

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107237.D
 Acq On : 9 Jul 2018 19:01
 Operator : JU/SJ
 Sample : J3879-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4

Manual Integrations
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Quant Time: Jul 10 04:27:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	38770	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	139190	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	64462	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	122746	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	95219	20.00	ng	-0.02
86) Perylene-d12	15.69	264	68671	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	266882	116.56	ng	0.00
7) Phenol-d6	6.60	99	328345	114.84	ng	-0.01
23) Nitrobenzene-d5	7.51	82	199723	79.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	91000	121.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	355185	95.00	ng	-0.02
78) Terphenyl-d14	13.08	244	403528	102.65	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.61	94	6995	2.144	ng	# 65
48) Acenaphthylene	9.85	152	13878	2.174	ng	98
49) Dimethylphthalate	9.70	163	95389	19.730	ng	99
70) Phenanthrene	11.51	178	104582	17.665	ng	97
71) Anthracene	11.57	178	33959	5.620	ng	98
72) Carbazole	11.72	167	11838	2.092	ng	97
74) Fluoranthene	12.71	202	211872	32.469	ng	95
77) Pyrene	12.95	202	220900	35.181	ng	99
79) Butylbenzylphthalate	13.54	149	8120	3.145	ng	# 96
80) Benzo(a)anthracene	14.14	228	102637	17.686	ng	97
82) Chrysene	14.18	228	94023	17.611	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	7411	2.245	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.29	276	38288	8.451	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	96339m	22.584	ng	
88) Benzo(k)fluoranthene	15.26	252	29643m	7.297	ng	
89) Benzo(a)pyrene	15.63	252	63758	16.813	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	11869	3.693	ng	# 79
91) Benzo(g,h,i)perylene	17.79	276	38409	12.227	ng	# 90

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

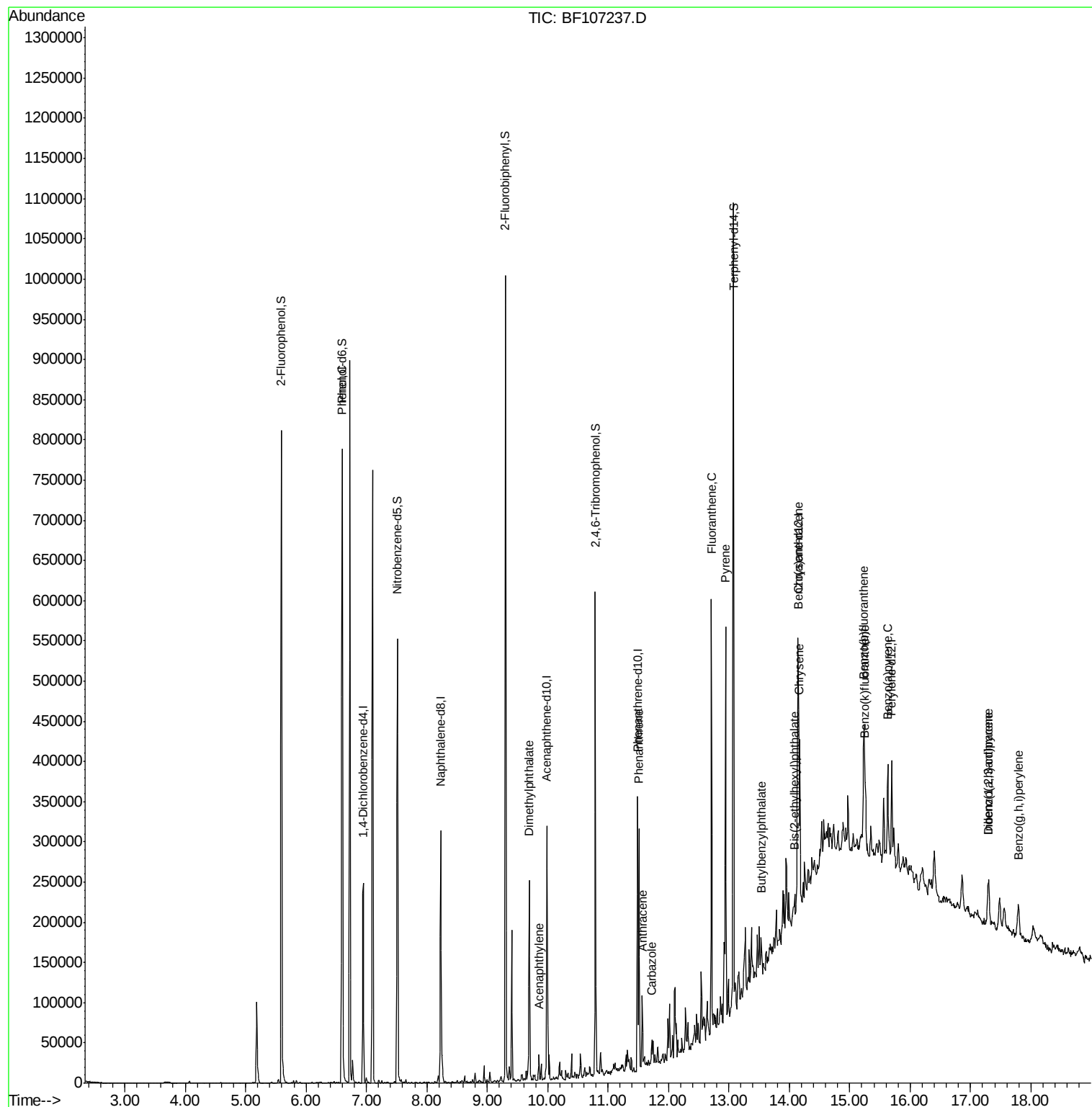
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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ALS Vial : 18 Sample Multiplier: 1

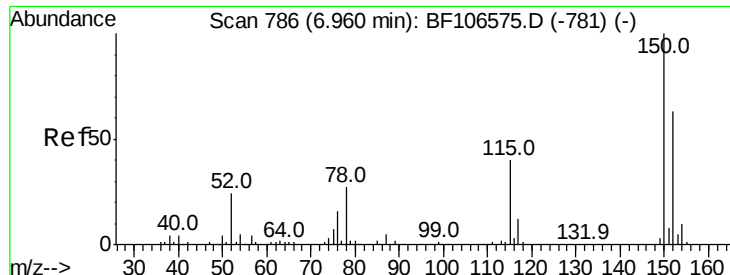
Instrument :
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SURCHARGE-SP-4

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#1

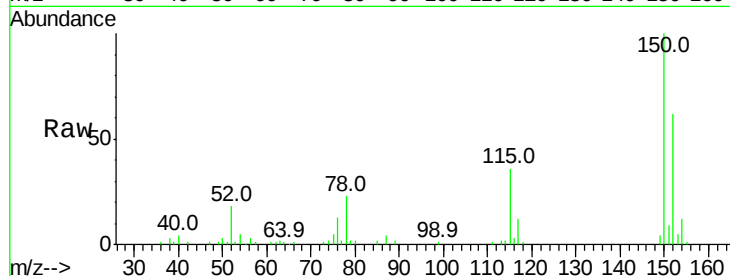
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

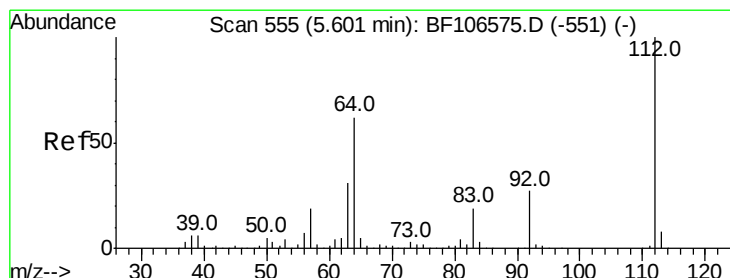
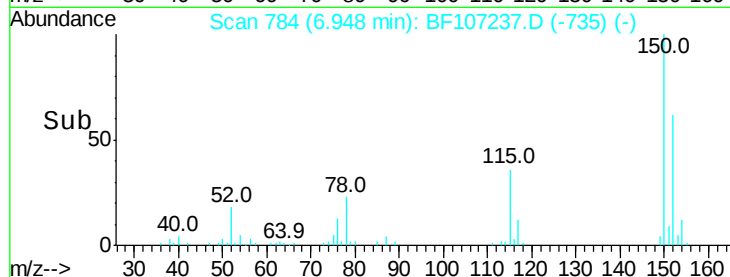
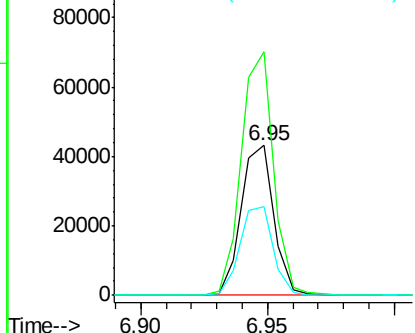
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	59.0	50.1	75.1

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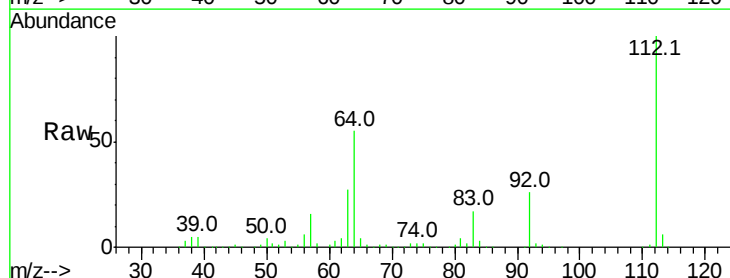
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



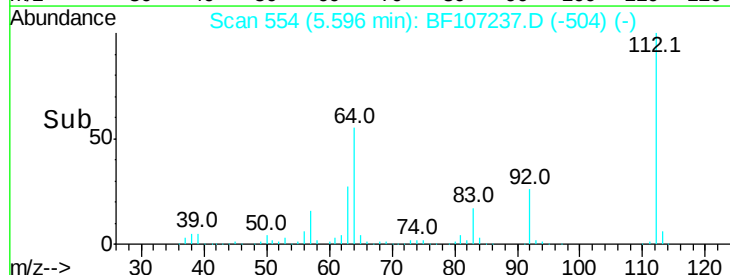
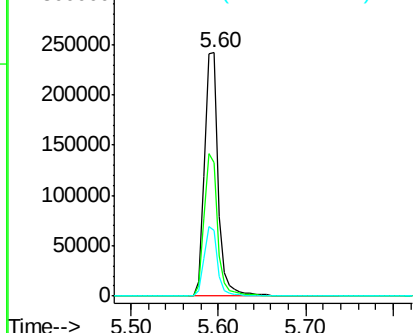
#5

