

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101839.D
 Acq On : 29 Dec 2017 19:47
 Operator : SJ/JU
 Sample : I7034-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

Manual Integrations
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Quant Time: Dec 30 03:44:54 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	127763	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	461971	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	171785	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	297402	20.00	ng	0.00
75) Chrysene-d12	13.97	240	203515	20.00	ng	0.00
86) Perylene-d12	15.46	264	150773	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	165489	19.29	ng	0.02
7) Phenol-d6	6.45	99	193925	18.17	ng	0.02
23) Nitrobenzene-d5	7.36	82	115873	13.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	25178	15.21	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	222399	20.08	ng	0.00
78) Terphenyl-d14	12.90	244	175044	20.74	ng	0.00
Target Compounds						
70) Phenanthrene	11.34	178	128179	7.750	ng	98
71) Anthracene	11.40	178	38962	2.306	ng	96
74) Fluoranthene	12.54	202	211372	12.176	ng	97
77) Pyrene	12.77	202	212302	13.900	ng	99
80) Benzo(a)anthracene	13.97	228	76985	5.729	ng	# 93
82) Chrysene	14.00	228	74639	5.882	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.97	276	30716	2.718	ng	# 88
87) Benzo(b)fluoranthene	15.03	252	66872m	7.277	ng	
88) Benzo(k)fluoranthene	15.06	252	23922m	2.677	ng	
89) Benzo(a)pyrene	15.40	252	49904	5.891	ng	# 63
91) Benzo(g,h,i)perylene	17.43	276	32069	4.452	ng	# 77

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

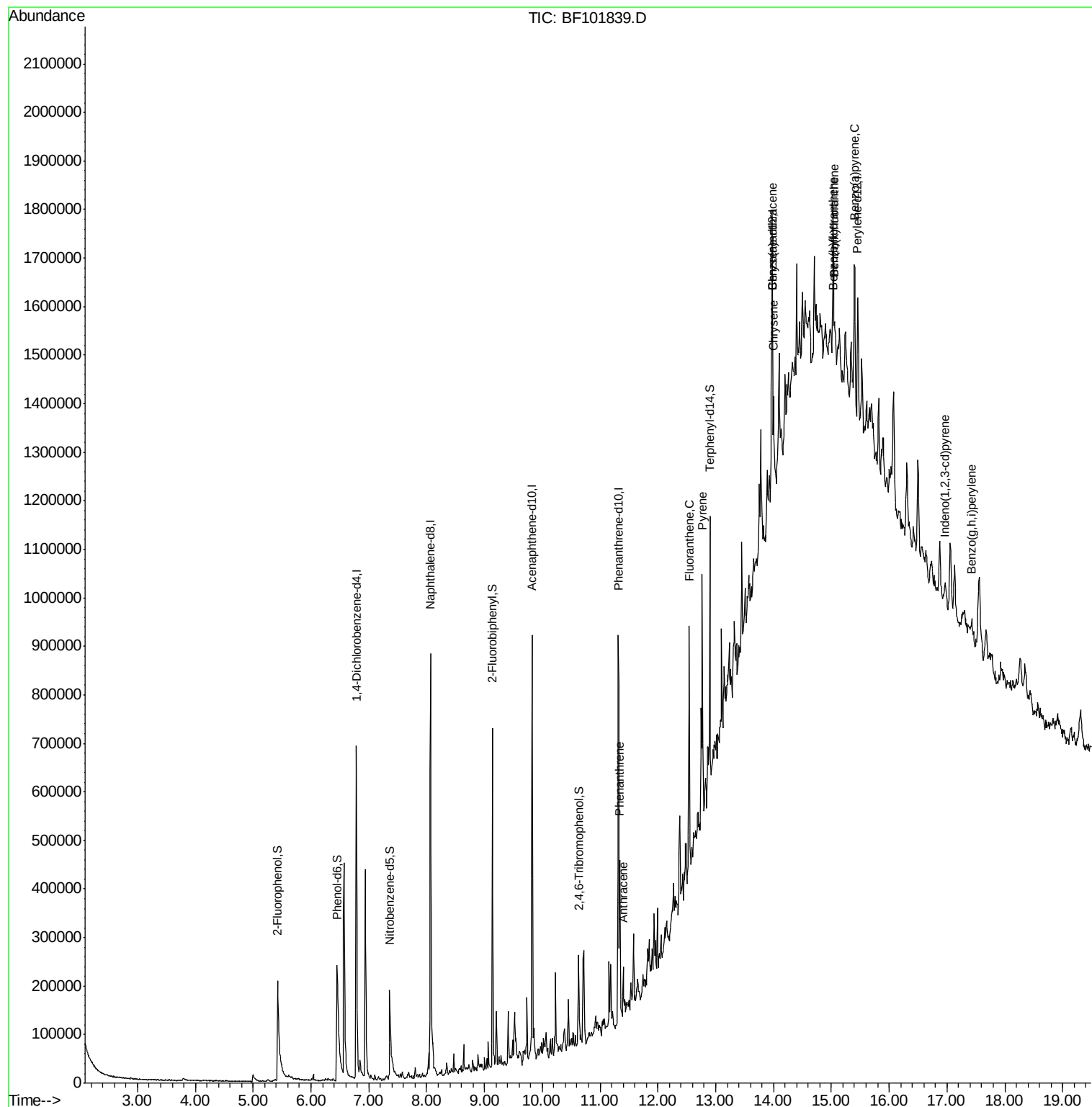
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101839.D
Acq On : 29 Dec 2017 19:47
Operator : SJ/JU
Sample : I7034-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

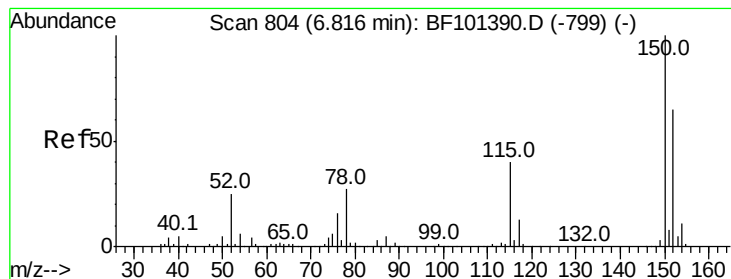
Instrument :
BNA_F
ClientSampled :
TB-12(5.5-7.5)

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Quant Time: Dec 30 03:44:54 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





#1

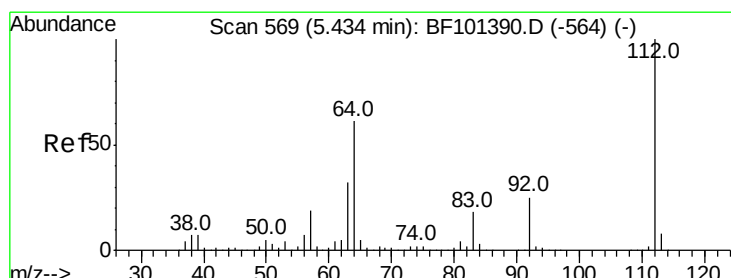
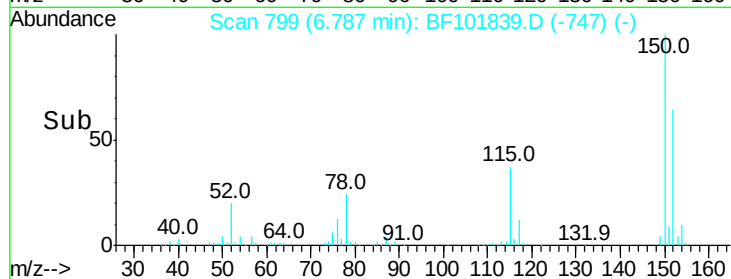
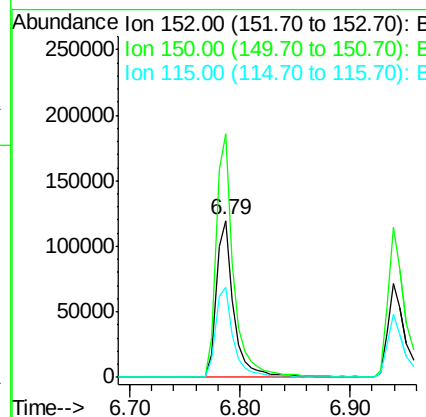
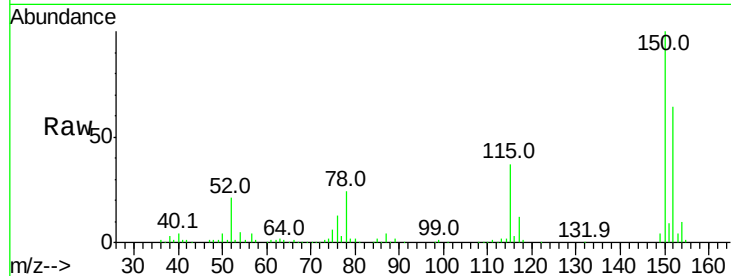
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	57.6	50.1	75.1

