

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107094.D
 Acq On : 3 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J3840-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Manual Integrations
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Quant Time: Jul 05 04:08:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	48501	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	166372	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	73033	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	153254	20.00	ng	0.00
75) Chrysene-d12	14.15	240	128124	20.00	ng	-0.02
86) Perylene-d12	15.69	264	97148	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	284309	99.26	ng	0.00
7) Phenol-d6	6.60	99	340546	95.21	ng	-0.01
23) Nitrobenzene-d5	7.52	82	186572	62.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	88497	104.55	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	340986	77.77	ng	-0.01
78) Terphenyl-d14	13.08	244	436237	82.47	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.71	163	62999	11.501	ng	99
70) Phenanthrene	11.52	178	117478	15.893	ng	99
71) Anthracene	11.57	178	31065	4.117	ng	98
74) Fluoranthene	12.71	202	249654	30.643	ng	97
77) Pyrene	12.95	202	236860	28.034	ng	98
80) Benzo(a)anthracene	14.14	228	108965	13.954	ng	99
82) Chrysene	14.17	228	90164	12.551	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	35467	5.818	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	87259m	14.459	ng	
88) Benzo(k)fluoranthene	15.25	252	28188m	4.905	ng	
89) Benzo(a)pyrene	15.62	252	63036	11.750	ng	# 94
90) Dibenzo(a,h)anthracene	17.27	278	9648m	2.122	ng	
91) Benzo(a,h,i)perylene	17.77	276	36333	8.176	ng	# 90

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

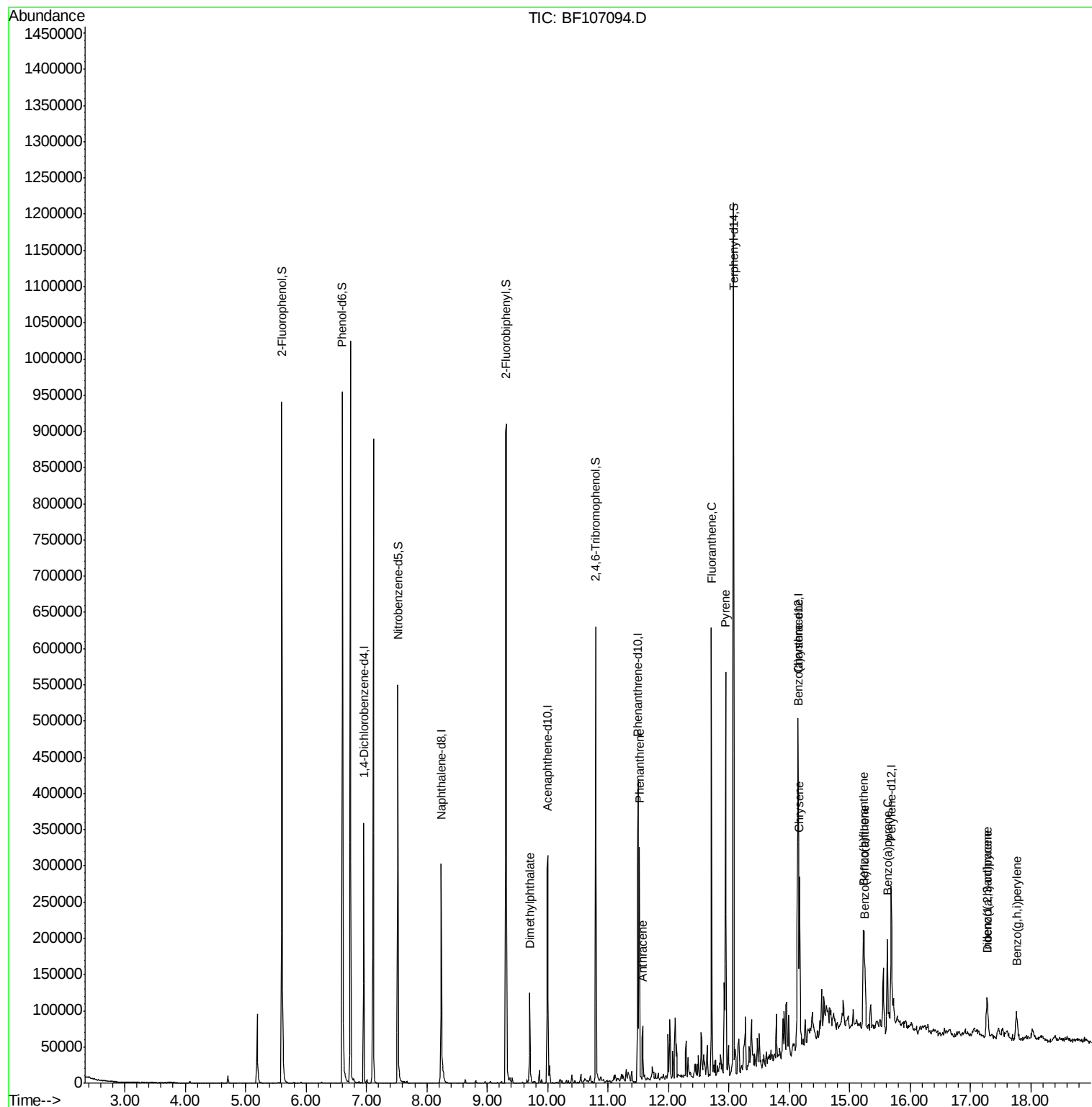
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107094.D
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ALS Vial : 25 Sample Multiplier: 1

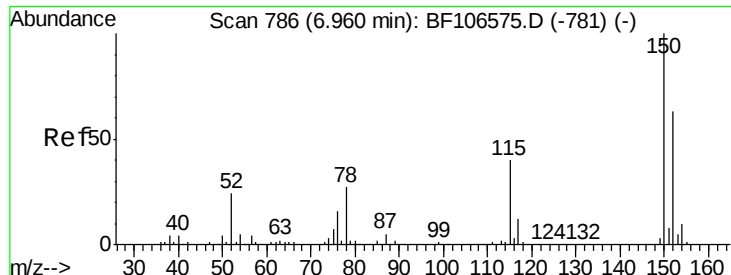
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

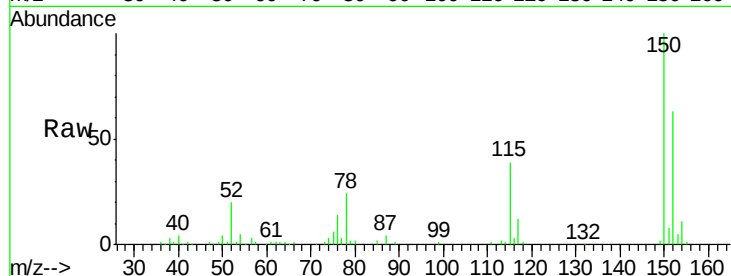
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-4-S

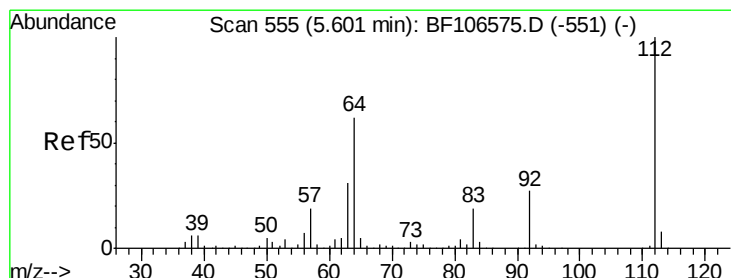
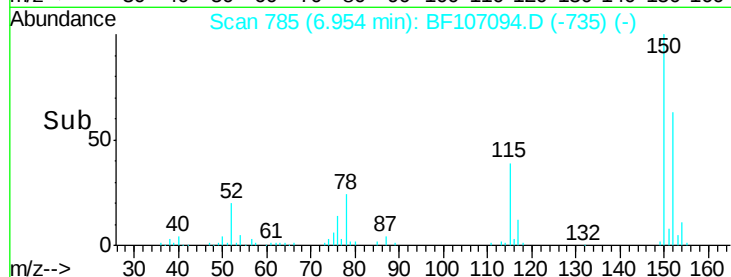
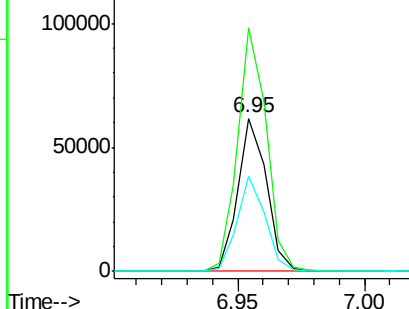
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	62.3	50.1	75.1

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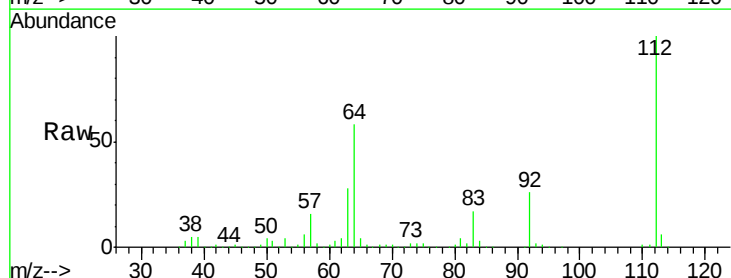
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



