

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102217.D
 Acq On : 19 Jan 2018 12:51
 Operator : SJ/JU
 Sample : J1200-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-S_5

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:24:00 PM

Quant Time: Jan 19 14:02:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	135468	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	556407	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	248338	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	388127	20.00	ng	0.00
75) Chrysene-d12	13.89	240	251912	20.00	ng	0.01
86) Perylene-d12	15.30	264	236063	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	795368	82.91	ng	0.00
7) Phenol-d6	6.36	99	975264	85.21	ng	0.00
23) Nitrobenzene-d5	7.29	82	654575	69.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	176812	81.58	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1142093	71.85	ng	0.00
78) Terphenyl-d14	12.83	244	784959	64.70	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	43101	3.332	ng	86
31) Naphthalene	8.02	128	98697	3.550	ng	98
48) Acenaphthylene	9.62	152	132996	4.923	ng	99
49) Dimethylphthalate	9.47	163	169336	8.500	ng	98
70) Phenanthrene	11.26	178	445072	19.631	ng	99
71) Anthracene	11.32	178	214781	9.341	ng	99
72) Carbazole	11.47	167	46388	2.053	ng	# 97
74) Fluoranthene	12.46	202	1066864	47.829	ng	99
77) Pyrene	12.69	202	903854	40.591	ng	99
80) Benzo(a)anthracene	13.87	228	561104m	34.910	ng	
82) Chrysene	13.91	228	511037	30.492	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	236300	19.372	ng	96
87) Benzo(b)fluoranthene	14.90	252	598183m	38.863	ng	
88) Benzo(k)fluoranthene	14.93	252	256100m	17.248	ng	
89) Benzo(a)pyrene	15.25	252	418020	30.180	ng	98
90) Dibenzo(a,h)anthracene	16.70	278	64657	5.850	ng	# 90
91) Benzo(g,h,i)perylene	17.11	276	198719	17.848	ng	98

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

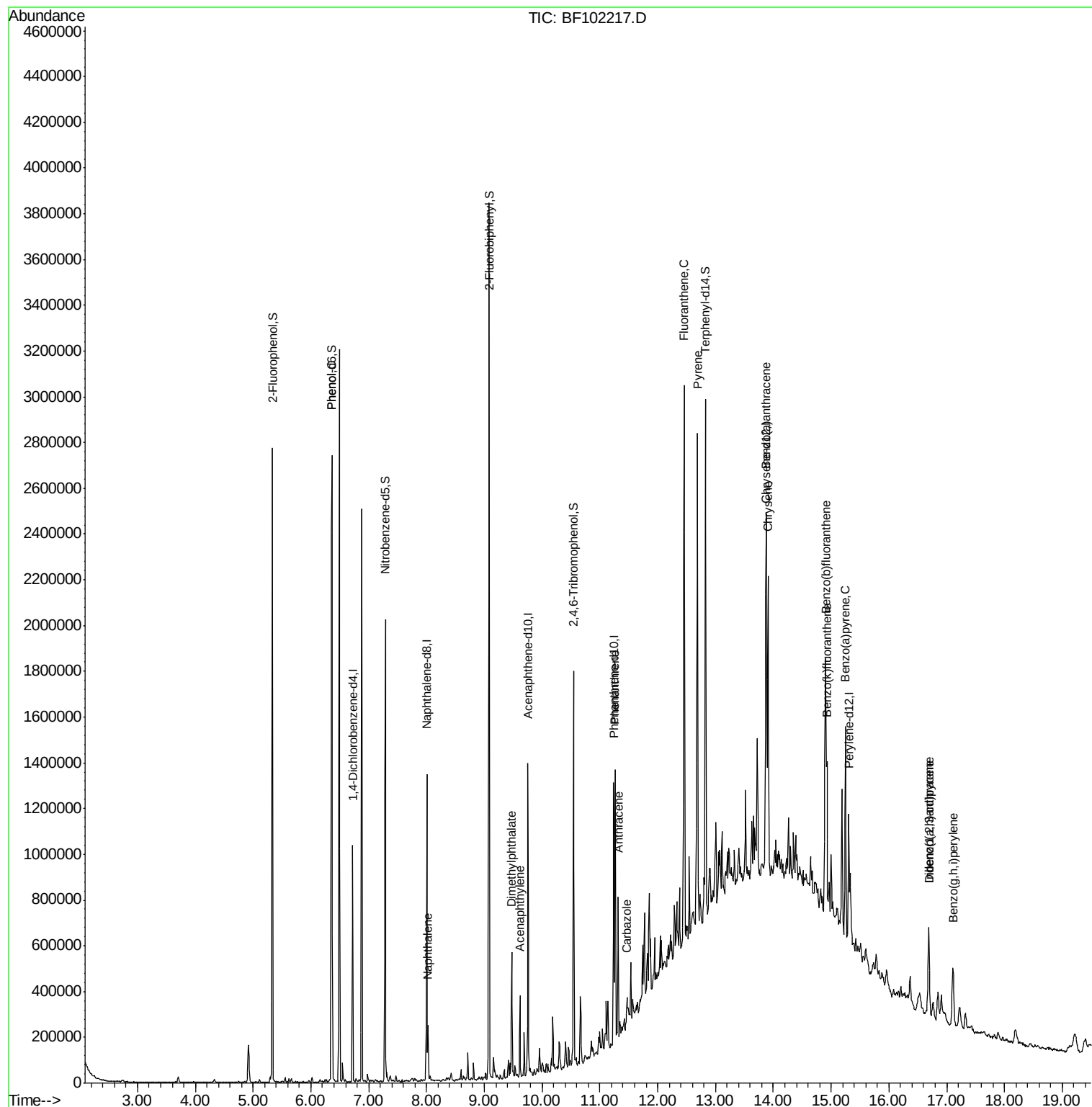
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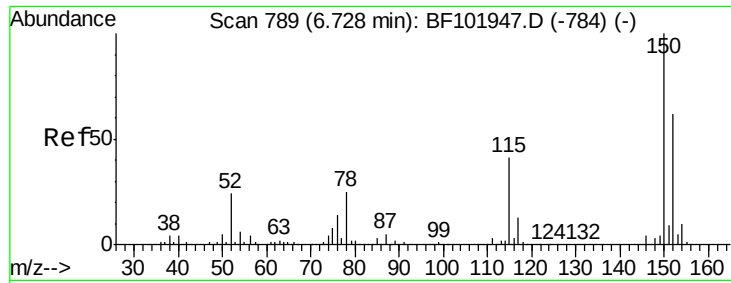
Instrument :
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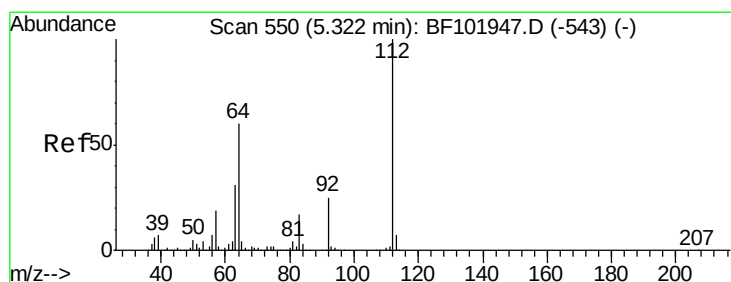
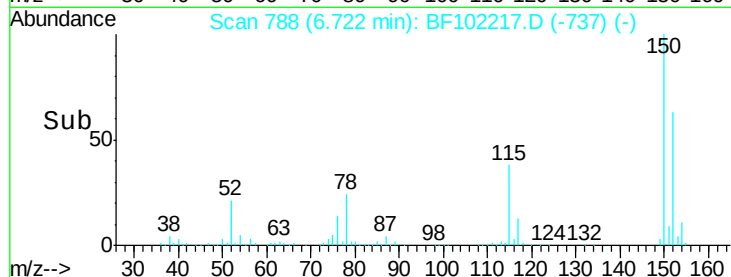
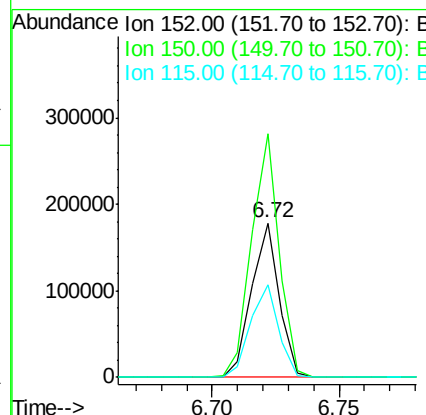
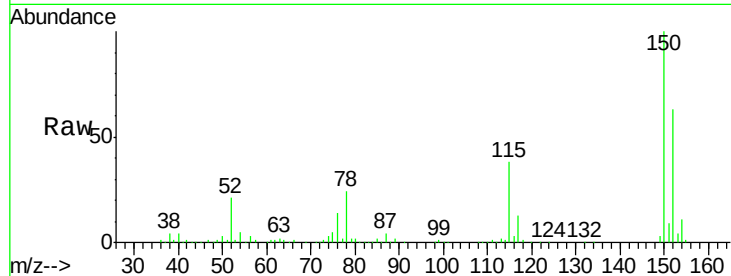
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102217.D
 Acq: 19 Jan 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	59.8	50.1	75.1

