

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107760.D
 Acq On : 27 Jul 2018 21:43
 Operator : JU/SJ
 Sample : J4121-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072318

Manual Integrations
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 7/30/2018 2:03:09 PM

Quant Time: Jul 28 02:23:00 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	6.96	152	164946	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	631524	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	262282	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	448158	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	414512	20.00	ng	-0.02
86) Perylene-d12	15.68	264	386868	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1053422	102.68	ng	-0.01
7) Phenol-d6	6.60	99	1325937	107.64	ng	-0.01
23) Nitrobenzene-d5	7.52	82	851223	90.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	328363	110.09	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1424689	96.50	ng	-0.02
78) Terphenyl-d14	13.08	244	1177863	72.75	ng	-0.02
Target Compounds						
31) Naphthalene	8.27	128	222882	8.026	ng	98
33) 4-Chloroaniline	8.27	127	29690	2.446	ng	# 29
48) Acenaphthylene	9.86	152	140725	5.364	ng	99
49) Dimethylphthalate	9.71	163	85569	4.329	ng	99
51) Acenaphthene	10.03	154	38074	2.316	ng	98
57) Fluorene	10.55	166	84314	4.884	ng	97
70) Phenanthrene	11.52	178	439788	20.138	ng	98
71) Anthracene	11.57	178	229166	10.422	ng	98
74) Fluoranthene	12.72	202	951307	40.594	ng	97
77) Pyrene	12.95	202	841972	29.696	ng	98
80) Benzo(a)anthracene	14.14	228	598125	24.623	ng	95
82) Chrysene	14.17	228	460712	19.744	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	175712	8.885	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	544252m	25.705	ng	
88) Benzo(k)fluoranthene	15.25	252	247694m	11.941	ng	
89) Benzo(a)pyrene	15.61	252	418948	21.632	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	46103m	2.754	ng	
91) Benzo(g,h,i)perylene	17.73	276	154147	9.334	ng	# 91

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

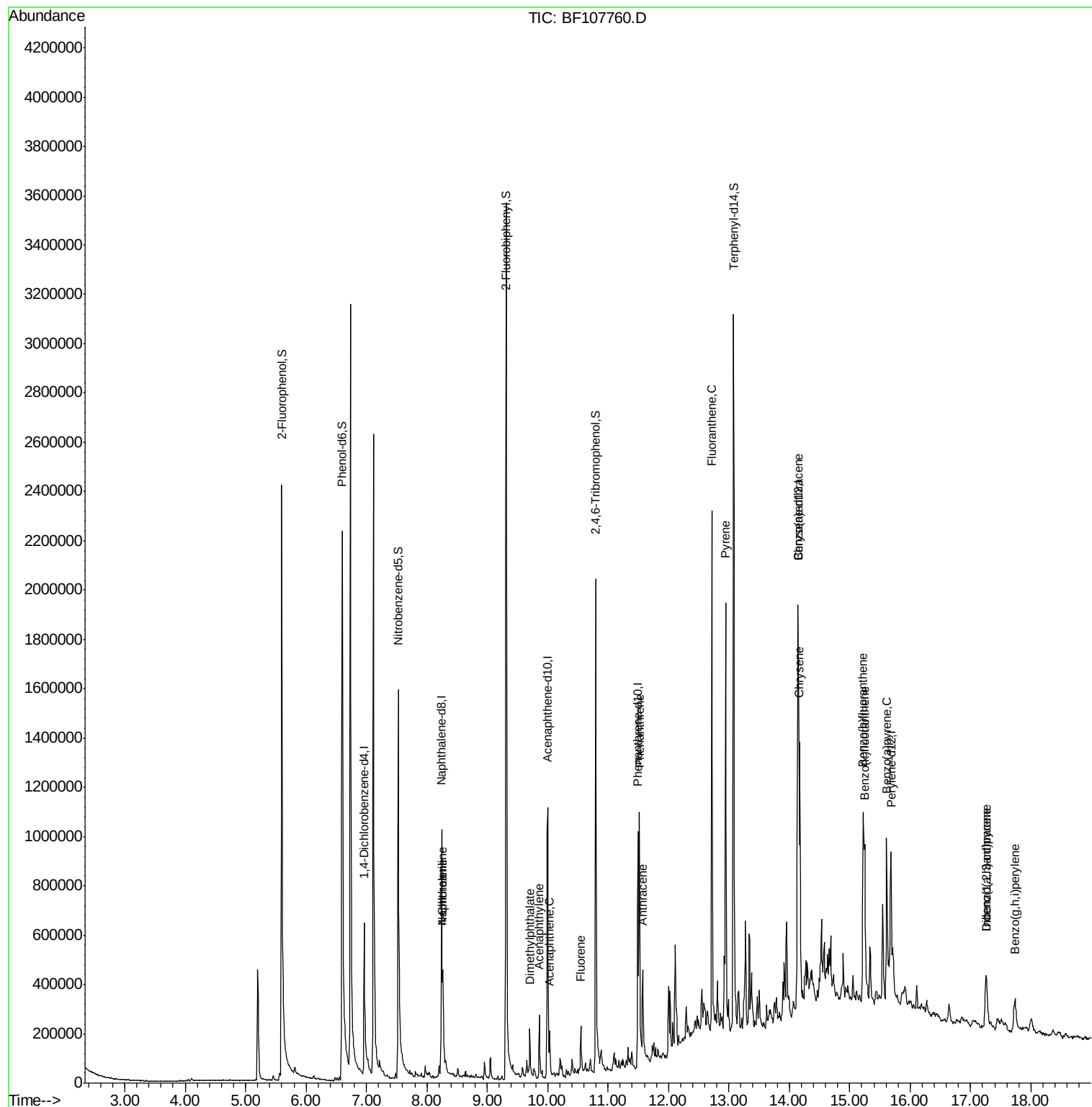
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
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ALS Vial : 19 Sample Multiplier: 1

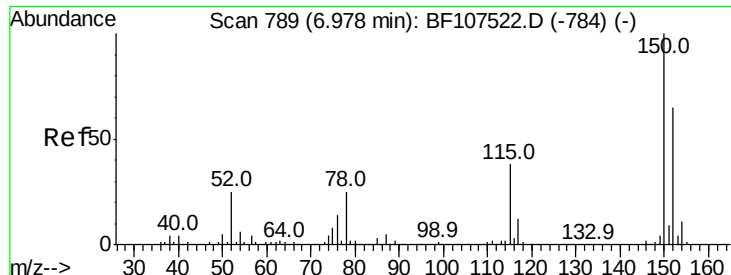
Instrument :
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ClientSampleId :
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#1

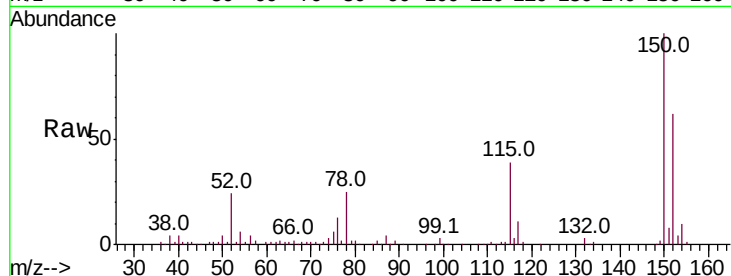
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	62.5	50.1	75.1

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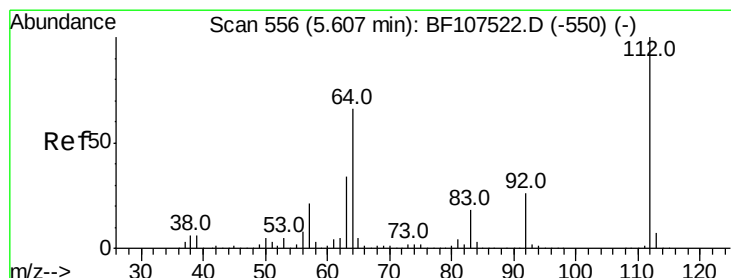
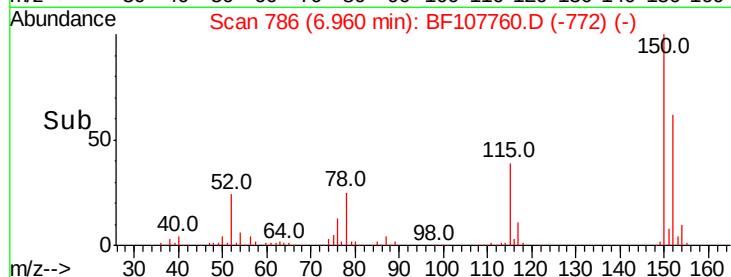
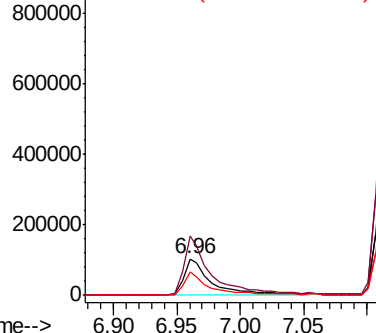


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

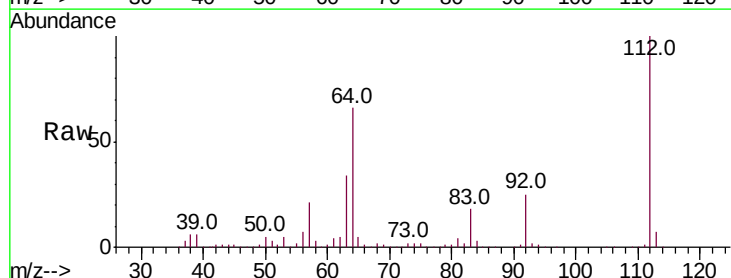
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.682 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	34.1	23.7	35.5

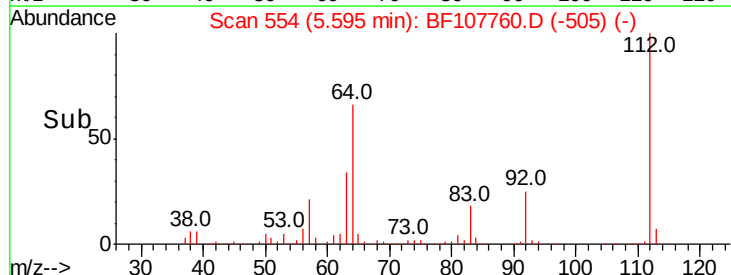
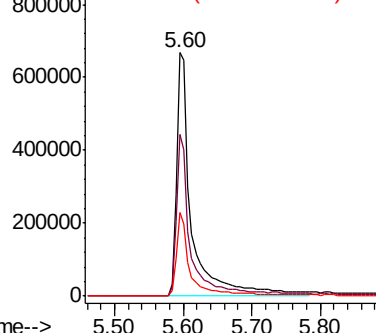


