

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107709.D
 Acq On : 26 Jul 2018 19:32
 Operator : JU/SJ
 Sample : J4095-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-SB-104-05-06-07-0-11

Manual Integrations
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Sohil
 7/27/2018 2:53:53 PM

Quant Time: Jul 27 10:38:45 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	173321	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	699696	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	330688	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	654273	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	398902	20.00	ng	-0.02
86) Perylene-d12	15.68	264	454878	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	844919	78.38	ng	-0.01
7) Phenol-d6	6.60	99	1044398	80.69	ng	-0.02
23) Nitrobenzene-d5	7.52	82	685437	66.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	346929	92.26	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1298215	62.31	ng	-0.02
78) Terphenyl-d14	13.08	244	1084795	69.62	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	121113	4.860	ng	99
70) Phenanthrene	11.52	178	106454	3.339	ng	99
74) Fluoranthene	12.71	202	168276	4.919	ng	95
77) Pyrene	12.94	202	144676	5.302	ng	97
80) Benzo(a)anthracene	14.14	228	60103	2.571	ng	94
82) Chrysene	14.17	228	56514	2.517	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	38979	2.048	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	71922m	2.889	ng	
89) Benzo(a)pyrene	15.61	252	62380	2.739	ng	# 93
91) Benzo(g,h,i)perylene	17.72	276	40622	2.092	ng	# 90

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

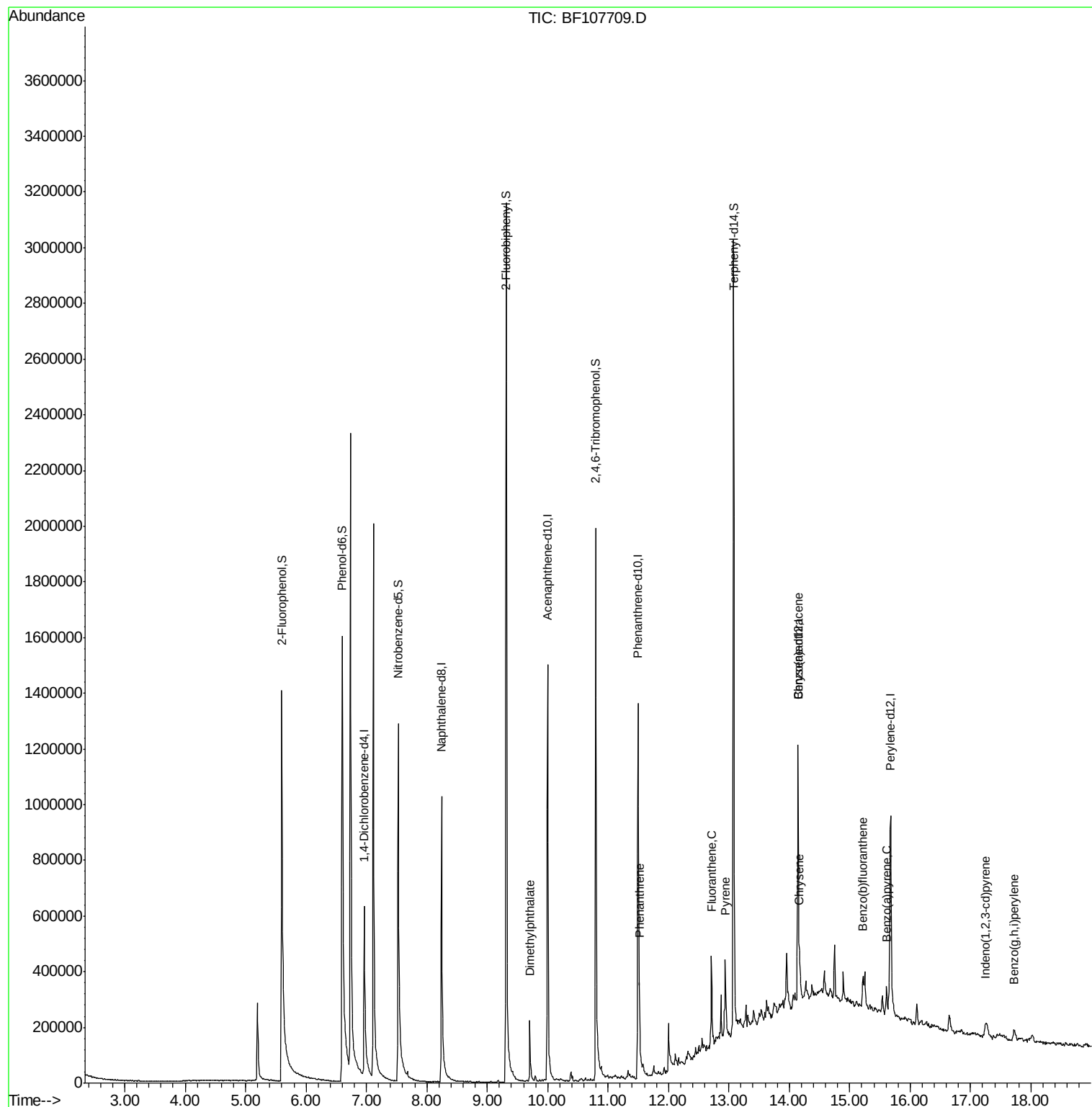
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
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ALS Vial : 13 Sample Multiplier: 1

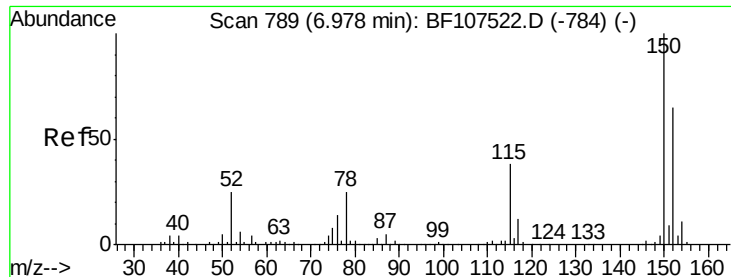
Instrument :
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#1

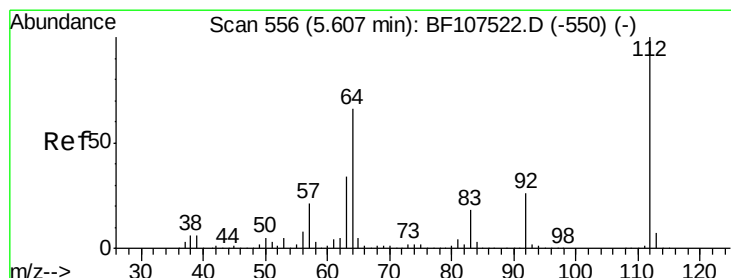
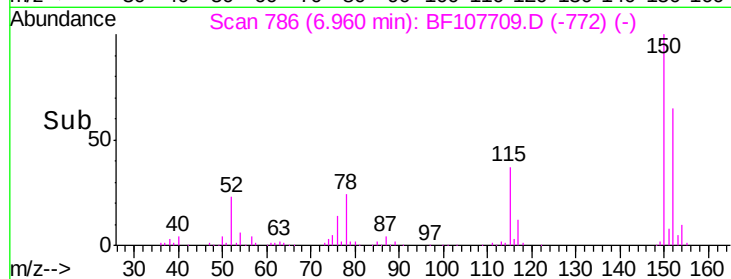
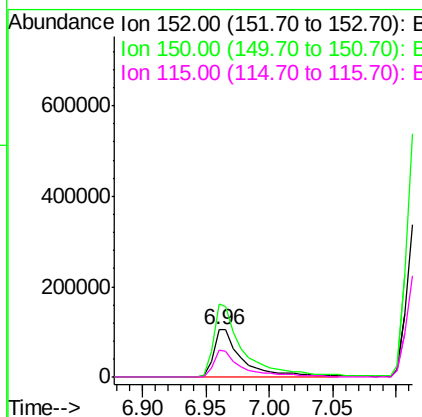
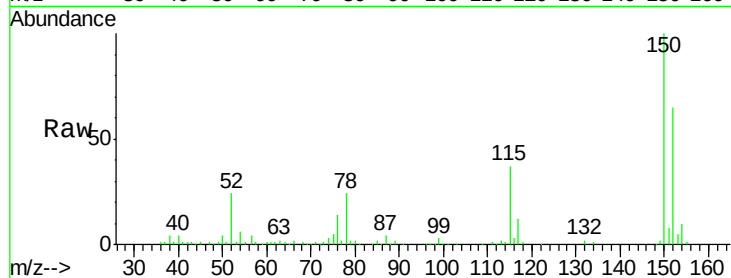
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	57.2	50.1	75.1