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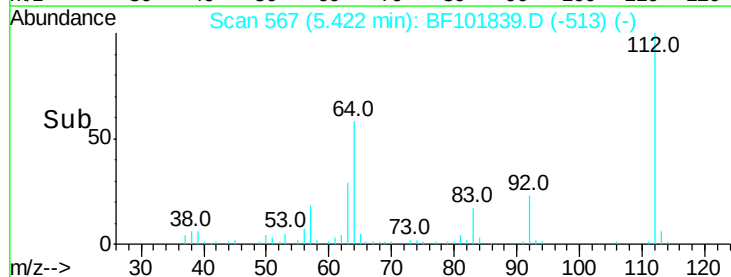
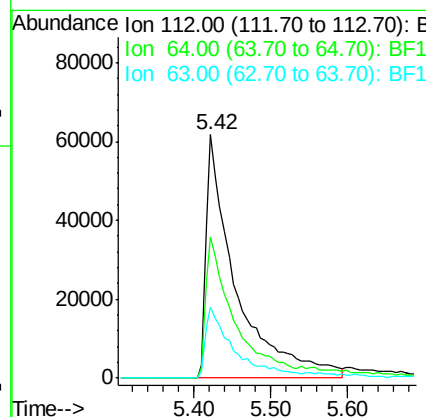
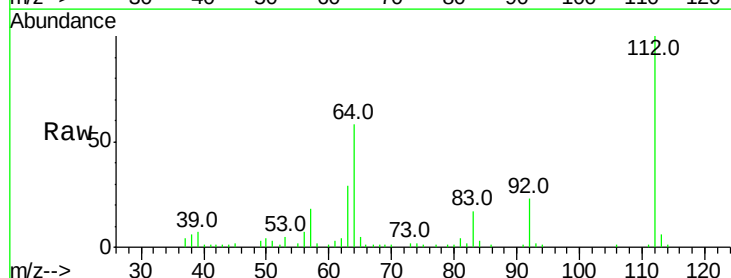
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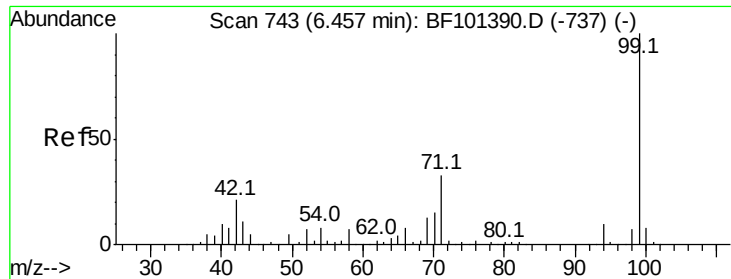


#5

2-Fluorophenol
Concen: 19.294 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 18.167 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

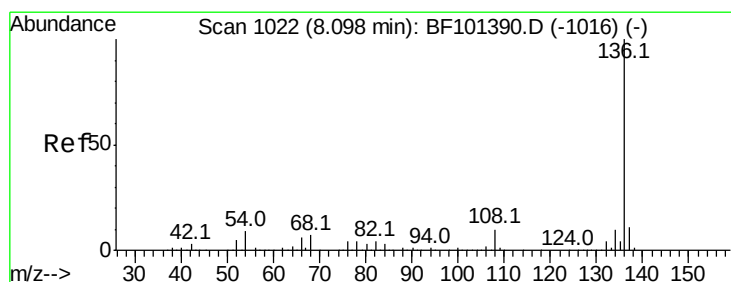
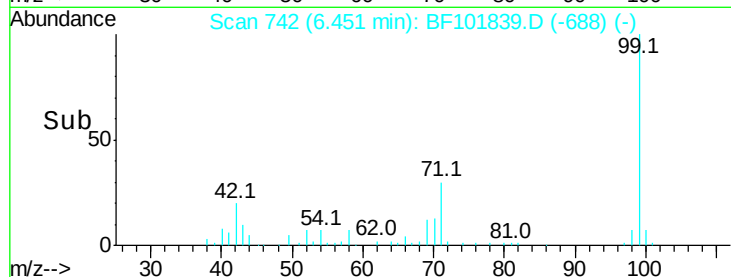
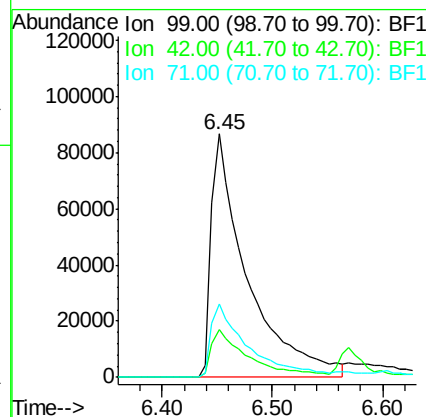
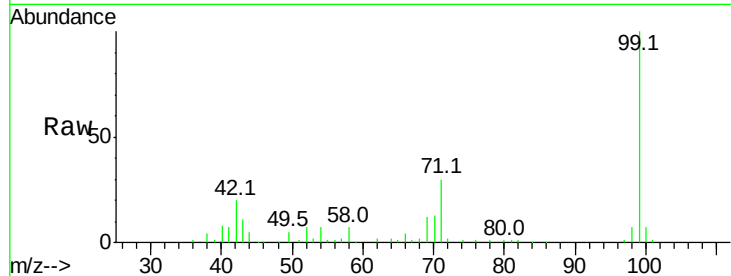
ClientSampleId :

TB-12(5.5-7.5)

Tot Ion	99	Resp	193925
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	30.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

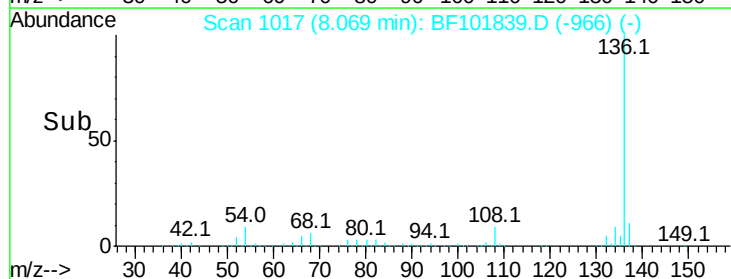
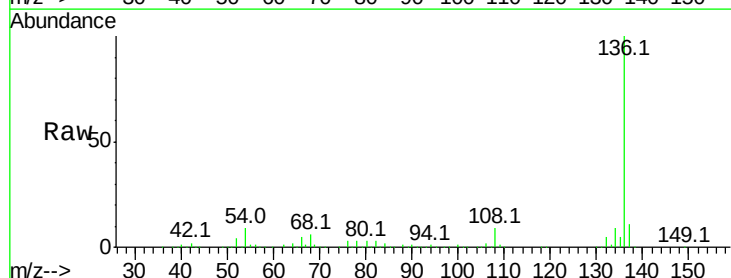
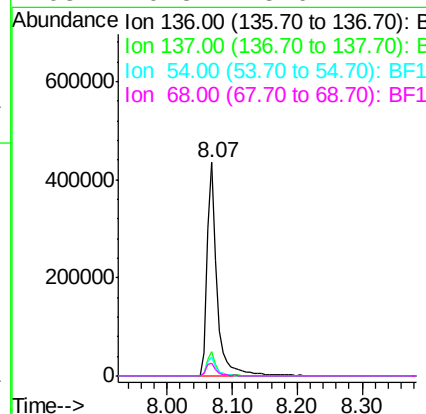
RT: 8.07 min Scan# 1017

