrument :
BNA_F
ClientSampleId :
MHC-WCIS

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#1

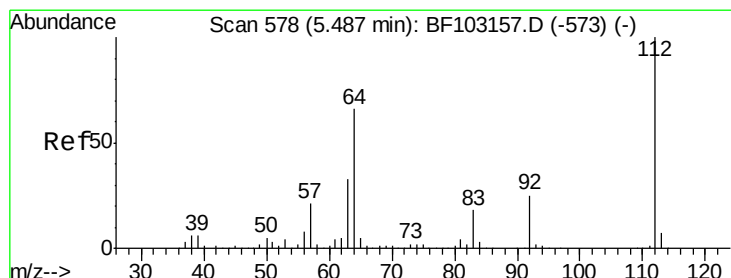
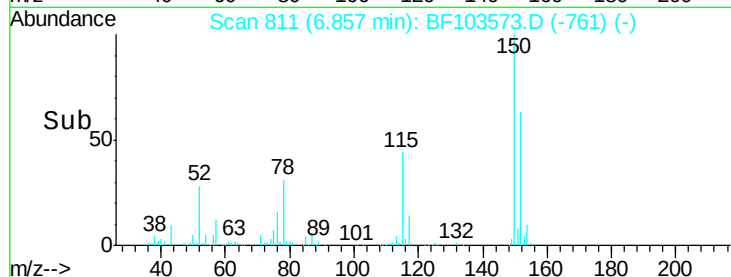
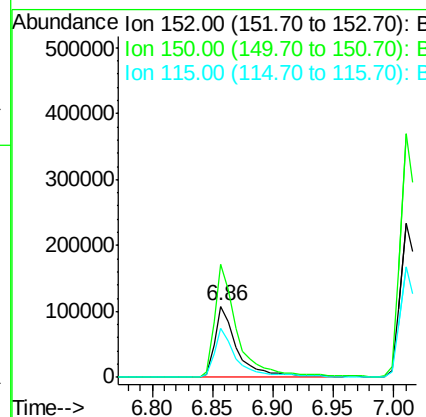
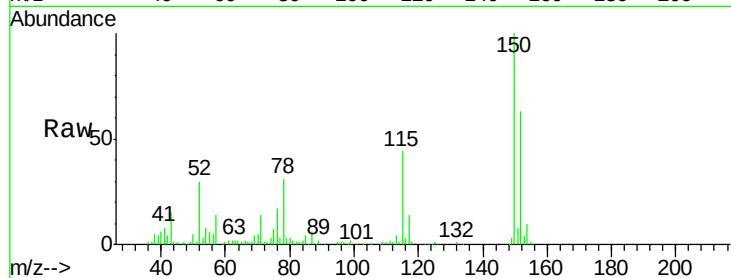
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampleId :
MHC-WCIS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	69.5	50.1	75.1

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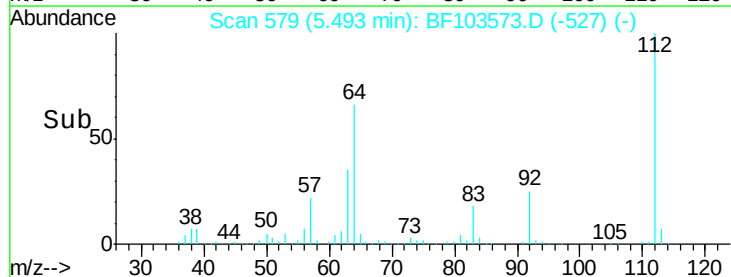
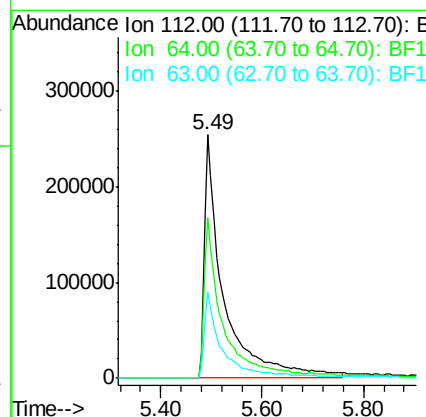
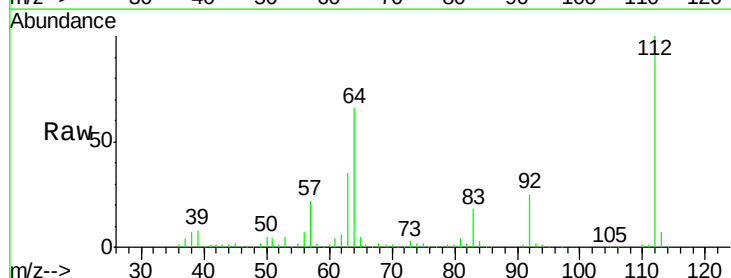
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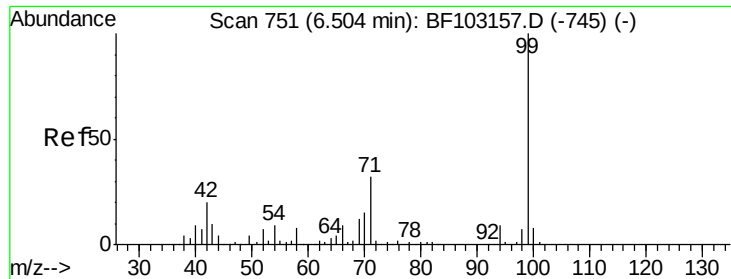


#5

2-Fluorophenol
Concen: 72.421 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	35.3	23.7	35.5





#7

Phenol-d6

Concen: 73.336 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

Instrument :

BNA_F

ClientSampled :

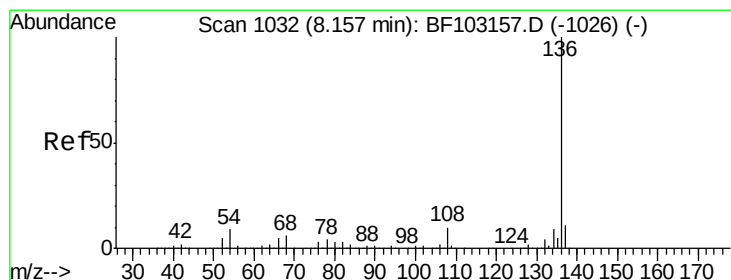
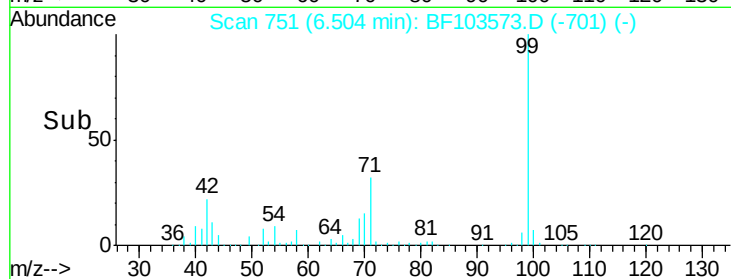
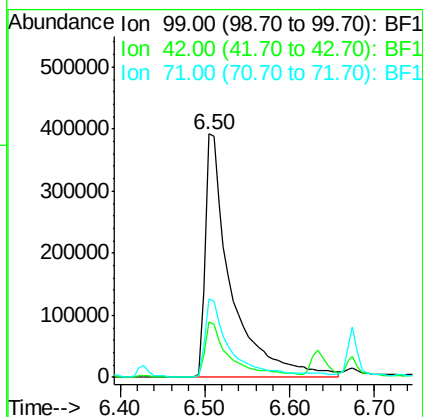
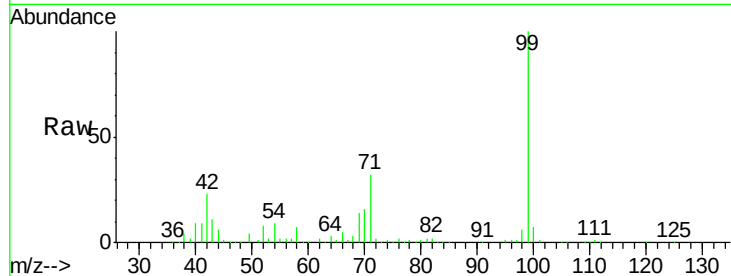
MHC-WCIS

Tot Ion: 99 Resp: 830896

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	32.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

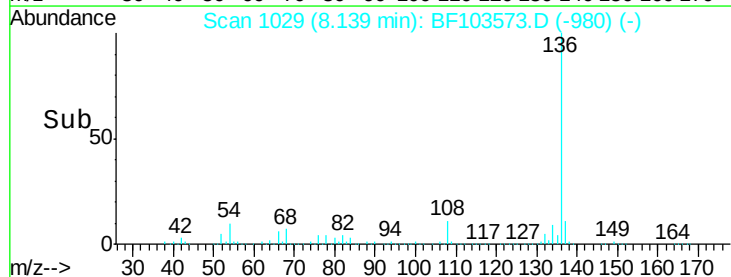
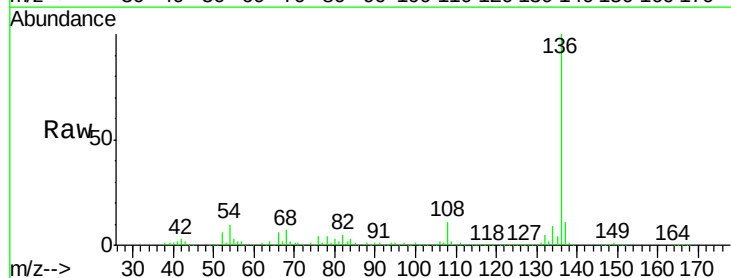
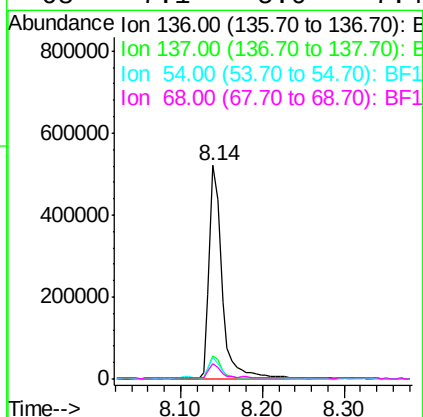
Delta R.T. -0.01 min

