

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103217.D
 Acq On : 26 Feb 2018 14:33
 Operator : SJ/JU
 Sample : J1652-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3026

Manual Integrations
 APPROVED

Sohil
 2/27/2018 12:22:43 PM

Quant Time: Feb 26 16:23:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	180488	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	736114	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	302602	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	441271	20.00	ng	0.00
75) Chrysene-d12	14.04	240	323044	20.00	ng	0.00
86) Perylene-d12	15.54	264	333124	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1448023	121.34	ng	0.01
7) Phenol-d6	6.51	99	1689151	115.67	ng	0.00
23) Nitrobenzene-d5	7.44	82	1128166	87.52	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	278969	108.91	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1523817	87.29	ng	0.00
78) Terphenyl-d14	12.98	244	997029	74.19	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	124980	5.148	ng	Qvalue 100
70) Phenanthrene	11.42	178	91722	3.777	ng	98
74) Fluoranthene	12.61	202	190310	7.799	ng	97
77) Pyrene	12.84	202	169188	6.717	ng	98
80) Benzo(a)anthracene	14.03	228	84852	4.048	ng	98
82) Chrysene	14.07	228	73276	3.600	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	35800	2.222	ng	96
87) Benzo(b)fluoranthene	15.10	252	91706m	4.187	ng	
88) Benzo(k)fluoranthene	15.13	252	42538m	2.062	ng	
89) Benzo(a)pyrene	15.47	252	72359	3.700	ng	# 93
91) Benzo(g,h,i)perylene	17.51	276	35047	2.373	ng	96

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

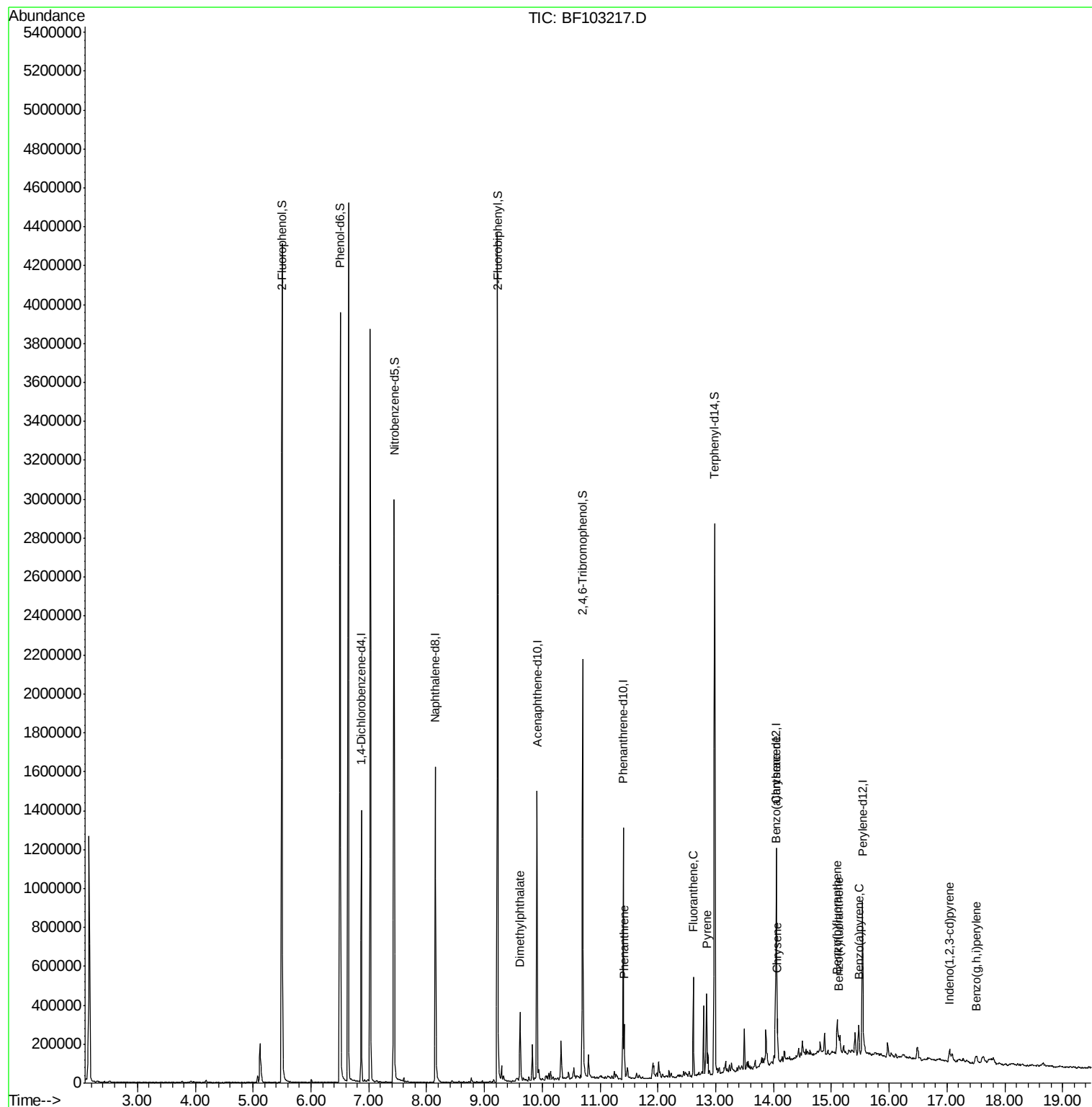
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

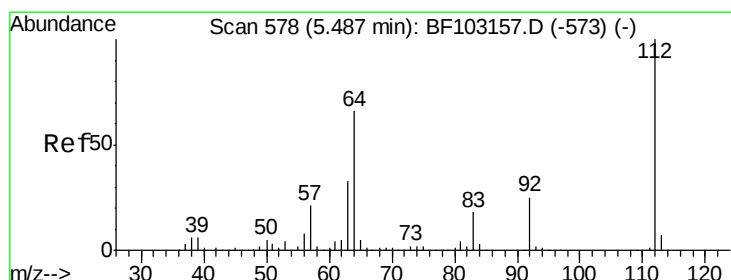
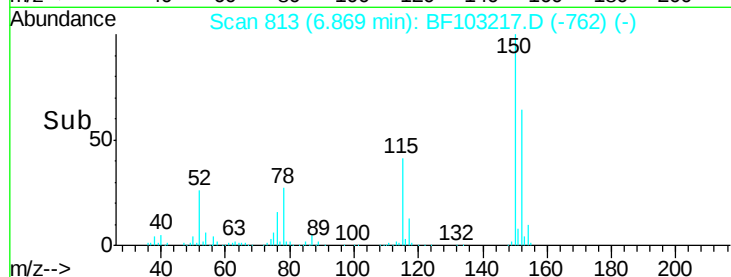
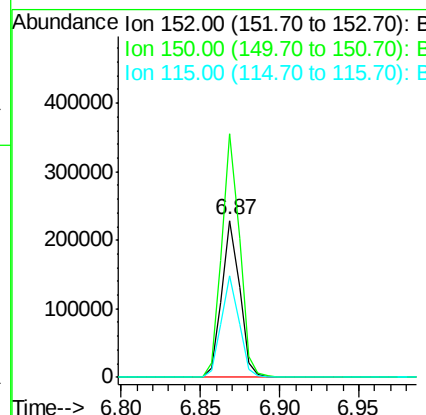
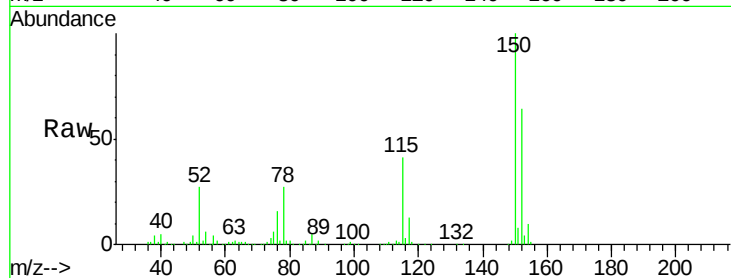
ClientSampled :

