

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106796.D
 Acq On : 26 Jun 2018 2:18
 Operator : JU/SJ
 Sample : J3642-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Manual Integrations
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Sohil
 6/27/2018 10:56:00 AM

Quant Time: Jun 26 05:41:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	54622	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	185262	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	78540	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	149074	20.00	ng	0.00
75) Chrysene-d12	14.15	240	134121	20.00	ng	-0.02
86) Perylene-d12	15.69	264	101106	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	345245	107.03	ng	0.00
7) Phenol-d6	6.61	99	423682	105.18	ng	0.00
23) Nitrobenzene-d5	7.52	82	259670	77.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	106450	116.94	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	399875	86.42	ng	0.00
78) Terphenyl-d14	13.08	244	444786	80.33	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	45544	5.258	ng	99
37) 2-Methylnaphthalene	8.95	142	23912	4.165	ng	94
49) Dimethylphthalate	9.71	163	59674	10.130	ng	# 98
51) Acenaphthene	10.04	154	92472	18.878	ng	98
54) Dibenzofuran	10.21	168	63472	9.463	ng	94
57) Fluorene	10.55	166	90010	16.911	ng	99
70) Phenanthrene	11.52	178	313493	43.600	ng	99
71) Anthracene	11.57	178	89676	12.219	ng	99
72) Carbazole	11.73	167	14035	2.043	ng	99
74) Fluoranthene	12.72	202	391058	49.345	ng	95
77) Pyrene	12.95	202	319199	36.091	ng	100
80) Benzo(a)anthracene	14.14	228	87429	10.696	ng	98
82) Chrysene	14.17	228	80469	10.700	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	14174	3.049	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.25	276	17673m	2.769	ng	
87) Benzo(b)fluoranthene	15.23	252	63797m	10.158	ng	
88) Benzo(k)fluoranthene	15.25	252	18037m	3.016	ng	
89) Benzo(a)pyrene	15.62	252	33117	5.931	ng	94
91) Benzo(a,h,i)perylene	17.74	276	20132	4.353	ng	# 87

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

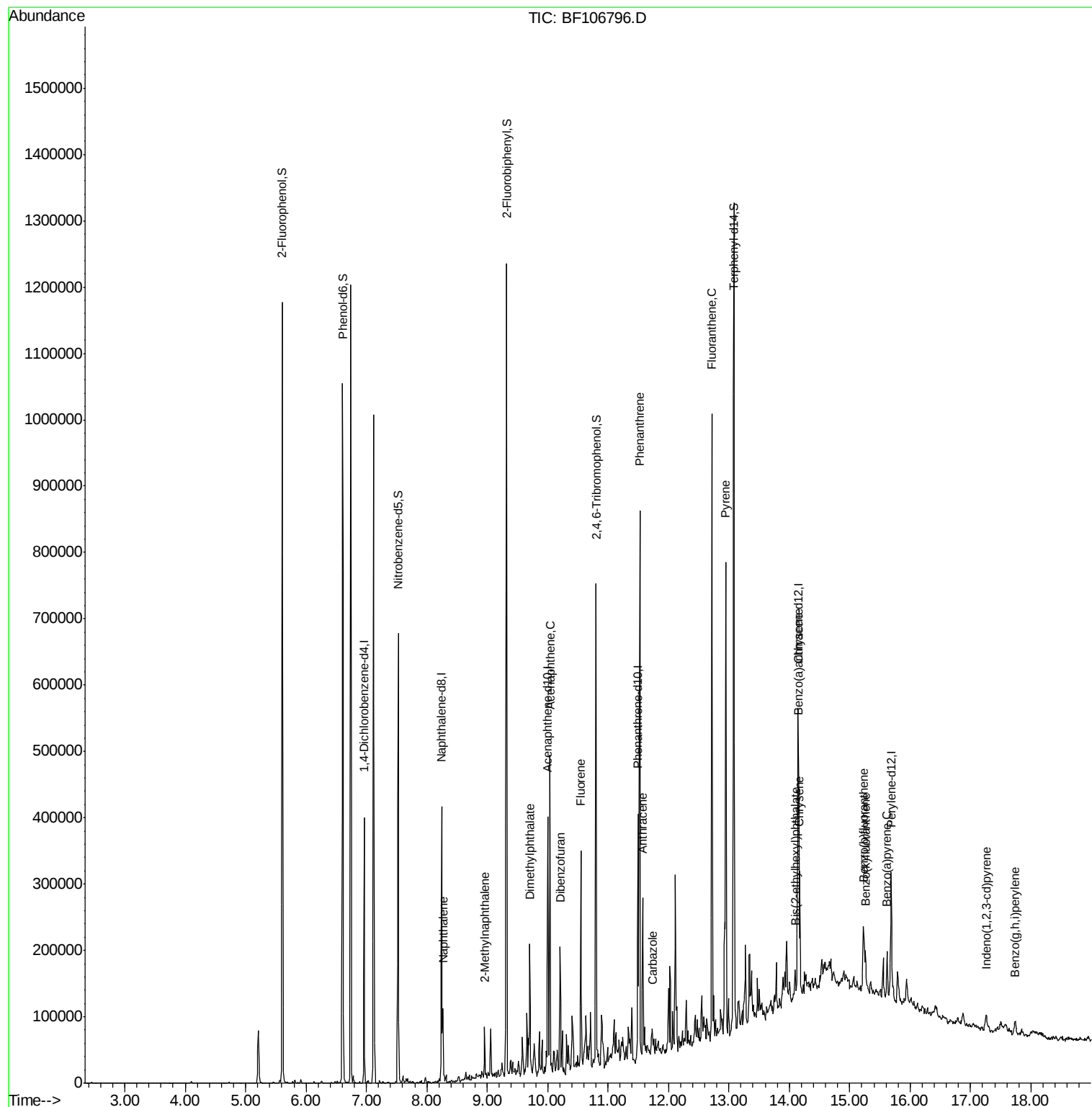
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106796.D
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Sample : J3642-01
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ALS Vial : 26 Sample Multiplier: 1

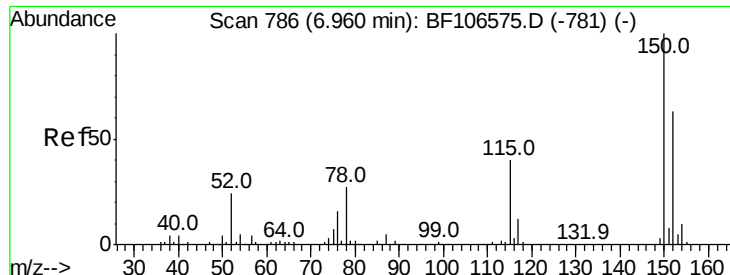
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

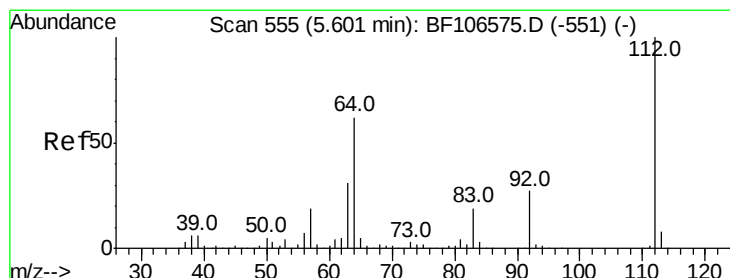
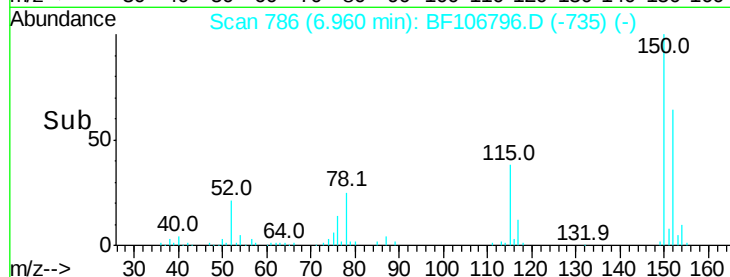
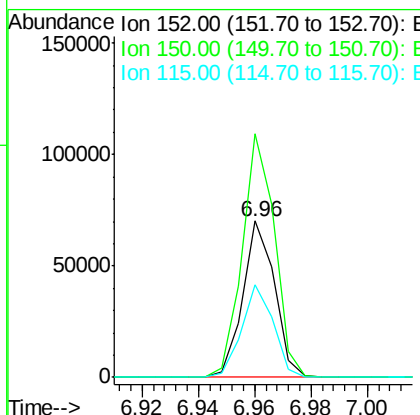
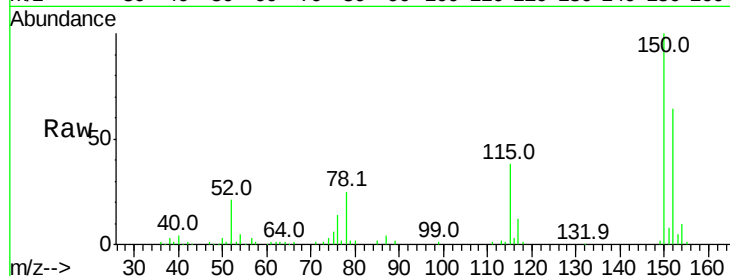
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampled :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	59.1	50.1	75.1

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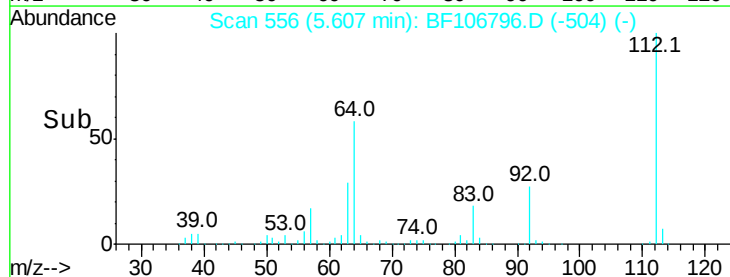
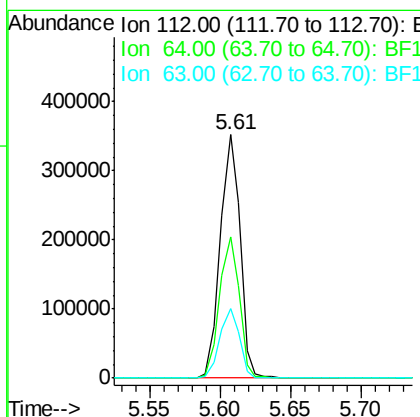
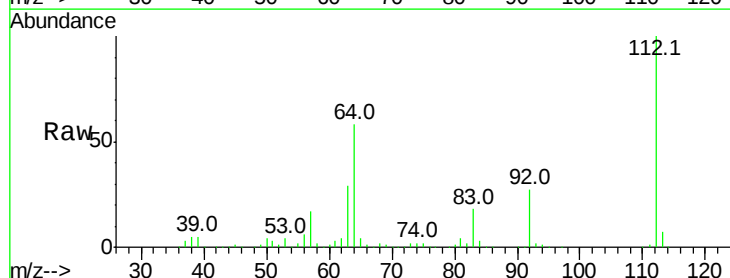
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#5