2-Fluorophenol
Concen: 116.563 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 114.836 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Instrument :

BNA_F

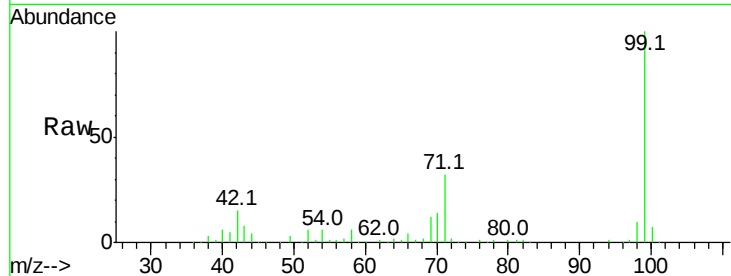
ClientSampleId :

SURCHARGE-SP-4

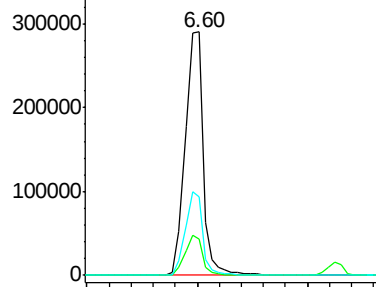
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		328345		
42	15.1	14.5	21.7		
71	32.4	25.4	38.0		

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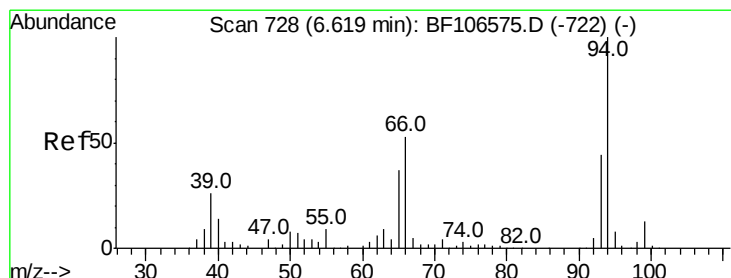
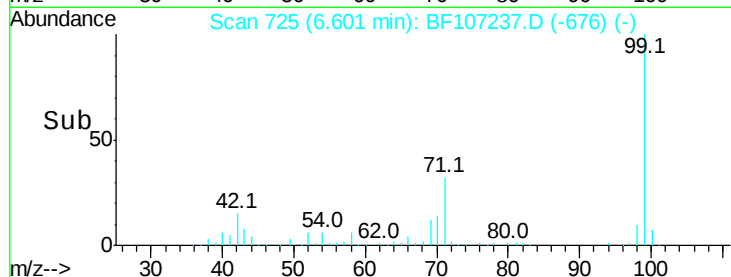
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time--> 6.50 6.60 6.70



#10

Phenol

Concen: 2.144 ng

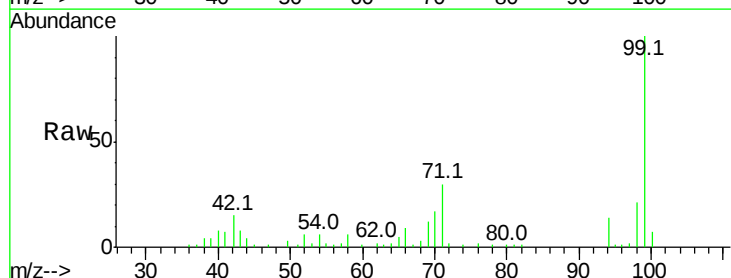
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

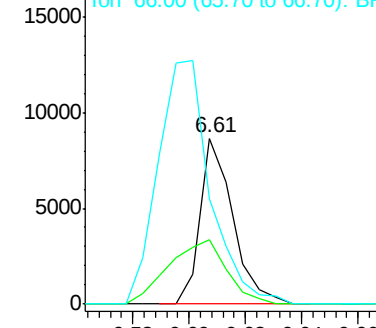
Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

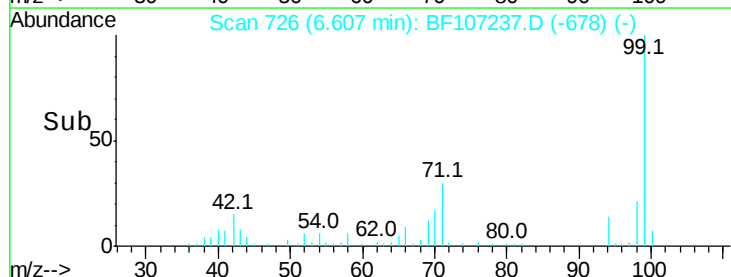
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		6995		
65	39.2	7.9	47.9		
66	63.4	16.2	56.2#		

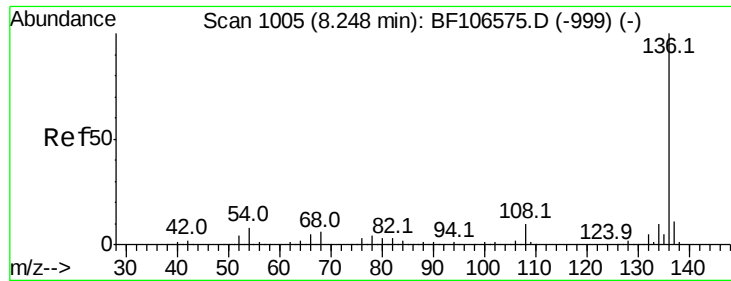


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time--> 6.58 6.60 6.62 6.64 6.66





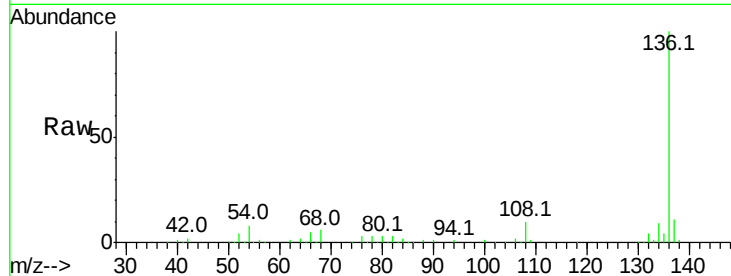
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

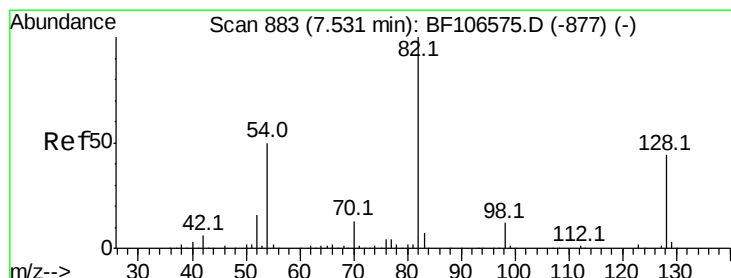
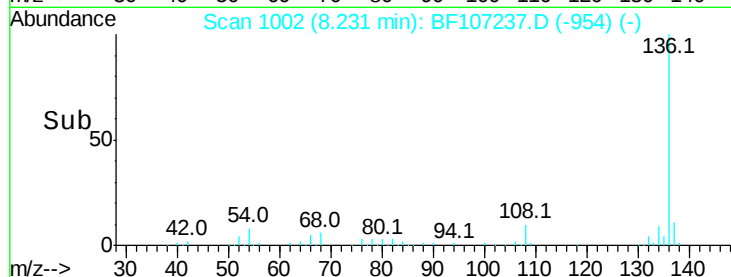
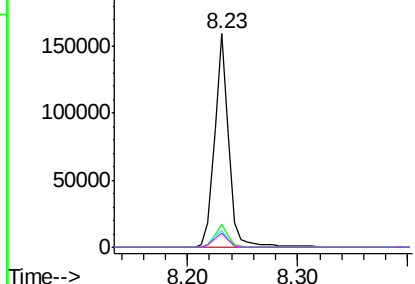
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.6		8.9	13.3	
54	7.8		6.6	9.8	
68	6.4		5.0	7.4	

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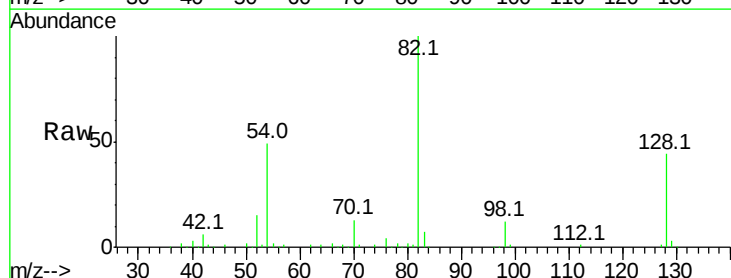


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
200000
Ion 54.00 (53.70 to 54.70): BF1
150000
Ion 68.00 (67.70 to 68.70): BF1
100000
50000
0

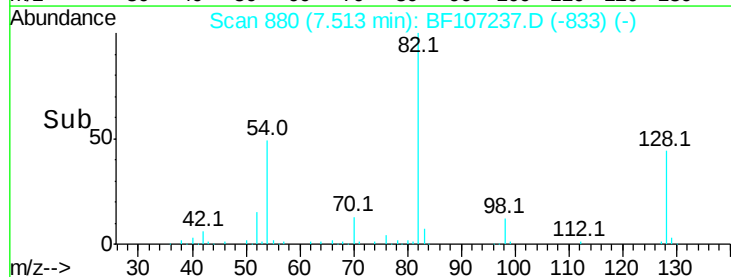
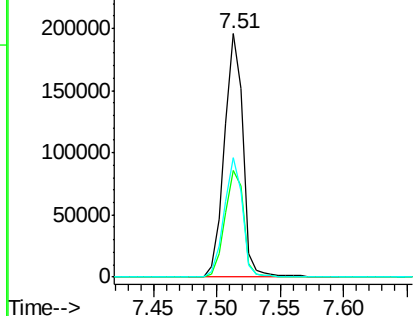


