

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107230.D
 Acq On : 9 Jul 2018 15:54
 Operator : JU/SJ
 Sample : J3879-03RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2RE

Manual Integrations
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Quant Time: Jul 09 17:38:04 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	38466	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	130608	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	59012	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	124020	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	117222	20.00	ng	-0.02
86) Perylene-d12	15.70	264	76046	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	230729	101.57	ng	-0.01
7) Phenol-d6	6.60	99	275739	97.20	ng	-0.02
23) Nitrobenzene-d5	7.51	82	167952	71.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	77279	112.99	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	296429	85.03	ng	-0.02
78) Terphenyl-d14	13.08	244	397380	82.12	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.09	79	21456	9.419	ng	97
31) Naphthalene	8.25	128	14597	2.390	ng	98
48) Acenaphthylene	9.85	152	12024	2.057	ng	99
49) Dimethylphthalate	9.70	163	86988	19.654	ng	99
54) Dibenzofuran	10.20	168	10269	2.038	ng	96
57) Fluorene	10.54	166	9889	2.473	ng	# 96
70) Phenanthrene	11.51	178	118836	19.866	ng	99
71) Anthracene	11.57	178	35378	5.794	ng	99
72) Carbazole	11.72	167	13985	2.447	ng	96
73) Di-n-butylphthalate	12.03	149	20466	3.039	ng	99
74) Fluoranthene	12.71	202	212651	32.254	ng	95
77) Pvrene	12.94	202	205878	26.634	ng	99
80) Benzo(a)anthracene	14.14	228	113433	15.877	ng	97
82) Chrysene	14.18	228	107363	16.335	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	39812	7.138	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	101693m	21.527	ng	
88) Benzo(k)fluoranthene	15.27	252	39854m	8.859	ng	
89) Benzo(a)pyrene	15.63	252	64227	15.294	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	11866	3.334	ng	# 82
91) Benzo(a,h,i)perylene	17.79	276	40573	11.663	ng	# 89

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

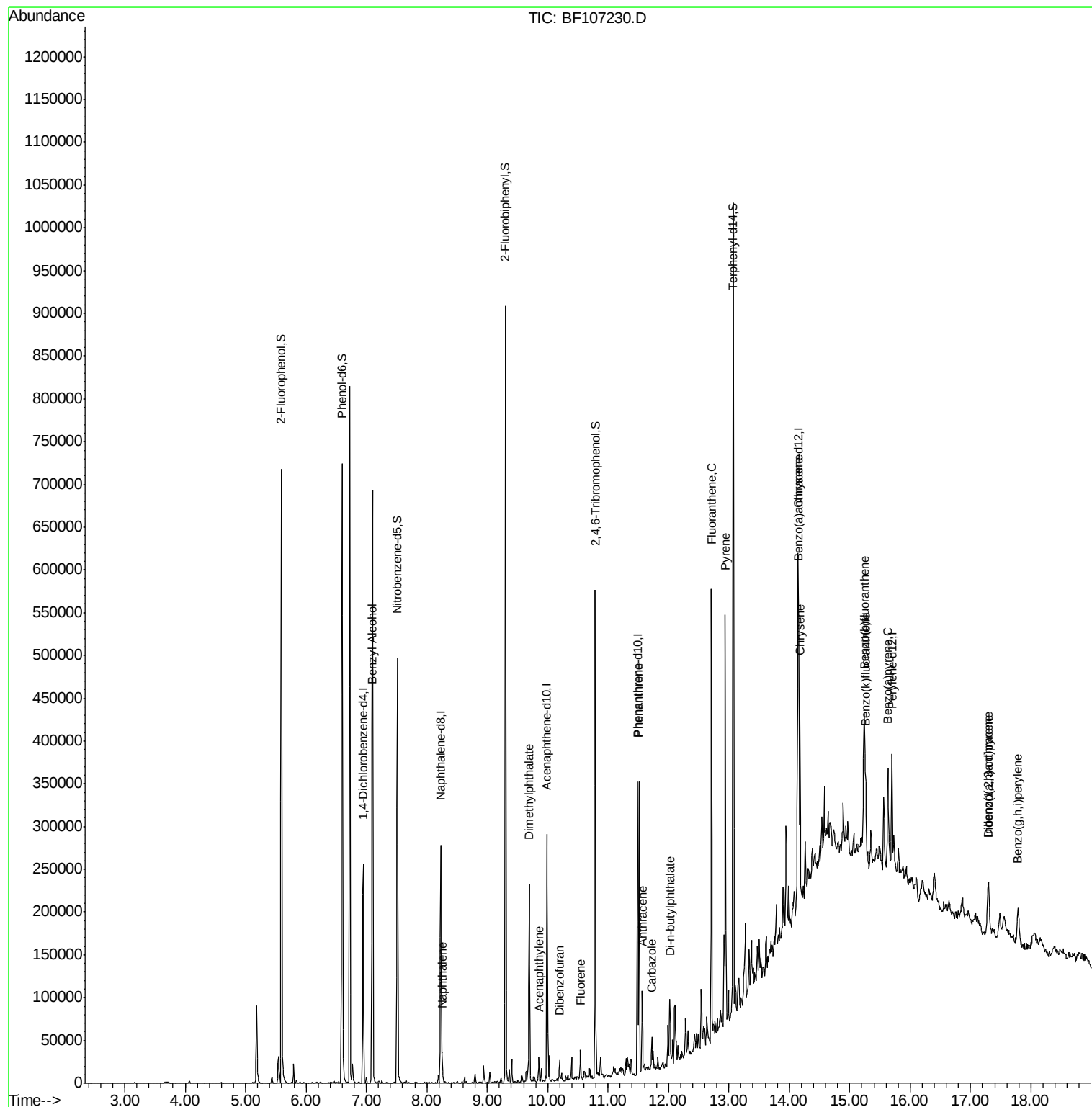
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

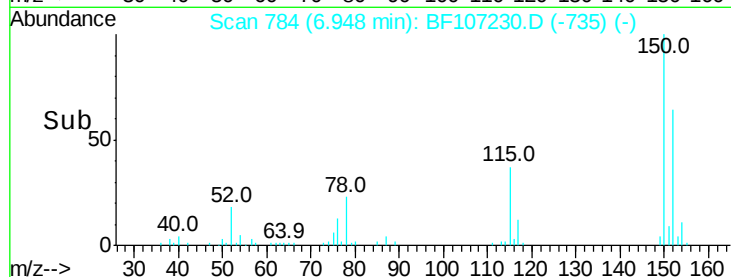
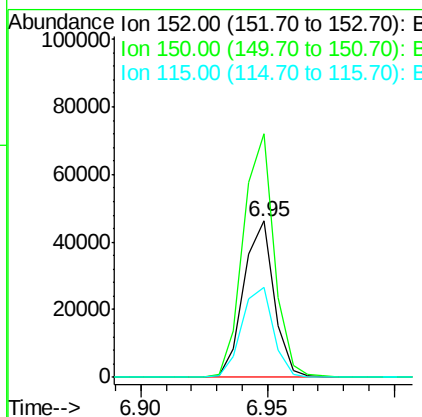
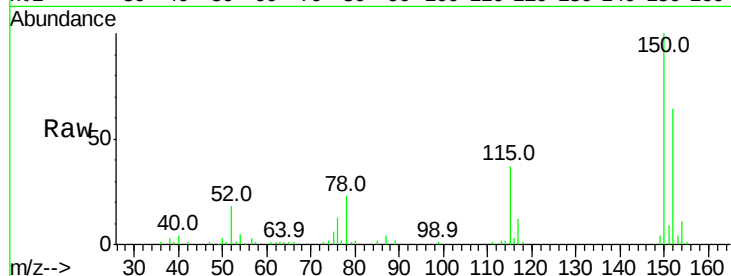
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	57.5	50.1	75.1

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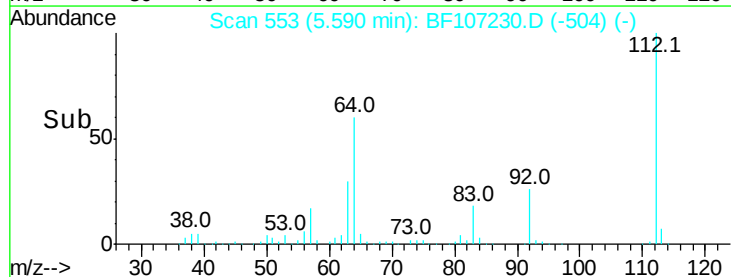
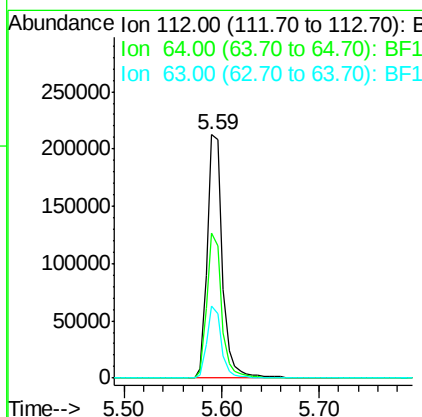
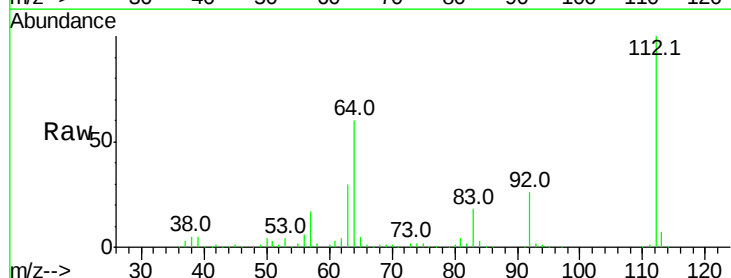
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#5

2-Fluorophenol
Concen: 101.570 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 97.200 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

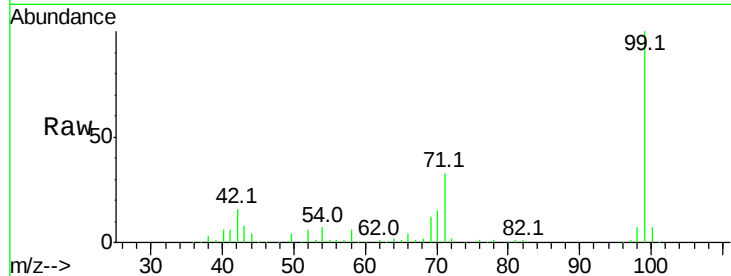
ClientSampleId :

