

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101837.D
 Acq On : 29 Dec 2017 18:53
 Operator : SJ/JU
 Sample : I7034-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-05(5-6)

Manual Integrations
 APPROVED

Sohil
 1/2/2018 1:05:10 PM

Quant Time: Dec 30 03:36:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	139998	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	495717	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	180119	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	314895	20.00	ng	0.00
75) Chrysene-d12	13.97	240	287523	20.00	ng	0.00
86) Perylene-d12	15.45	264	225600	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	970607	103.27	ng	0.00
7) Phenol-d6	6.43	99	1111508	95.03	ng	0.00
23) Nitrobenzene-d5	7.36	82	672525	75.52	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	178302	102.73	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	895309	77.11	ng	0.00
78) Terphenyl-d14	12.90	244	760072	63.73	ng	0.00
Target Compounds						
10) Phenol	6.45	94	45598	3.420	ng	Qvalue # 52
49) Dimethylphthalate	9.54	163	114175	7.881	ng	98
70) Phenanthrene	11.34	178	137003	7.823	ng	96
71) Anthracene	11.40	178	37725	2.109	ng	97
74) Fluoranthene	12.53	202	227572	12.381	ng	99
77) Pyrene	12.76	202	241762	11.204	ng	99
80) Benzo(a)anthracene	13.96	228	111089	5.851	ng	97
82) Chrysene	14.00	228	104076	5.806	ng	95
85) Indeno(1,2,3-cd)pyrene	16.95	276	40276	2.523	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	109549m	7.967	ng	
88) Benzo(k)fluoranthene	15.04	252	29434m	2.202	ng	
89) Benzo(a)pyrene	15.39	252	73964	5.835	ng	# 87
91) Benzo(a,h,i)perylene	17.41	276	39045	3.623	ng	# 87

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

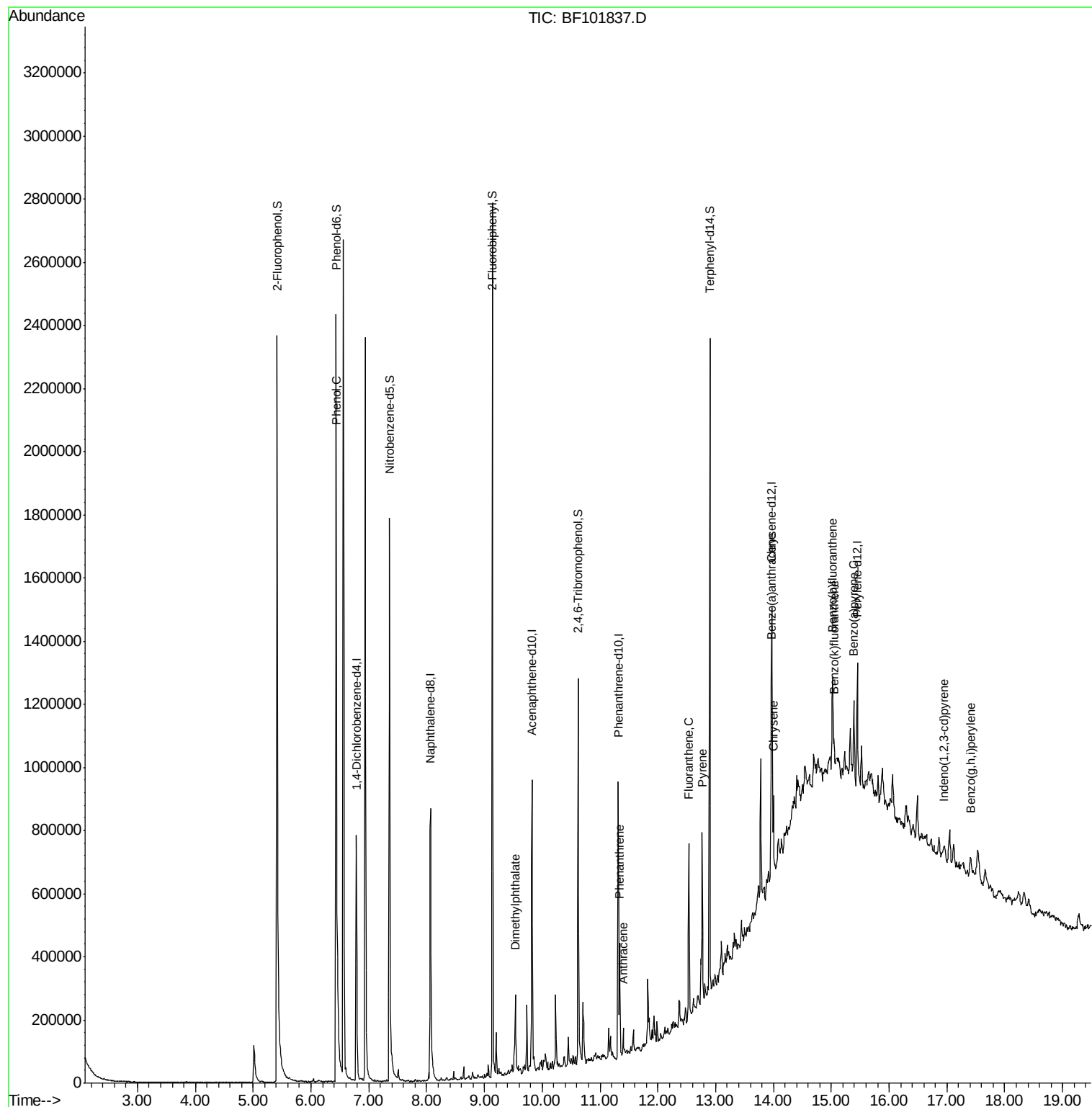
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101837.D
Acq On : 29 Dec 2017 18:53
Operator : SJ/JU
Sample : I7034-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

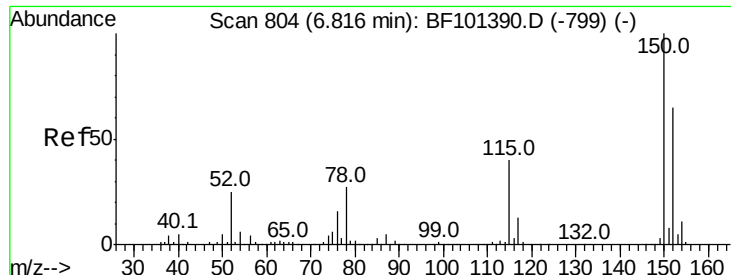
Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

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#1

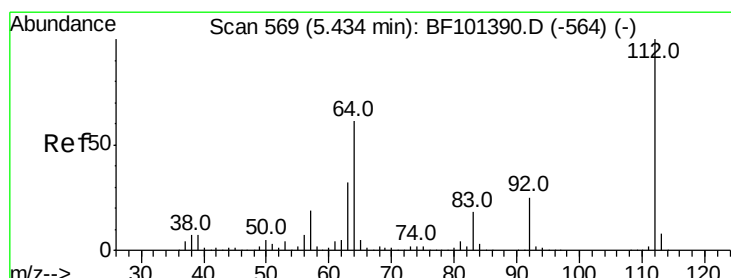
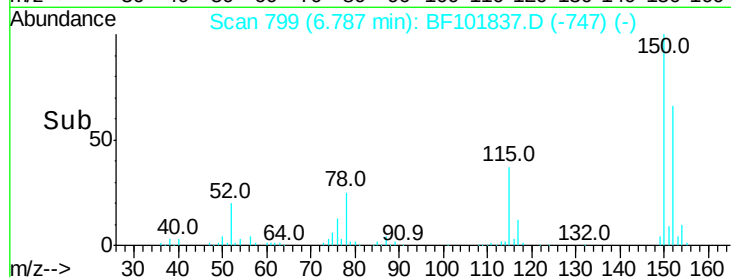
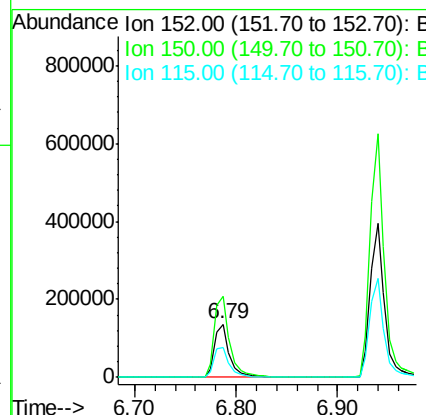
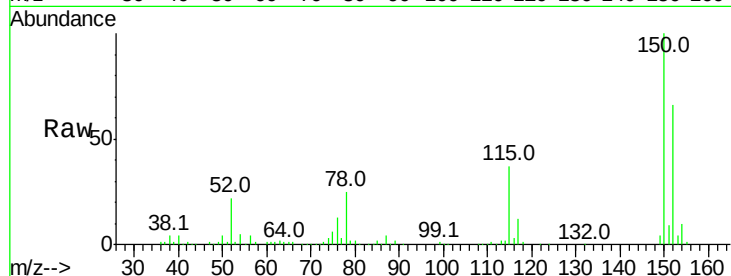
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.6	186.8
115	56.9	50.1	75.1

