

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103267.D
 Acq On : 27 Feb 2018 17:08
 Operator : SJ/JU
 Sample : J1698-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2

Manual Integrations
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 2/28/2018 11:17:49 AM

Quant Time: Feb 27 17:45:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	145716	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614279	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	256505	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	382058	20.00	ng	0.00
75) Chrysene-d12	14.06	240	250080	20.00	ng	0.00
86) Perylene-d12	15.56	264	218506	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	943527	97.93	ng	0.00
7) Phenol-d6	6.51	99	1133440	96.14	ng	0.00
23) Nitrobenzene-d5	7.44	82	709426	65.95	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	197272	90.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1062599	68.00	ng	0.00
78) Terphenyl-d14	12.99	244	703908	67.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	148615	7.222	ng	99
70) Phenanthrene	11.43	178	73740	3.507	ng	98
74) Fluoranthene	12.62	202	153060	7.244	ng	97
77) Pyrene	12.86	202	180444	9.255	ng	99
80) Benzo(a)anthracene	14.04	228	85888	5.293	ng	97
82) Chrysene	14.08	228	88450	5.614	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	35980	2.885	ng	99
87) Benzo(b)fluoranthene	15.12	252	96776m	6.736	ng	
88) Benzo(k)fluoranthene	15.14	252	29833m	2.205	ng	
89) Benzo(a)pyrene	15.50	252	69963	5.453	ng	# 85
91) Benzo(g,h,i)perylene	17.55	276	34026	3.512	ng	# 90

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

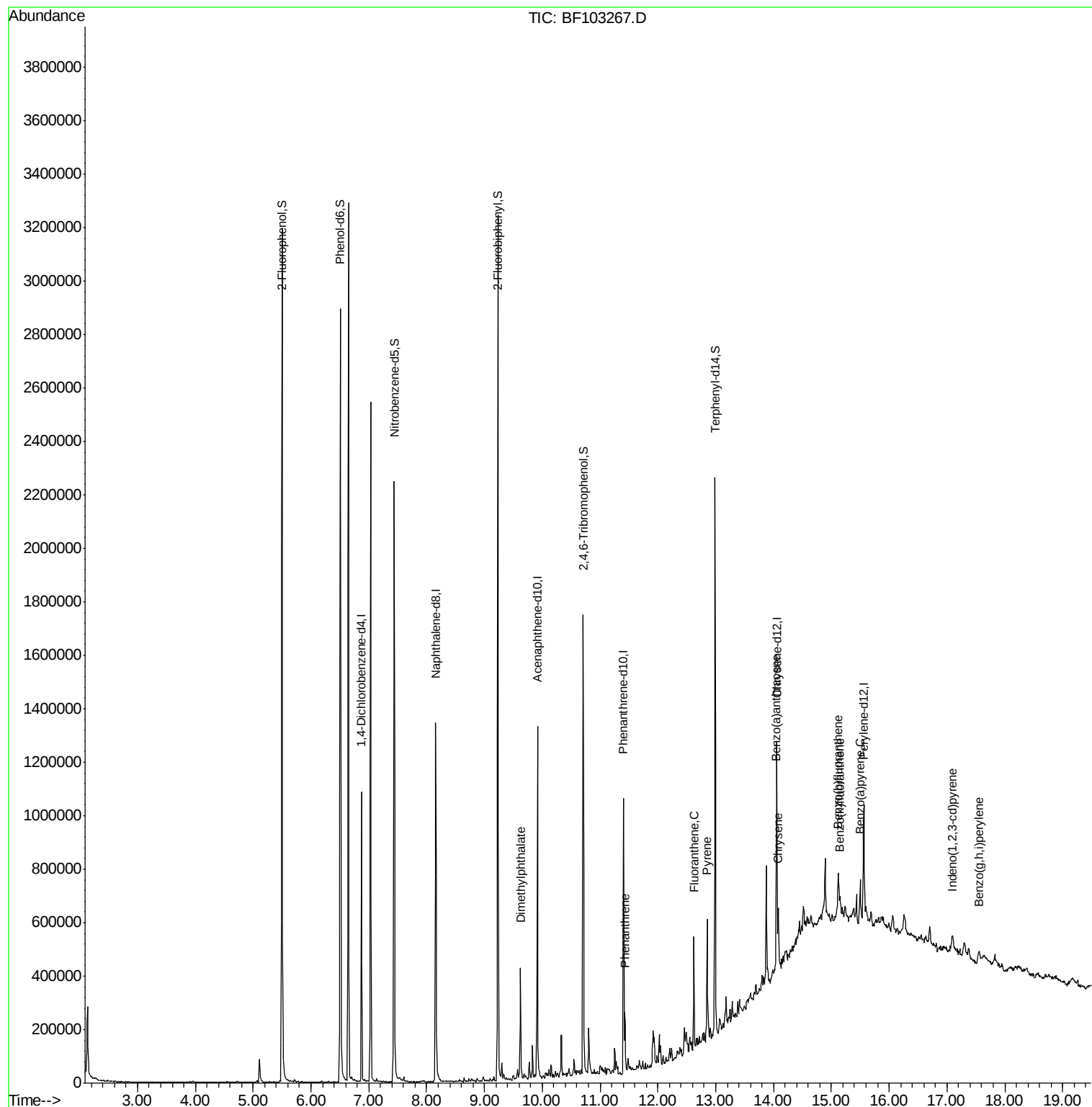
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
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Acq On : 27 Feb 2018 17:08
Operator : SJ/JU
Sample : J1698-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

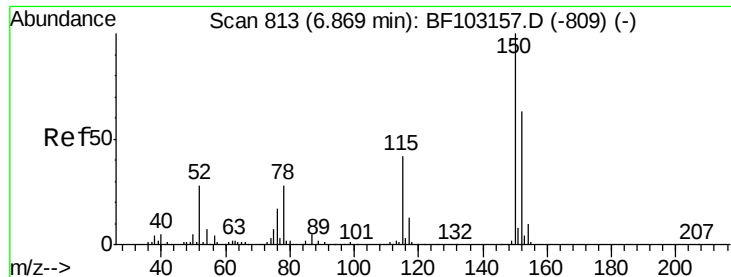
Instrument :
BNA_F
ClientSampleId :
B2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

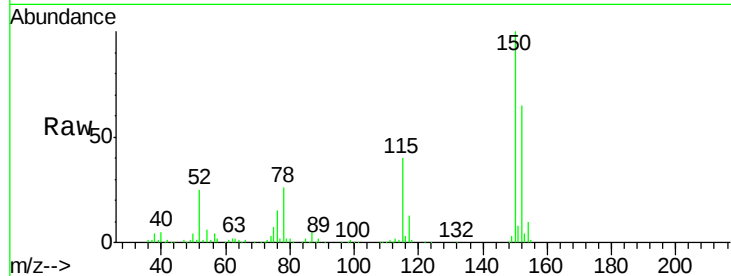
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampled :
B2

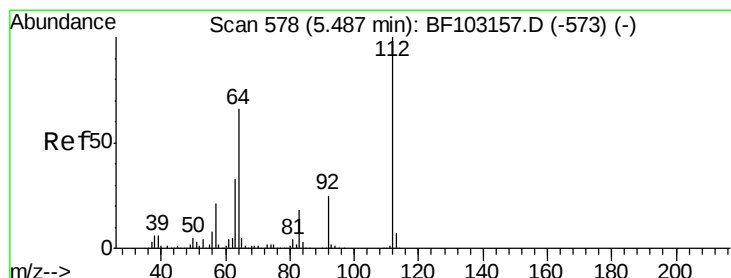
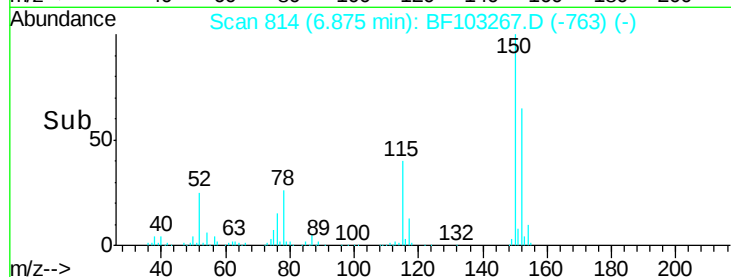
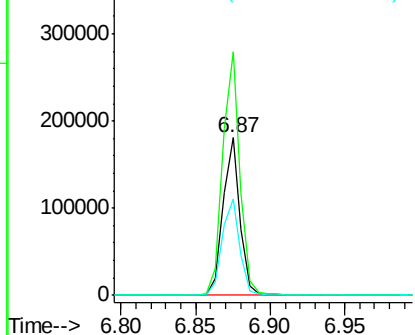
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	61.3	50.1	75.1