SURCHARGE-SP-2RE

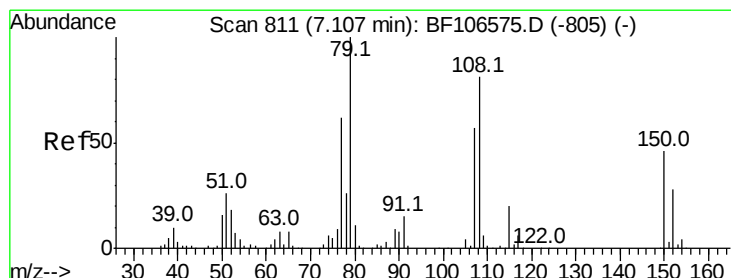
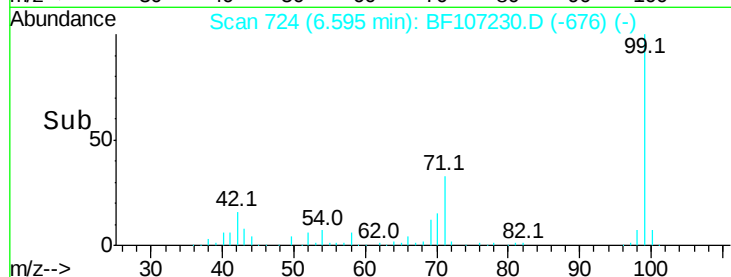
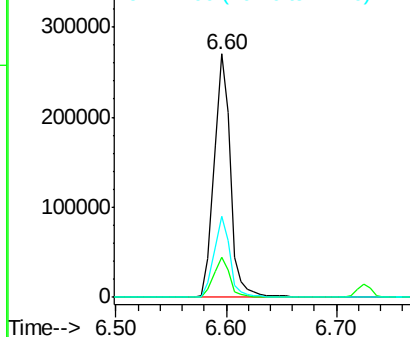
Tot Ion:	99	Resp:	275739
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.5	25.4	38.0

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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



#15

Benzyl Alcohol

Concen: 9.419 ng

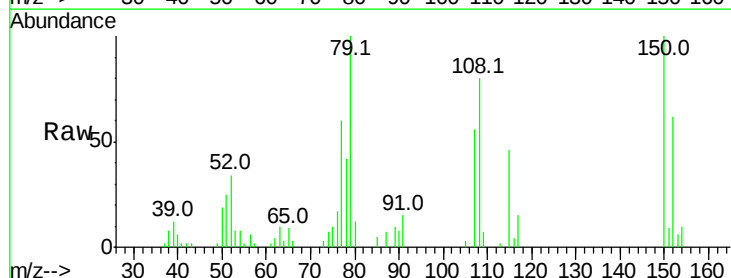
RT: 7.09 min Scan# 808

Delta R.T. -0.02 min

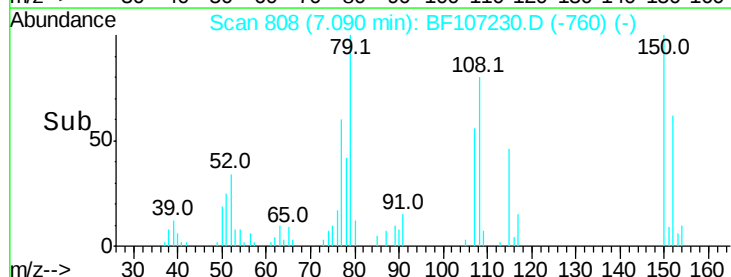
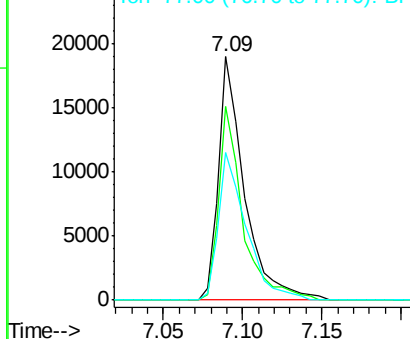
Lab File: BF107230.D

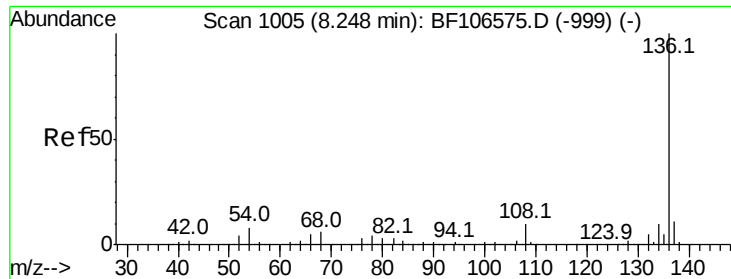
Acq: 9 Jul 2018 15:54

Tgt Ion:	79	Resp:	21456
Ion Ratio	Lower	Upper	
79	100		
108	79.7	65.1	97.7
77	60.4	50.6	75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





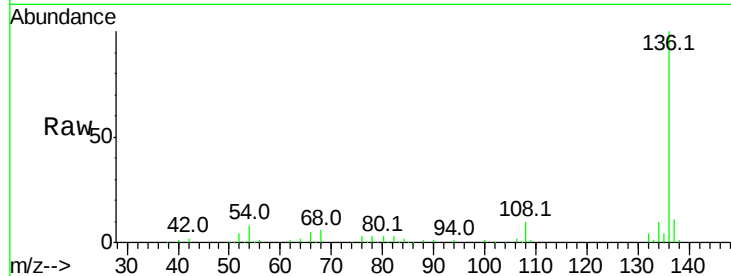
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

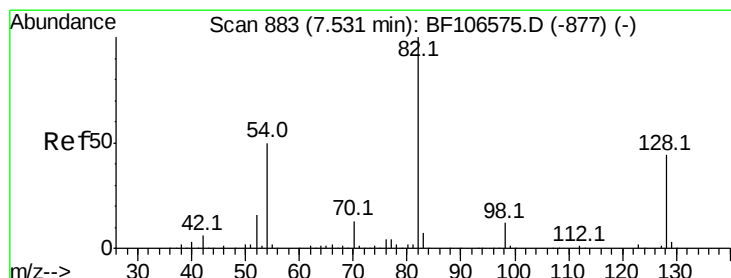
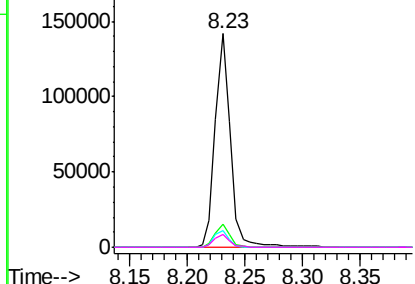
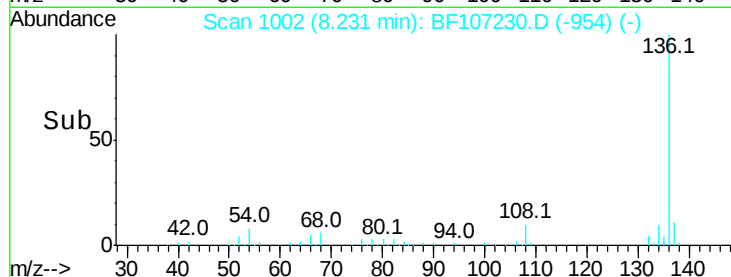
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	8.1	6.6	9.8	
68	6.1	5.0	7.4	

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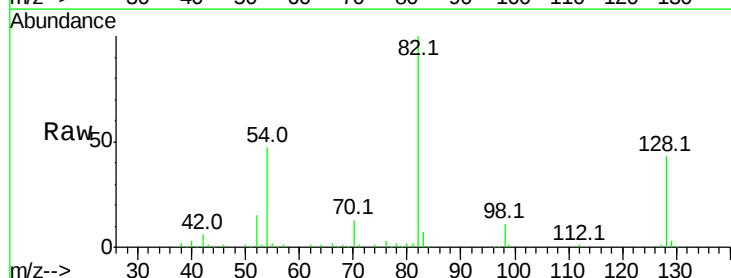


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

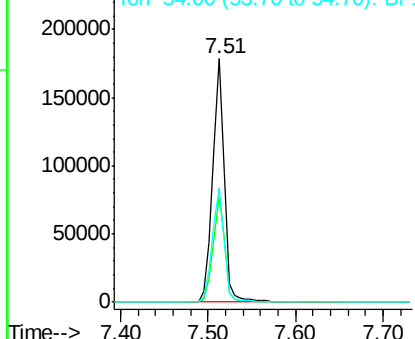
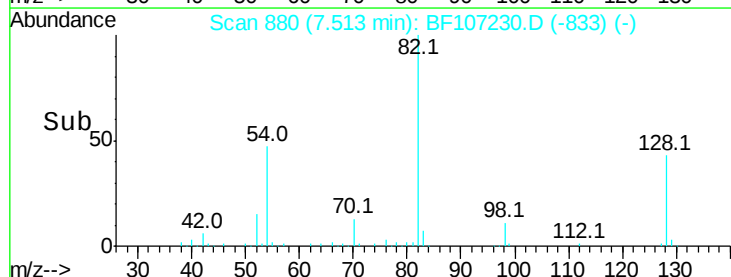


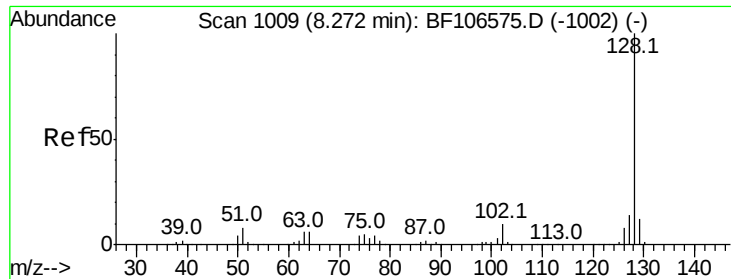
#23
Nitrobenzene-d5
Concen: 71.463 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	36.1	54.1	
54	47.1	41.4	62.2	



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





#31

Naphthalene

Concen: 2.390 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

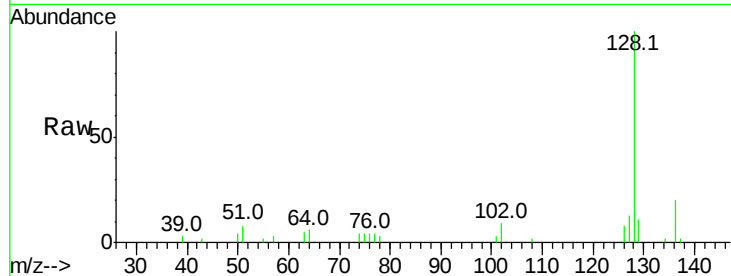
ClientSampleId :