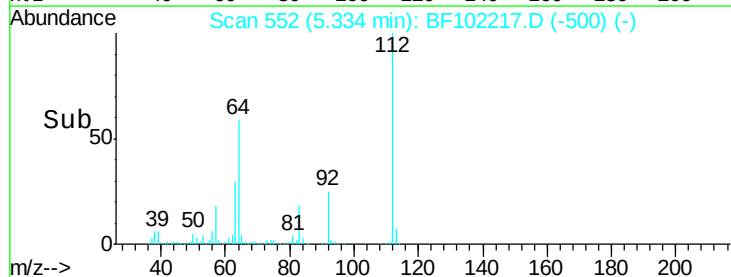
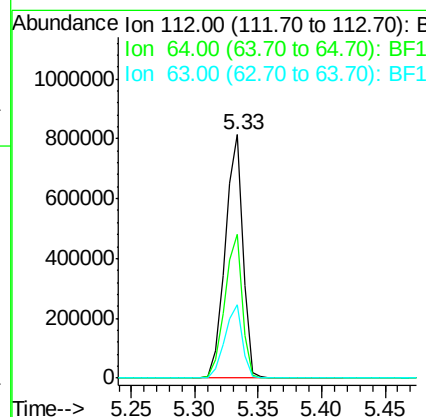
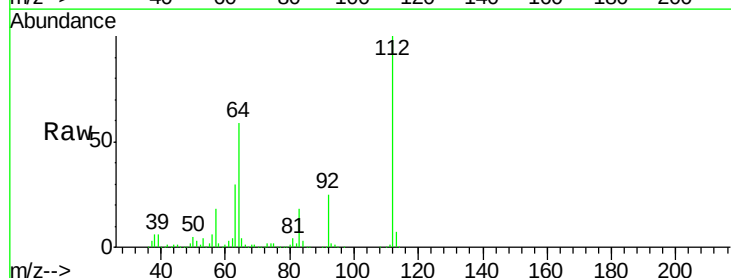
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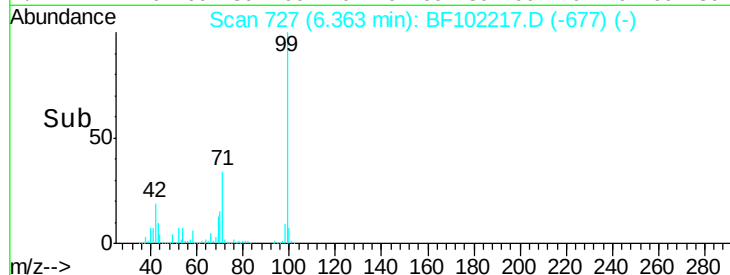
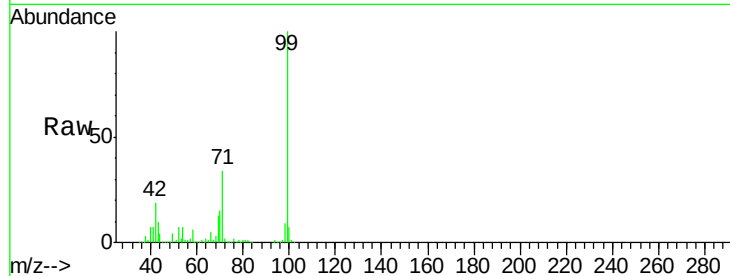
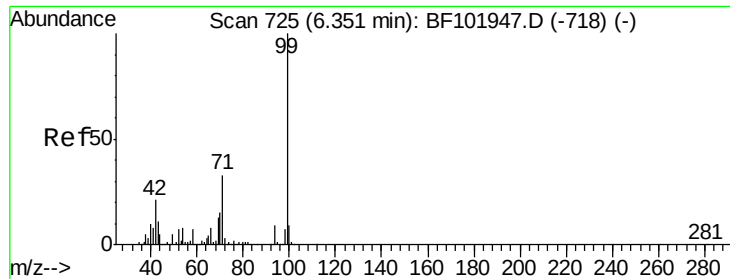
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#5
 2-Fluorophenol
 Concen: 82.907 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102217.D
 Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 85.205 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tot Ion:	99	Resp:	975264
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.5	21.7
71	33.9	25.4	38.0

Instrument :

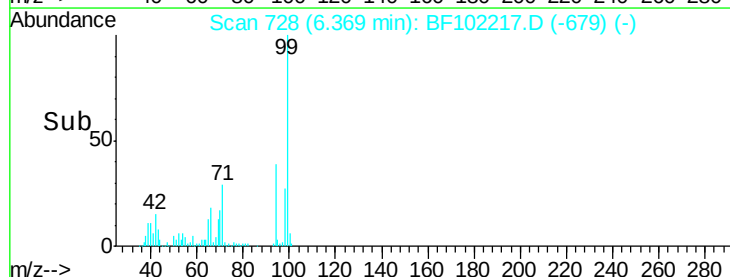
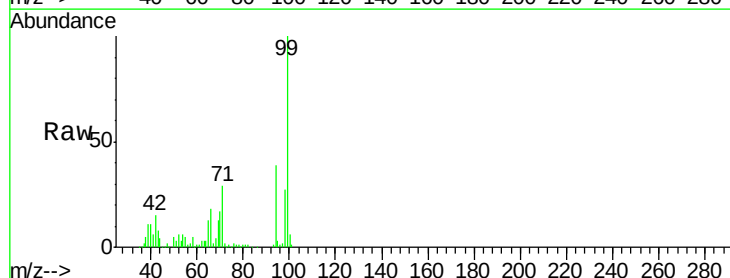
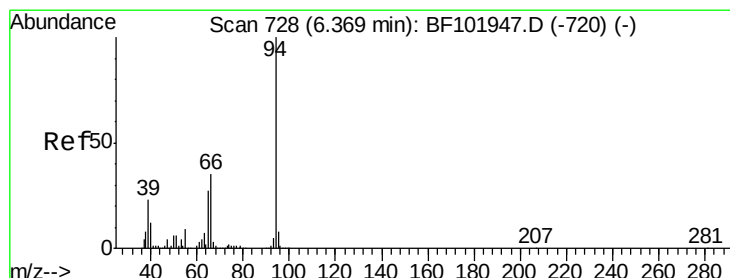
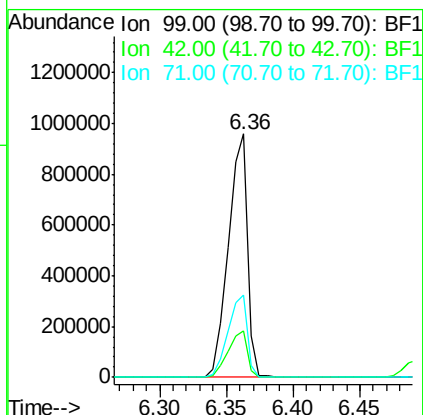
BNA_F

ClientSampleId :

A2_SB103_W-S_5

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#10

Phenol

Concen: 3.332 ng

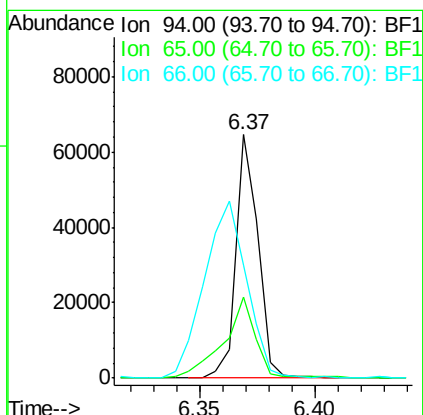
RT: 6.37 min Scan# 728

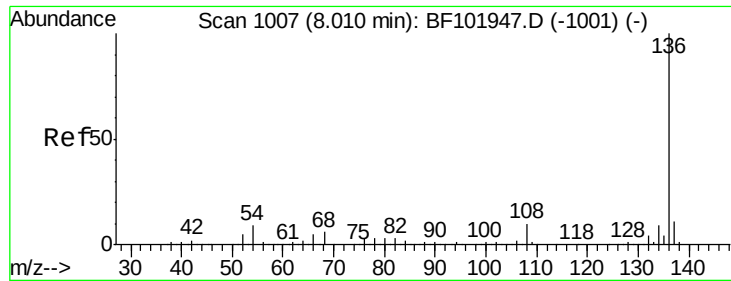
Delta R.T. -0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion:	94	Resp:	43101
Ion Ratio	Lower	Upper	
94	100		
65	33.4	7.9	47.9
66	46.3	16.2	56.2





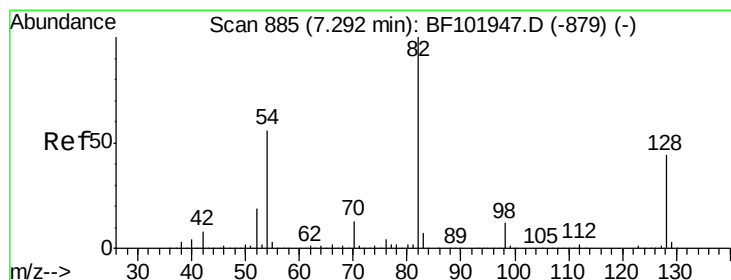
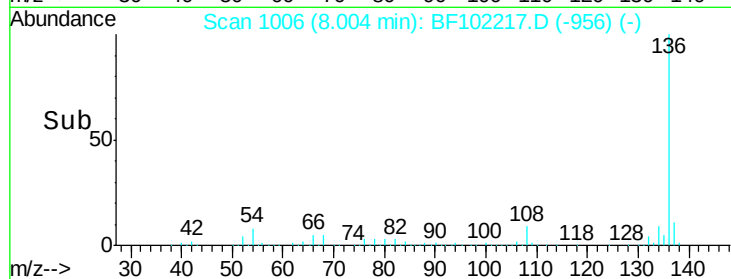
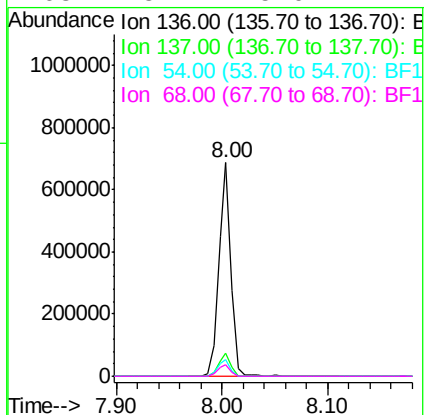
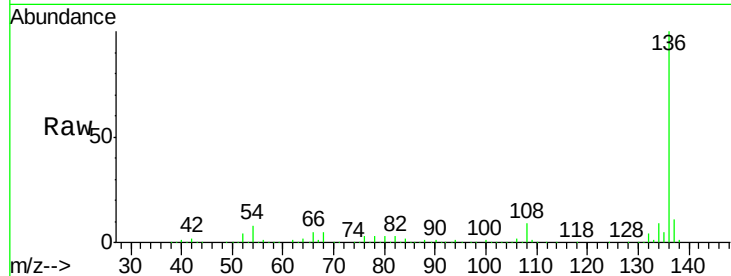
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-S_5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	556407		
137	10.9		8.9	13.3
54	7.6		6.6	9.8
68	5.2		5.0	7.4