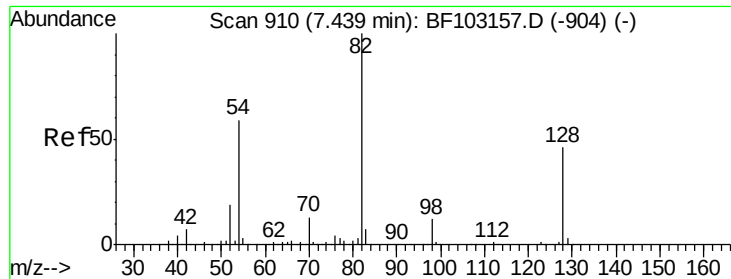
Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

Tgt Ion: 136 Resp: 585939

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.2	6.6	9.8#
68	7.1	5.0	7.4





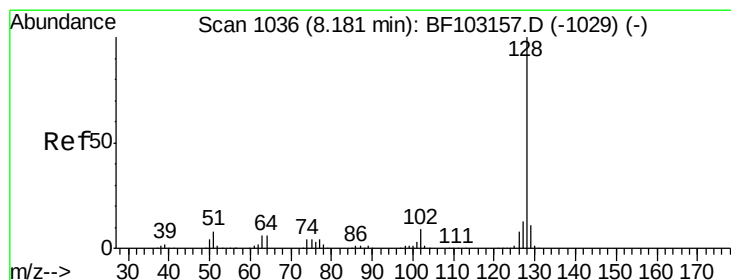
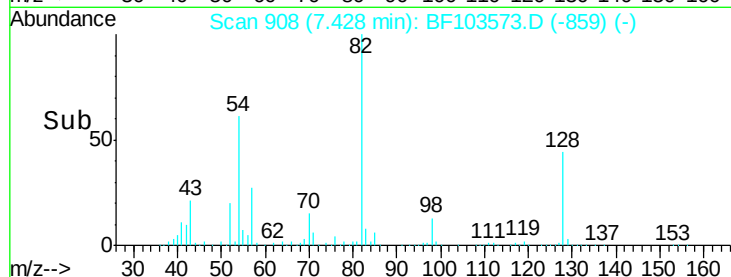
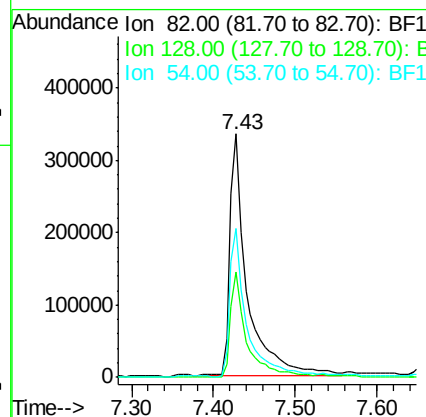
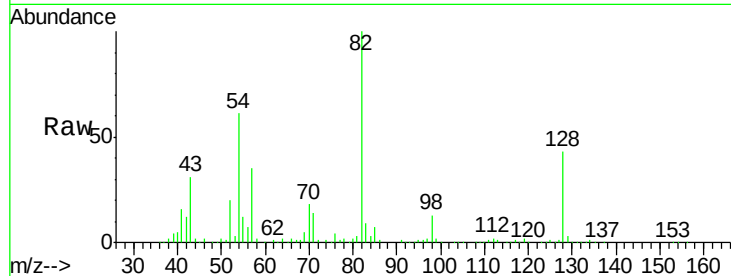
#23
Nitrobenzene-d5
Concen: 48.289 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampled :
MHC-WCIS

Tot Ion:	82	Resp:	495451
Ion Ratio	Lower	Upper	
82	100		
128	43.5	36.1	54.1
54	61.3	41.4	62.2

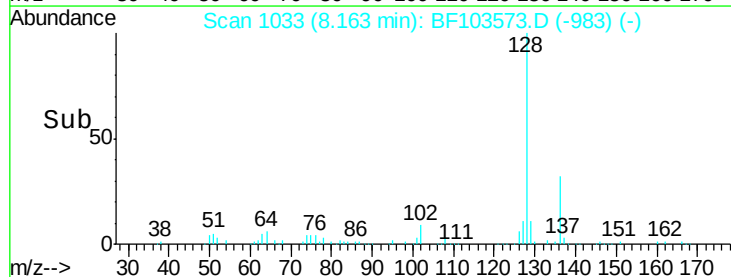
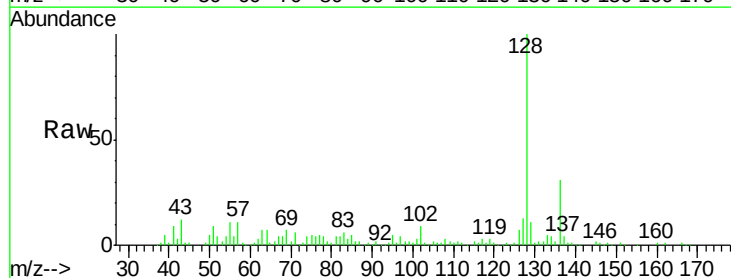
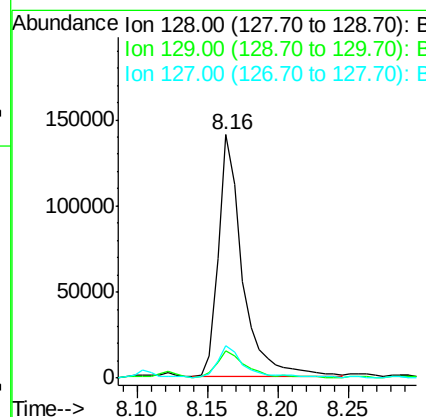
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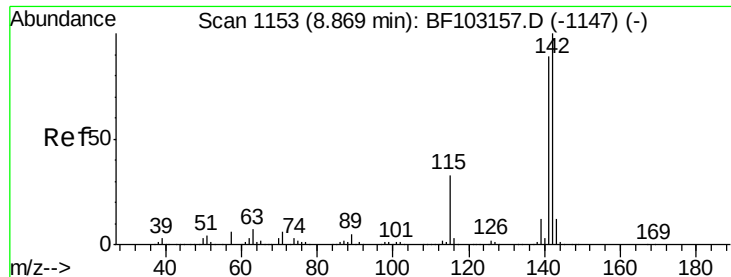
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#31
Naphthalene
Concen: 5.868 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion:	128	Resp:	168332
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.8	13.2
127	13.5	10.9	16.3





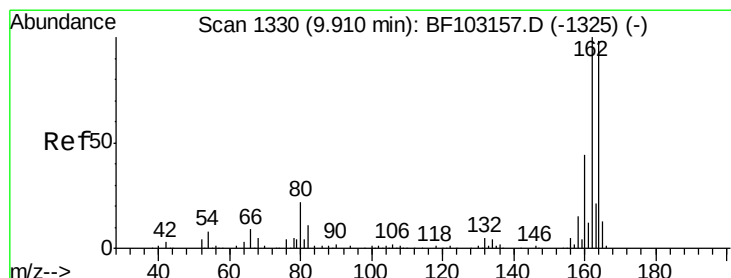
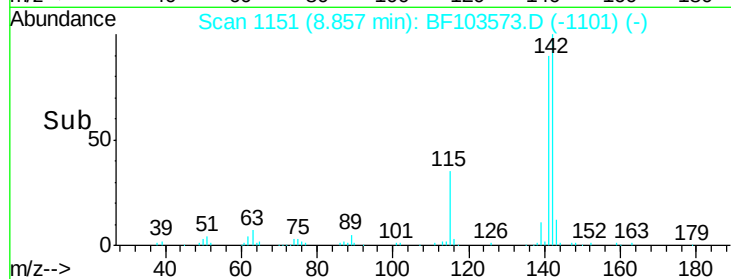
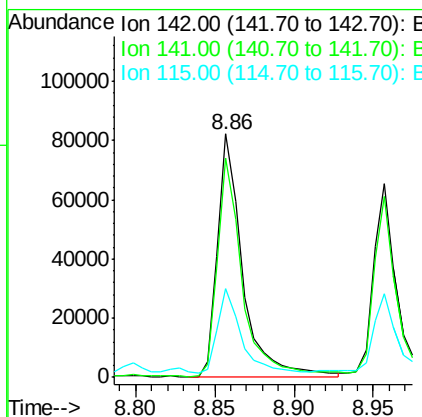
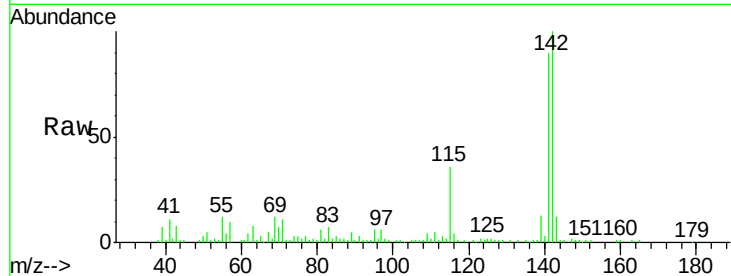
#37
 2-Methylnaphthalene
 Concen: 4.916 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Instrument :
 BNA_F
 ClientSampled :
 MHC-WCIS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	36.3	26.1	39.1

