

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
 Data File : BF107913.D
 Acq On : 2 Aug 2018 17:01
 Operator : JU/SJ
 Sample : J4285-13 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-4

Manual Integrations
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Quant Time: Aug 02 18:00:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	110026	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	518220	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	181177	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	326364	20.00	ng	0.00
75) Chrysene-d12	14.15	240	342445	20.00	ng	0.00
86) Perylene-d12	15.68	264	355684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	36812m	5.69	ng	0.11
7) Phenol-d6	6.66	99	72682m	8.52	ng	0.05
23) Nitrobenzene-d5	7.57	82	49135m	5.46	ng	0.04
41) 2,4,6-Tribromophenol	10.80	330	13552	5.50	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	75139	5.78	ng	-0.01
78) Terphenyl-d14	13.07	244	81012	5.13	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.26	128	145103	6.024	ng	99
37) 2-Methylnaphthalene	8.95	142	30688	2.028	ng	97
48) Acenaphthylene	9.86	152	45578	2.364	ng	97
51) Acenaphthene	10.02	154	53528	4.780	ng	97
54) Dibenzofuran	10.21	168	50216	2.901	ng	99
57) Fluorene	10.55	166	59172	4.399	ng	99
70) Phenanthrene	11.52	178	869909	56.135	ng	99
71) Anthracene	11.57	178	266643	14.918	ng	97
72) Carbazole	11.74	167	136441	7.724	ng	98
74) Fluoranthene	12.71	202	1537359	84.444	ng	97
77) Pyrene	12.95	202	1433439	58.131	ng	98
80) Benzo(a)anthracene	14.14	228	977046	50.368	ng	98
82) Chrysene	14.18	228	908737	43.432	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	334069	20.991	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	1040283m	59.301	ng	
88) Benzo(k)fluoranthene	15.25	252	415298m	19.283	ng	
89) Benzo(a)pyrene	15.62	252	680134	37.556	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	71371m	4.518	ng	
91) Benzo(a,h,i)perylene	17.75	276	314695	20.588	ng	# 93

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

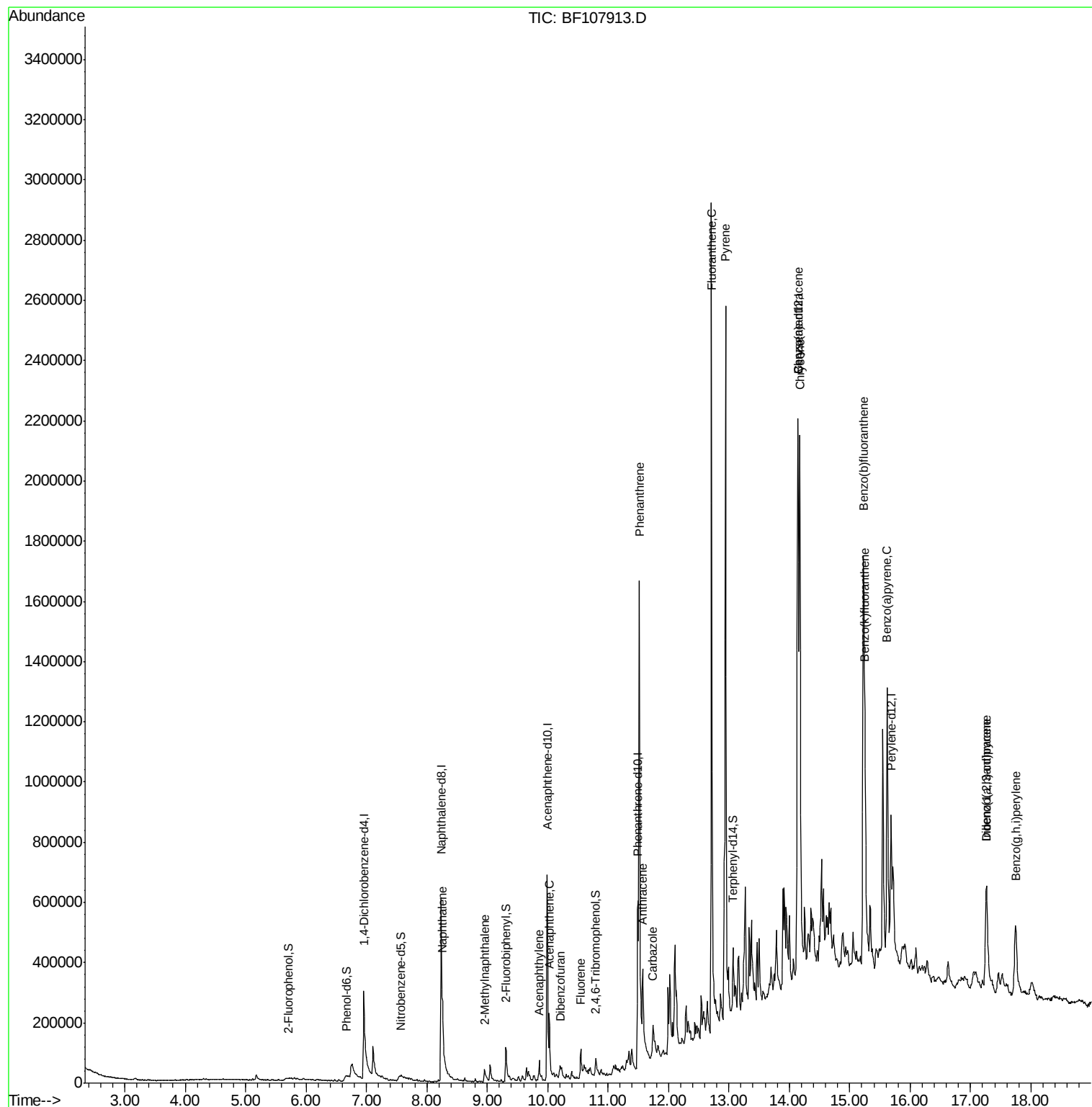
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

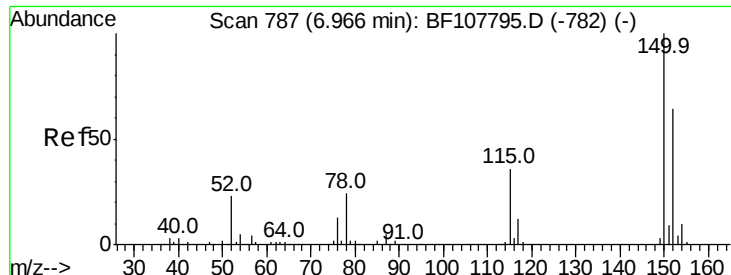
Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

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QLast Update : Mon Jul 30 17:48:53 2018
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#1

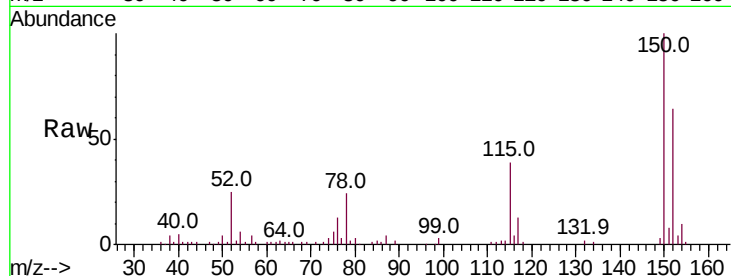
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	60.1	50.1	75.1

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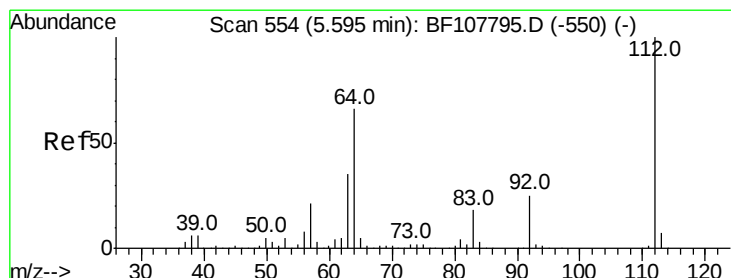
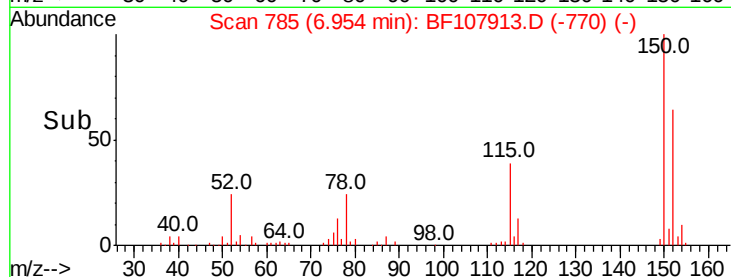
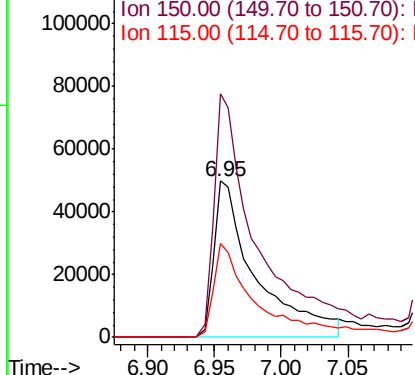


Abundance

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: 5.686 ng m
RT: 5.71 min Scan# 573
Delta R.T. 0.11 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

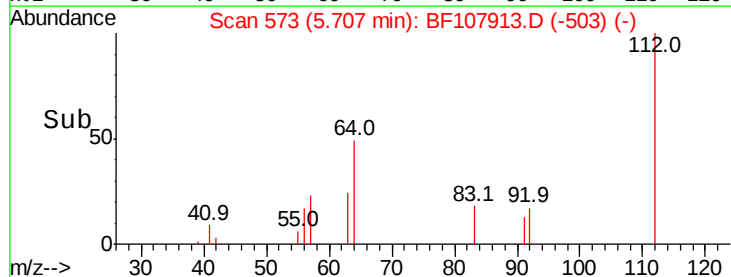
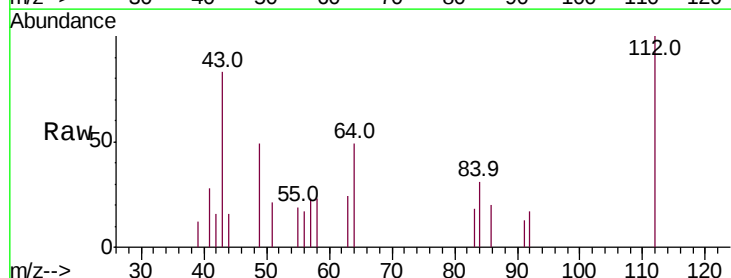
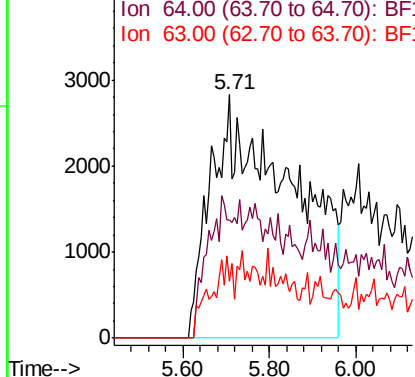
Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	47.9	71.9
63	23.5	23.7	35.5

