

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
 Data File : BF106597.D
 Acq On : 19 Jun 2018 22:04
 Operator : JU/SJ
 Sample : J3249-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-C

Manual Integrations
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 6/20/2018 4:58:41 PM

Quant Time: Jun 20 06:51:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	93657	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	319968	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	124007	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	229883	20.00	ng	0.00
75) Chrysene-d12	14.16	240	226042	20.00	ng	0.00
86) Perylene-d12	15.70	264	184563	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	128654	23.26	ng	0.00
7) Phenol-d6	6.60	99	152698	22.11	ng	0.00
23) Nitrobenzene-d5	7.52	82	88298	15.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	26130	18.18	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	158732	8.37	ng	0.00
78) Terphenyl-d14	13.08	244	180628	19.36	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.27	128	79220	5.296	ng	98
37) 2-Methylnaphthalene	8.96	142	41172	4.152	ng	97
48) Acenaphthylene	9.87	152	106708	8.688	ng	99
51) Acenaphthene	10.04	154	85931	11.111	ng	99
54) Dibenzofuran	10.21	168	107035	10.107	ng	98
57) Fluorene	10.55	166	169671	20.190	ng	100
70) Phenanthrene	11.53	178	1172882	105.782	ng	98
71) Anthracene	11.58	178	496049	43.831	ng	100
72) Carbazole	11.73	167	101797	9.607	ng	98
74) Fluoranthene	12.73	202	1941759	158.888	ng	95
77) Pyrene	12.96	202	1813522	121.665	ng	96
80) Benzo(a)anthracene	14.15	228	1277375	92.720	ng	95
82) Chrysene	14.19	228	1075186m	84.831	ng	
85) Indeno(1,2,3-cd)pyrene	17.28	276	451189	41.948	ng	# 88
87) Benzo(b)fluoranthene	15.25	252	1185021m	103.360	ng	
88) Benzo(k)fluoranthene	15.28	252	424407m	38.872	ng	
89) Benzo(a)pyrene	15.64	252	836980	82.121	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	113384	13.127	ng	92
91) Benzo(a,h,i)perylene	17.76	276	422558	50.051	ng	93

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

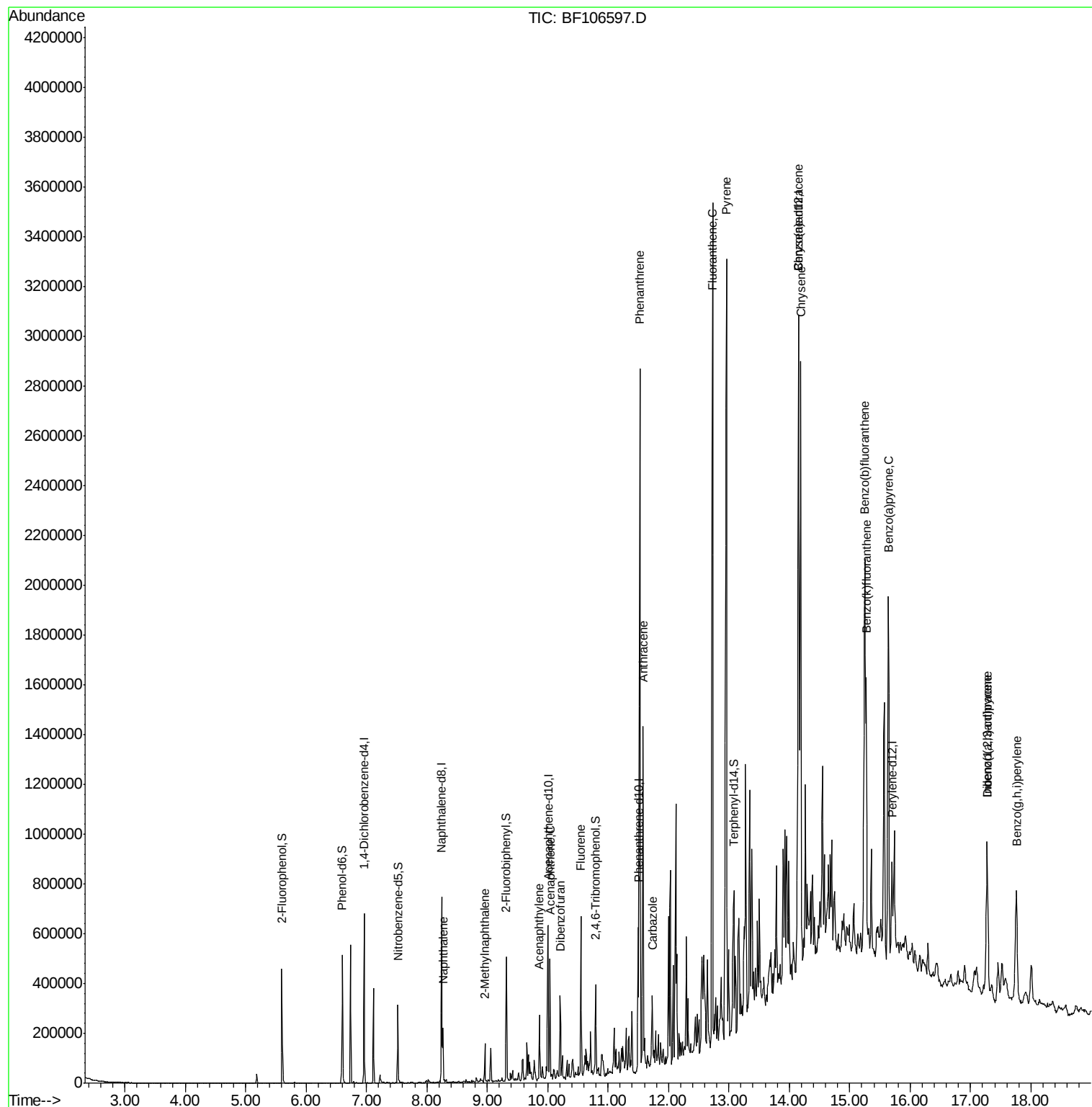
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
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ALS Vial : 18 Sample Multiplier: 1

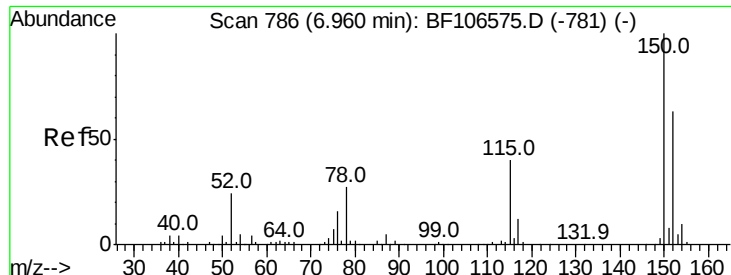
Instrument :
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PL-01-061818-C

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#1

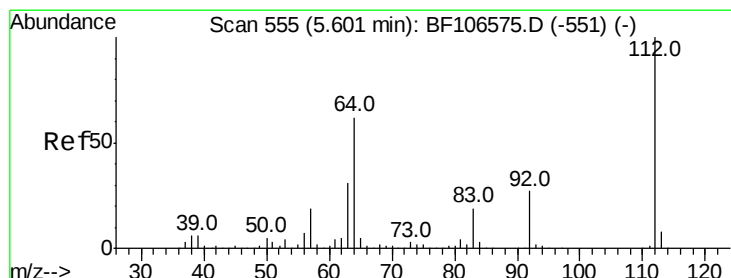
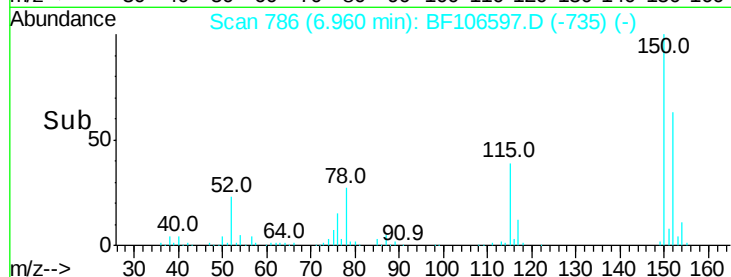
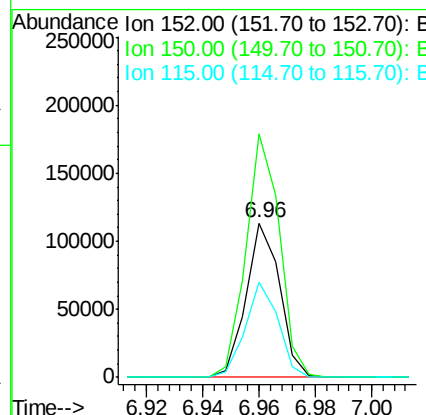
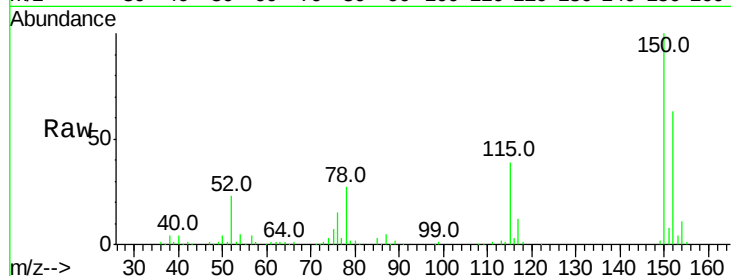
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	61.9	50.1	75.1

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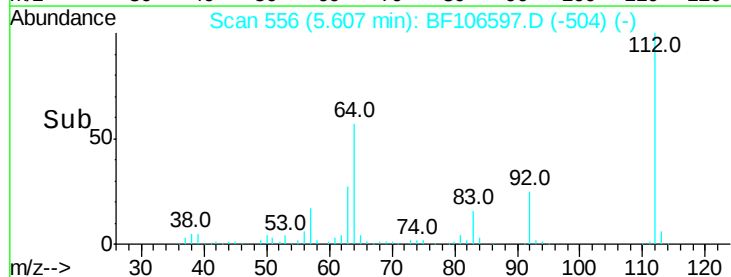
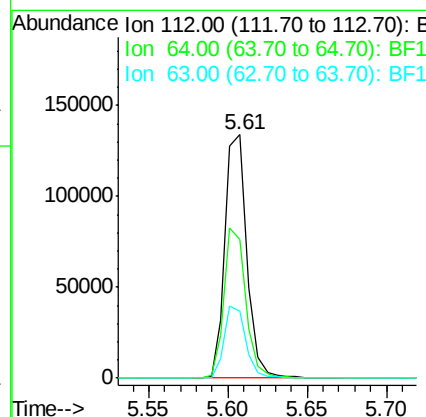
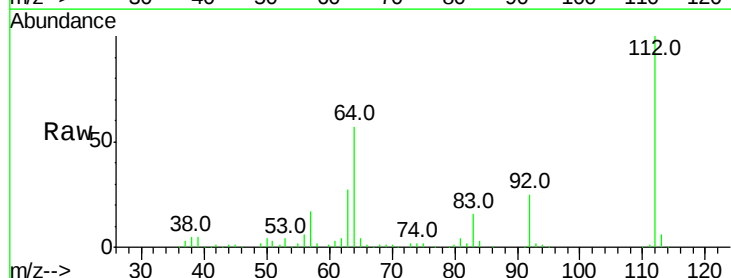
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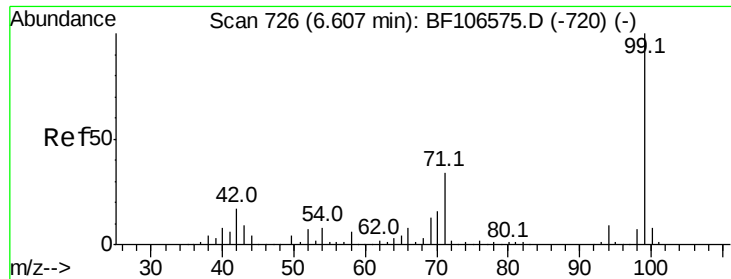


