

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103467.D
 Acq On : 6 Mar 2018 20:36
 Operator : SJ/JU
 Sample : J1722-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:17:21 PM

Quant Time: Mar 07 01:07:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	147052	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	570294	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	245230	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	363567	20.00	ng	0.00
75) Chrysene-d12	14.06	240	236857	20.00	ng	0.00
86) Perylene-d12	15.57	264	183950	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	936980	96.37	ng	0.00
7) Phenol-d6	6.51	99	1163133	97.76	ng	0.00
23) Nitrobenzene-d5	7.44	82	736382	73.74	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	117914	56.81	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	947754	62.41	ng	0.00
78) Terphenyl-d14	12.99	244	587965	59.67	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	58301	2.964	ng	99
70) Phenanthrene	11.43	178	148509	7.422	ng	99
71) Anthracene	11.49	178	45394	2.212	ng	97
74) Fluoranthene	12.63	202	263648	13.113	ng	99
77) Pyrene	12.86	202	260254	14.093	ng	99
80) Benzo(a)anthracene	14.05	228	114630	7.459	ng	98
82) Chrysene	14.09	228	104783	7.022	ng	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	54824	4.164	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	35542	3.009	ng	98
87) Benzo(b)fluoranthene	15.13	252	104271m	8.621	ng	
88) Benzo(k)fluoranthene	15.16	252	31634m	2.778	ng	
89) Benzo(a)pyrene	15.51	252	67227	6.224	ng	# 87
91) Benzo(a,h,i)perylene	17.60	276	35208	4.317	ng	# 91

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

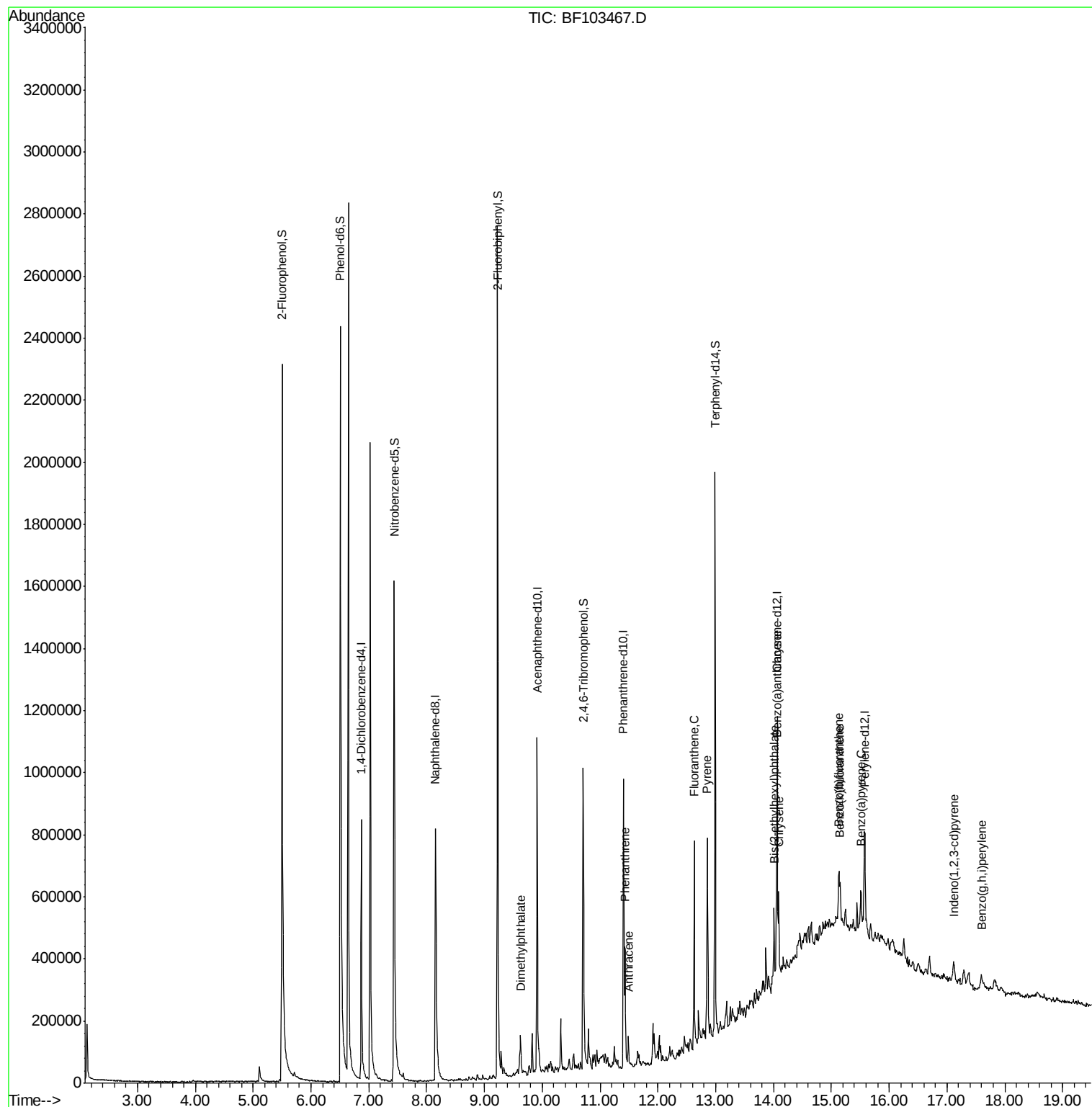
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103467.D
Acq On : 6 Mar 2018 20:36
Operator : SJ/JU
Sample : J1722-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

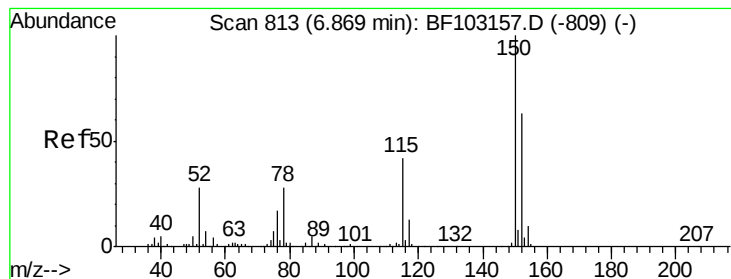
Instrument :
BNA_F
ClientSampleId :
SP-5

Manual Integrations
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Quant Time: Mar 07 01:07:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

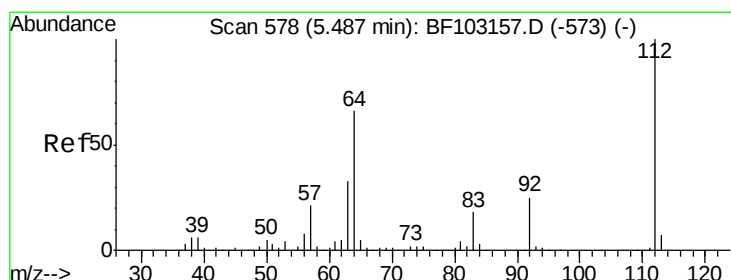
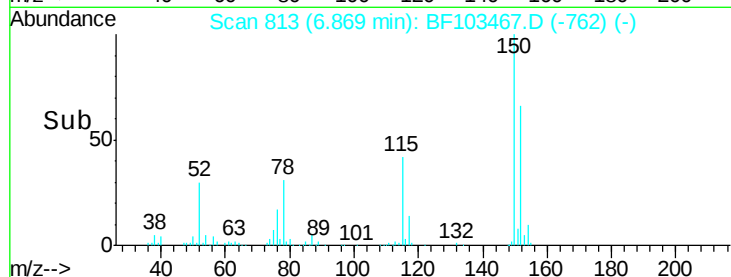
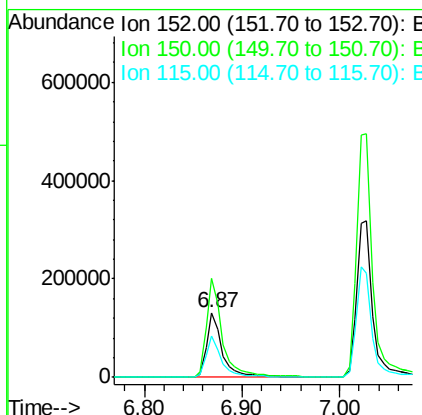
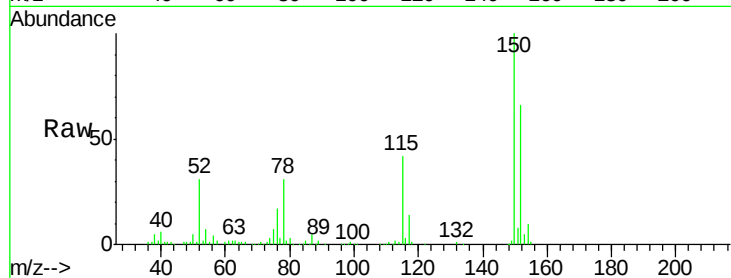
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	64.4	50.1	75.1