SURCHARGE-SP-2RE

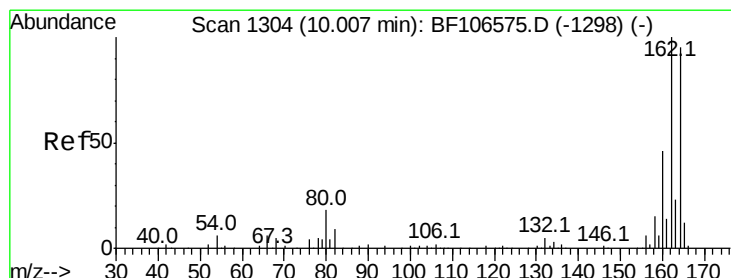
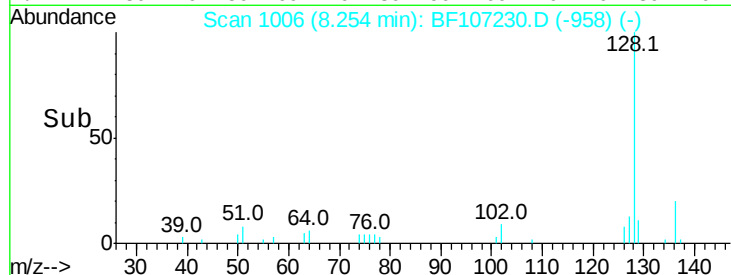
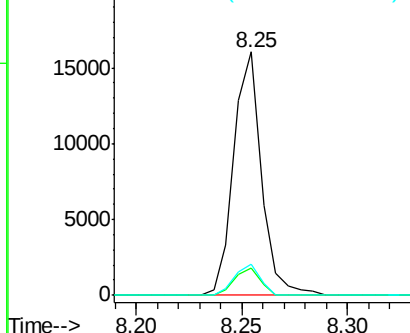
Tot Ion:128	Resp:	14597
Ion Ratio	Lower	Upper
128 100		
129 11.5	8.8	13.2
127 12.9	10.9	16.3

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1301

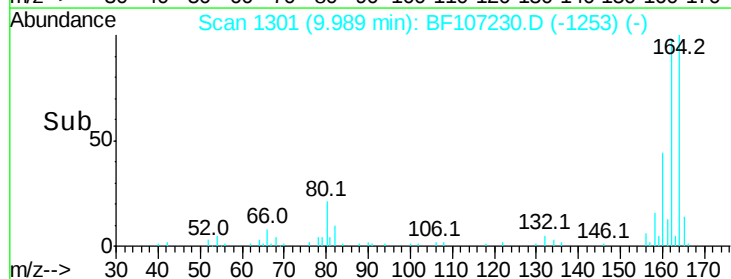
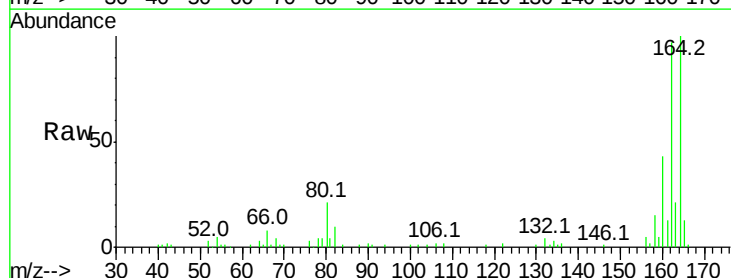
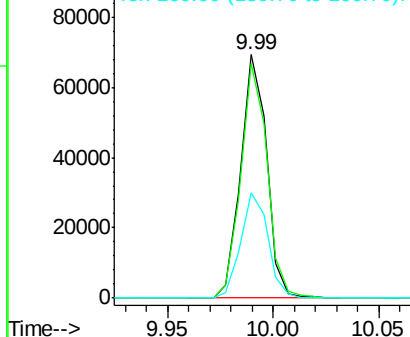
Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Tgt Ion:164	Resp:	59012
Ion Ratio	Lower	Upper
164 100		
162 96.6	86.1	129.1
160 43.1	38.3	57.5

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





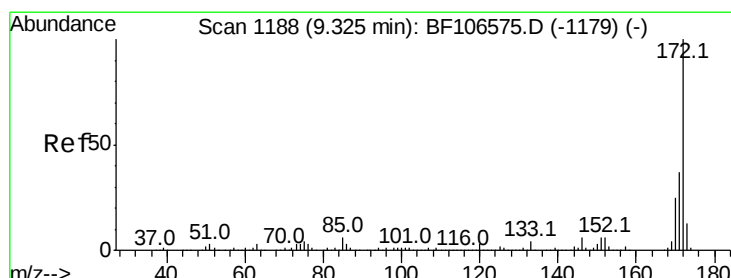
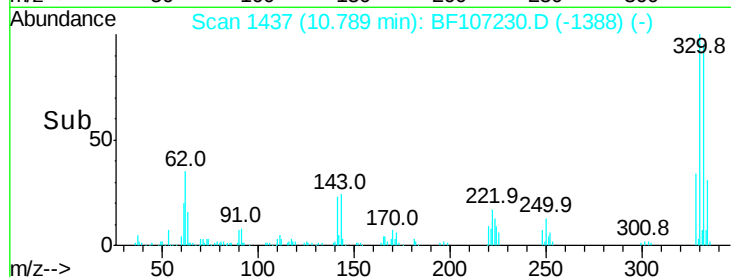
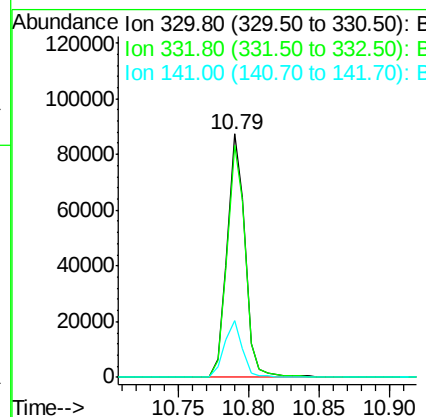
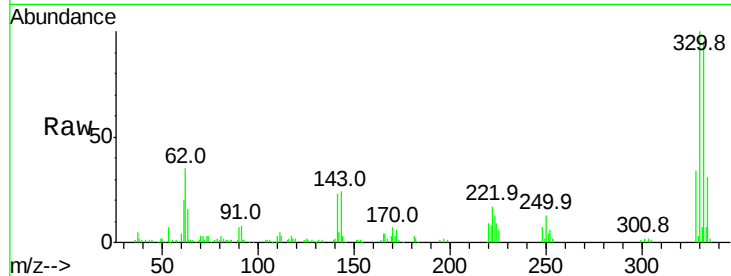
#41
 2,4,6-Tribromophenol
 Concen: 112.987 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107230.D
 Acq: 9 Jul 2018 15:54

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	23.8	29.9	44.9#

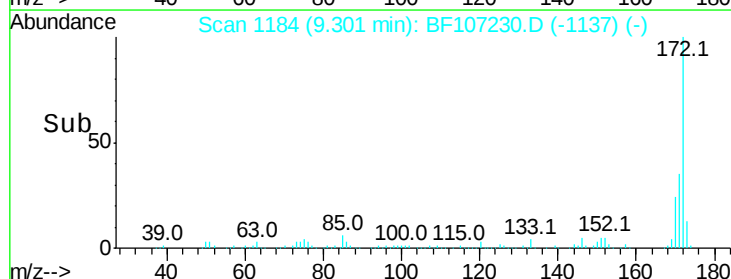
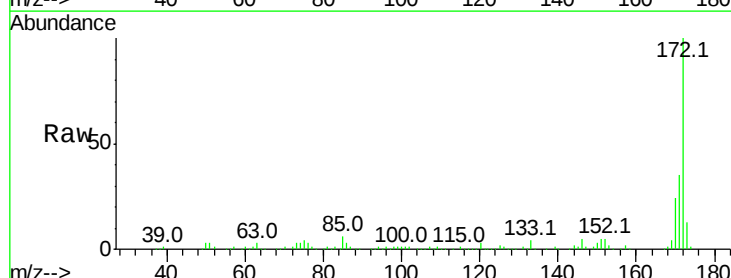
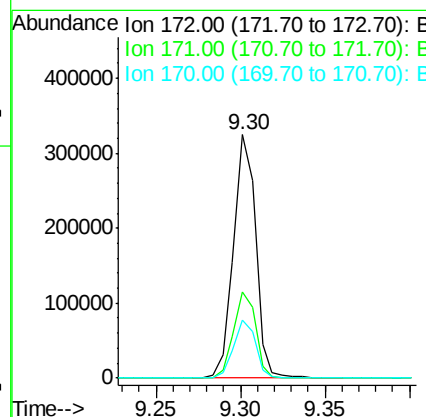
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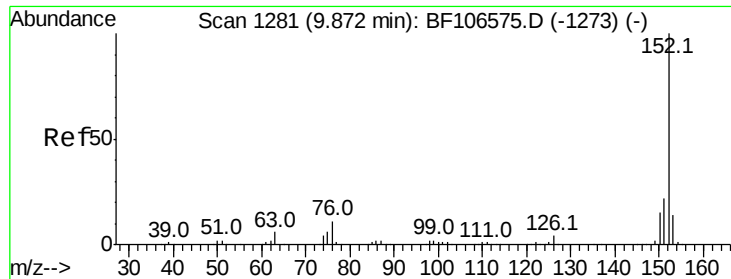
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#44
 2-Fluorobiphenyl
 Concen: 85.029 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107230.D
 Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4





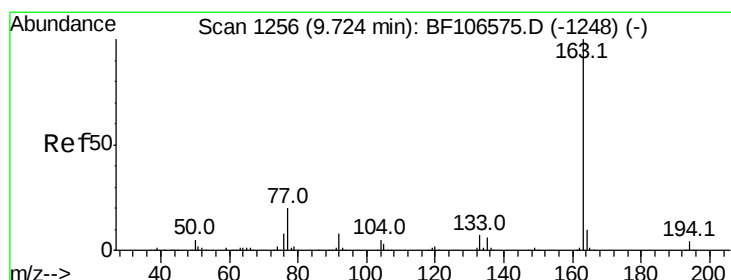
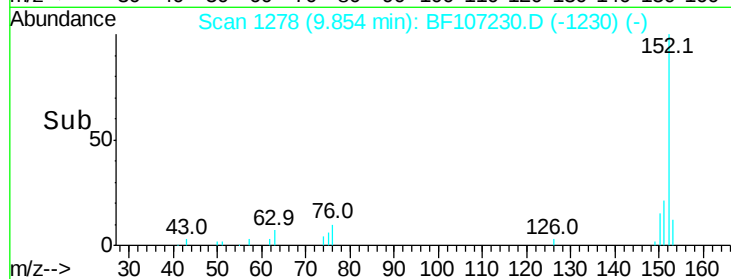
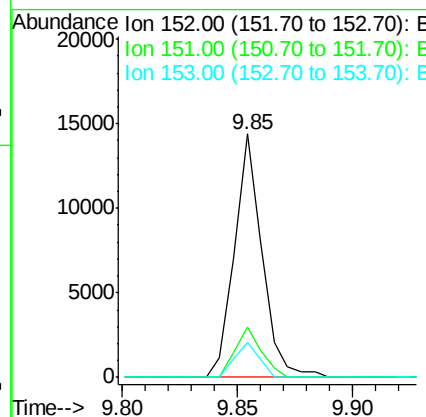
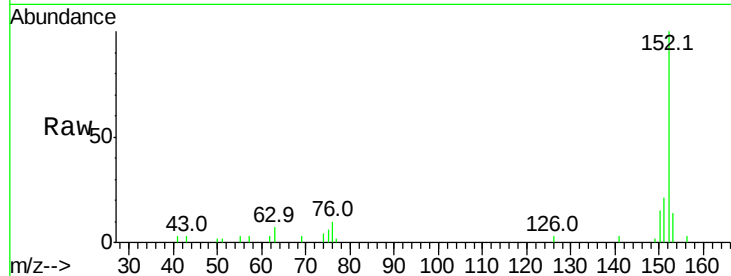
#48
Acenaphthylene
Concen: 2.057 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	14.1	10.7	16.1