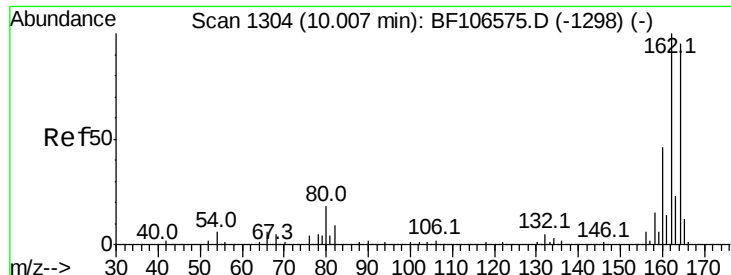
#23
Nitrobenzene-d5
Concen: 79.742 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	43.8		36.1	54.1	
54	49.3		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
250000
Ion 128.00 (127.70 to 128.70): E
200000
Ion 54.00 (53.70 to 54.70): BF1
150000
100000
50000
0





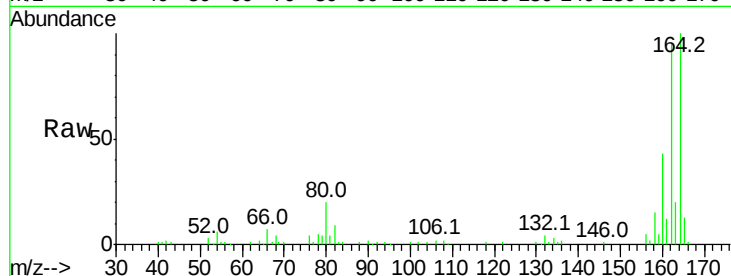
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

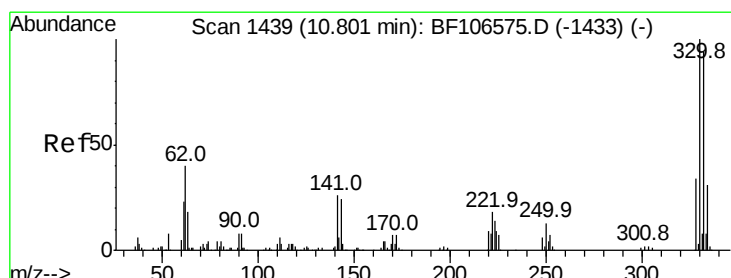
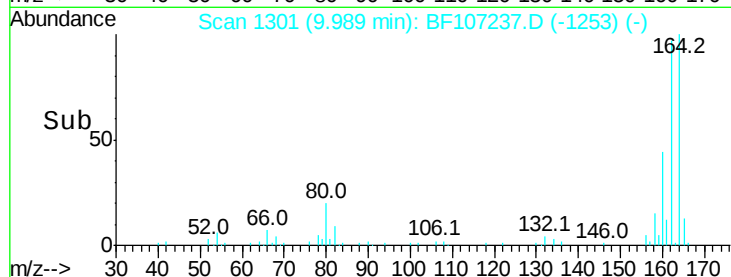
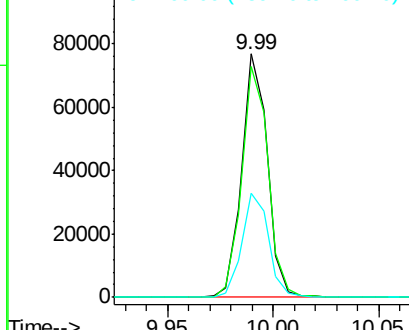
Tot Ion:164 Resp: 64462
Ion Ratio Lower Upper
164 100
162 94.8 86.1 129.1
160 42.7 38.3 57.5

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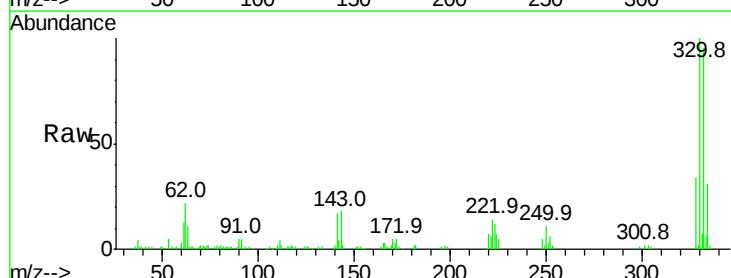


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

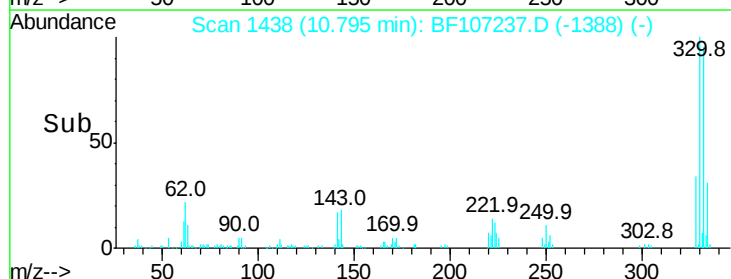
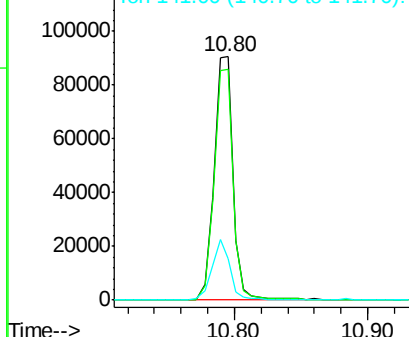


#41
2,4,6-Tribromophenol
Concen: 121.799 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion:330 Resp: 91000
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 23.8 29.9 44.9#



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





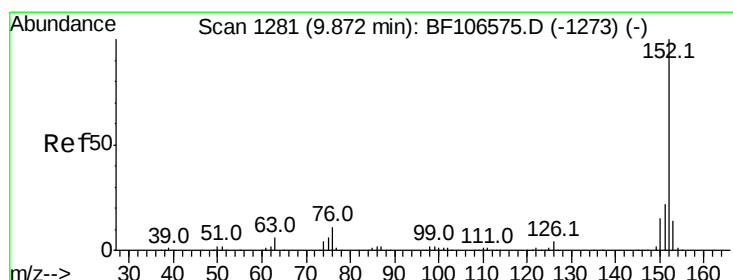
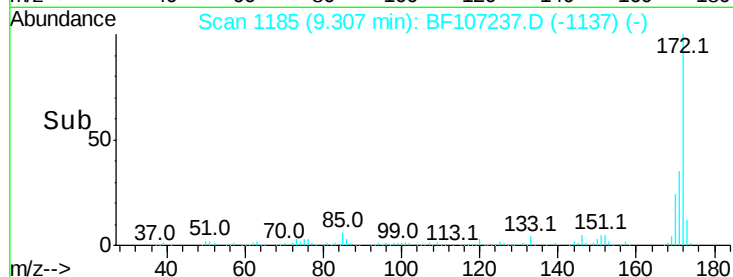
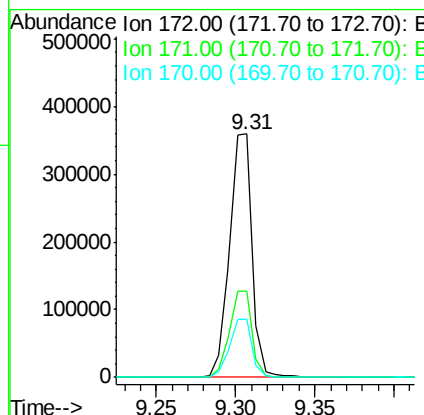
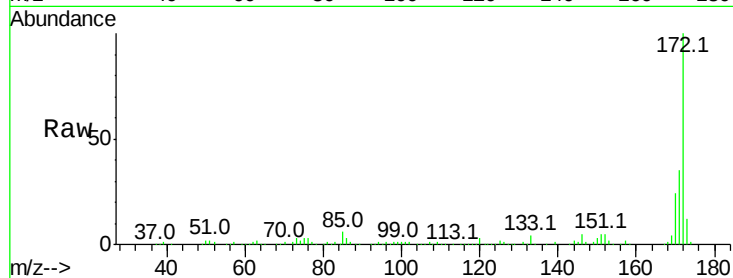
#44
 2-Fluorobiphenyl
 Concen: 94.999 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107237.D
 Acq: 9 Jul 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.0	19.6	29.4

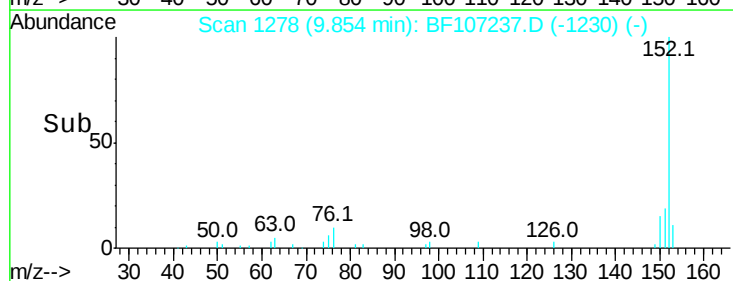
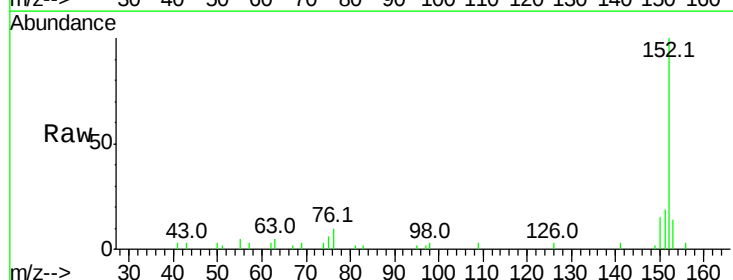
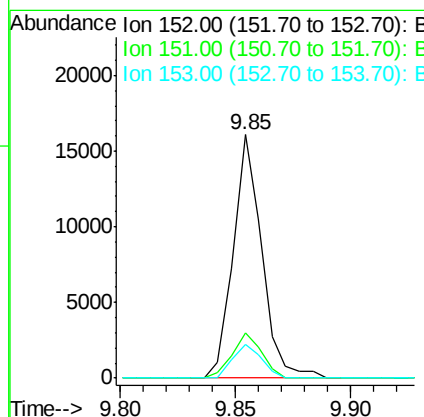
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#48
 Acenaphthylene
 Concen: 2.174 ng
 RT: 9.85 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF107237.D
 Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	13.7	10.7	16.1





