

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
 Data File : BF107238.D
 Acq On : 9 Jul 2018 19:28
 Operator : JU/SJ
 Sample : J3879-09RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

Quant Time: Jul 10 01:08:44 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	46238	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	167923	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	77511	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	144359	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	108428	20.00	ng	-0.01
86) Perylene-d12	15.69	264	79640	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	289410	105.99	ng	0.00
7) Phenol-d6	6.60	99	357692	104.89	ng	-0.01
23) Nitrobenzene-d5	7.51	82	220254	72.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	100579	111.96	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	386056	84.16	ng	-0.02
78) Terphenyl-d14	13.08	244	428824	95.80	ng	0.00

Target Compounds

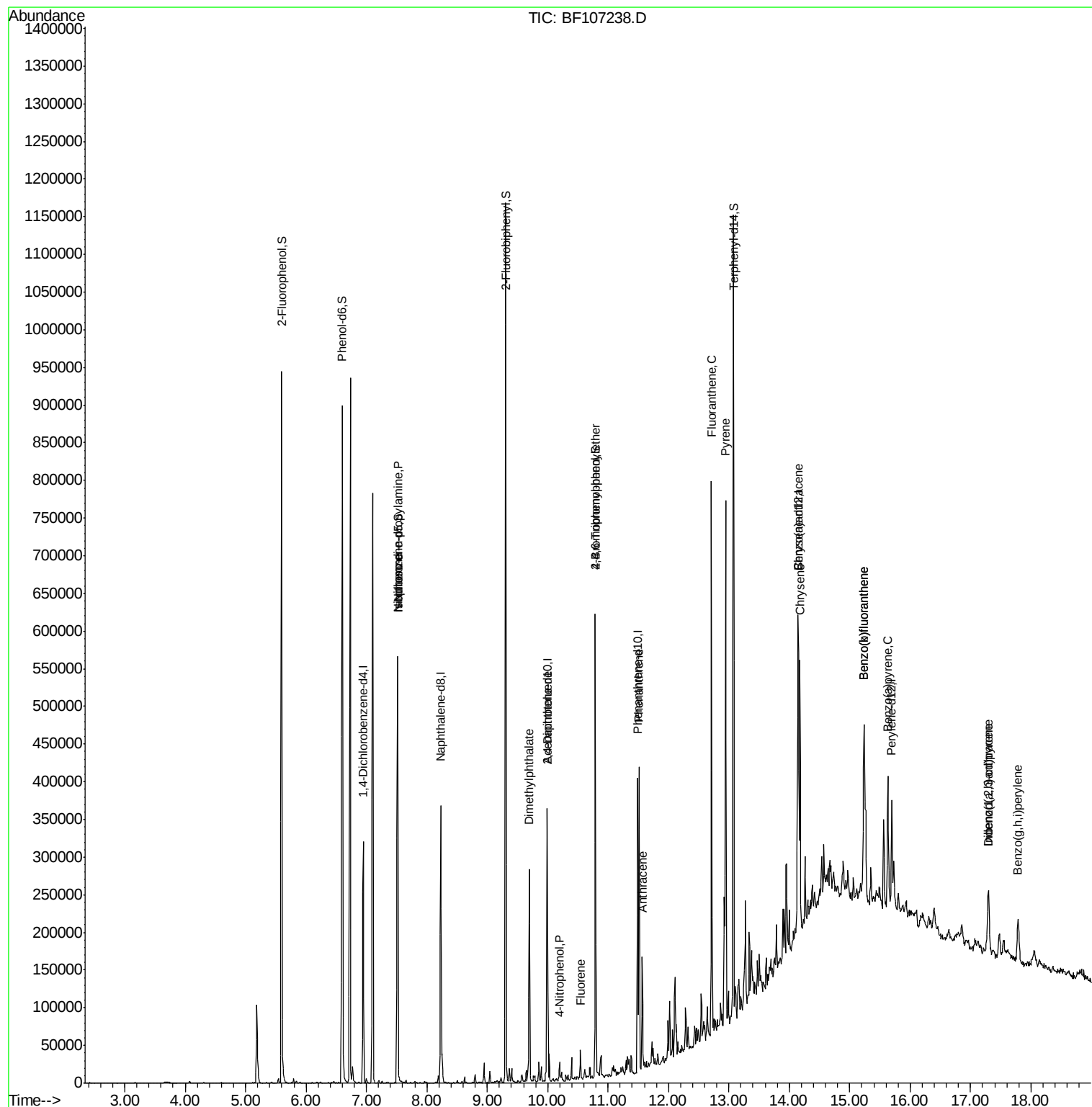
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	28531	12.693	ng	# 72
25) Isophorone	7.51	82	220252	41.365	ng	# 64
49) Dimethylphthalate	9.70	163	111089	19.109	ng	98
55) 4-Nitrophenol	10.20	139	3844	3.888	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	10372	6.455	ng	# 21
57) Fluorene	10.54	166	11441	2.178	ng	# 96
66) 4-Bromophenyl-phenylether	10.80	248	5976	3.469	ng	# 1
70) Phenanthrene	11.51	178	153228	22.007	ng	98
71) Anthracene	11.57	178	54712	7.698	ng	99
74) Fluoranthene	12.72	202	340262	44.338	ng	94
77) Pyrene	12.95	202	305625	42.744	ng	99
80) Benzo(a)anthracene	14.14	228	167089	25.284	ng	99
82) Chrysene	14.18	228	136951	22.526	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	57633	11.171	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	195568	39.531	ng	96
88) Benzo(k)fluoranthene	15.24	252	195568	41.511	ng	# 96
89) Benzo(a)pyrene	15.63	252	98585	22.416	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	15632	4.194	ng	# 88
91) Benzo(g,h,i)perylene	17.79	276	56069	15.391	ng	# 86

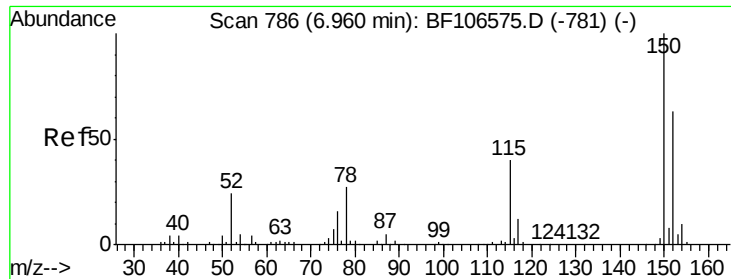
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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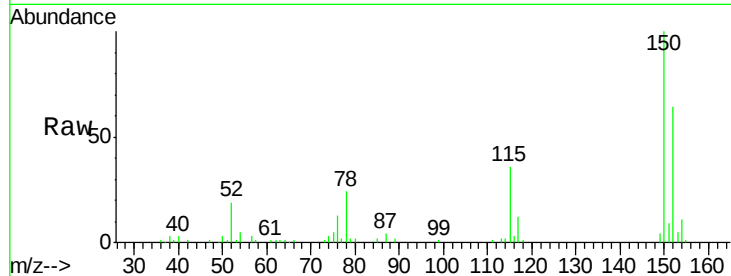