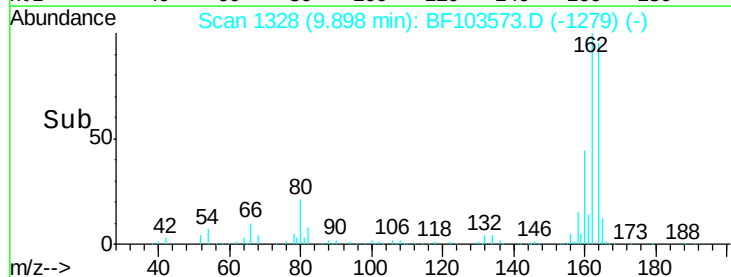
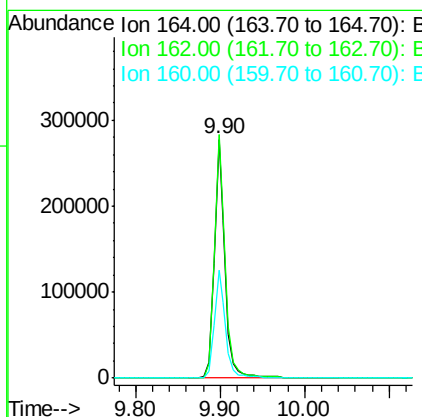
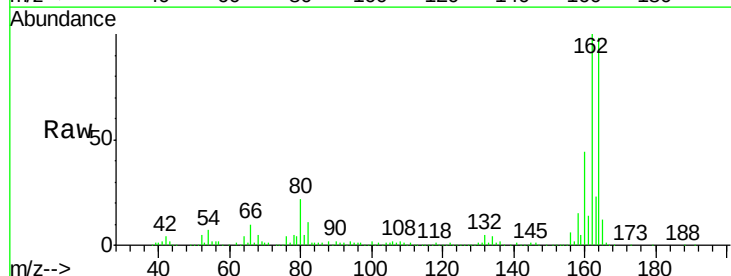
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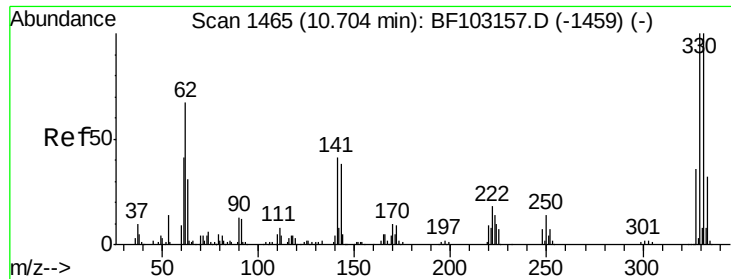
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.2	38.3	57.5





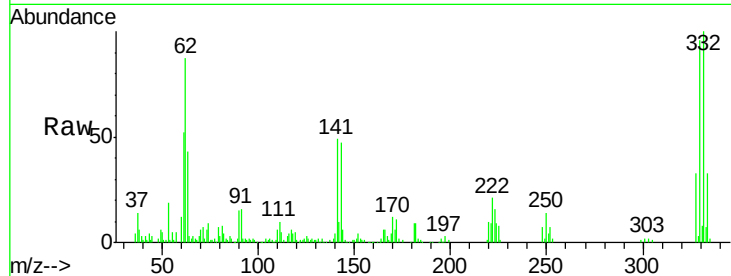
#41
 2,4,6-Tribromophenol
 Concen: 53.338 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Instrument :
 BNA_F
 ClientSampled :
 MHC-WCIS

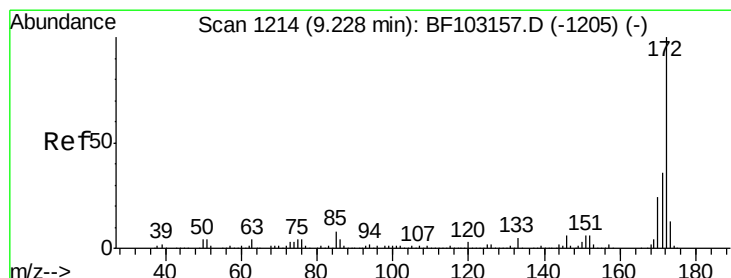
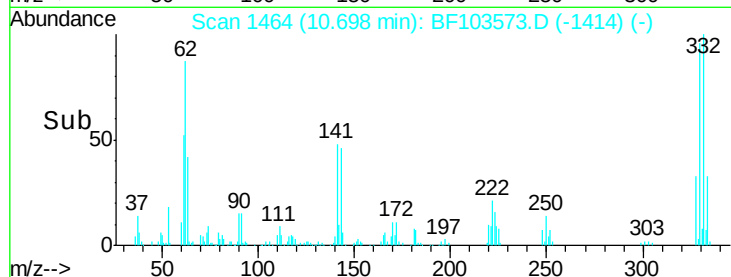
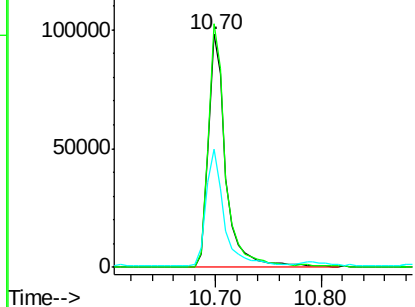
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.7	77.0	115.6	
141	49.6	29.9	44.9	

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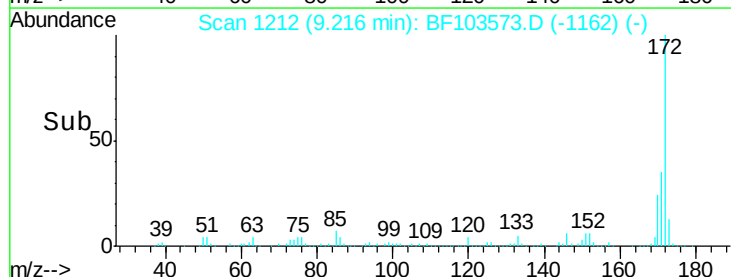
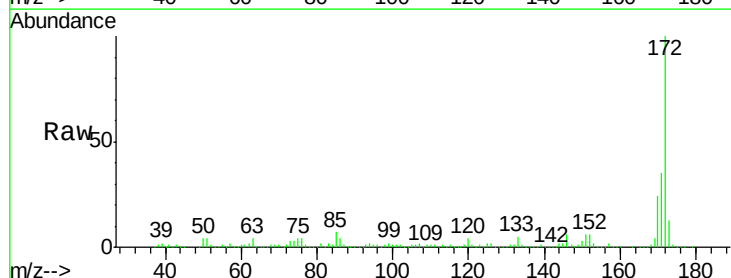
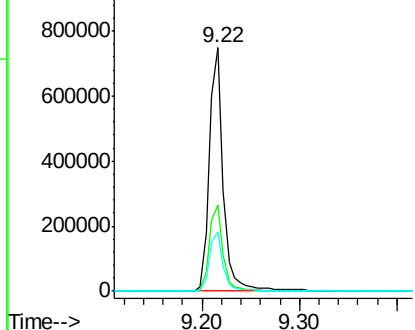
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

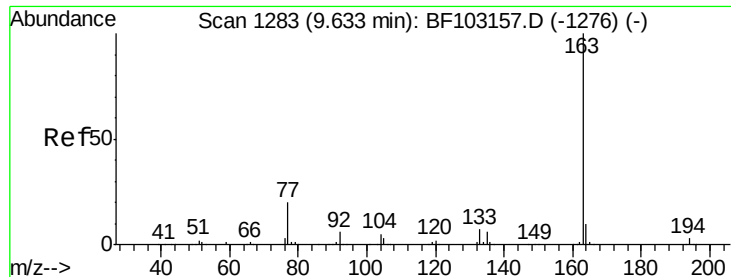


#44
 2-Fluorobiphenyl
 Concen: 44.464 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	24.5	19.6	29.4	

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





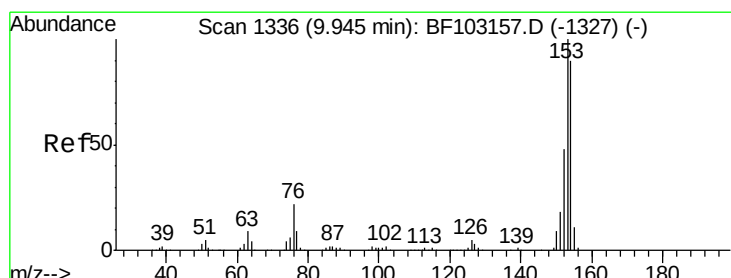
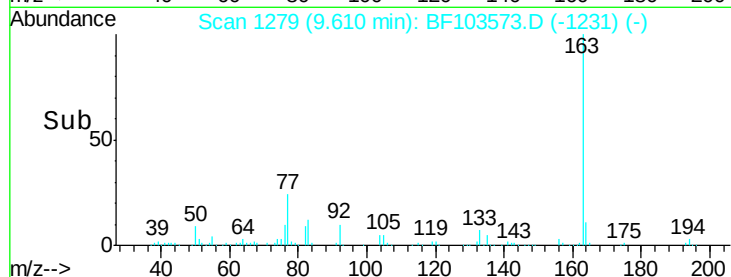
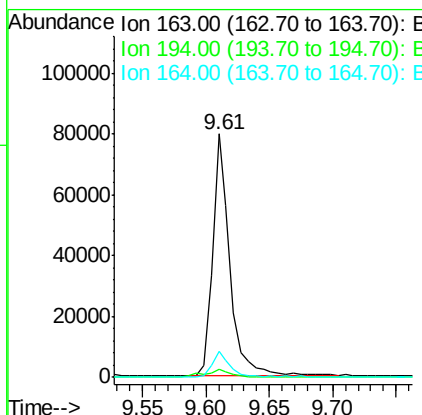
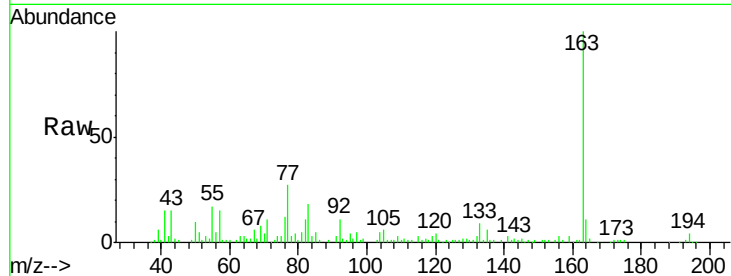
#49
Dimethylphthalate
Concen: 3.759 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampled :
MHC-WCIS

