

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107618.D
 Acq On : 24 Jul 2018 14:57
 Operator : JU/SJ
 Sample : J4096-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-5

Manual Integrations
 APPROVED

Sohil
 7/25/2018 12:58:06 PM

Quant Time: Jul 25 02:28:15 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	261581	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1044995	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	443951	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	781087	20.00	ng	0.00
75) Chrysene-d12	14.16	240	494156	20.00	ng	0.00
86) Perylene-d12	15.71	264	539587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	722463	44.41	ng	-0.01
7) Phenol-d6	6.60	99	949967	48.63	ng	-0.01
23) Nitrobenzene-d5	7.53	82	567632	36.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	229907	45.54	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1034197	32.37	ng	-0.02
78) Terphenyl-d14	13.09	244	758135	39.28	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.96	142	69958	2.197	ng	98
49) Dimethylphthalate	9.71	163	77205	2.307	ng	# 96
51) Acenaphthene	10.04	154	78452	2.820	ng	98
57) Fluorene	10.56	166	140140	4.796	ng	# 91
70) Phenanthrene	11.53	178	1406928	36.964	ng	99
71) Anthracene	11.58	178	210751	5.499	ng	97
72) Carbazole	11.74	167	236650	5.938	ng	99
74) Fluoranthene	12.73	202	2550896	62.455	ng	96
77) Pyrene	12.96	202	1933827	57.212	ng	98
80) Benzo(a)anthracene	14.15	228	576502	19.908	ng	97
82) Chrysene	14.19	228	1059188	38.076	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	754098	36.767	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	504730	21.408	ng	# 89
87) Benzo(b)fluoranthene	15.25	252	1382039m	46.800	ng	
88) Benzo(k)fluoranthene	15.27	252	369686m	12.778	ng	
89) Benzo(a)pyrene	15.64	252	604651	22.384	ng	# 91
90) Dibenzo(a,h)anthracene	17.29	278	99753	4.272	ng	# 79
91) Benzo(g,h,i)perylene	17.77	276	495325	21.505	ng	93

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

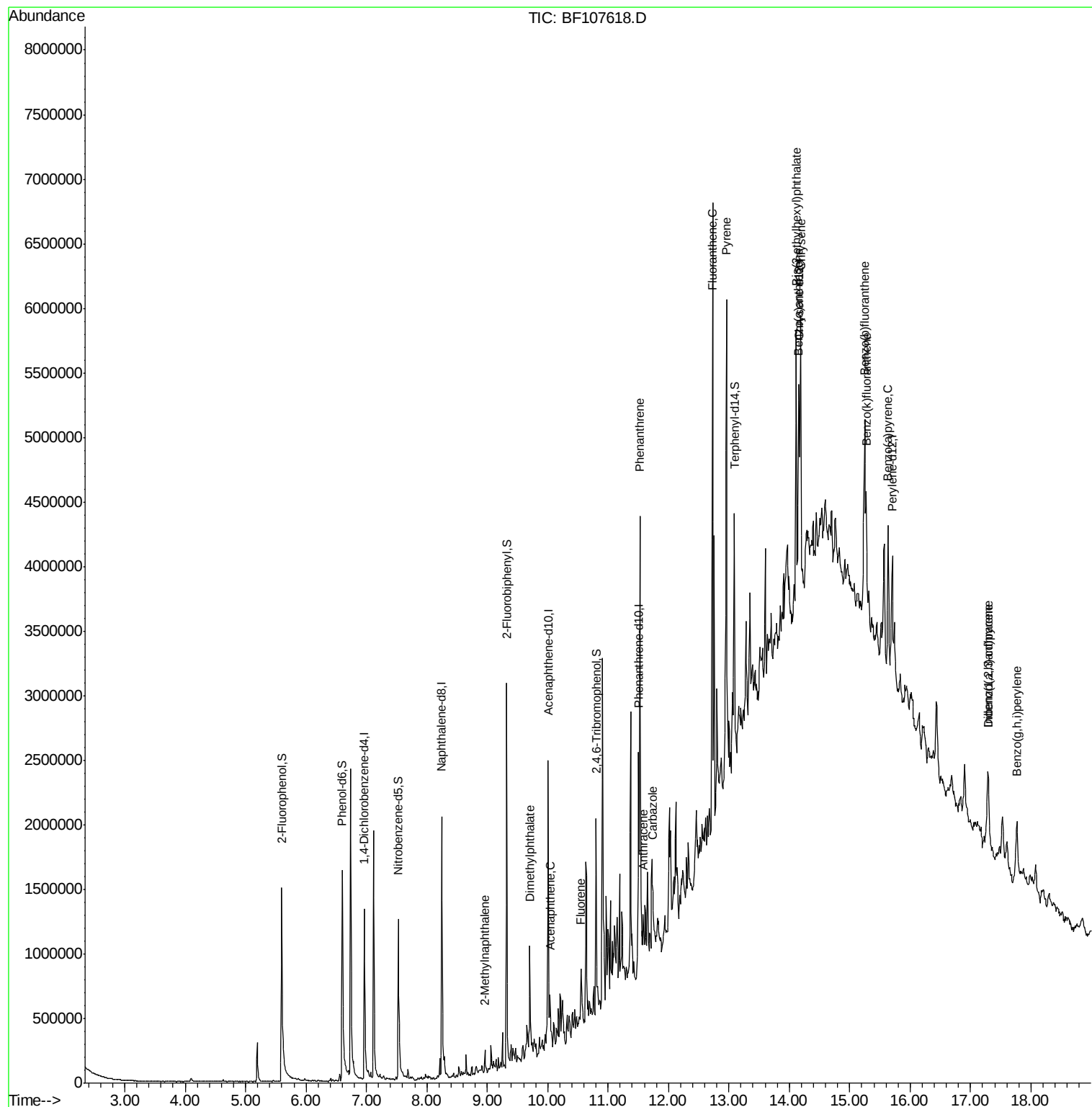
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107618.D
Acq On : 24 Jul 2018 14:57
Operator : JU/SJ
Sample : J4096-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

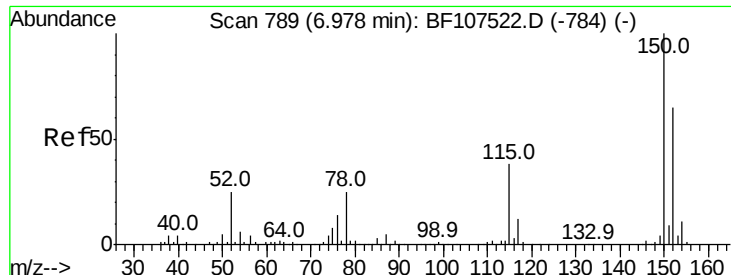
Instrument :
BNA_F
ClientSampled :
DW-5

Quant Time: Jul 25 02:28:15 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
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#1

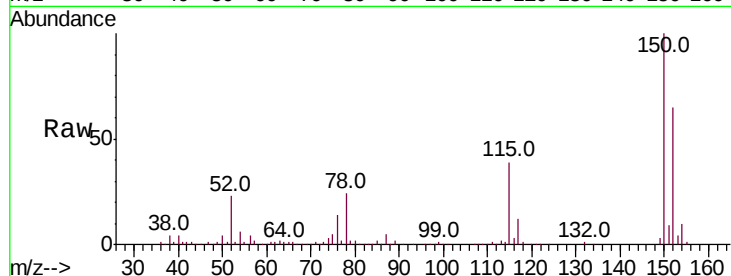
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	60.3	50.1	75.1

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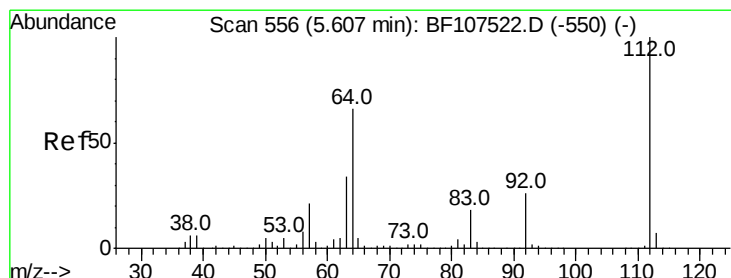
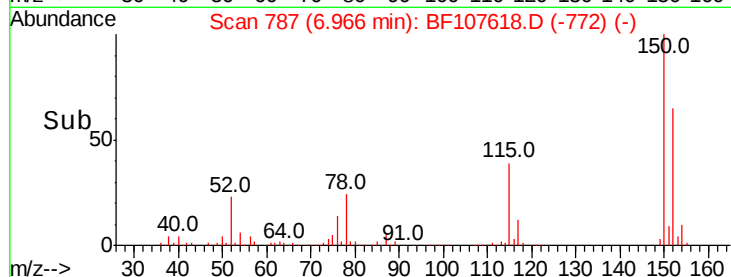
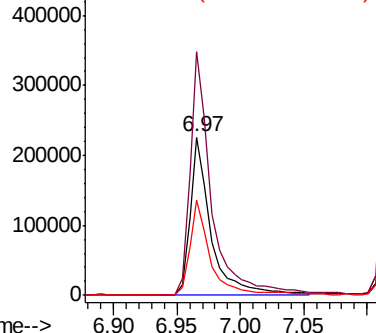


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

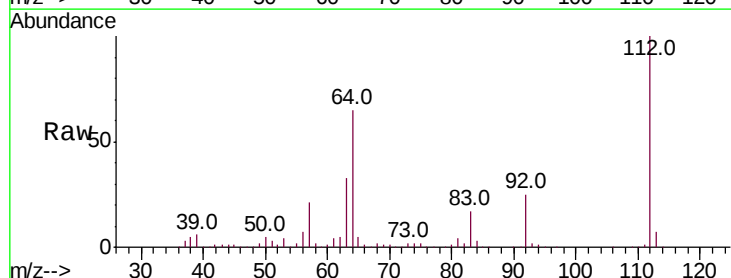
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.406 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	33.0	23.7	35.5

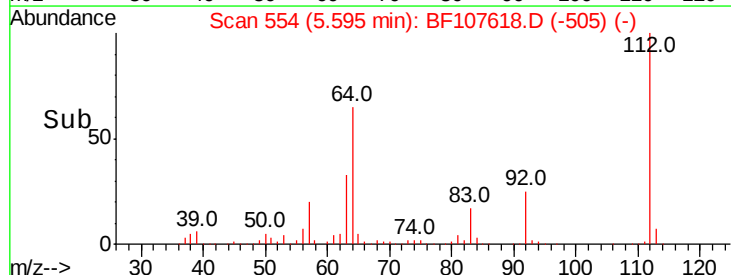
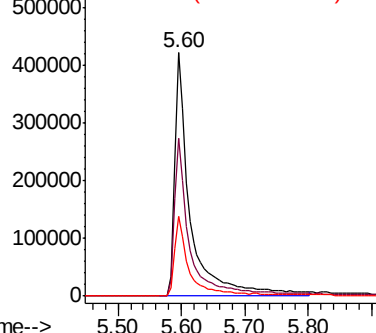