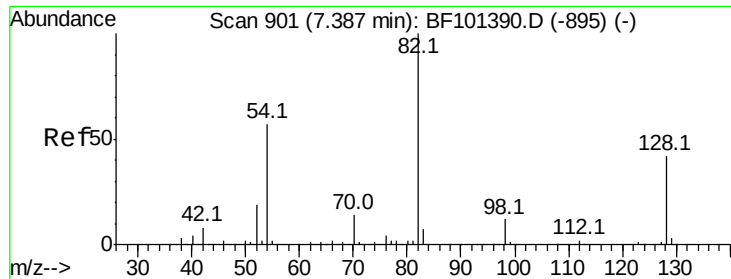
Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Tgt Ion	136	Resp	461971
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4





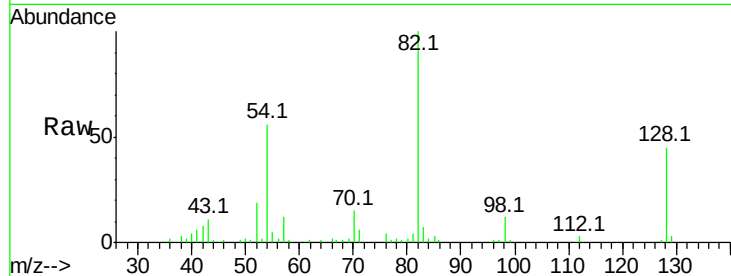
#23
Nitrobenzene-d5
Concen: 13.962 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

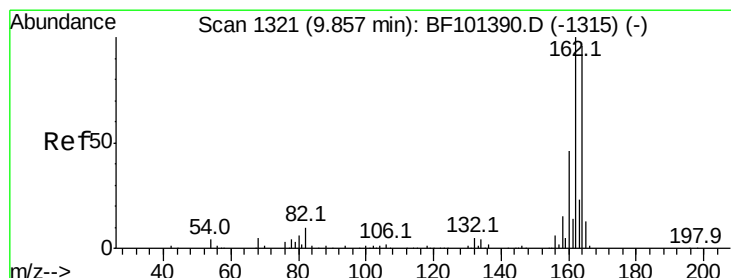
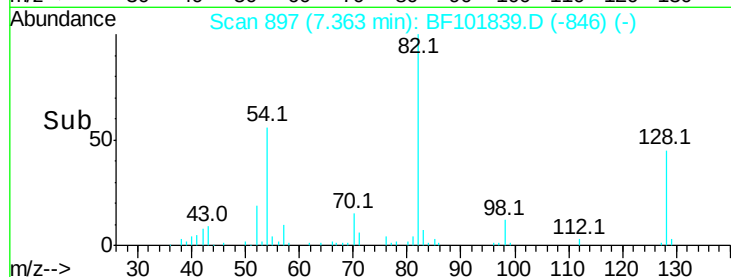
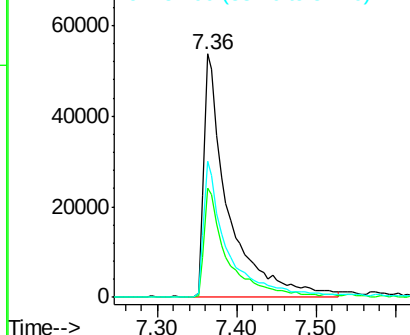
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	55.8	41.4	62.2

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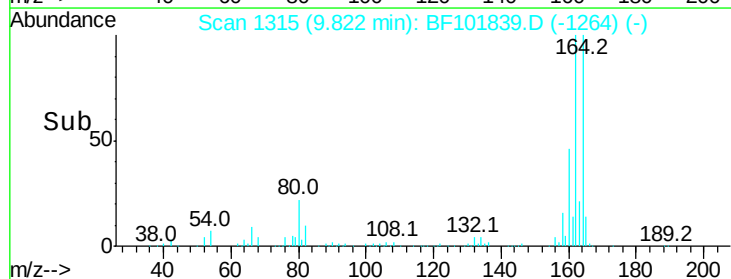
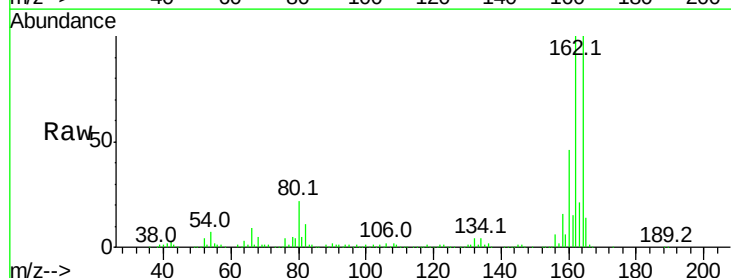
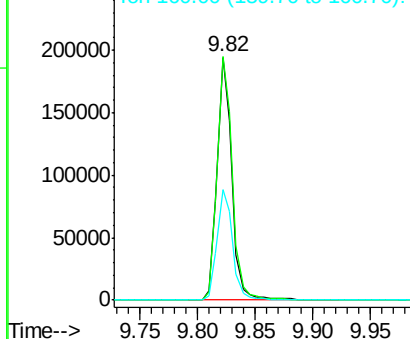
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

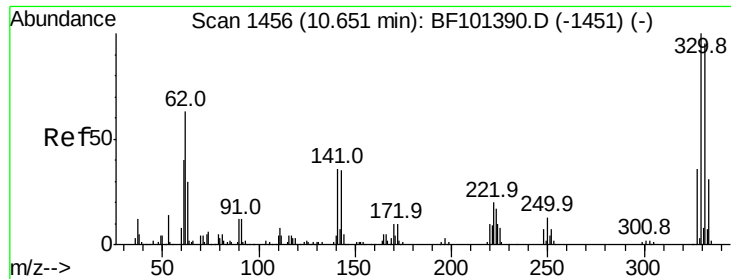


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	86.1	129.1
160	45.9	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 15.211 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

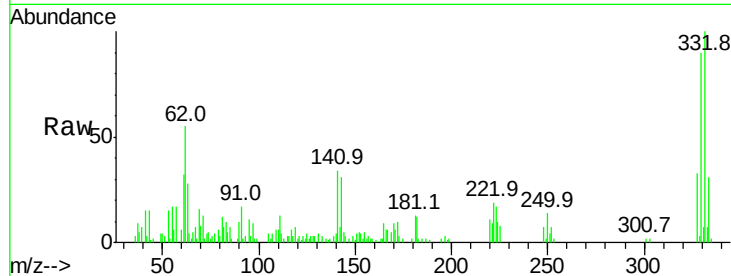
ClientSampleId :

TB-12(5.5-7.5)

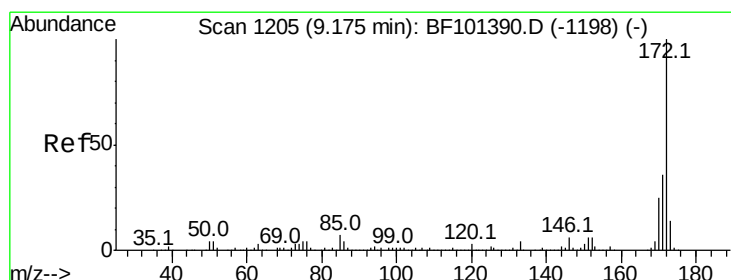
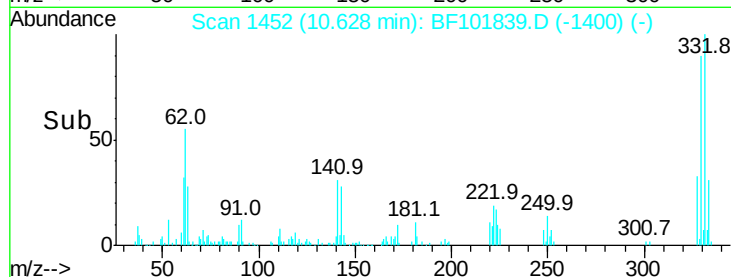
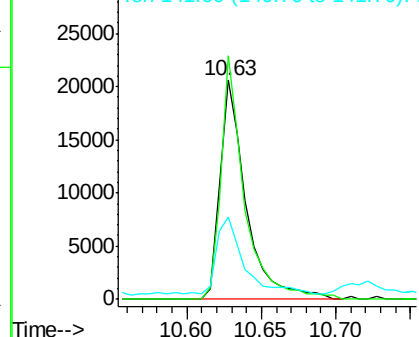
Tot Ion:	330	Resp:	25178
Ion Ratio	Lower	Upper	
330	100		
332	100.2	77.0	115.6
141	35.2	29.9	44.9