Manual Integrations
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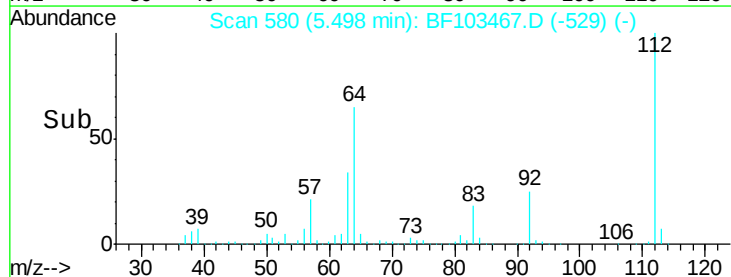
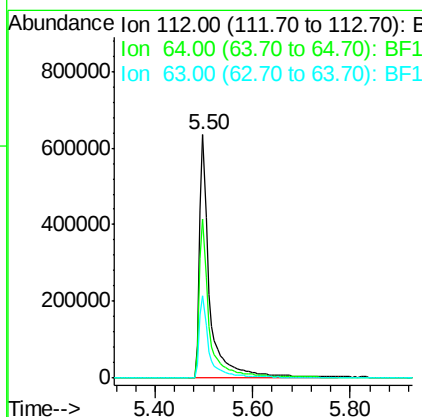
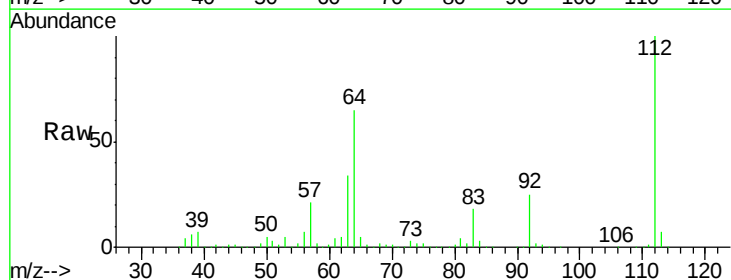
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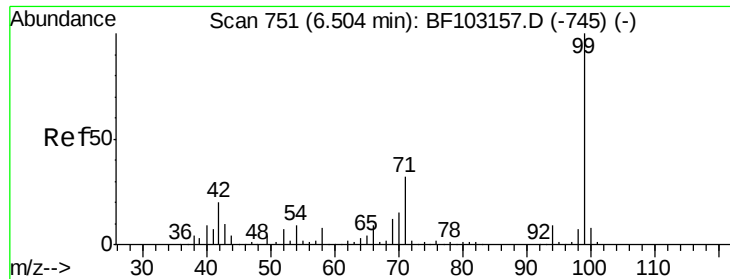


#5

2-Fluorophenol
Concen: 96.368 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.0	23.7	35.5





#7

Phenol-d6

Concen: 97.763 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103467.D

Acq: 6 Mar 2018 20:36

Instrument :

BNA_F

ClientSampled :

SP-5

Tot Ion: 99 Resp: 1163133

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

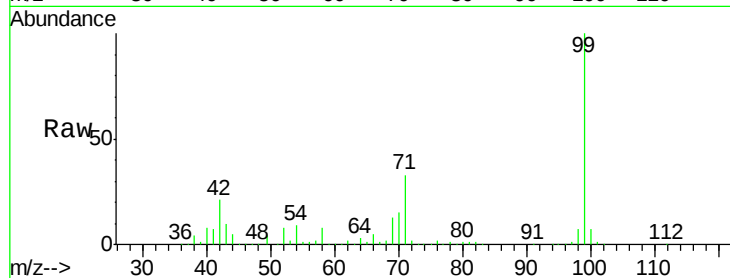
71 33.2 25.4 38.0

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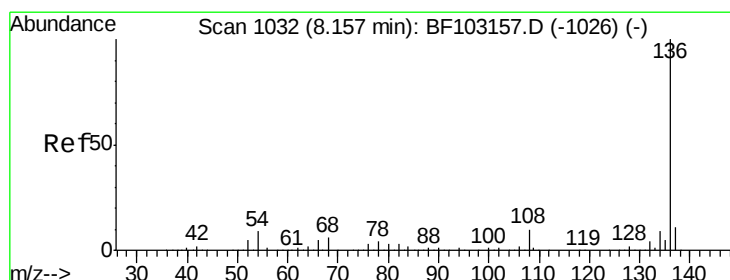
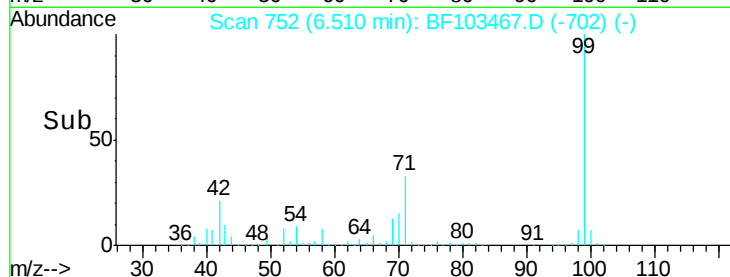
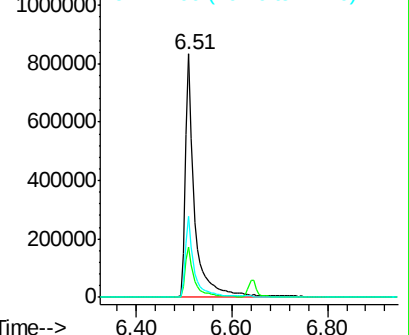
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF103467.D

Acq: 6 Mar 2018 20:36

Tgt Ion:136 Resp: 570294

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.9 6.6 9.8

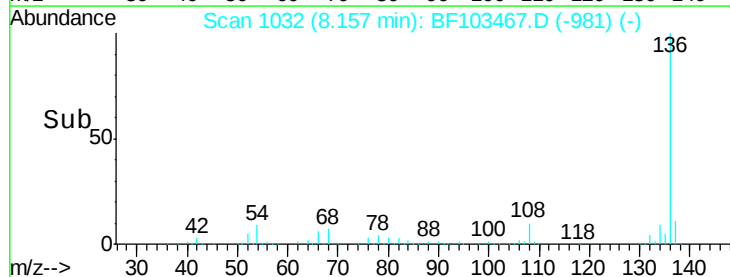
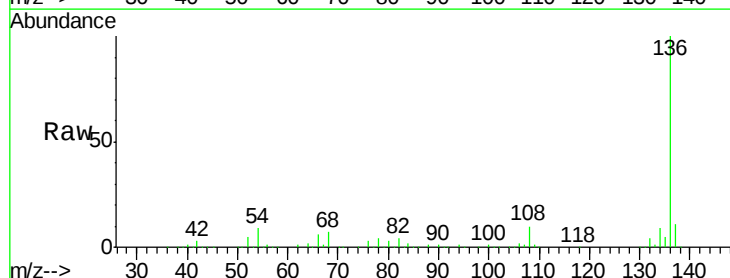
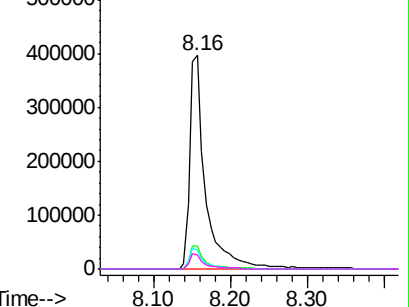
68 6.5 5.0 7.4

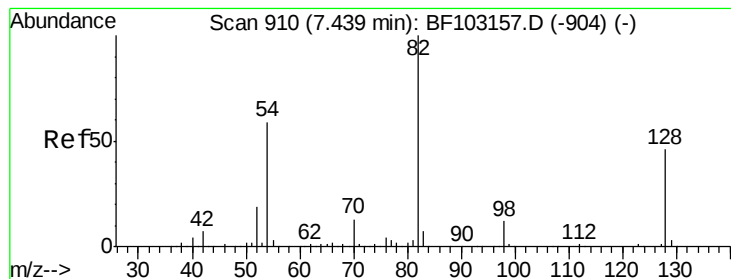
Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.740 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103467.D

Acq: 6 Mar 2018 20:36

Instrument :

BNA_F

ClientSampled :