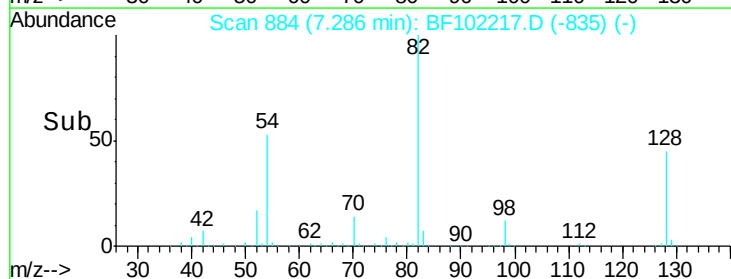
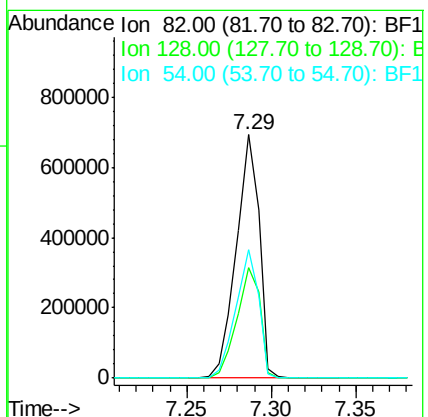
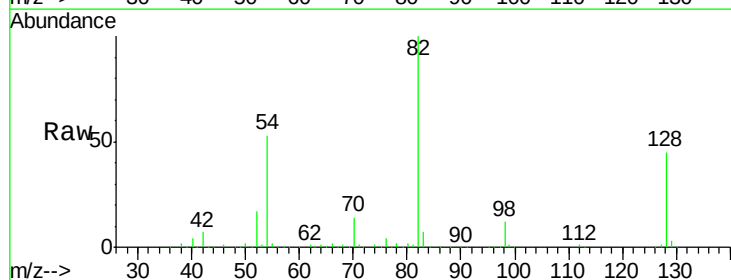
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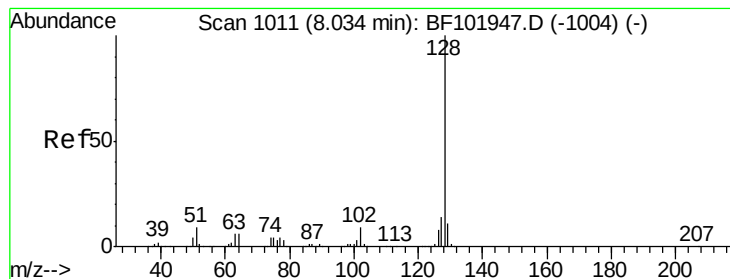
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#23
Nitrobenzene-d5
Concen: 69.132 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	654575		
128	45.3		36.1	54.1
54	52.8		41.4	62.2





#31

Naphthalene

Concen: 3.550 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

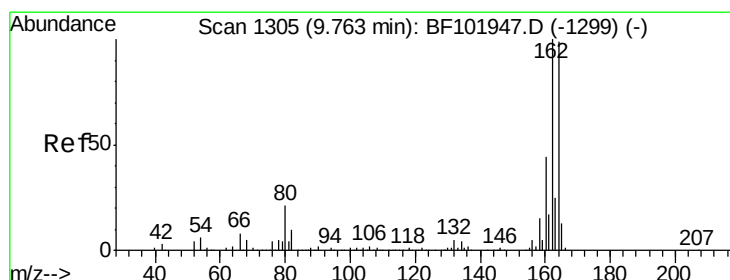
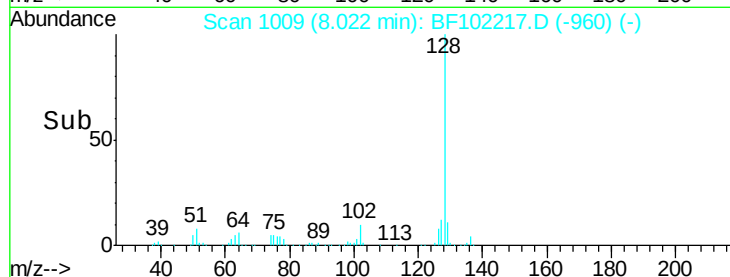
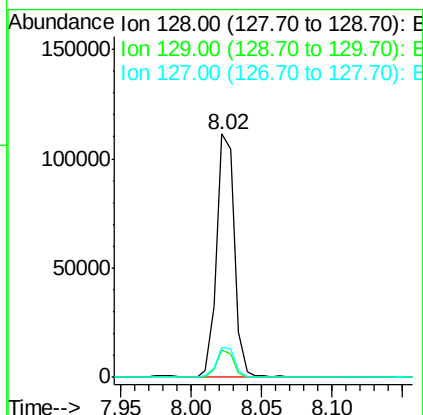
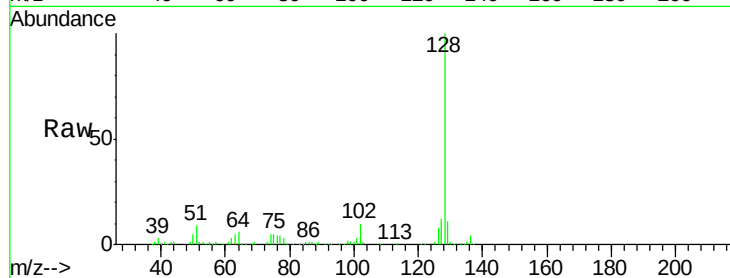
ClientSampleId :

A2_SB103_W-S_5

Tot Ion:	128	Resp:	98697
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.8	13.2
127	12.3	10.9	16.3

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.000 ng

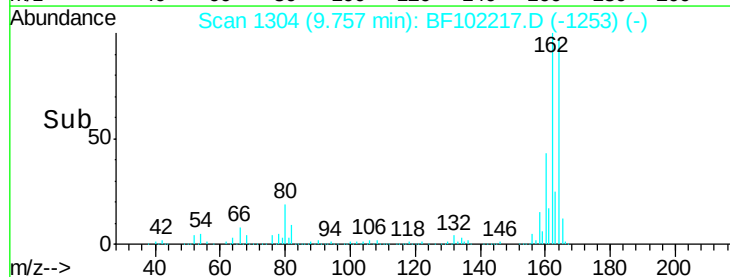
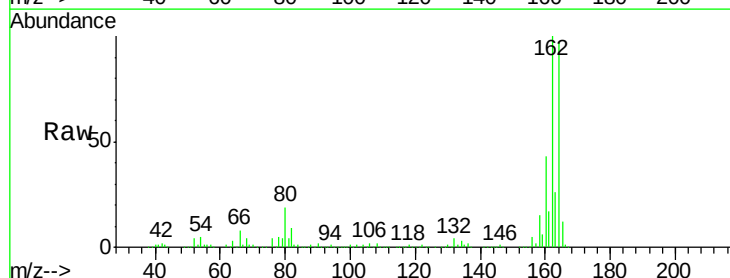
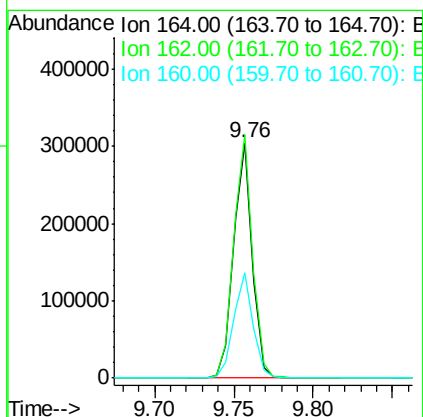
RT: 9.76 min Scan# 1304

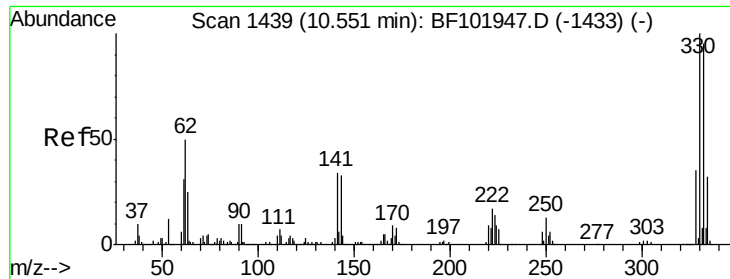
Delta R.T. 0.00 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion:	164	Resp:	248338
Ion Ratio	Lower	Upper	
164	100		
162	103.6	86.1	129.1
160	44.7	38.3	57.5





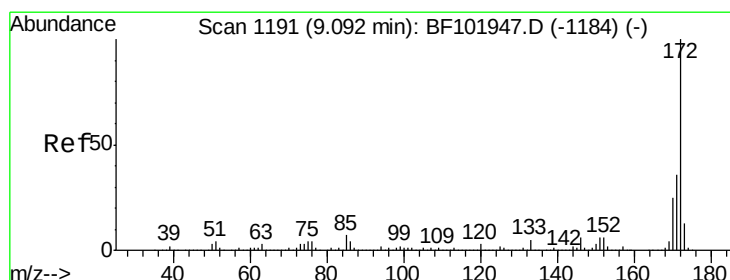
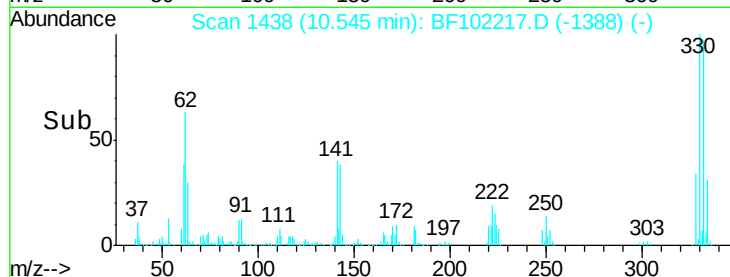
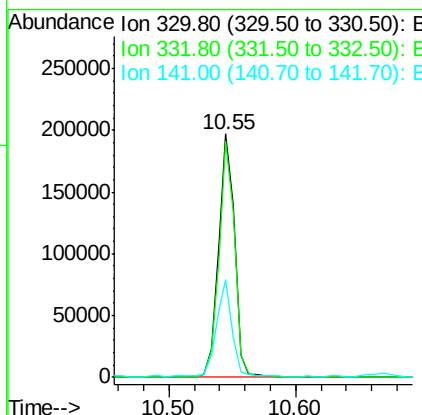
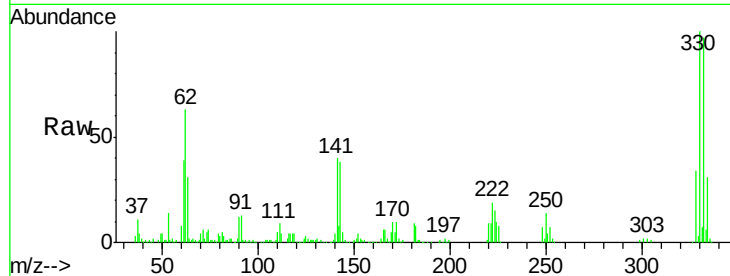
#41
 2,4,6-Tribromophenol
 Concen: 81.585 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102217.D
 Acq: 19 Jan 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	38.4	29.9	44.9

