

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101838.D
 Acq On : 29 Dec 2017 19:20
 Operator : SJ/JU
 Sample : I7034-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-09(6-8)

Manual Integrations
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Quant Time: Dec 30 03:40:18 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	124118	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	457170	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	171288	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	290971	20.00	ng	0.00
75) Chrysene-d12	13.97	240	231940	20.00	ng	0.00
86) Perylene-d12	15.45	264	178097	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	151439	18.17	ng	0.02
7) Phenol-d6	6.45	99	192924	18.60	ng	0.02
23) Nitrobenzene-d5	7.37	82	104319	12.70	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	22310	13.52	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	207985	18.84	ng	0.00
78) Terphenyl-d14	12.90	244	169598	17.63	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	107839	4.685	ng	98
37) 2-Methylnaphthalene	8.79	142	38085	2.540	ng	98
54) Dibenzofuran	10.03	168	30157	2.151	ng	# 95
57) Fluorene	10.37	166	39782	3.355	ng	# 98
70) Phenanthrene	11.34	178	268254	16.578	ng	99
71) Anthracene	11.40	178	73996	4.477	ng	97
74) Fluoranthene	12.54	202	239387	14.094	ng	97
77) Pyrene	12.77	202	280027	16.087	ng	99
80) Benzo(a)anthracene	13.96	228	149463	9.759	ng	97
82) Chrysene	14.00	228	168973	11.685	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	29967	2.327	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	89029m	8.201	ng	
88) Benzo(k)fluoranthene	15.04	252	33549m	3.179	ng	
89) Benzo(a)pyrene	15.39	252	67700	6.765	ng	# 84
91) Benzo(a,h,i)perylene	17.42	276	28281	3.324	ng	# 79

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

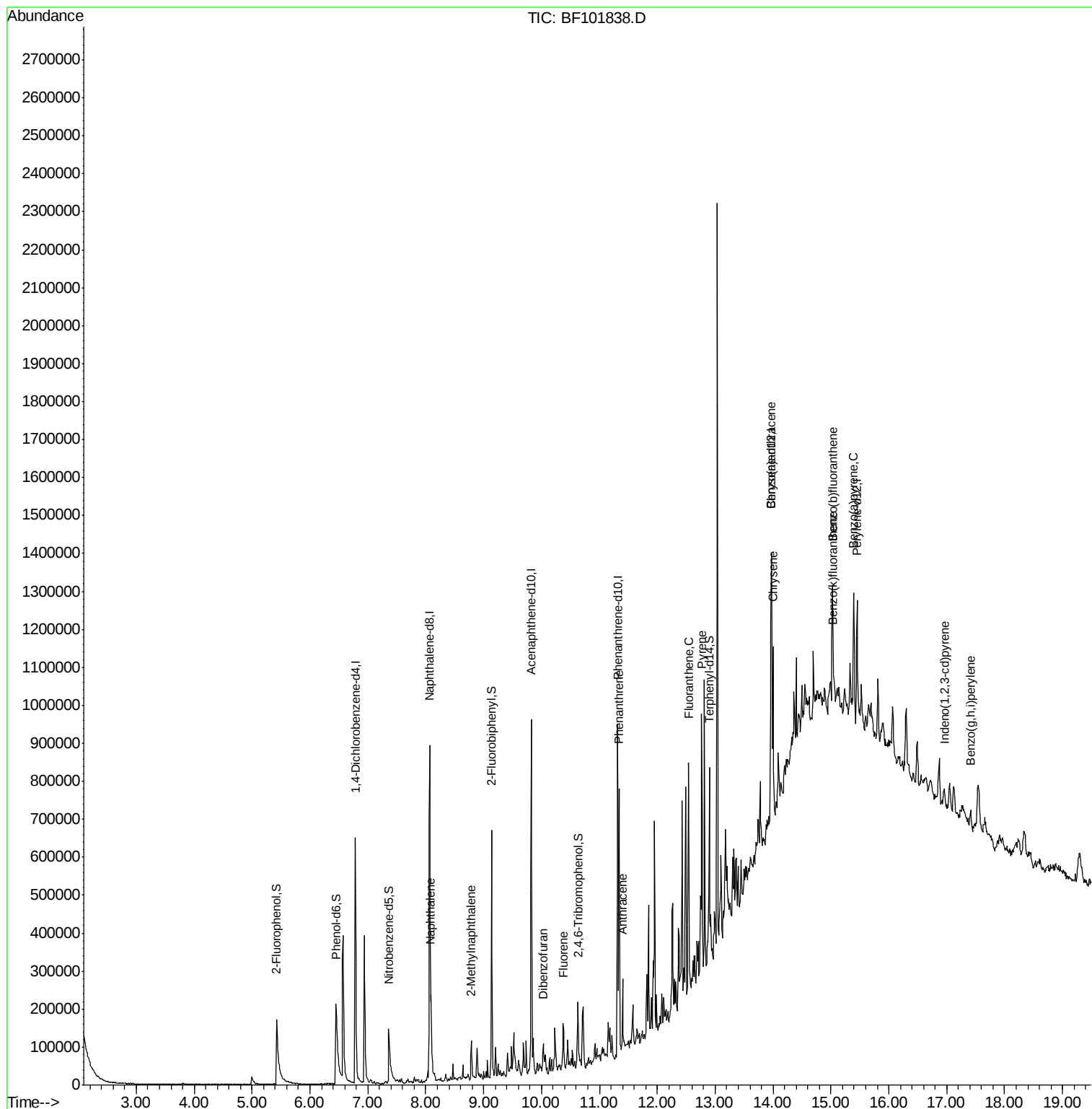
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
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#1

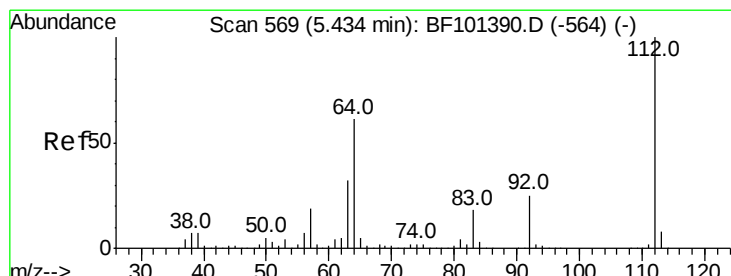
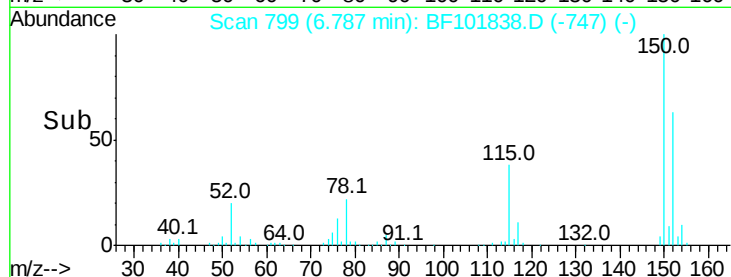
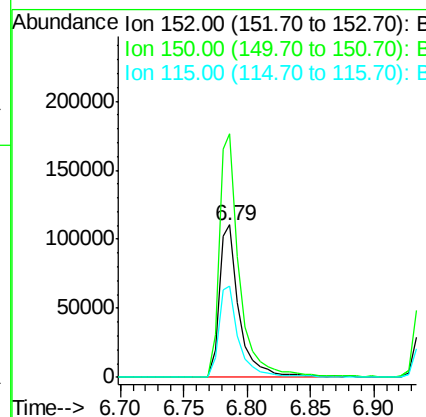
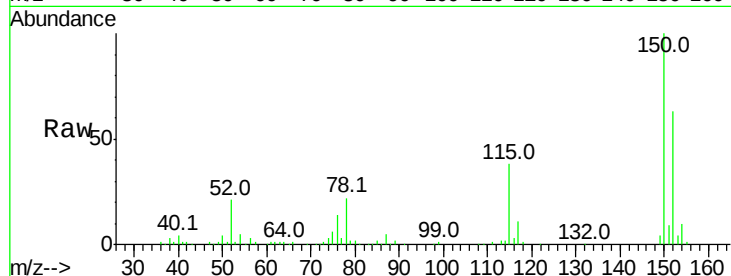
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.01 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	60.1	50.1	75.1

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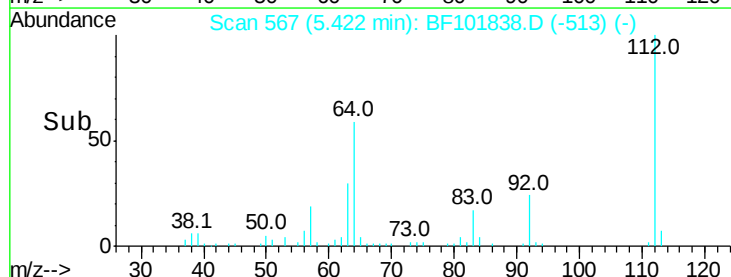
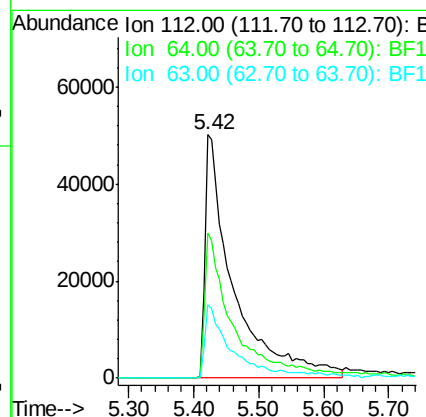
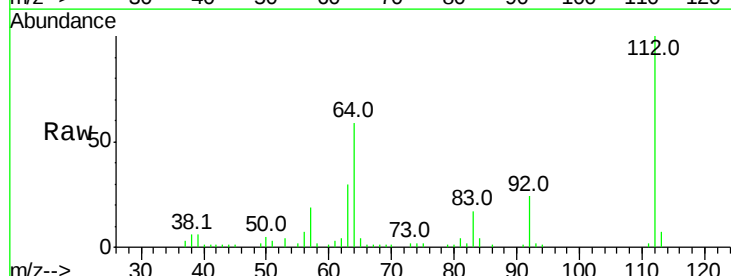
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#5