RT-3026

Tot Ion:	152	Resp:	180488
Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	64.4	50.1	75.1

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#5

2-Fluorophenol

Concen: 121.339 ng

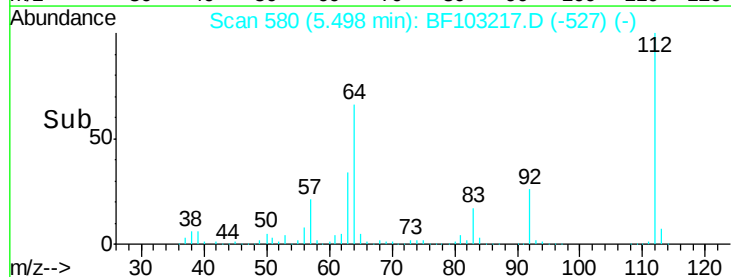
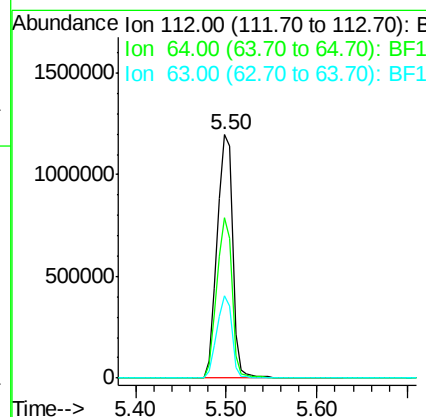
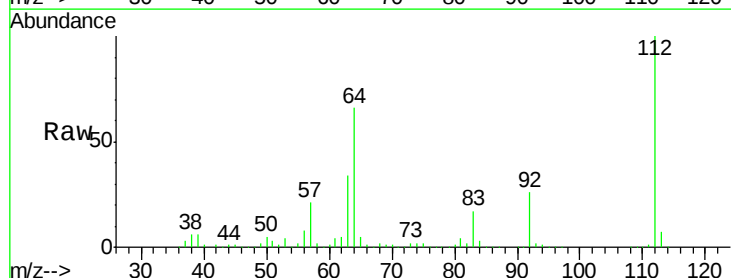
RT: 5.50 min Scan# 580

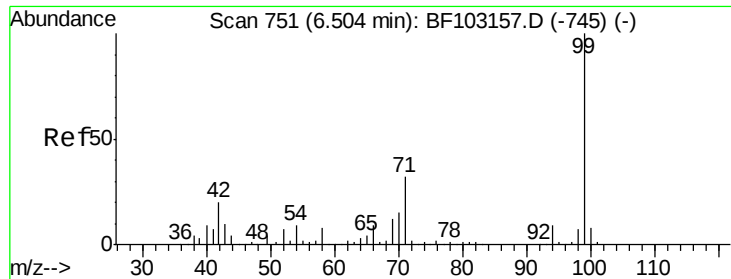
Delta R.T. 0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Tgt Ion:	112	Resp:	1448023
Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 115.675 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

ClientSampleId :

RT-3026

Tot Ion: 99 Resp: 1689151

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

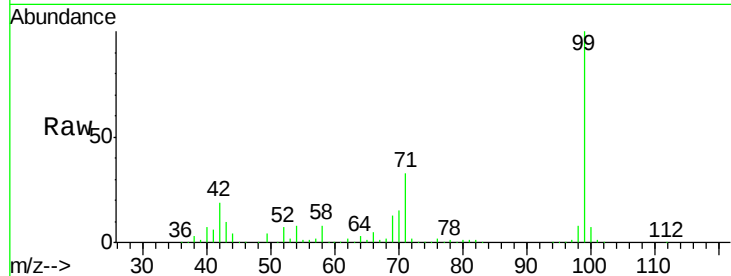
71 33.3 25.4 38.0

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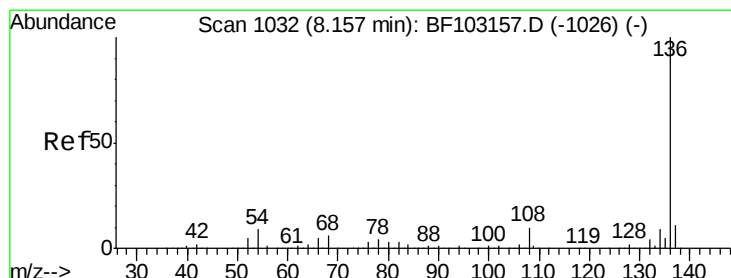
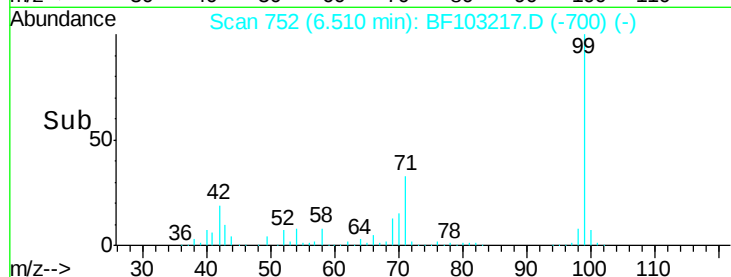
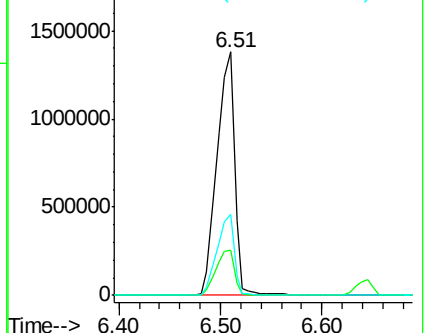
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Tgt Ion: 136 Resp: 736114

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.4 6.6 9.8

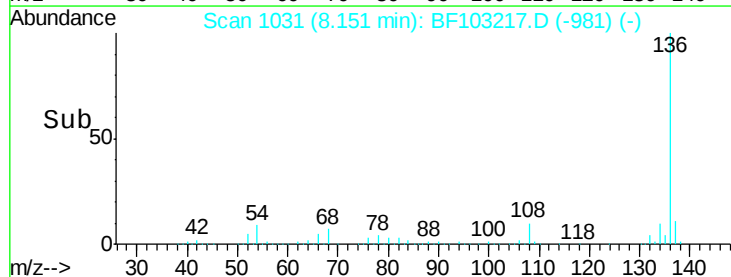
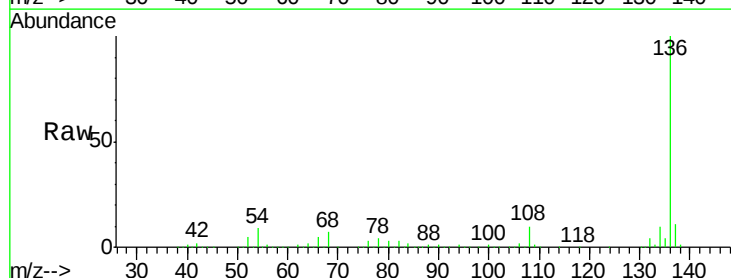
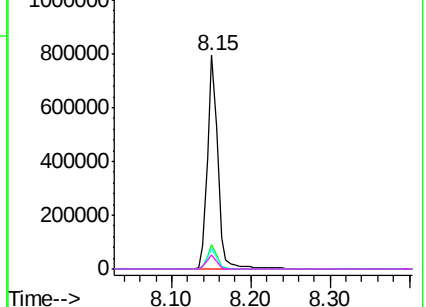
68 6.8 5.0 7.4