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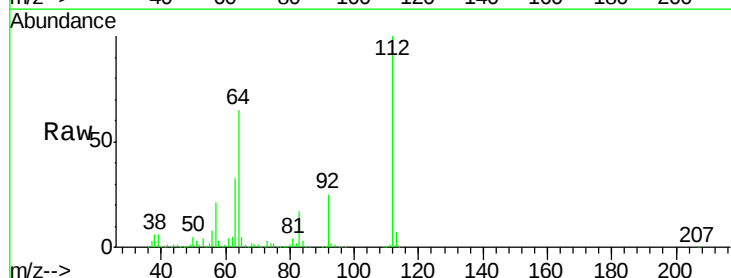
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



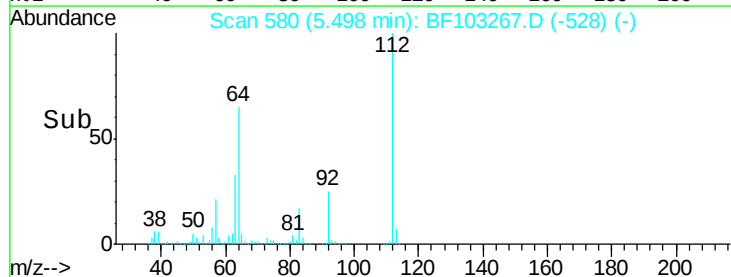
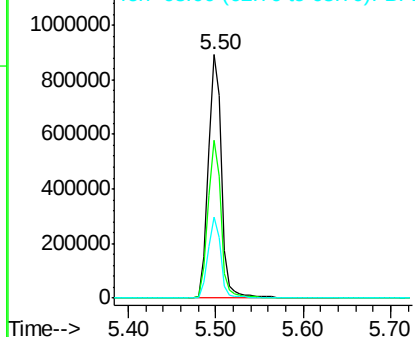
#5

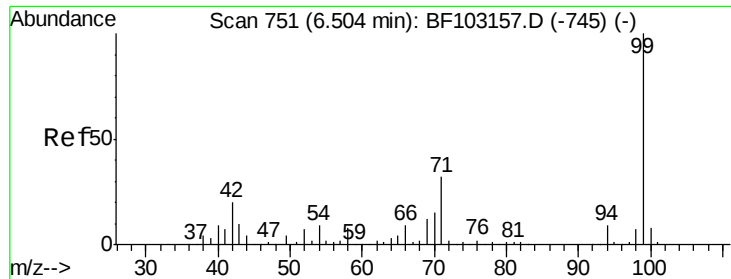
2-Fluorophenol
Concen: 97.931 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	33.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.141 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampled :

B2

Tot Ion: 99 Resp: 1133440

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

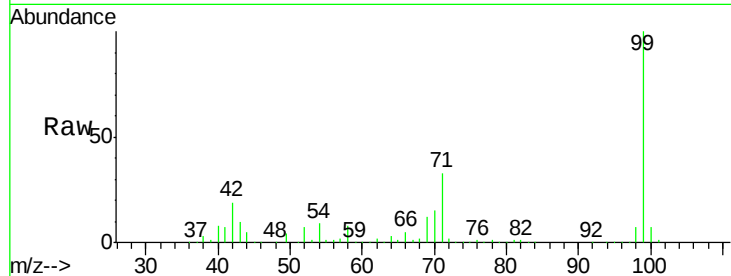
71 33.3 25.4 38.0

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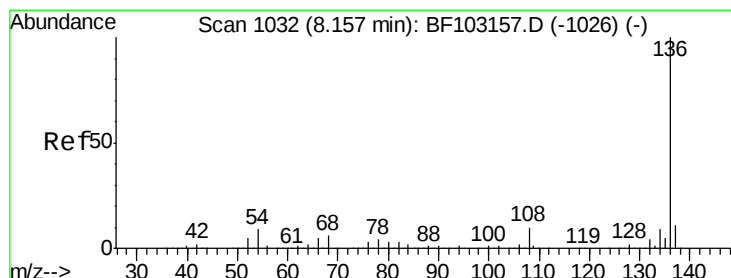
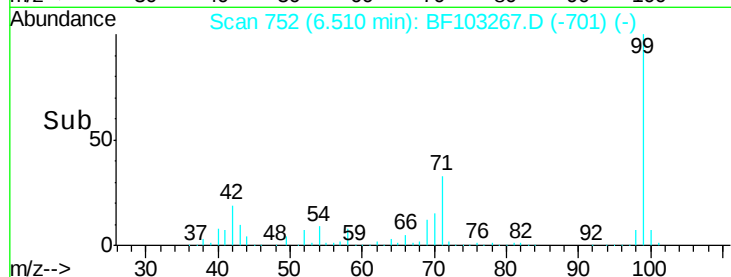
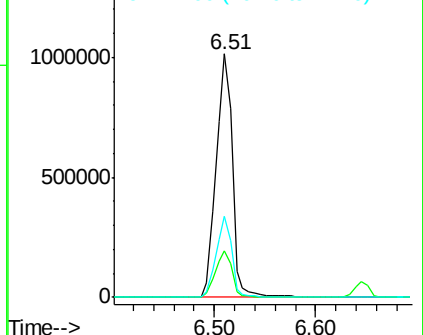
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Tgt Ion: 136 Resp: 614279

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

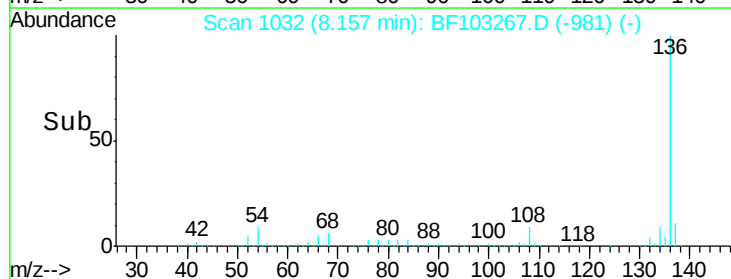
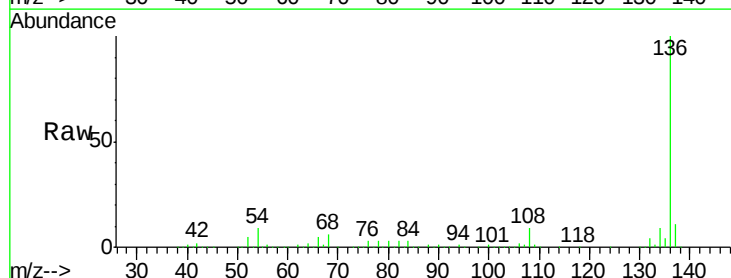
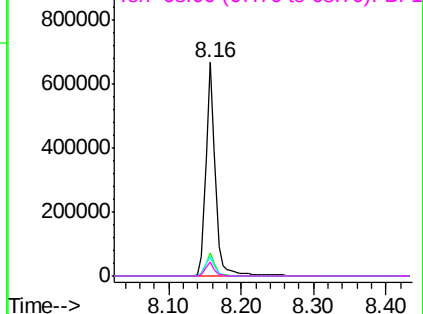
68 6.5 5.0 7.4

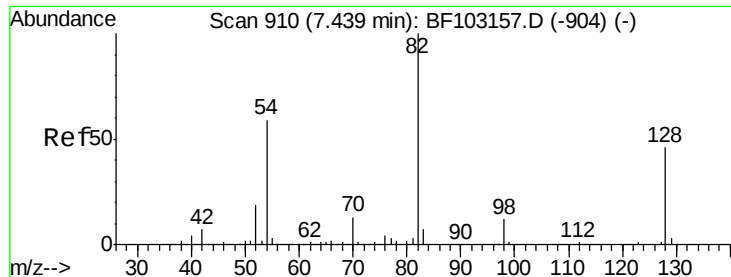
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