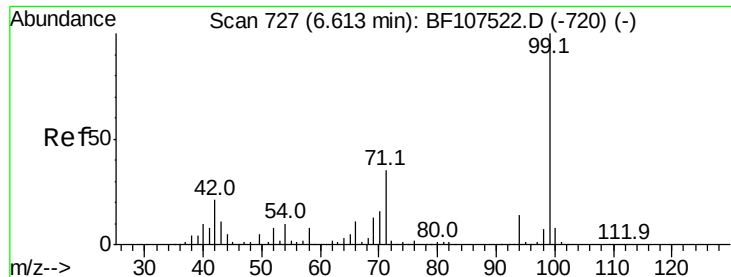
Abundance

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: 107.638 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

Instrument :

BNA_F

ClientSampled :

DUP-072318

Tot Ion: 99 Resp: 1325937

Ion Ratio Lower Upper

99 100

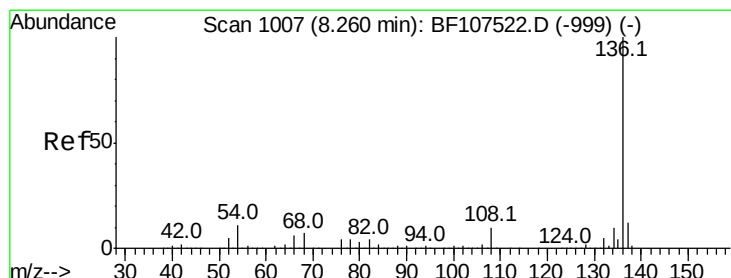
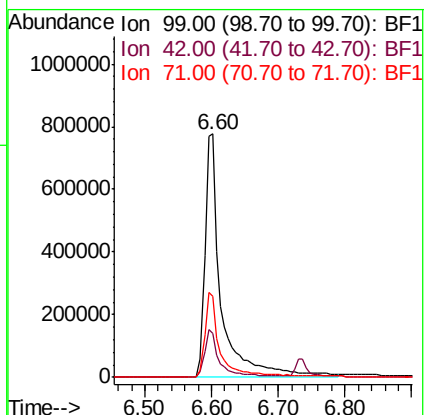
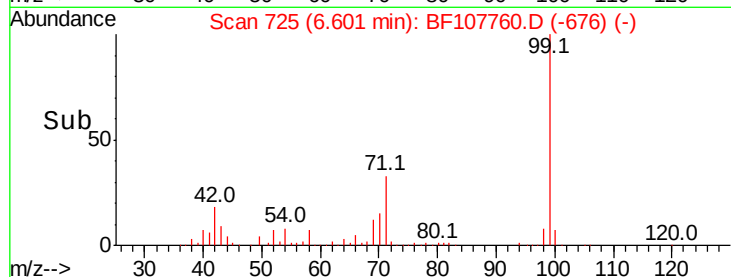
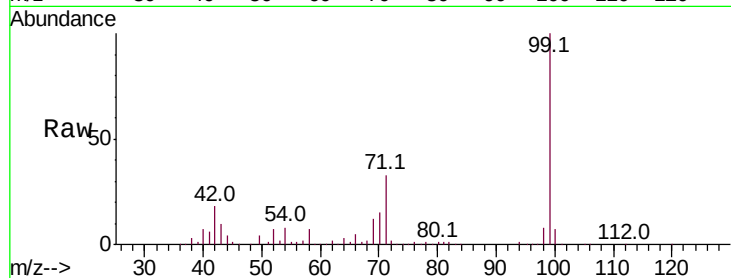
42 18.0 14.5 21.7

71 33.0 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

Tgt Ion: 136 Resp: 631524

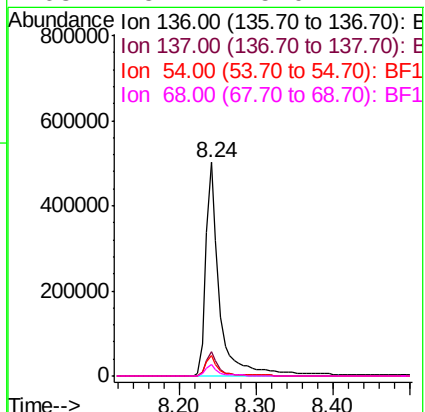
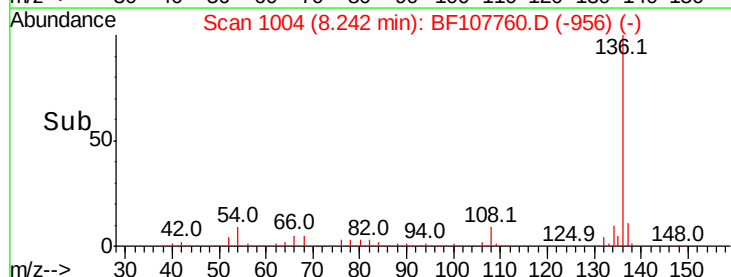
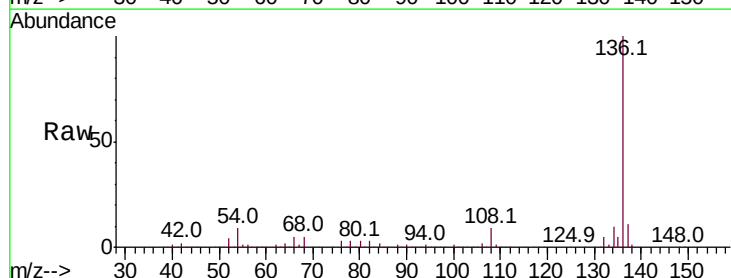
Ion Ratio Lower Upper

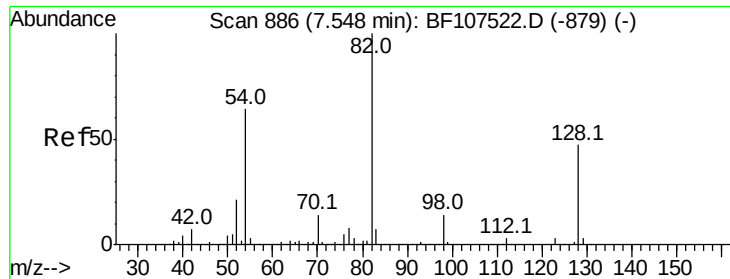
136 100

137 11.2 8.9 13.3

54 9.5 6.6 9.8

68 5.4 5.0 7.4





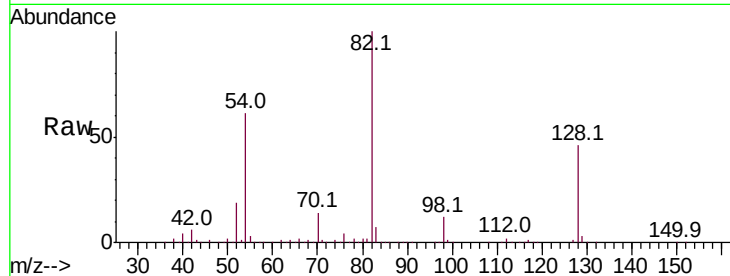
#23
Nitrobenzene-d5
Concen: 90.966 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

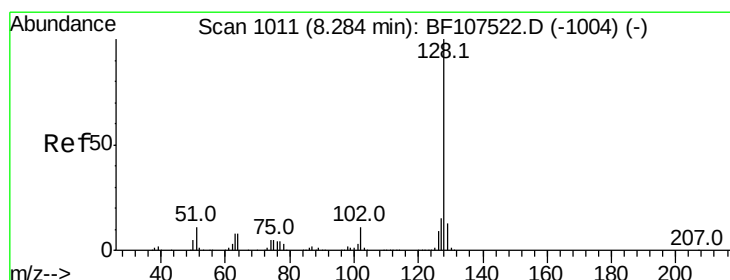
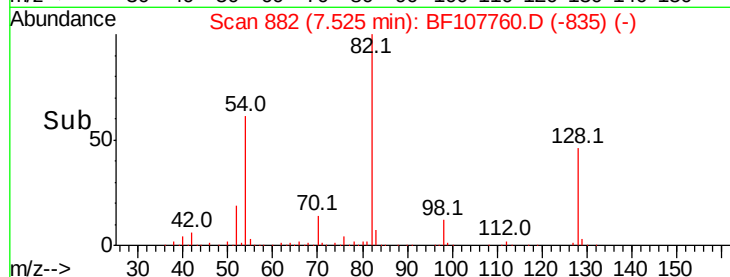
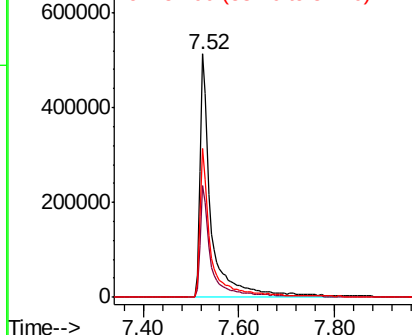
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	61.1	41.4	62.2

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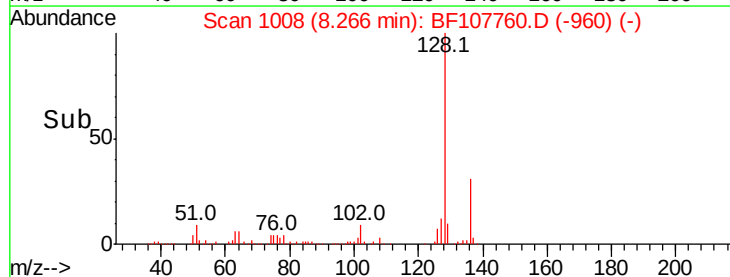
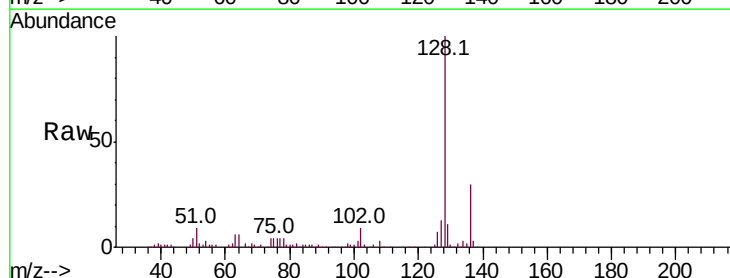
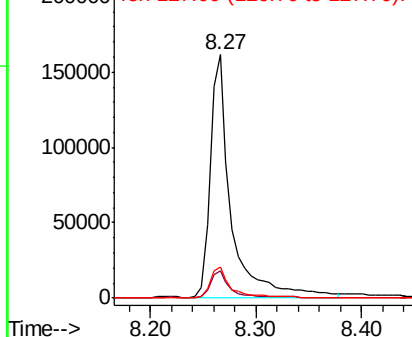
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