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





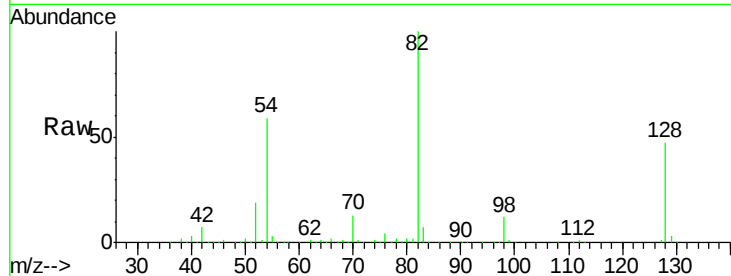
#23
Nitrobenzene-d5
Concen: 87.524 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :
RT-3026

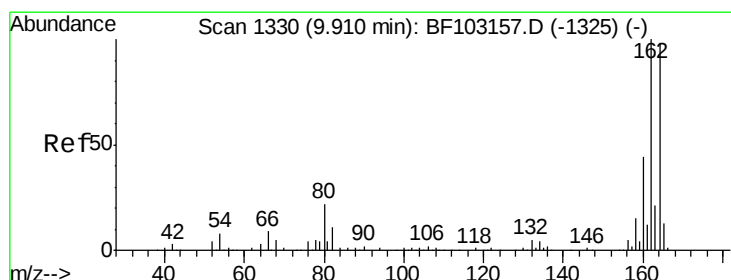
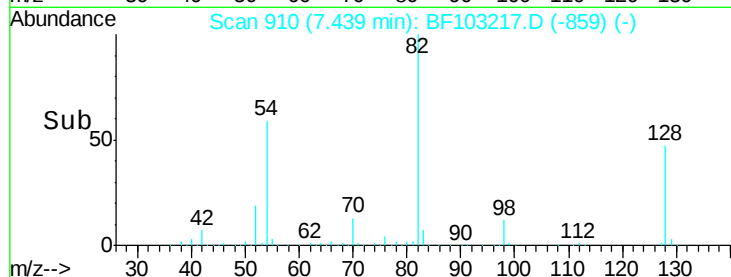
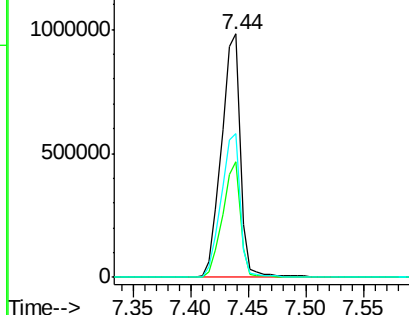
Tot Ion: 82 Resp: 1128166
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 59.0 41.4 62.2

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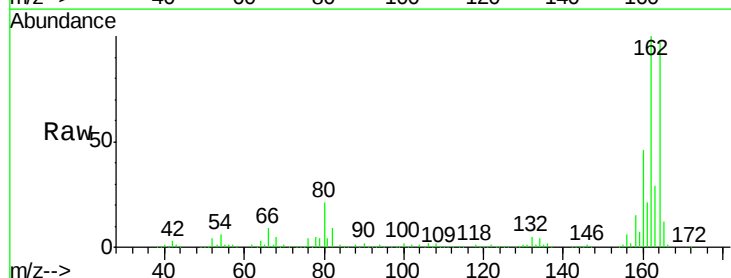


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

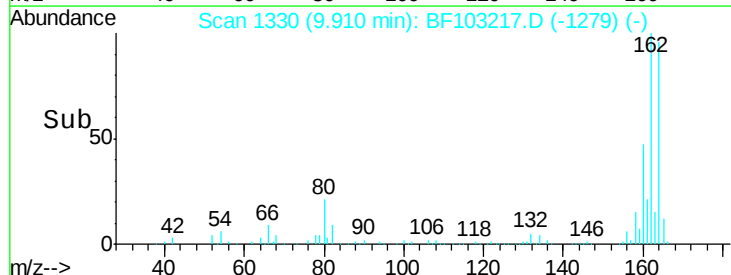
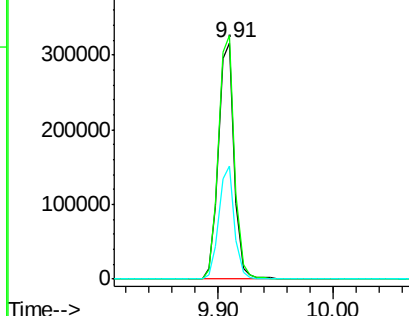


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:164 Resp: 302602
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 47.9 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: 108.914 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

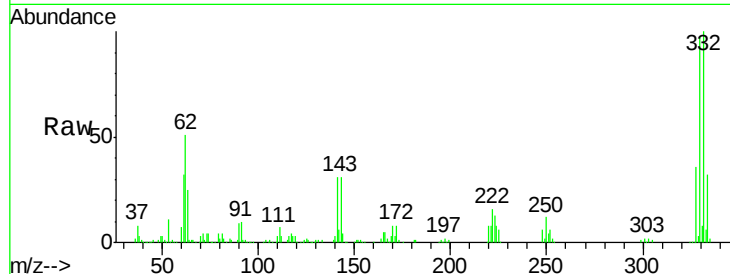
ClientSampleId :

RT-3026

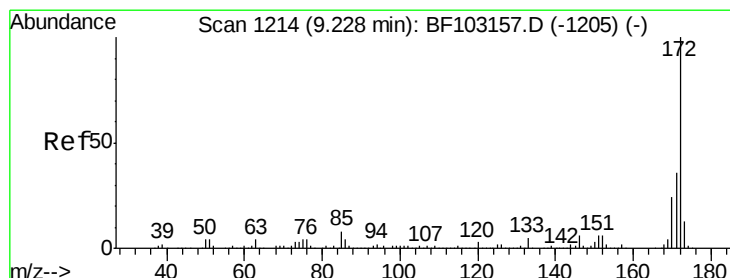
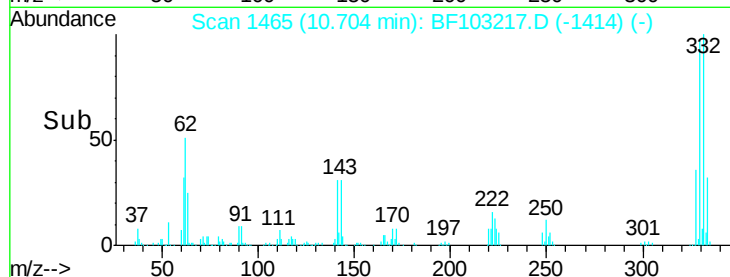
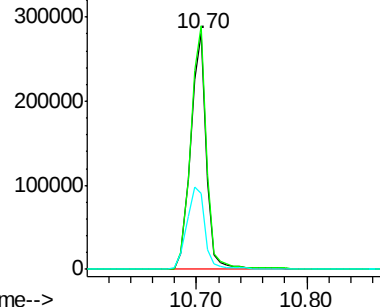
Tot Ion:	330	Resp:	278969
Ion Ratio	Lower	Upper	
330	100		
332	104.1	77.0	115.6
141	40.3	29.9	44.9

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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: 87.289 ng