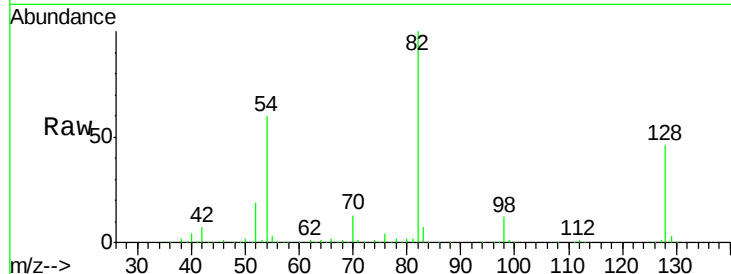
#23
 Nitrobenzene-d5
 Concen: 65.954 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampled :
 B2

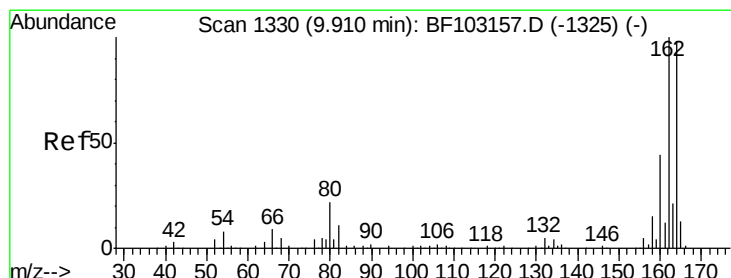
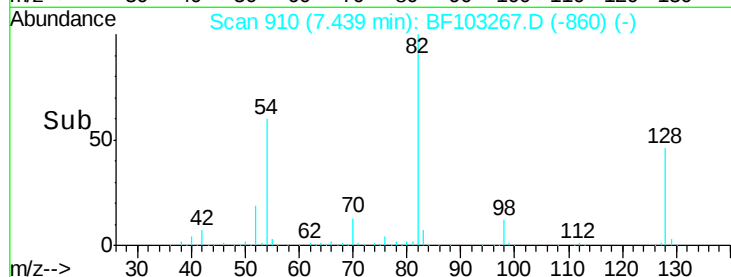
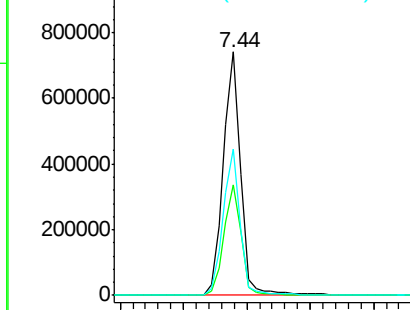
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	59.9	41.4	62.2

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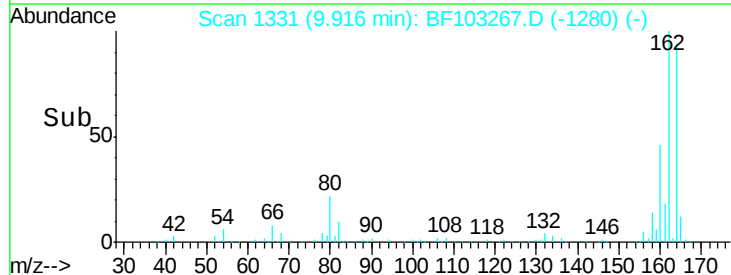
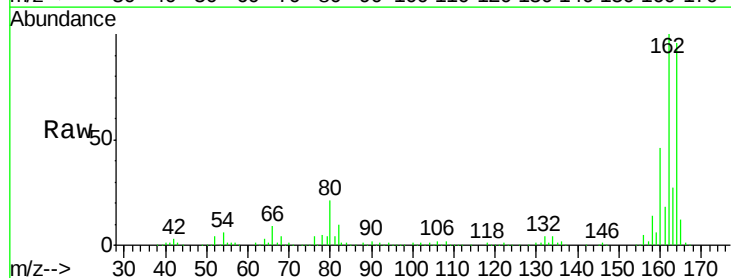
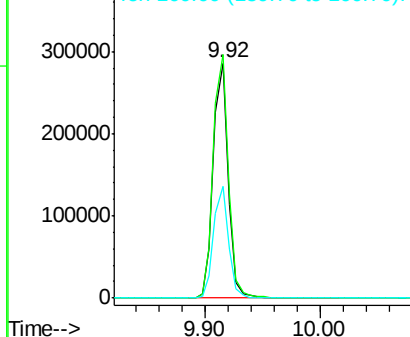
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

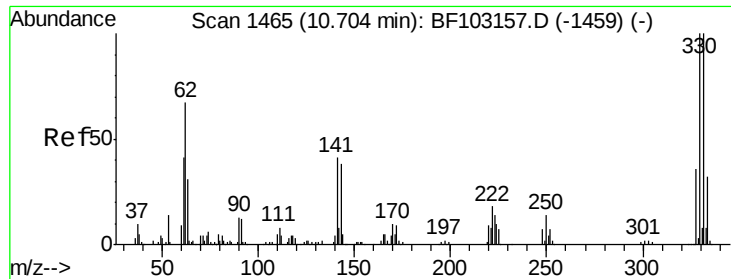


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	47.4	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





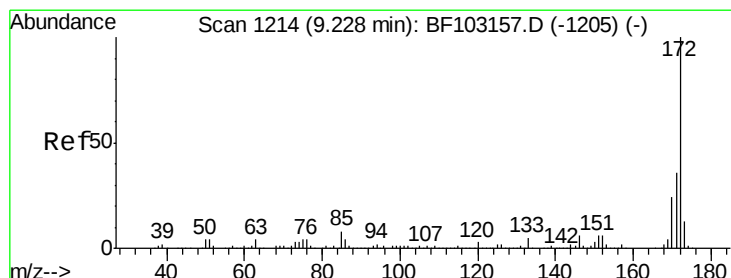
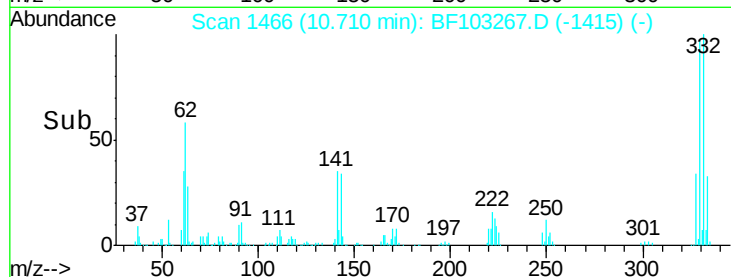
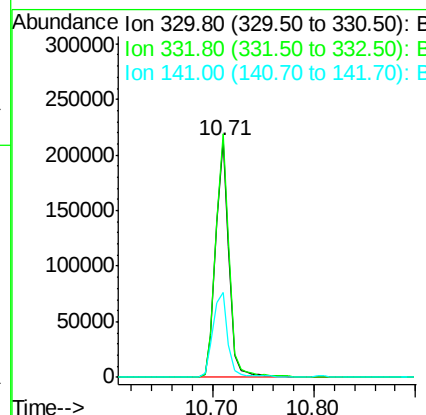
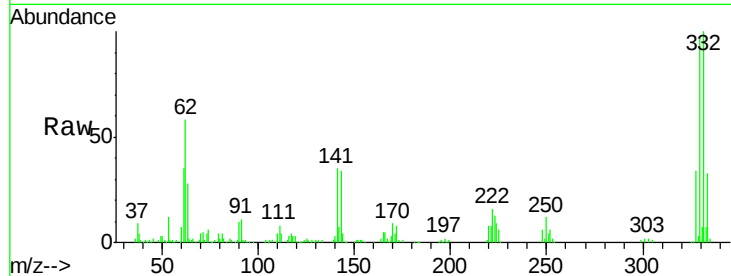
#41
 2,4,6-Tribromophenol
 Concen: 90.860 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.6
141	40.1	29.9	44.9