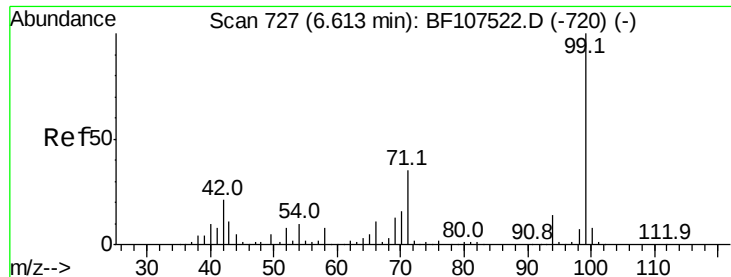
Abundance

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: 48.628 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

Instrument :

BNA_F

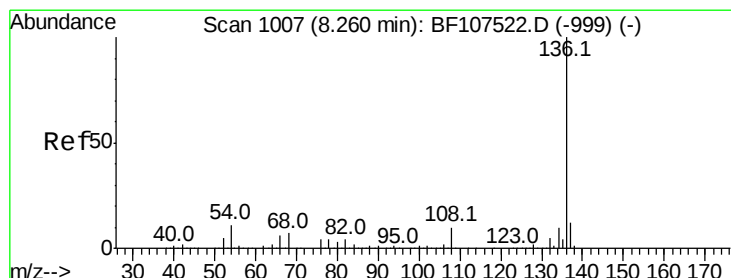
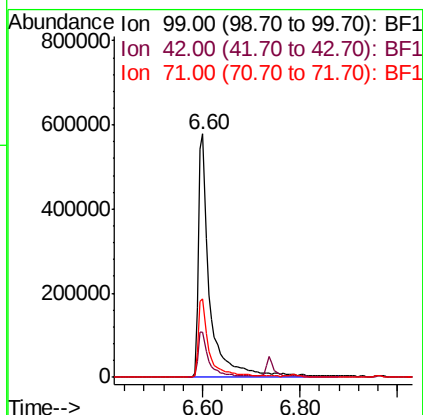
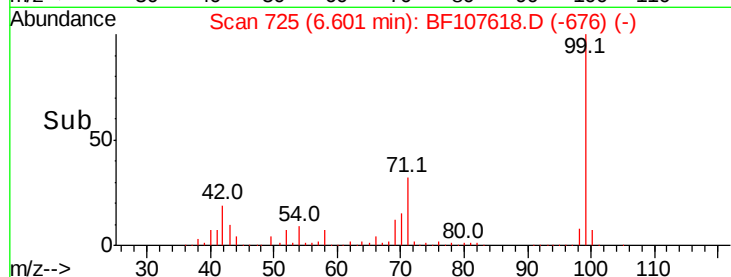
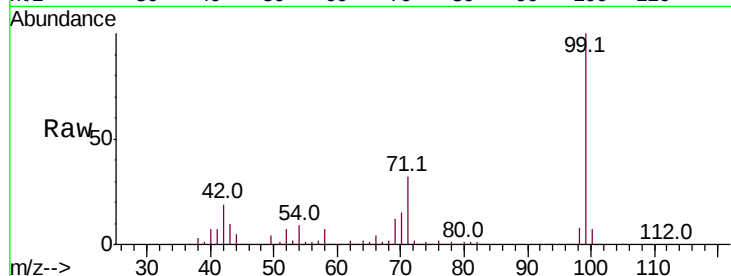
ClientSampled :

DW-5

Tot Ion:	99	Resp:	949967
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

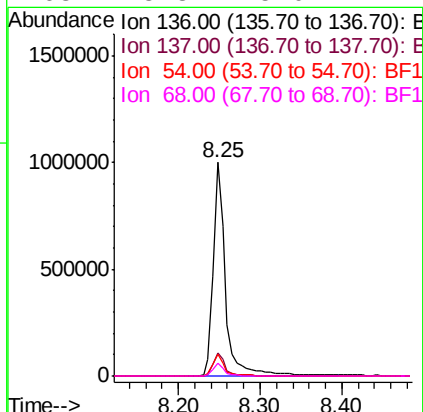
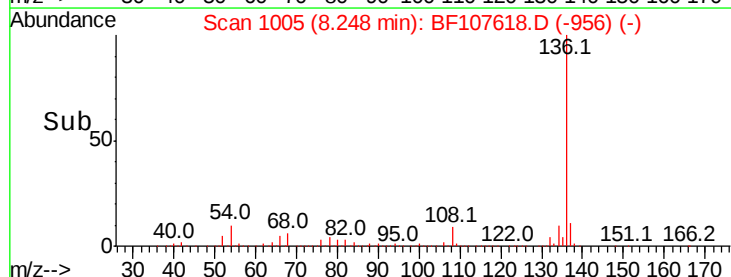
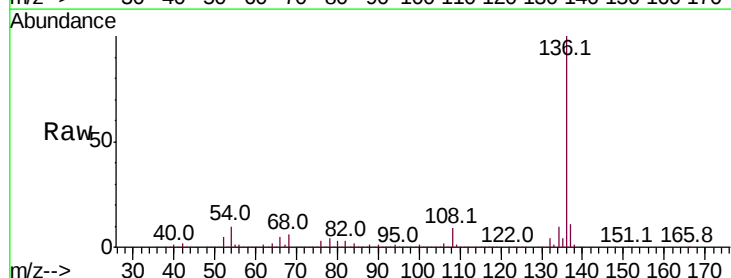
RT: 8.25 min Scan# 1005

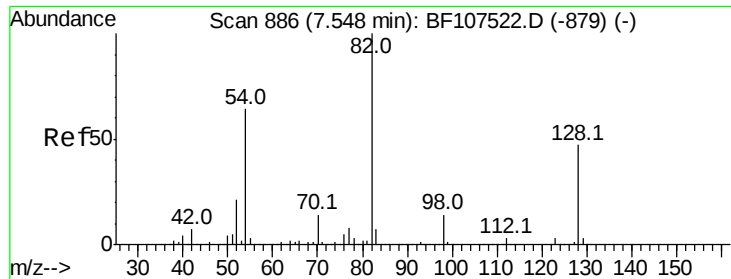
Delta R.T. -0.01 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

Tgt Ion:	136	Resp:	1044995
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	10.1	6.6	9.8#
68	5.8	5.0	7.4





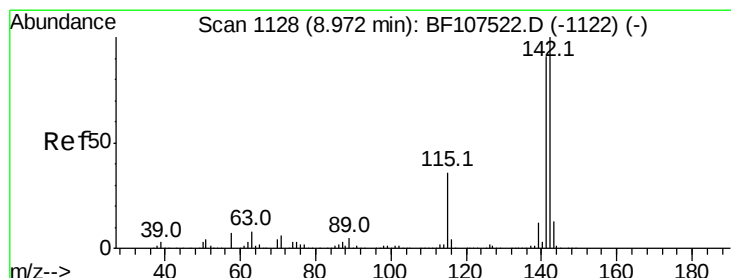
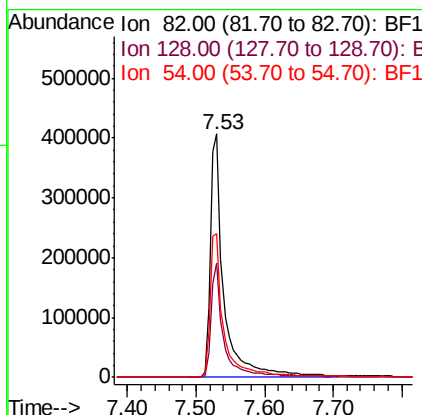
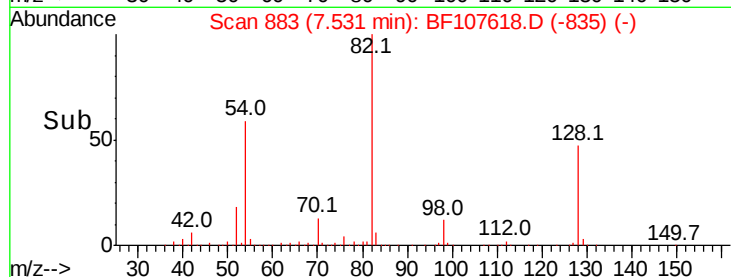
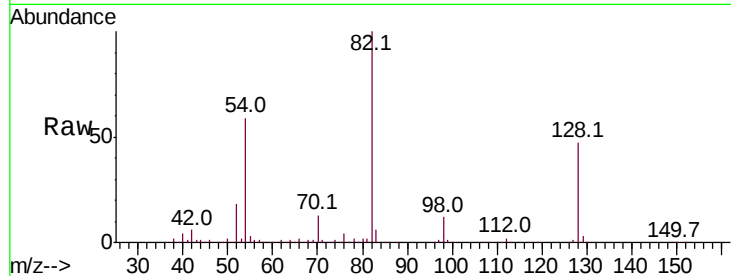
#23
Nitrobenzene-d5
Concen: 36.659 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
Client Sampled :
DW-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	36.1	54.1	
54	59.2	41.4	62.2	