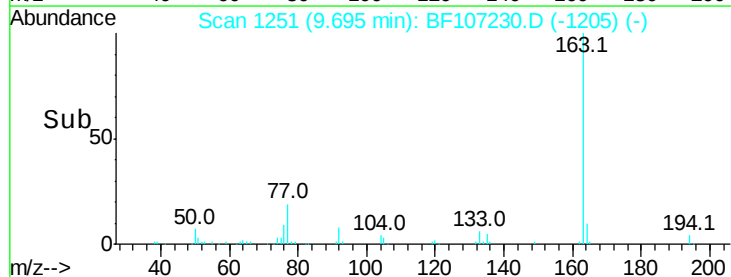
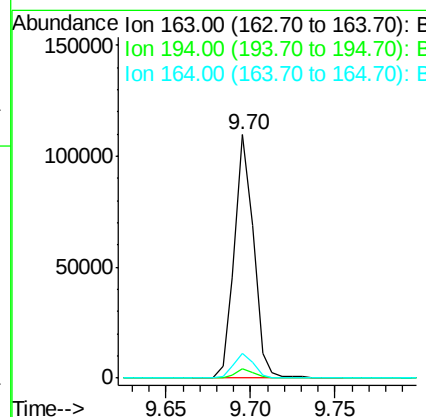
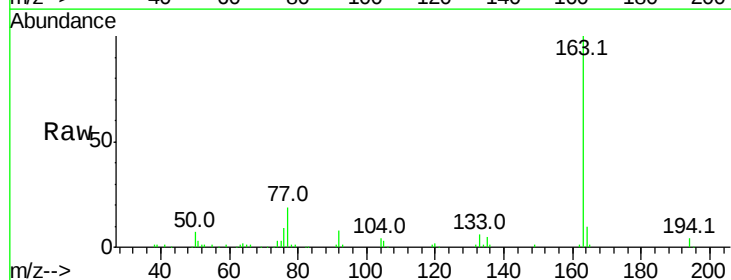
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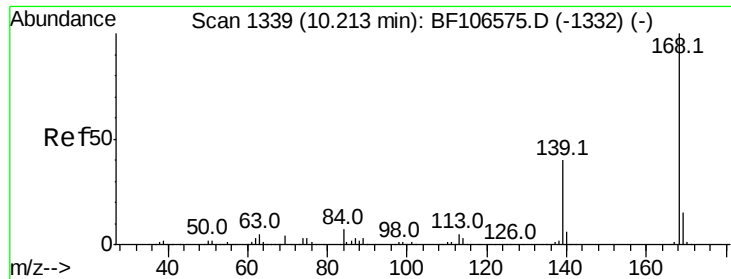
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#49
Dimethylphthalate
Concen: 19.654 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.4	8.2	12.2





#54

Dibenzenofuran

Concen: 2.038 ng

RT: 10.20 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

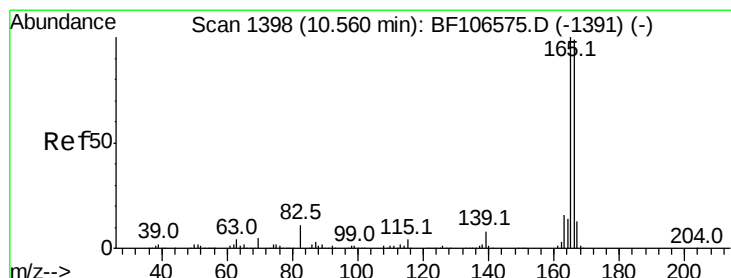
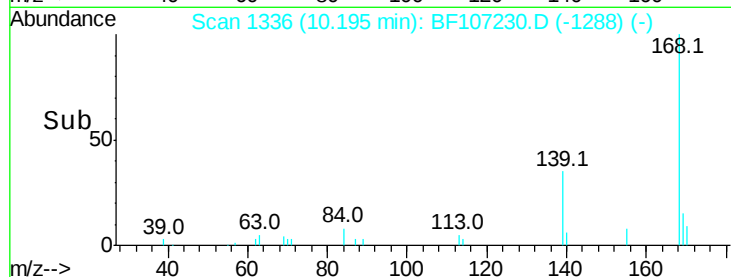
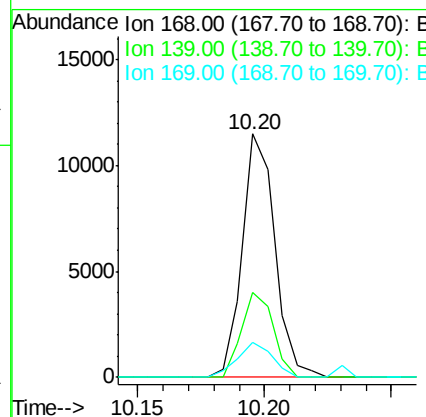
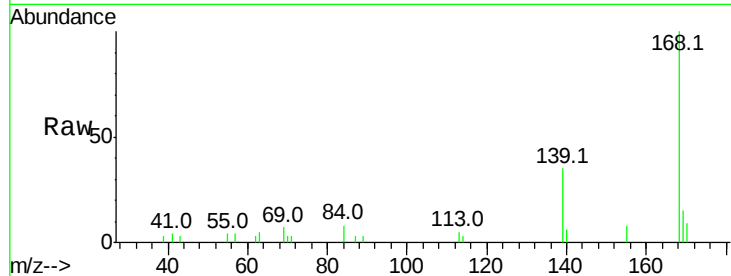
ClientSampleId :

SURCHARGE-SP-2RE

Tot Ion:	168	Resp:	10269
Ion	Ratio	Lower	Upper
168	100		
139	35.0	30.1	45.1
169	14.6	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 2.473 ng

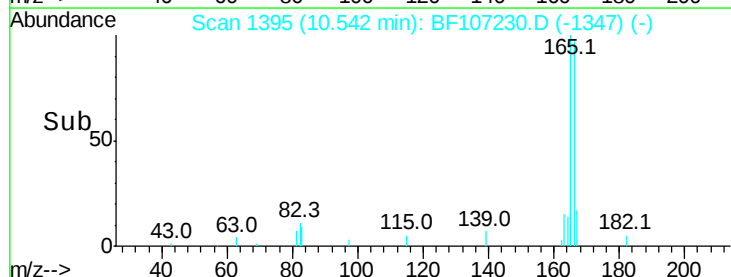
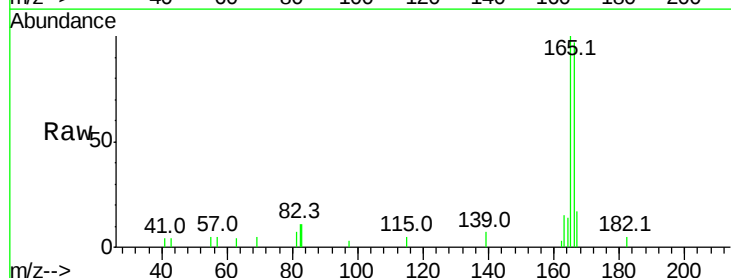
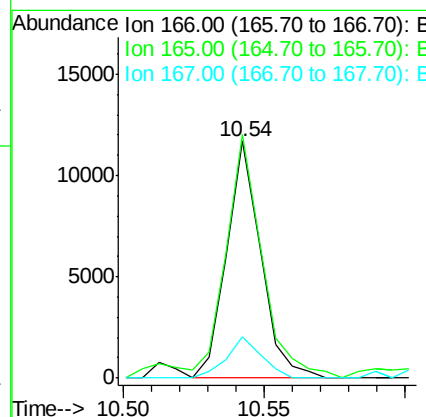
RT: 10.54 min Scan# 1395

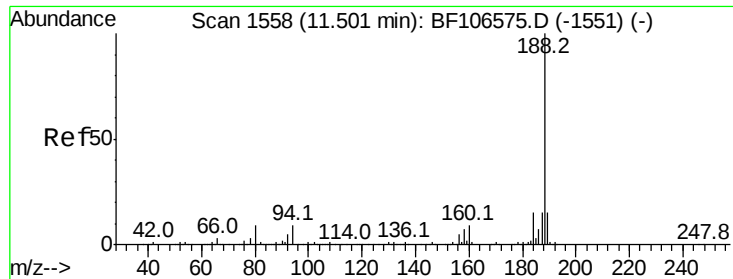
Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Tgt Ion:	166	Resp:	9889
Ion	Ratio	Lower	Upper
166	100		
165	102.8	79.8	119.8
167	17.4	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

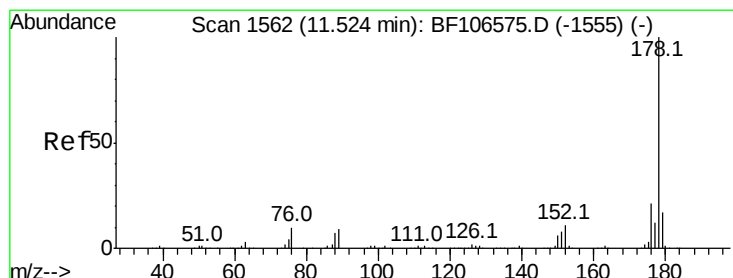
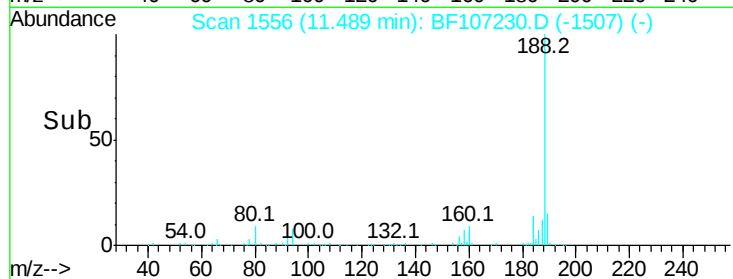
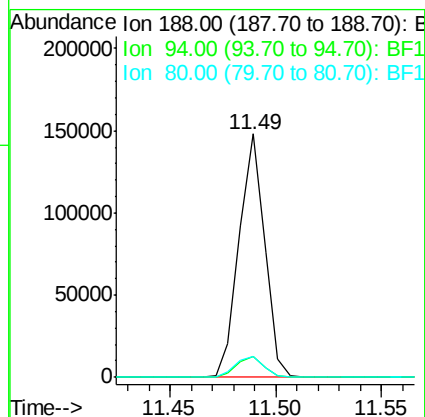
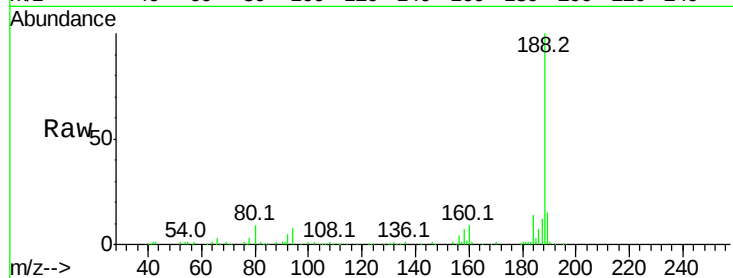
ClientSampleId :