RT: 9.23 min Scan# 1214

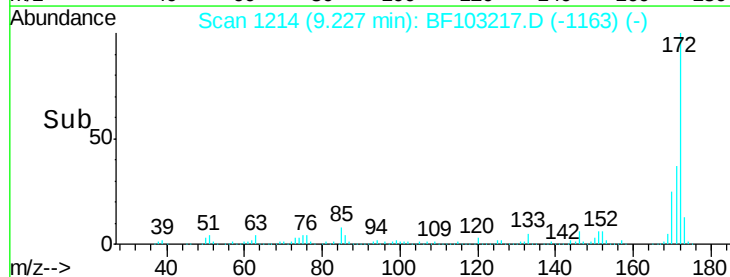
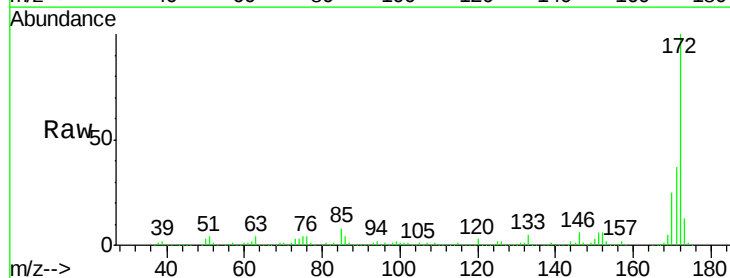
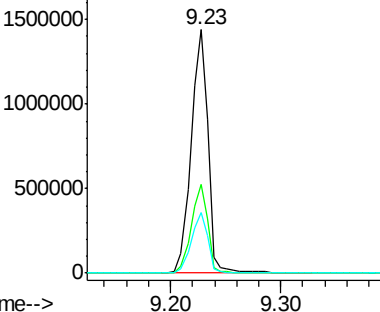
Delta R.T. 0.00 min

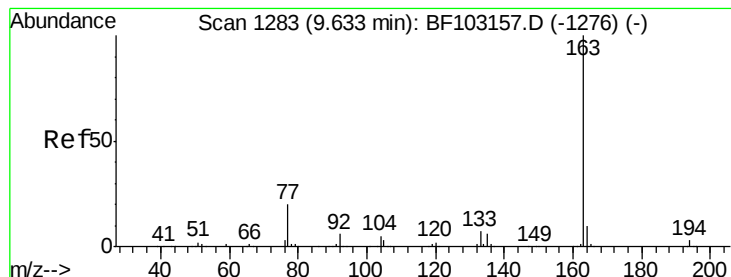
Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Tgt Ion:	172	Resp:	1523817
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.7	44.5
170	24.7	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: 5.148 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF103217.D

Acq: 26 Feb 2018 14:33

Instrument :

BNA_F

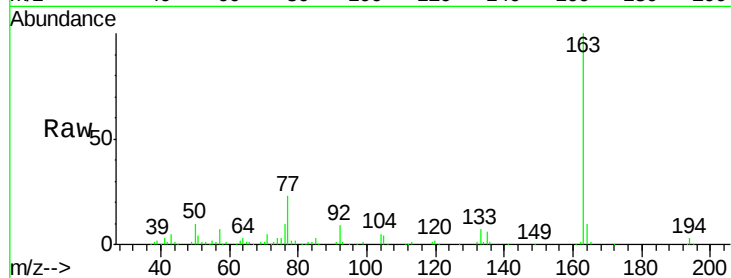
ClientSampleId :

RT-3026

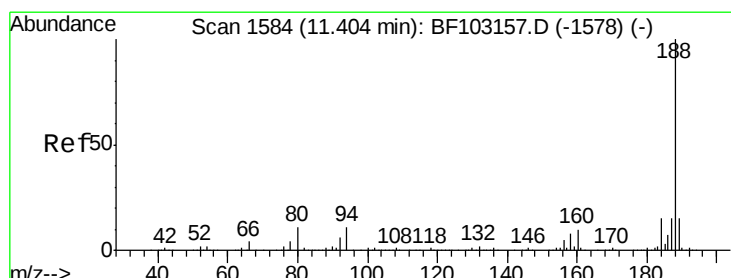
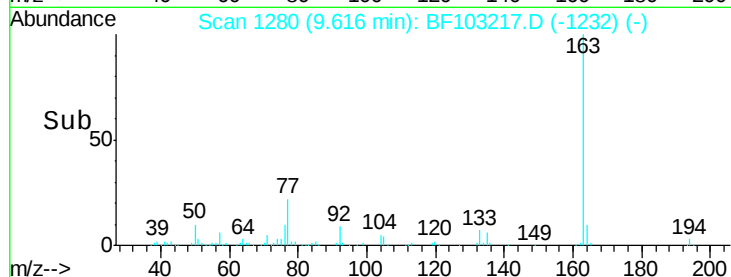
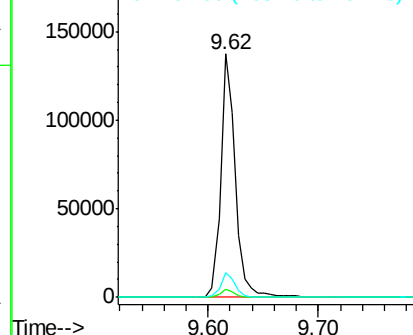
Tot Ion:	163	Resp:	124980
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.0	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

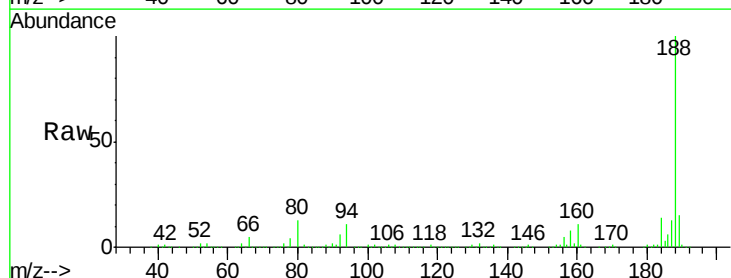
RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

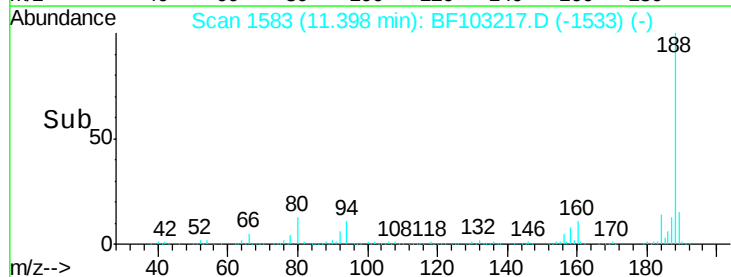
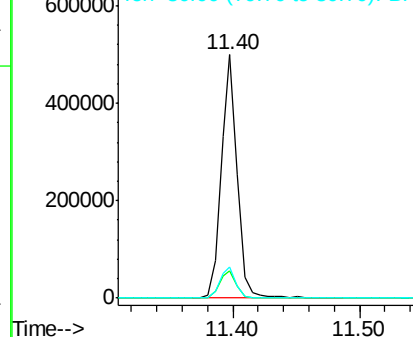
Lab File: BF103217.D

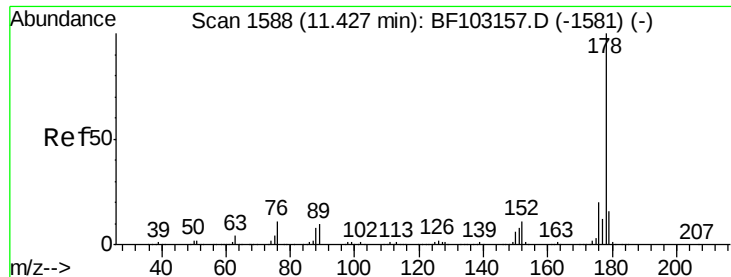
Acq: 26 Feb 2018 14:33

Tgt Ion:	188	Resp:	441271
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	12.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





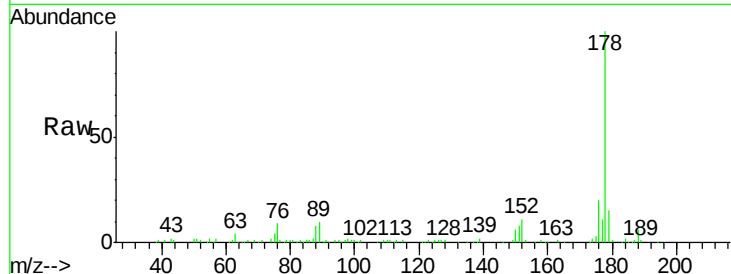
#70
Phenanthrene
Concen: 3.777 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :
RT-3026