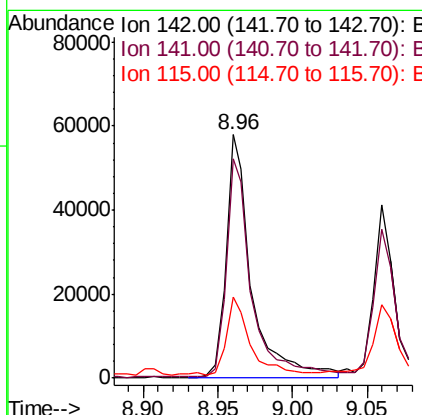
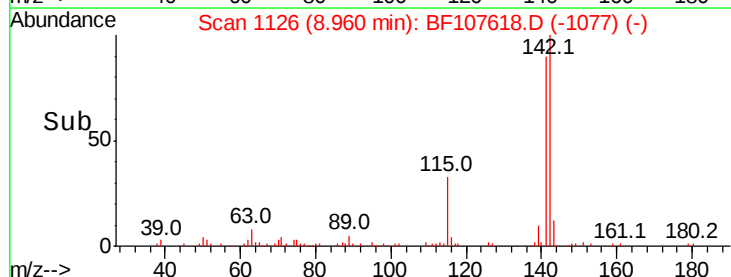
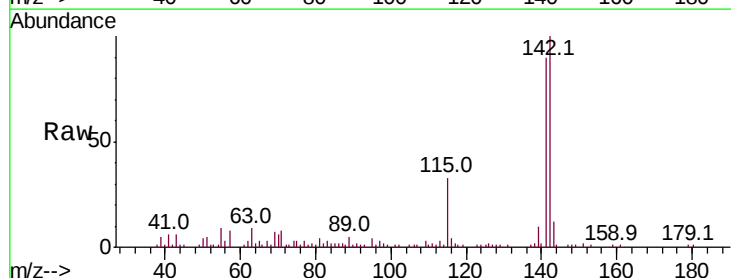
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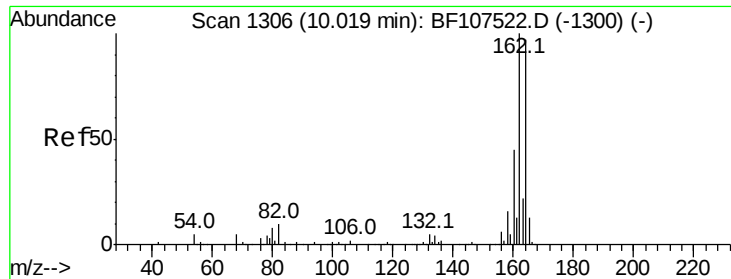
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#37
2-Methylnaphthalene
Concen: 2.197 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	90.1	70.8	106.2	
115	33.2	26.1	39.1	





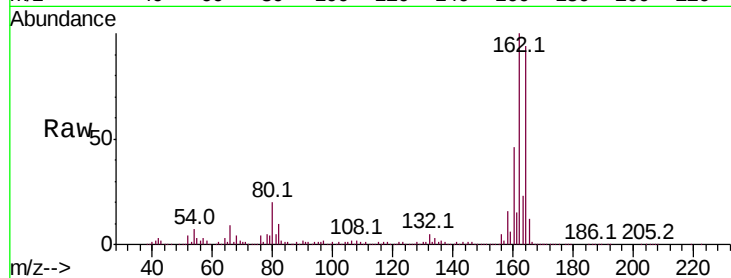
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.1	129.1
160	48.8	38.3	57.5

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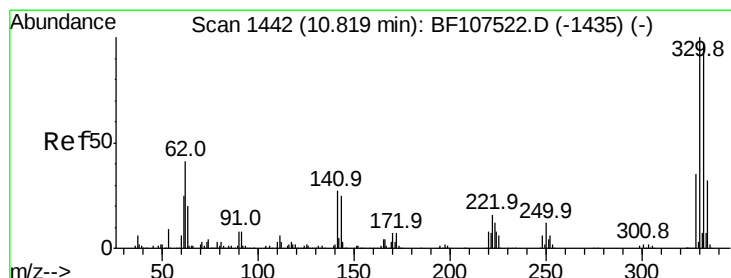
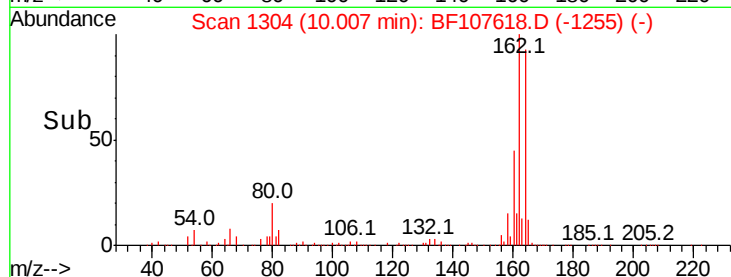
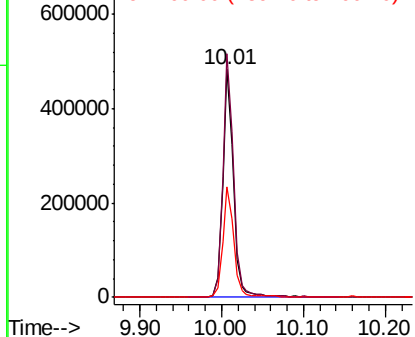


Abundance

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: 45.540 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

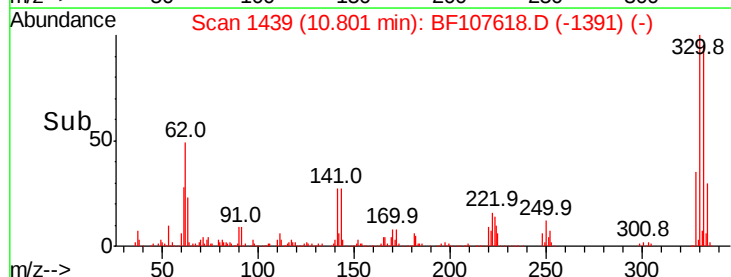
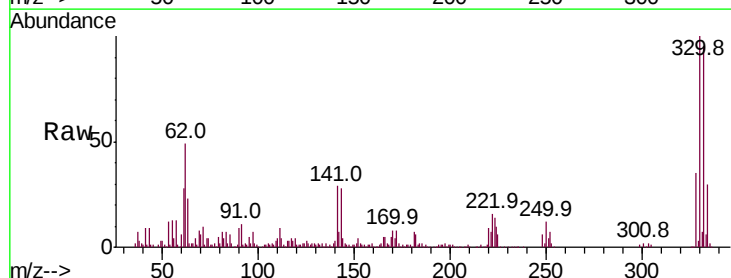
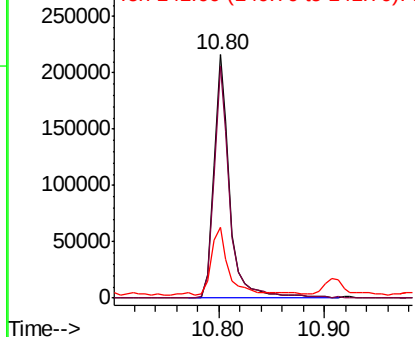
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	31.6	29.9	44.9

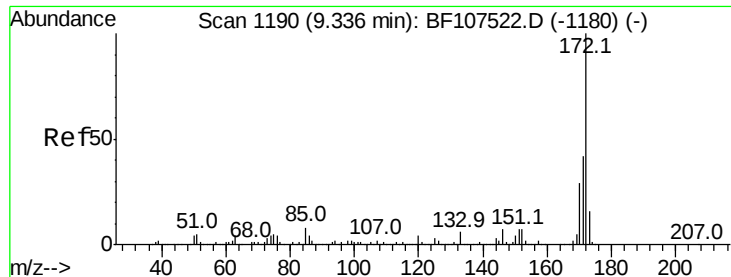
Abundance

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





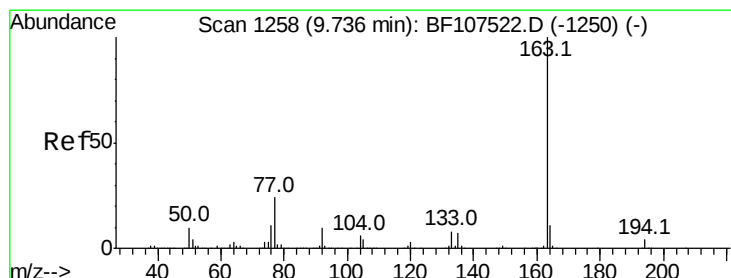
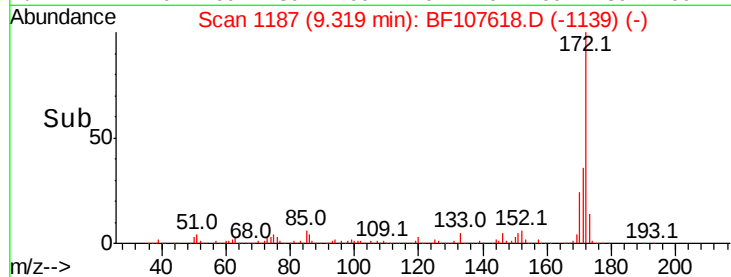
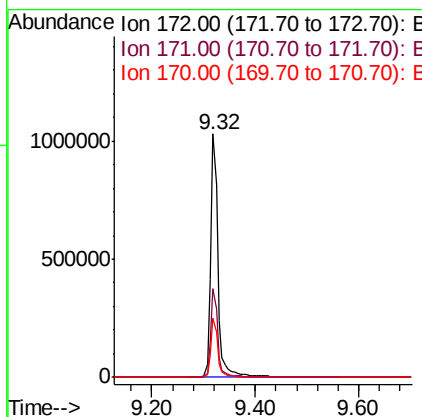
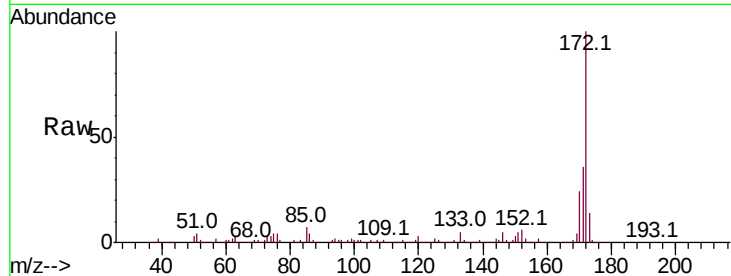
#44
2-Fluorobiphenyl
Concen: 32.371 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

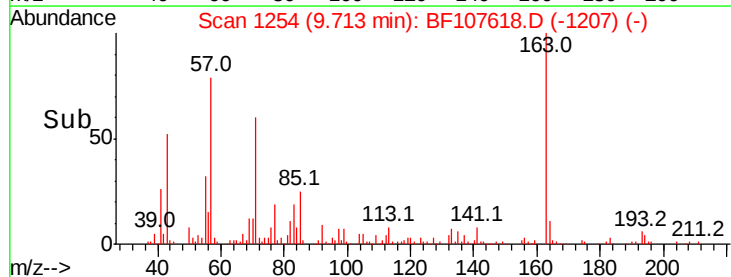
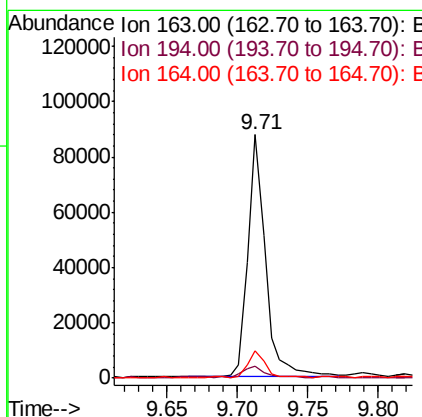
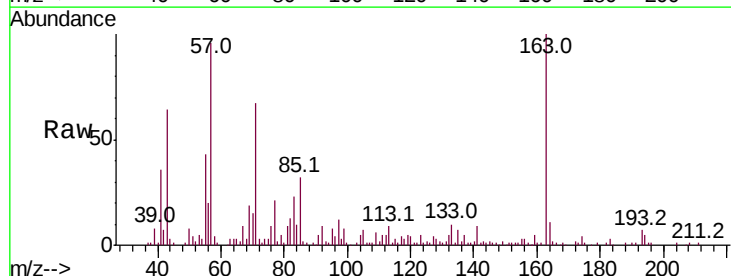
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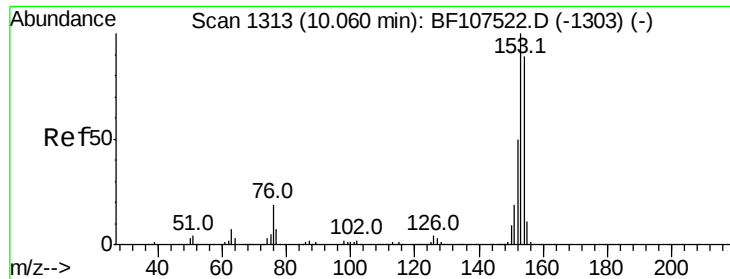
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#49
Dimethylphthalate
Concen: 2.307 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	2.7	4.1#
164	11.4	8.2	12.2