#1

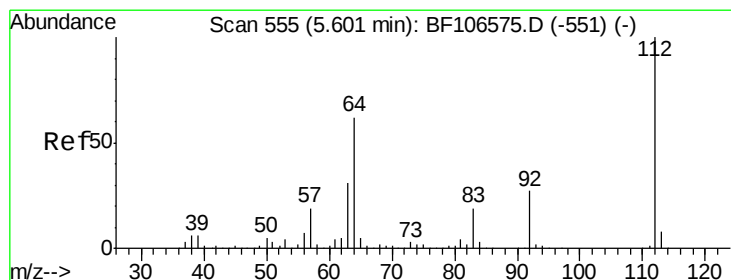
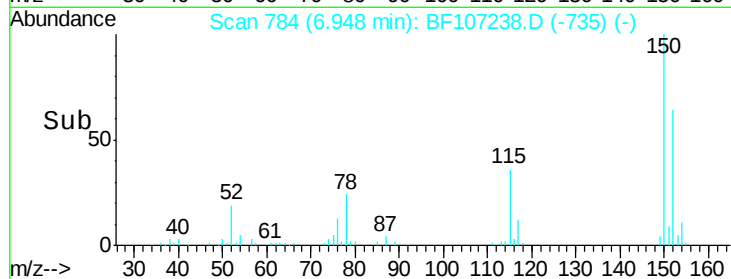
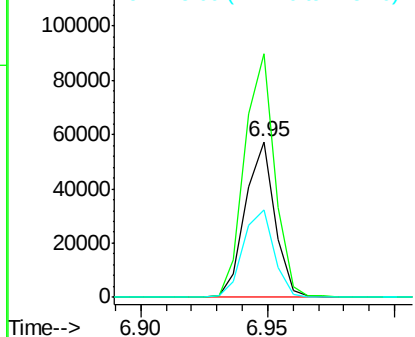
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tgt Ion:152 Resp: 46238
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 56.7 50.1 75.1



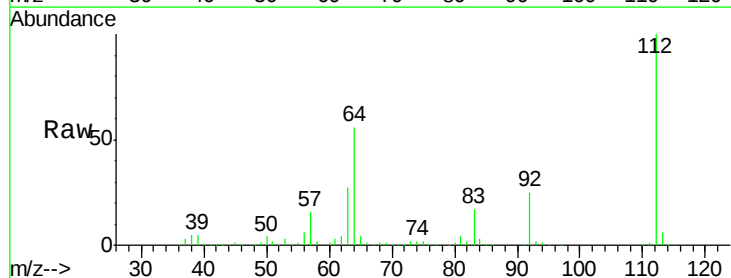
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



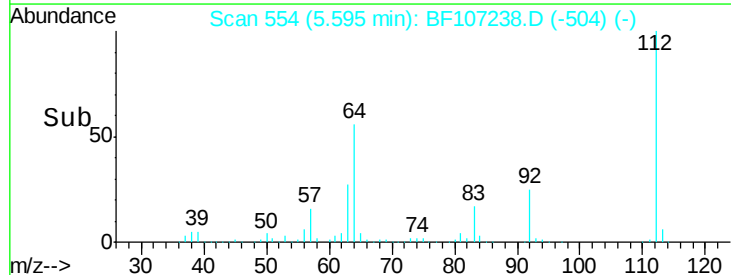
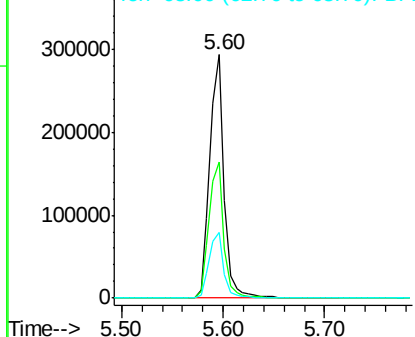
#5

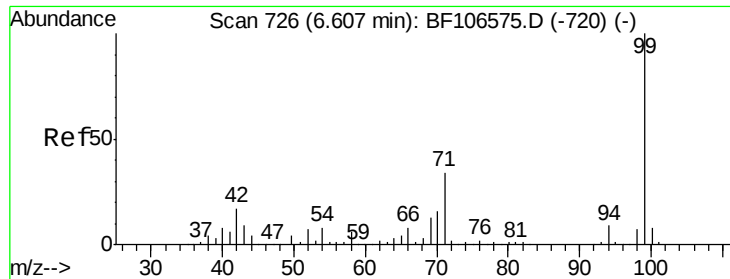
2-Fluorophenol
Concen: 105.987 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:112 Resp: 289410
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 26.9 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: 104.895 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-5RE

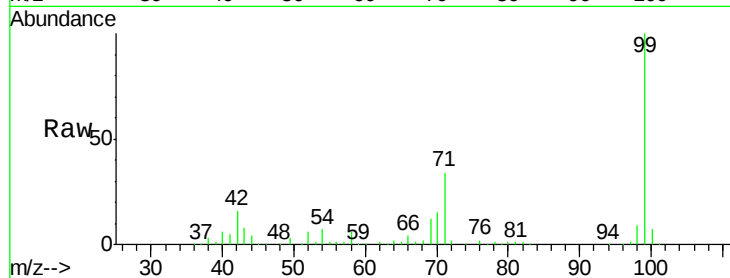
Tgt Ion: 99 Resp: 357692

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

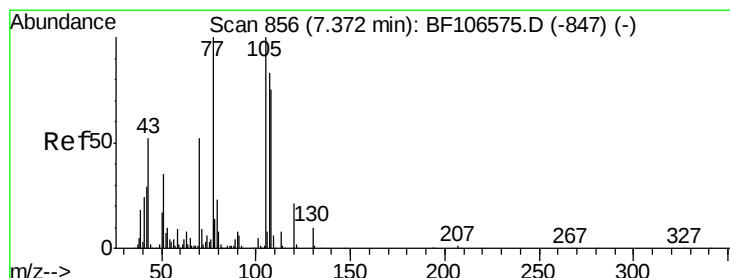
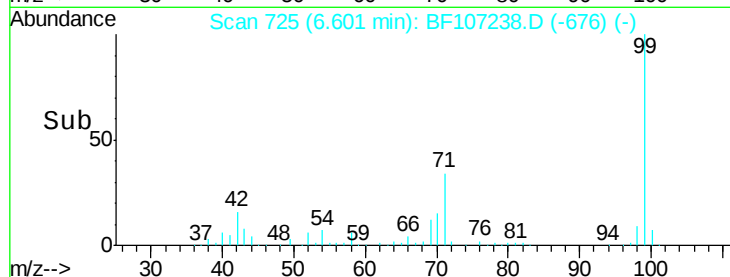
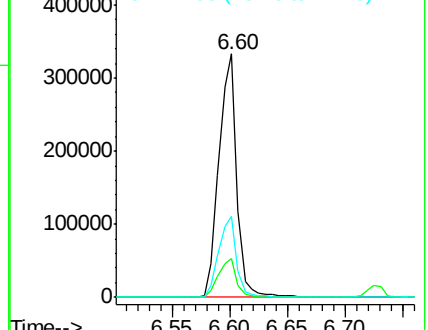
71 33.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.693 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Tgt Ion: 70 Resp: 28531