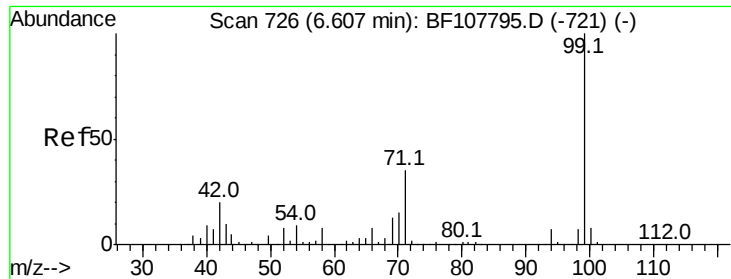
Abundance

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

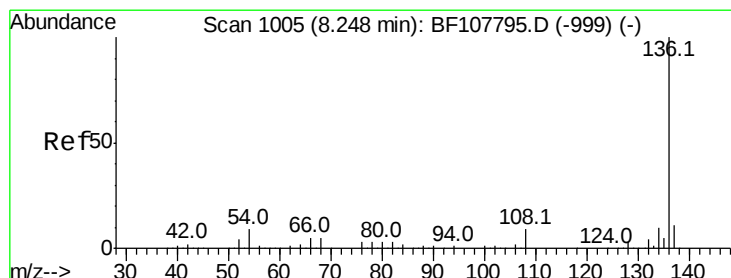
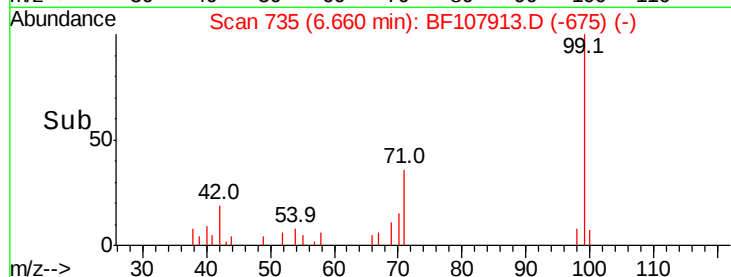
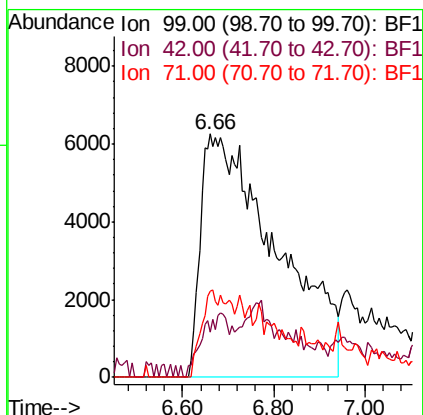
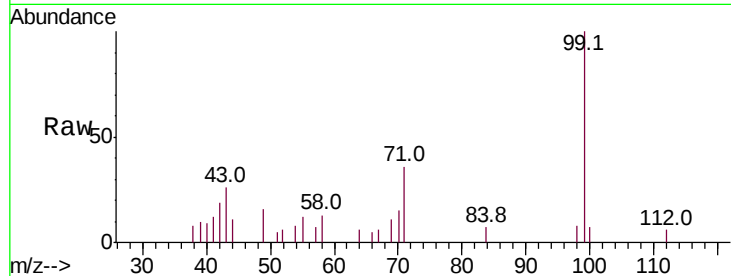
Concen: 8.519 ng/mL
 RT: 6.66 min Scan# 735
 Delta R.T. 0.05 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Instrument :
 BNA_F
 ClientSampled :
 KG-PIT-4

Tot Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.5	21.7
71	35.6	25.4	38.0

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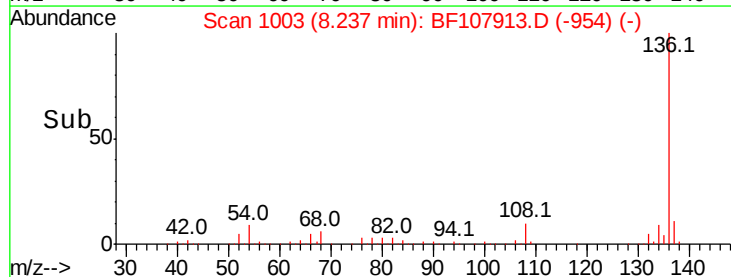
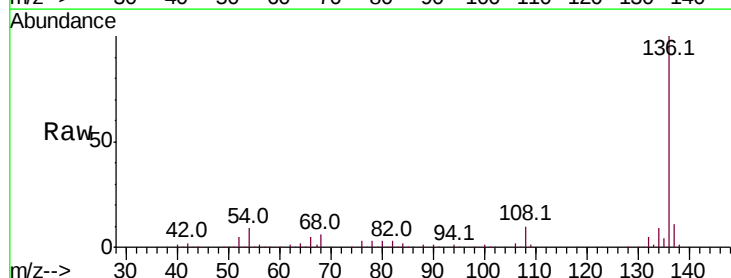
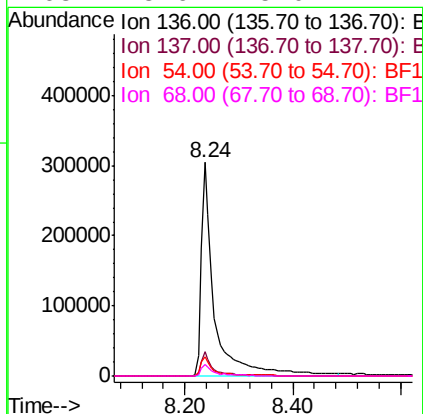


#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.24 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.0	6.6	9.8
68	5.6	5.0	7.4





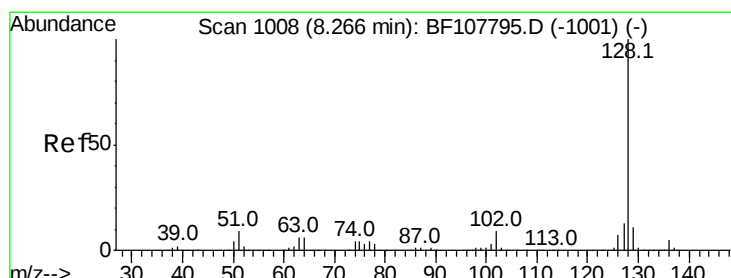
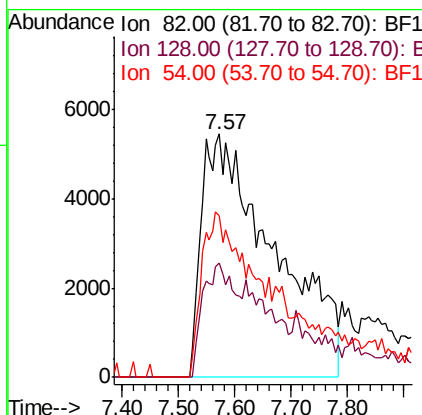
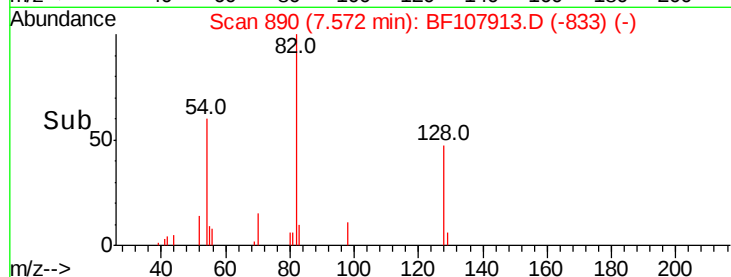
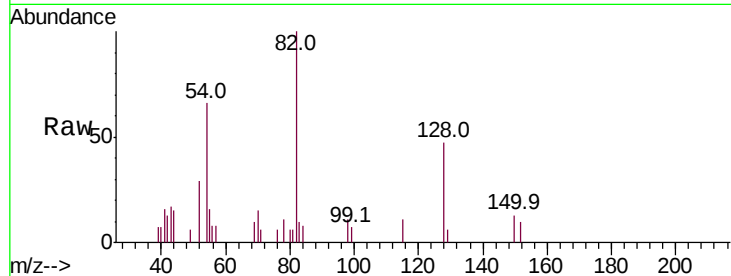
#23
Nitrobenzene-d5
Concen: 5.462 ng/ml
RT: 7.57 min Scan# 890
Delta R.T. 0.04 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	66.3	41.4	62.2

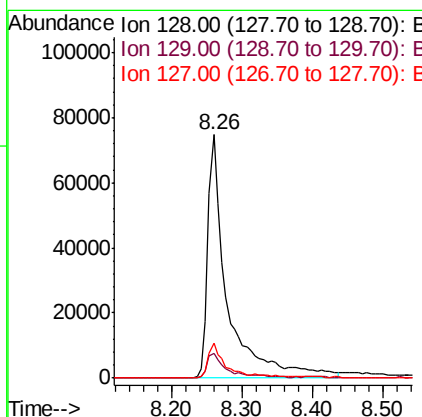
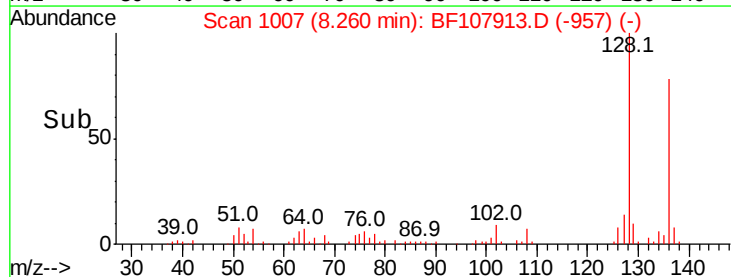
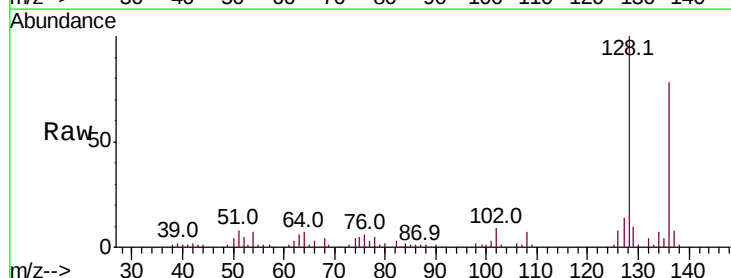
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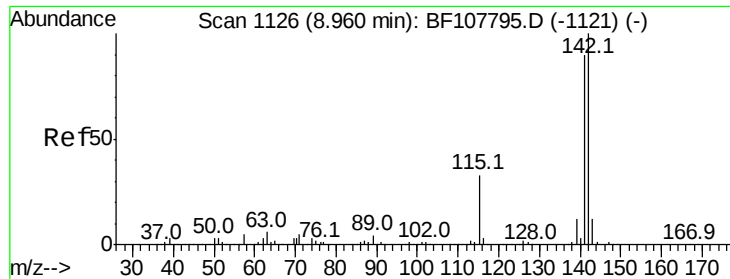
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#31
Naphthalene
Concen: 6.024 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.2	10.9	16.3





