

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107206.D
 Acq On : 7 Jul 2018 15:09
 Operator : JU/SJ
 Sample : J3881-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24

Manual Integrations
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Quant Time: Jul 09 04:13:56 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	51558	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	179419	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	74764	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	141699	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	142208	20.00	ng	-0.02
86) Perylene-d12	15.68	264	102594	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	338932	111.32	ng	-0.01
7) Phenol-d6	6.60	99	429948	113.07	ng	-0.01
23) Nitrobenzene-d5	7.51	82	253871	78.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	100663	116.17	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	439216	102.47	ng	-0.02
78) Terphenyl-d14	13.07	244	502923	85.67	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	9006	2.075	ng	Qvalue # 40
31) Naphthalene	8.25	128	21324	2.542	ng	97
37) 2-Methylnaphthalene	8.94	142	11186	2.012	ng	94
48) Acenaphthylene	9.85	152	14917	2.015	ng	98
49) Dimethylphthalate	9.70	163	63522	11.328	ng	99
51) Acenaphthene	10.02	154	11026	2.365	ng	96
54) Dibenzofuran	10.20	168	13637	2.136	ng	92
57) Fluorene	10.54	166	12695	2.506	ng	# 98
70) Phenanthrene	11.51	178	109778	16.062	ng	96
71) Anthracene	11.56	178	36392	5.217	ng	99
74) Fluoranthene	12.71	202	255235	33.883	ng	93
77) Pyrene	12.94	202	256862	27.391	ng	99
80) Benzo(a)anthracene	14.13	228	150813	17.400	ng	98
82) Chrysene	14.17	228	148797m	18.661	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	57270	8.463	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	150520m	23.618	ng	
88) Benzo(k)fluoranthene	15.25	252	54689m	9.011	ng	
89) Benzo(a)pyrene	15.62	252	101017	17.830	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	16301	3.395	ng	# 75
91) Benzo(a,h,i)perylene	17.76	276	56920	12.129	ng	# 88

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

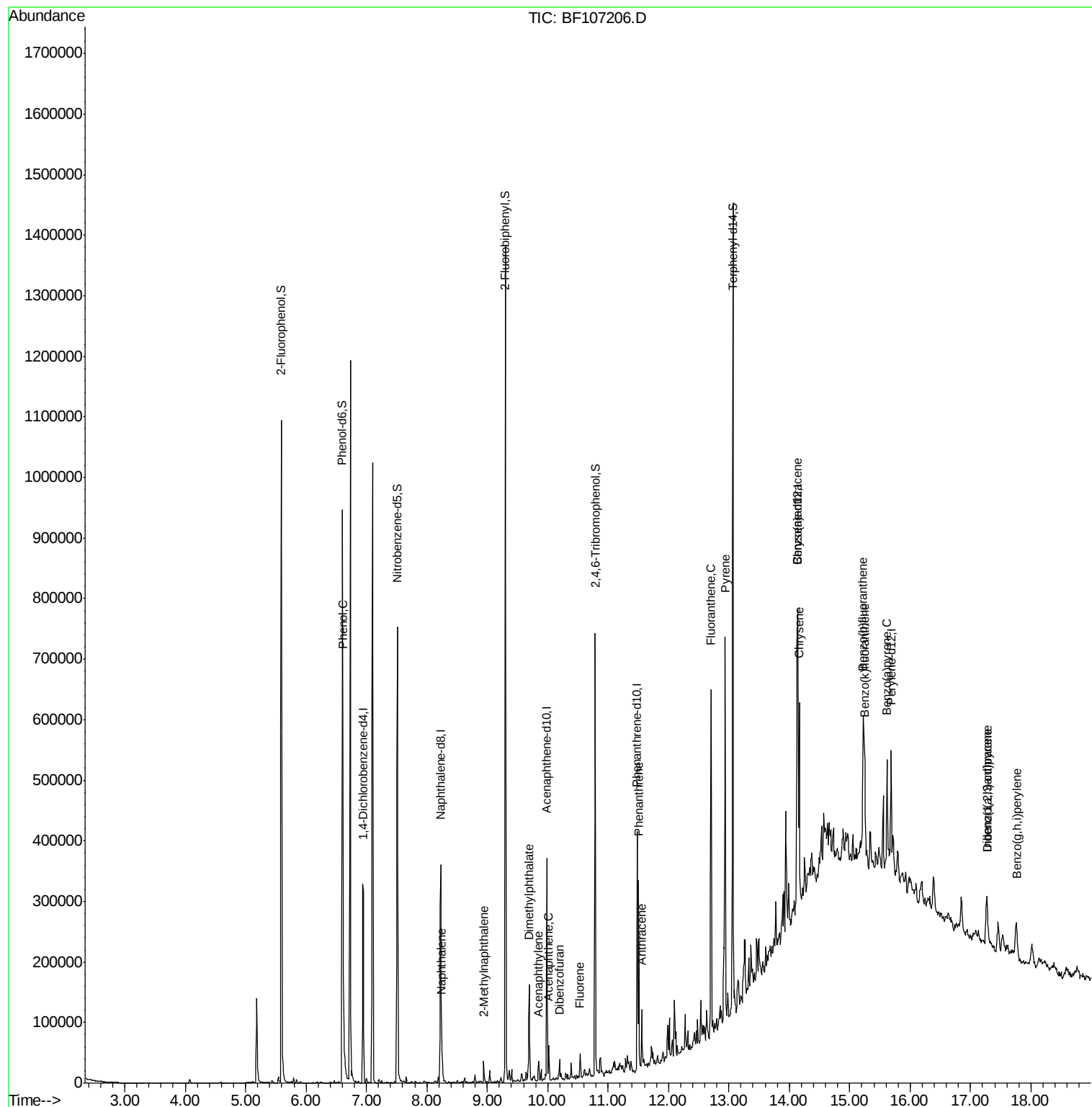
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107206.D
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#1

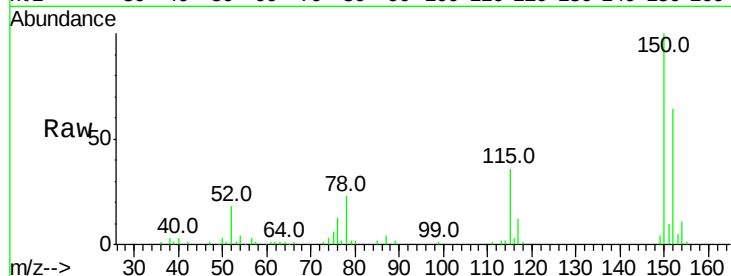
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

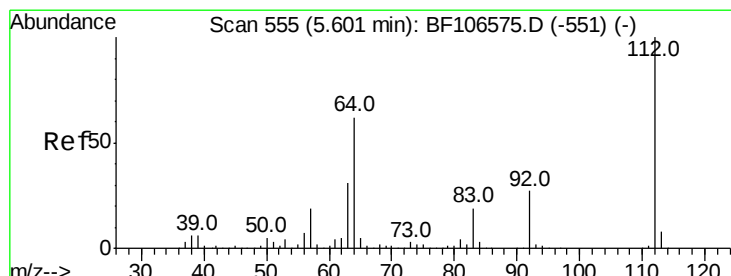
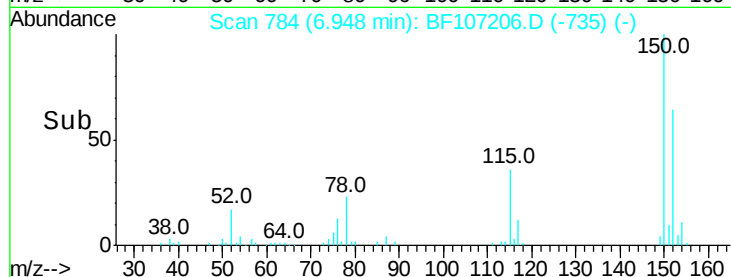
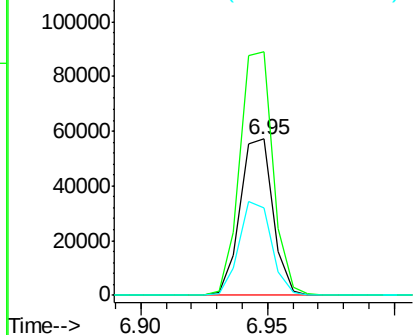
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	55.8	50.1	75.1

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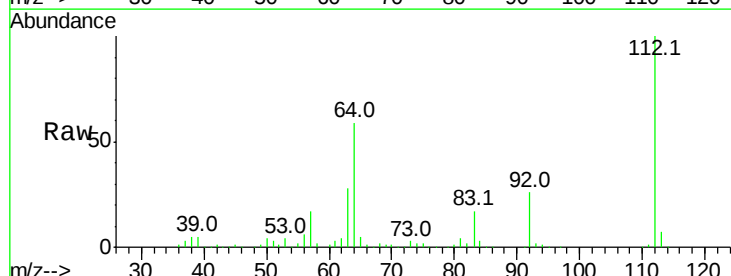
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



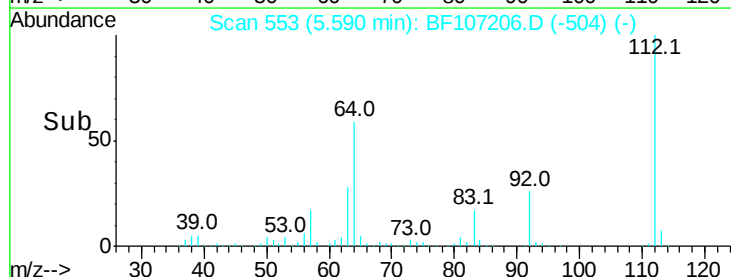
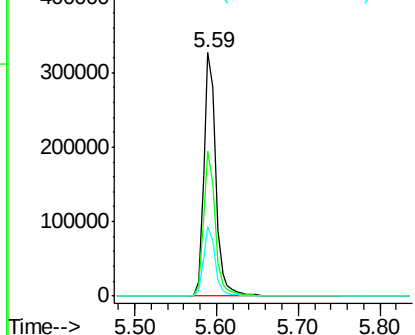
#5

2-Fluorophenol
Concen: 111.315 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	28.4	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: 113.074 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Instrument :

BNA_F

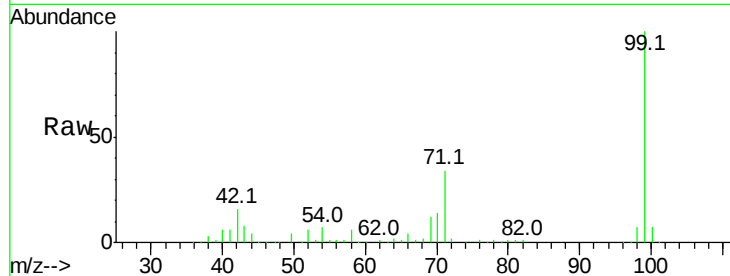
ClientSampleId :