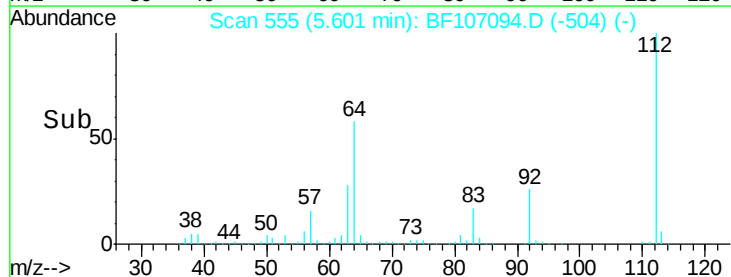
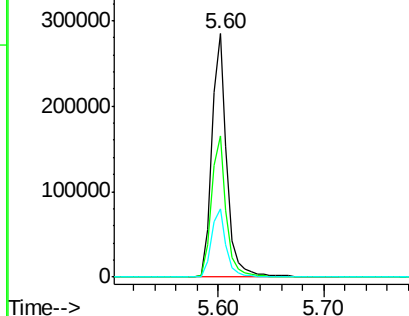
#5

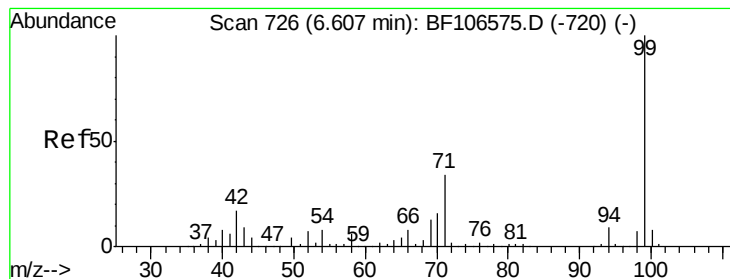
2-Fluorophenol
Concen: 99.261 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	28.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.207 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Instrument :

BNA_F

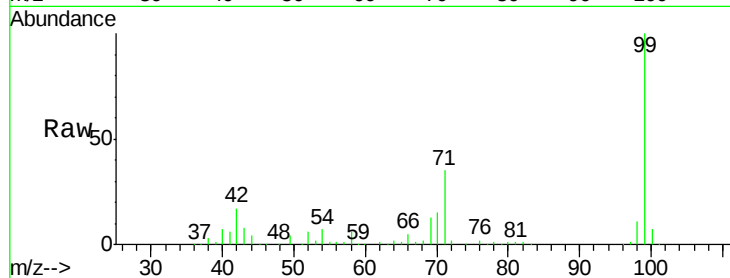
ClientSampled :

TP-4-S

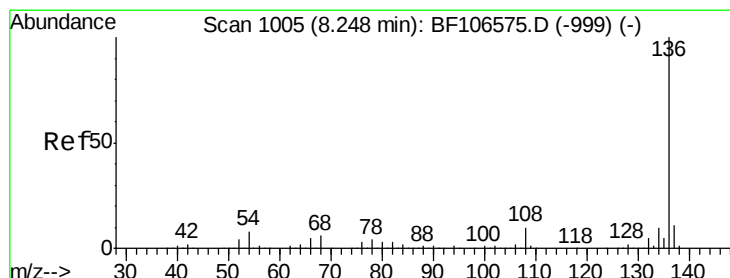
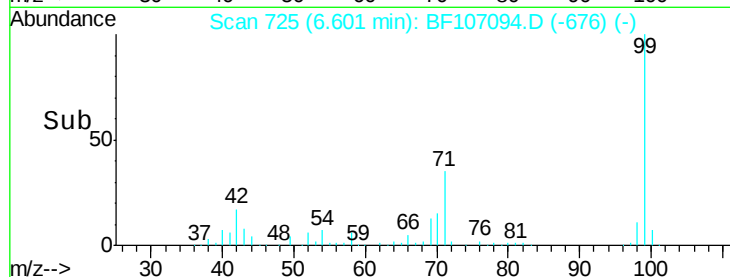
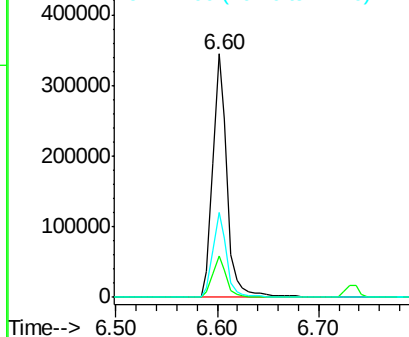
Tot Ion:	99	Resp:	340546
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.5	21.7
71	34.6	25.4	38.0

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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: 8.24 min Scan# 1003

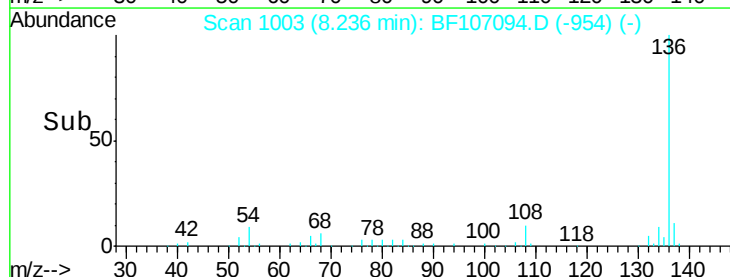
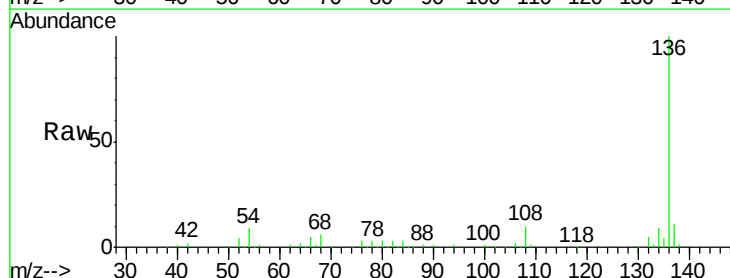
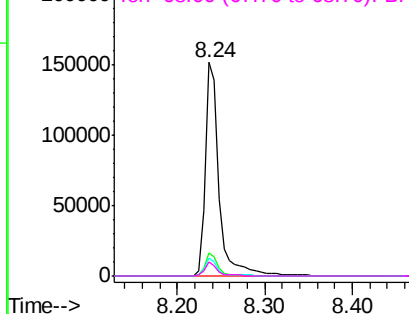
Delta R.T. -0.01 min

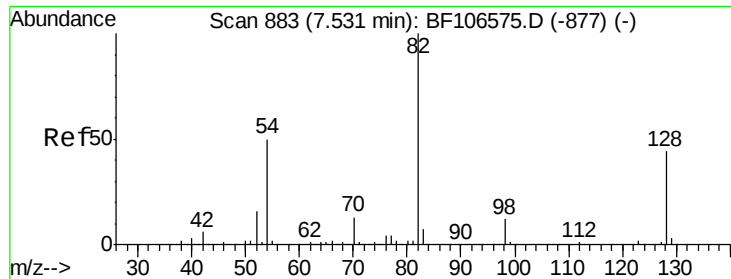
Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Tgt Ion:	136	Resp:	166372
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.7	6.6	9.8
68	6.4	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





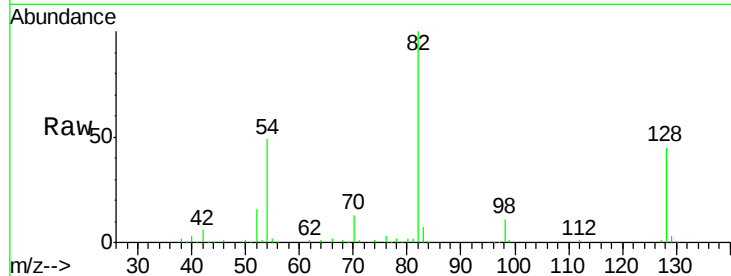
#23
Nitrobenzene-d5
Concen: 62.321 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-4-S