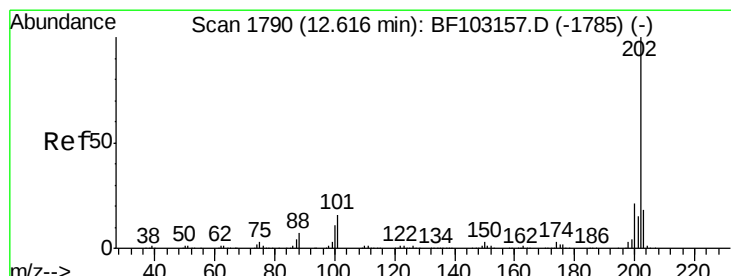
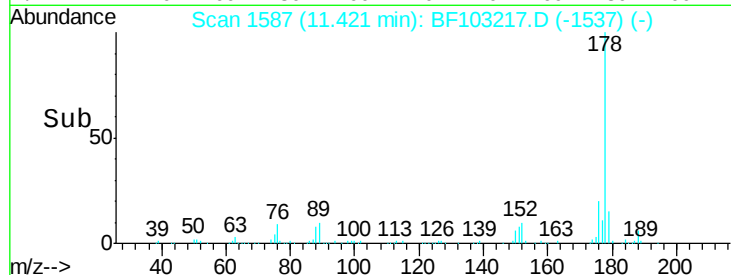
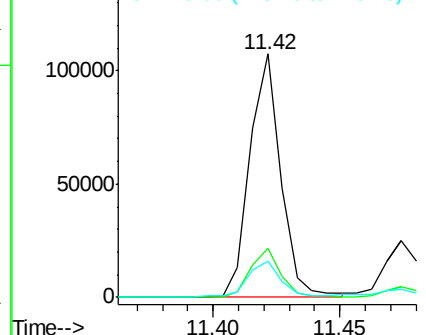
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	14.8	13.0	19.6

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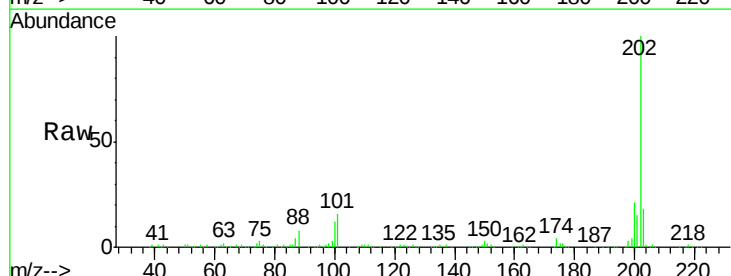


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

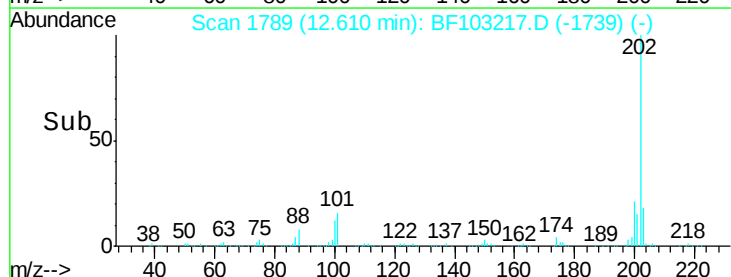
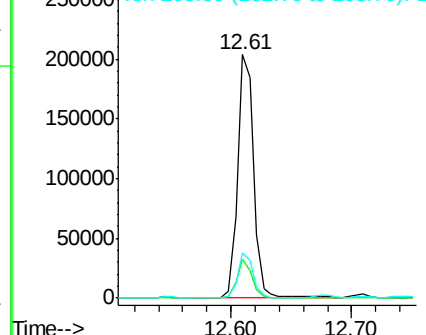


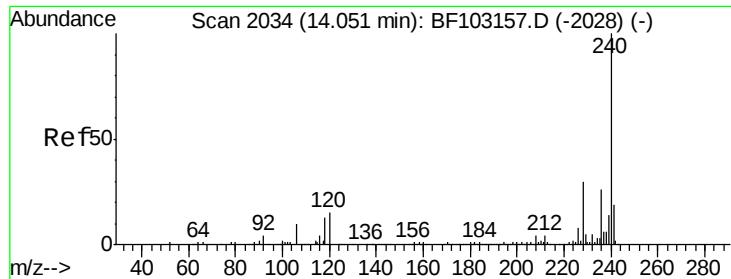
#74
Fluoranthene
Concen: 7.799 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	34.1
203	18.3	0.0	38.1



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





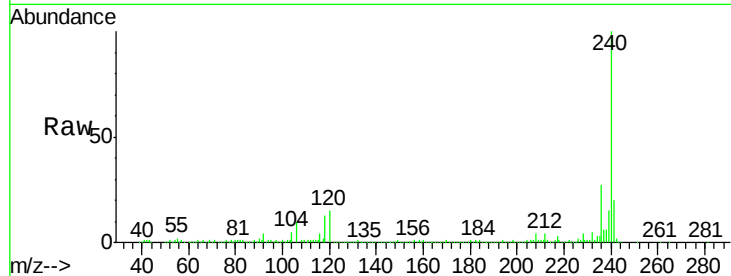
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampled :
RT-3026

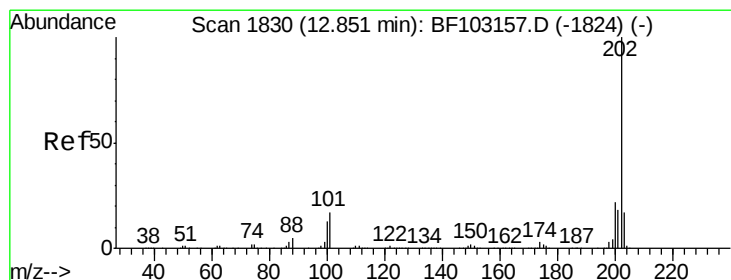
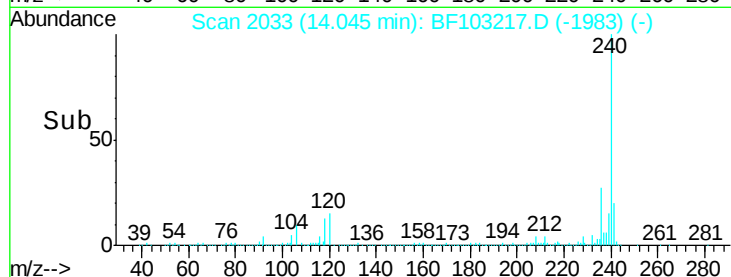
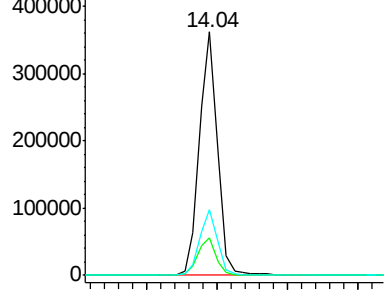
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.5	14.3
236	26.8	20.7	31.1

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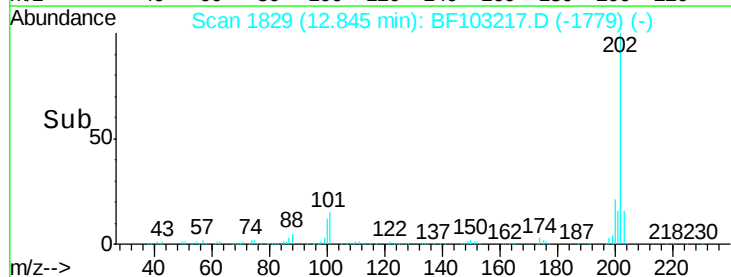
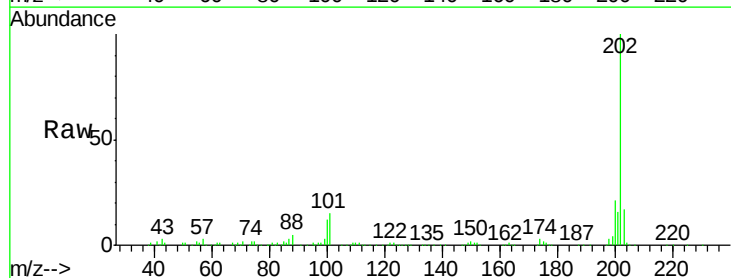
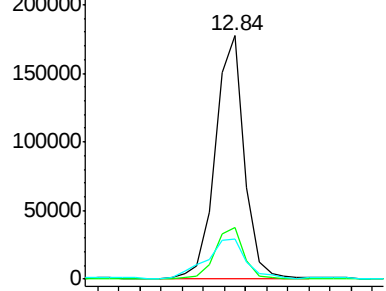
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