SURCHARGE-SP-24

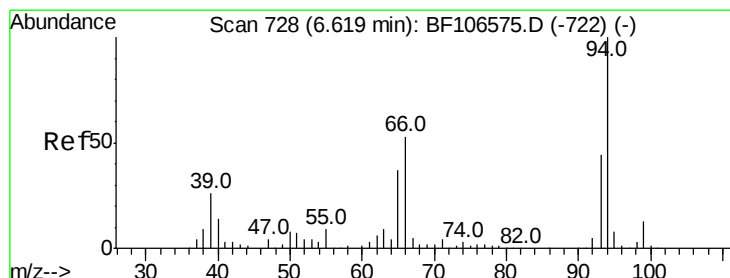
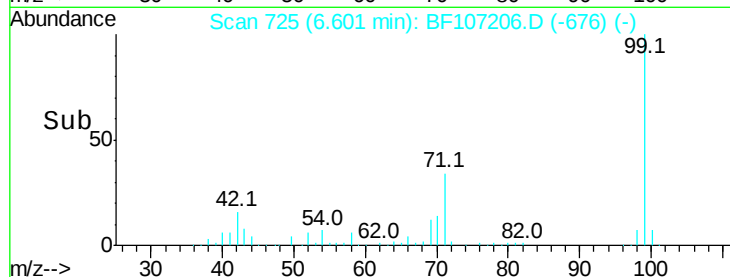
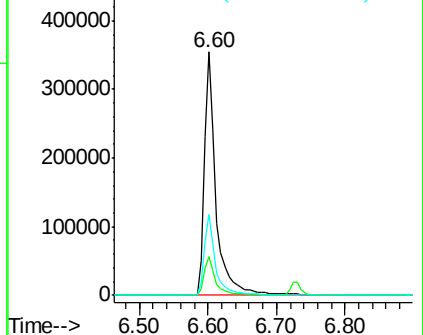
Tot Ion:	99	Resp:	429948
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	33.5	25.4	38.0

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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



#10

Phenol

Concen: 2.075 ng

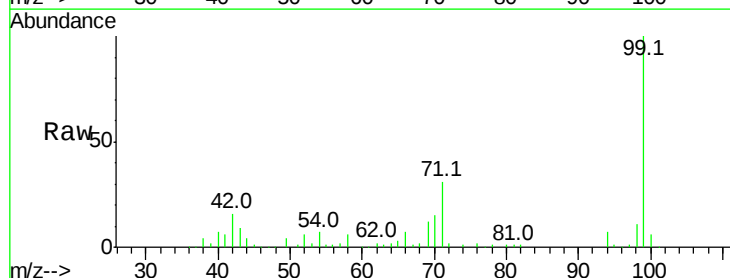
RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

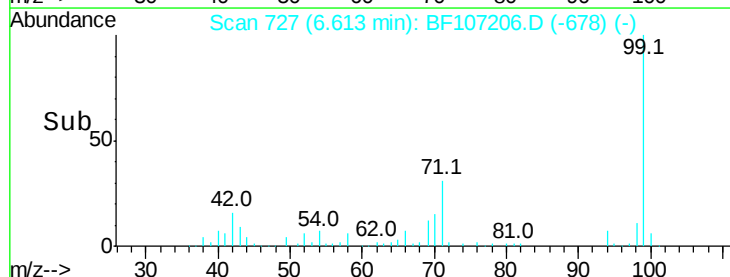
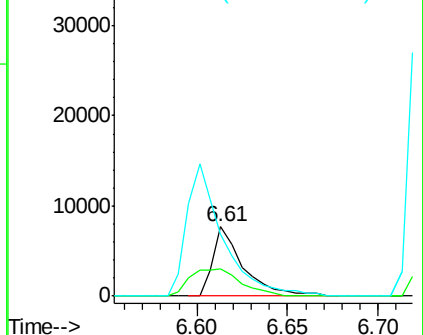
Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Tgt Ion:	94	Resp:	9006
Ion Ratio	Lower	Upper	
94	100		
65	40.0	7.9	47.9
66	88.7	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





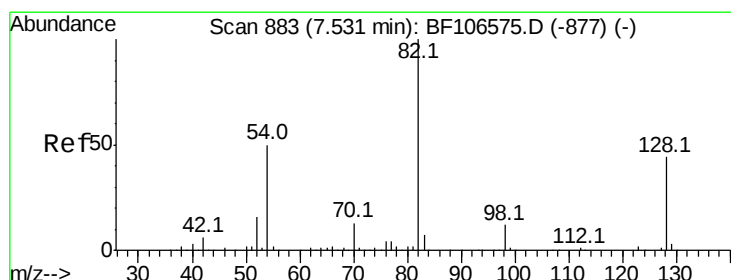
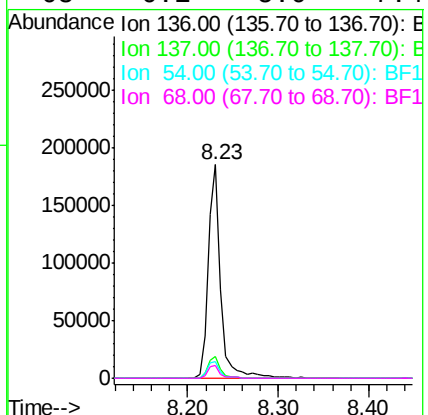
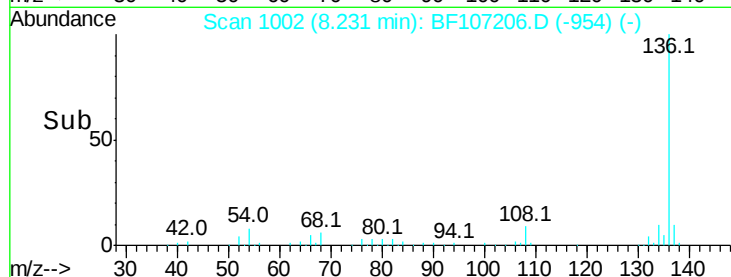
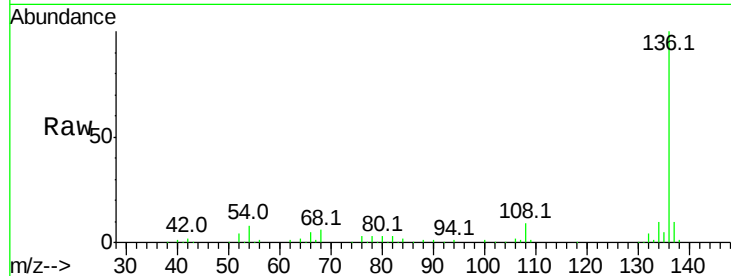
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.2	8.9	13.3	
54	7.7	6.6	9.8	
68	6.1	5.0	7.4	

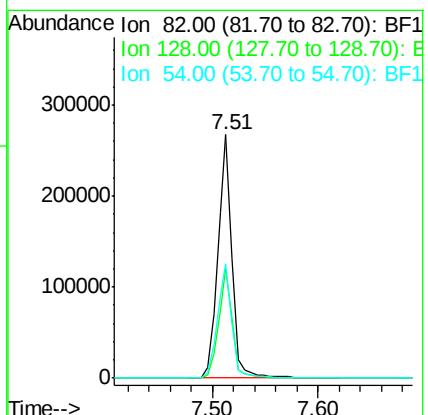
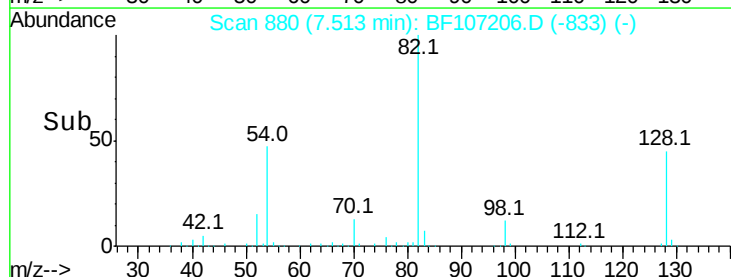
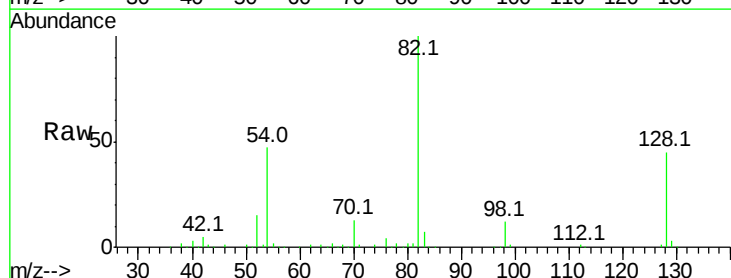
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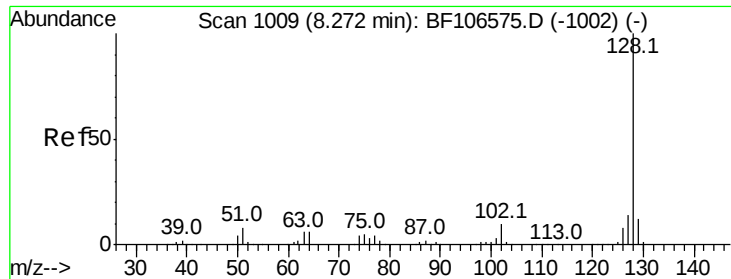
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#23
Nitrobenzene-d5
Concen: 78.634 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	36.1	54.1	
54	47.2	41.4	62.2	





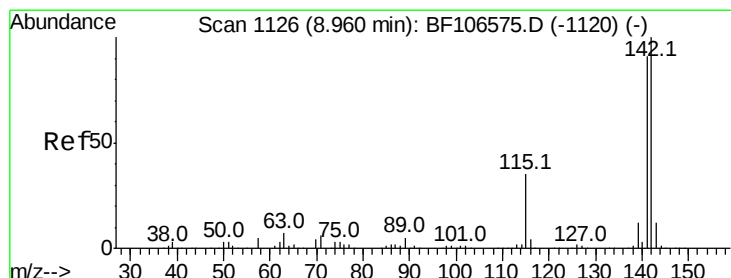
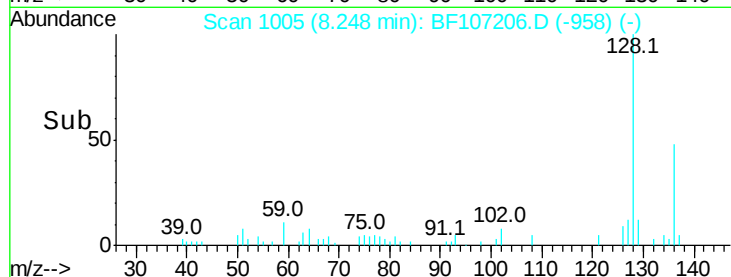
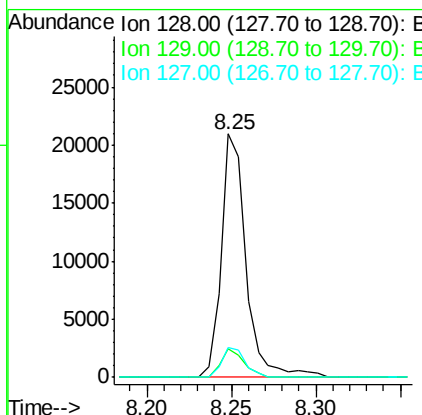
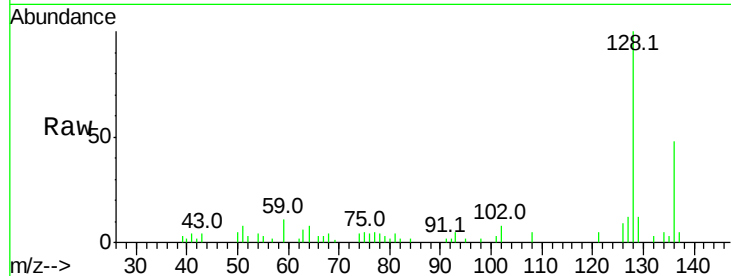
#31
Naphthalene
Concen: 2.542 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	12.2	10.9	16.3