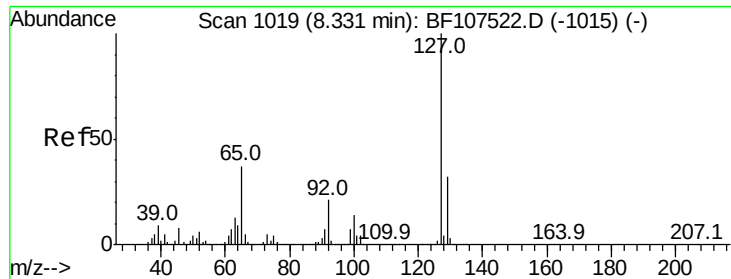


#31
Naphthalene
Concen: 8.026 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.8	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





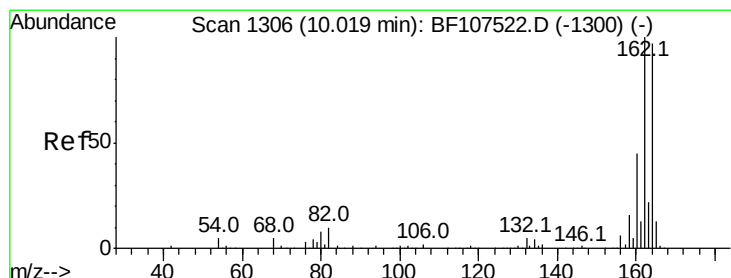
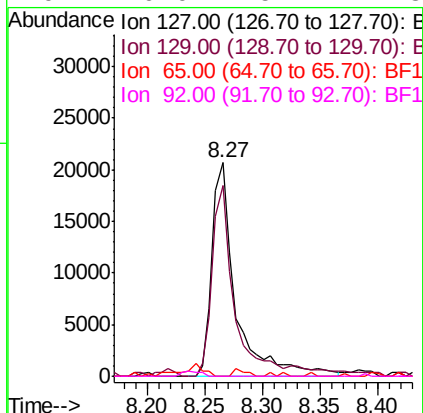
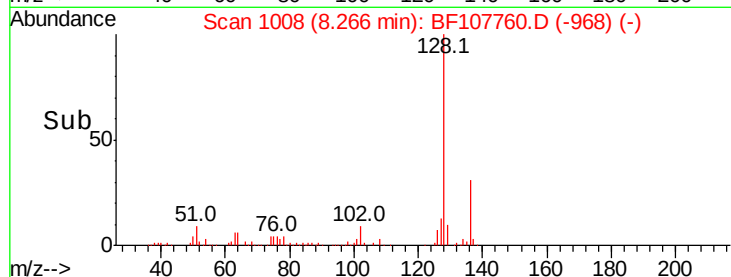
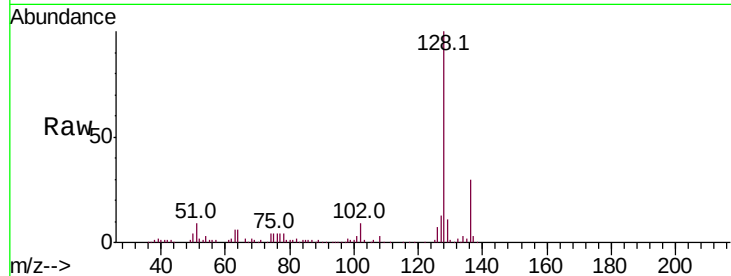
#33
4-Chloroaniline
Concen: 2.446 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	89.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

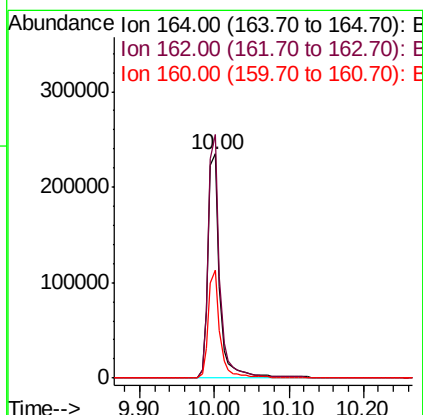
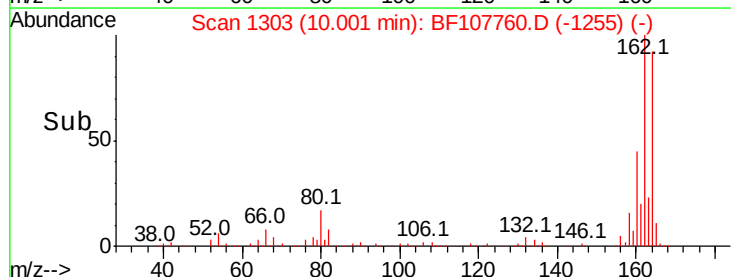
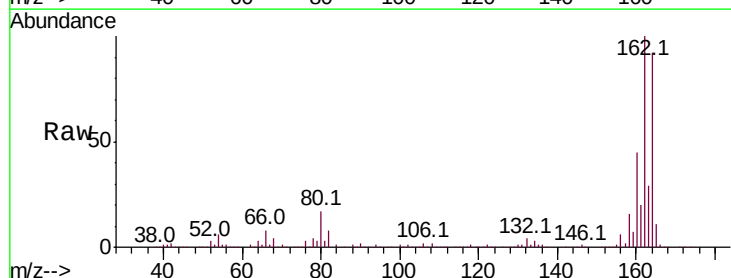
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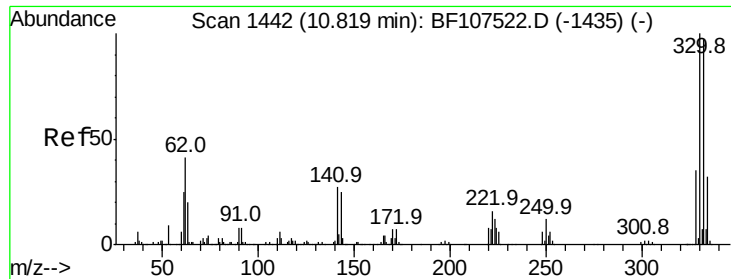
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	108.6	86.1	129.1
160	48.4	38.3	57.5





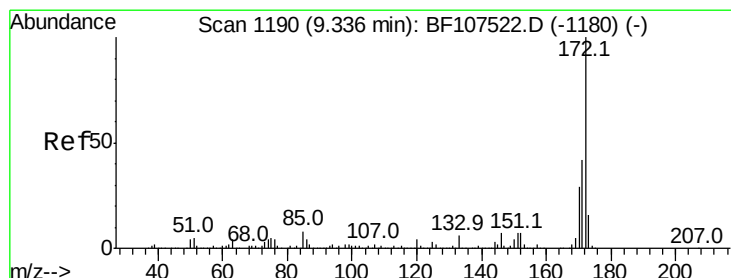
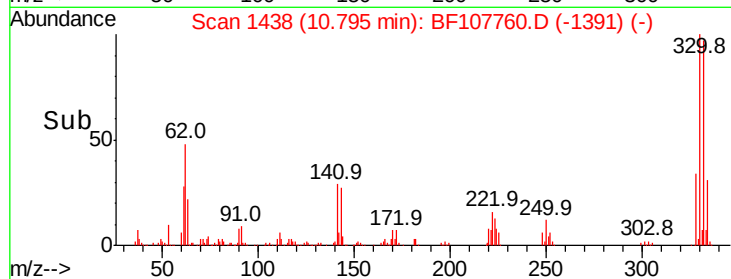
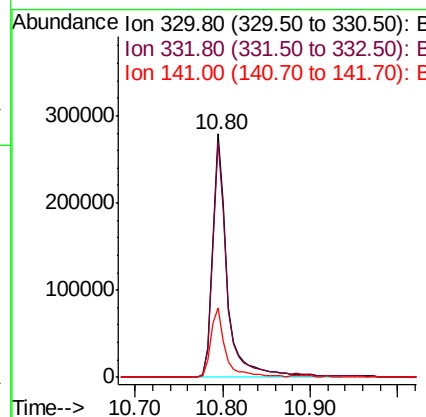
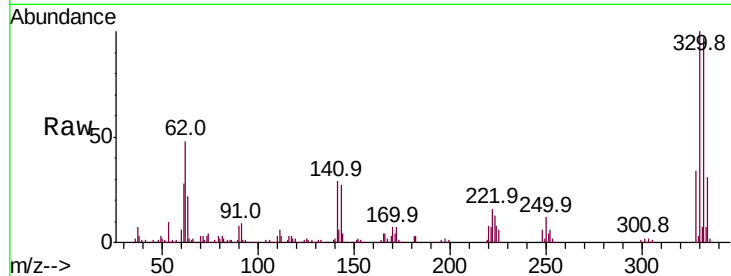
#41
 2,4,6-Tribromophenol
 Concen: 110.094 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072318

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	77.0	115.6	
141	28.6	29.9	44.9	