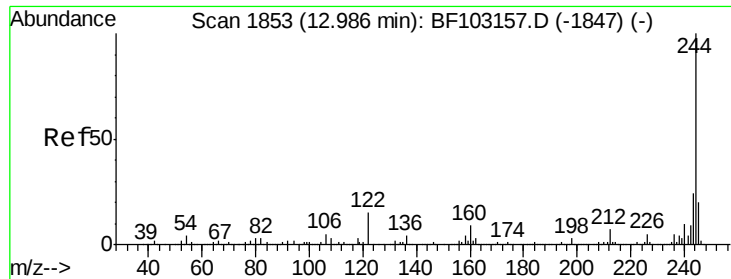


#77
Pyrene
Concen: 6.717 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	16.5	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





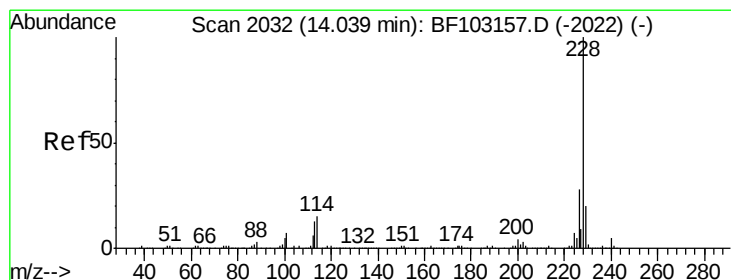
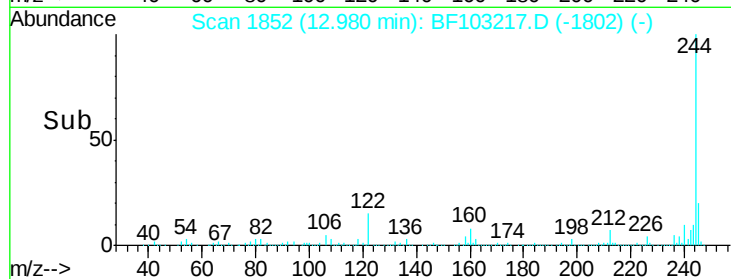
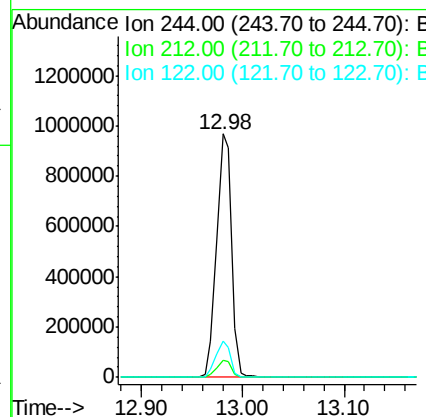
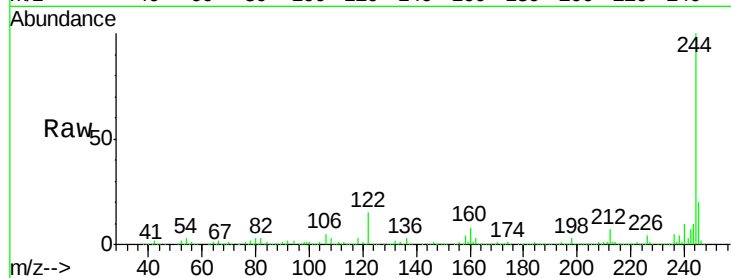
#78
 Terphenyl-d14
 Concen: 74.192 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103217.D
 Acq: 26 Feb 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :
 RT-3026

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.2	11.0	16.4

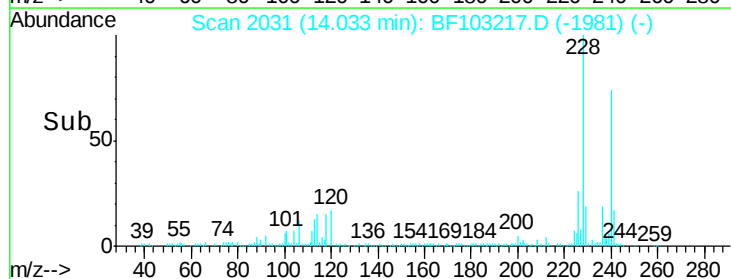
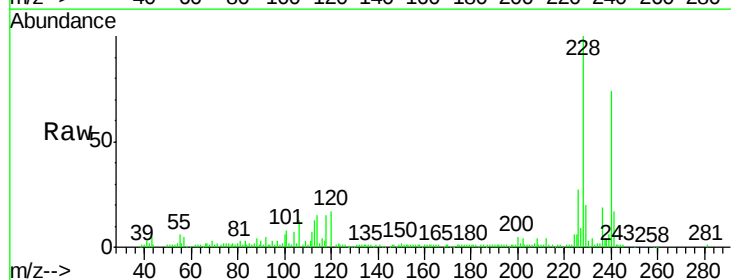
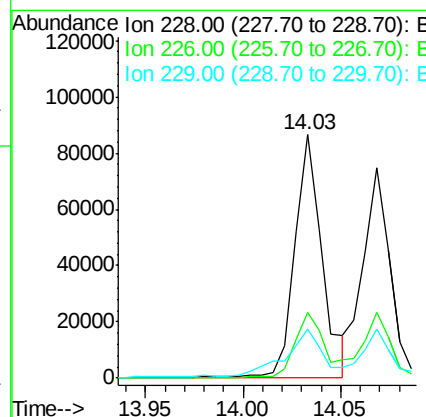
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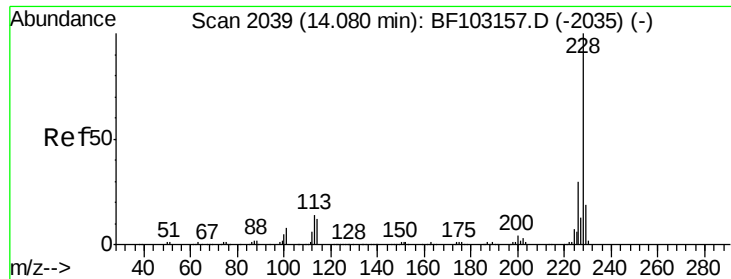
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#80
 Benzo(a)anthracene
 Concen: 4.048 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF103217.D
 Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	20.2	15.8	23.6