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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: 20.083 ng

RT: 9.14 min Scan# 1199

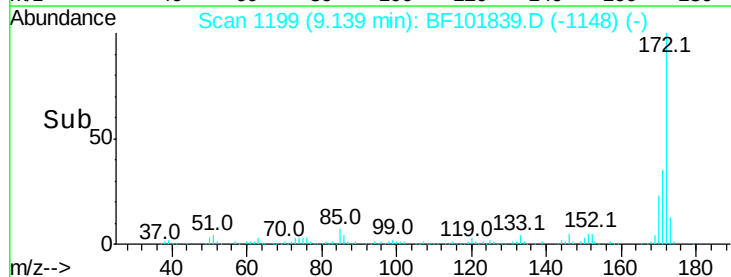
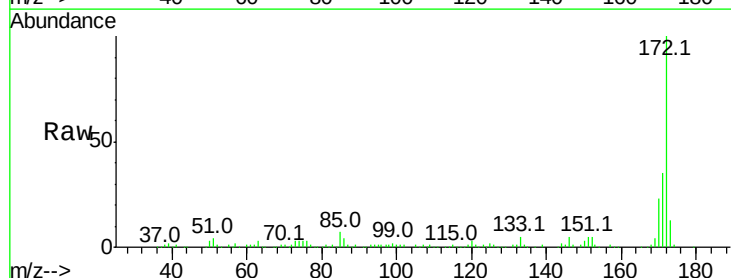
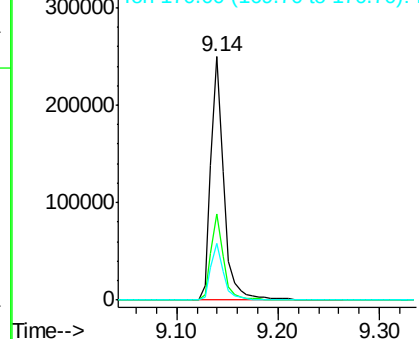
Delta R.T. 0.00 min

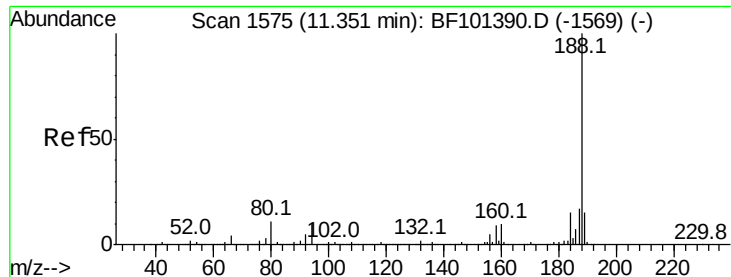
Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Tgt Ion:	172	Resp:	222399
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	23.3	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





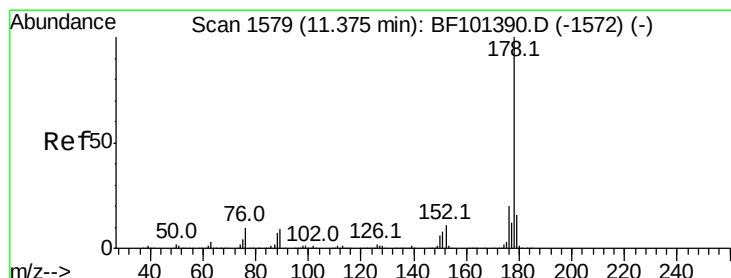
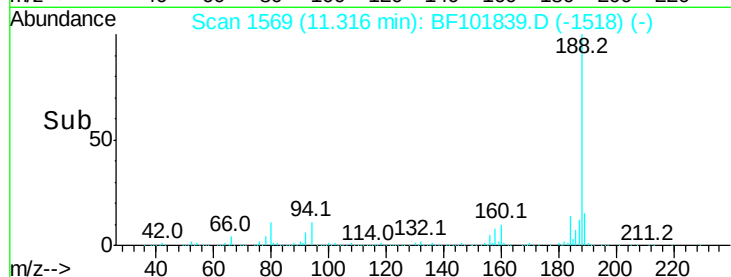
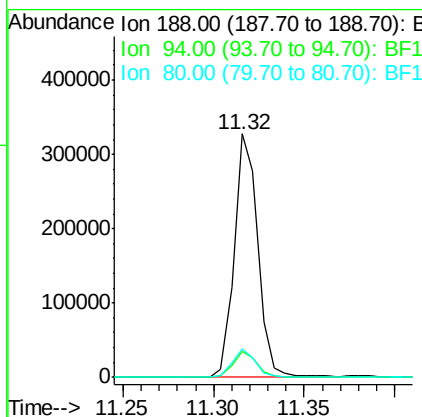
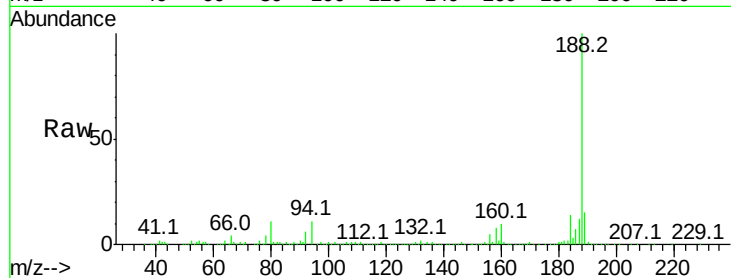
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	297402		
94	10.5		8.5	12.7
80	11.5		9.2	13.8

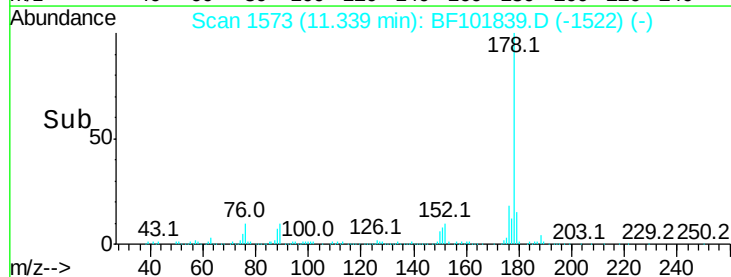
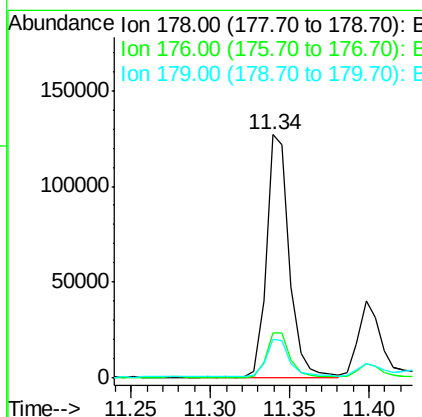
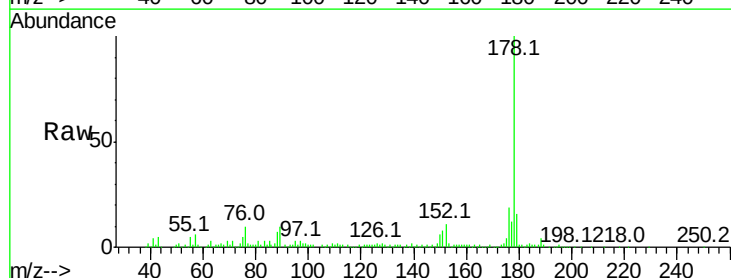
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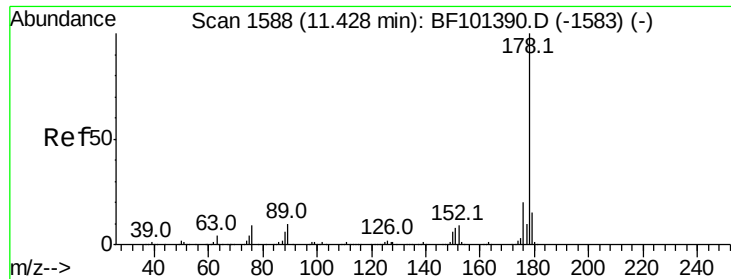
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#70
Phenanthrene
Concen: 7.750 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	128179		
176	18.7		15.8	23.8
179	16.0		13.0	19.6





