

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
 Data File : BF106832.D
 Acq On : 26 Jun 2018 19:27
 Operator : JU/SJ
 Sample : J3642-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Manual Integrations
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Quant Time: Jun 27 09:29:35 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	42337	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	145284	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	63130	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	125991	20.00	ng	0.00
75) Chrysene-d12	14.15	240	127469	20.00	ng	-0.01
86) Perylene-d12	15.69	264	86599	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	251749	100.69	ng	0.01
7) Phenol-d6	6.61	99	304023	97.37	ng	0.00
23) Nitrobenzene-d5	7.52	82	187161	71.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	85172	116.40	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	325725	87.82	ng	0.00
78) Terphenyl-d14	13.08	244	386907	73.52	ng	0.00

Target Compounds				Qvalue		
20) 3+4-Methylphenols	7.38	107	234	Below Cal	#	20
31) Naphthalene	8.27	128	30013	4.419	ng	97
37) 2-Methylnaphthalene	8.95	142	12584	2.795	ng	94
48) Acenaphthylene	9.87	152	29214	4.672	ng	98
49) Dimethylphthalate	9.71	163	58134	12.278	ng	98
57) Fluorene	10.55	166	9905	2.315	ng	# 88
70) Phenanthrene	11.52	178	120400	19.813	ng	98
71) Anthracene	11.57	178	38928	6.276	ng	99
74) Fluoranthene	12.72	202	276848	41.334	ng	94
77) Pyrene	12.95	202	236447	28.129	ng	100
80) Benzo(a)anthracene	14.14	228	79844	10.277	ng	92
82) Chrysene	14.18	228	115437	16.151	ng	98
83) Bis(2-ethylhexyl)phthalate	14.10	149	13851	3.135	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.27	276	40467	6.672	ng	# 84
87) Benzo(b)fluoranthene	15.24	252	94228m	17.516	ng	
88) Benzo(k)fluoranthene	15.27	252	34015m	6.640	ng	
89) Benzo(a)pyrene	15.63	252	54405	11.376	ng	94
90) Dibenzo(a,h)anthracene	17.28	278	9664	2.384	ng	# 87
91) Benzo(a,h,i)perylene	17.75	276	47853	12.080	ng	# 87

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

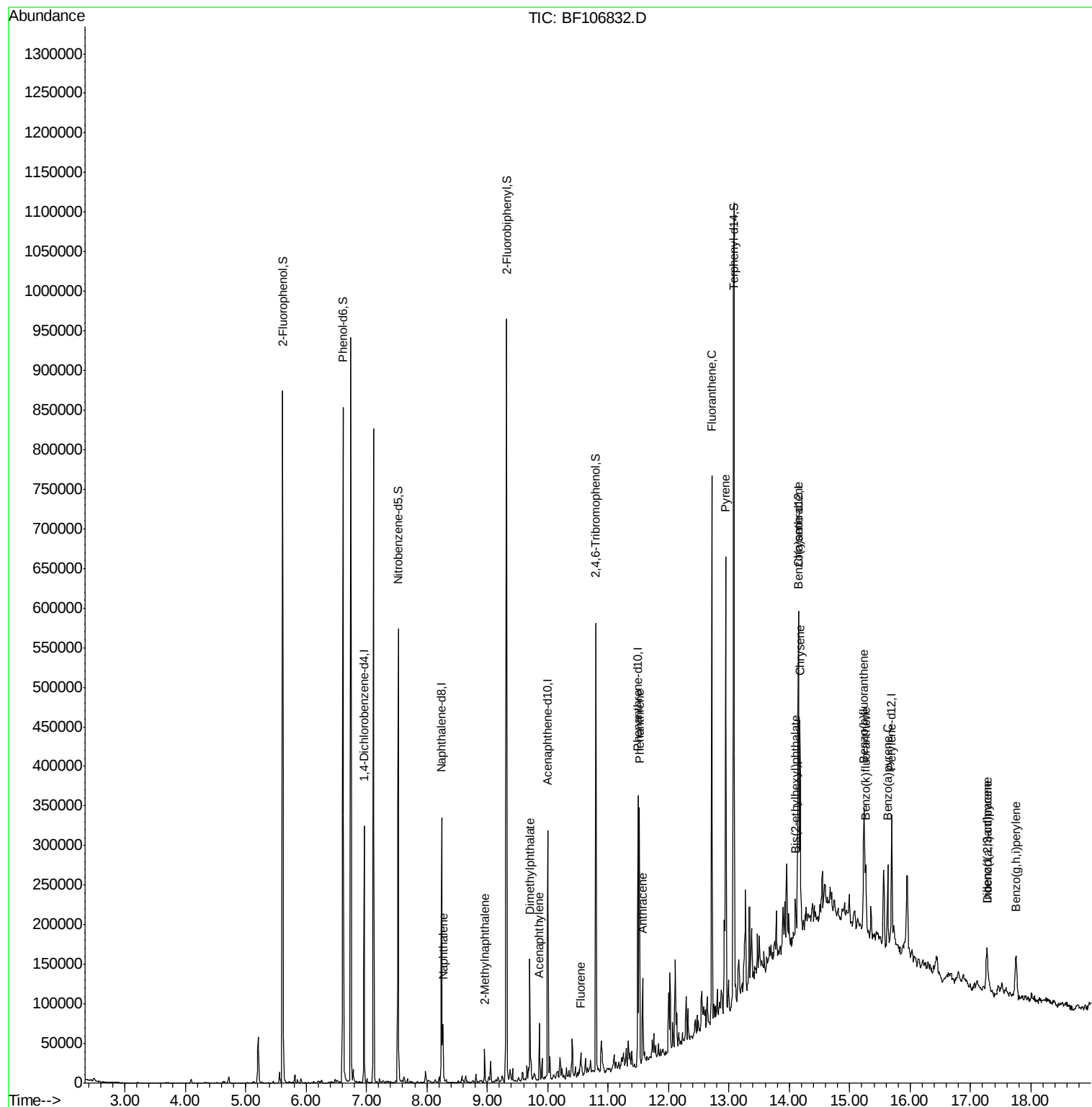
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106832.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

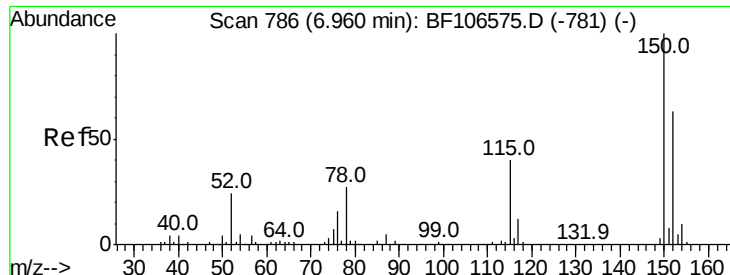
Instrument :
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ClientSampleId :
TEST-PIT-2

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

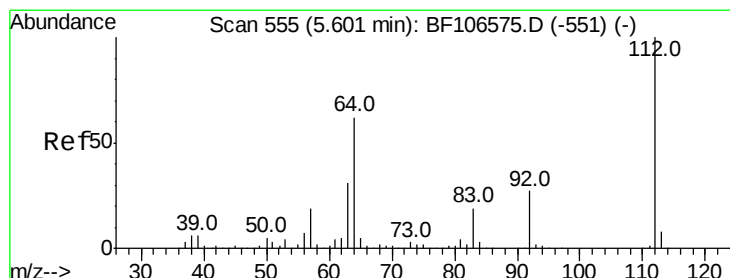
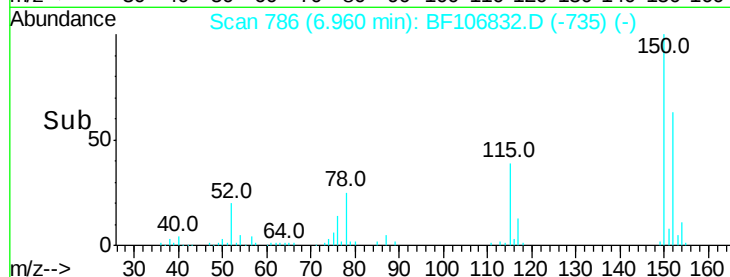
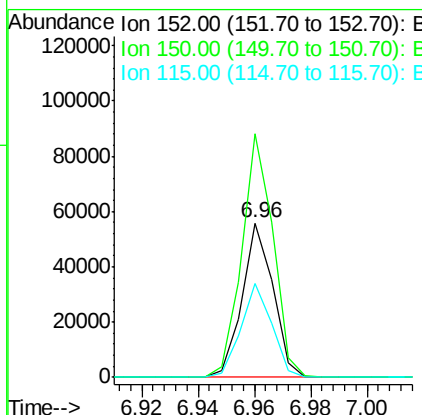
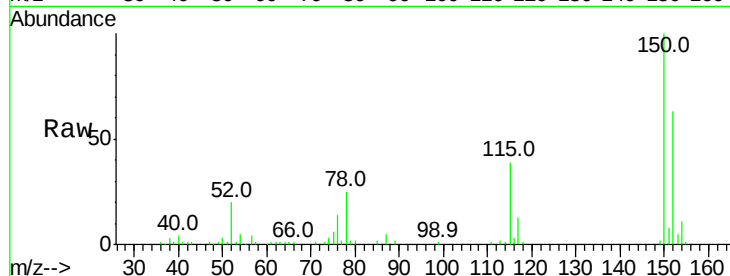
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	60.9	50.1	75.1