Tot Ion:	163	Resp:	76804
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.8	8.2	12.2

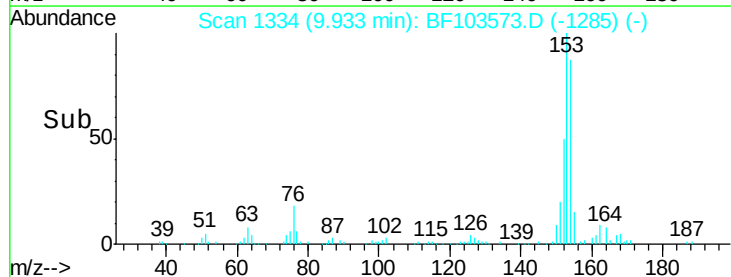
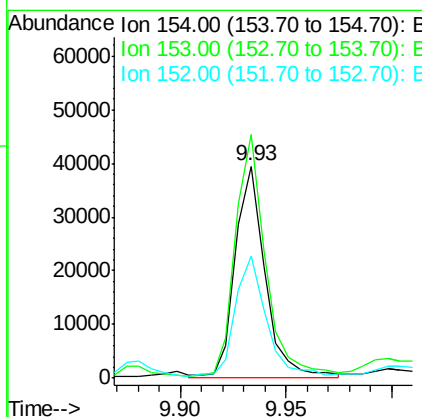
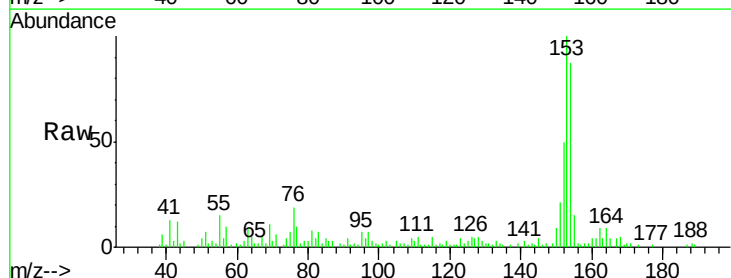
Manual Integrations
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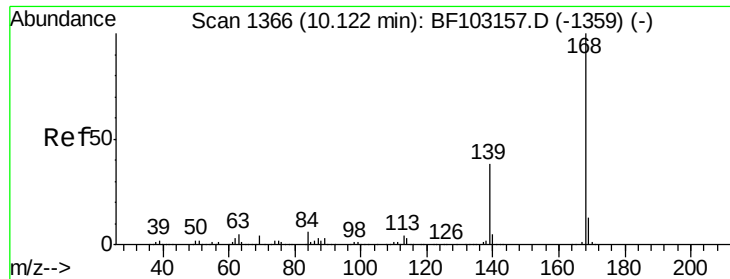
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#51
Acenaphthene
Concen: 2.571 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion:	154	Resp:	38943
Ion Ratio	Lower	Upper	
154	100		
153	114.8	91.2	136.8
152	57.8	43.8	65.8





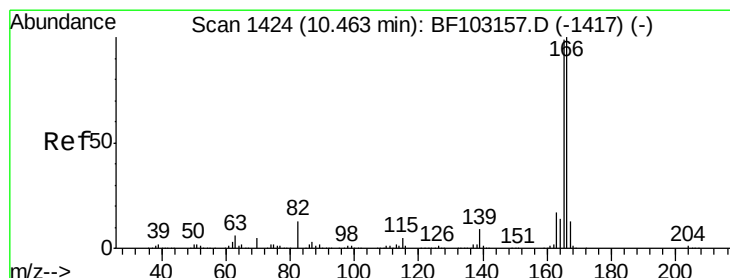
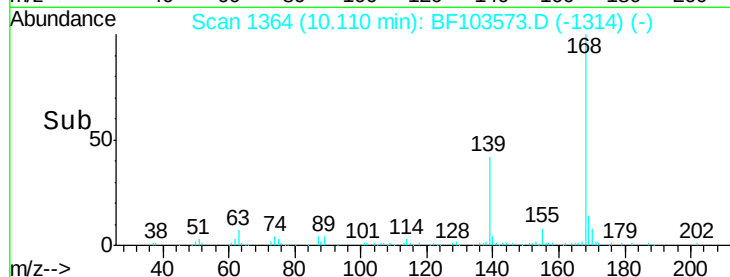
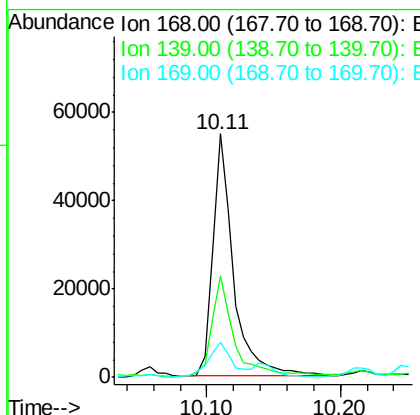
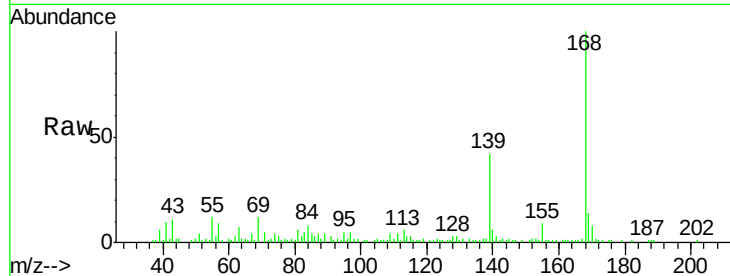
#54
Dibenzenofuran
Concen: 2.879 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampled :
MHC-WCIS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.8	30.1	45.1
169	14.4	10.9	16.3

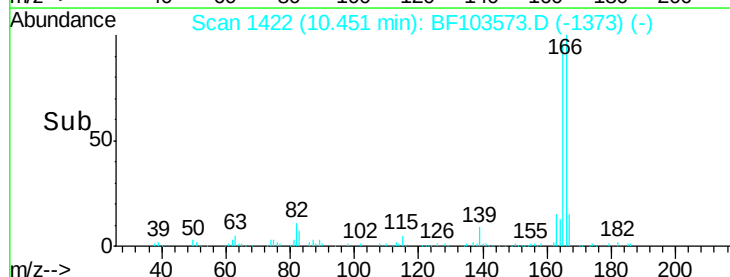
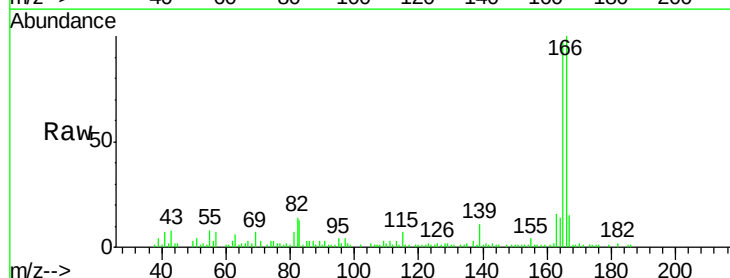
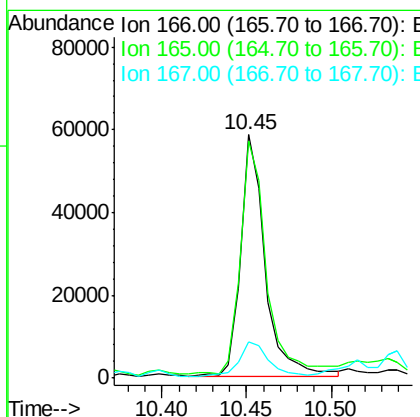
Manual Integrations
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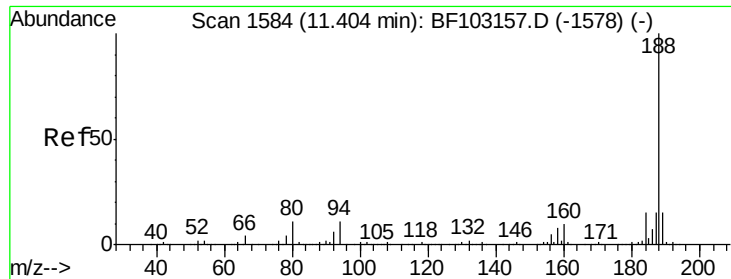
Sohil
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#57
Fluorene
Concen: 3.327 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	15.1	10.6	16.0