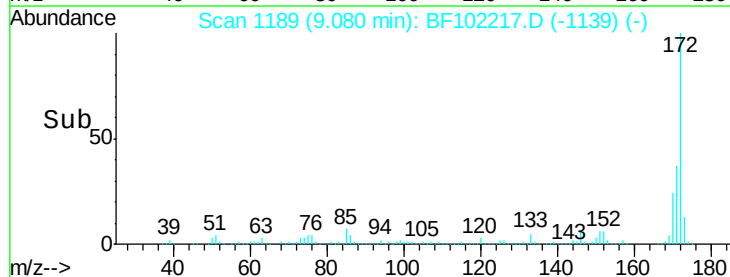
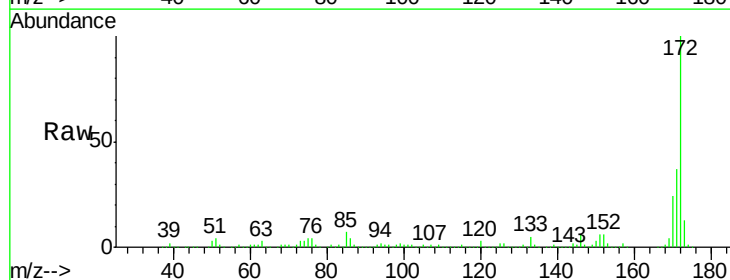
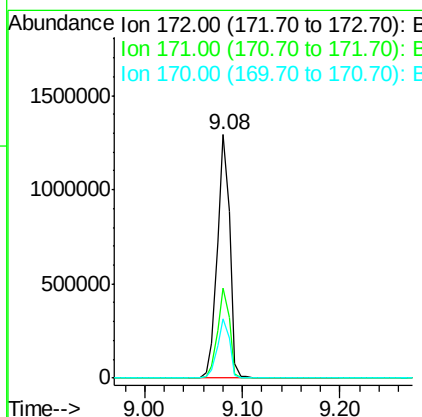
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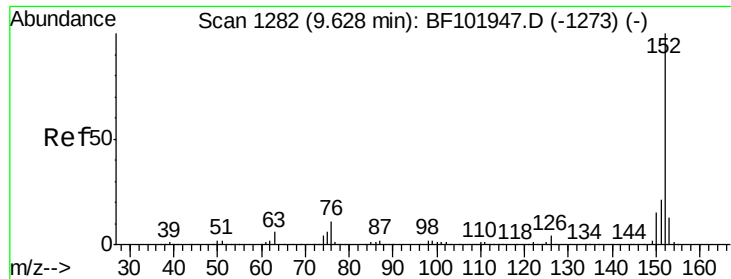
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#44
 2-Fluorobiphenyl
 Concen: 71.848 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102217.D
 Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.3	19.6	29.4





#48

Acenaphthylene

Concen: 4.923 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

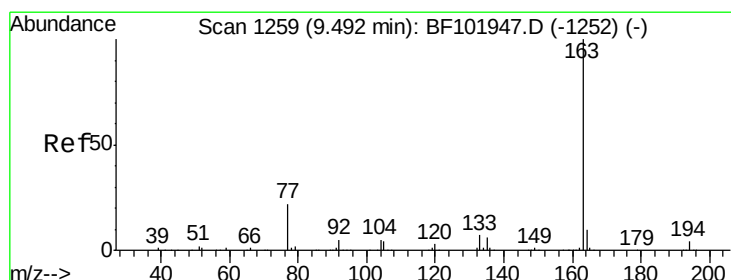
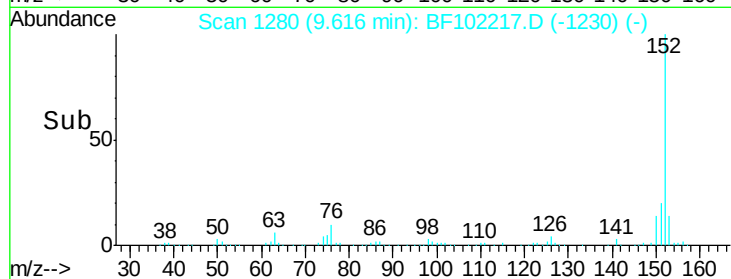
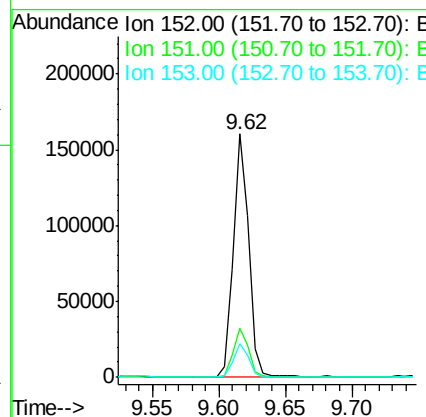
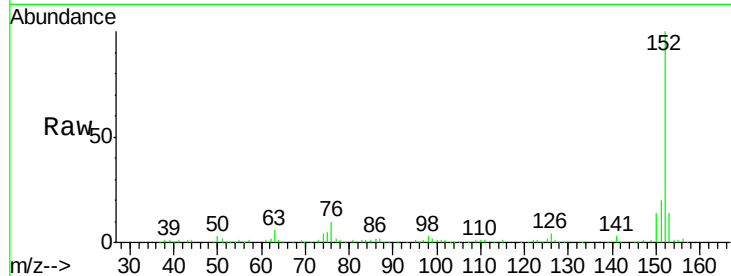
ClientSampleId :

A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.6	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 8.500 ng

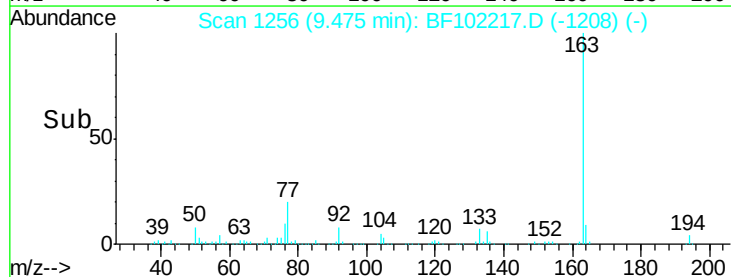
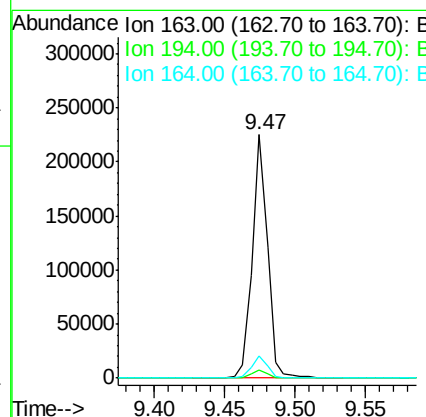
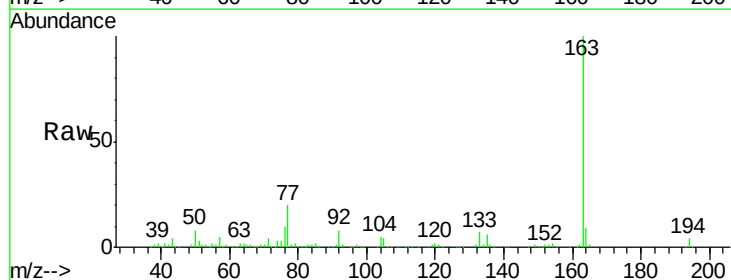
RT: 9.47 min Scan# 1256

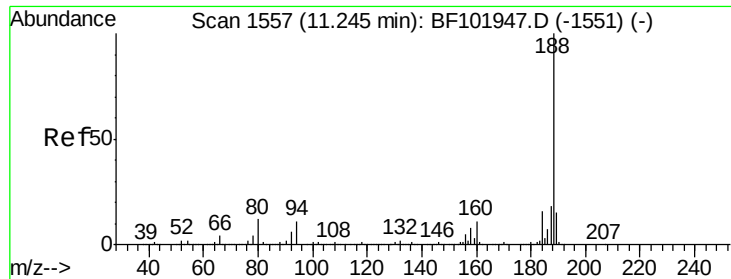
Delta R.T. -0.02 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.3	8.2	12.2





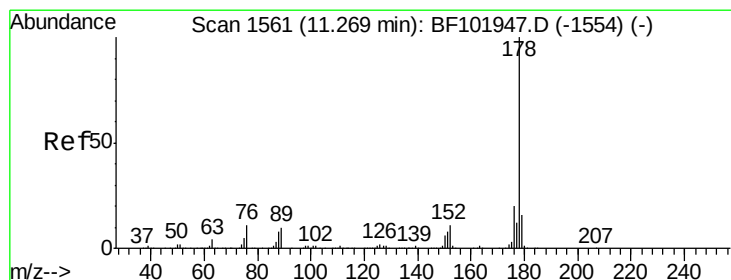
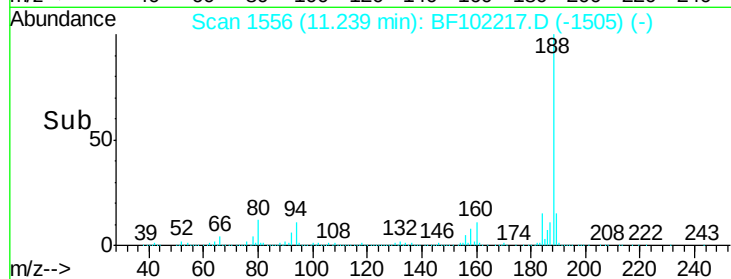
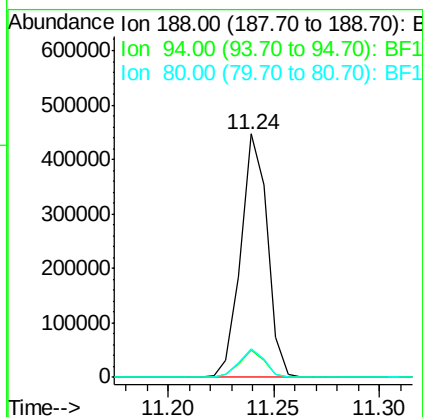
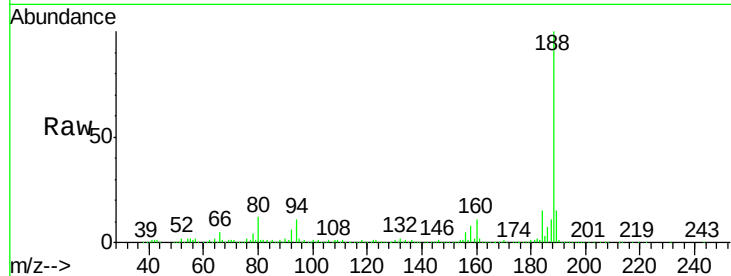
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-S_5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	388127		
94	11.5		8.5	12.7
80	11.9		9.2	13.8