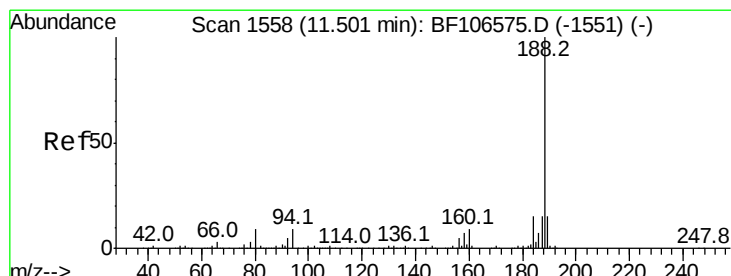
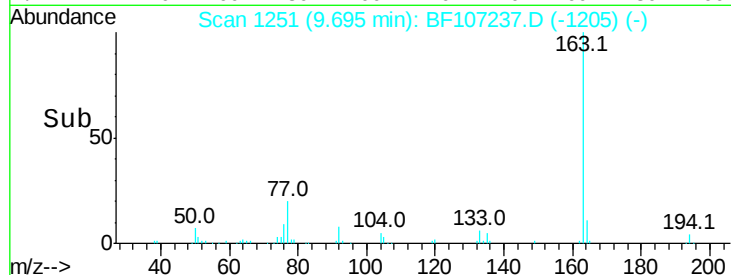
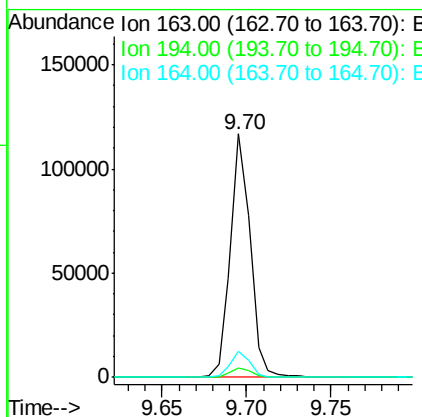
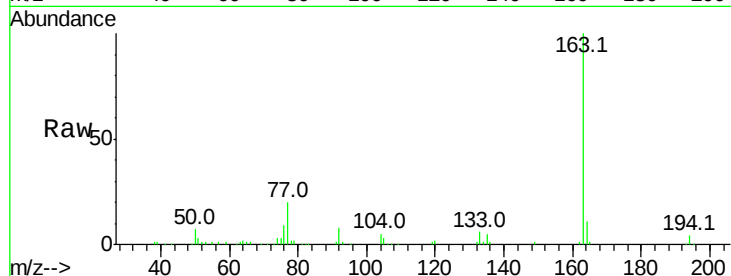
#49
Dimethylphthalate
Concen: 19.730 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.8	8.2	12.2	

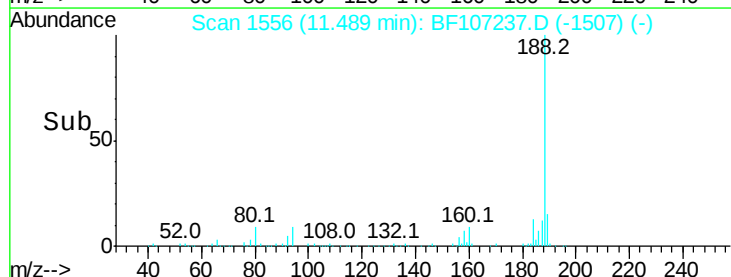
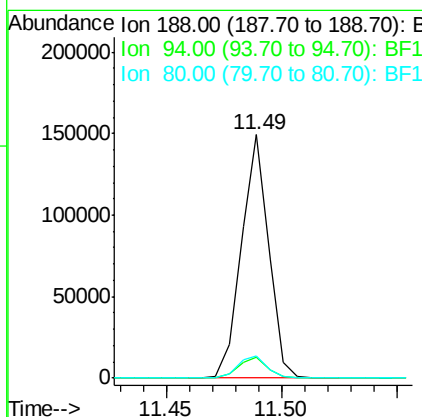
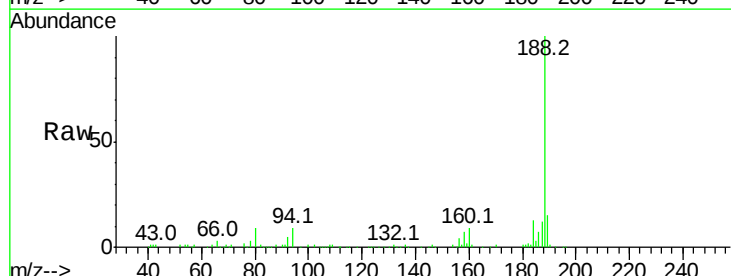
Manual Integrations
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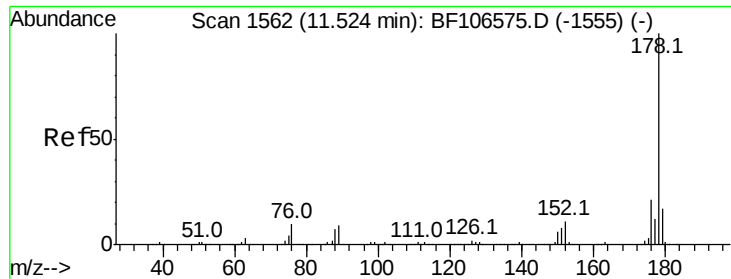
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.7	8.5	12.7	
80	8.9	9.2	13.8	





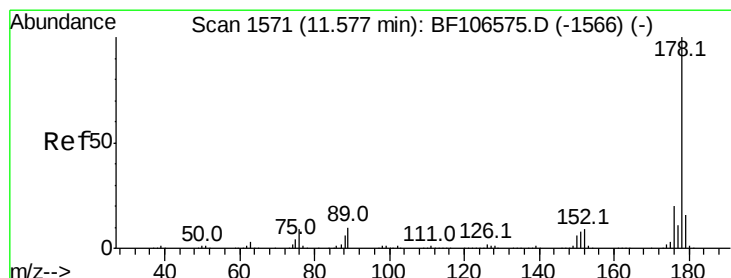
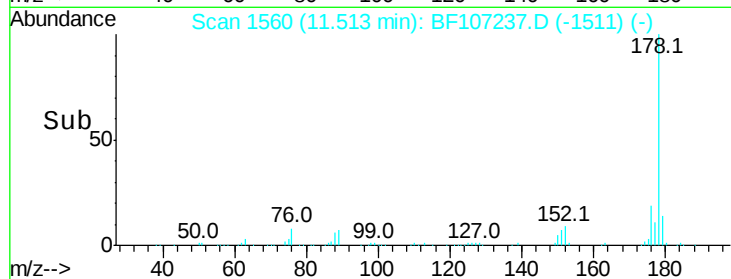
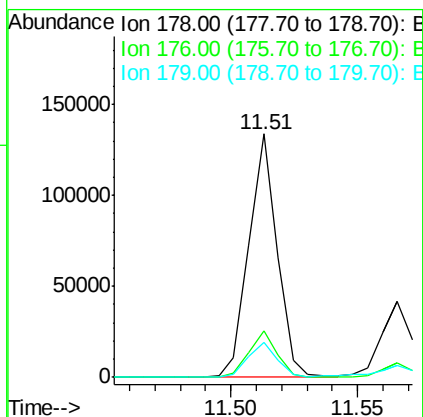
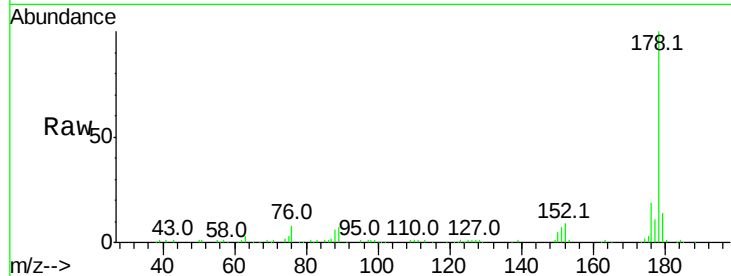
#70
Phenanthrene
Concen: 17.665 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.5	13.0	19.6

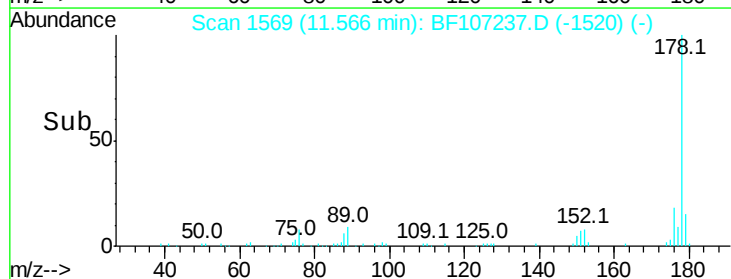
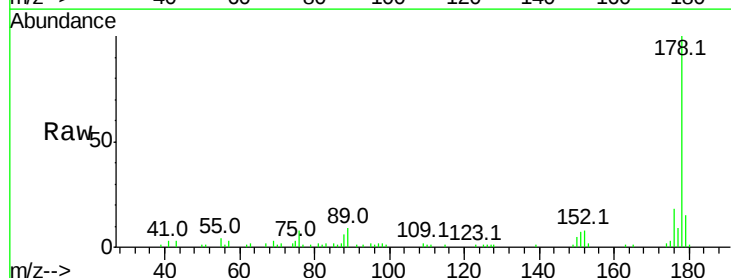
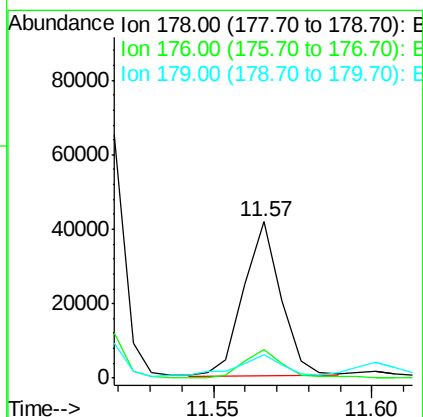
Manual Integrations
APPROVED

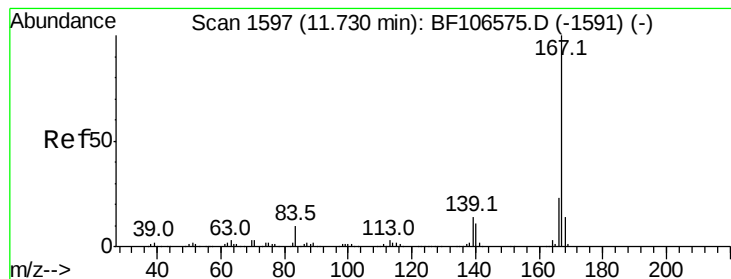
Sohil
7/10/2018 2:46:42 PM



#71
Anthracene
Concen: 5.620 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 2.092 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-4

