

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107956.D
 Acq On : 3 Aug 2018 23:37
 Operator : JU/SJ
 Sample : J4310-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Manual Integrations
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Quant Time: Aug 06 12:54:42 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	93197	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	480619	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	195733	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	343576m	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	334140	20.00	ng	-0.01
86) Perylene-d12	15.67	264	341713	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	33070m	6.03	ng	0.19
7) Phenol-d6	6.70	99	80608m	11.15	ng	0.09
23) Nitrobenzene-d5	7.59	82	60475m	7.25	ng	0.05
41) 2,4,6-Tribromophenol	10.80	330	23526m	8.85	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	142343	10.13	ng	-0.01
78) Terphenyl-d14	13.07	244	142519	9.25	ng	-0.01
Target Compounds						
51) Acenaphthene	10.02	154	34426	2.846	ng	Qvalue 97
57) Fluorene	10.55	166	41951	2.887	ng	# 91
70) Phenanthrene	11.51	178	572902	35.117	ng	98
71) Anthracene	11.57	178	239395	12.722	ng	98
72) Carbazole	11.76	167	44602	2.399	ng	96
74) Fluoranthene	12.71	202	934767	48.773	ng	97
77) Pyrene	12.94	202	760646	31.613	ng	97
80) Benzo(a)anthracene	14.13	228	455766	24.079	ng	98
82) Chrysene	14.17	228	412438	20.202	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	141995	9.144	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	430490m	25.543	ng	
88) Benzo(k)fluoranthene	15.24	252	227556m	10.998	ng	
89) Benzo(a)pyrene	15.61	252	321105	18.456	ng	97
91) Benzo(a,h,i)perylene	17.73	276	126716	8.629	ng	# 90

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

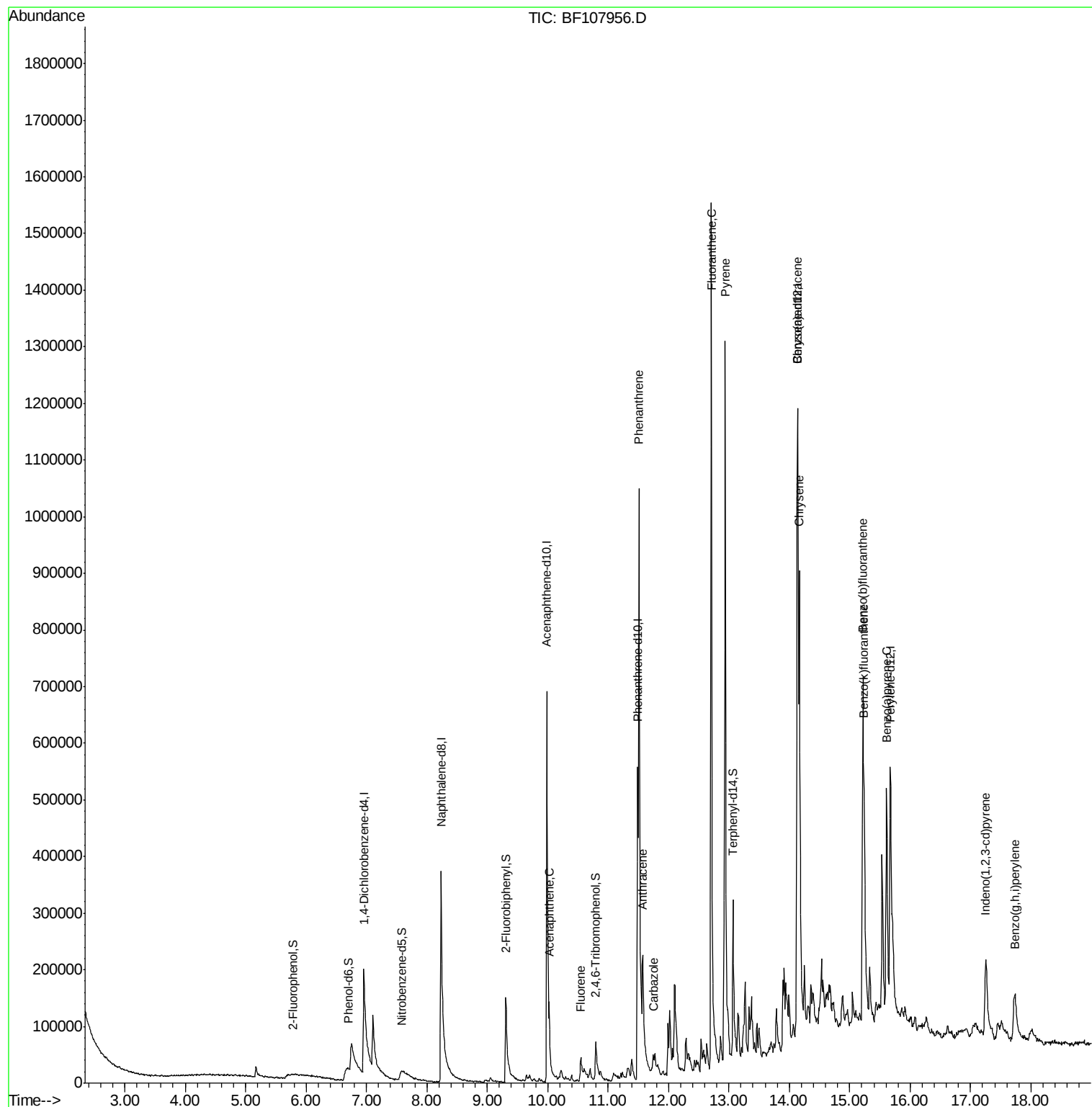
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107956.D
Acq On : 3 Aug 2018 23:37
Operator : JU/SJ
Sample : J4310-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

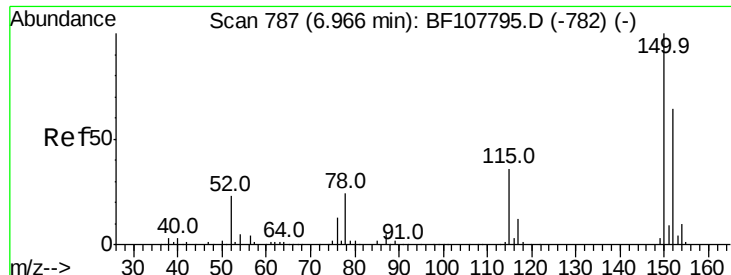
Instrument :
BNA_F
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C-2

Quant Time: Aug 06 12:54:42 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
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#1

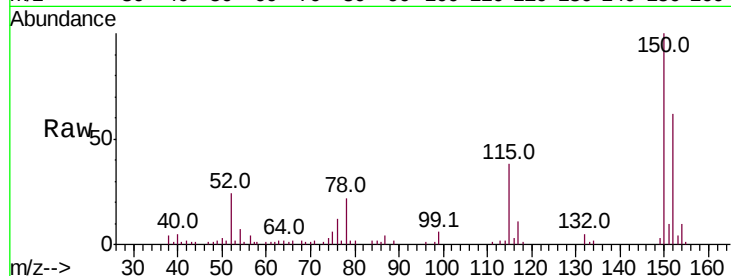
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampleId :
C-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	124.6	186.8
115	60.7	50.1	75.1

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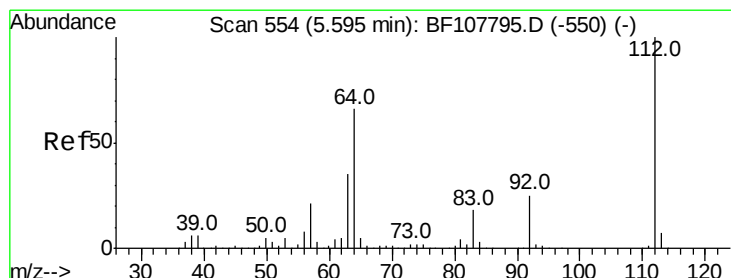
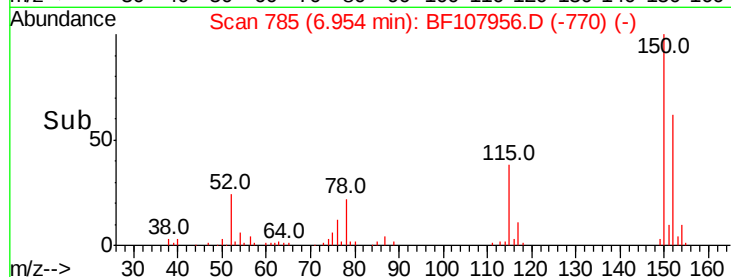
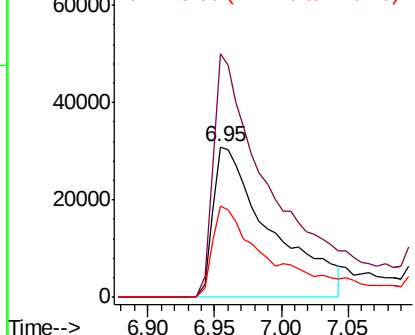


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

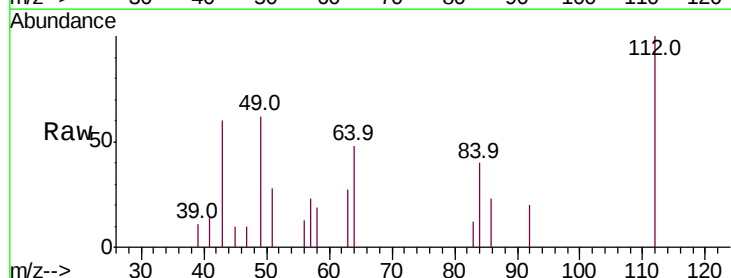
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.031 ng m
RT: 5.78 min Scan# 586
Delta R.T. 0.19 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	47.9	71.9
63	27.1	23.7	35.5