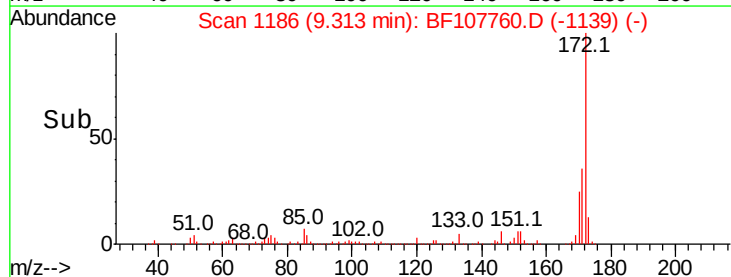
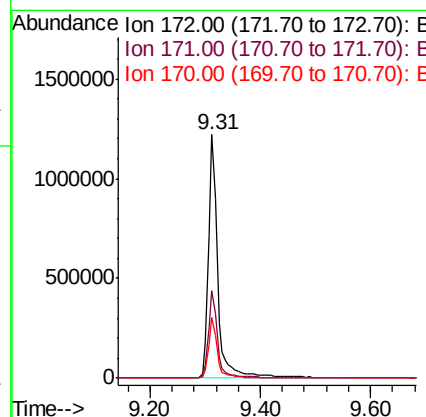
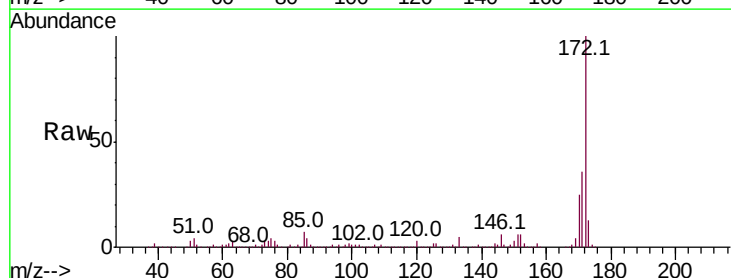
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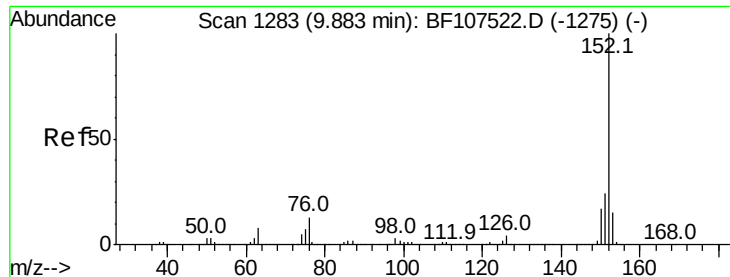
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#44
 2-Fluorobiphenyl
 Concen: 96.496 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	24.7	19.6	29.4	





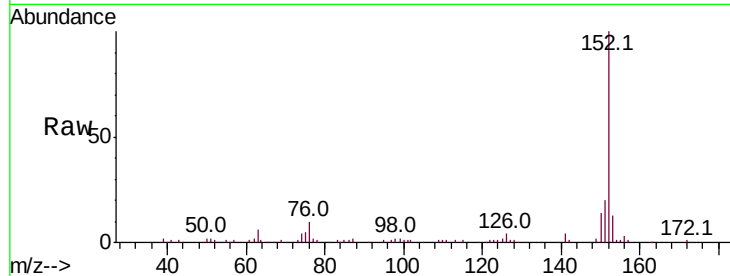
#48
Acenaphthylene
Concen: 5.364 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Resp	Lower	Upper
152	100	140725		
151	19.8		16.3	24.5
153	13.5		10.7	16.1

Manual Integrations
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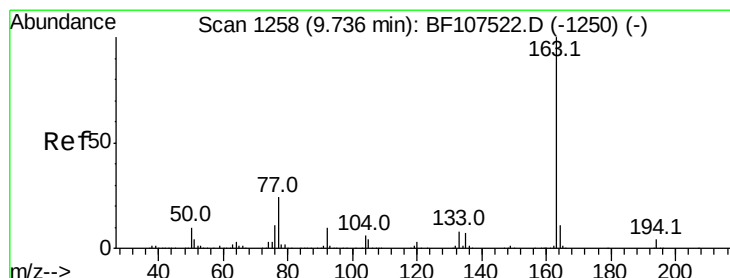
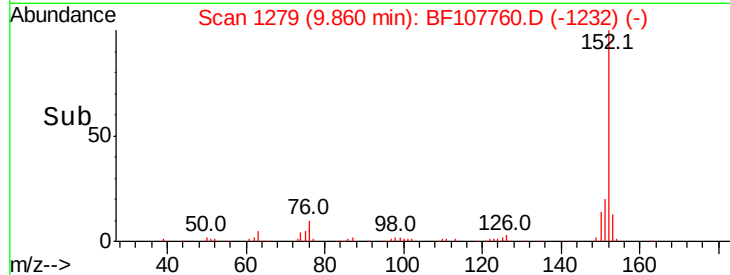
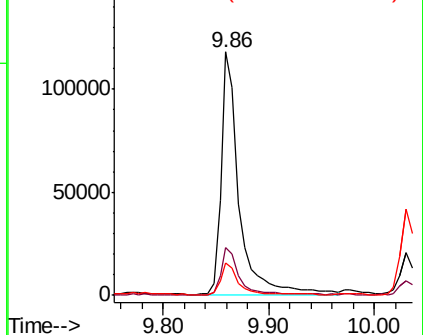


Abundance

Ion 152.00 (151.70 to 152.70): E

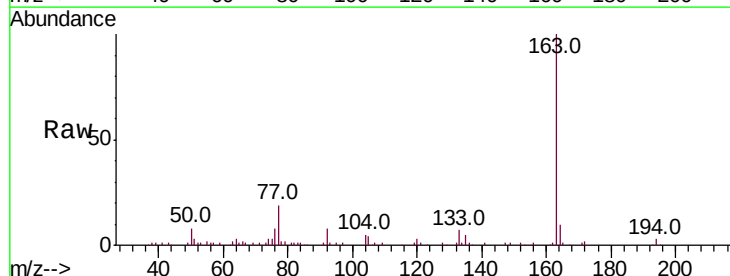
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49
Dimethylphthalate
Concen: 4.329 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	85569		
194	3.3		2.7	4.1
164	9.8		8.2	12.2

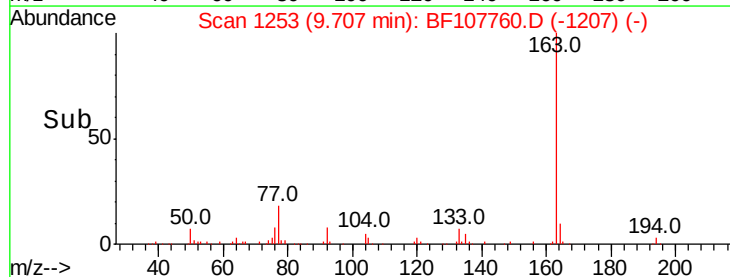
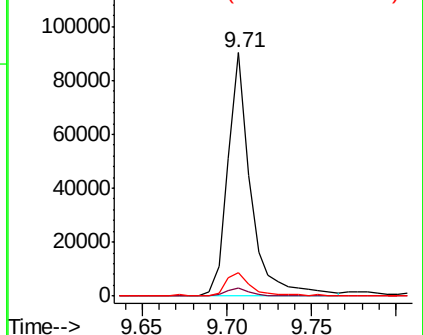


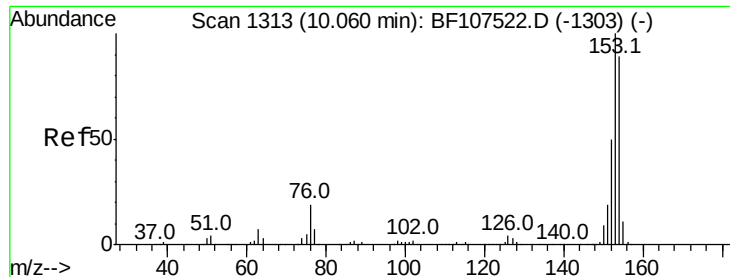
Abundance

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





#51

Acenaphthene

Concen: 2.316 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.03 min

Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

Instrument :

BNA_F

ClientSampleId :

DUP-072318

Tot Ion:154 Resp: 38074

Ion Ratio Lower Upper

154 100

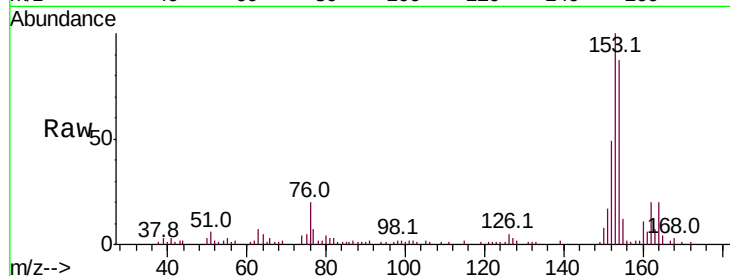
153 115.6 91.2 136.8

152 56.6 43.8 65.8

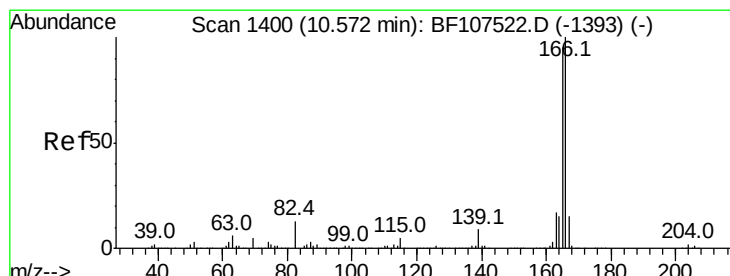
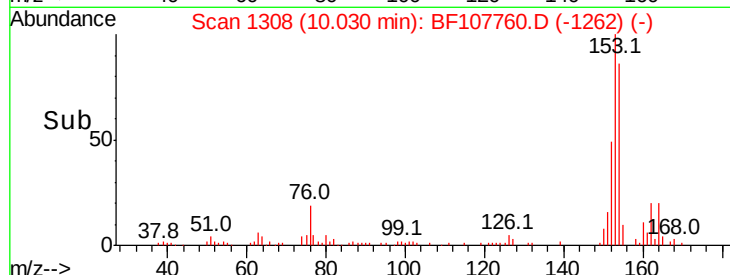
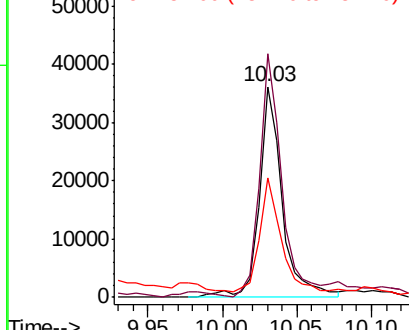
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 4.884 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

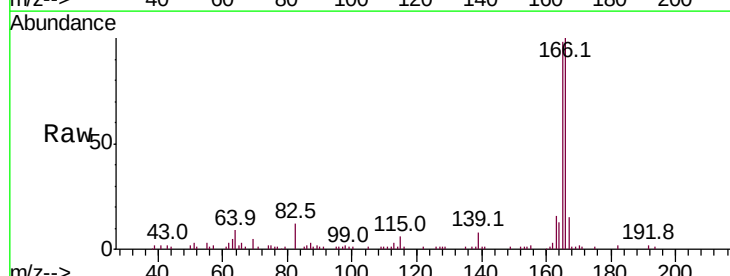
Tgt Ion:166 Resp: 84314

Ion Ratio Lower Upper

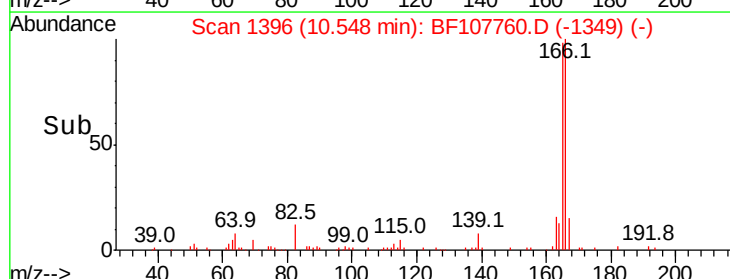
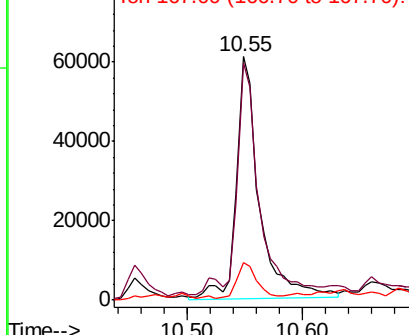
166 100