#51

Acenaphthene

Concen: 2.820 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

Instrument :

BNA_F

ClientSampleId :

DW-5

Tot Ion:154 Resp: 78452

Ion Ratio Lower Upper

154 100

153 115.0 91.2 136.8

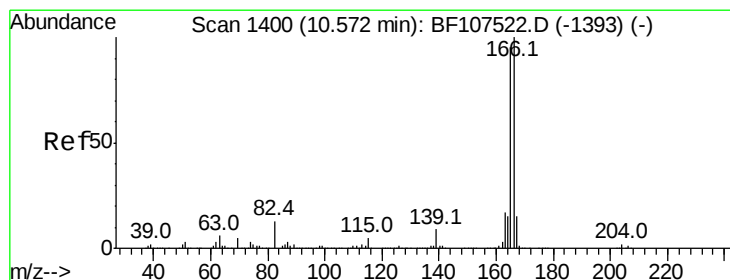
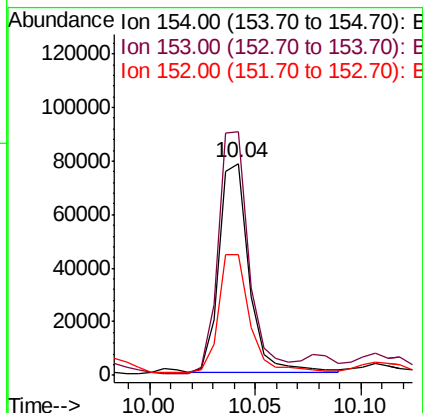
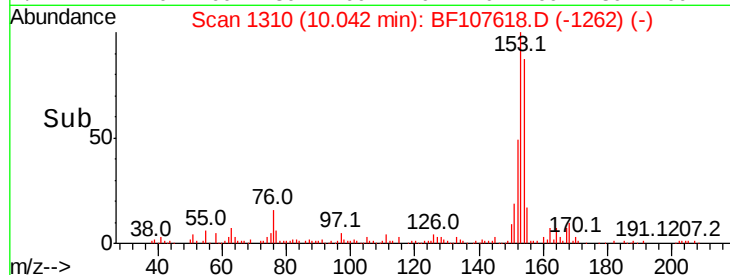
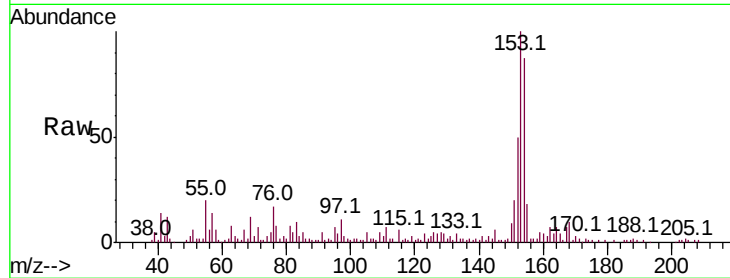
152 57.0 43.8 65.8

Manual Integrations

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#57

Fluorene

Concen: 4.796 ng

RT: 10.56 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

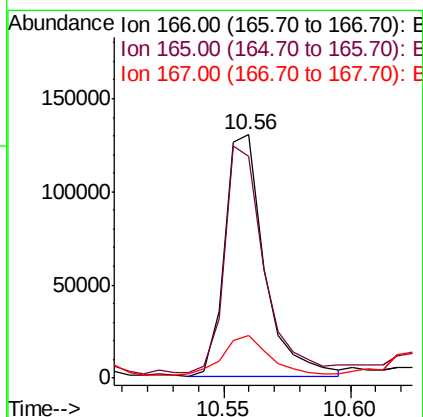
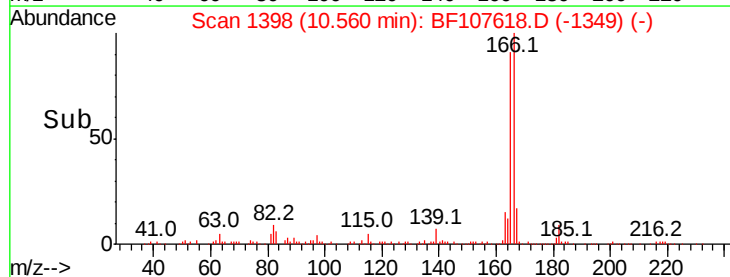
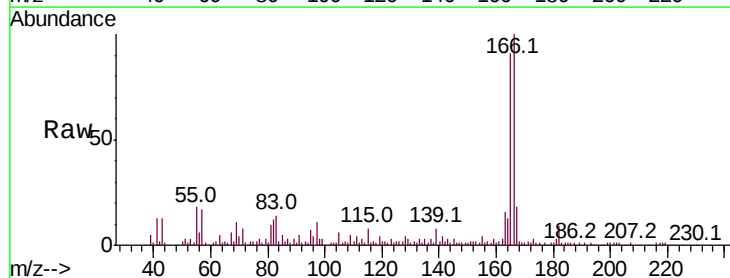
Tgt Ion:166 Resp: 140140

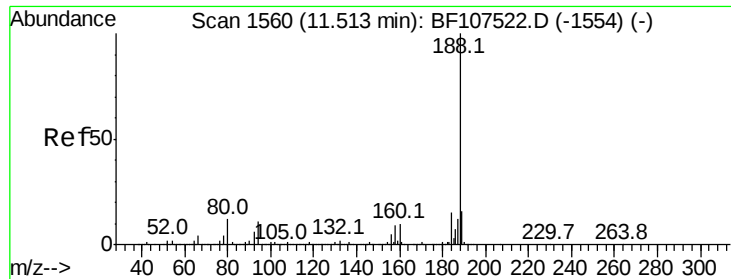
Ion Ratio Lower Upper

166 100

165 91.2 79.8 119.8

167 17.7 10.6 16.0#





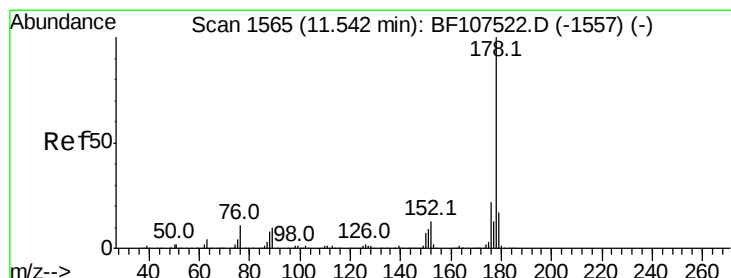
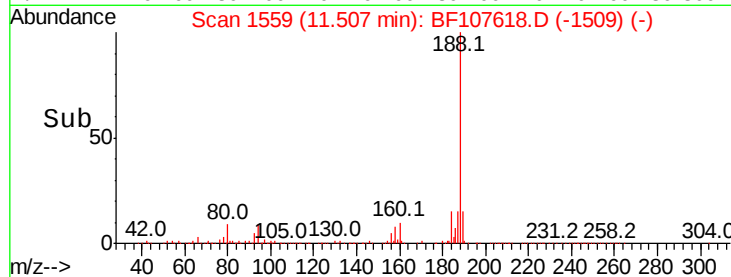
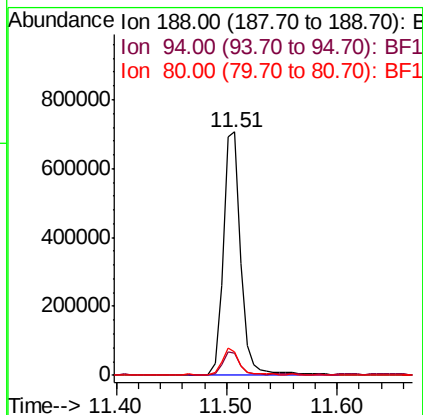
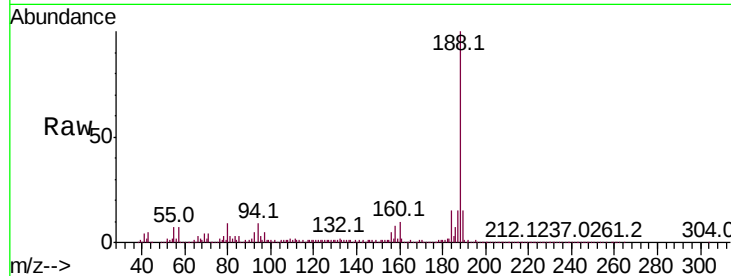
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.4	9.2	13.8

