

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107617.D
 Acq On : 24 Jul 2018 14:30
 Operator : JU/SJ
 Sample : J4096-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-4

Manual Integrations
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Quant Time: Jul 25 02:25:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	301186	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1181296	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	517111	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	923130	20.00	ng	0.00
75) Chrysene-d12	14.16	240	562595	20.00	ng	0.00
86) Perylene-d12	15.70	264	653781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1467175	78.32	ng	0.00
7) Phenol-d6	6.61	99	1813494	80.62	ng	0.00
23) Nitrobenzene-d5	7.53	82	1146856	65.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	477427	81.19	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1881588	56.55	ng	-0.01
78) Terphenyl-d14	13.09	244	1504898	68.48	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	156099	4.005	ng	Qvalue # 99
57) Fluorene	10.56	166	219189	6.440	ng	96
70) Phenanthrene	11.54	178	3340946m	74.269	ng	
71) Anthracene	11.58	178	1728841	38.171	ng	98
72) Carbazole	11.74	167	149525	3.175	ng	96
74) Fluoranthene	12.74	202	4621927	95.748	ng	93
77) Pyrene	12.97	202	4048219	105.197	ng	# 91
80) Benzo(a)anthracene	14.15	228	1855540	56.281	ng	95
82) Chrysene	14.19	228	1881974	59.424	ng	96
83) Bis(2-ethylhexyl)phthalate	14.11	149	345461	14.794	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	1308832	48.762	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	2565513m	71.701	ng	
88) Benzo(k)fluoranthene	15.27	252	1011165m	28.845	ng	
89) Benzo(a)pyrene	15.64	252	1834357	56.046	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	281199m	9.939	ng	
91) Benzo(g,h,i)perylene	17.77	276	1237950	44.359	ng	93

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

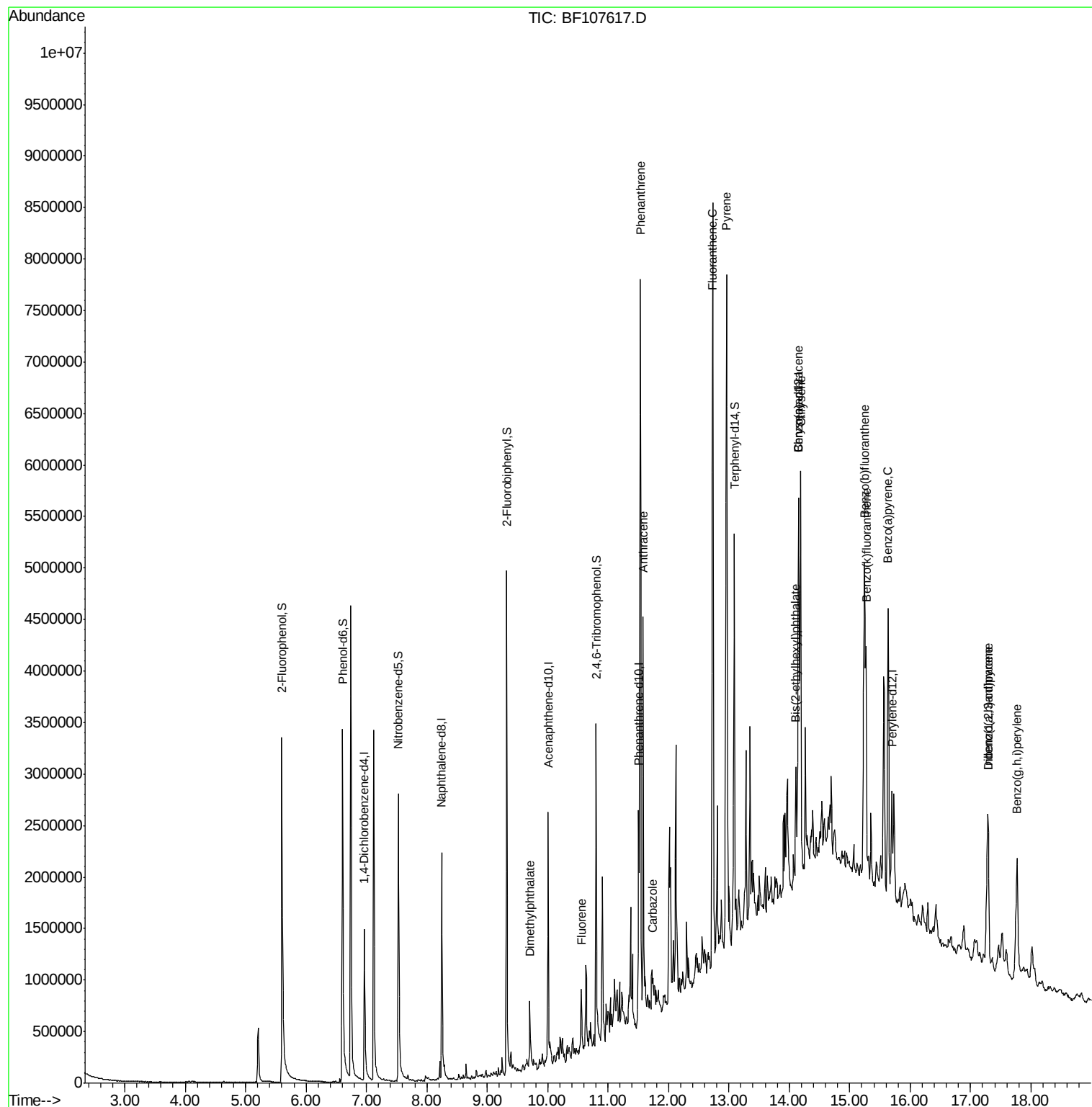
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107617.D
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ALS Vial : 6 Sample Multiplier: 1

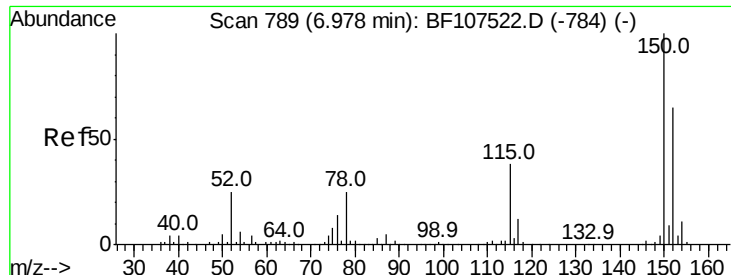
Instrument :
BNA_F
ClientSampled :
DW-4

Quant Time: Jul 25 02:25:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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#1

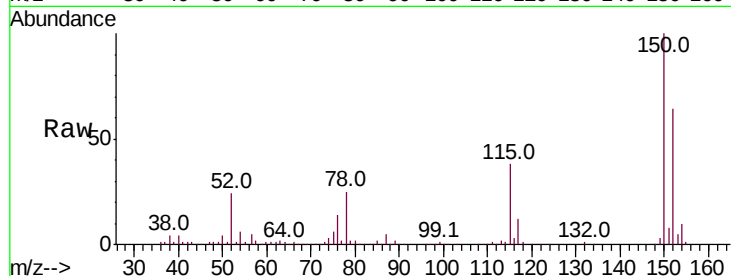
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampled :
DW-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	59.7	50.1	75.1

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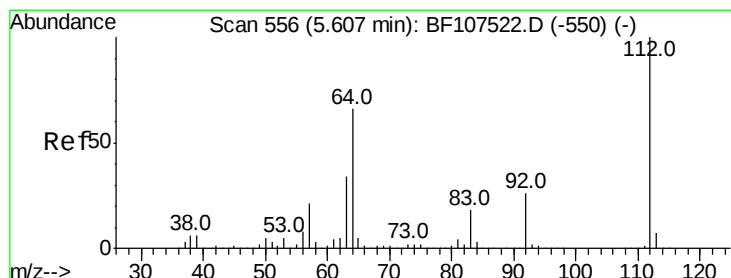
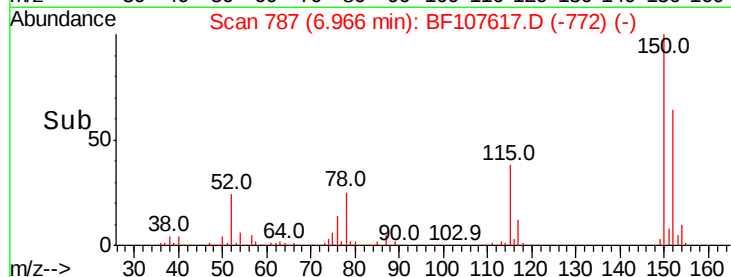
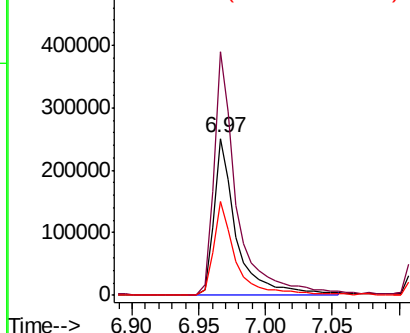


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

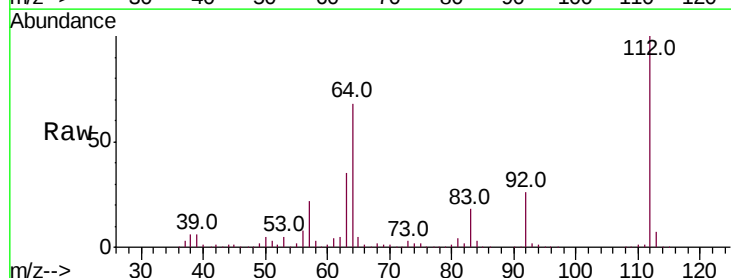
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.322 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	34.9	23.7	35.5