Manual Integrations
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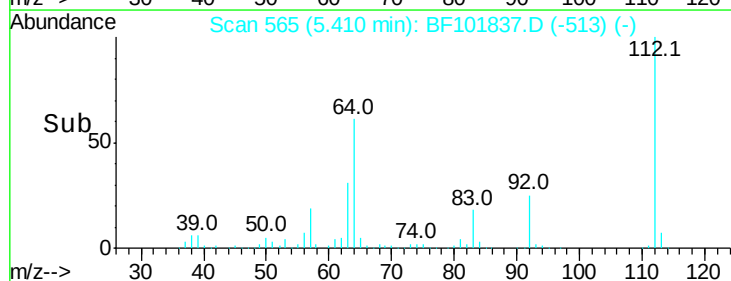
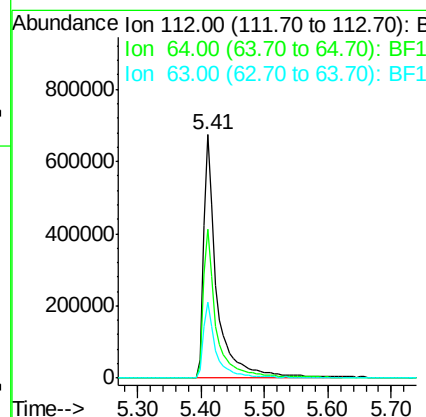
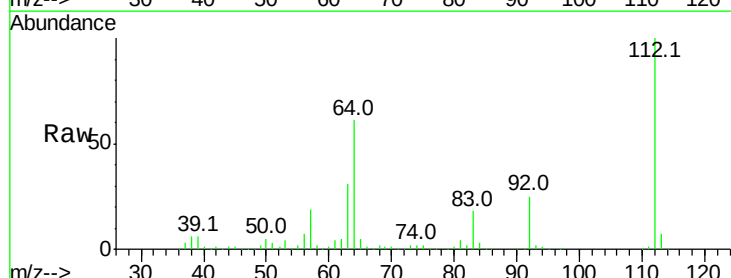
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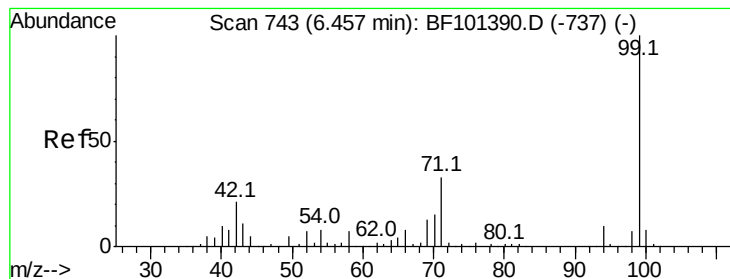


#5

2-Fluorophenol
Concen: 103.273 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 95.027 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampled :

TB-05(5-6)

Tot Ion: 99 Resp: 1111508

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

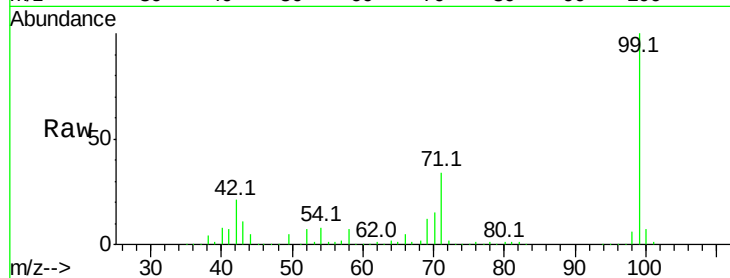
71 33.9 25.4 38.0

Manual Integrations

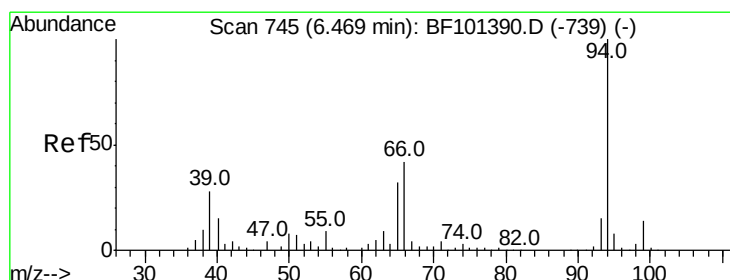
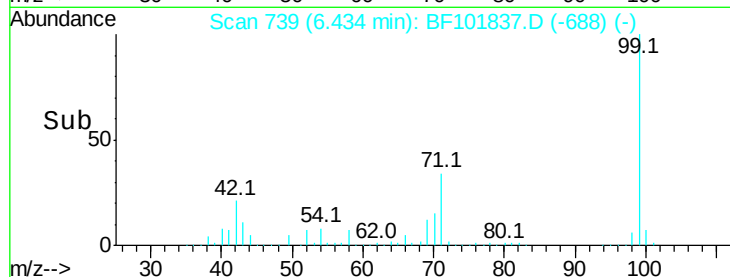
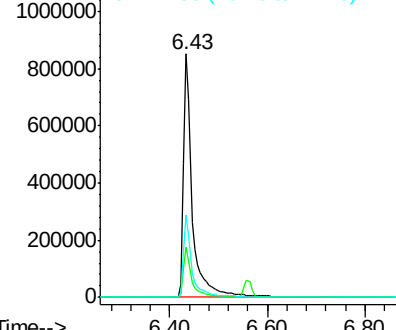
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.420 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

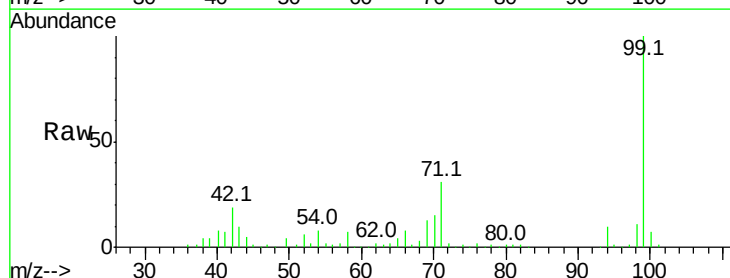
Tgt Ion: 94 Resp: 45598

Ion Ratio Lower Upper

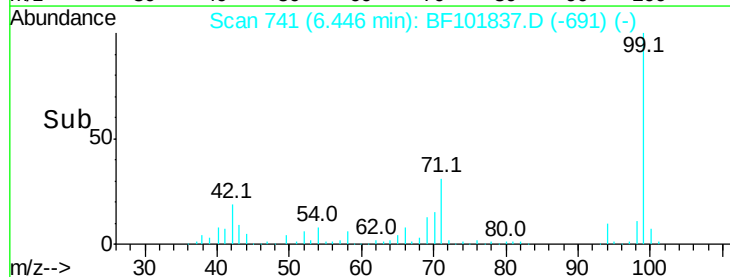
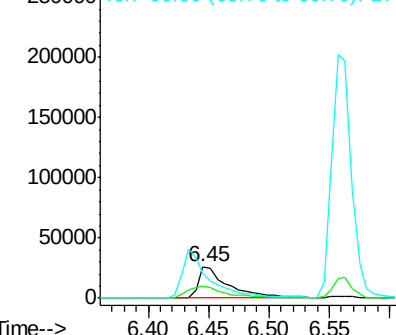
94 100