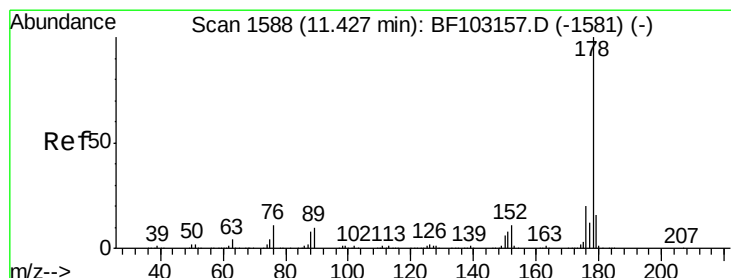
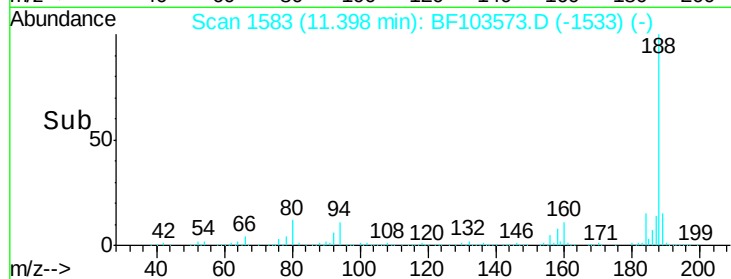
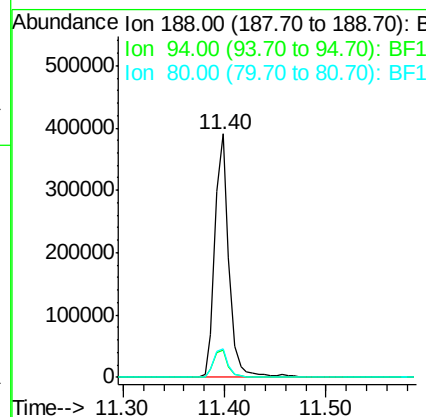
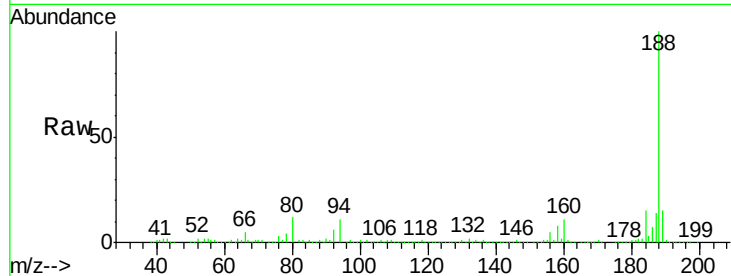
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampled :
MHC-WCIS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	377642		
94	11.2		8.5	12.7
80	11.8		9.2	13.8

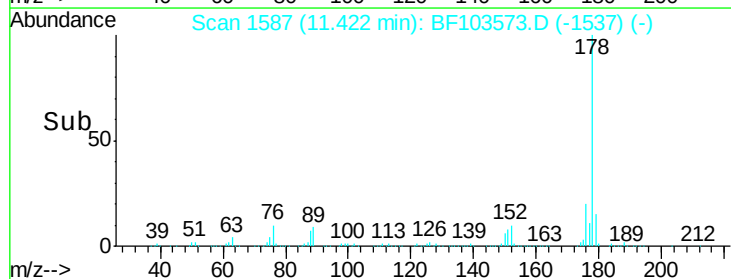
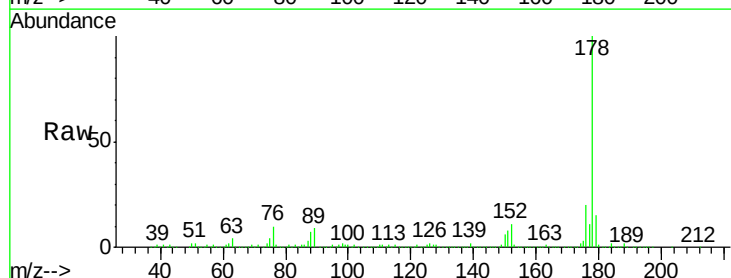
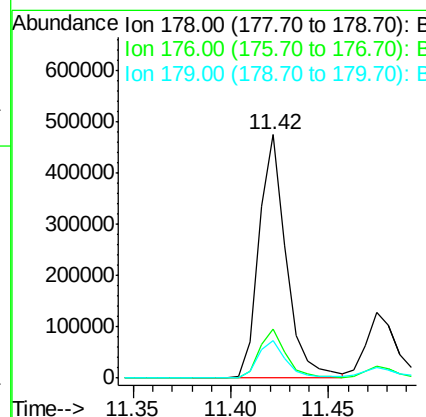
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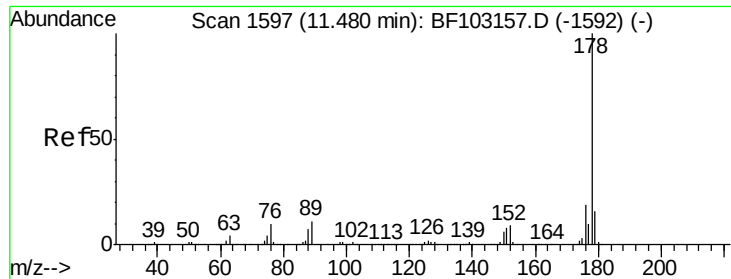
Sohil
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#70
Phenanthrene
Concen: 22.001 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	457241		
176	20.1		15.8	23.8
179	15.3		13.0	19.6





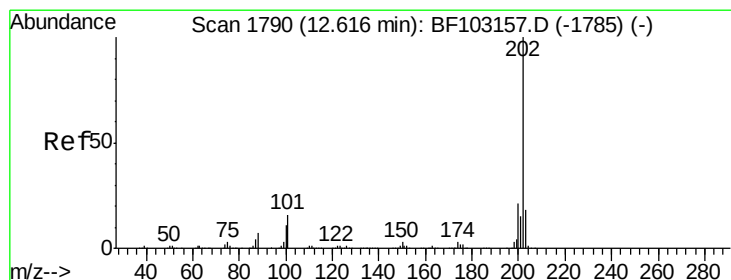
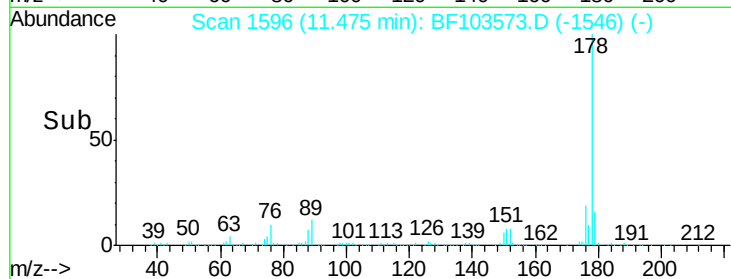
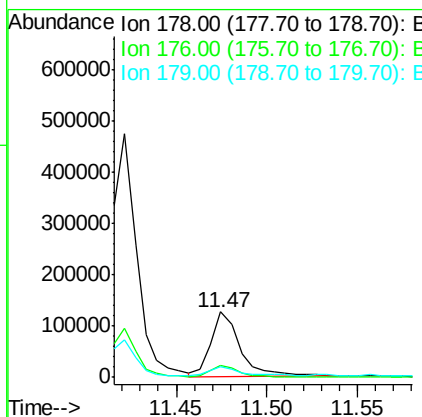
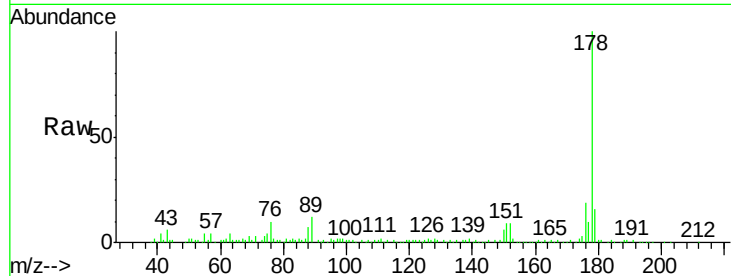
#71
 Anthracene
 Concen: 6.572 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Instrument :
 BNA_F
 ClientSampleId :
 MHC-WCIS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.6	19.0

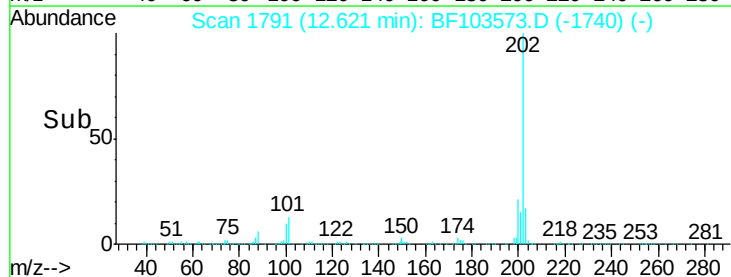
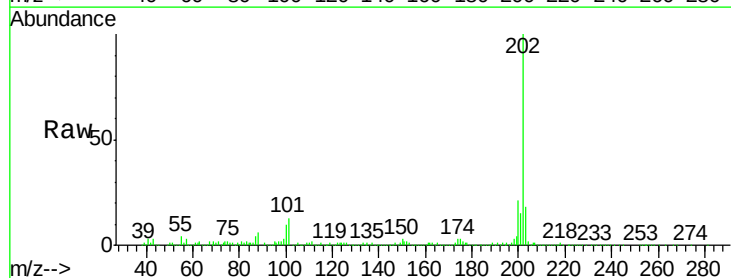
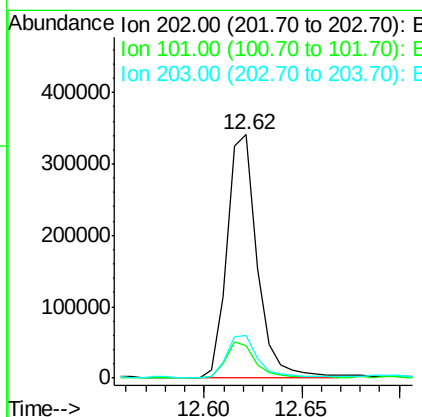
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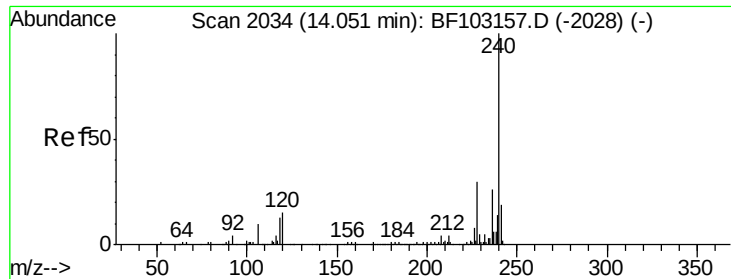
Sohil
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#74
 Fluoranthene
 Concen: 17.535 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103573.D
 Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