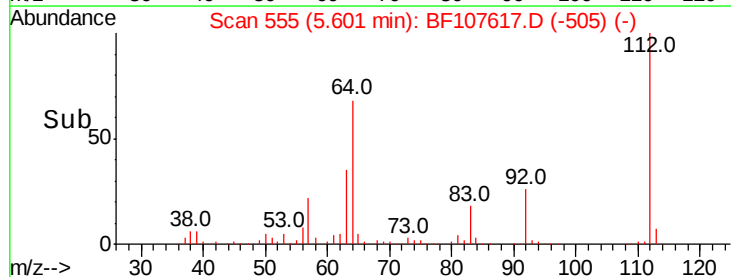
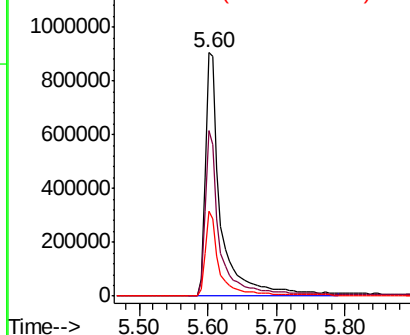


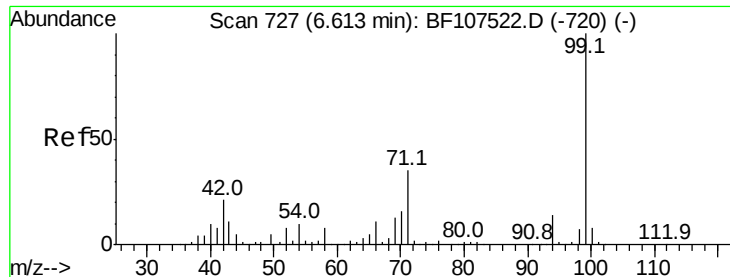
Abundance

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: 80.625 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Instrument :

BNA_F

ClientSampleId :

DW-4

Tot Ion: 99 Resp: 1813494

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

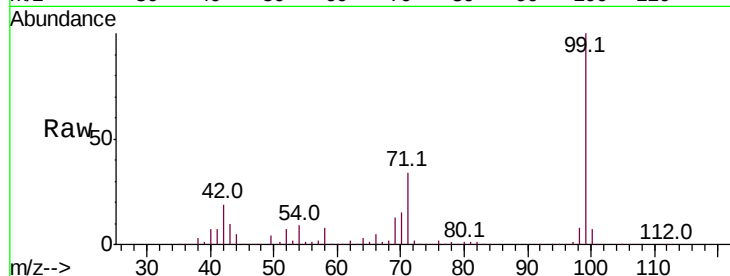
71 34.0 25.4 38.0

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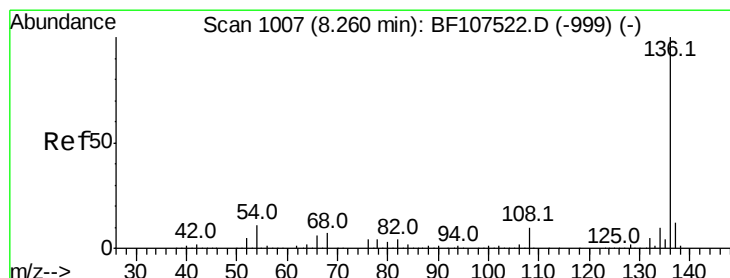
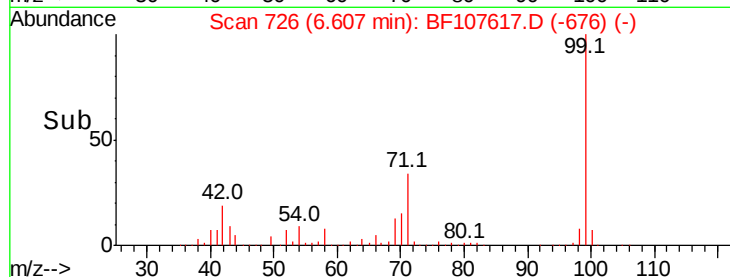
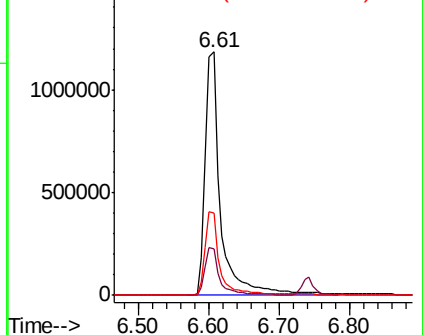
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Tgt Ion:136 Resp: 1181296

Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.0 6.6 9.8#

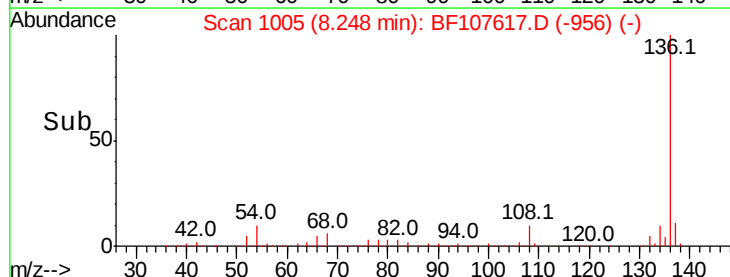
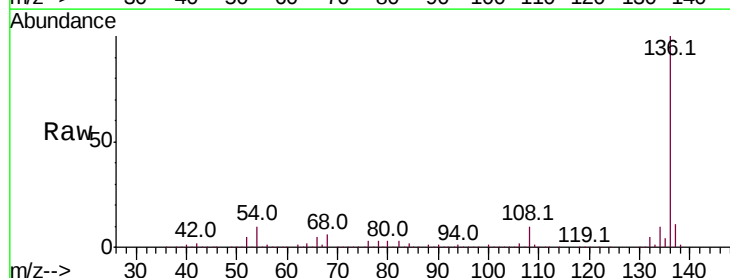
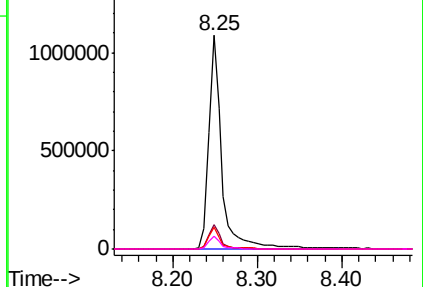
68 5.8 5.0 7.4

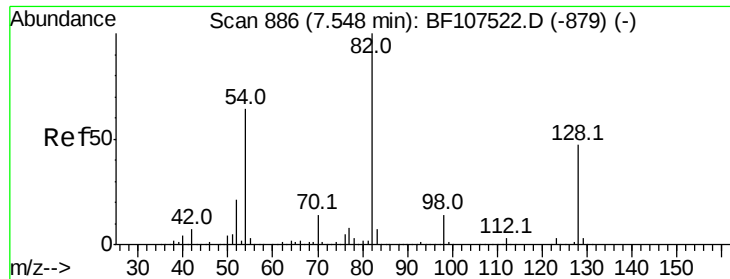
Abundance Ion 136.00 (135.70 to 136.70): E

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





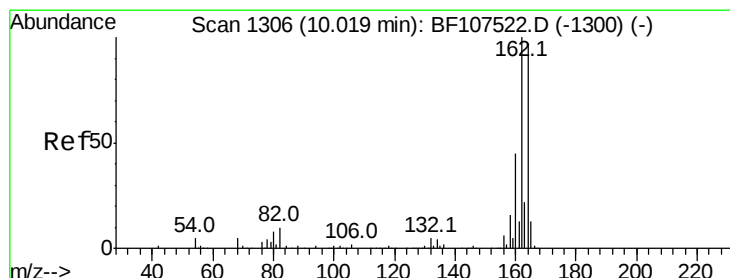
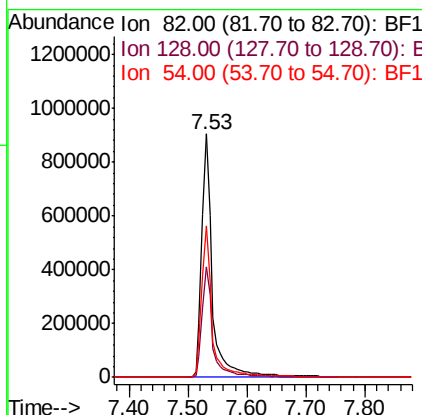
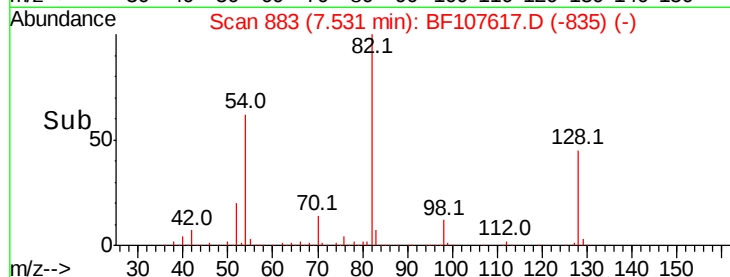
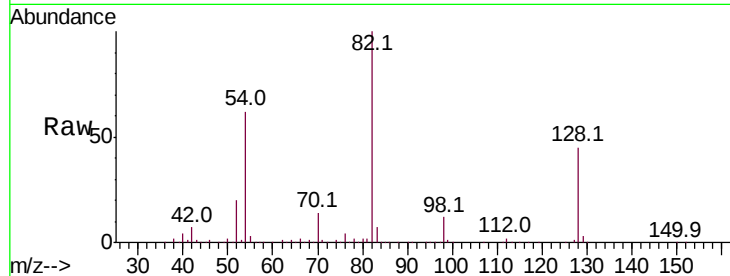
#23
Nitrobenzene-d5
Concen: 65.520 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampled :
DW-4

Tot Ion: 82 Resp: 1146856
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 62.0 41.4 62.2

