

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107421.D
 Acq On : 16 Jul 2018 23:49
 Operator : JU/SJ
 Sample : J3821-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-071218-B

Manual Integrations
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Quant Time: Jul 17 02:33:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	151158	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	527393	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	248881	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	437029	20.00	ng	0.00
75) Chrysene-d12	14.17	240	396204	20.00	ng	0.00
86) Perylene-d12	15.70	264	279908	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	421853	42.39	ng	0.00
7) Phenol-d6	6.60	99	560793	43.58	ng	0.00
23) Nitrobenzene-d5	7.54	82	382454	38.67	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	97058	44.39	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	637363	36.52	ng	0.00
78) Terphenyl-d14	13.10	244	581676	36.48	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.73	163	107655	5.444	ng	Qvalue # 95
51) Acenaphthene	10.05	154	40281	2.562	ng	98
57) Fluorene	10.57	166	49821	3.096	ng	99
70) Phenanthrene	11.54	178	530402	24.353	ng	99
71) Anthracene	11.59	178	133400m	6.149	ng	
72) Carbazole	11.74	167	49993	2.434	ng	# 97
74) Fluoranthene	12.74	202	710531	28.703	ng	92
77) Pyrene	12.97	202	678798	25.194	ng	97
80) Benzo(a)anthracene	14.15	228	391458	16.148	ng	98
82) Chrysene	14.19	228	343686	14.841	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	95842	5.814	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	326653m	19.938	ng	
88) Benzo(k)fluoranthene	15.27	252	120913m	7.562	ng	
89) Benzo(a)pyrene	15.63	252	222821	14.818	ng	# 92
90) Dibenzo(a,h)anthracene	17.27	278	27499	2.423	ng	# 79
91) Benzo(g,h,i)perylene	17.74	276	84498	7.327	ng	# 89

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

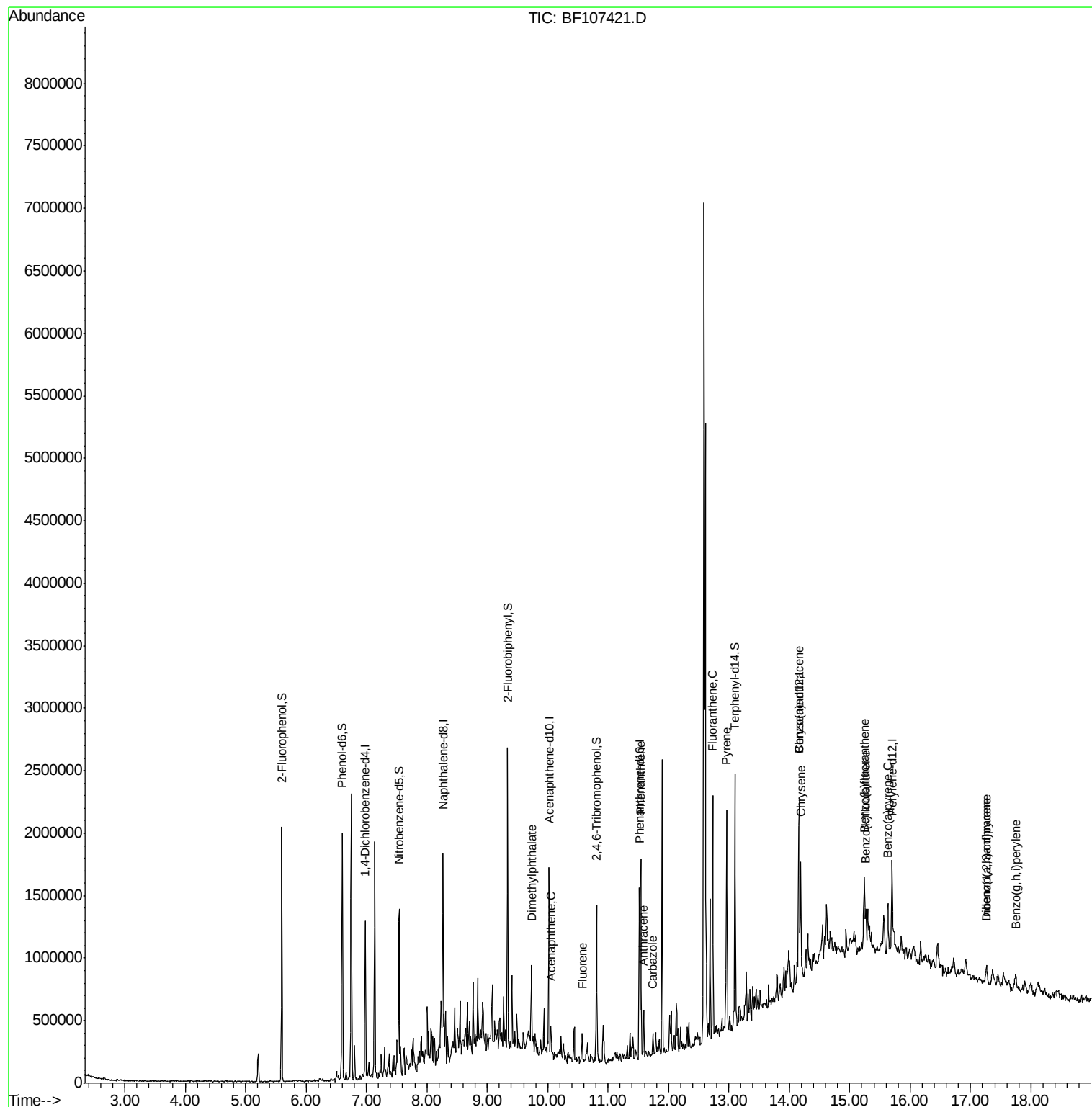
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
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ALS Vial : 13 Sample Multiplier: 1

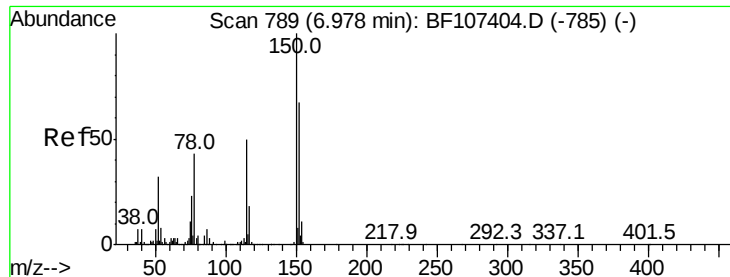
Instrument :
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ClientSampleId :
HR-05-071218-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

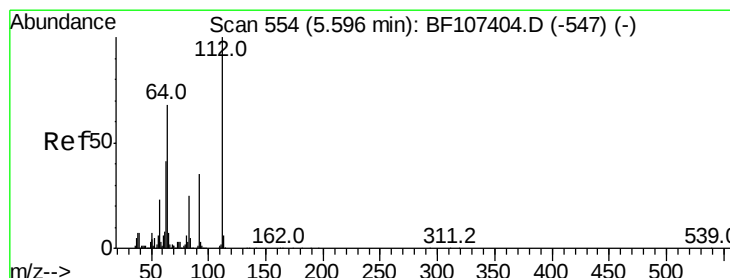
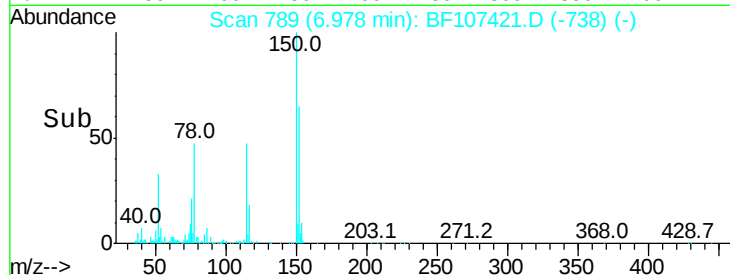
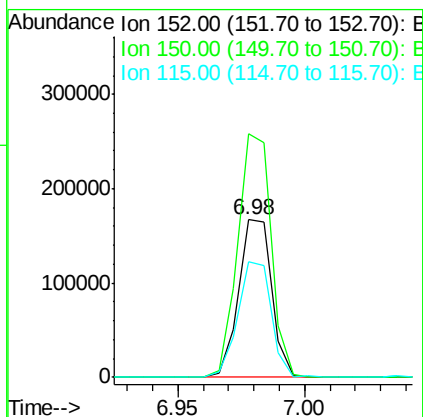
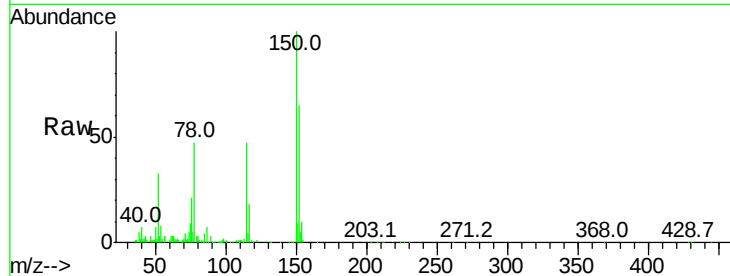
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	73.3	50.1	75.1