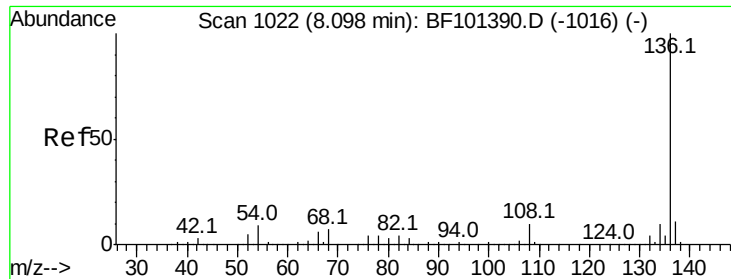
65 36.0 7.9 47.9

66 79.0 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





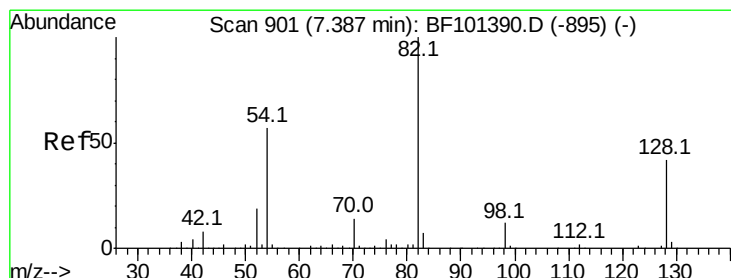
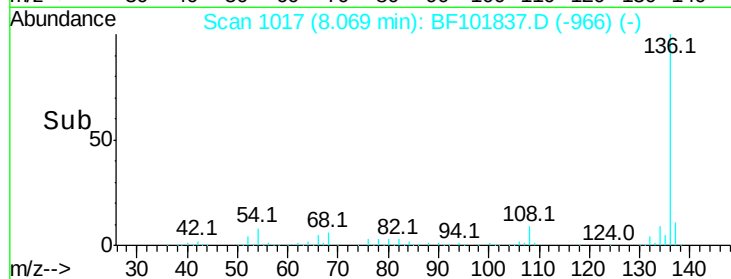
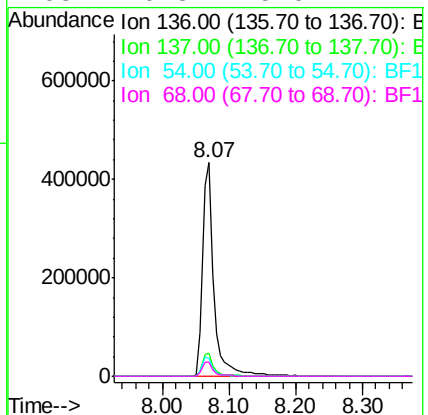
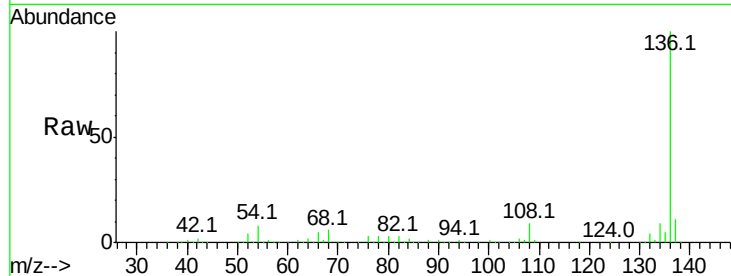
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.5	6.6	9.8
68	6.3	5.0	7.4

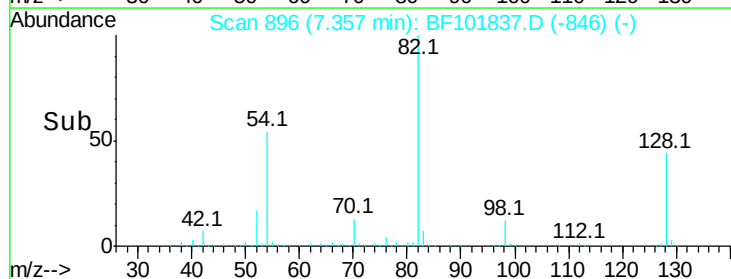
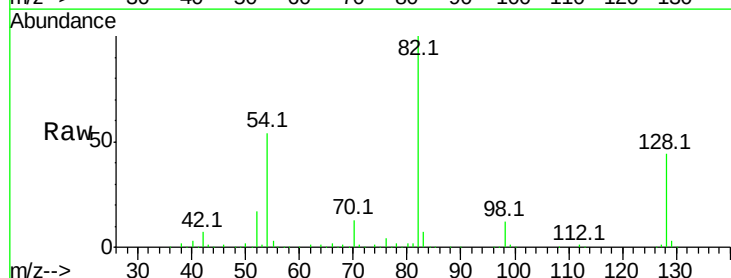
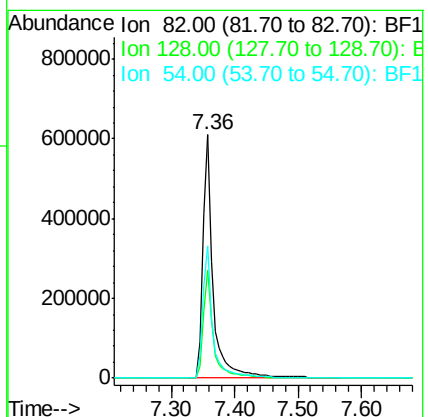
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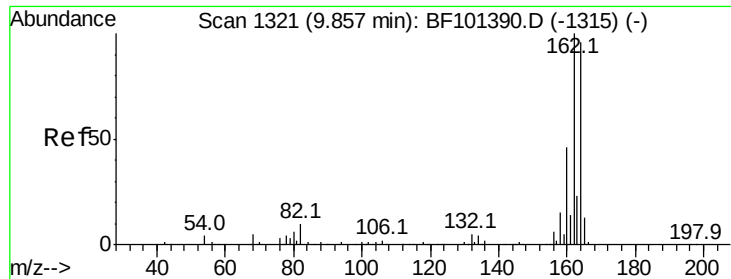
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#23
Nitrobenzene-d5
Concen: 75.520 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.1	36.1	54.1
54	54.1	41.4	62.2





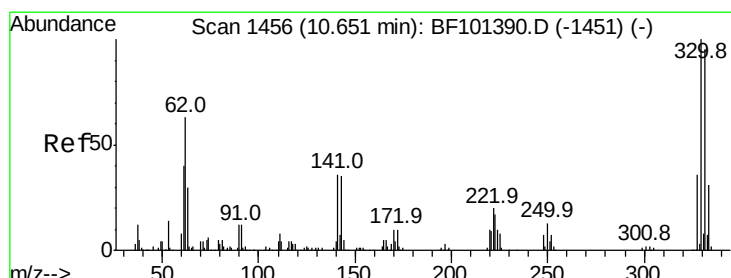
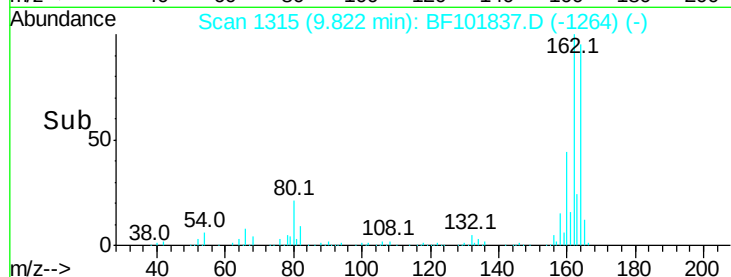
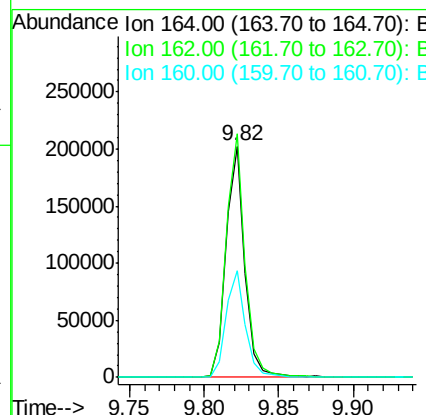
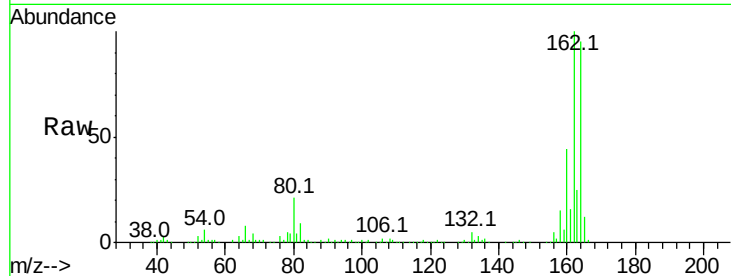
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	180119		
162	105.4	86.1	129.1	
160	46.3	38.3	57.5	

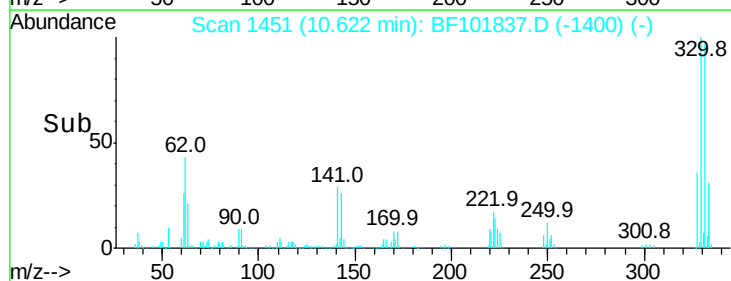
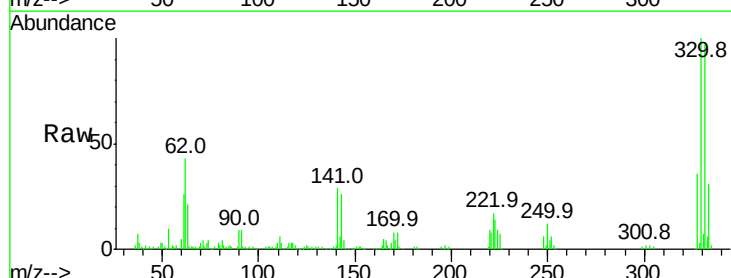
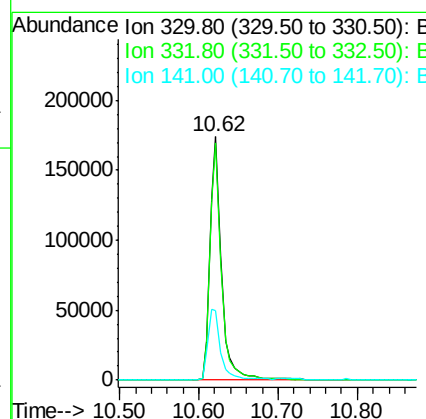
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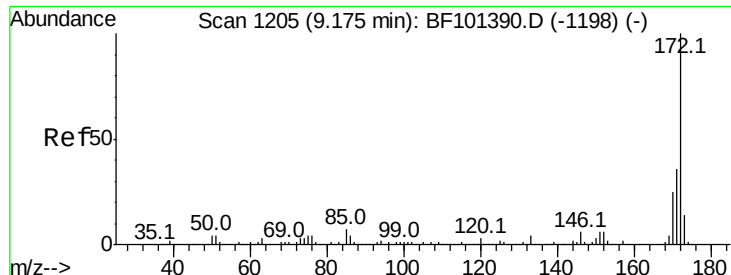
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#41
2,4,6-Tribromophenol
Concen: 102.733 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	178302		
332	96.1	77.0	115.6	
141	32.1	29.9	44.9	