SP-5

Tot Ion: 82 Resp: 736382

Ion Ratio Lower Upper

82 100

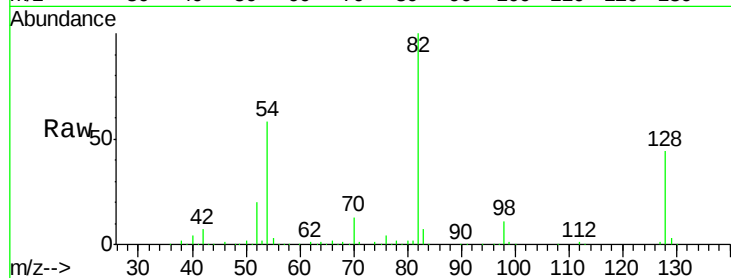
128 43.7 36.1 54.1

54 58.2 41.4 62.2

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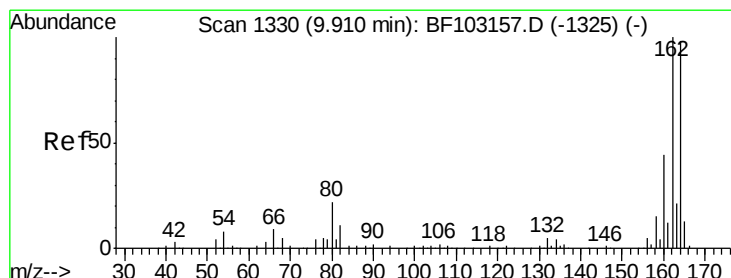
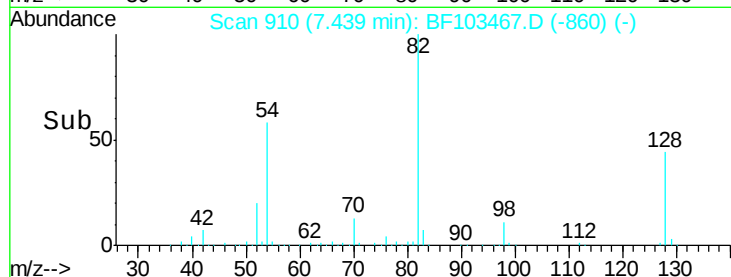
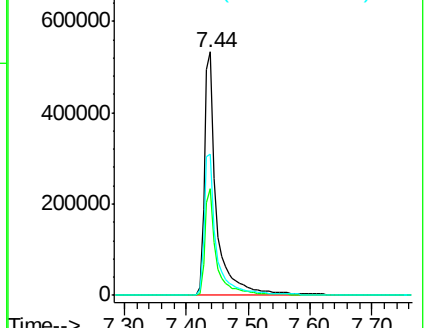
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Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103467.D

Acq: 6 Mar 2018 20:36

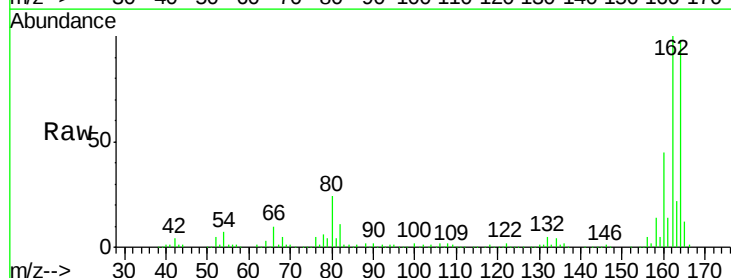
Tgt Ion: 164 Resp: 245230

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

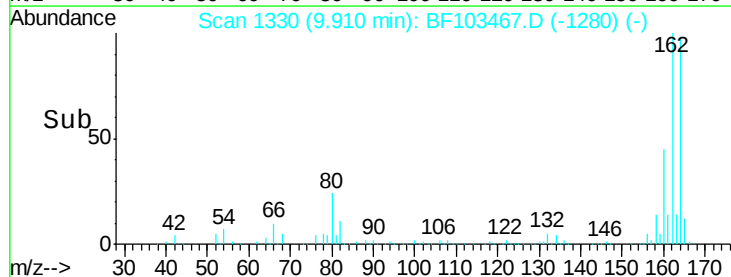
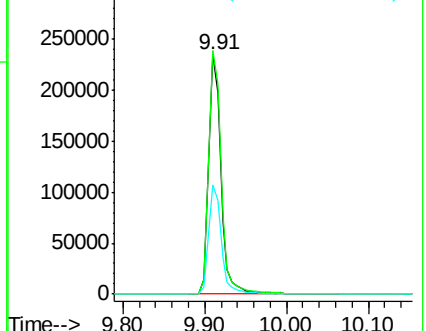
160 45.6 38.3 57.5

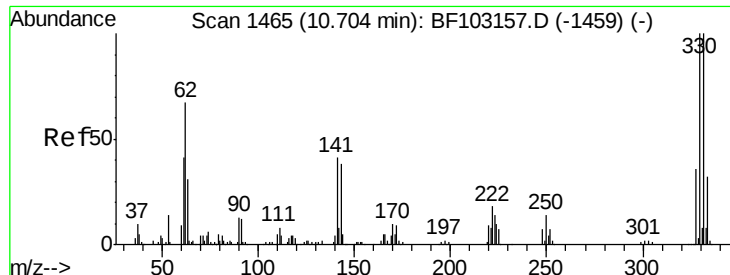


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





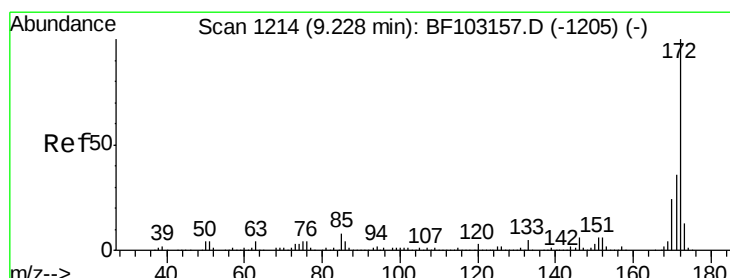
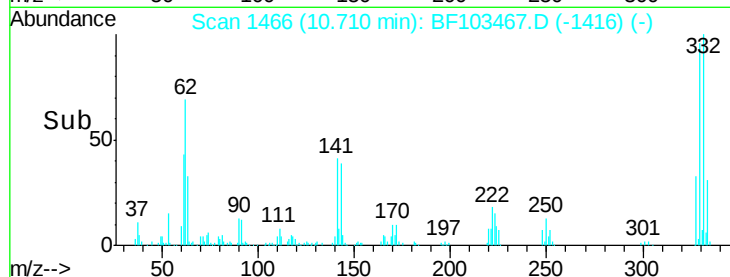
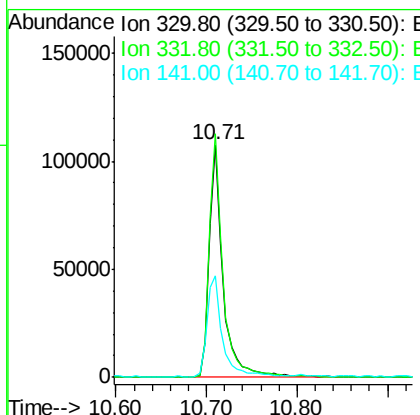
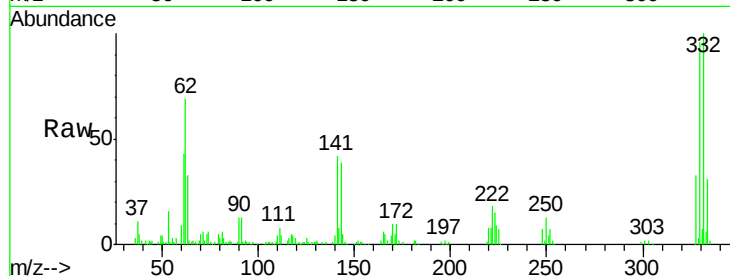
#41
 2,4,6-Tribromophenol
 Concen: 56.806 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103467.D
 Acq: 6 Mar 2018 20:36

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	77.0	115.6
141	46.6	29.9	44.9

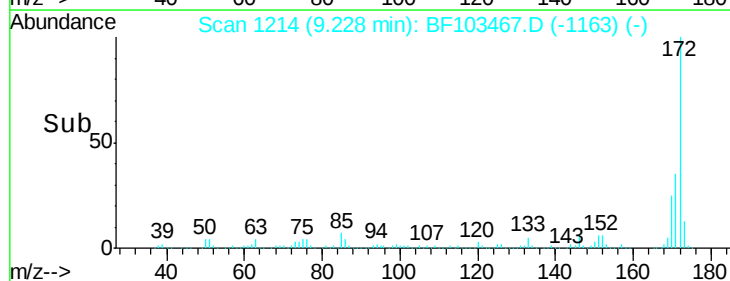
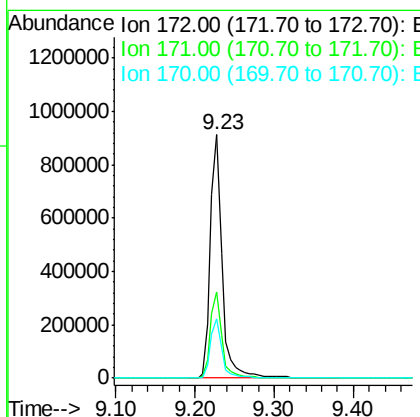
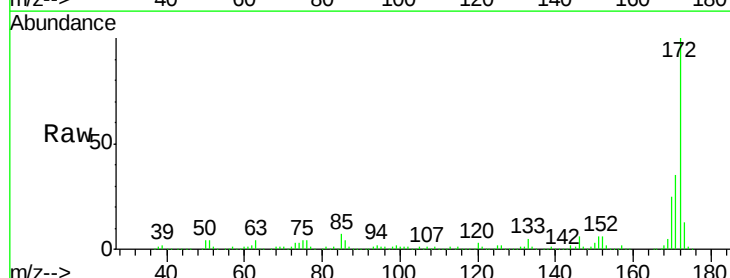
Manual Integrations
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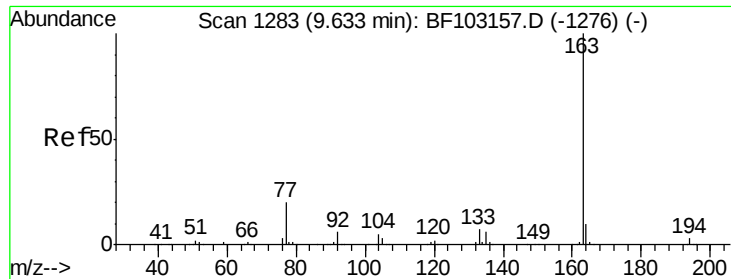
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 62.409 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103467.D
 Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.6	19.6	29.4