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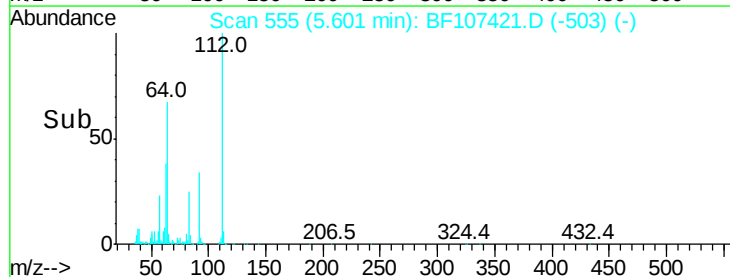
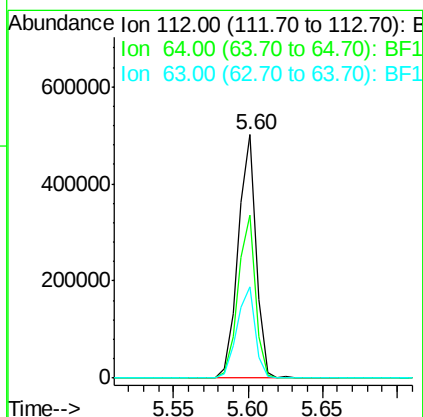
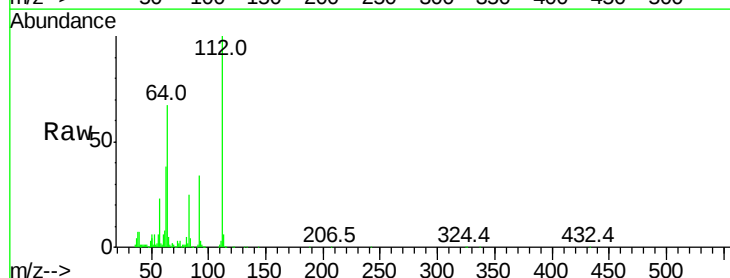
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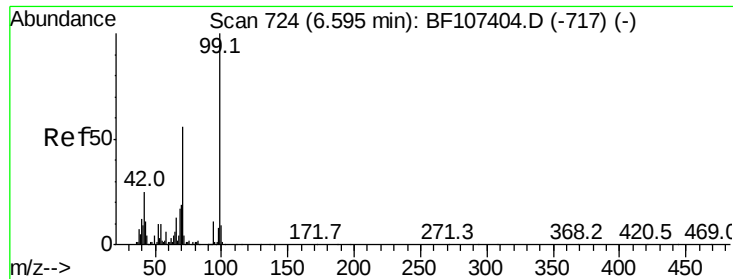


#5

2-Fluorophenol
Concen: 42.385 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	37.8	23.7	35.5





#7

Phenol-d6

Concen: 43.581 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Instrument :

BNA_F

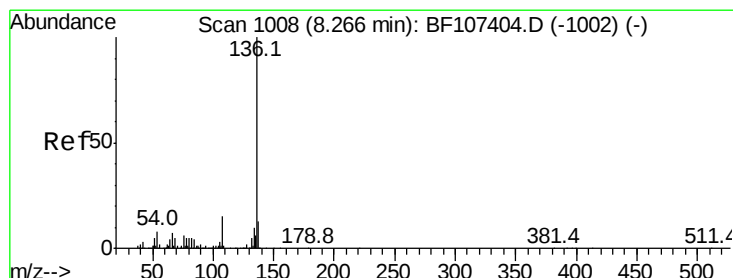
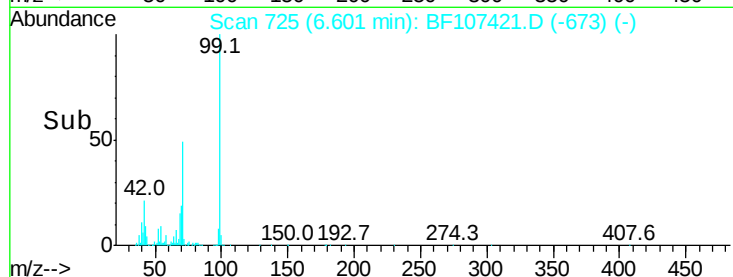
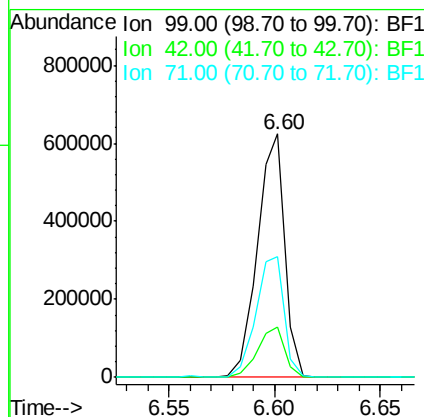
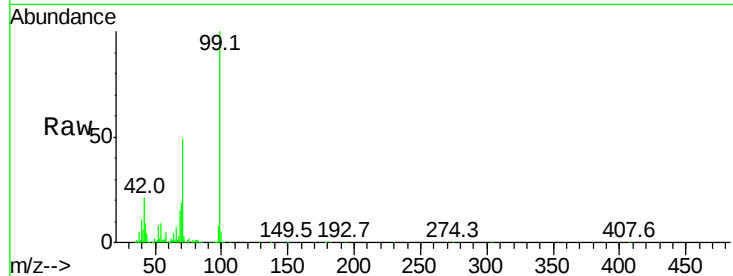
ClientSampleId :

HR-05-071218-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		560793		
42	20.7	14.5	21.7		
71	49.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

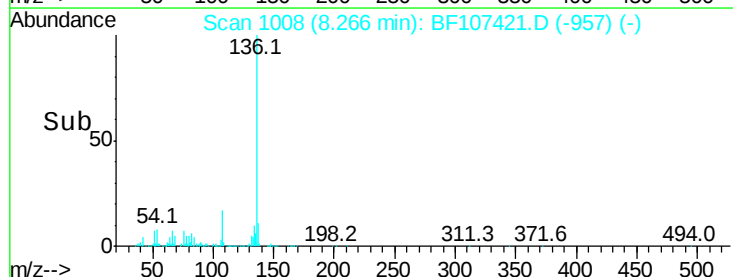
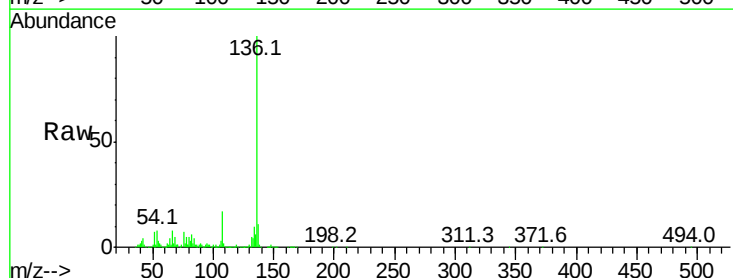
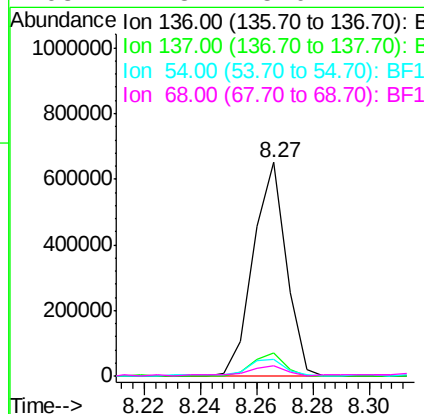
RT: 8.27 min Scan# 1008

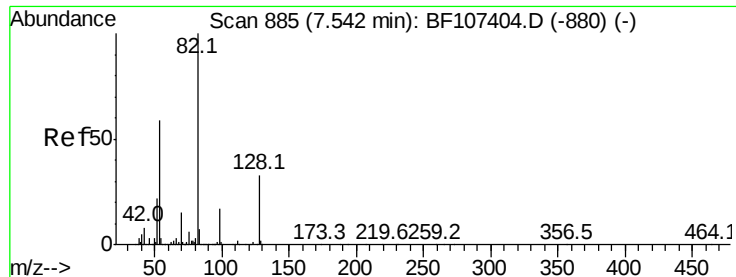
Delta R.T. 0.00 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		527393		
137	10.9	8.9	13.3		
54	7.6	6.6	9.8		
68	4.8	5.0	7.4		





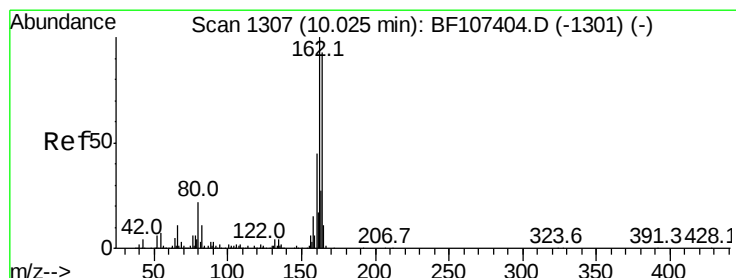
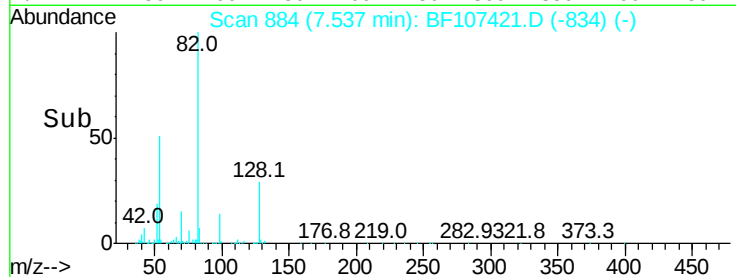
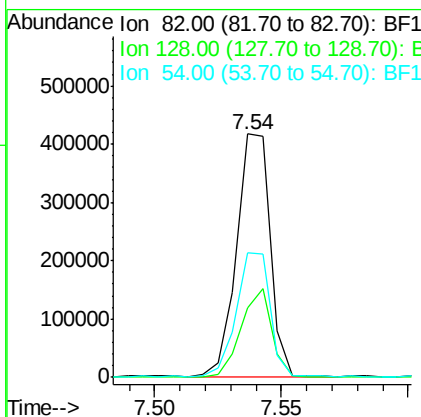
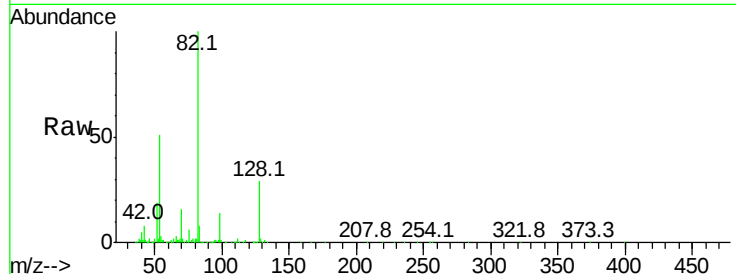
#23
Nitrobenzene-d5
Concen: 38.670 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	28.7	36.1	54.1#
54	51.1	41.4	62.2