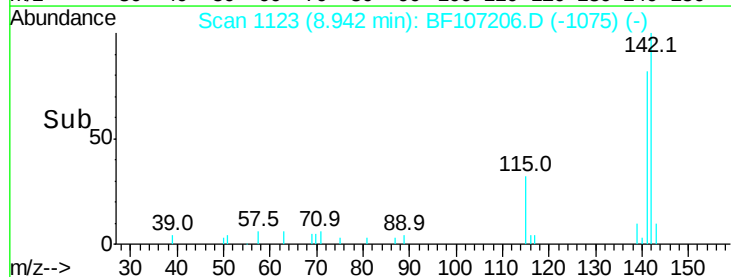
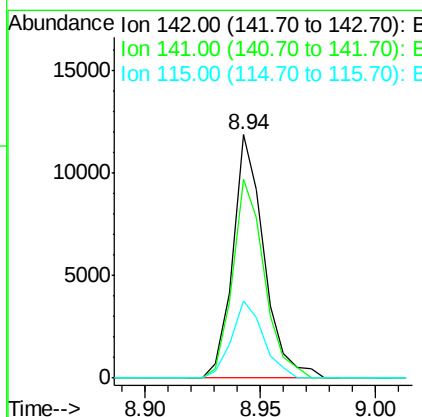
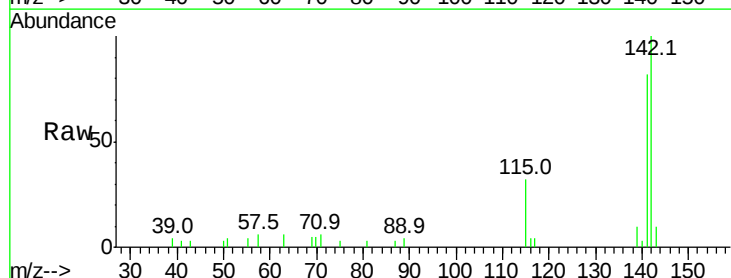
Manual Integrations
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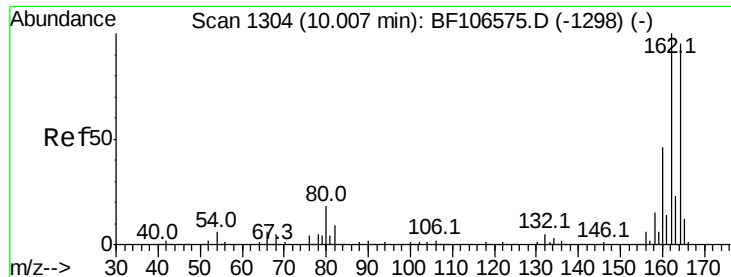
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#37
2-Methylnaphthalene
Concen: 2.012 ng
RT: 8.94 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.8	70.8	106.2
115	31.6	26.1	39.1





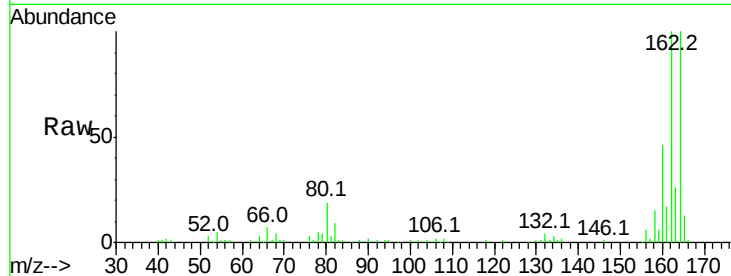
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24

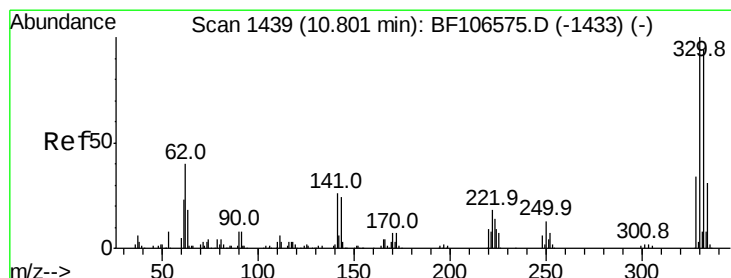
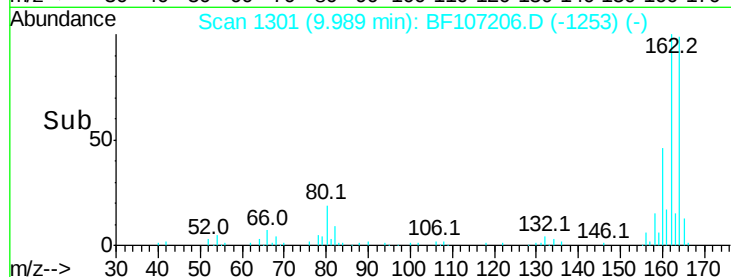
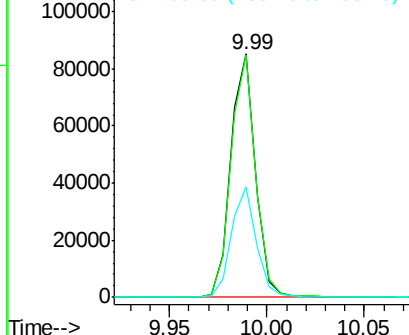
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.7	86.1	129.1
160	45.6	38.3	57.5

Manual Integrations
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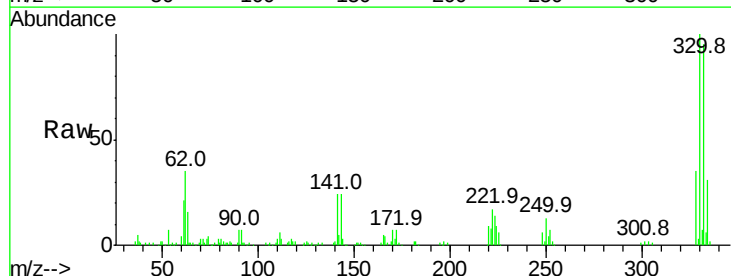


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

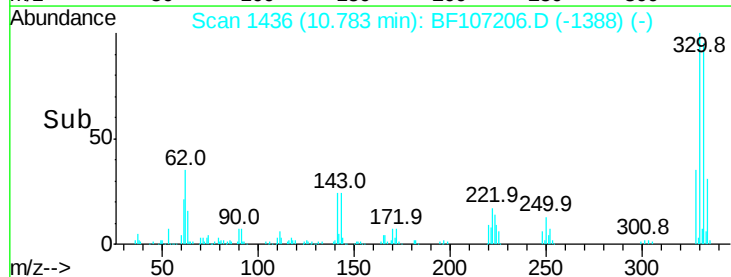
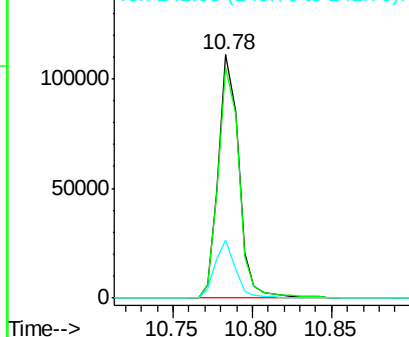


#41
 2,4,6-Tribromophenol
 Concen: 116.167 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	24.4	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





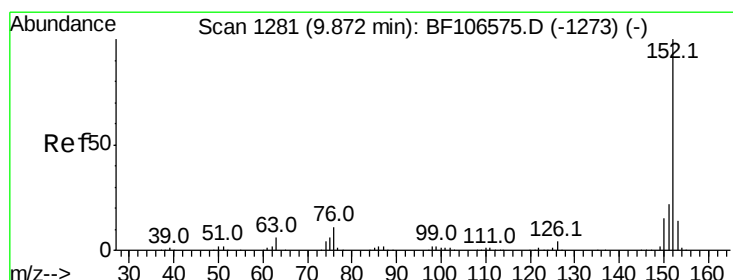
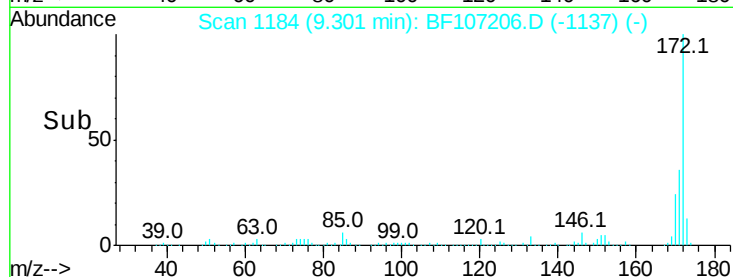
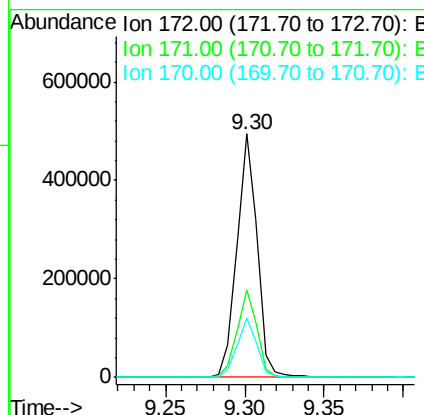
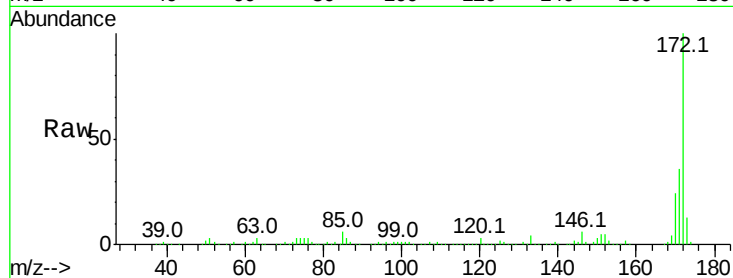
#44
 2-Fluorobiphenyl
 Concen: 102.468 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24