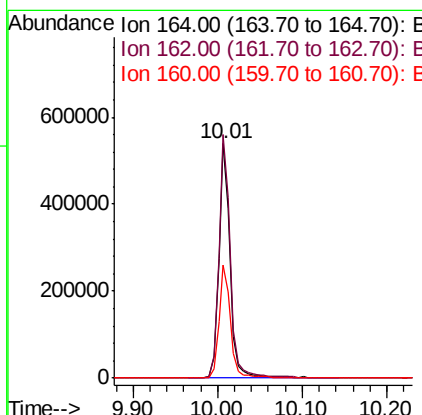
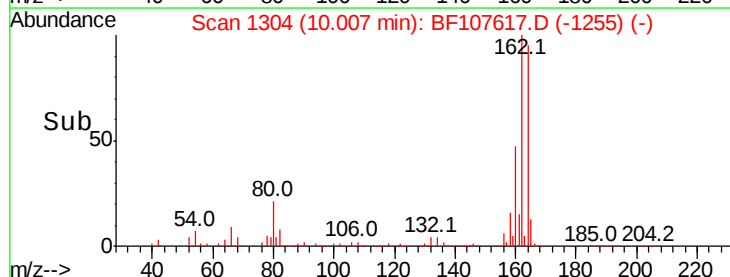
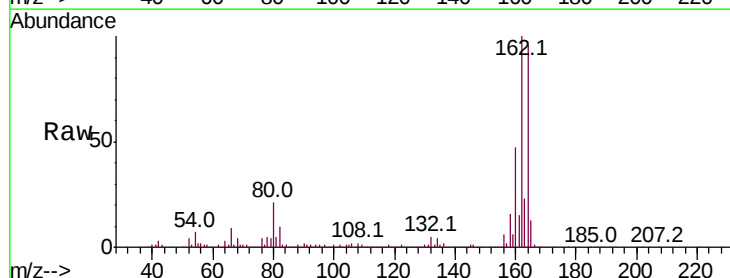
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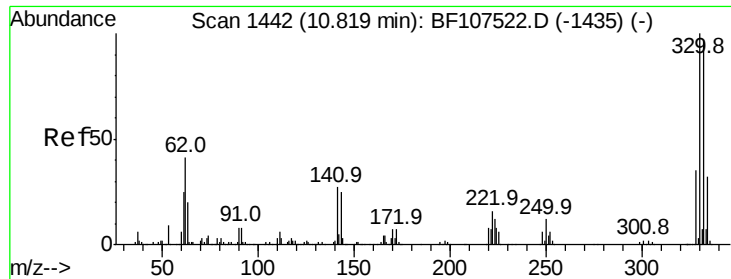
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion:164 Resp: 517111
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 48.5 38.3 57.5





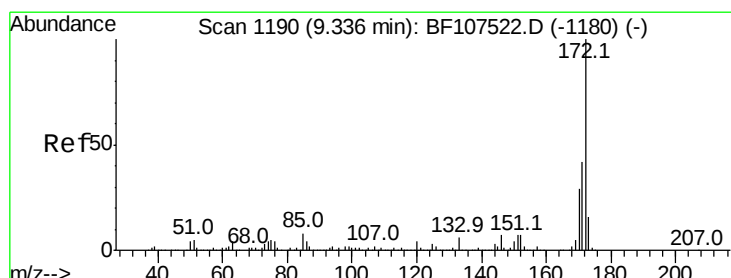
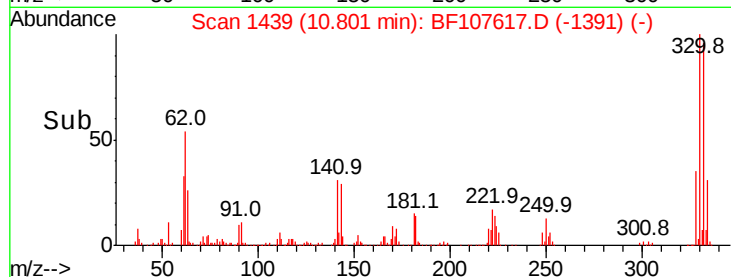
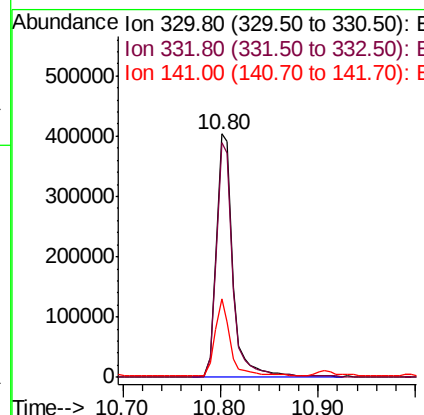
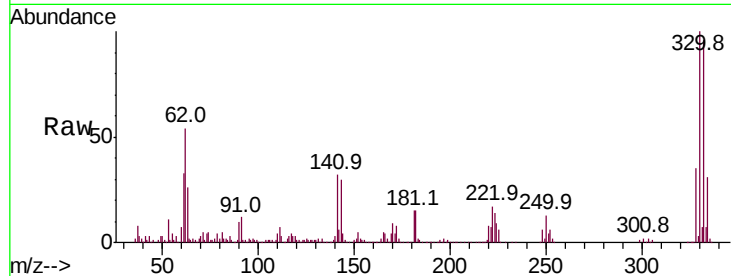
#41
 2,4,6-Tribromophenol
 Concen: 81.190 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Instrument :
 BNA_F
 ClientSampled :
 DW-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	29.0	29.9	44.9#

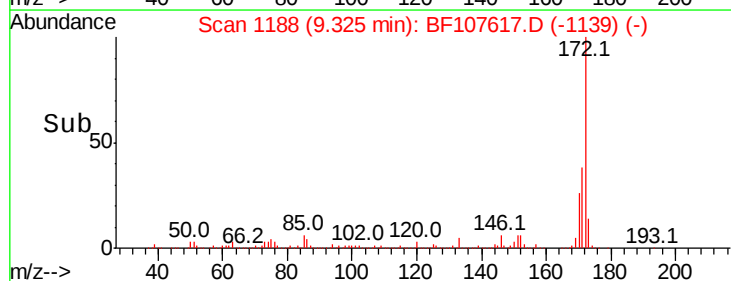
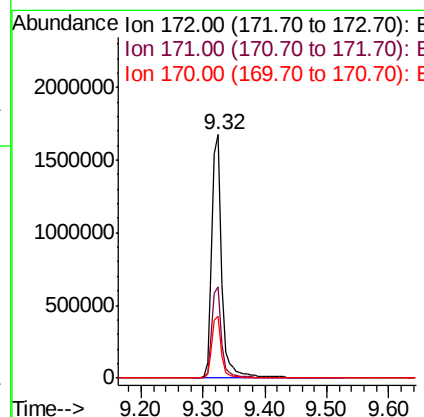
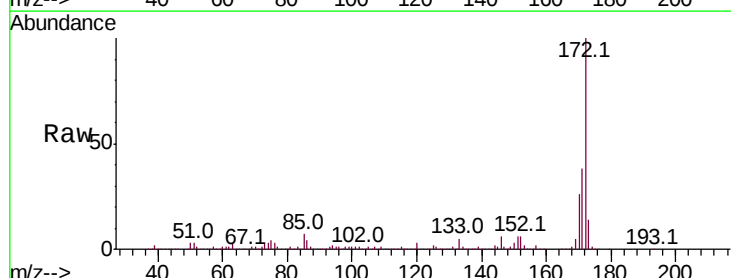
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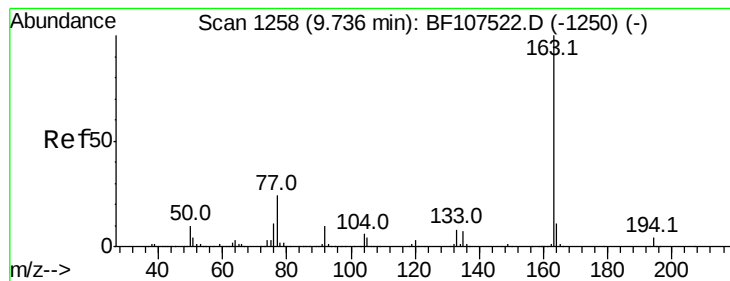
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#44
 2-Fluorobiphenyl
 Concen: 56.545 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.7	44.5
170	25.6	19.6	29.4





#49

Dimethylphthalate

Concen: 4.005 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Instrument :

BNA_F

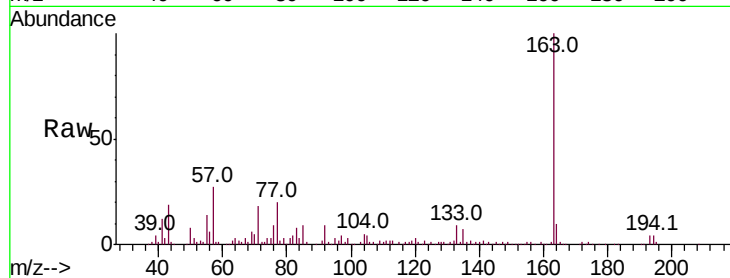
ClientSampleId :

DW-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	156099		
194	4.2		2.7	4.1#
164	10.3		8.2	12.2

Manual Integrations
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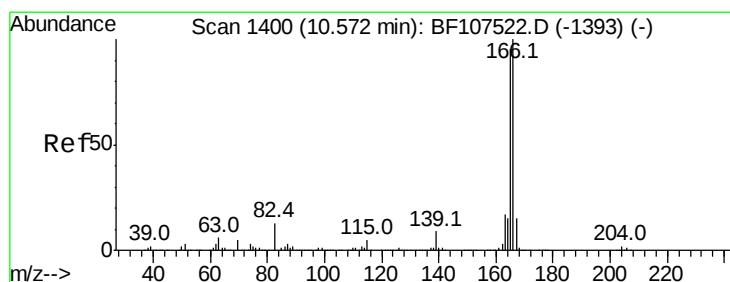
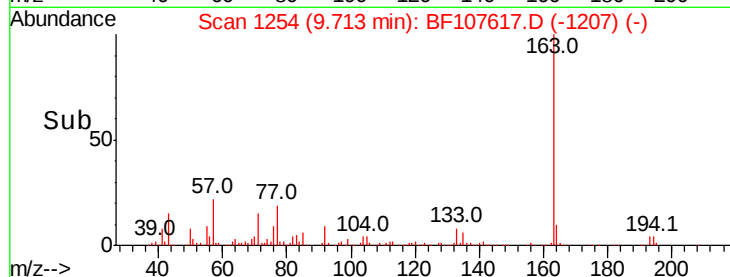
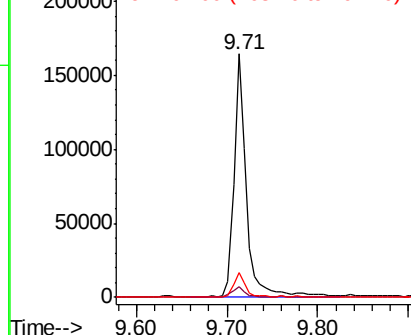