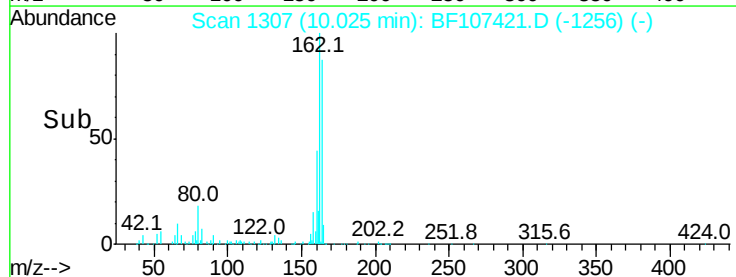
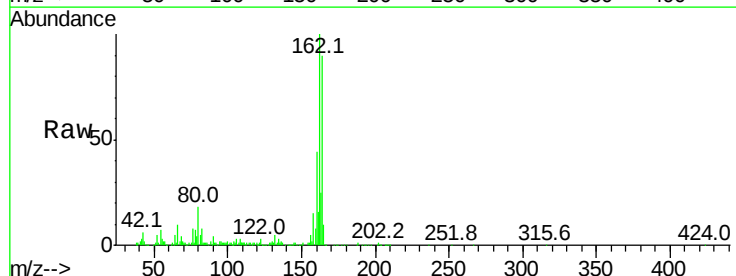
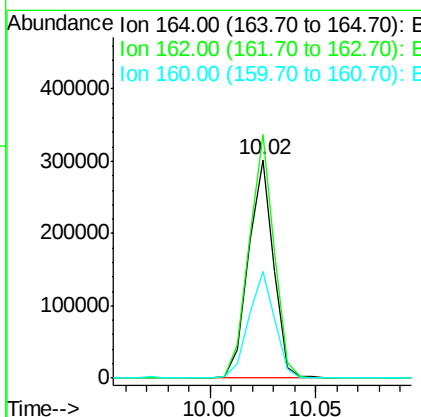
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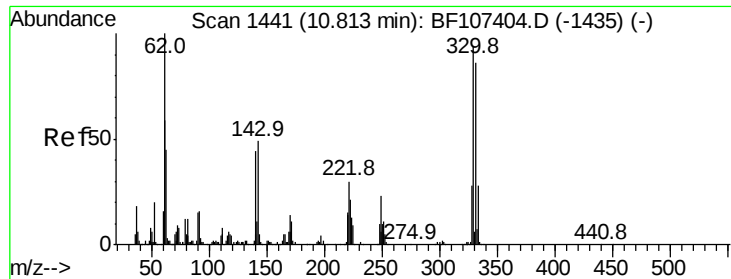
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.5	86.1	129.1
160	48.8	38.3	57.5





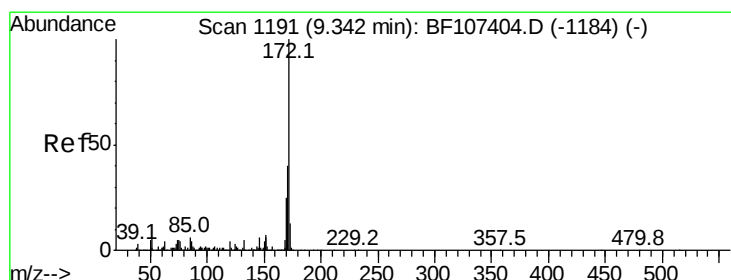
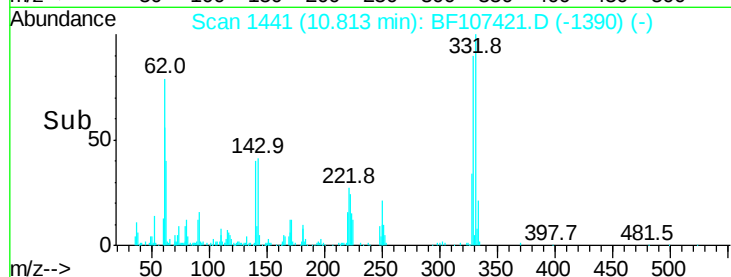
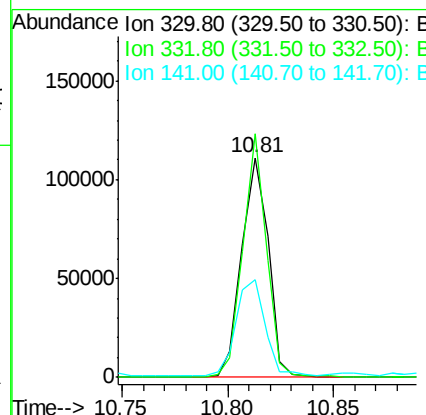
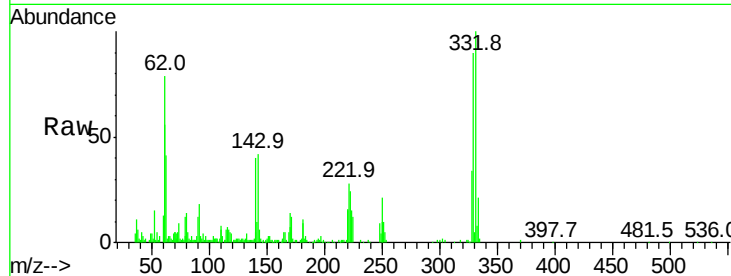
#41
2,4,6-Tribromophenol
Concen: 44.385 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	48.2	29.9	44.9

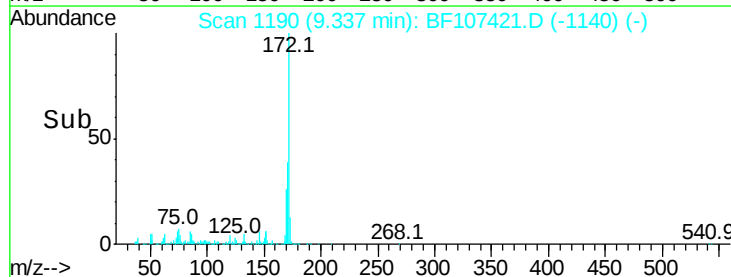
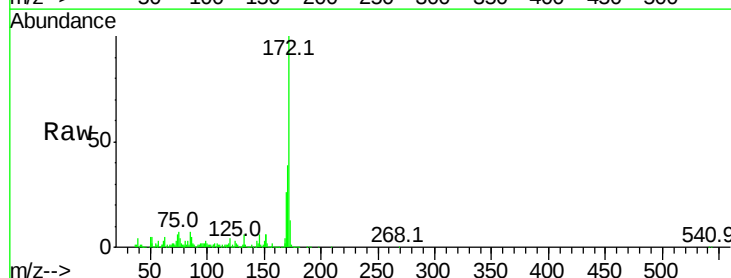
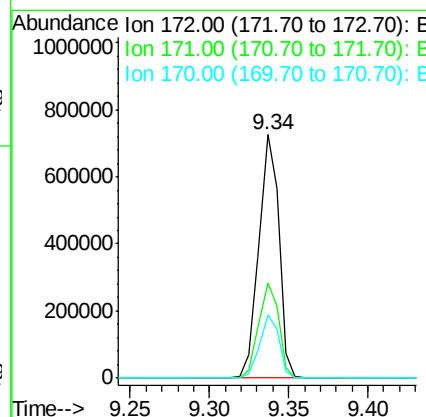
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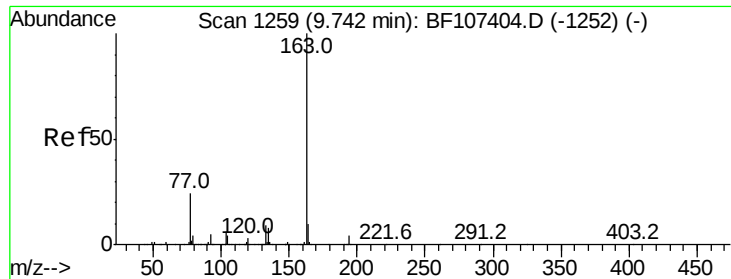
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#44
2-Fluorobiphenyl
Concen: 36.516 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	29.7	44.5
170	25.7	19.6	29.4





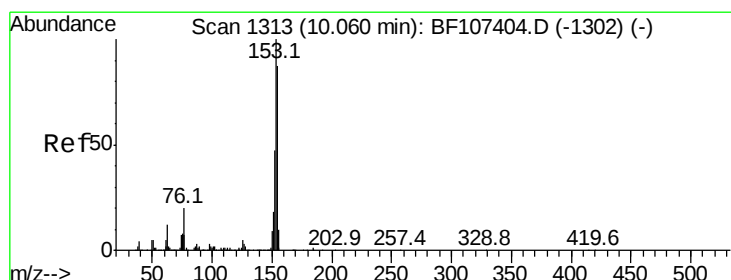
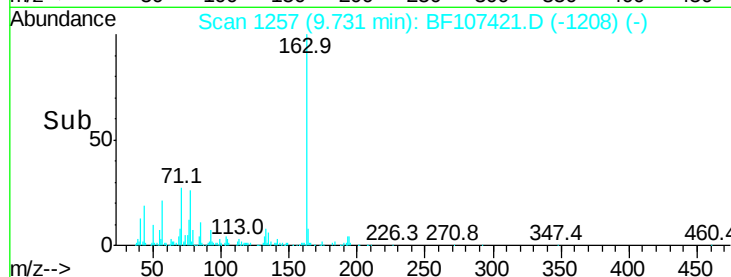
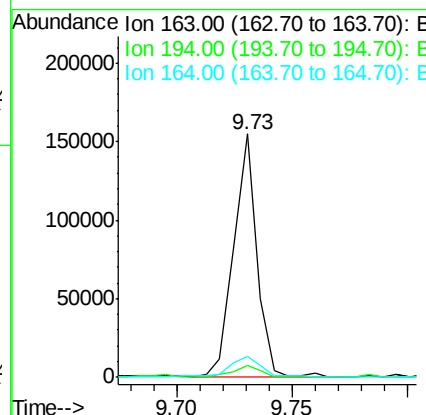
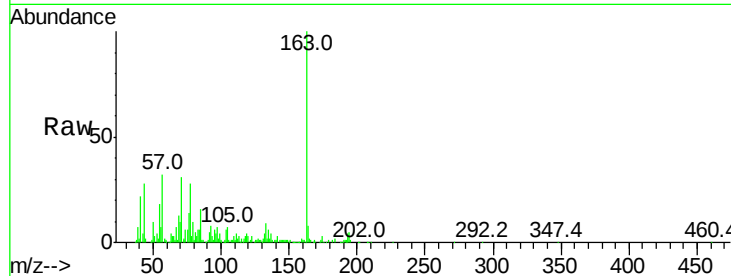
#49
Dimethylphthalate
Concen: 5.444 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.0	2.7	4.1#	
164	8.4	8.2	12.2	