Tot Ion	Ratio	Resp	Lower	Upper
172	100	439216		
171	35.8		29.7	44.5
170	24.4		19.6	29.4

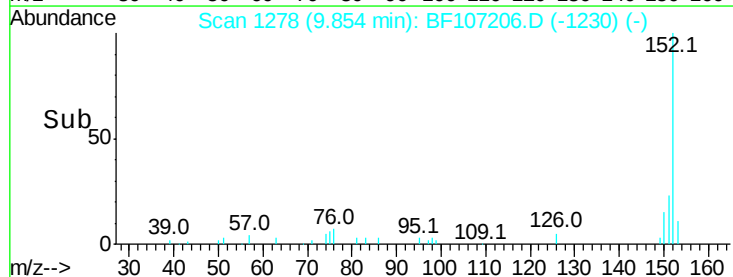
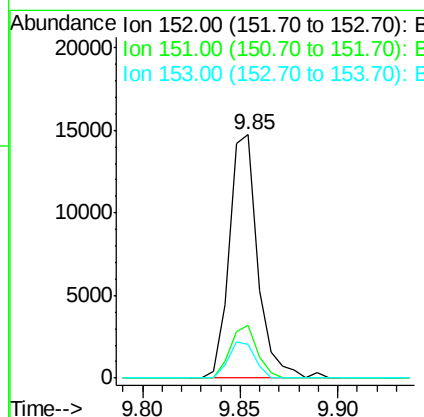
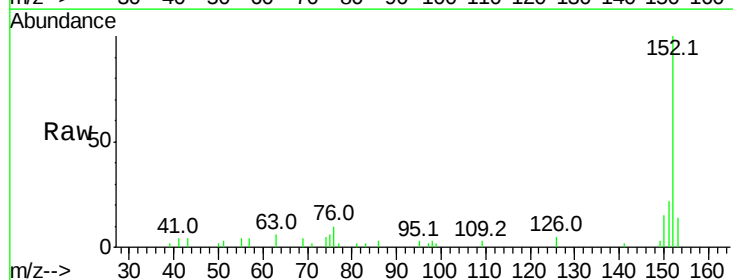
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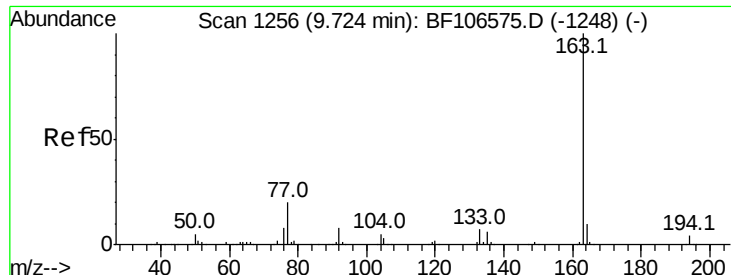
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#48
 Acenaphthylene
 Concen: 2.015 ng
 RT: 9.85 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	14917		
151	21.7		16.3	24.5
153	13.9		10.7	16.1





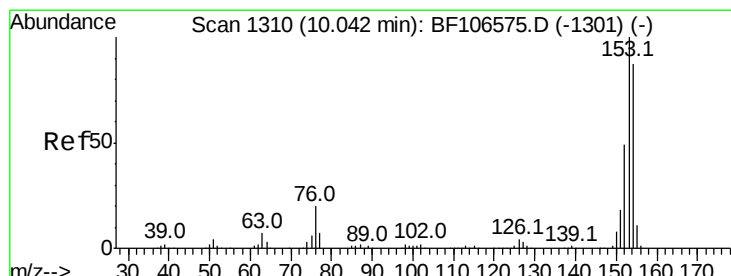
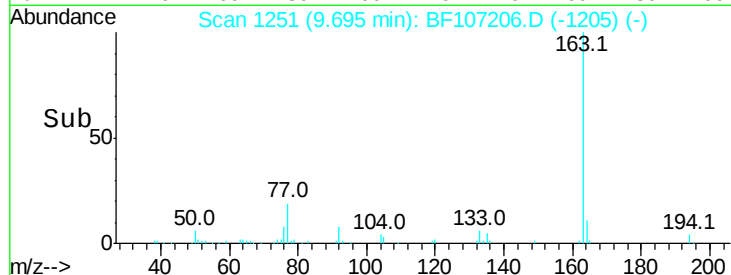
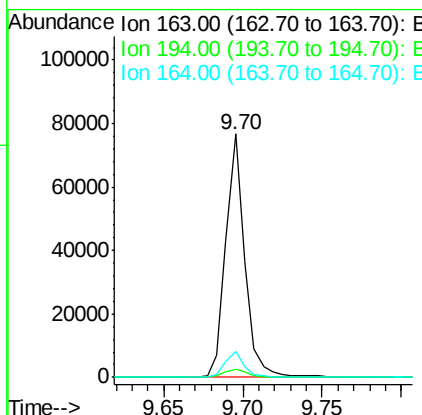
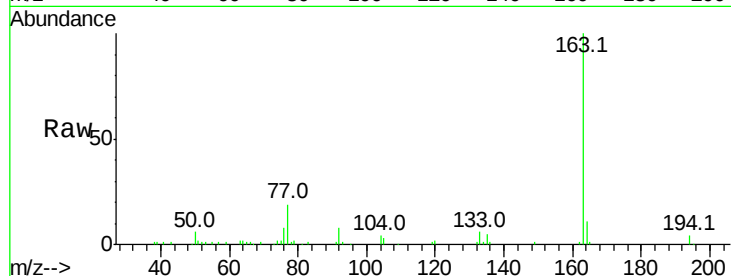
#49
Dimethylphthalate
Concen: 11.328 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

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

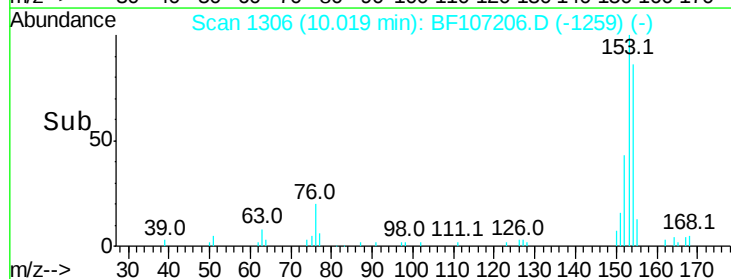
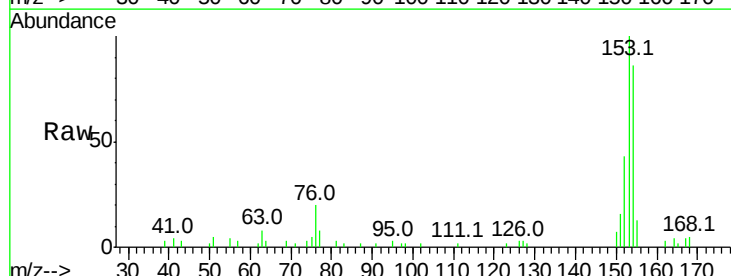
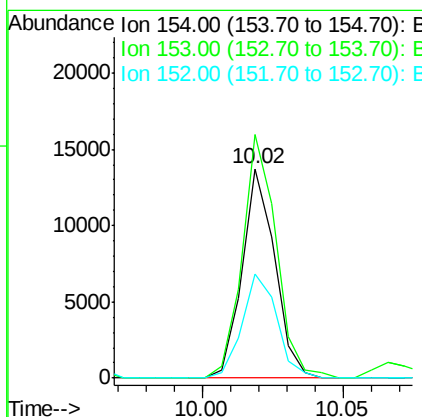
Manual Integrations
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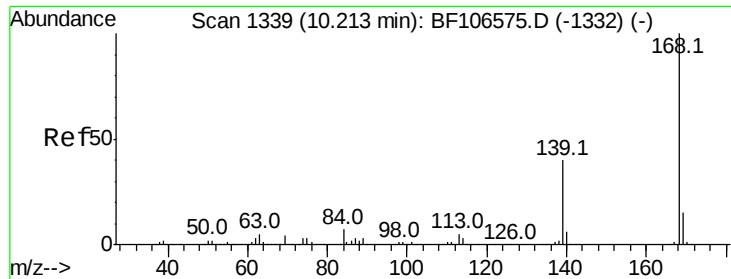
Sohil
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#51
Acenaphthene
Concen: 2.365 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.2	136.8
152	49.9	43.8	65.8





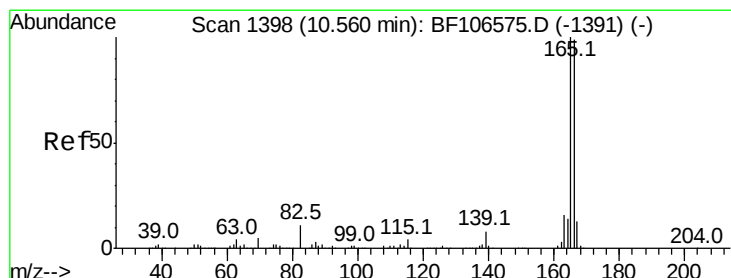
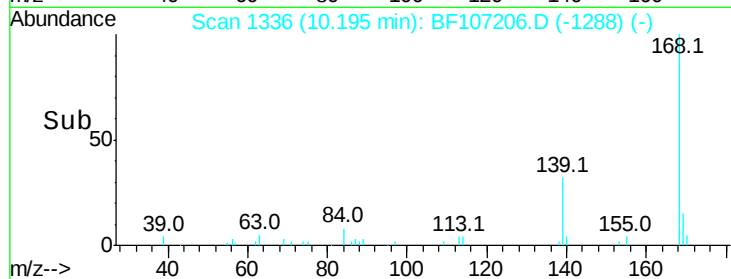
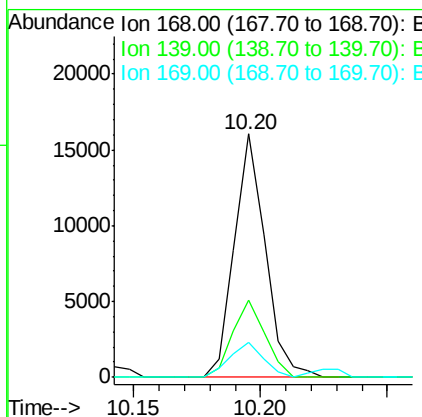
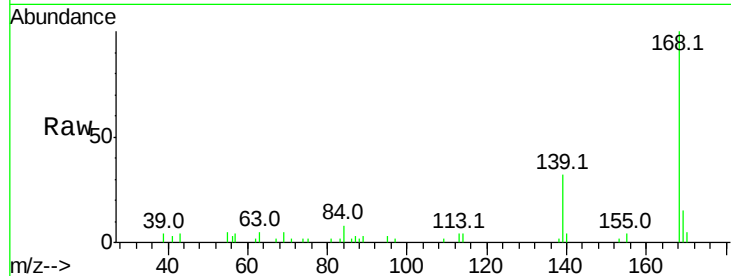
#54
Dibenzenofuran
Concen: 2.136 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	32.0		30.1	45.1
169	14.6		10.9	16.3