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 6.440 ng

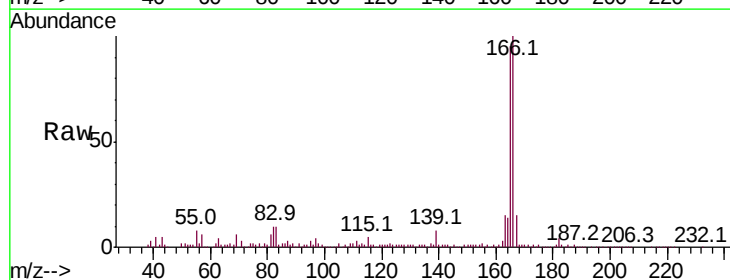
RT: 10.56 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	219189		
165	95.3		79.8	119.8
167	15.1		10.6	16.0

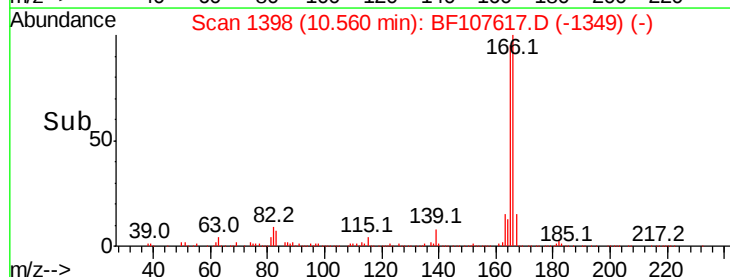
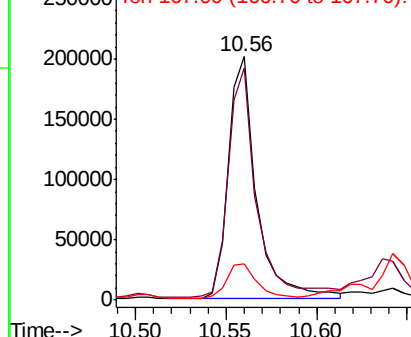


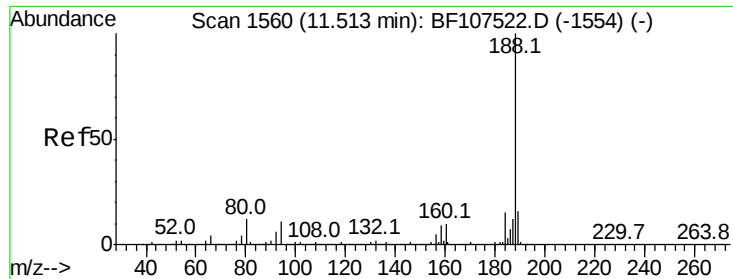
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





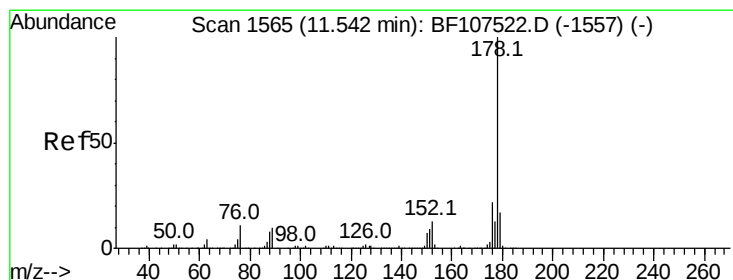
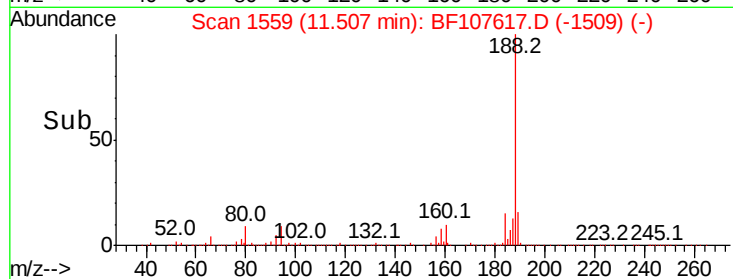
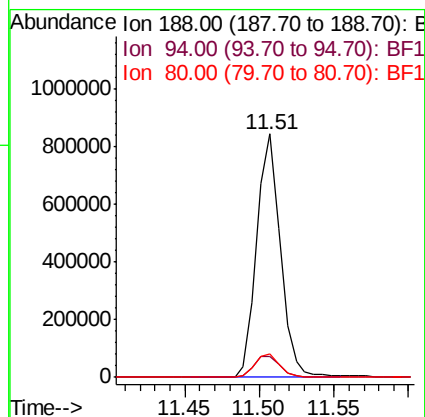
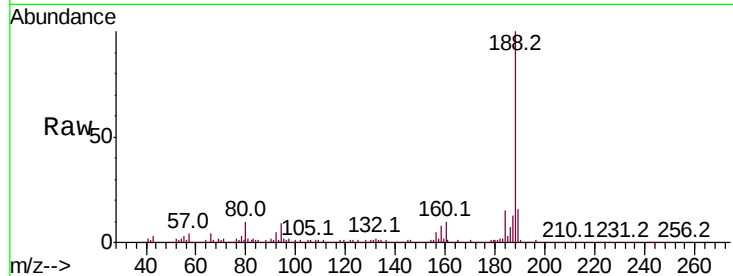
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampled :
DW-4

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	8.5	12.7
80	9.6	9.2	13.8

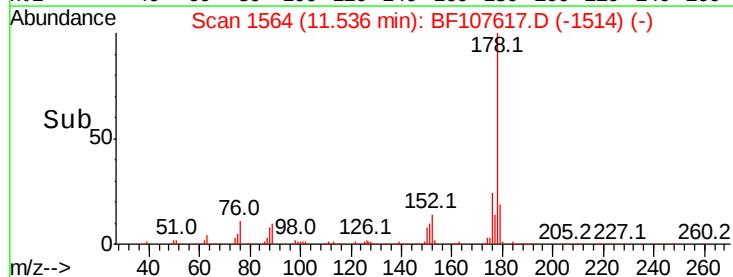
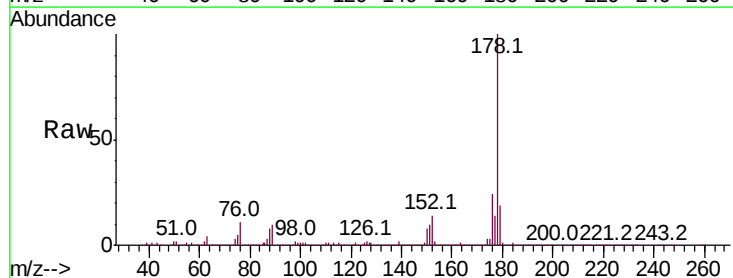
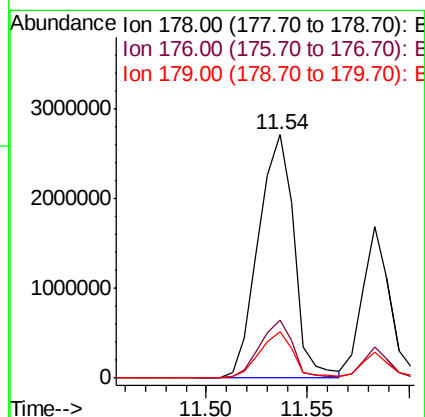
Manual Integrations
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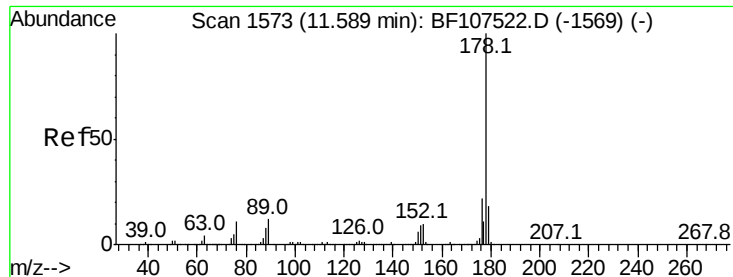
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#70
Phenanthrene
Concen: 74.269 ng m
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	24.1	15.8	23.8#
179	19.3	13.0	19.6