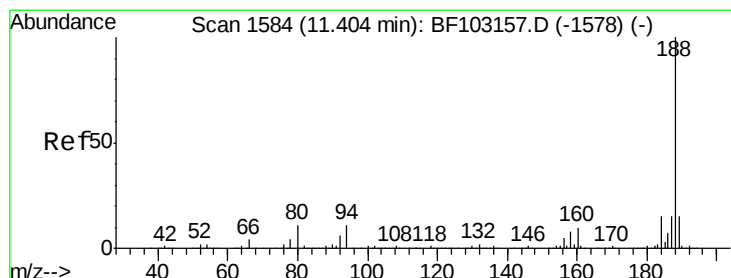
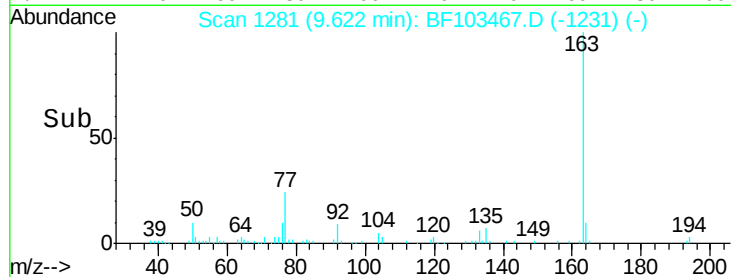
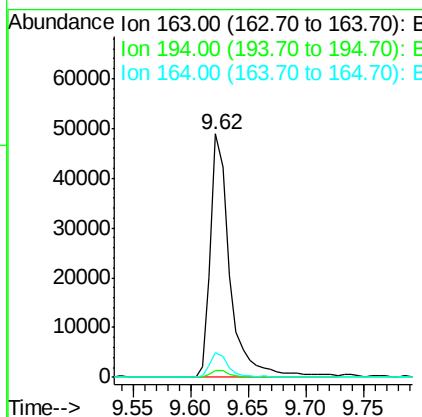
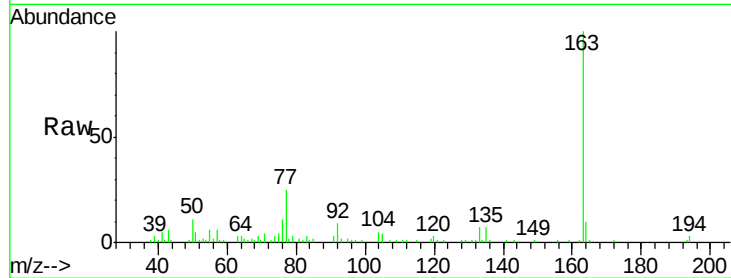
#49
Dimethylphthalate
Concen: 2.964 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.7	4.1
164	9.9	8.2	12.2

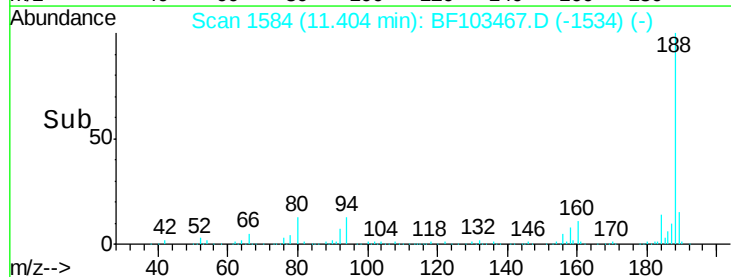
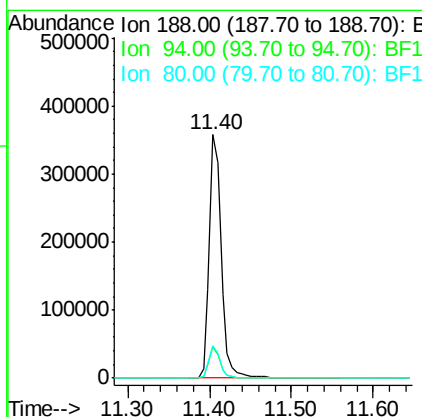
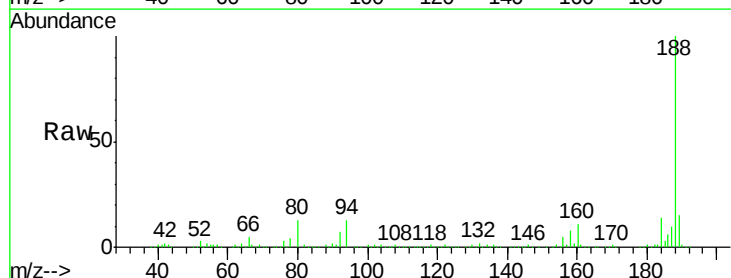
Manual Integrations
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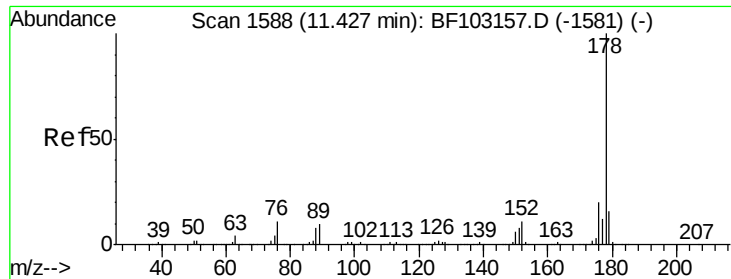
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7
80	13.1	9.2	13.8





#70

Phenanthrene

Concen: 7.422 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103467.D

Acq: 6 Mar 2018 20:36

Instrument :

BNA_F

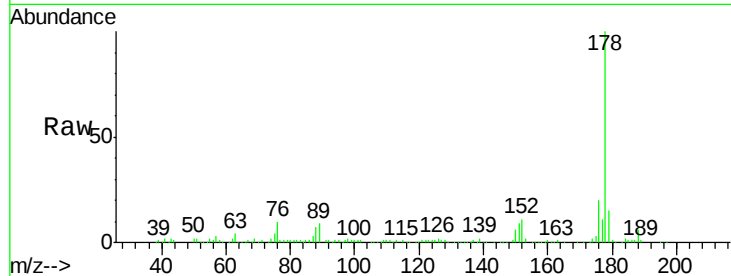
ClientSampled :

SP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.4	13.0	19.6

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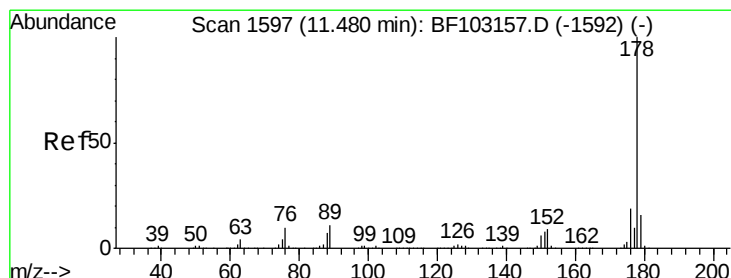
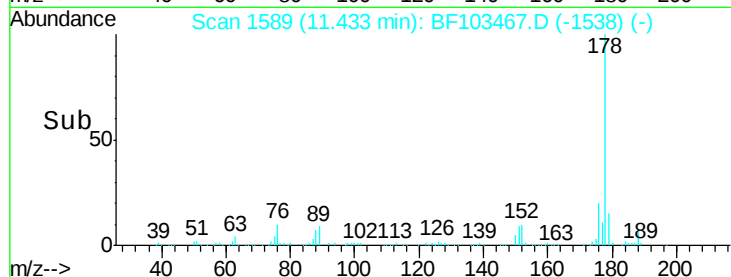
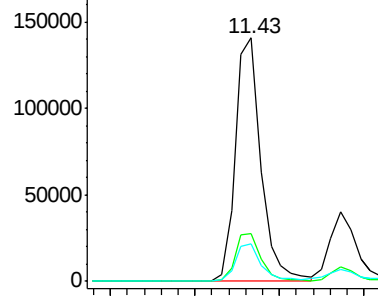
Sohil
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.212 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF103467.D