#5

2-Fluorophenol
Concen: 23.261 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 22.107 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Instrument :

BNA_F

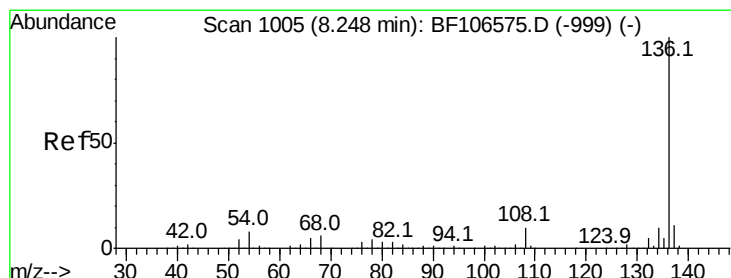
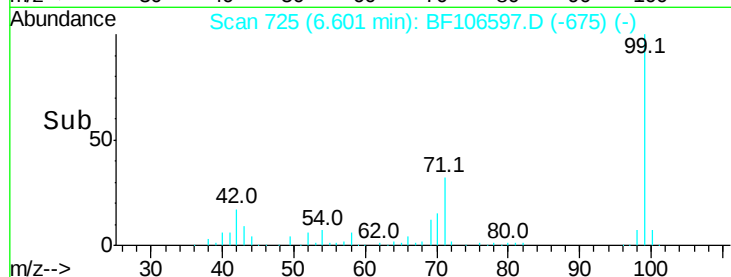
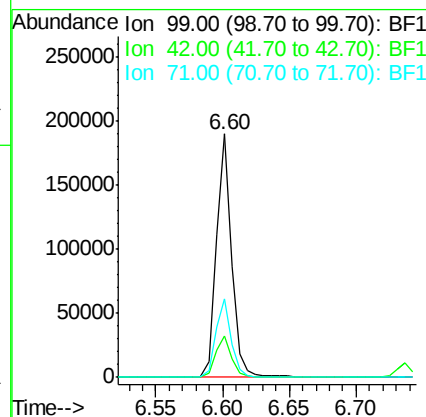
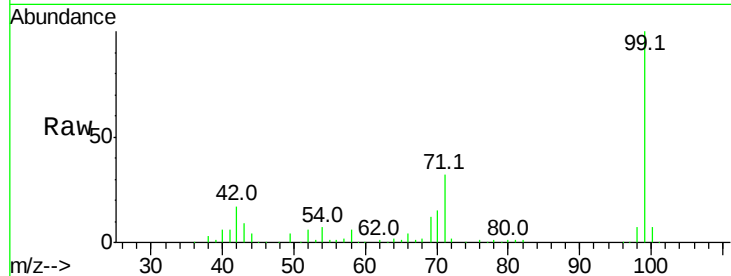
ClientSampleId :

PL-01-061818-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		152698		
42	16.8	14.5	21.7		
71	32.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

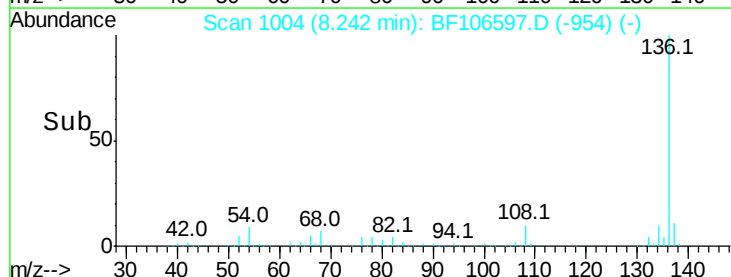
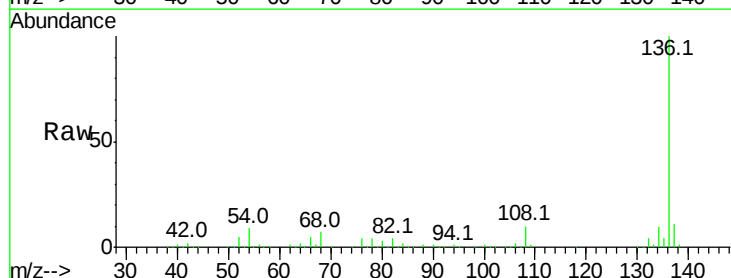
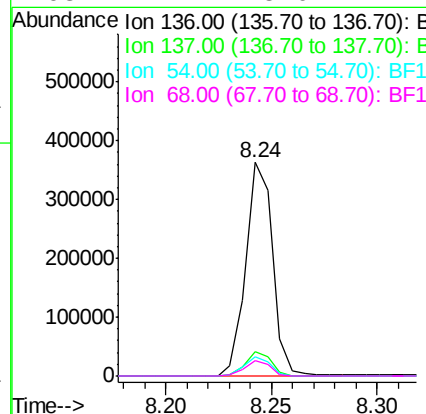
RT: 8.24 min Scan# 1004

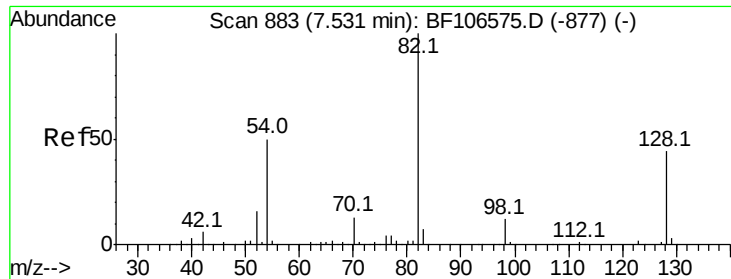
Delta R.T. -0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		319968		
137	11.2	8.9	13.3		
54	8.8	6.6	9.8		
68	7.1	5.0	7.4		





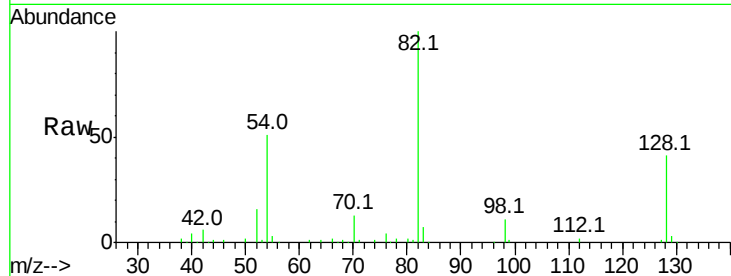
#23
Nitrobenzene-d5
Concen: 15.336 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

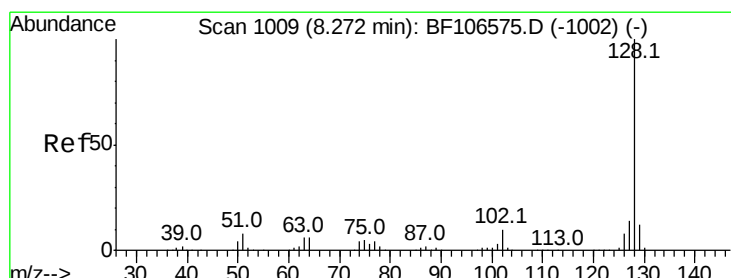
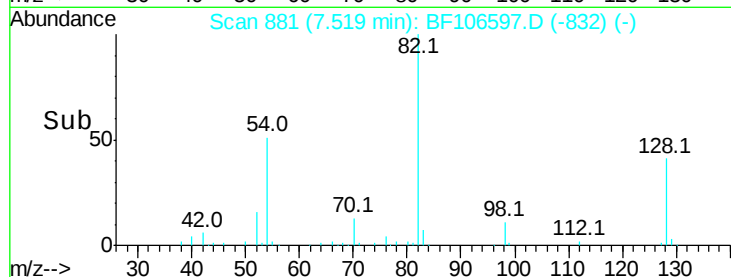
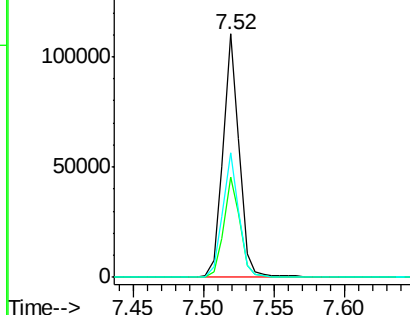
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	36.1	54.1	
54	51.1	41.4	62.2	

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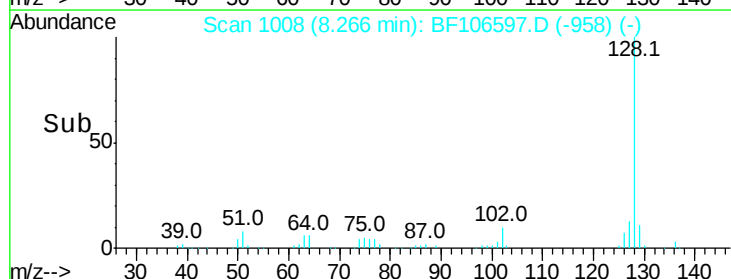
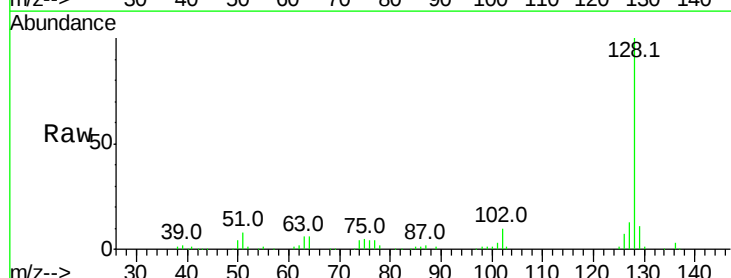
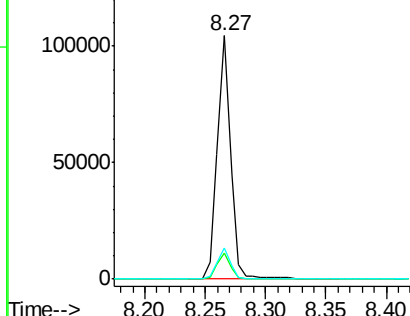
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

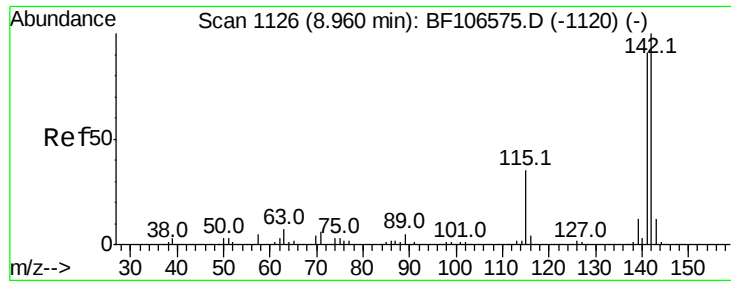


#31
Naphthalene
Concen: 5.296 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	8.8	13.2	
127	12.7	10.9	16.3	