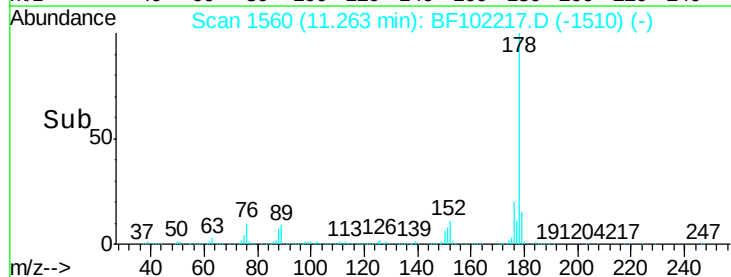
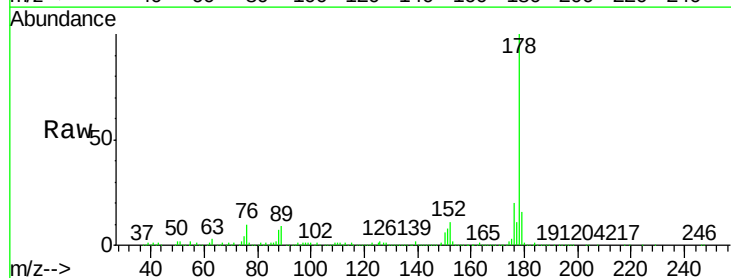
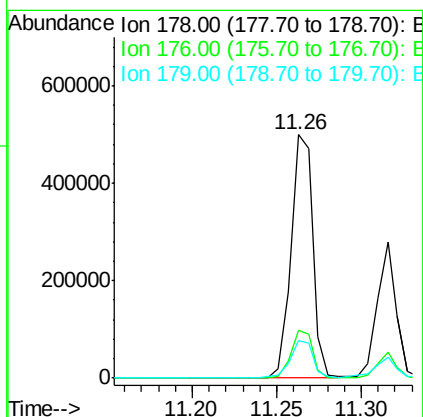
Manual Integrations
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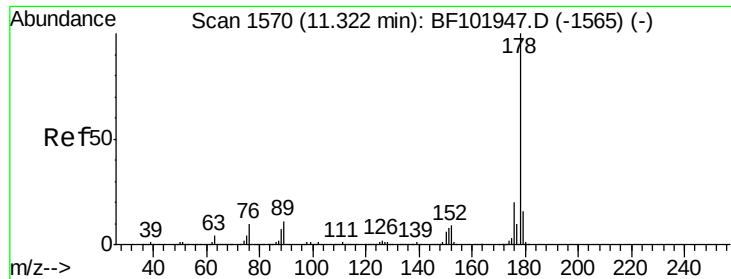
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#70
Phenanthrene
Concen: 19.631 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	445072		
176	19.7		15.8	23.8
179	15.6		13.0	19.6





#71

Anthracene

Concen: 9.341 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

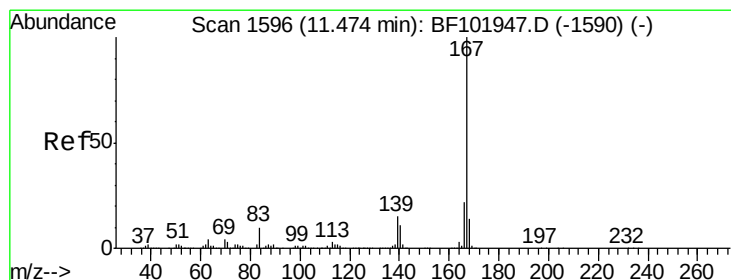
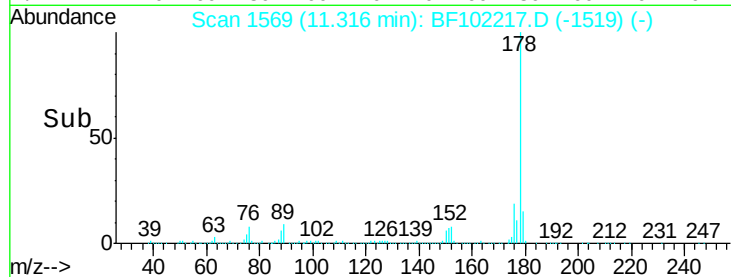
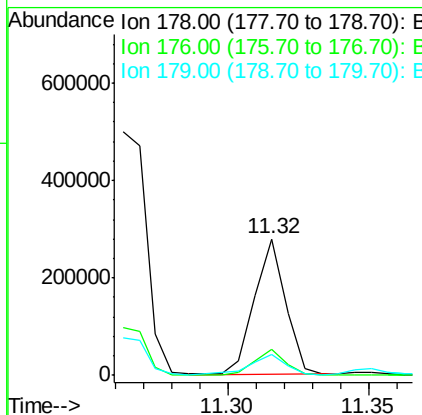
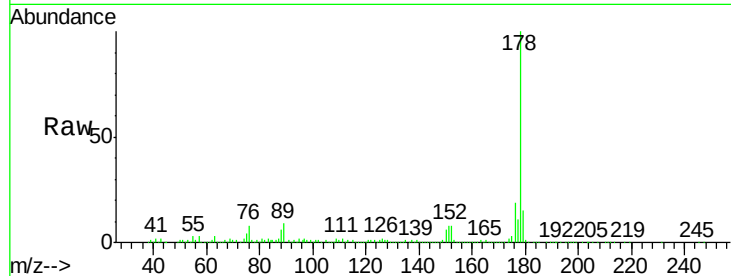
ClientSampleId :

A2_SB103_W-S_5

Tot Ion:	178	Resp:	214781
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.2
179	15.2	12.6	19.0

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#72

Carbazole

Concen: 2.053 ng

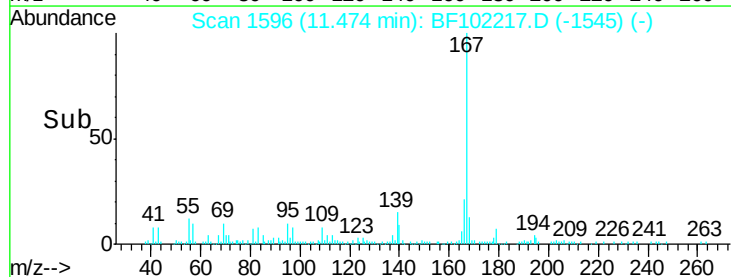
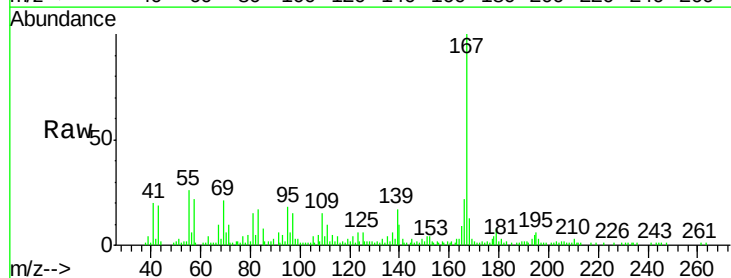
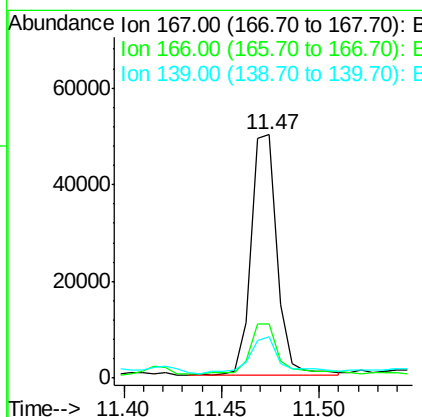
RT: 11.47 min Scan# 1596

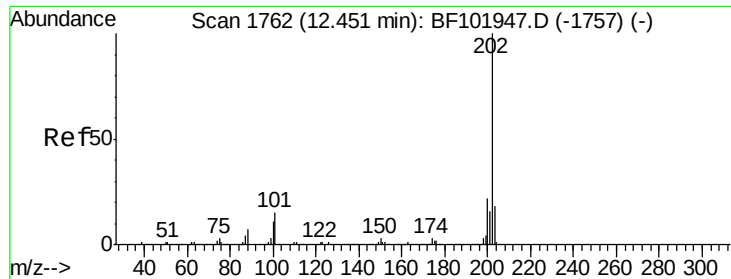
Delta R.T. 0.00 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion:	167	Resp:	46388
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	16.8	10.9	16.3#





#74

Fluoranthene

Concen: 47.829 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

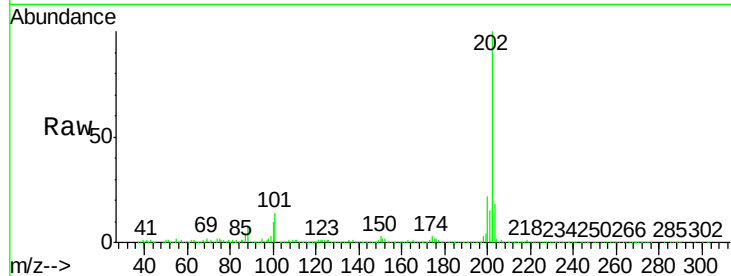
ClientSampleId :

A2_SB103_W-S_5

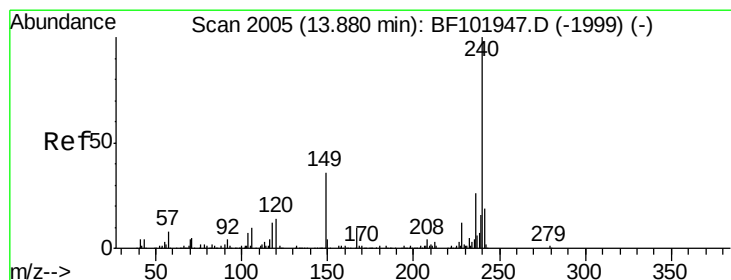
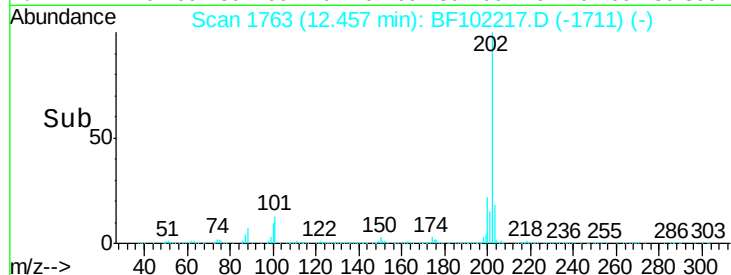
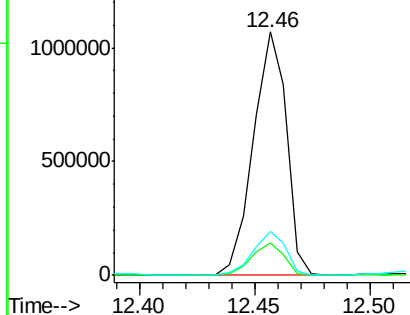
Tot Ion:	202	Resp:	1066864
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	18.0	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