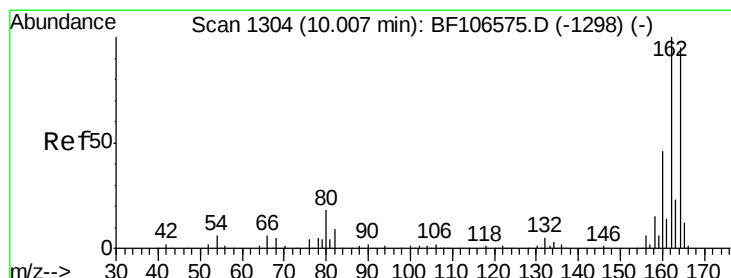
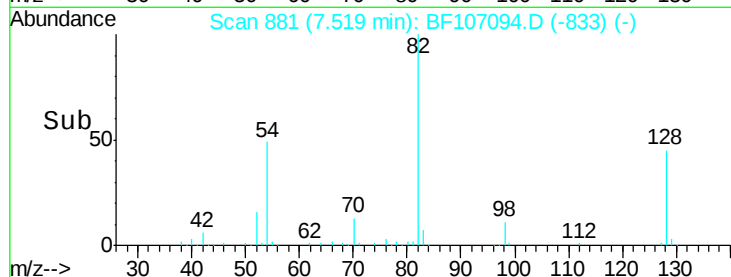
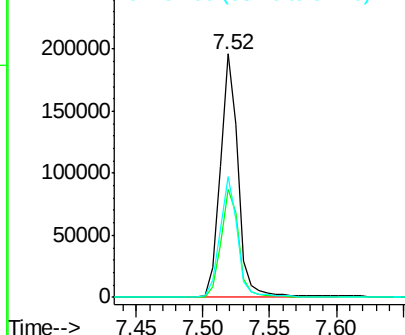
Tot Ion	82	Resp	186572
Ion Ratio	100	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	49.4	41.4	62.2

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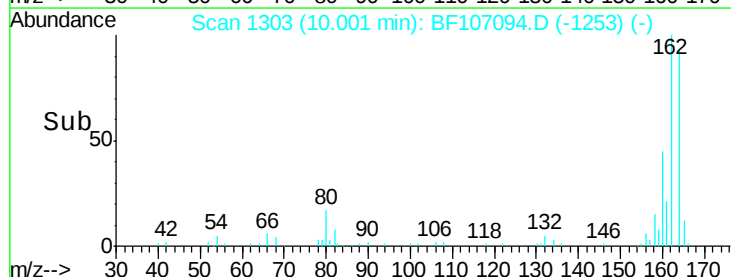
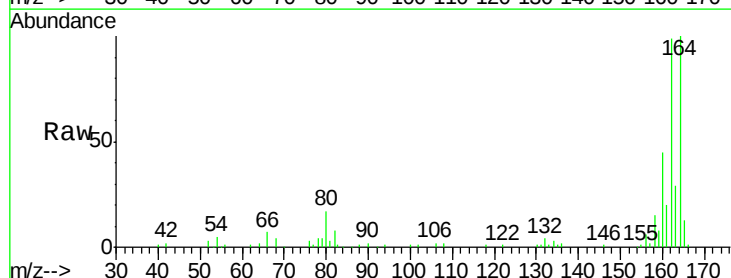
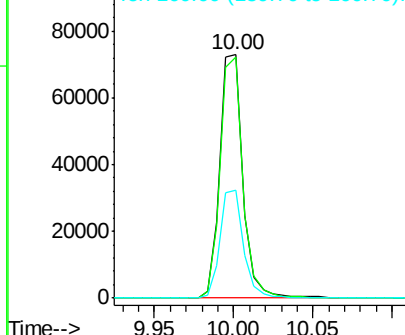
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

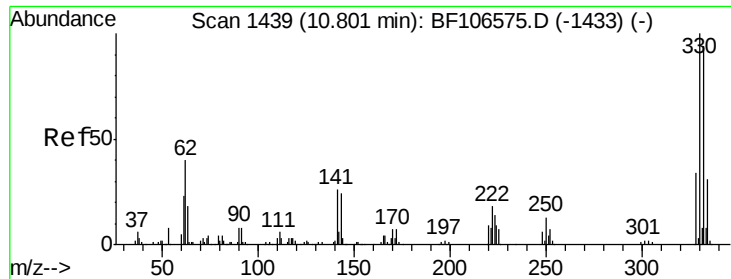


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	164	Resp	73033
Ion Ratio	100	Lower	Upper
164	100		
162	98.9	86.1	129.1
160	44.6	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





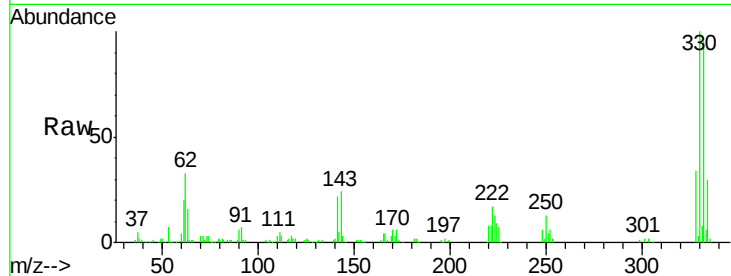
#41
 2,4,6-Tribromophenol
 Concen: 104.548 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :
 TP-4-S

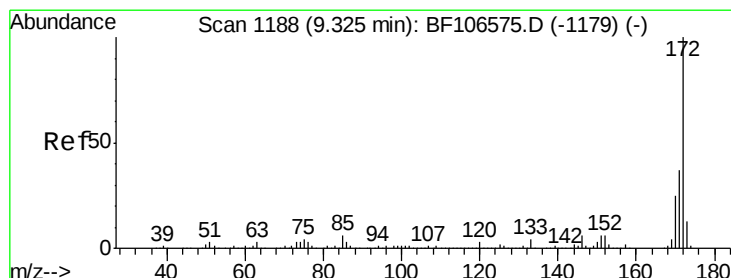
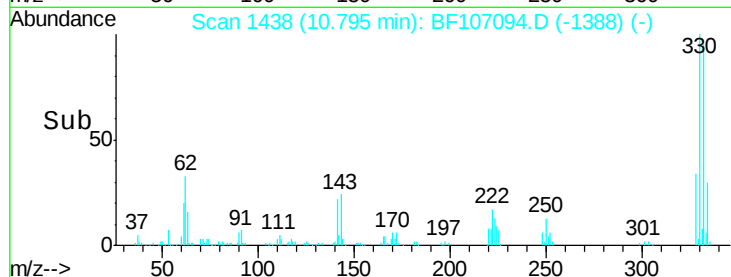
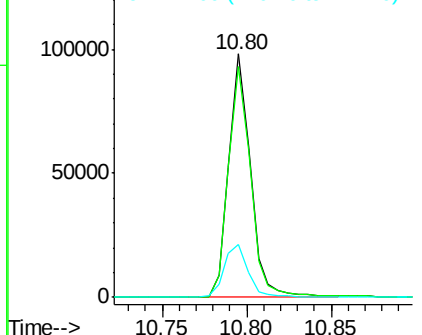
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.0	115.6	
141	23.9	29.9	44.9	

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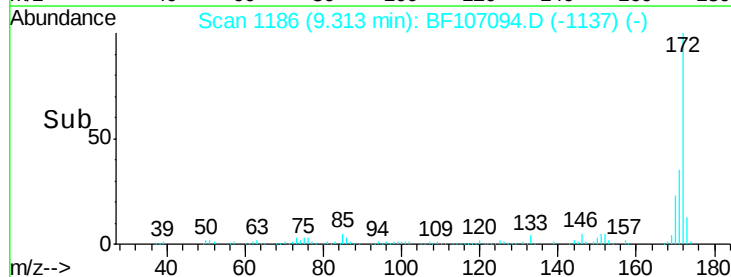
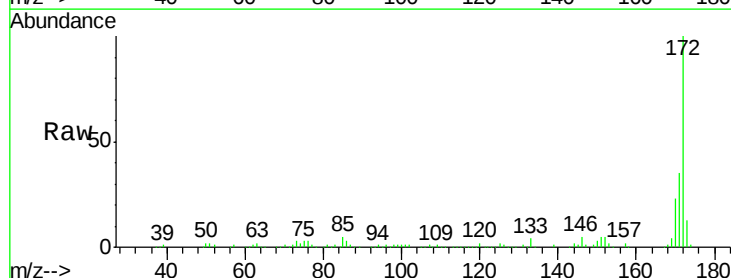
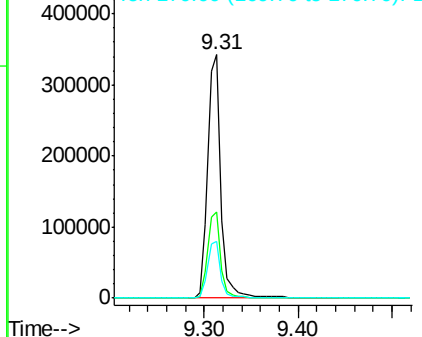
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

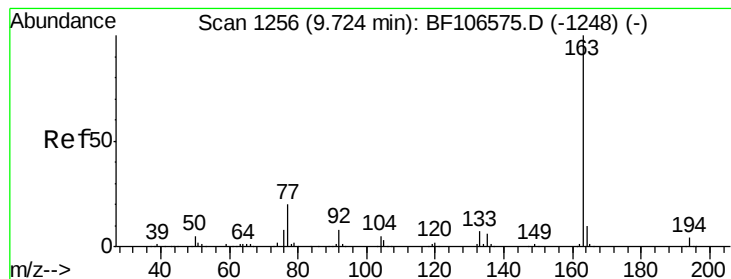


#44
 2-Fluorobiphenyl
 Concen: 77.773 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.7	44.5	
170	23.4	19.6	29.4	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.501 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Instrument :