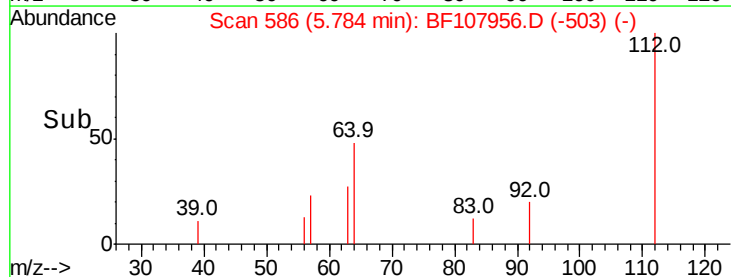
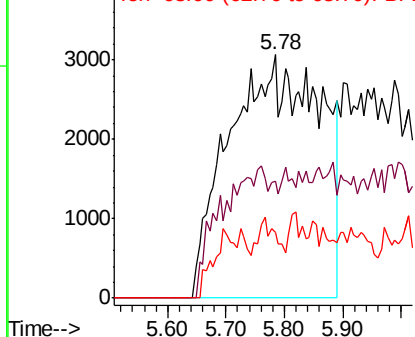


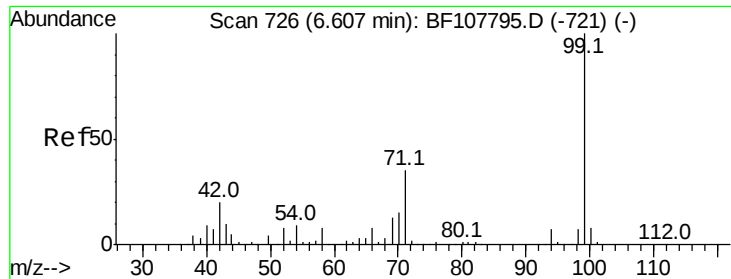
Abundance

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: 11.154 ng/mL

RT: 6.70 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

Instrument :

BNA_F

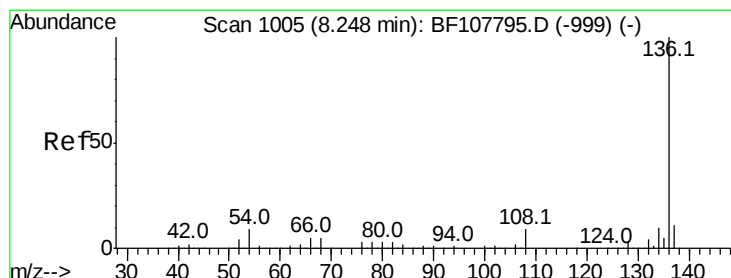
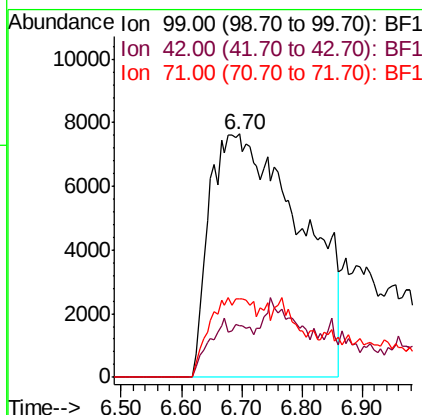
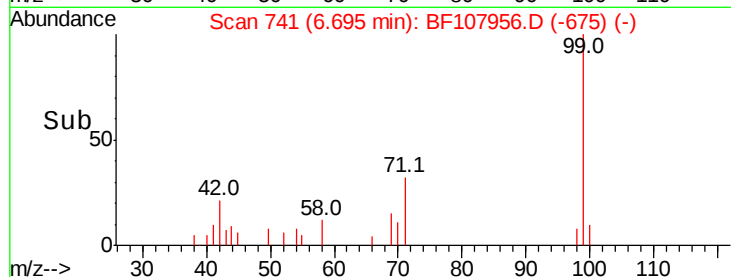
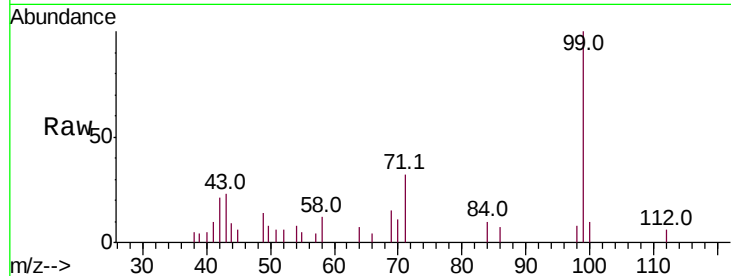
ClientSampled :

C-2

Tot Ion:	99	Resp:	80608
Ion Ratio	Lower	Upper	
99	100		
42	21.0	14.5	21.7
71	32.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

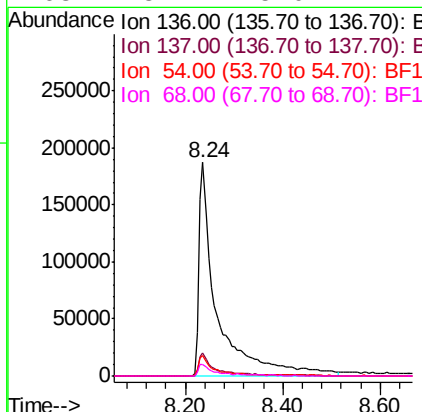
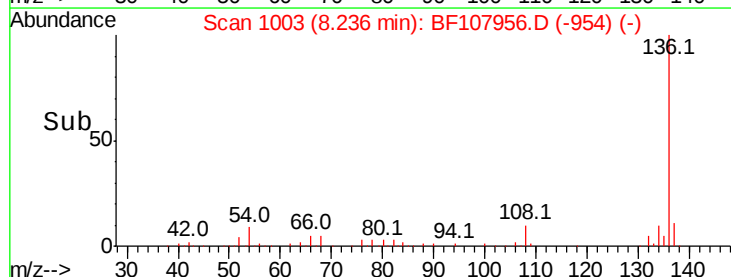
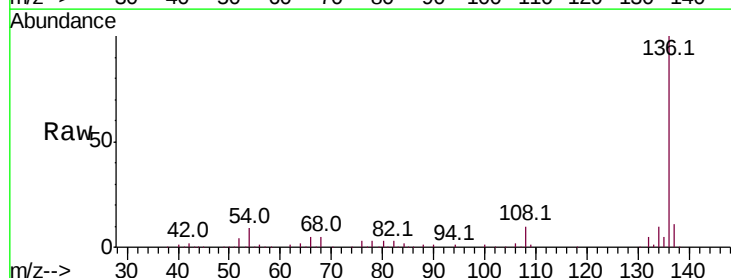
RT: 8.24 min Scan# 1003

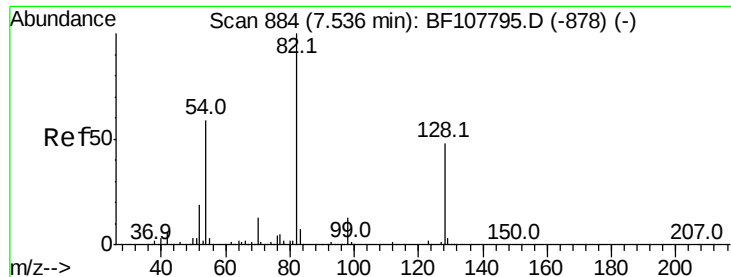
Delta R.T. -0.01 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

Tgt Ion:	136	Resp:	480619
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.4	6.6	9.8
68	5.4	5.0	7.4





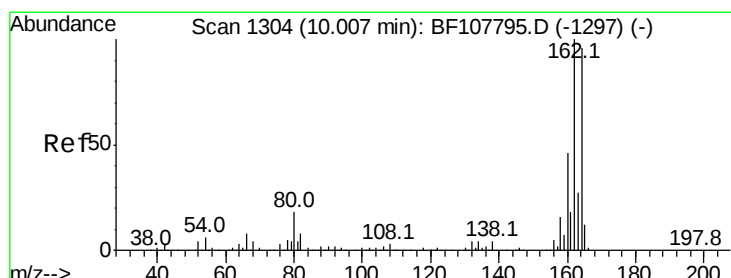
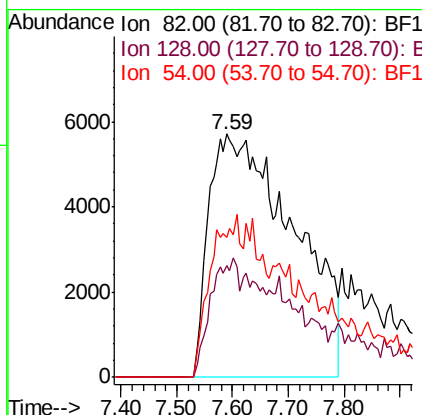
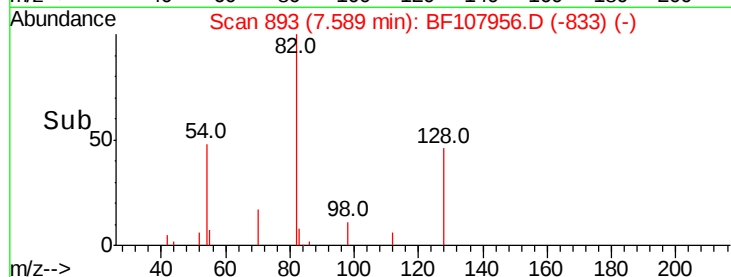
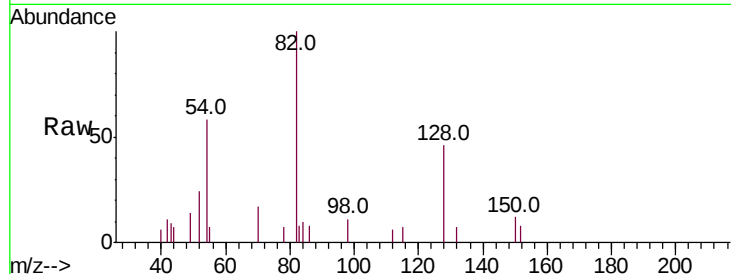
#23
 Nitrobenzene-d5
 Concen: 7.249 ng m
 RT: 7.59 min Scan# 893
 Delta R.T. 0.05 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Instrument :
 BNA_F
 ClientSampled :
 C-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	57.6	41.4	62.2