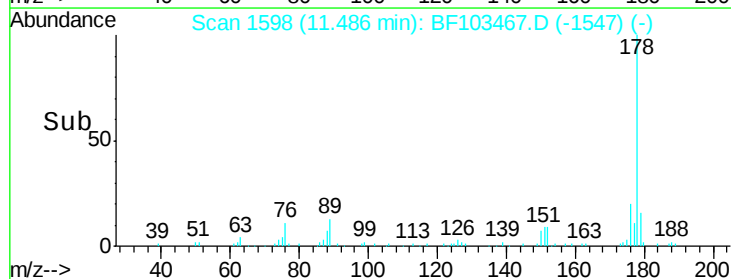
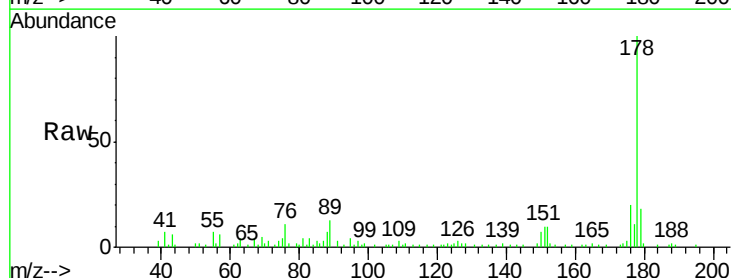
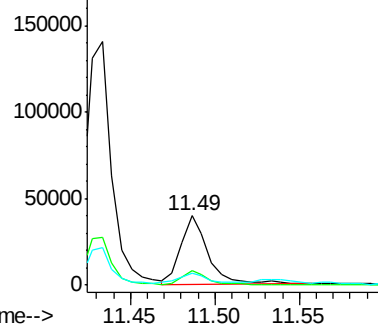
Acq: 6 Mar 2018 20:36

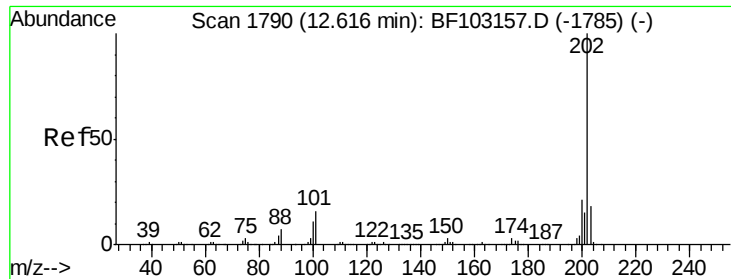
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	17.5	12.6	19.0

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: 13.113 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103467.D

Acq: 6 Mar 2018 20:36

Instrument :

BNA_F

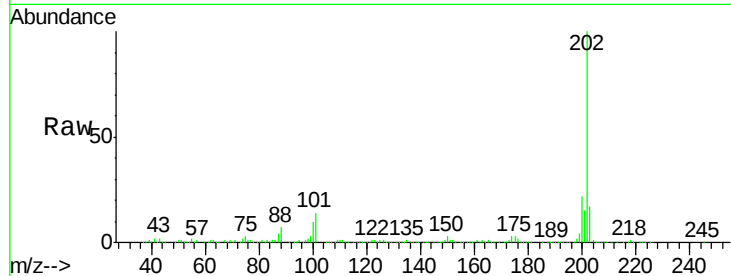
ClientSampled :

SP-5

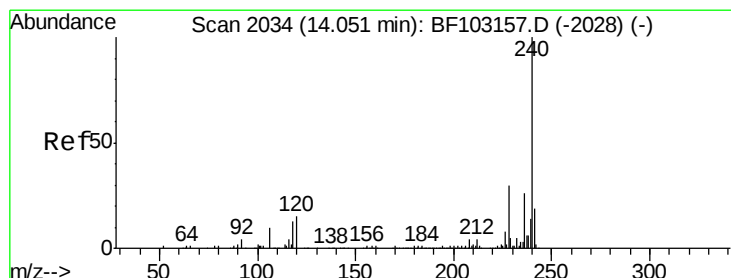
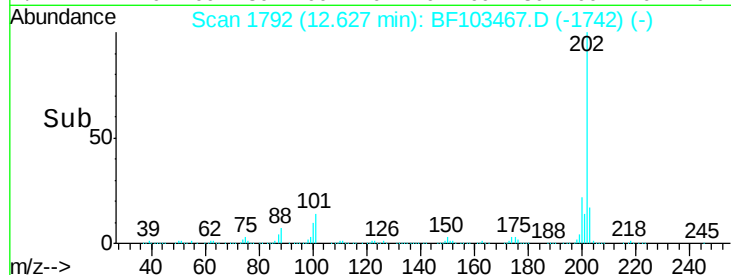
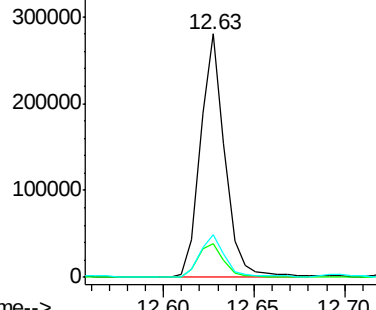
Tot Ion:	202	Resp:	263648
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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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

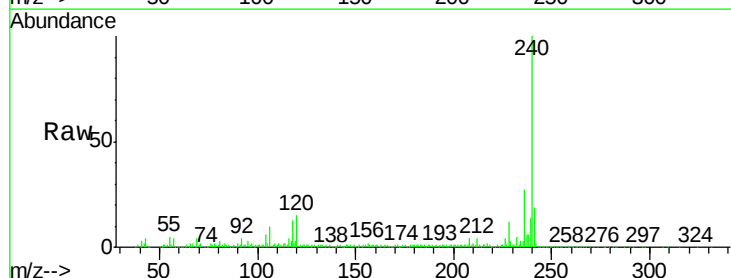
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

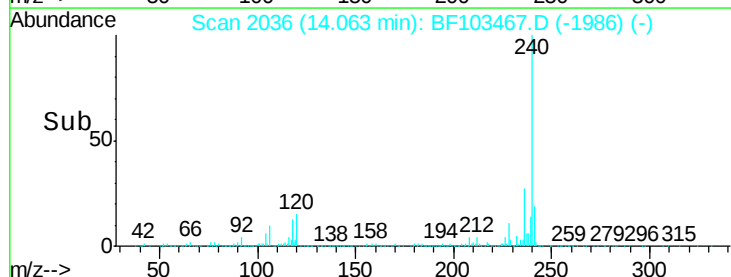
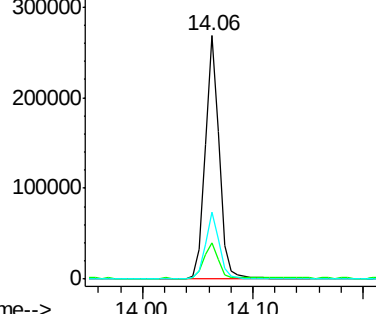
Lab File: BF103467.D

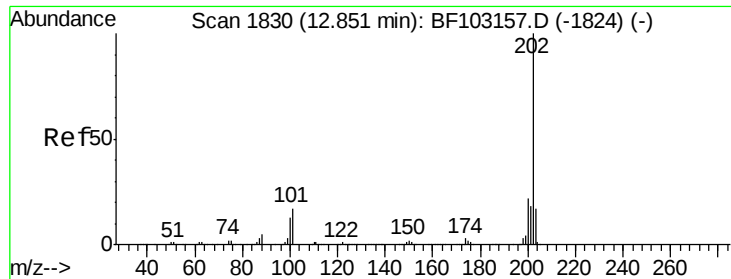
Acq: 6 Mar 2018 20:36

Tgt Ion:	240	Resp:	236857
Ion Ratio	Lower	Upper	
240	100		
120	15.1	9.5	14.3#
236	27.4	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