2-Fluorophenol
 Concen: 18.175 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 18.604 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Instrument :

BNA_F

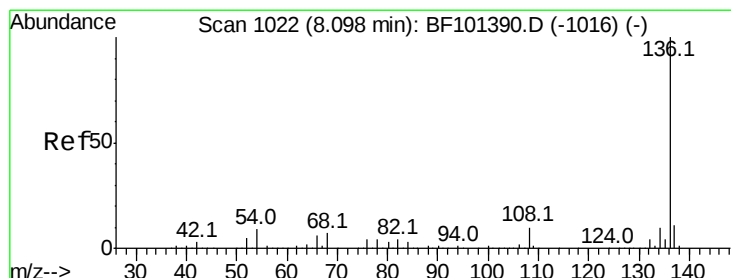
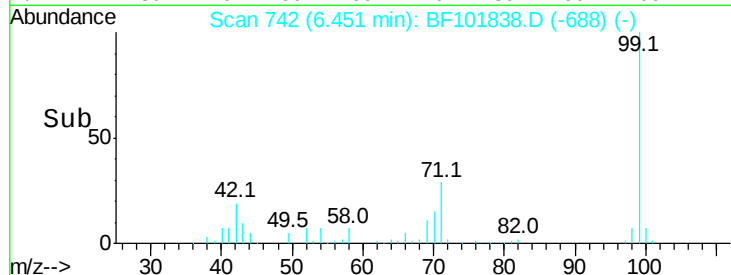
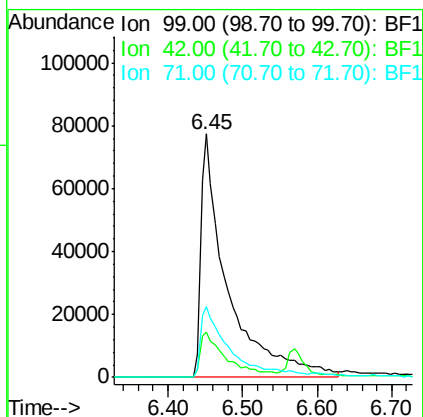
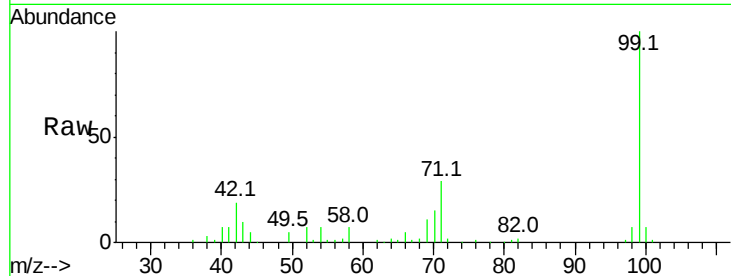
ClientSampled :

TB-09(6-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		192924		
42	18.5	14.5	21.7		
71	28.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

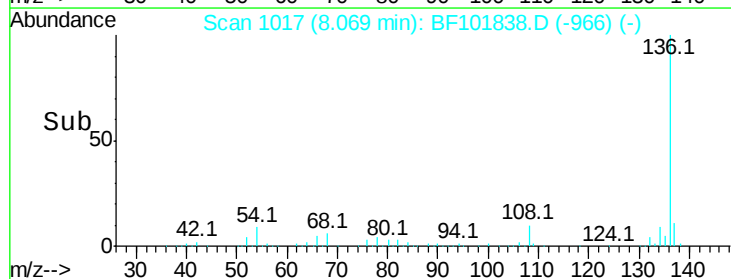
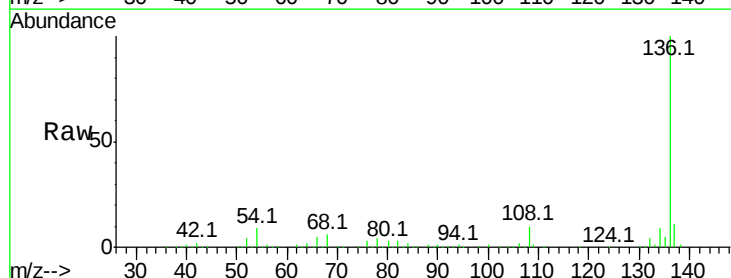
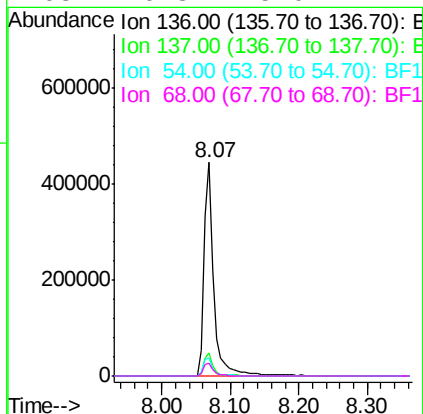
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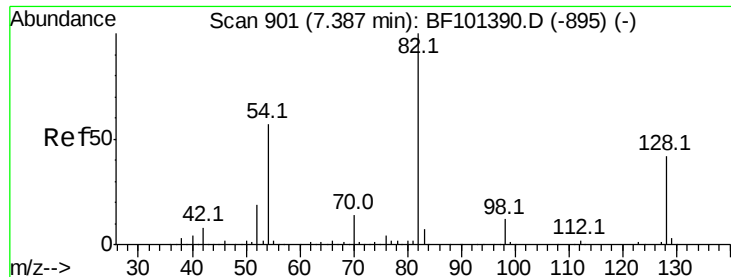
Delta R.T. 0.00 min

Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		457170		
137	10.9	8.9	13.3		
54	8.5	6.6	9.8		
68	6.3	5.0	7.4		





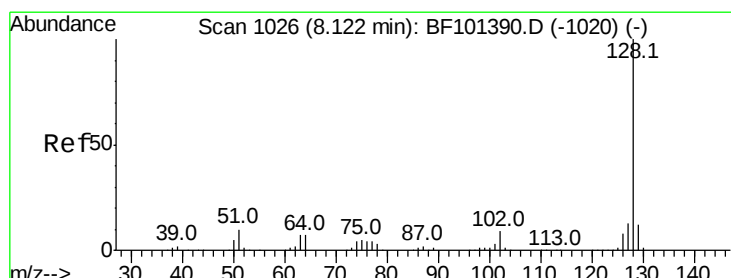
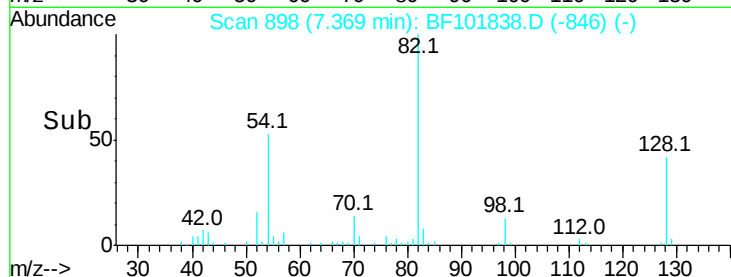
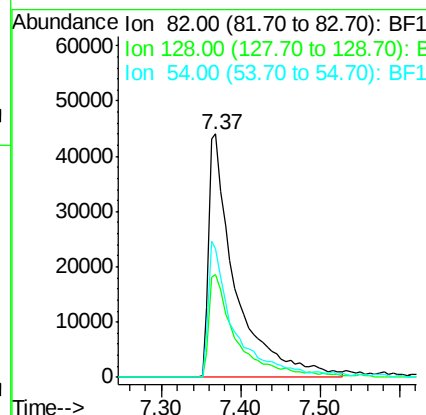
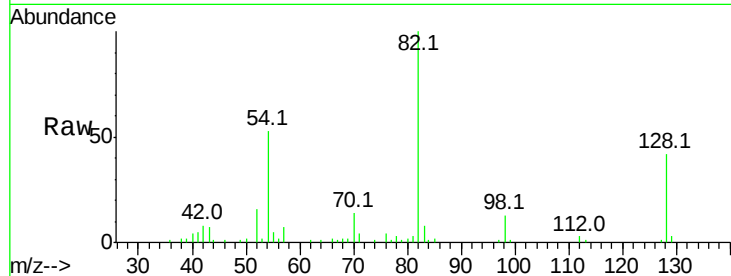
#23
Nitrobenzene-d5
Concen: 12.702 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	52.7	41.4	62.2