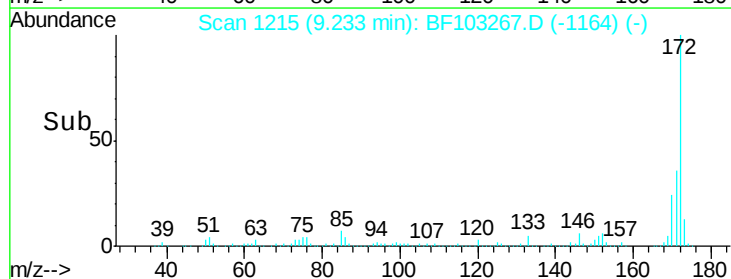
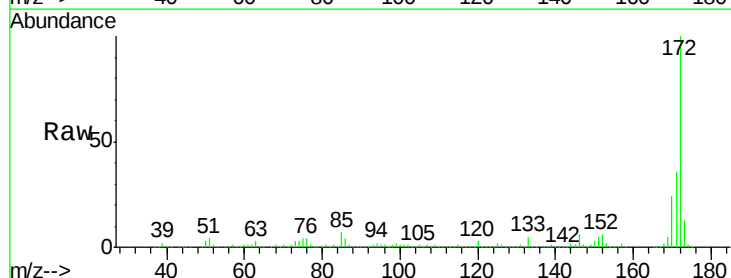
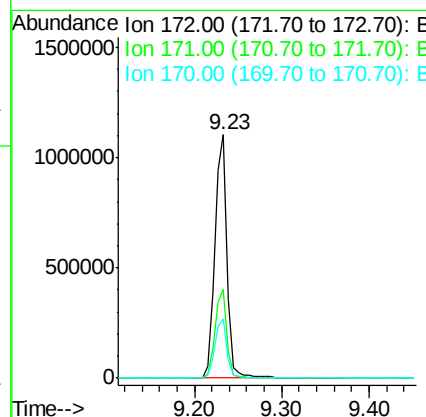
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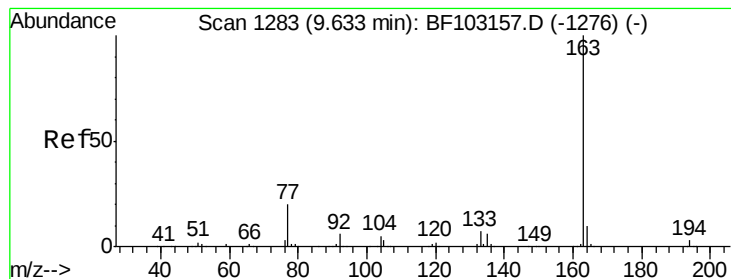
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#44
 2-Fluorobiphenyl
 Concen: 68.000 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 7.222 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

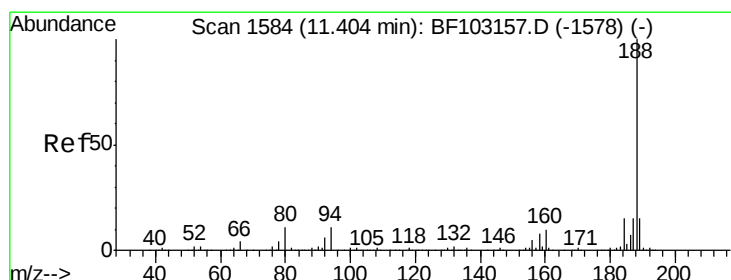
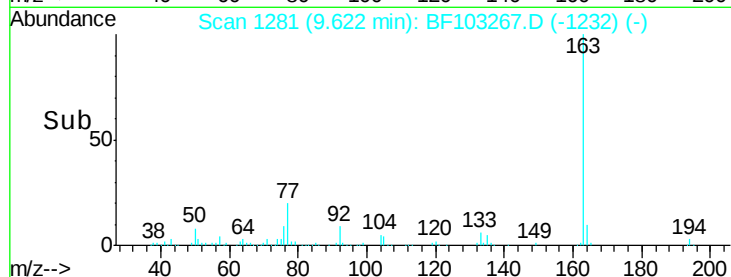
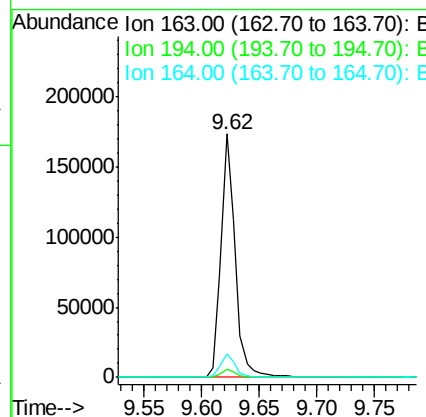
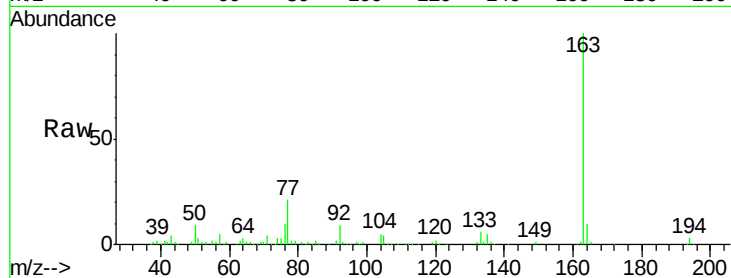
ClientSampleId :

B2

Tot Ion:	163	Resp:	148615
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	9.7	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

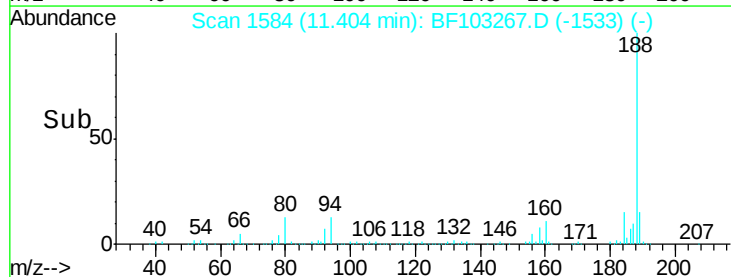
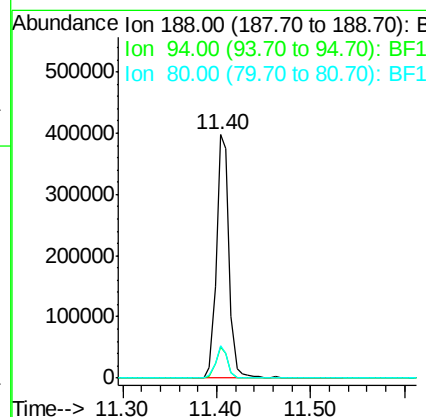
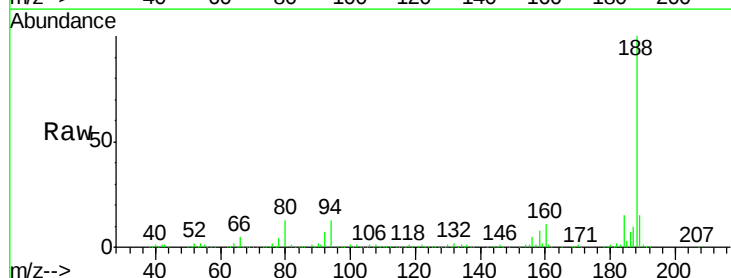
RT: 11.40 min Scan# 1584

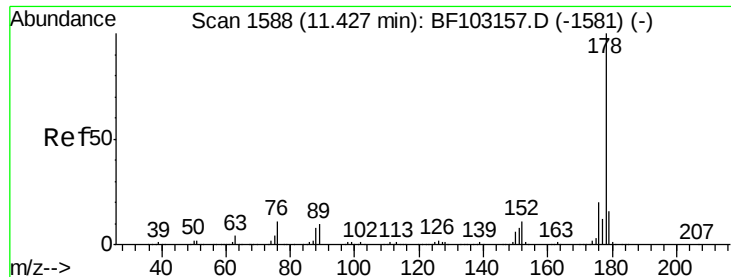
Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Tgt Ion:	188	Resp:	382058
Ion Ratio	Lower	Upper	
188	100		
94	12.9	8.5	12.7#
80	13.5	9.2	13.8