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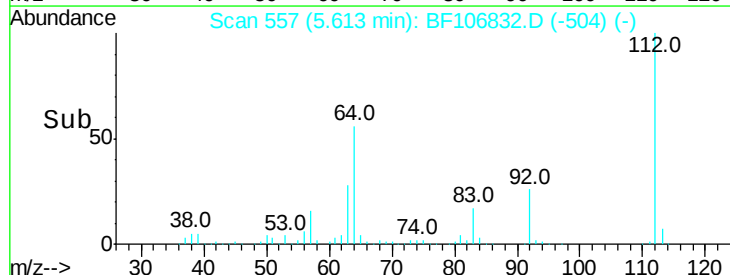
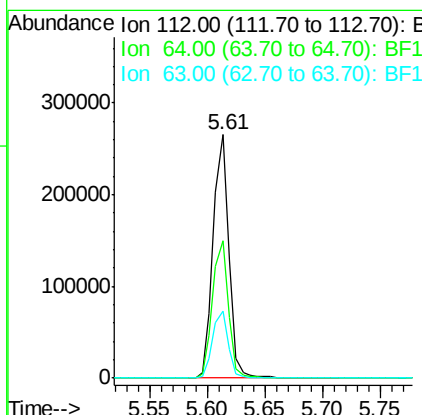
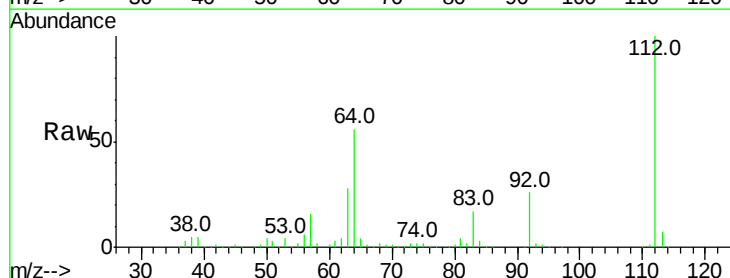
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#5

2-Fluorophenol
Concen: 100.690 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 97.371 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Instrument :

BNA_F

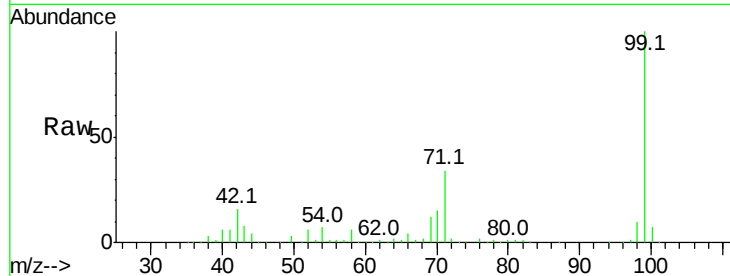
ClientSampled :

TEST-PIT-2

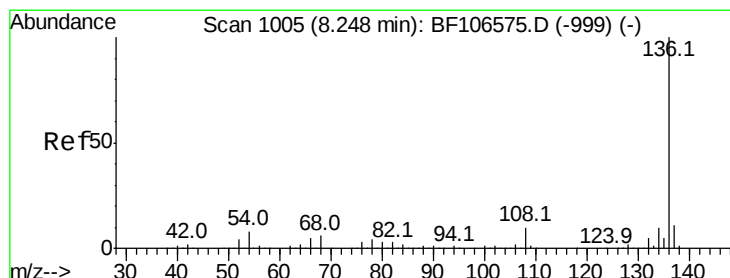
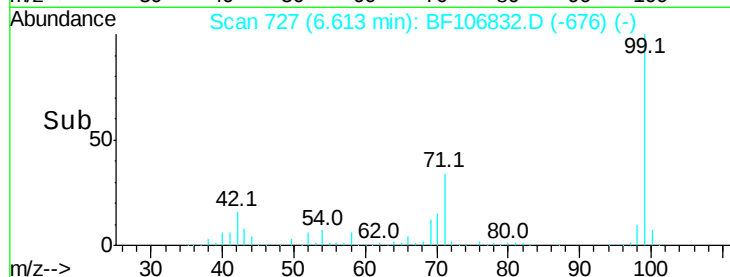
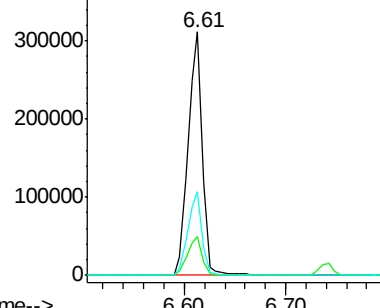
Tot Ion:	99	Resp:	304023
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	34.2	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

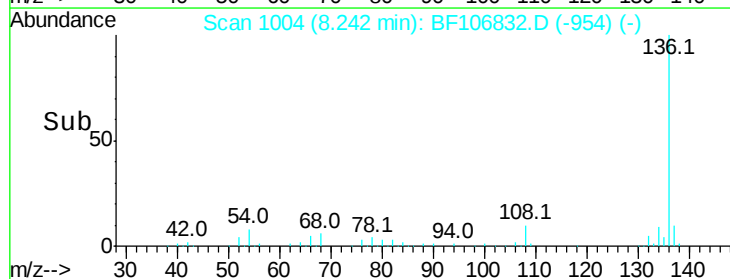
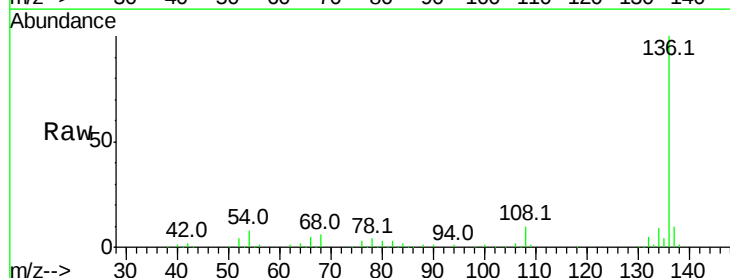
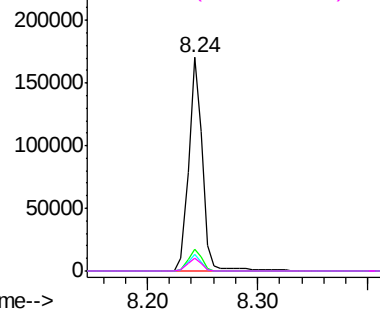
Delta R.T. -0.01 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Tgt Ion:	136	Resp:	145284
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.7	6.6	9.8
68	6.1	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





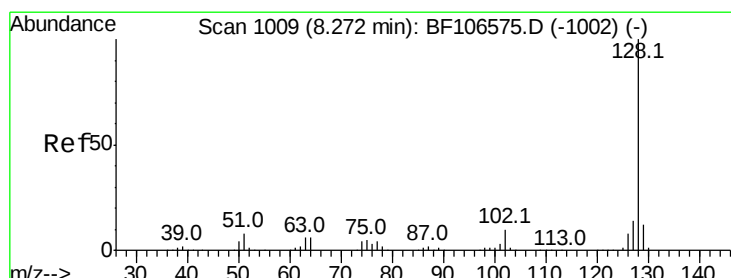
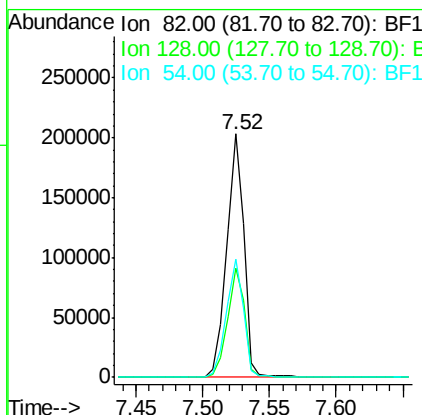
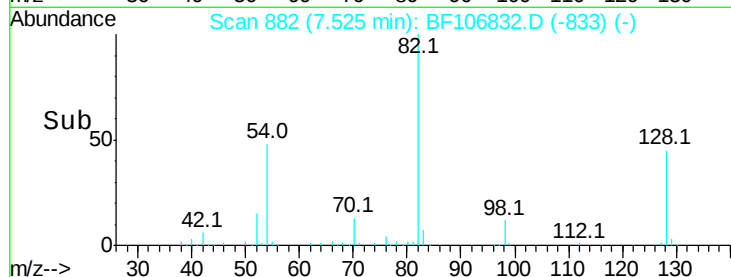
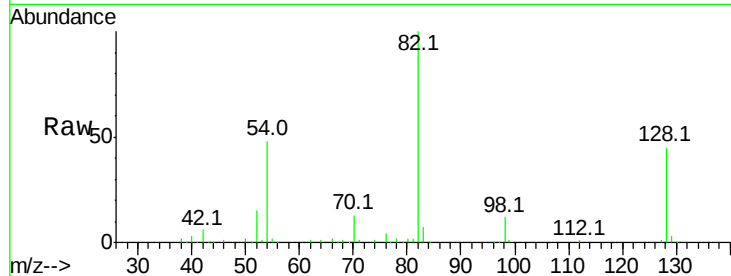
#23
Nitrobenzene-d5
Concen: 71.592 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	36.1	54.1	
54	48.3	41.4	62.2	

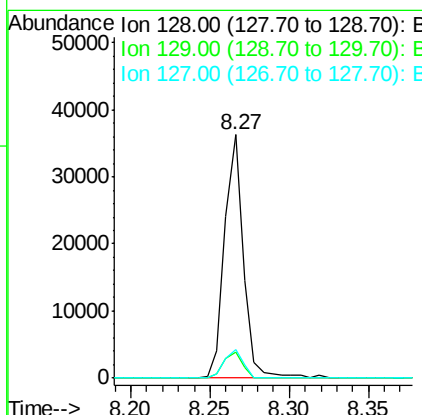
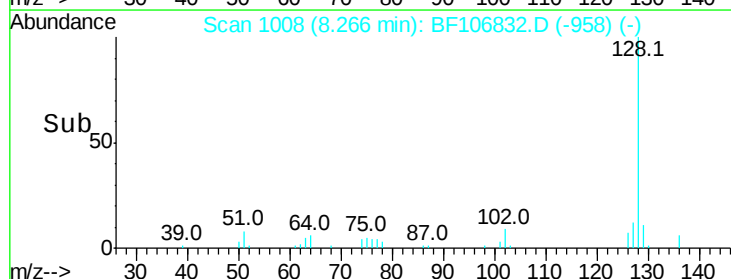
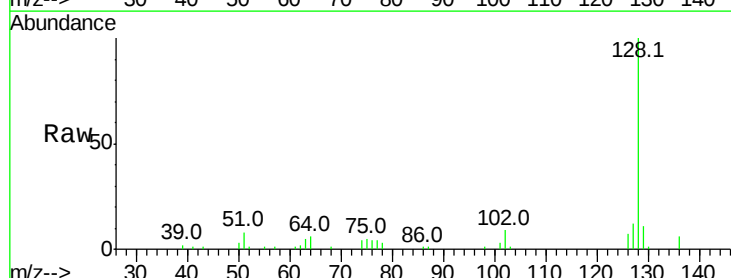
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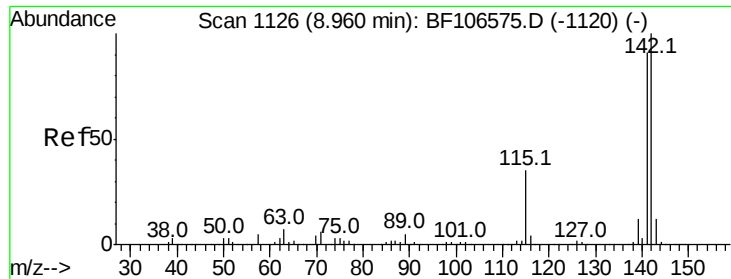
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#31
Naphthalene
Concen: 4.419 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	8.8	13.2	
127	11.5	10.9	16.3	