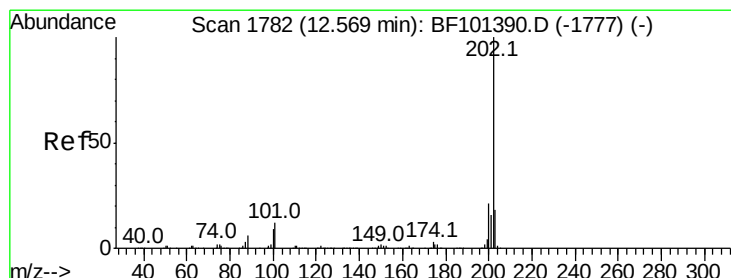
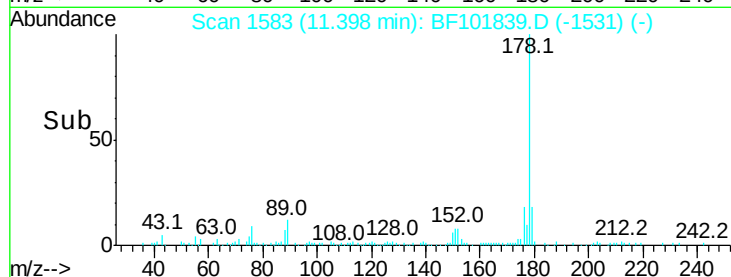
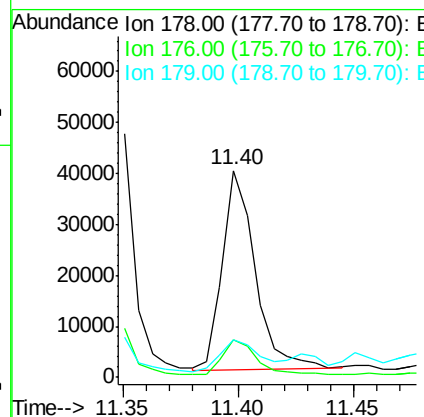
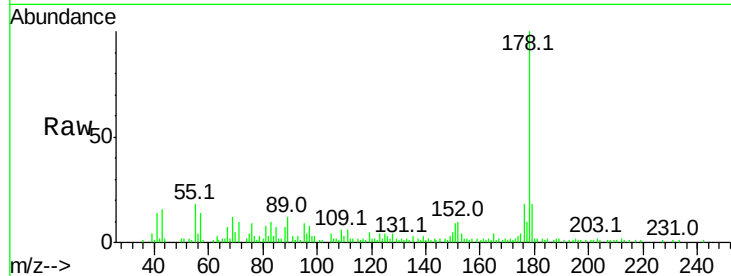
#71
 Anthracene
 Concen: 2.306 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	18.3	12.6	19.0

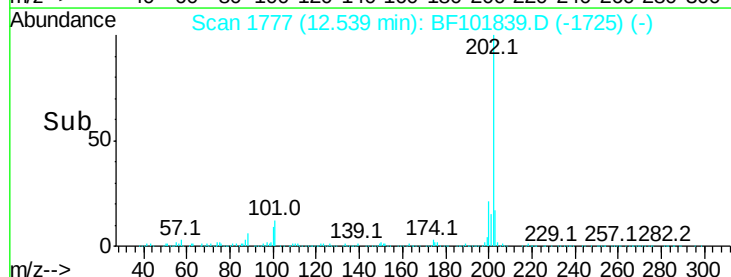
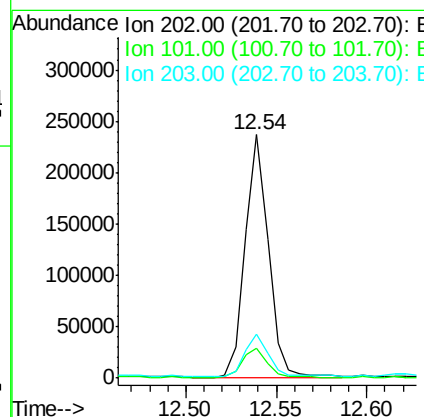
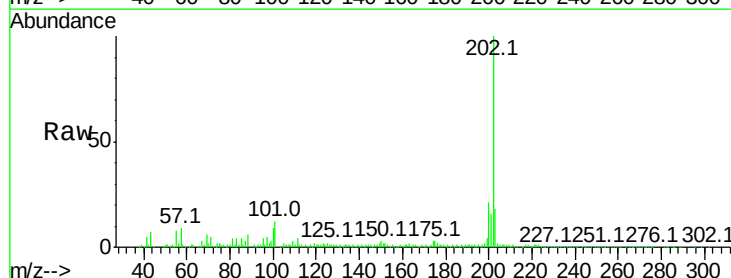
Manual Integrations
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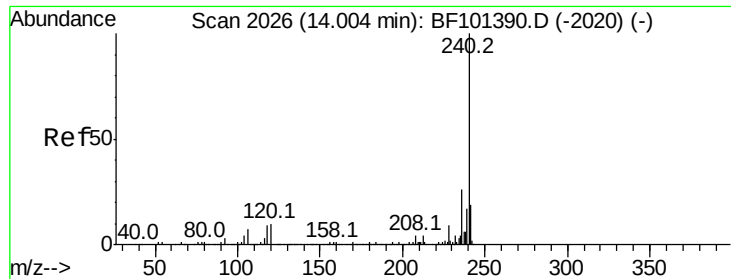
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#74
 Fluoranthene
 Concen: 12.176 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

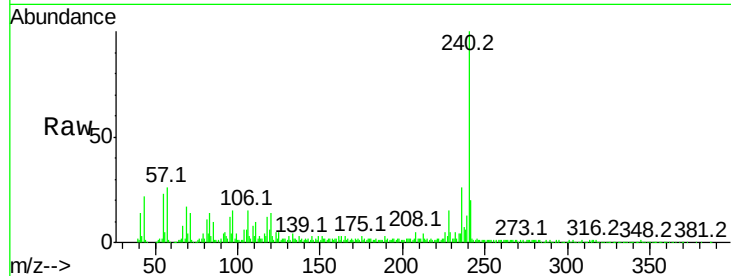
ClientSampleId :

TB-12(5.5-7.5)

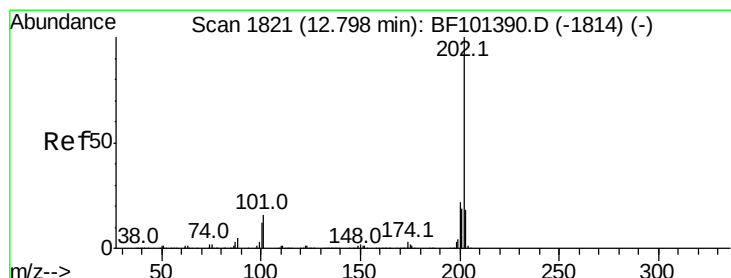
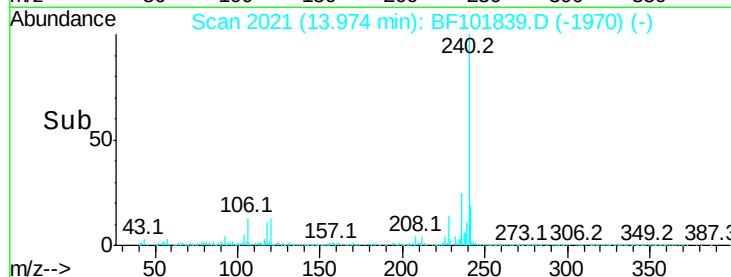
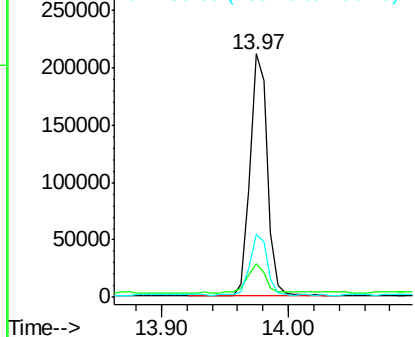
Tot Ion:	240	Resp:	203515
Ion Ratio	Lower	Upper	
240	100		
120	14.0	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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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: 13.900 ng