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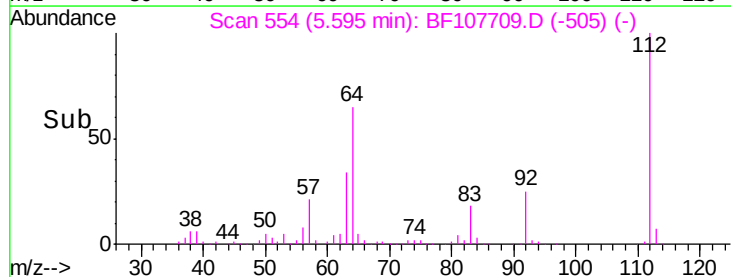
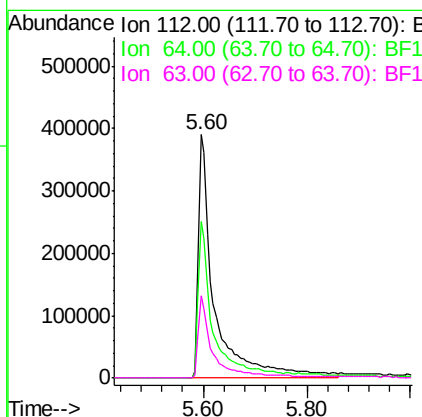
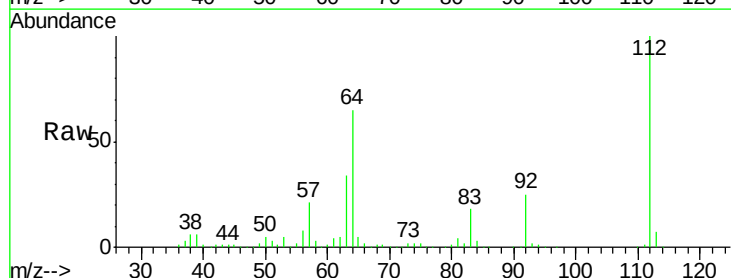
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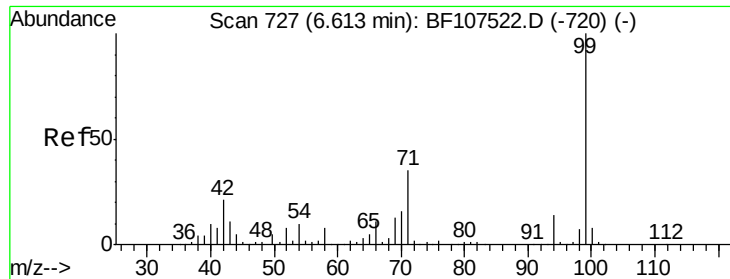


#5

2-Fluorophenol
Concen: 78.379 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 80.686 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

CON-SB-104-05-06-07-0-11

Tgt Ion: 99 Resp: 1044398

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

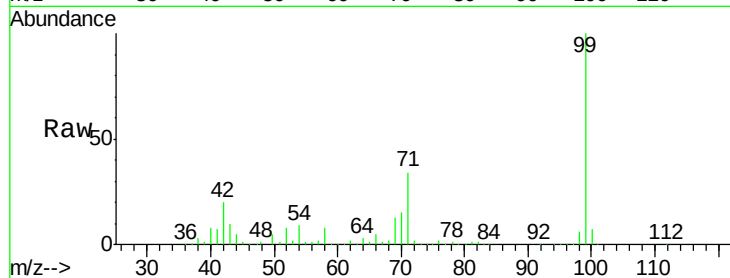
71 34.1 25.4 38.0

Manual Integrations

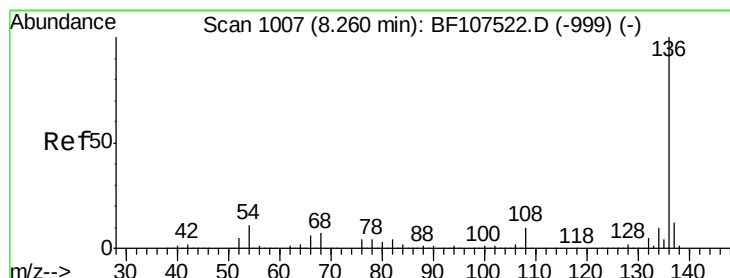
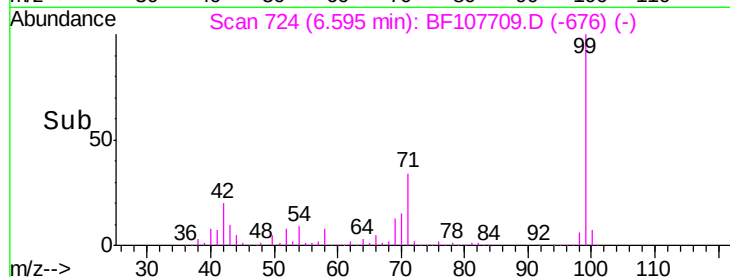
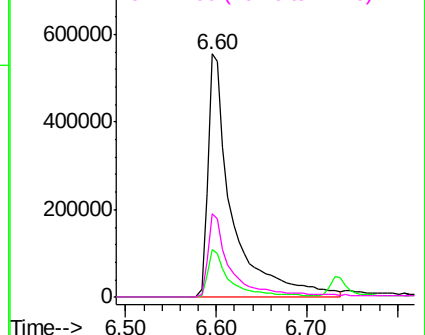
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Tgt Ion: 136 Resp: 699696

Ion Ratio Lower Upper

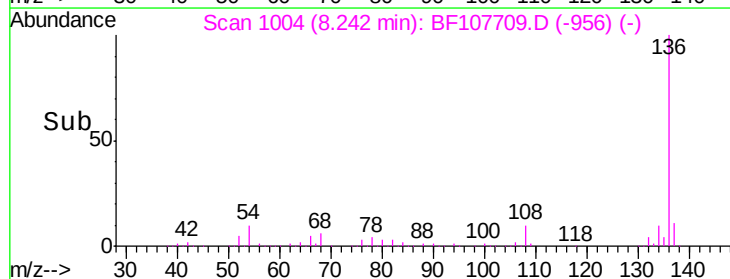
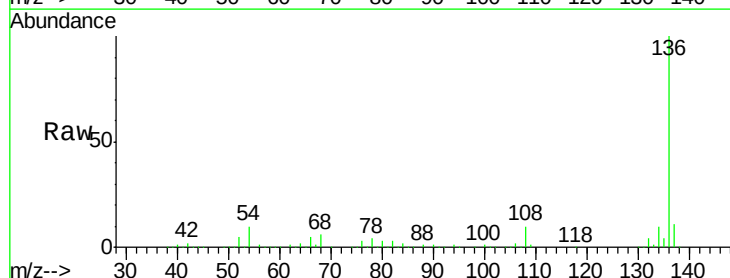
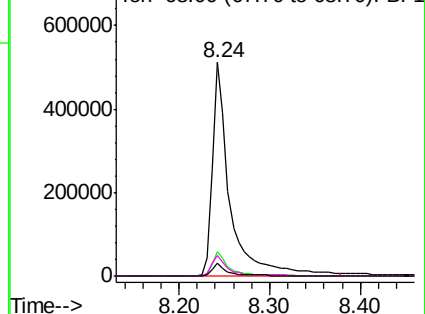
136 100