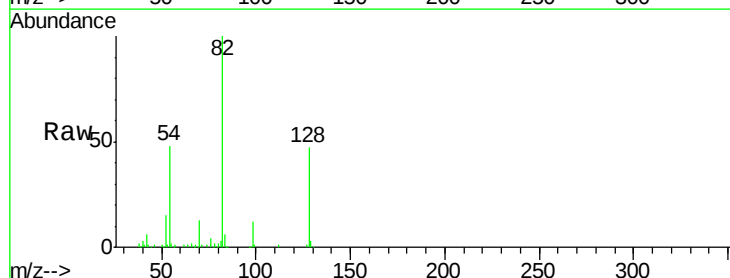
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

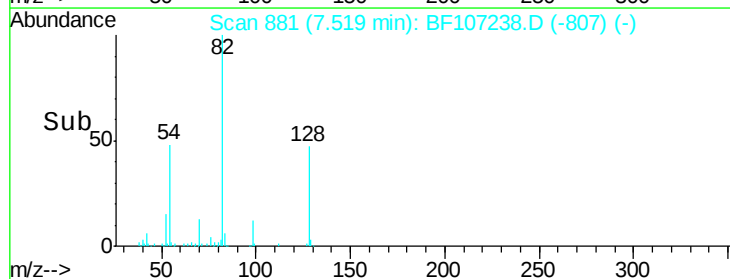
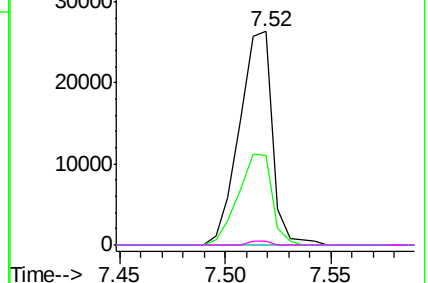


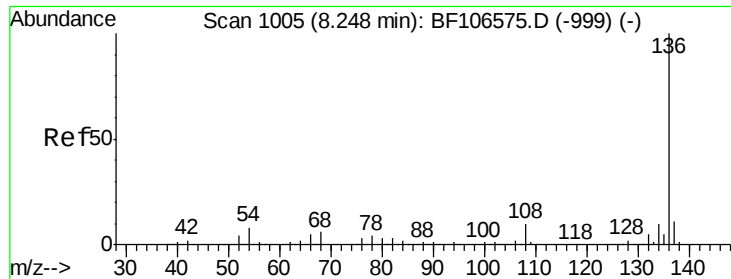
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

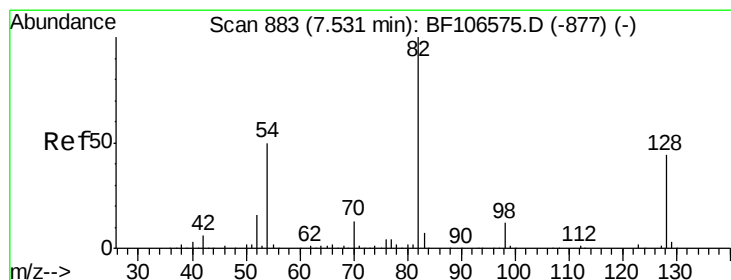
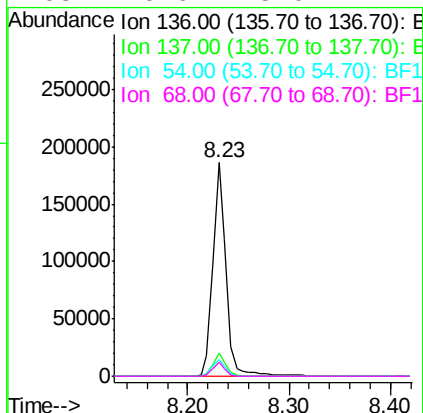
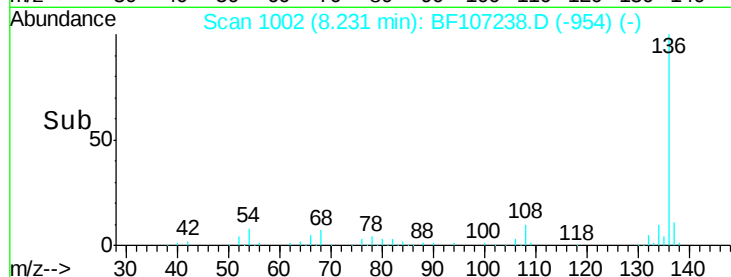
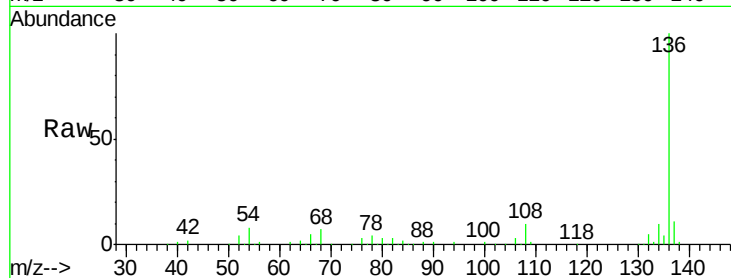




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

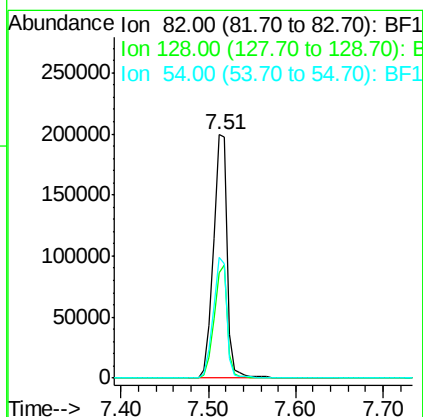
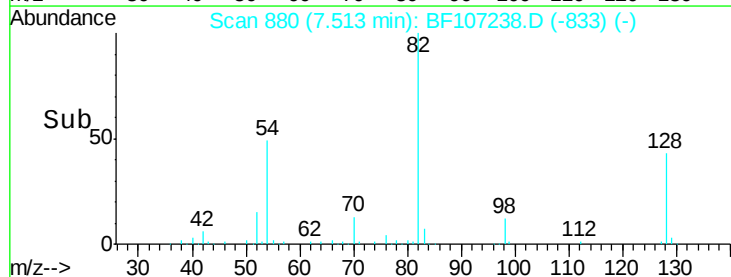
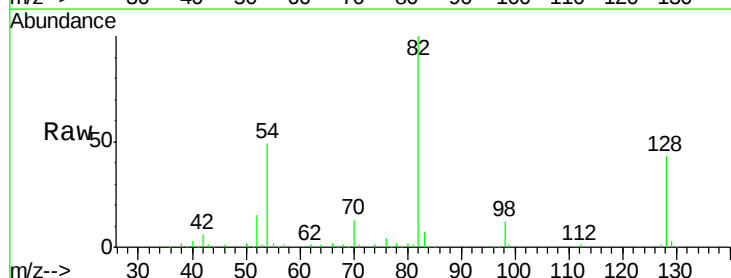
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