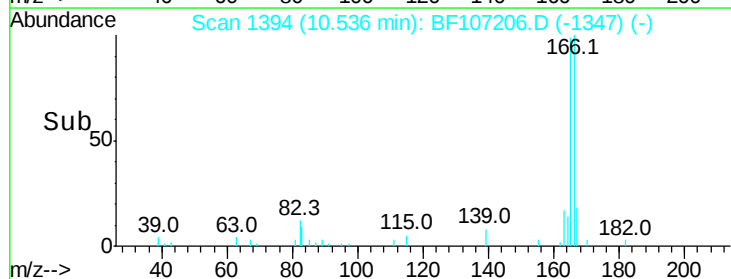
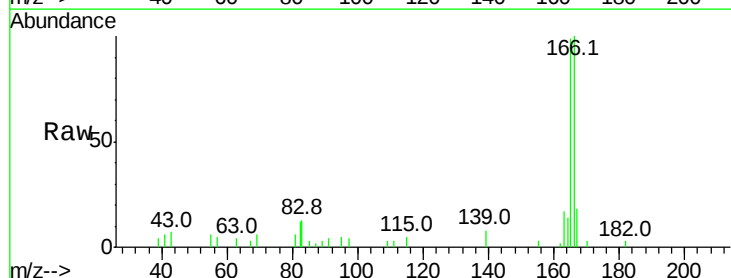
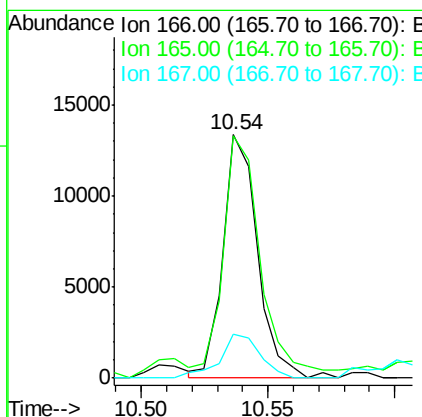
Manual Integrations
APPROVED

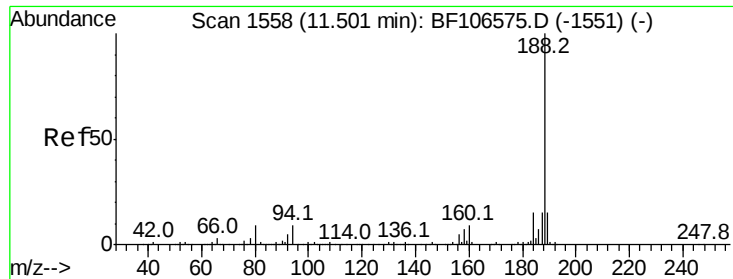
Sohil
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#57
Fluorene
Concen: 2.506 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.3		79.8	119.8
167	18.1		10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Instrument :

BNA_F

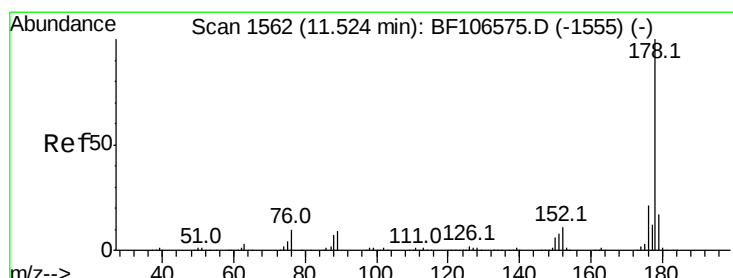
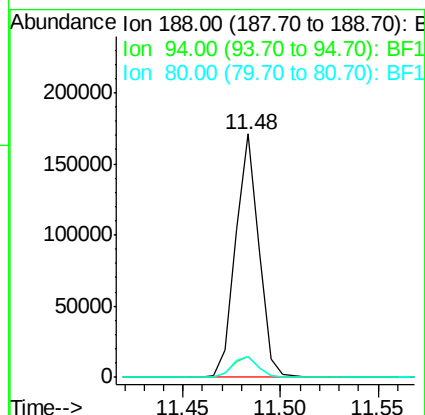
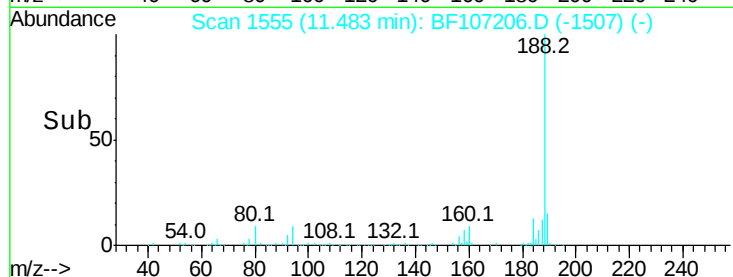
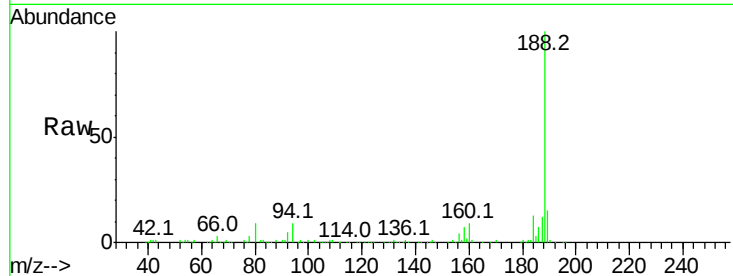
ClientSampleId :

SURCHARGE-SP-24

Tot Ion:188	Resp:	141699
Ion Ratio	Lower	Upper
188 100		
94 8.8	8.5	12.7
80 8.8	9.2	13.8#

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#70

Phenanthrene

Concen: 16.062 ng

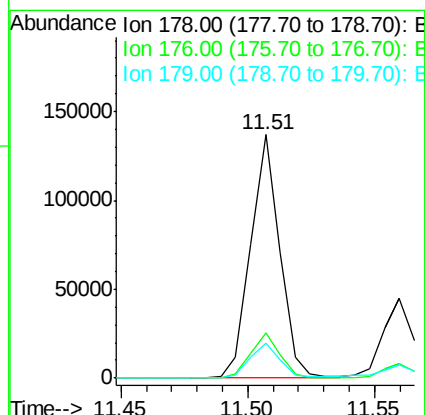
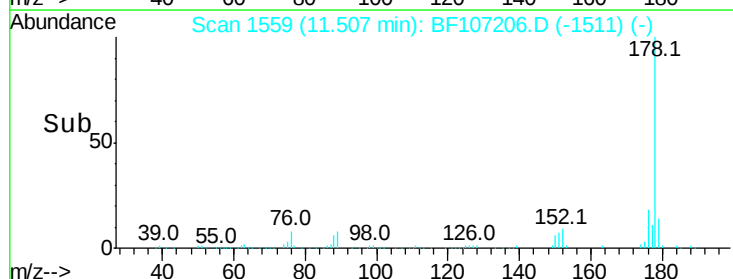
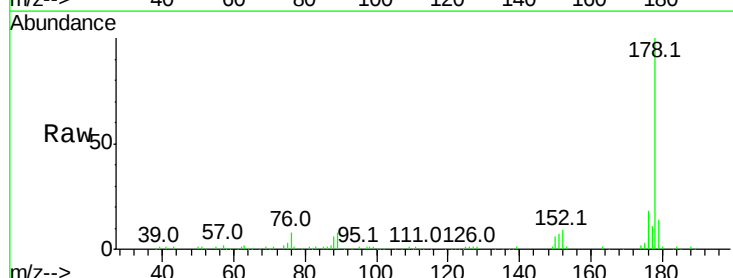
RT: 11.51 min Scan# 1559

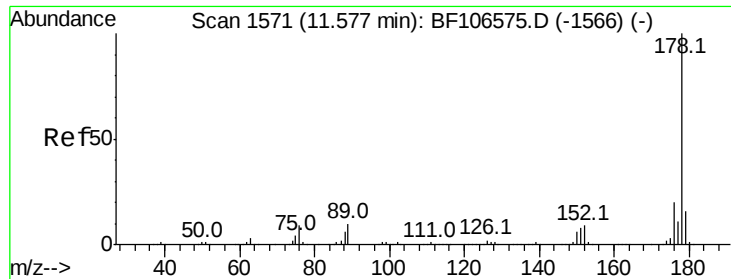
Delta R.T. -0.02 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Tgt Ion:178	Resp:	109778
Ion Ratio	Lower	Upper
178 100		
176 18.5	15.8	23.8
179 14.5	13.0	19.6





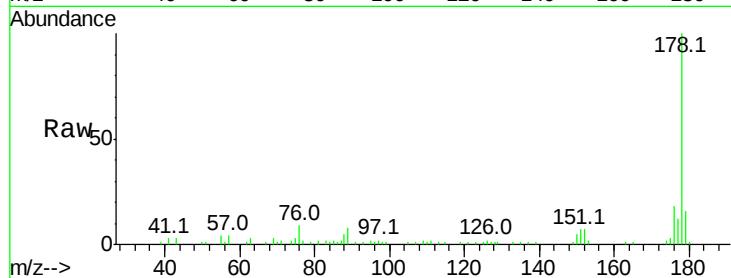
#71
 Anthracene
 Concen: 5.217 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24

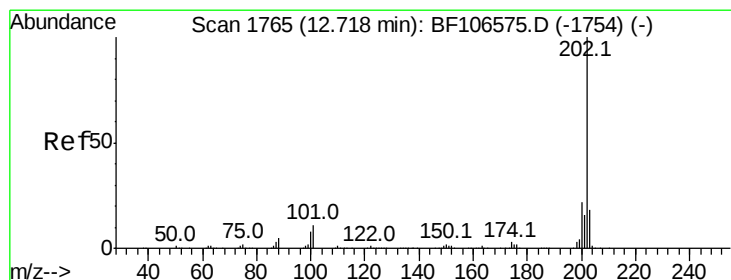
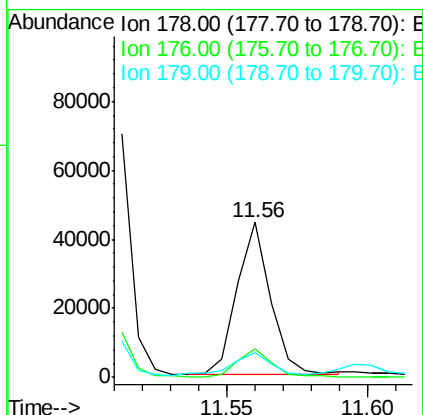
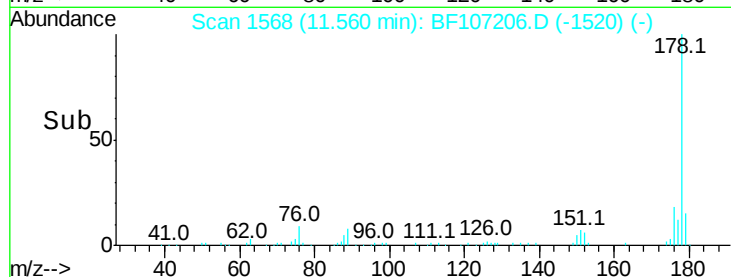
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.8	12.6	19.0