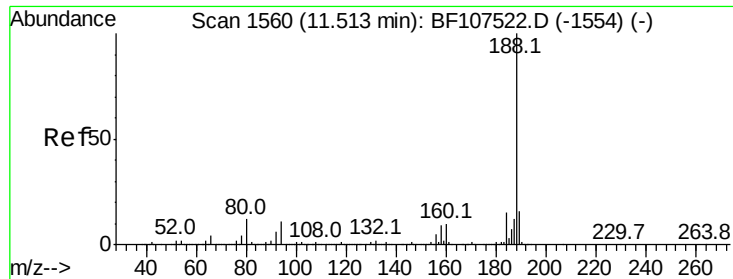
165 97.7 79.8 119.8

167 15.5 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





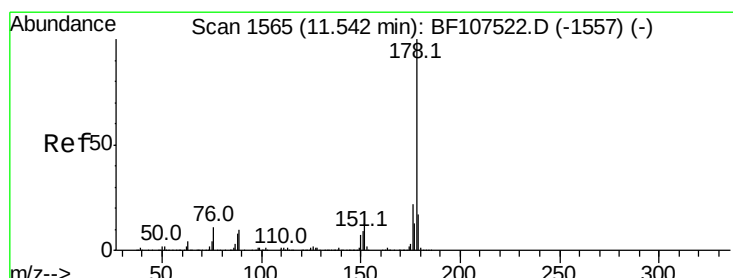
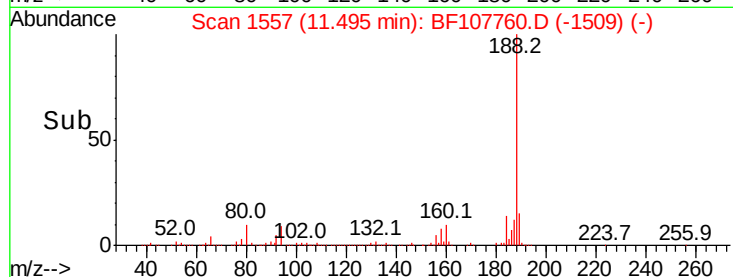
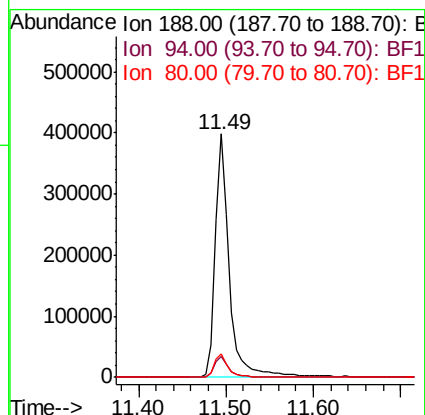
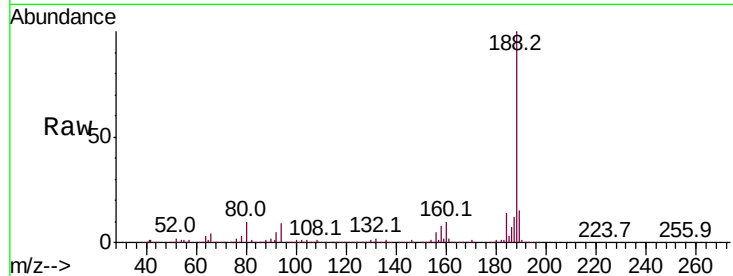
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.8	9.2	13.8

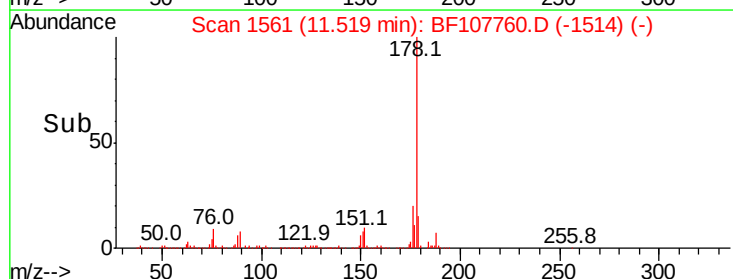
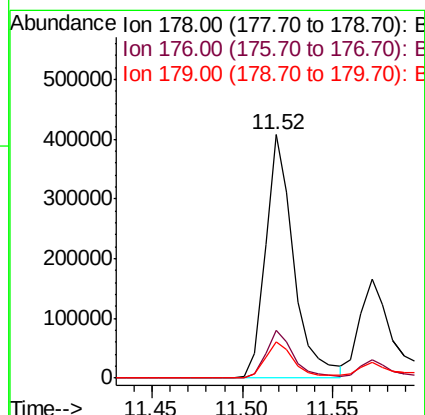
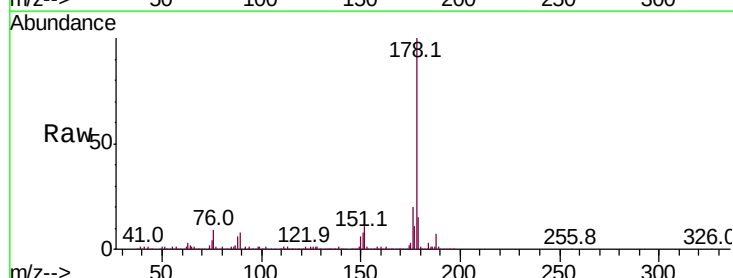
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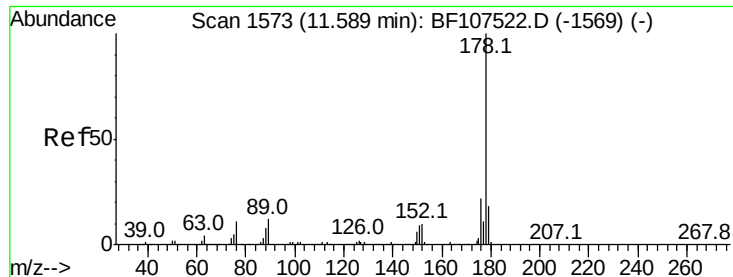
Sohil
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#70
Phenanthrene
Concen: 20.138 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.7	13.0	19.6





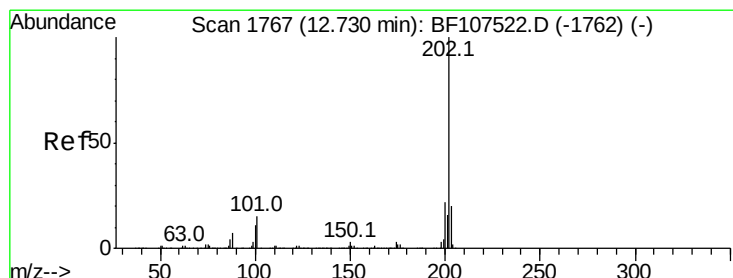
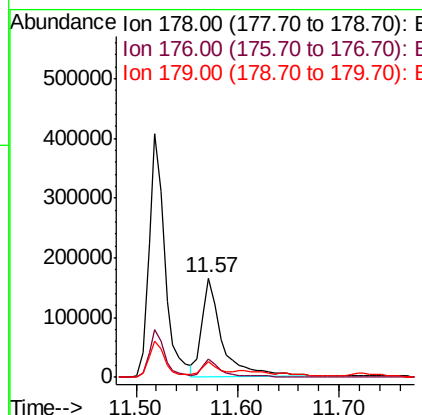
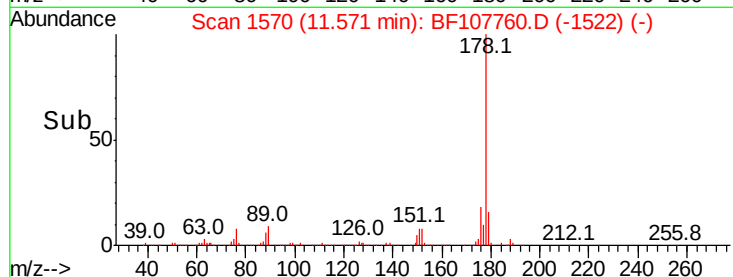
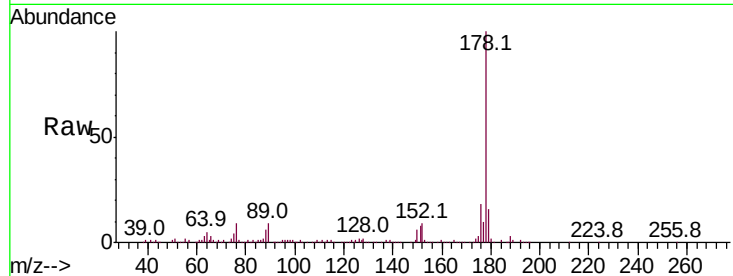
#71
 Anthracene
 Concen: 10.422 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Instrument :
 BNA_F
 ClientSampled :
 DUP-072318