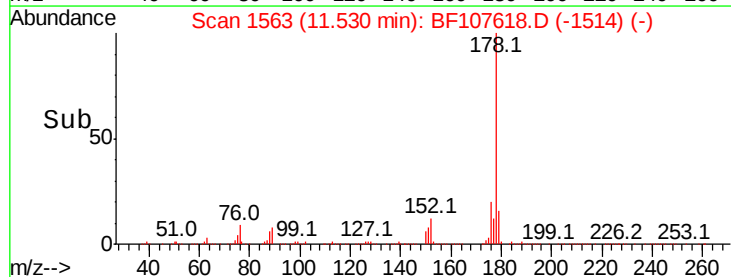
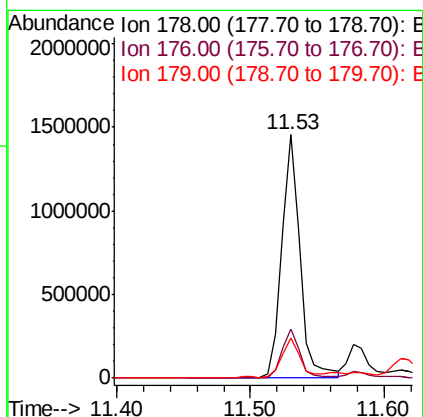
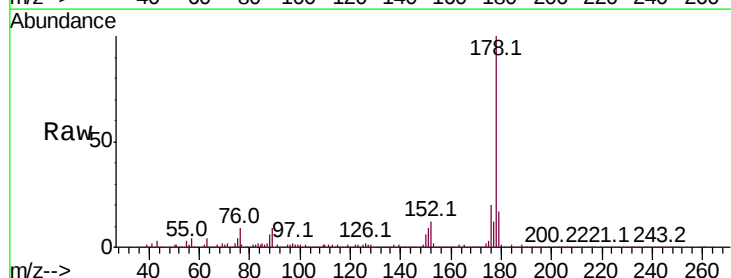
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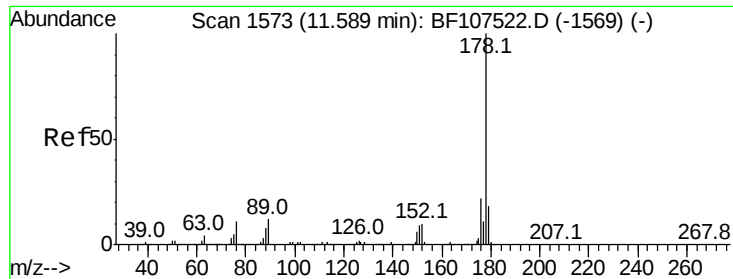
Sohil
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#70
Phenanthrene
Concen: 36.964 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.5	13.0	19.6





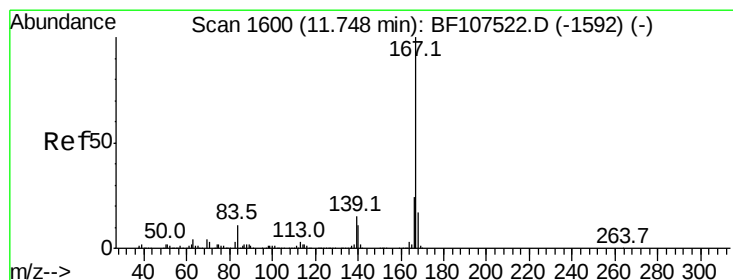
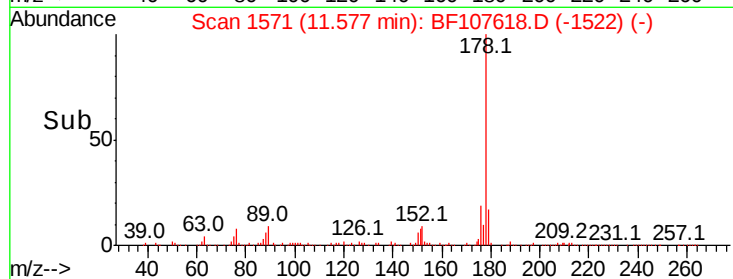
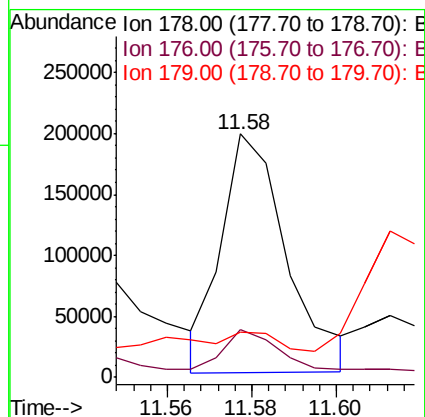
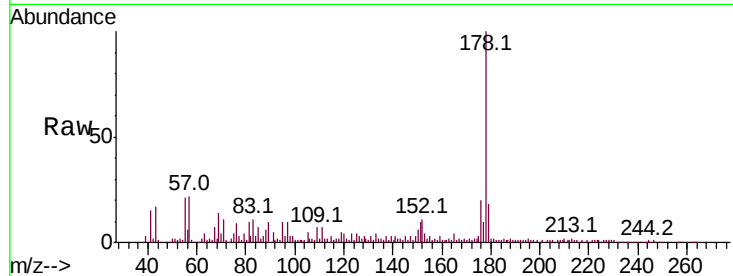
#71
 Anthracene
 Concen: 5.499 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107618.D
 Acq: 24 Jul 2018 14:57

Instrument :
 BNA_F
 ClientSampled :
 DW-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	18.5	12.6	19.0

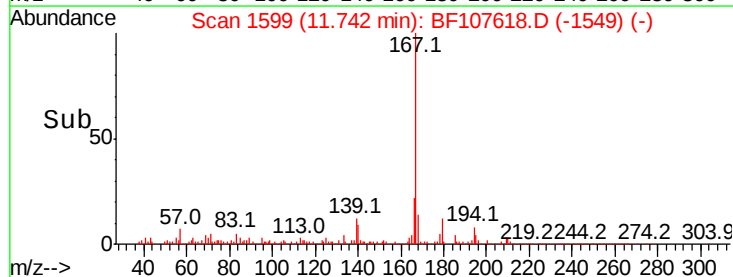
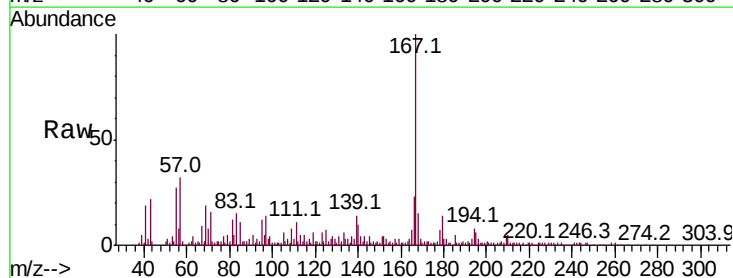
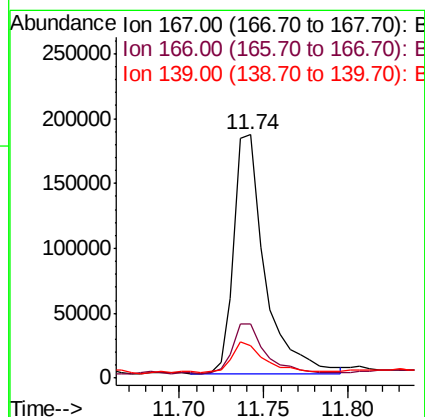
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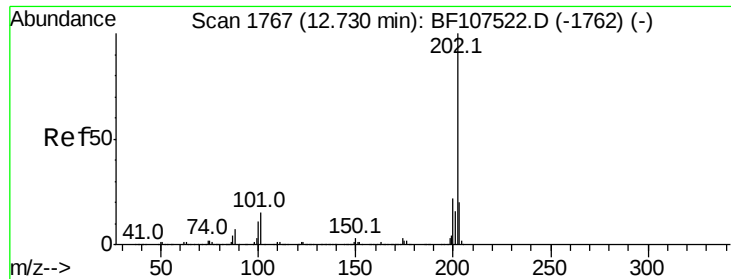
Sohil
 7/25/2018 12:58:06 PM



#72
 Carbazole
 Concen: 5.938 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107618.D
 Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.5	10.9	16.3





#74

Fluoranthene

Concen: 62.455 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

Instrument :

BNA_F

ClientSampleId :

DW-5

Tot Ion:202 Resp: 2550896

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

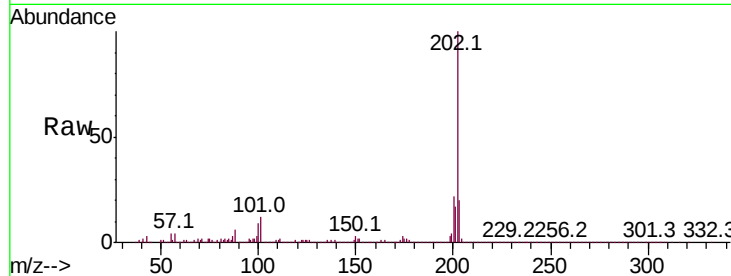
203 20.1 0.0 38.1

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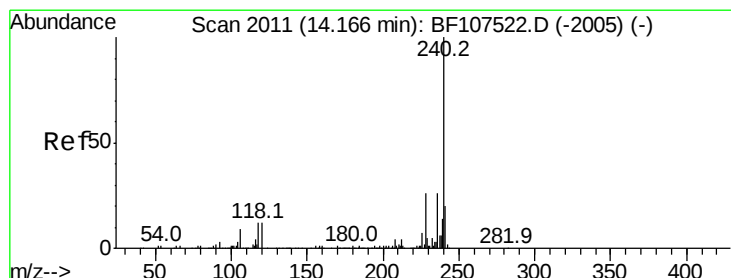
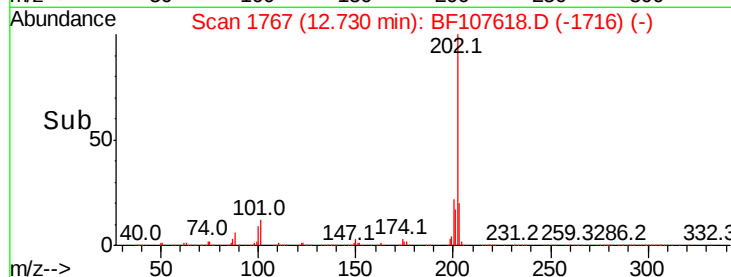
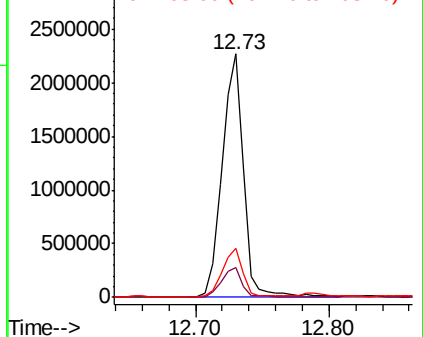


Abundance

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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