BNA_F

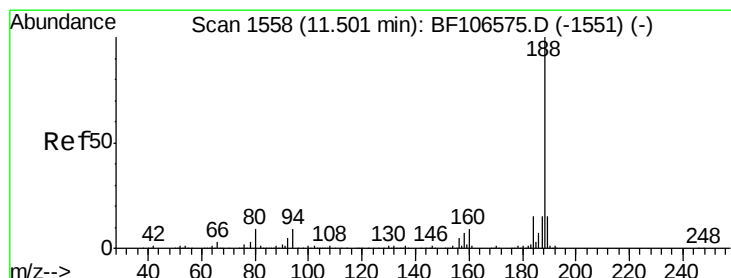
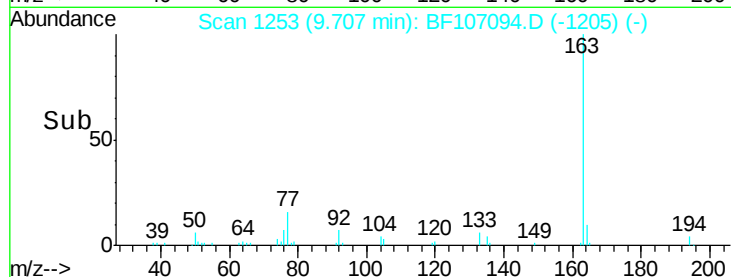
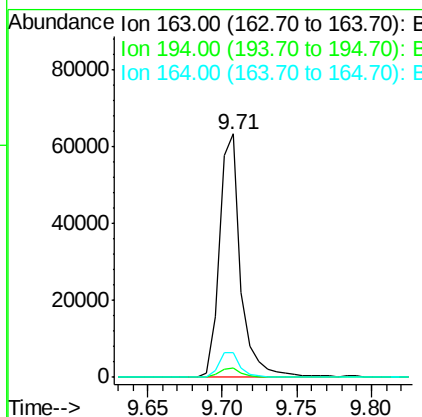
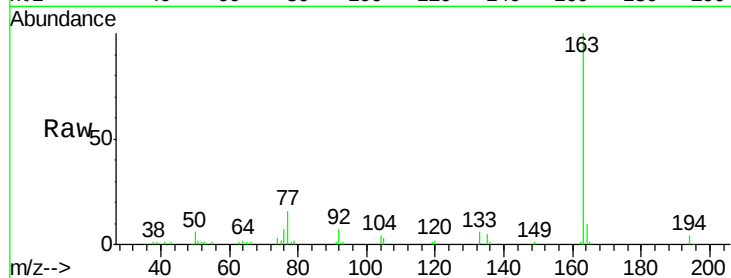
ClientSampled :

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Tot Ion:	163	Resp:	62999
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.1	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

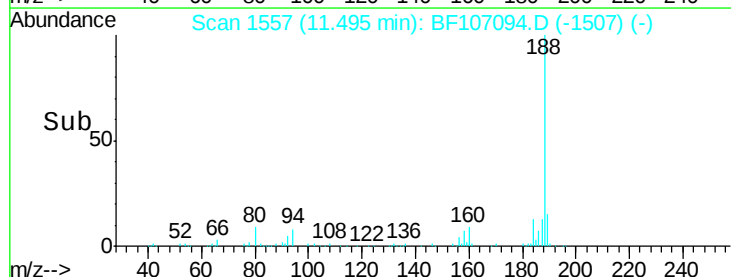
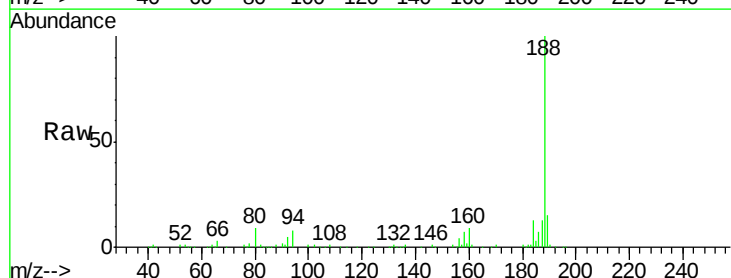
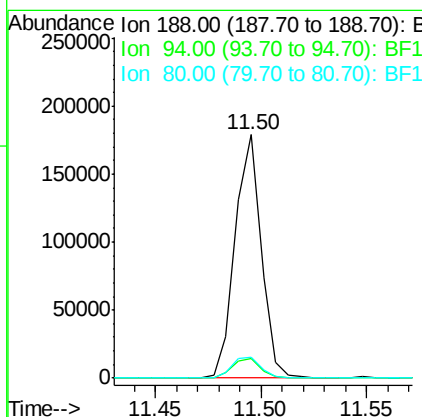
RT: 11.50 min Scan# 1557

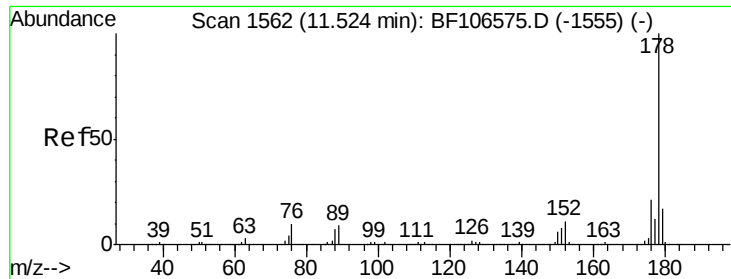
Delta R.T. -0.01 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Tgt Ion:	188	Resp:	153254
Ion Ratio	Lower	Upper	
188	100		
94	7.8	8.5	12.7#
80	8.7	9.2	13.8#





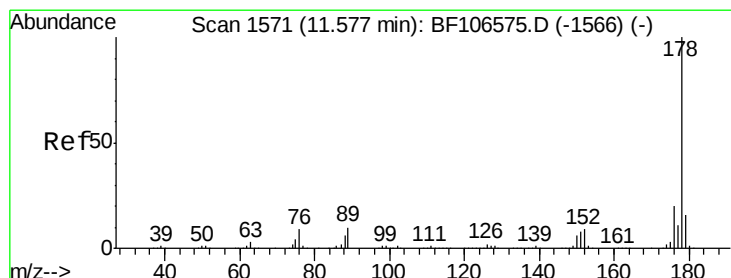
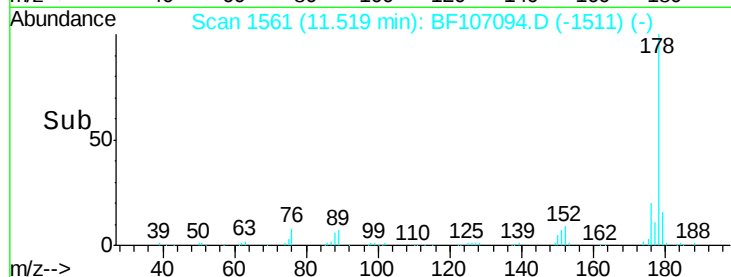
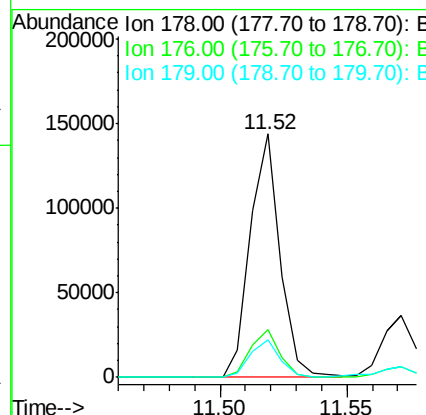
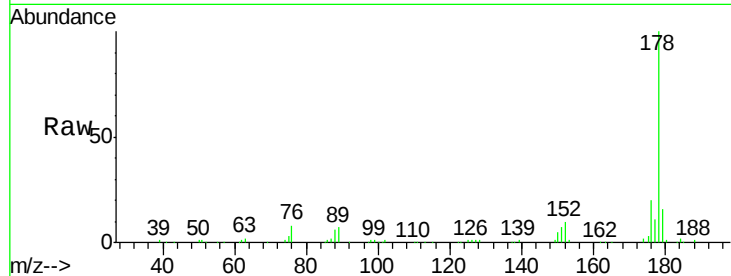
#70
Phenanthrene
Concen: 15.893 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-4-S

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.6	15.8	23.8	
179	15.5	13.0	19.6	