Tot Ion:167 Resp: 11838

Ion Ratio Lower Upper

167 100

166 22.8 17.6 26.4

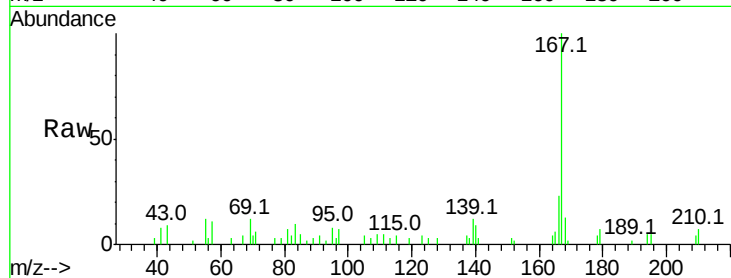
139 11.8 10.9 16.3

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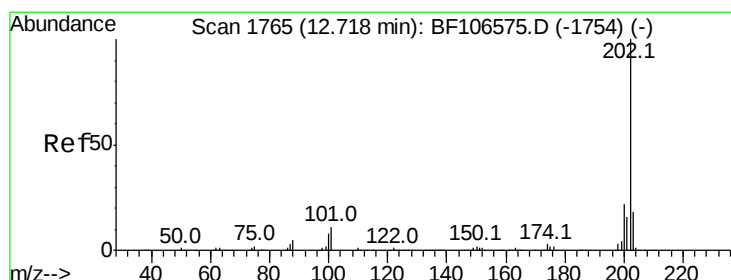
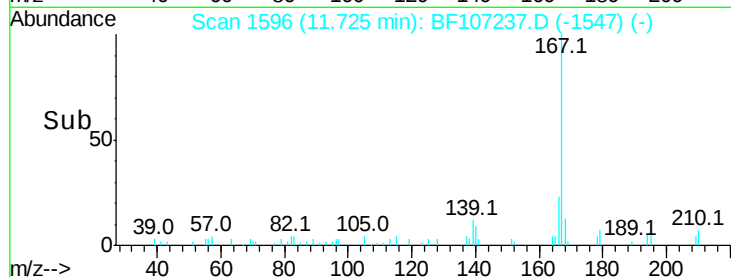
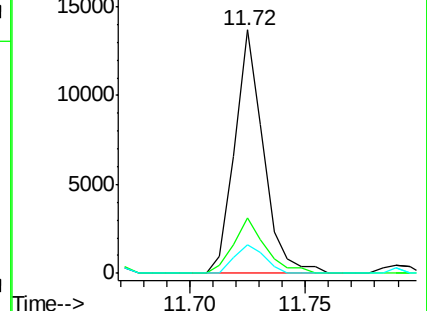
7/10/2018 2:46:42 PM



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: 32.469 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

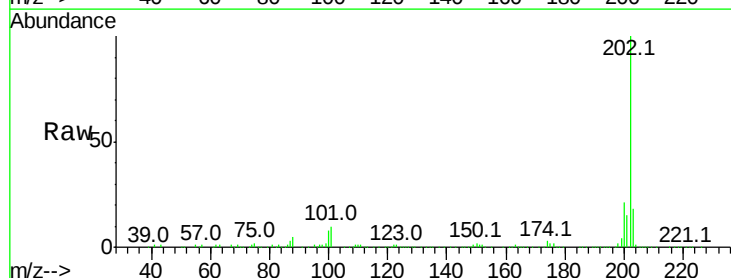
Tgt Ion:202 Resp: 211872

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

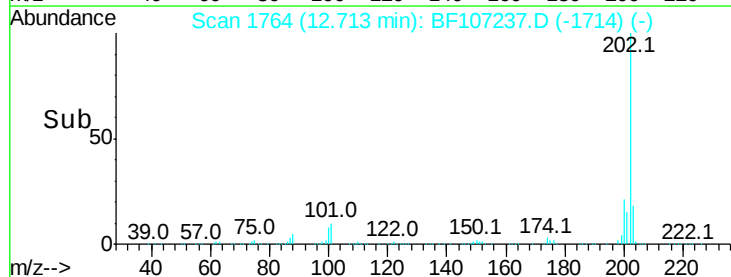
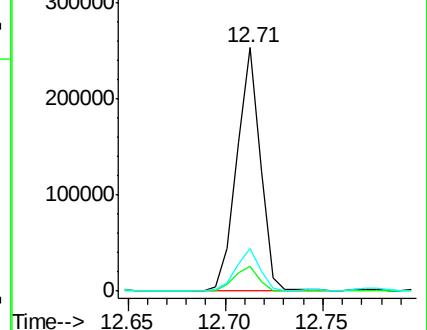
203 17.8 0.0 38.1

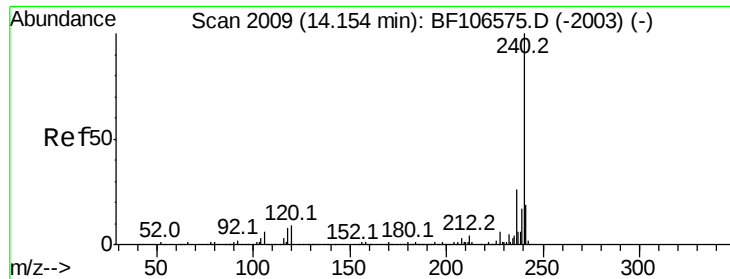


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Instrument :

BNA_F

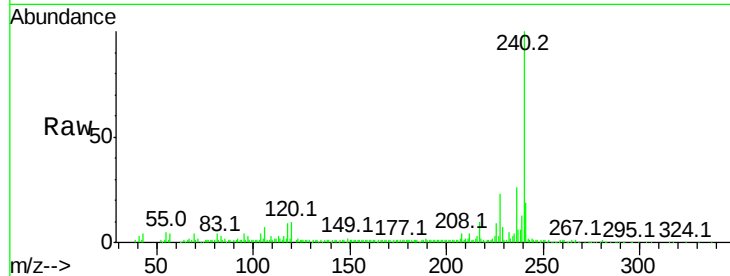
ClientSampleId :

SURCHARGE-SP-4

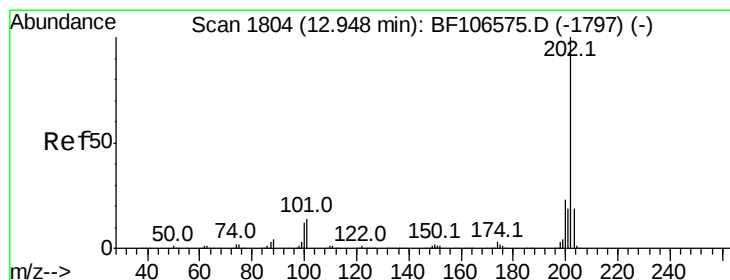
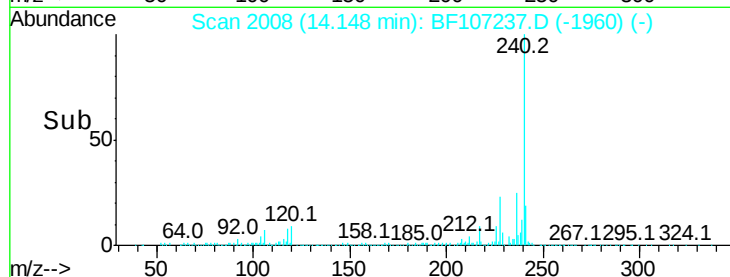
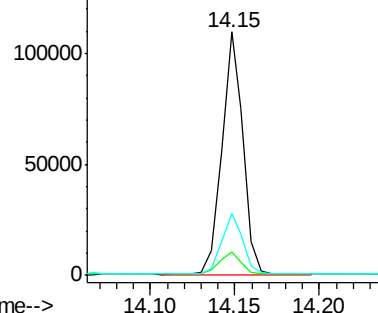
Tot Ion:	240	Resp:	95219
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	25.6	20.7	31.1

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



#77

Pyrene

Concen: 35.181 ng

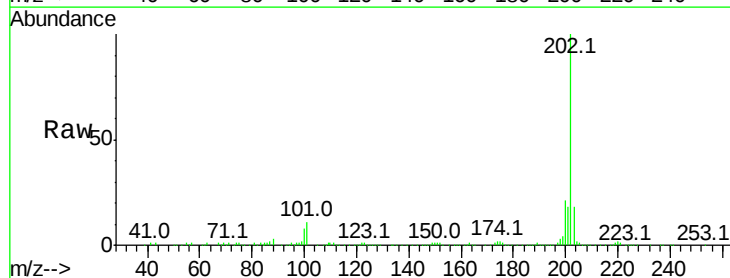
RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

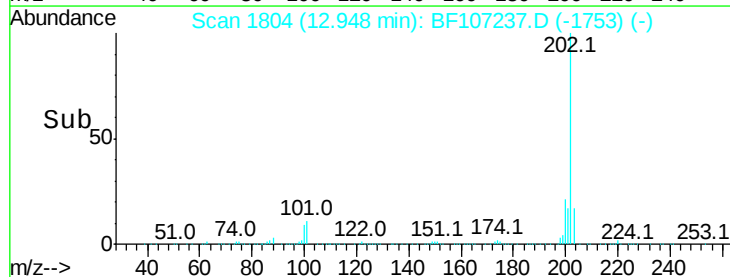
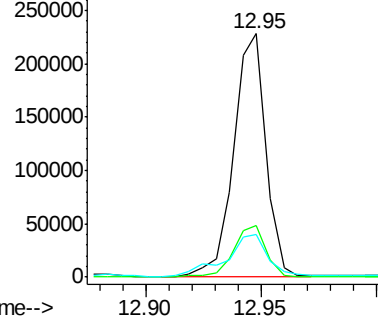
Lab File: BF107237.D