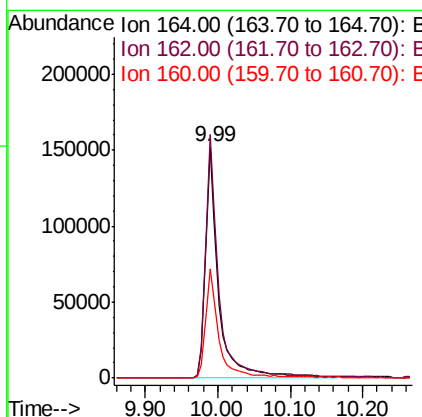
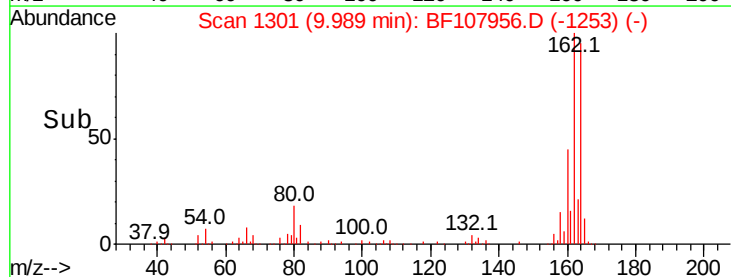
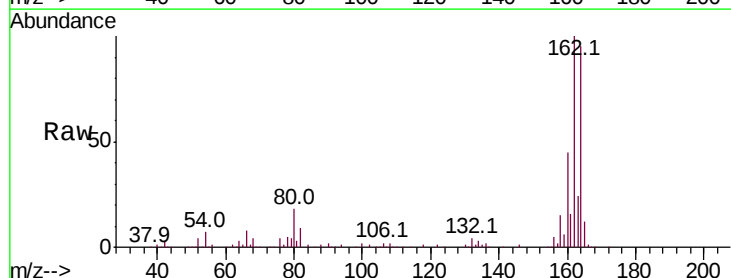
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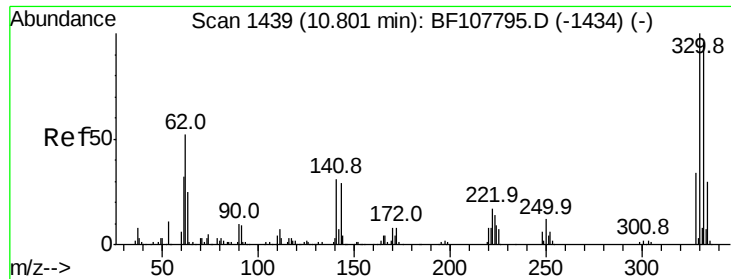
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	47.2	38.3	57.5





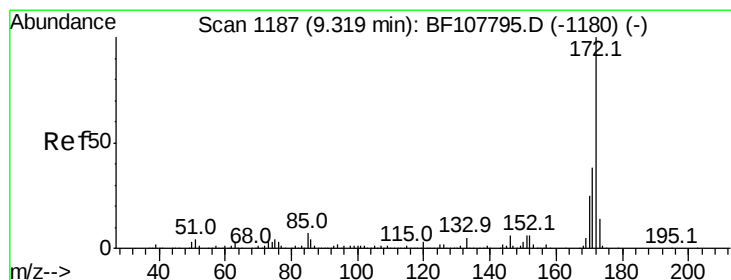
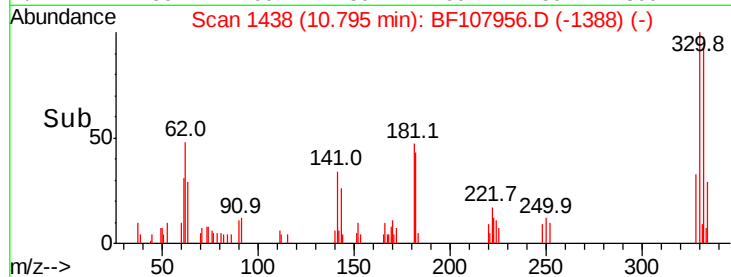
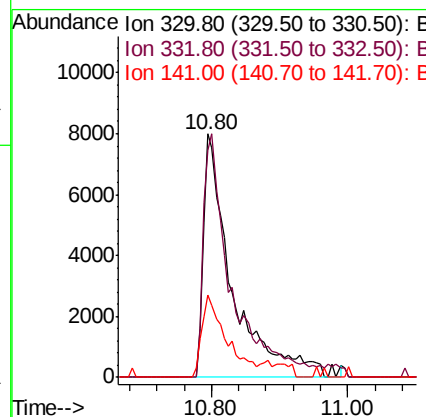
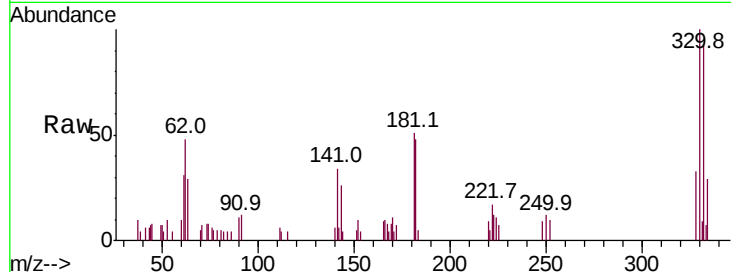
#41
 2,4,6-Tribromophenol
 Concen: 8.846 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Instrument :
 BNA_F
 ClientSampled :
 C-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	28.7	29.9	44.9#

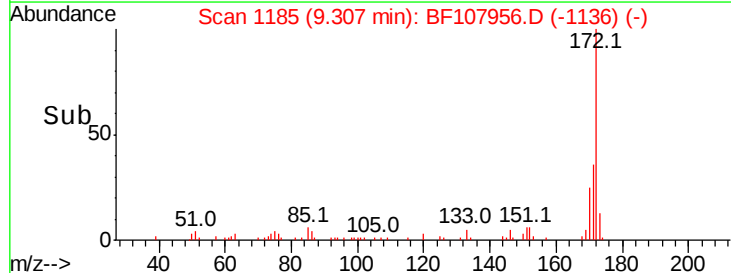
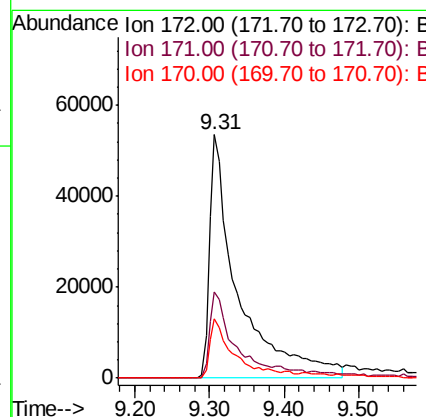
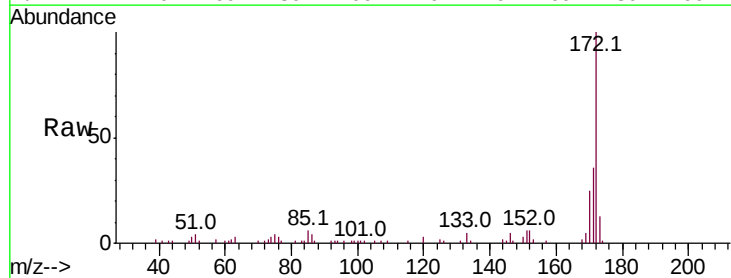
Manual Integrations
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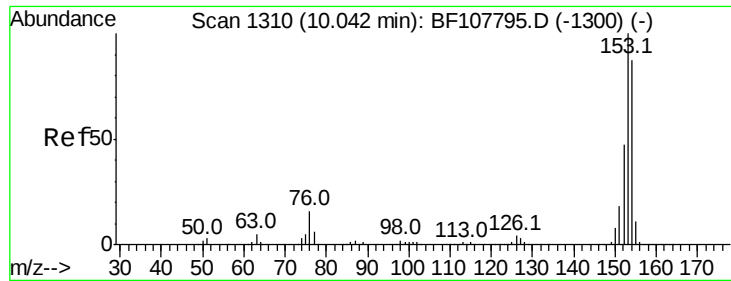
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#44
 2-Fluorobiphenyl
 Concen: 10.134 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