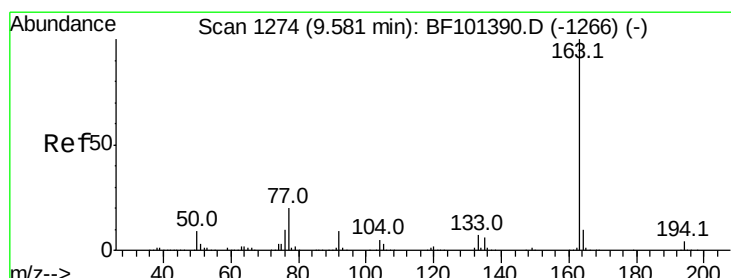
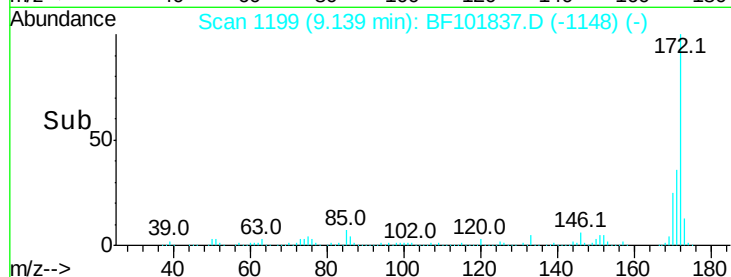
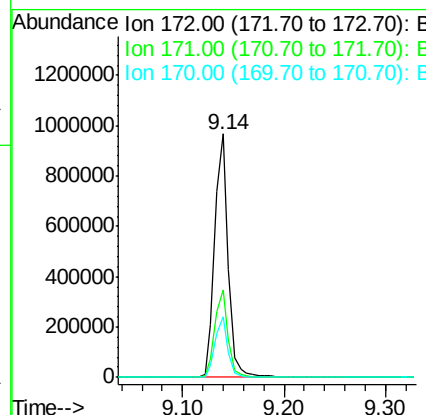
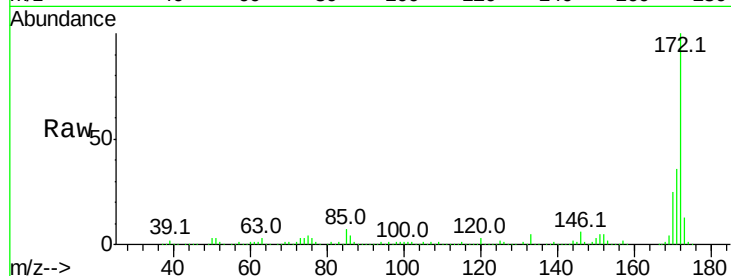
#44
2-Fluorobiphenyl
Concen: 77.107 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	895309		
171	36.1		29.7	44.5
170	24.8		19.6	29.4

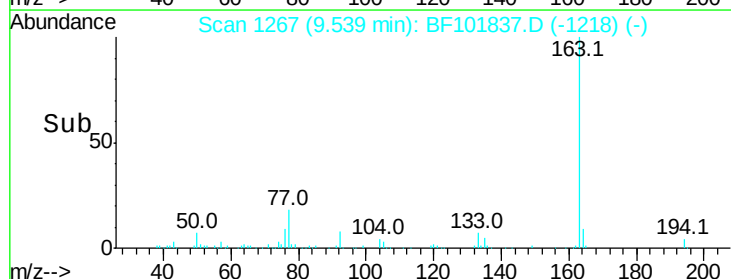
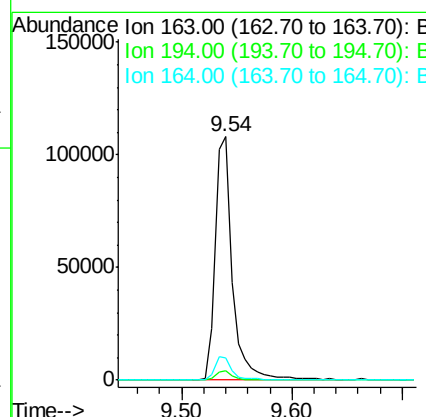
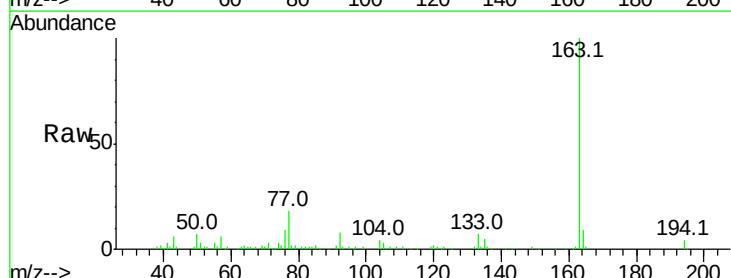
Manual Integrations
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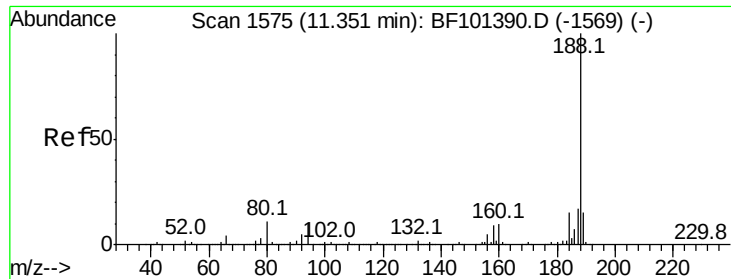
Sohil
1/2/2018 1:05:10 PM



#49
Dimethylphthalate
Concen: 7.881 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	114175		
194	4.0		2.7	4.1
164	9.4		8.2	12.2





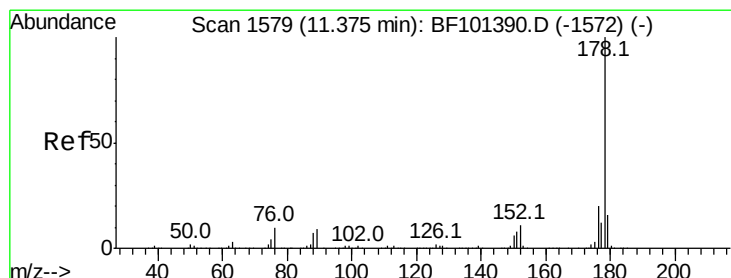
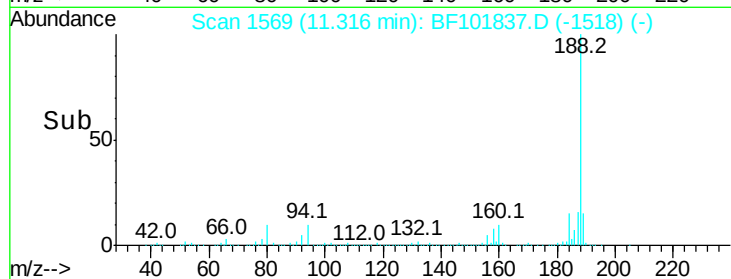
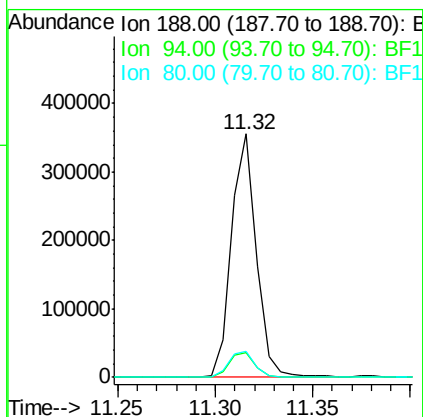
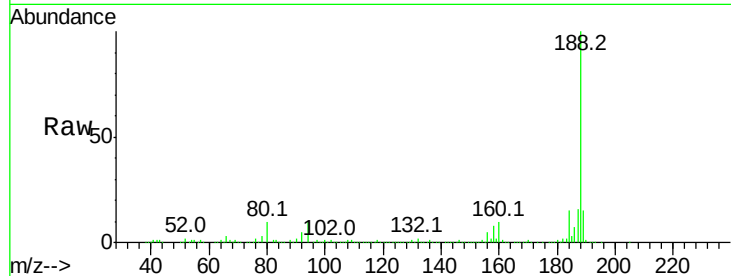
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.4	9.2	13.8