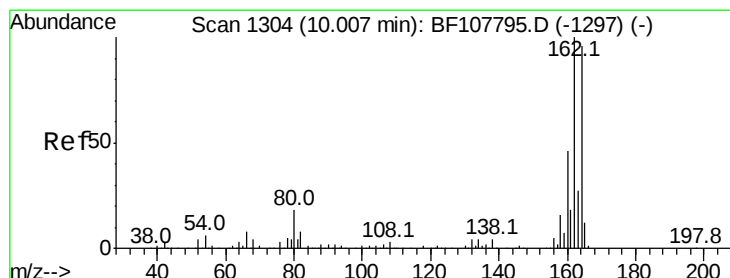
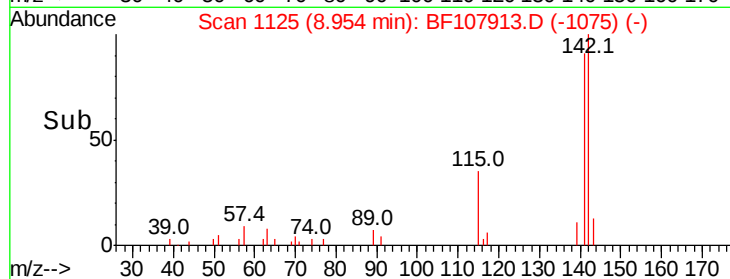
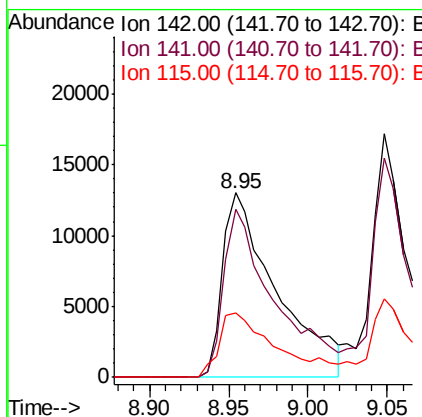
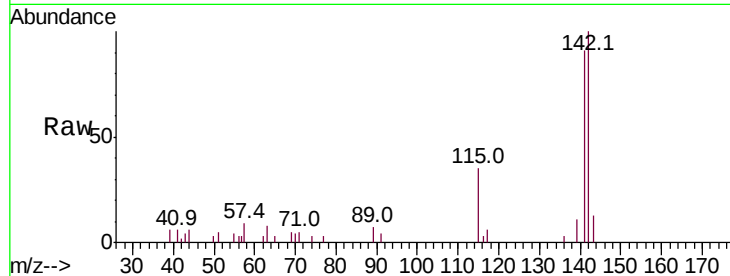
#37
2-Methylnaphthalene
Concen: 2.028 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion:	142	Resp:	30688
Ion Ratio	Lower	Upper	
142	100		
141	90.9	70.8	106.2
115	34.7	26.1	39.1

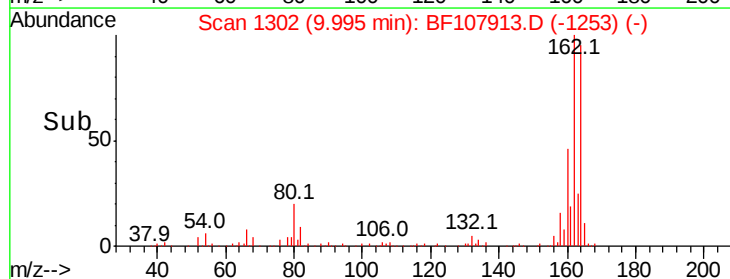
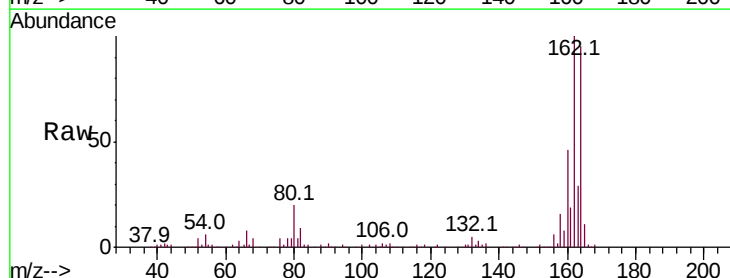
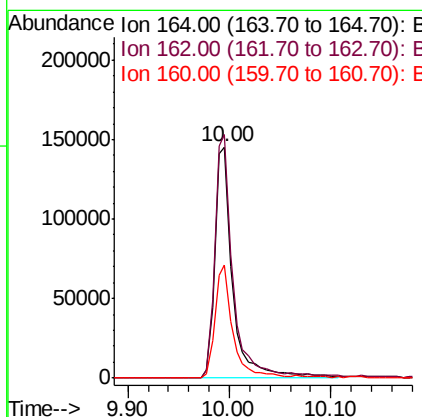
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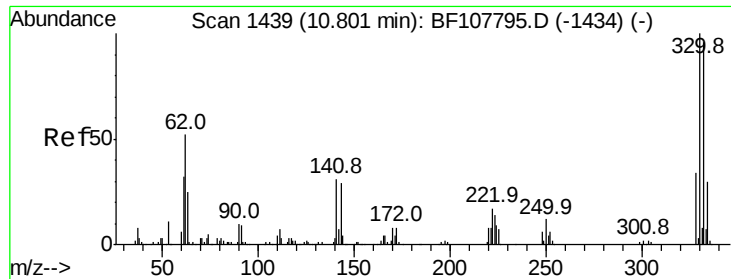
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion:	164	Resp:	181177
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	48.9	38.3	57.5





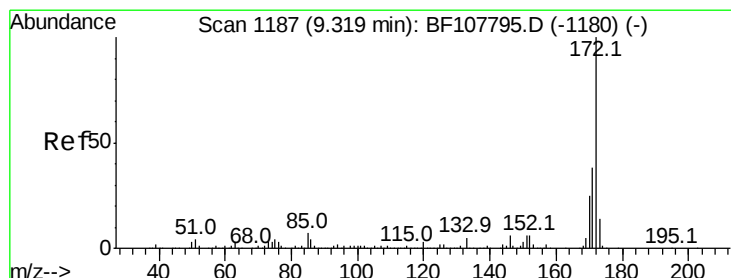
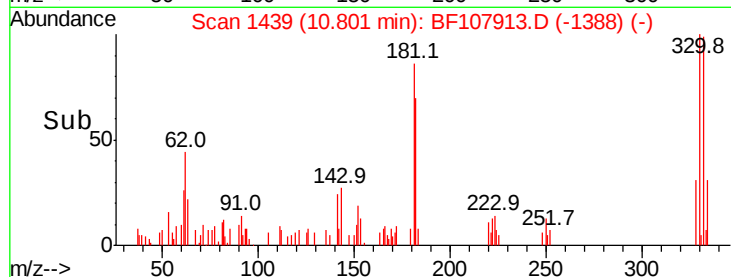
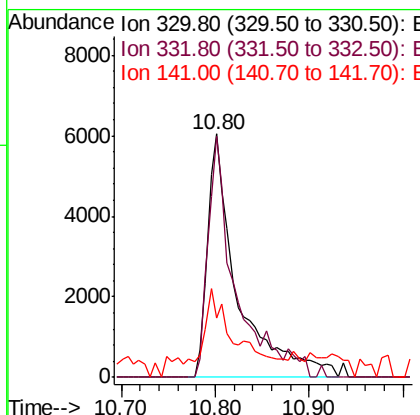
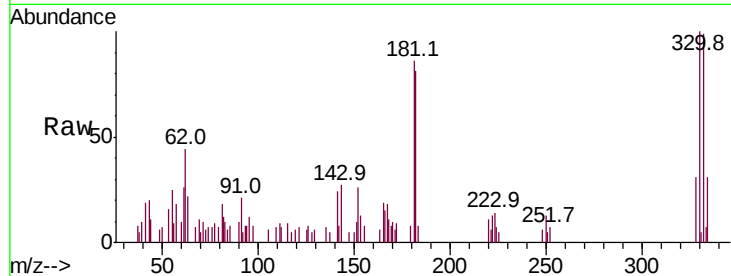
#41
 2,4,6-Tribromophenol
 Concen: 5.505 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	85.4	77.0	115.6	
141	17.8	29.9	44.9	

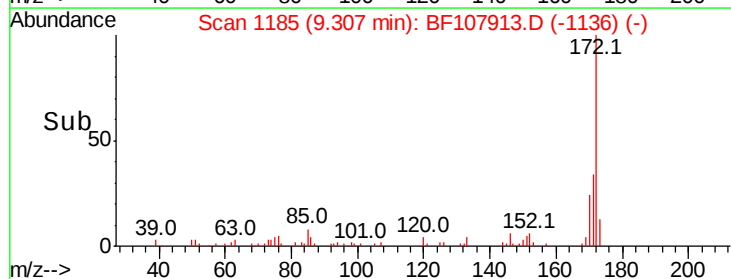
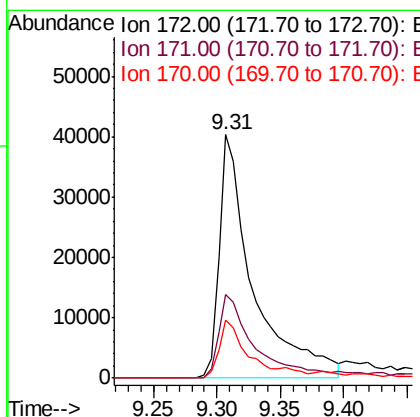
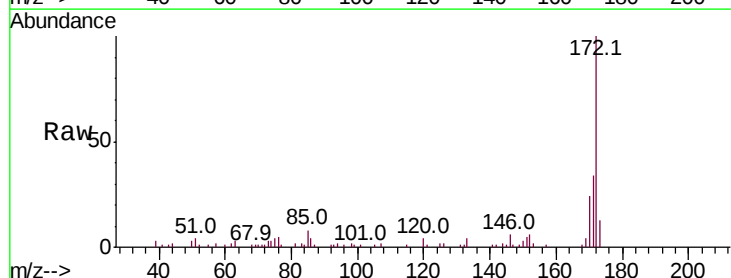
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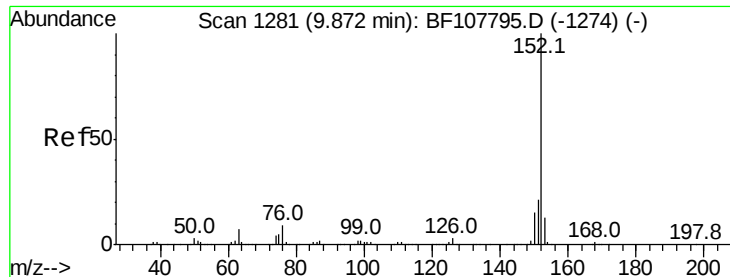
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#44
 2-Fluorobiphenyl
 Concen: 5.779 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	29.7	44.5	
170	24.0	19.6	29.4	