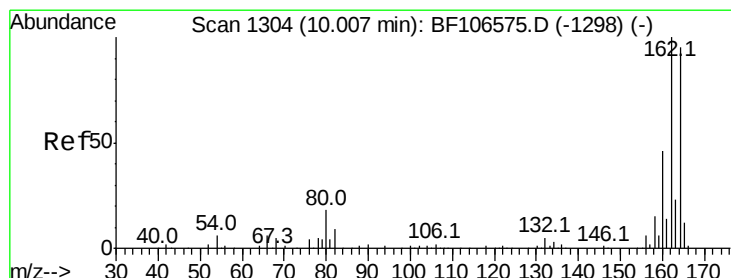
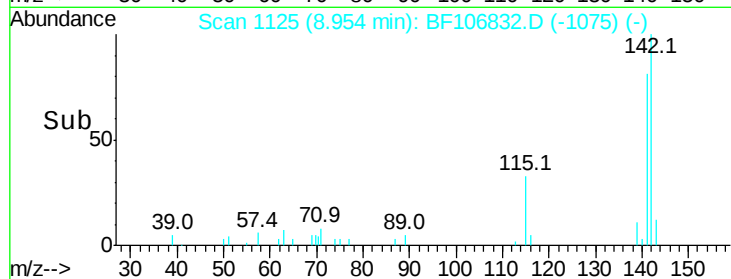
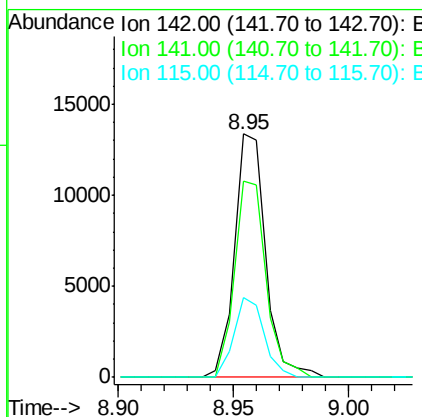
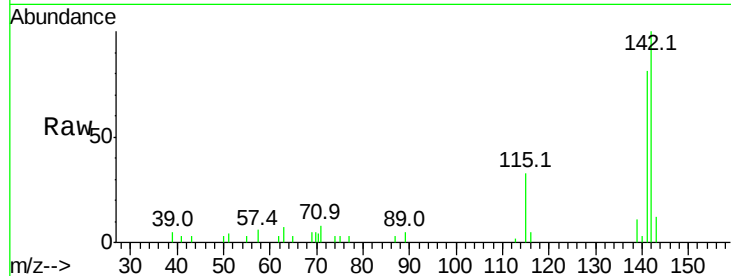
#37
2-Methylnaphthalene
Concen: 2.795 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	80.8	70.8	106.2
115	32.6	26.1	39.1

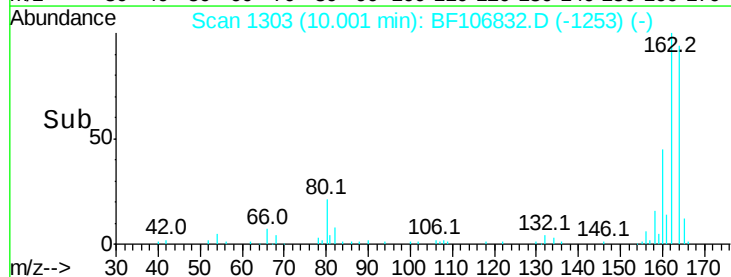
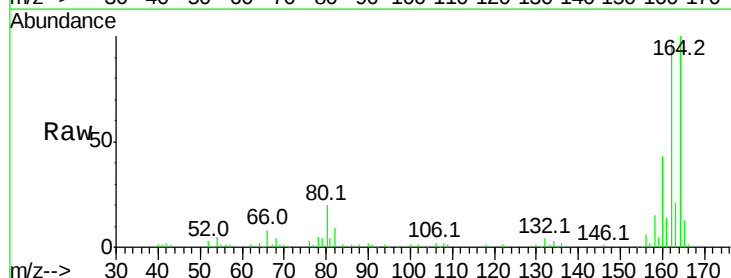
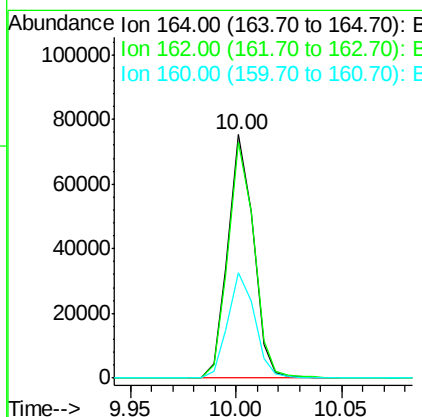
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	86.1	129.1
160	43.3	38.3	57.5





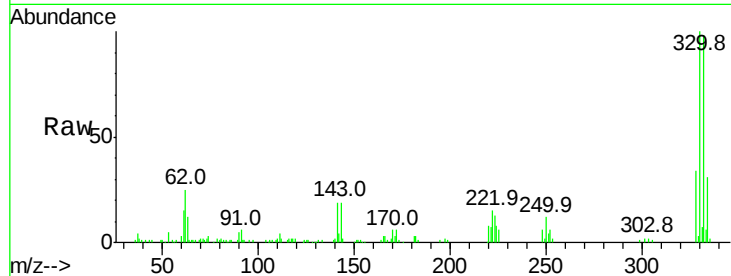
#41
 2,4,6-Tribromophenol
 Concen: 116.404 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106832.D
 Acq: 26 Jun 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

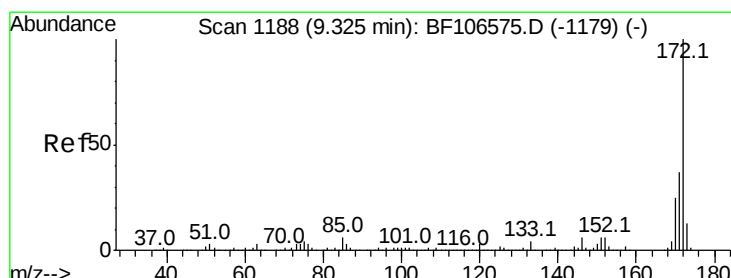
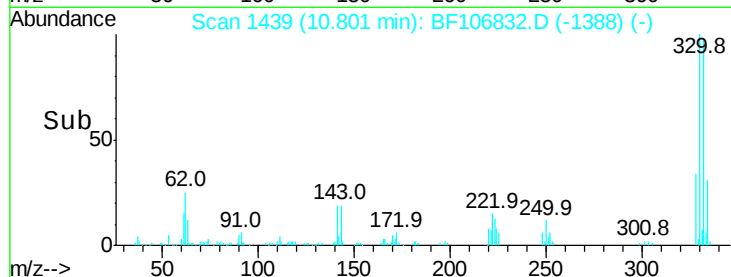
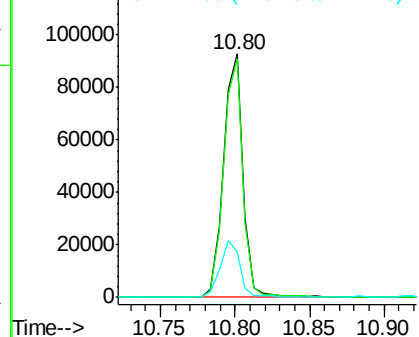
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	24.2	29.9	44.9

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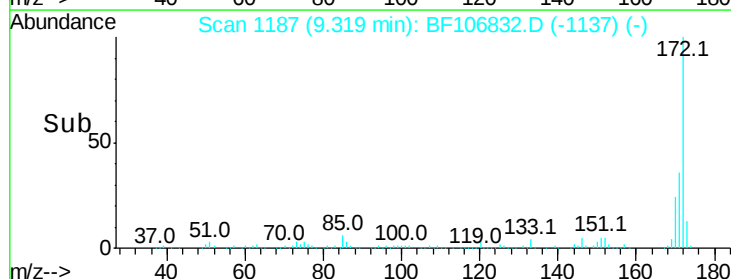
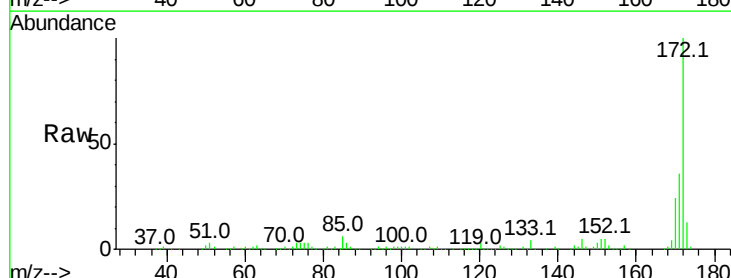
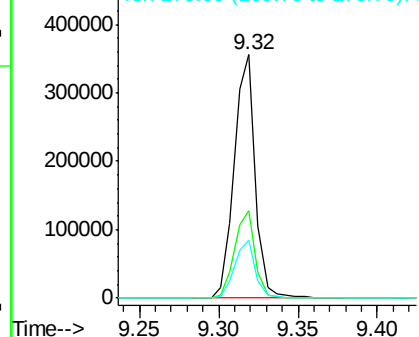
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

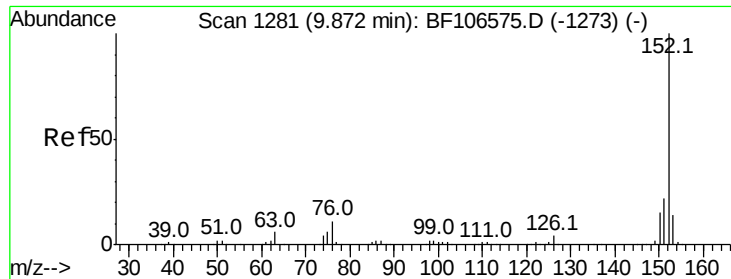


#44
 2-Fluorobiphenyl
 Concen: 87.822 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106832.D
 Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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