SURCHARGE-SP-2RE

Tot Ion:	188	Resp:	124020
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.5	12.7#
80	8.8	9.2	13.8#

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#70

Phenanthrene

Concen: 19.866 ng

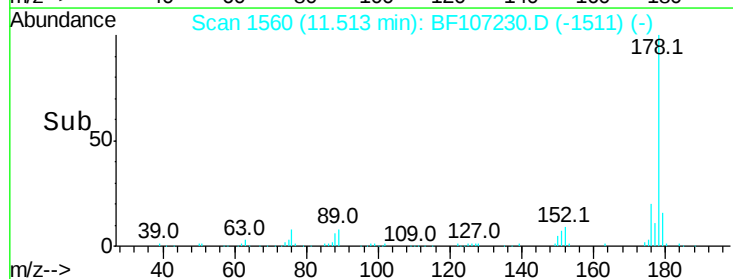
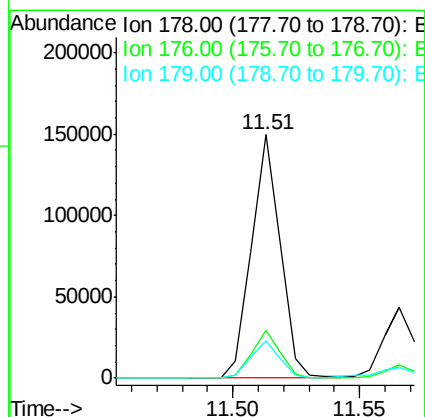
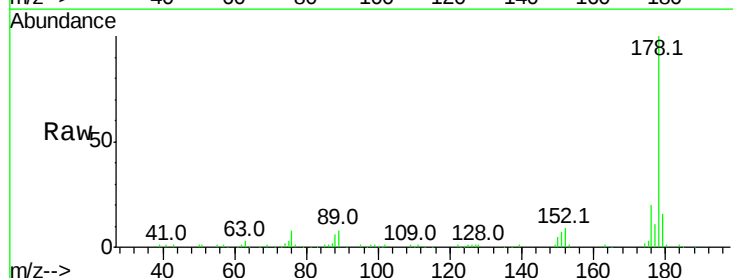
RT: 11.51 min Scan# 1560

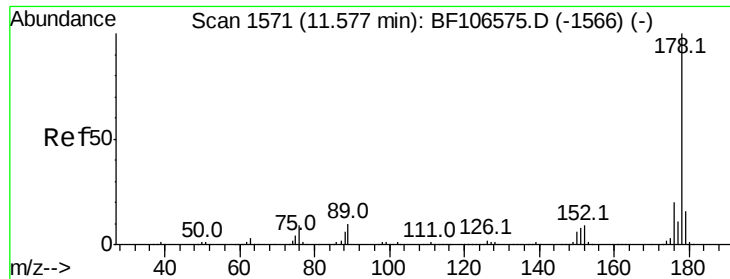
Delta R.T. -0.01 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Tgt Ion:	178	Resp:	118836
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6





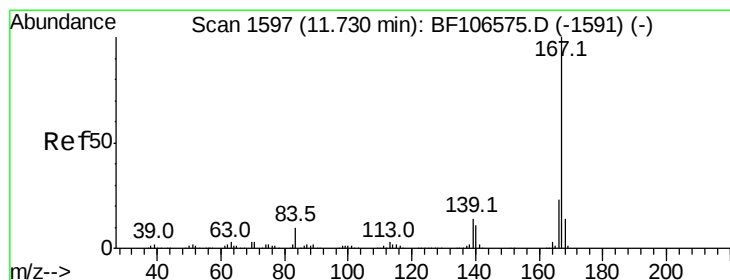
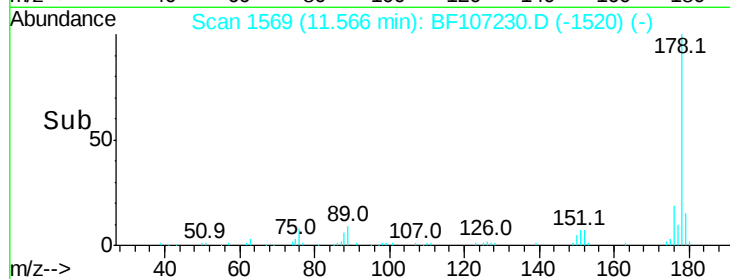
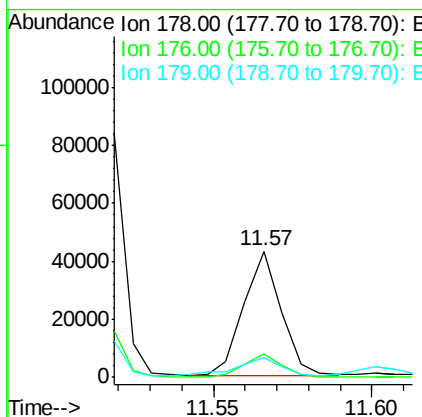
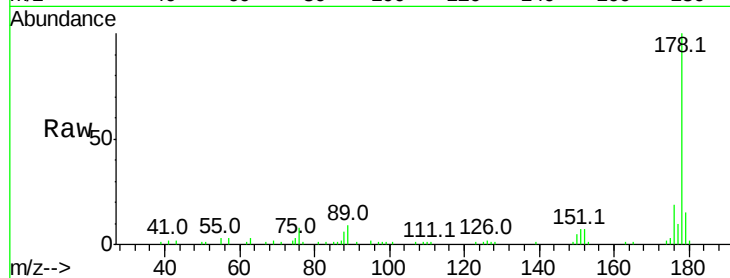
#71
 Anthracene
 Concen: 5.794 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107230.D
 Acq: 9 Jul 2018 15:54

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2RE

Tot Ion:178 Resp: 35378
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.5 12.6 19.0

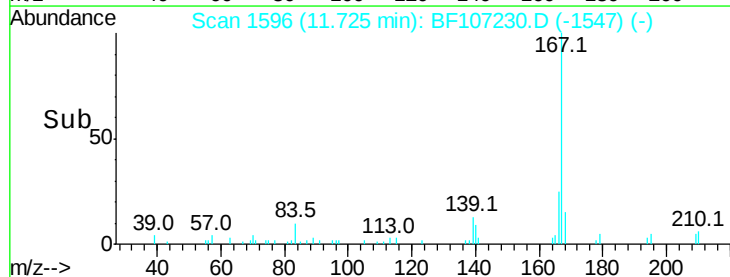
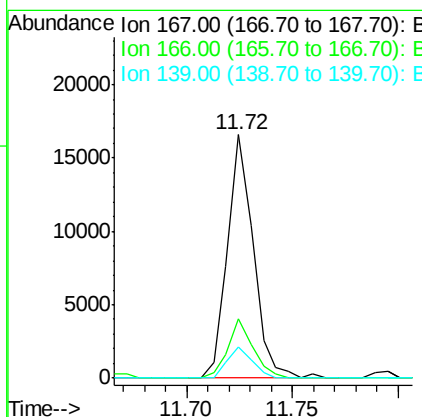
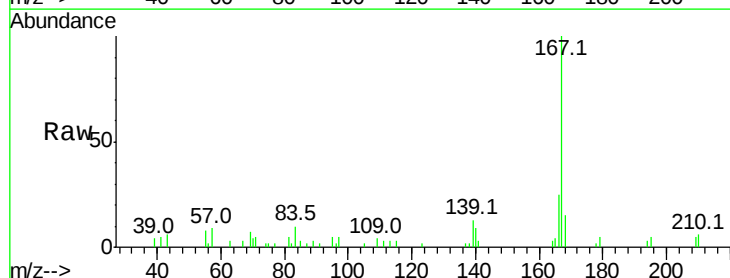
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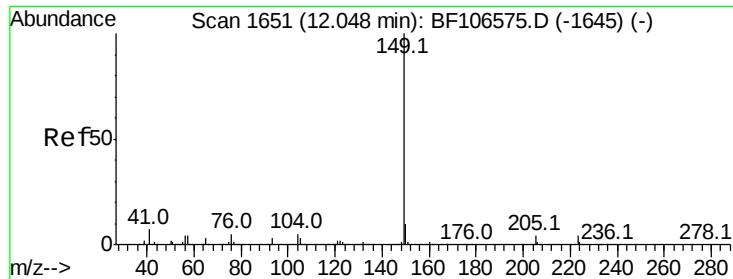
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#72
 Carbazole
 Concen: 2.447 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107230.D
 Acq: 9 Jul 2018 15:54

Tgt Ion:167 Resp: 13985
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.6 26.4
 139 12.5 10.9 16.3





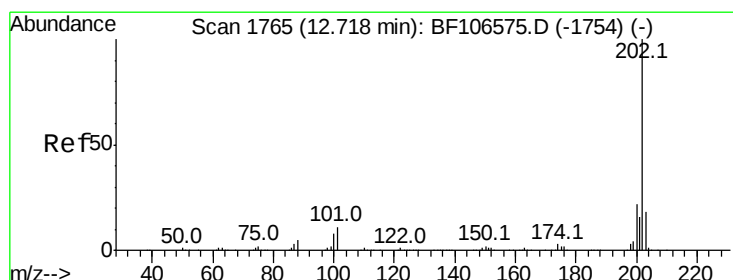
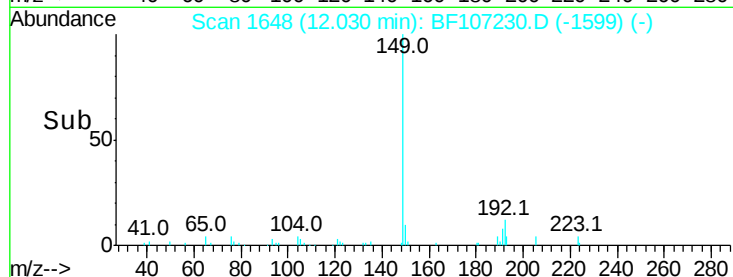
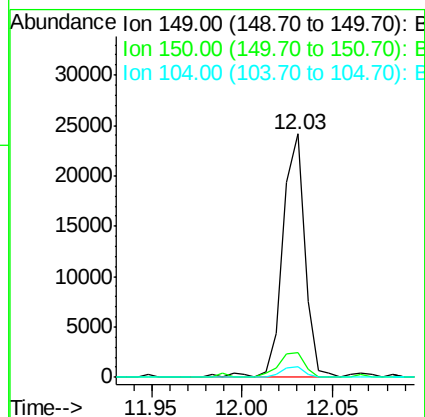
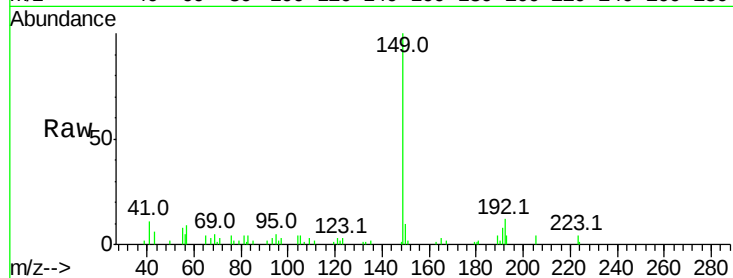
#73
Di-n-butylphthalate
Concen: 3.039 ng
RT: 12.03 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.8	11.6
104	4.4	3.8	5.8