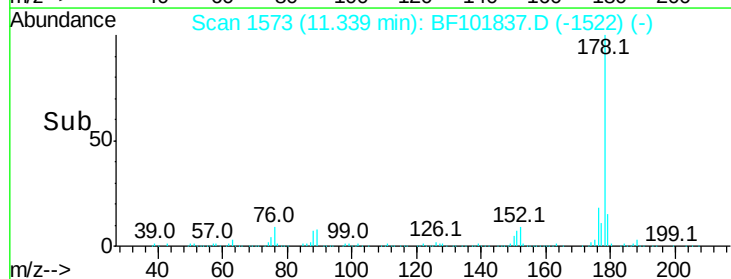
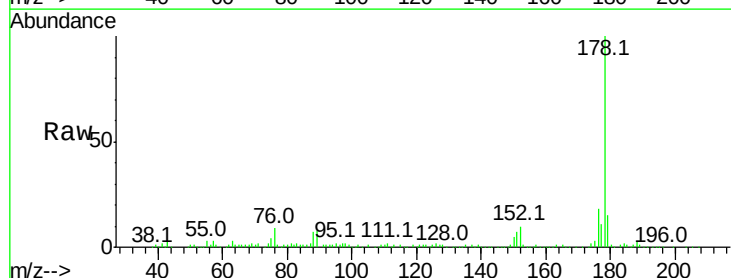
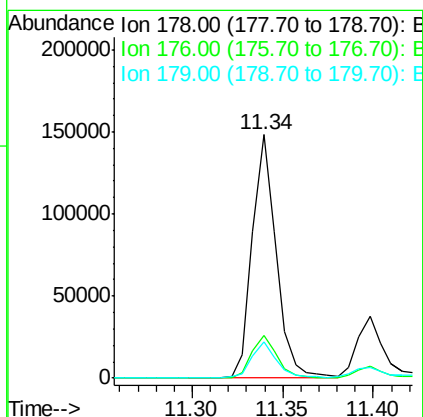
Manual Integrations
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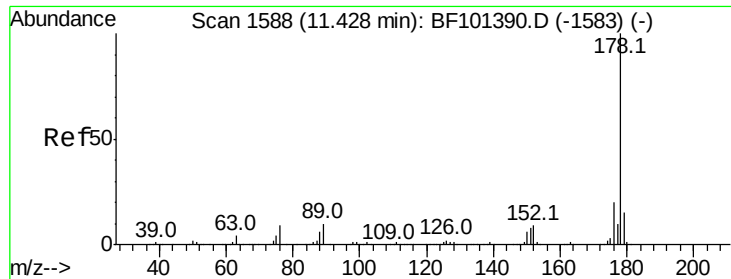
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#70
Phenanthrene
Concen: 7.823 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.6	15.8	23.8
179	14.8	13.0	19.6





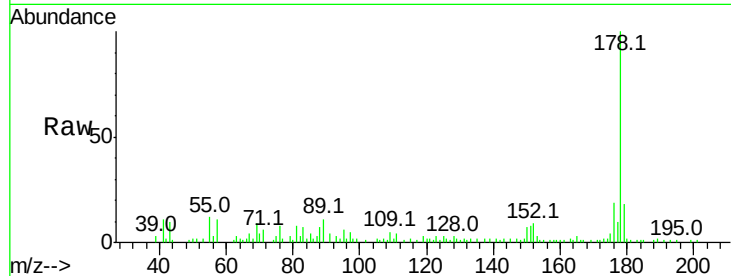
#71
 Anthracene
 Concen: 2.109 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101837.D
 Acq: 29 Dec 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TB-05(5-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	18.1	12.6	19.0

Manual Integrations
 APPROVED

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 1/2/2018 1:05:10 PM

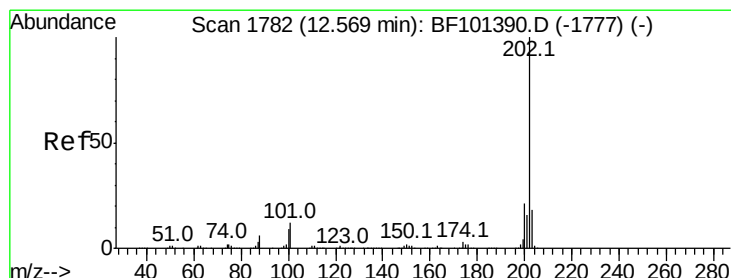
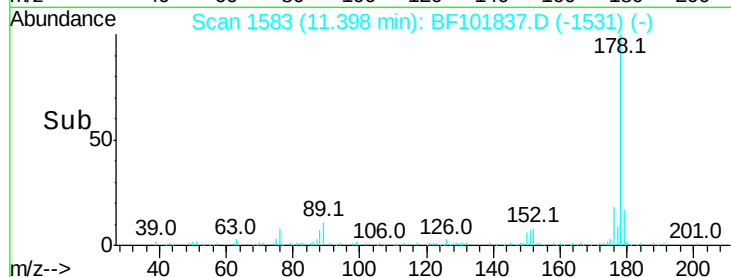
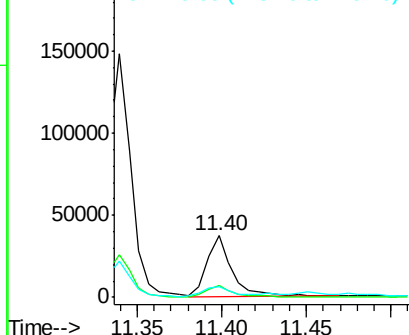


Abundance

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: 12.381 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101837.D
 Acq: 29 Dec 2017 18:53

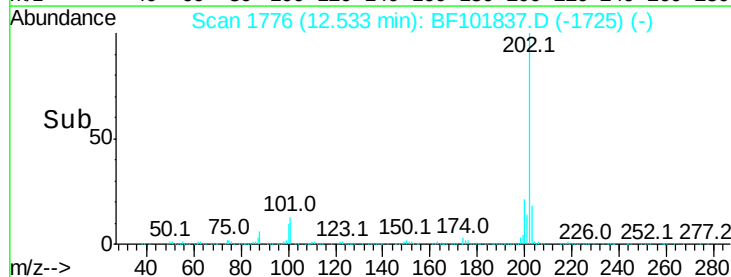
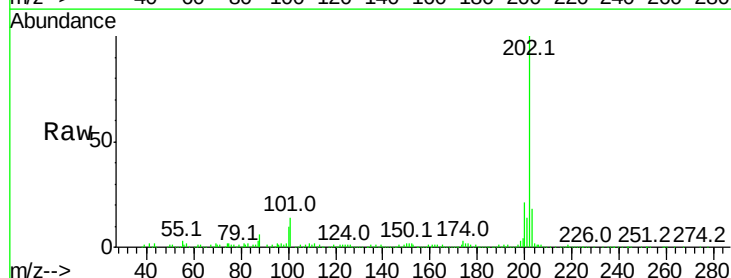
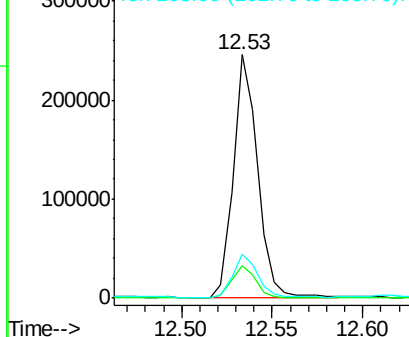
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	18.1	0.0	38.1

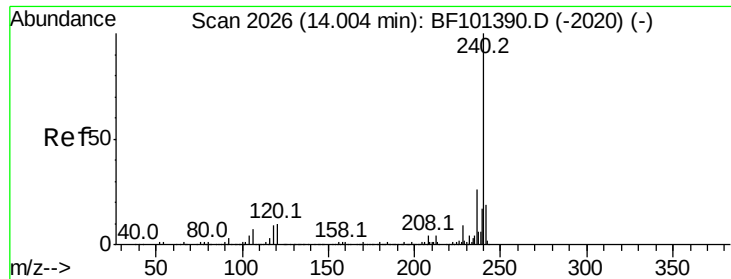
Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

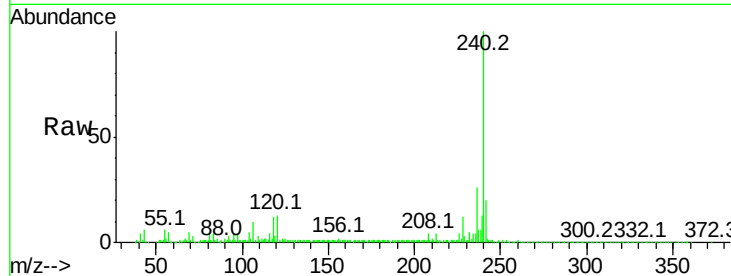
ClientSampleId :