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.3	12.6	19.0

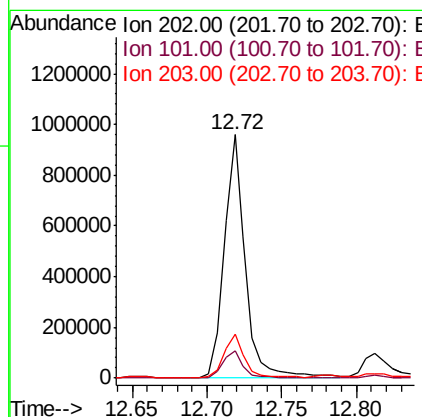
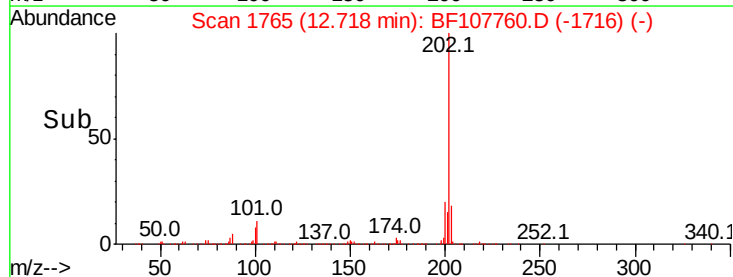
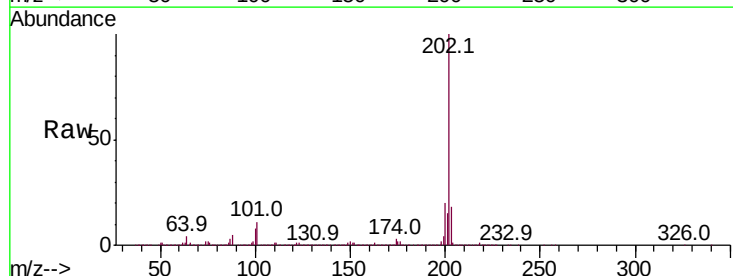
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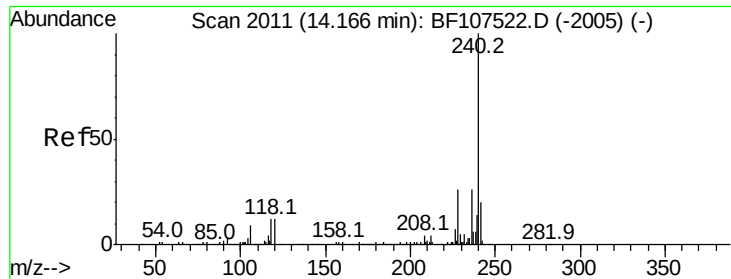
Sohil
 7/30/2018 2:03:09 PM



#74
 Fluoranthene
 Concen: 40.594 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

Instrument :

BNA_F

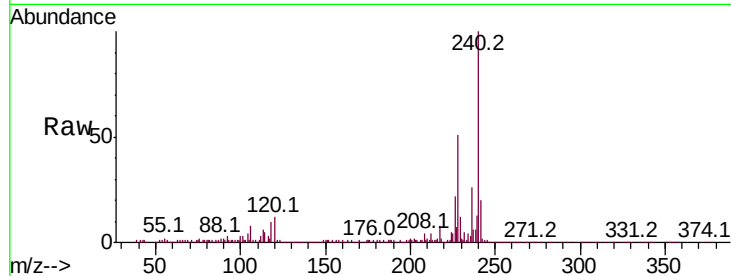
ClientSampled :

DUP-072318

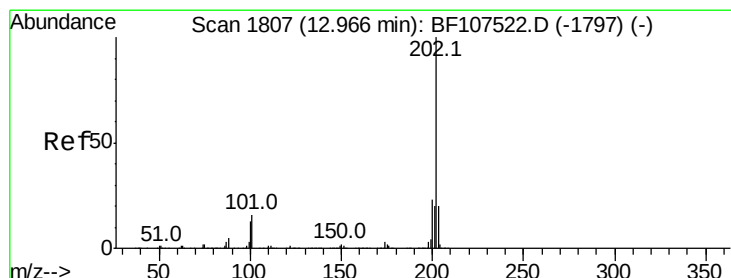
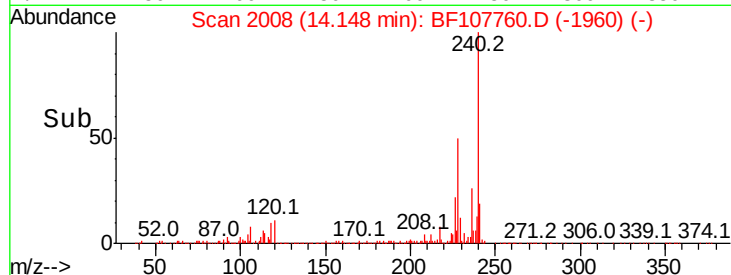
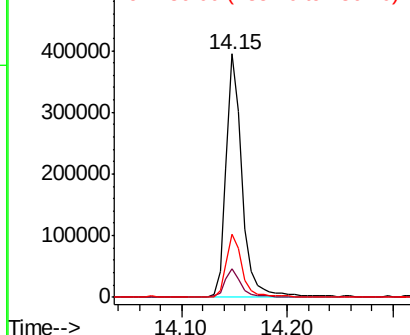
Tot Ion:	240	Resp:	414512
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	26.2	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 29.696 ng

RT: 12.95 min Scan# 1804

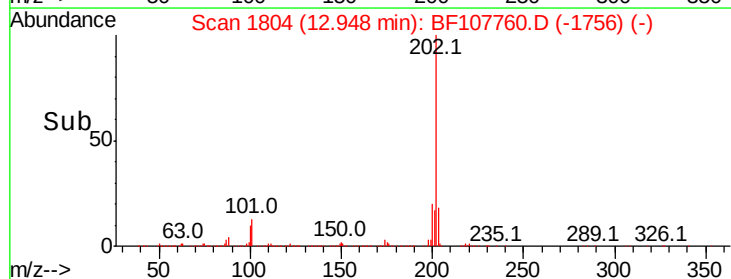
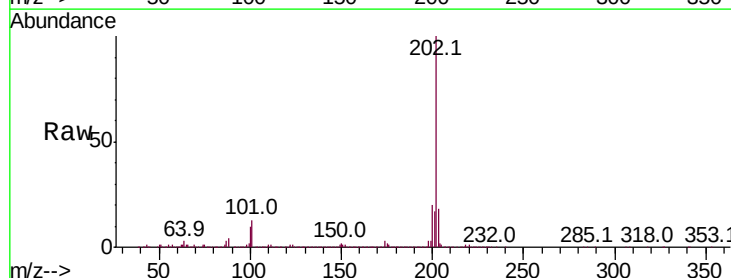
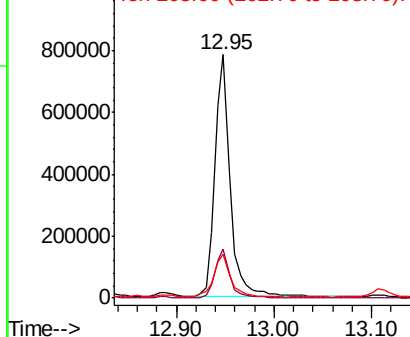
Delta R.T. -0.02 min

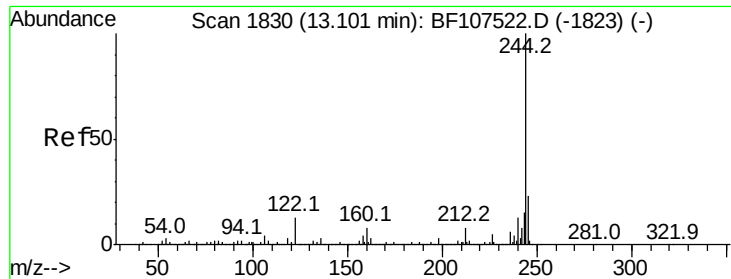
Lab File: BF107760.D

Acq: 27 Jul 2018 21:43

Tgt Ion:	202	Resp:	841972
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.4	26.2
203	18.2	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





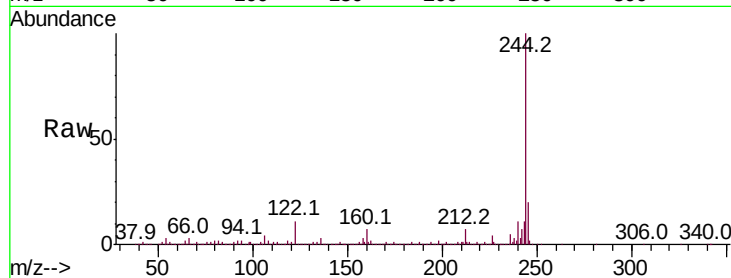
#78
 Terphenyl-d14
 Concen: 72.747 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Instrument :
 BNA_F
 ClientSampled :
 DUP-072318

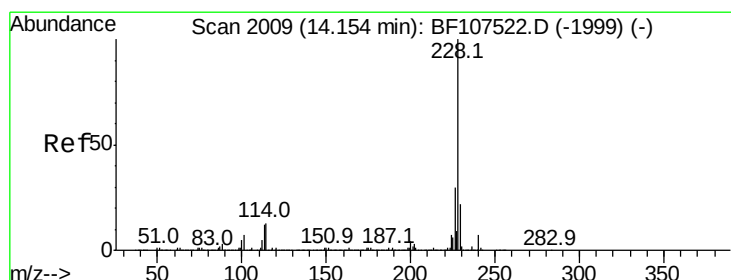
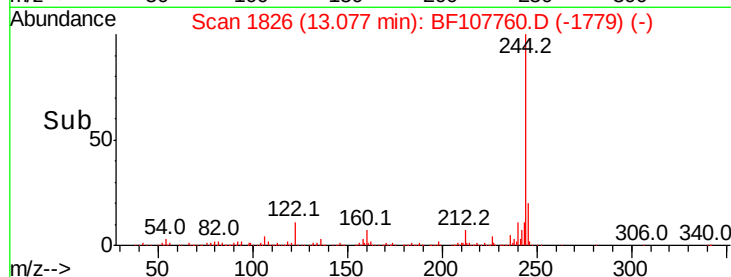
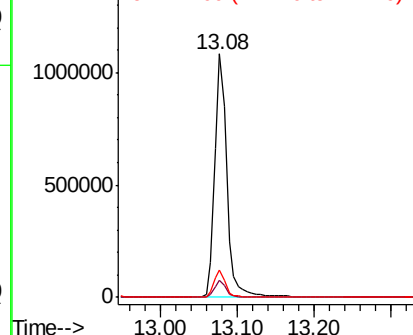
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