2-Fluorophenol
Concen: 107.028 ng
RT: 5.61 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 105.176 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Instrument :

BNA_F

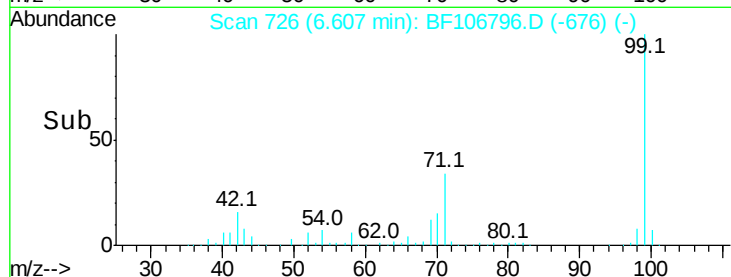
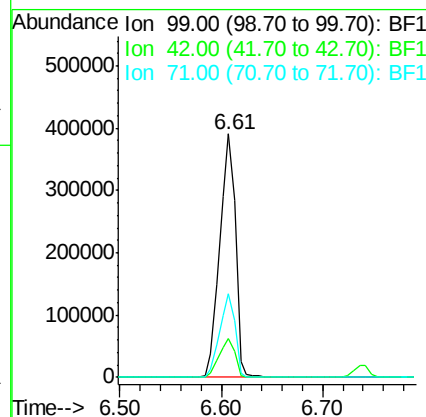
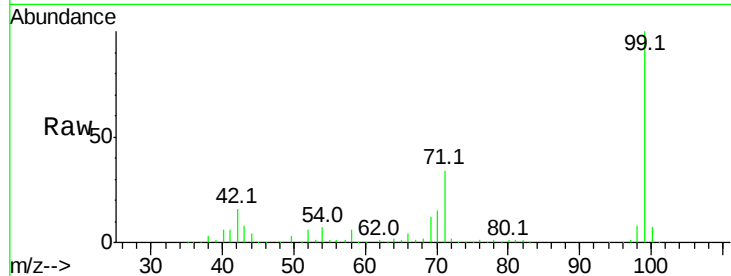
ClientSampled :

TEST-PIT-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		423682		
42	15.8	14.5	21.7		
71	34.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

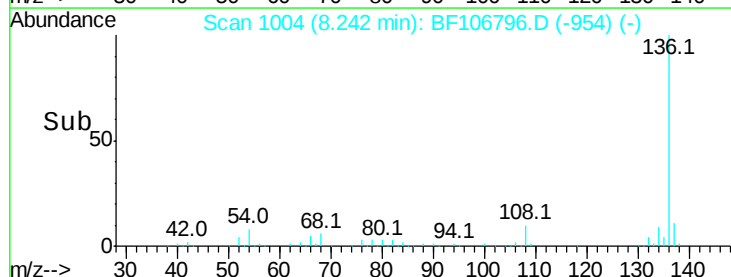
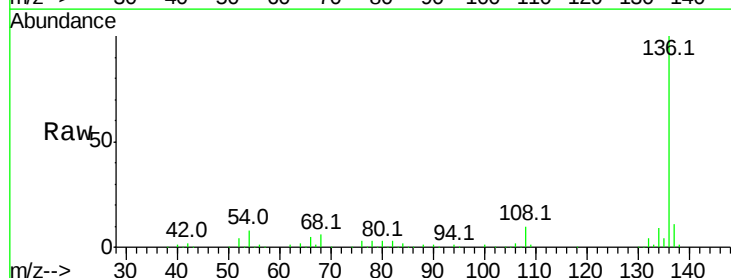
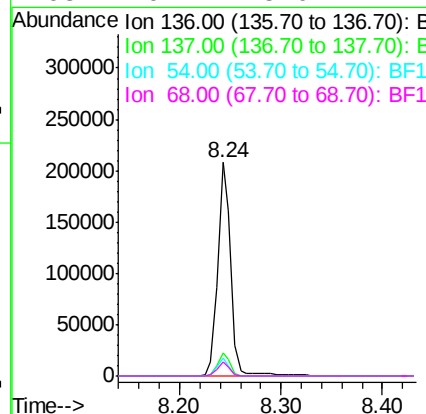
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		185262		
137	11.1	8.9	13.3		
54	8.1	6.6	9.8		
68	6.4	5.0	7.4		





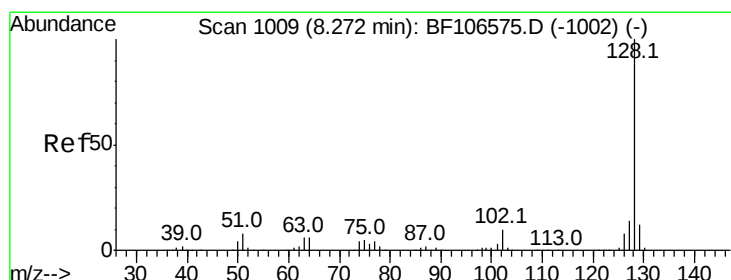
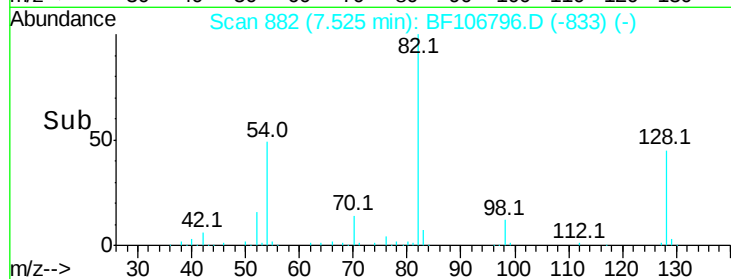
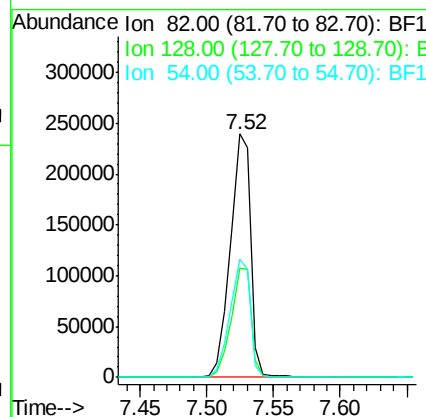
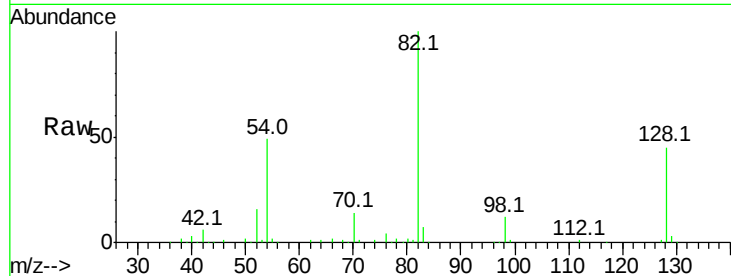
#23
Nitrobenzene-d5
Concen: 77.894 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	48.7	41.4	62.2

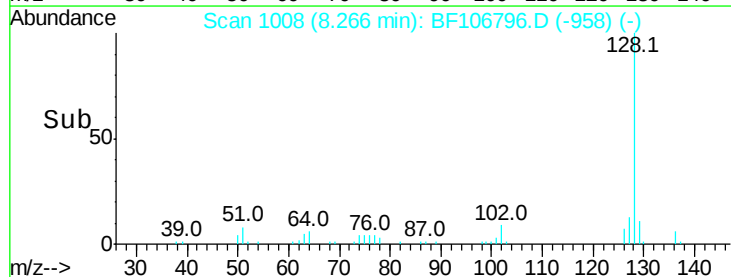
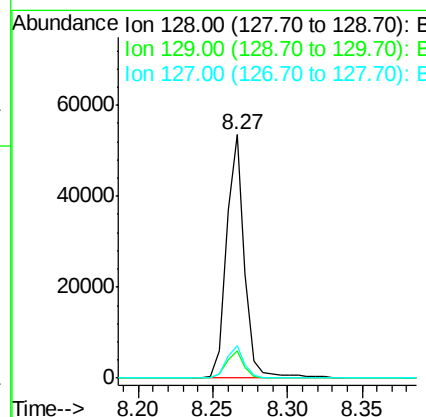
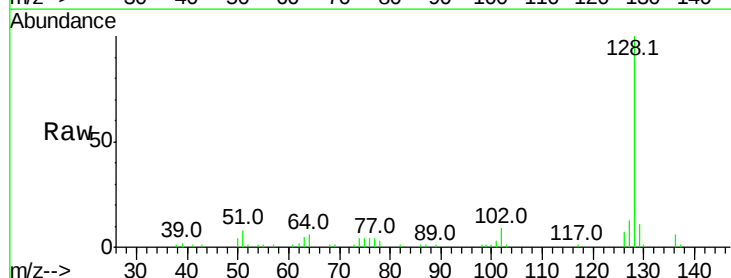
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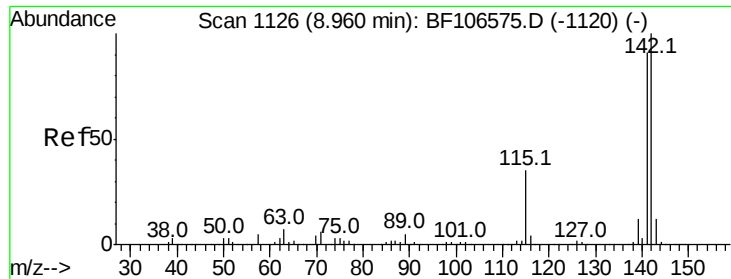
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#31
Naphthalene
Concen: 5.258 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.9	16.3