#48

Acenaphthylene

Concen: 4.672 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Instrument :

BNA_F

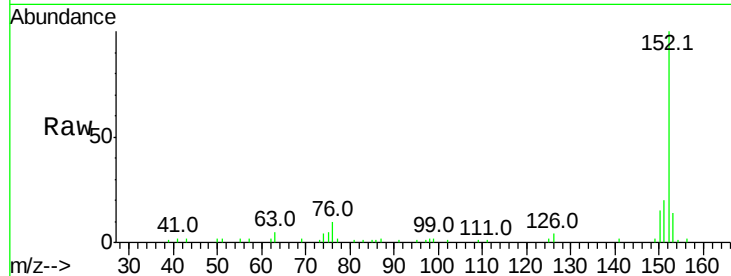
ClientSampleId :

TEST-PIT-2

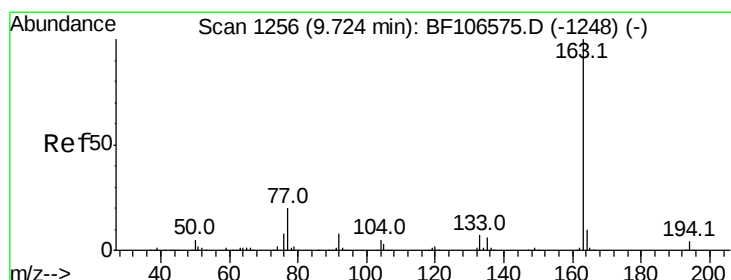
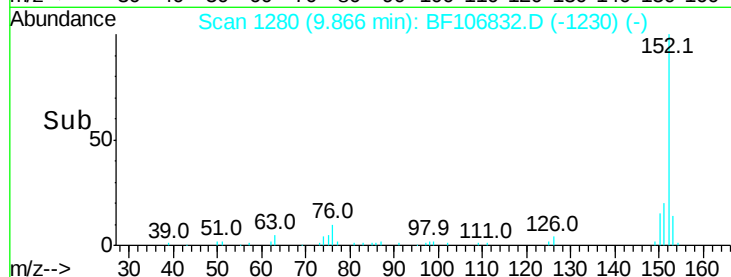
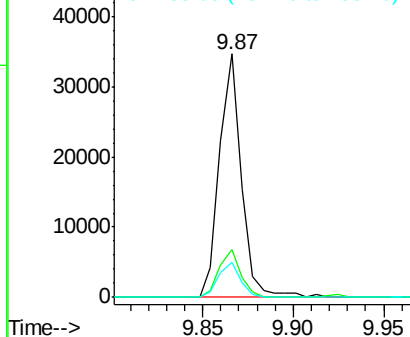
Tot Ion:	152	Resp:	29214
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	14.5	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.278 ng

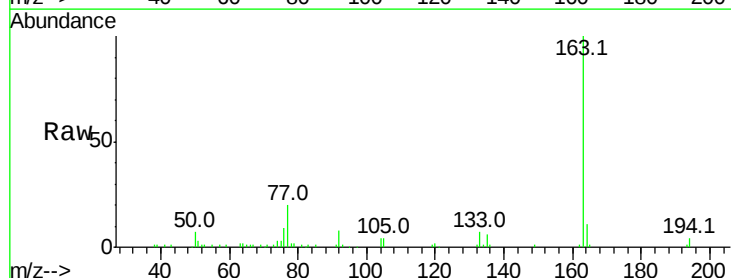
RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

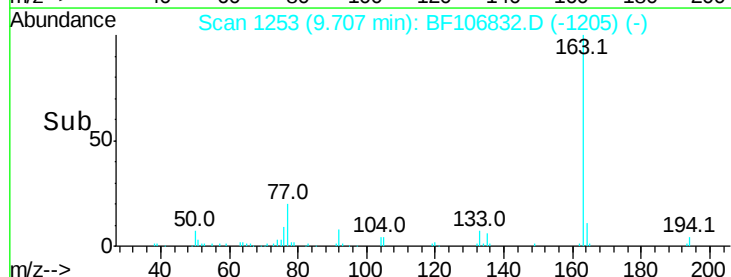
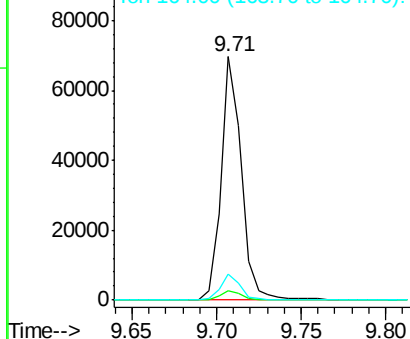
Lab File: BF106832.D

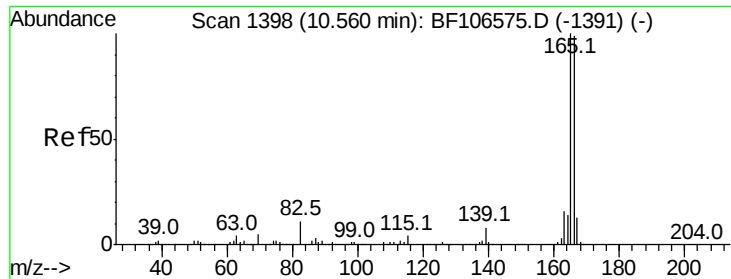
Acq: 26 Jun 2018 19:27

Tgt Ion:	163	Resp:	58134
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	10.9	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 2.315 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Instrument :

BNA_F

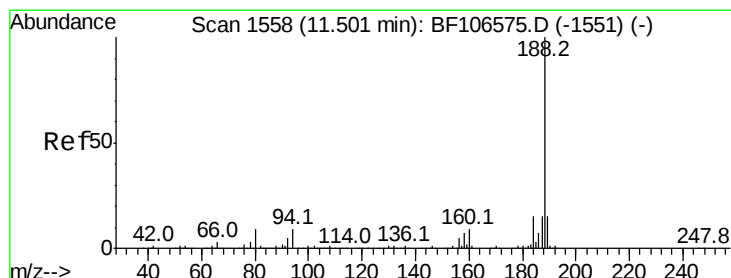
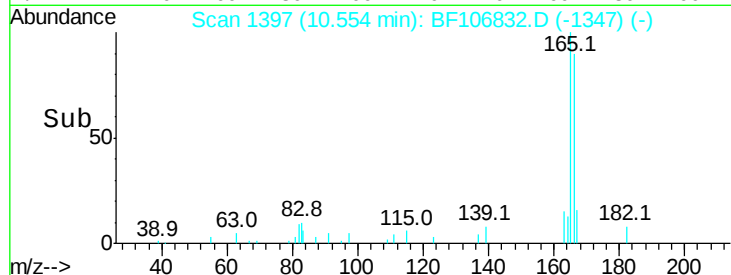
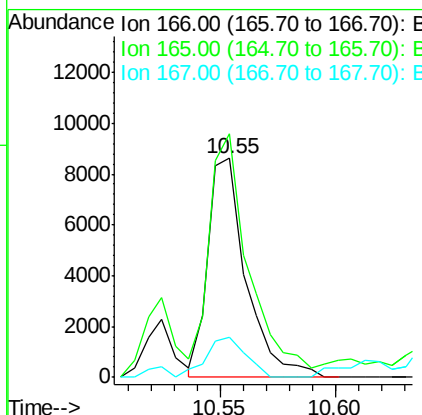
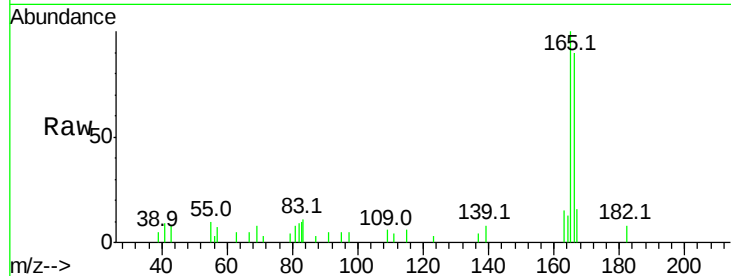
ClientSampleId :

TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.2	79.8	119.8
167	18.2	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

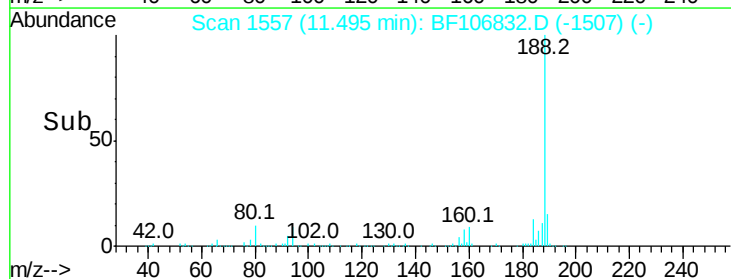
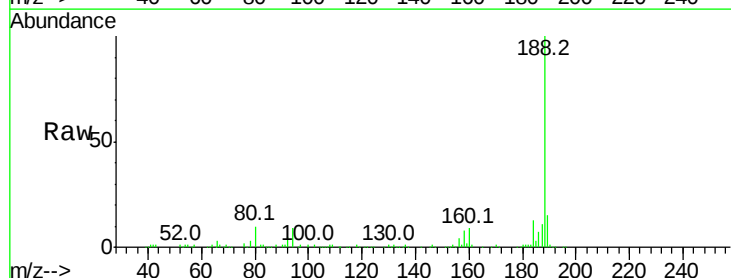
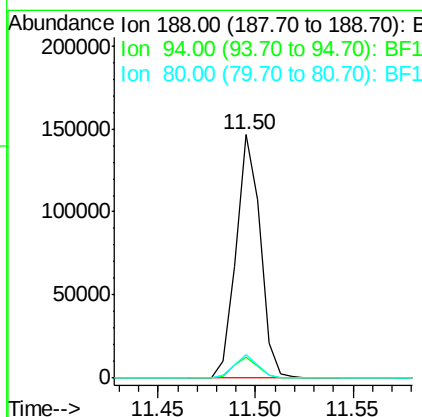
RT: 11.50 min Scan# 1557