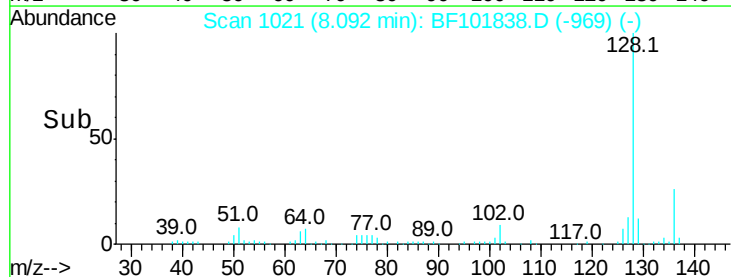
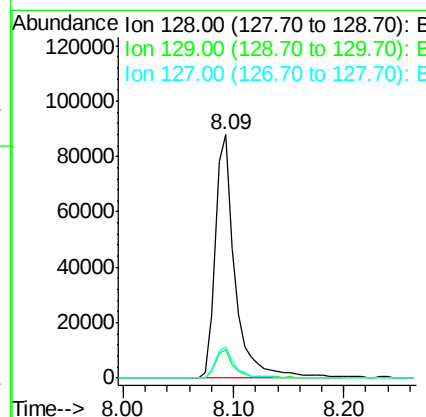
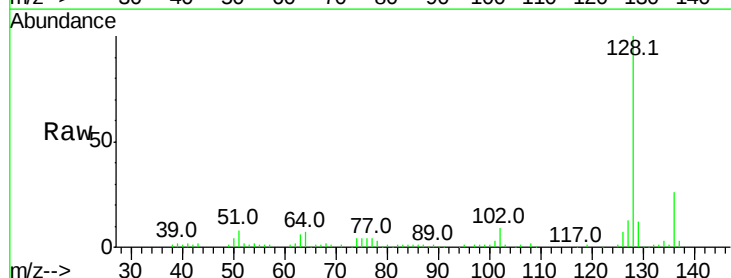
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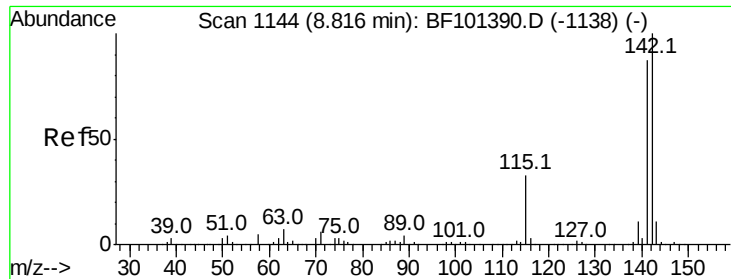
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#31
Naphthalene
Concen: 4.685 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.0	10.9	16.3





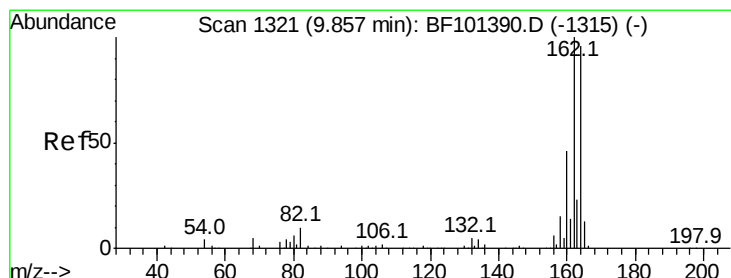
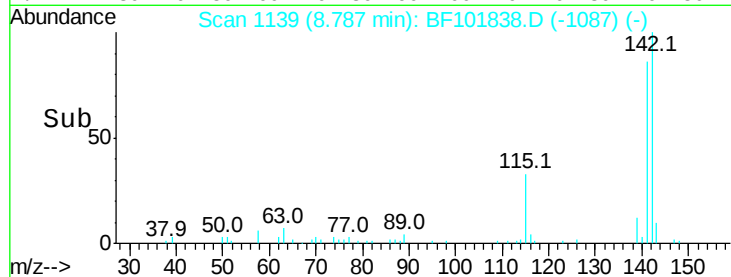
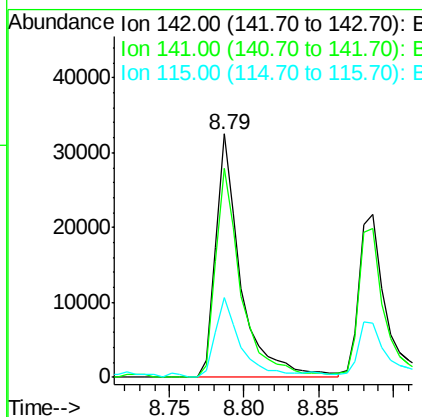
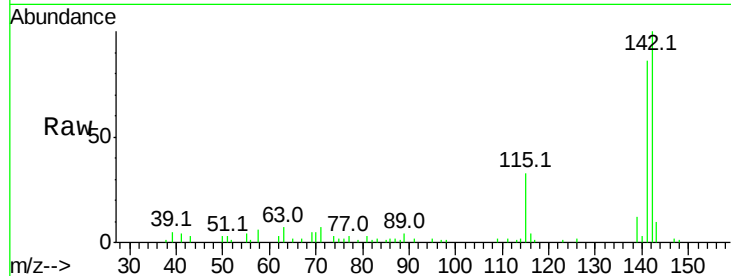
#37
2-Methylnaphthalene
Concen: 2.540 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.8	106.2
115	32.5	26.1	39.1

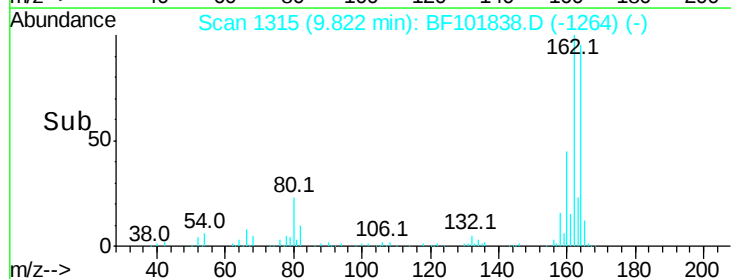
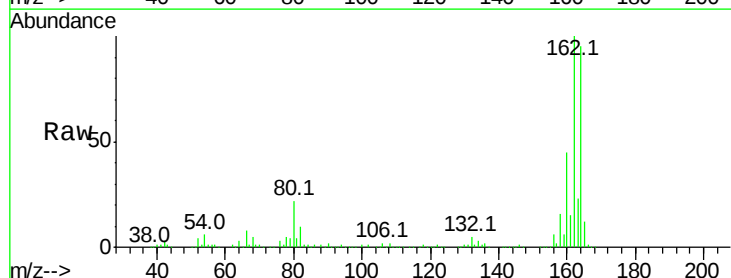
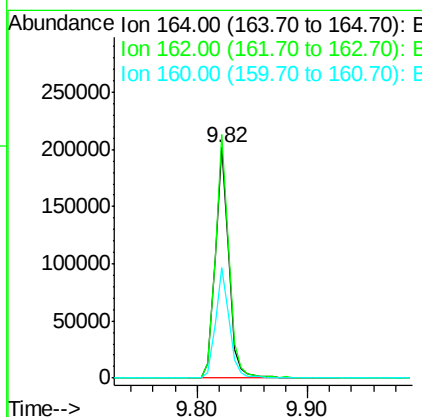
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	47.8	38.3	57.5





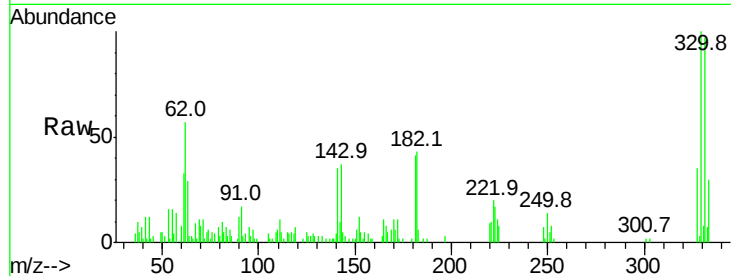
#41
 2,4,6-Tribromophenol
 Concen: 13.517 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-09(6-8)

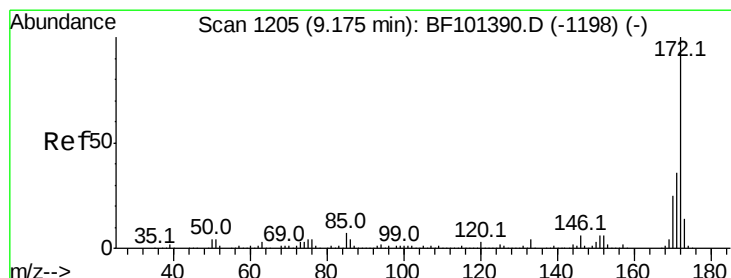
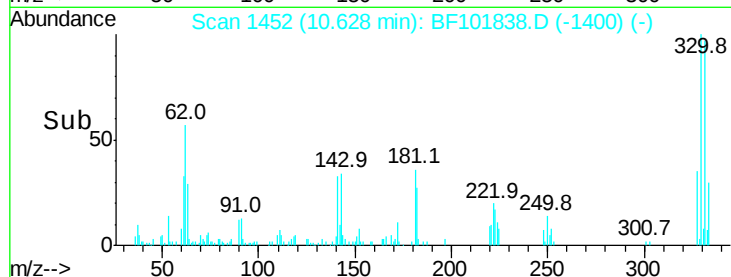
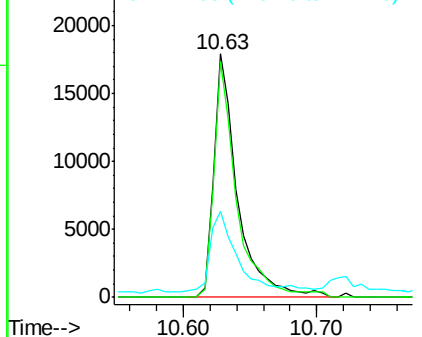
Tot Ion	Ratio	Resp	Lower	Upper
330	100	22310		
332	91.8	77.0	115.6	
141	39.4	29.9	44.9	