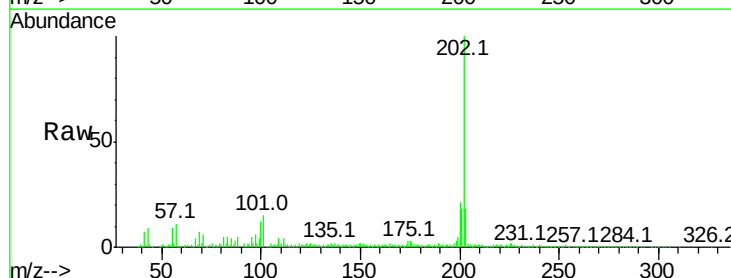
RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

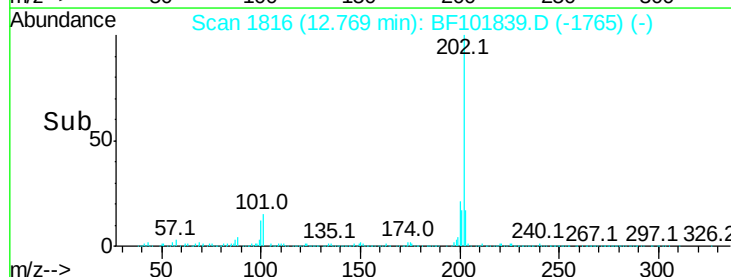
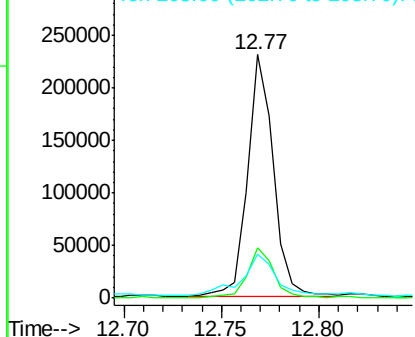
Lab File: BF101839.D

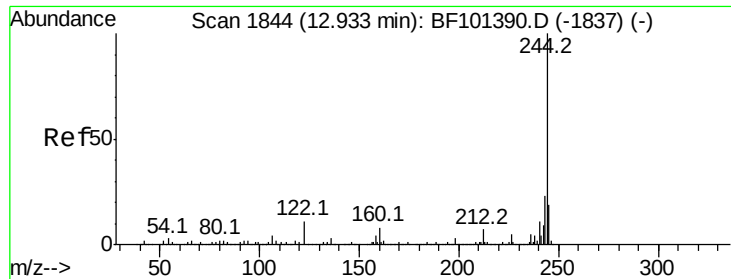
Acq: 29 Dec 2017 19:47

Tgt Ion:	202	Resp:	212302
Ion Ratio	Lower	Upper	
202	100		
200	20.9	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





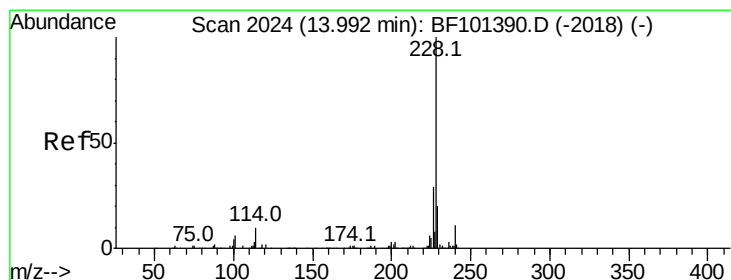
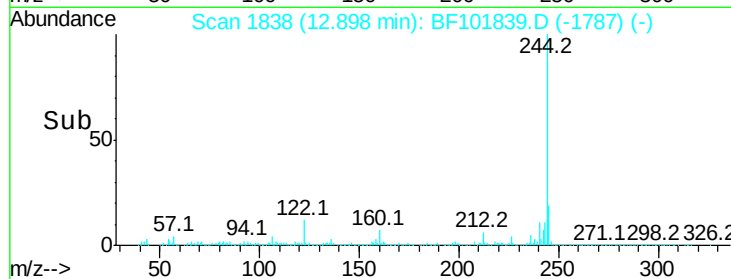
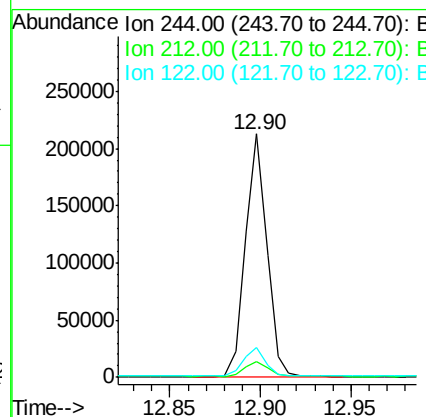
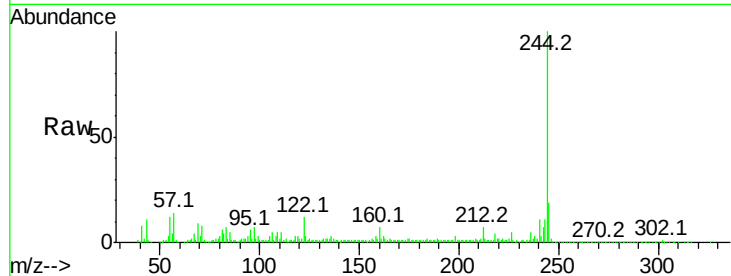
#78
 Terphenyl-d14
 Concen: 20.735 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.3	11.0	16.4

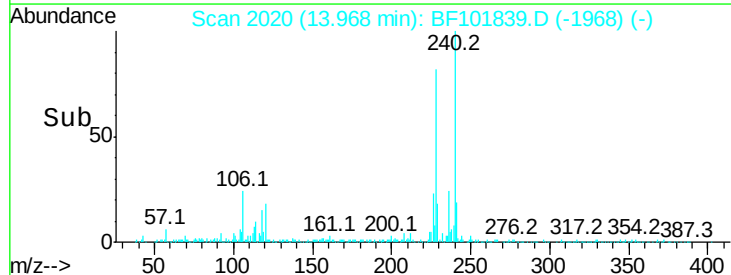
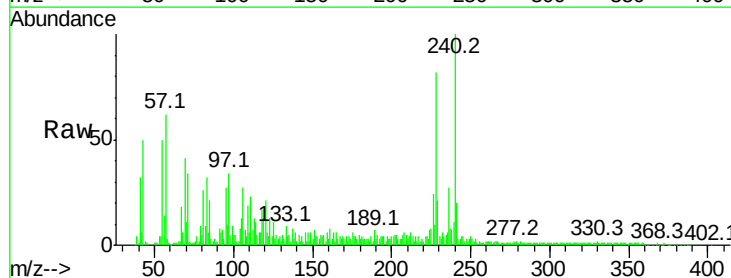
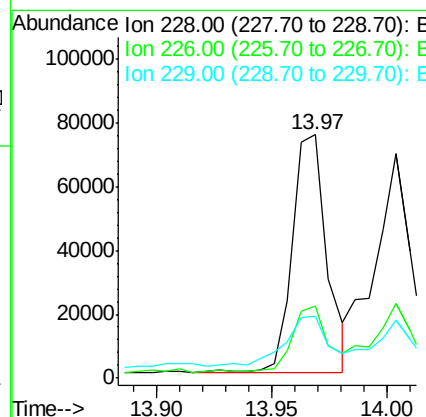
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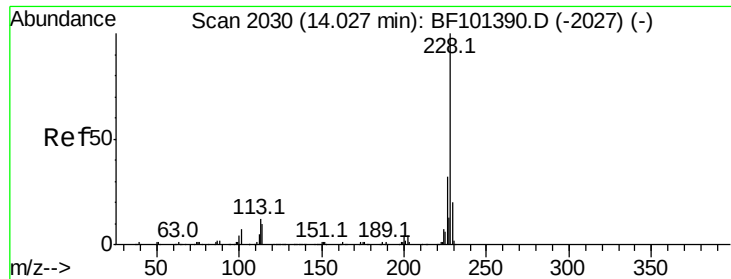
Sohil
 1/2/2018 1:05:14 PM



#80
 Benzo(a)anthracene
 Concen: 5.729 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	25.7	15.8	23.6