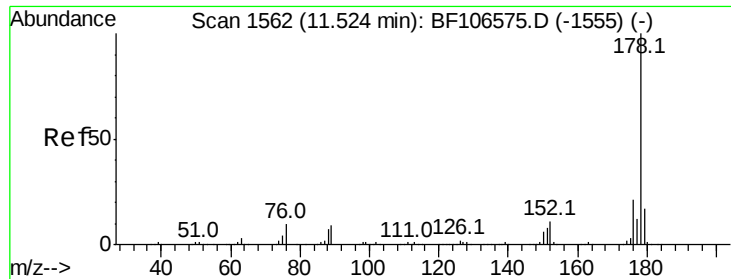
Delta R.T. -0.01 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	9.6	9.2	13.8





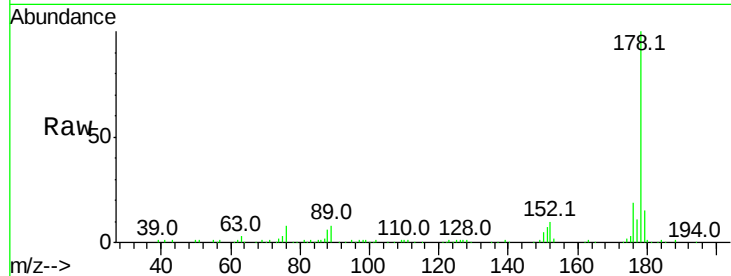
#70
Phenanthrene
Concen: 19.813 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

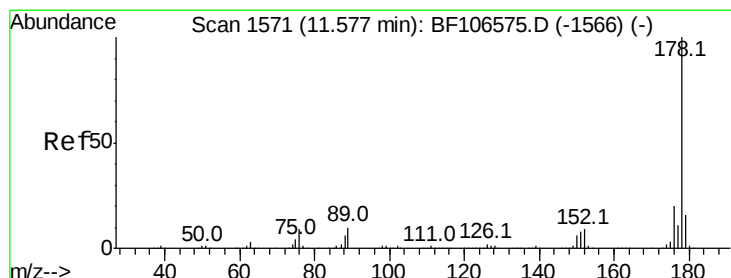
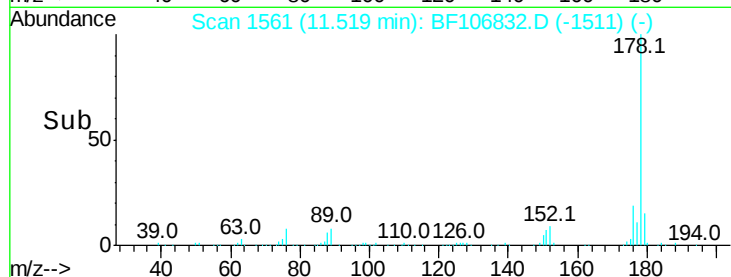
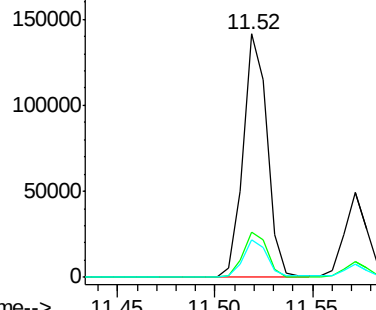
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.5	13.0	19.6

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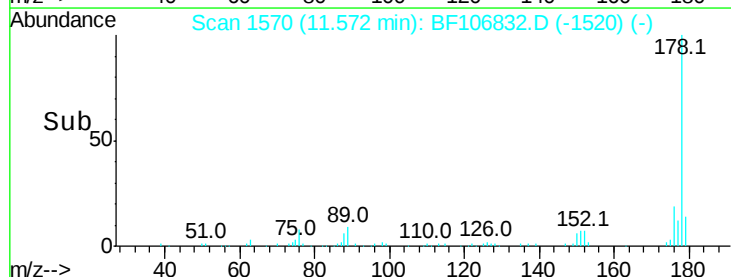
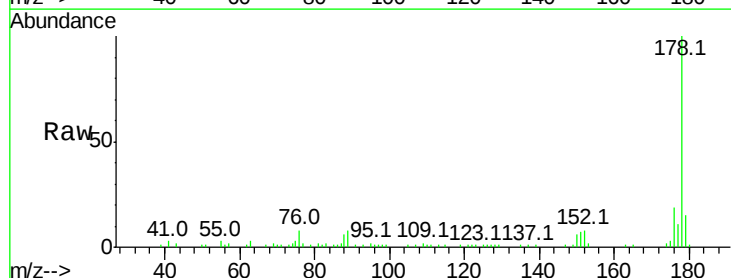
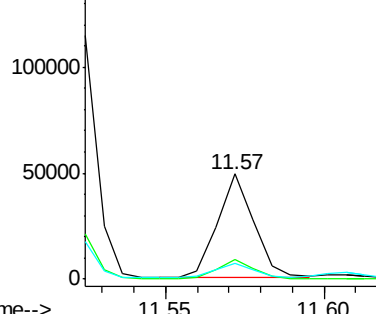
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

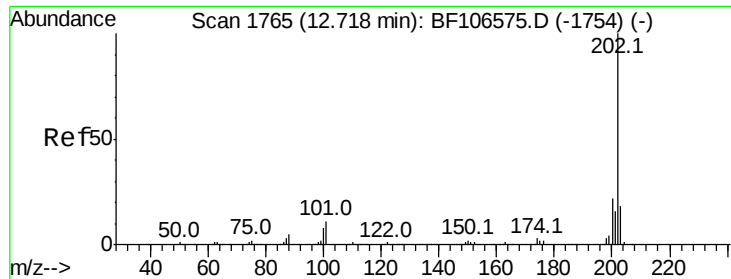


#71
Anthracene
Concen: 6.276 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.6	19.0

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





#74

Fluoranthene

Concen: 41.334 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Instrument :

BNA_F

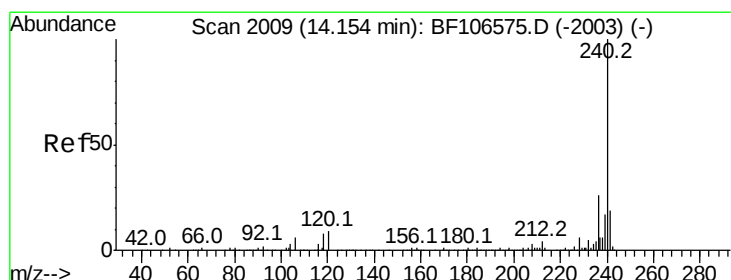
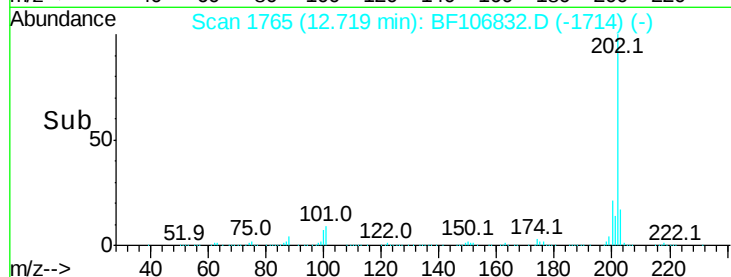
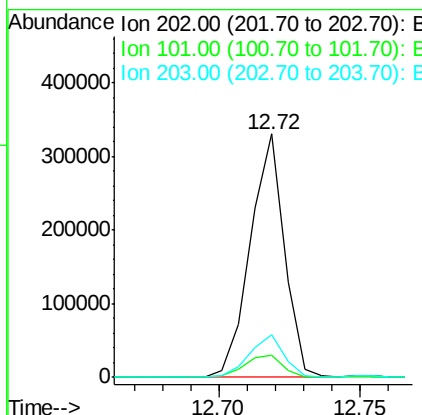
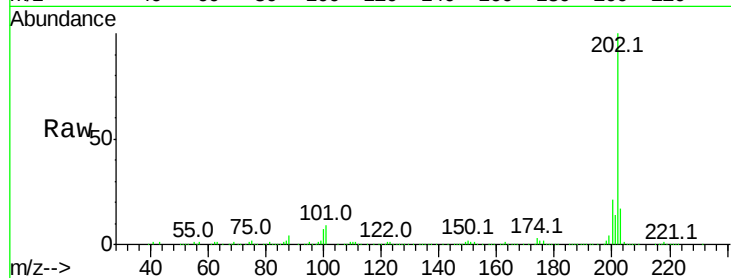
ClientSampled :

TEST-PIT-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	276848		
101	9.2	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

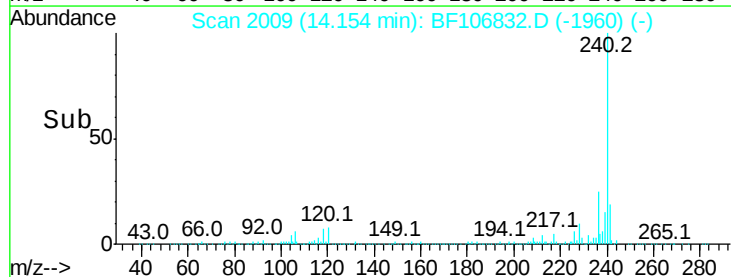
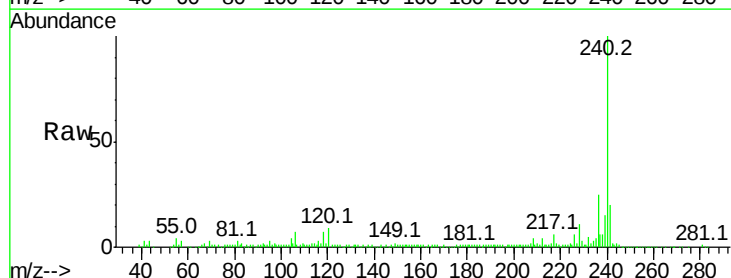
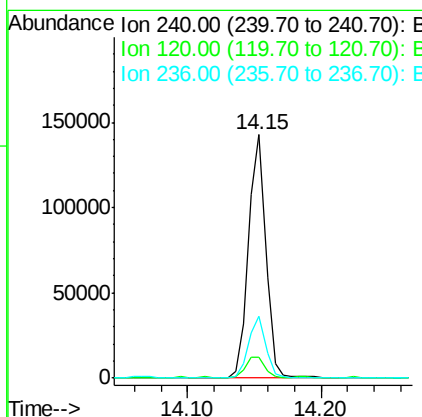
RT: 14.15 min Scan# 2009