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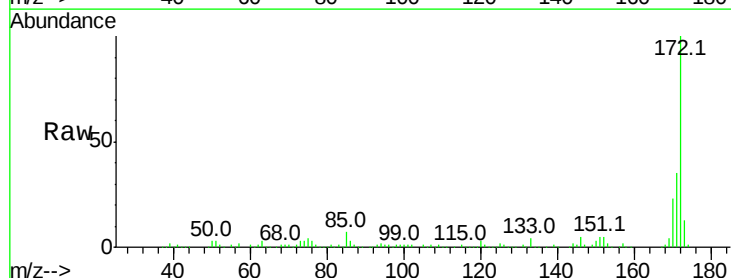


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

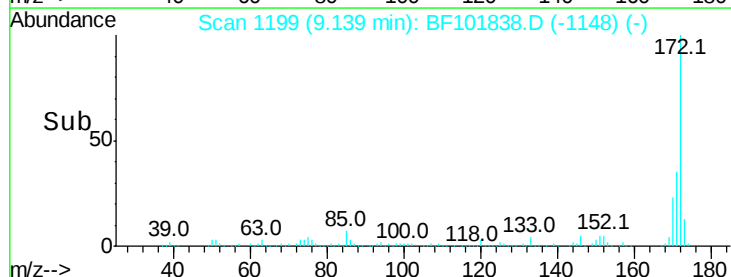
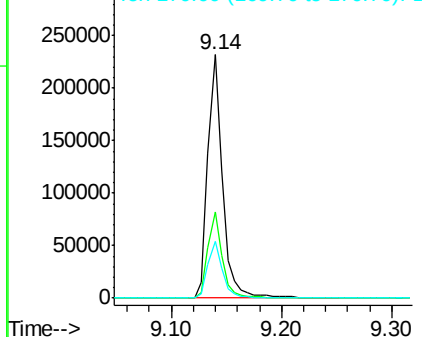


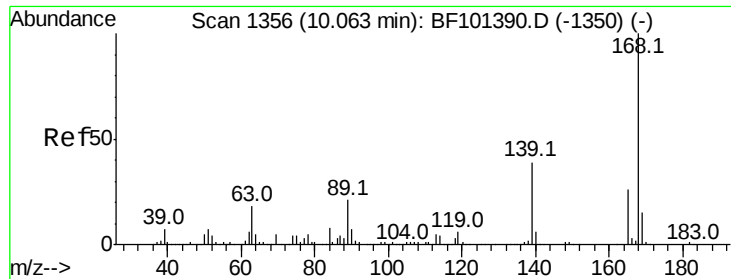
#44
 2-Fluorobiphenyl
 Concen: 18.836 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	207985		
171	35.3	29.7	44.5	
170	23.5	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





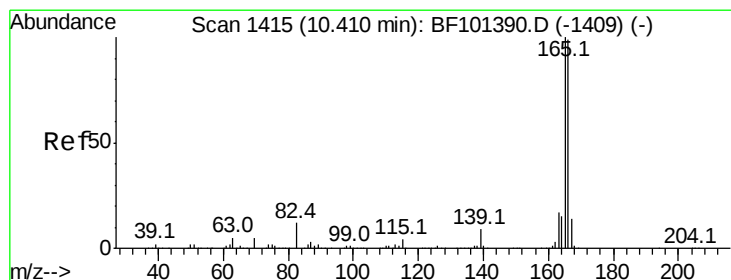
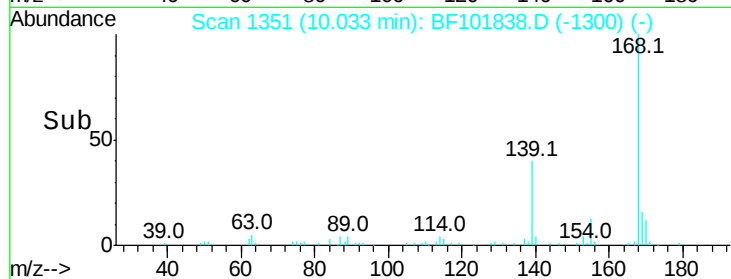
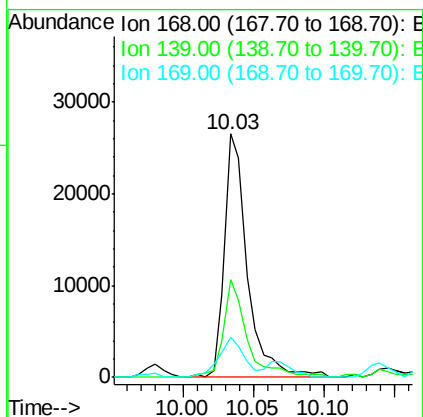
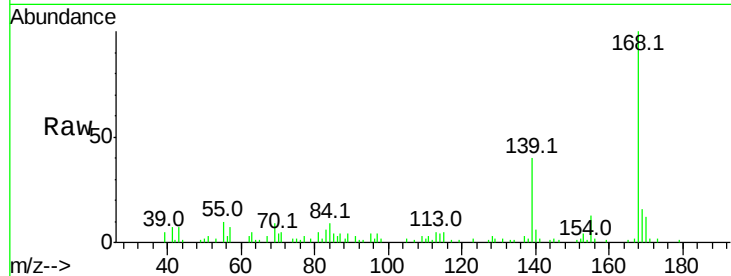
#54
Dibenzenofuran
Concen: 2.151 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampled :
TB-09(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.9	30.1	45.1	
169	16.5	10.9	16.3	

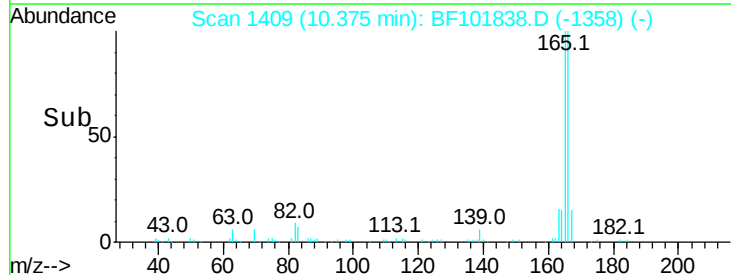
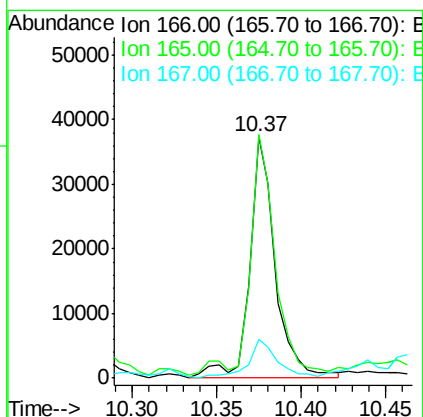
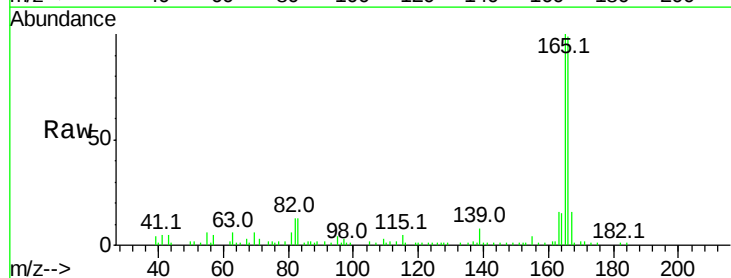
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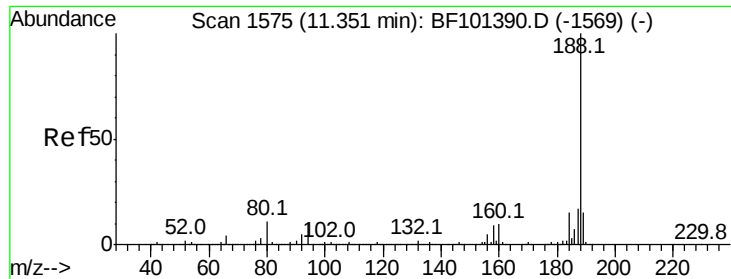
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#57
Fluorene
Concen: 3.355 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.8	79.8	119.8	
167	16.0	10.6	16.0	





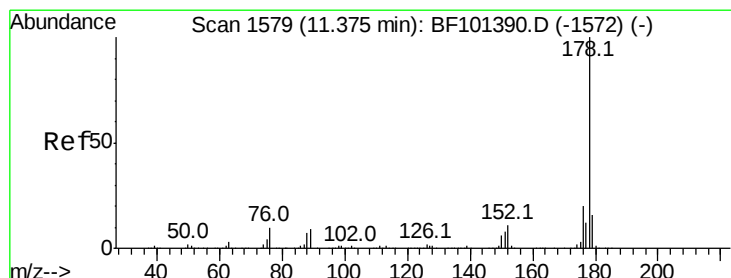
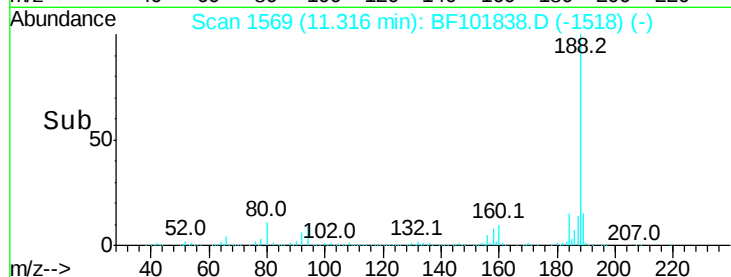
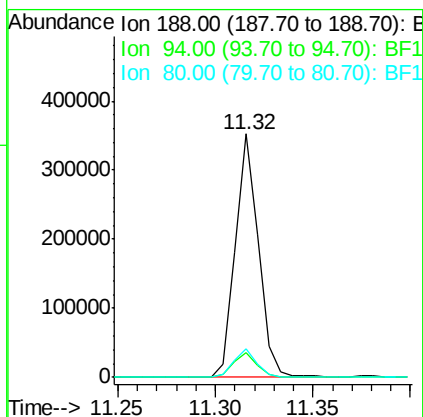
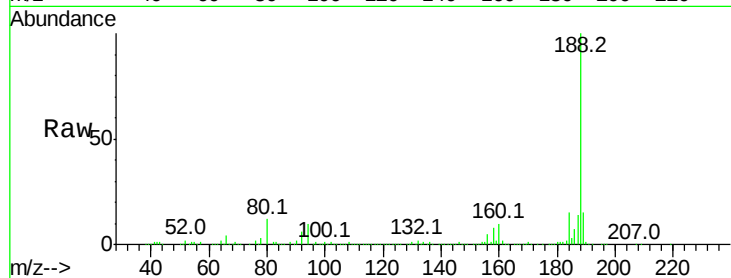
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	290971		
94	10.4		8.5	12.7
80	11.5		9.2	13.8