#70

Phenanthrene

Concen: 3.507 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

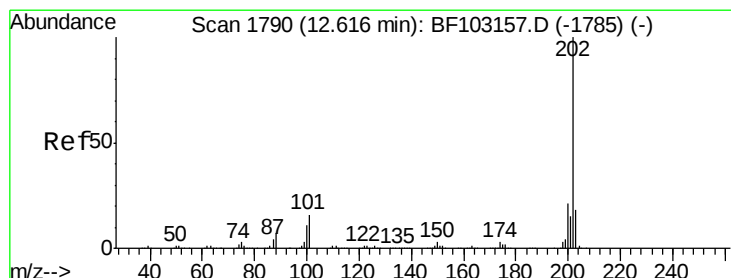
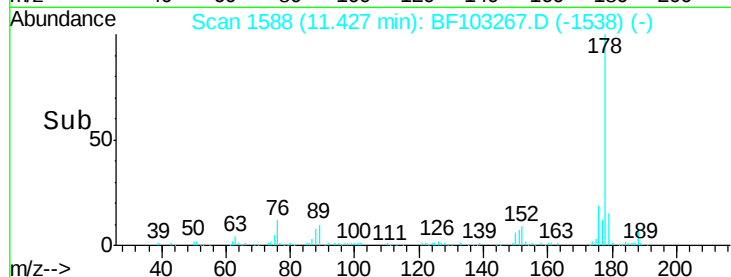
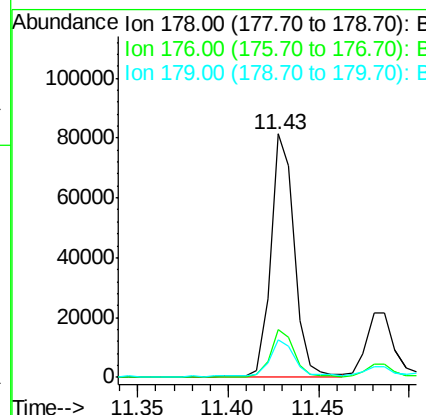
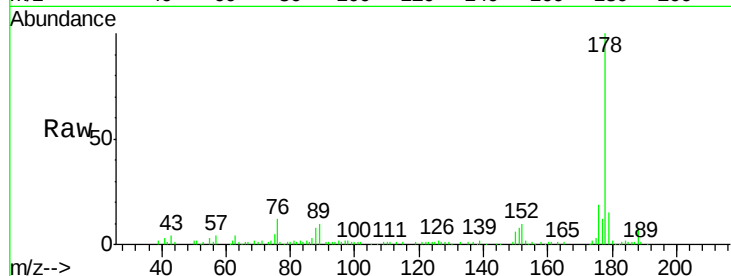
ClientSampleId :

B2

Tot Ion:	178	Resp:	73740
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

Manual Integrations
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#74

Fluoranthene

Concen: 7.244 ng

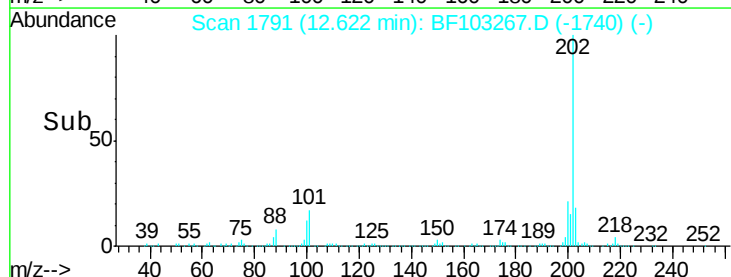
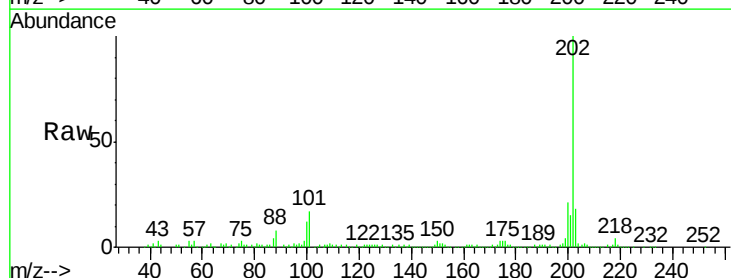
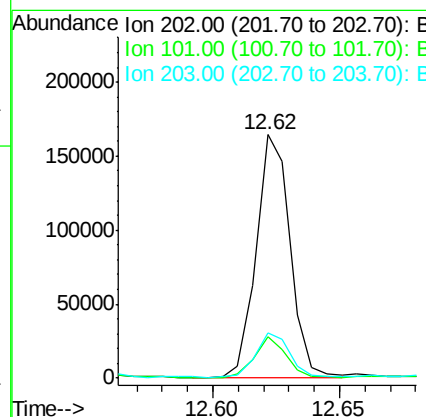
RT: 12.62 min Scan# 1791

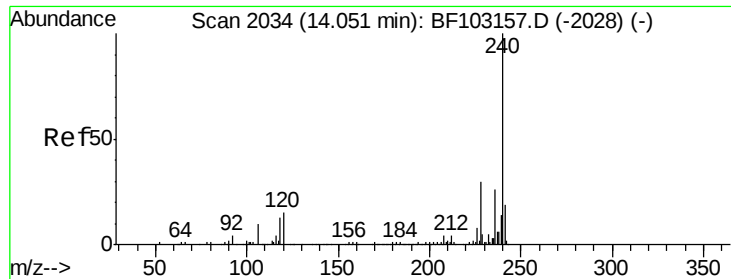
Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Tgt Ion:	202	Resp:	153060
Ion Ratio	Lower	Upper	
202	100		
101	16.8	0.0	34.1
203	18.4	0.0	38.1





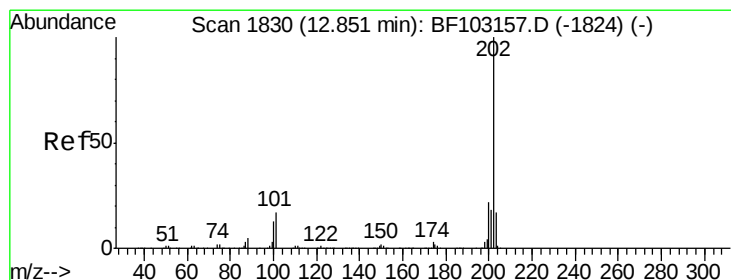
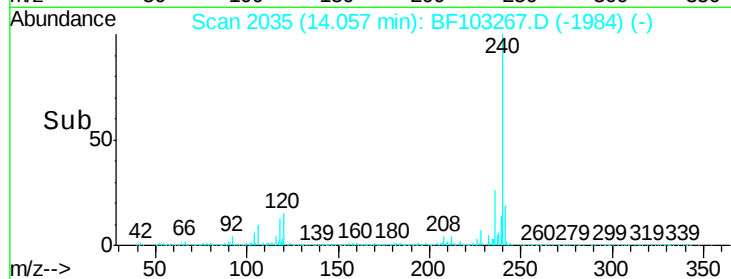
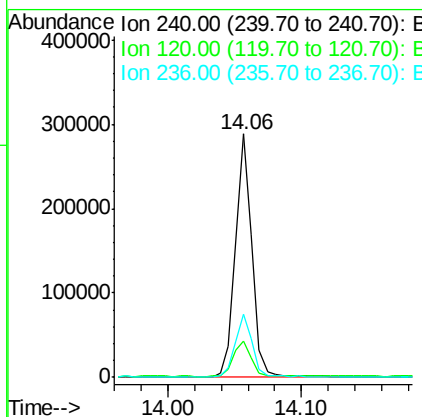
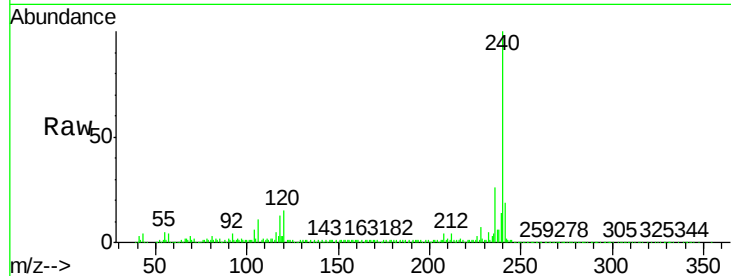
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampleId :
 B2