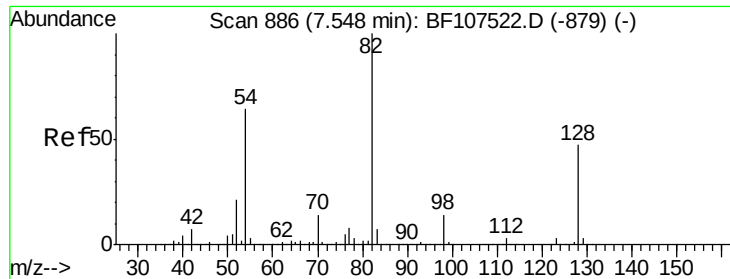
137 11.1 8.9 13.3

54 9.7 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





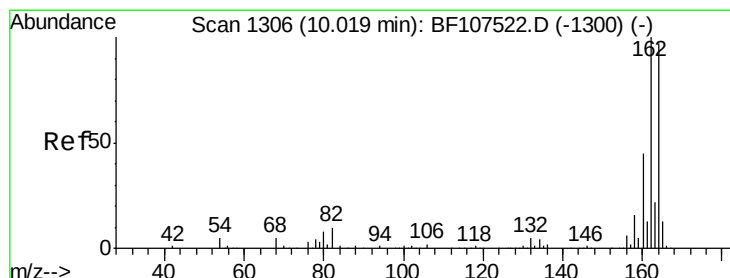
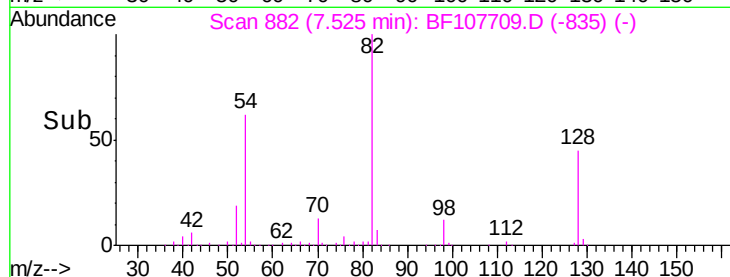
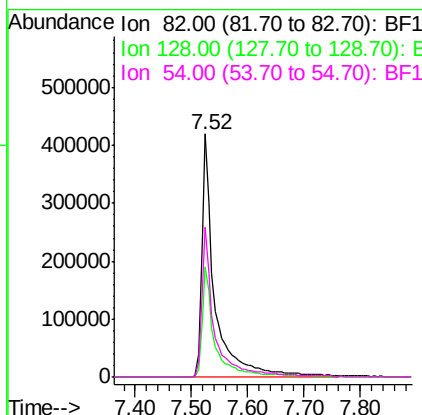
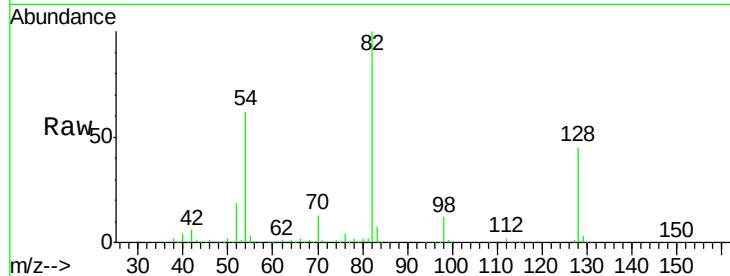
#23
Nitrobenzene-d5
Concen: 66.112 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	61.7	41.4	62.2

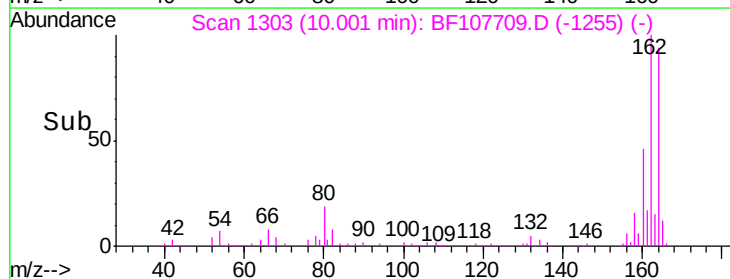
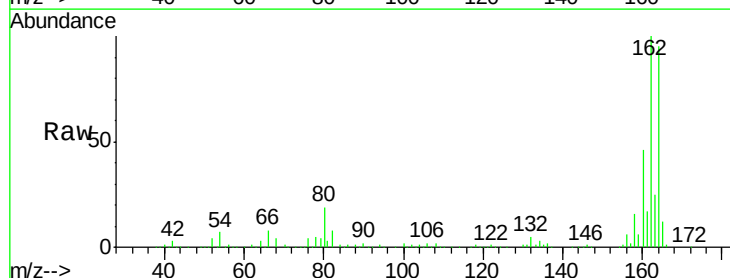
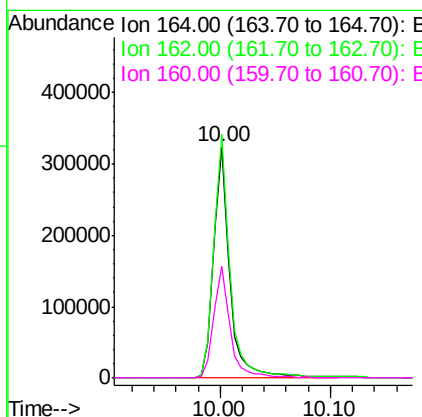
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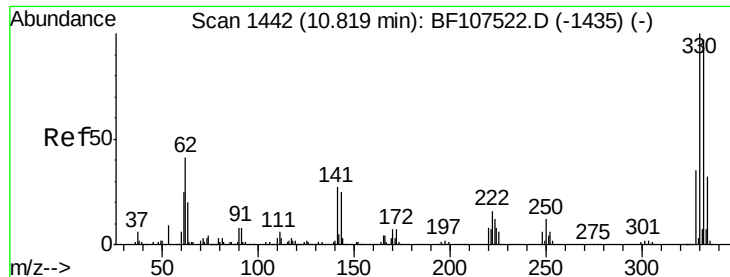
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	48.3	38.3	57.5





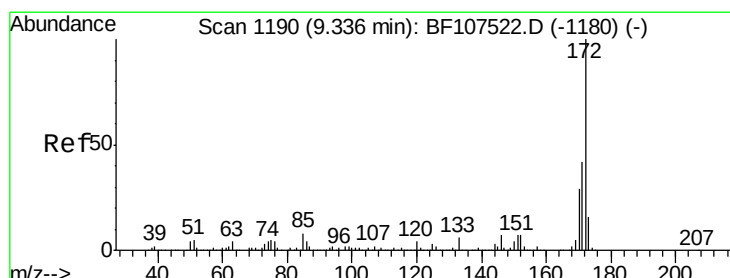
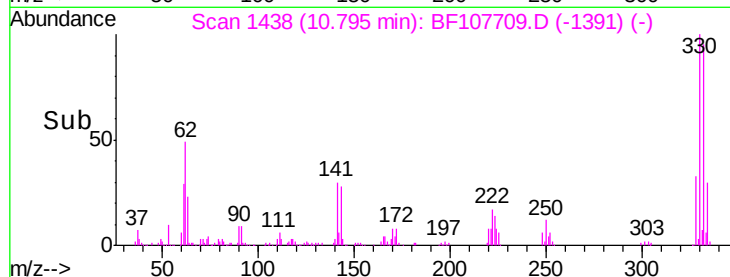
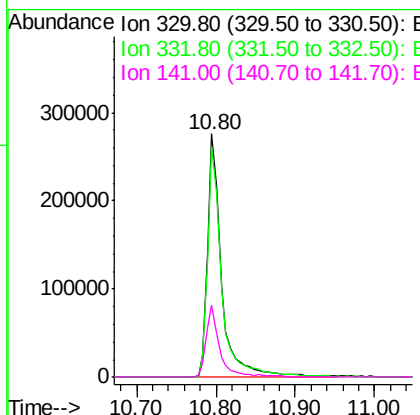
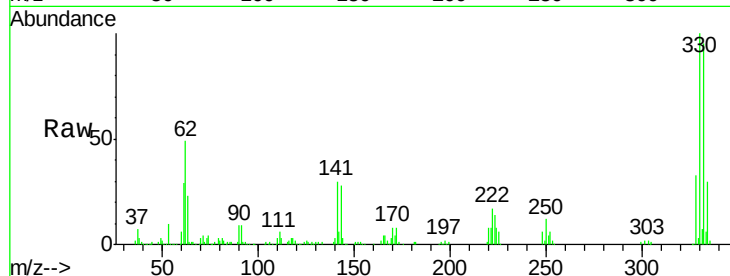
#41
 2,4,6-Tribromophenol
 Concen: 92.258 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107709.D
 Acq: 26 Jul 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	346929		
332	96.0	77.0	115.6	
141	28.9	29.9	44.9#	