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





#51

Acenaphthene

Concen: 2.846 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

Instrument :

BNA_F

ClientSampled :

C-2

Tot Ion:154 Resp: 34426

Ion Ratio Lower Upper

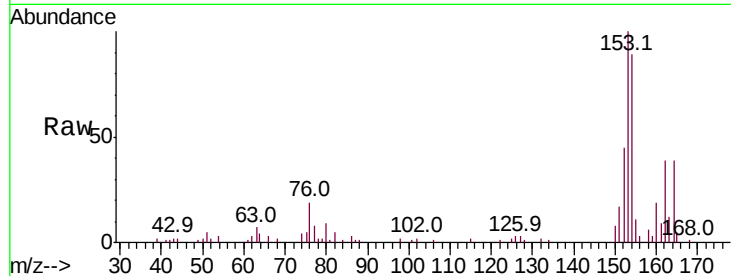
154 100

153 111.8 91.2 136.8

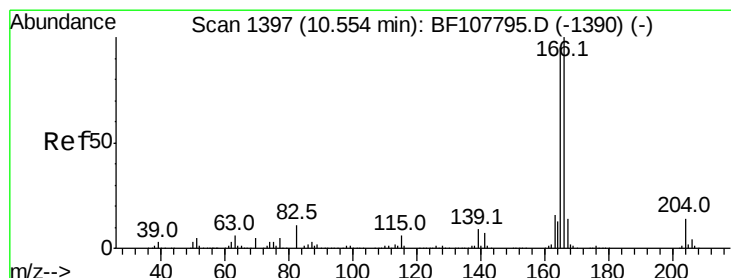
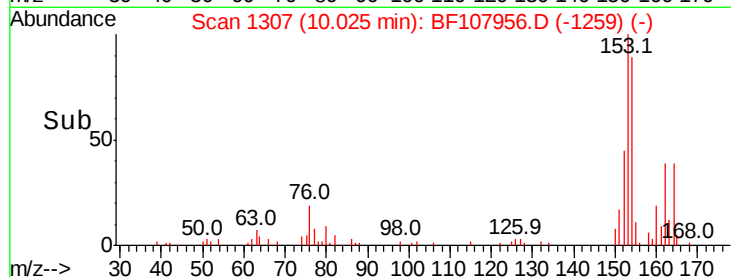
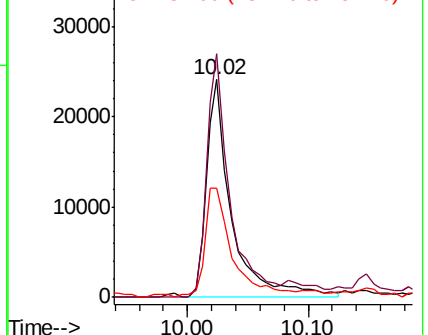
152 50.3 43.8 65.8

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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: 2.887 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

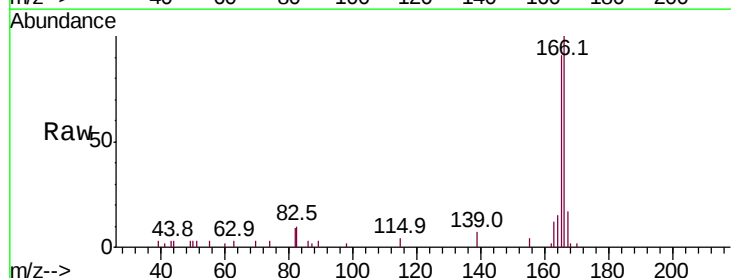
Tgt Ion:166 Resp: 41951

Ion Ratio Lower Upper

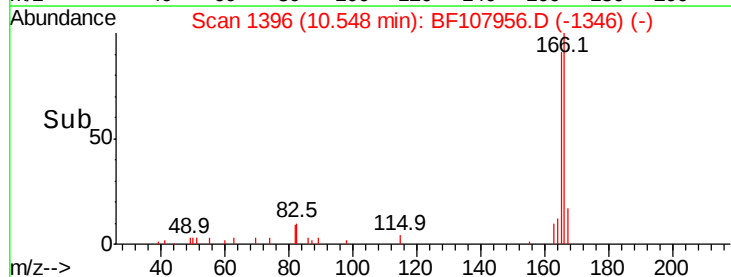
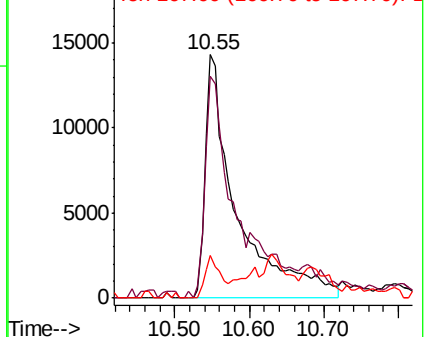
166 100

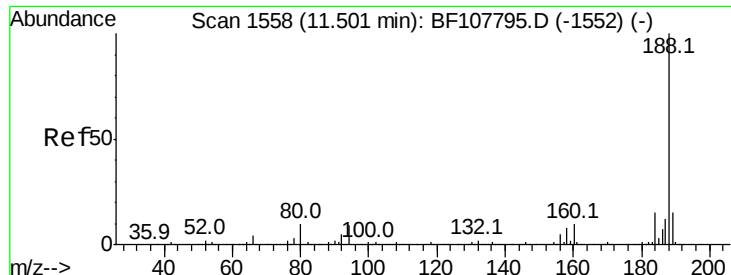
165 91.0 79.8 119.8

167 17.5 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/mL

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

Instrument :

BNA_F

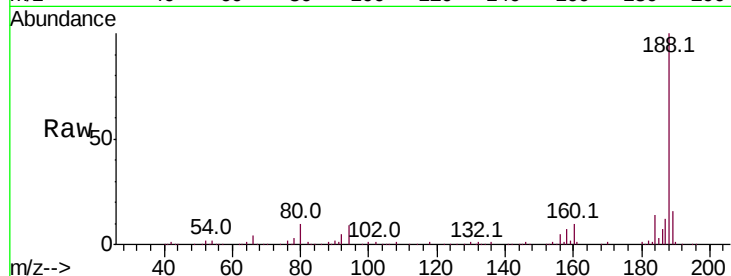
ClientSampleId :

C-2

Tot Ion:	188	Resp:	343576
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.5	12.7
80	9.7	9.2	13.8

Manual Integrations
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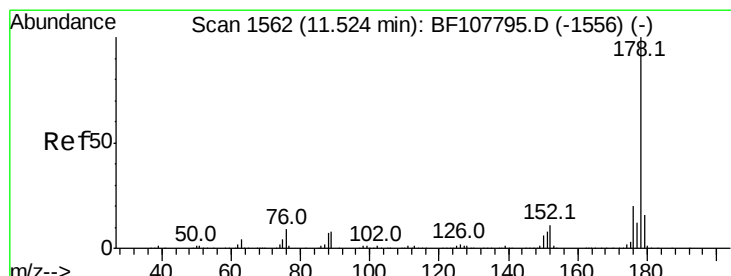
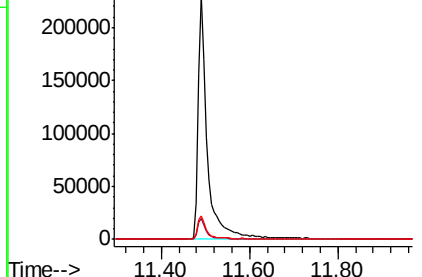
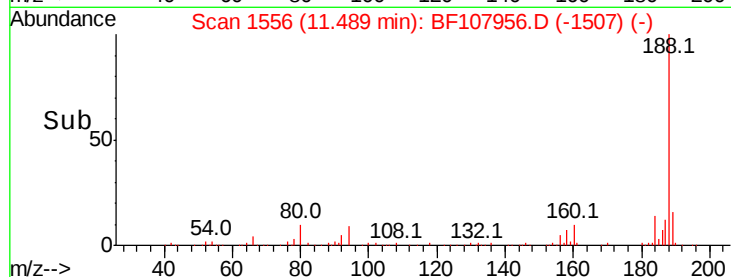
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 35.117 ng/mL

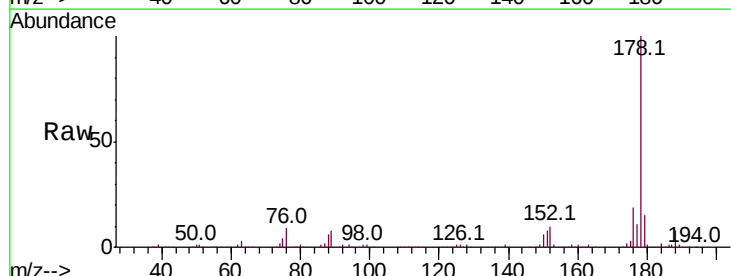
RT: 11.51 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF107956.D