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	25.9	20.7	31.1

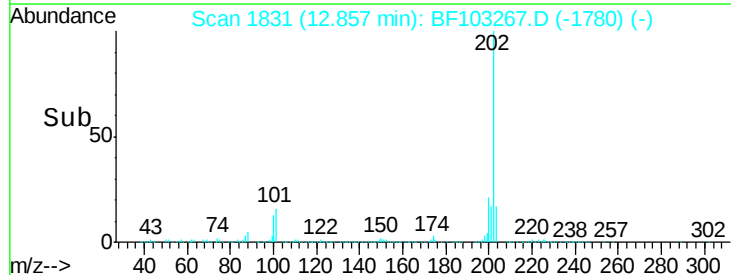
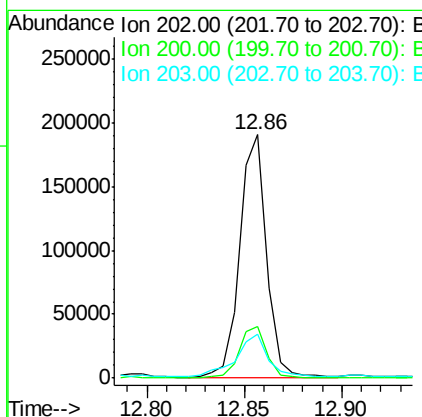
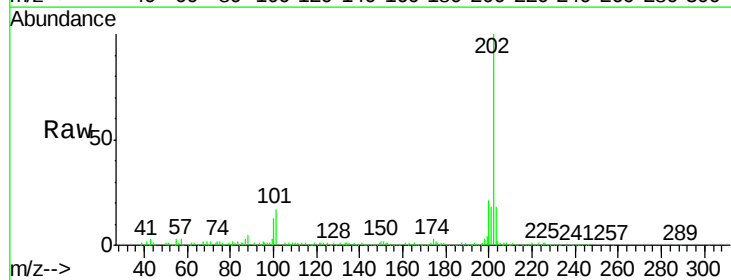
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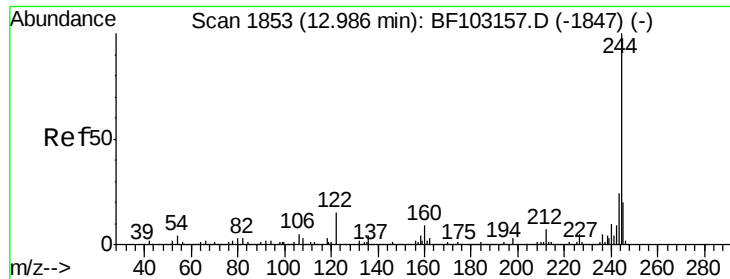
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#77
 Pyrene
 Concen: 9.255 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 67.662 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

Instrument :

BNA_F

ClientSampled :

B2

Tot Ion:244 Resp: 703908

Ion Ratio Lower Upper

244 100

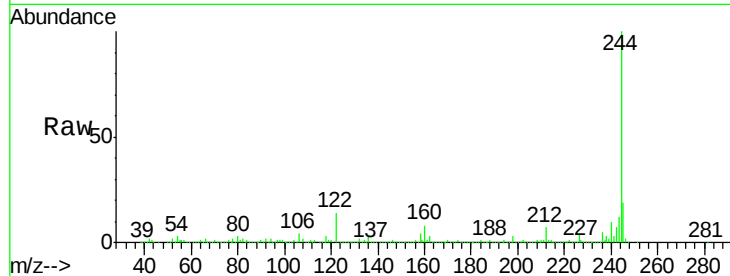
212 6.8 5.4 8.0

122 14.5 11.0 16.4

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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.99

800000

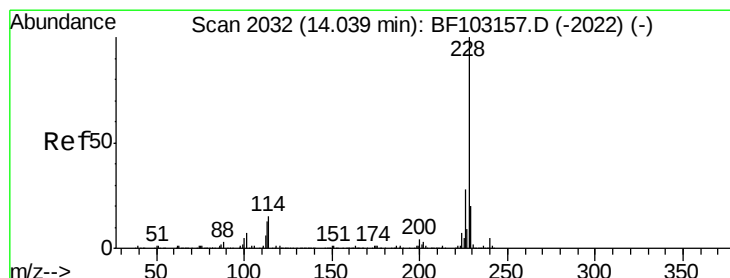
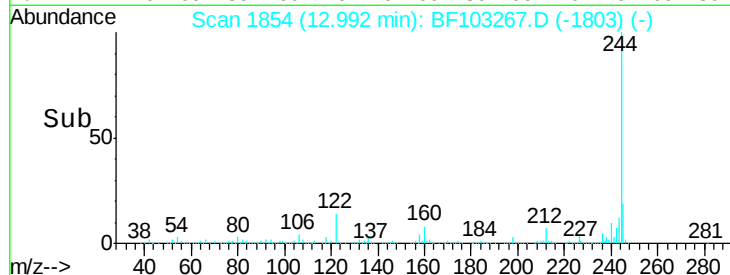
600000

400000

200000

0

Time--> 12.90 13.00 13.10



#80

Benzo(a)anthracene

Concen: 5.293 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103267.D

Acq: 27 Feb 2018 17:08

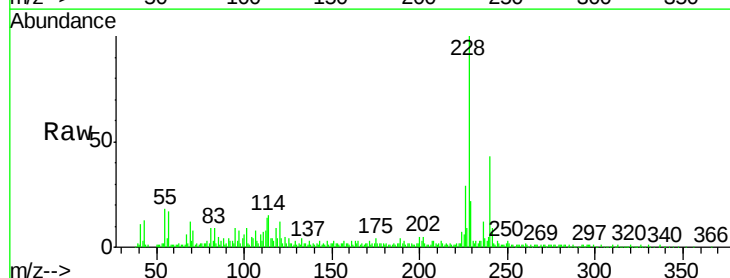
Tgt Ion:228 Resp: 85888

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

229 22.0 15.8 23.6



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

14.04

120000

100000

80000

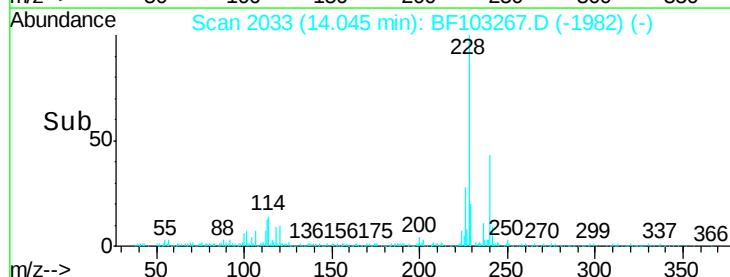
60000

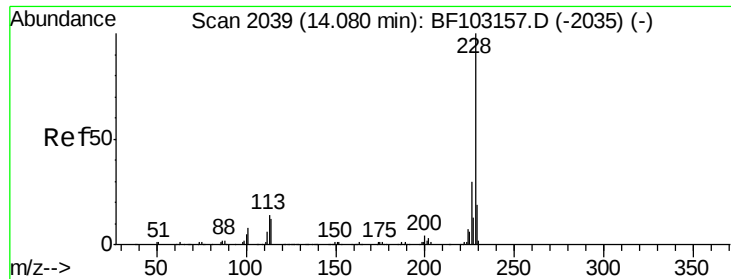
40000

20000

0

Time--> 13.95 14.00 14.05





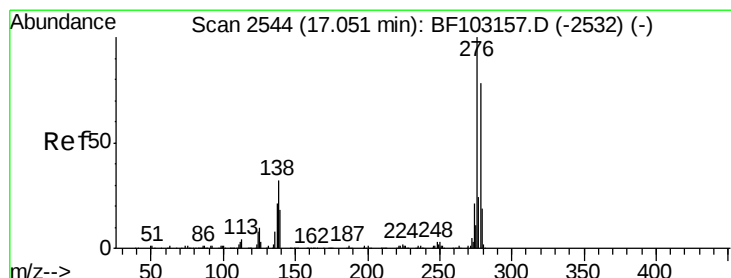
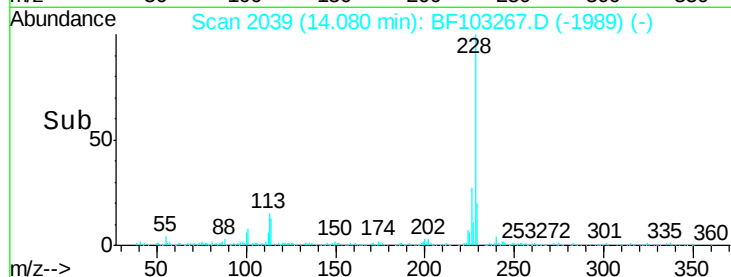
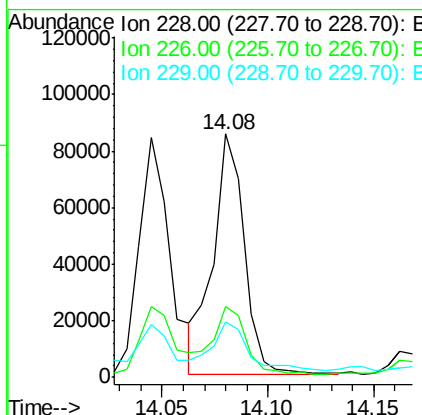
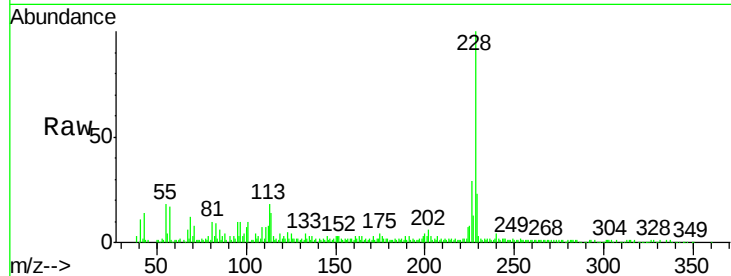
#82
Chrysene
Concen: 5.614 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion:	228	Resp:	88450
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	23.0	16.2	24.4