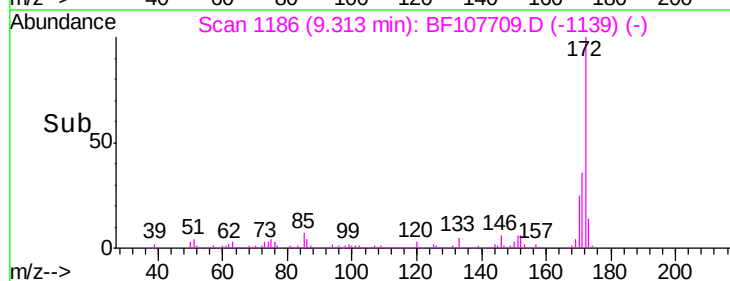
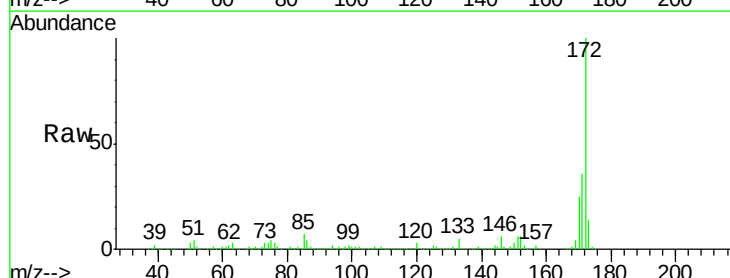
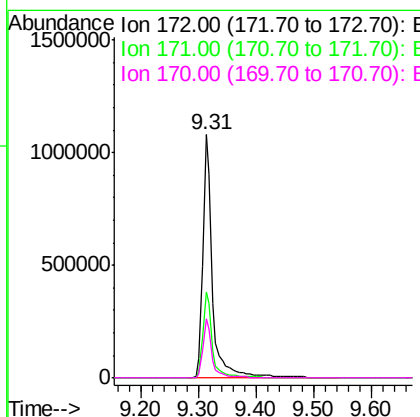
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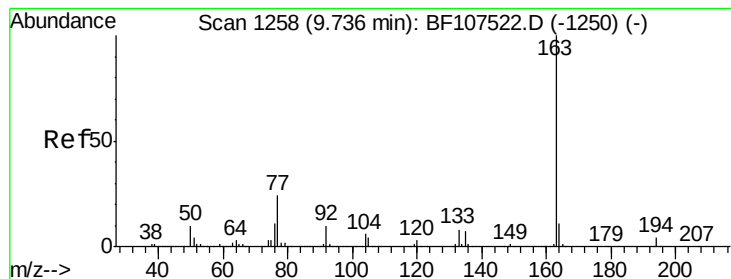
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#44
 2-Fluorobiphenyl
 Concen: 62.308 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107709.D
 Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1298215		
171	35.5	29.7	44.5	
170	24.5	19.6	29.4	





#49

Dimethylphthalate

Concen: 4.860 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Instrument :

BNA_F

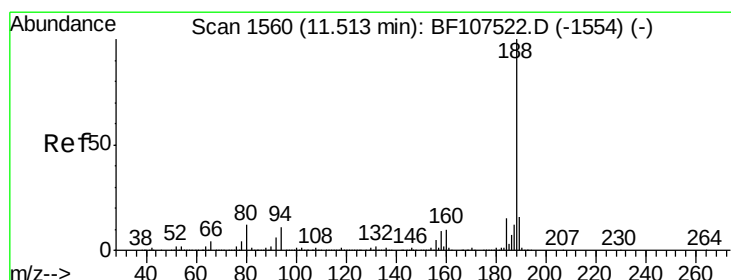
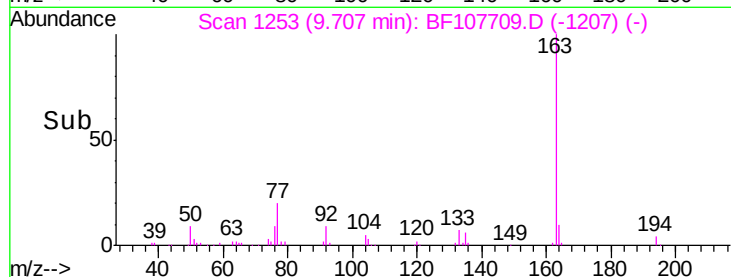
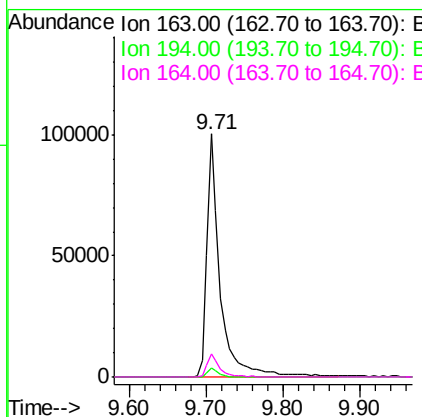
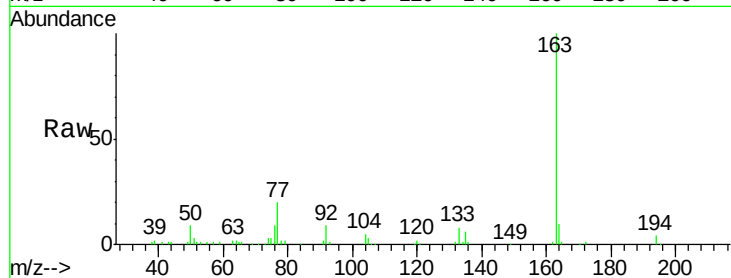
ClientSampleId :

CON-SB-104-05-06-07-0-11

Tgt Ion:	163	Resp:	121113
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.7	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

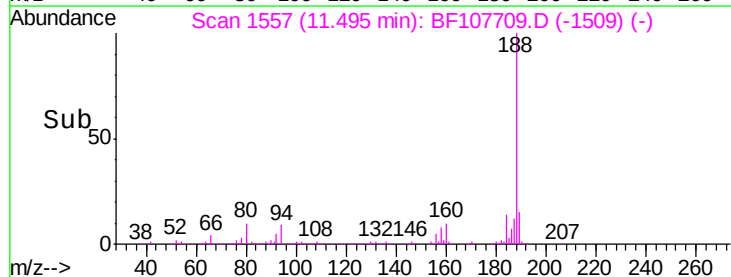
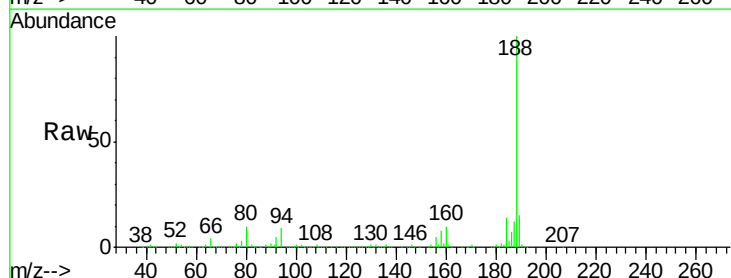
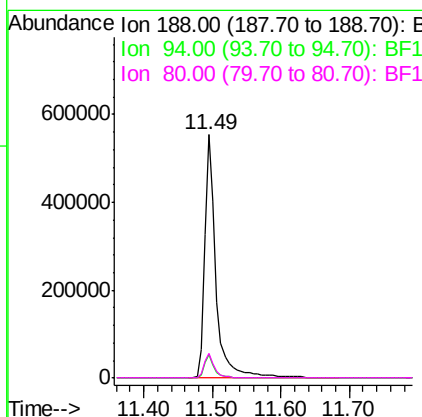
RT: 11.49 min Scan# 1557