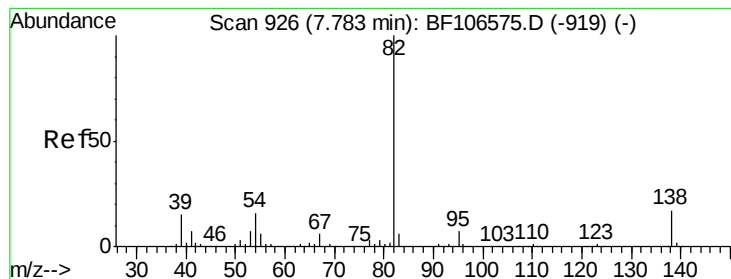
Tgt Ion: 136 Resp: 167923
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.8 6.6 9.8
68 6.6 5.0 7.4



#23
Nitrobenzene-d5
Concen: 72.892 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion: 82 Resp: 220254
Ion Ratio Lower Upper
82 100
128 43.4 36.1 54.1
54 49.5 41.4 62.2





#25

Isophorone

Concen: 41.365 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-5RE

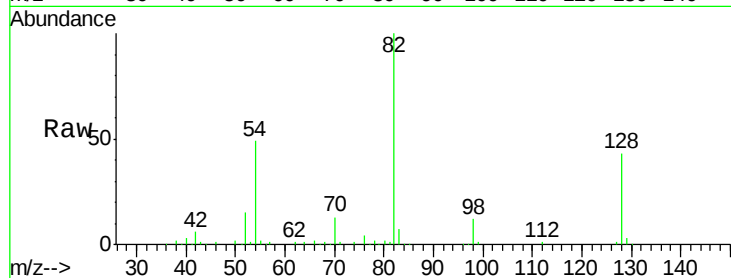
Tgt Ion: 82 Resp: 220252

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

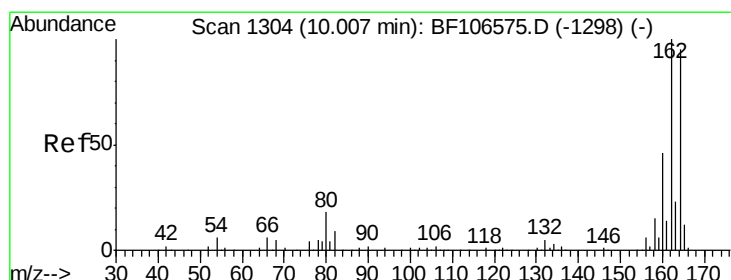
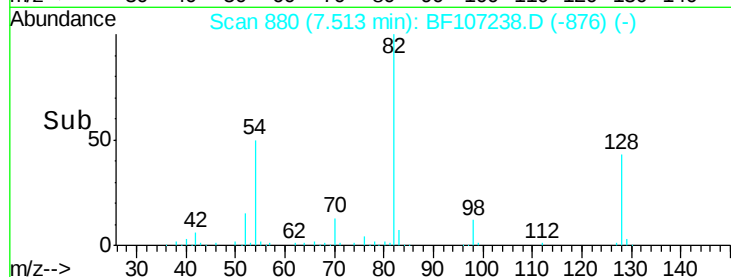
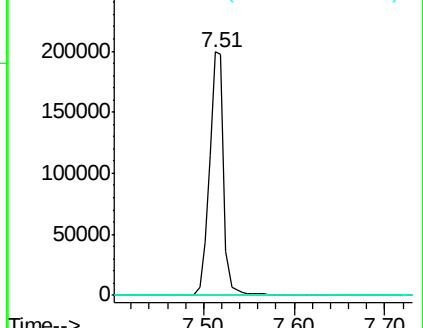
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

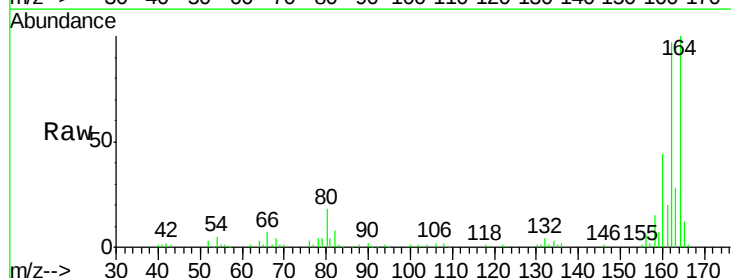
Tgt Ion: 164 Resp: 77511

Ion Ratio Lower Upper

164 100

162 97.5 86.1 129.1

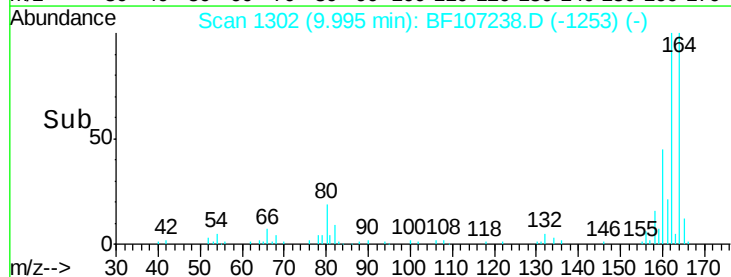
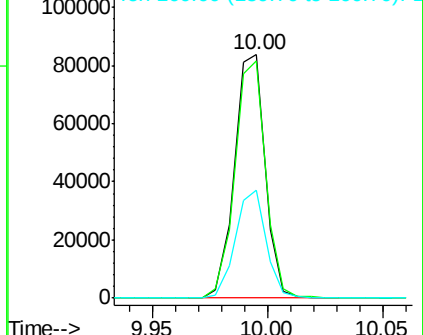
160 44.3 38.3 57.5

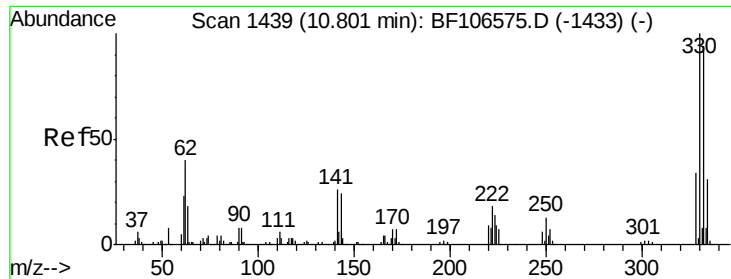


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 111.957 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