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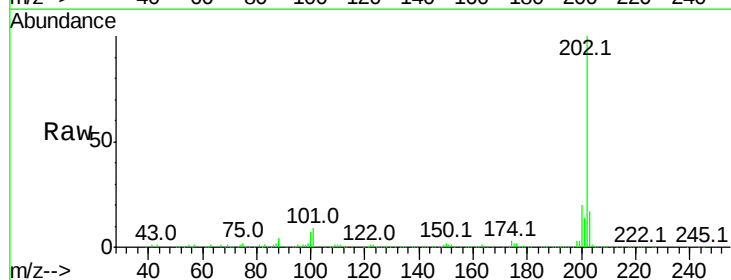


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

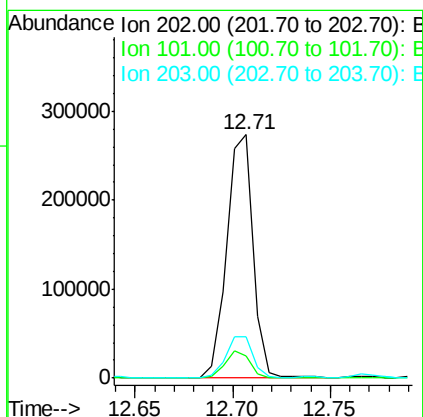
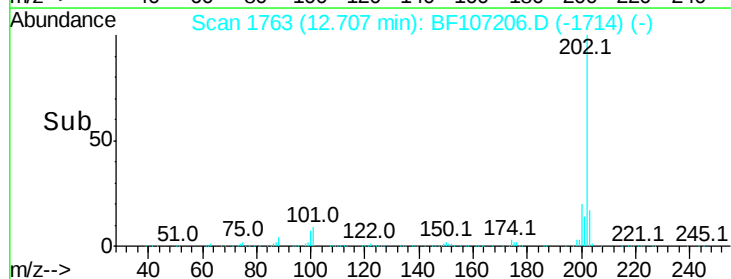


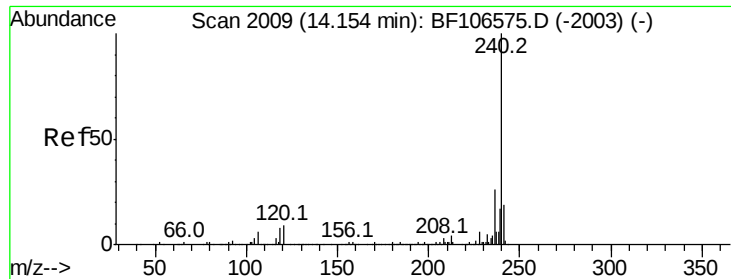
#74
 Fluoranthene
 Concen: 33.883 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107206.D
 Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	17.1	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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Instrument :

BNA_F

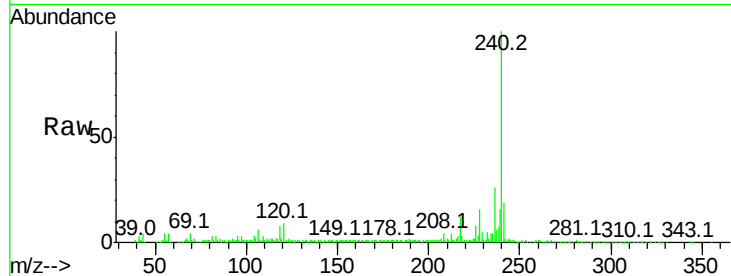
ClientSampleId :

SURCHARGE-SP-24

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	26.1	20.7	31.1

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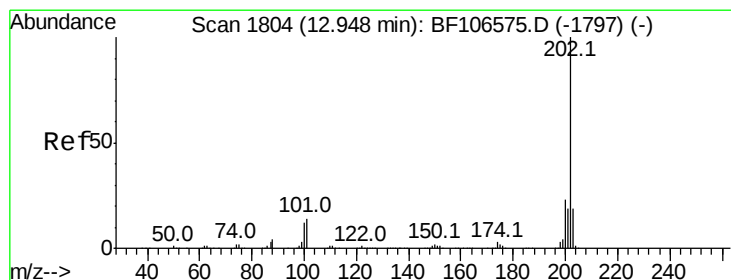
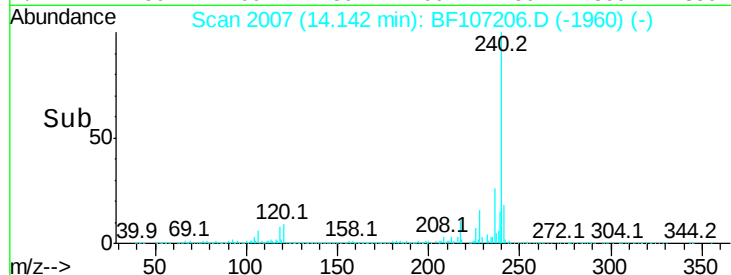
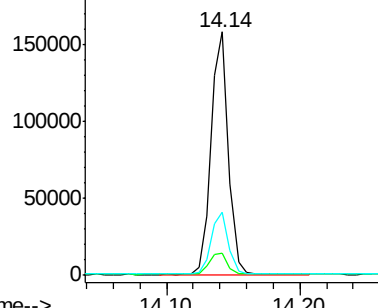


Abundance

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: 27.391 ng

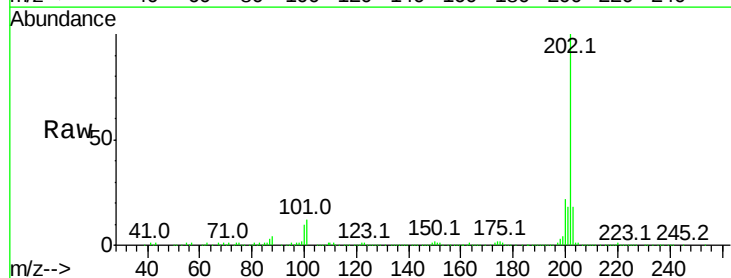
RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.3	14.3	21.5

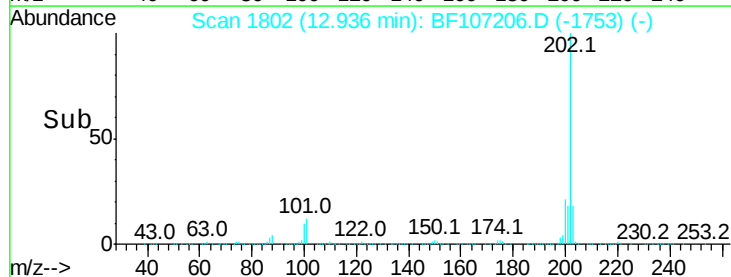
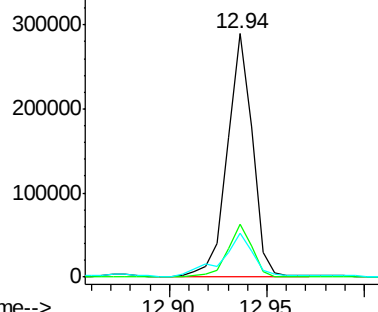


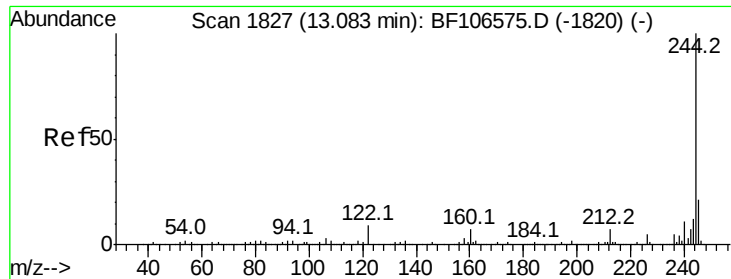
Abundance

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: 85.665 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Instrument :

BNA_F

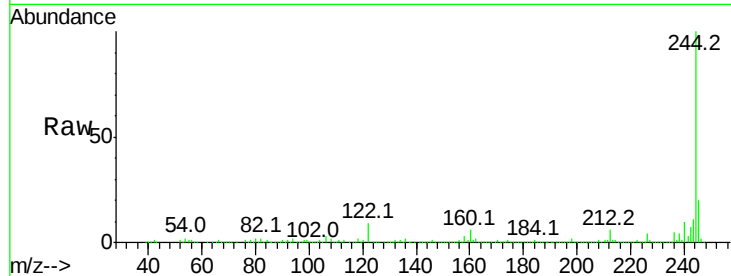
ClientSampleId :

SURCHARGE-SP-24

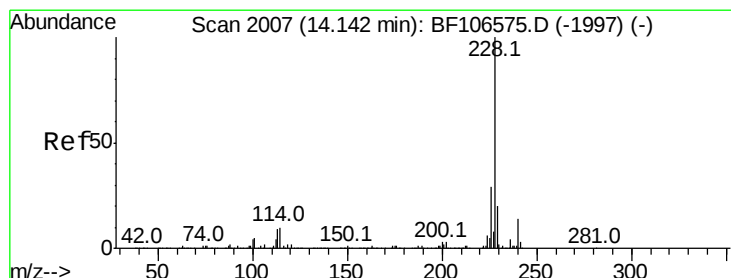
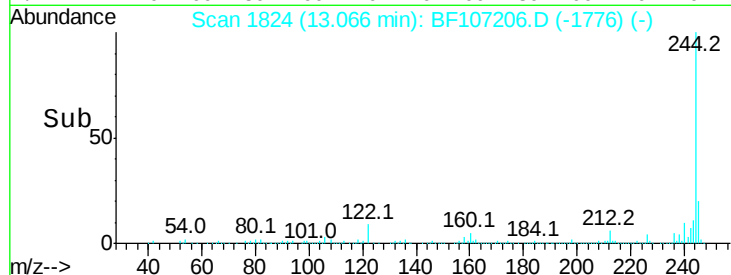
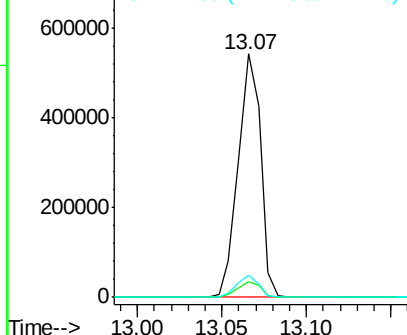
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.0	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 17.400 ng