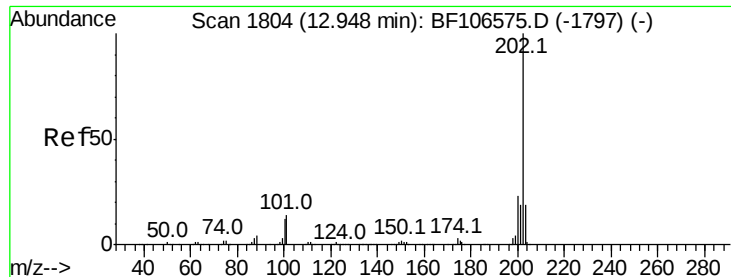
Delta R.T. -0.01 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	127469		
120	8.7	9.5	14.3#	
236	25.2	20.7	31.1	





#77

Pvrene

Concen: 28.129 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Instrument :

BNA_F

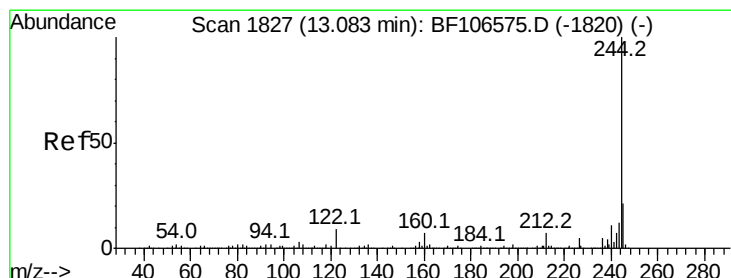
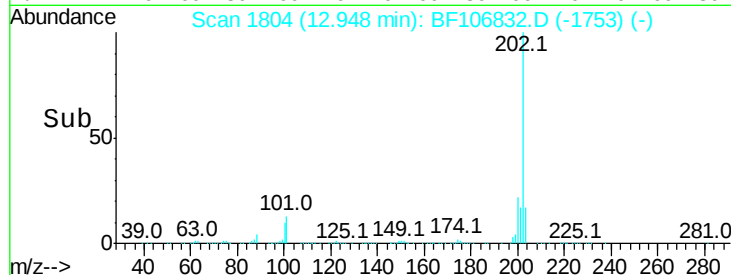
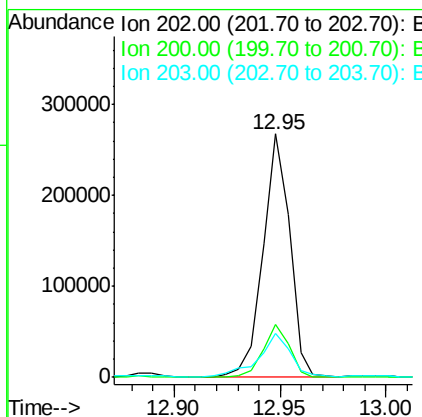
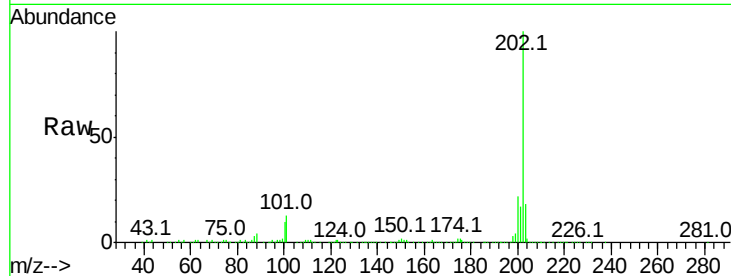
ClientSampleId :

TEST-PIT-2

Tot Ion:	202	Resp:	236447
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 73.524 ng

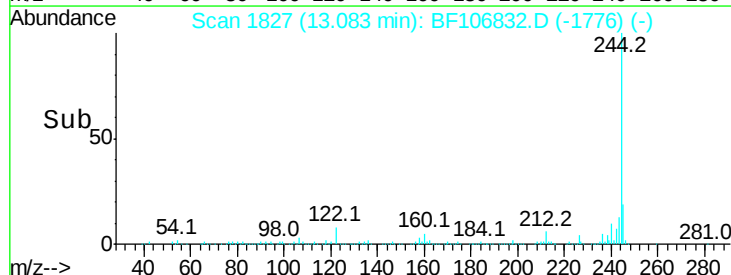
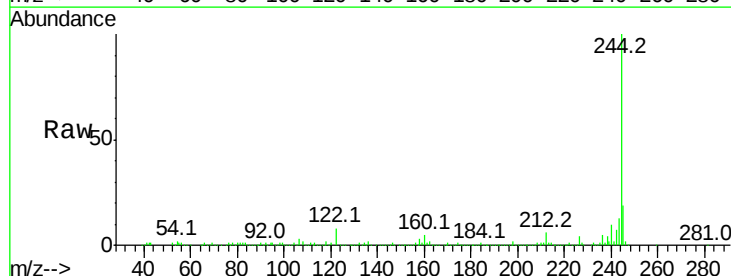
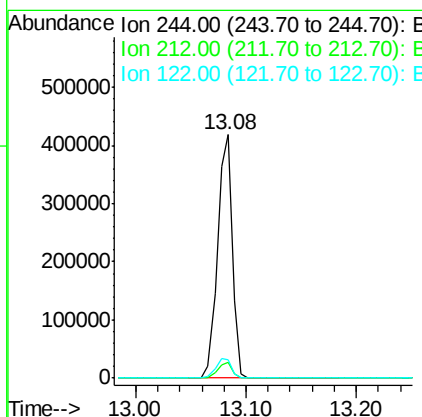
RT: 13.08 min Scan# 1827

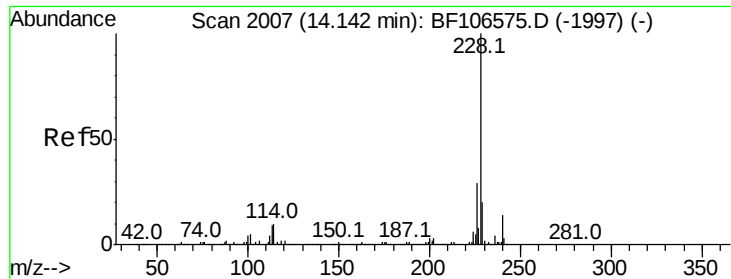
Delta R.T. 0.00 min

Lab File: BF106832.D

Acq: 26 Jun 2018 19:27

Tgt Ion:	244	Resp:	386907
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	7.7	11.0	16.4#





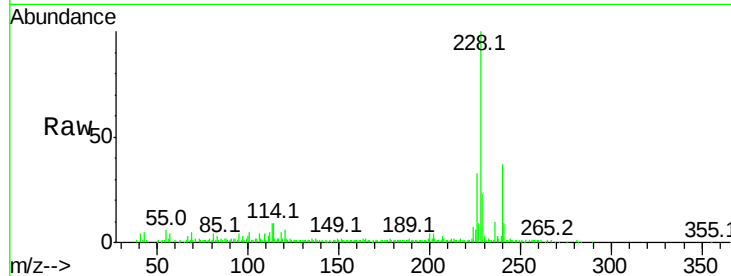
#80
Benzo(a)anthracene
Concen: 10.277 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	22.5	15.8	23.6

Manual Integrations
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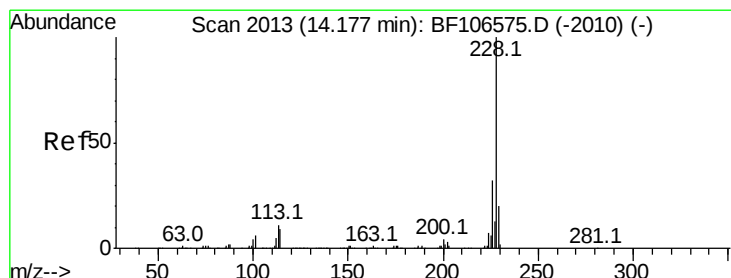
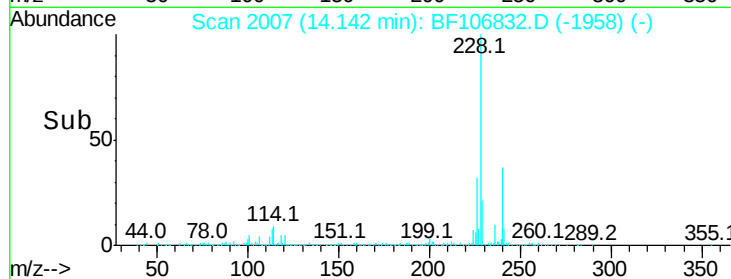
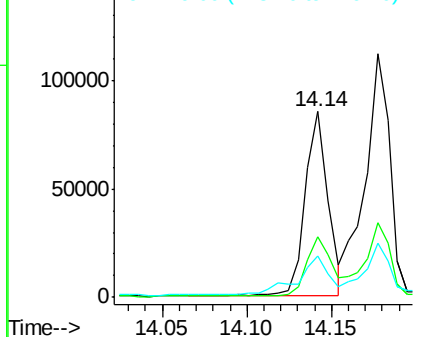


Abundance

Ion 228.00 (227.70 to 228.70): E

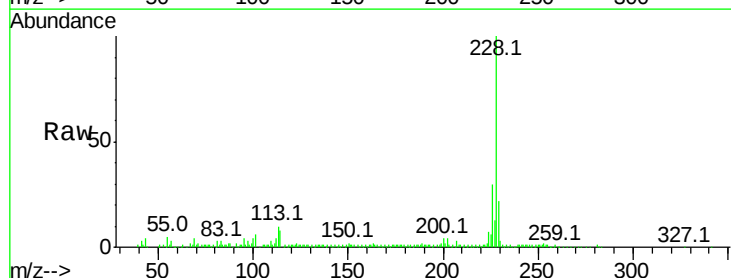
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 16.151 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.1	16.2	24.4