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SURCHARGE-SP-5RE

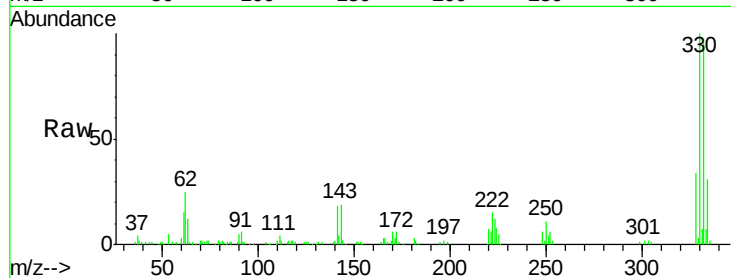
Tgt Ion:330 Resp: 100579

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

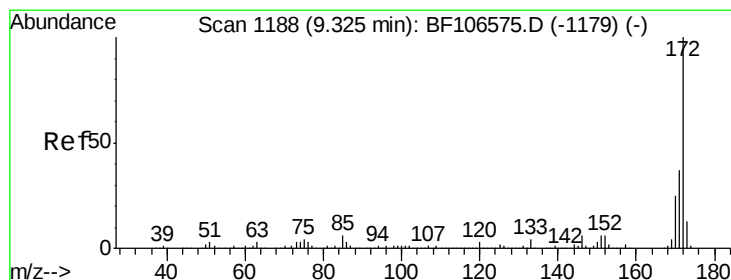
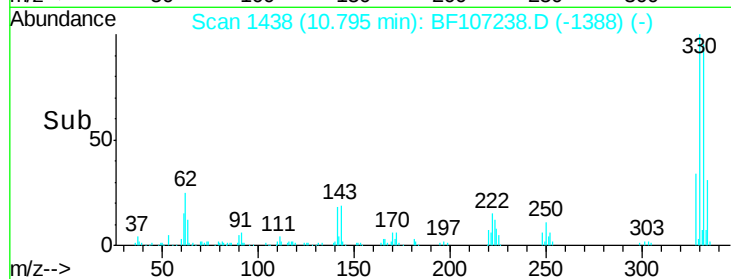
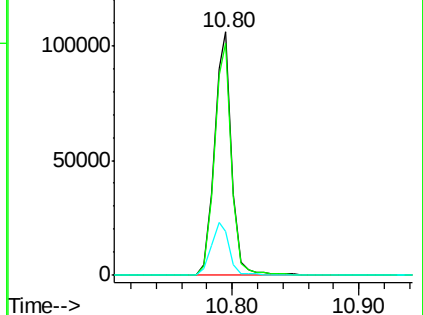
141 23.0 29.9 44.9#



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: 84.158 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

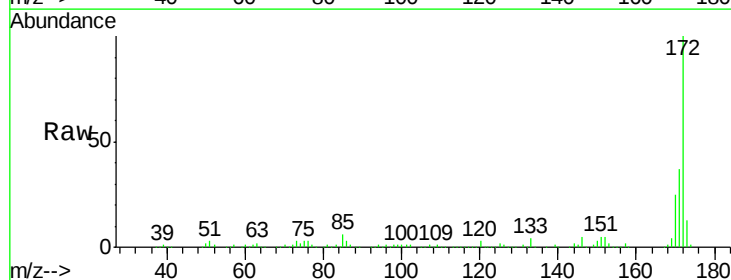
Tgt Ion:172 Resp: 386056

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

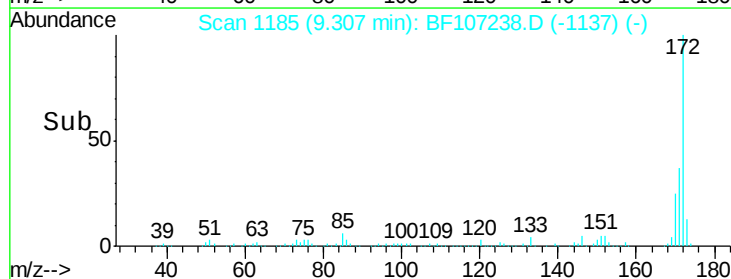
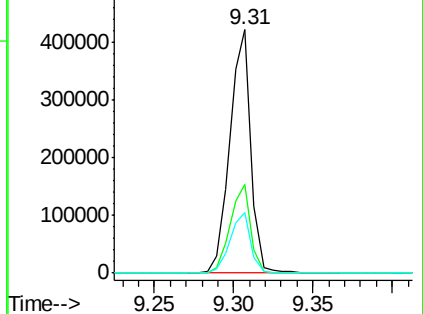
170 24.7 19.6 29.4

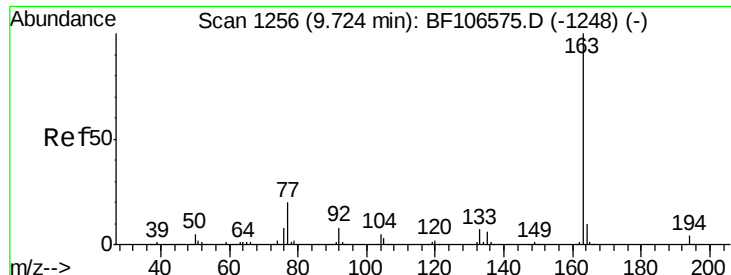


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

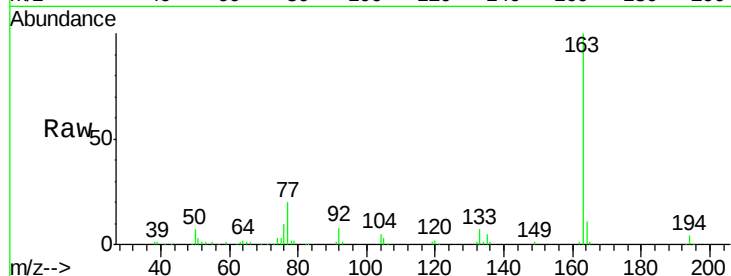




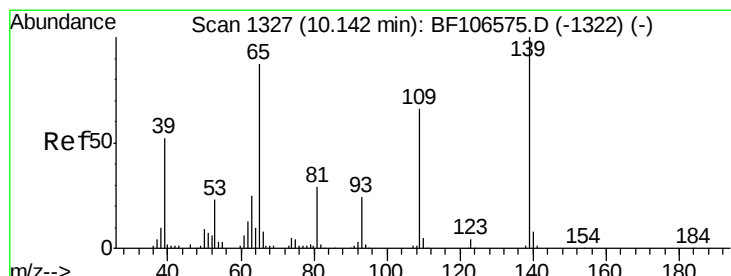
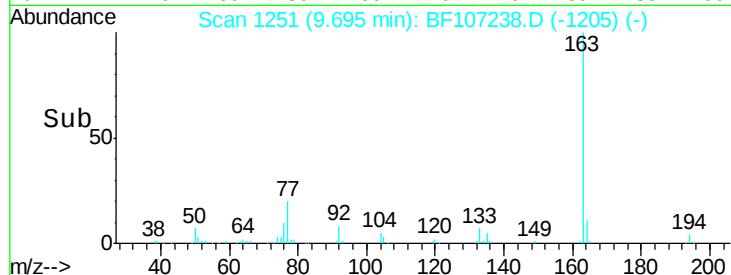
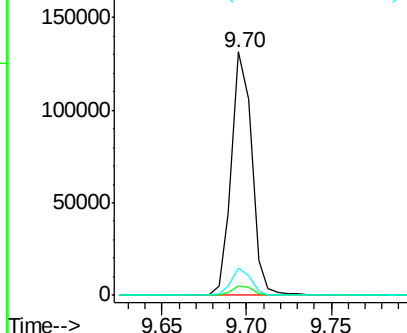
#49
Dimethylphthalate
Concen: 19.109 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
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ClientSampleId :
SURCHARGE-SP-5RE