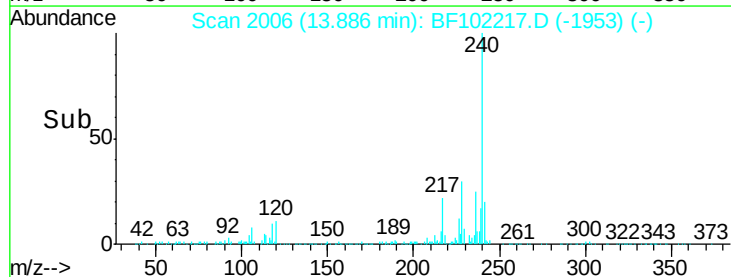
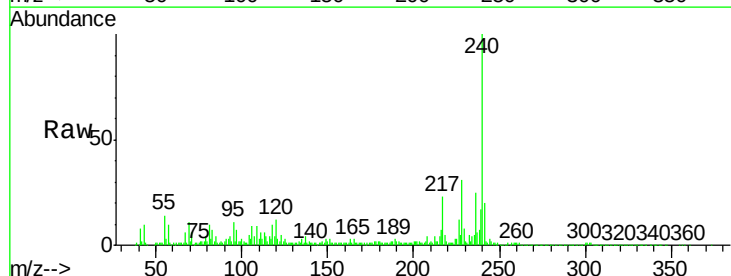
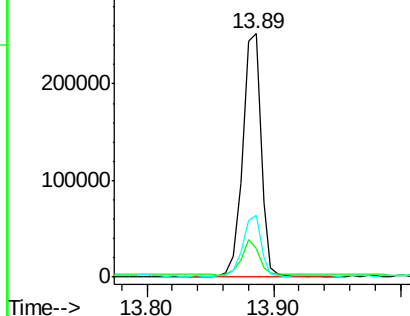
Delta R.T. 0.01 min

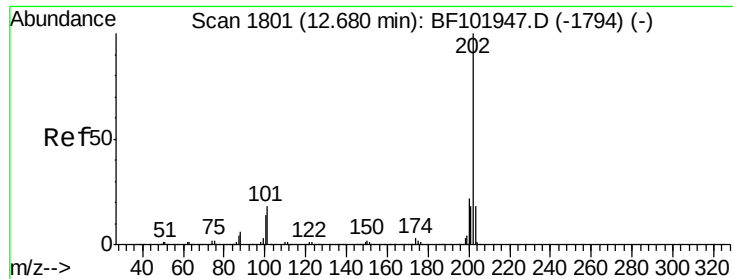
Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion:	240	Resp:	251912
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	25.5	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 40.591 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

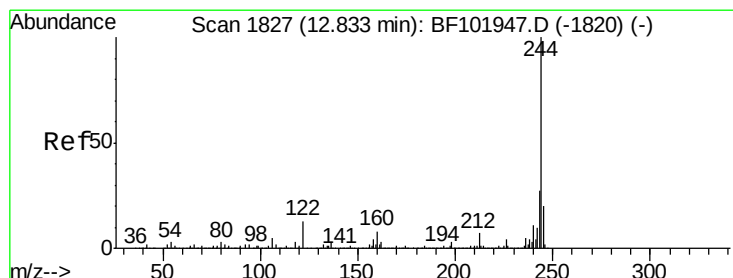
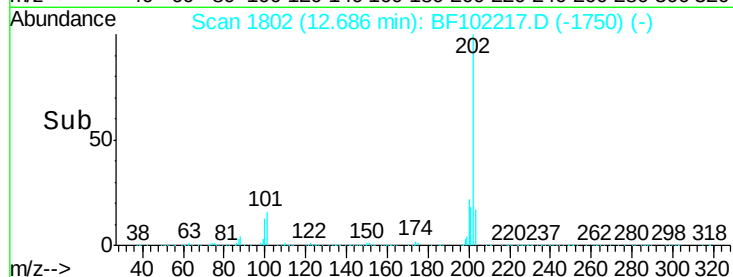
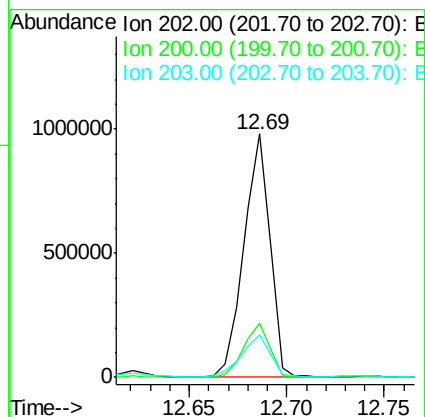
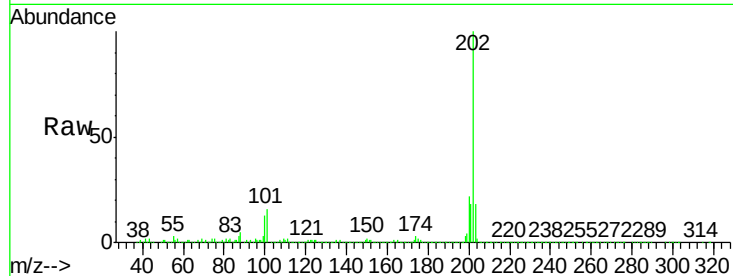
ClientSampleId :

A2_SB103_W-S_5

Tot Ion:	202	Resp:	903854
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 64.696 ng

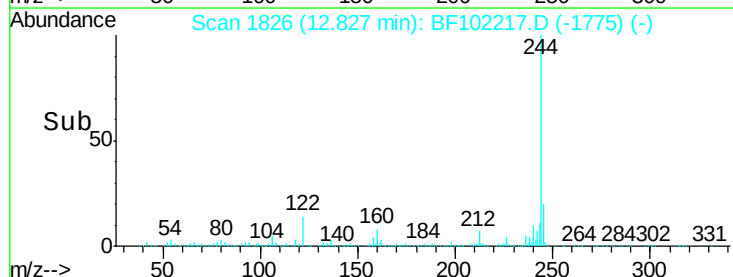
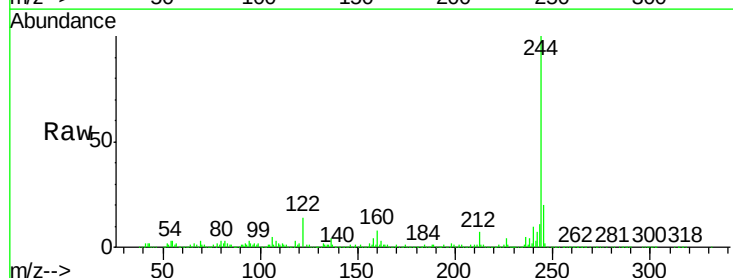
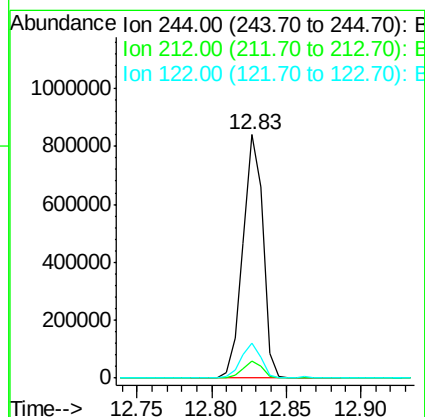
RT: 12.83 min Scan# 1826

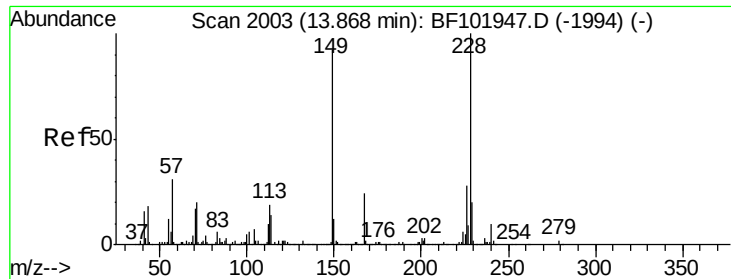
Delta R.T. 0.00 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Tgt Ion:	244	Resp:	784959
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	14.3	11.0	16.4





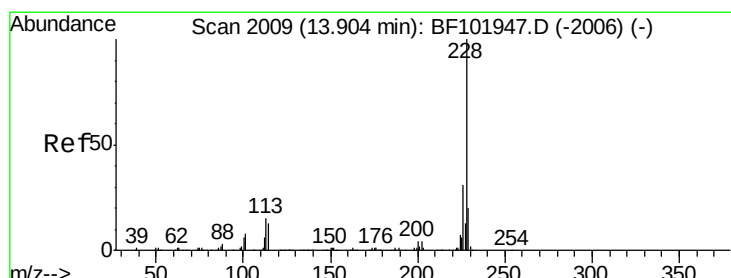
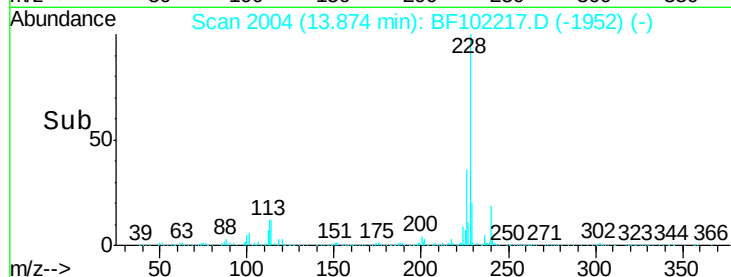
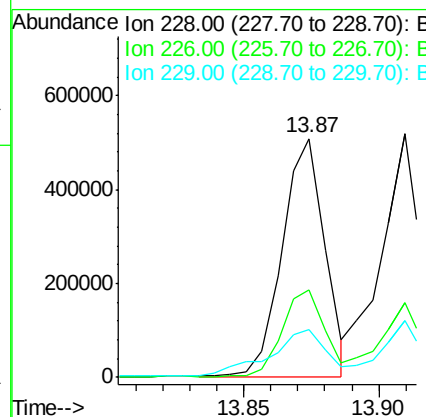
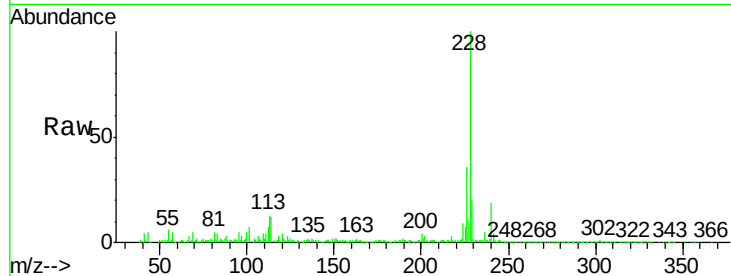
#80
Benzo(a)anthracene
Concen: 34.910 ng m
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.6	33.8#
229	20.3	15.8	23.6