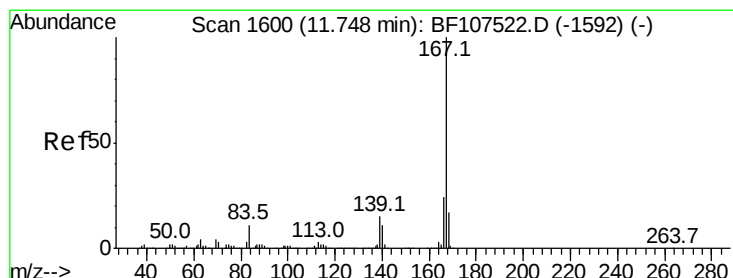
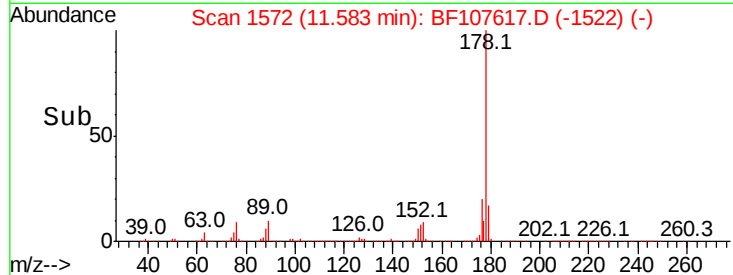
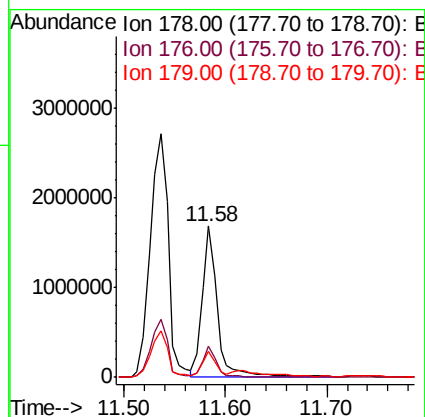
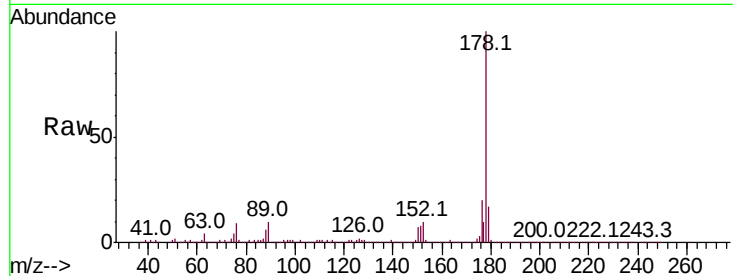
#71
 Anthracene
 Concen: 38.171 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Instrument :
 BNA_F
 ClientSampleId :
 DW-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	16.8	12.6	19.0

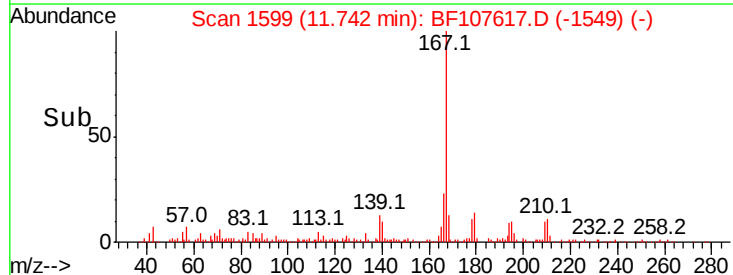
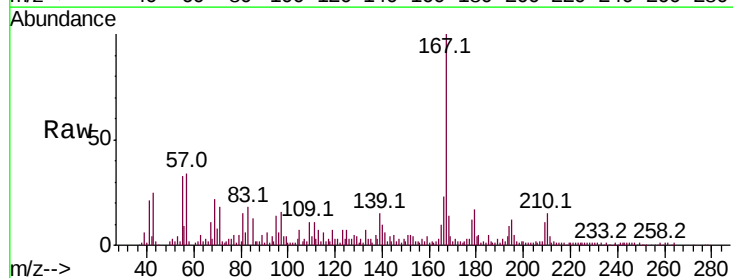
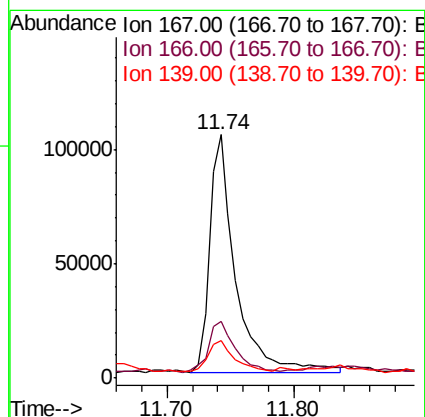
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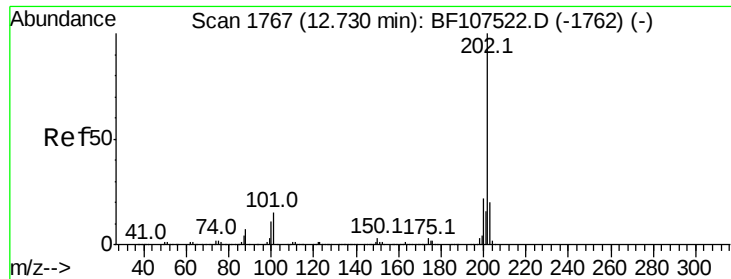
Sohil
 7/25/2018 12:58:02 PM



#72
 Carbazole
 Concen: 3.175 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.6	26.4
139	15.4	10.9	16.3





#74

Fluoranthene

Concen: 95.748 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Instrument :

BNA_F

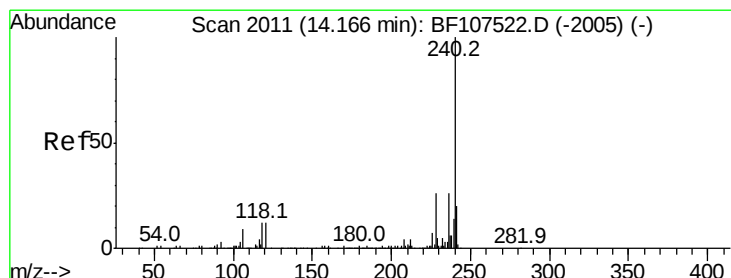
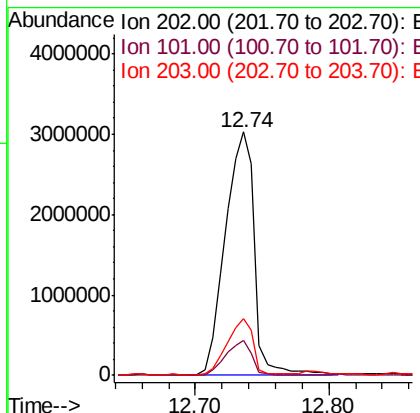
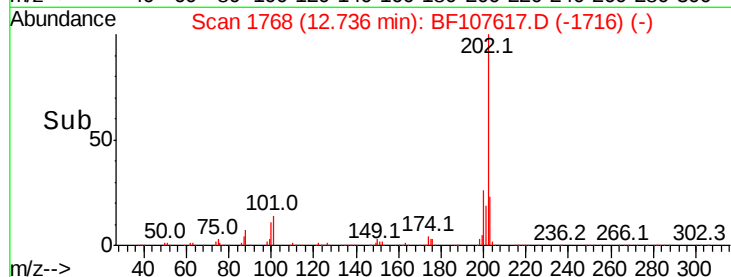
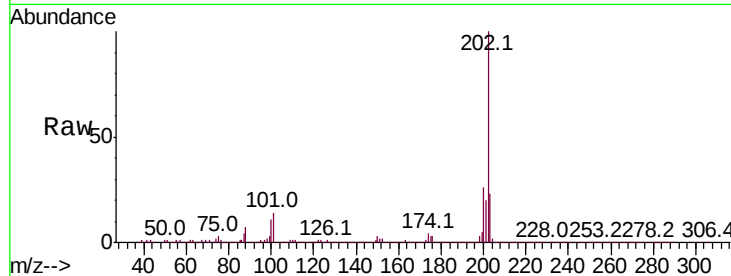
ClientSampleId :

DW-4

Tot Ion:	202	Resp:	4621927
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	34.1
203	23.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

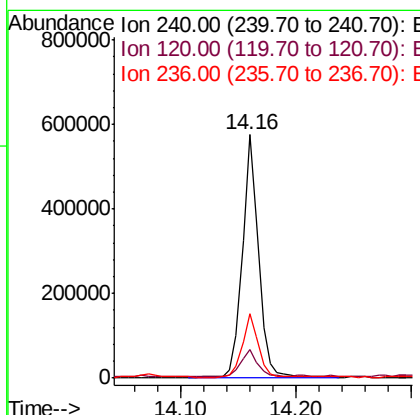
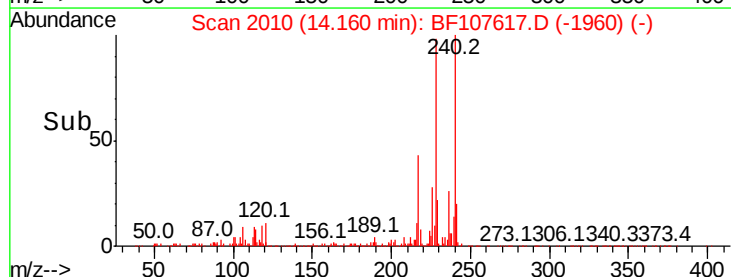
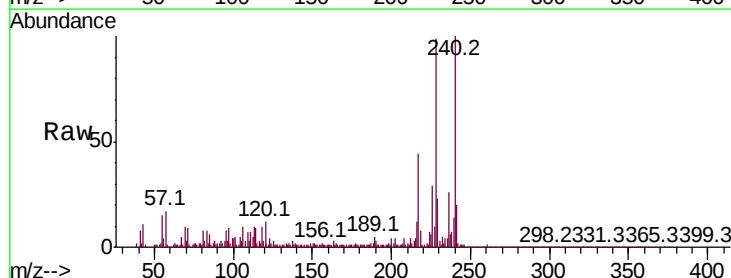
RT: 14.16 min Scan# 2010

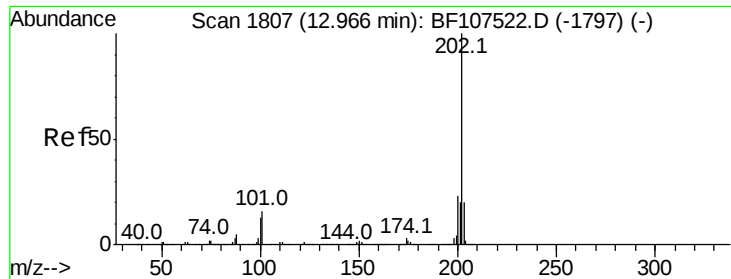
Delta R.T. -0.01 min

Lab File: BF107617.D

Acq: 24 Jul 2018 14:30

Tgt Ion:	240	Resp:	562595
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	26.4	20.7	31.1