Instrument :

BNA_F

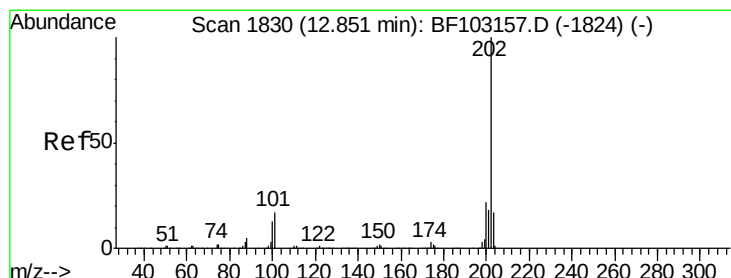
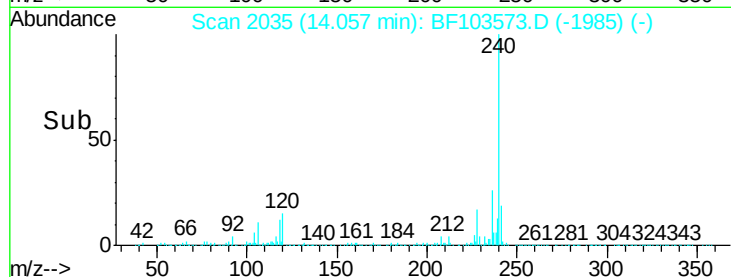
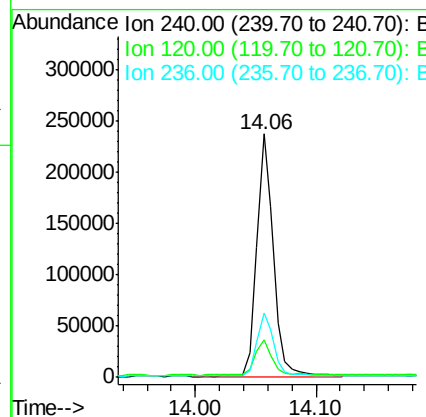
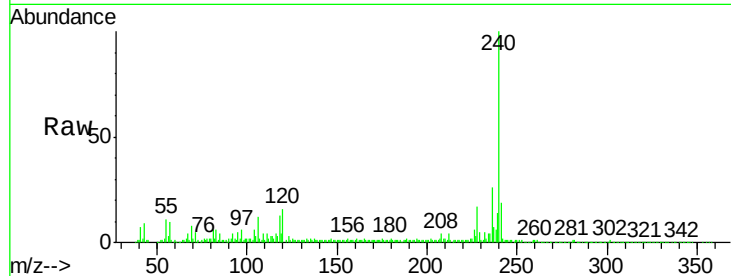
ClientSampleId :

MHC-WCIS

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.5	14.3#
236	26.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 17.837 ng

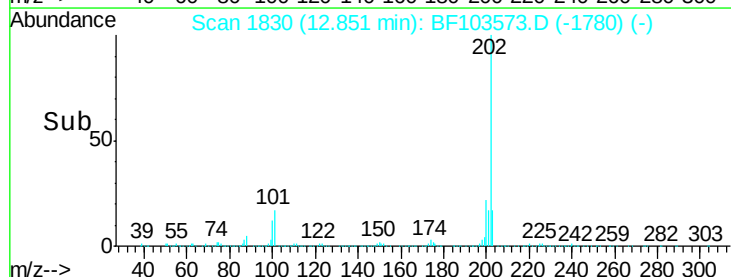
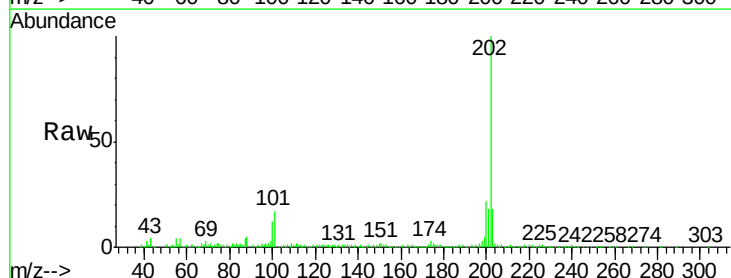
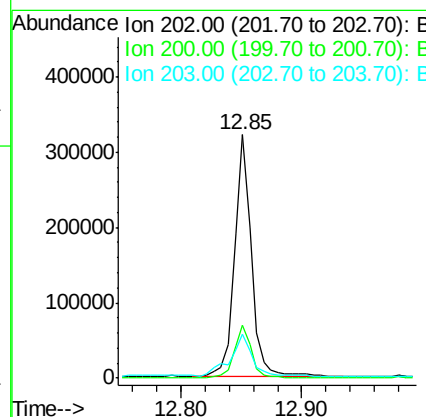
RT: 12.85 min Scan# 1830

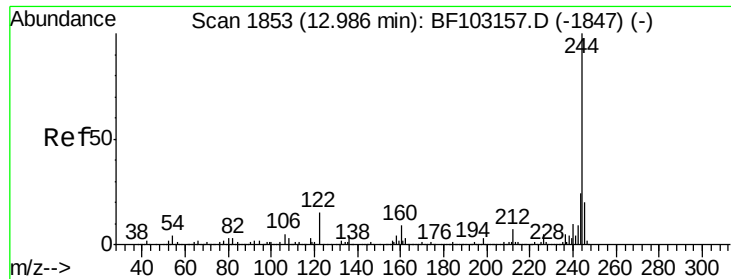
Delta R.T. -0.01 min

Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 49.848 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

Instrument :

BNA_F

ClientSampled :

MHC-WCIS

Tot Ion:244 Resp: 470312

Ion Ratio Lower Upper

244 100

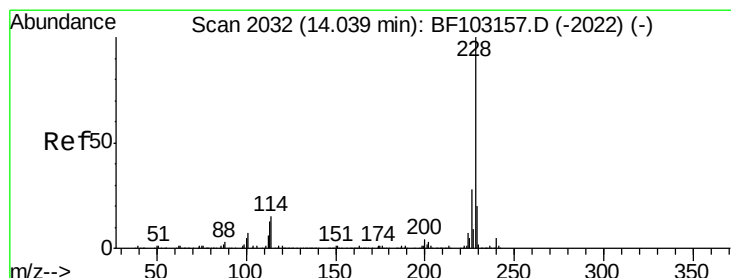
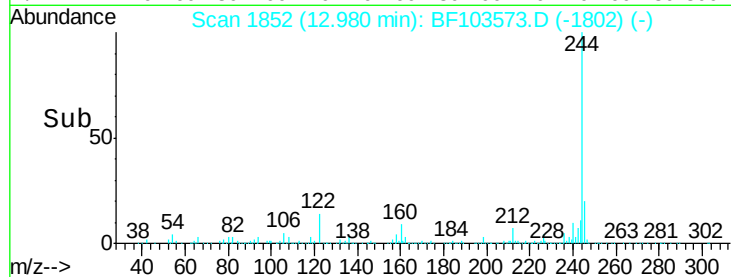
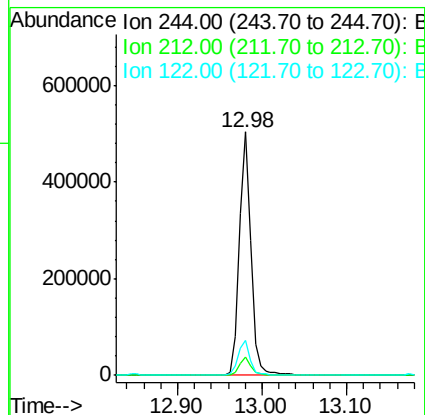
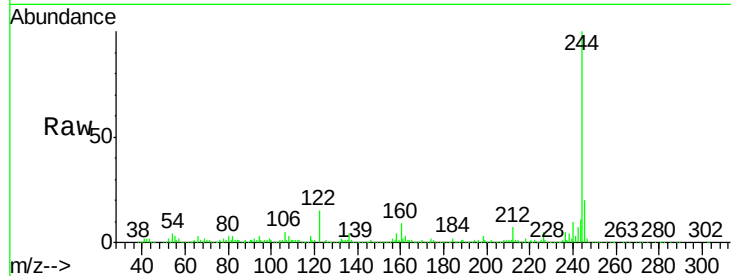
212 7.3 5.4 8.0