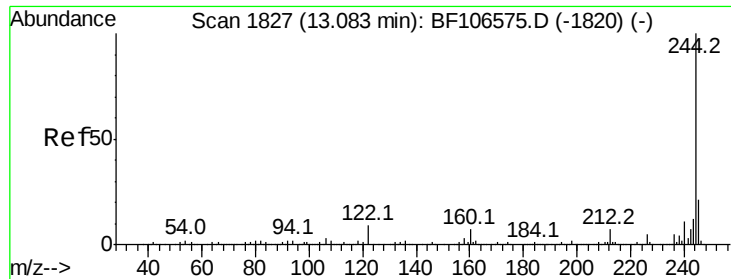
Acq: 9 Jul 2018 19:01

Tgt Ion:	202	Resp:	220900
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





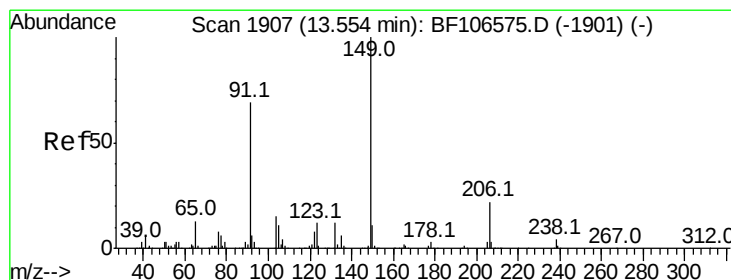
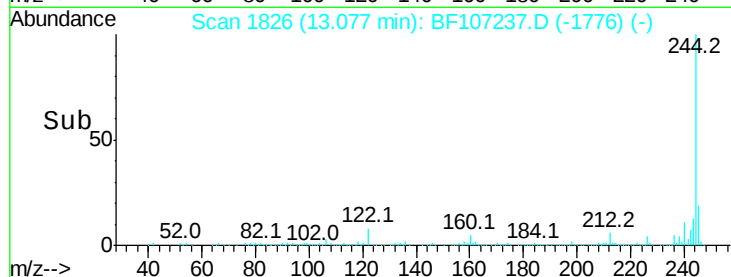
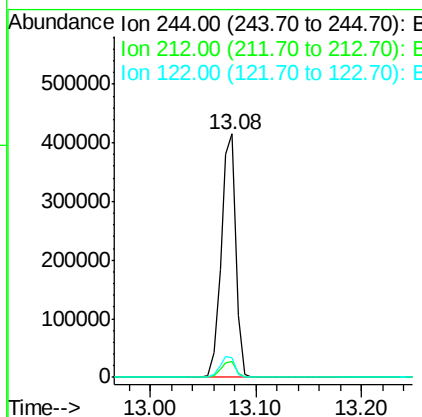
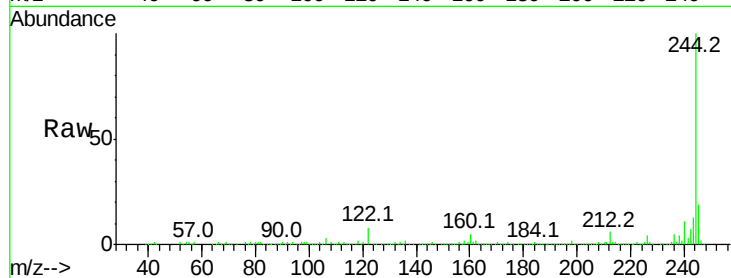
#78
 Terphenyl-d14
 Concen: 102.654 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107237.D
 Acq: 9 Jul 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-4

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.4	5.4	8.0	
122	8.1	11.0	16.4	

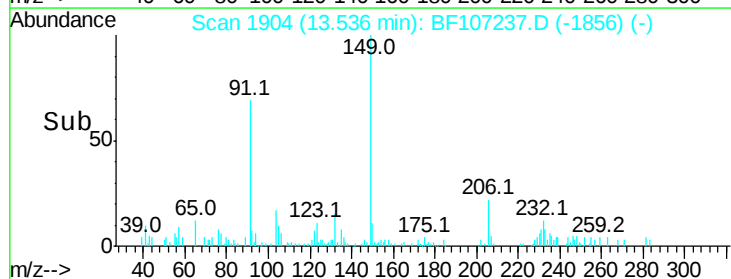
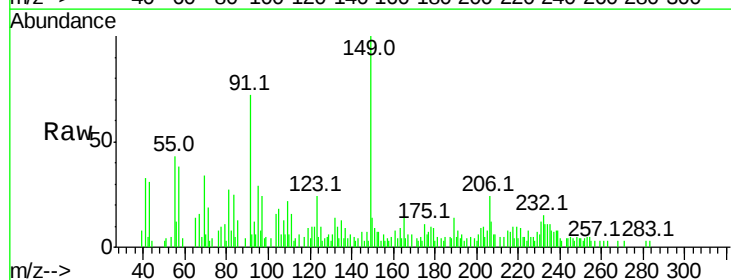
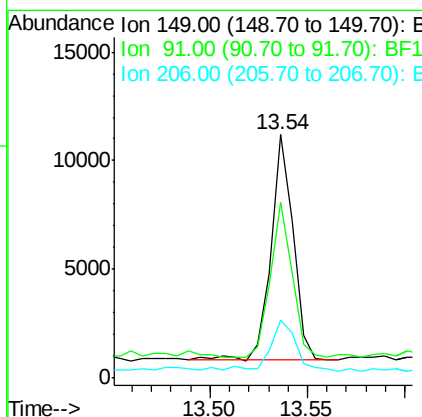
Manual Integrations
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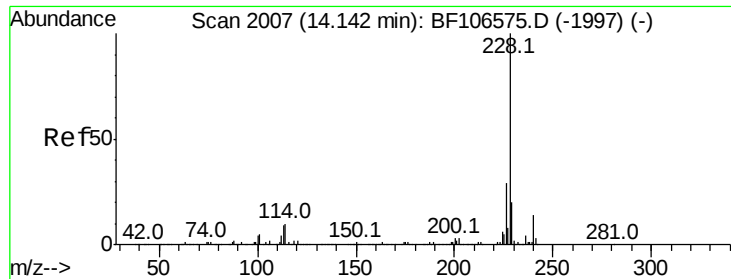
Sohil
 7/10/2018 2:46:42 PM



#79
 Butylbenzylphthalate
 Concen: 3.145 ng
 RT: 13.54 min Scan# 1904
 Delta R.T. -0.02 min
 Lab File: BF107237.D
 Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	72.4	56.8	85.2	
206	23.8	14.1	21.1	





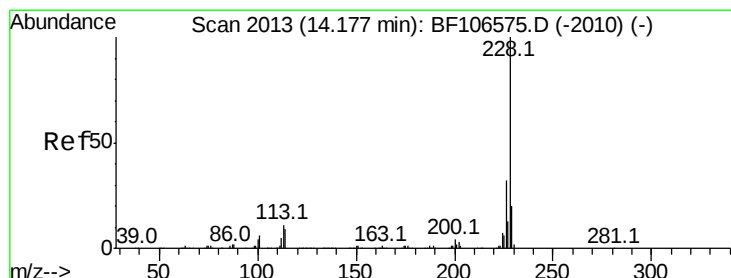
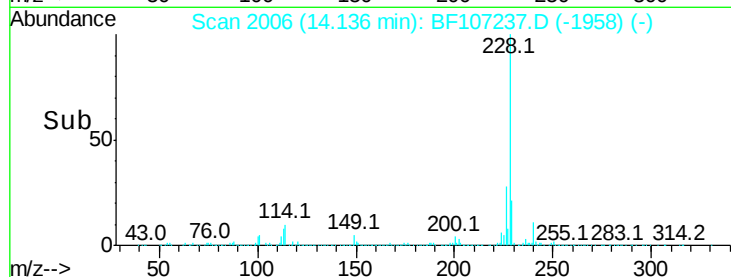
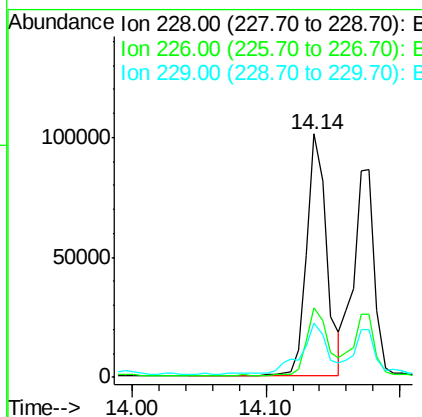
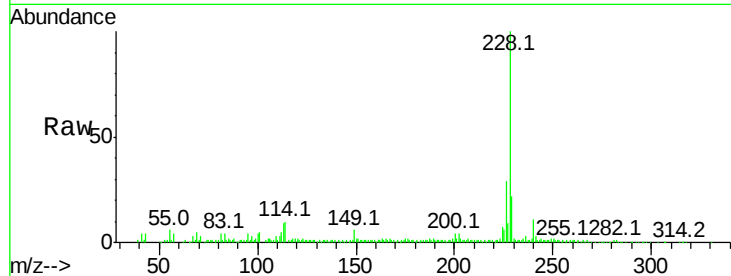
#80
Benzo(a)anthracene
Concen: 17.686 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	22.2	15.8	23.6

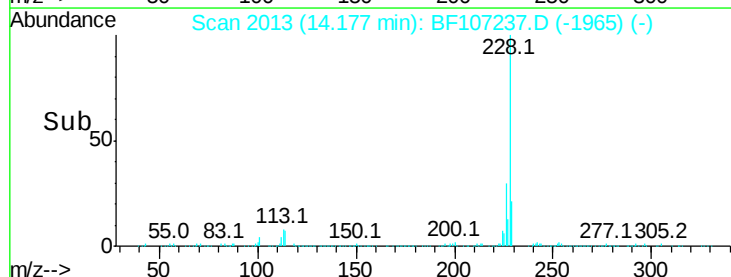
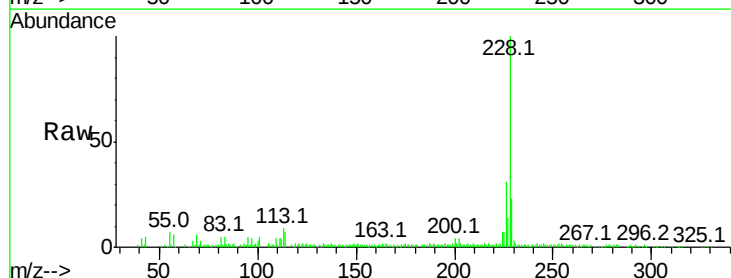
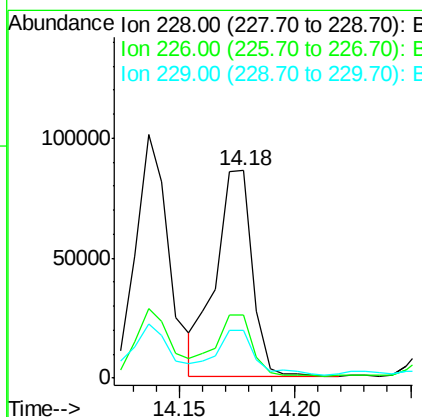
Manual Integrations
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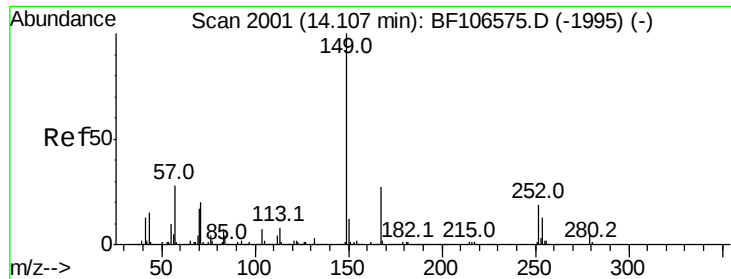
Sohil
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#82
Chrysene
Concen: 17.611 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.8	16.2	24.4