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





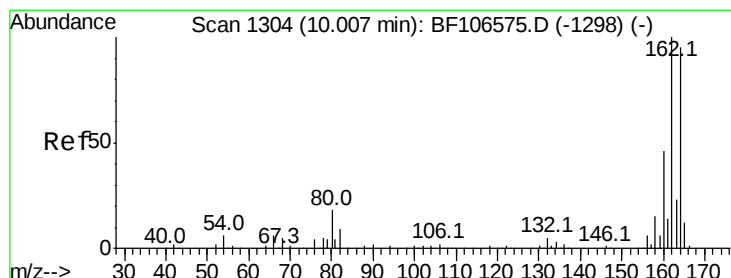
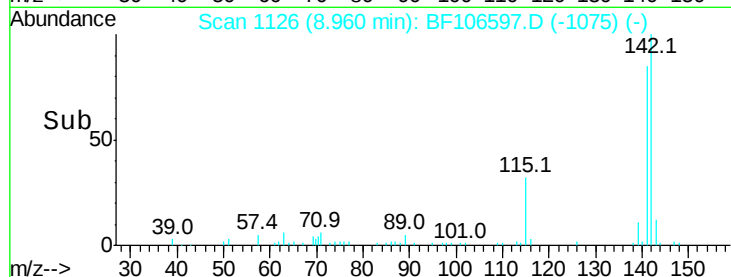
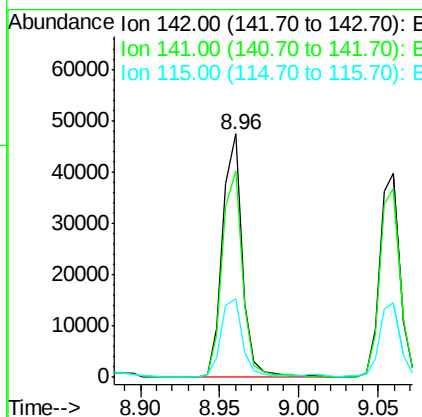
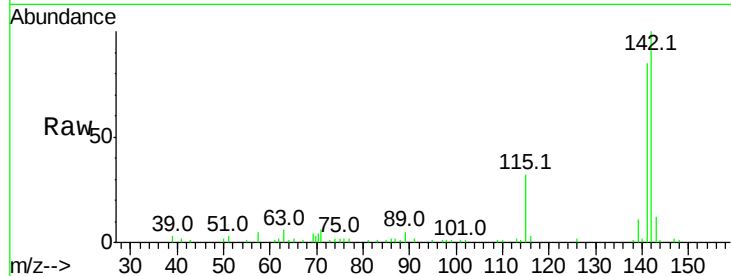
#37
2-Methylnaphthalene
Concen: 4.152 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.6	70.8	106.2
115	32.2	26.1	39.1

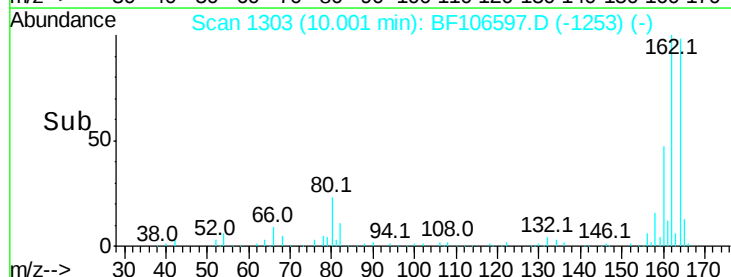
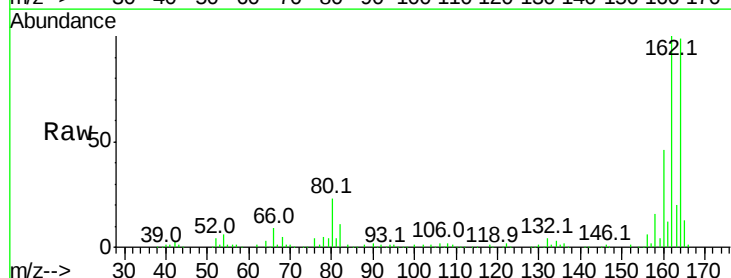
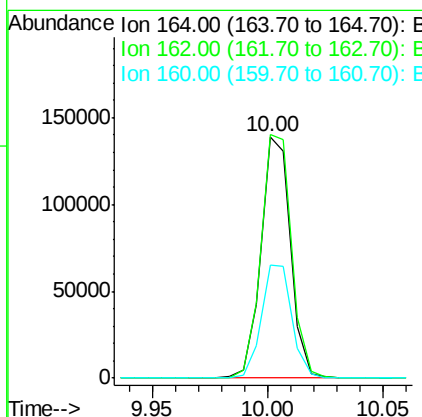
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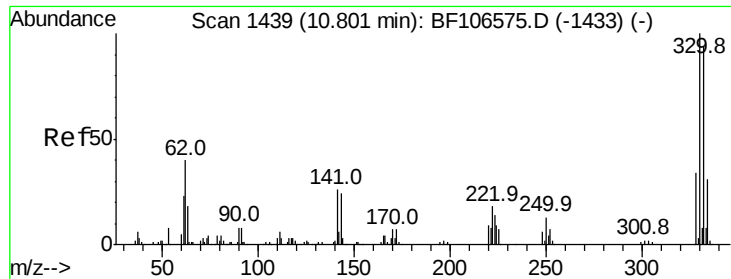
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	46.9	38.3	57.5





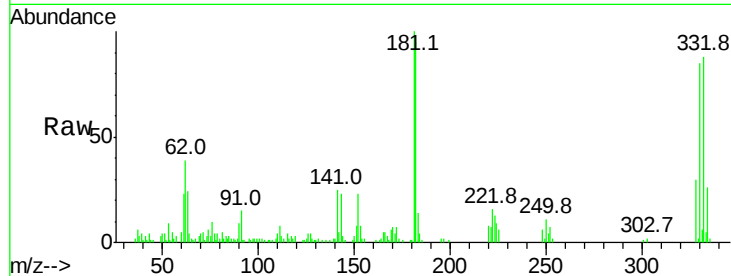
#41
 2,4,6-Tribromophenol
 Concen: 18.180 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26130		
332	99.2	77.0	115.6	
141	33.4	29.9	44.9	

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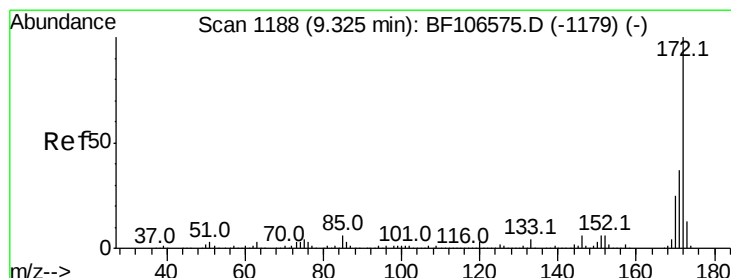
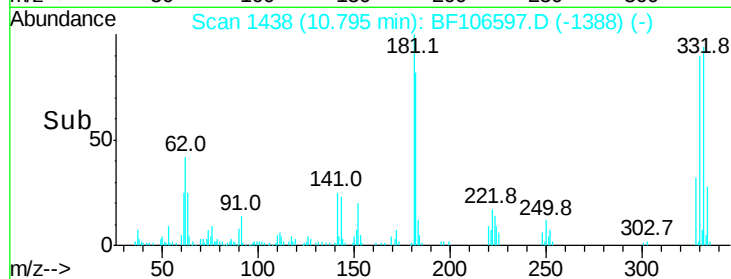
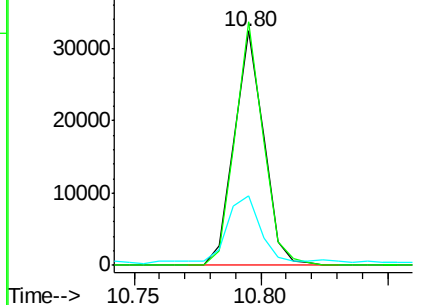


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 8.367 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

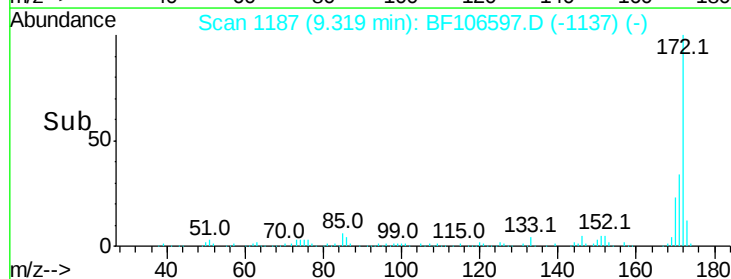
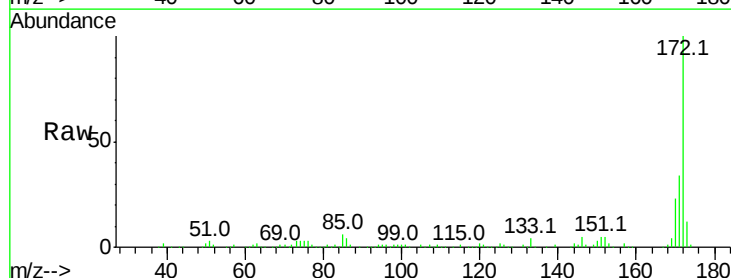
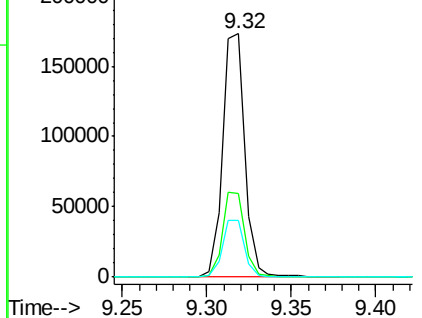
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	158732		
171	34.1	29.7	44.5	
170	23.5	19.6	29.4	

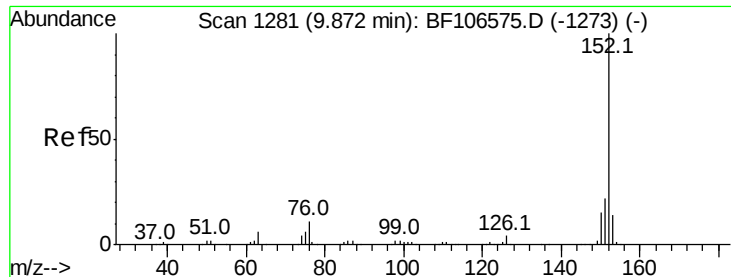
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 8.688 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Instrument :