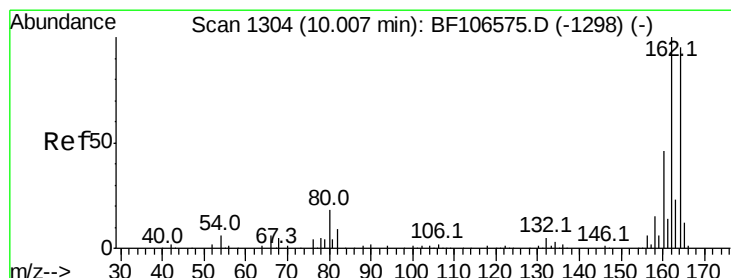
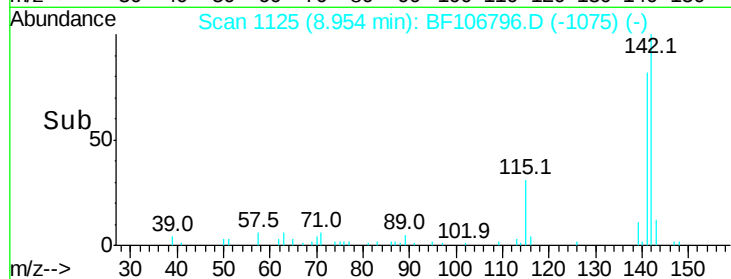
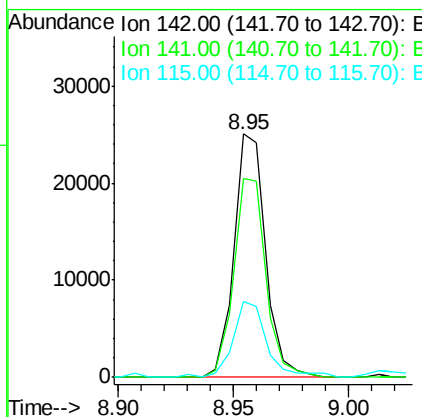
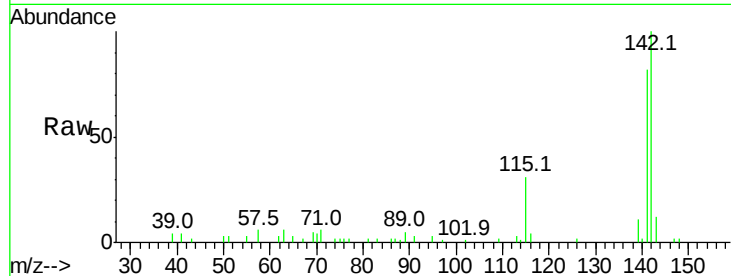
#37
2-Methylnaphthalene
Concen: 4.165 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.7	70.8	106.2
115	31.2	26.1	39.1

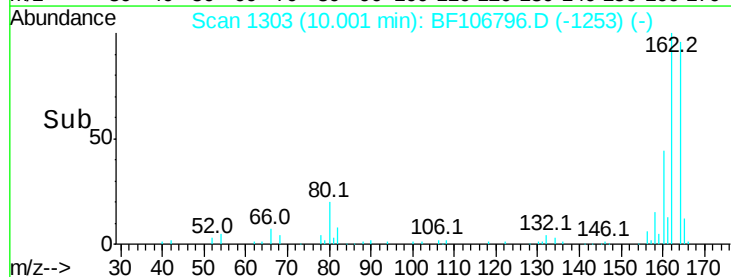
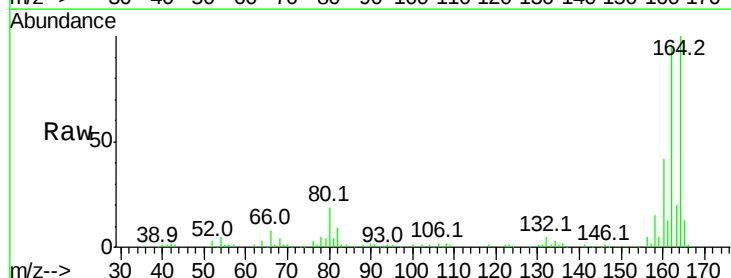
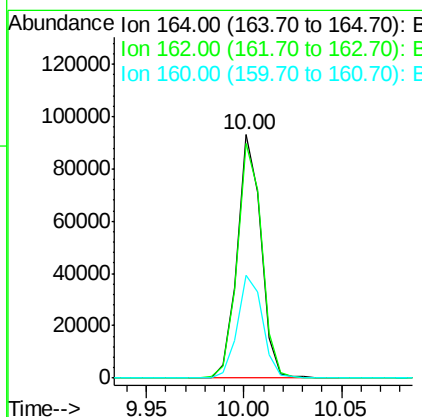
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.4	86.1	129.1
160	42.1	38.3	57.5





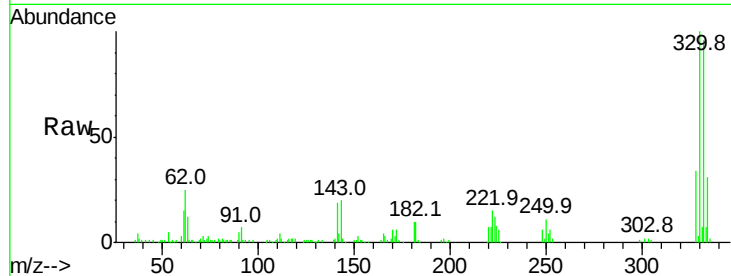
#41
 2,4,6-Tribromophenol
 Concen: 116.939 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

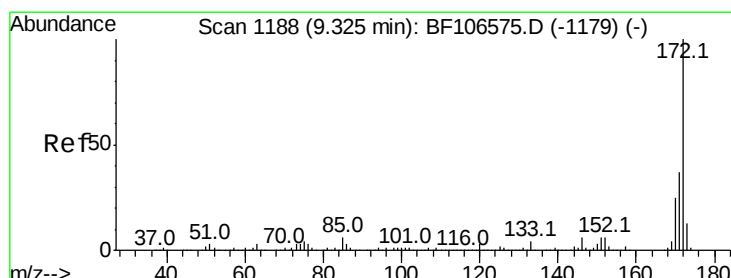
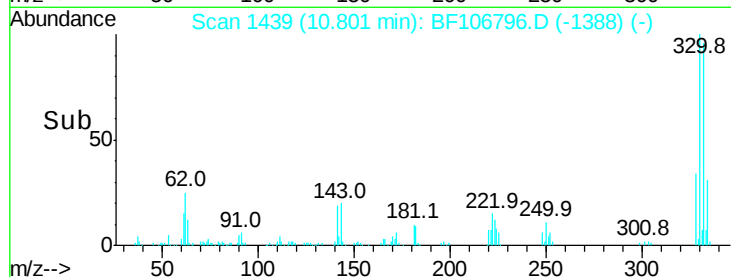
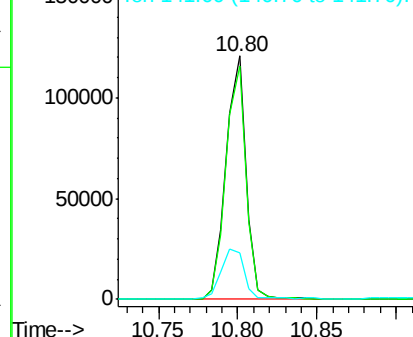
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.0	115.6	
141	25.4	29.9	44.9	

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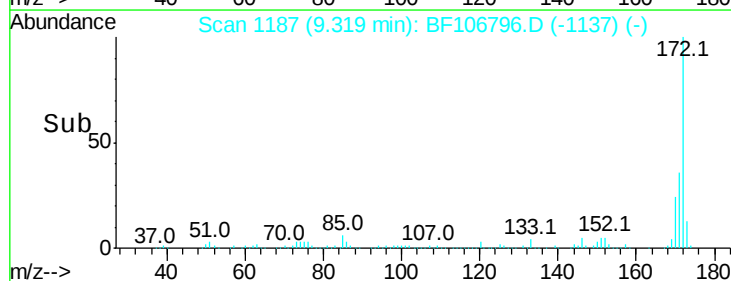
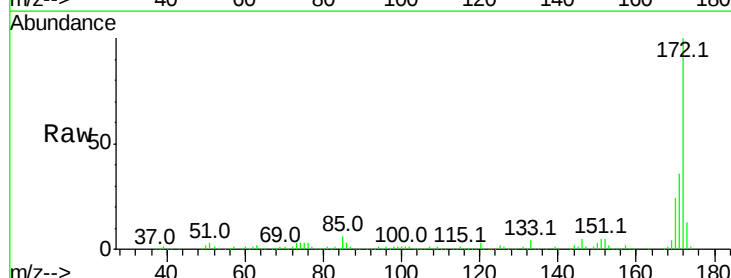
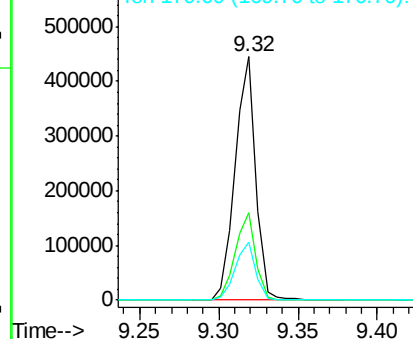
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 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

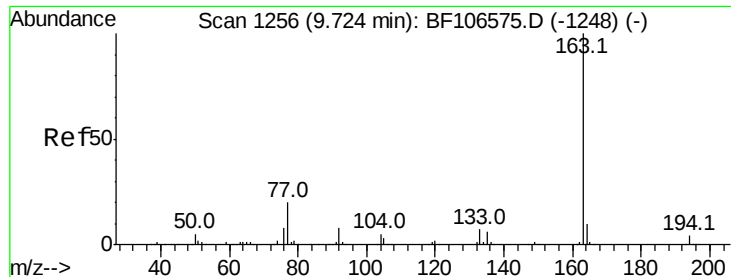


#44
 2-Fluorobiphenyl
 Concen: 86.425 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	23.7	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





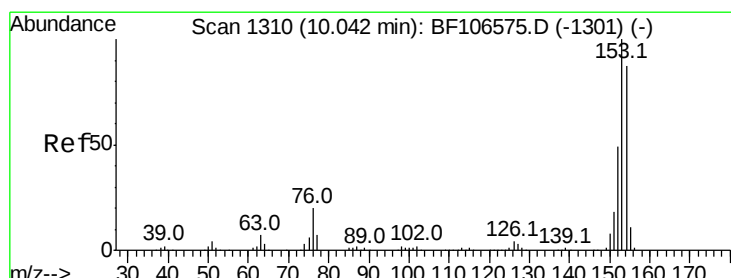
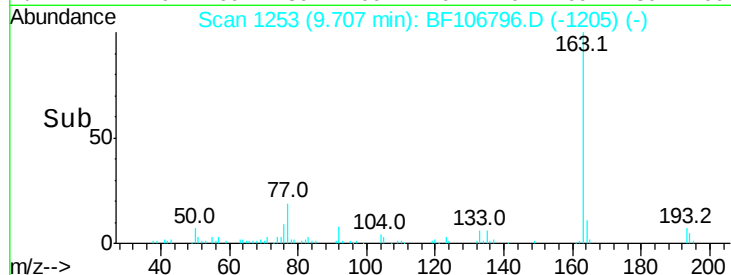
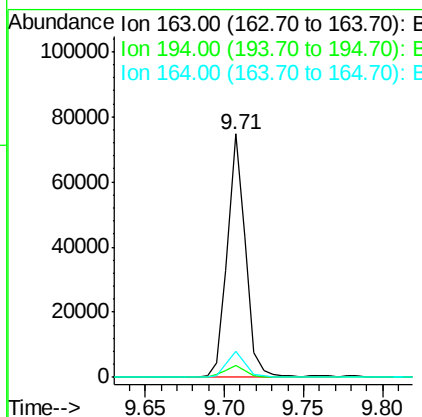
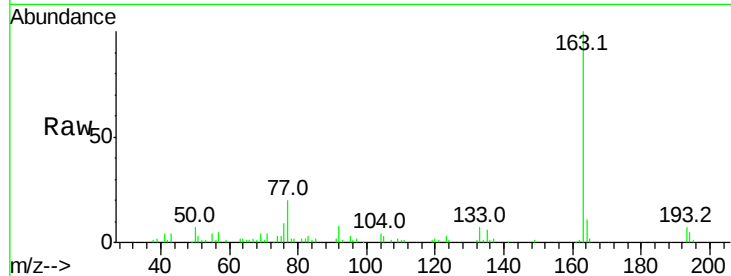
#49
Dimethylphthalate
Concen: 10.130 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.8	2.7	4.1#	
164	10.5	8.2	12.2	