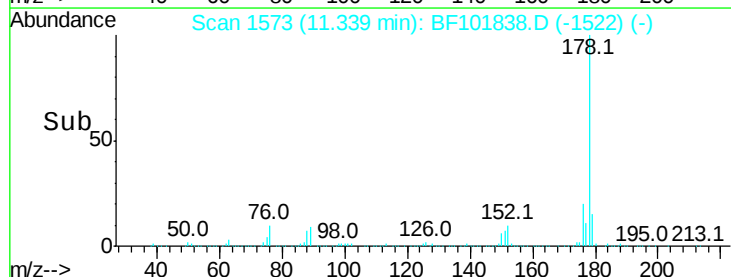
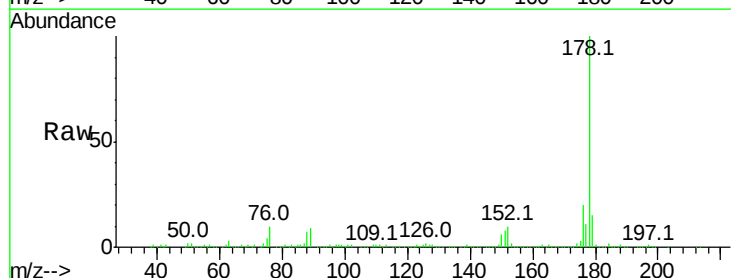
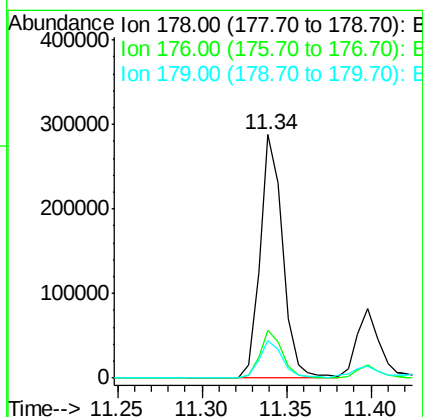
Manual Integrations
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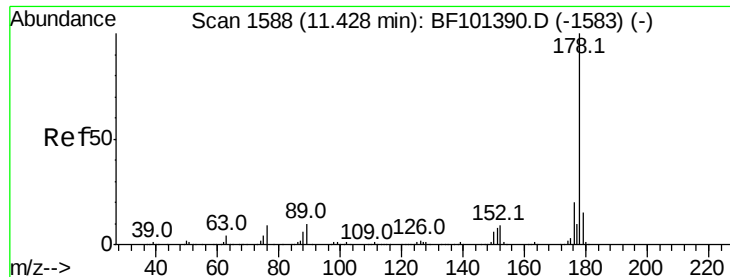
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#70
Phenanthrene
Concen: 16.578 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	268254		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





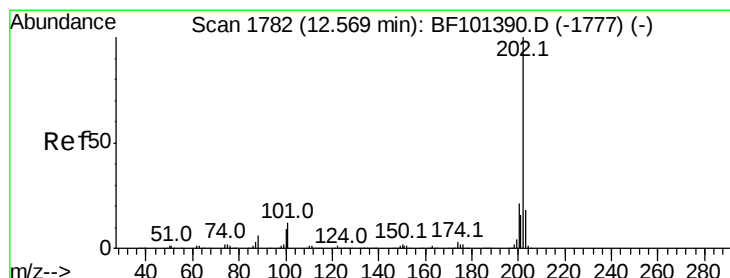
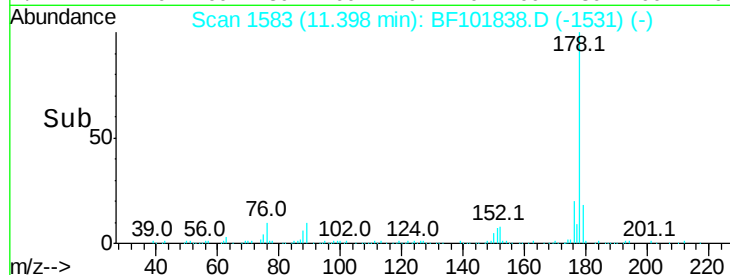
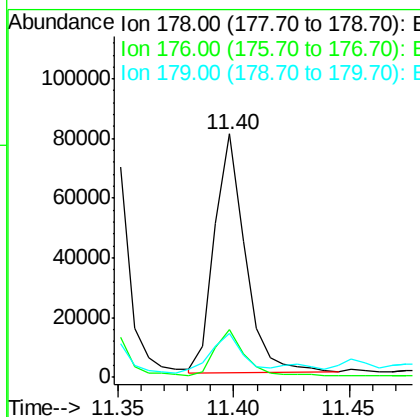
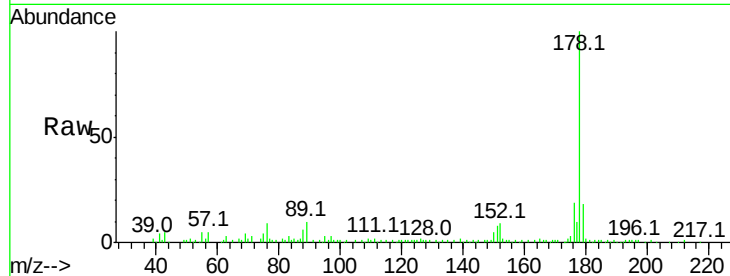
#71
 Anthracene
 Concen: 4.477 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	18.1	12.6	19.0

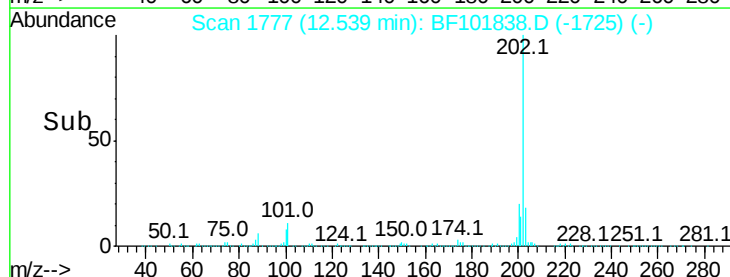
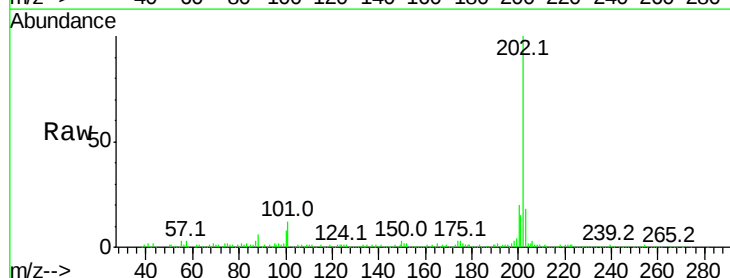
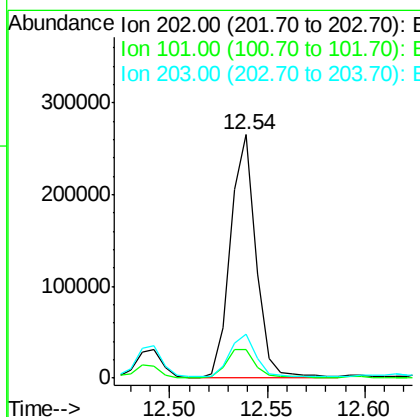
Manual Integrations
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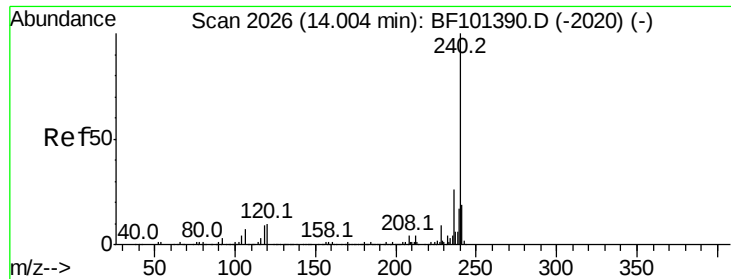
Sohil
 1/2/2018 1:05:12 PM



#74
 Fluoranthene
 Concen: 14.094 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101838.D
 Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	18.0	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: BF101838.D

Acq: 29 Dec 2017 19:20

Instrument :