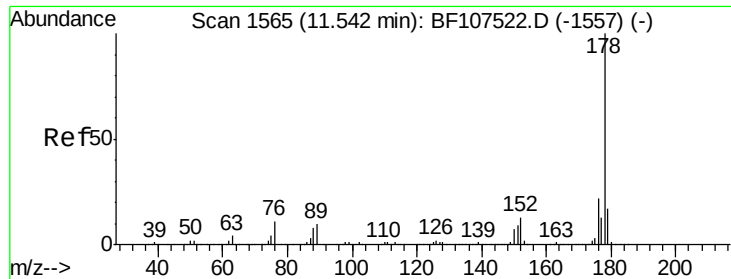
Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Tgt Ion:	188	Resp:	654273
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8





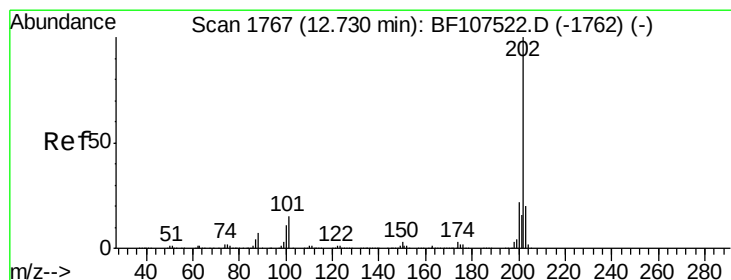
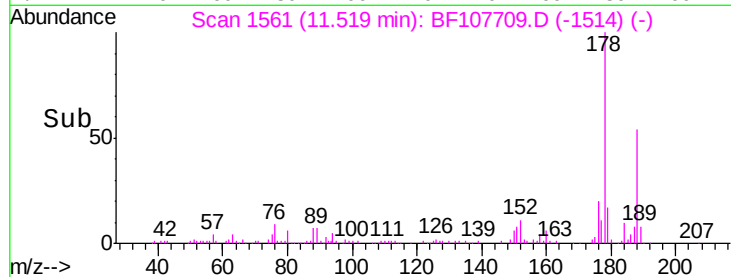
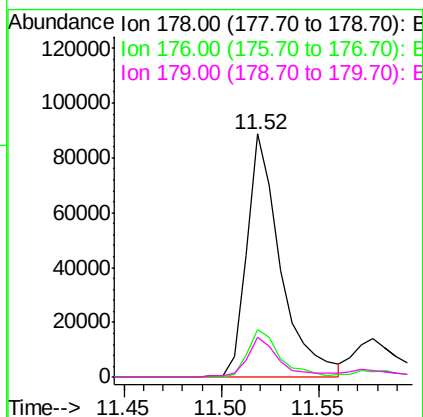
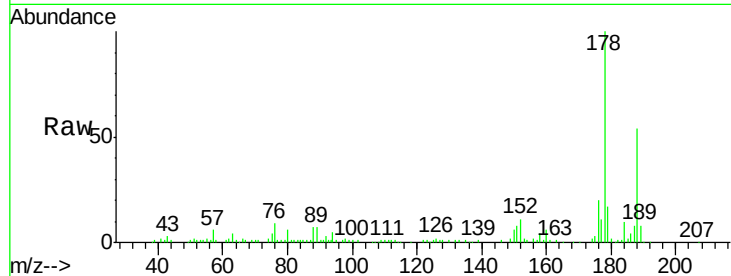
#70
Phenanthrene
Concen: 3.339 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Instrument :
BNA_F
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CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.6	13.0	19.6

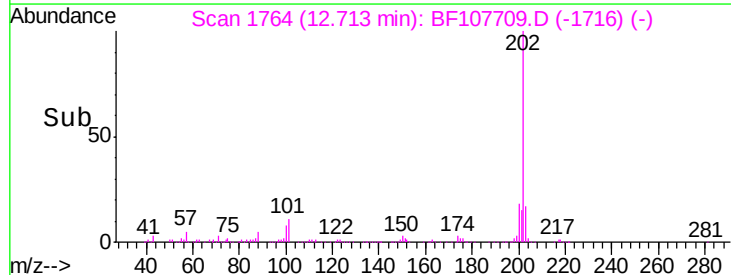
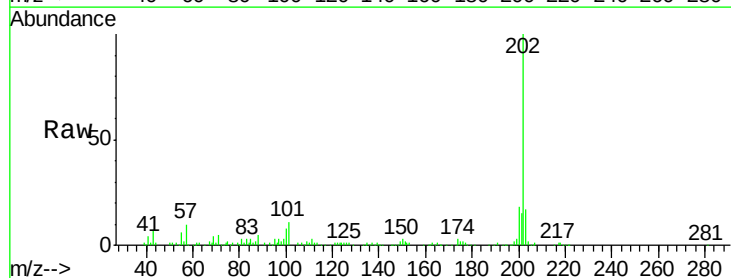
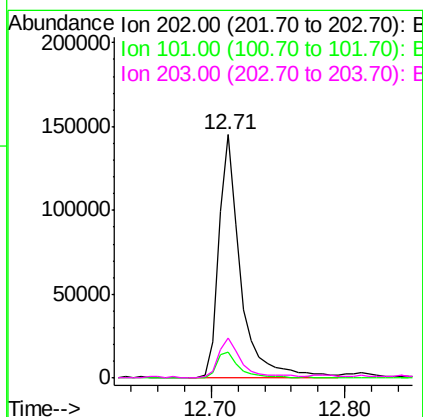
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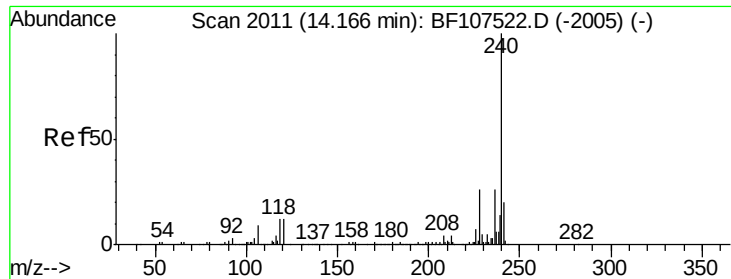
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#74
Fluoranthene
Concen: 4.919 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Instrument :