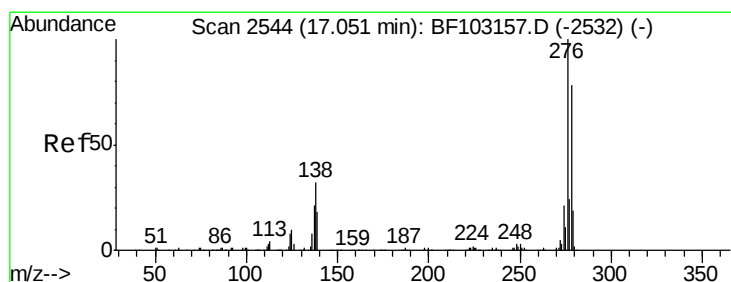
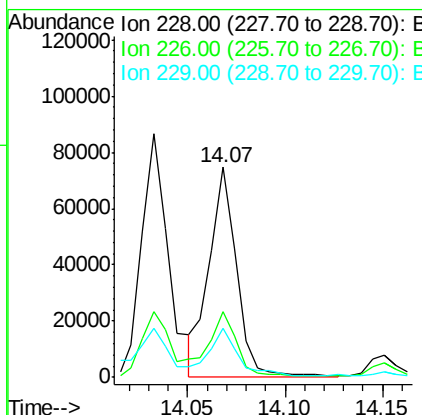
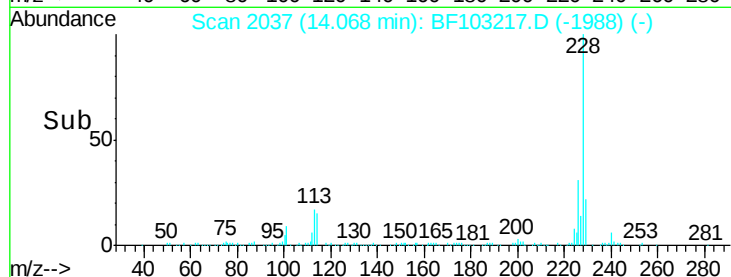
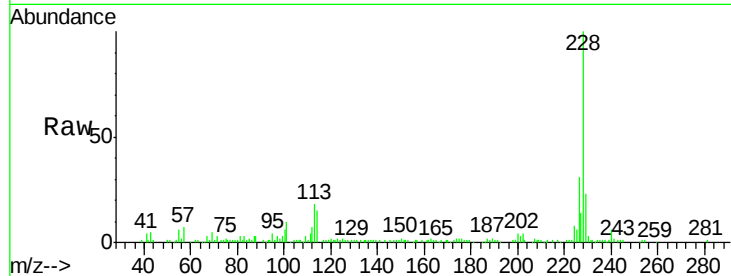
#82
Chrysene
Concen: 3.600 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :
RT-3026

Tot Ion:	228	Resp:	73276
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.1	16.2	24.4

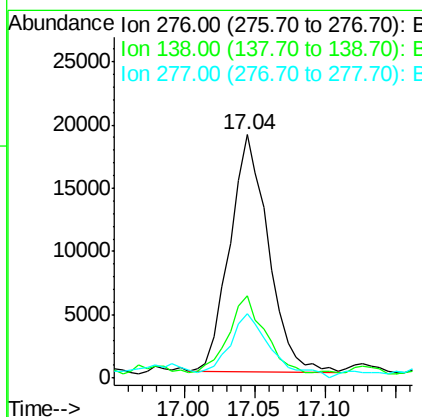
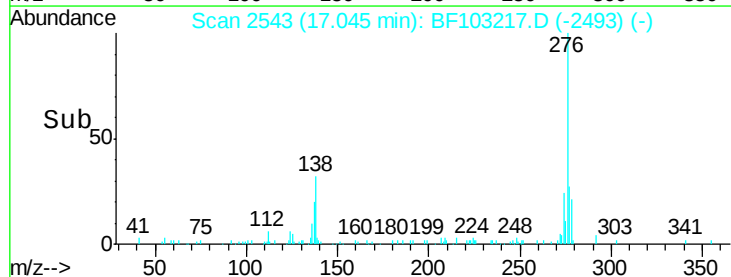
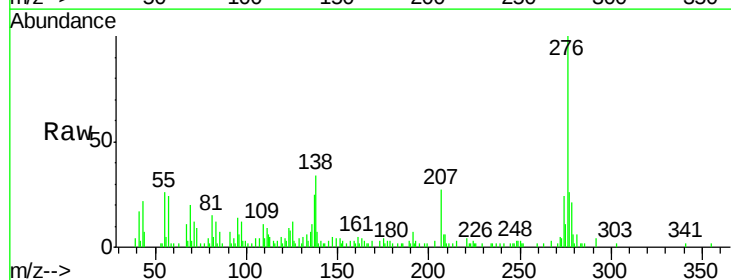
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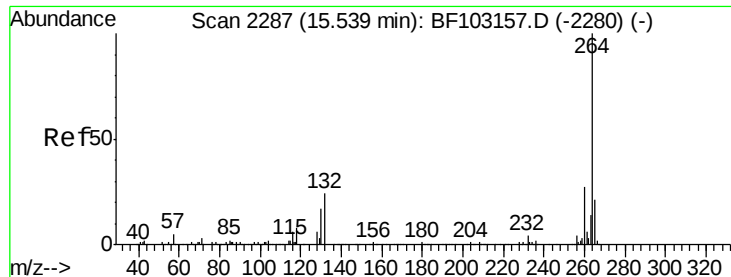
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.222 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion:	276	Resp:	35800
Ion Ratio	Lower	Upper	
276	100		
138	31.1	25.0	37.6
277	29.5	20.1	30.1





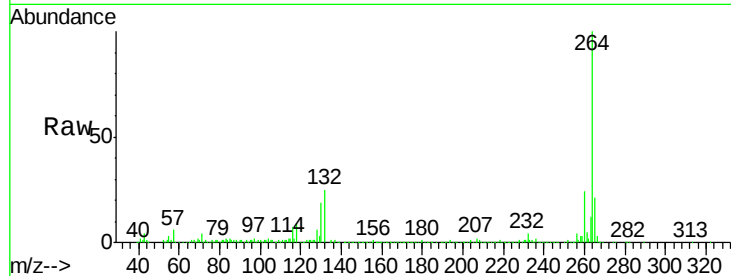
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampleId :
RT-3026

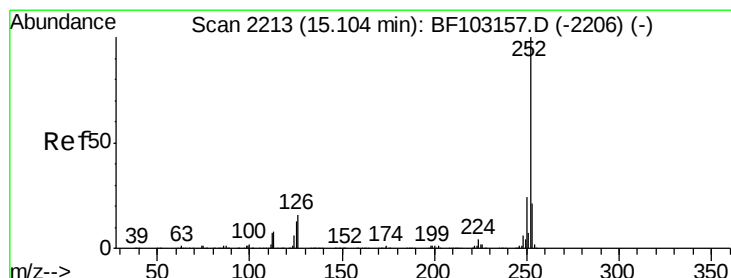
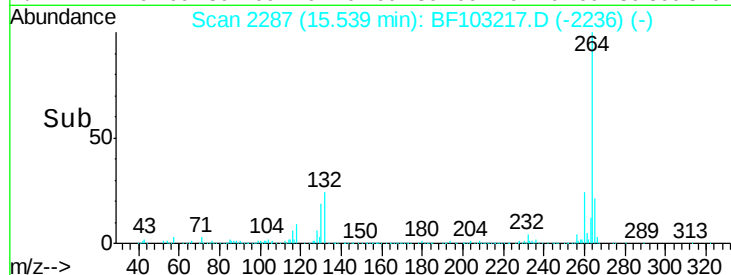
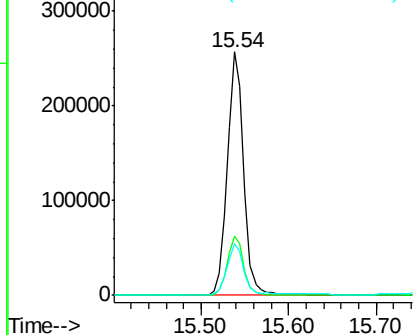
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.2	17.5	26.3

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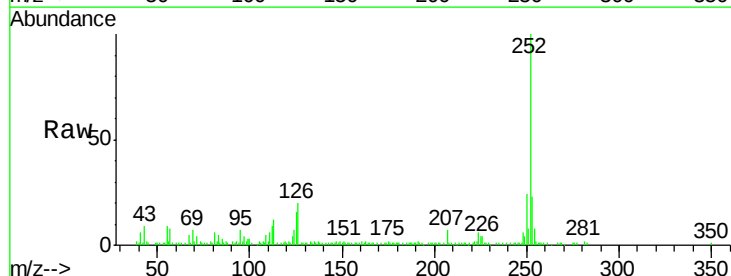