RT: 14.13 min Scan# 2005

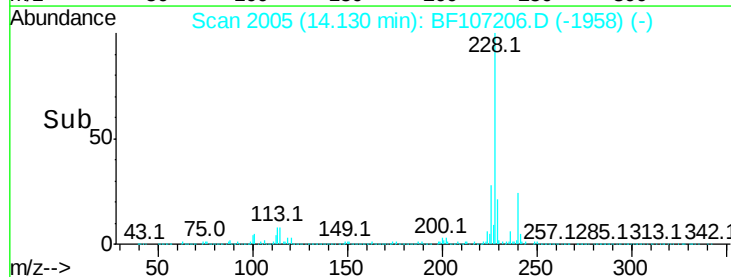
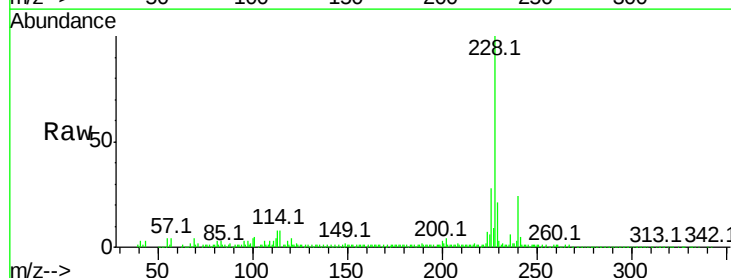
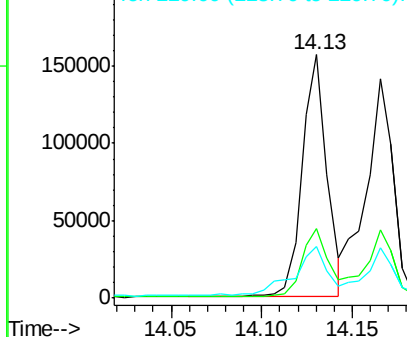
Delta R.T. -0.02 min

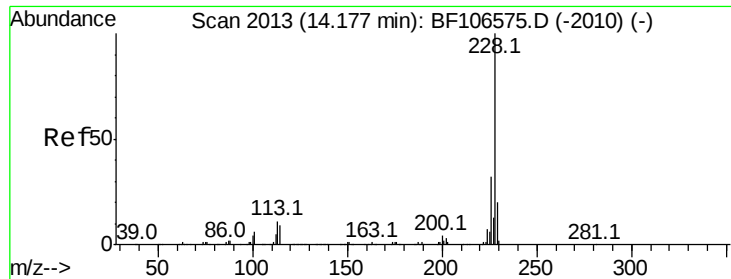
Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.3	15.8	23.6

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: 18.661 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Instrument :

BNA_F

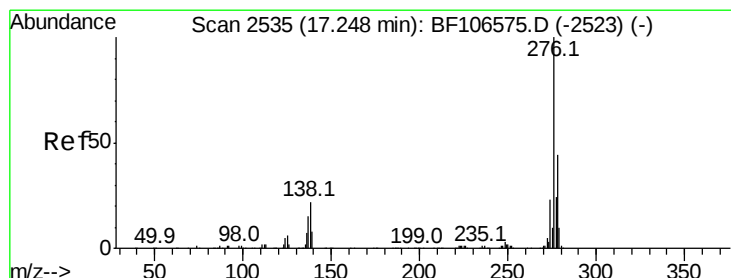
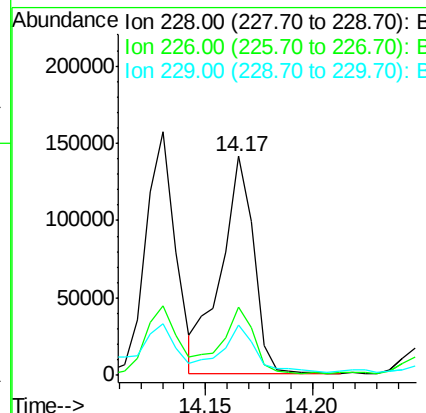
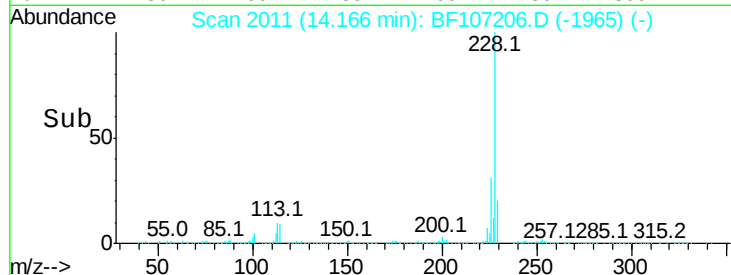
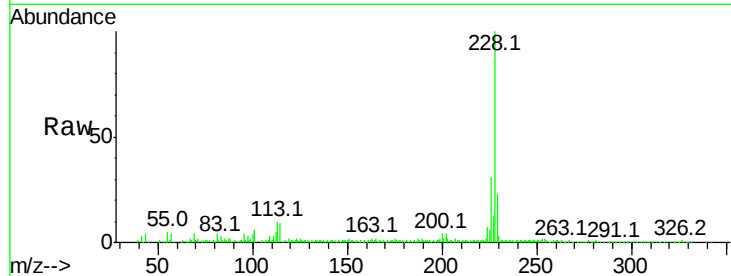
ClientSampleId :

SURCHARGE-SP-24

Tot Ion:	228	Resp:	148797
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	22.8	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.463 ng

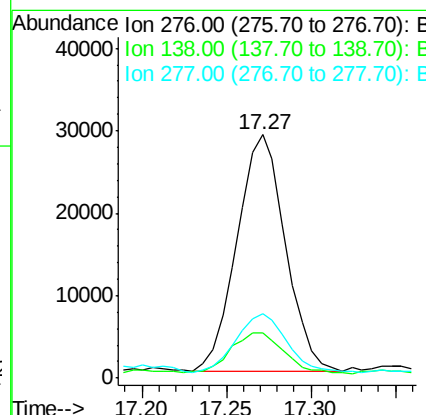
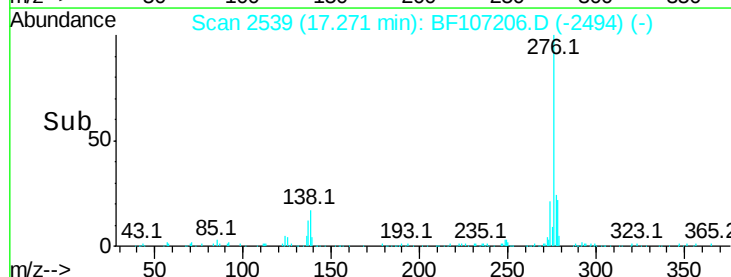
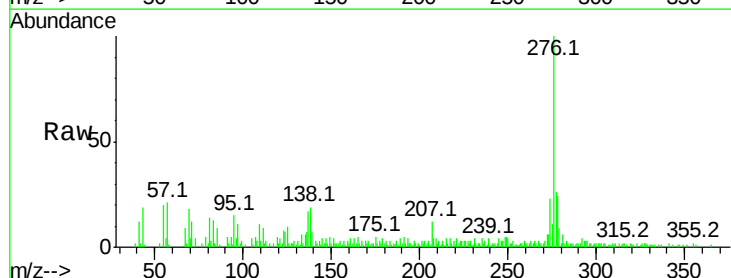
RT: 17.27 min Scan# 2539

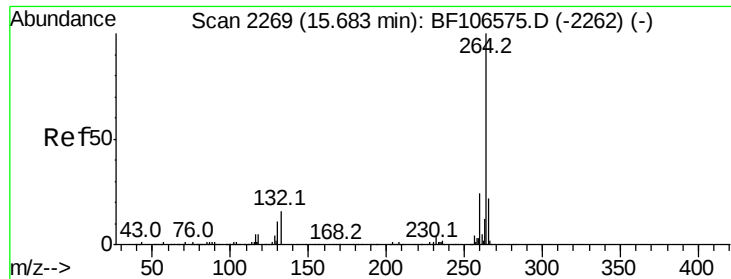
Delta R.T. -0.04 min

Lab File: BF107206.D

Acq: 7 Jul 2018 15:09

Tgt Ion:	276	Resp:	57270
Ion Ratio	Lower	Upper	
276	100		
138	19.2	25.0	37.6#
277	25.9	20.1	30.1





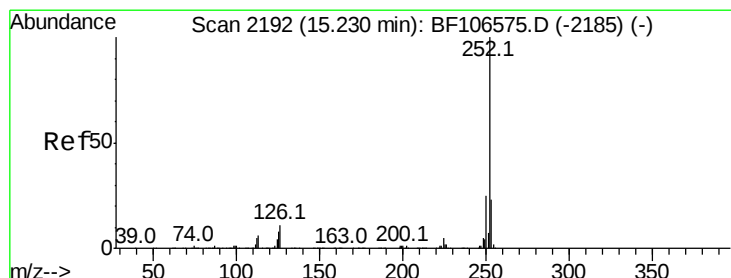
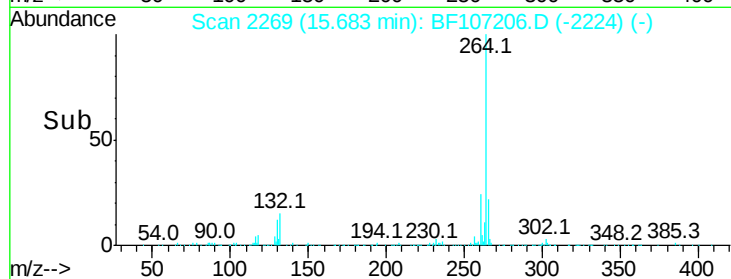
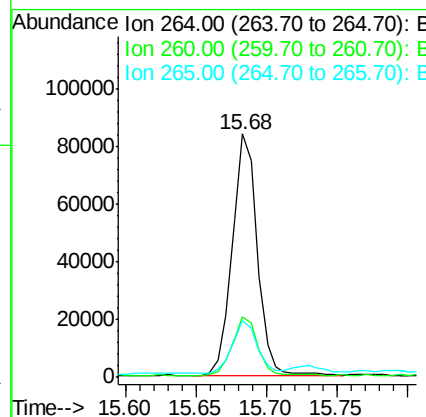
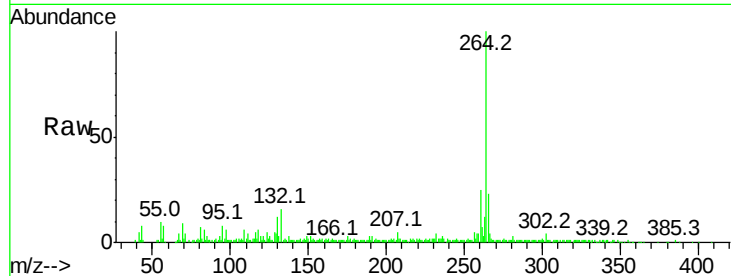
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.1	17.5	26.3