122 14.6 11.0 16.4

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#80

Benzo(a)anthracene

Concen: 8.344 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103573.D

Acq: 12 Mar 2018 11:19

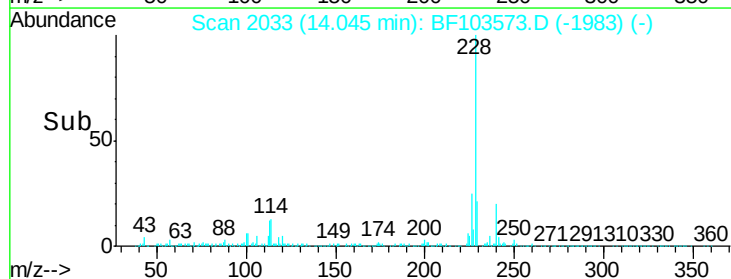
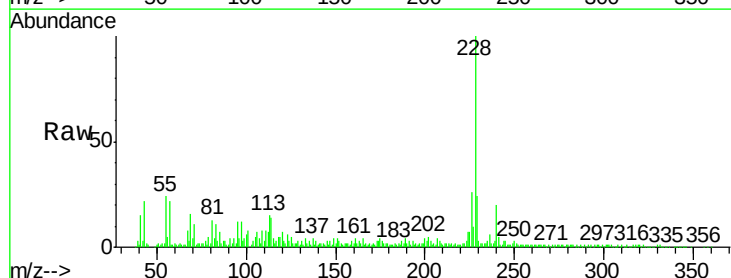
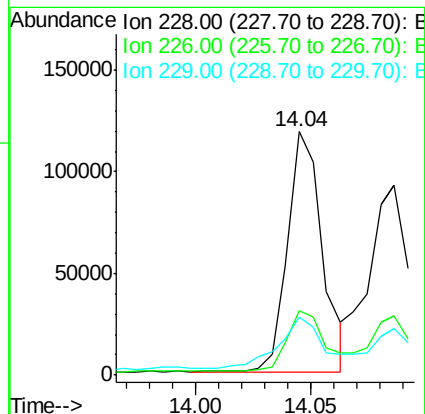
Tgt Ion:228 Resp: 122784

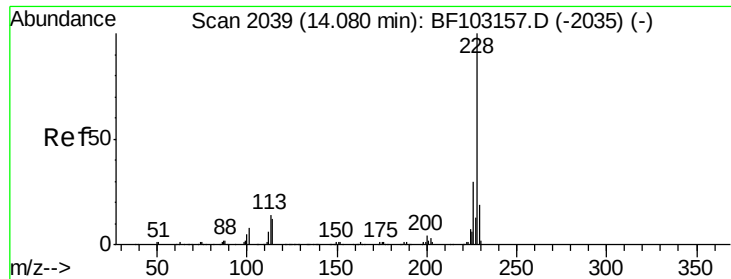
Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

229 23.8 15.8 23.6#





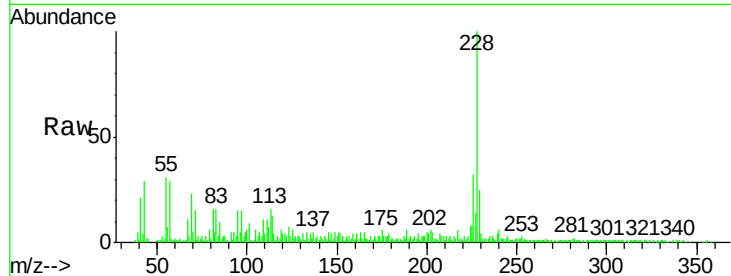
#82
Chrysene
Concen: 8.326 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampleId :
MHC-WCIS

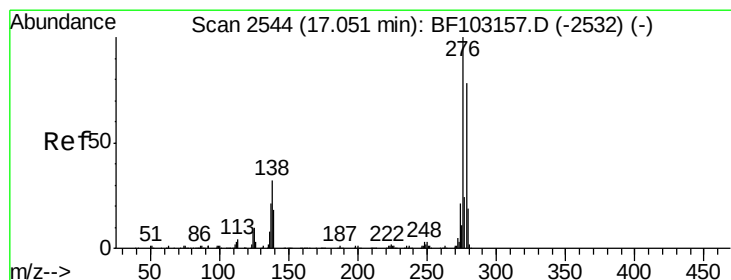
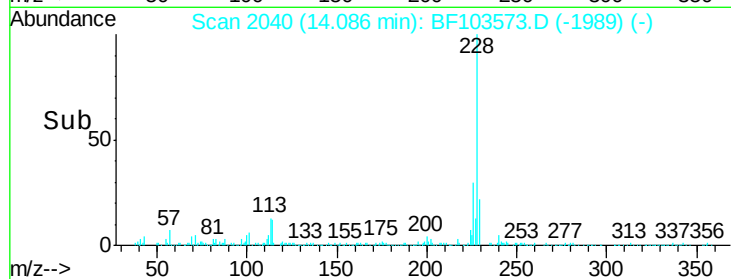
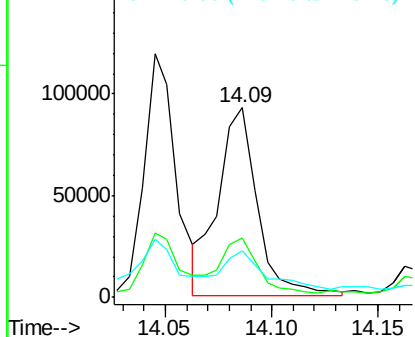
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	24.6	16.2	24.4

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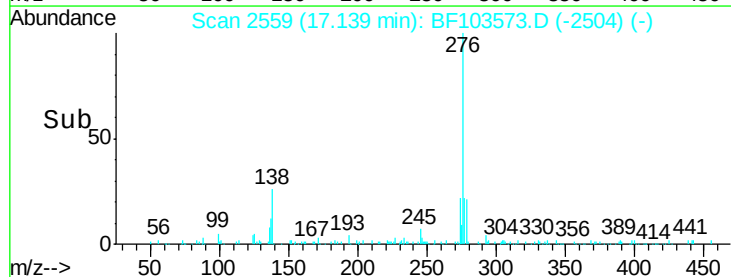
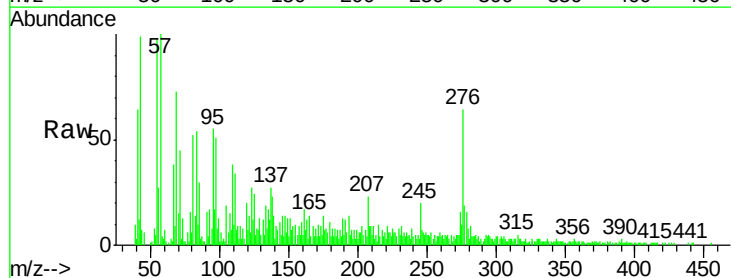
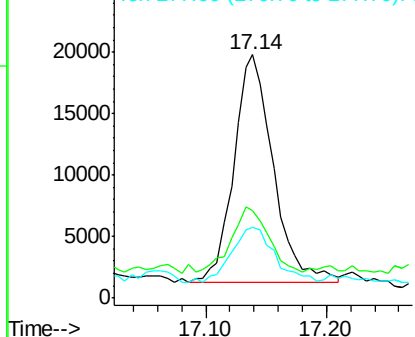
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

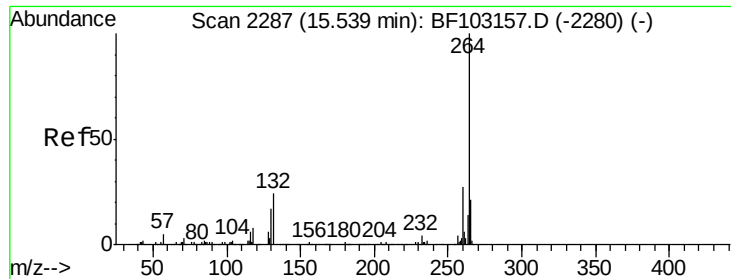


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.742 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.02 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	26.0	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





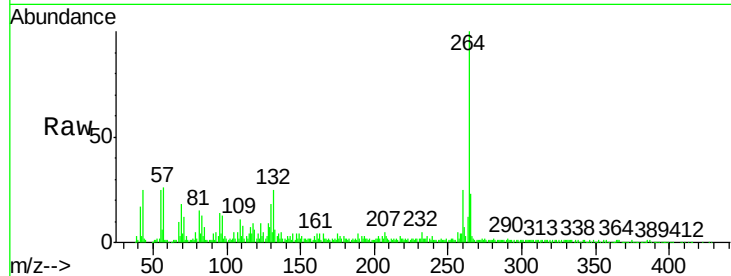
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampleId :
MHC-WCIS

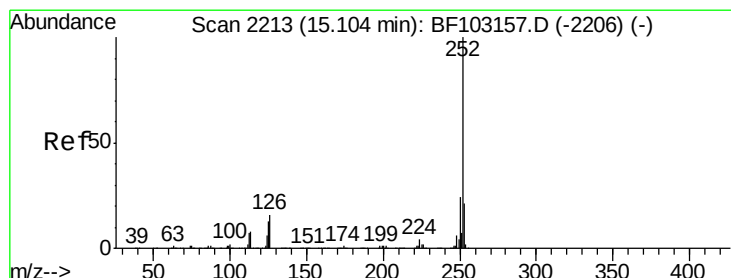
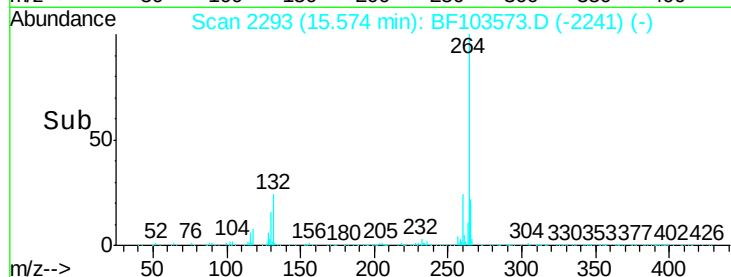
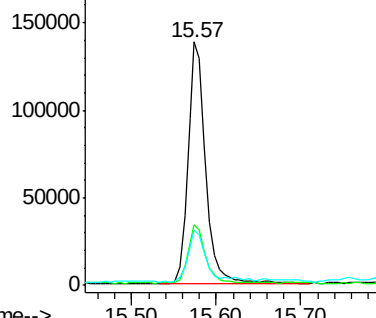
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.9	17.5	26.3