BNA_F

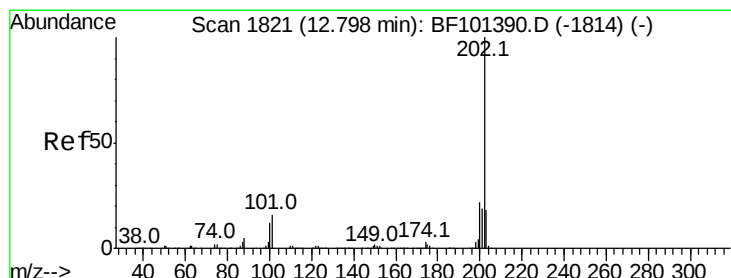
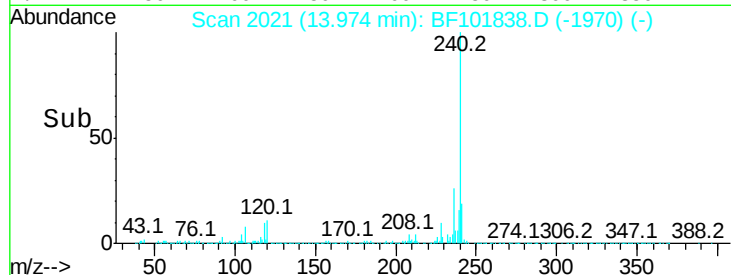
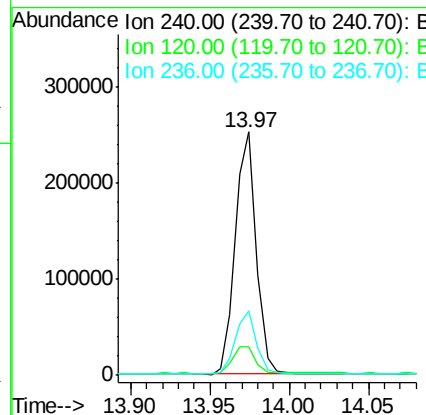
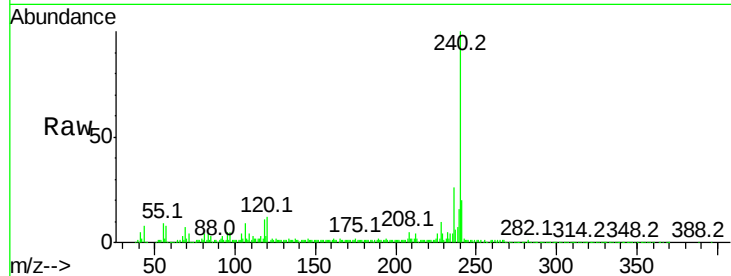
ClientSampled :

TB-09(6-8)

Tot Ion:	240	Resp:	231940
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 16.087 ng

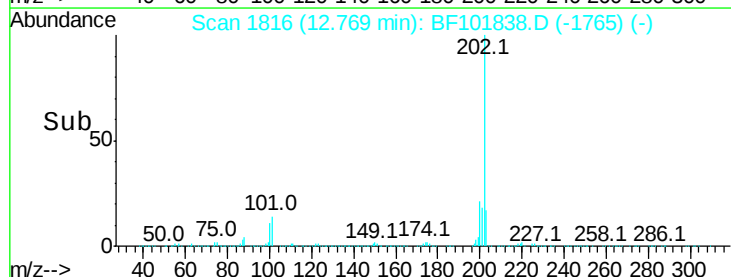
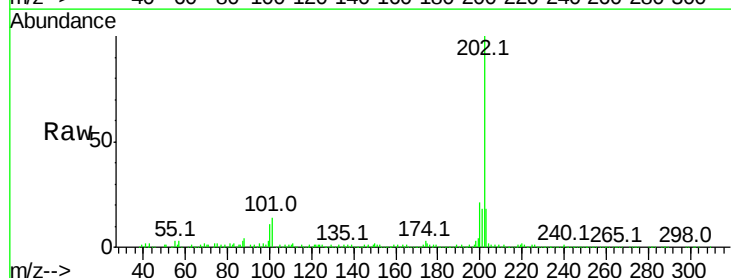
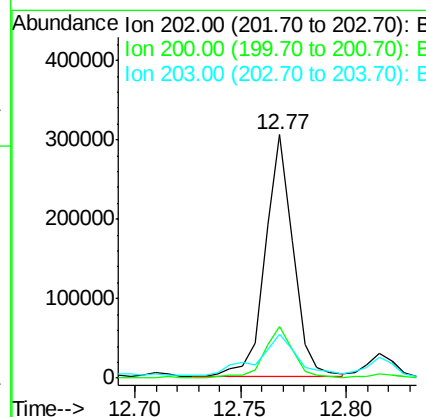
RT: 12.77 min Scan# 1816

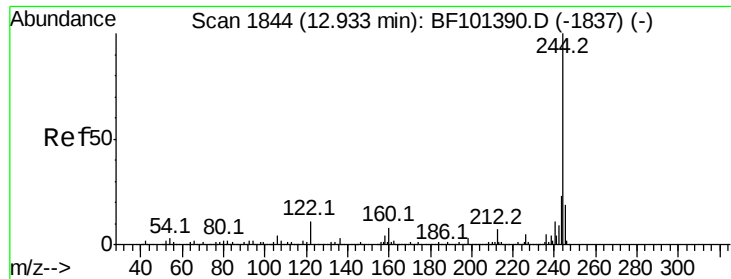
Delta R.T. 0.00 min

Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Tgt Ion:	202	Resp:	280027
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 17.628 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Instrument :

BNA_F

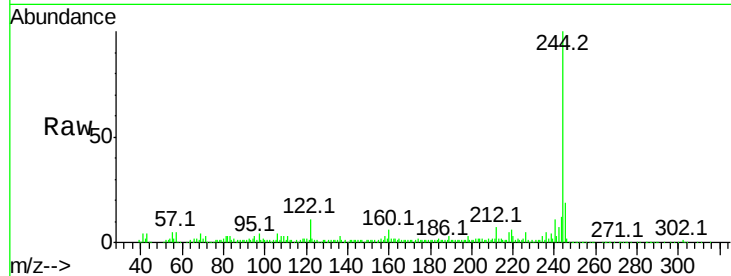
ClientSampleId :

TB-09(6-8)

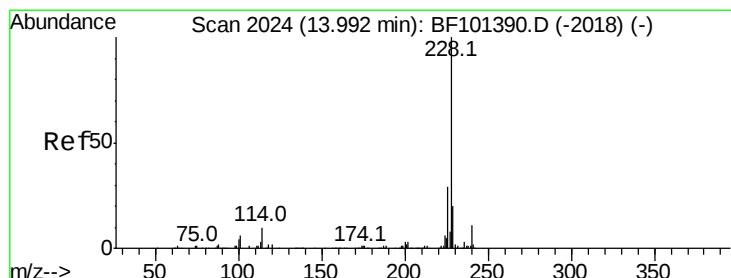
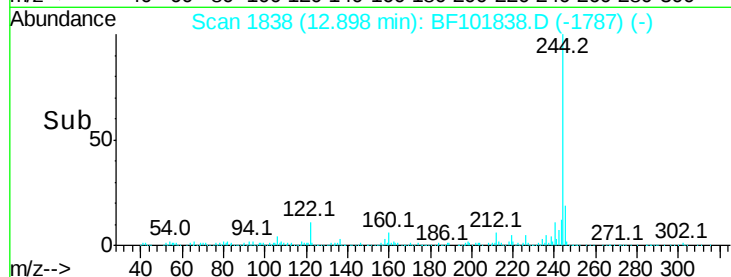
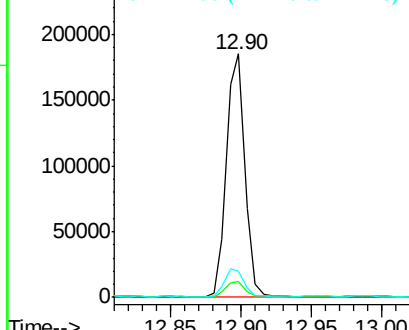
Tot Ion:	244	Resp:	169598
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	10.9	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.759 ng

RT: 13.96 min Scan# 2019

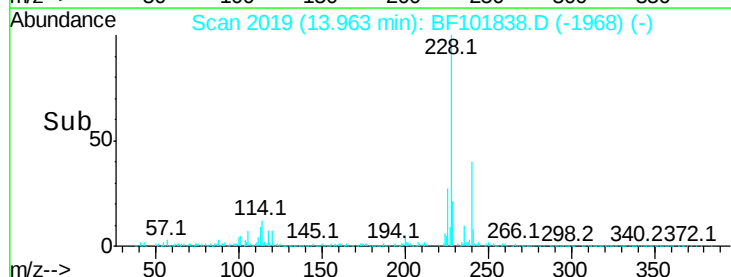
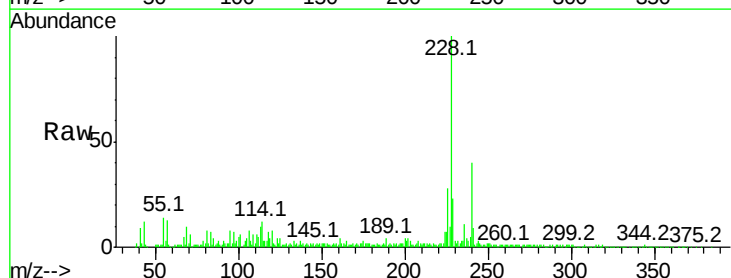
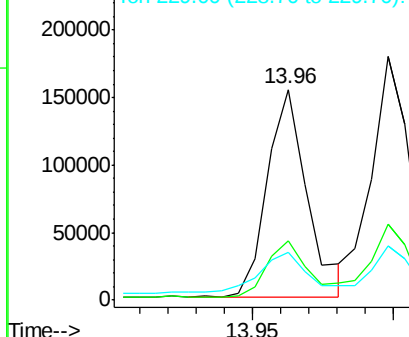
Delta R.T. 0.00 min