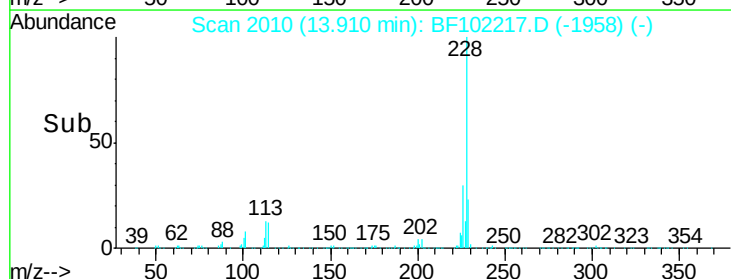
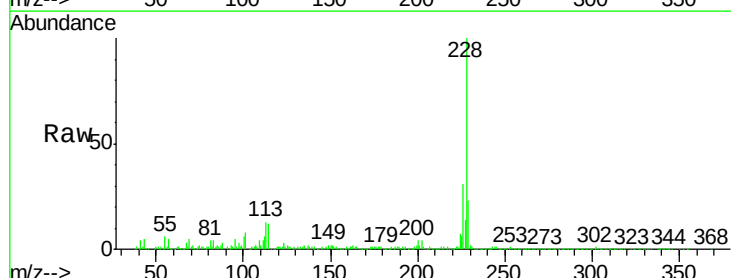
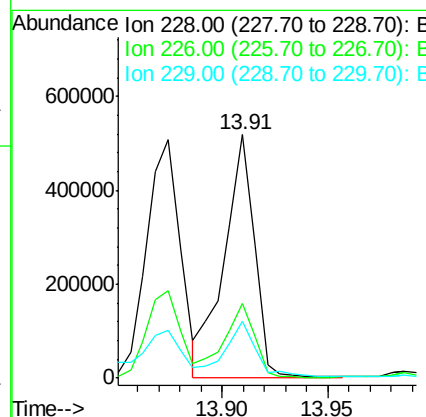
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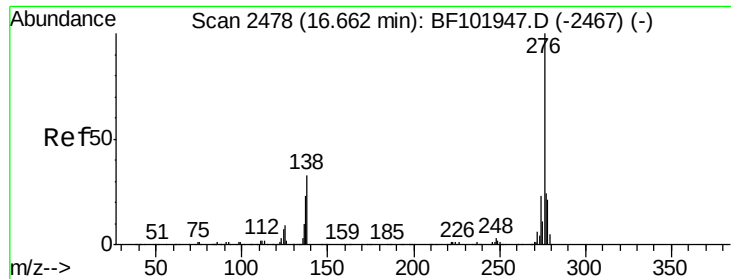
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#82
Chrysene
Concen: 30.492 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.0	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.372 ng

RT: 16.69 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BF102217.D

Acq: 19 Jan 2018 12:51

Instrument :

BNA_F

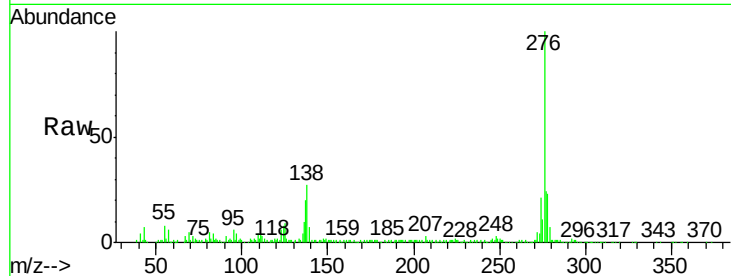
ClientSampleId :

A2_SB103_W-S_5

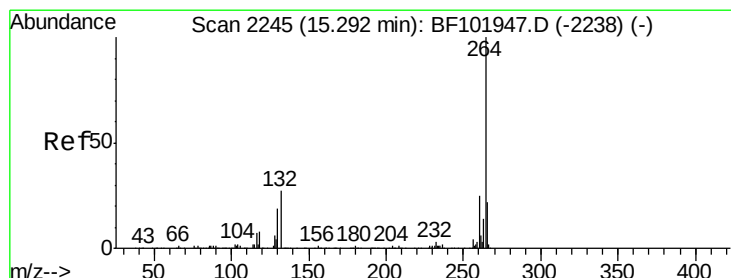
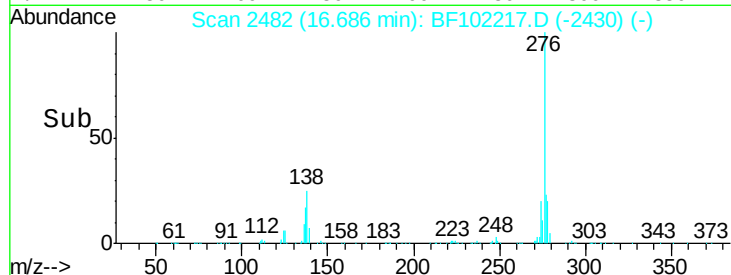
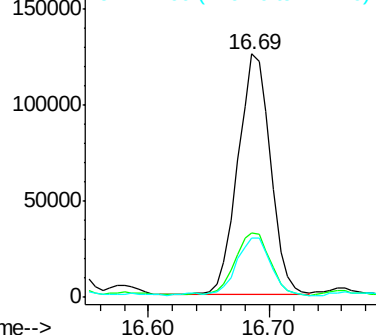
Tot Ion:	276	Resp:	236300
Ion Ratio	Lower	Upper	
276	100		
138	27.6	25.0	37.6
277	25.8	20.1	30.1

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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

Perylene-d12

Concen: 20.000 ng

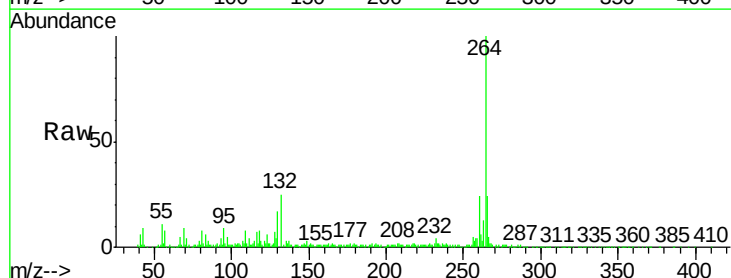
RT: 15.30 min Scan# 2247

Delta R.T. 0.01 min

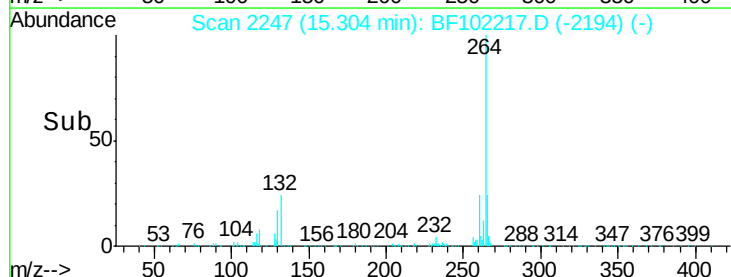
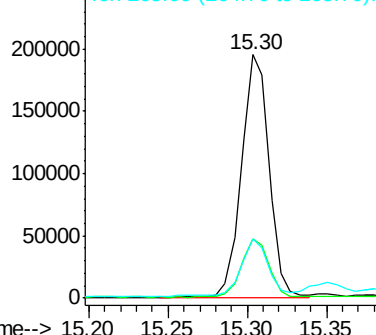
Lab File: BF102217.D

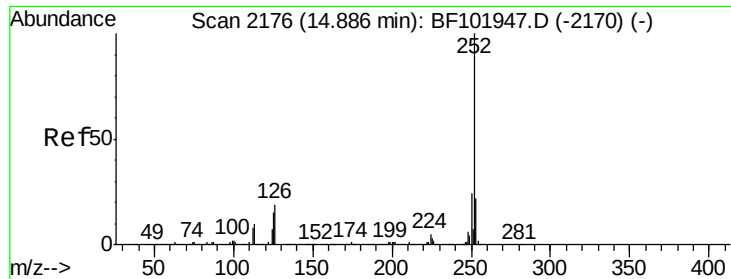
Acq: 19 Jan 2018 12:51

Tgt Ion:	264	Resp:	236063
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	24.2	17.5	26.3