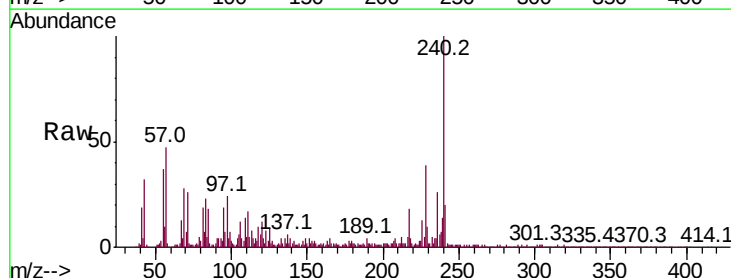
Tgt Ion:240 Resp: 494156

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

236 25.9 20.7 31.1

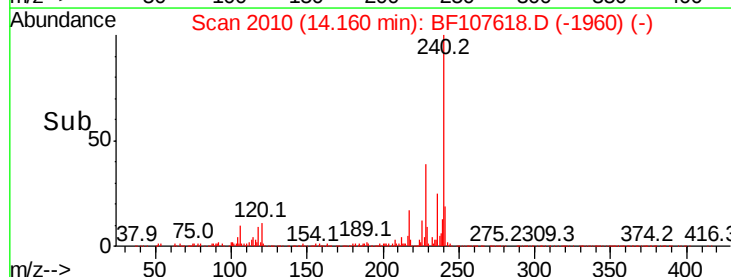
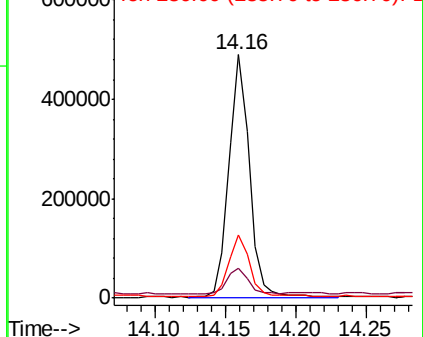


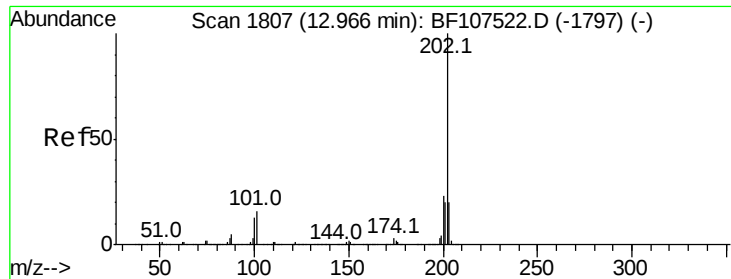
Abundance

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: 57.212 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107618.D

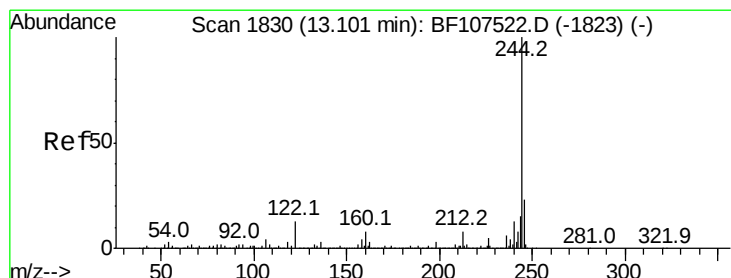
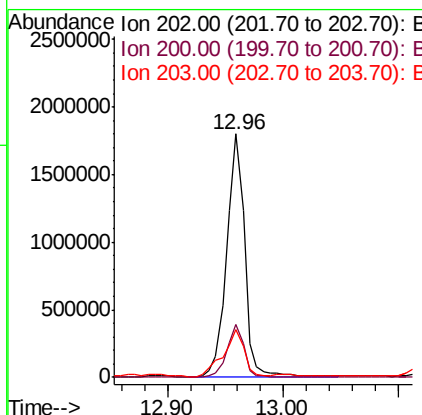
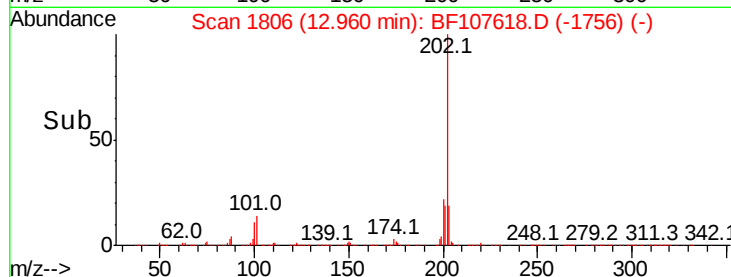
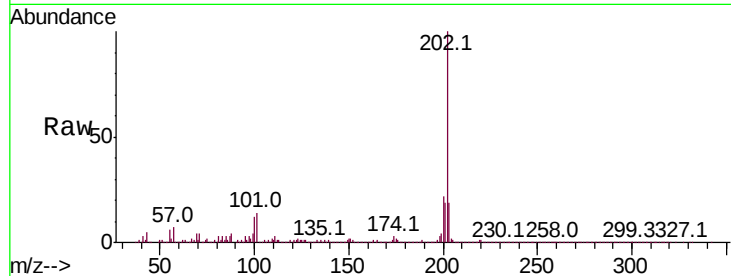
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	19.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 39.277 ng

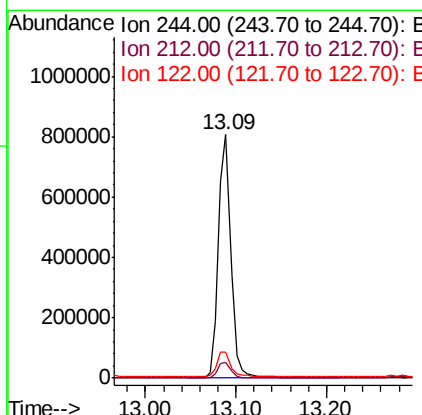
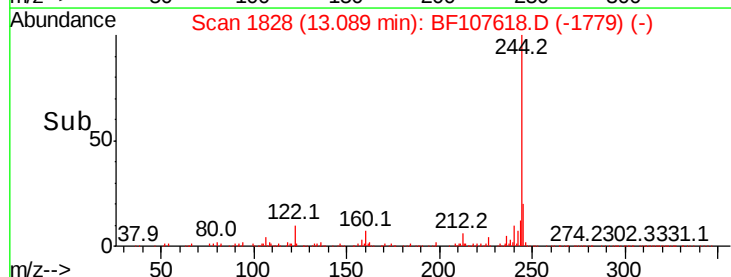
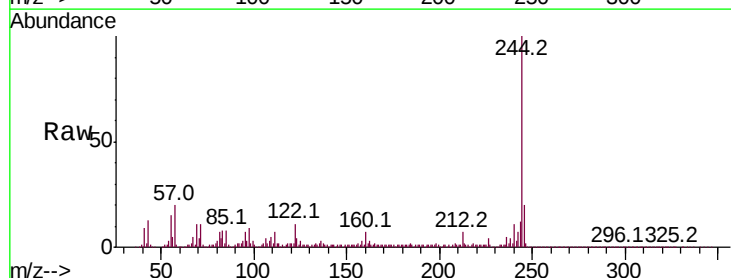
RT: 13.09 min Scan# 1828

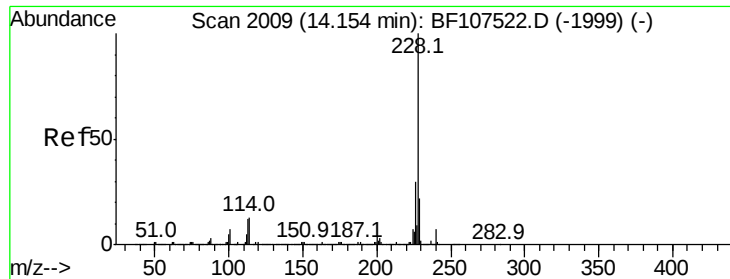
Delta R.T. -0.01 min

Lab File: BF107618.D

Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.7	11.0	16.4





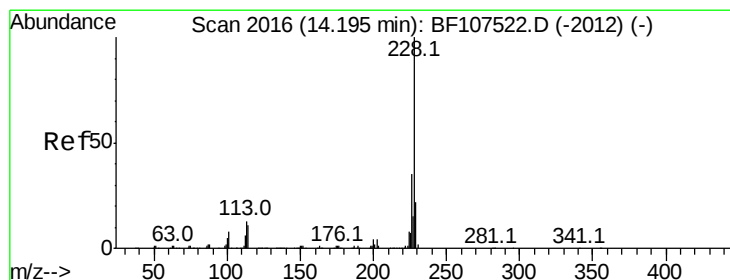
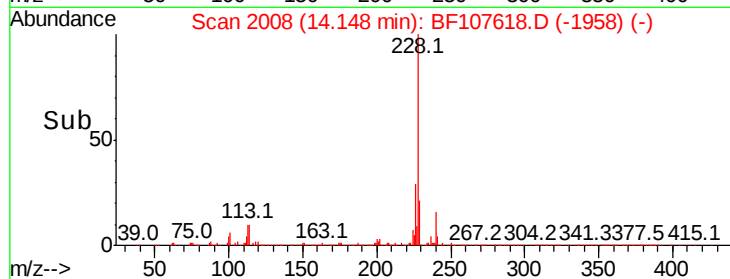
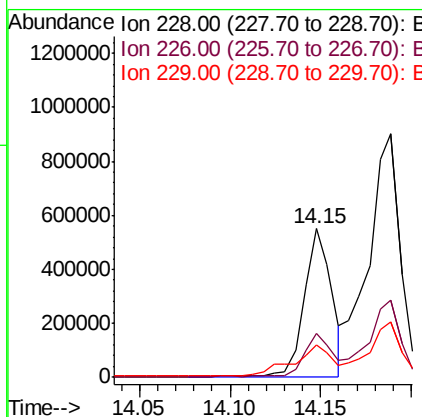
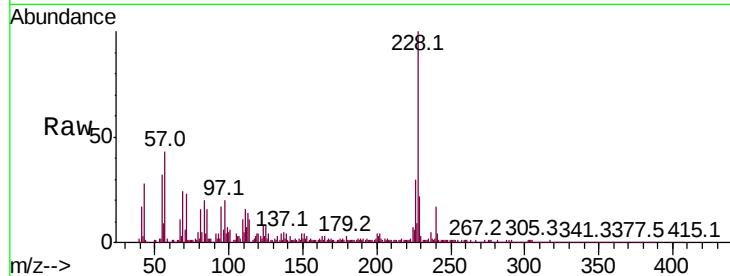
#80
Benzo(a)anthracene
Concen: 19.908 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.9	15.8	23.6