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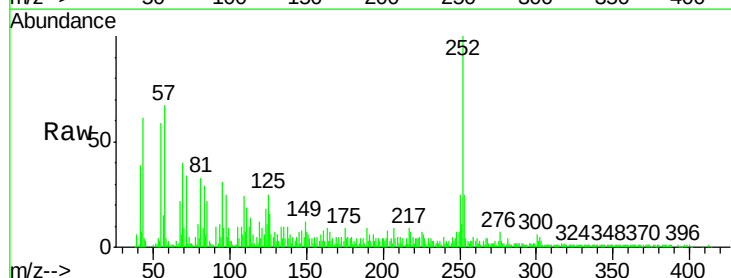


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

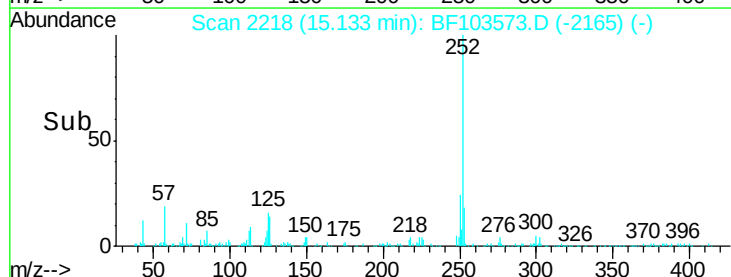
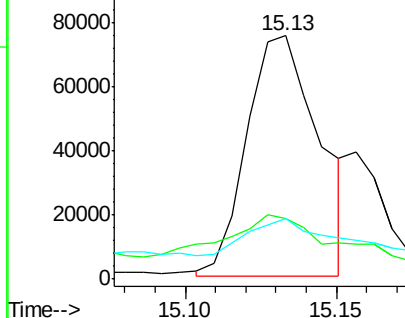


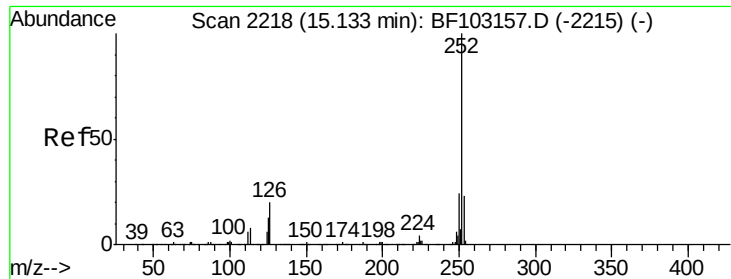
#87
Benzo(b)fluoranthene
Concen: 9.452 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	24.9	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





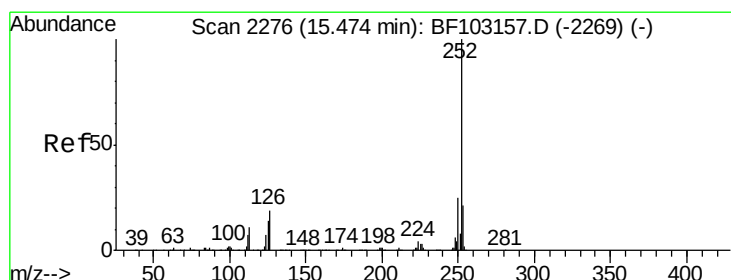
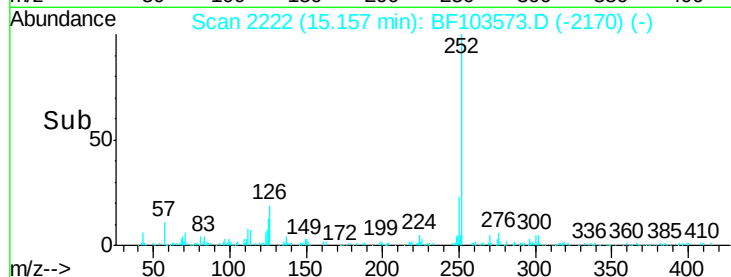
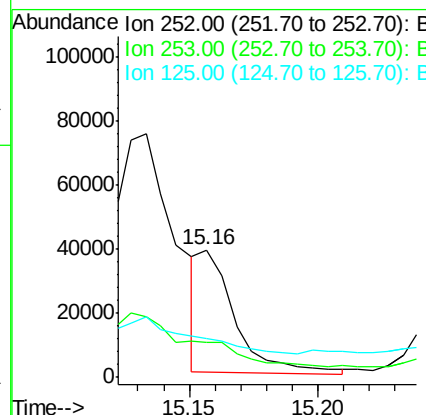
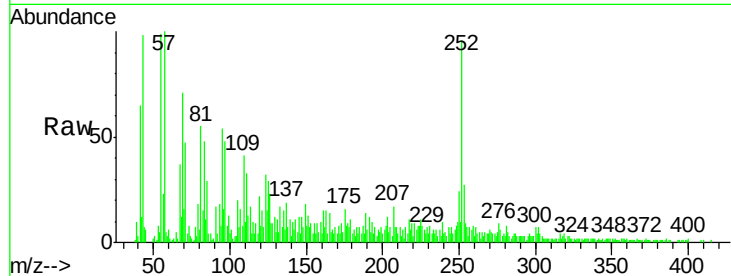
#88
Benzo(k)fluoranthene
Concen: 2.946 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Instrument :
BNA_F
ClientSampled :
MHC-WCIS

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.9	26.9#
125	30.4	10.2	15.2#

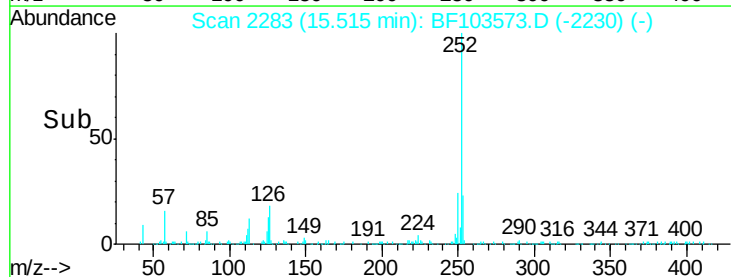
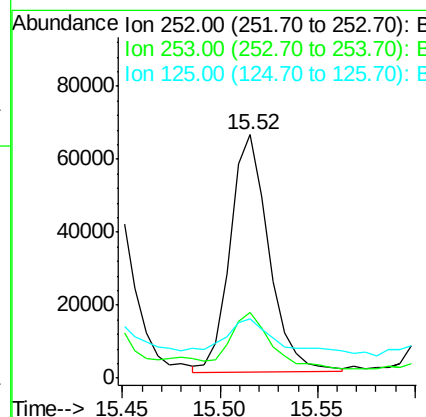
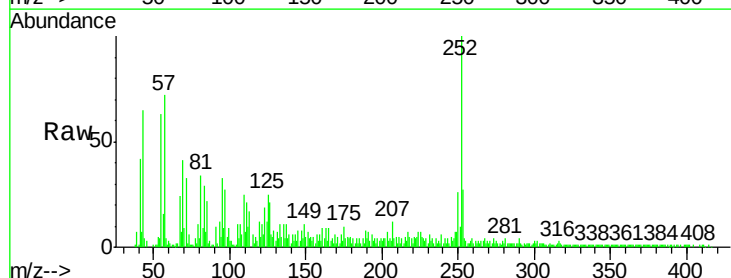
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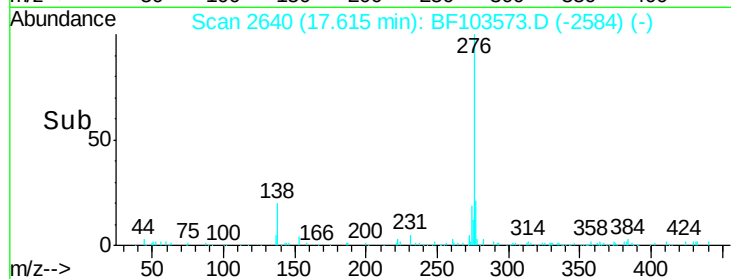
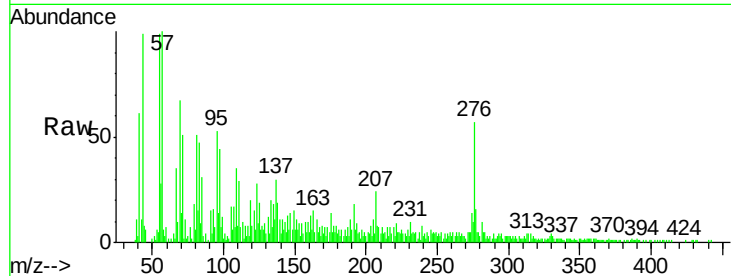
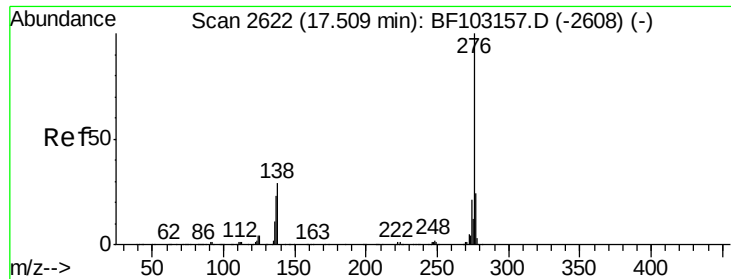
Sohil
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#89
Benzo(a)pyrene
Concen: 7.570 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	24.5	9.8	14.6#





#91
Benzo(a,h,i)perylene
Concen: 5.033 ng
RT: 17.62 min Scan# 2640
Delta R.T. 0.03 min
Lab File: BF103573.D
Acq: 12 Mar 2018 11:19

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	32.4	21.8	32.8

Instrument :
BNA_F
ClientSampleId :
MHC-WCIS

Manual Integrations
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