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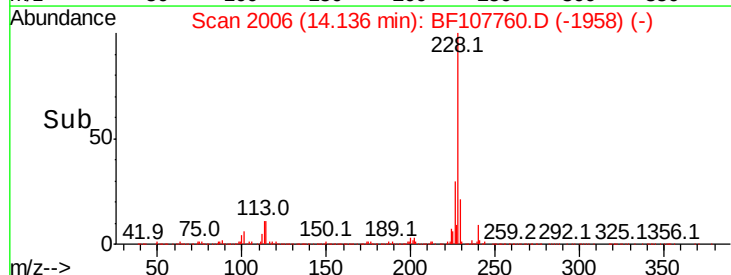
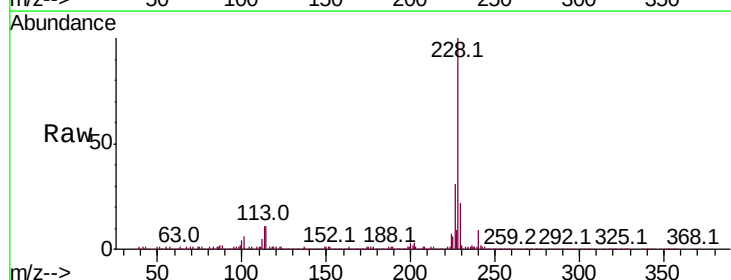
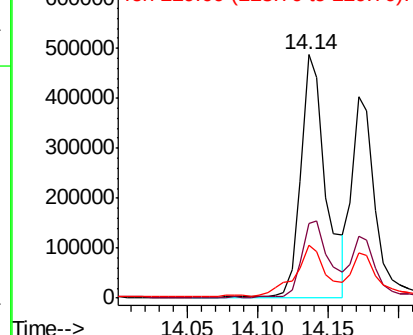
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

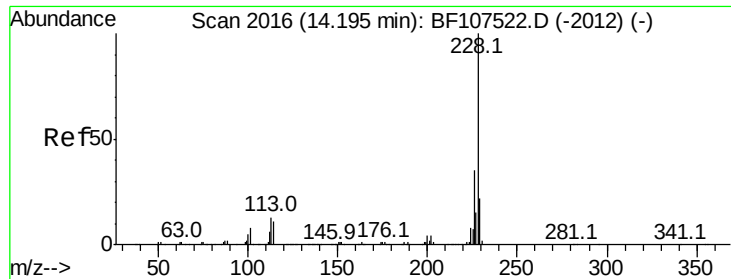


#80
 Benzo(a)anthracene
 Concen: 24.623 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107760.D
 Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.9	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





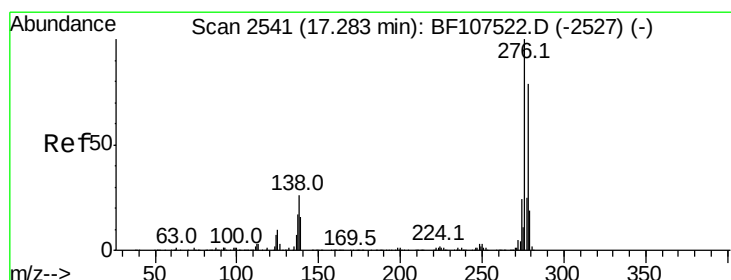
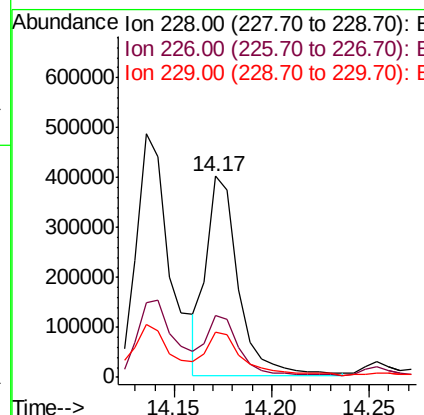
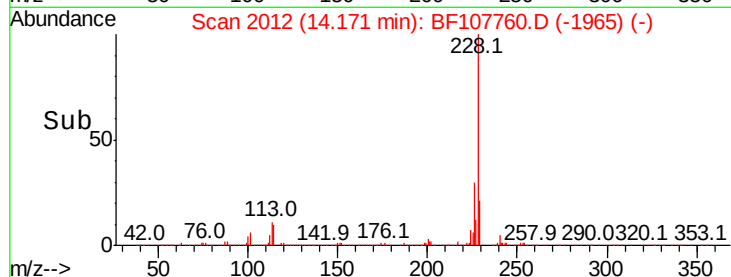
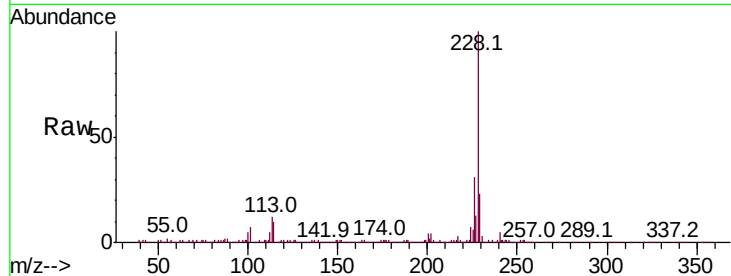
#82
Chrysene
Concen: 19.744 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.6	16.2	24.4

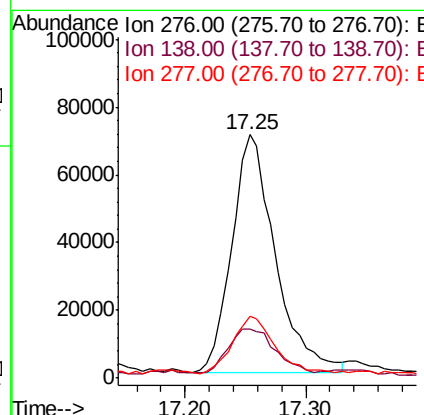
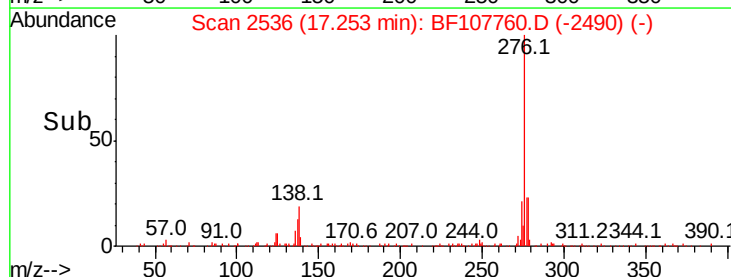
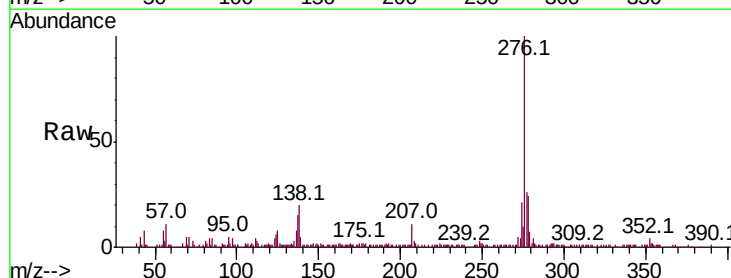
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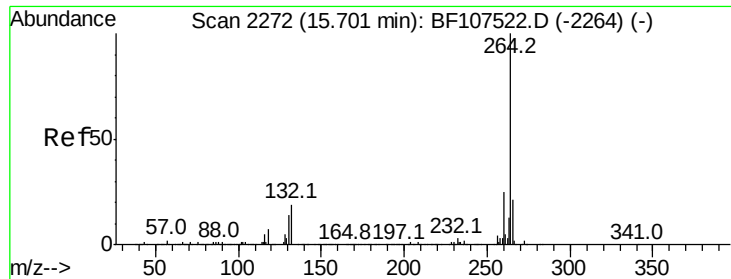
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.885 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.03 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	23.3	20.1	30.1





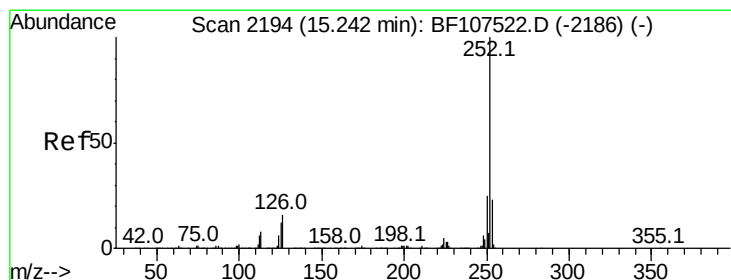
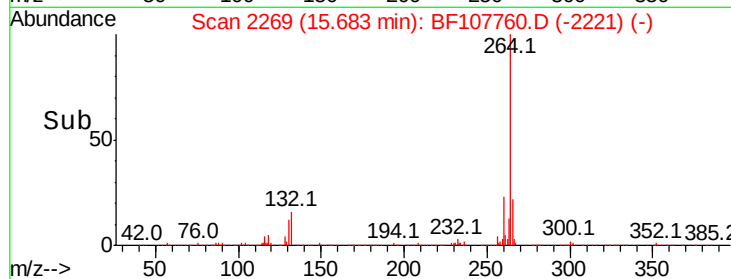
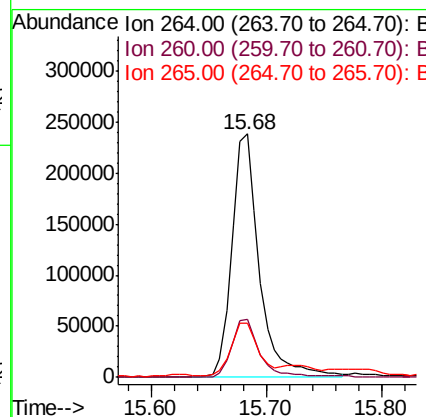
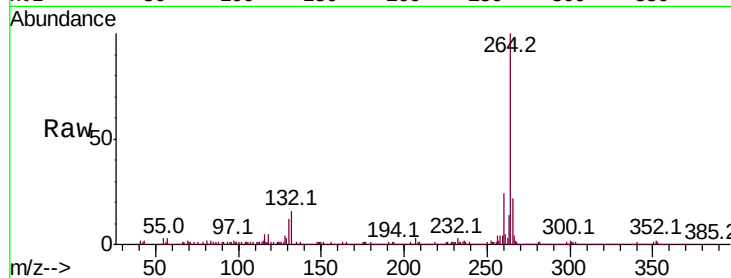
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	17.5	26.3