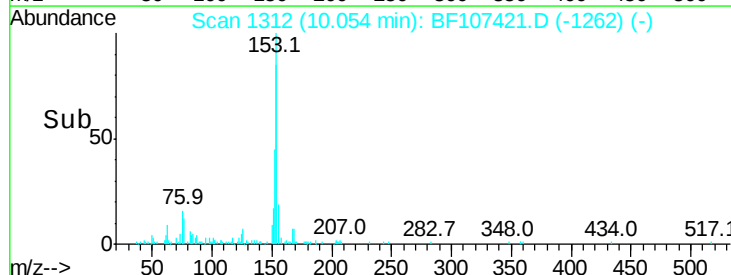
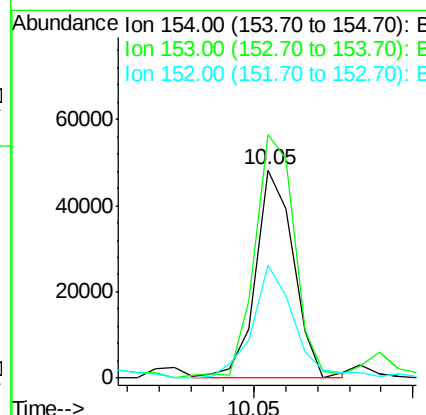
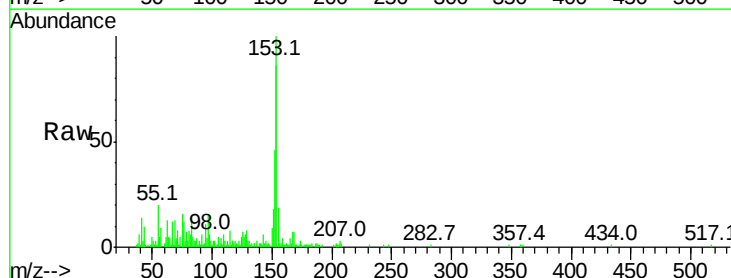
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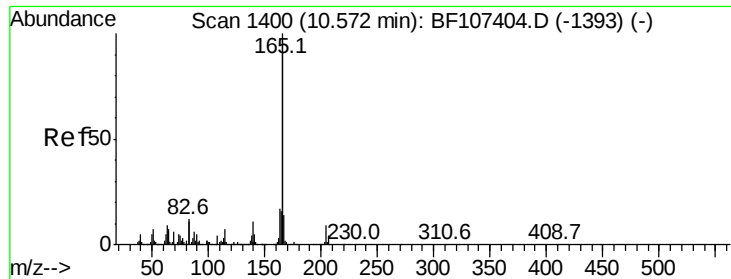
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#51
Acenaphthene
Concen: 2.562 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	117.0	91.2	136.8	
152	54.1	43.8	65.8	





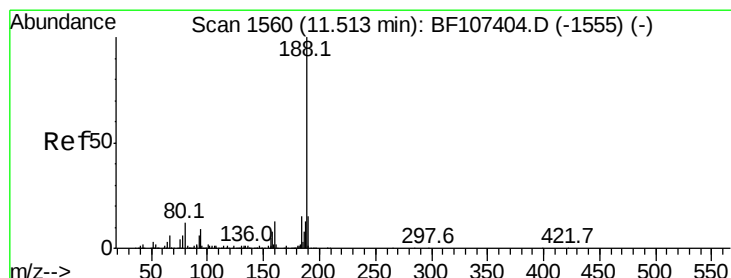
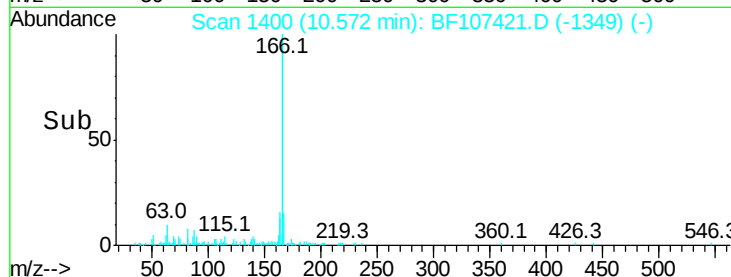
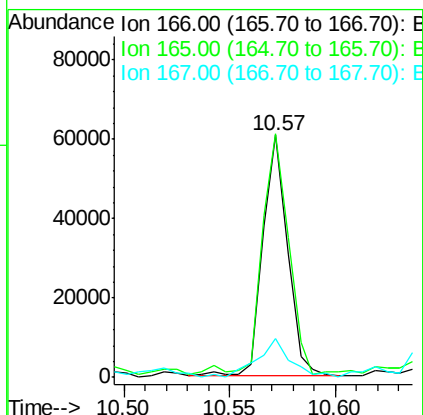
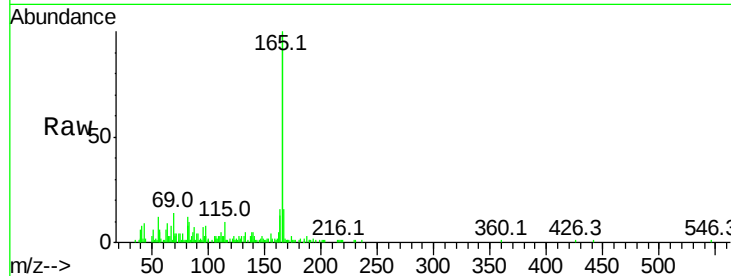
#57
Fluorene
 Concen: 3.096 ng
 RT: 10.57 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.8	119.8
167	15.9	10.6	16.0

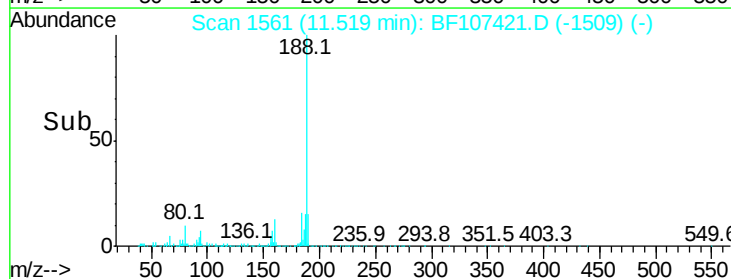
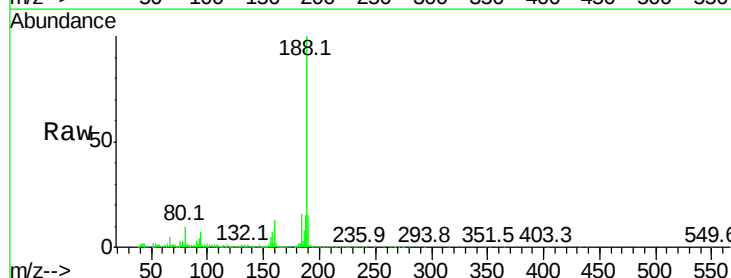
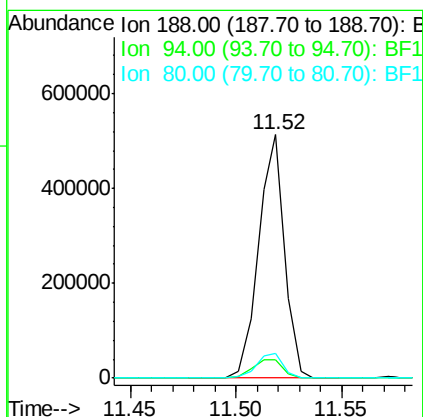
Manual Integrations
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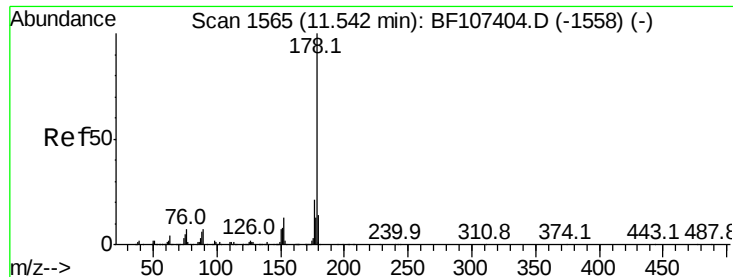
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	10.2	9.2	13.8





#70

Phenanthrene

Concen: 24.353 ng

RT: 11.54 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Instrument :

BNA_F

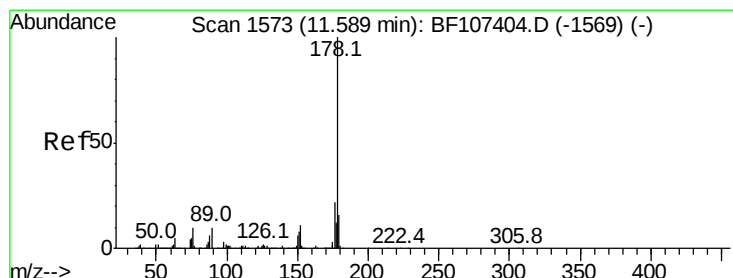
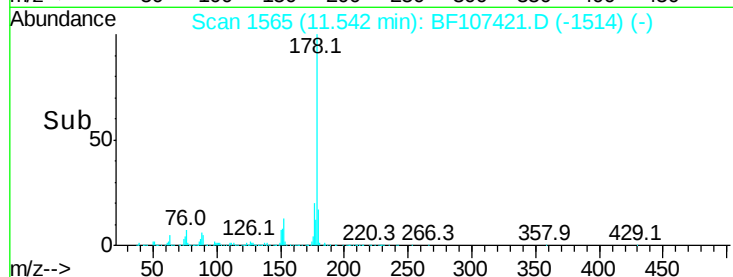
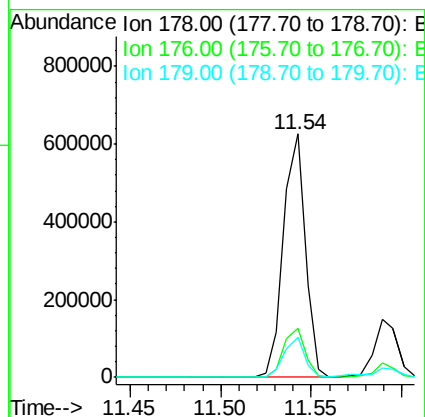
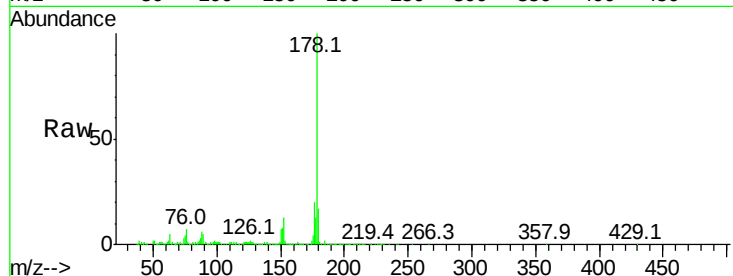
ClientSampleId :