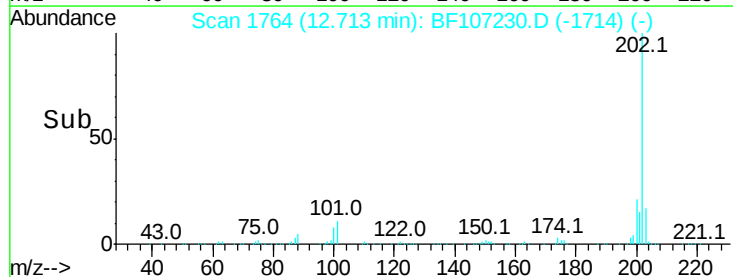
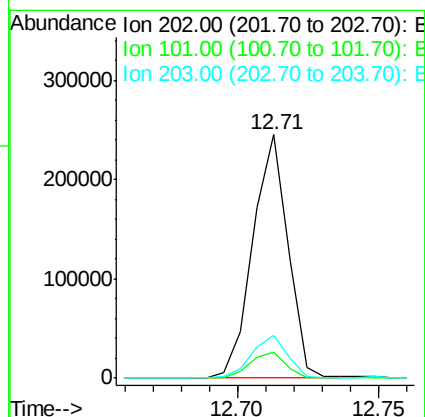
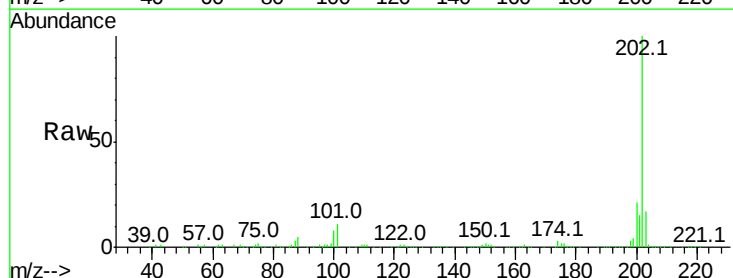
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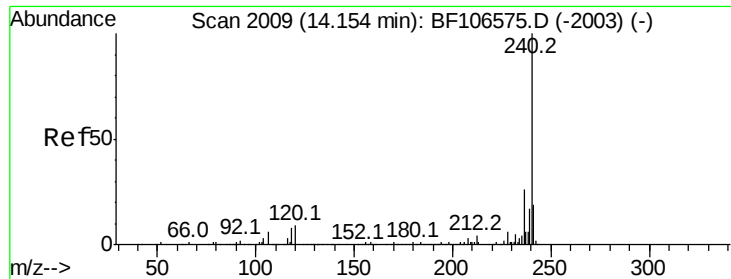
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#74
Fluoranthene
Concen: 32.254 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

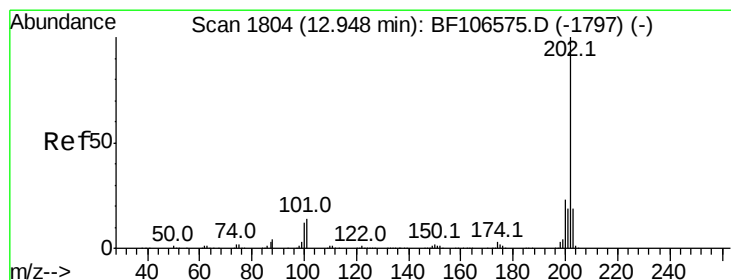
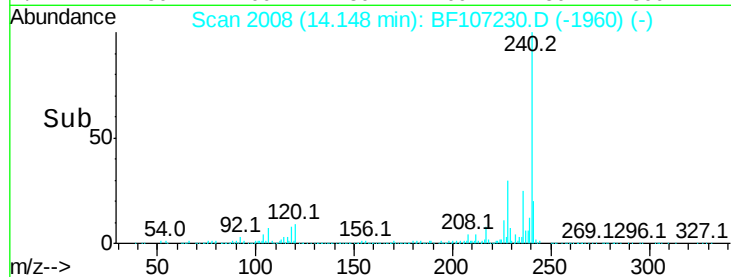
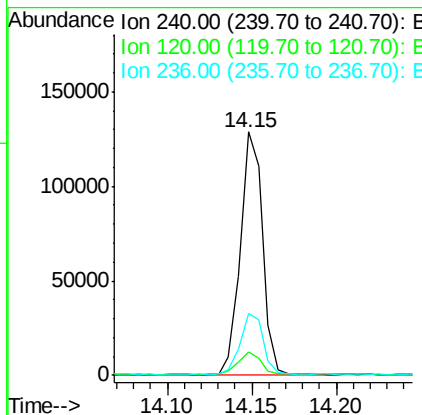
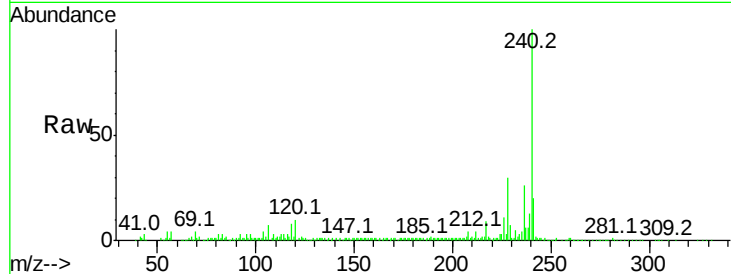
ClientSampleId :

SURCHARGE-SP-2RE

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.9	9.5	14.3	
236	25.5	20.7	31.1	

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#77

Pyrene

Concen: 26.634 ng

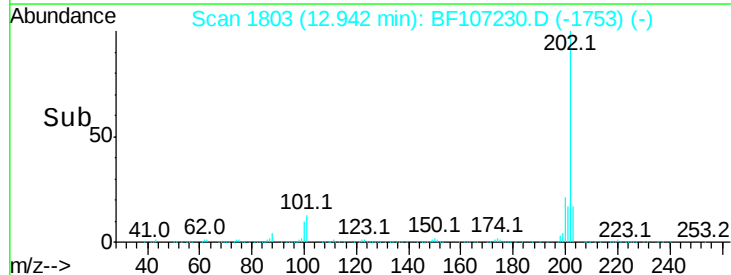
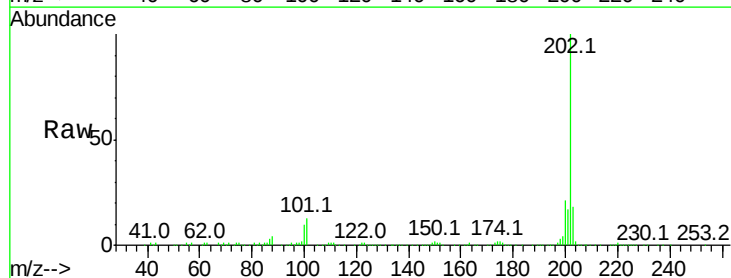
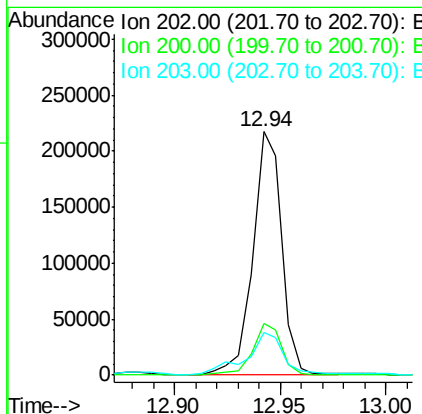
RT: 12.94 min Scan# 1803

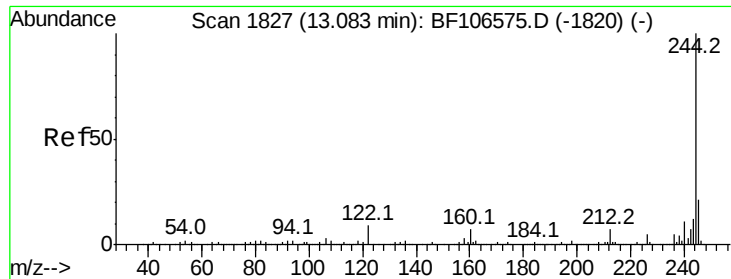
Delta R.T. -0.01 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.4	26.2	
203	17.6	14.3	21.5	





#78

Terphenyl-d14

Concen: 82.115 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Instrument :

BNA_F

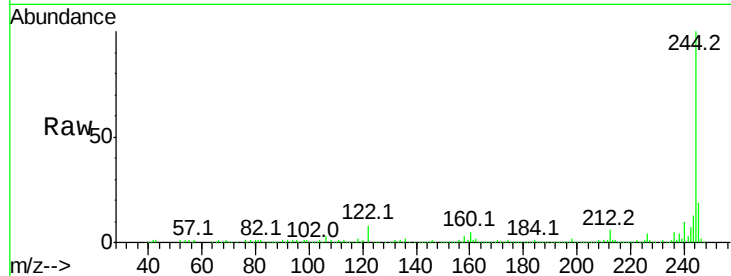
ClientSampleId :

SURCHARGE-SP-2RE

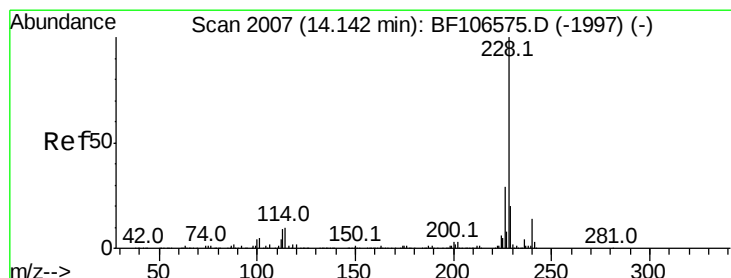
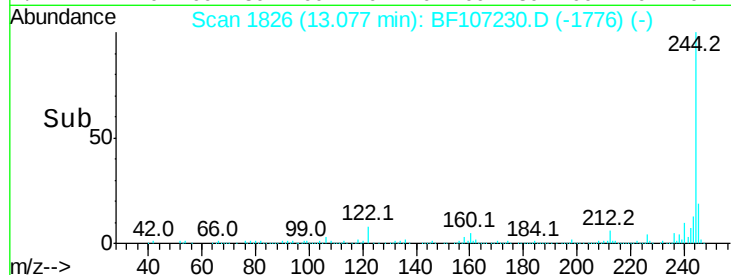
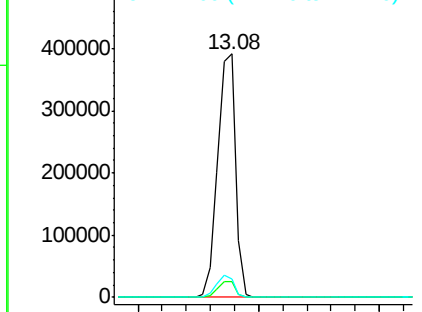
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	7.7	11.0	16.4