BNA_F

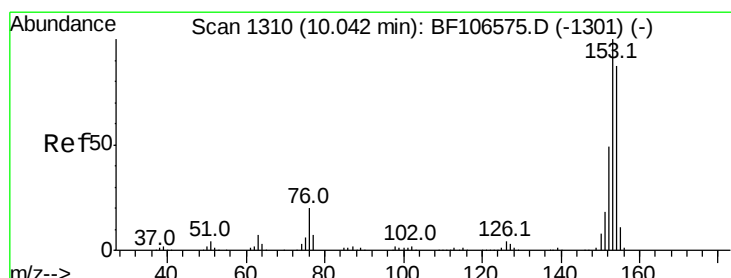
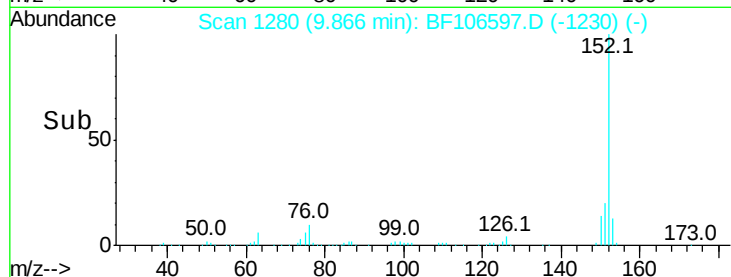
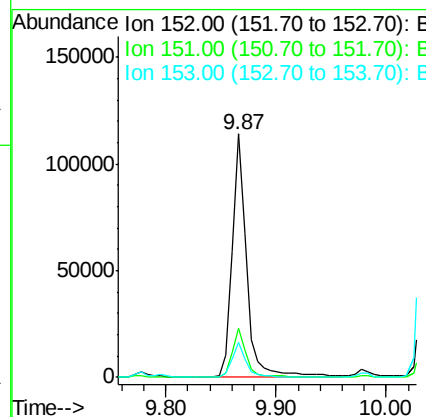
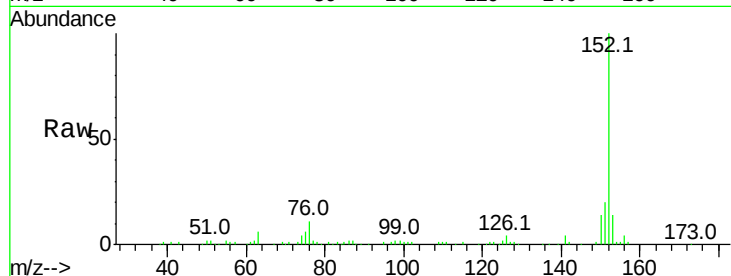
ClientSampleId :

PL-01-061818-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	106708		
151	20.0		16.3	24.5
153	14.1		10.7	16.1

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#51

Acenaphthene

Concen: 11.111 ng

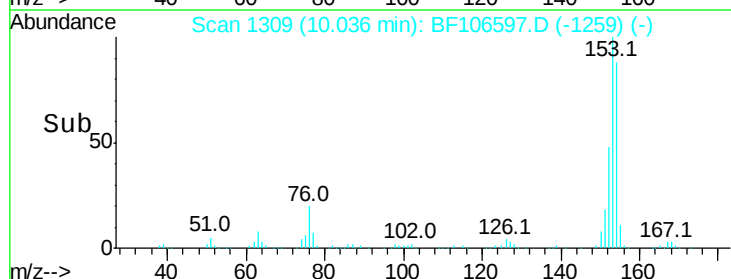
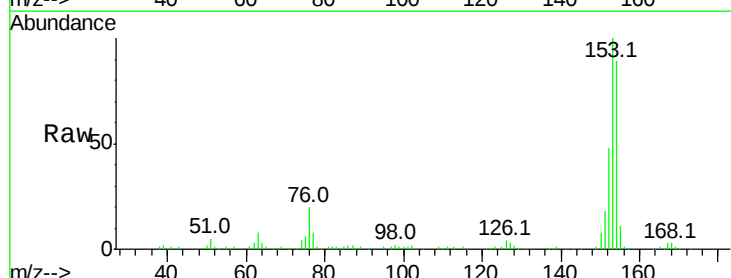
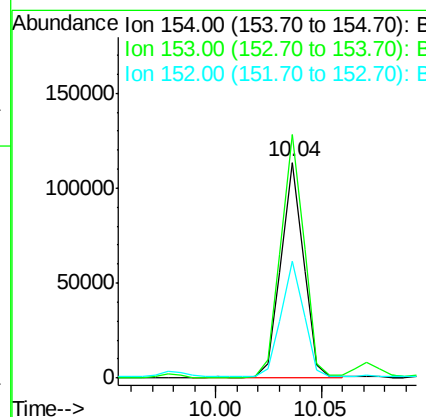
RT: 10.04 min Scan# 1309

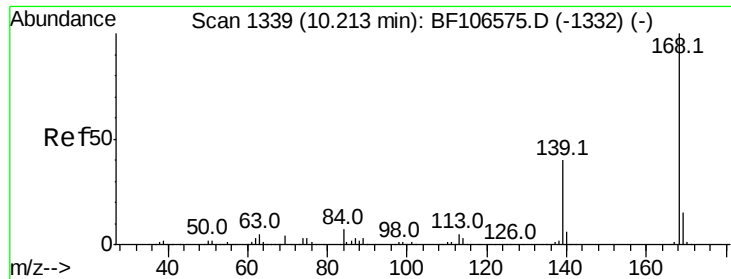
Delta R.T. -0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	85931		
153	112.8		91.2	136.8
152	54.1		43.8	65.8





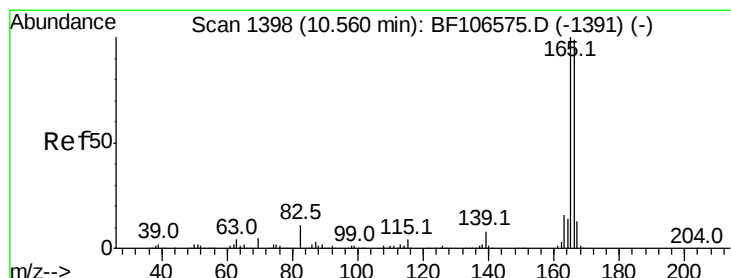
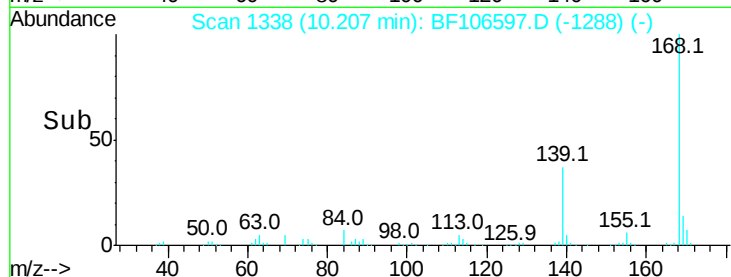
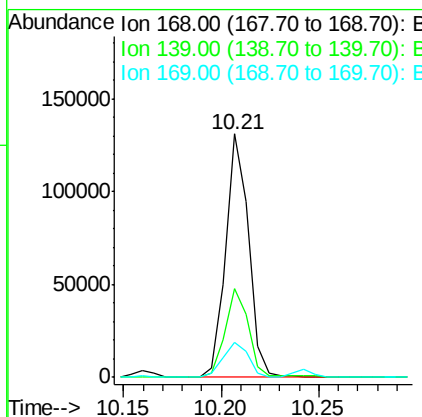
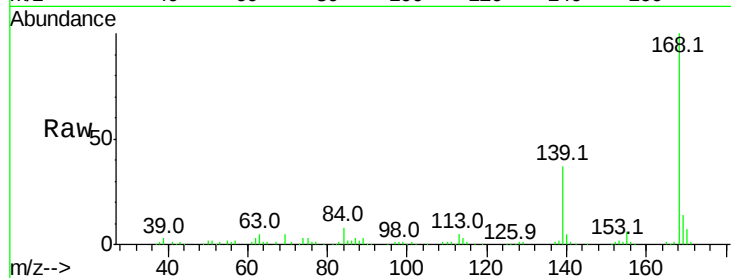
#54
Dibenzenofuran
Concen: 10.107 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	36.7		30.1	45.1
169	14.5		10.9	16.3

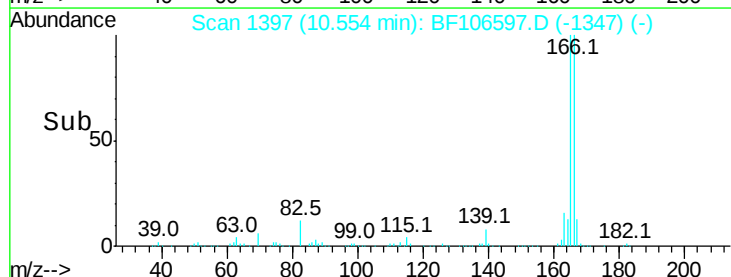
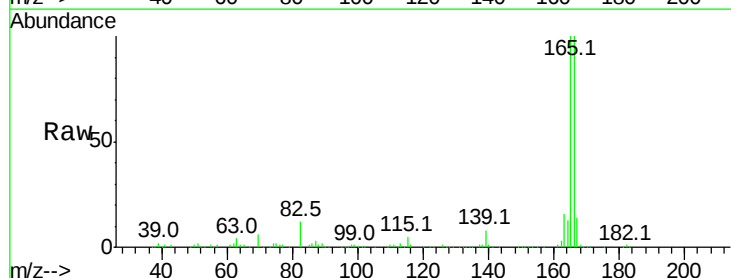
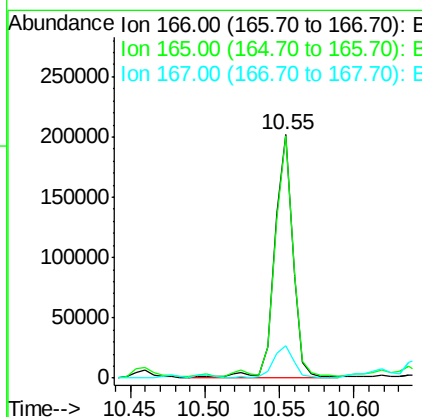
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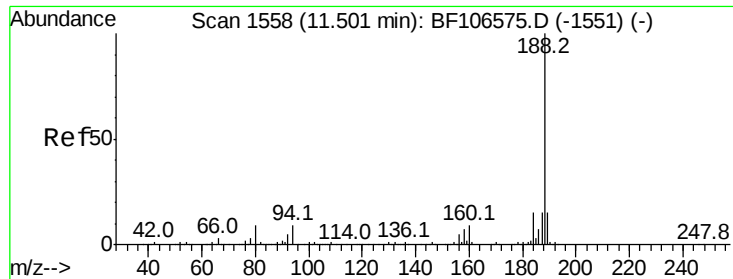
Sohil
6/20/2018 4:58:41 PM



#57
Fluorene
Concen: 20.190 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.6		79.8	119.8
167	13.6		10.6	16.0