TB-05(5-6)

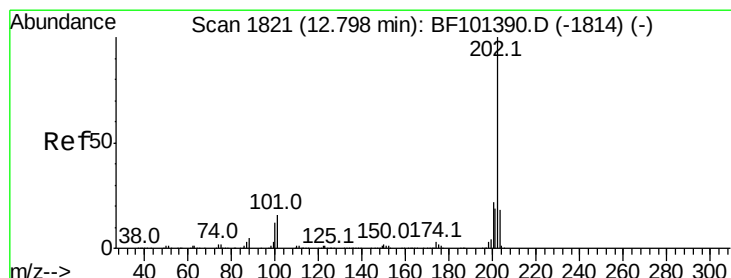
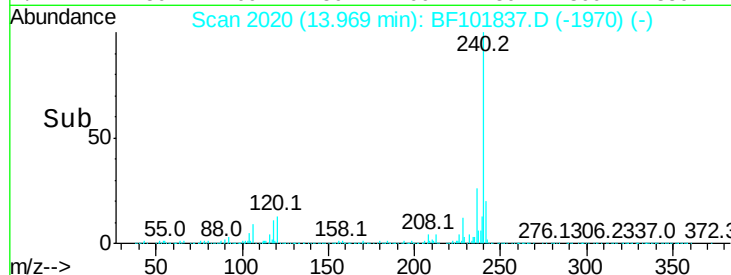
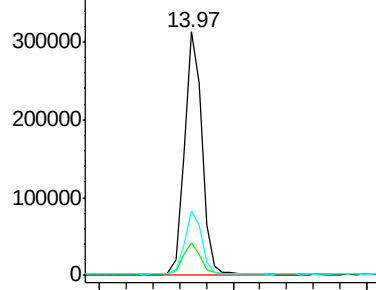
Tot Ion:	240	Resp:	287523
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	26.4	20.7	31.1

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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: 11.204 ng

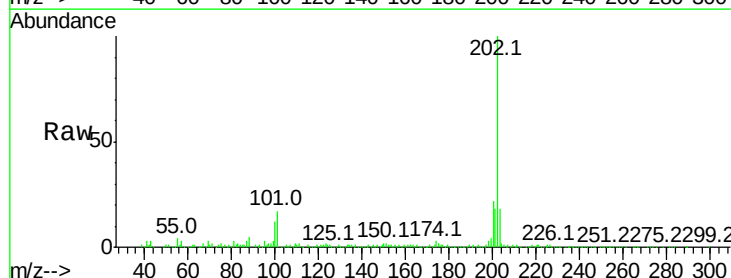
RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

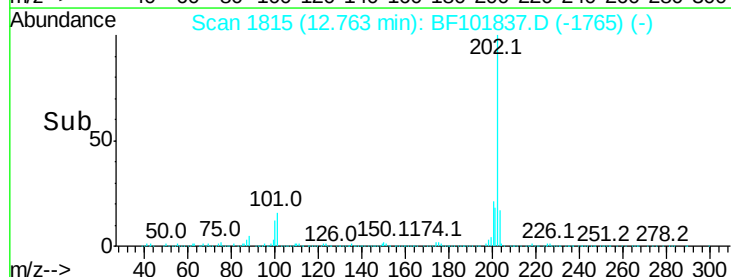
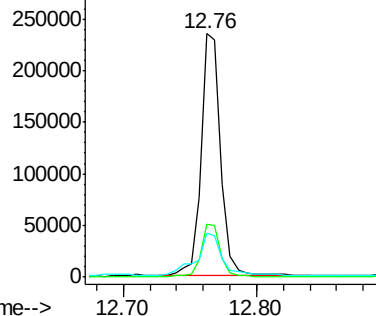
Lab File: BF101837.D

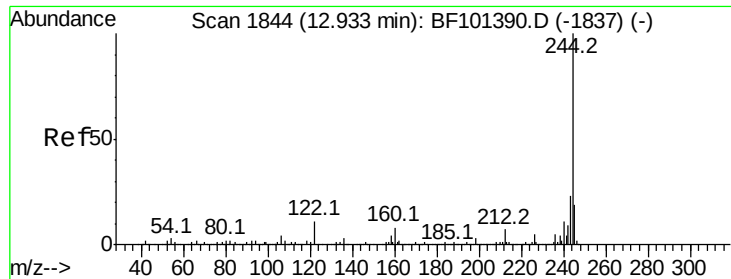
Acq: 29 Dec 2017 18:53

Tgt Ion:	202	Resp:	241762
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.2	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: 63.729 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

Instrument :

BNA_F

ClientSampled :

TB-05(5-6)

Tot Ion:244 Resp: 760072

Ion Ratio Lower Upper

244 100

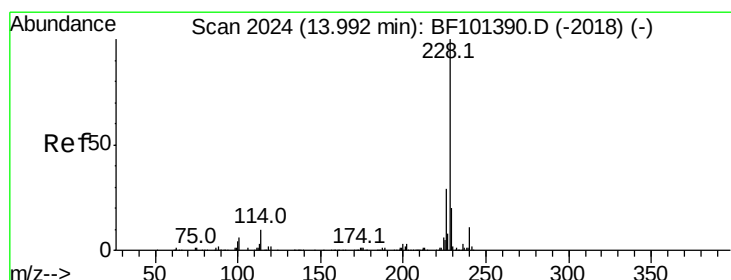
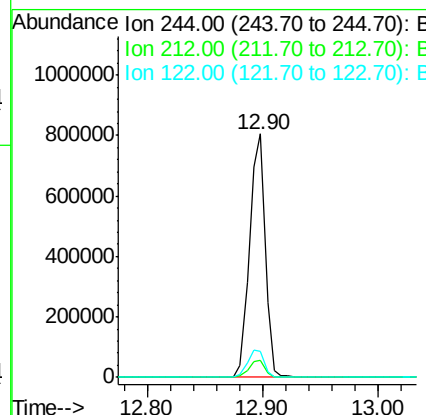
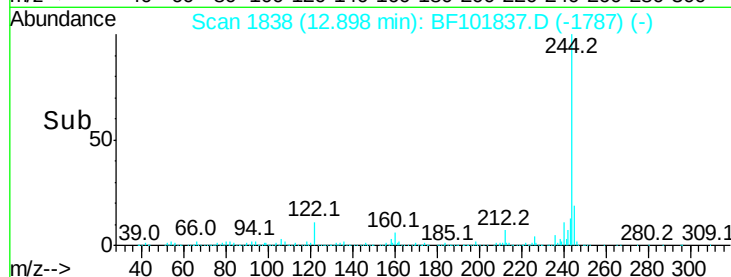
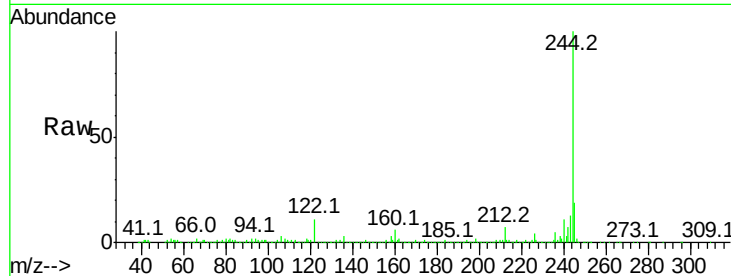
212 7.1 5.4 8.0

122 10.7 11.0 16.4#

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#80

Benzo(a)anthracene

Concen: 5.851 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF101837.D

Acq: 29 Dec 2017 18:53

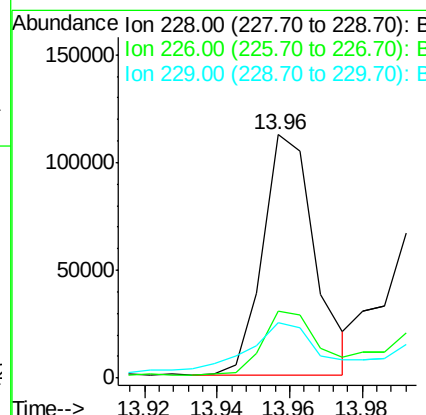
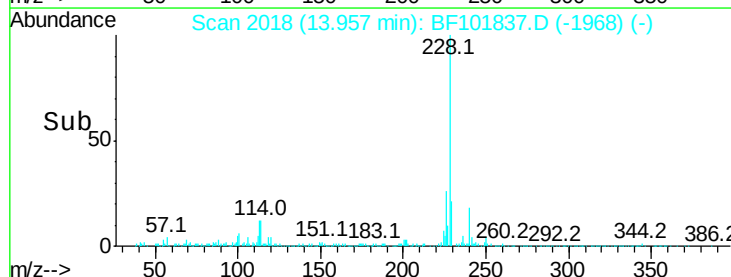
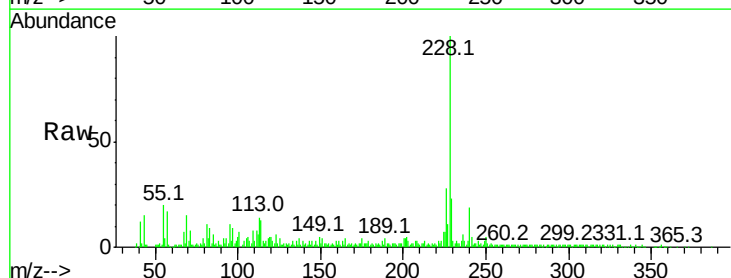
Tgt Ion:228 Resp: 111089