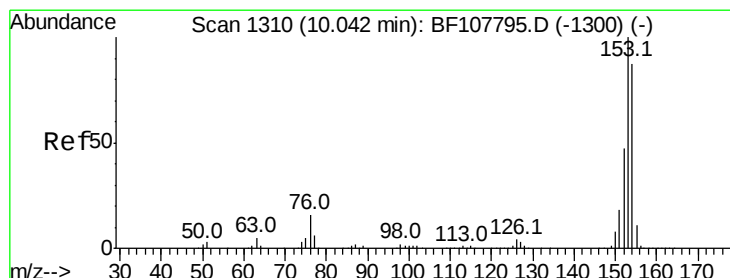
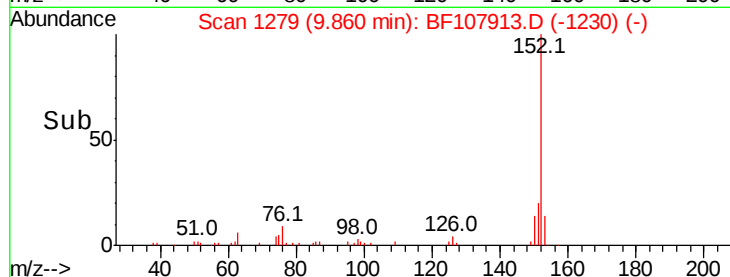
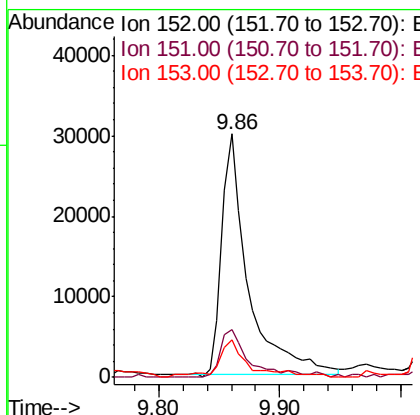
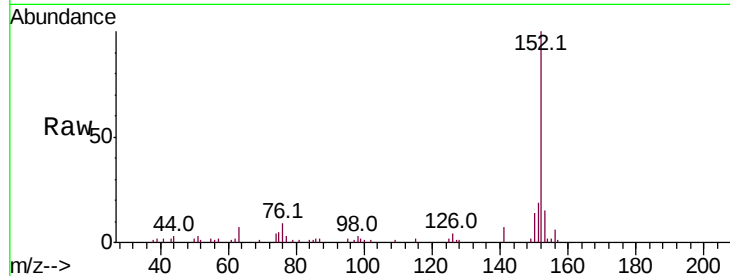
#48
Acenaphthylene
Concen: 2.364 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	152	Resp:	45578
Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	15.3	10.7	16.1

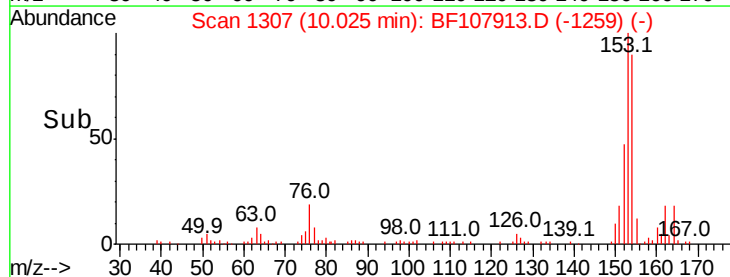
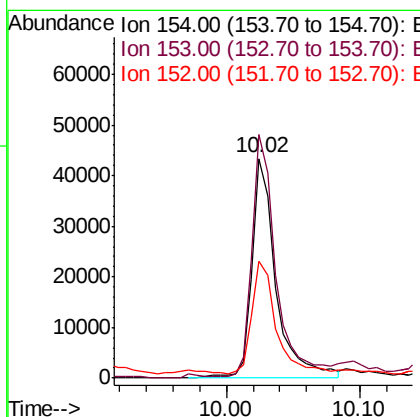
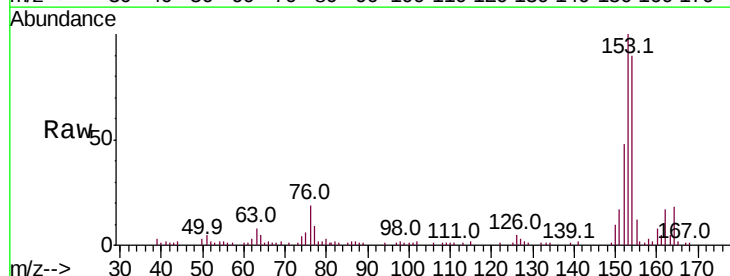
Manual Integrations
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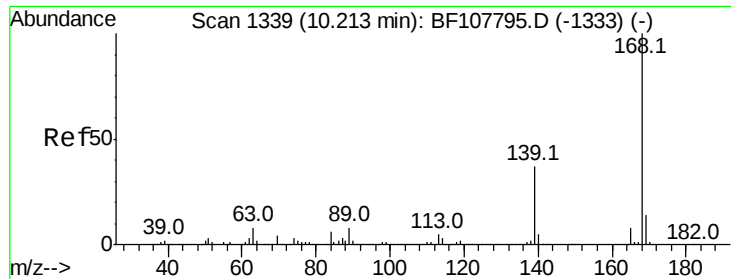
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#51
Acenaphthene
Concen: 4.780 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	154	Resp:	53528
Ion	Ratio	Lower	Upper
154	100		
153	110.8	91.2	136.8
152	53.0	43.8	65.8





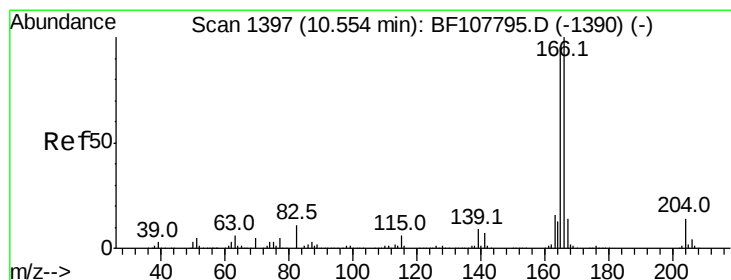
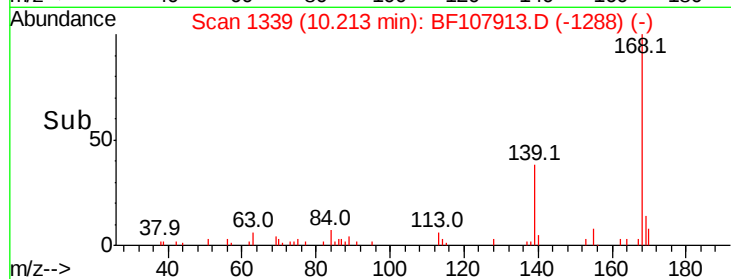
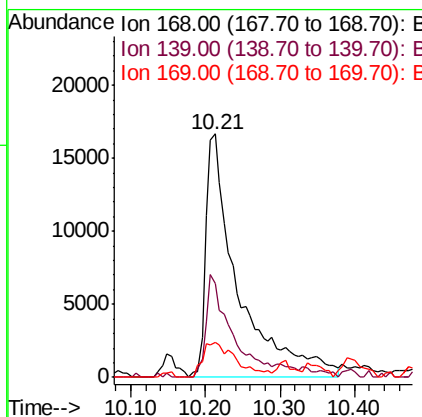
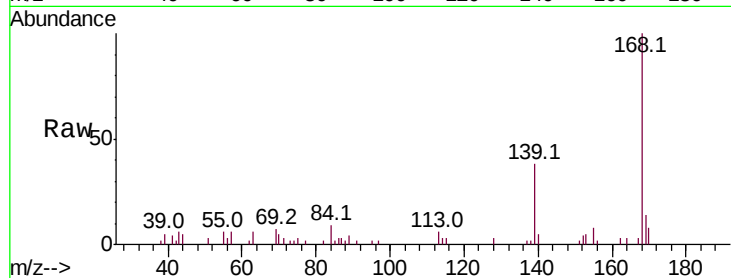
#54
Dibenzofuran
Concen: 2.901 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampled :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.1	45.1
169	14.4	10.9	16.3

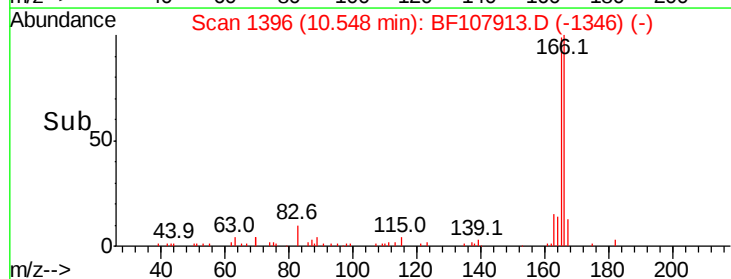
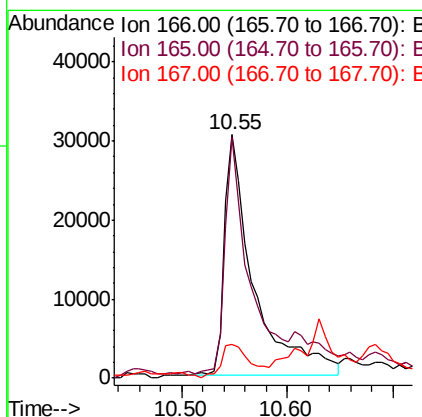
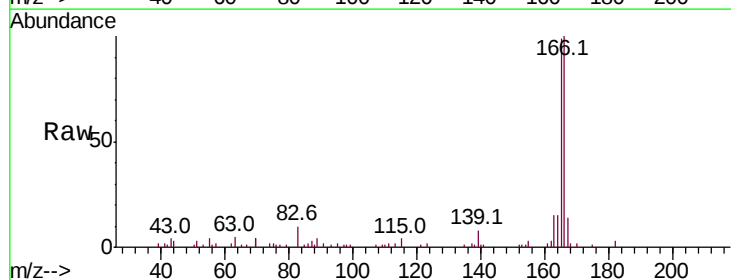
Manual Integrations
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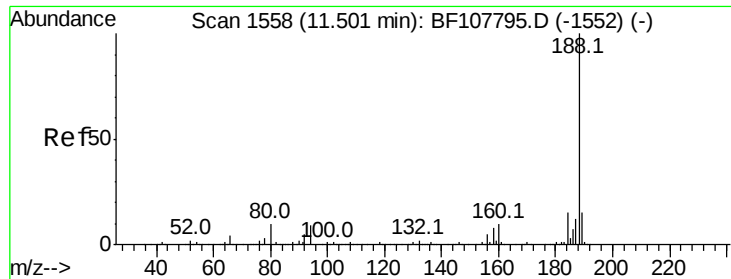
Sohil
8/3/2018 12:53:16 PM