BNA_F

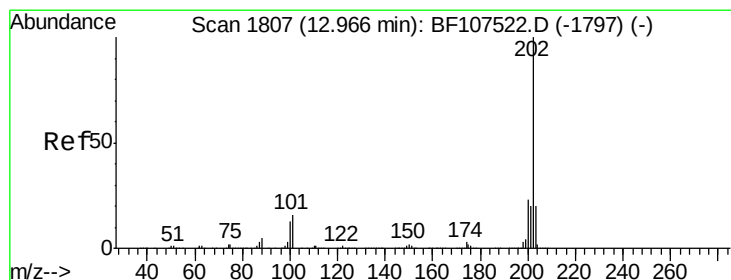
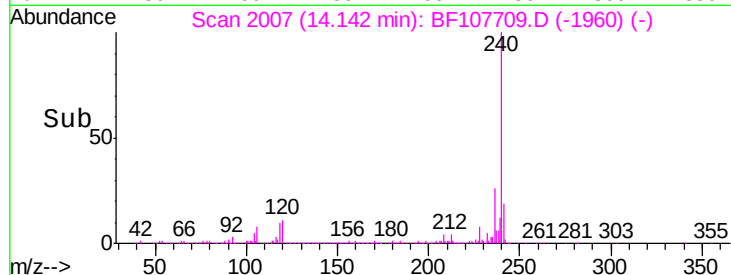
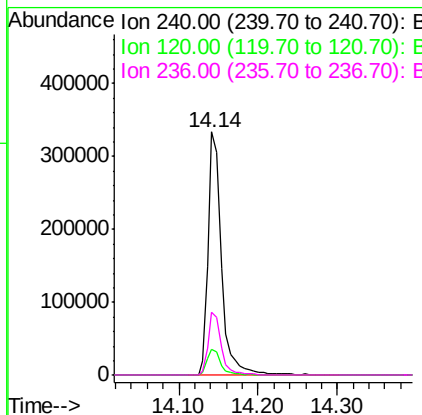
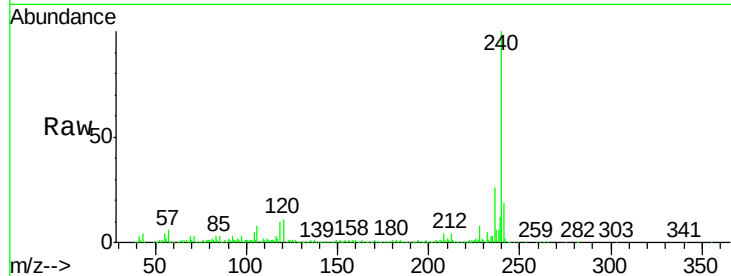
ClientSampleId :

CON-SB-104-05-06-07-0-11

Tgt	Ion	240	Resp:	398902
Ion	Ratio	Lower	Upper	
240	100			
120	10.9	9.5	14.3	
236	25.7	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 5.302 ng

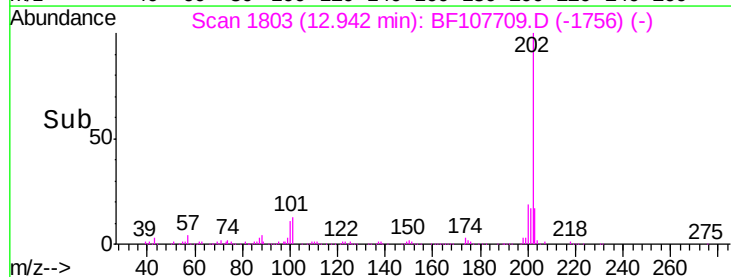
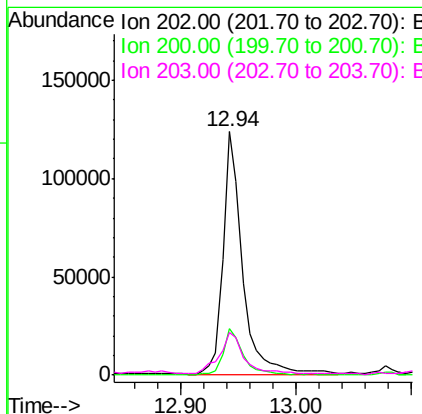
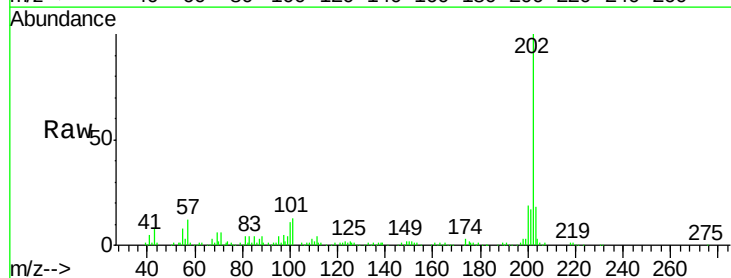
RT: 12.94 min Scan# 1803

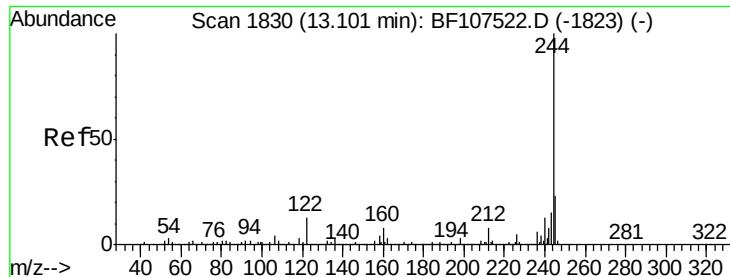
Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Tgt	Ion	202	Resp:	144676
Ion	Ratio	Lower	Upper	
202	100			
200	19.3	17.4	26.2	
203	17.6	14.3	21.5	





#78

Terphenyl-d14

Concen: 69.620 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Instrument :

BNA_F

ClientSampleId :

CON-SB-104-05-06-07-0-11

Tgt Ion:244 Resp: 1084795

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

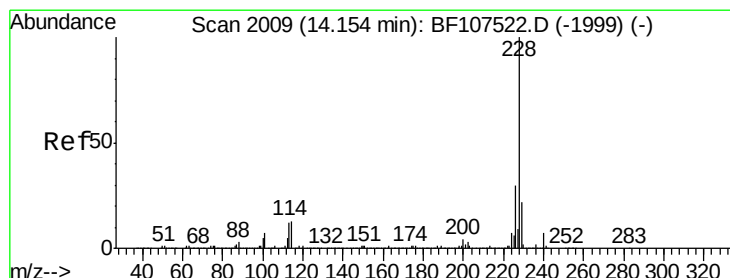
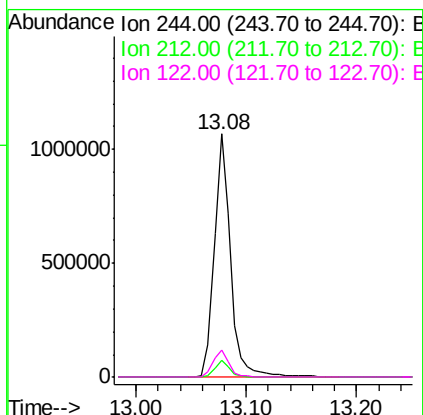
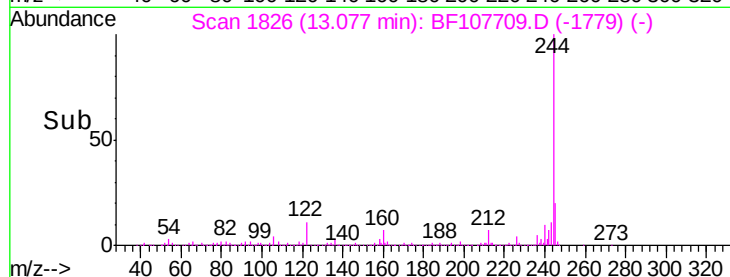
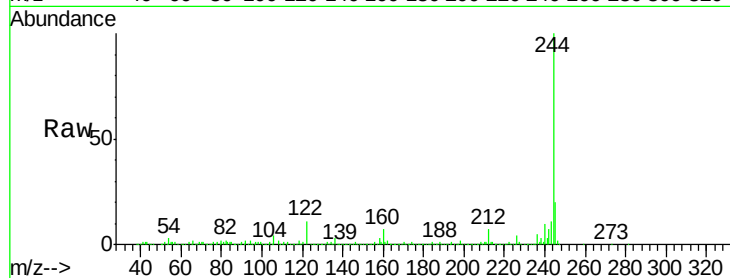
122 11.0 11.0 16.4