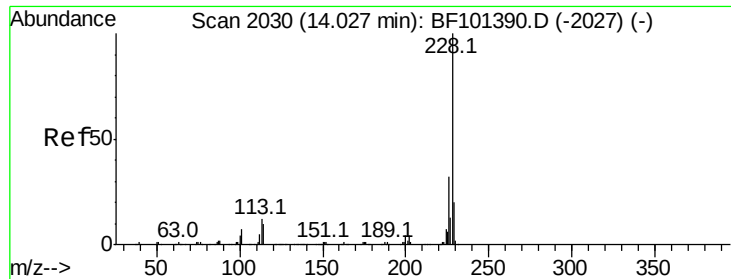
Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

229 22.8 15.8 23.6





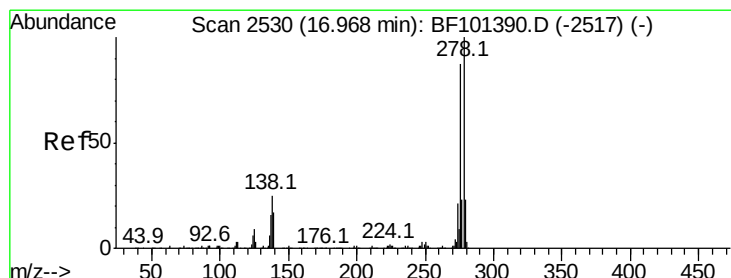
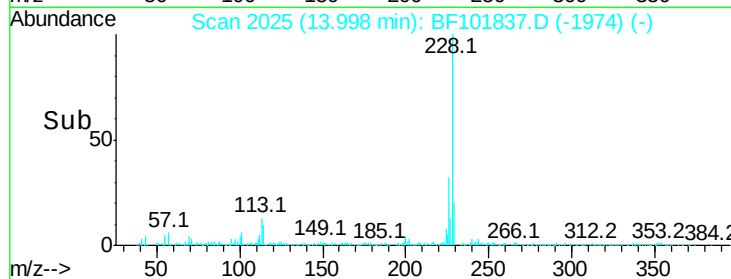
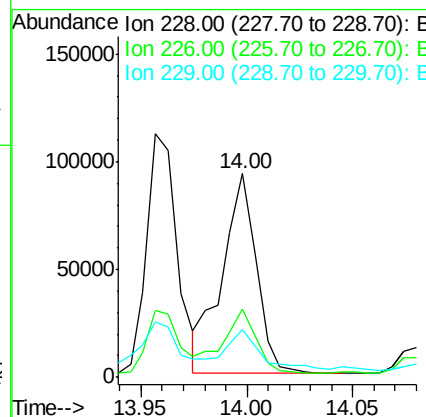
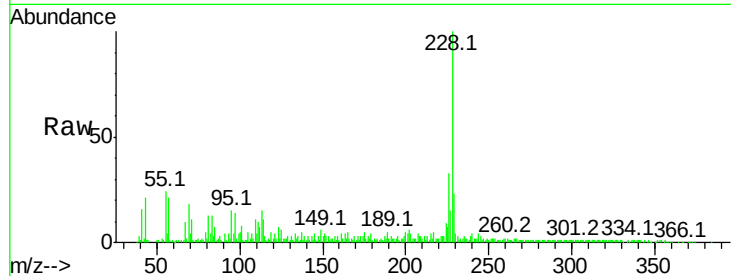
#82
Chrysene
Concen: 5.806 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.0	37.6
229	23.2	16.2	24.4

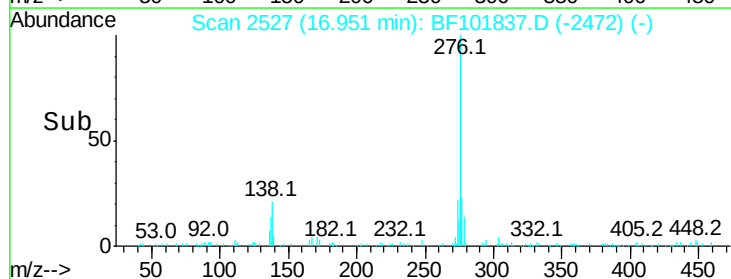
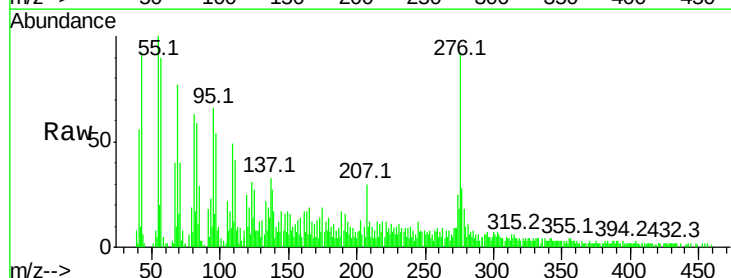
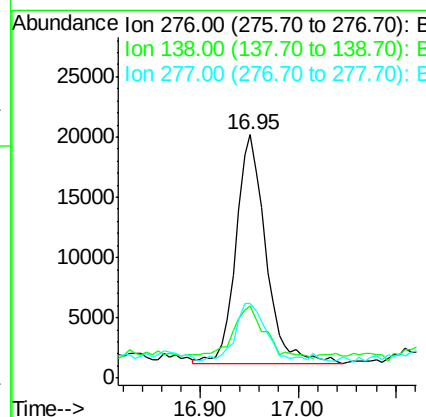
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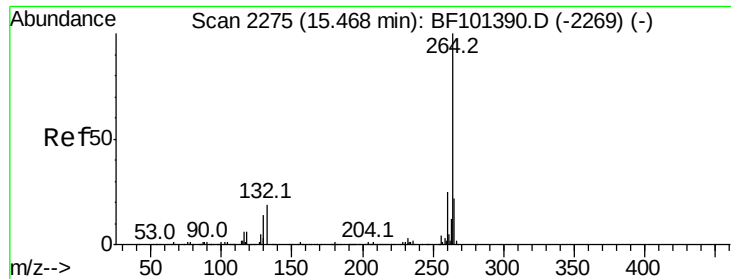
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.523 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.02 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.0	37.6#
277	25.9	20.1	30.1





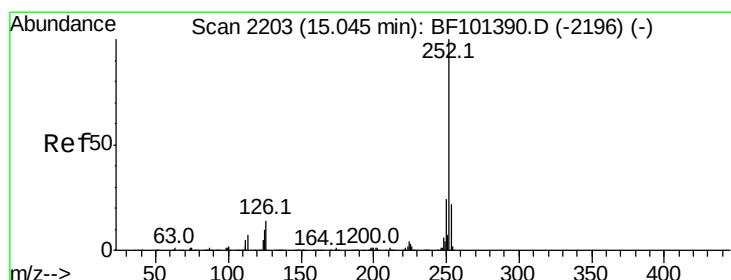
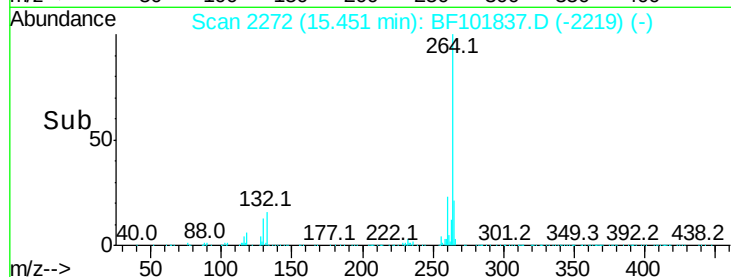
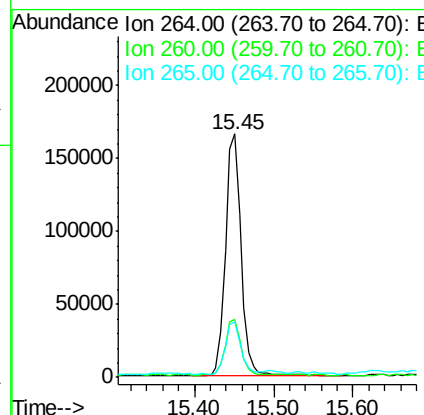
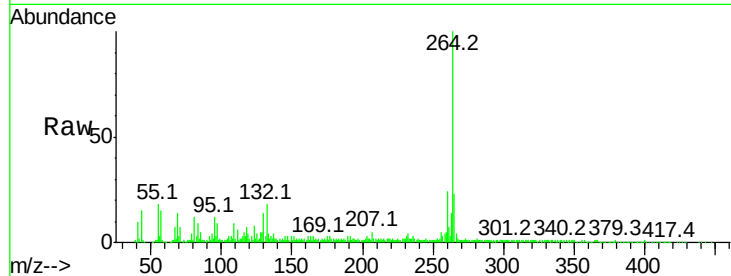
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	19.2	28.8	
265	22.7	17.5	26.3	