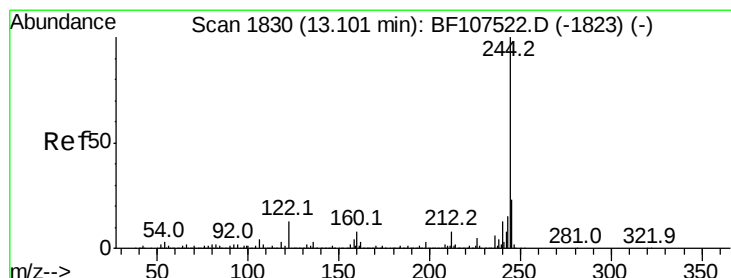
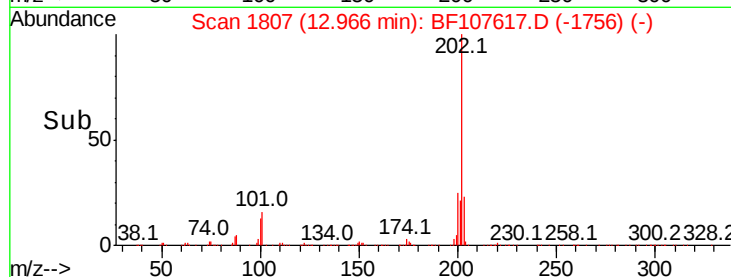
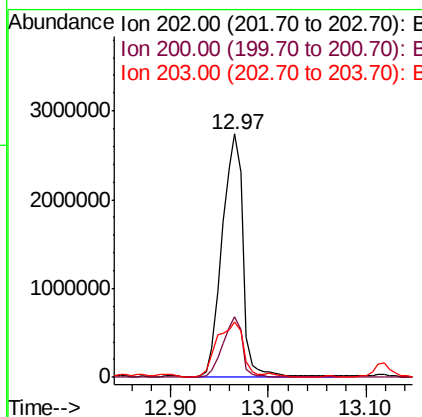
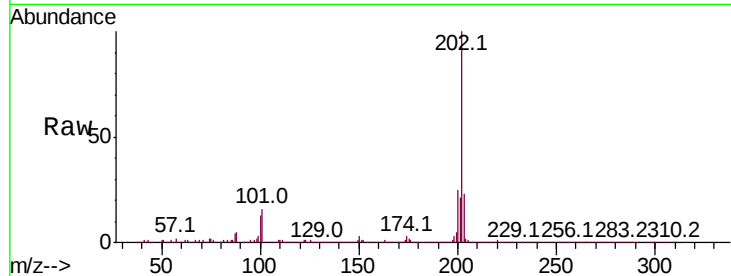
#77
Pvrene
Concen: 105.197 ng
RT: 12.97 min Scan# 1807
Delta R.T. 0.00 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampleId :
DW-4

Tot Ion:202 Resp: 4048219
Ion Ratio Lower Upper
202 100
200 24.9 17.4 26.2
203 23.0 14.3 21.5#

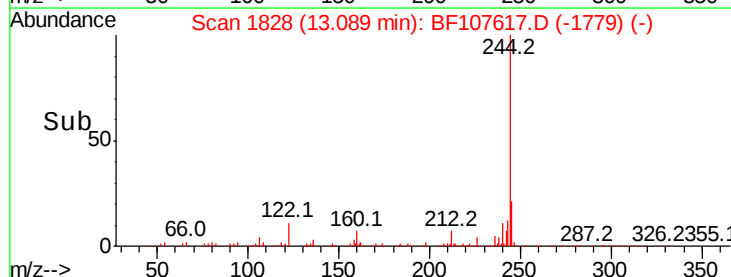
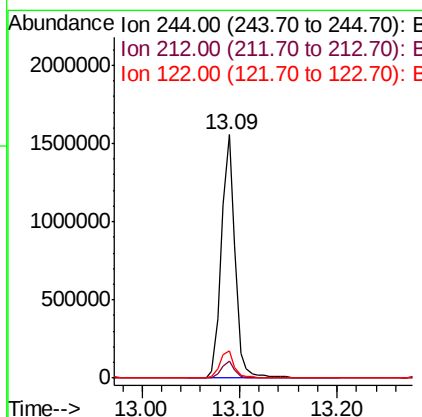
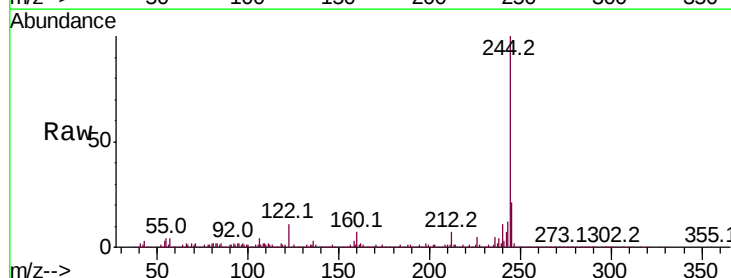
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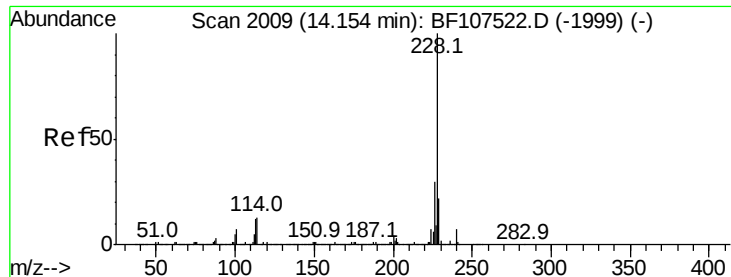
Sohil
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#78
Terphenyl-d14
Concen: 68.480 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion:244 Resp: 1504898
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 11.1 11.0 16.4





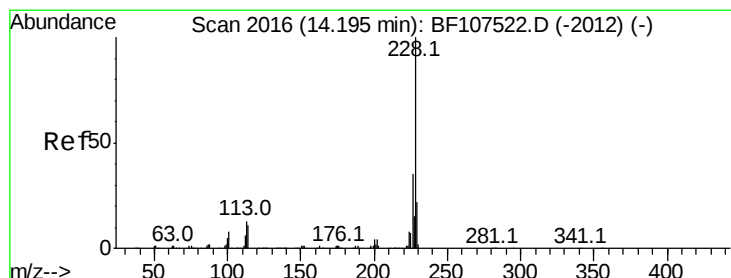
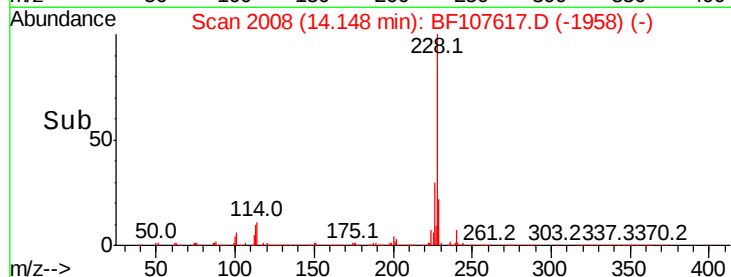
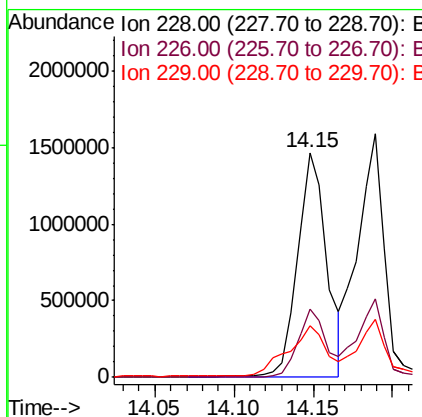
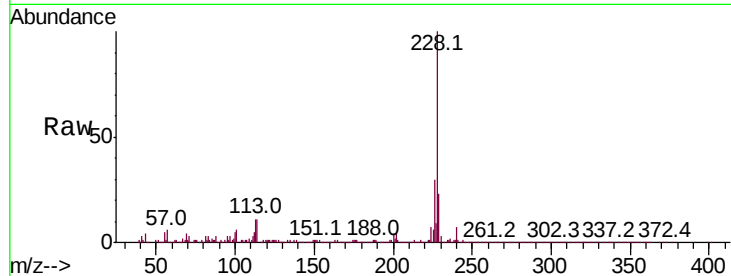
#80
Benzo(a)anthracene
Concen: 56.281 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampleId :
DW-4

Tot Ion:228 Resp: 1855540
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 22.8 15.8 23.6

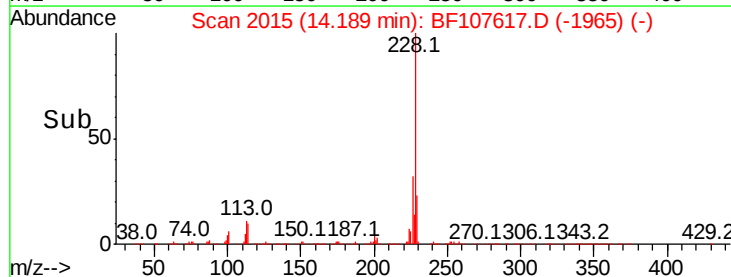
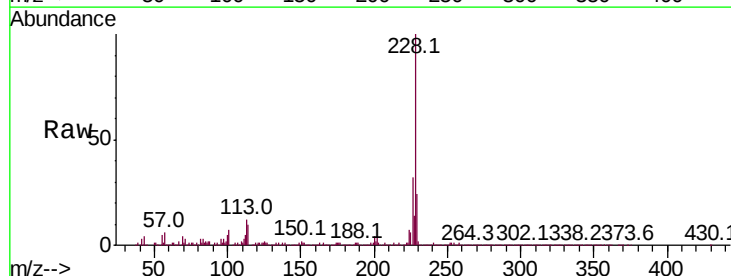
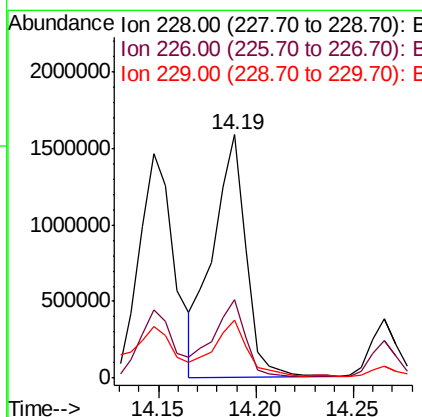
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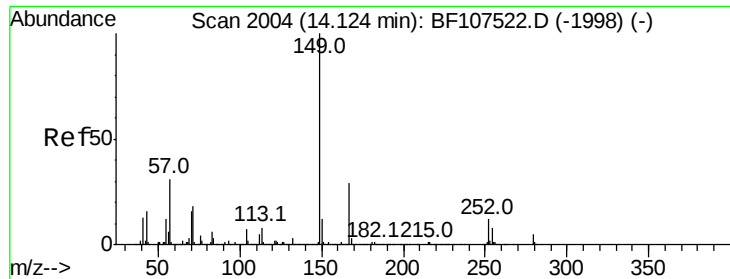
Sohil
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#82
Chrysene
Concen: 59.424 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion:228 Resp: 1881974
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 23.8 16.2 24.4