Acq: 3 Aug 2018 23:37

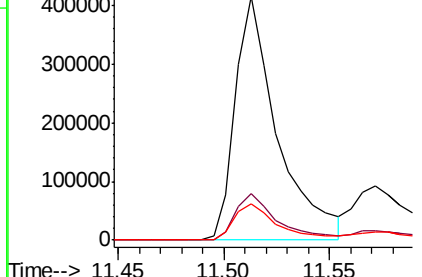
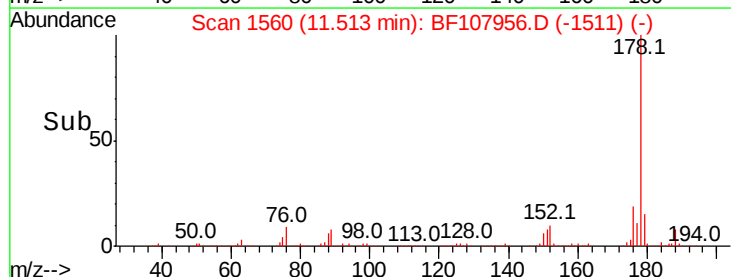
Tgt Ion:	178	Resp:	572902
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.0	13.0	19.6

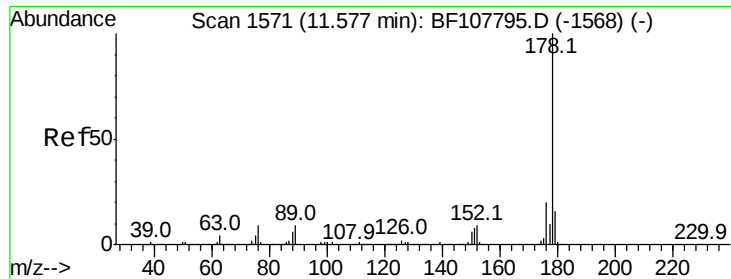


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





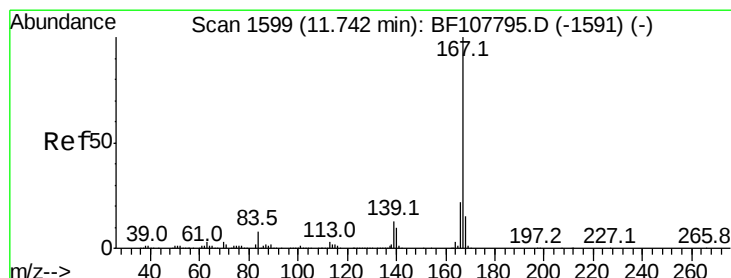
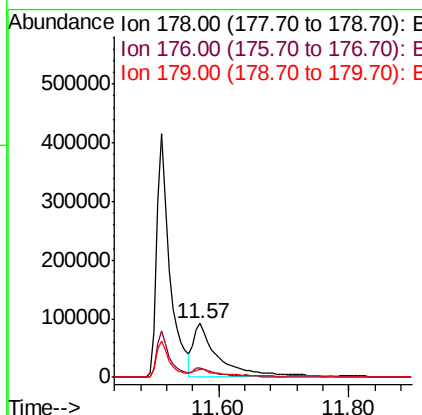
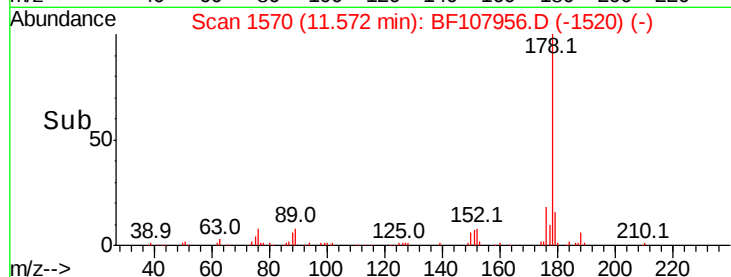
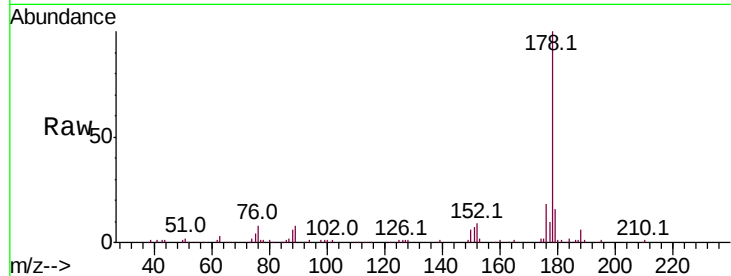
#71
 Anthracene
 Concen: 12.722 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Instrument :
 BNA_F
 ClientSampled :
 C-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.2	12.6	19.0

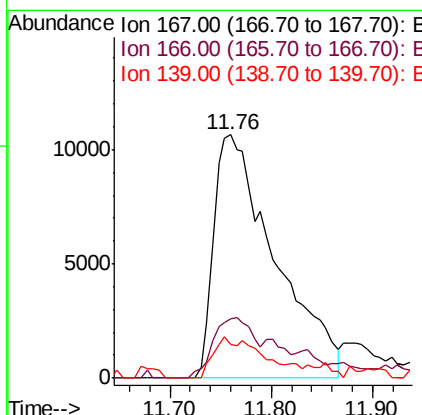
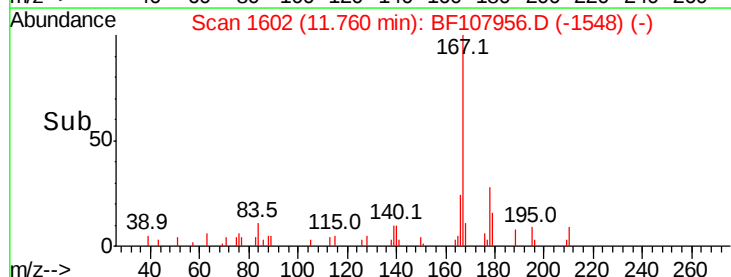
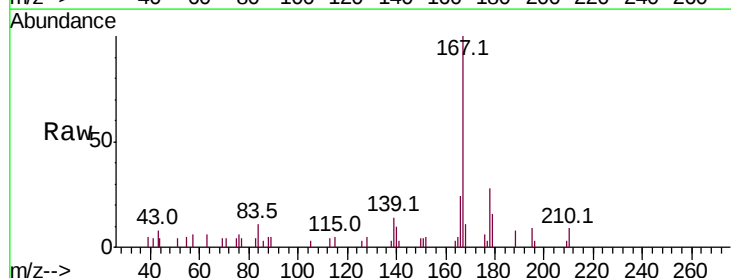
Manual Integrations
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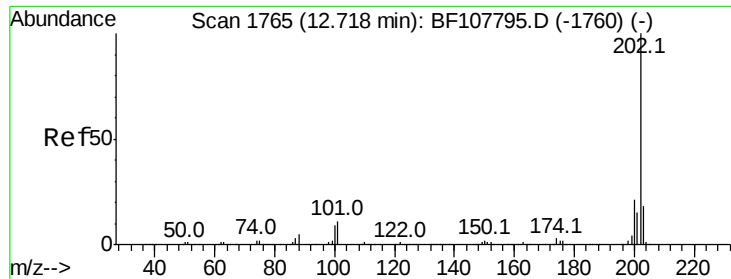
Sohil
 8/6/2018 5:05:56 PM



#72
 Carbazole
 Concen: 2.399 ng
 RT: 11.76 min Scan# 1602
 Delta R.T. 0.02 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.6	26.4
139	14.0	10.9	16.3





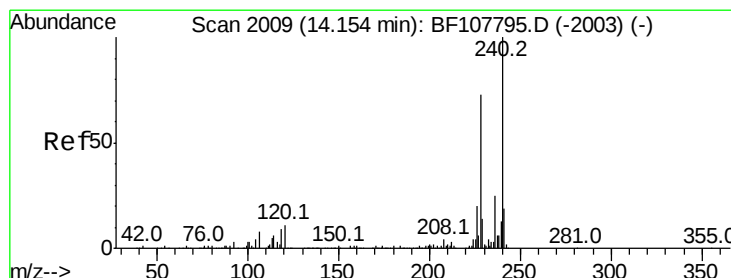
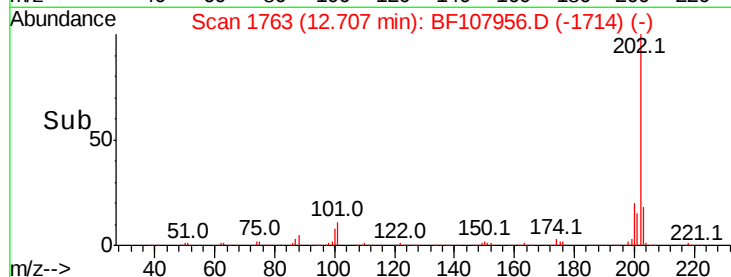
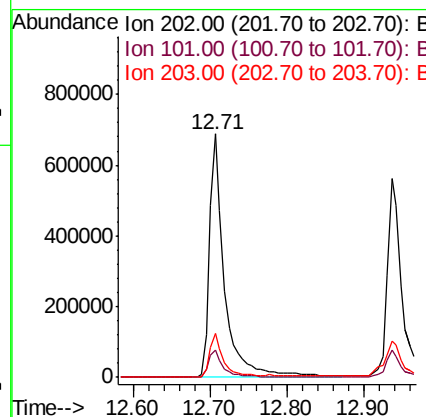
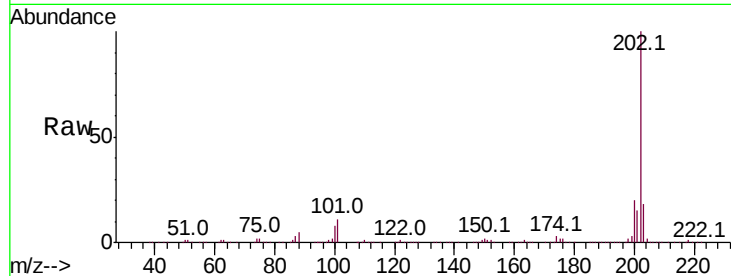
#74
 Fluoranthene
 Concen: 48.773 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Instrument :
 BNA_F
 ClientSampleId :
 C-2