HR-05-071218-B

Tot Ion:178	Resp:	530402
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.8 23.8
179	16.6	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 6.149 ng m

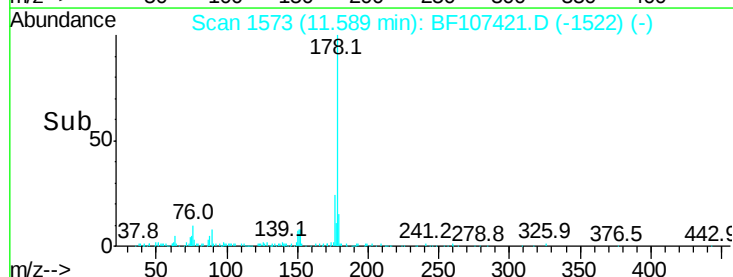
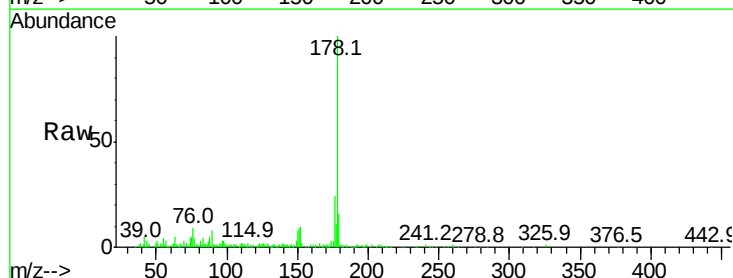
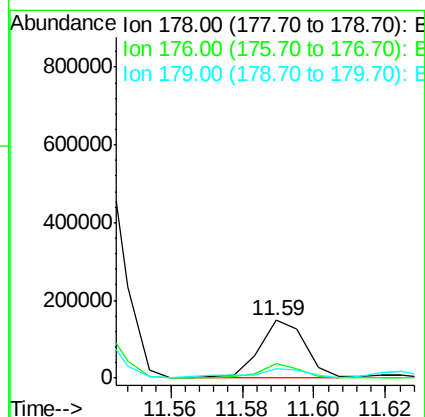
RT: 11.59 min Scan# 1573

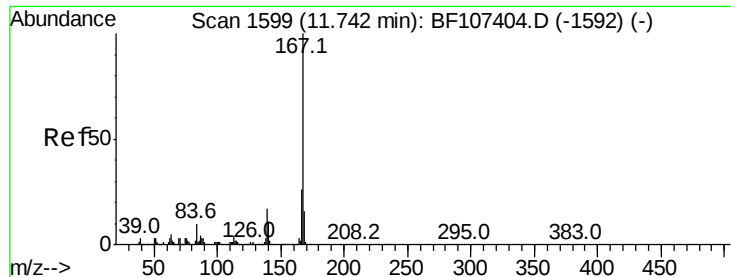
Delta R.T. 0.00 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Tgt Ion:178	Resp:	133400
Ion Ratio	Lower	Upper
178	100	
176	24.4	15.4 23.2#
179	16.0	12.6 19.0





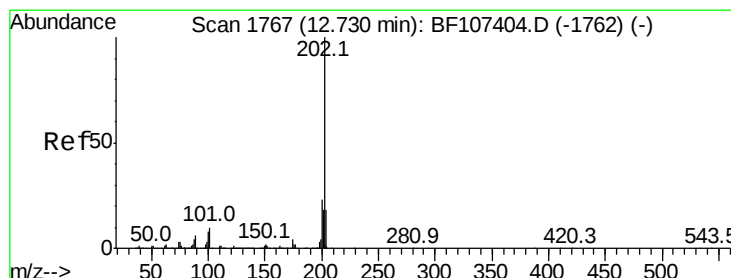
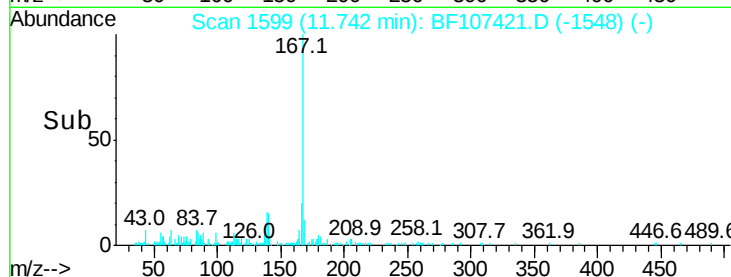
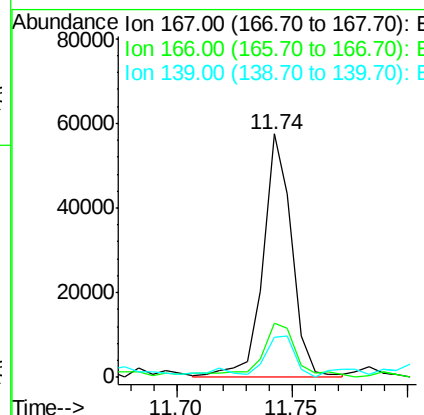
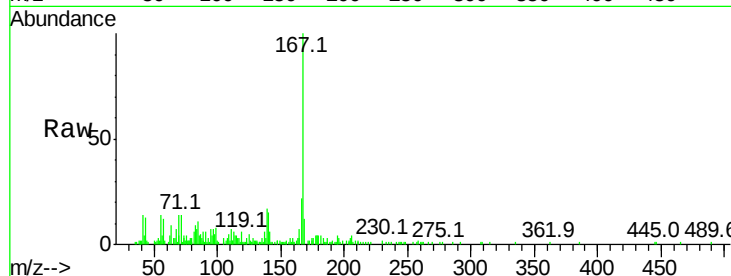
#72
 Carbazole
 Concen: 2.434 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	16.7	10.9	16.3

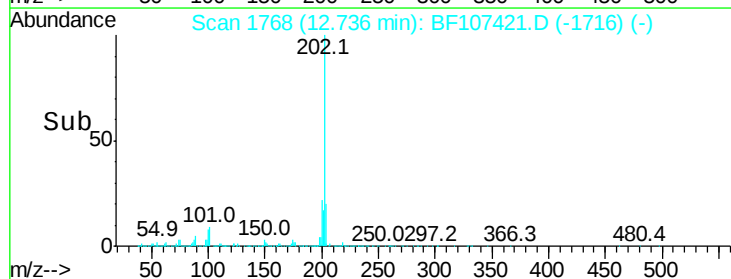
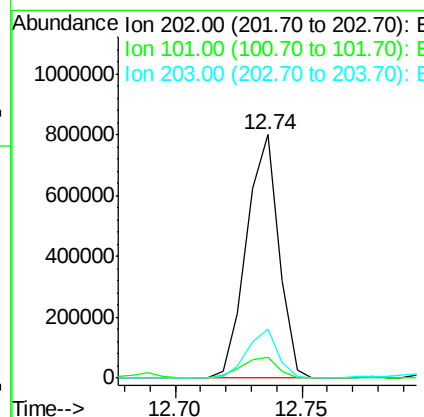
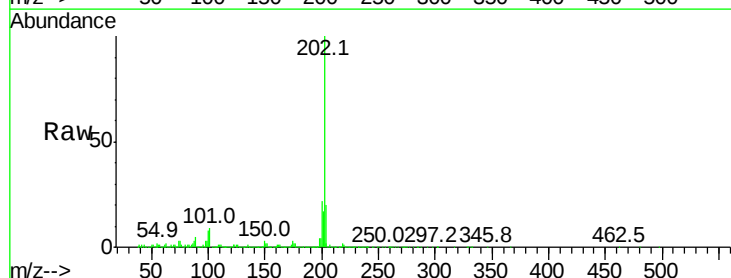
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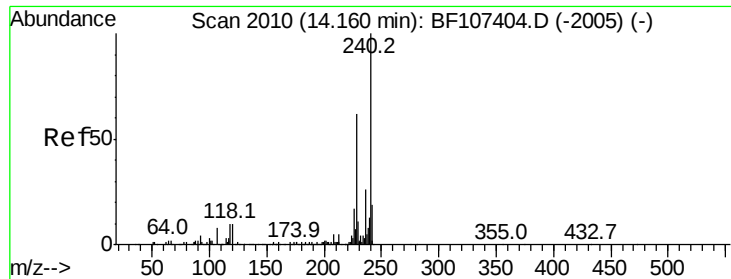
Sohil
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#74
 Fluoranthene
 Concen: 28.703 ng
 RT: 12.74 min Scan# 1768
 Delta R.T. 0.01 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.1
203	20.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Instrument :