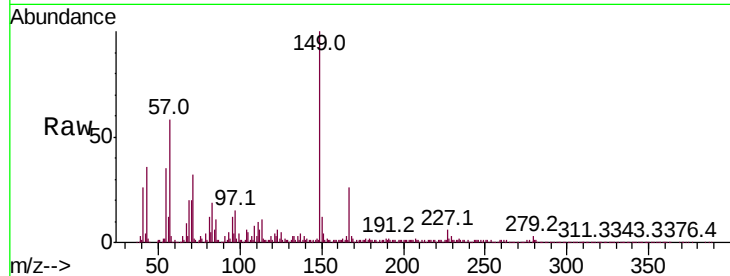
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 14.794 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Instrument :
 BNA_F
 ClientSampleID :
 DW-4

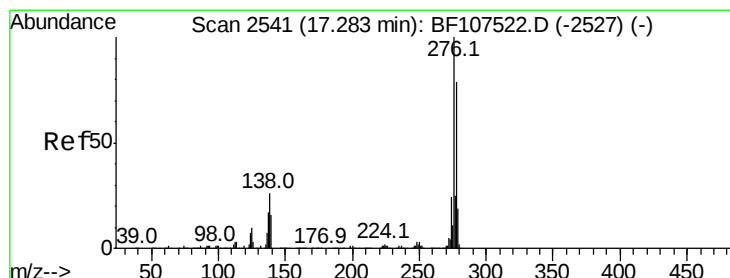
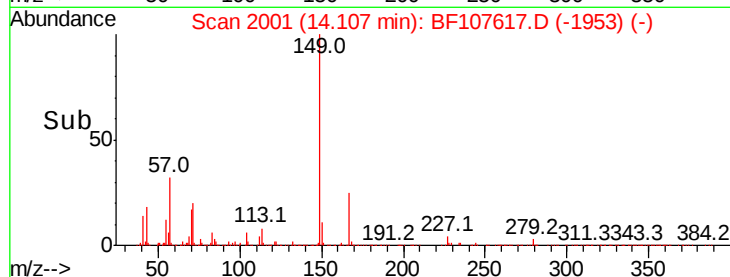
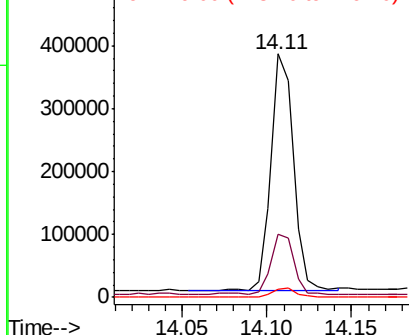
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.3	31.9
279	3.2	3.0	4.4

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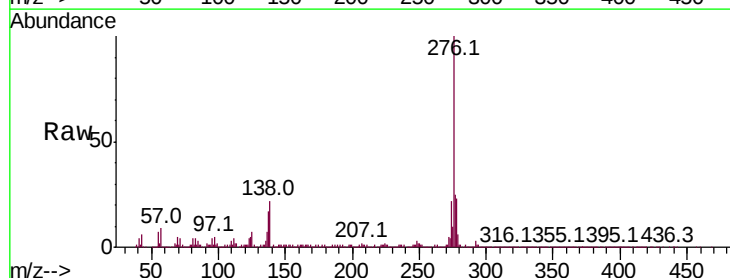


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

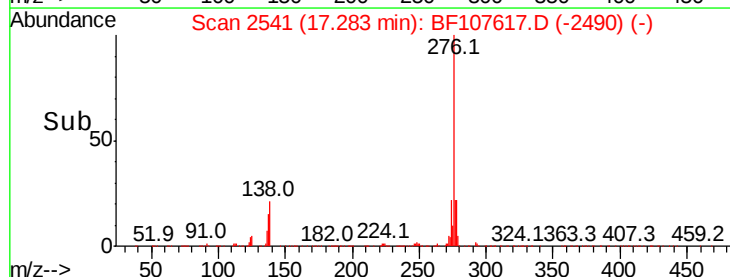
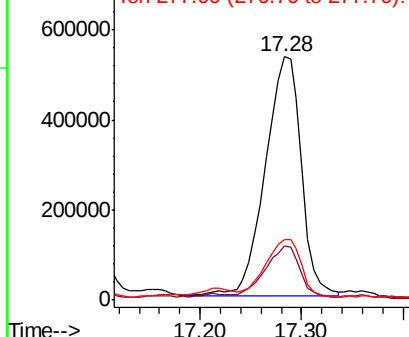


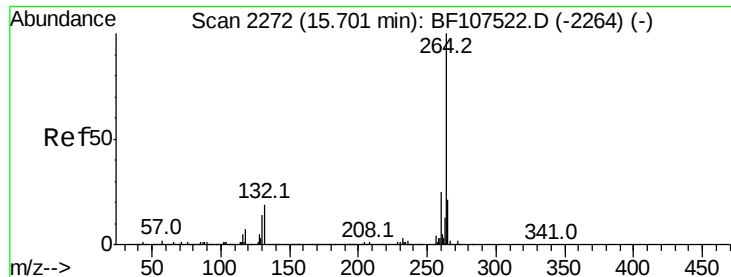
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 48.762 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. 0.00 min
 Lab File: BF107617.D
 Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	24.2	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





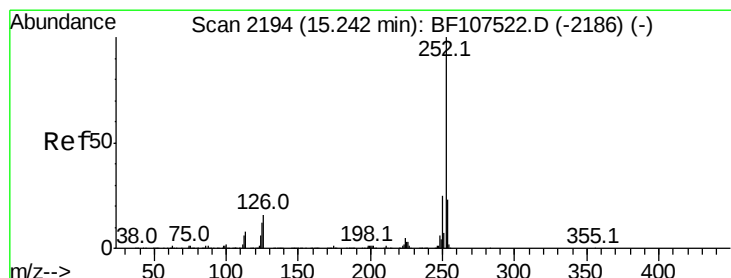
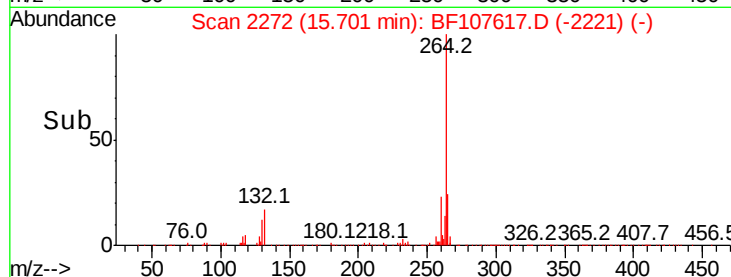
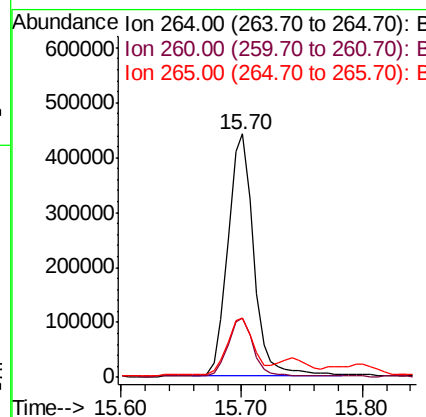
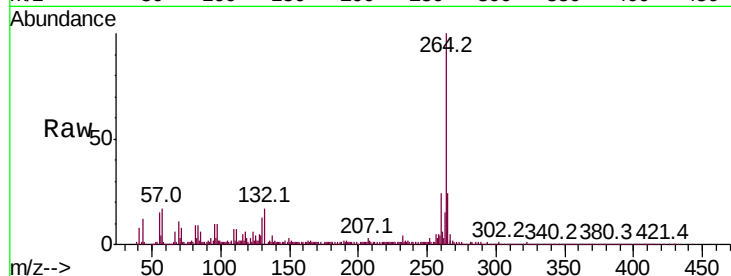
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampled :
DW-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	24.1	17.5	26.3