#57
Fluorene
Concen: 4.399 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.8	119.8
167	13.9	10.6	16.0





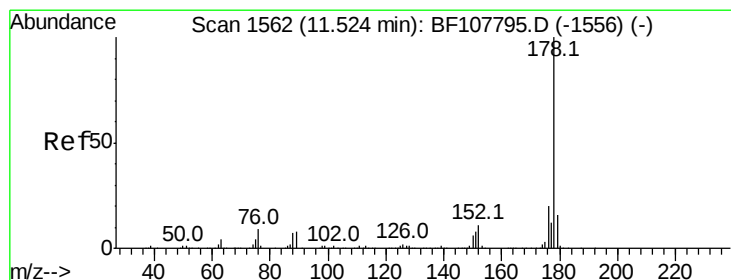
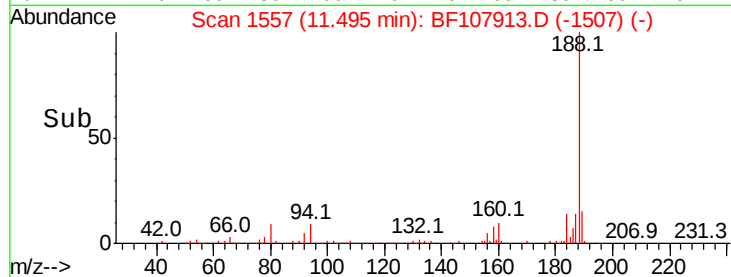
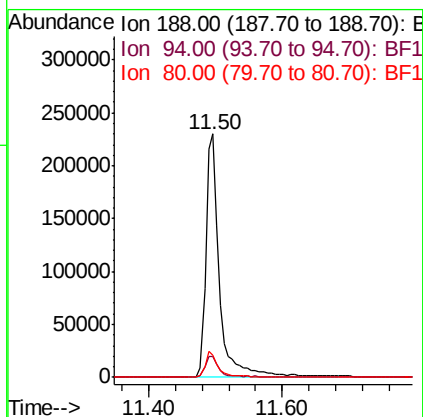
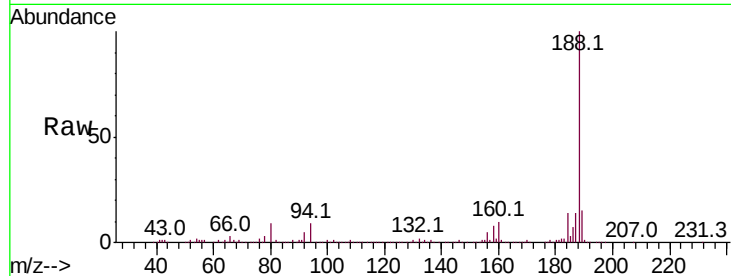
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	326364		
94	8.7		8.5	12.7
80	9.1		9.2	13.8#

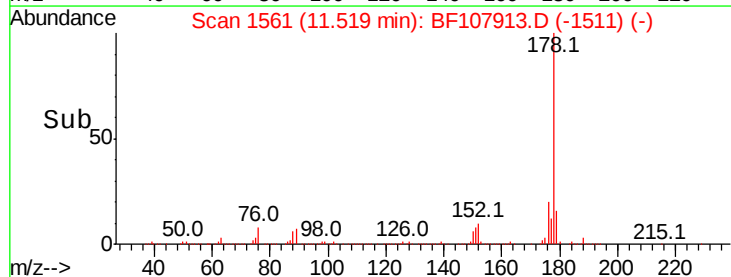
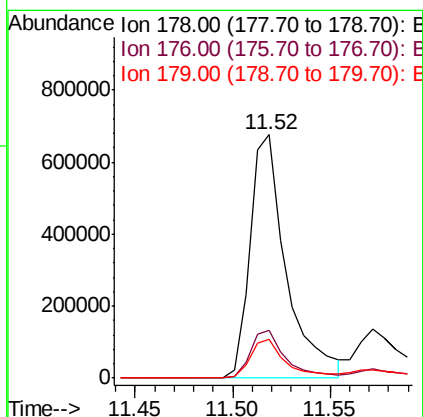
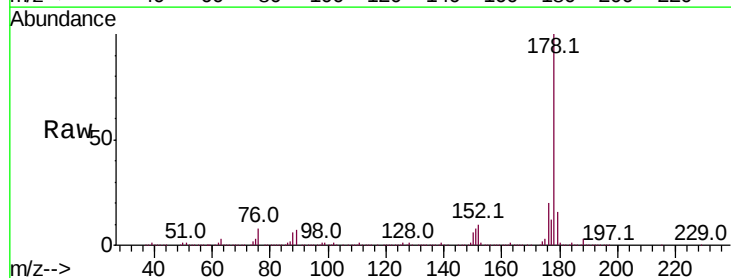
Manual Integrations
 APPROVED

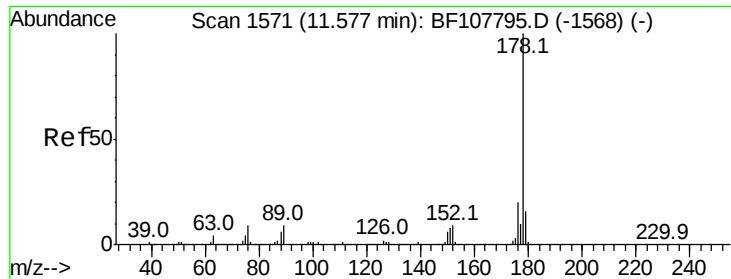
Sohil
 8/3/2018 12:53:16 PM



#70
 Phenanthrene
 Concen: 56.135 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	869909		
176	19.8		15.8	23.8
179	15.7		13.0	19.6





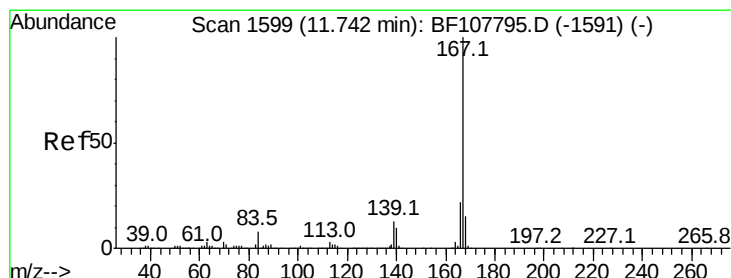
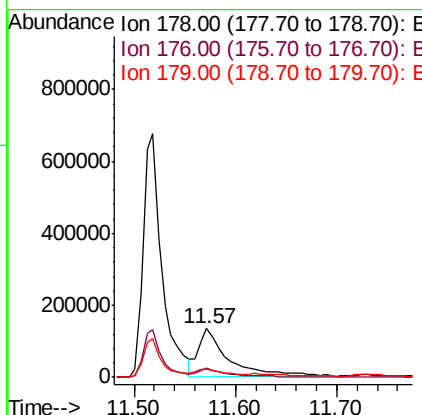
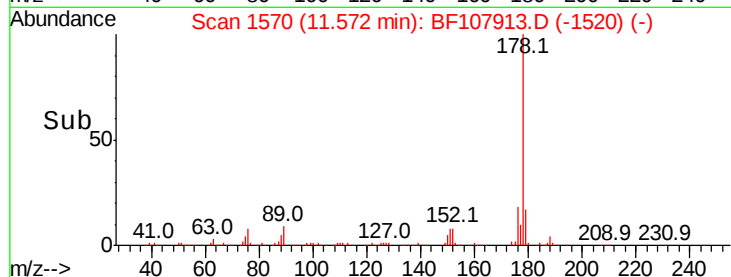
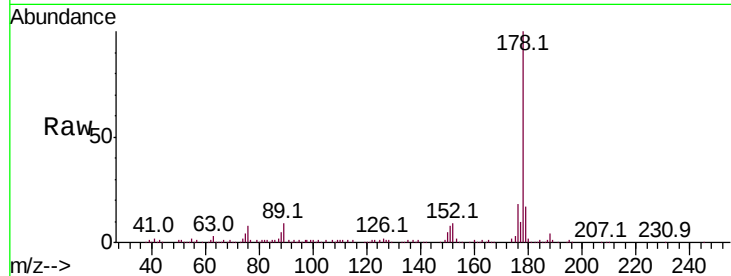
#71
 Anthracene
 Concen: 14.918 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.3	12.6	19.0

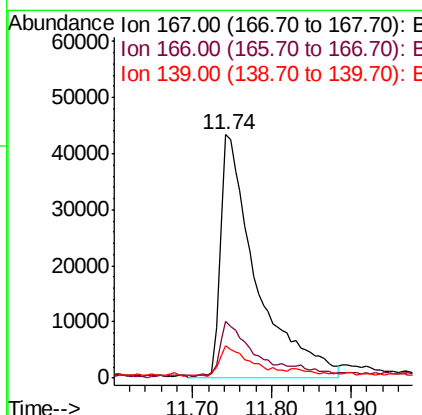
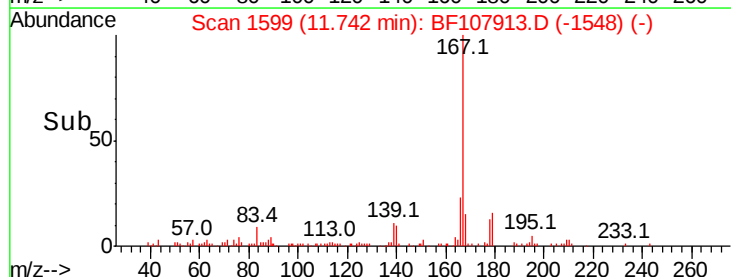
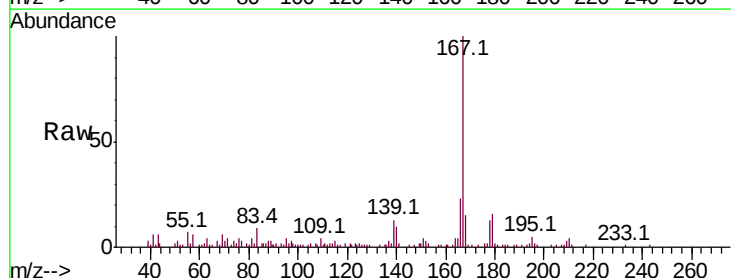
Manual Integrations
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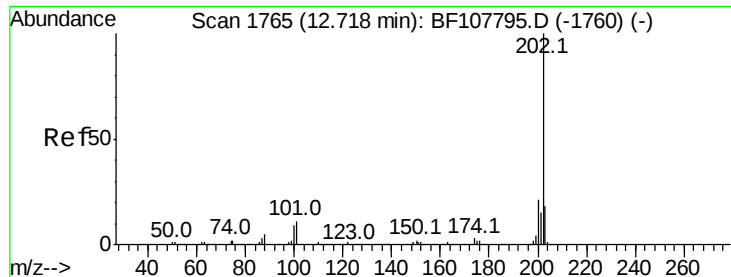
Sohil
 8/3/2018 12:53:16 PM