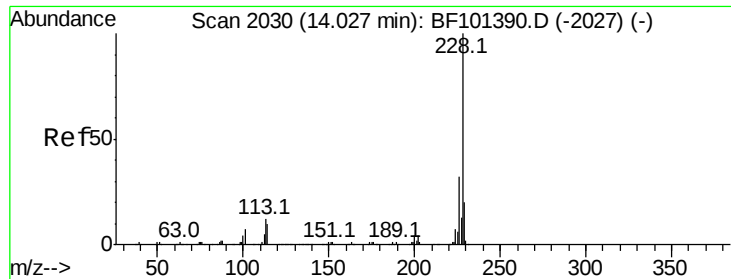
Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Tgt Ion:	228	Resp:	149463
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	22.9	15.8	23.6

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





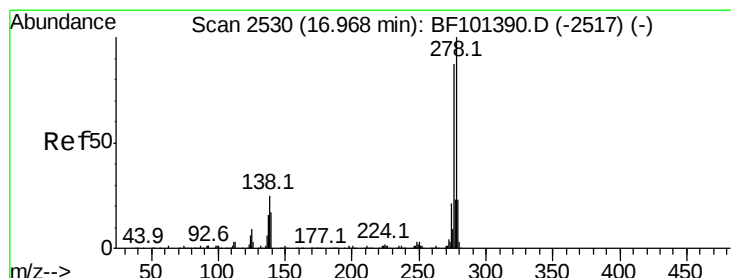
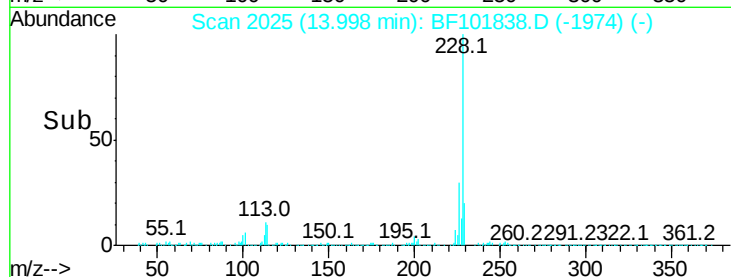
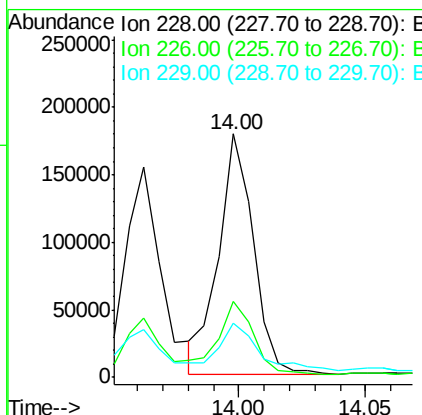
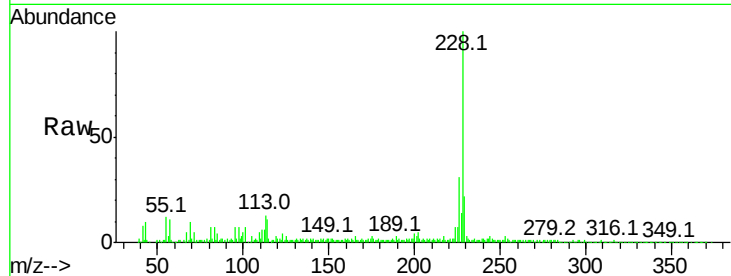
#82
Chrysene
Concen: 11.685 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion:	228	Resp:	168973
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.1	16.2	24.4

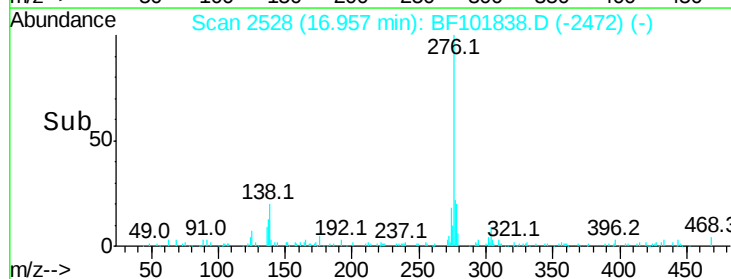
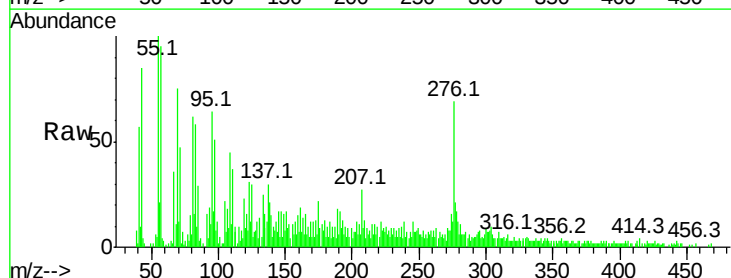
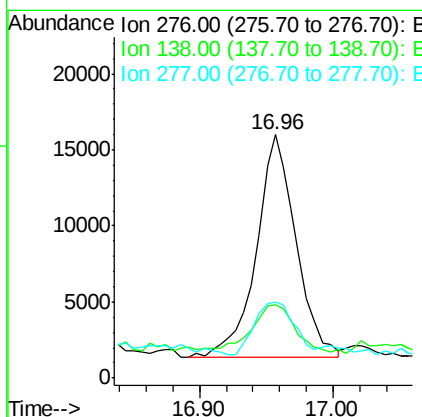
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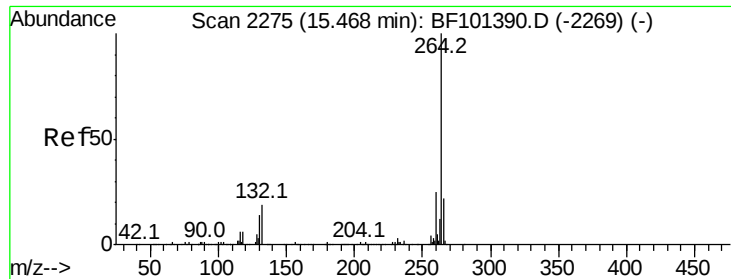
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.327 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.03 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion:	276	Resp:	29967
Ion Ratio	Lower	Upper	
276	100		
138	24.4	25.0	37.6#
277	24.6	20.1	30.1





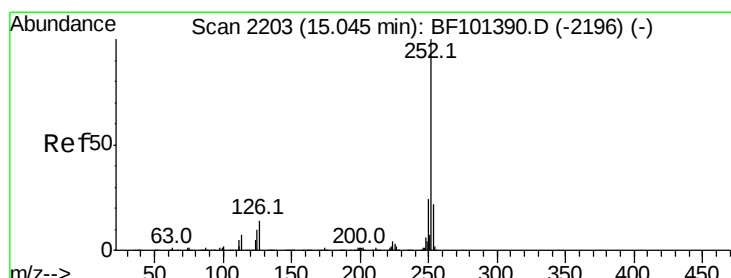
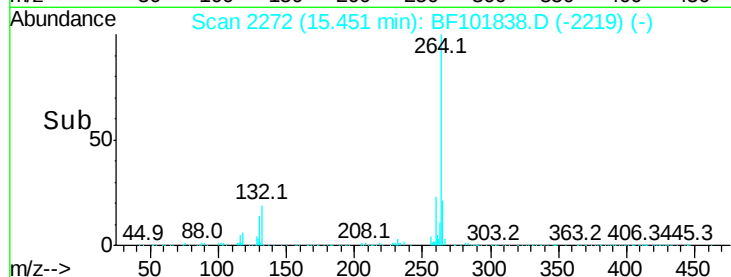
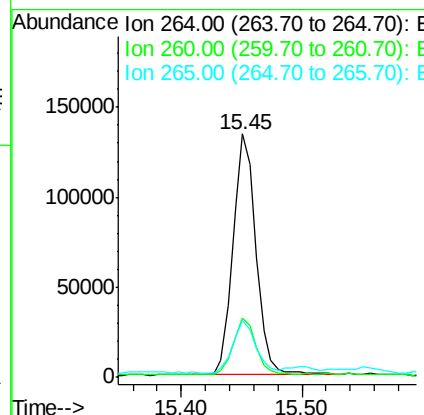
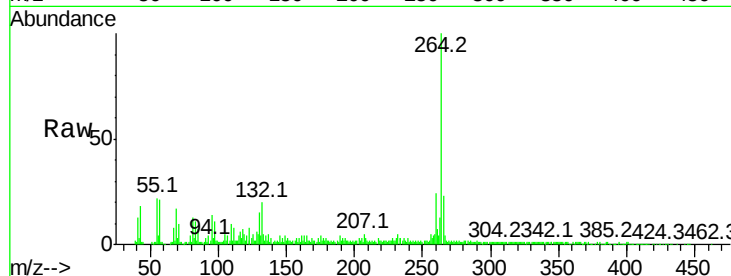
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.3	17.5	26.3