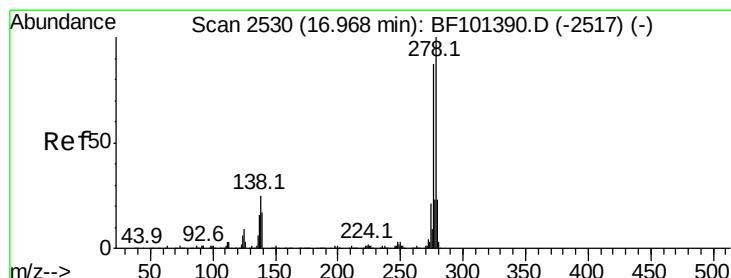
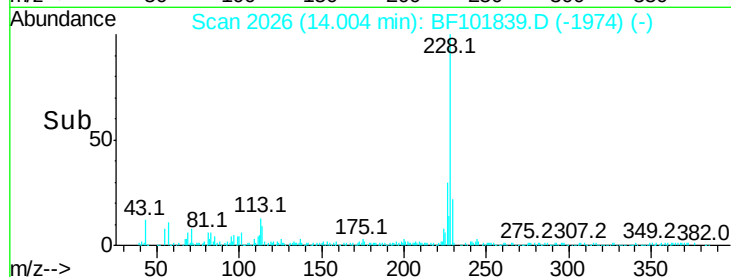
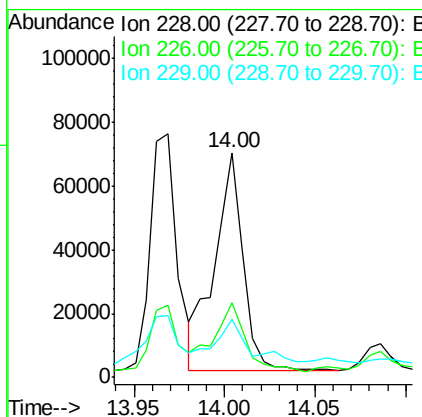
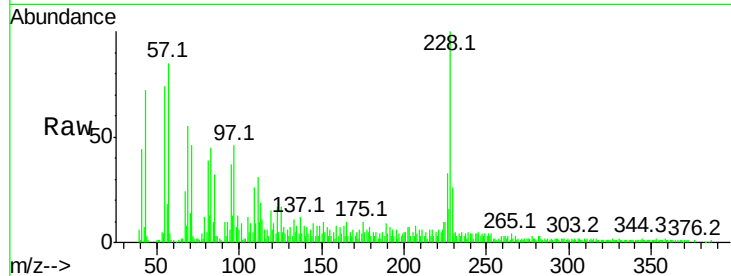
#82
Chrysene
Concen: 5.882 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.0	37.6
229	25.9	16.2	24.4

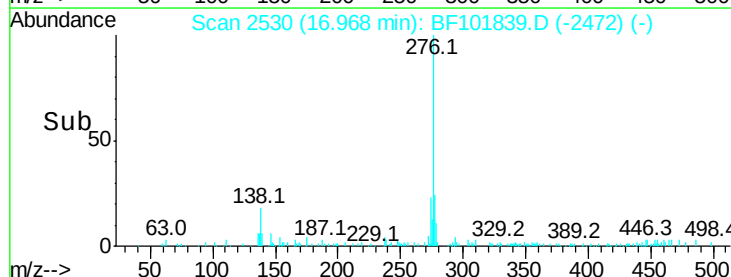
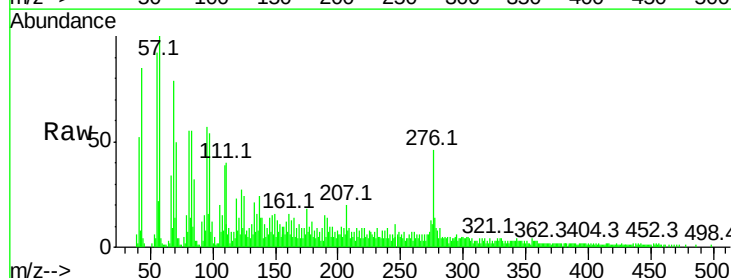
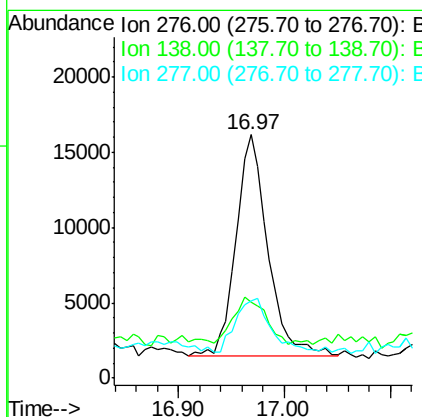
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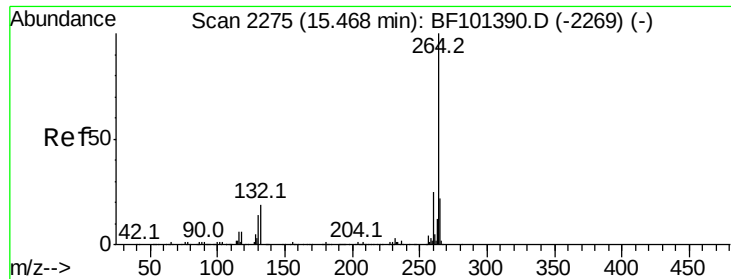
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.718 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.04 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6
277	26.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Instrument :

BNA_F

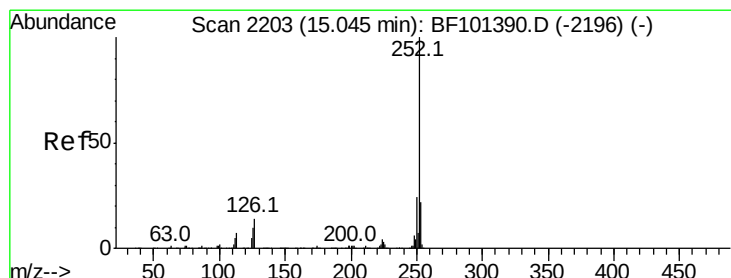
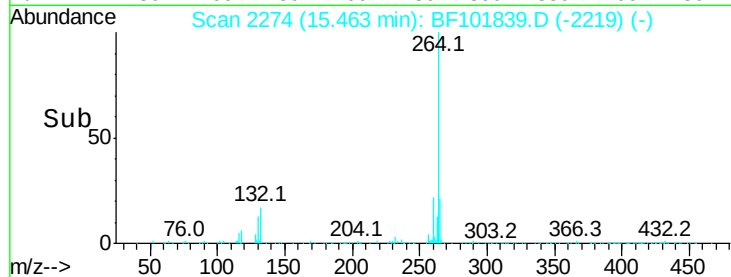
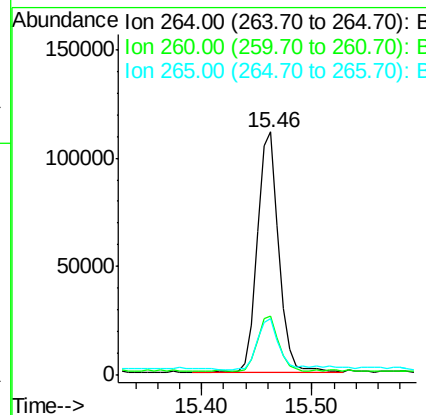
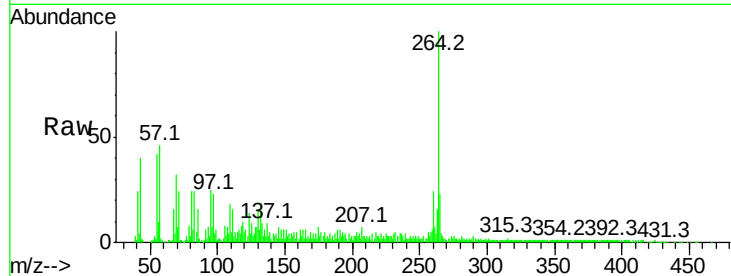
ClientSampled :

TB-12(5.5-7.5)

Tot Ion:	264	Resp:	150773
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.2	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 7.277 ng m