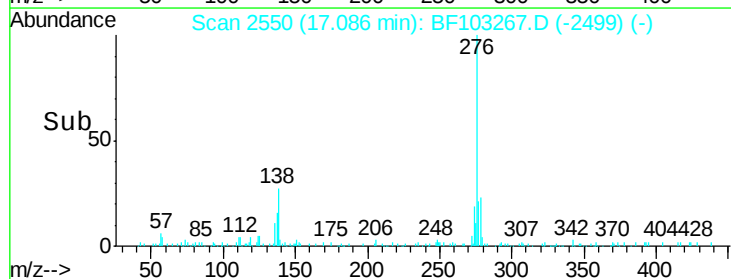
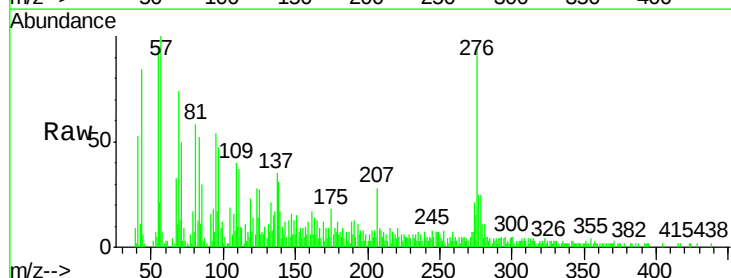
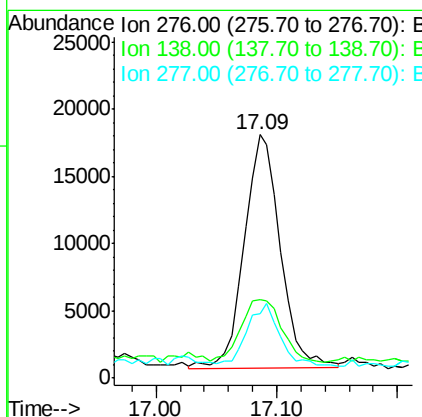
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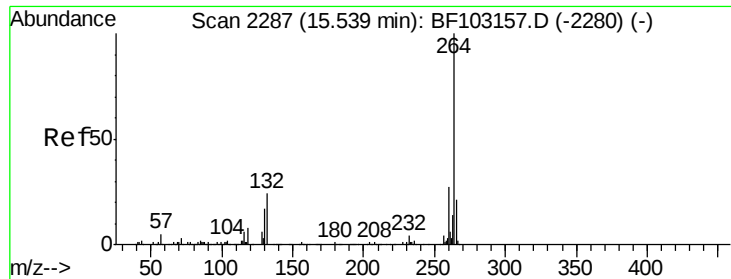
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.885 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion:	276	Resp:	35980
Ion Ratio	Lower	Upper	
276	100		
138	30.6	25.0	37.6
277	25.0	20.1	30.1





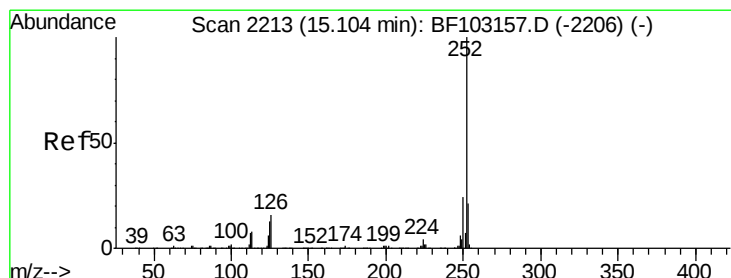
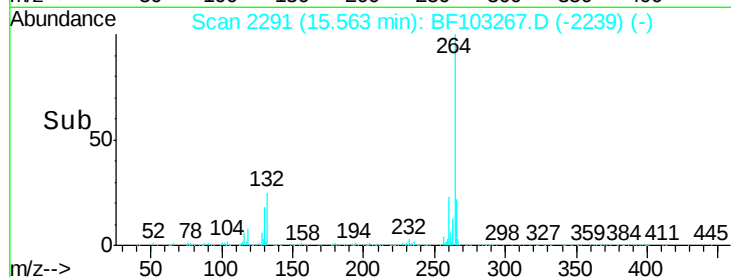
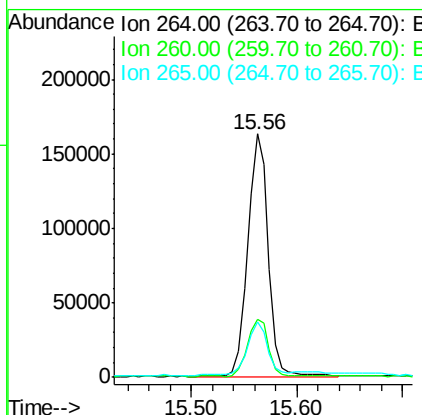
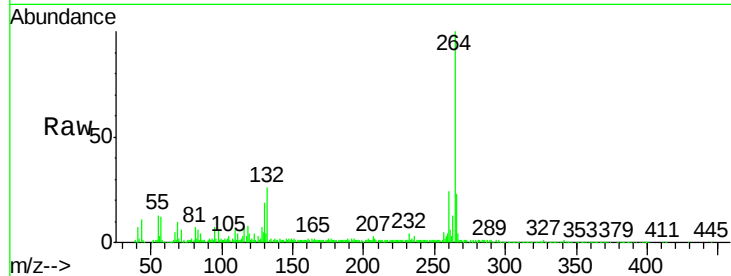
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampleId :
B2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.6	17.5	26.3

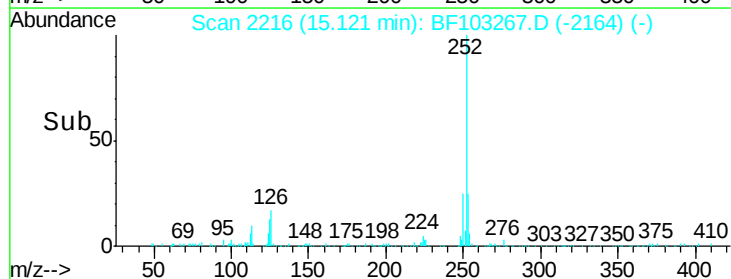
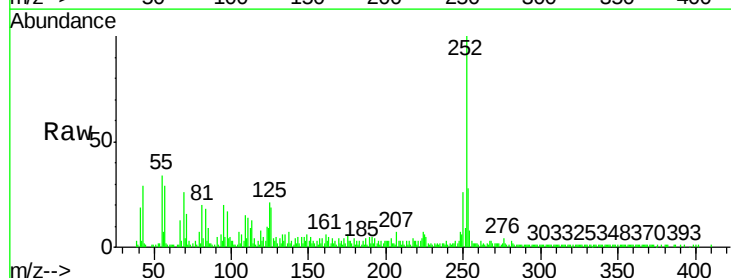
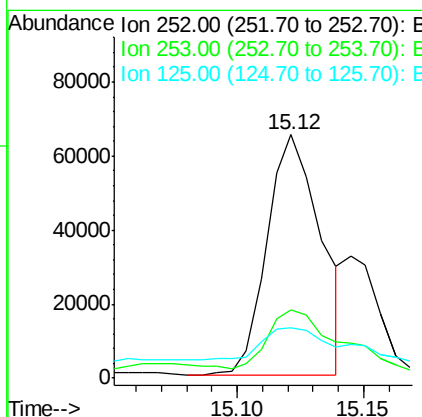
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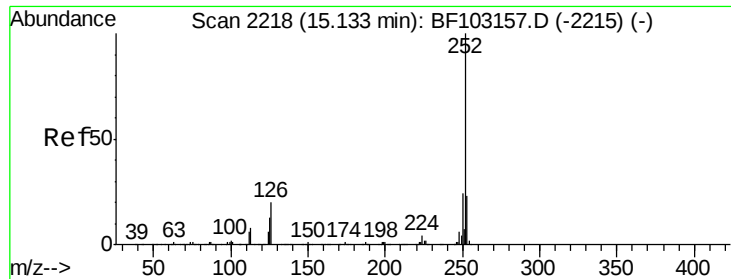
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#87
Benzo(b)fluoranthene
Concen: 6.736 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	20.6	9.0	13.6#