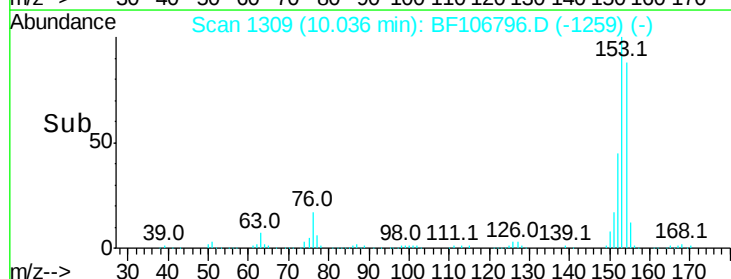
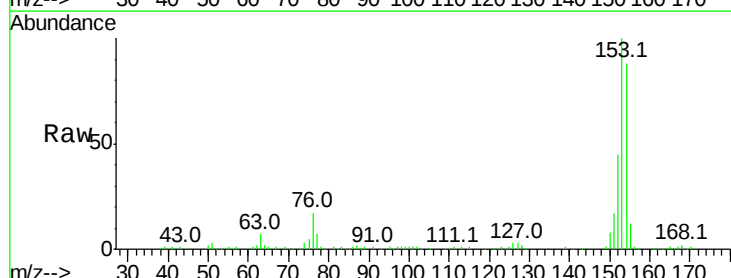
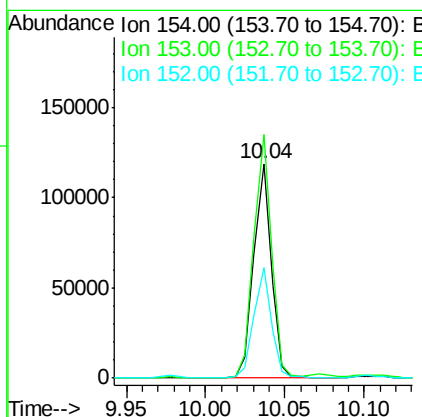
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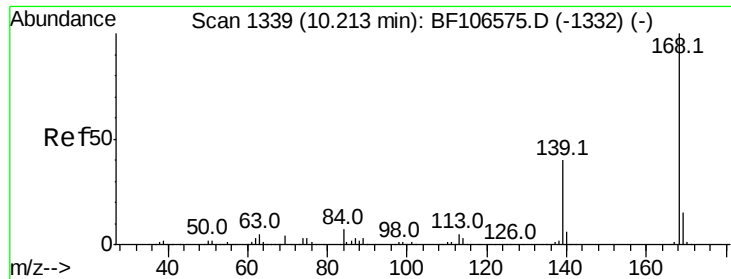
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#51
Acenaphthene
Concen: 18.878 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.6	91.2	136.8	
152	51.3	43.8	65.8	





#54

Dibenzenofuran

Concen: 9.463 ng

RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Instrument :

BNA_F

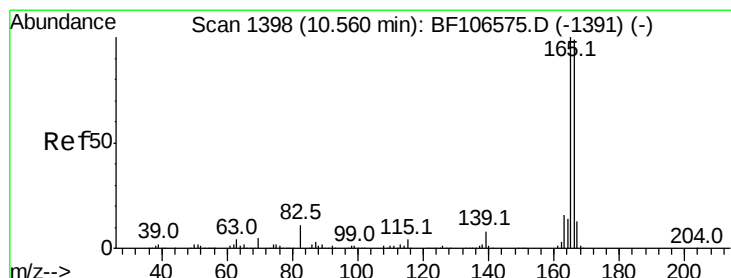
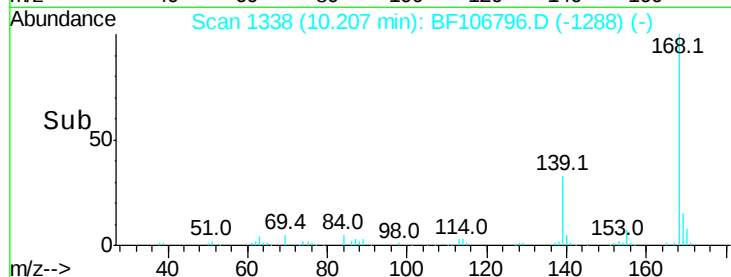
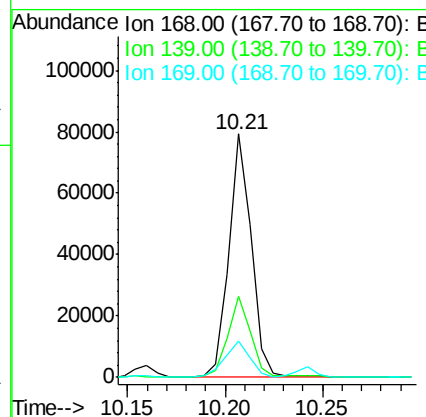
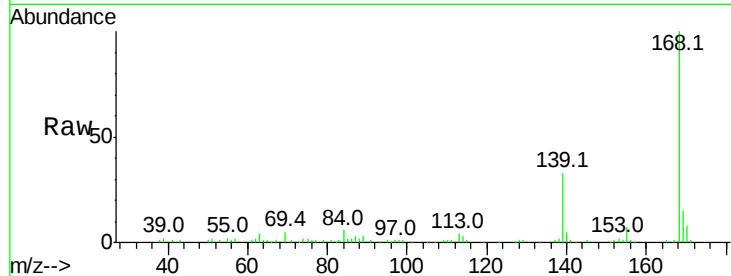
ClientSampled :

TEST-PIT-1

Tot Ion:168	Resp:	63472
Ion Ratio	Lower	Upper
168 100		
139 33.3	30.1	45.1
169 14.9	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 16.911 ng

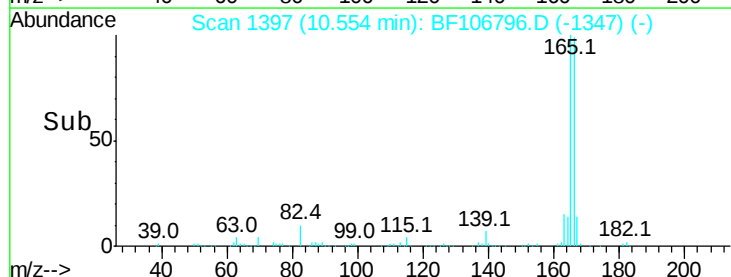
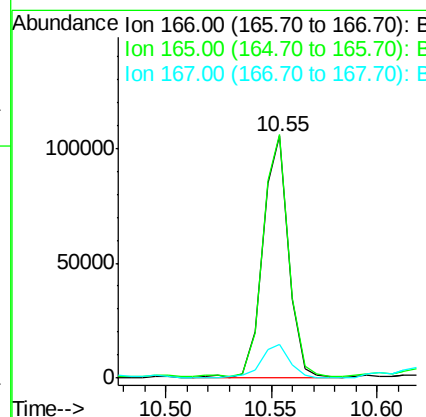
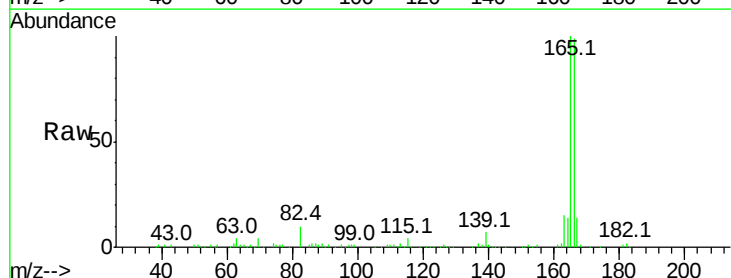
RT: 10.55 min Scan# 1397

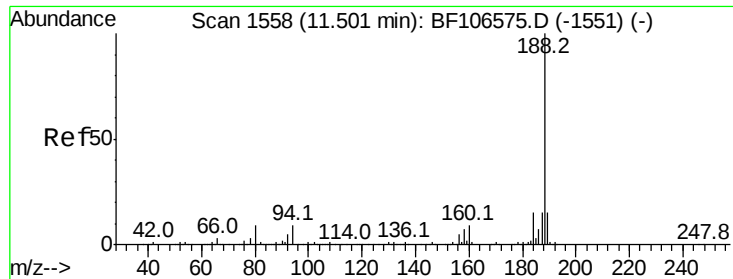
Delta R.T. -0.01 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Tgt Ion:166	Resp:	90010
Ion Ratio	Lower	Upper
166 100		
165 100.5	79.8	119.8
167 13.8	10.6	16.0