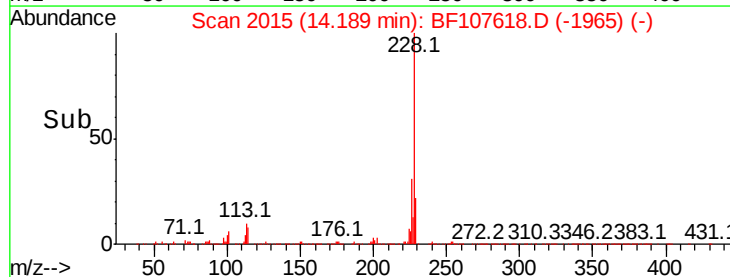
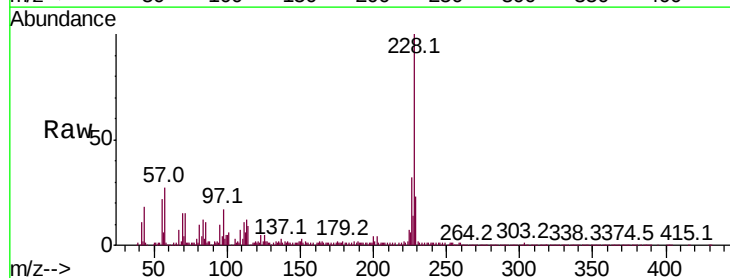
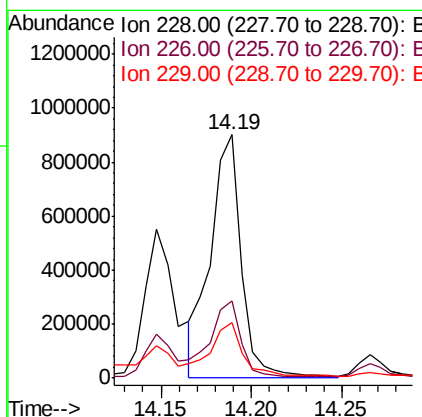
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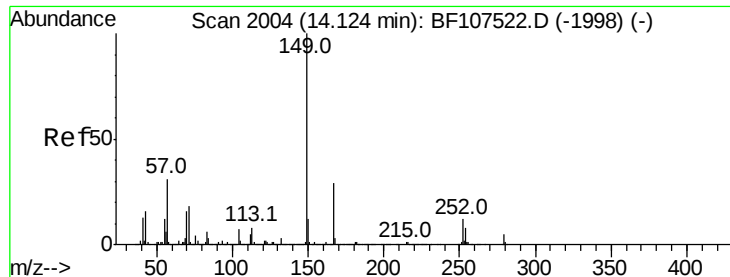
Sohil
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#82
Chrysene
Concen: 38.076 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.9	16.2	24.4





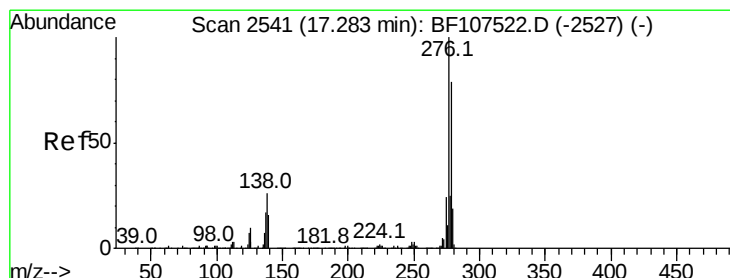
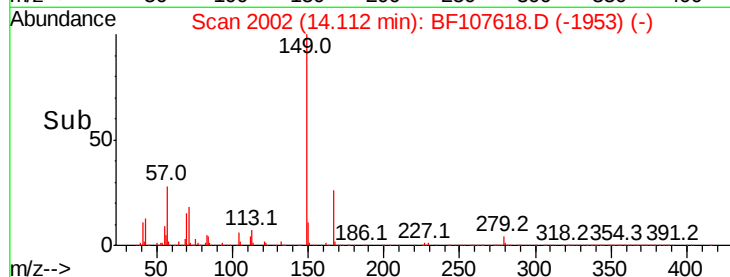
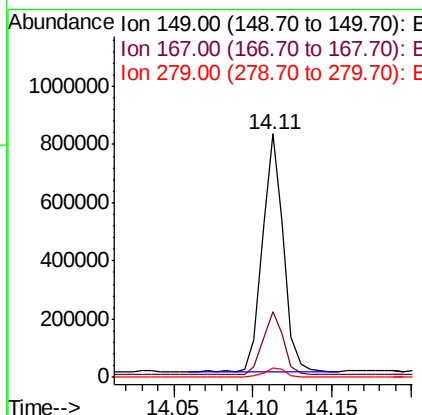
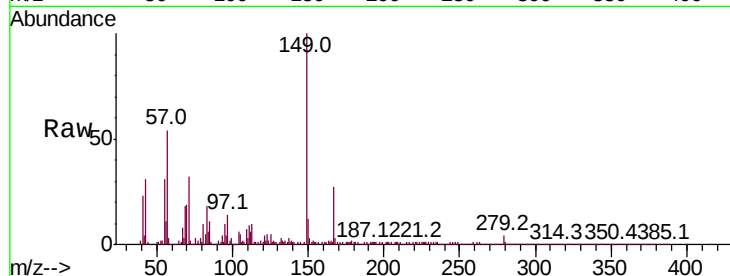
#83
Bis(2-ethylhexyl)phthalate
Concen: 36.767 ng
RT: 14.11 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	4.0	3.0	4.4

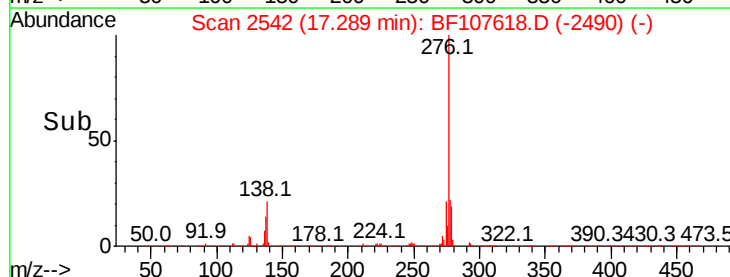
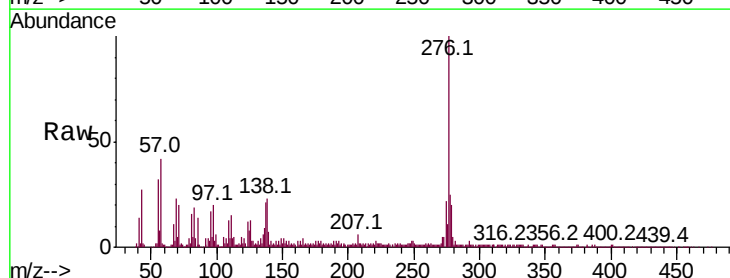
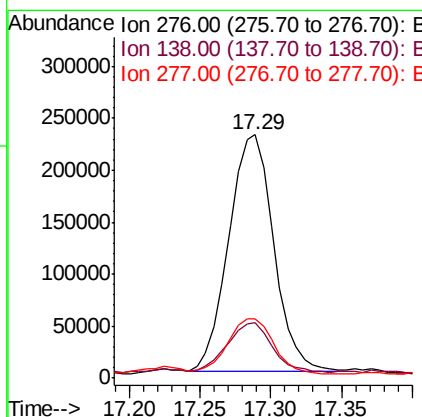
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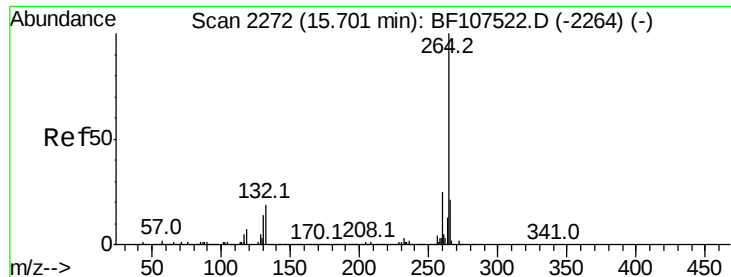
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.408 ng
RT: 17.29 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	23.8	20.1	30.1





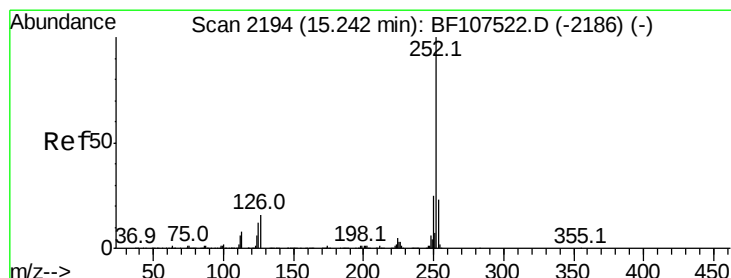
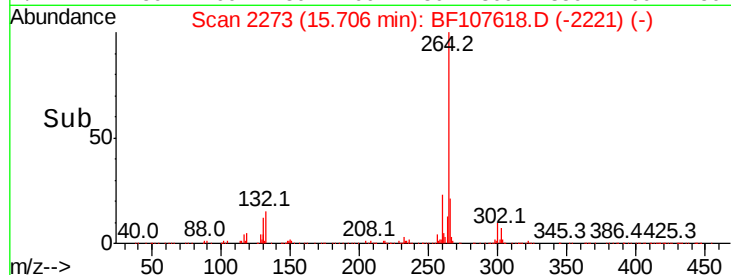
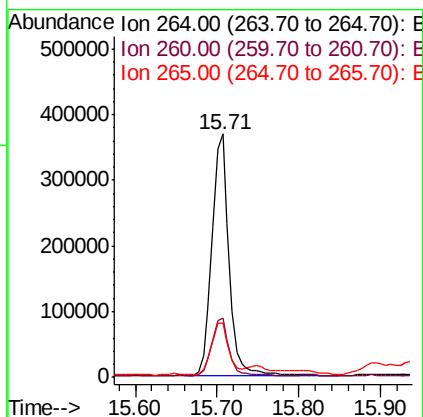
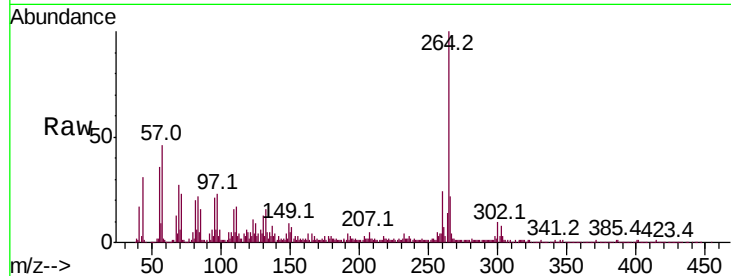
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.1	17.5	26.3