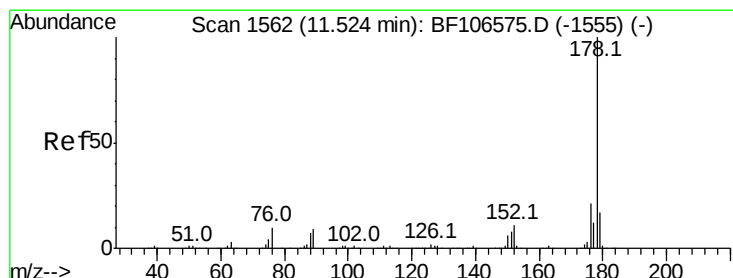
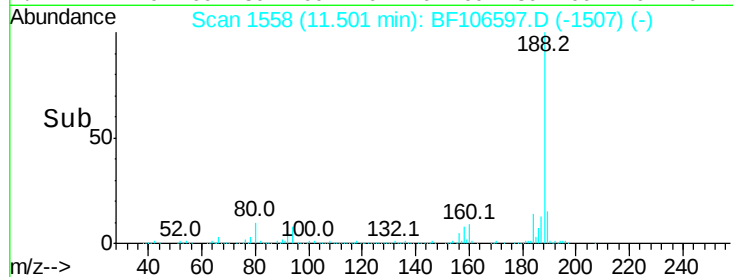
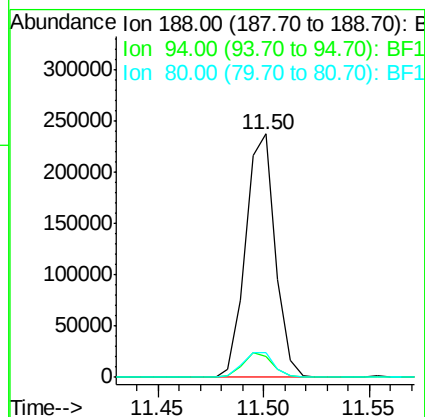
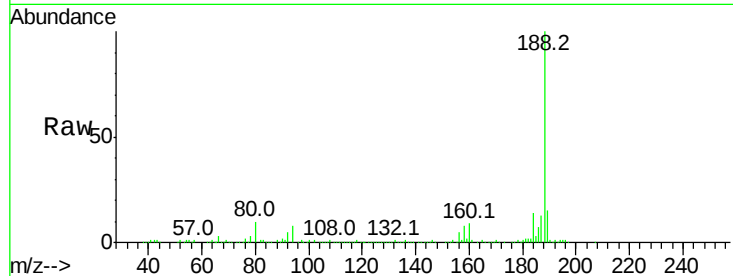
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	229883		
94	8.4		8.5	12.7#
80	10.2		9.2	13.8

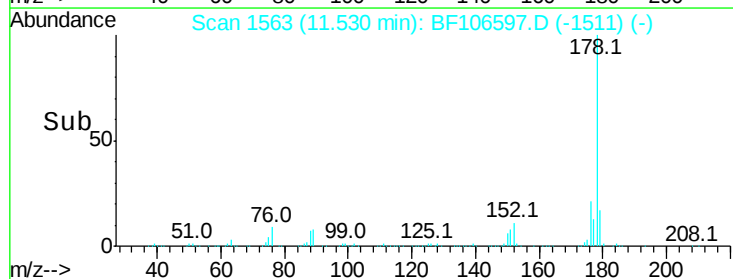
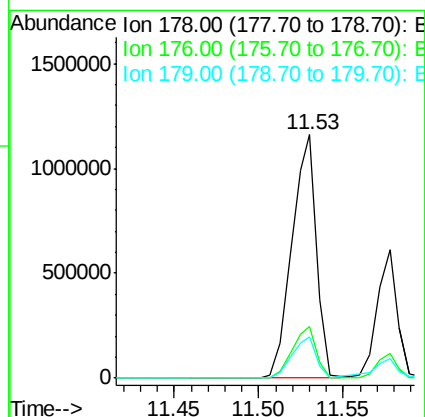
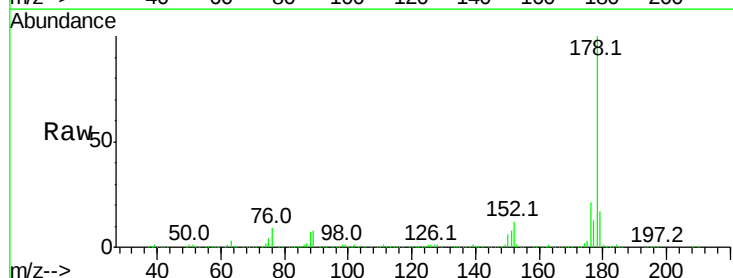
Manual Integrations
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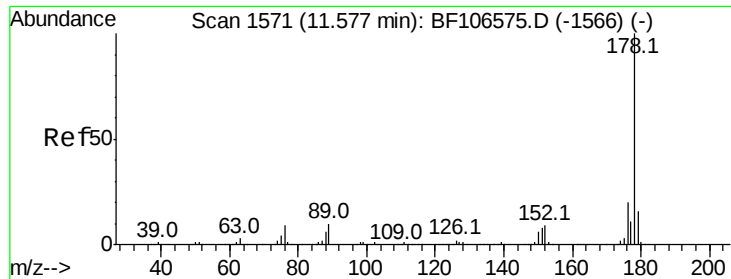
Sohil
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#70
 Phenanthrene
 Concen: 105.782 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1172882		
176	21.4		15.8	23.8
179	16.8		13.0	19.6





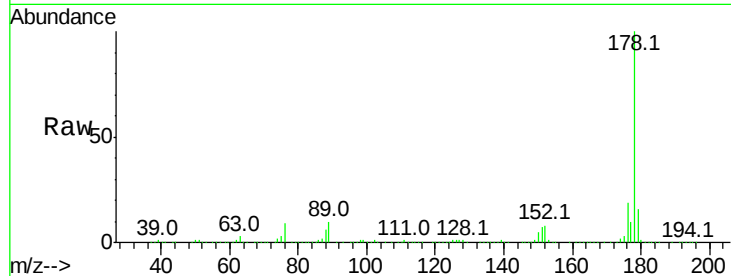
#71
 Anthracene
 Concen: 43.831 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-C

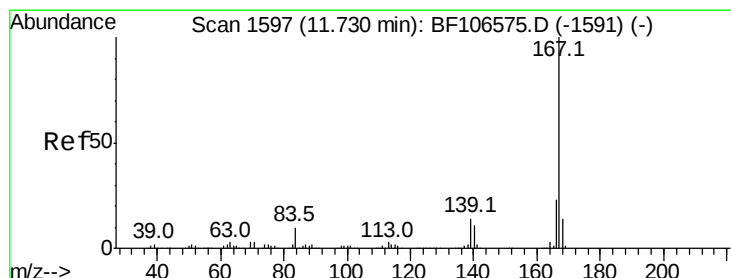
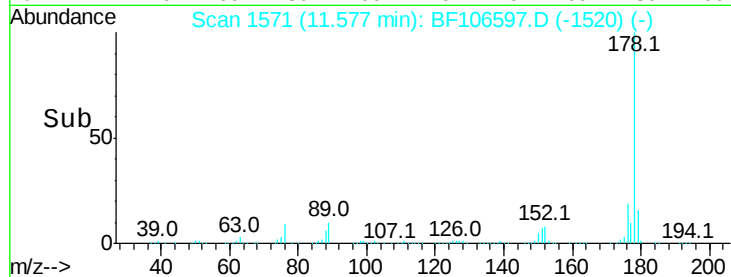
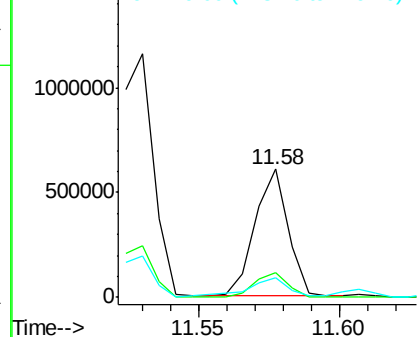
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
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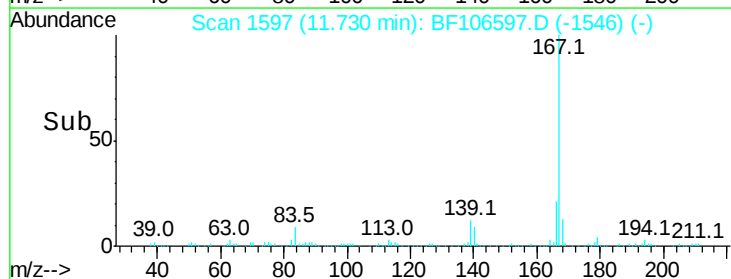
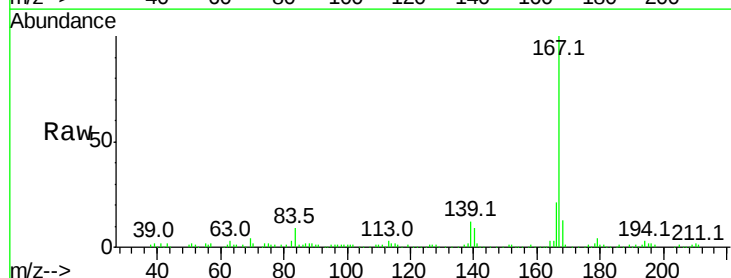
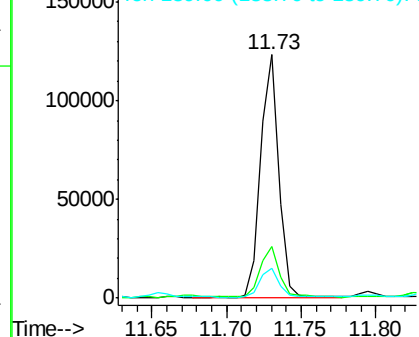
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

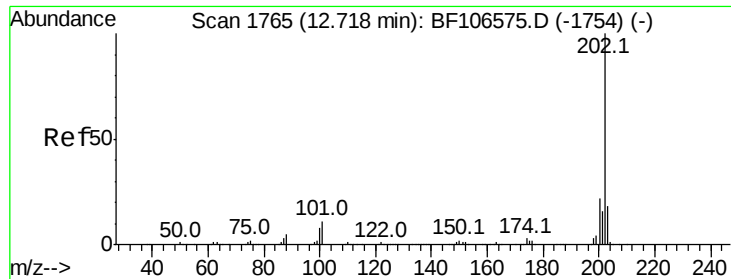


#72
 Carbazole
 Concen: 9.607 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	12.5	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 158.888 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-C