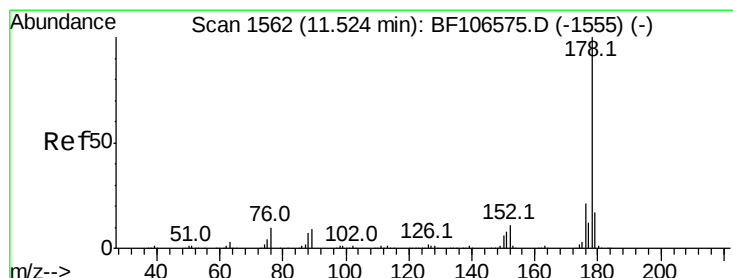
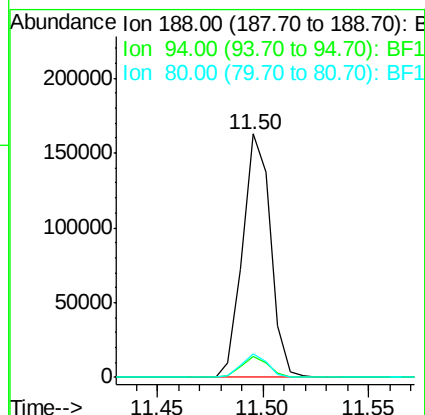
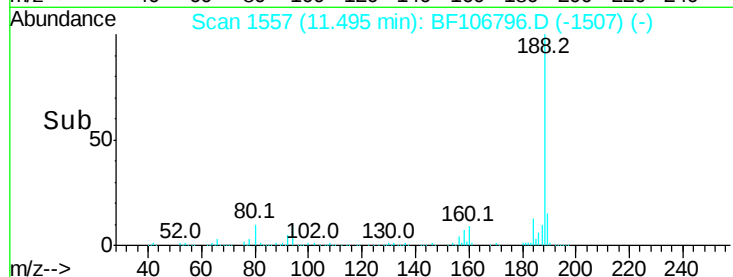
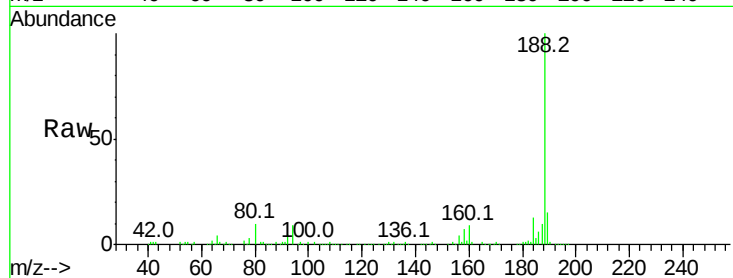
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampled :
TEST-PIT-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.5	9.2	13.8

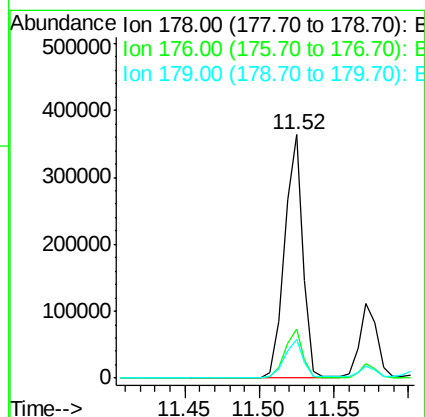
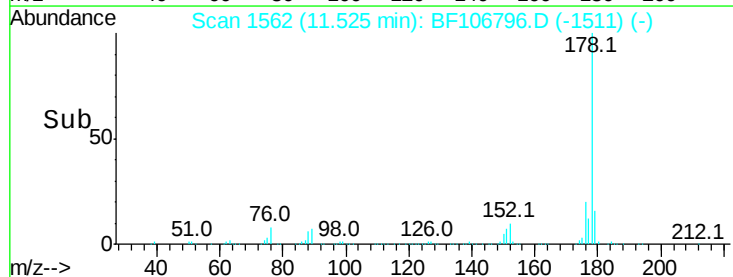
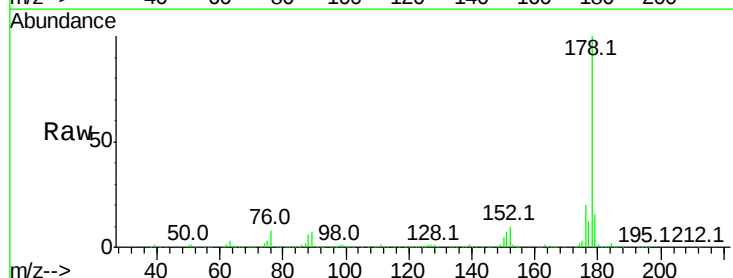
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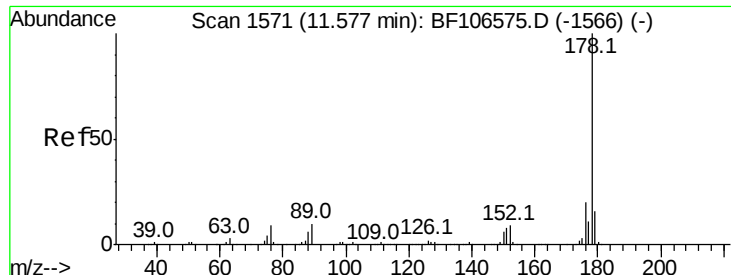
Sohil
6/27/2018 10:56:00 AM



#70
Phenanthrene
Concen: 43.600 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.8	13.0	19.6





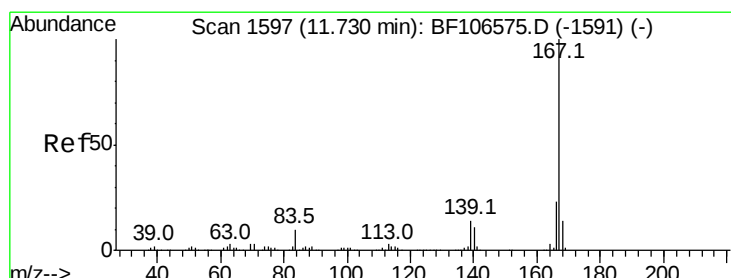
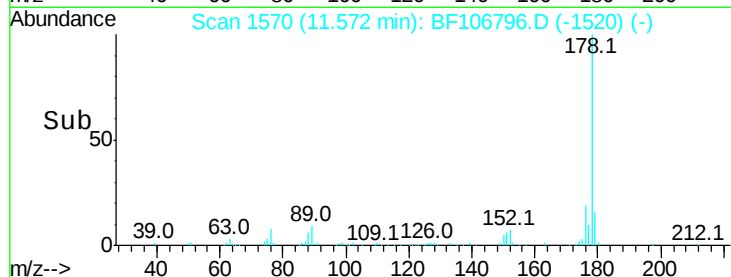
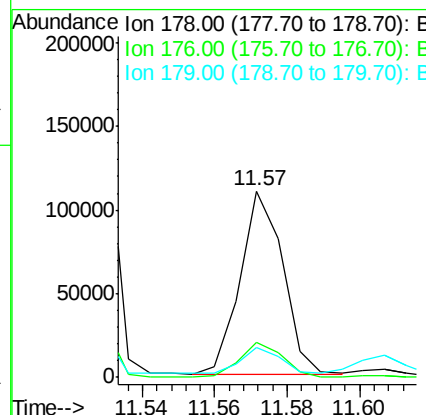
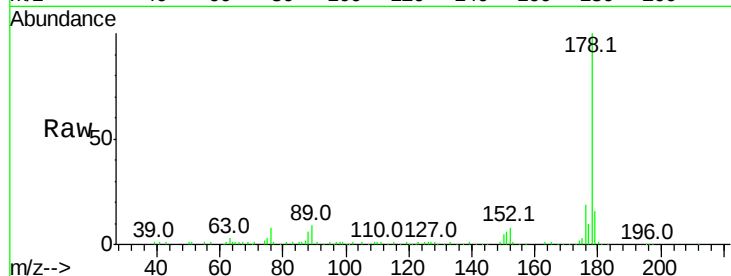
#71
 Anthracene
 Concen: 12.219 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.0	12.6	19.0

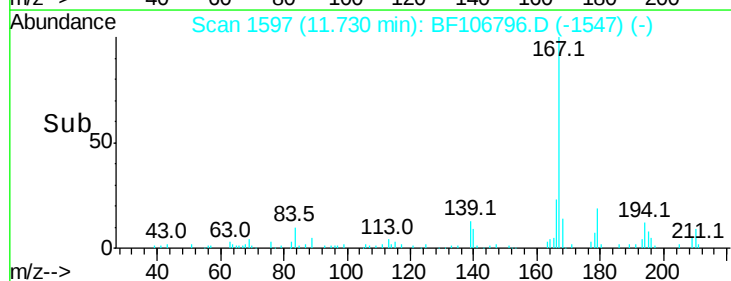
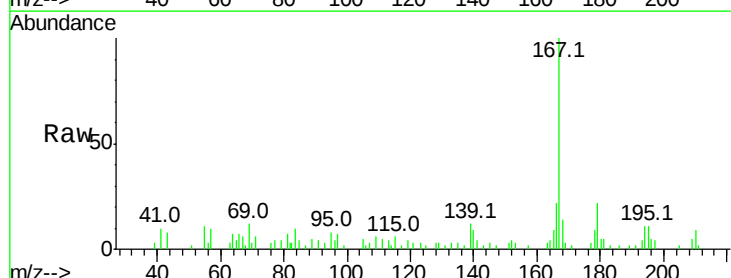
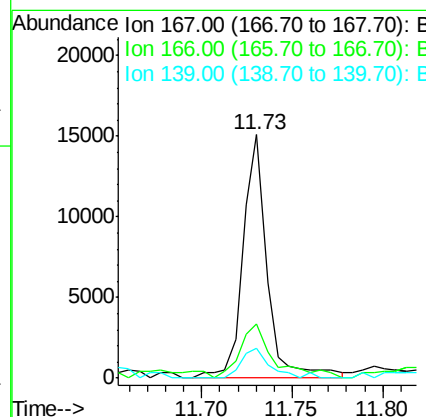
Manual Integrations
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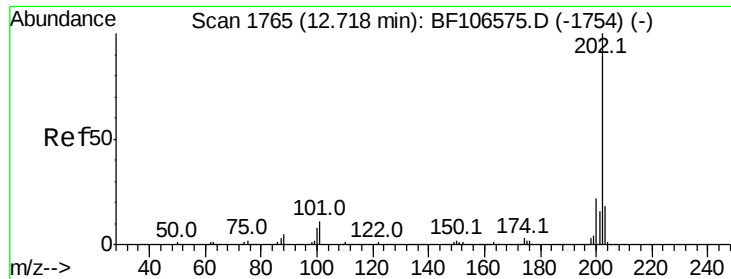
Sohil
 6/27/2018 10:56:00 AM



#72
 Carbazole
 Concen: 2.043 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 49.345 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Instrument :