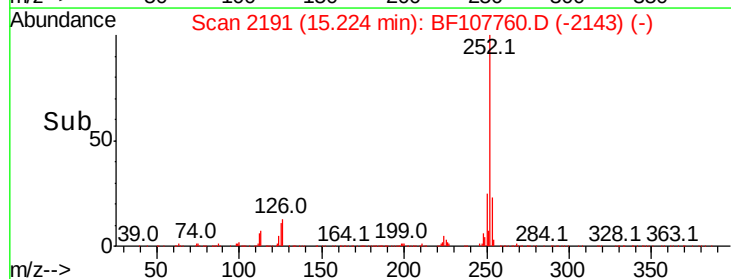
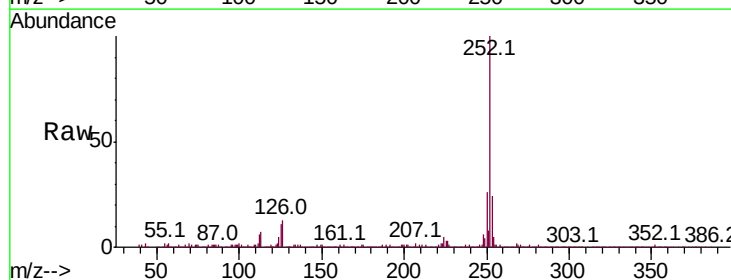
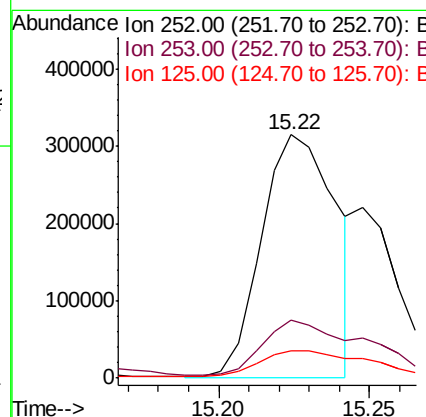
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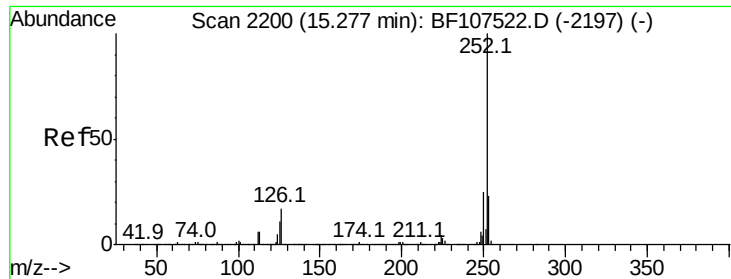
Sohil
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#87
Benzo(b)fluoranthene
Concen: 25.705 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.2	9.0	13.6





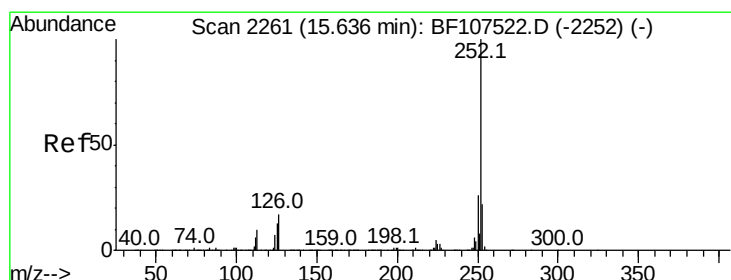
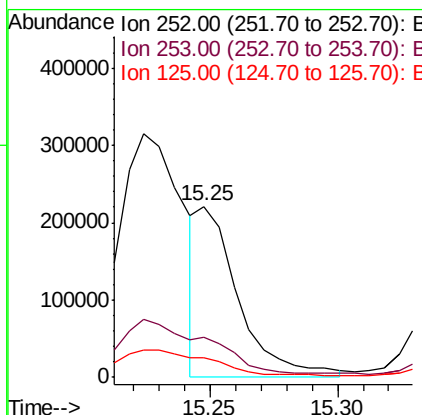
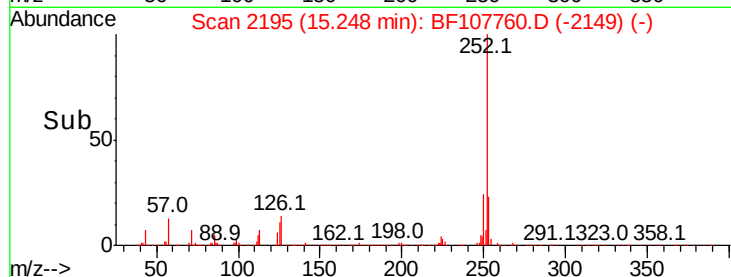
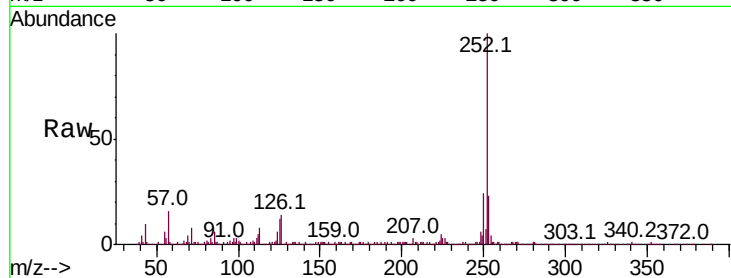
#88
Benzo(k)fluoranthene
Concen: 11.941 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.03 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.8	10.2	15.2

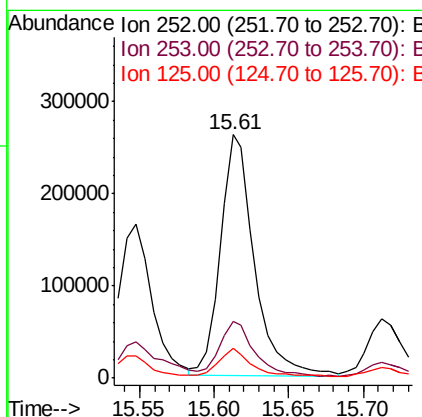
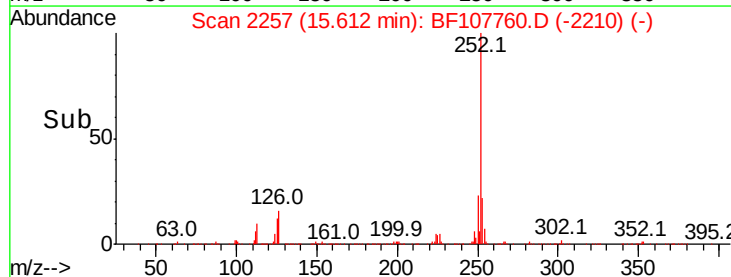
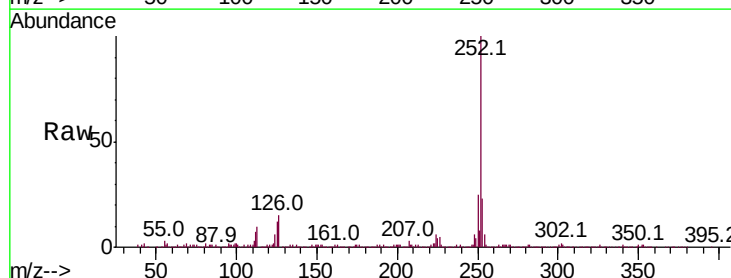
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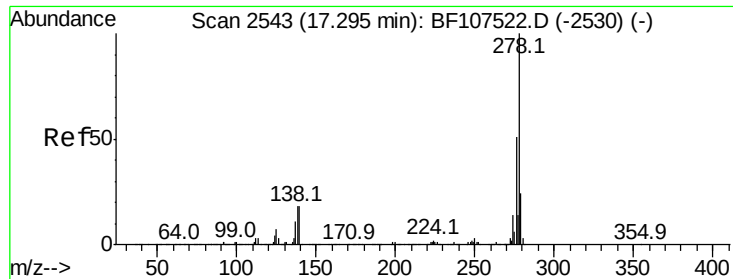
Sohil
7/30/2018 2:03:09 PM



#89
Benzo(a)pyrene
Concen: 21.632 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	12.4	9.8	14.6





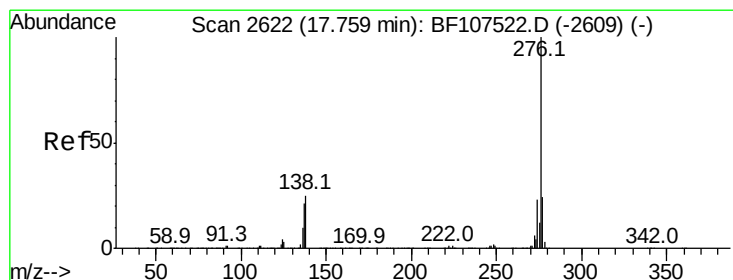
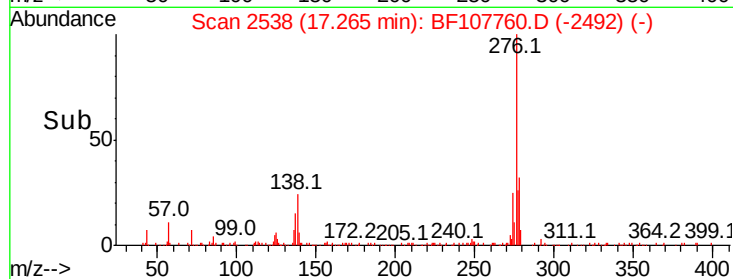
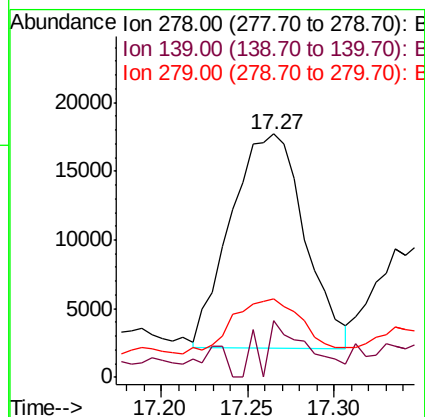
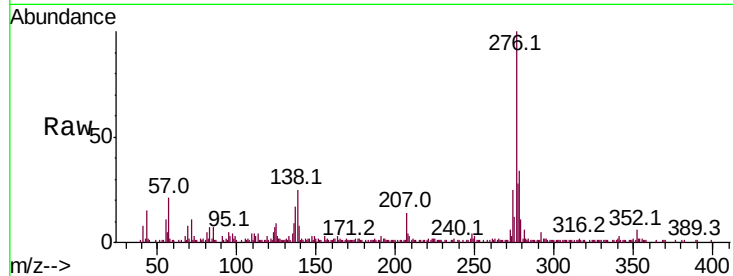
#90
Dibenzo(a,h)anthracene
Concen: 2.754 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.03 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Instrument :
BNA_F
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	15.9	23.9
279	32.3	19.0	28.4

Manual Integrations
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7/30/2018 2:03:09 PM



#91
Benzo(g,h,i)perylene
Concen: 9.334 ng
RT: 17.73 min Scan# 2617
Delta R.T. -0.03 min
Lab File: BF107760.D
Acq: 27 Jul 2018 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	21.3	21.8	32.8