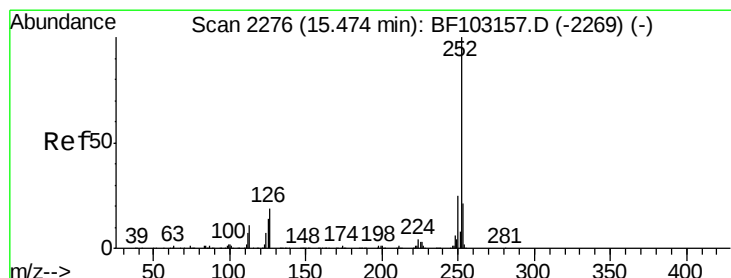
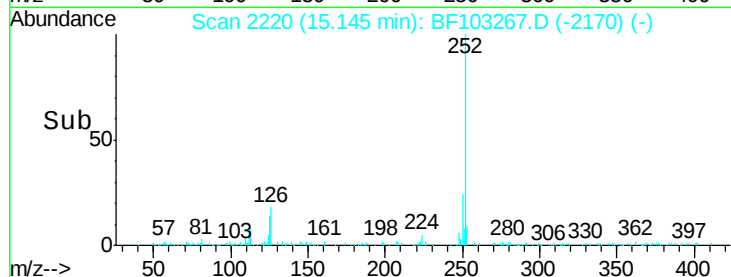
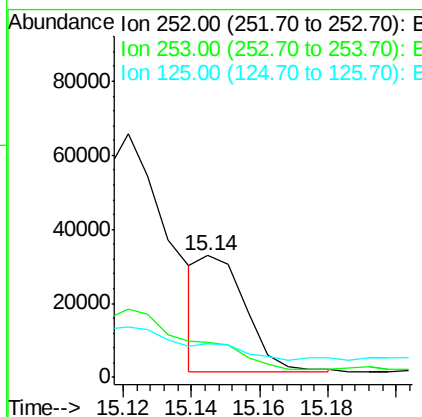
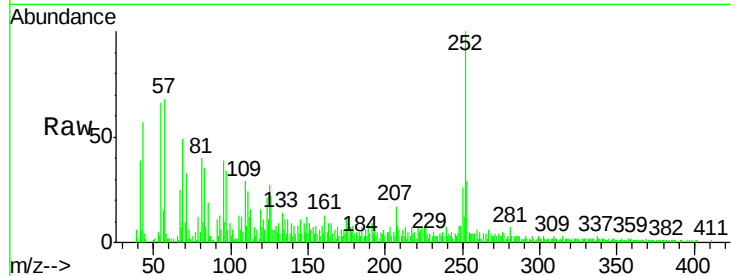
#88
Benzo(k)fluoranthene
Concen: 2.205 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.9	26.9#
125	27.2	10.2	15.2#

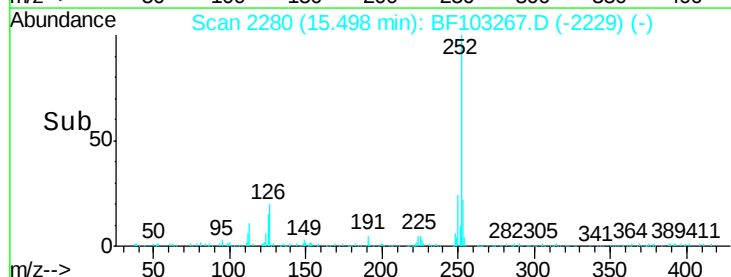
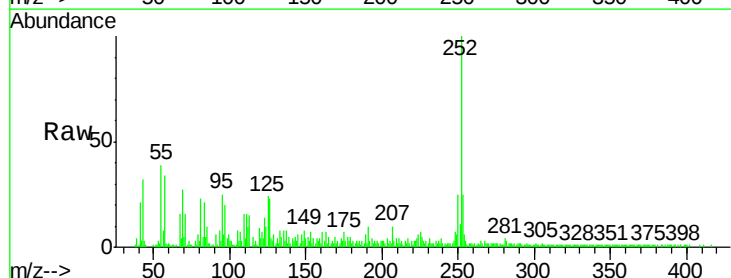
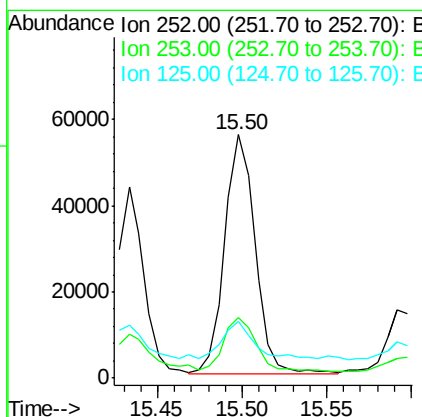
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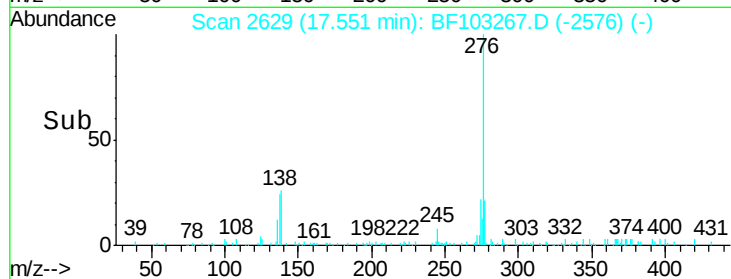
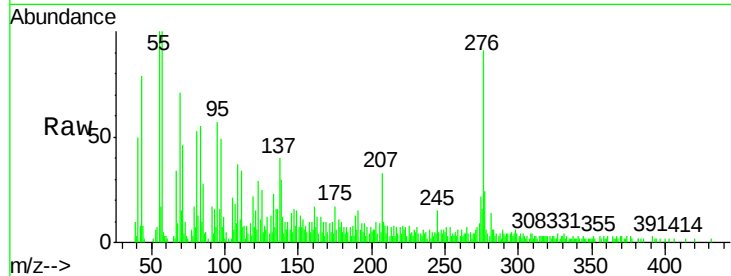
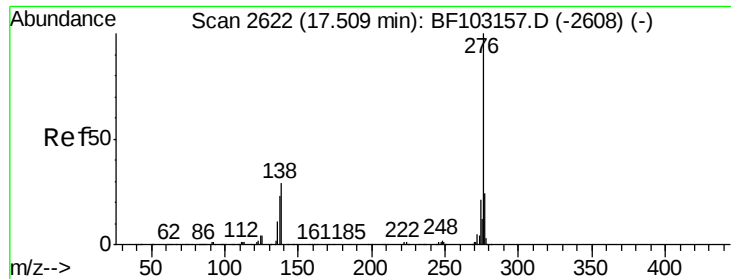
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#89
Benzo(a)pyrene
Concen: 5.453 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF103267.D
Acq: 27 Feb 2018 17:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	23.5	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.512 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF103267.D
 Acq: 27 Feb 2018 17:08

Instrument :
 BNA_F
 ClientSampleId :
 B2

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	33.3	21.8	32.8

Manual Integrations
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