Tot Ion:	202	Resp:	934767
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	18.3	0.0	38.1

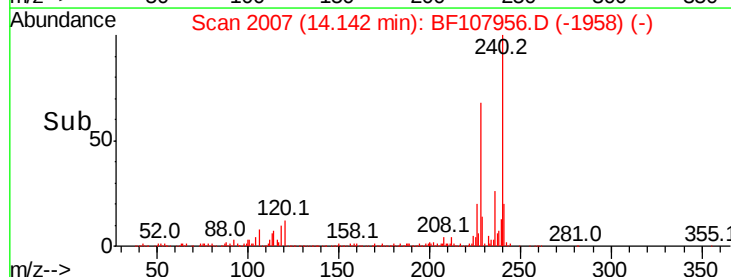
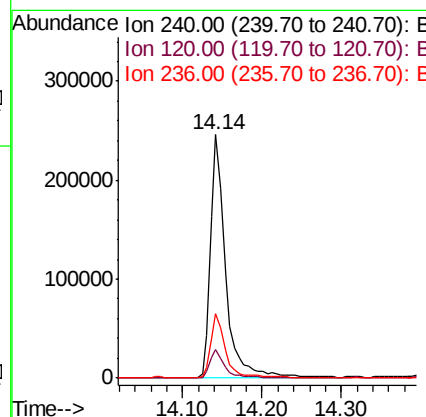
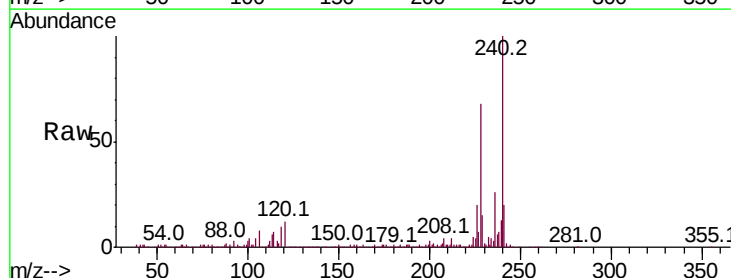
Manual Integrations
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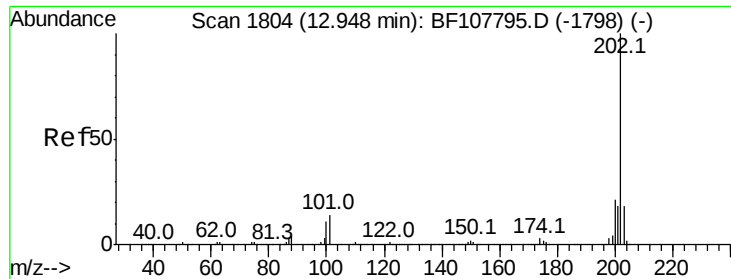
Sohil
 8/6/2018 5:05:56 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107956.D
 Acq: 3 Aug 2018 23:37

Tgt Ion:	240	Resp:	334140
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	26.4	20.7	31.1





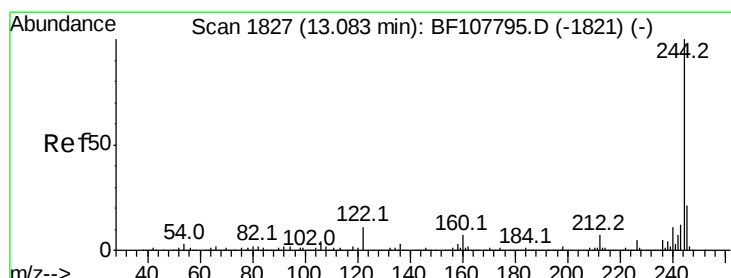
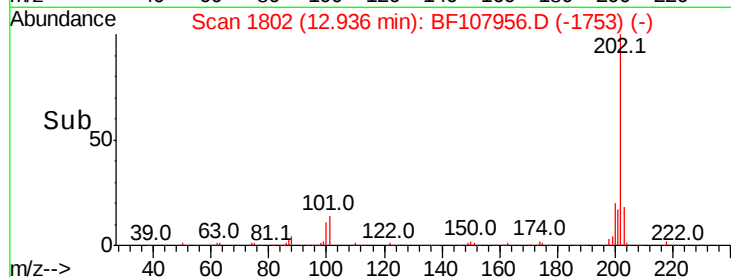
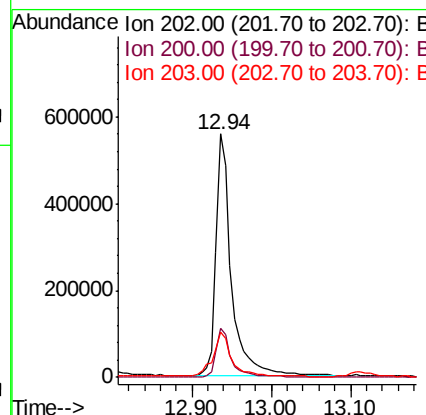
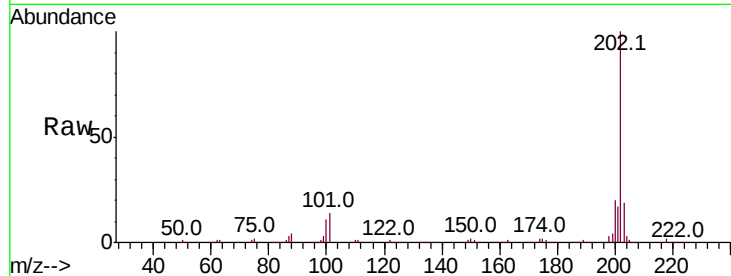
#77
Pvrene
Concen: 31.613 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampled :
C-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	18.6	14.3	21.5

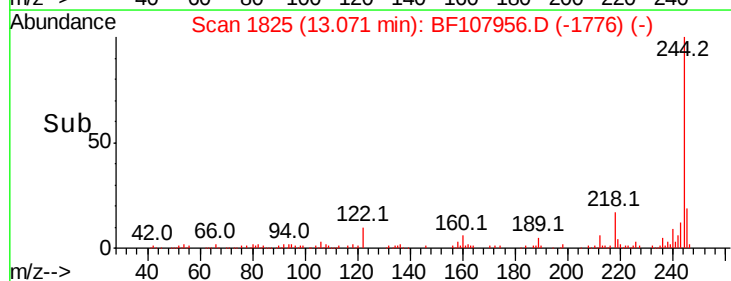
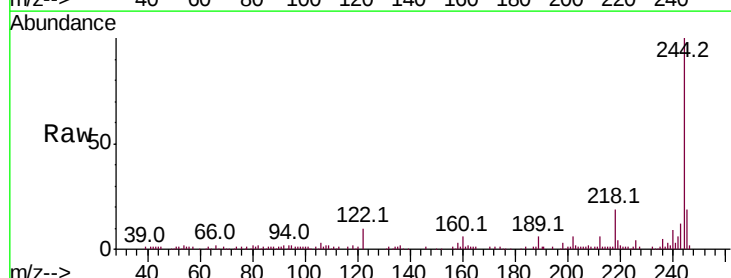
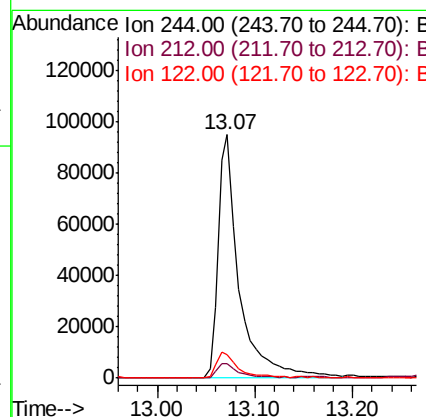
Manual Integrations
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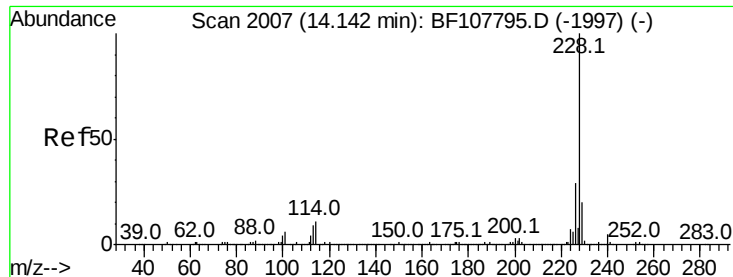
Sohil
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#78
Terphenyl-d14
Concen: 9.249 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	9.8	11.0	16.4#