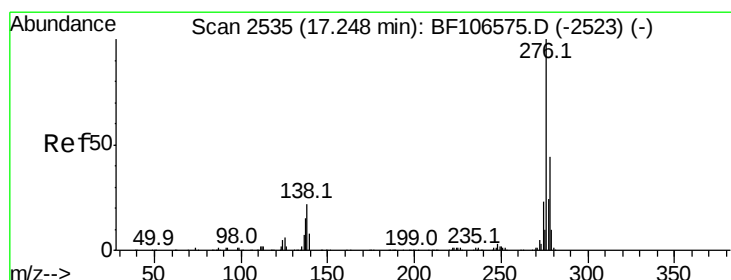
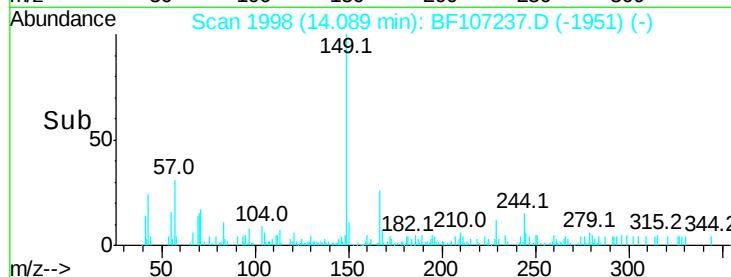
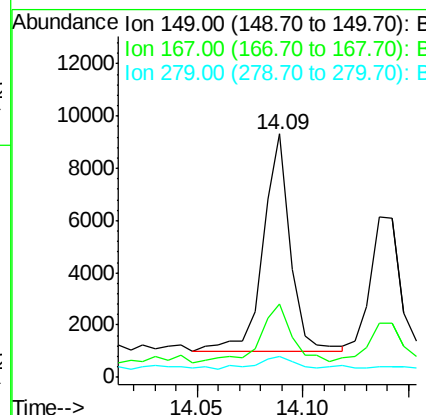
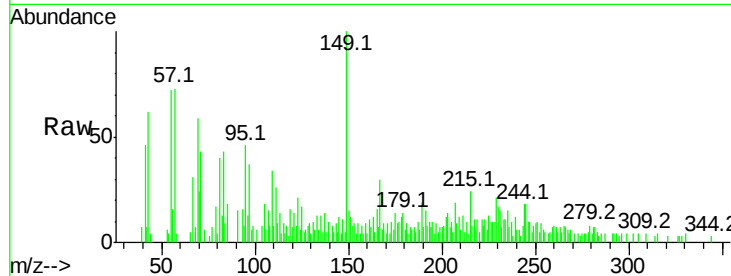
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.245 ng
RT: 14.09 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.2	21.3	31.9
279	8.4	3.0	4.4

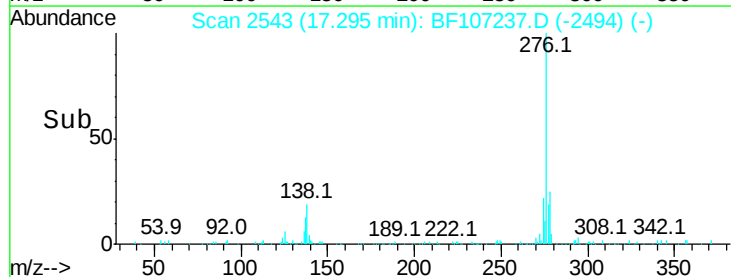
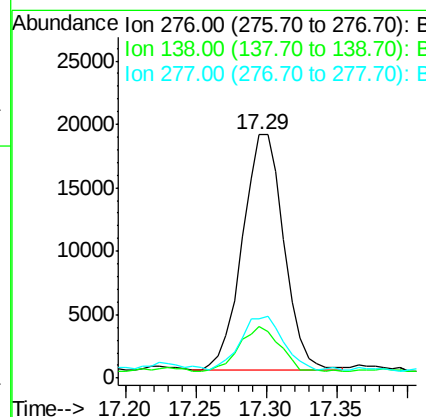
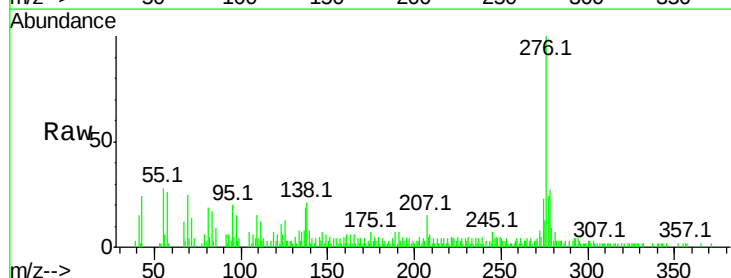
Manual Integrations
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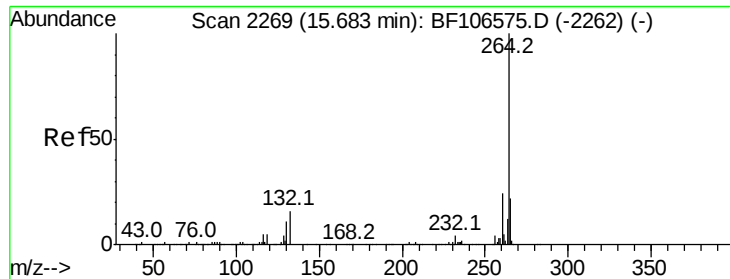
Sohil
7/10/2018 2:46:42 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.451 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	25.0	37.6
277	24.1	20.1	30.1





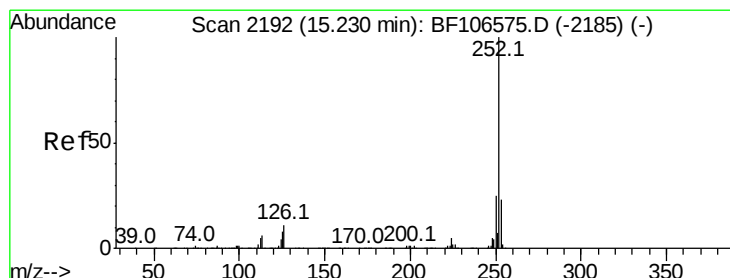
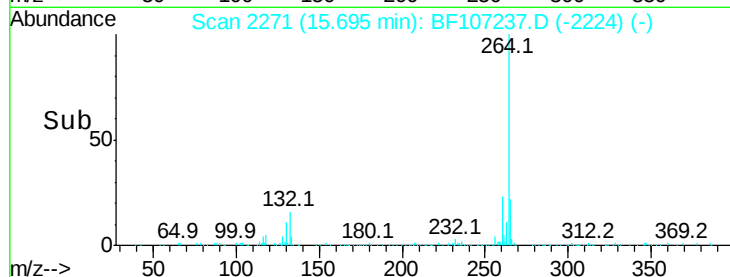
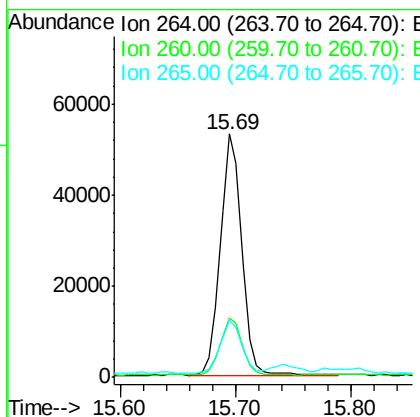
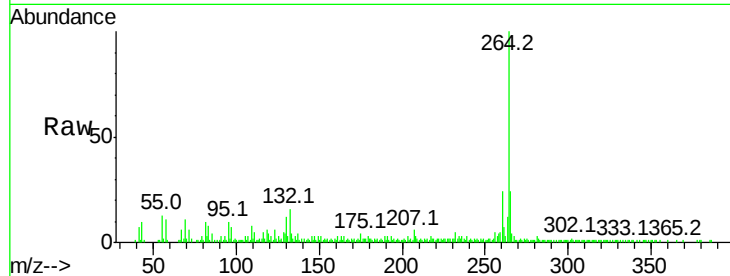
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.6	17.5	26.3