Tgt Ion:163 Resp: 111089
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 11.0 8.2 12.2

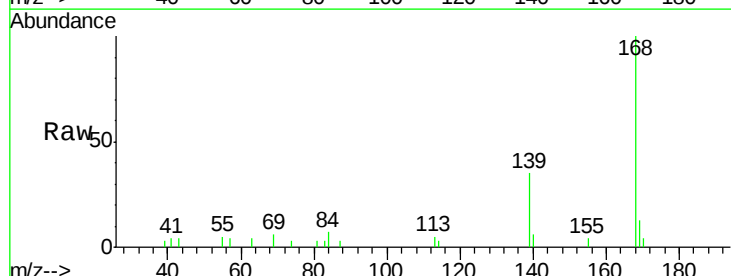


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

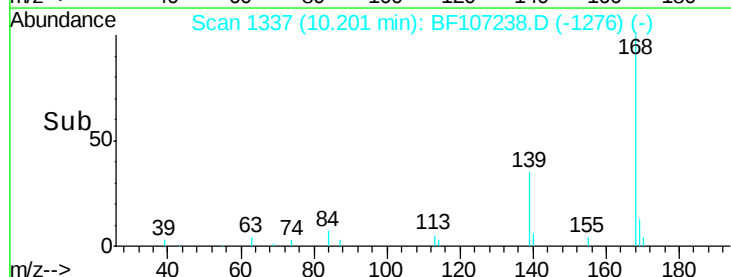
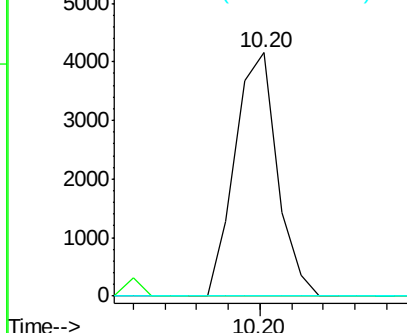


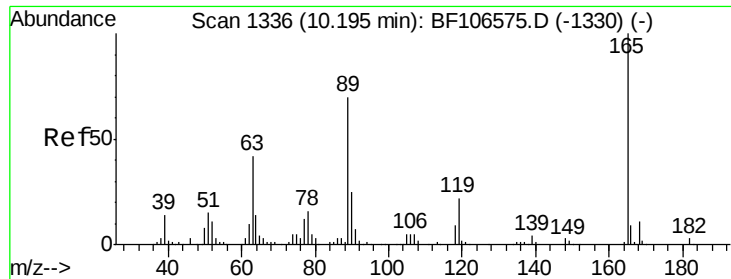
#55
4-Nitrophenol
Concen: 3.888 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:139 Resp: 3844
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

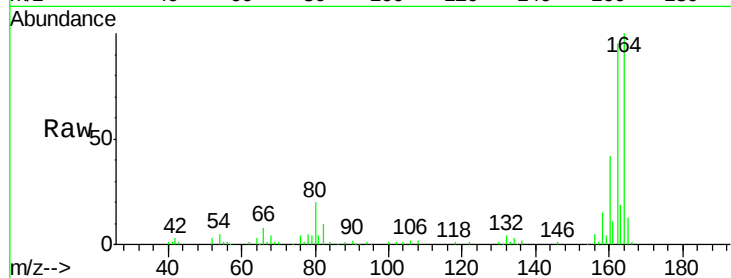




#56
2,4-Dinitrotoluene
Concen: 6.455 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

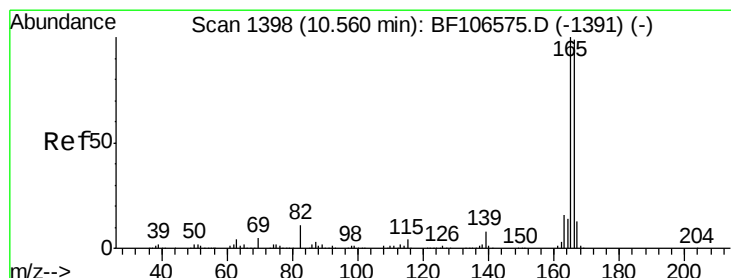
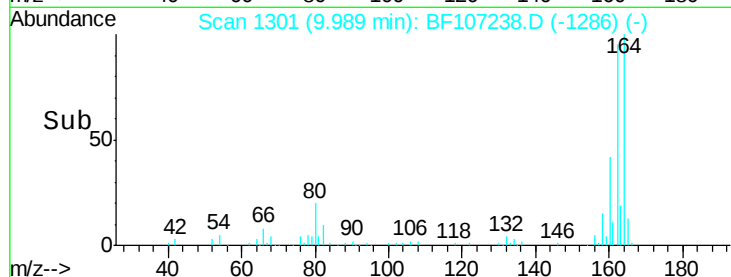
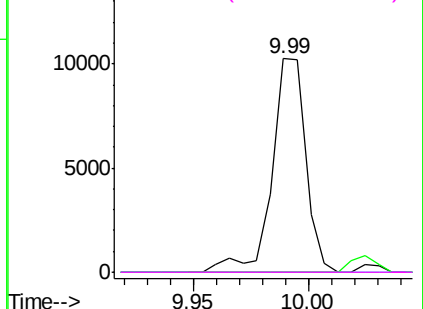


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

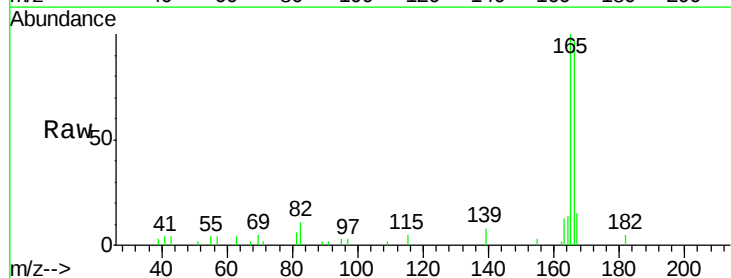
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 2.178 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

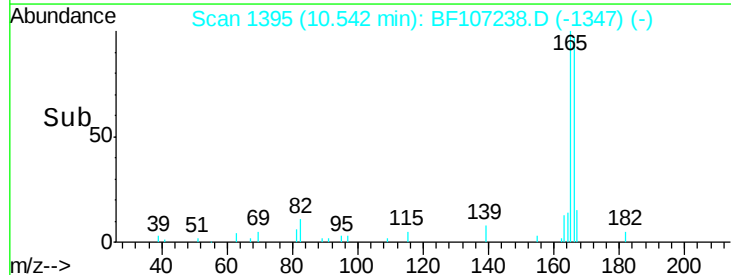
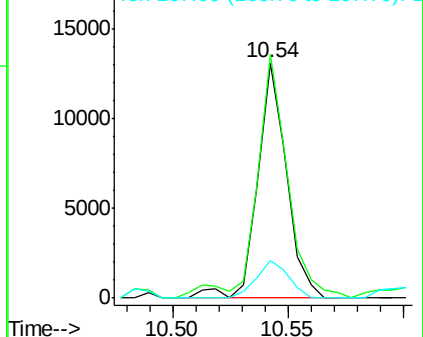
Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.6	79.8	119.8
167	16.0	10.6	16.0#