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#80

Benzo(a)anthracene

Concen: 2.571 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

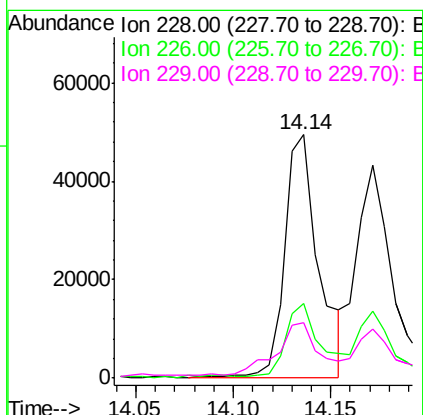
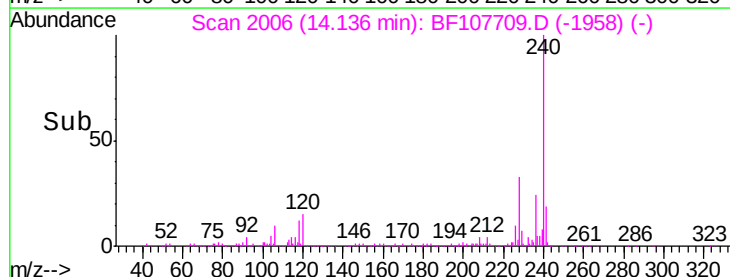
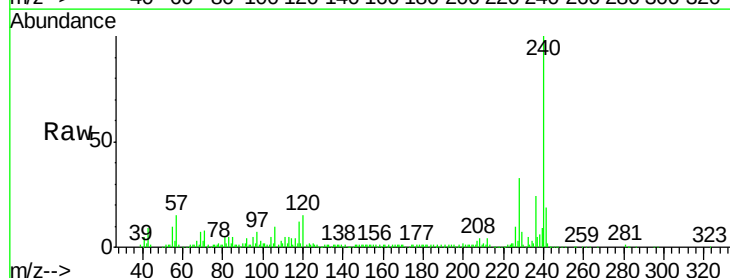
Tgt Ion:228 Resp: 60103

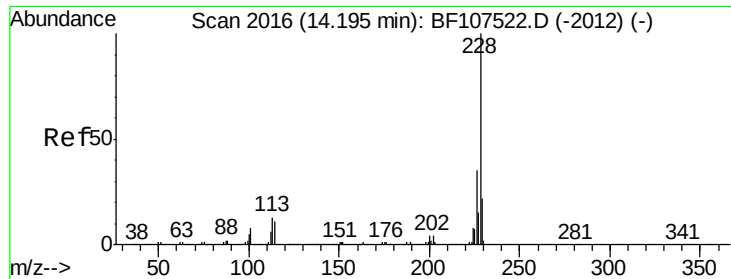
Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

229 22.6 15.8 23.6





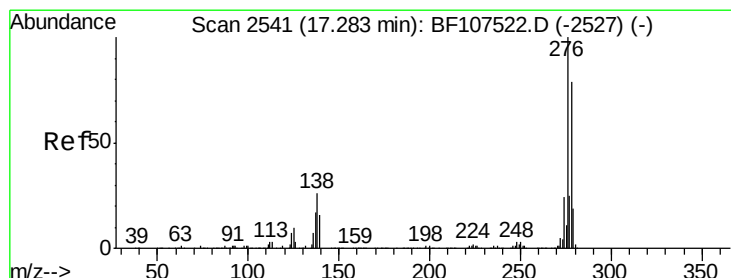
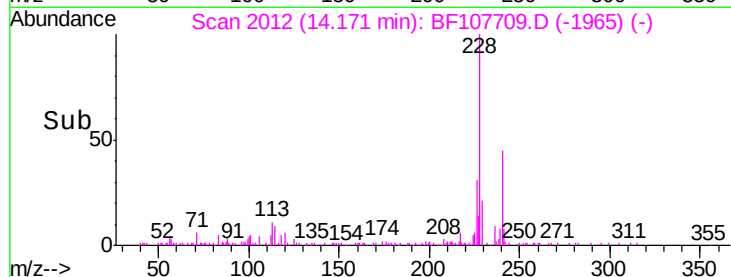
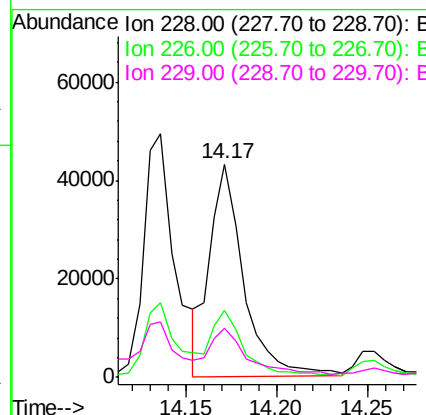
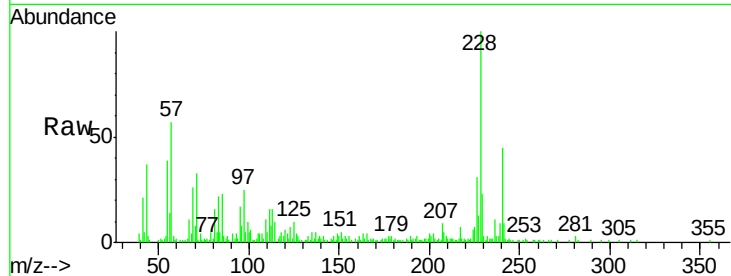
#82
Chrysene
Concen: 2.517 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.0	16.2	24.4

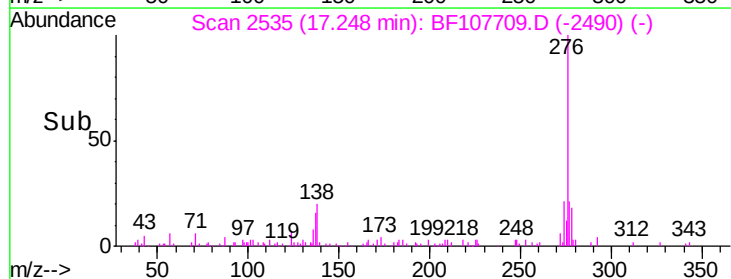
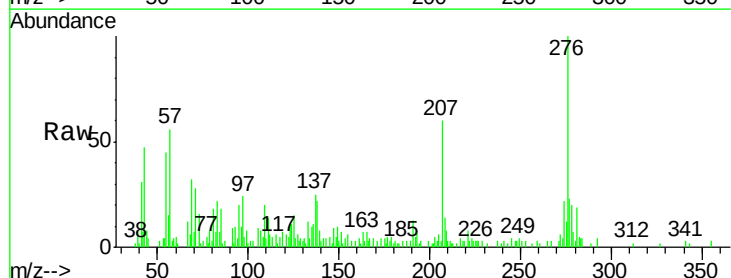
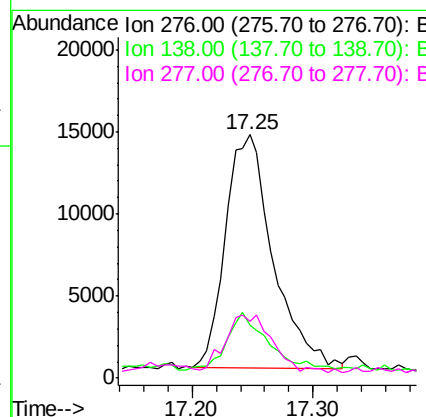
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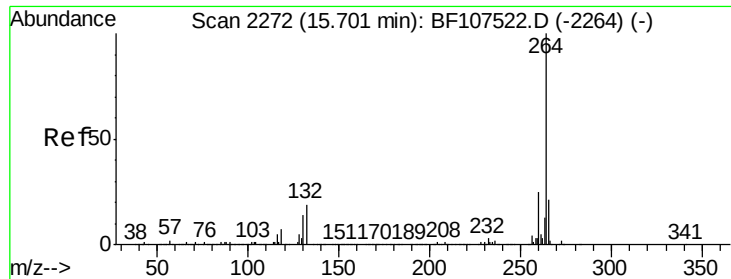
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.048 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.04 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	25.6	20.1	30.1