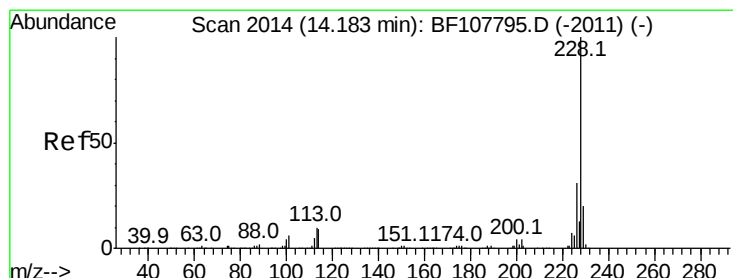
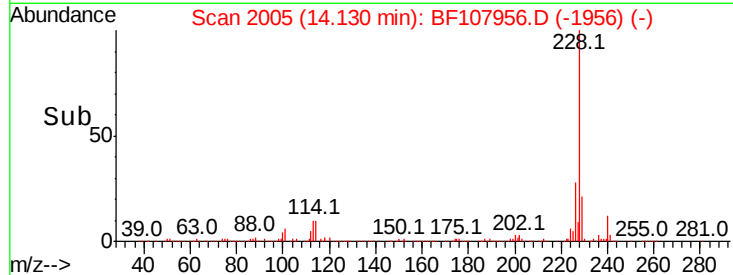
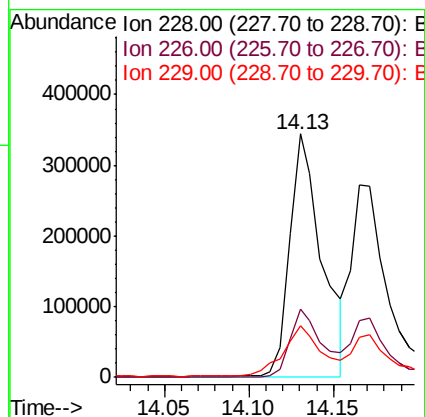
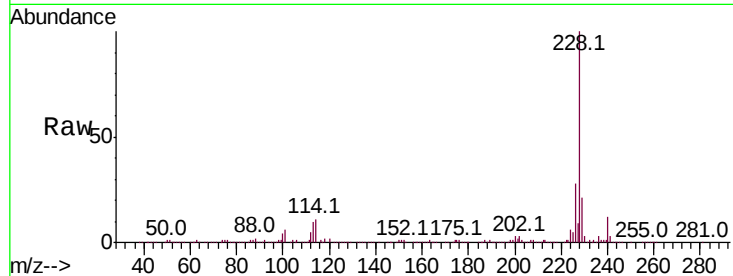
#80
Benzo(a)anthracene
Concen: 24.079 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampleId :
C-2

Tot Ion:	228	Resp:	455766
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	33.8
229	21.2	15.8	23.6

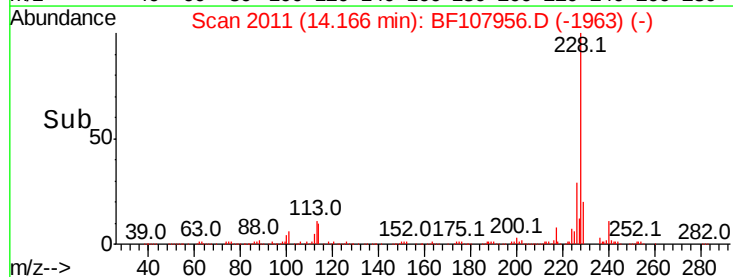
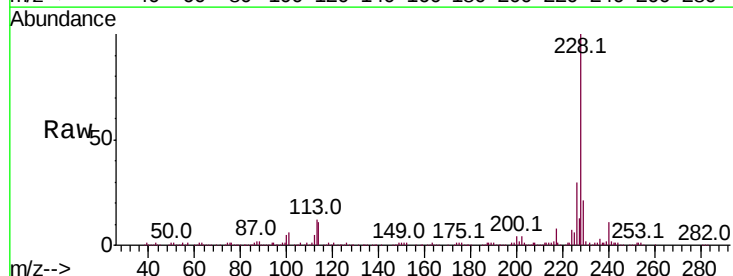
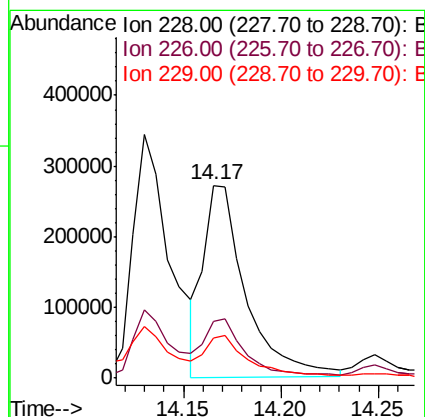
Manual Integrations
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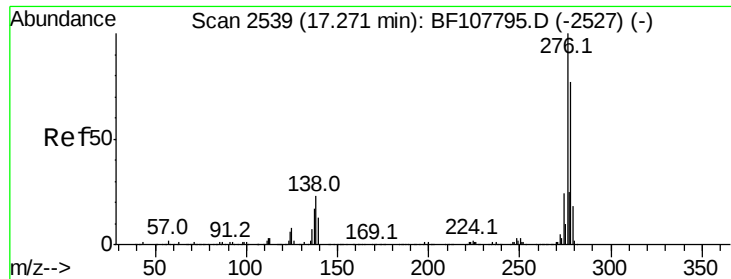
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#82
Chrysene
Concen: 20.202 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion:	228	Resp:	412438
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	20.8	16.2	24.4





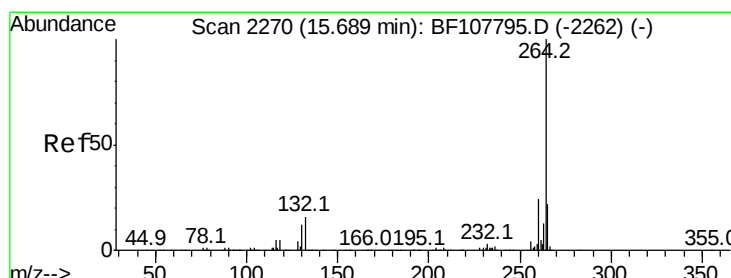
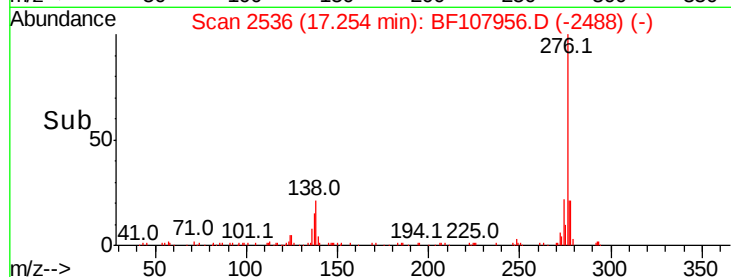
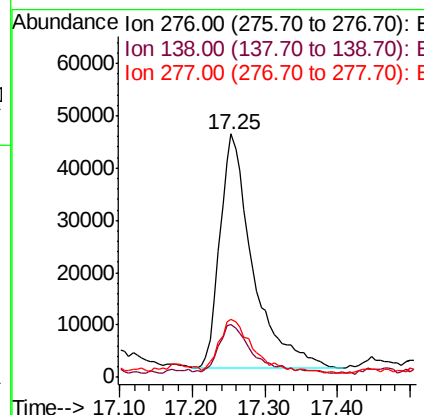
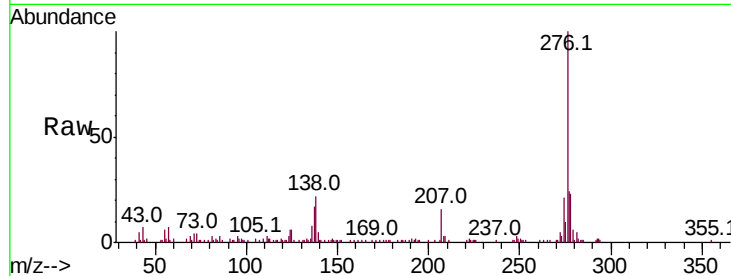
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.144 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampleId :
C-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	24.9	20.1	30.1

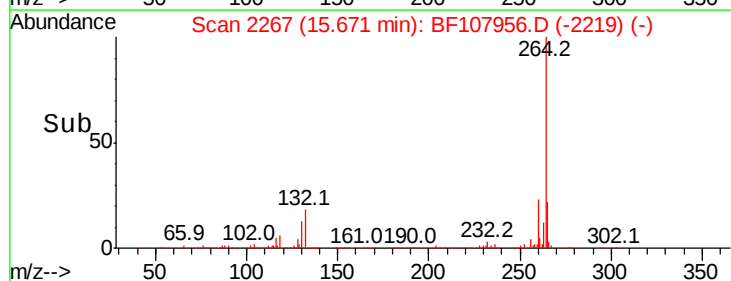
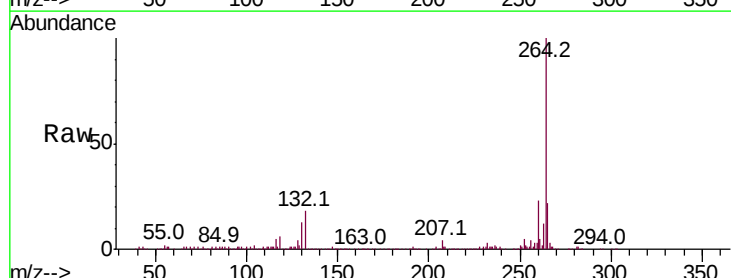
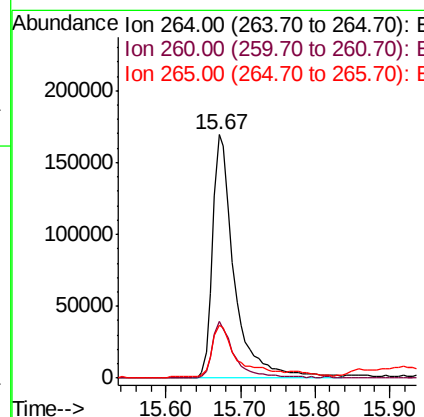
Manual Integrations
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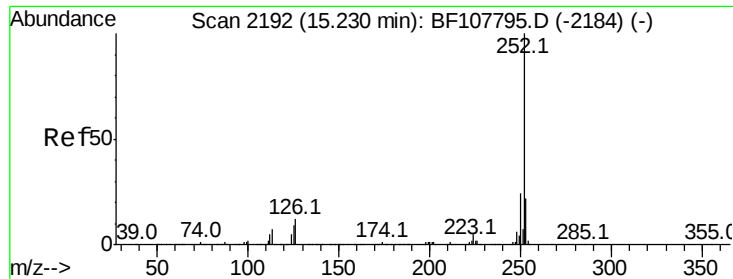
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.5	26.3