BNA_F

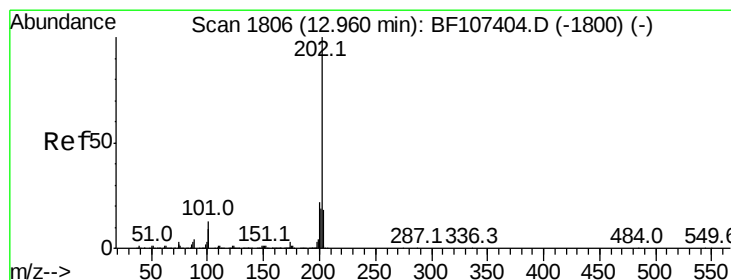
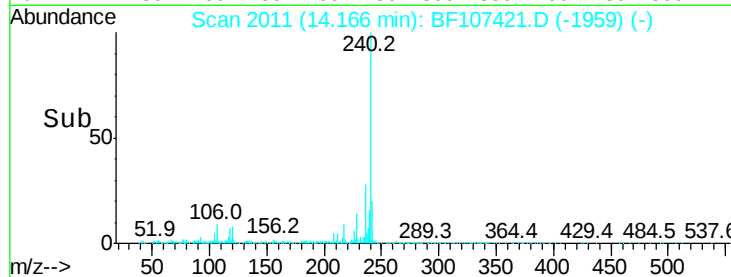
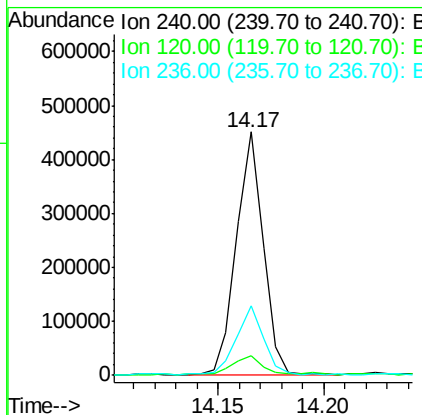
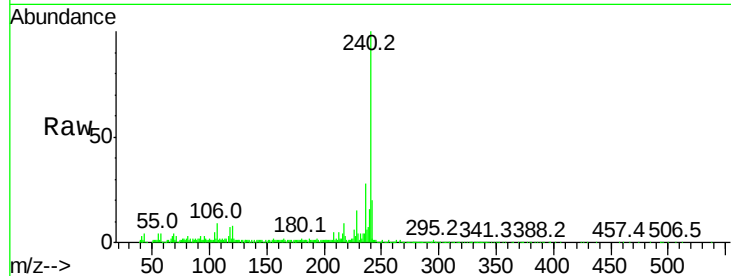
ClientSampleId :

HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	9.5	14.3#
236	28.4	20.7	31.1

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#77

Pyrene

Concen: 25.194 ng

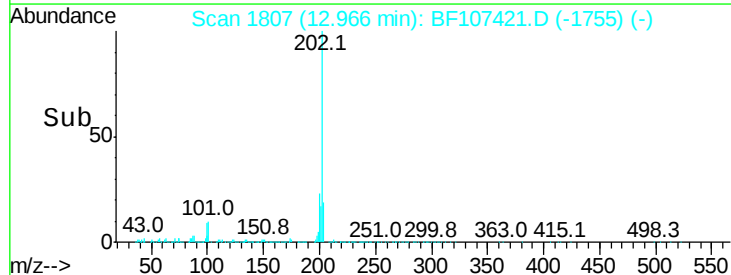
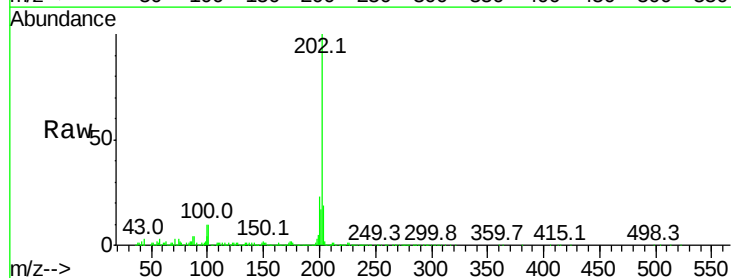
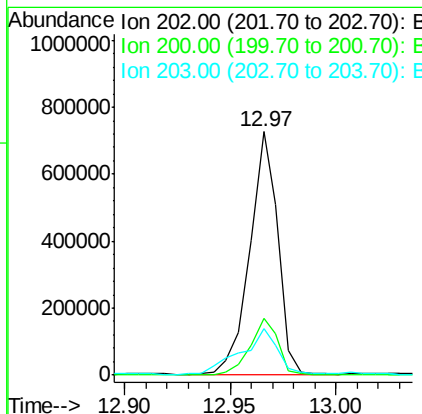
RT: 12.97 min Scan# 1807

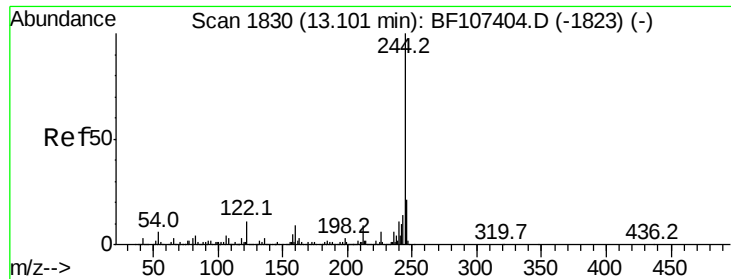
Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.4	26.2
203	19.0	14.3	21.5





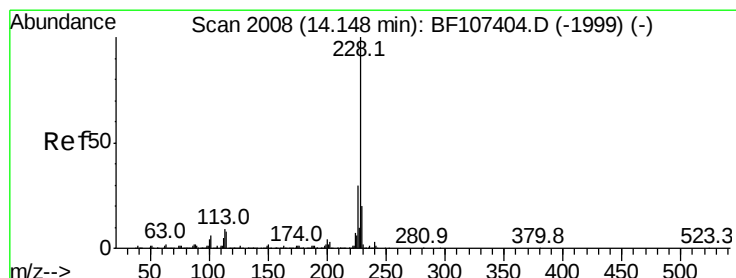
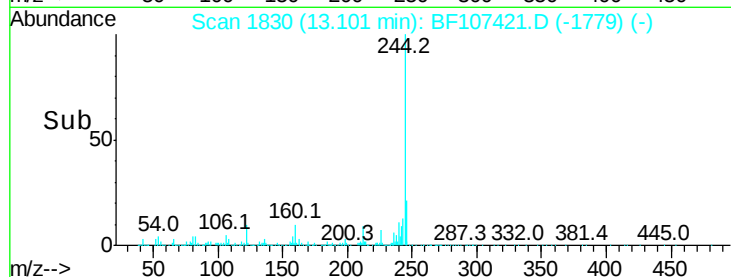
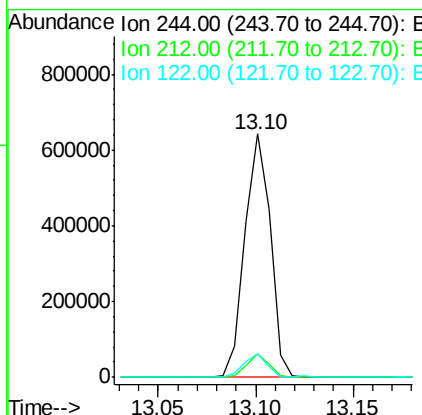
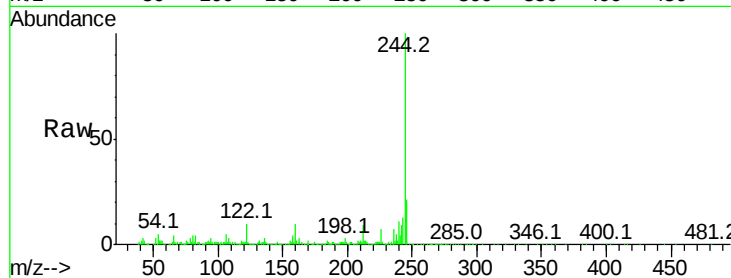
#78
 Terphenyl-d14
 Concen: 36.477 ng
 RT: 13.10 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.4	8.0#
122	9.7	11.0	16.4#

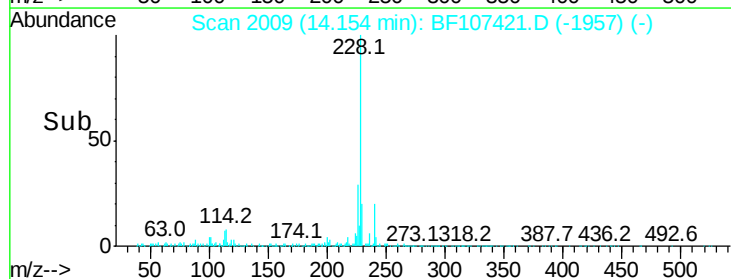
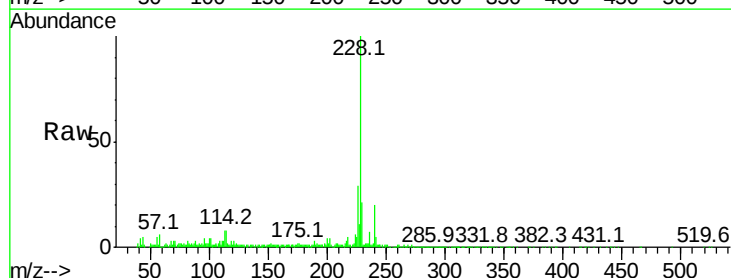
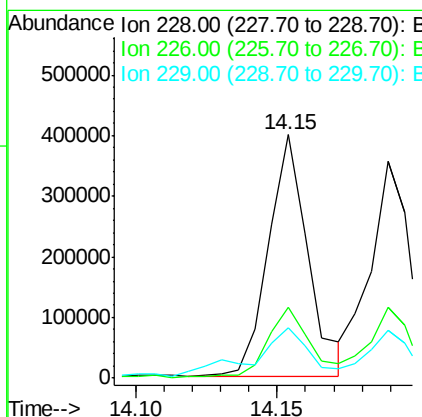
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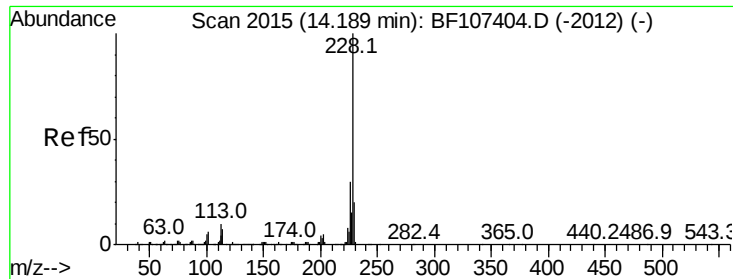
Sohil
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#80
 Benzo(a)anthracene
 Concen: 16.148 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: BF107421.D
 Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 14.841 ng