BNA_F

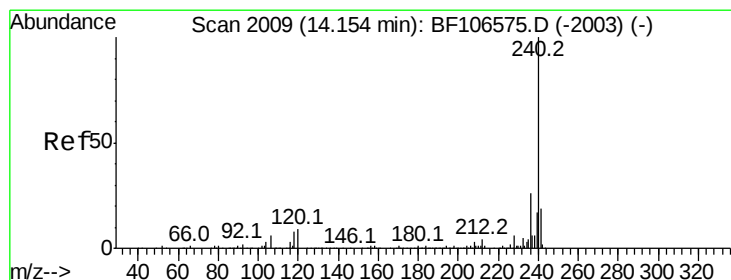
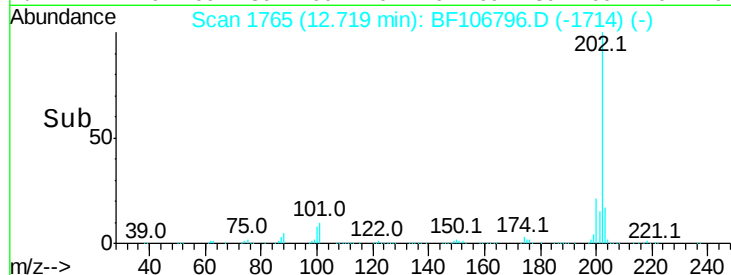
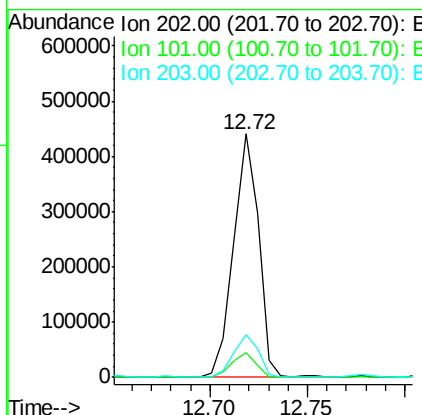
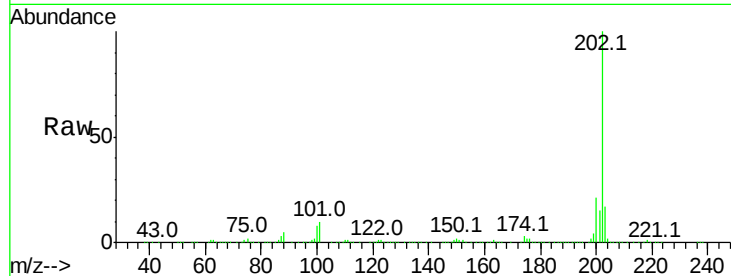
ClientSampleId :

TEST-PIT-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

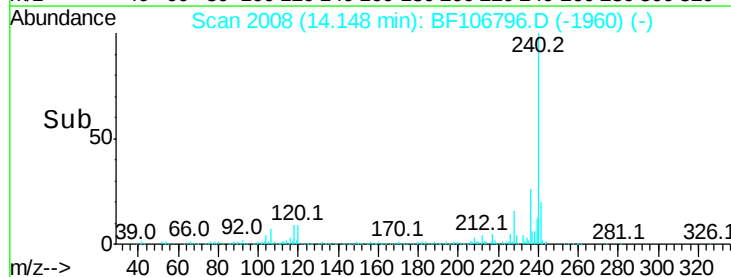
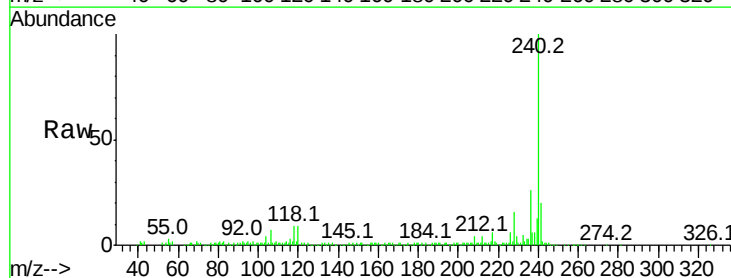
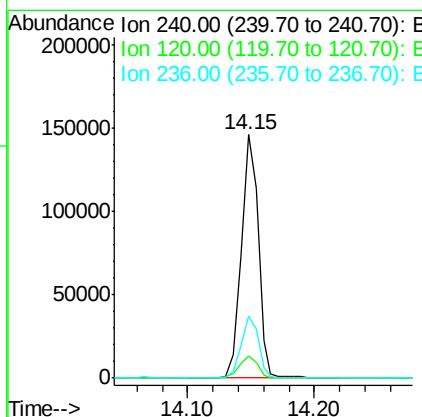
RT: 14.15 min Scan# 2008

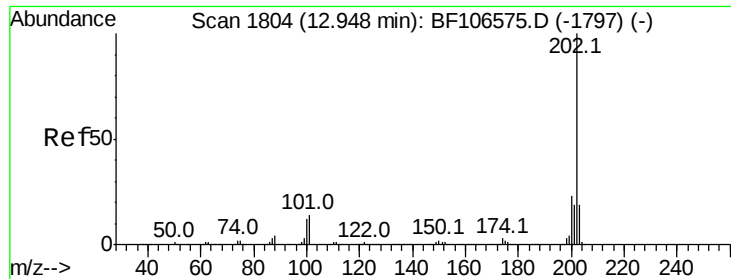
Delta R.T. -0.02 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.5	20.7	31.1





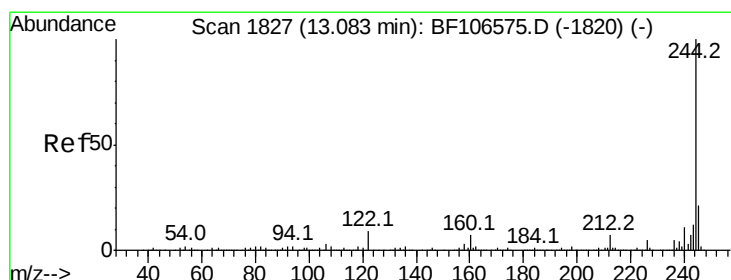
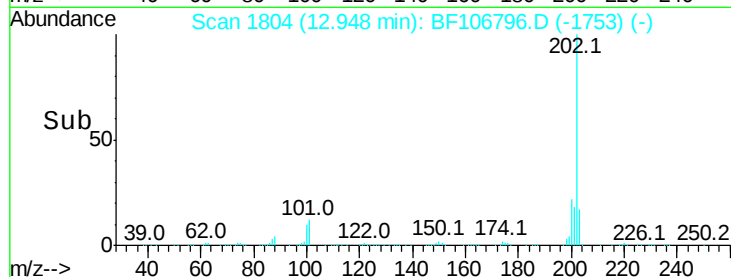
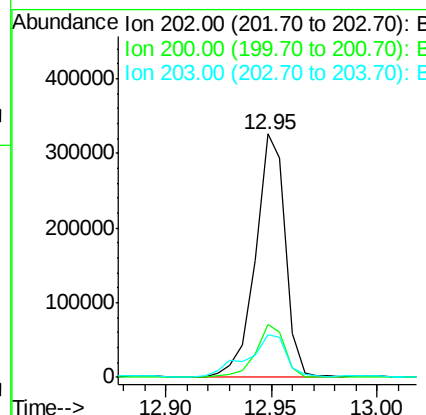
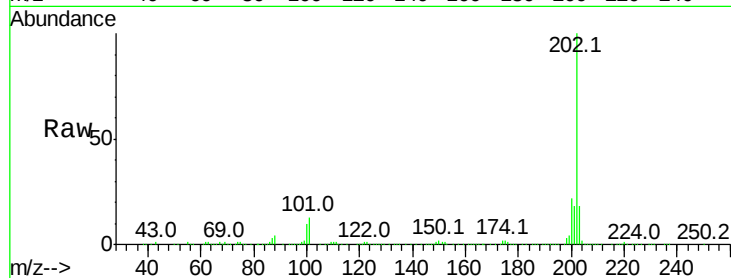
#77
Pvrene
Concen: 36.091 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.6	14.3	21.5

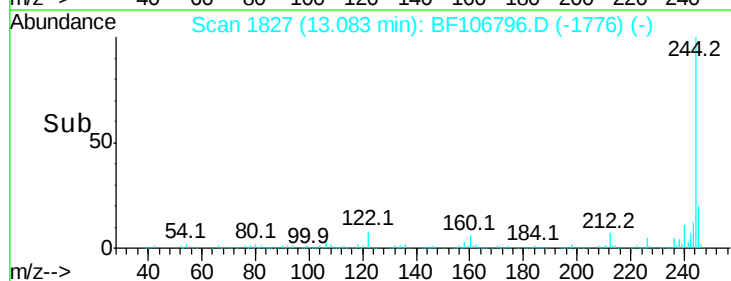
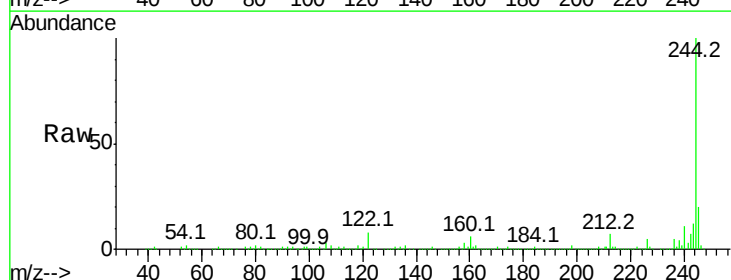
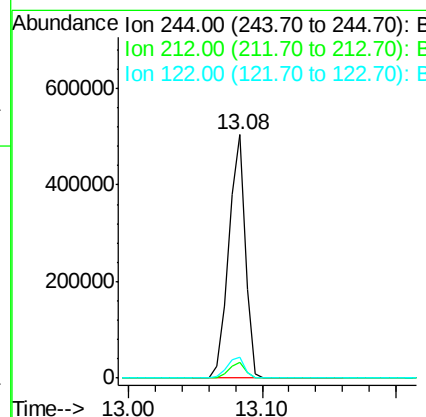
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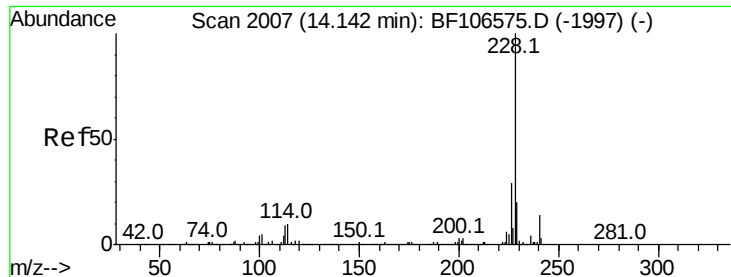
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#78
Terphenyl-d14
Concen: 80.331 ng
RT: 13.08 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.3	11.0	16.4#