Tot Ion:202 Resp: 1941759

Ion Ratio Lower Upper

202 100

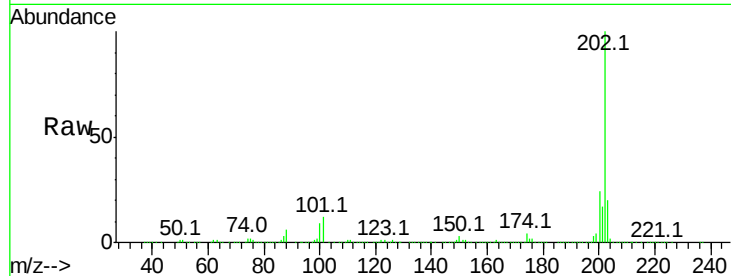
101 11.5 0.0 34.1

203 20.1 0.0 38.1

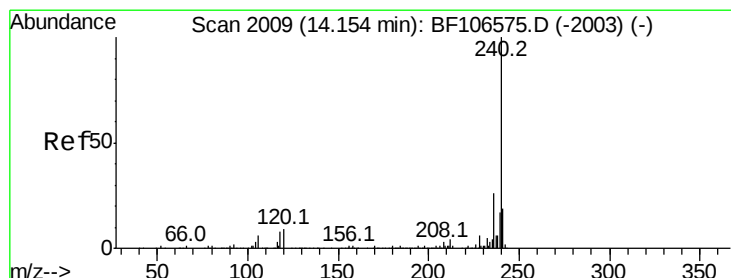
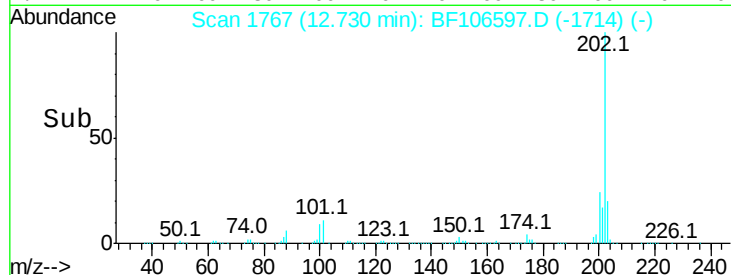
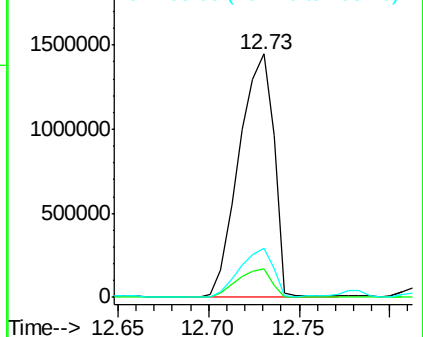
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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

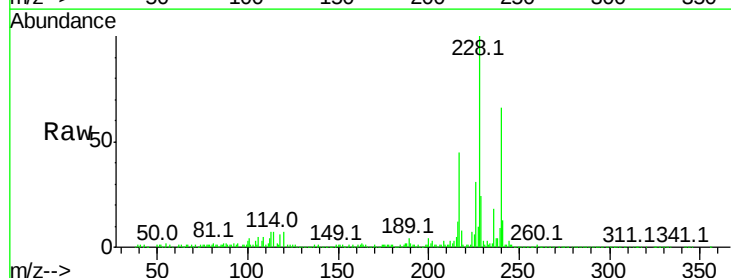
Tgt Ion:240 Resp: 226042

Ion Ratio Lower Upper

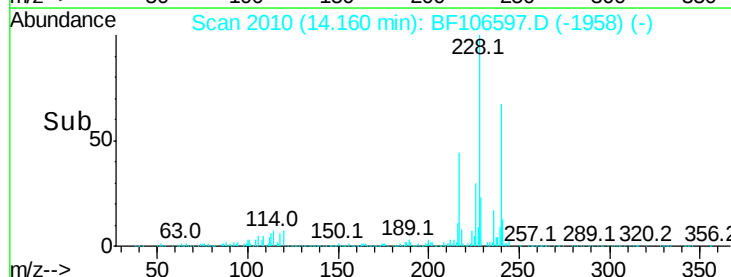
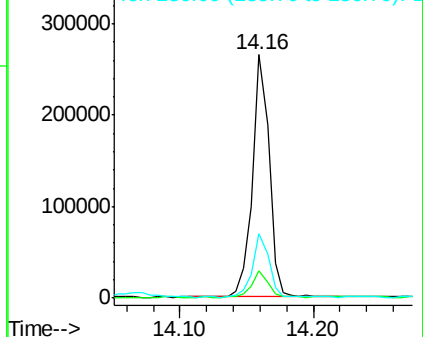
240 100

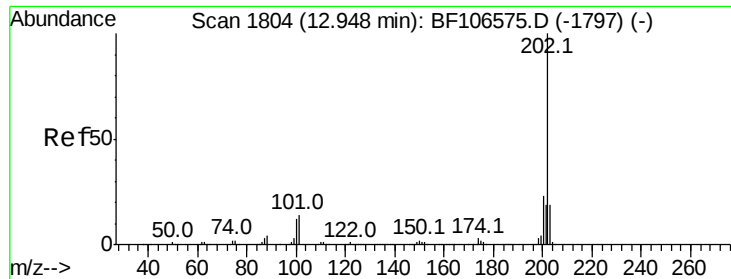
120 11.1 9.5 14.3

236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
300000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





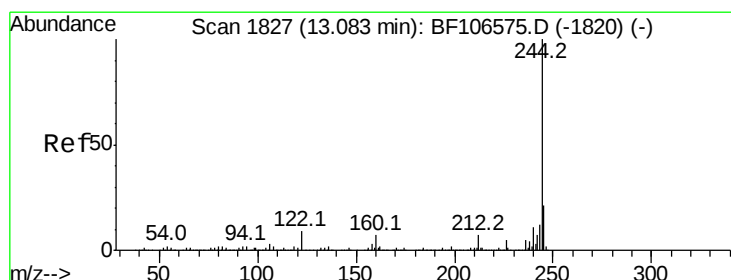
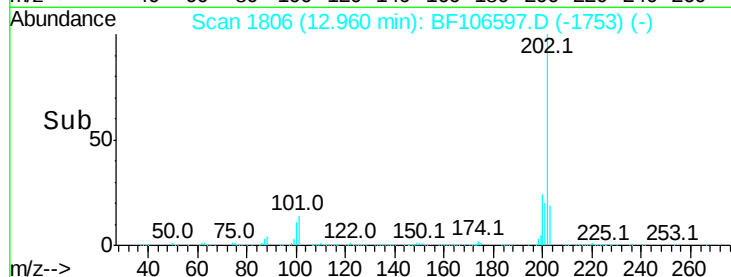
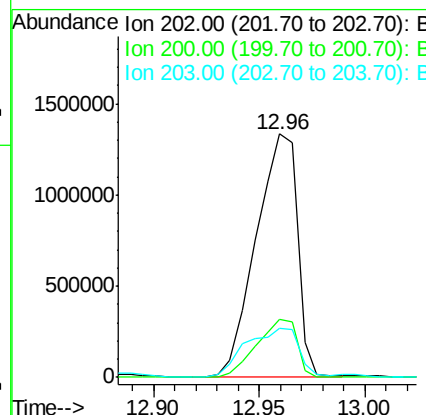
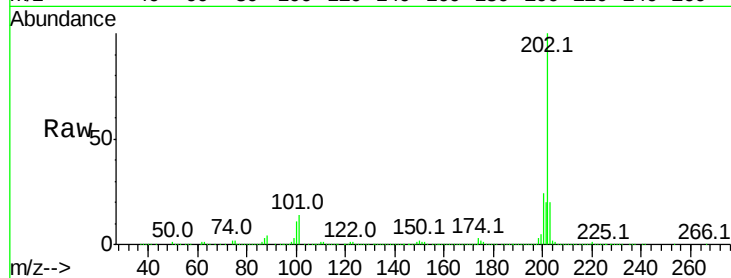
#77
Pvrene
Concen: 121.665 ng
RT: 12.96 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion:202 Resp: 1813522
Ion Ratio Lower Upper
202 100
200 23.6 17.4 26.2
203 20.0 14.3 21.5

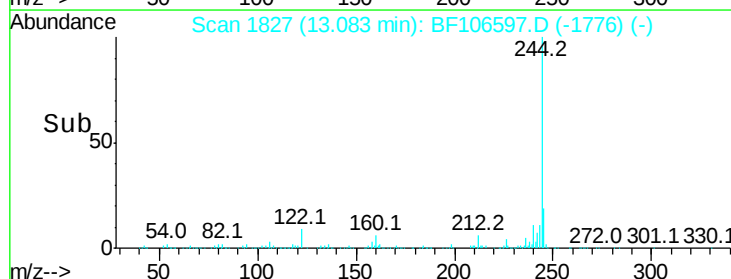
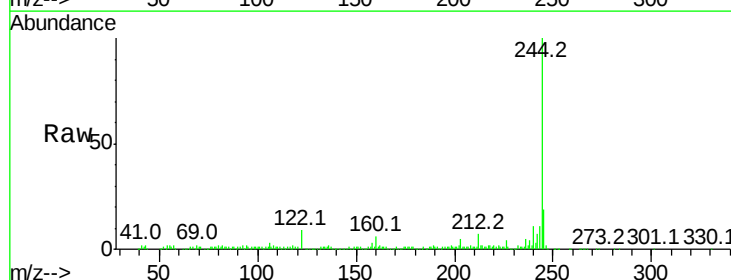
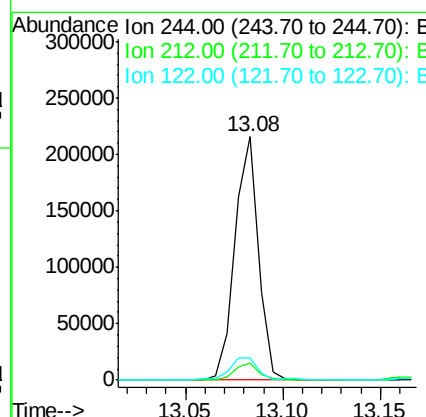
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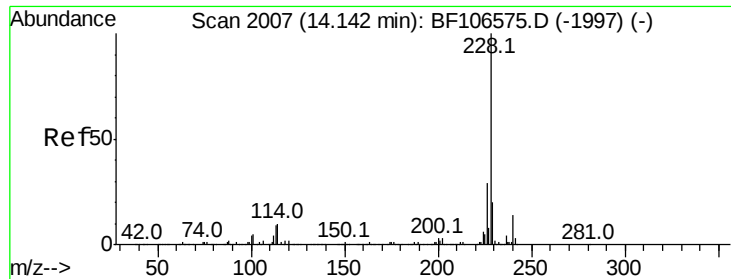
Sohil
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#78
Terphenyl-d14
Concen: 19.356 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion:244 Resp: 180628
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.2 11.0 16.4#





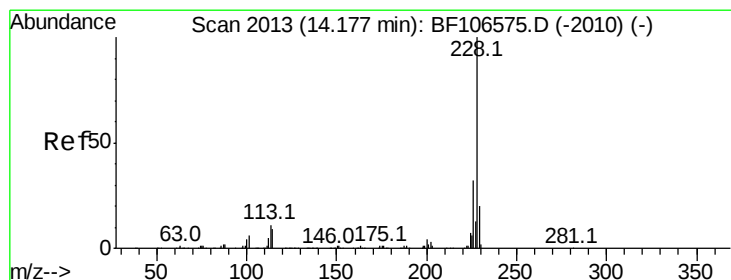
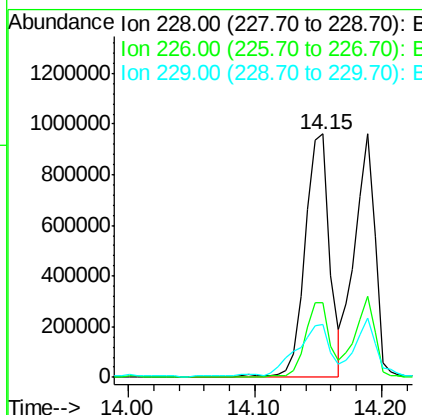
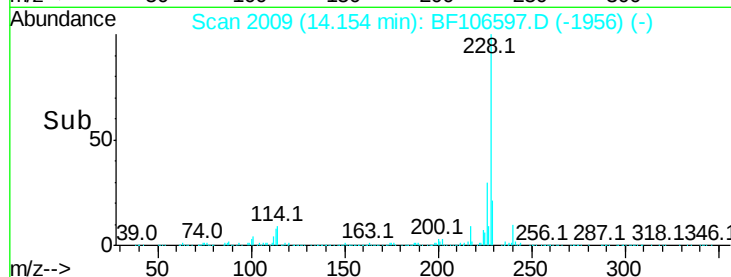
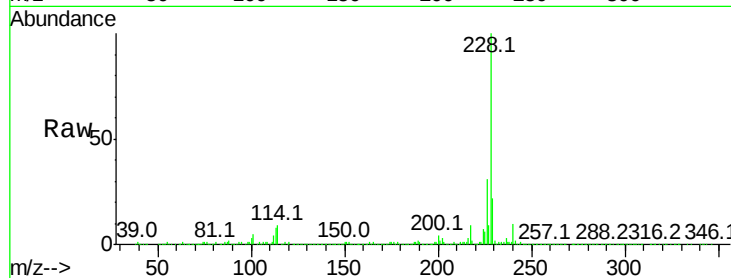
#80
Benzo(a)anthracene
Concen: 92.720 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion:228 Resp: 1277375
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 21.9 15.8 23.6