#72
 Carbazole
 Concen: 7.724 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.6	26.4
139	13.4	10.9	16.3





#74

Fluoranthene

Concen: 84.444 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107913.D

Acq: 2 Aug 2018 17:01

Instrument :

BNA_F

ClientSampleId :

KG-PIT-4

Tot Ion:202 Resp: 1537359

Ion Ratio Lower Upper

202 100

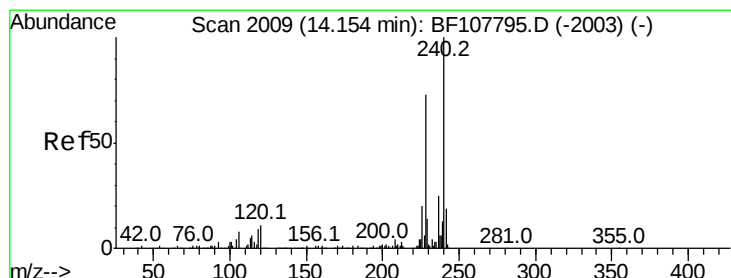
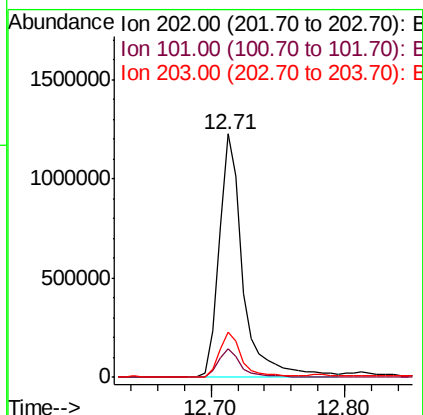
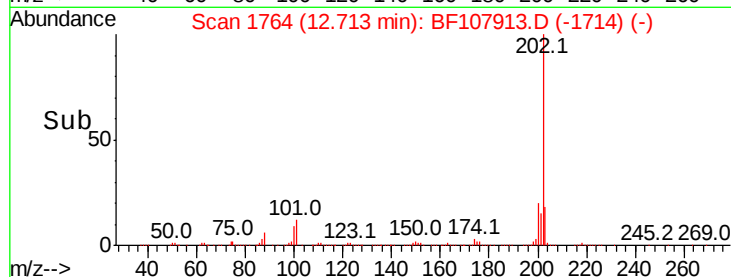
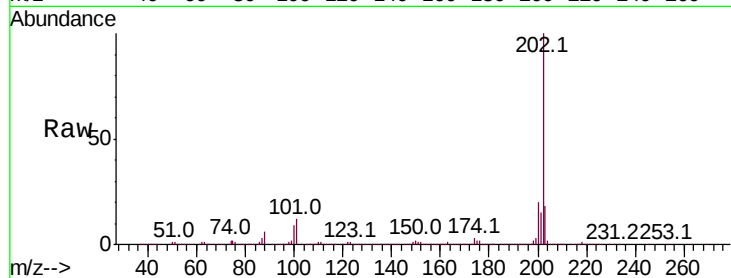
101 12.0 0.0 34.1

203 18.4 0.0 38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107913.D

Acq: 2 Aug 2018 17:01

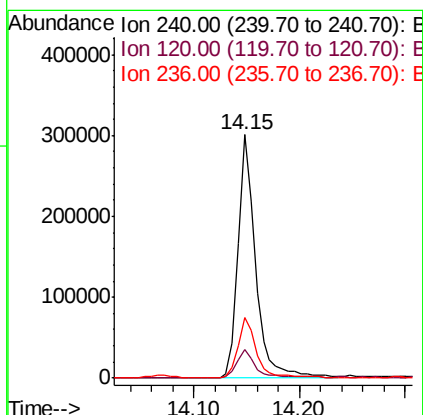
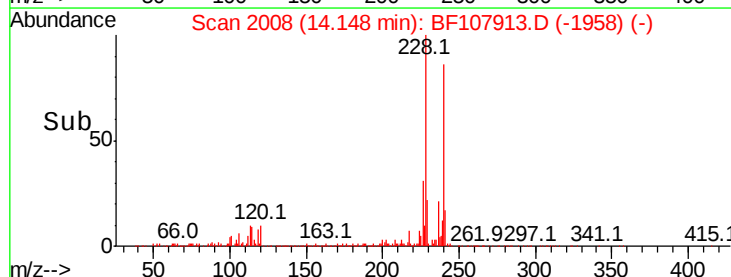
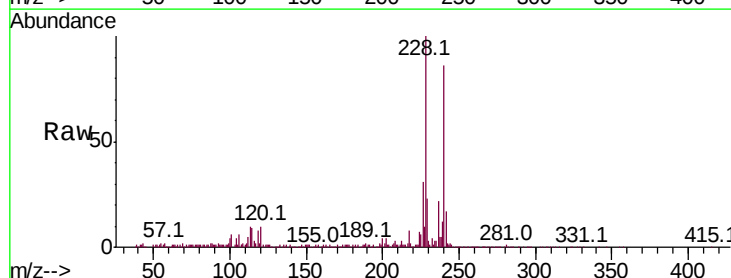
Tgt Ion:240 Resp: 342445

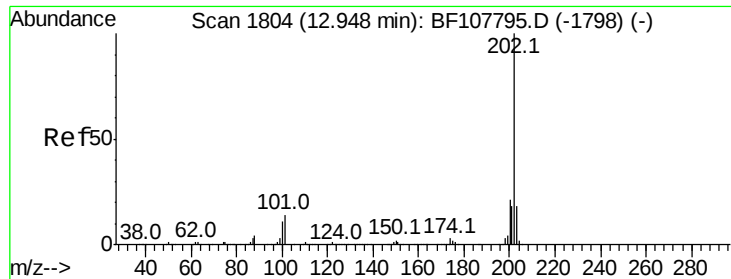
Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 25.1 20.7 31.1





#77

Pvrene

Concen: 58.131 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107913.D

Acq: 2 Aug 2018 17:01

Instrument :

BNA_F

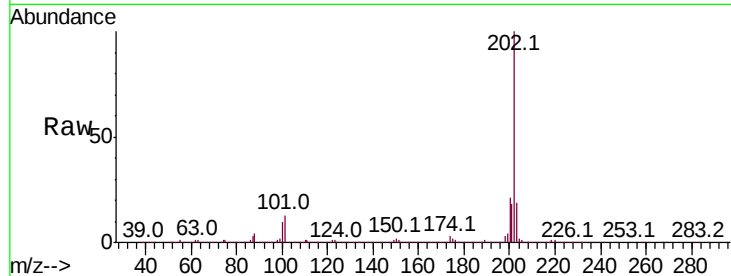
ClientSampleId :

KG-PIT-4

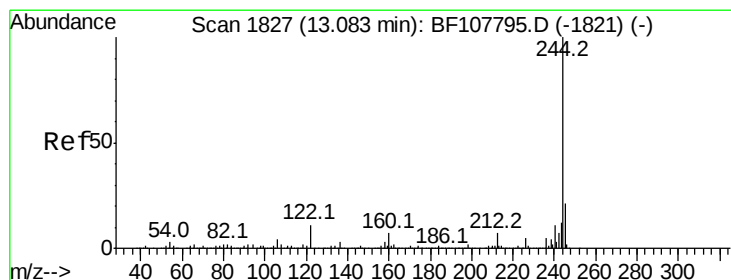
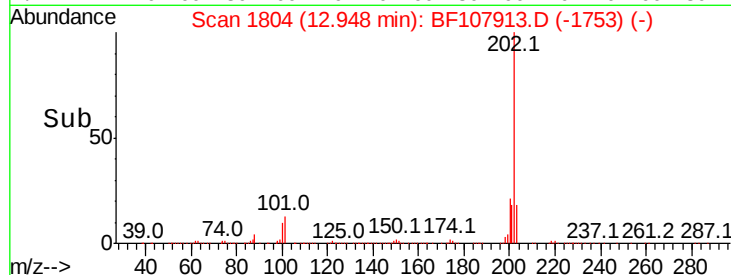
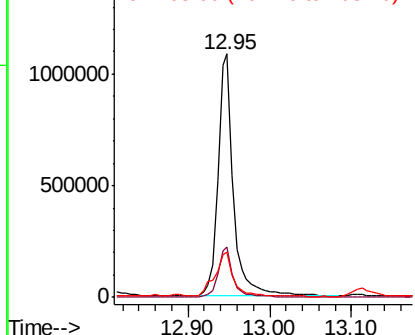
Tot Ion:	202	Resp:	1433439
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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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: 5.130 ng

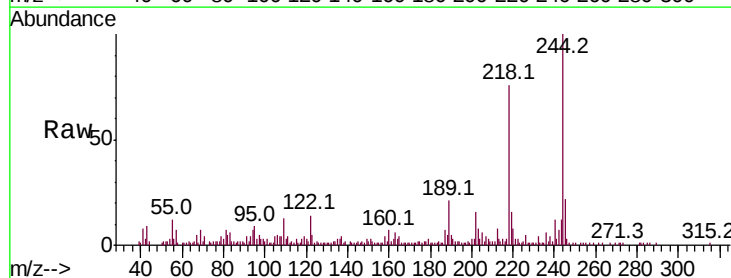
RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

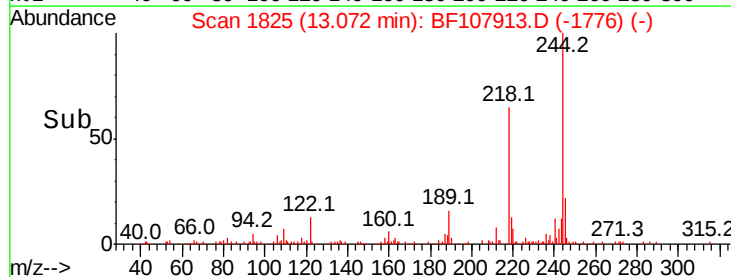
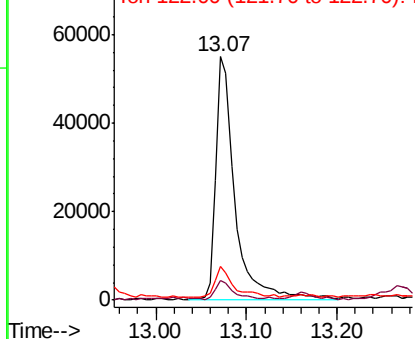
Lab File: BF107913.D

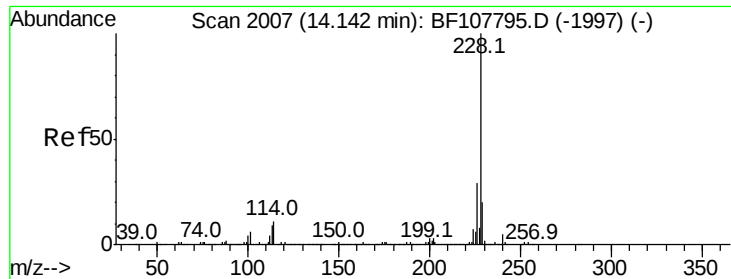
Acq: 2 Aug 2018 17:01

Tgt Ion:	244	Resp:	81012
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0#
122	13.9	11.0	16.4