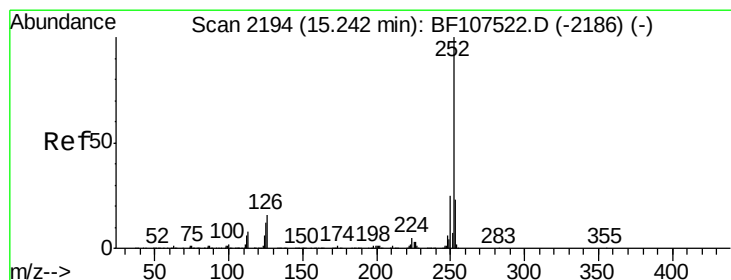
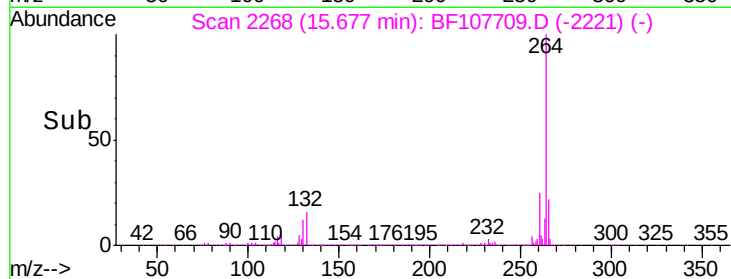
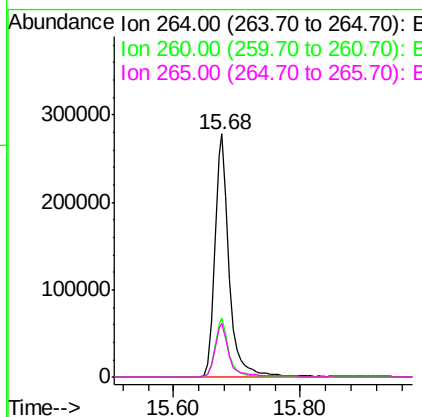
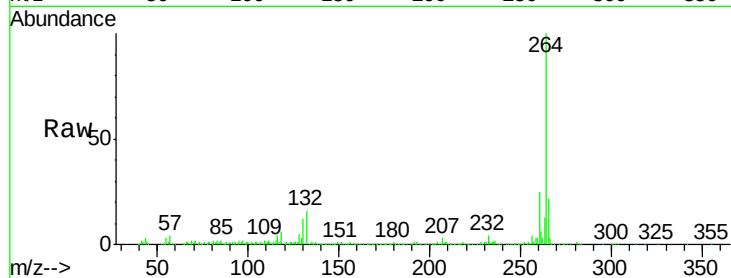
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
CON-SB-104-05-06-07-0-11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.4	17.5	26.3

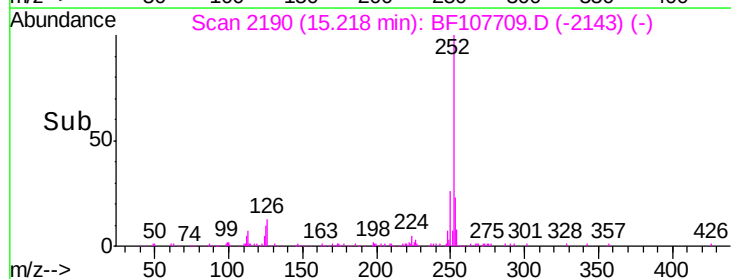
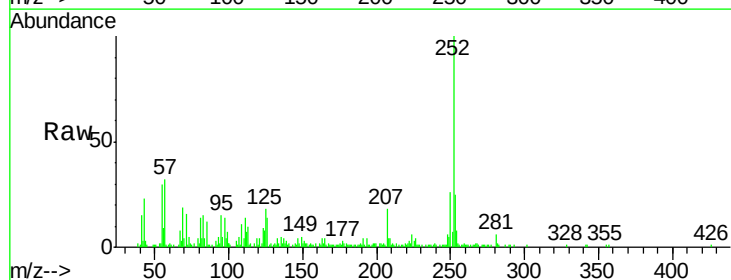
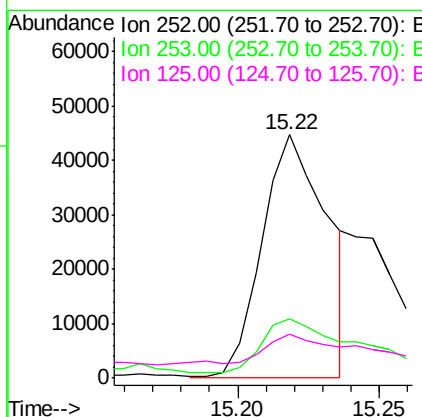
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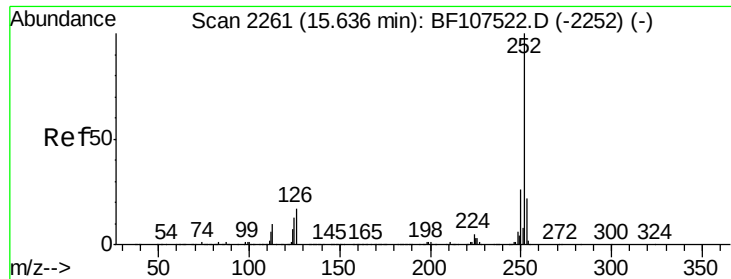
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#87
Benzo(b)fluoranthene
Concen: 2.889 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107709.D
Acq: 26 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	17.9	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.739 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Instrument :

BNA_F

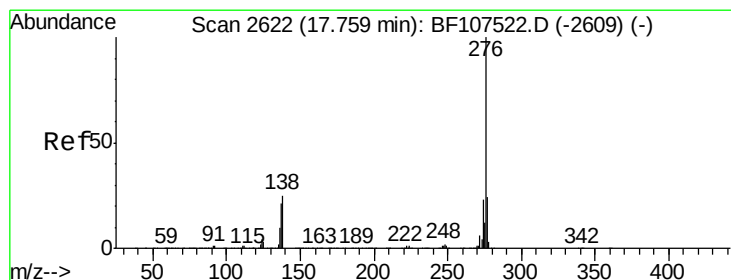
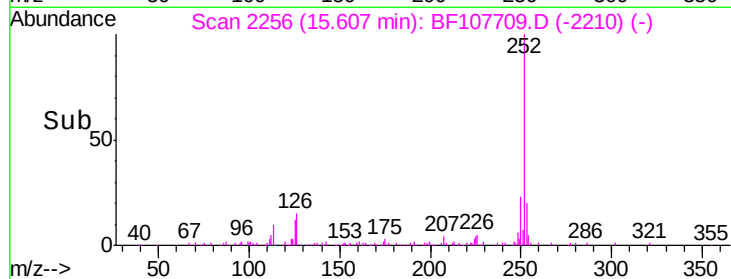
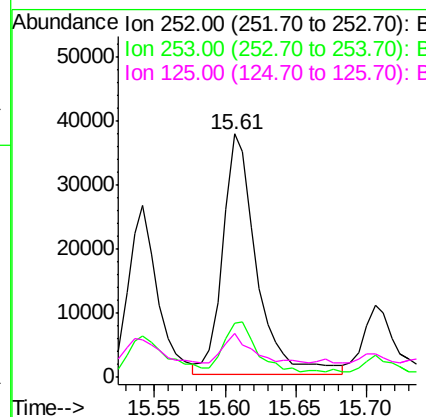
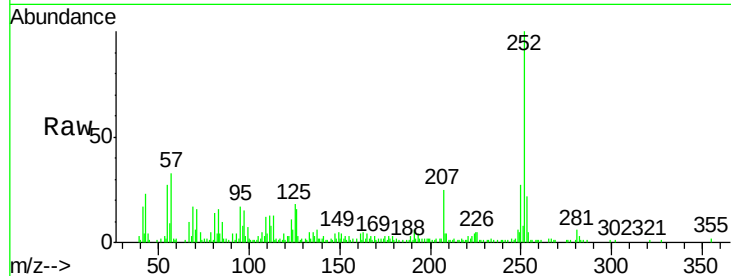
ClientSampleId :

CON-SB-104-05-06-07-0-11

Tgt Ion:	252	Resp:	62380
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	17.9	9.8	14.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 2.092 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.04 min

Lab File: BF107709.D

Acq: 26 Jul 2018 19:32

Tgt Ion:	276	Resp:	40622
Ion Ratio	Lower	Upper	
276	100		
277	25.3	17.9	26.9
138	20.9	21.8	32.8#