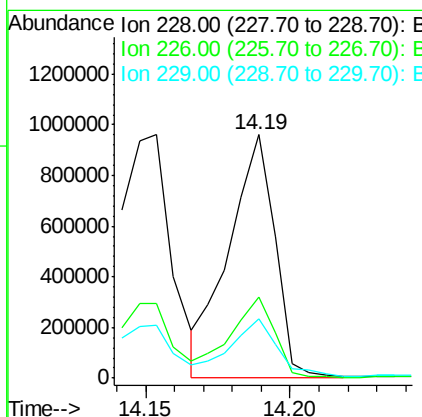
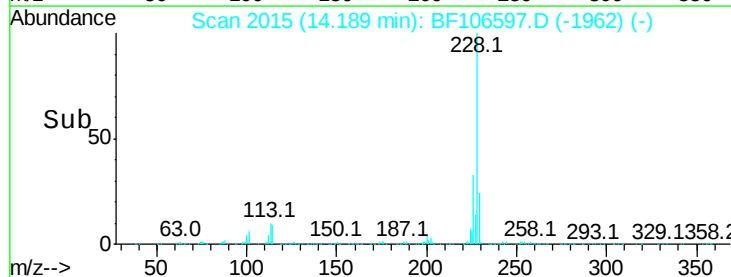
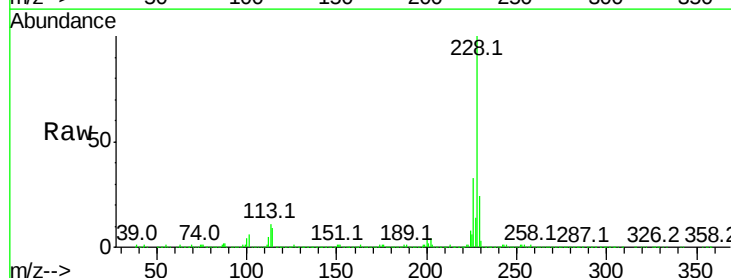
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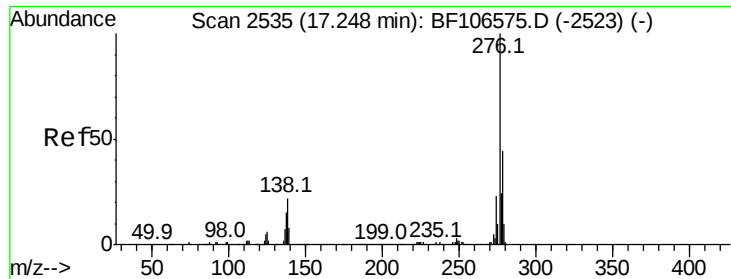
Sohil
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#82
Chrysene
Concen: 84.831 ng m
RT: 14.19 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion:228 Resp: 1075186
Ion Ratio Lower Upper
228 100
226 33.1 25.0 37.6
229 24.4 16.2 24.4#





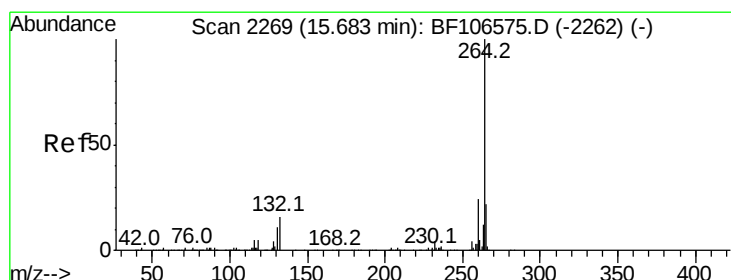
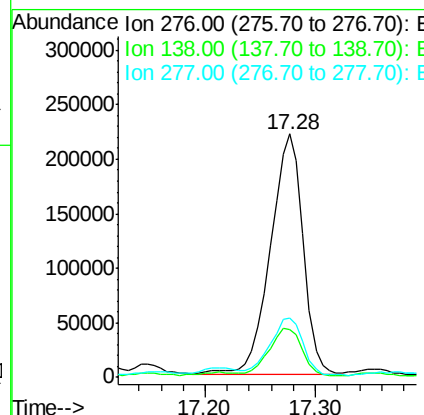
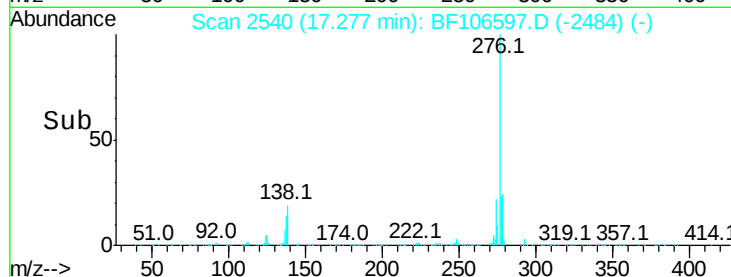
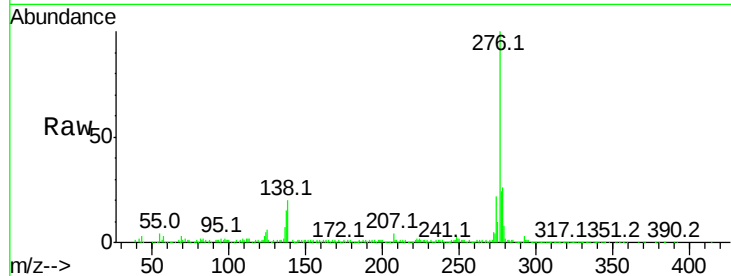
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.948 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. 0.03 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	25.0	37.6#
277	24.4	20.1	30.1

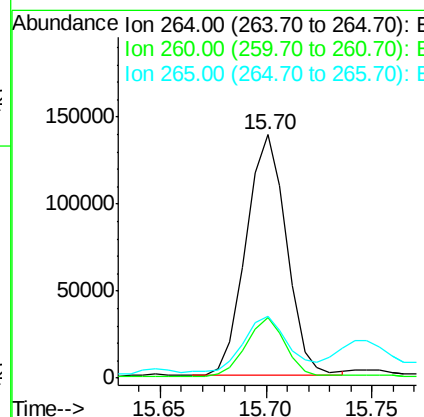
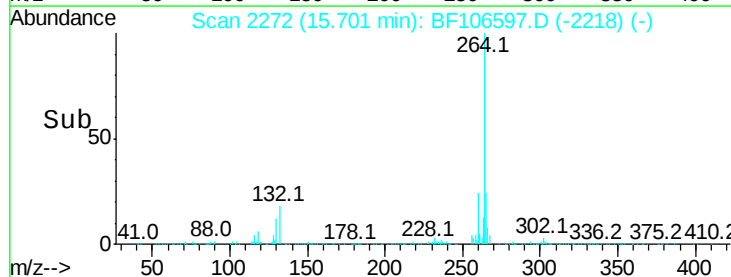
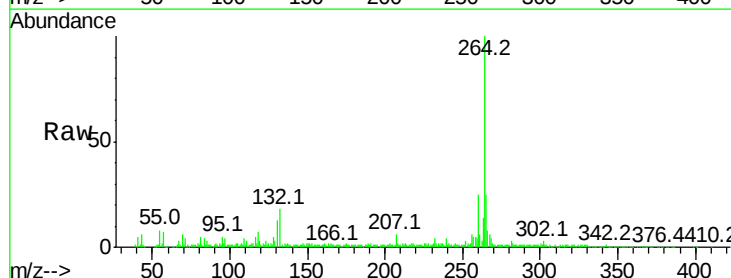
Manual Integrations
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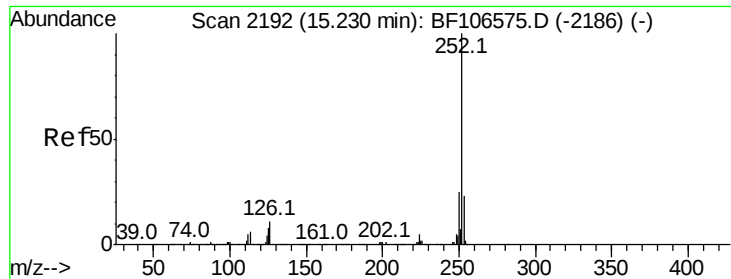
Sohil
 6/20/2018 4:58:41 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. 0.02 min
 Lab File: BF106597.D
 Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	25.3	17.5	26.3





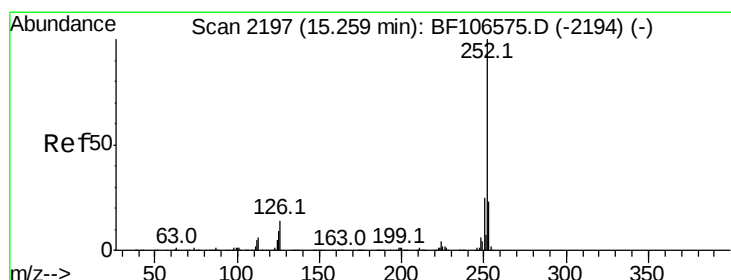
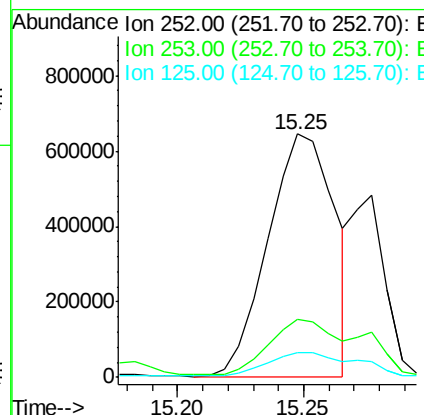
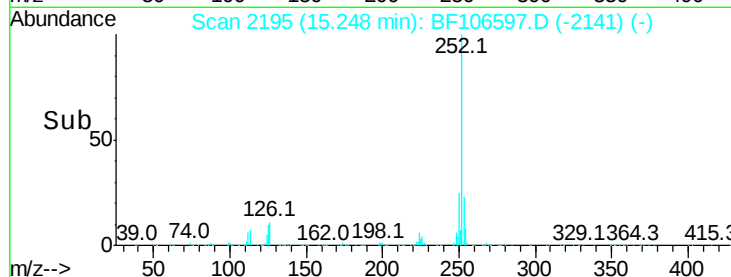
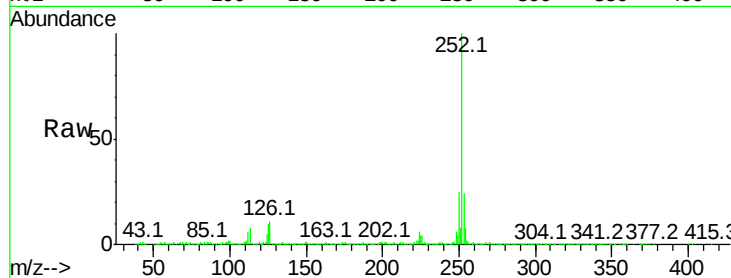
#87
Benzo(b)fluoranthene
Concen: 103.360 ng m
RT: 15.25 min Scan# 2195
Delta R.T. 0.02 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion:252 Resp: 1185021
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 10.0 9.0 13.6