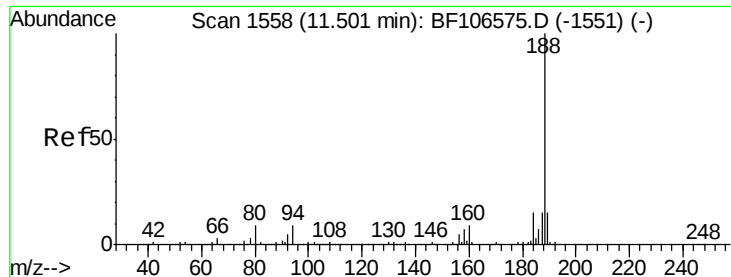


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

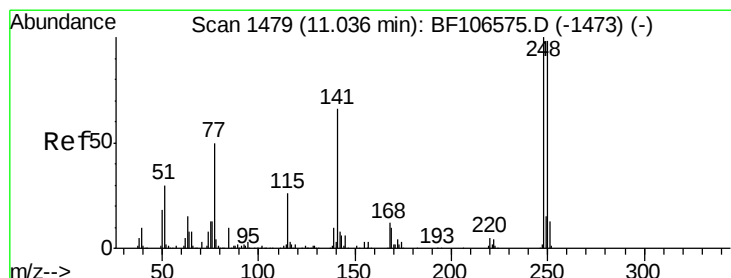
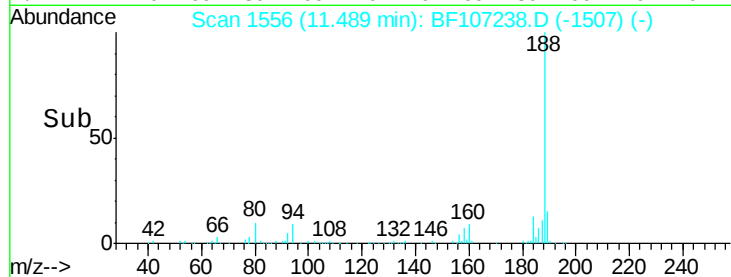
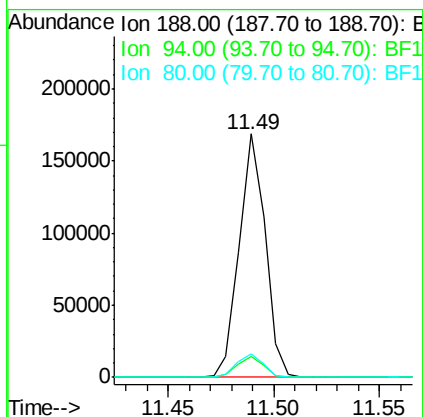
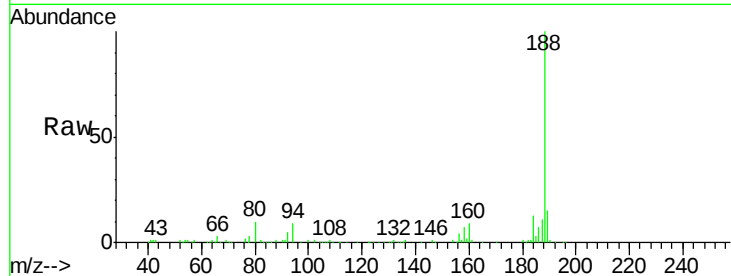




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

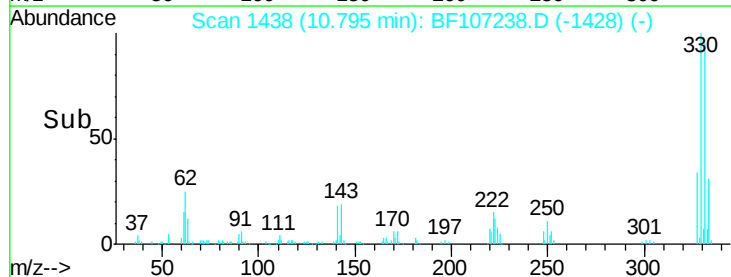
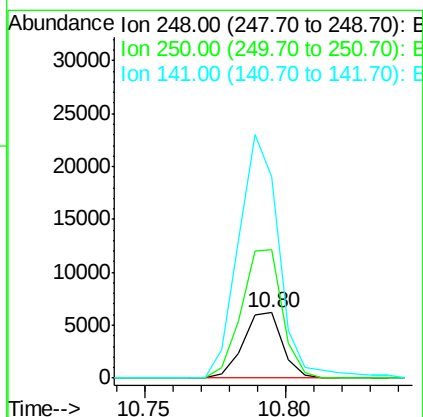
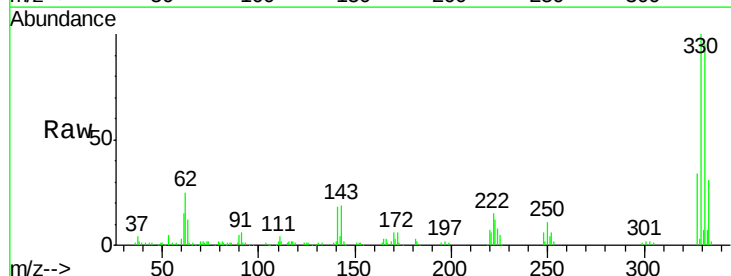
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

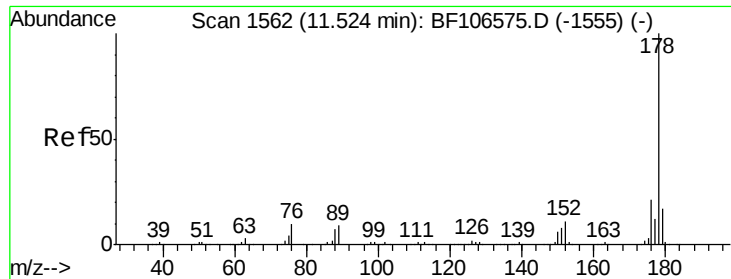
Tgt Ion:188 Resp: 144359
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.469 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:248 Resp: 5976
Ion Ratio Lower Upper
248 100
250 196.1 76.9 115.3#
141 308.8 74.4 111.6#