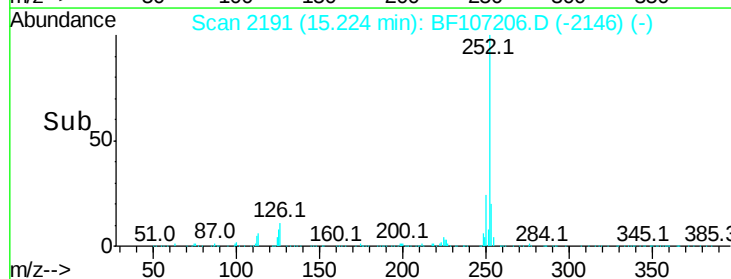
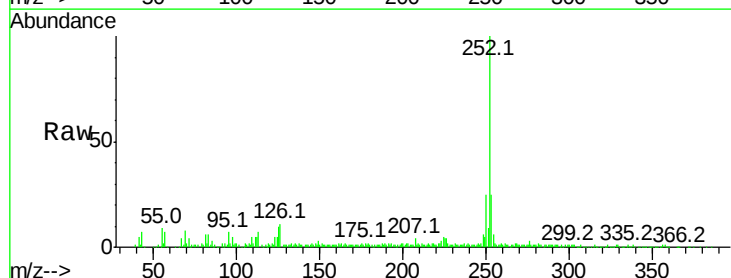
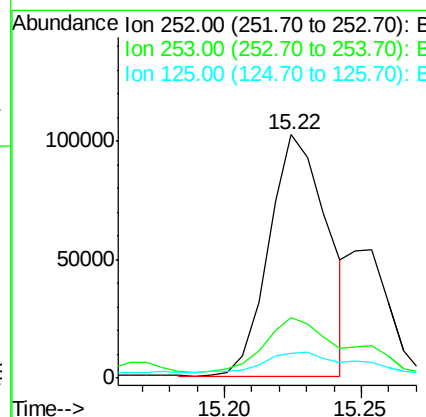
Manual Integrations
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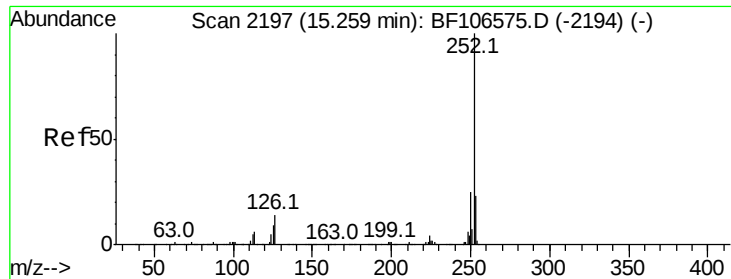
Sohil
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#87
Benzo(b)fluoranthene
Concen: 23.618 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	10.4	9.0	13.6





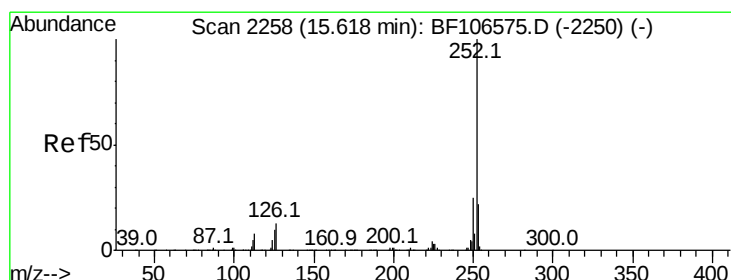
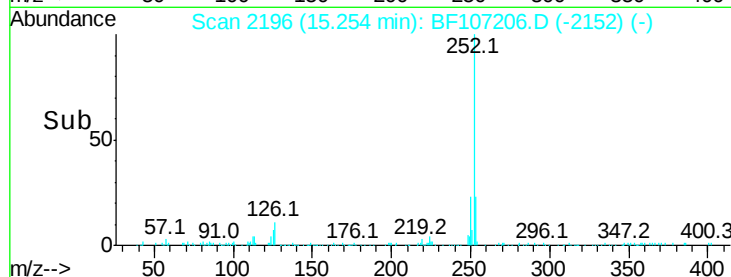
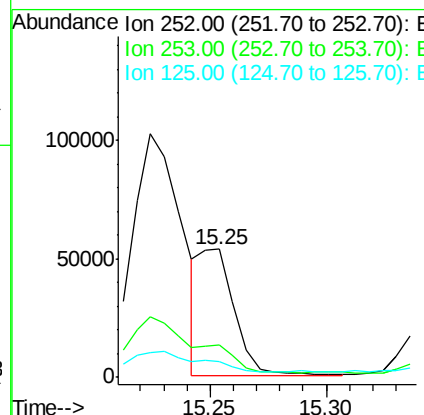
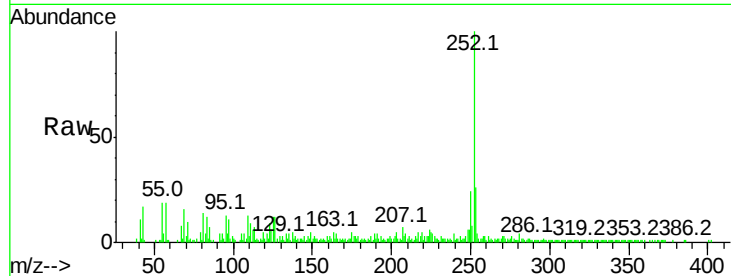
#88
Benzo(k)fluoranthene
Concen: 9.011 ng/mL
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	11.8	10.2	15.2

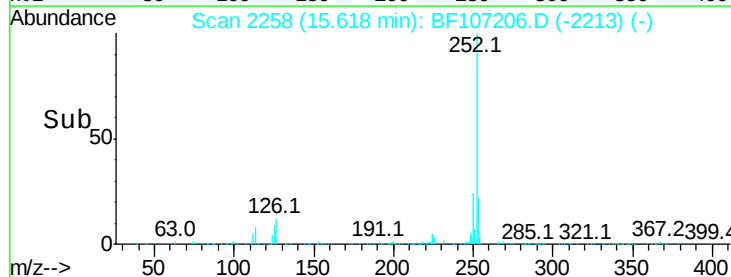
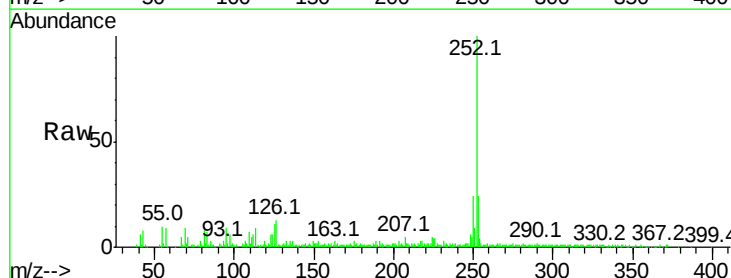
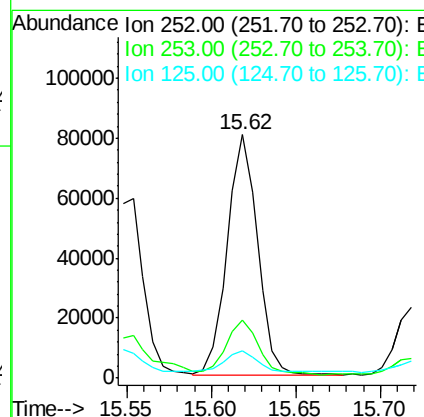
Manual Integrations
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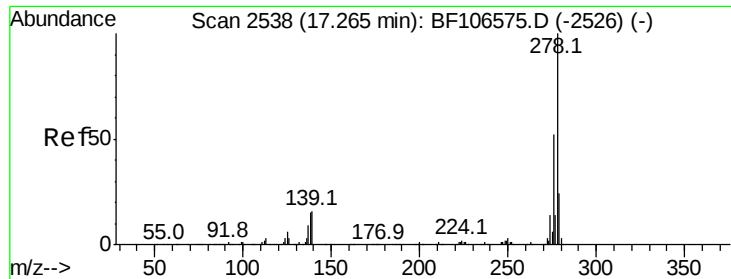
Sohil
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#89
Benzo(a)pyrene
Concen: 17.830 ng/mL
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	11.4	9.8	14.6





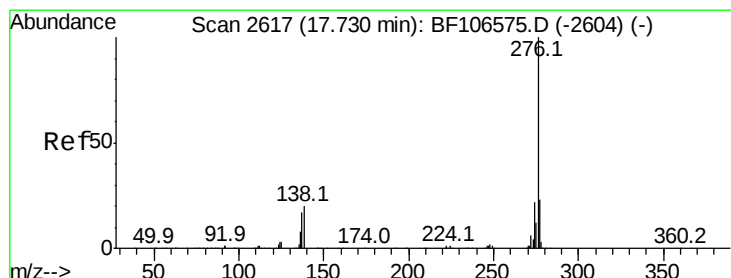
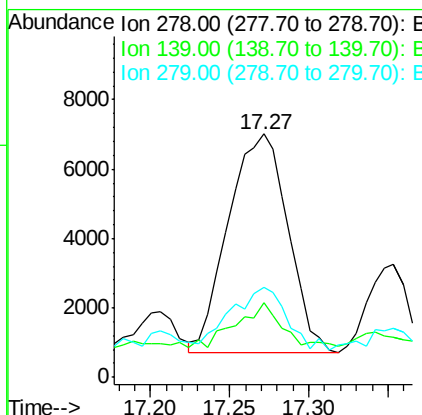
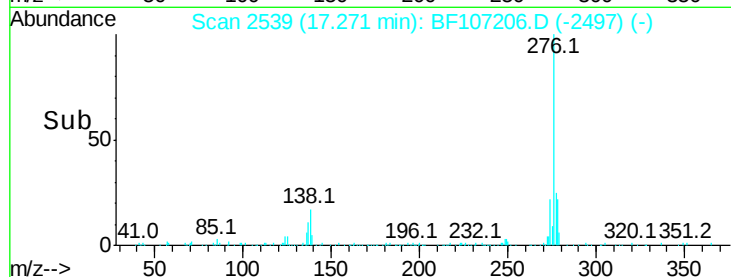
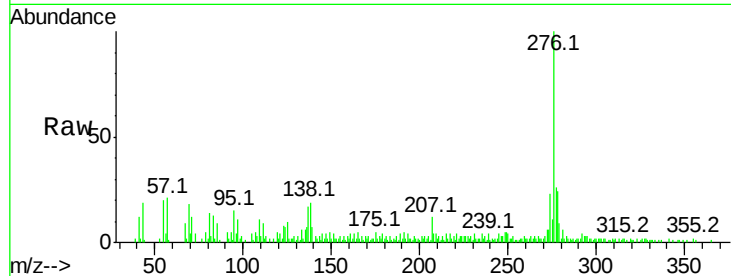
#90
Dibenzo(a,h)anthracene
Concen: 3.395 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.7	15.9	23.9#
279	36.9	19.0	28.4#

Manual Integrations
APPROVED

Sohil
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#91
Benzo(g,h,i)perylene
Concen: 12.129 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107206.D
Acq: 7 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	21.1	21.8	32.8#