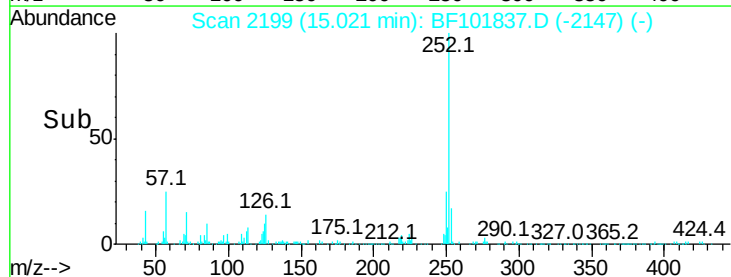
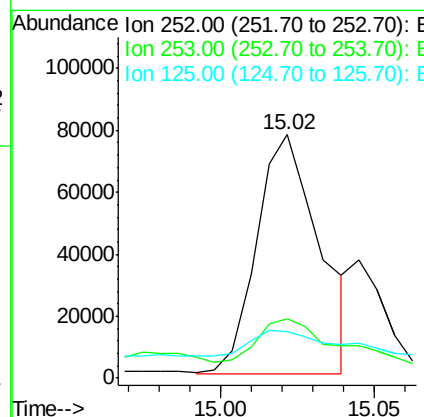
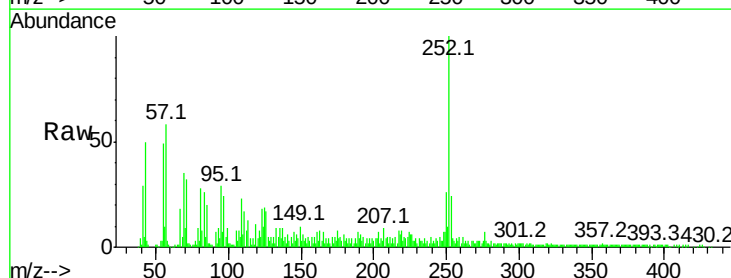
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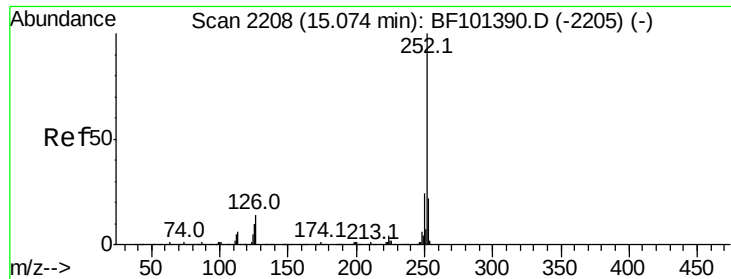
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#87
Benzo(b)fluoranthene
Concen: 7.967 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.4	17.0	25.6	
125	19.2	9.0	13.6	





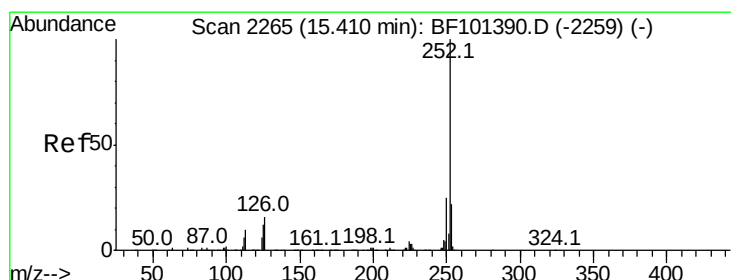
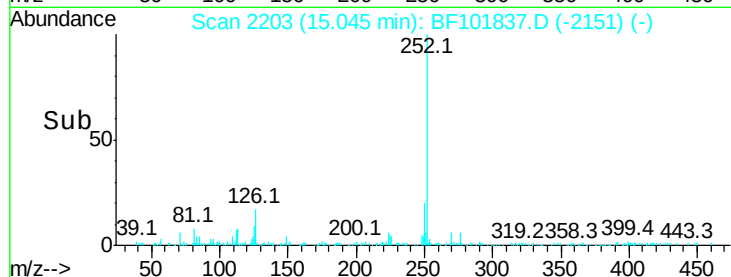
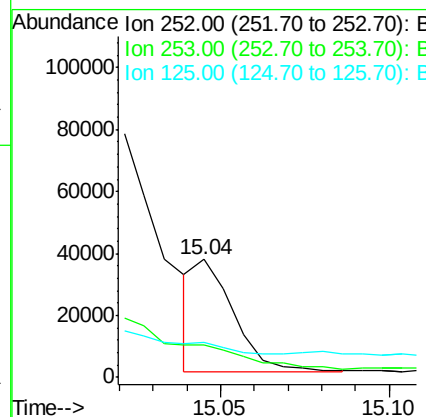
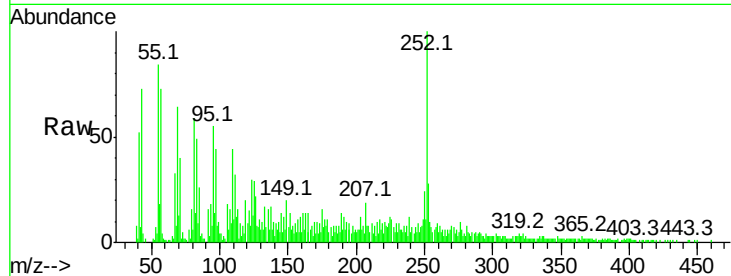
#88
Benzo(k)fluoranthene
Concen: 2.202 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Instrument :
BNA_F
ClientSampleId :
TB-05(5-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	29.2	10.2	15.2#

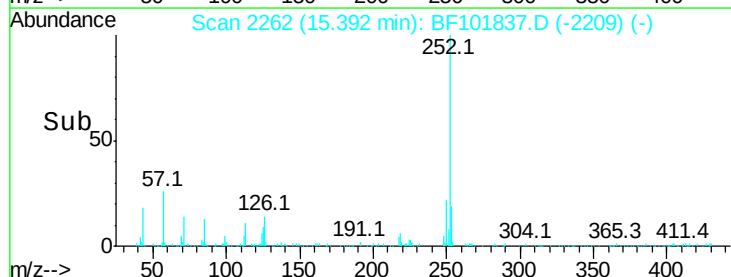
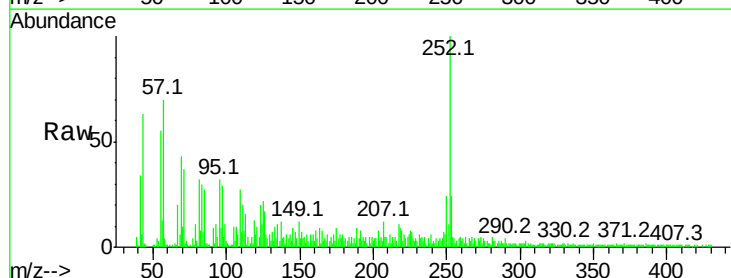
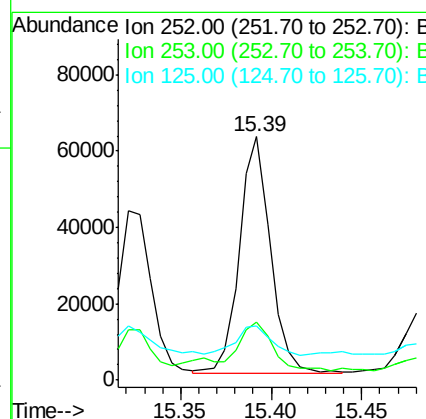
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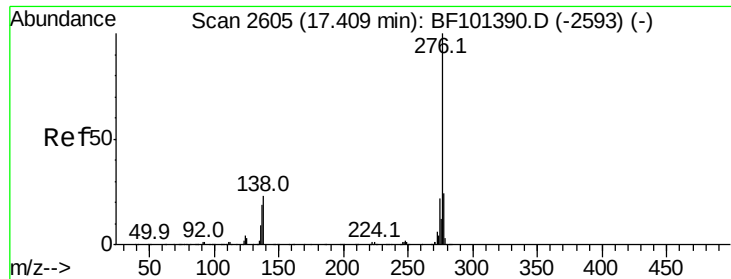
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#89
Benzo(a)pyrene
Concen: 5.835 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101837.D
Acq: 29 Dec 2017 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	22.1	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.623 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.04 min
 Lab File: BF101837.D
 Acq: 29 Dec 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TB-05(5-6)

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.4	17.9	26.9#
138	29.9	21.8	32.8

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