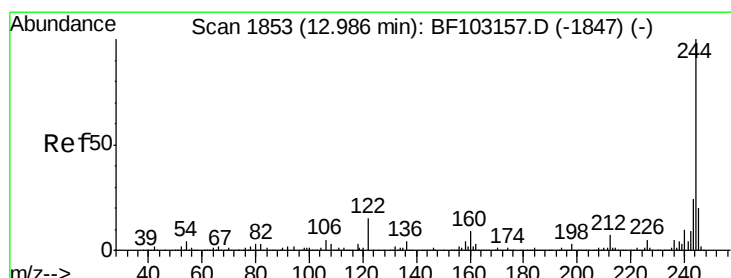
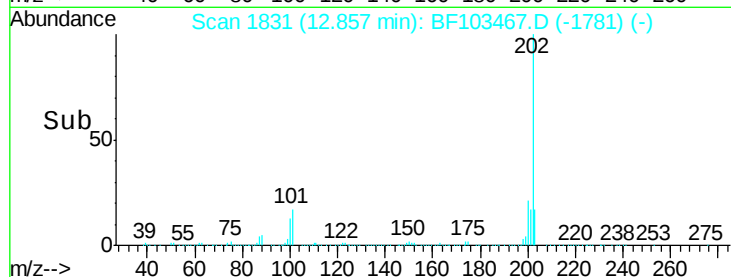
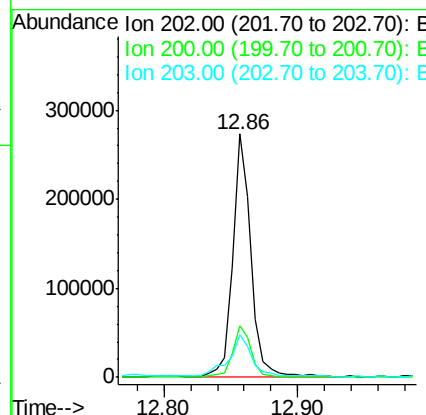
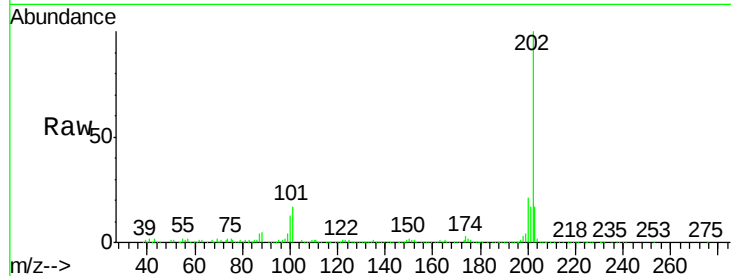
#77
Pvrene
Concen: 14.093 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

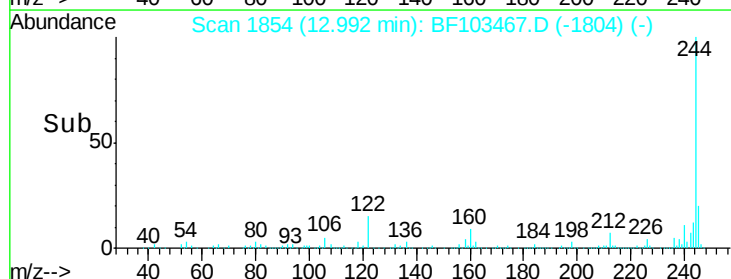
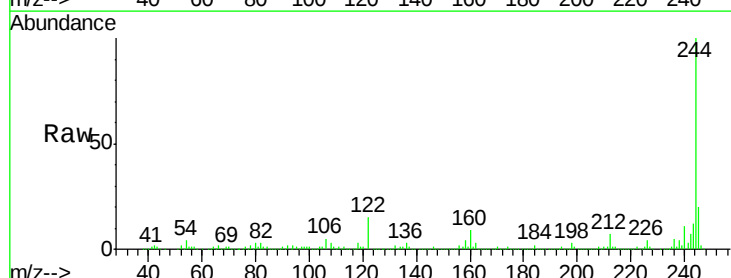
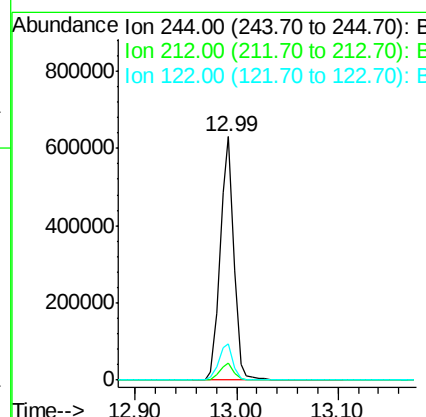
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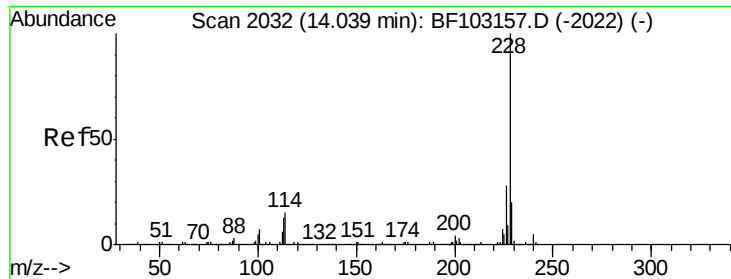
Sohil
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#78
Terphenyl-d14
Concen: 59.673 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.8	11.0	16.4





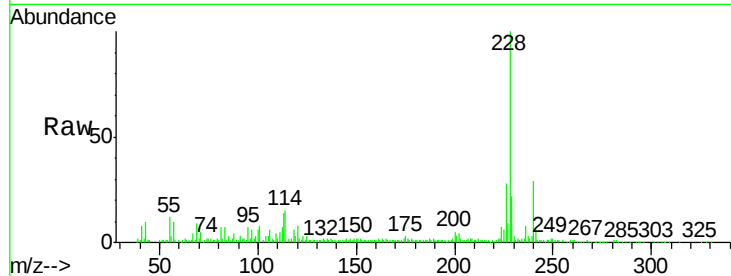
#80
Benzo(a)anthracene
Concen: 7.459 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

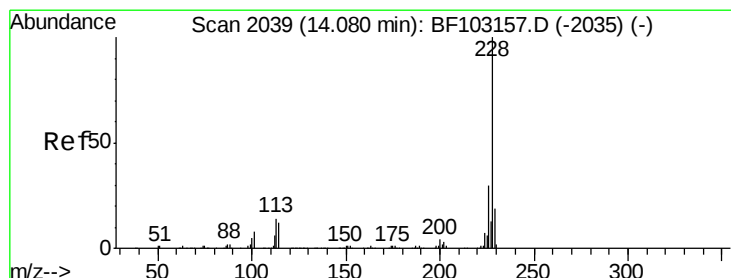
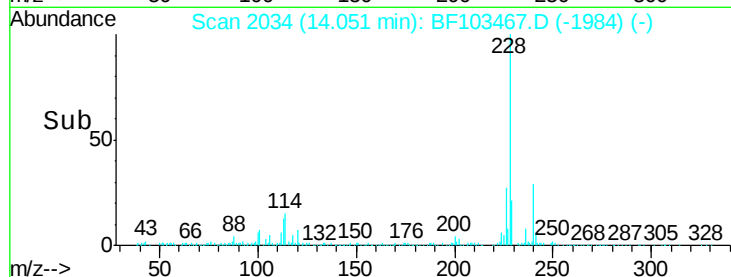
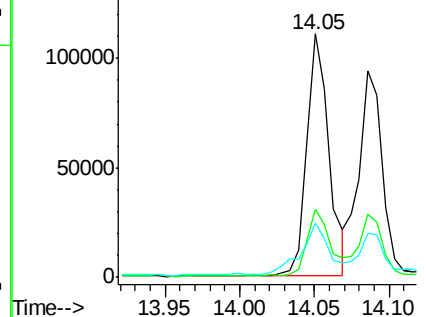
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.2	15.8	23.6

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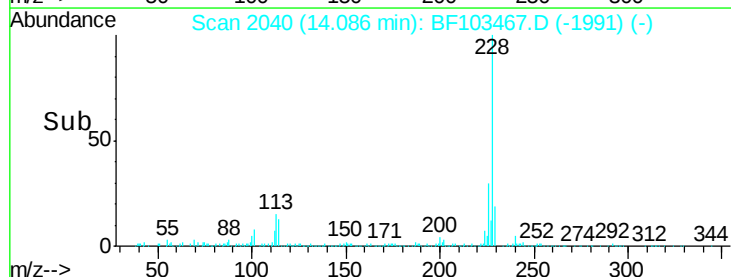
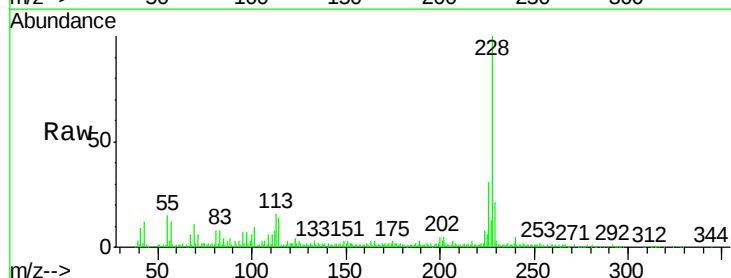
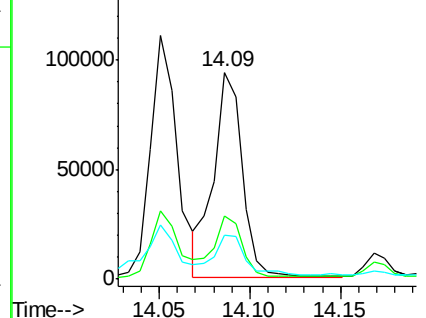
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

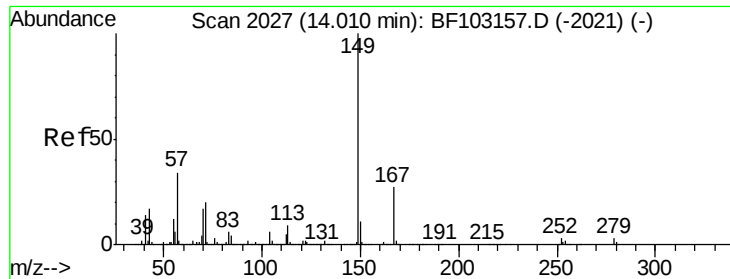


#82
Chrysene
Concen: 7.022 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.3	16.2	24.4