RT: 14.19 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Instrument :

BNA_F

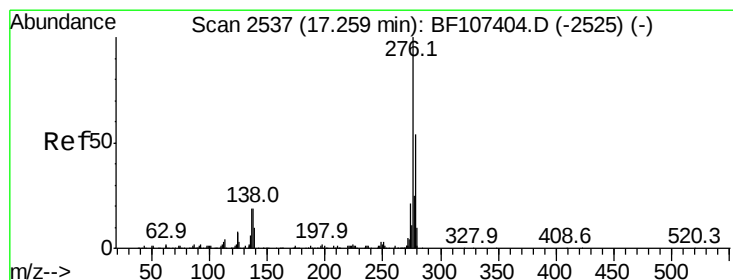
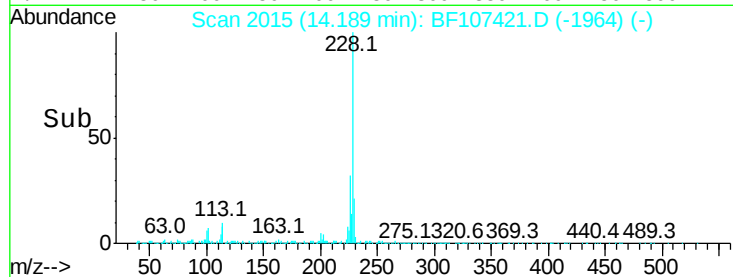
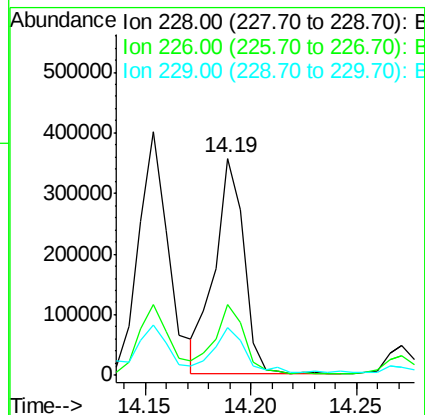
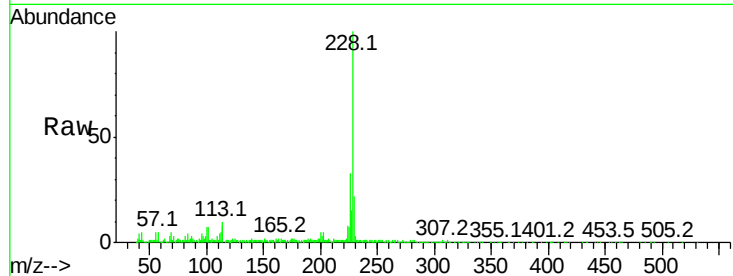
ClientSampleId :

HR-05-071218-B

Tot Ion:	228	Resp:	343686
Ion Ratio	Lower	Upper	
228	100		
226	32.7	25.0	37.6
229	22.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.814 ng

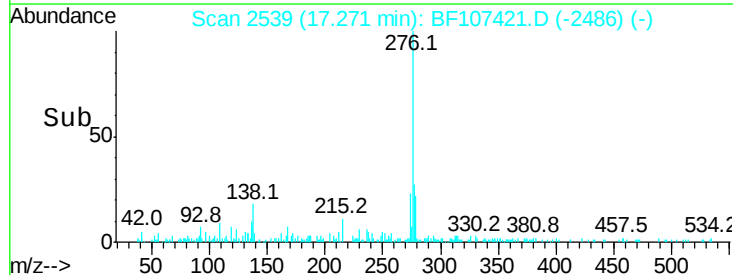
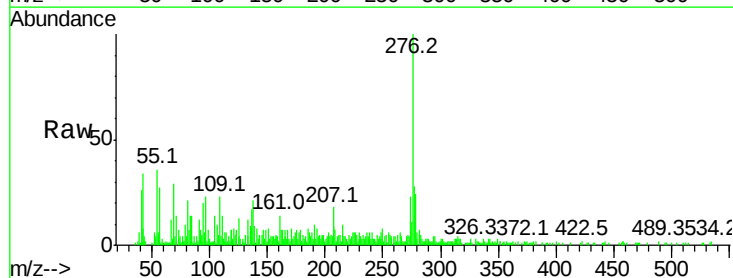
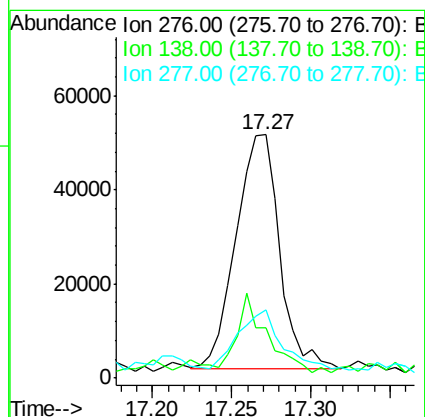
RT: 17.27 min Scan# 2539

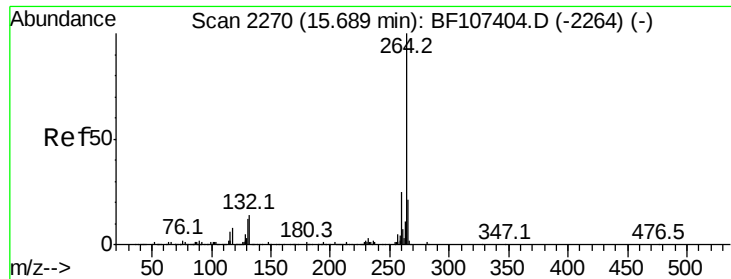
Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Tgt Ion:	276	Resp:	95842
Ion Ratio	Lower	Upper	
276	100		
138	23.1	25.0	37.6#
277	29.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Instrument :

BNA_F

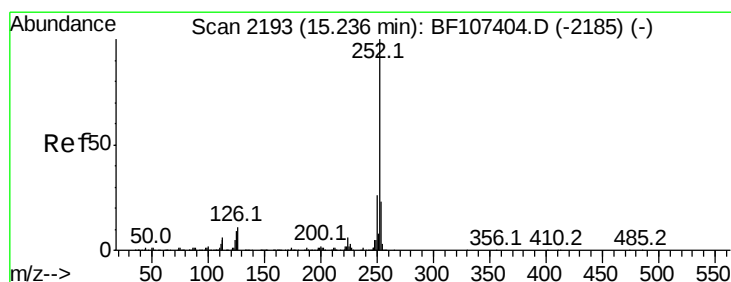
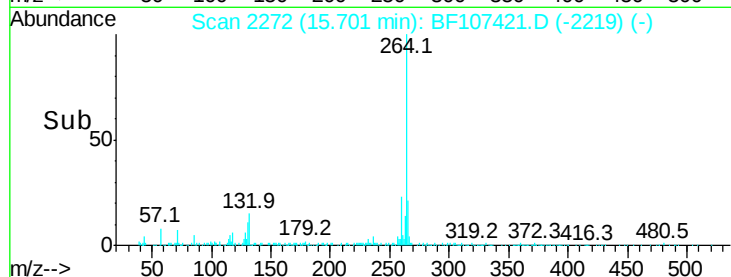
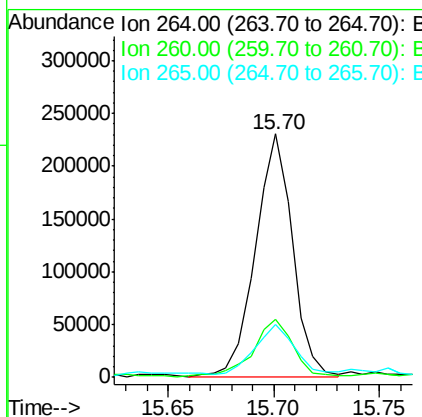
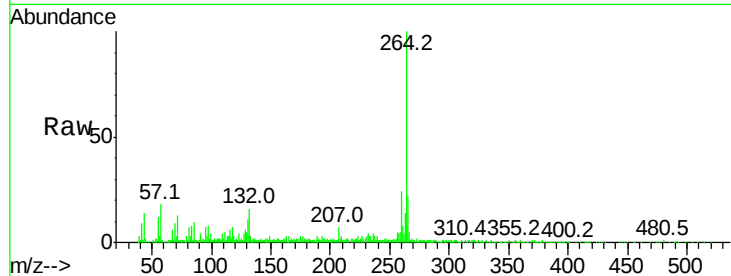
ClientSampleId :

HR-05-071218-B

Tot Ion:	264	Resp:	279908
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.0	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 19.938 ng m

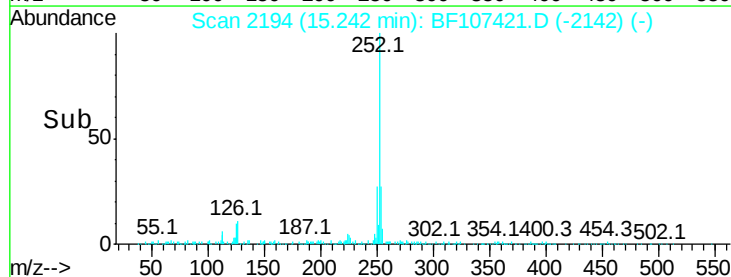
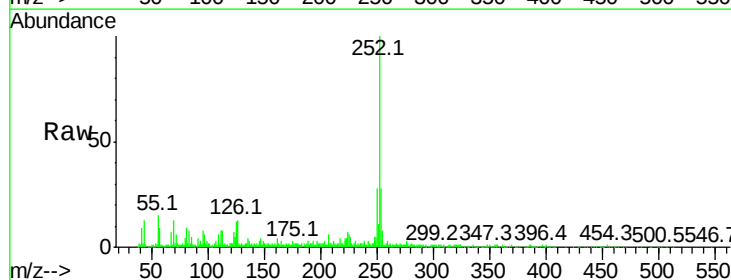
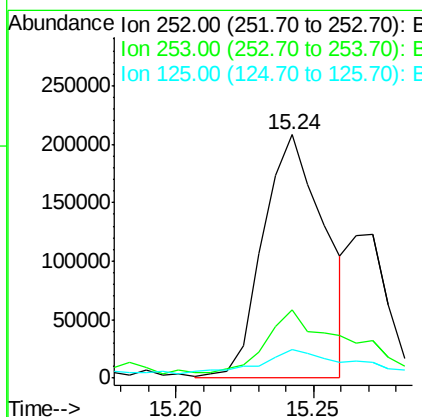
RT: 15.24 min Scan# 2194