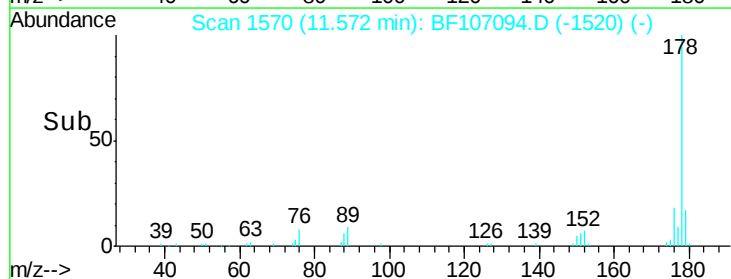
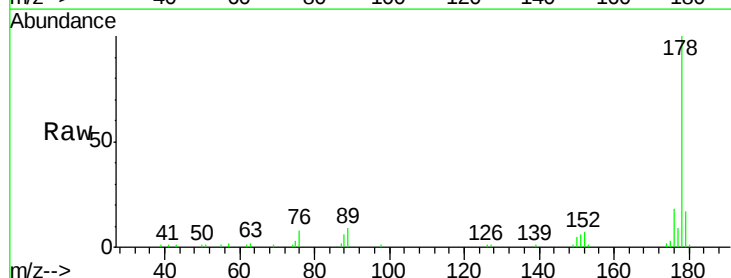
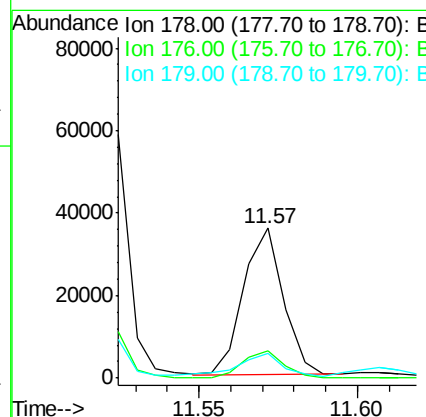
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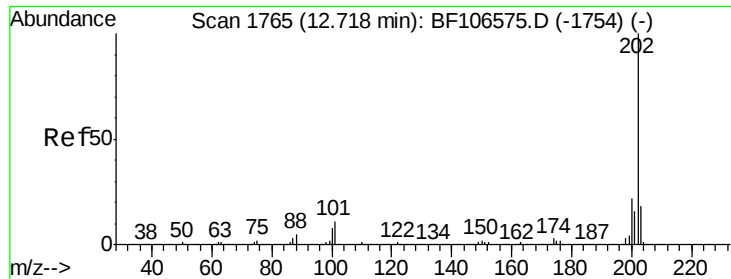
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#71
Anthracene
Concen: 4.117 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.3	15.4	23.2	
179	16.6	12.6	19.0	





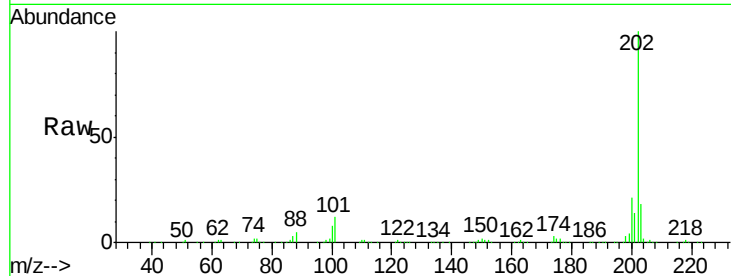
#74
 Fluoranthene
 Concen: 30.643 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

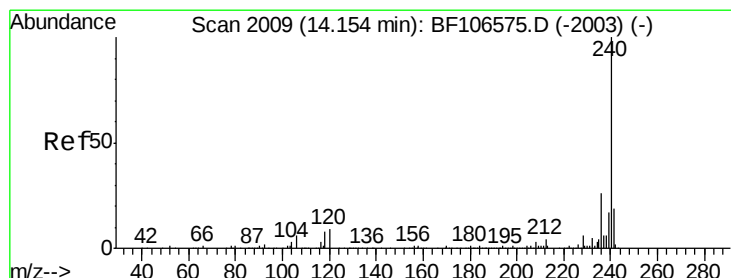
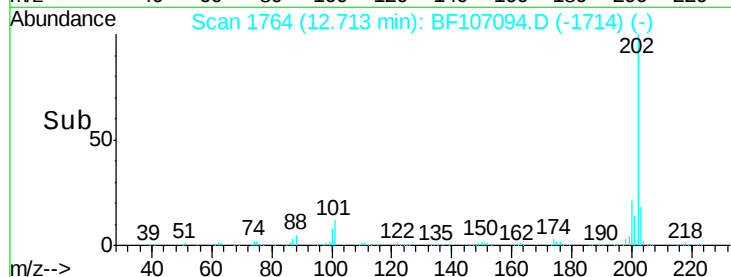
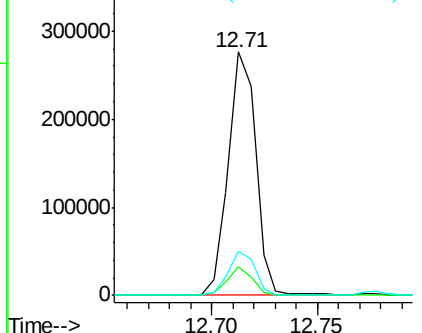
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.8	0.0	38.1

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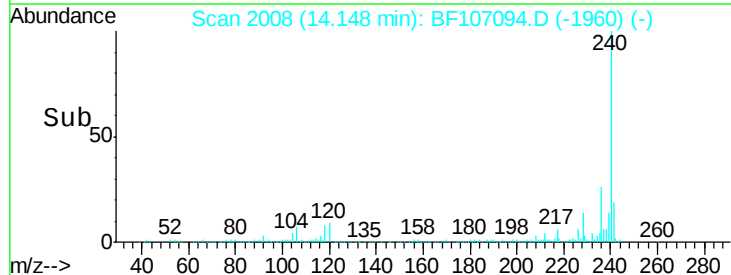
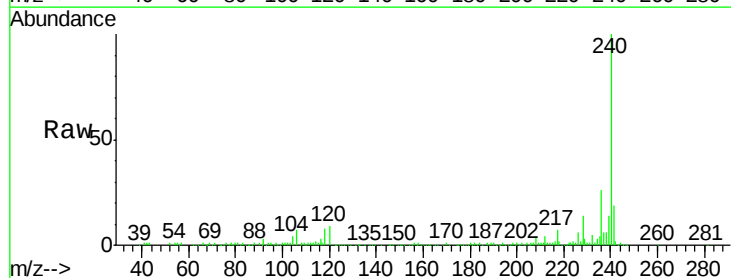
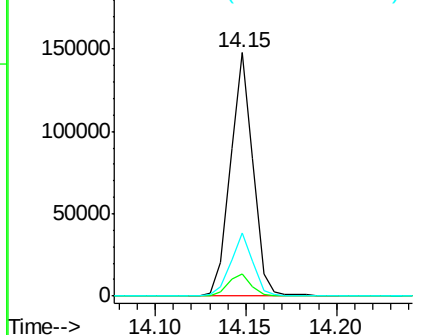
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

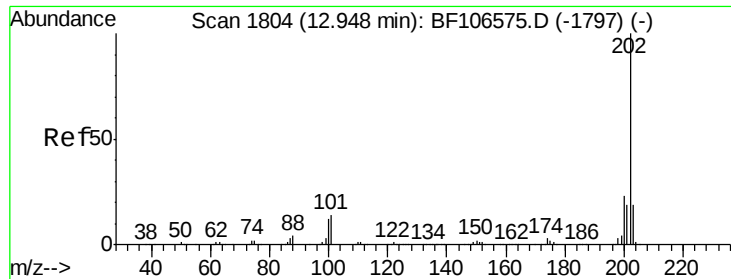


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	26.0	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: 28.034 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Instrument :

BNA_F

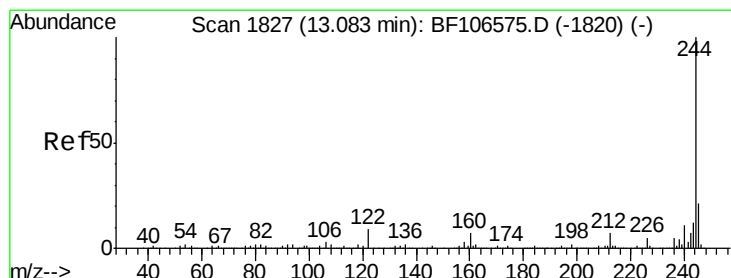
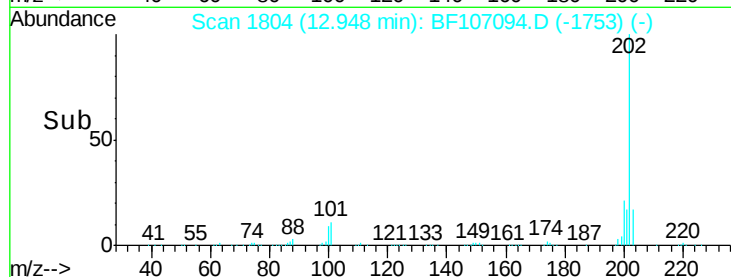
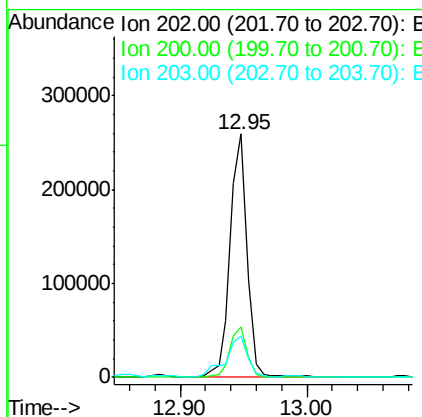
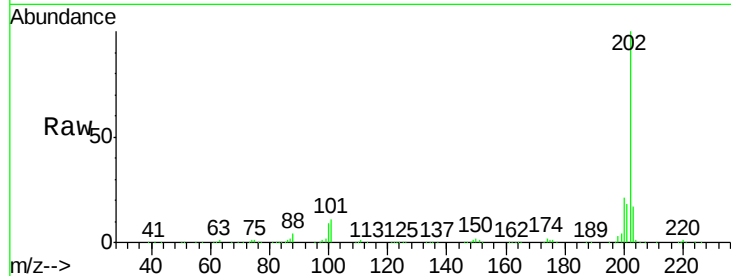
ClientSampleId :