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





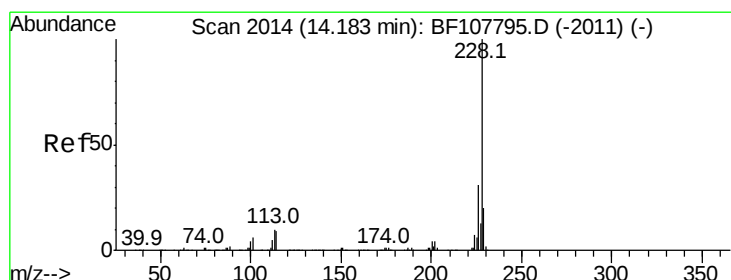
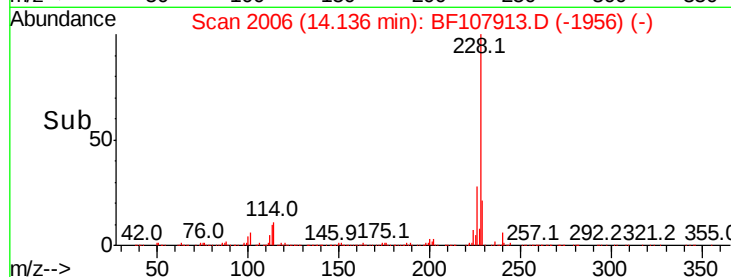
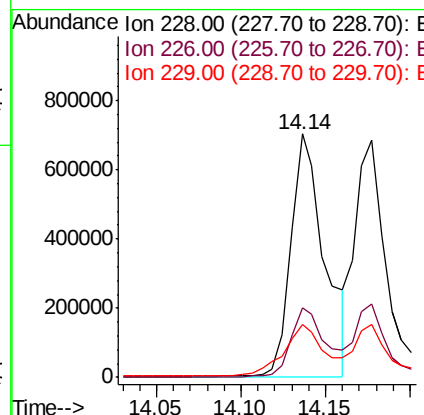
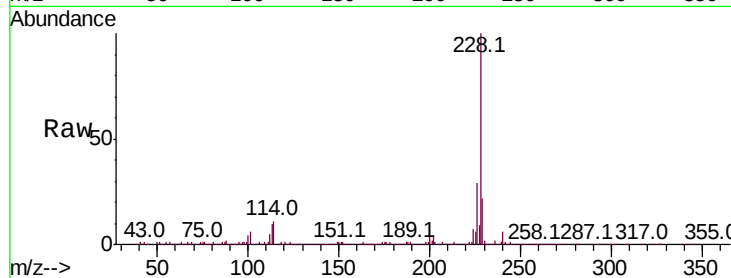
#80
Benzo(a)anthracene
Concen: 50.368 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.9	15.8	23.6

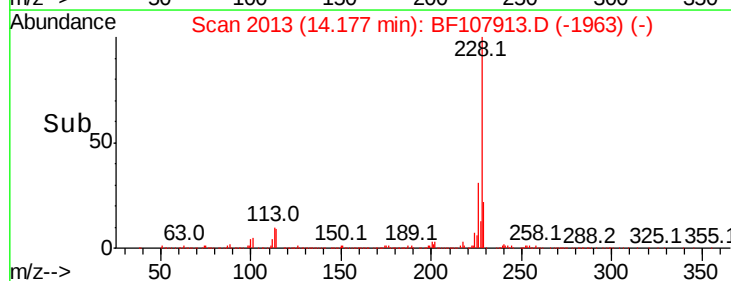
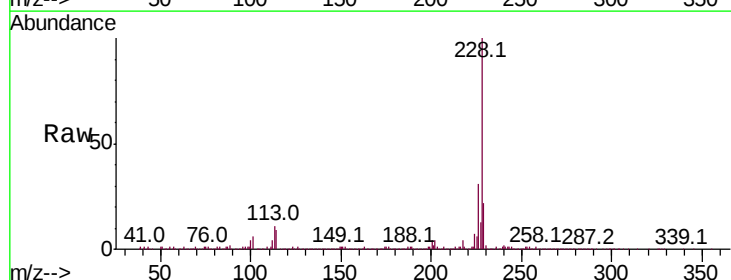
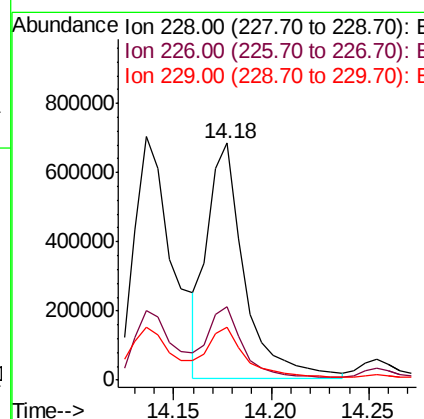
Manual Integrations
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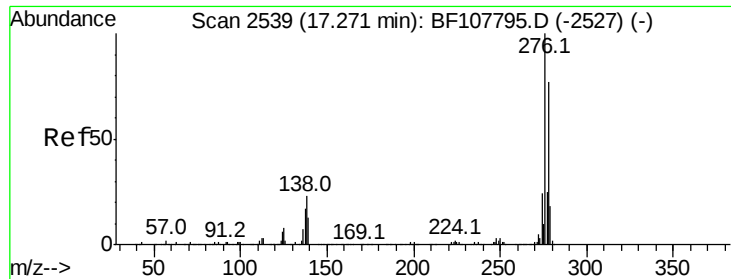
Sohil
8/3/2018 12:53:16 PM



#82
Chrysene
Concen: 43.432 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.2	16.2	24.4





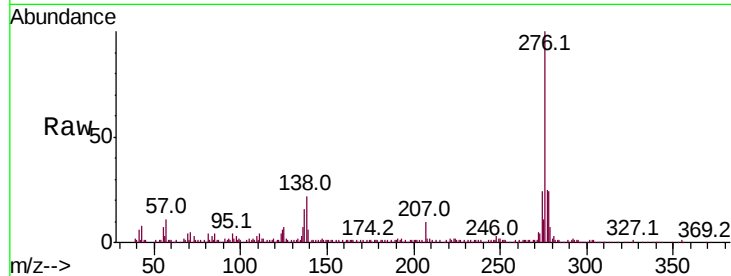
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.991 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	23.9	20.1	30.1

Manual Integrations
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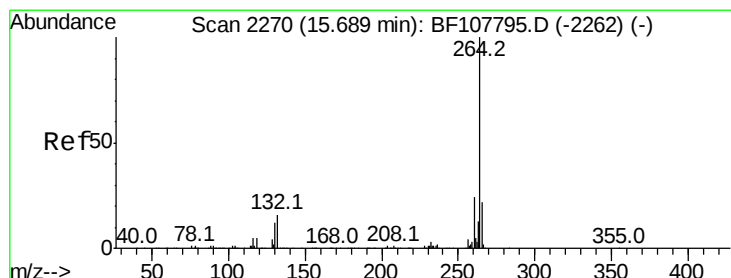
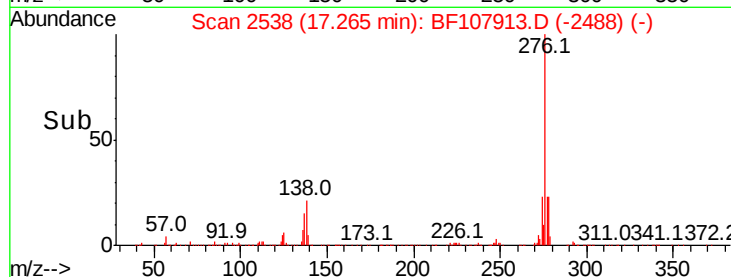
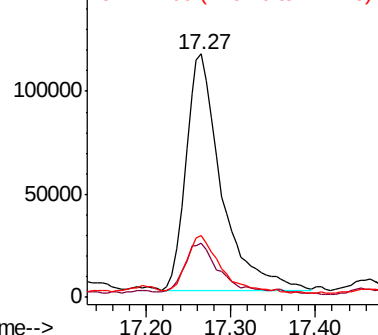


Abundance

Ion 276.00 (275.70 to 276.70): E

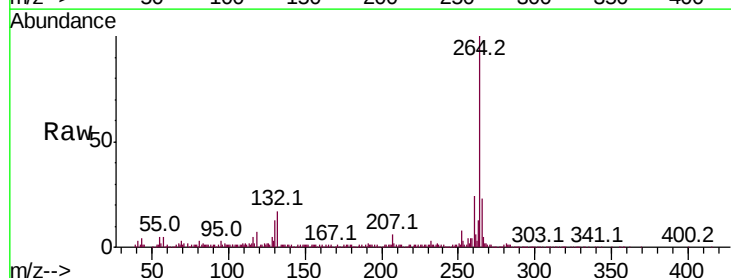
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.3	17.5	26.3

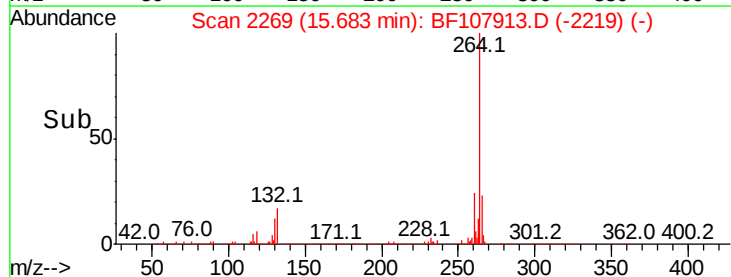
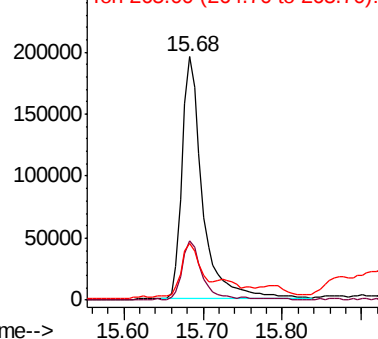


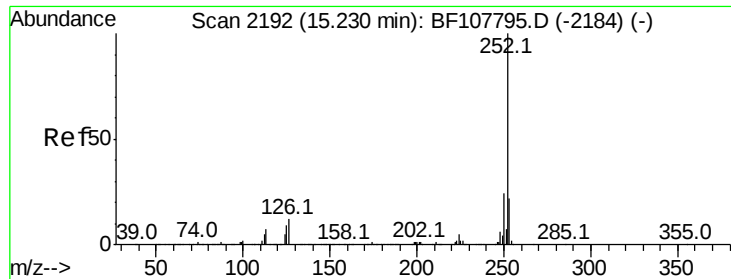
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