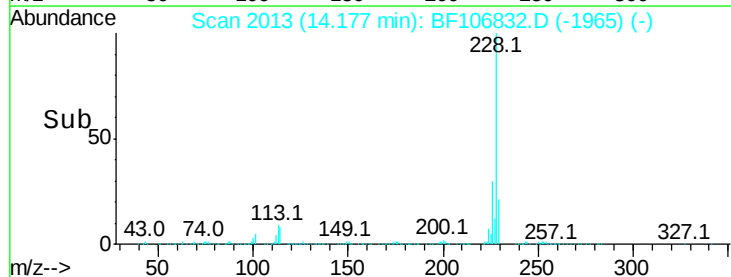
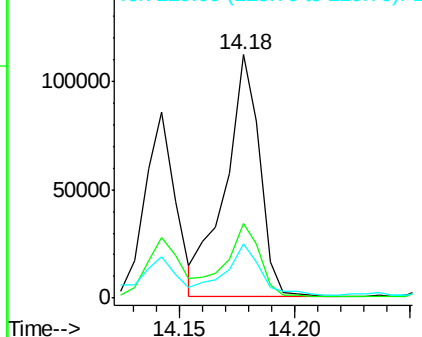


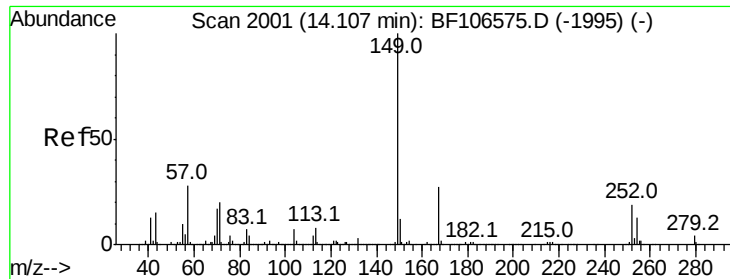
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





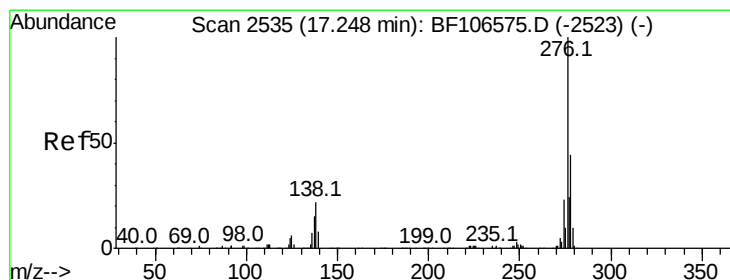
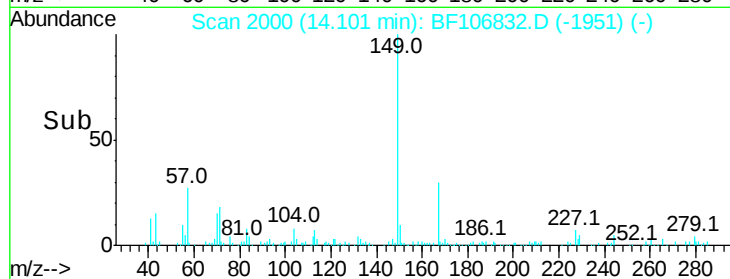
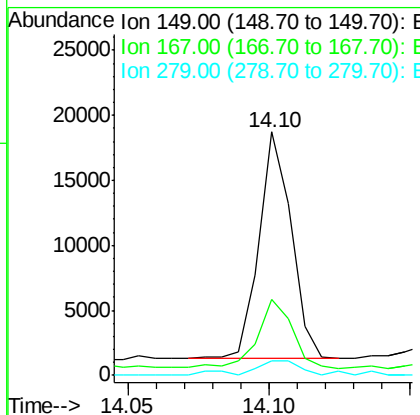
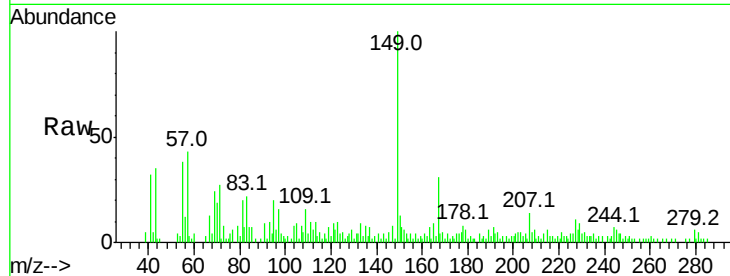
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.135 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF106832.D
 Acq: 26 Jun 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.3	21.3	31.9
279	5.9	3.0	4.4

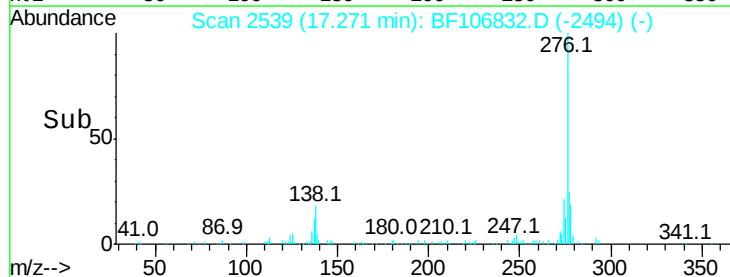
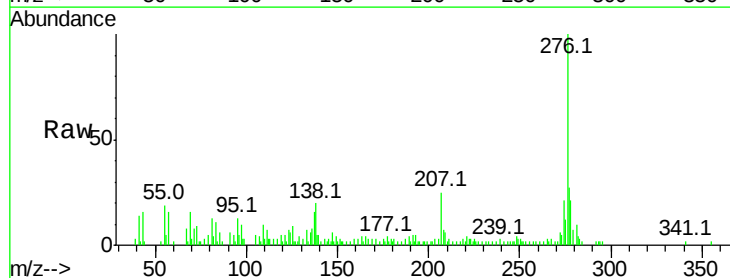
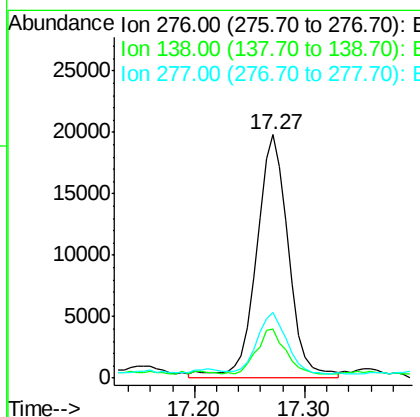
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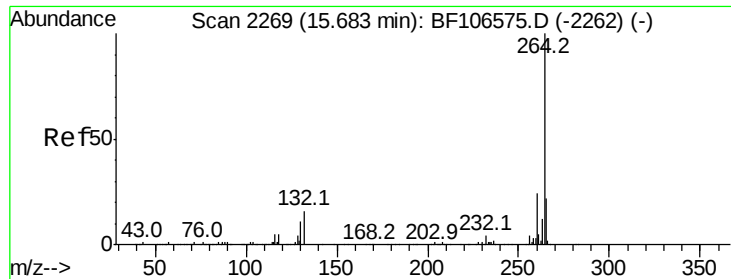
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.672 ng
 RT: 17.27 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF106832.D
 Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	25.0	37.6
277	24.1	20.1	30.1





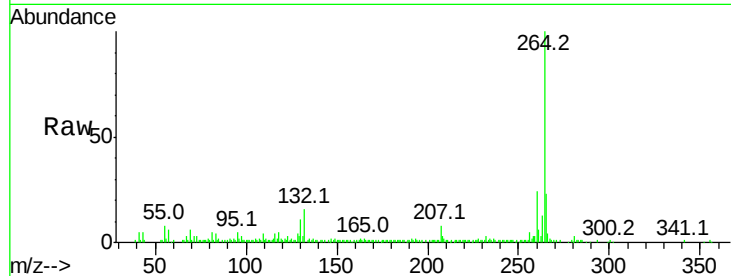
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

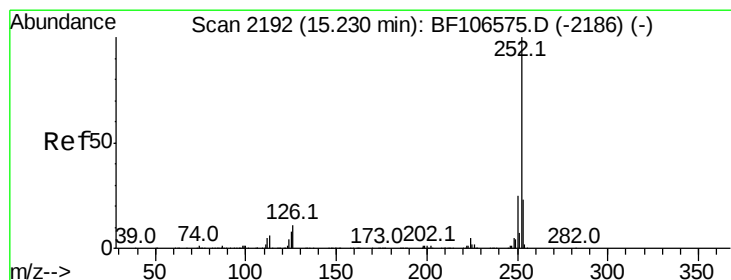
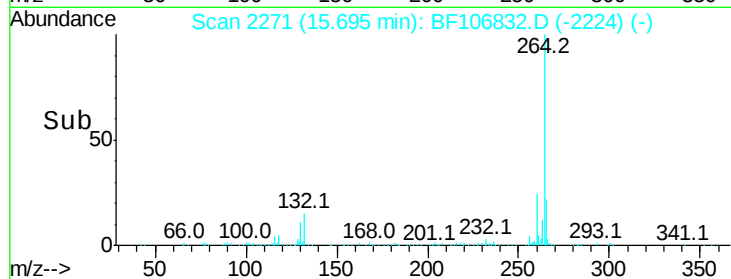
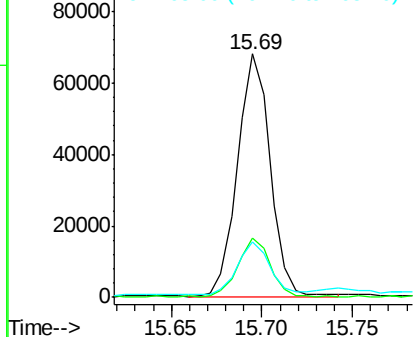
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.0	17.5	26.3