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





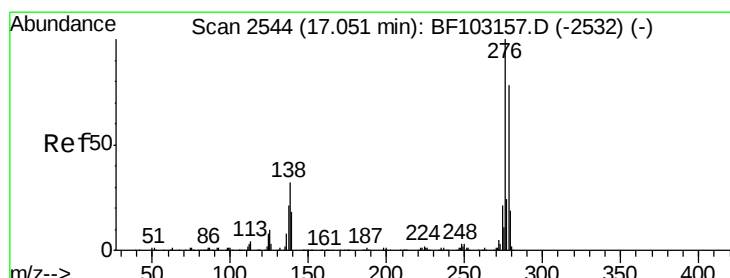
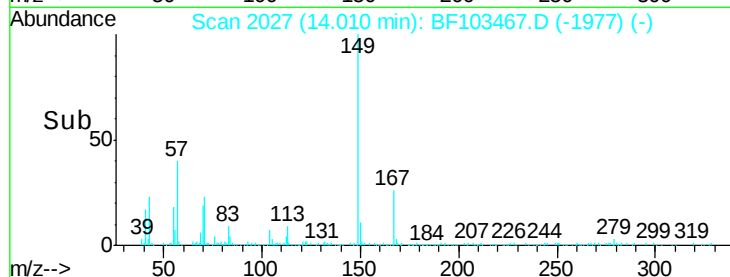
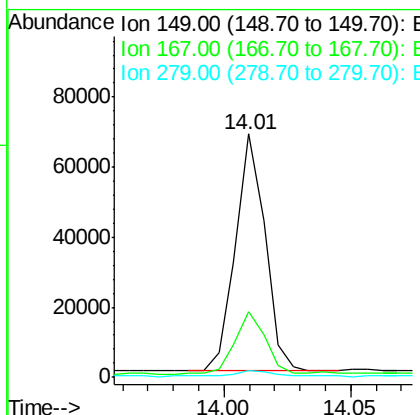
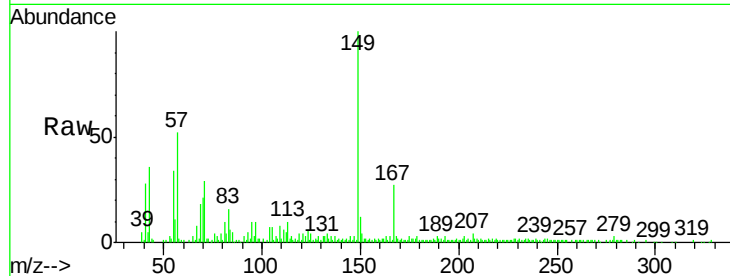
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.164 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF103467.D
 Acq: 6 Mar 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	3.0	3.0	4.4

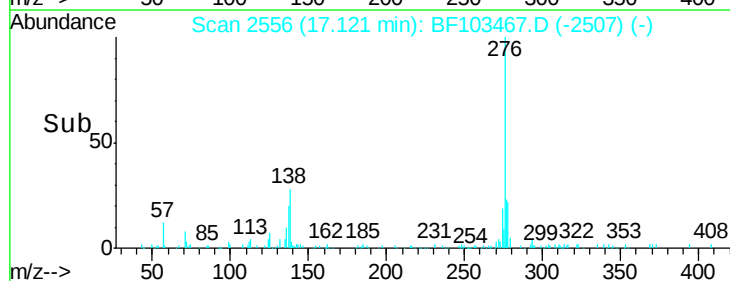
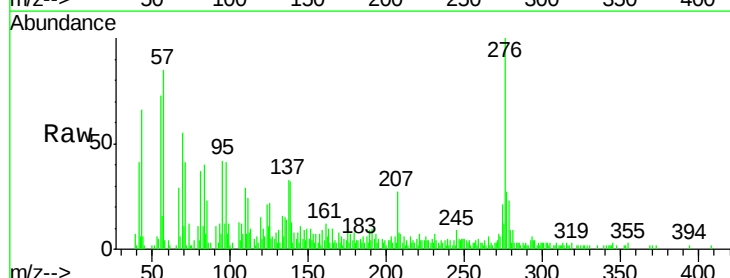
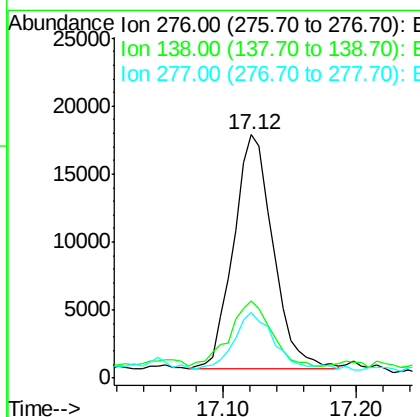
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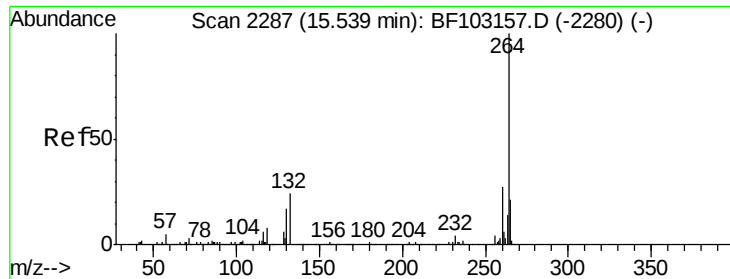
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.009 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF103467.D
 Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	25.0	20.1	30.1





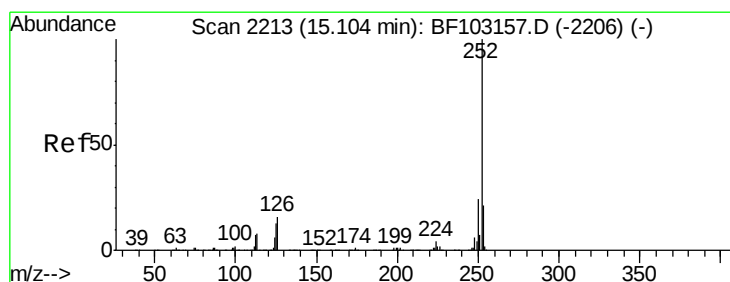
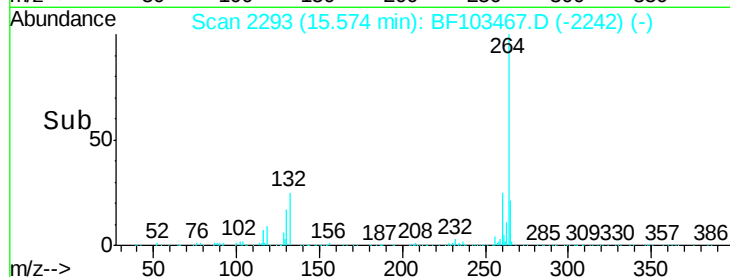
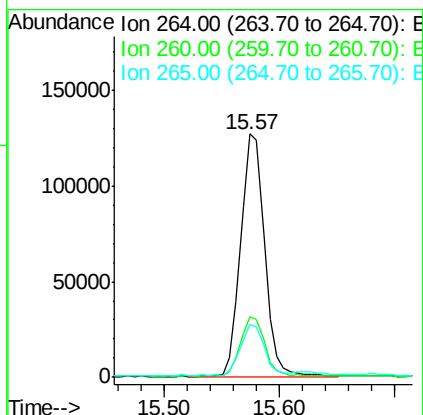
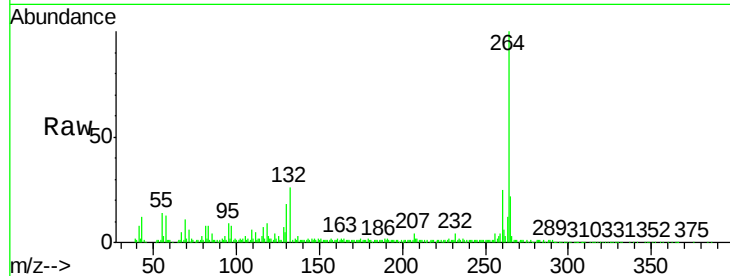
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.6	17.5	26.3