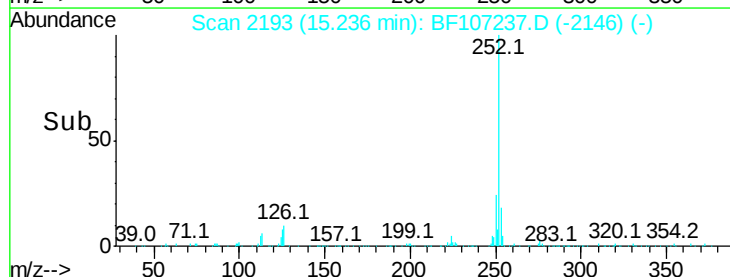
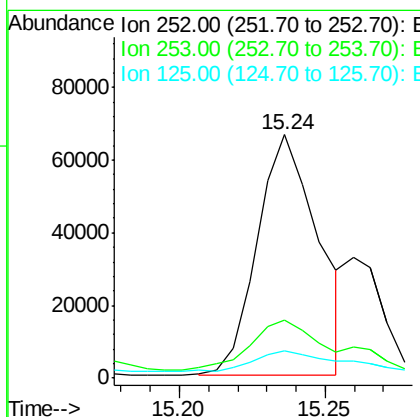
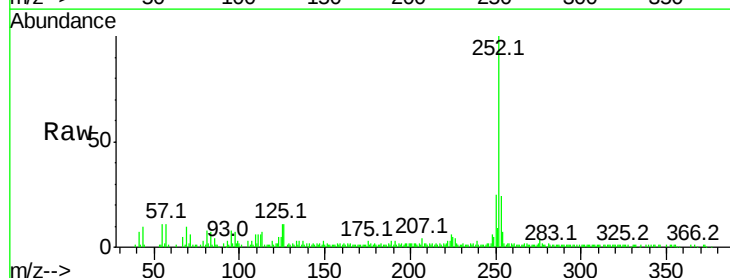
Manual Integrations
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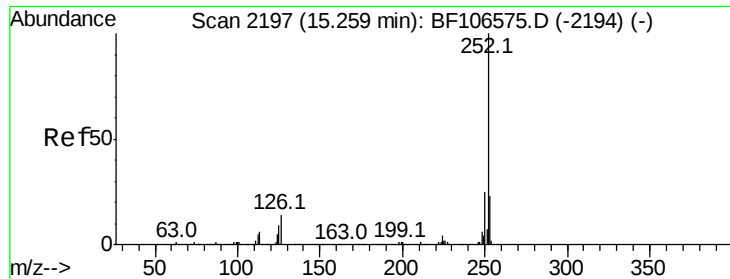
Sohil
7/10/2018 2:46:42 PM



#87
Benzo(b)fluoranthene
Concen: 22.584 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107237.D
Acq: 9 Jul 2018 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 7.297 ng

RT: 15.26 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Instrument :

BNA_F

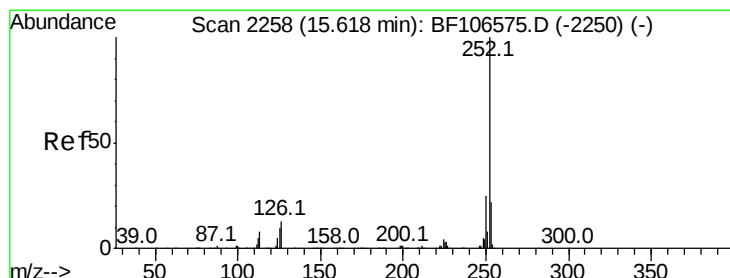
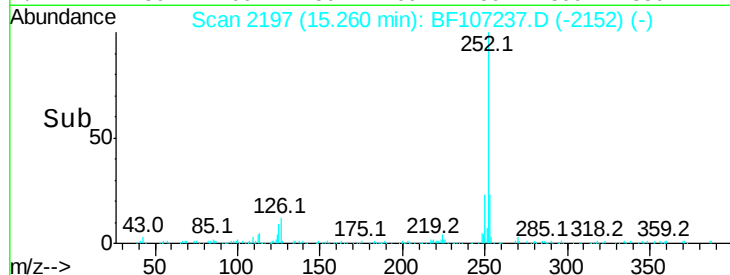
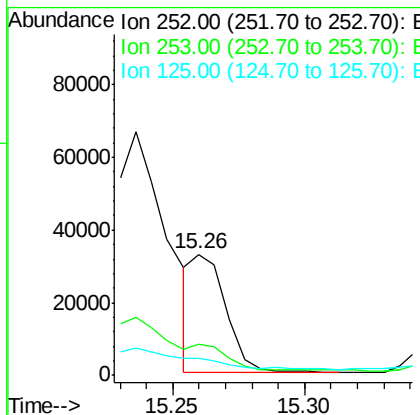
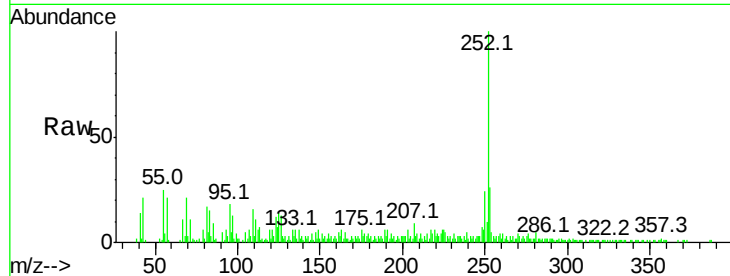
ClientSampleId :

SURCHARGE-SP-4

Tot Ion:	252	Resp:	29643
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.9	26.9
125	14.1	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 16.813 ng

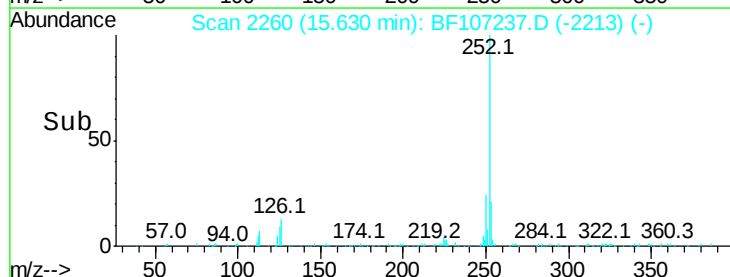
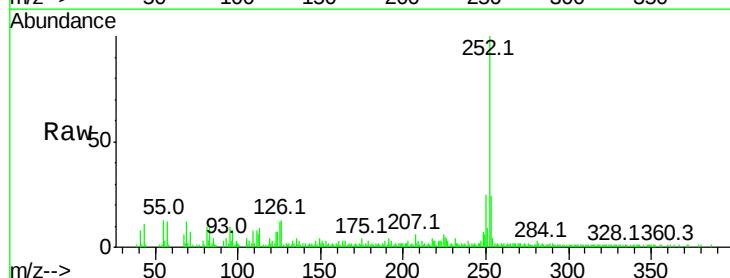
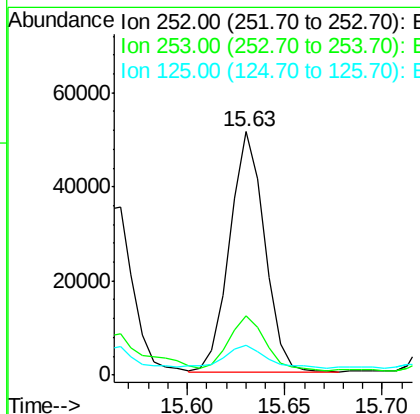
RT: 15.63 min Scan# 2260

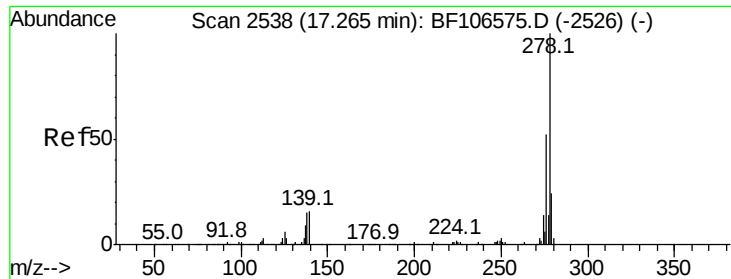
Delta R.T. -0.02 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Tgt Ion:	252	Resp:	63758
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.1	25.7
125	12.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.693 ng

RT: 17.29 min Scan# 2543

Delta R.T. -0.03 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Instrument :

BNA_F

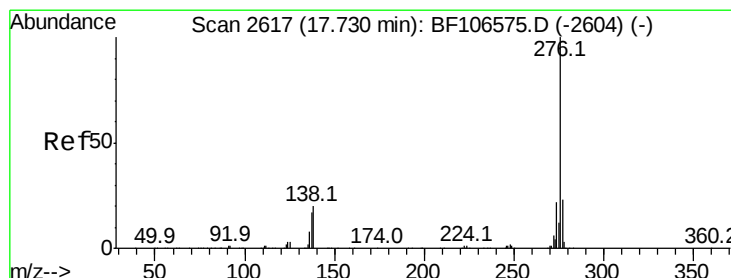
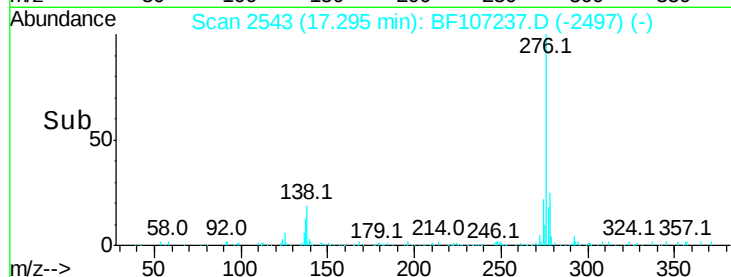
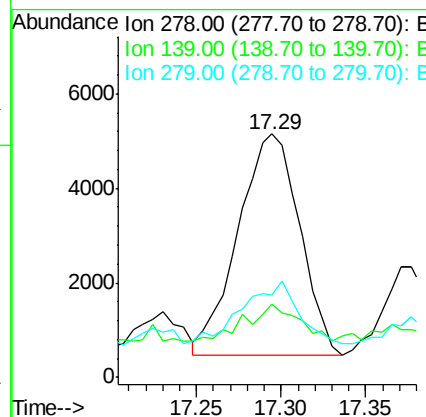
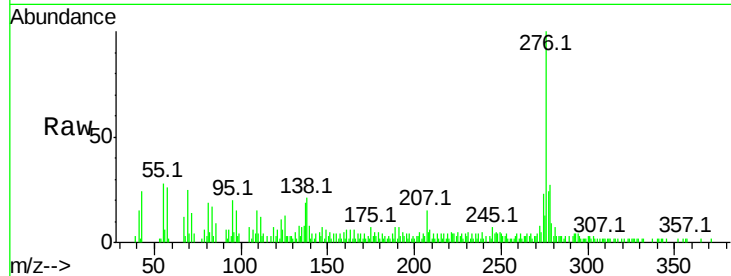
ClientSampleId :

SURCHARGE-SP-4

Tot Ion:	278	Resp:	11869
Ion	Ratio	Lower	Upper
278	100		
139	29.9	15.9	23.9#
279	33.9	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 12.227 ng

RT: 17.79 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BF107237.D

Acq: 9 Jul 2018 19:01

Tgt Ion:	276	Resp:	38409
Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	21.0	21.8	32.8#