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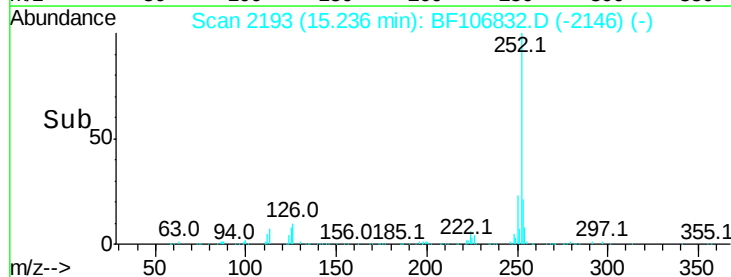
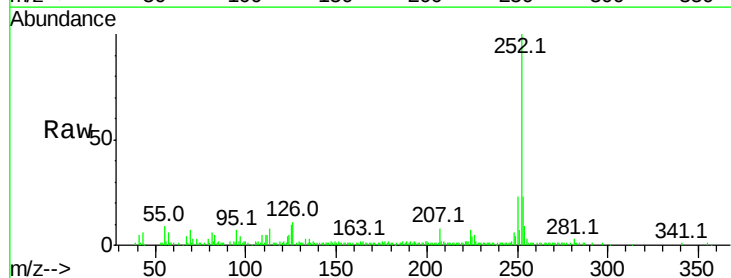
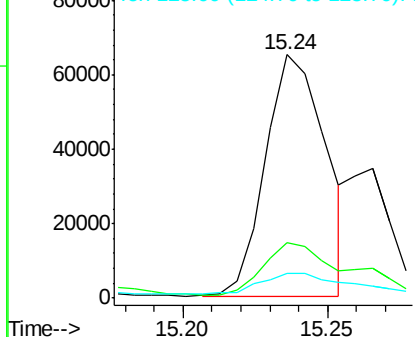
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

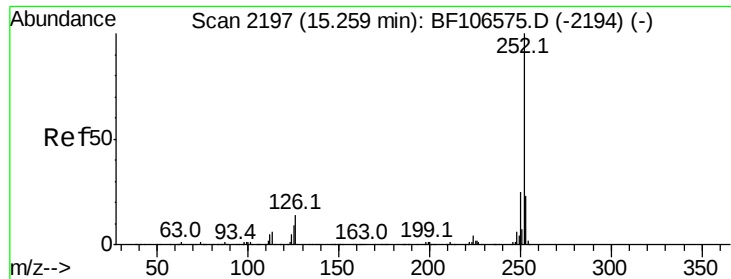


#87
Benzo(b)fluoranthene
Concen: 17.516 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.3	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





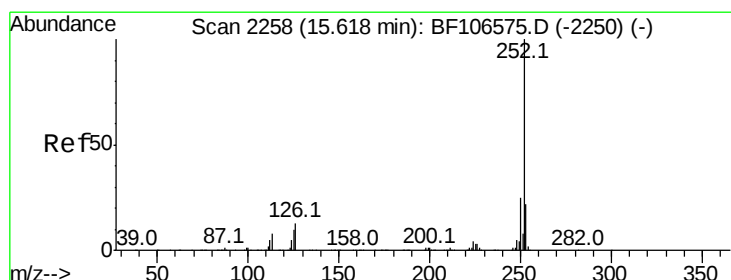
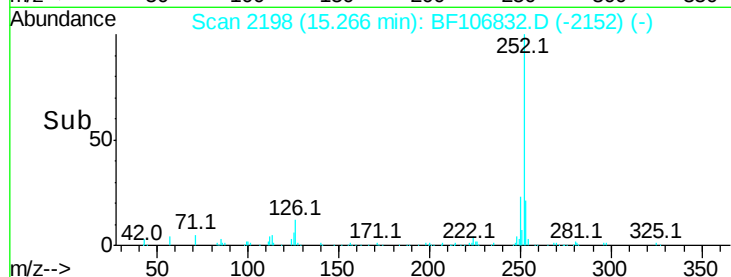
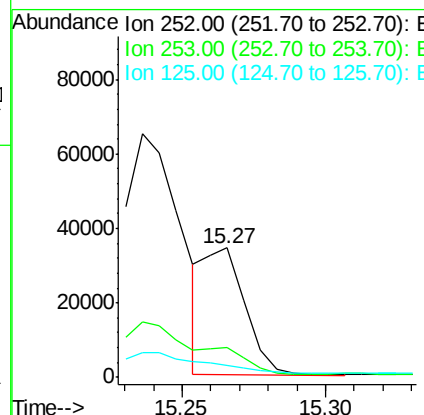
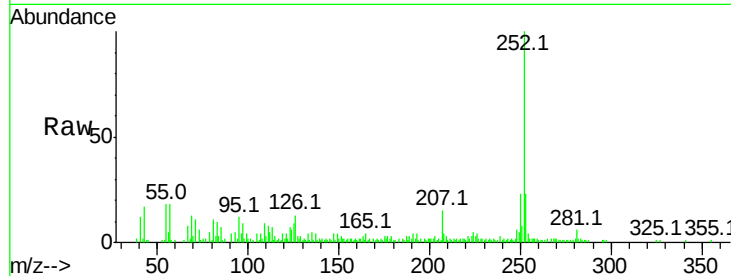
#88
Benzo(k)fluoranthene
Concen: 6.640 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampled :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.5	10.2	15.2#

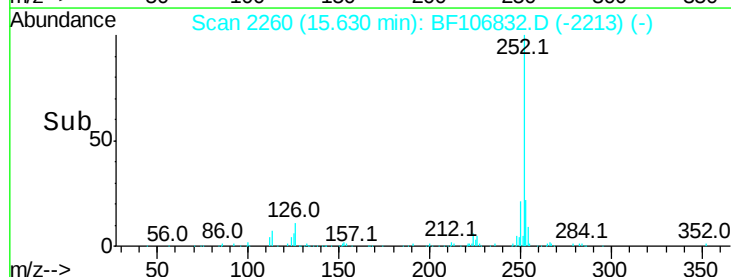
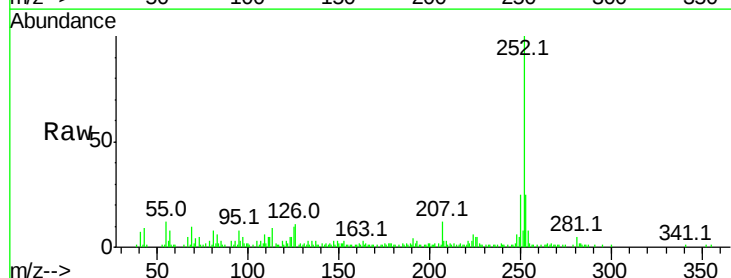
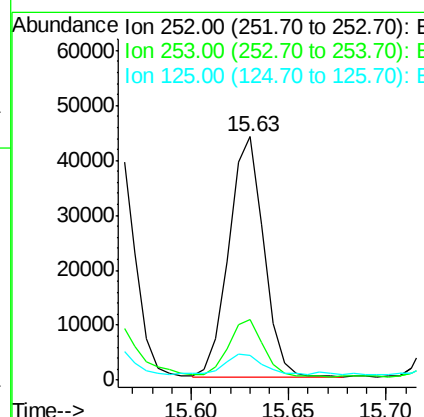
Manual Integrations
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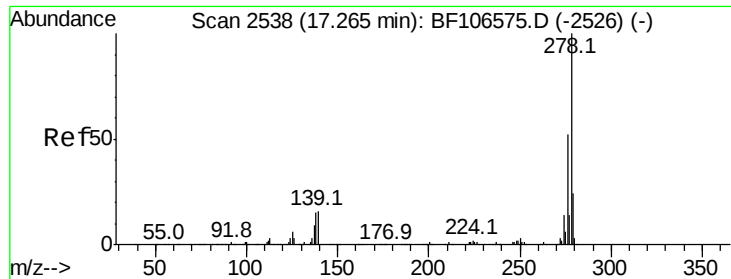
Sohil
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#89
Benzo(a)pyrene
Concen: 11.376 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	10.1	9.8	14.6





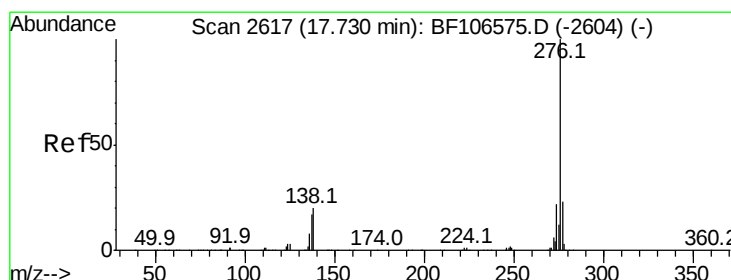
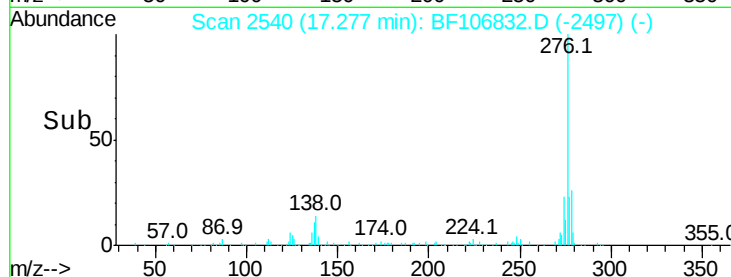
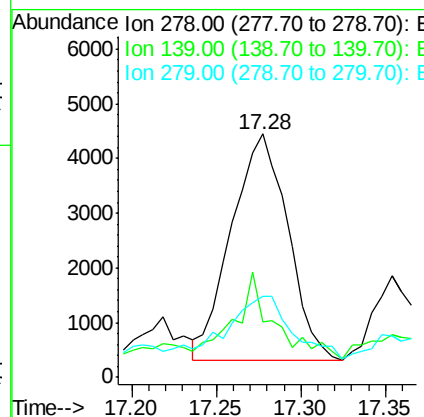
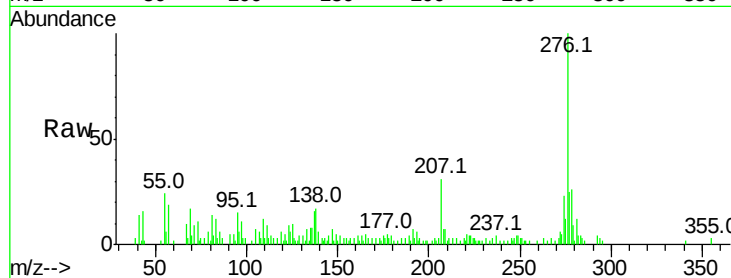
#90
Dibenzo(a,h)anthracene
Concen: 2.384 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.7	15.9	23.9
279	33.1	19.0	28.4

Manual Integrations
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6/27/2018 4:18:30 PM



#91
Benzo(g,h,i)perylene
Concen: 12.080 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.04 min
Lab File: BF106832.D
Acq: 26 Jun 2018 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	18.1	21.8	32.8