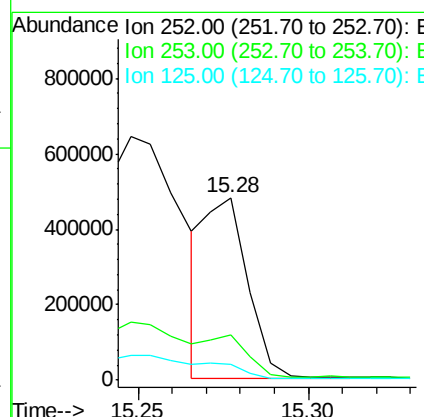
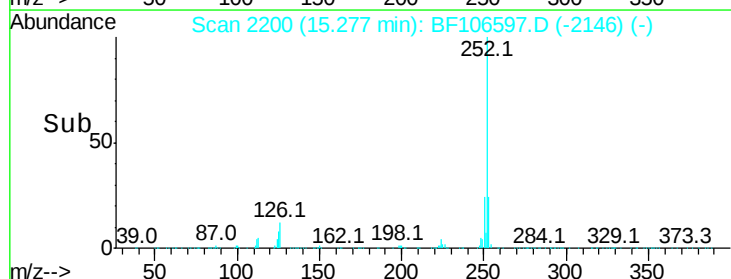
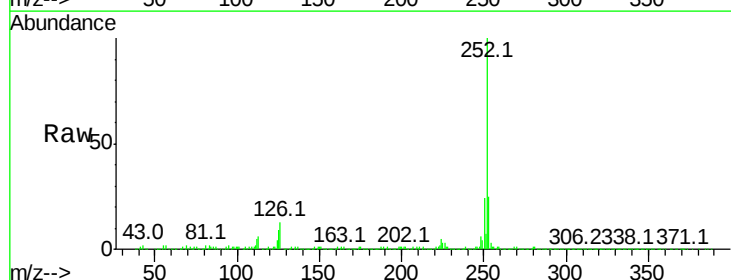
Manual Integrations
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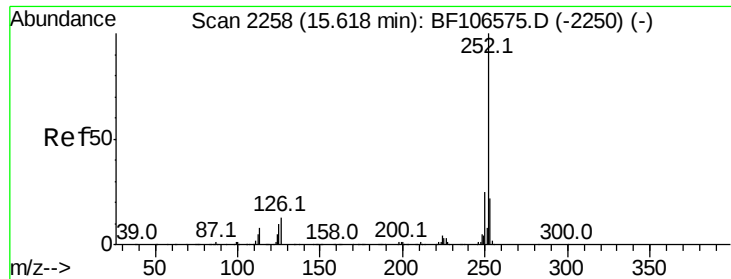
Sohil
6/20/2018 4:58:41 PM



#88
Benzo(k)fluoranthene
Concen: 38.872 ng m
RT: 15.28 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion:252 Resp: 424407
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 8.9 10.2 15.2#





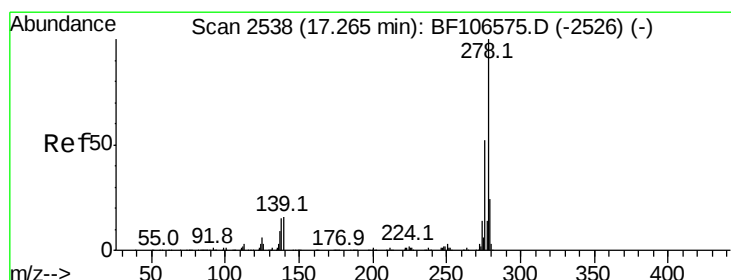
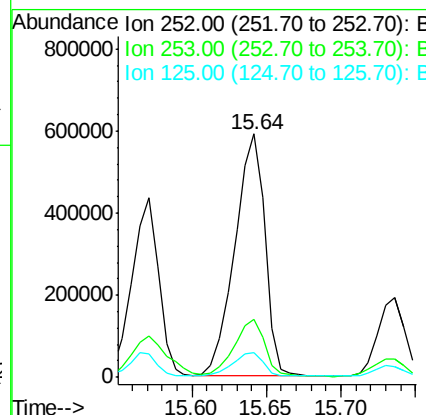
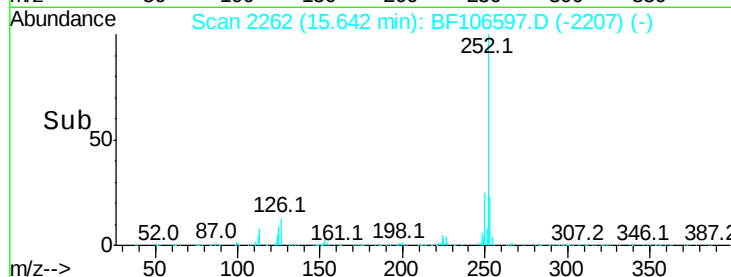
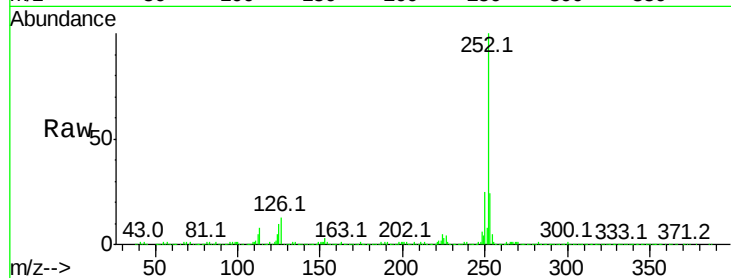
#89
Benzo(a)pyrene
Concen: 82.121 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.0	9.8	14.6

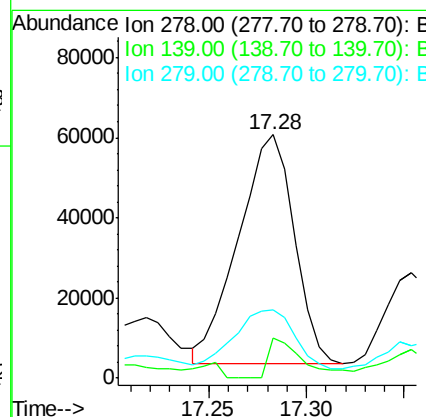
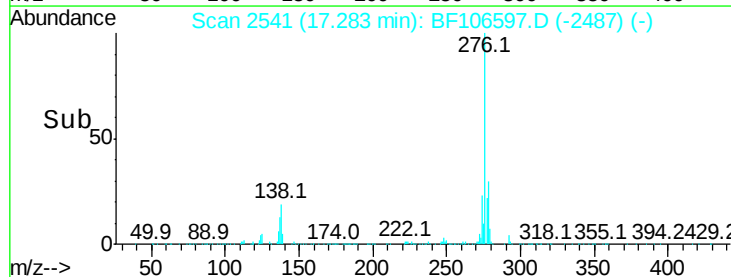
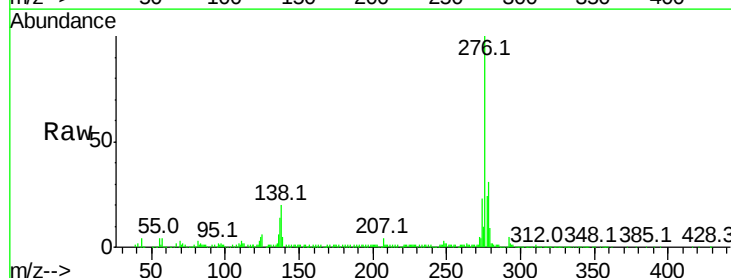
Manual Integrations
APPROVED

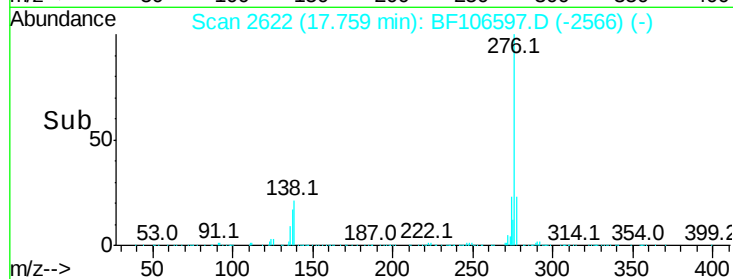
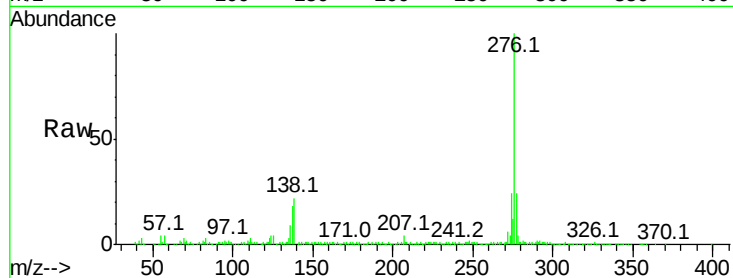
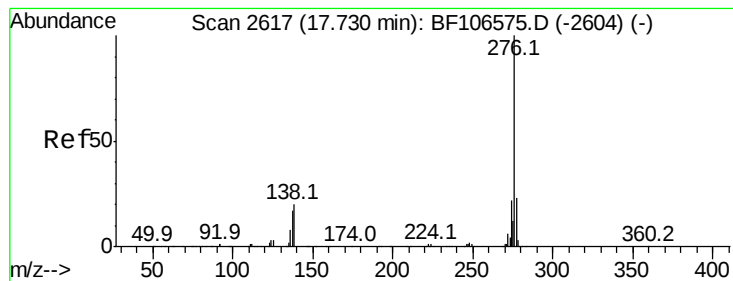
Sohil
6/20/2018 4:58:41 PM



#90
Dibenzo(a,h)anthracene
Concen: 13.127 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF106597.D
Acq: 19 Jun 2018 22:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	15.9	23.9
279	28.2	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 50.051 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.03 min

Lab File: BF106597.D

Acq: 19 Jun 2018 22:04

Instrument :

BNA_F

ClientSampleId :

PL-01-061818-C

Tot Ion: 276 Resp: 422558

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 22.1 21.8 32.8

Manual Integrations

APPROVED

Sohil

6/20/2018 4:58:41 PM