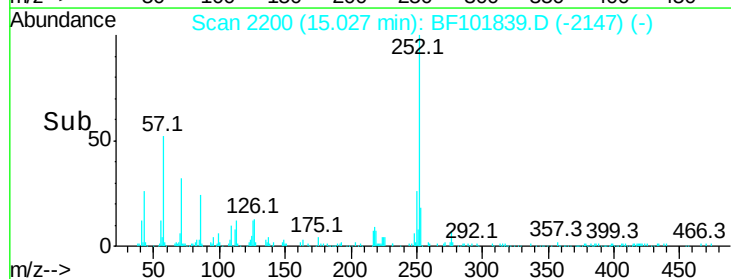
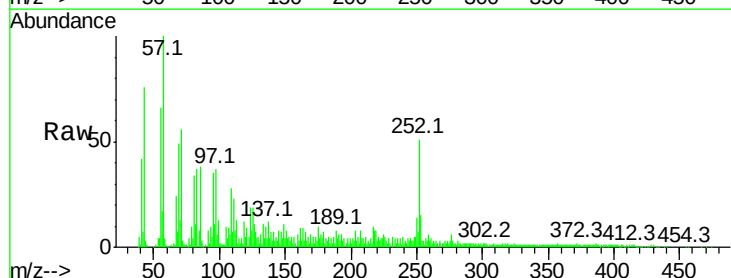
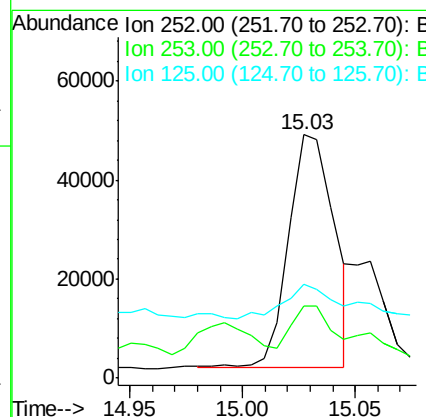
RT: 15.03 min Scan# 2200

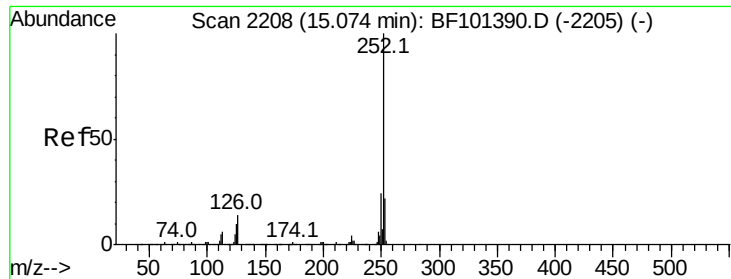
Delta R.T. 0.01 min

Lab File: BF101839.D

Acq: 29 Dec 2017 19:47

Tgt Ion:	252	Resp:	66872
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.0	25.6#
125	38.3	9.0	13.6#





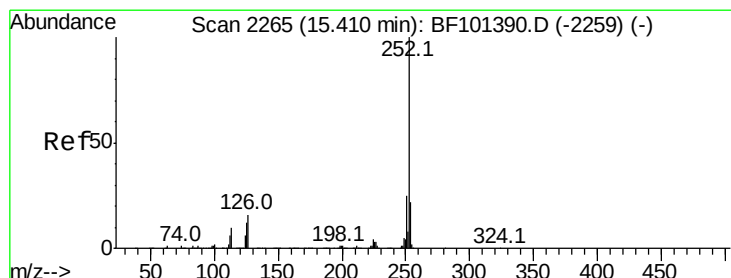
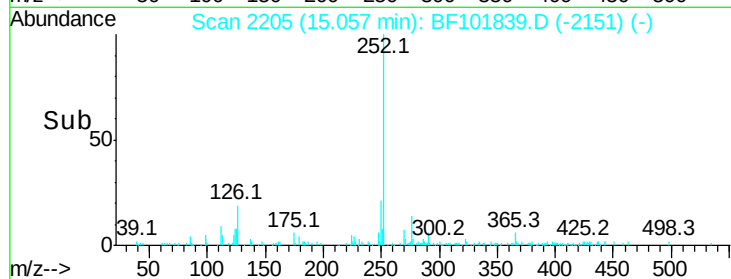
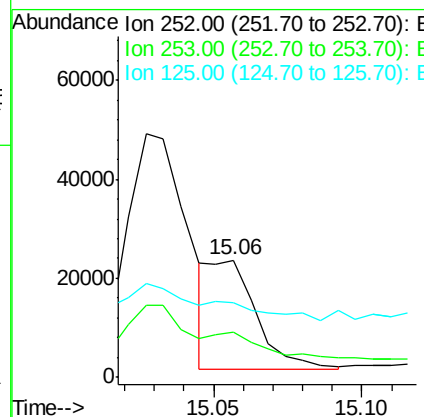
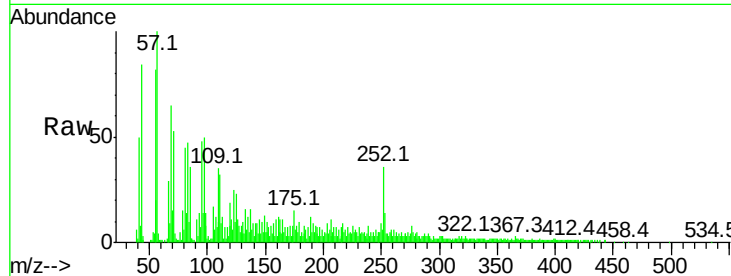
#88
Benzo(k)fluoranthene
Concen: 2.677 ng/mL
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Instrument :
BNA_F
ClientSampleId :
TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.5	17.9	26.9#
125	64.0	10.2	15.2#

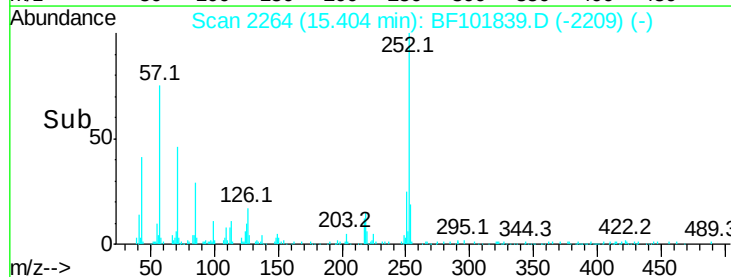
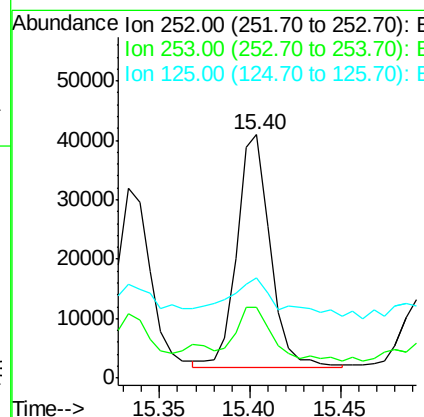
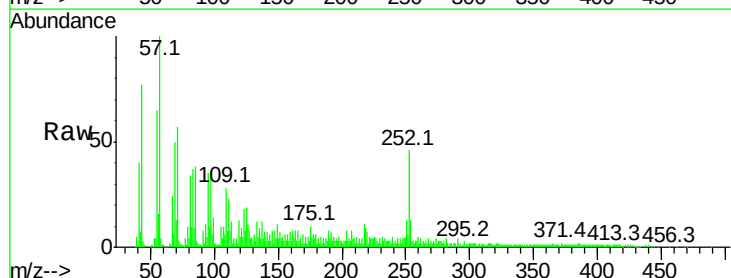
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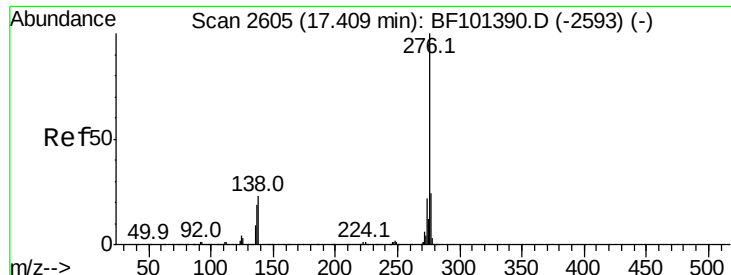
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#89
Benzo(a)pyrene
Concen: 5.891 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF101839.D
Acq: 29 Dec 2017 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.1	25.7#
125	41.1	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.452 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.06 min
 Lab File: BF101839.D
 Acq: 29 Dec 2017 19:47

Instrument :
 BNA_F
 ClientSampleId :
 TB-12(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.5	17.9	26.9#
138	38.4	21.8	32.8#

Manual Integrations
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