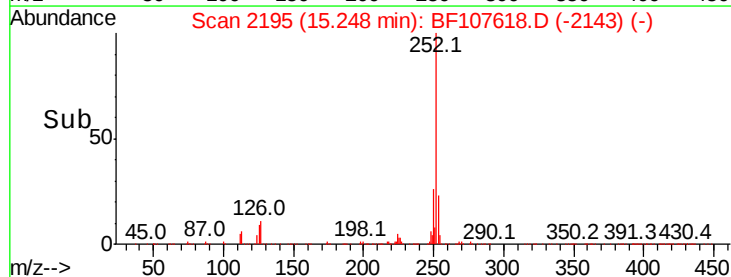
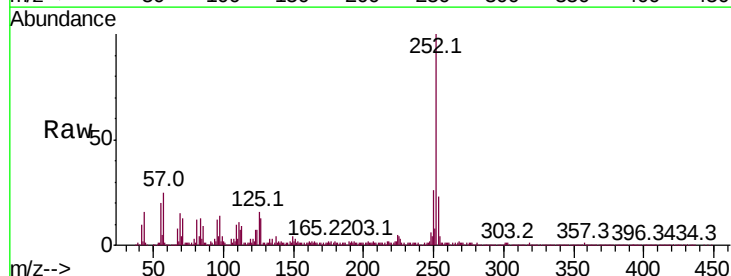
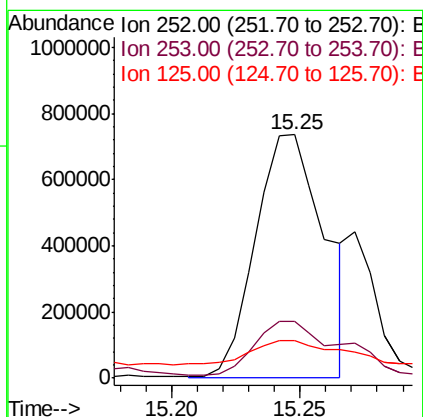
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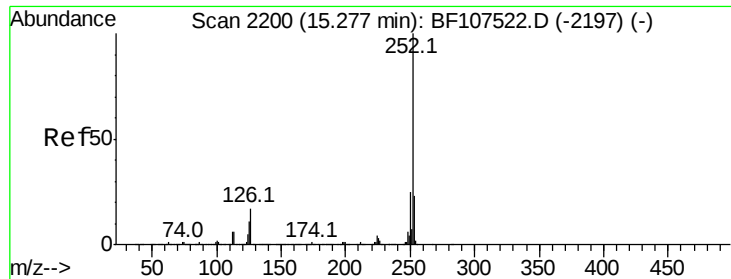
Sohil
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#87
Benzo(b)fluoranthene
Concen: 46.800 ng m
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	15.7	9.0	13.6





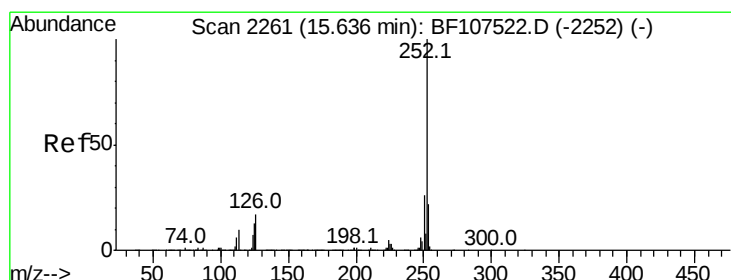
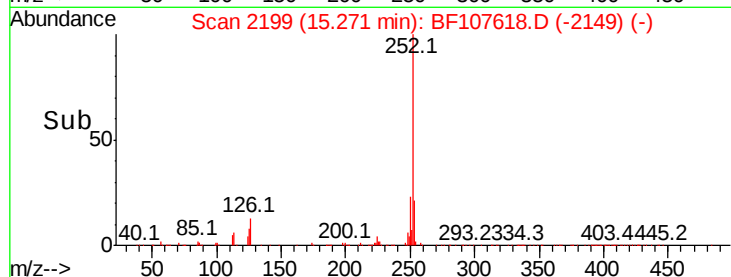
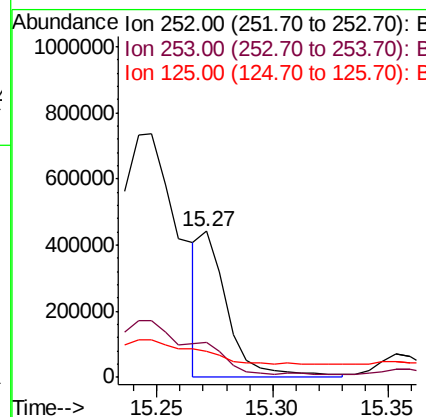
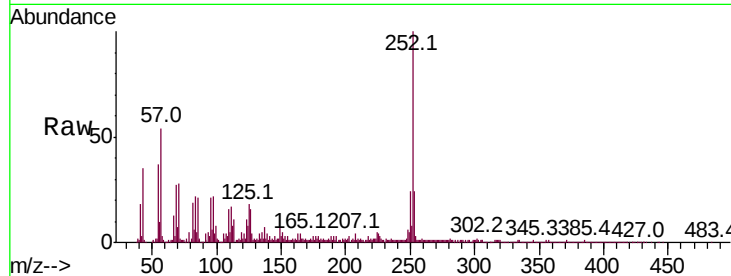
#88
Benzo(k)fluoranthene
Concen: 12.778 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampled :
DW-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	18.2	10.2	15.2

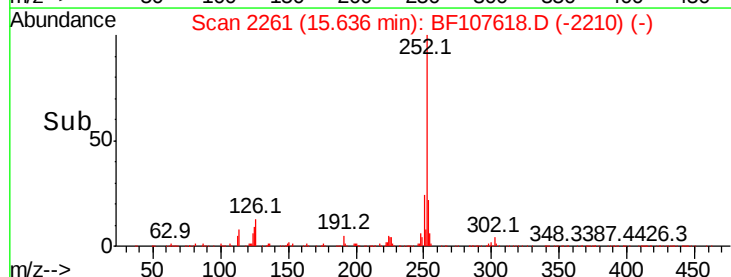
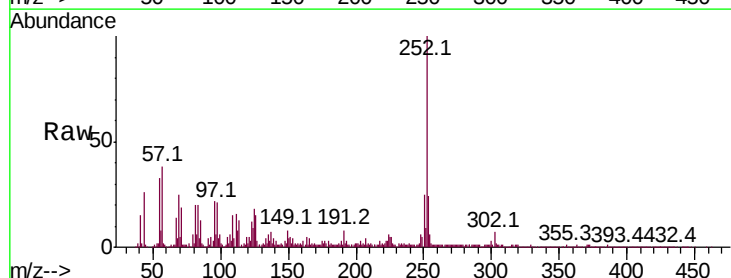
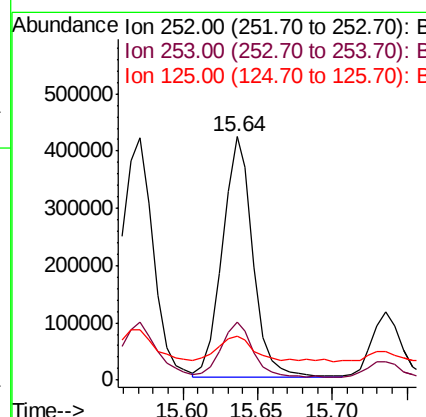
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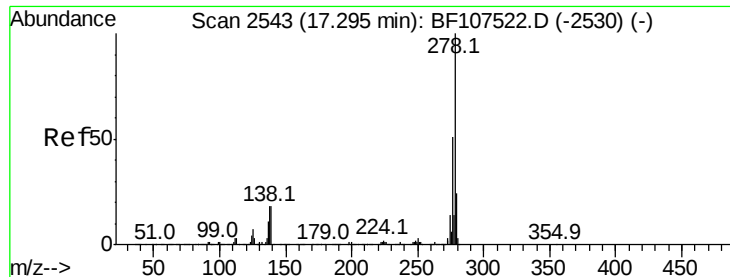
Sohil
7/25/2018 12:58:06 PM



#89
Benzo(a)pyrene
Concen: 22.384 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	18.1	9.8	14.6





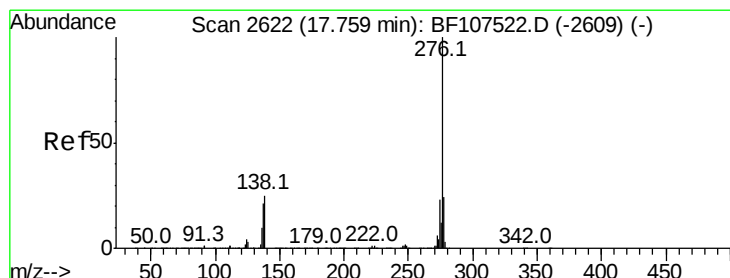
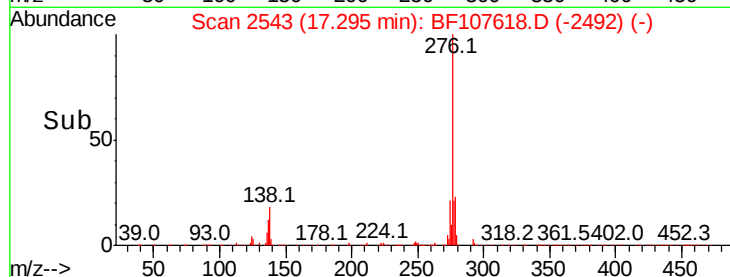
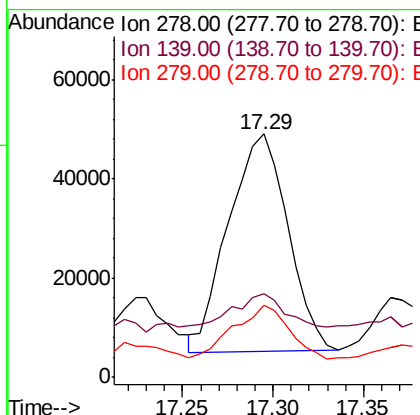
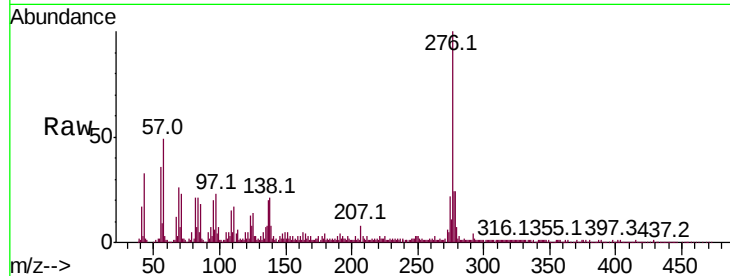
#90
Dibenzo(a,h)anthracene
Concen: 4.272 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.00 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Instrument :
BNA_F
ClientSampleId :
DW-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.5	15.9	23.9#
279	29.7	19.0	28.4#

Manual Integrations
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7/25/2018 12:58:06 PM



#91
Benzo(g,h,i)perylene
Concen: 21.505 ng
RT: 17.77 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF107618.D
Acq: 24 Jul 2018 14:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	22.0	21.8	32.8