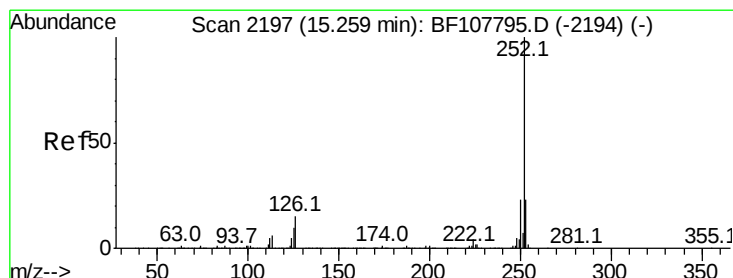
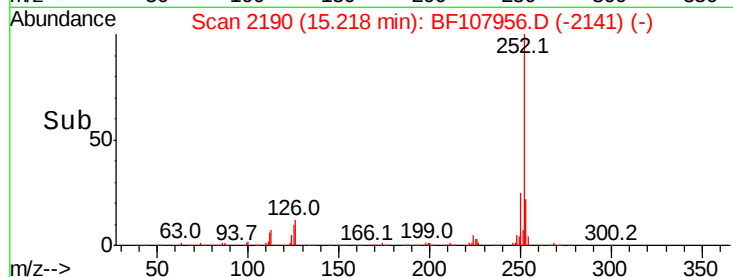
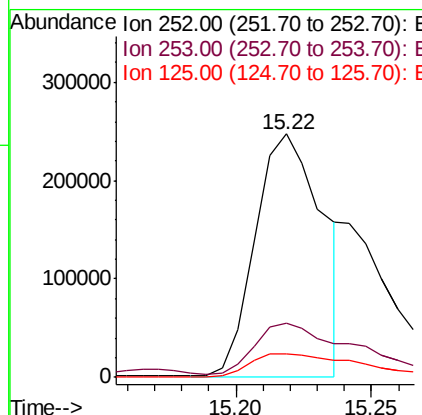
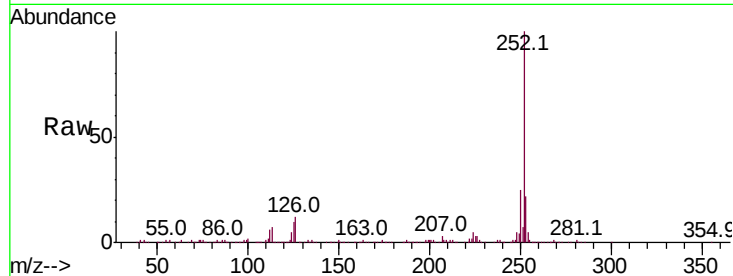
#87
Benzo(b)fluoranthene
Concen: 25.543 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampleId :
C-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	9.9	9.0	13.6

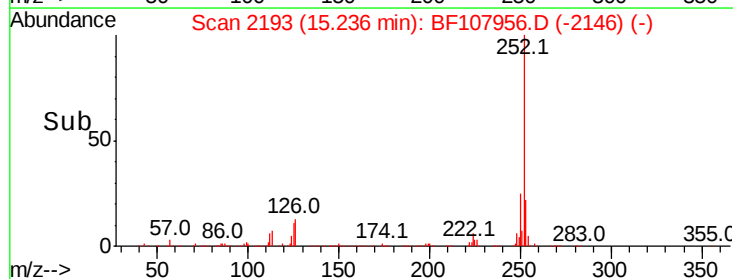
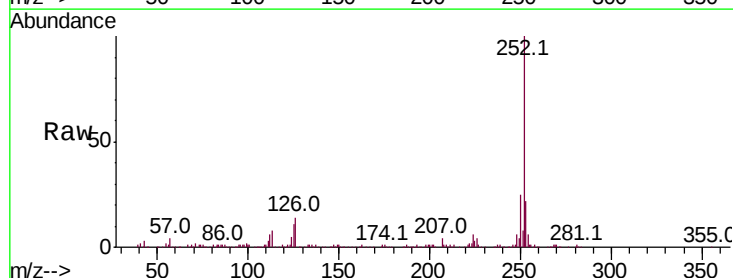
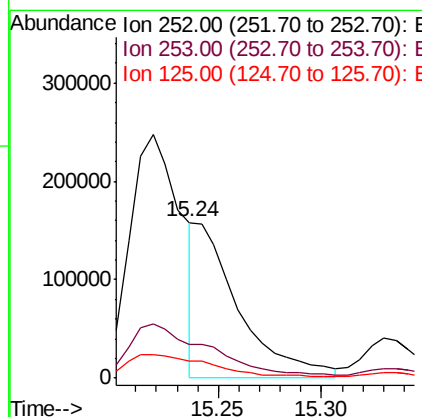
Manual Integrations
APPROVED

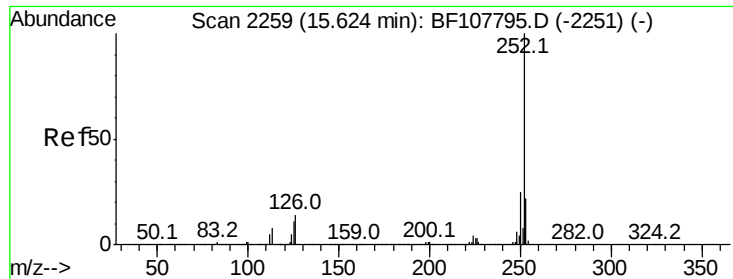
Sohil
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#88
Benzo(k)fluoranthene
Concen: 10.998 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.0	10.2	15.2





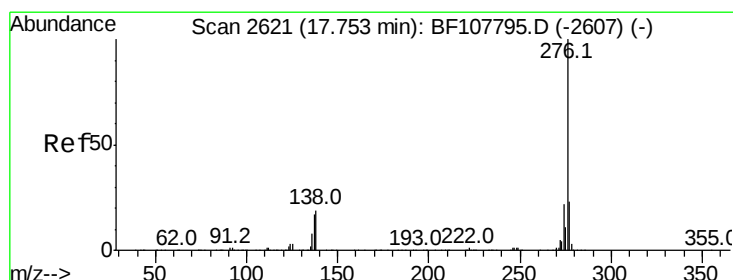
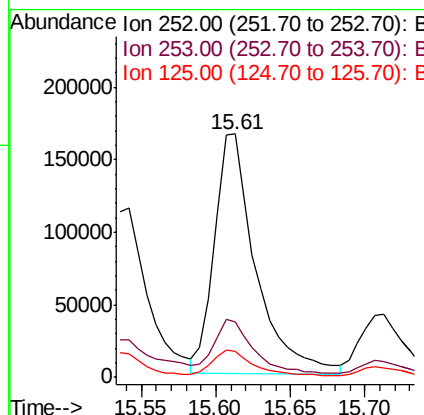
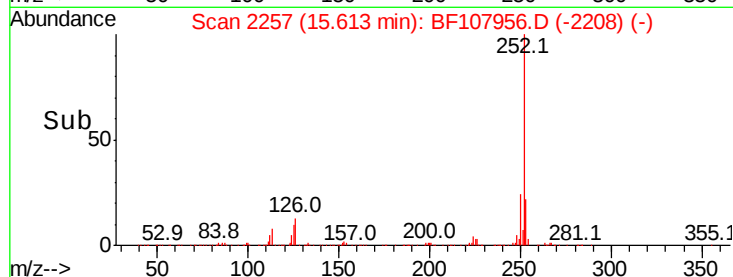
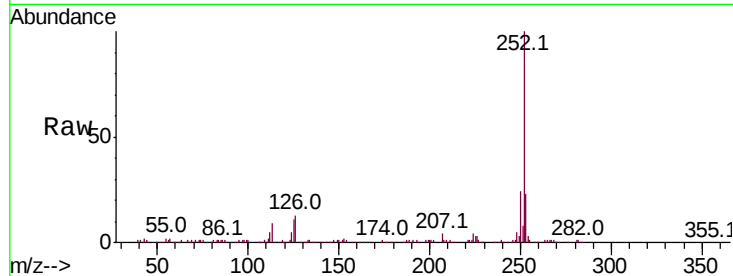
#89
Benzo(a)pyrene
Concen: 18.456 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Instrument :
BNA_F
ClientSampled :
C-2

Tot Ion:	252	Resp:	321105
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	10.6	9.8	14.6

Manual Integrations
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8/6/2018 5:05:56 PM



#91
Benzo(g,h,i)perylene
Concen: 8.629 ng
RT: 17.73 min Scan# 2617
Delta R.T. -0.02 min
Lab File: BF107956.D
Acq: 3 Aug 2018 23:37

Tgt Ion:	276	Resp:	126716
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.9	26.9
138	20.8	21.8	32.8#