TP-4-S

Tot Ion:	202	Resp:	236860
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 82.474 ng

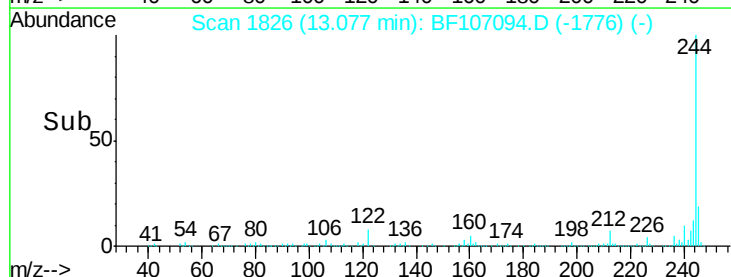
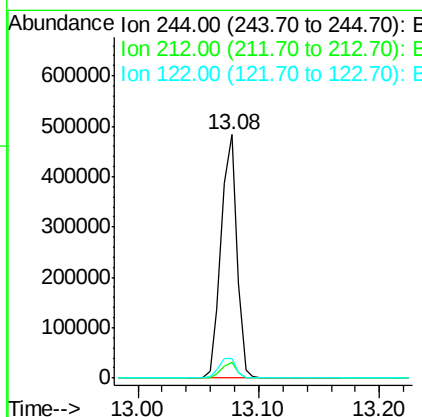
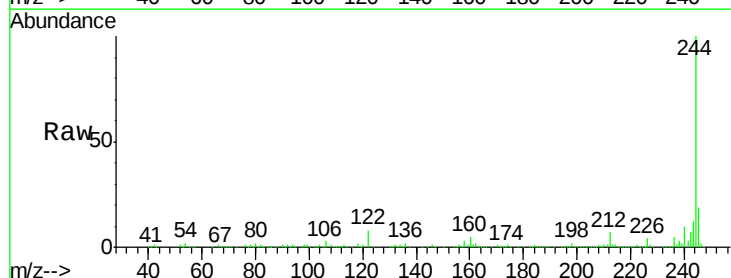
RT: 13.08 min Scan# 1826

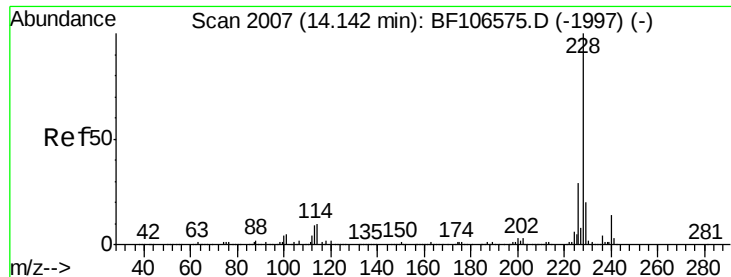
Delta R.T. -0.01 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Tgt Ion:	244	Resp:	436237
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.1	11.0	16.4#





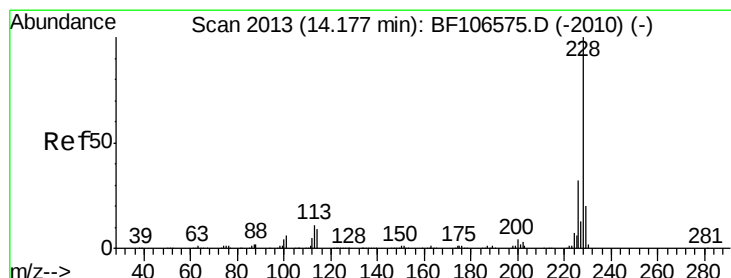
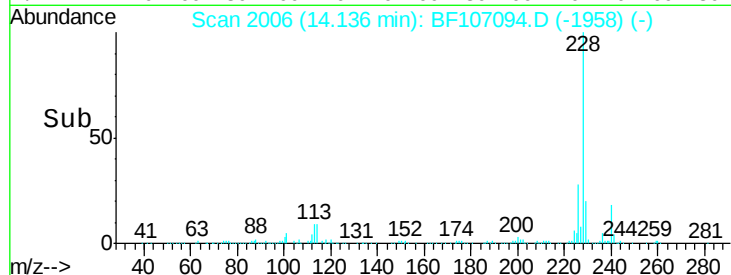
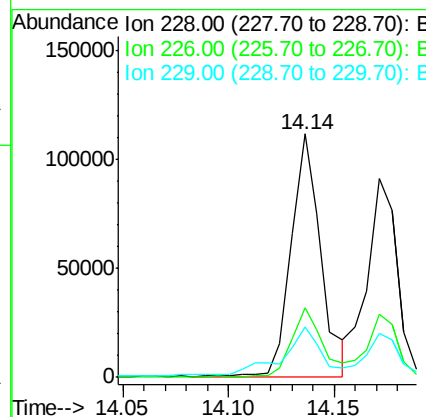
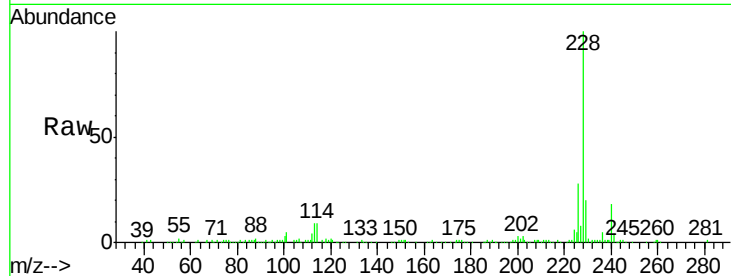
#80
Benzo(a)anthracene
Concen: 13.954 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-4-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.5	15.8	23.6

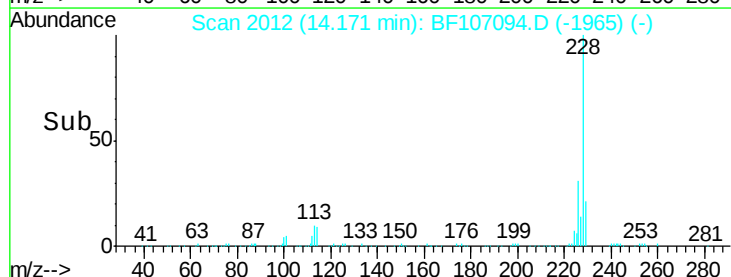
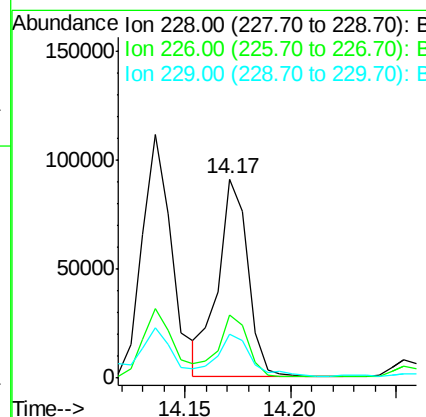
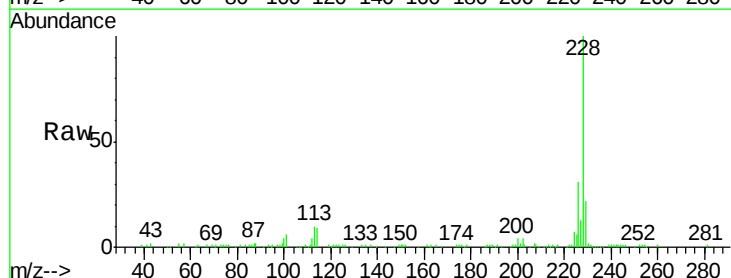
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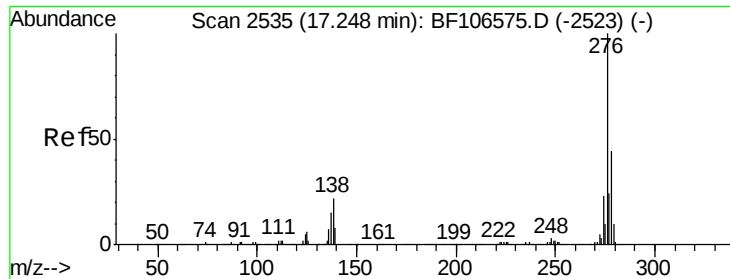
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#82
Chrysene
Concen: 12.551 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.9	16.2	24.4