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





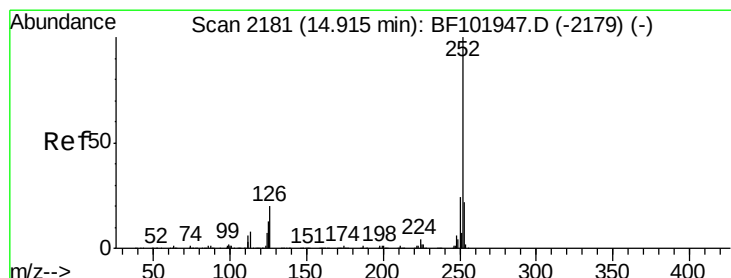
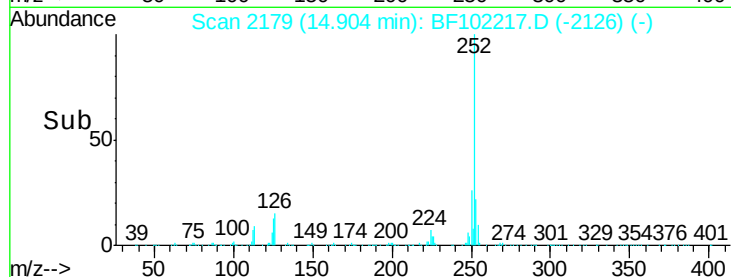
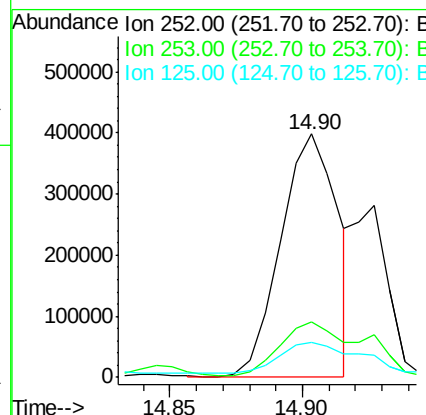
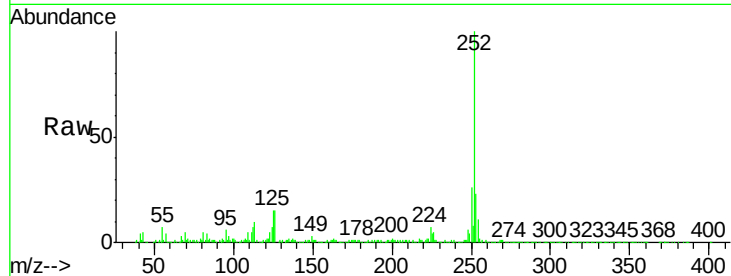
#87
Benzo(b)fluoranthene
Concen: 38.863 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.6	9.0	13.6

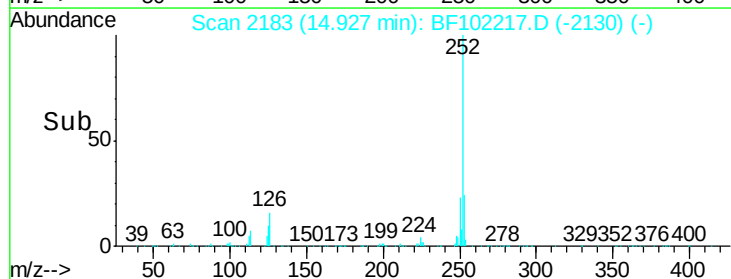
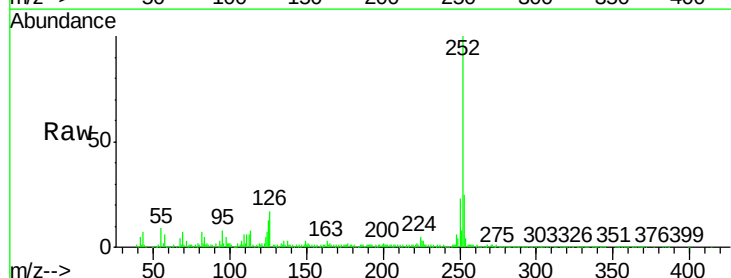
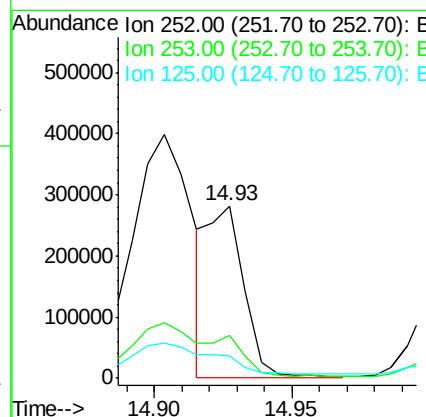
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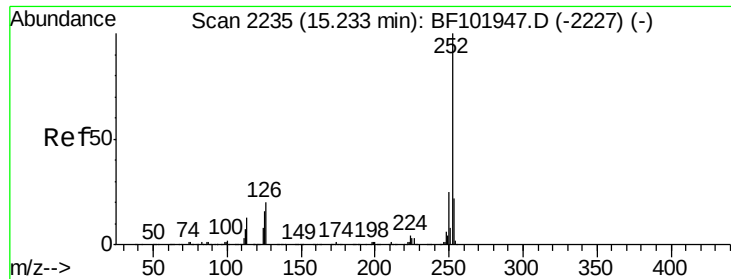
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#88
Benzo(k)fluoranthene
Concen: 17.248 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	13.0	10.2	15.2





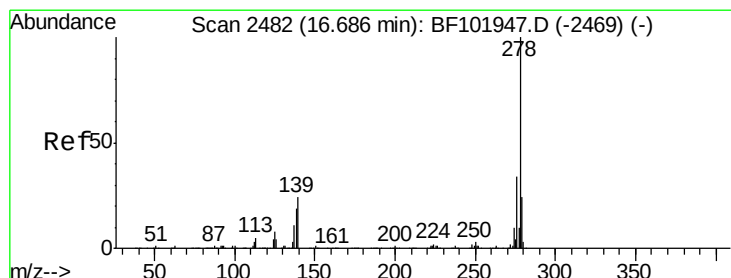
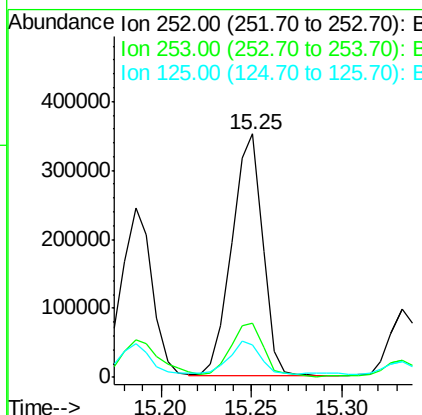
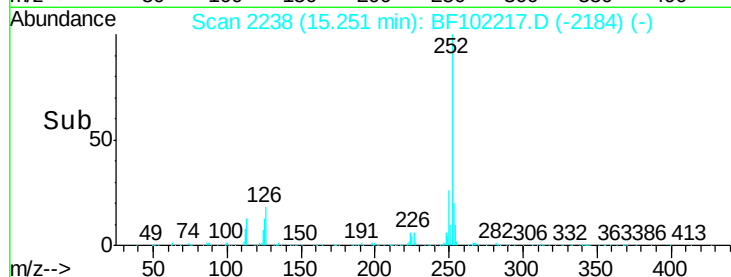
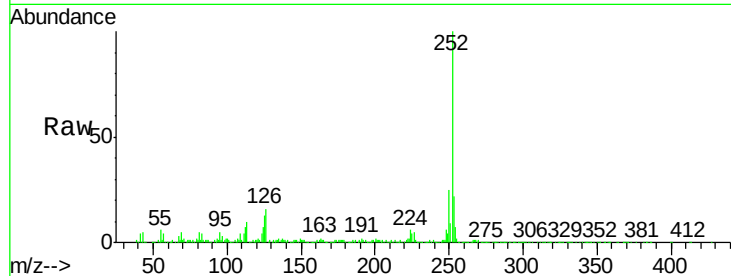
#89
Benzo(a)pyrene
Concen: 30.180 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.1	9.8	14.6

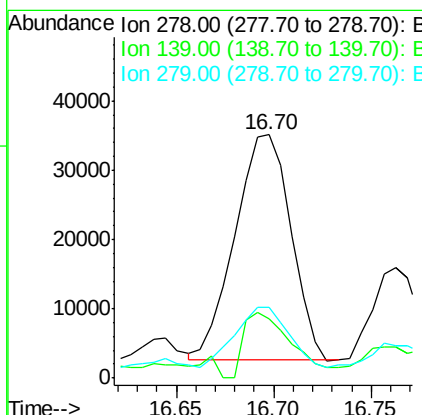
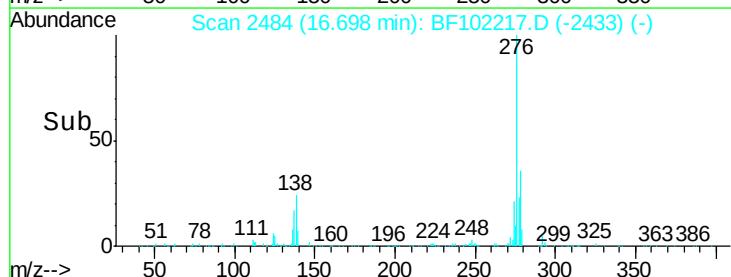
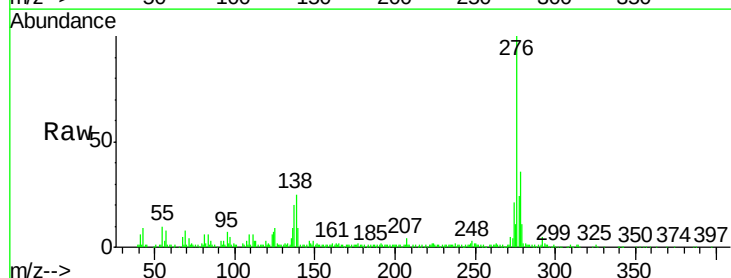
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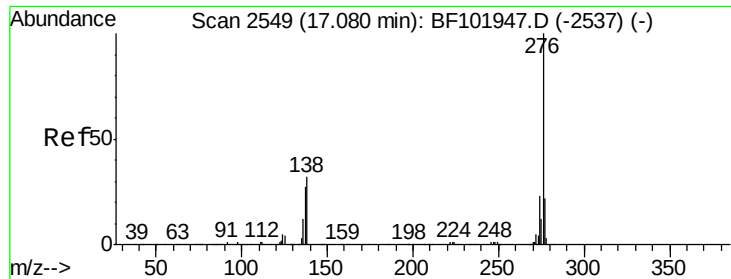
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#90
Dibenzo(a,h)anthracene
Concen: 5.850 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BF102217.D
Acq: 19 Jan 2018 12:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.1	15.9	23.9#
279	29.0	19.0	28.4#





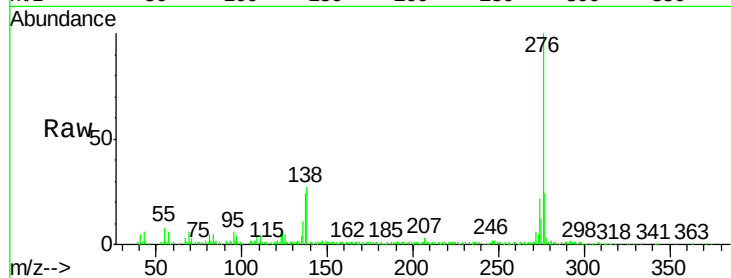
#91
 Benzo(a,h,i)perylene
 Concen: 17.848 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. 0.01 min
 Lab File: BF102217.D
 Acq: 19 Jan 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-S_5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	26.6	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