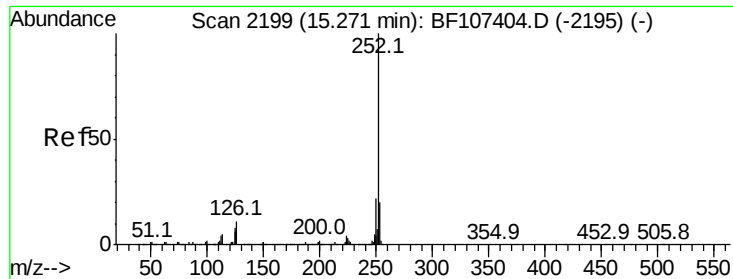
Delta R.T. 0.01 min

Lab File: BF107421.D

Acq: 16 Jul 2018 23:49

Tgt Ion:	252	Resp:	326653
Ion Ratio	Lower	Upper	
252	100		
253	28.2	17.0	25.6#
125	11.6	9.0	13.6





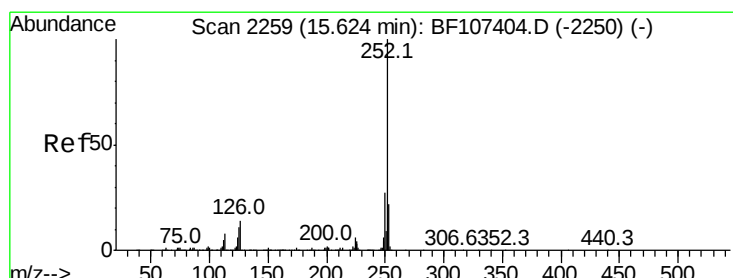
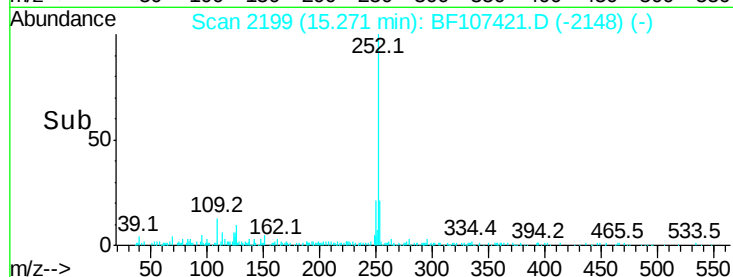
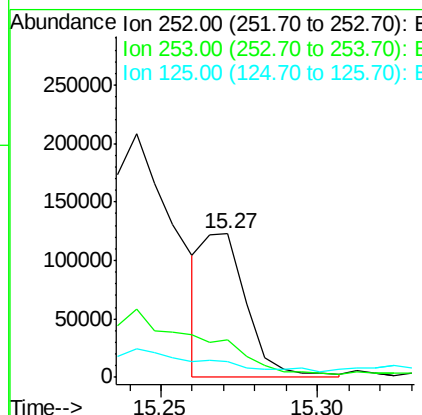
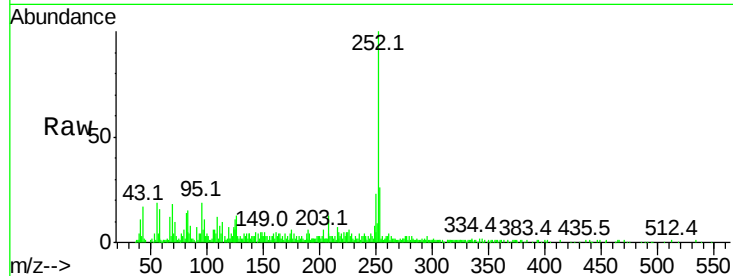
#88
Benzo(k)fluoranthene
Concen: 7.562 ng m
RT: 15.27 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	11.5	10.2	15.2

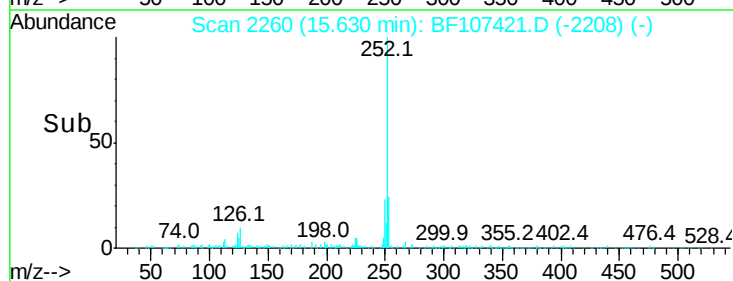
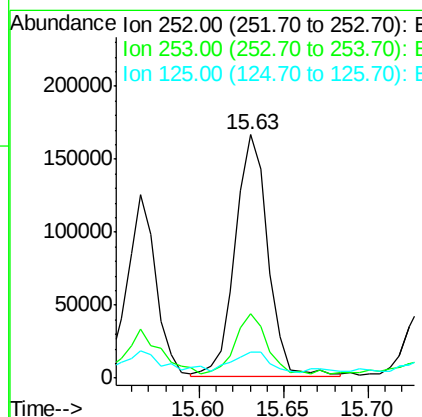
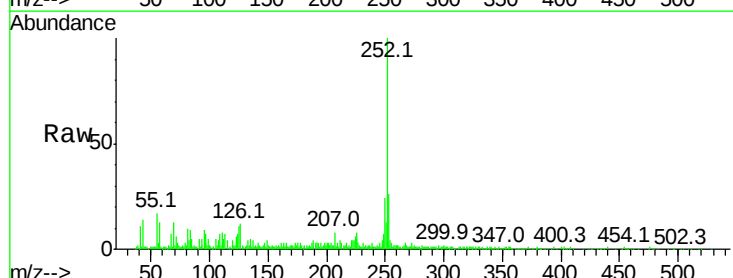
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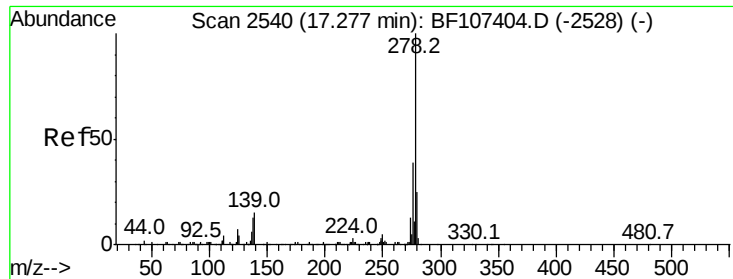
Sohil
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#89
Benzo(a)pyrene
Concen: 14.818 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.1	25.7#
125	10.9	9.8	14.6





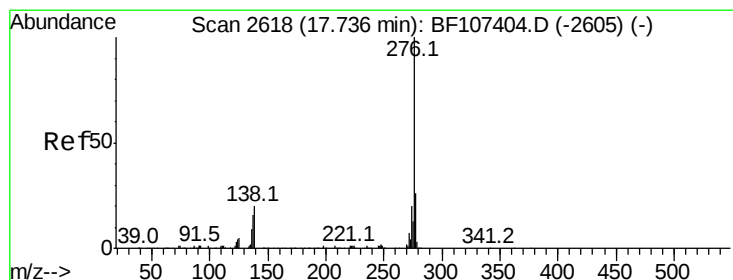
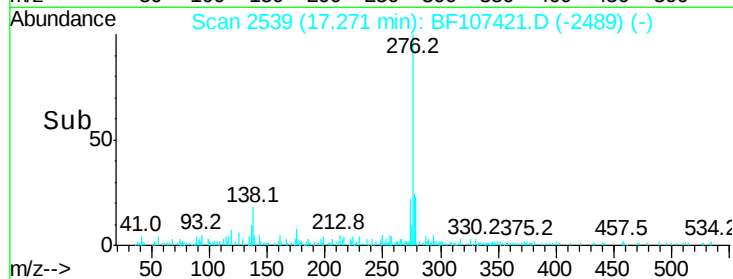
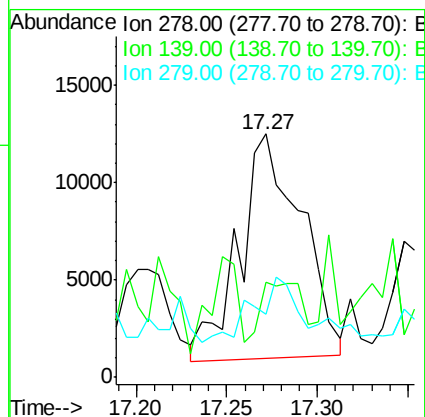
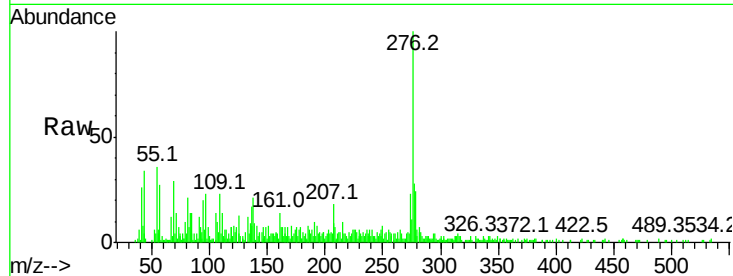
#90
Dibenzo(a,h)anthracene
Concen: 2.423 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HR-05-071218-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.8	15.9	23.9#
279	26.1	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.327 ng
RT: 17.74 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF107421.D
Acq: 16 Jul 2018 23:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	17.9	26.9#
138	24.1	21.8	32.8