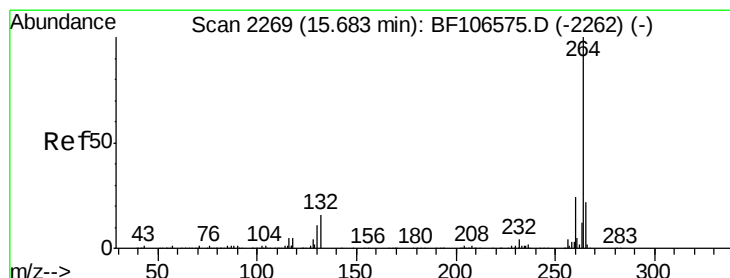
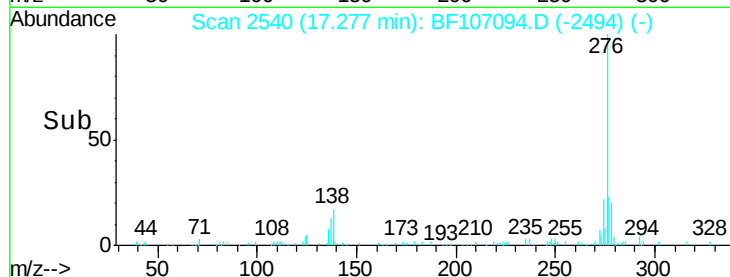
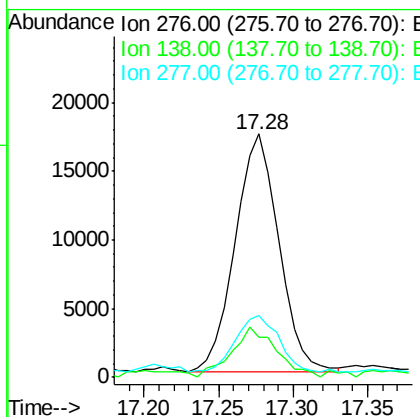
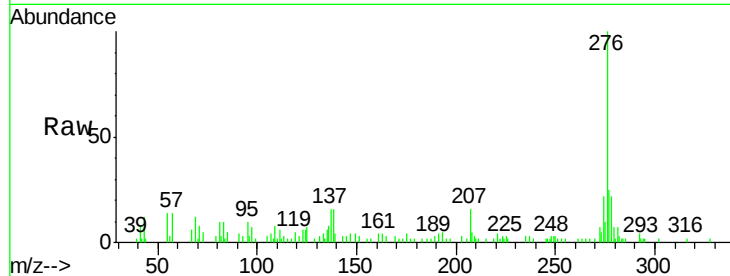
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.818 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	23.3	20.1	30.1

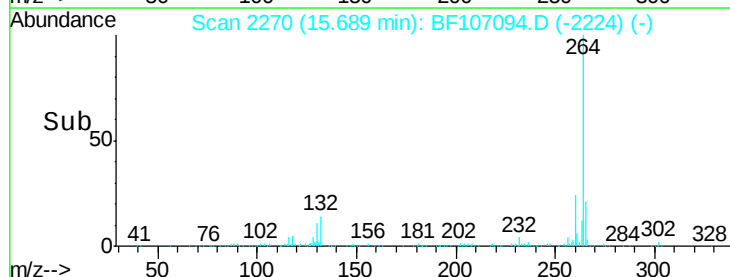
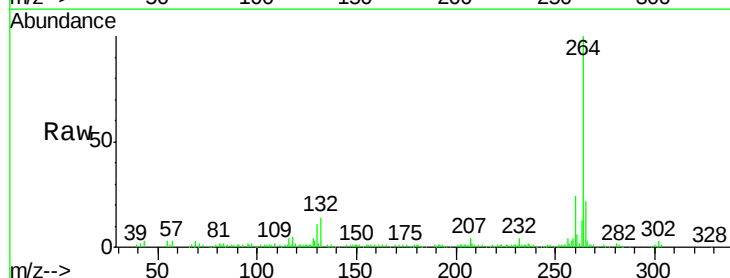
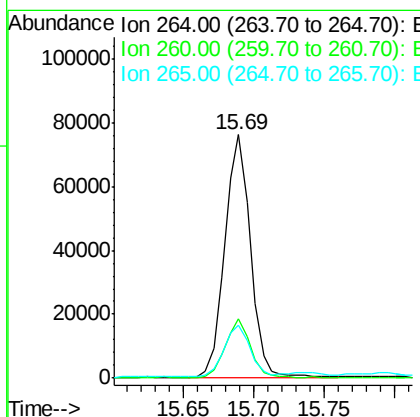
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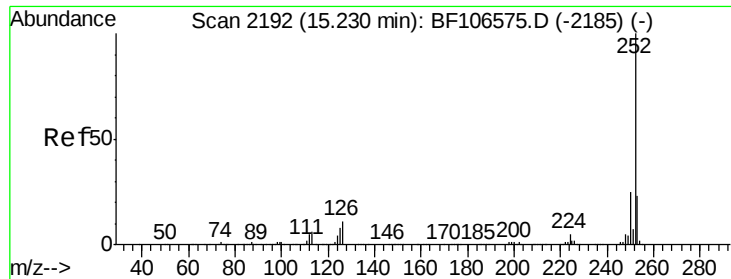
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.8	17.5	26.3





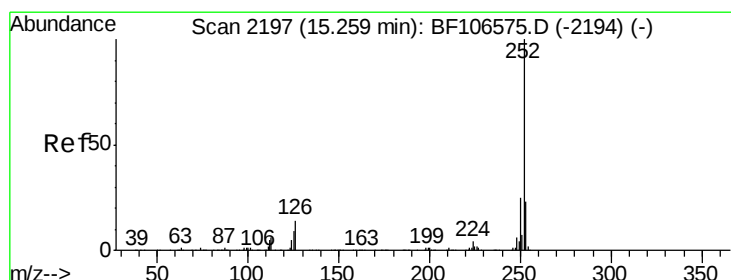
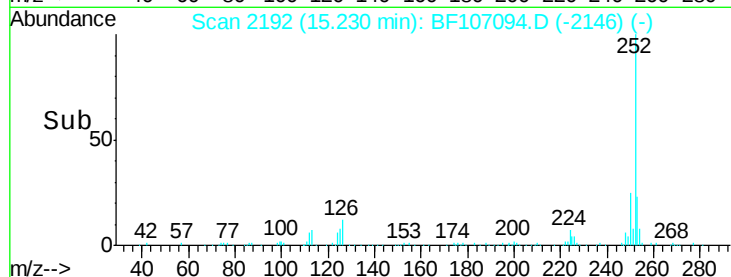
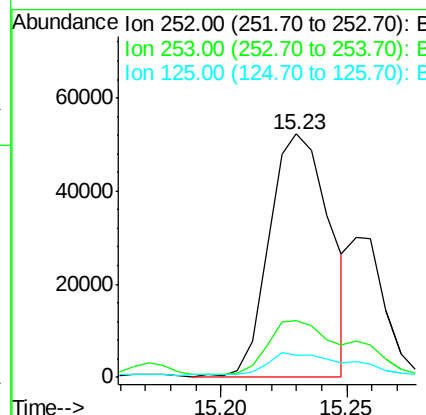
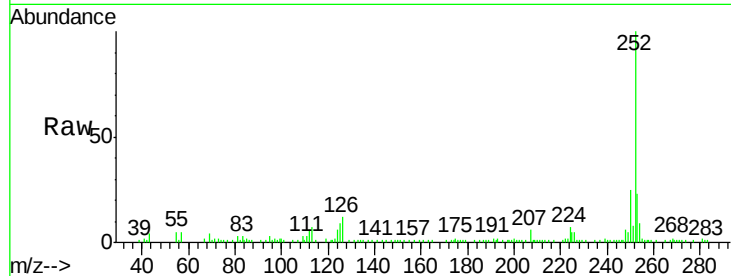
#87
Benzo(b)fluoranthene
Concen: 14.459 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-4-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	9.1	9.0	13.6