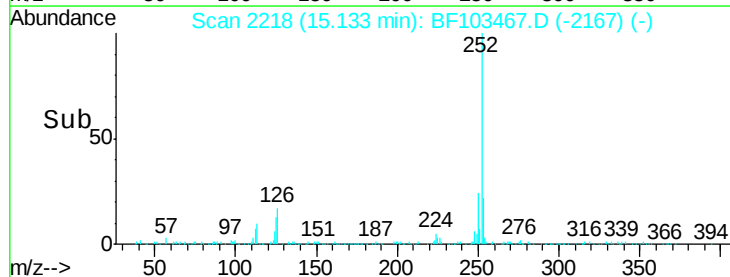
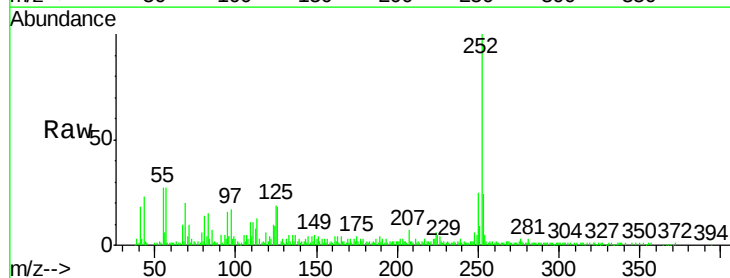
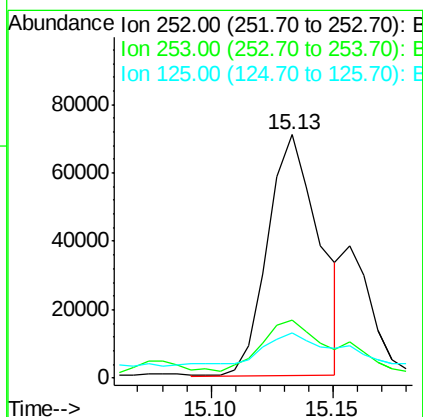
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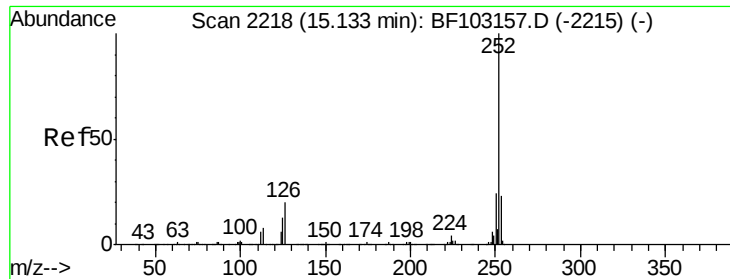
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#87
Benzo(b)fluoranthene
Concen: 8.621 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	18.7	9.0	13.6





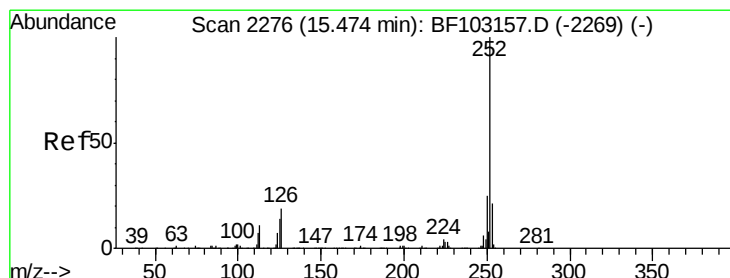
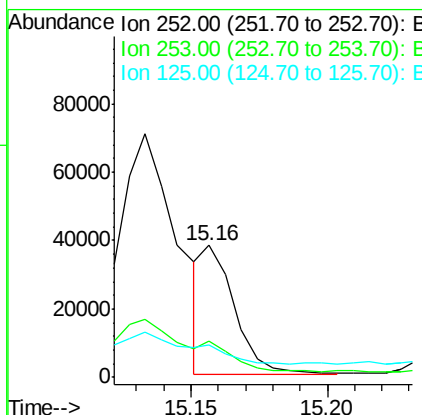
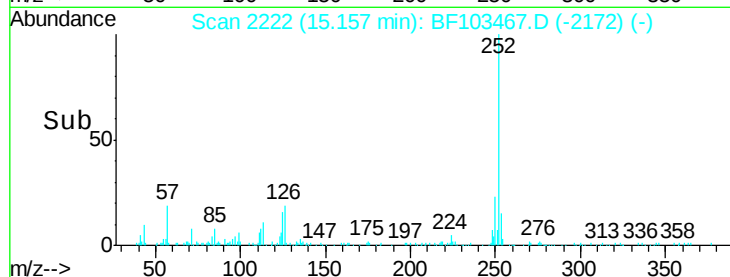
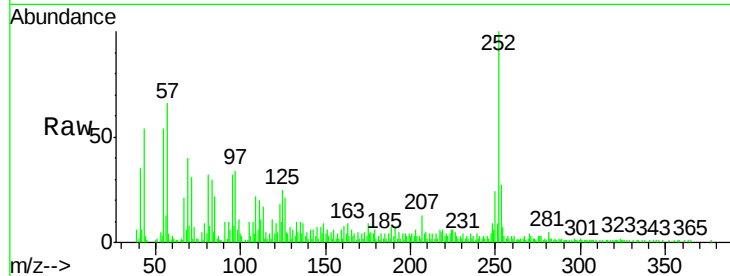
#88
Benzo(k)fluoranthene
Concen: 2.778 ng/mL
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	24.9	10.2	15.2#

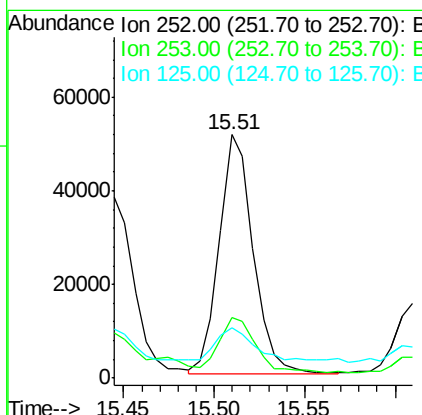
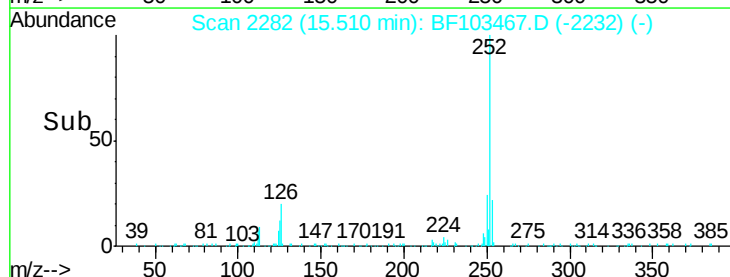
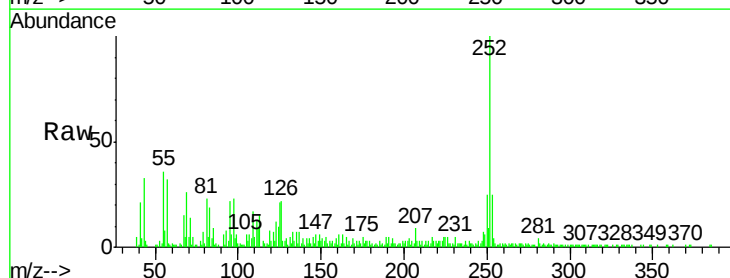
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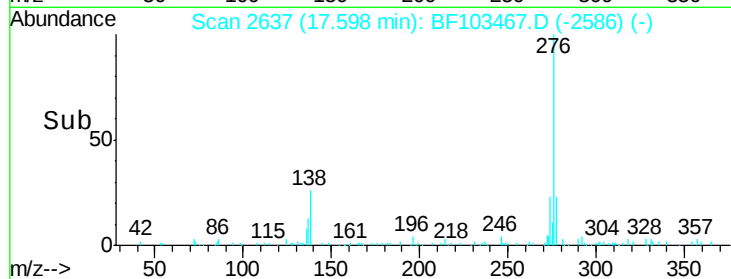
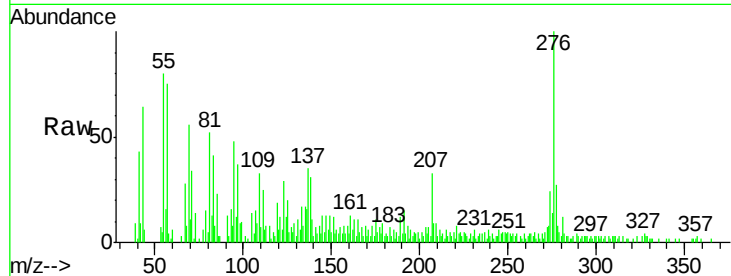
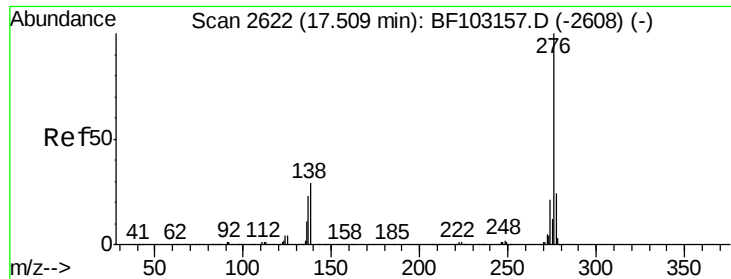
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#89
Benzo(a)pyrene
Concen: 6.224 ng/mL
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	20.7	9.8	14.6#





#91
Benzo(a,h,i)perylene
Concen: 4.317 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.00 min
Lab File: BF103467.D
Acq: 6 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	31.4	21.8	32.8

Manual Integrations
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