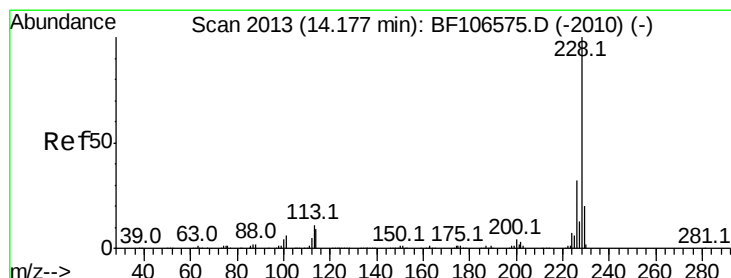
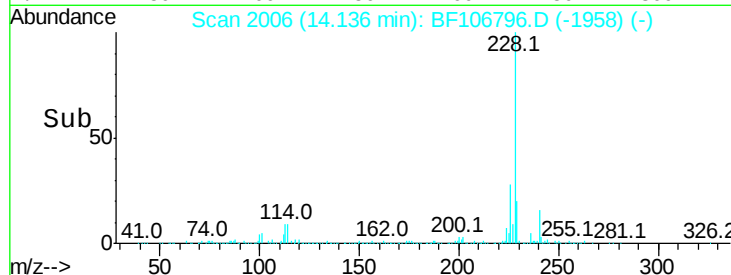
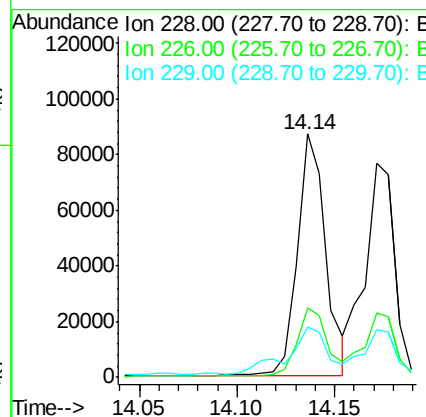
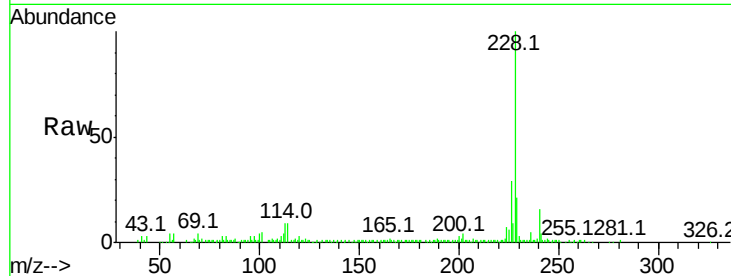
#80
Benzo(a)anthracene
Concen: 10.696 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampled :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.9	15.8	23.6

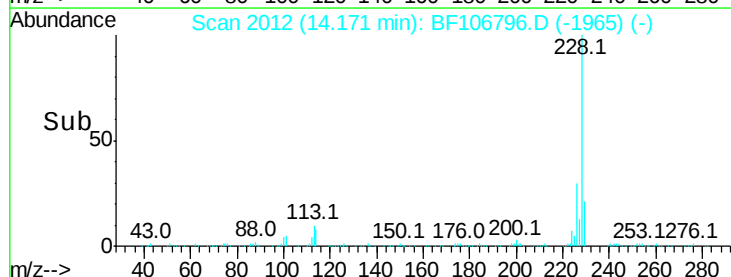
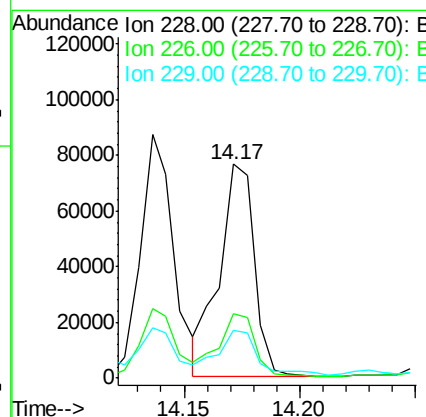
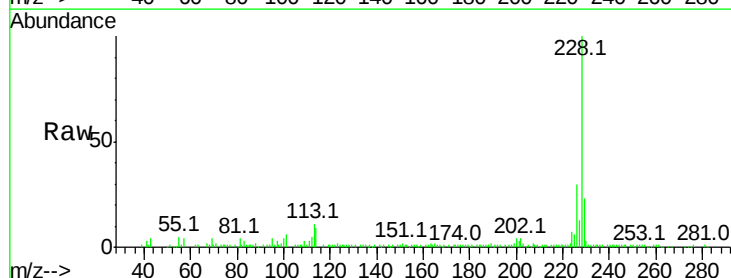
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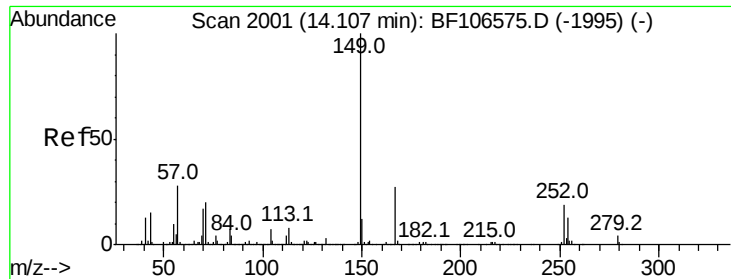
Sohil
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#82
Chrysene
Concen: 10.700 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.5	16.2	24.4





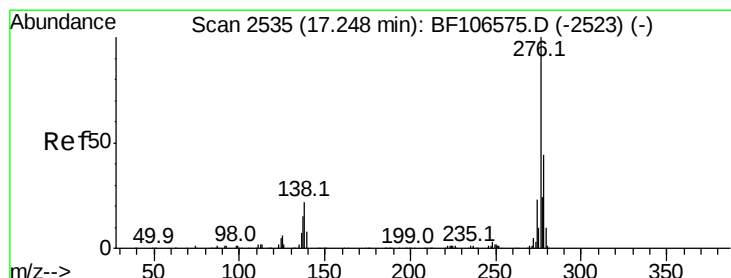
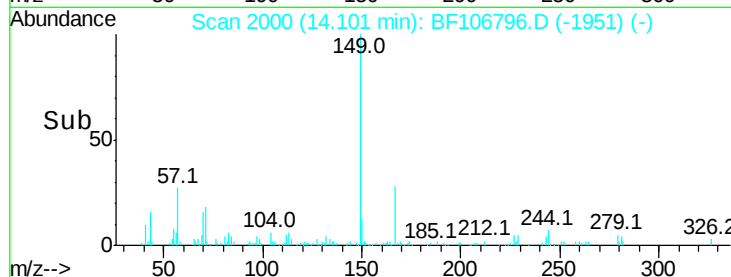
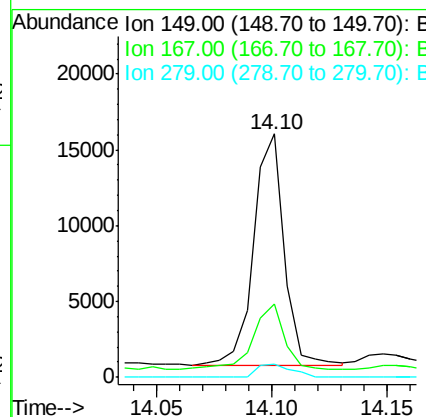
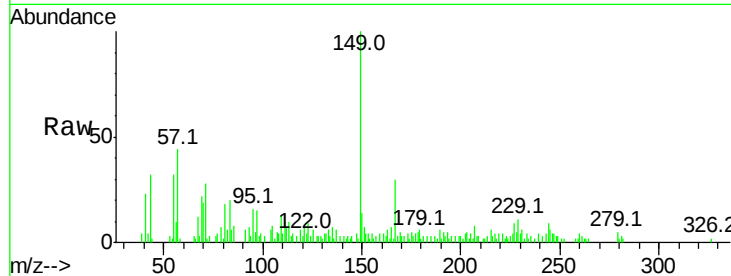
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.049 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Tot Ion	Ratio	Resp	Lower	Upper
149	100	14174		
167	30.0	21.3	31.9	
279	5.2	3.0	4.4#	

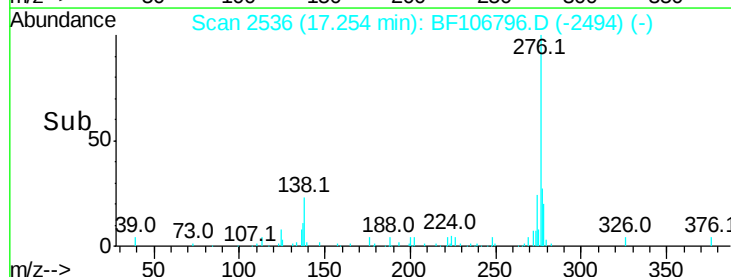
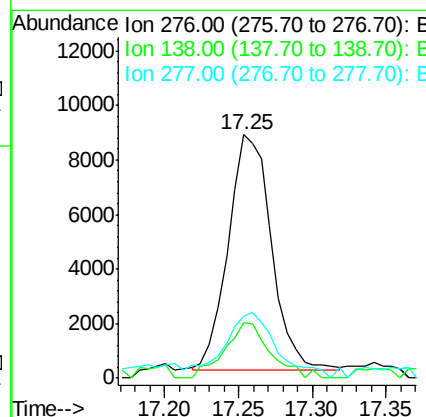
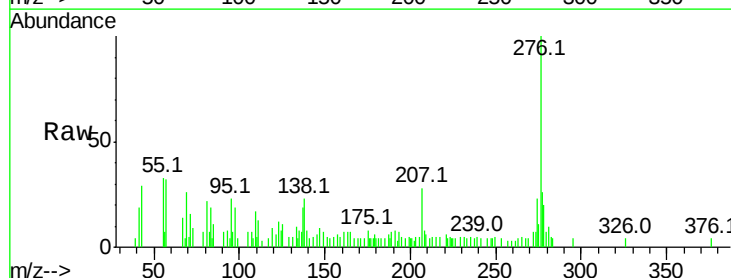
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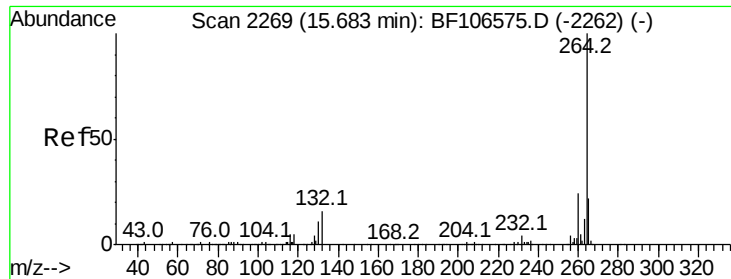
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.769 ng m
 RT: 17.25 min Scan# 2536
 Delta R.T. -0.05 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	17673		
138	24.8	25.0	37.6#	
277	31.9	20.1	30.1#	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.03 min

Lab File: BF106796.D

Acq: 26 Jun 2018 2:18

Instrument :

BNA_F

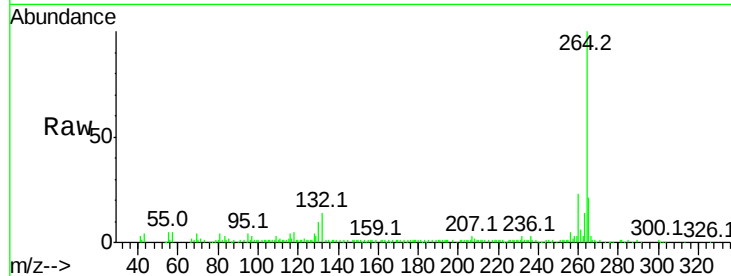
ClientSampleId :