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

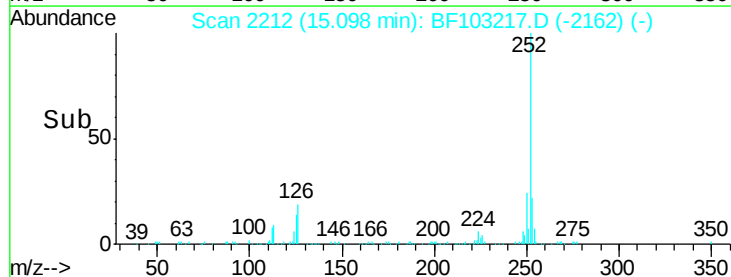
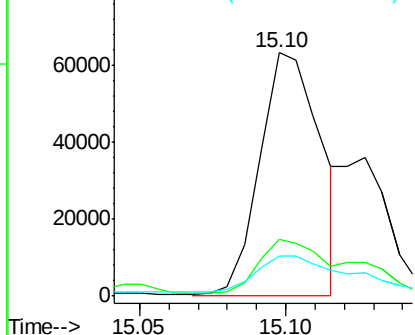


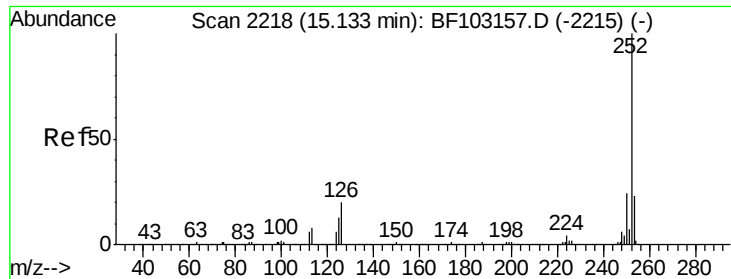
#87
Benzo(b)fluoranthene
Concen: 4.187 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	16.4	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





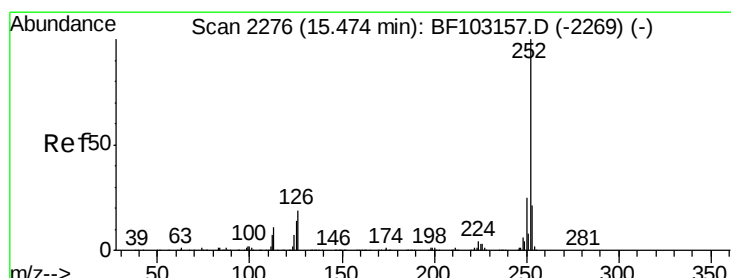
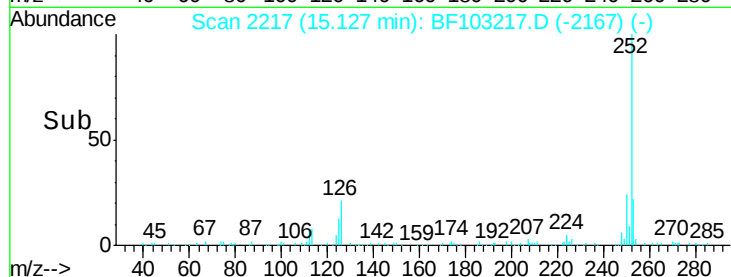
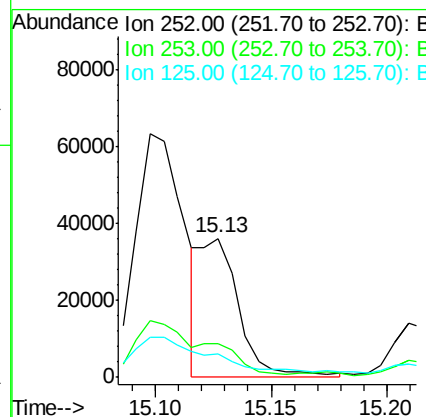
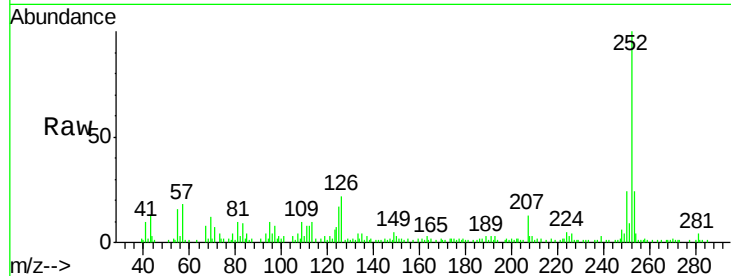
#88
Benzo(k)fluoranthene
Concen: 2.062 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Instrument :
BNA_F
ClientSampled :
RT-3026

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.9	10.2	15.2

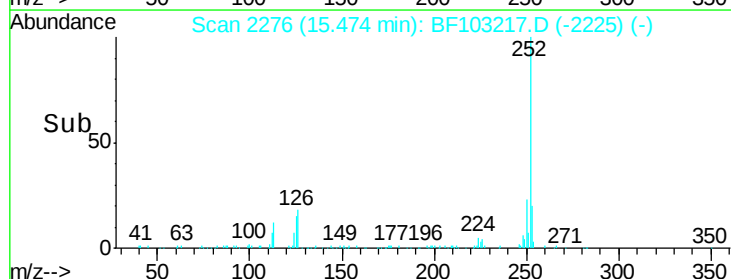
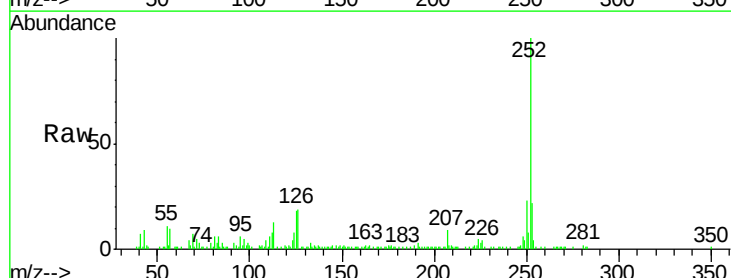
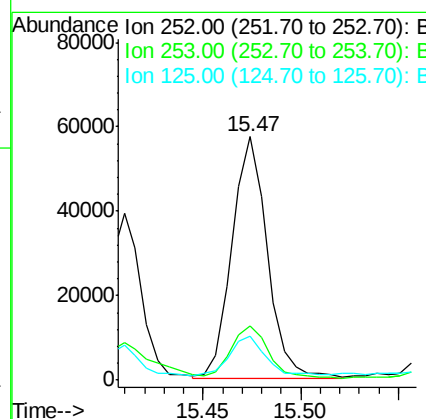
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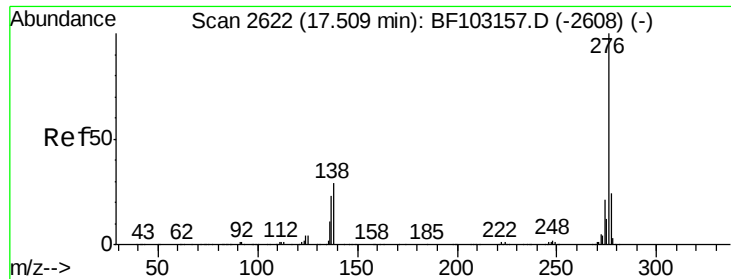
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#89
Benzo(a)pyrene
Concen: 3.700 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103217.D
Acq: 26 Feb 2018 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	17.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.373 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BF103217.D
 Acq: 26 Feb 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :
 RT-3026

Tot Ion:	276	Resp:	35047
Ion Ratio	Lower	Upper	
276	100		
277	24.6	17.9	26.9
138	29.4	21.8	32.8

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