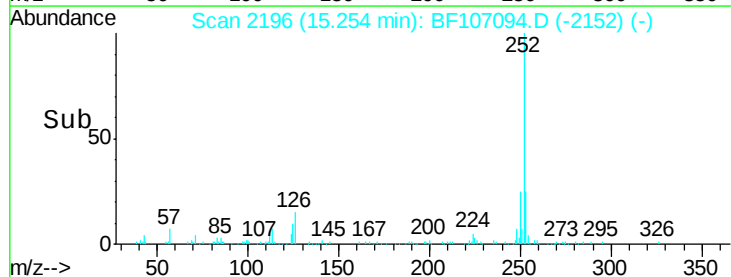
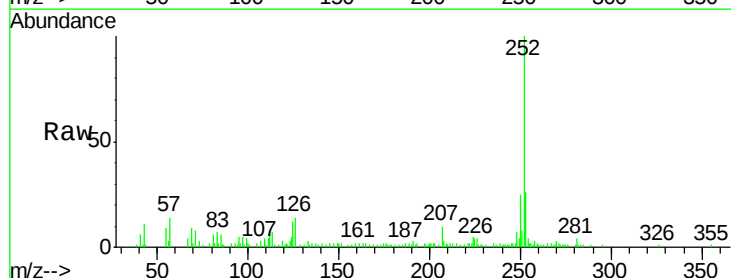
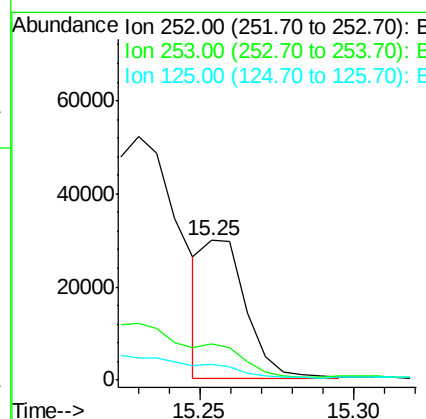
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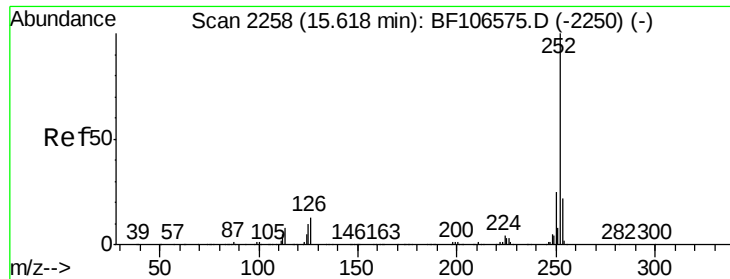
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#88
Benzo(k)fluoranthene
Concen: 4.905 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	11.7	10.2	15.2





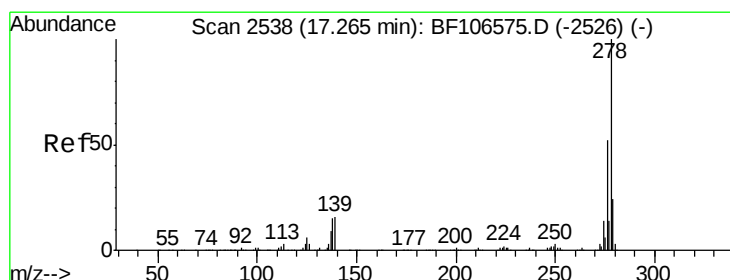
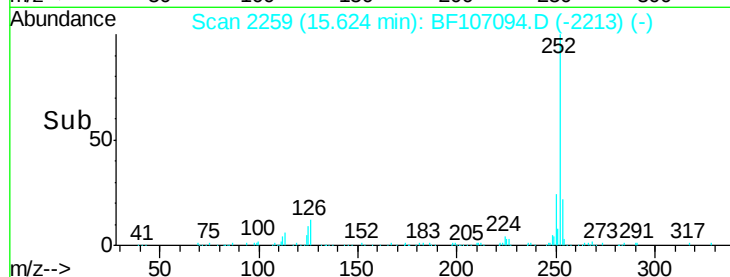
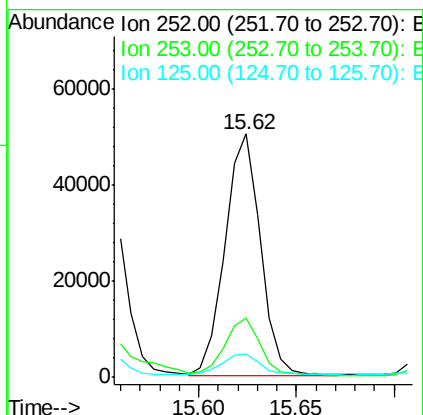
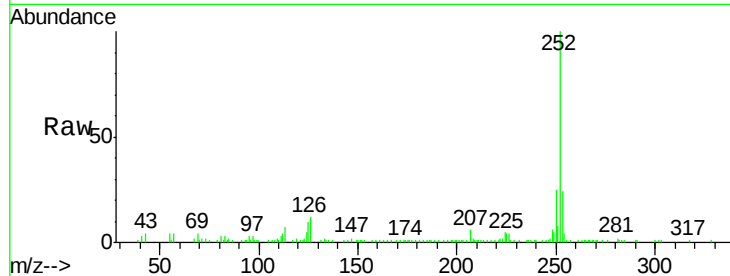
#89
Benzo(a)pyrene
Concen: 11.750 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-4-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	9.5	9.8	14.6

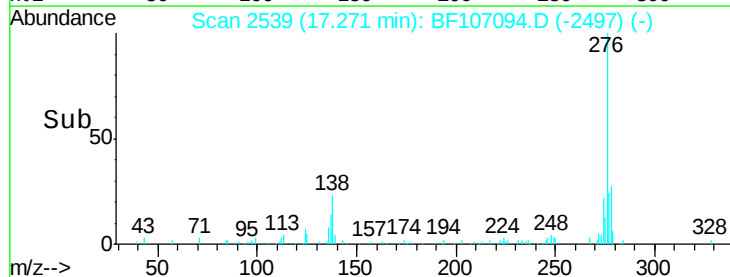
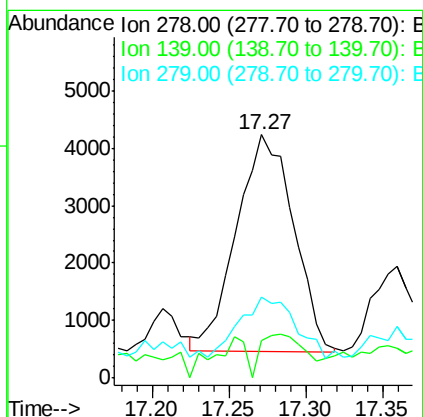
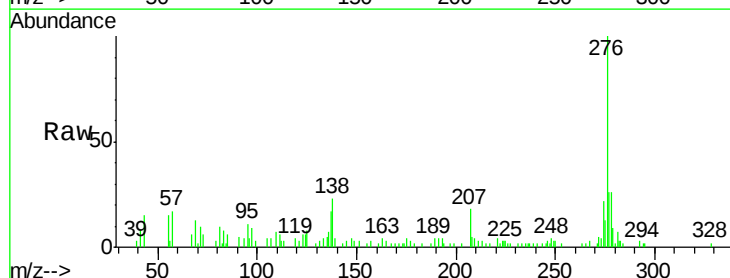
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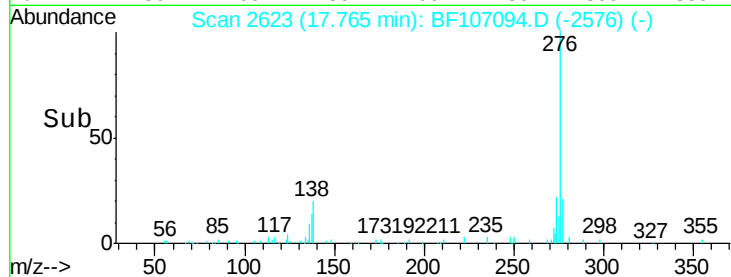
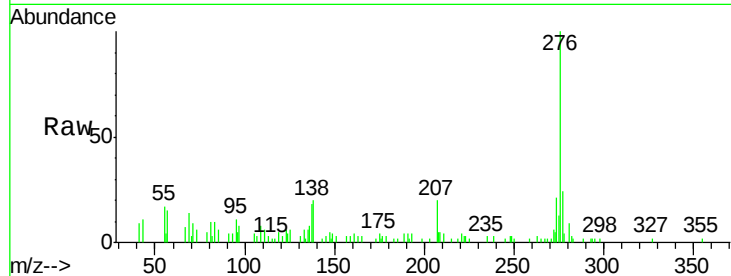
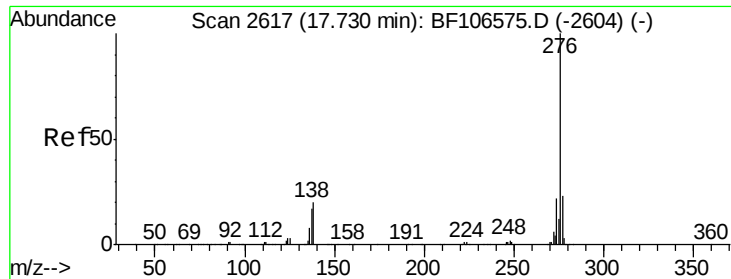
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#90
Dibenzo(a,h)anthracene
Concen: 2.122 ng m
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	15.9	23.9
279	33.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.176 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. -0.02 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	17.9	26.9
138	19.5	21.8	32.8

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