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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: 15.877 ng

RT: 14.14 min Scan# 2006

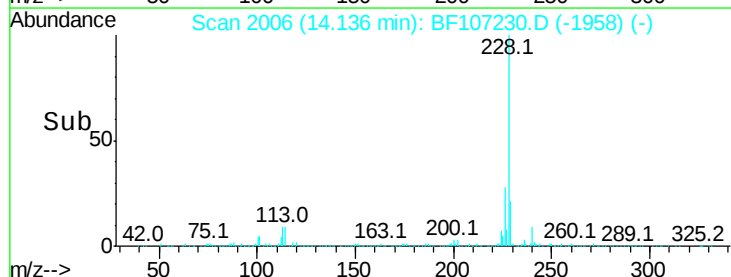
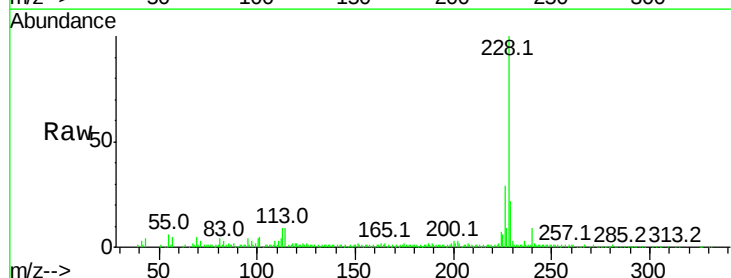
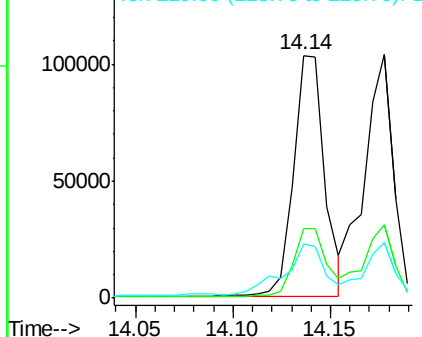
Delta R.T. -0.02 min

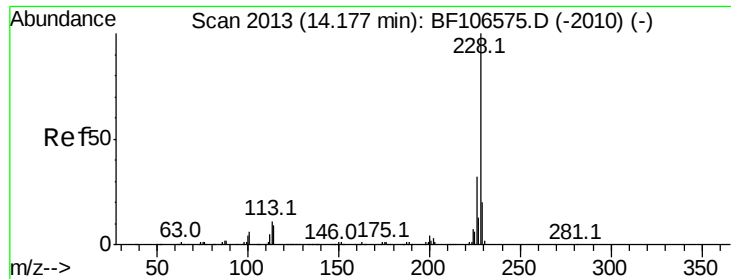
Lab File: BF107230.D

Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	22.2	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





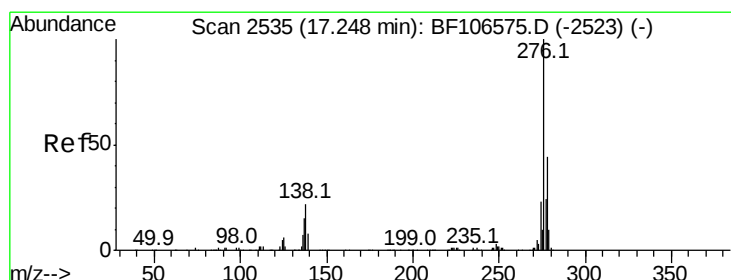
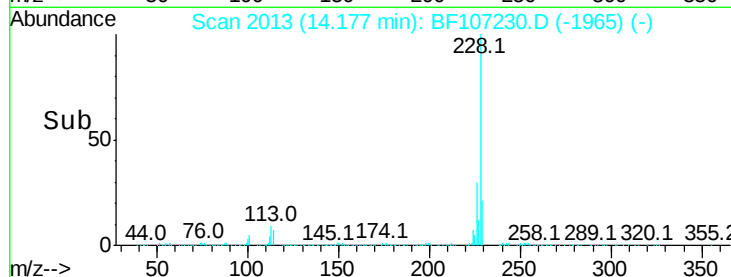
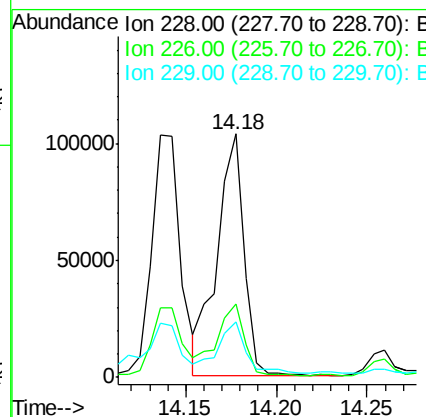
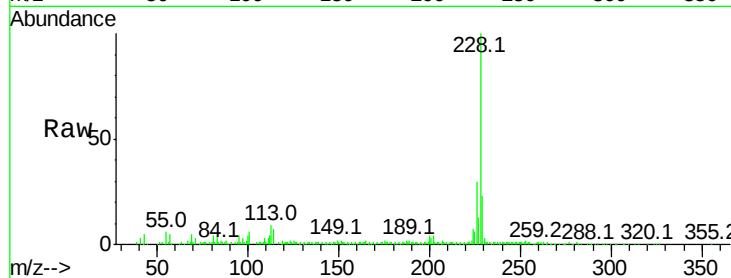
#82
Chrysene
Concen: 16.335 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.7	16.2	24.4

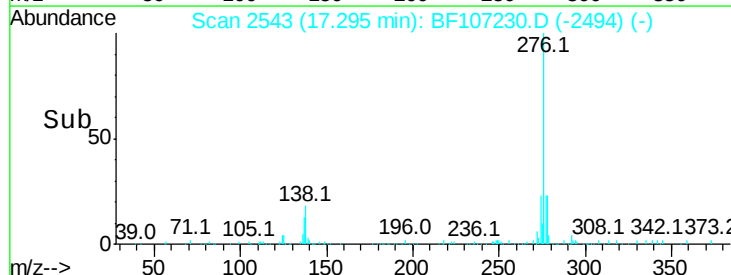
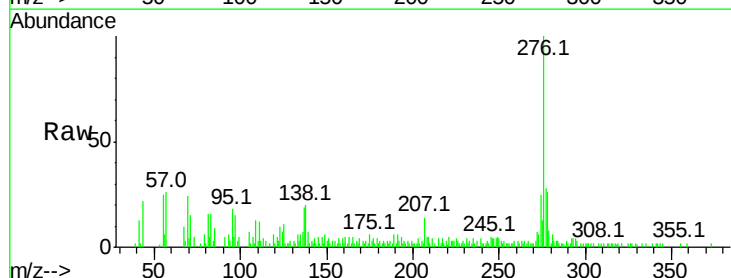
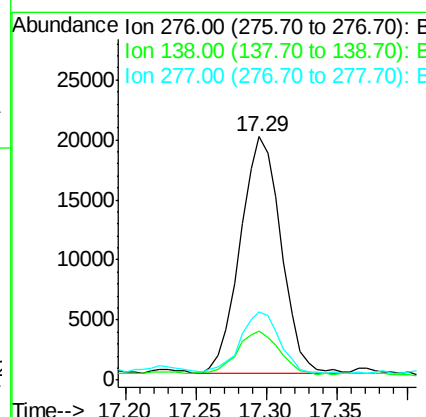
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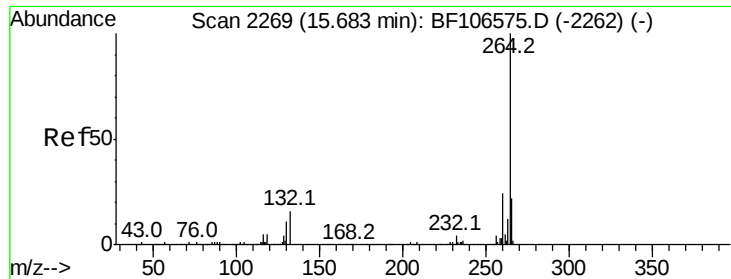
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.138 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.0	37.6#
277	25.1	20.1	30.1





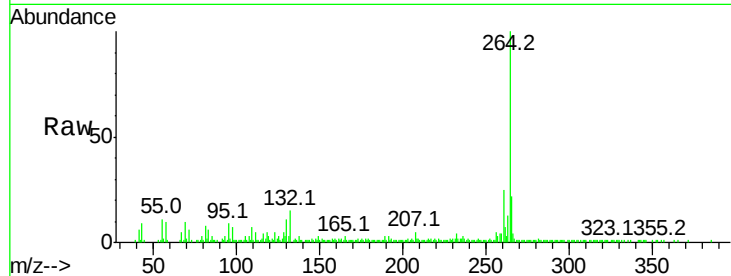
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

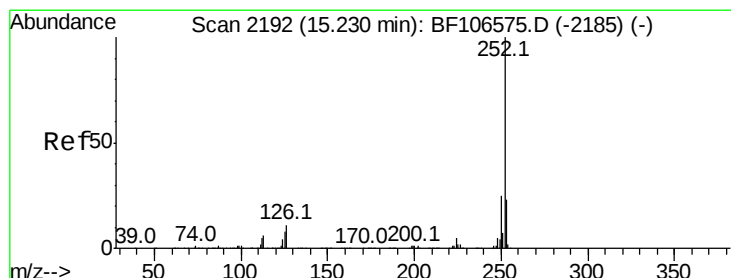
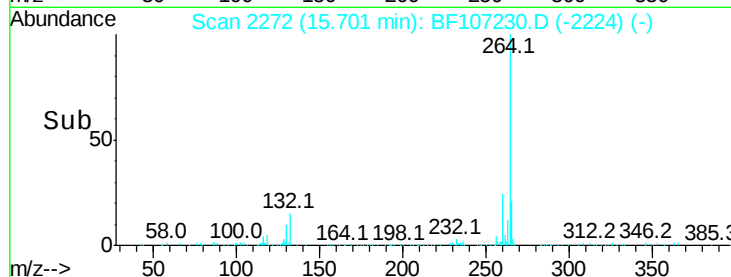
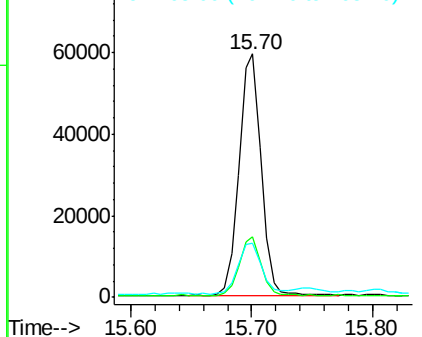
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