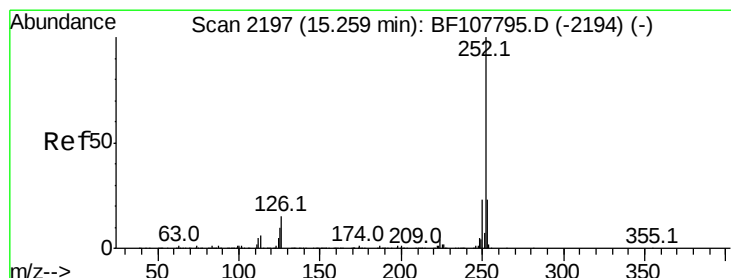
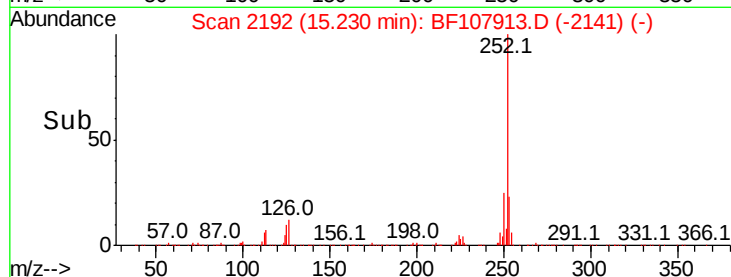
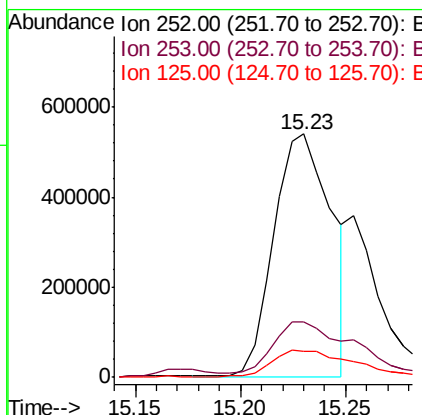
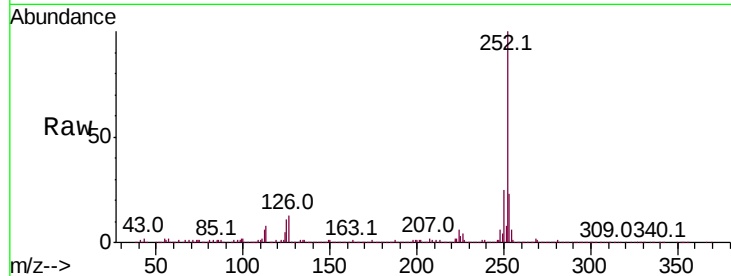
#87
Benzo(b)fluoranthene
Concen: 59.301 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.8	9.0	13.6

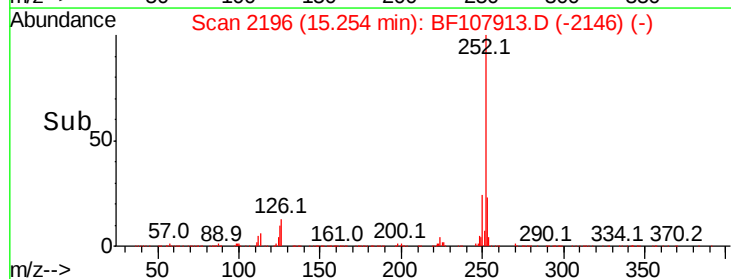
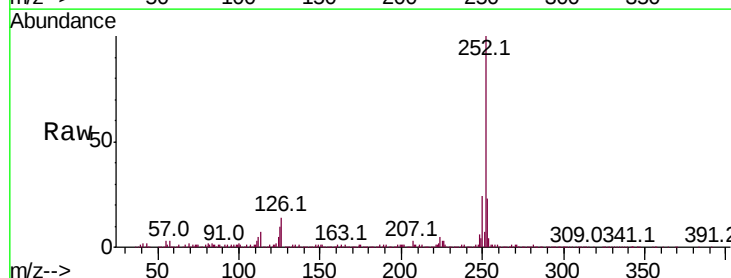
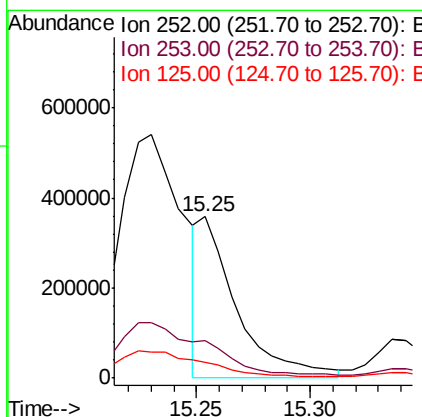
Manual Integrations
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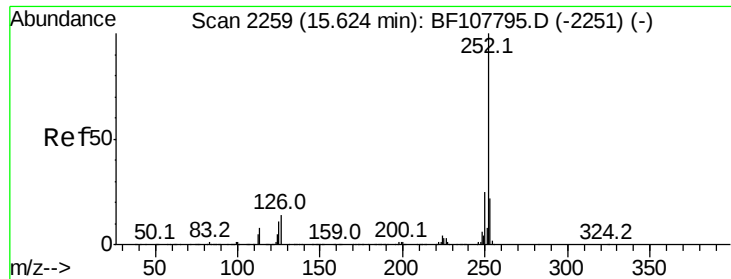
Sohil
8/3/2018 12:53:16 PM



#88
Benzo(k)fluoranthene
Concen: 19.283 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	10.1	10.2	15.2#





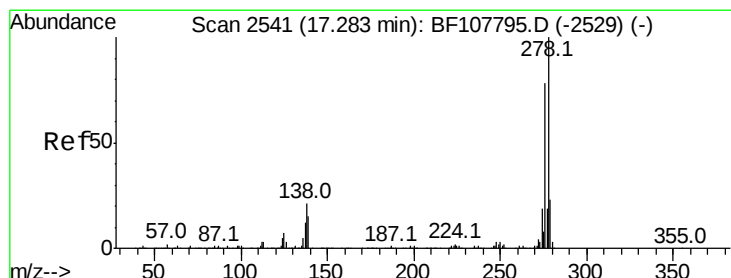
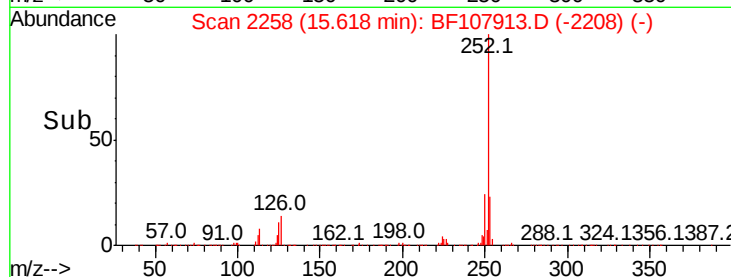
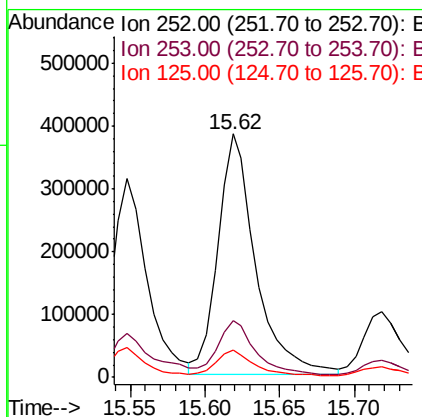
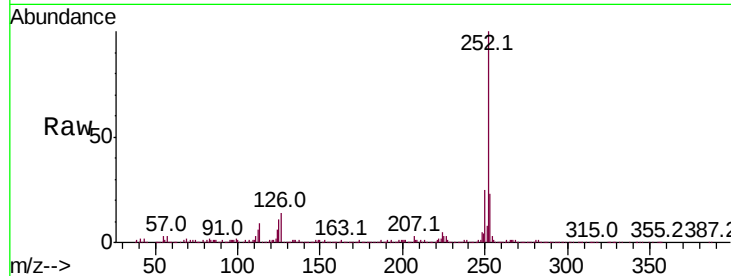
#89
Benzo(a)pyrene
Concen: 37.556 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.4	9.8	14.6

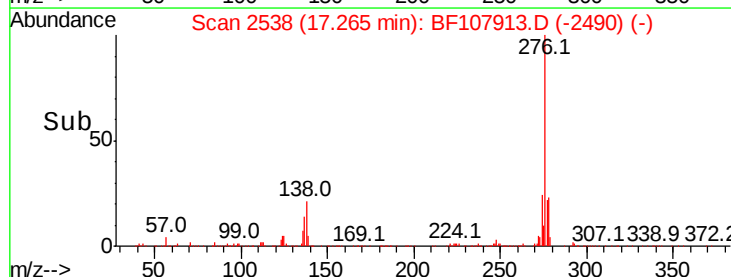
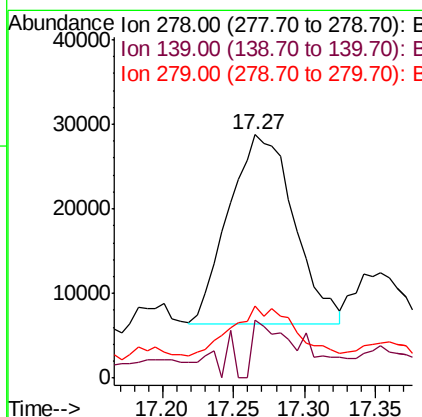
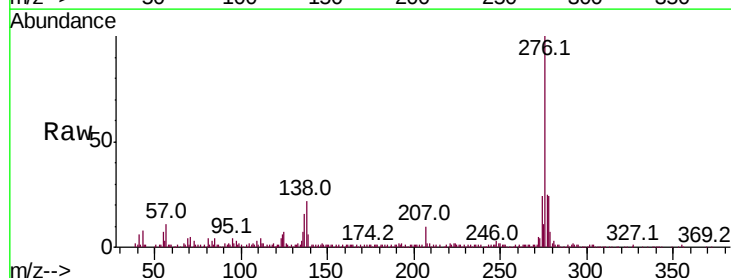
Manual Integrations
APPROVED

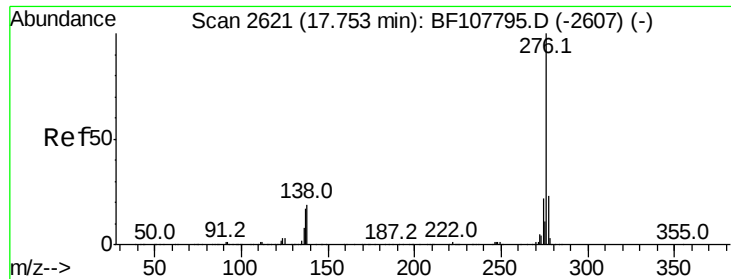
Sohil
8/3/2018 12:53:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.518 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107913.D
Acq: 2 Aug 2018 17:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	15.9	23.9
279	29.8	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 20.588 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107913.D
 Acq: 2 Aug 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.7	17.9	26.9
138	21.6	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 8/3/2018 12:53:16 PM