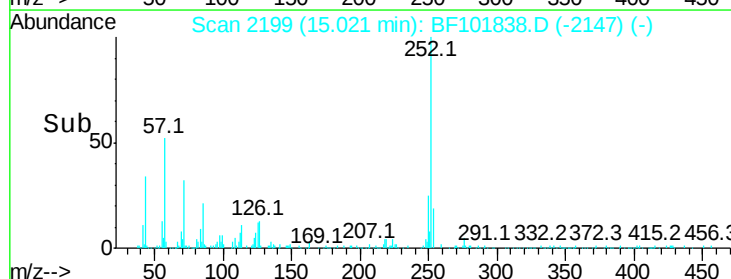
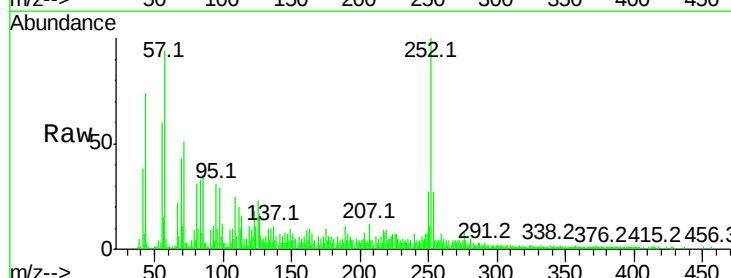
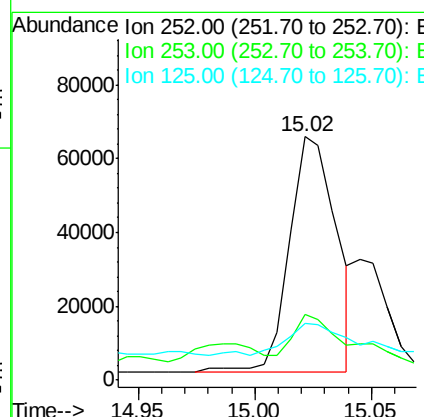
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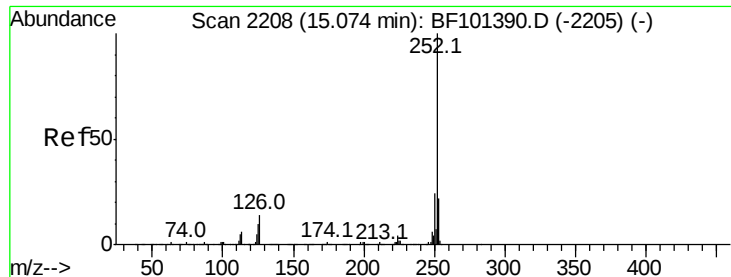
Sohil
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#87
Benzo(b)fluoranthene
Concen: 8.201 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.6#
125	23.2	9.0	13.6#





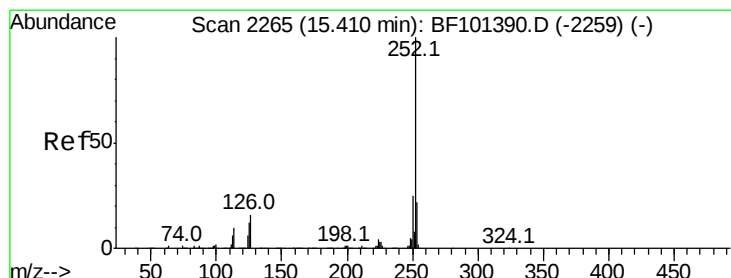
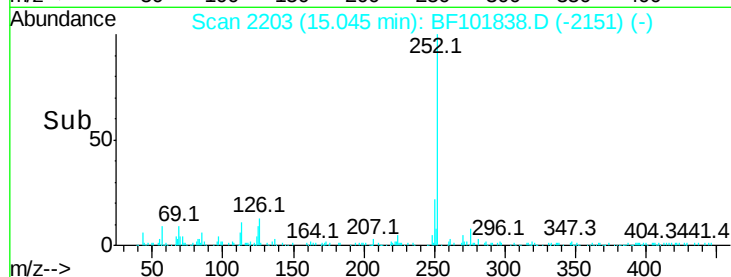
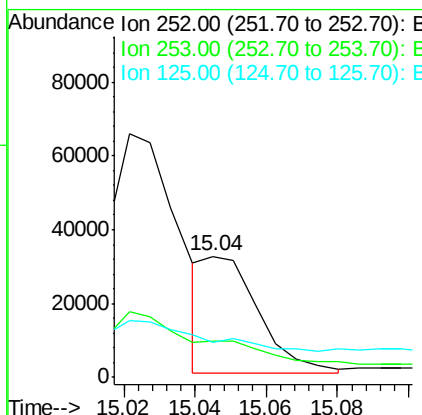
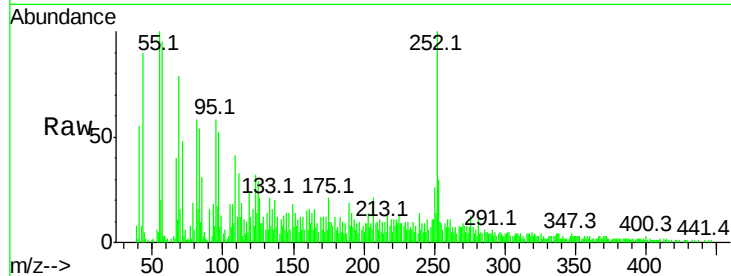
#88
Benzo(k)fluoranthene
Concen: 3.179 ng/mL
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Instrument :
BNA_F
ClientSampleId :
TB-09(6-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.9	26.9#
125	29.2	10.2	15.2#

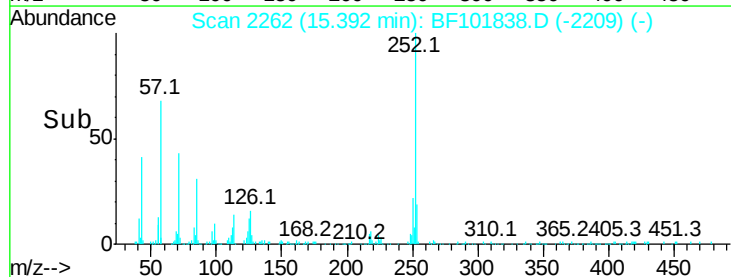
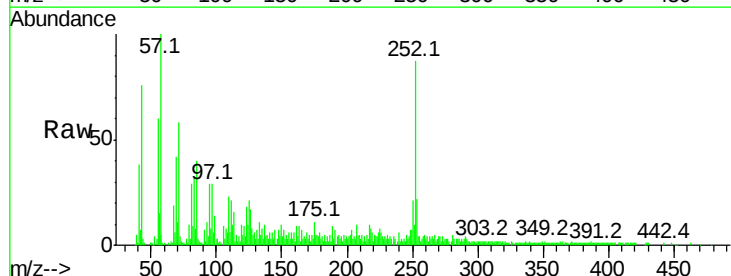
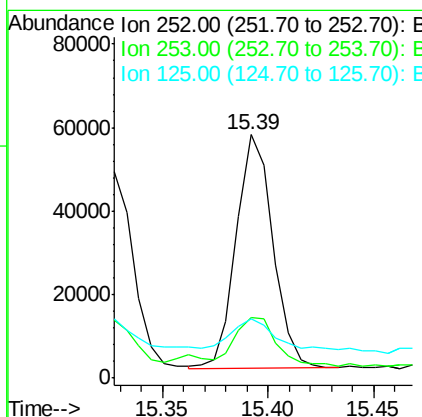
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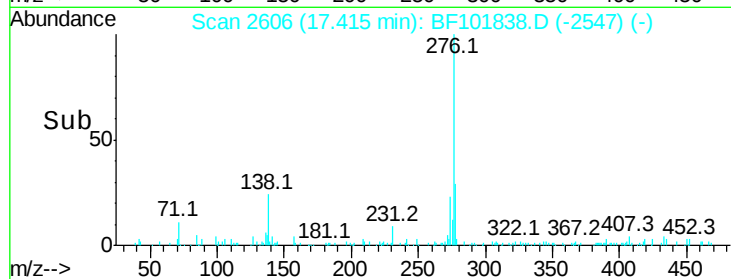
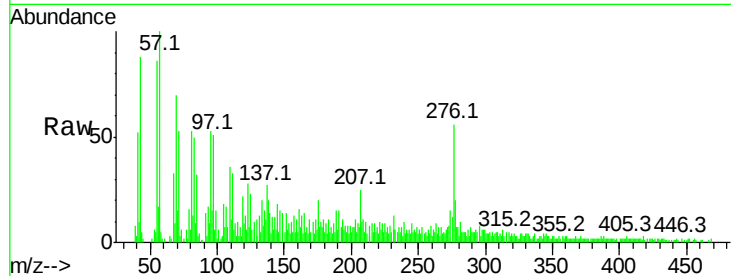
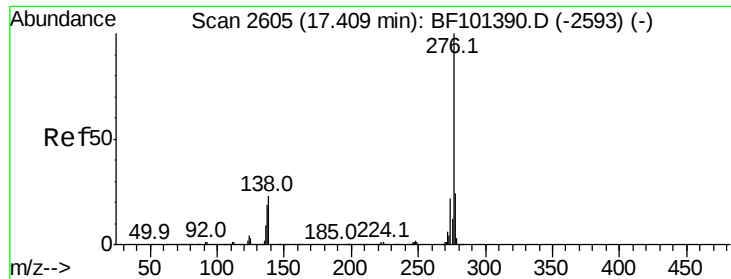
Sohil
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#89
Benzo(a)pyrene
Concen: 6.765 ng/mL
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101838.D
Acq: 29 Dec 2017 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	24.5	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.324 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.05 min

Lab File: BF101838.D

Acq: 29 Dec 2017 19:20

Instrument :

BNA_F

ClientSampleId :

TB-09(6-8)

Tot Ion:	276	Resp:	28281
Ion Ratio	Lower	Upper	
276	100		
277	35.9	17.9	26.9#
138	35.5	21.8	32.8#

Manual Integrations
APPROVED

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1/2/2018 1:05:12 PM