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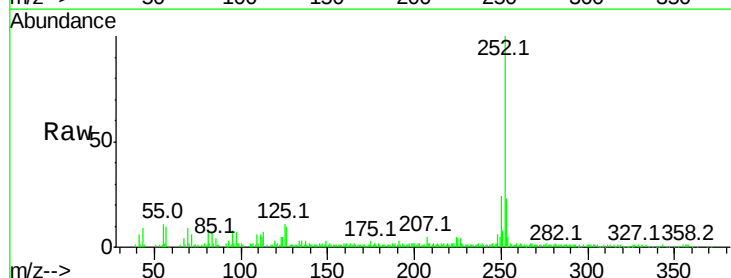


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

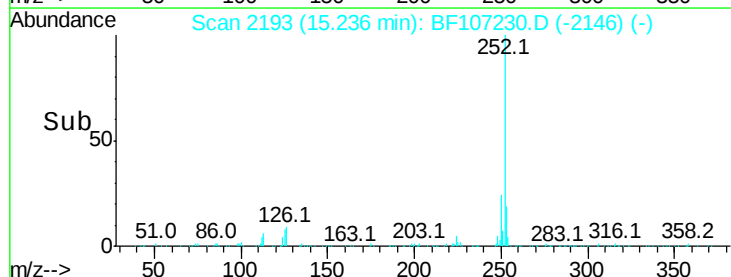
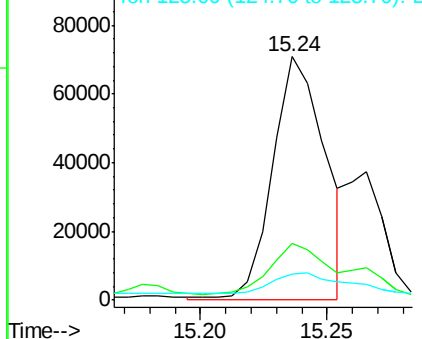


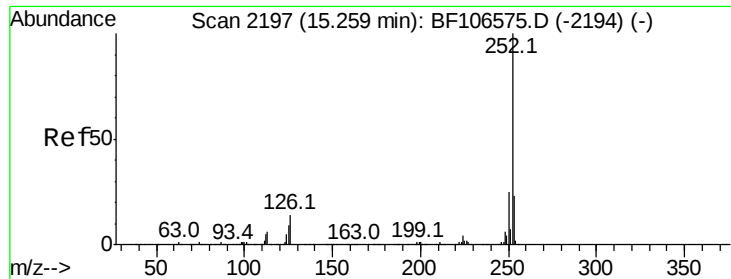
#87
Benzo(b)fluoranthene
Concen: 21.527 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	10.5	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





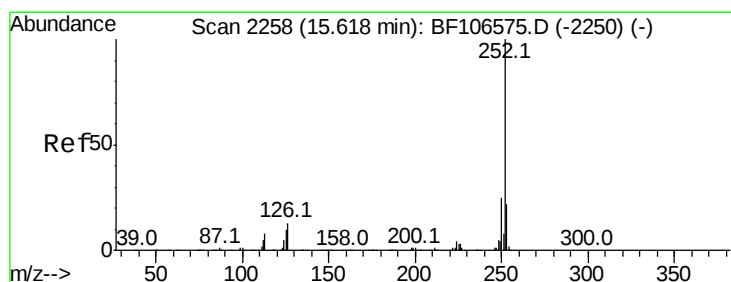
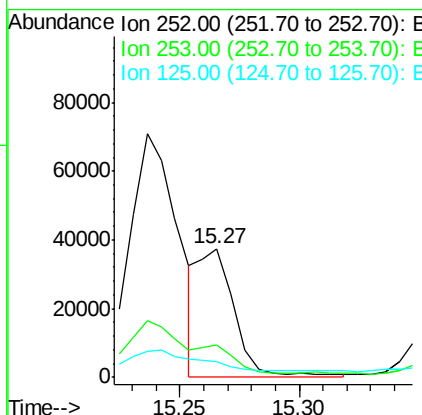
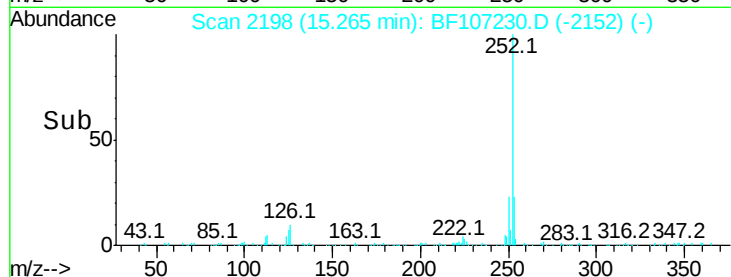
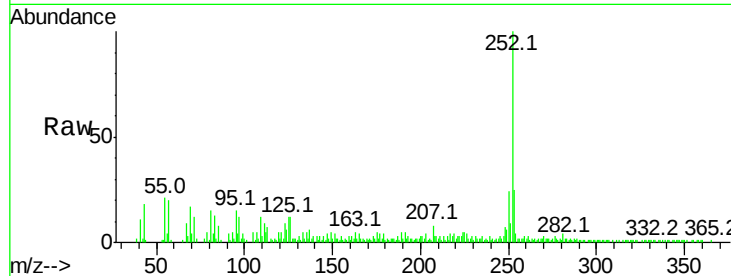
#88
Benzo(k)fluoranthene
Concen: 8.859 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	12.1	10.2	15.2

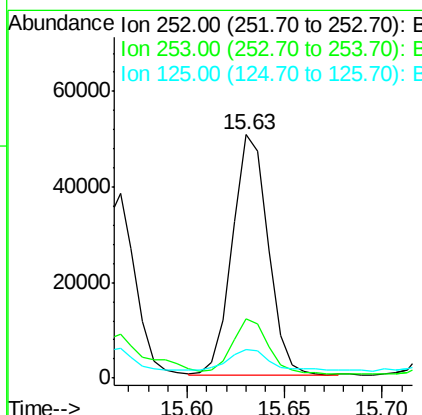
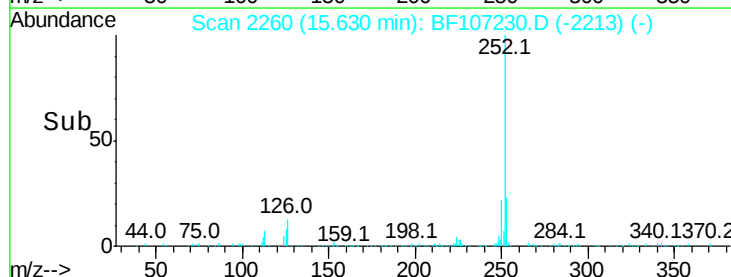
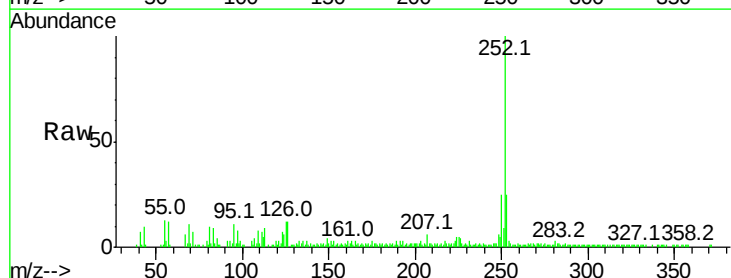
Manual Integrations
APPROVED

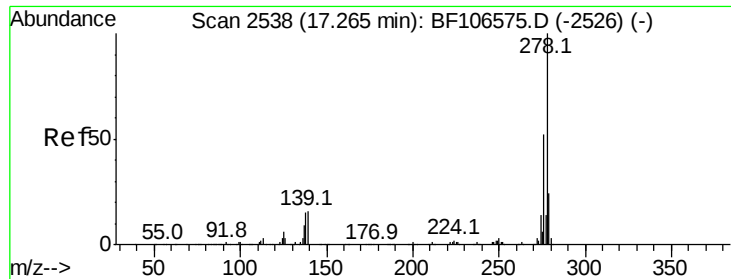
Sohil
7/10/2018 2:46:24 PM



#89
Benzo(a)pyrene
Concen: 15.294 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	11.8	9.8	14.6





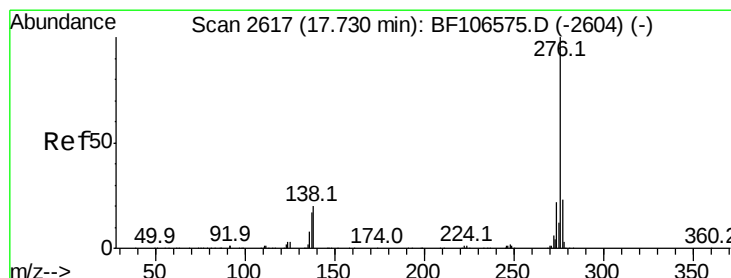
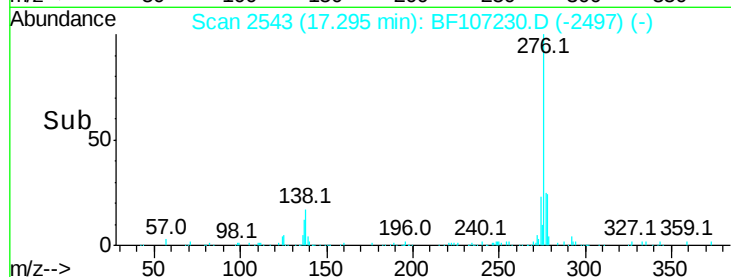
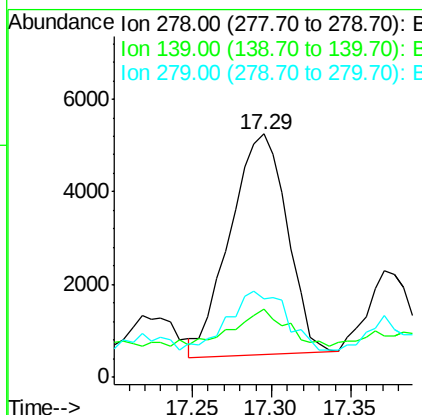
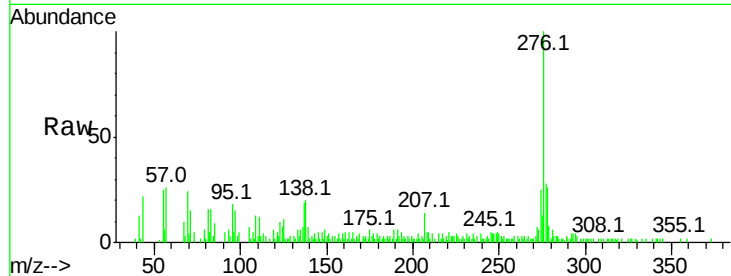
#90
Dibenzo(a,h)anthracene
Concen: 3.334 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	15.9	23.9#
279	32.5	19.0	28.4#

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 11.663 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF107230.D
Acq: 9 Jul 2018 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	21.6	21.8	32.8#