TEST-PIT-1

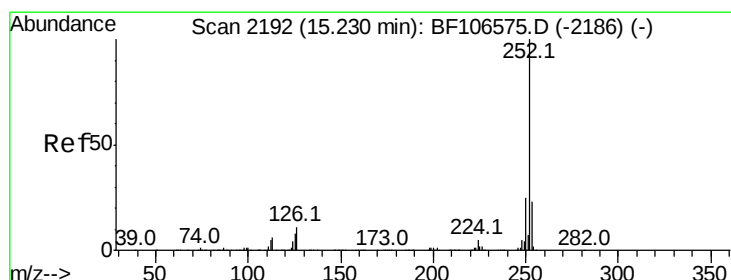
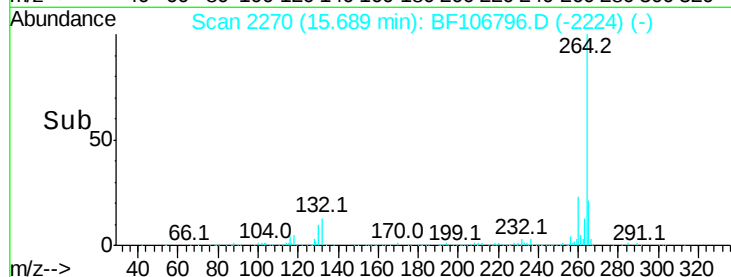
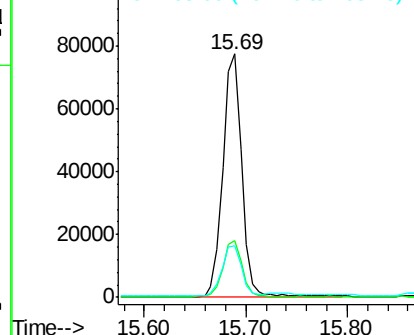
Tot Ion:264	Resp:	101106
Ion Ratio	Lower	Upper
264 100		
260 23.2	19.2	28.8
265 21.3	17.5	26.3

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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: 10.158 ng m

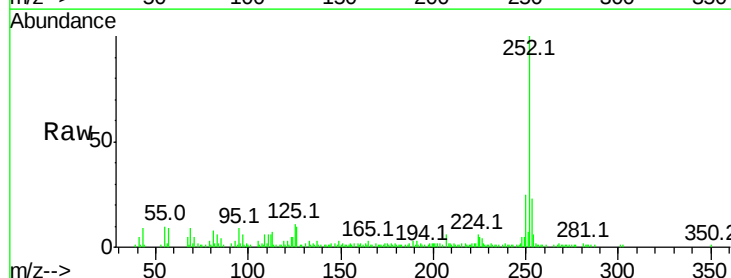
RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

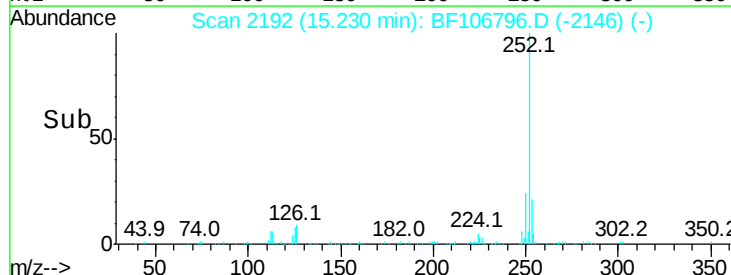
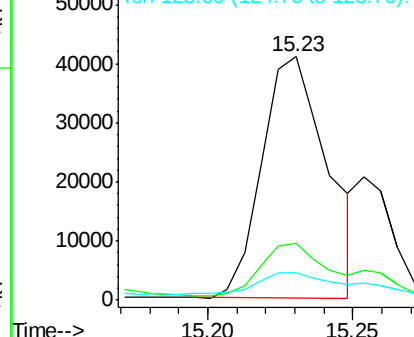
Lab File: BF106796.D

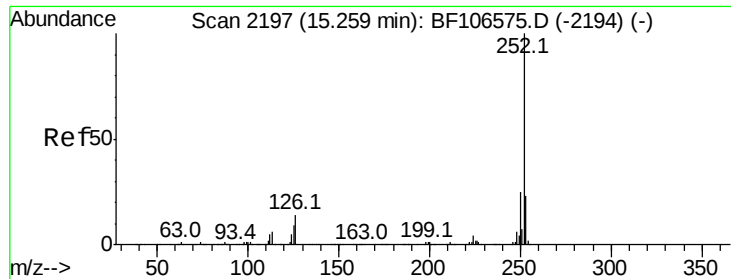
Acq: 26 Jun 2018 2:18

Tgt Ion:252	Resp:	63797
Ion Ratio	Lower	Upper
252 100		
253 23.1	17.0	25.6
125 11.1	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





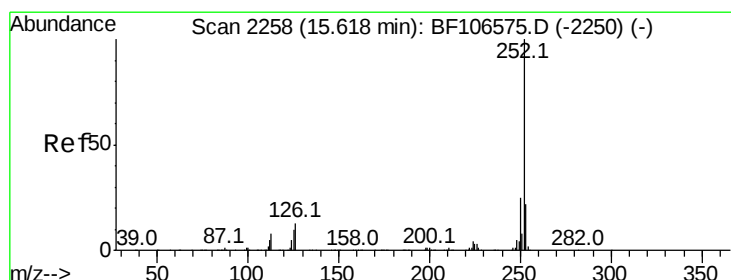
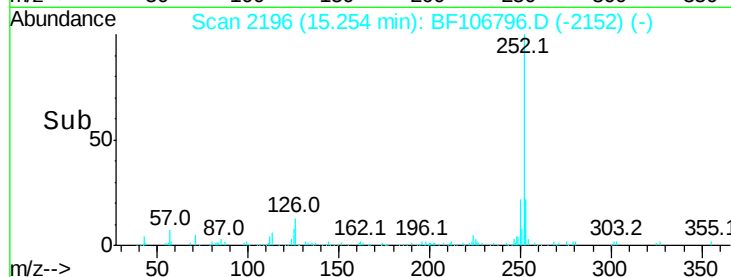
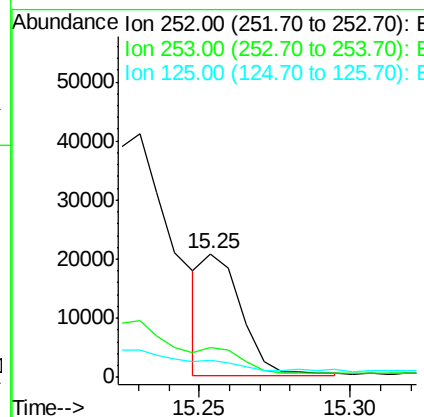
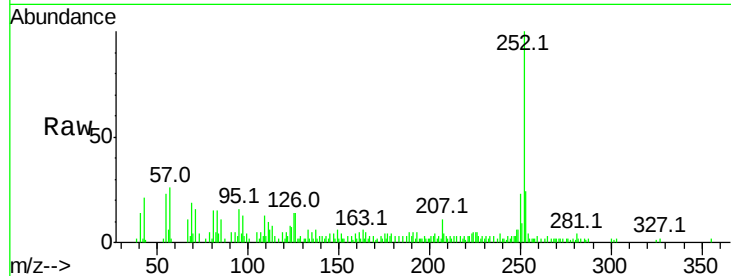
#88
Benzo(k)fluoranthene
Concen: 3.016 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Instrument :
BNA_F
ClientSampled :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.5	10.2	15.2

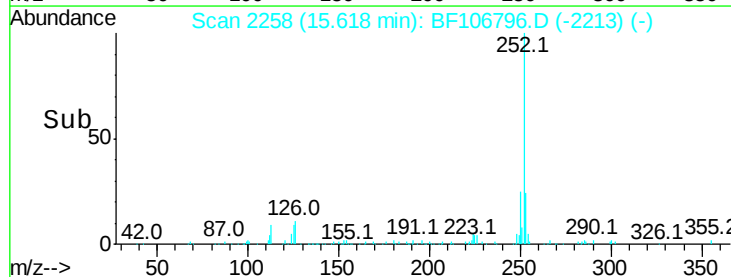
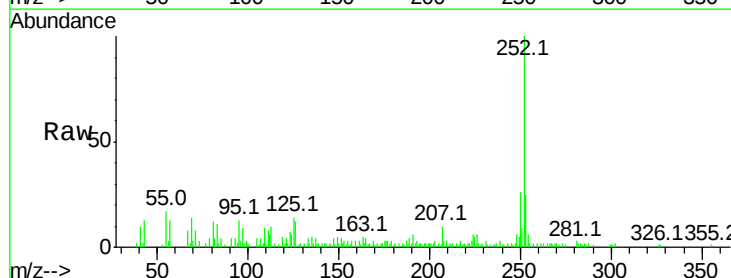
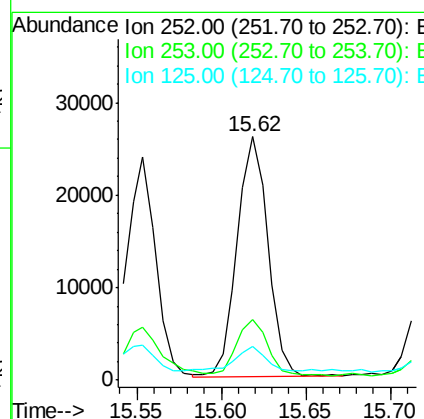
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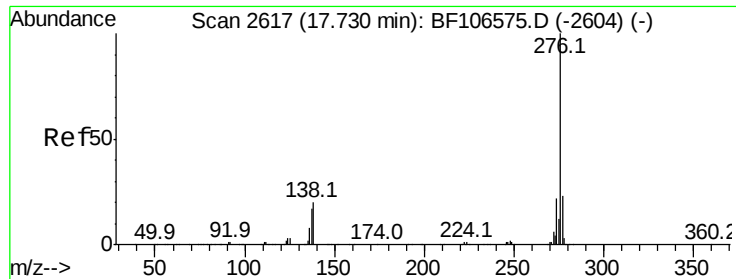
Sohil
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#89
Benzo(a)pyrene
Concen: 5.931 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF106796.D
Acq: 26 Jun 2018 2:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	13.7	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.353 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.05 min
 Lab File: BF106796.D
 Acq: 26 Jun 2018 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	26.1	17.9	26.9	
138	17.8	21.8	32.8	

Manual Integrations
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