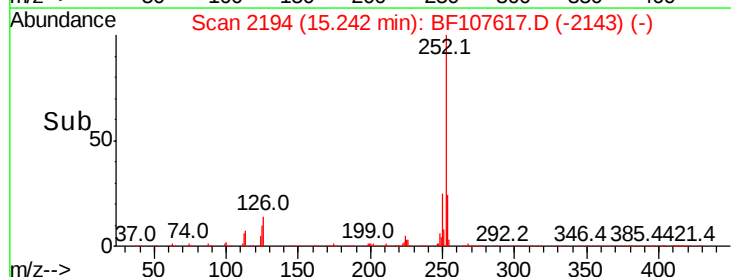
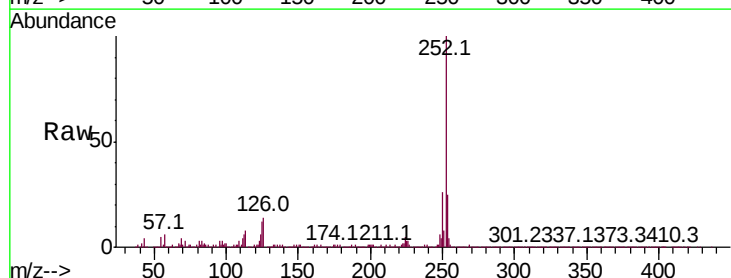
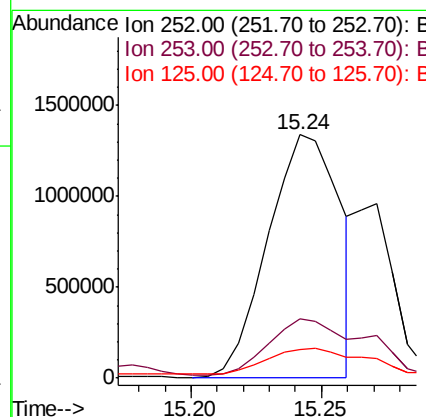
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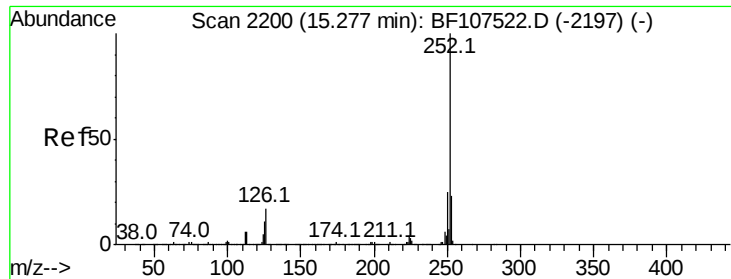
Sohil
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#87
Benzo(b)fluoranthene
Concen: 71.701 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	11.9	9.0	13.6





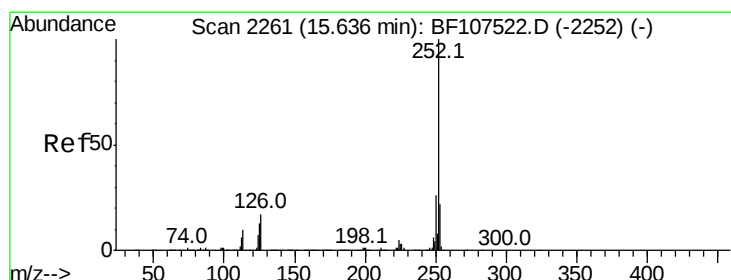
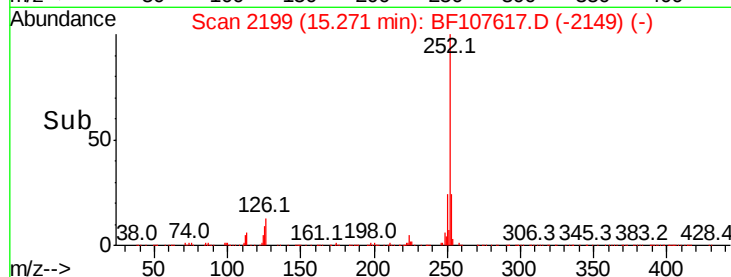
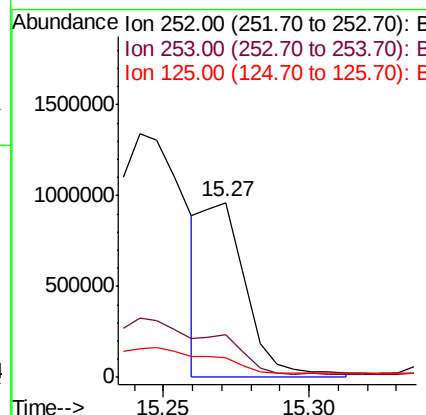
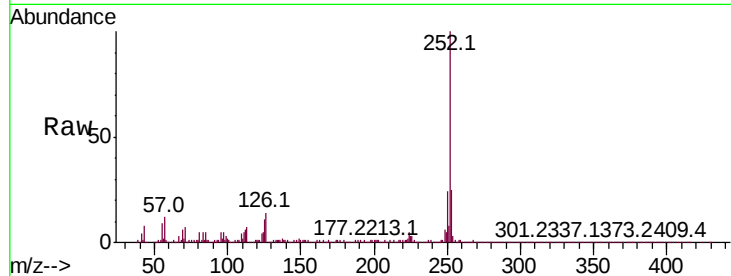
#88
Benzo(k)fluoranthene
Concen: 28.845 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampleId :
DW-4

Tot Ion:252 Resp: 1011165
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 11.4 10.2 15.2

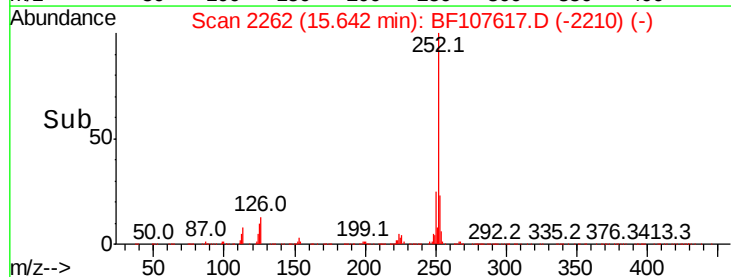
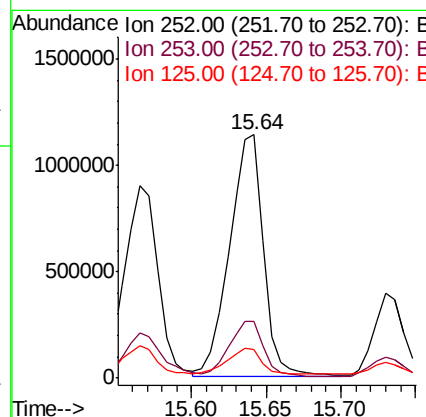
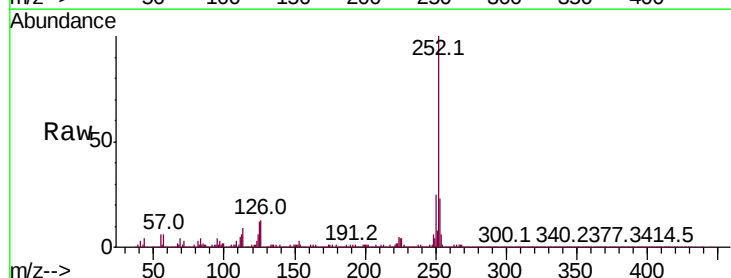
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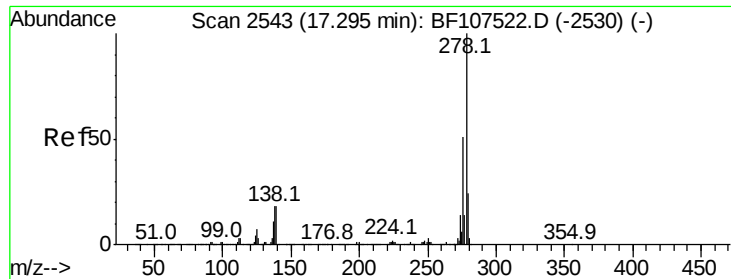
Sohil
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#89
Benzo(a)pyrene
Concen: 56.046 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion:252 Resp: 1834357
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.6 9.8 14.6





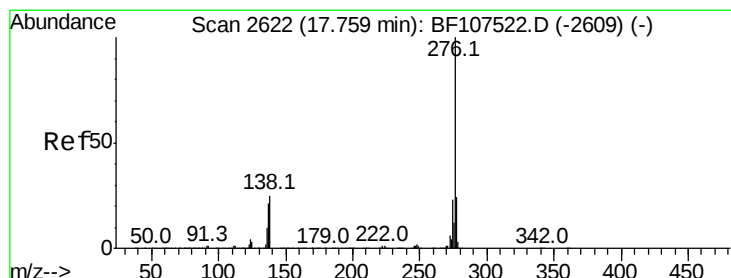
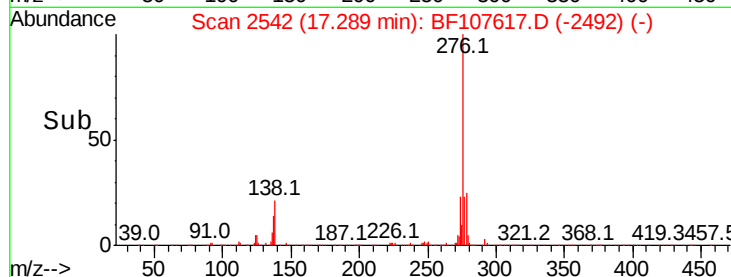
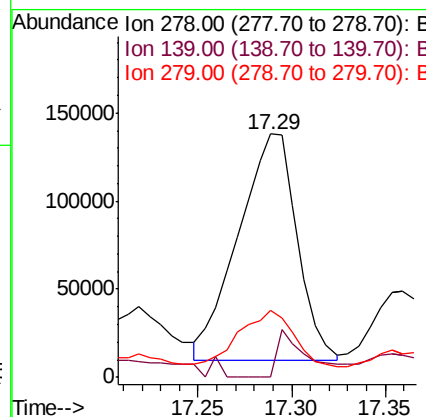
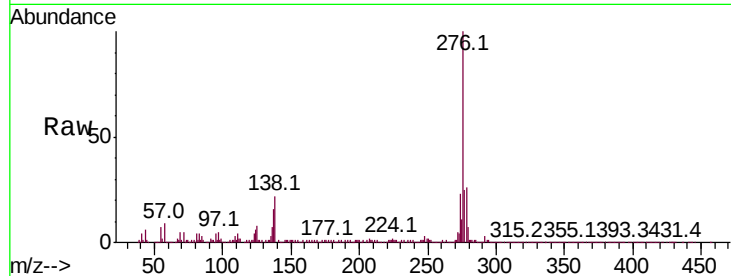
#90
Dibenzo(a,h)anthracene
Concen: 9.939 ng/mL
RT: 17.29 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Instrument :
BNA_F
ClientSampleID :
DW-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.5	19.0	28.4

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7/25/2018 12:58:02 PM



#91
Benzo(g,h,i)perylene
Concen: 44.359 ng/mL
RT: 17.77 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF107617.D
Acq: 24 Jul 2018 14:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	21.9	21.8	32.8