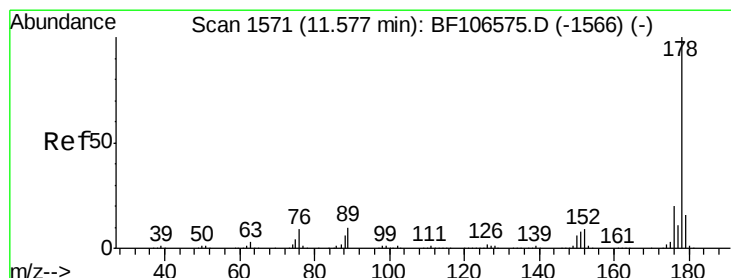
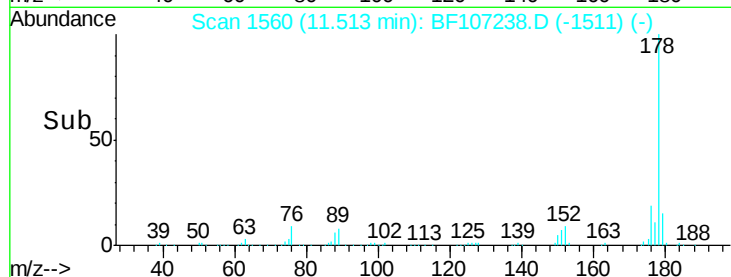
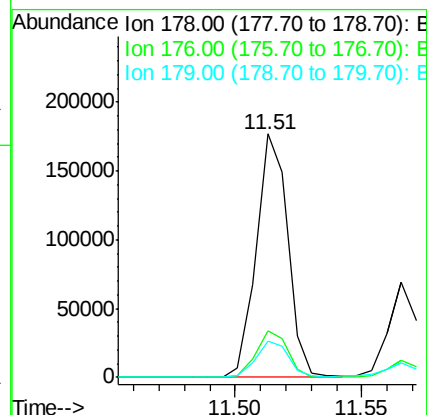
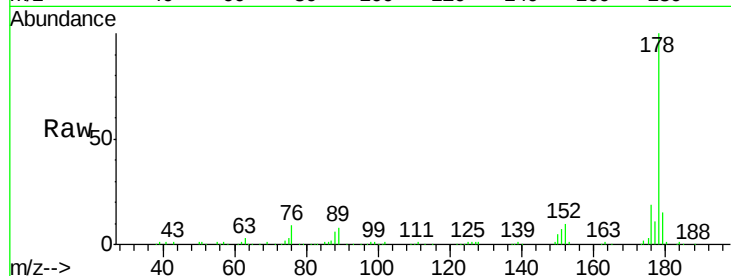




#70
Phenanthrene
Concen: 22.007 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

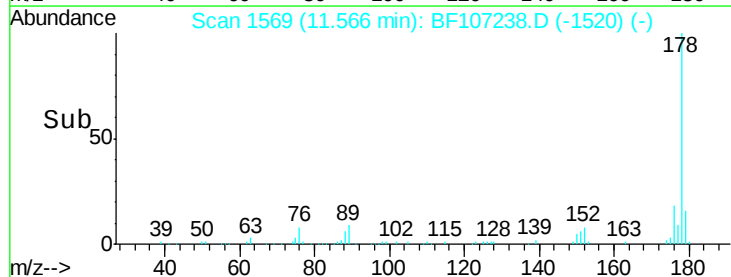
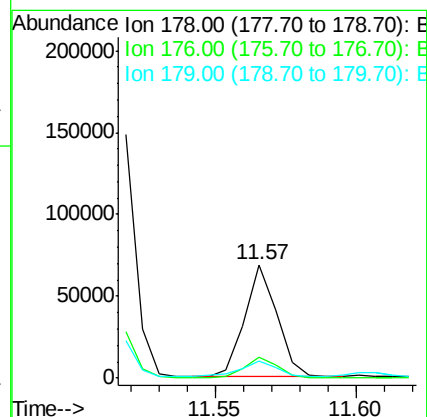
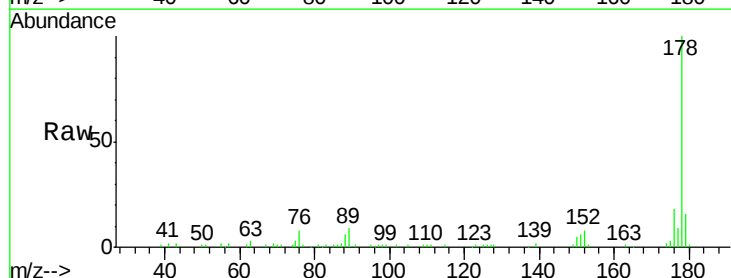
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

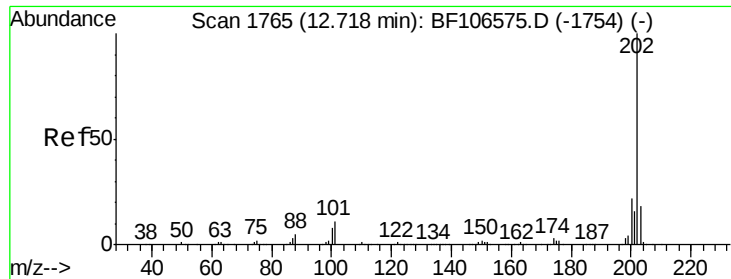
Tgt Ion:178 Resp: 153228
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 7.698 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:178 Resp: 54712
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.6 12.6 19.0





#74

Fluoranthene

Concen: 44.338 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-5RE

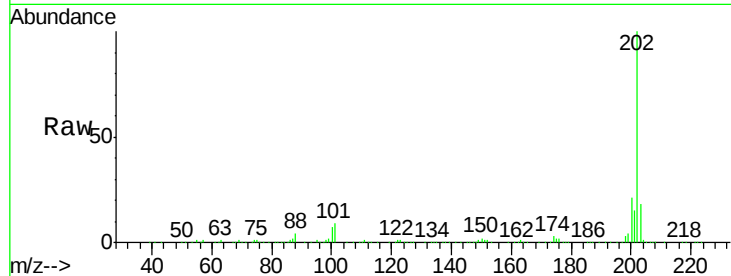
Tgt Ion: 202 Resp: 340262

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.1

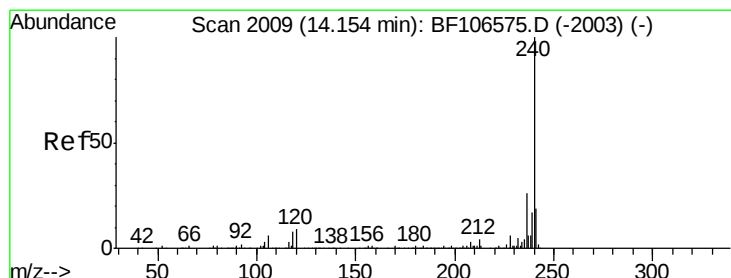
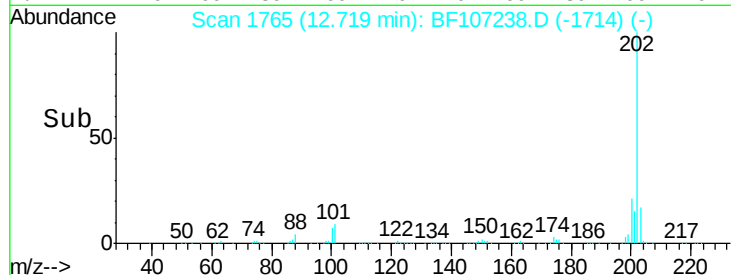
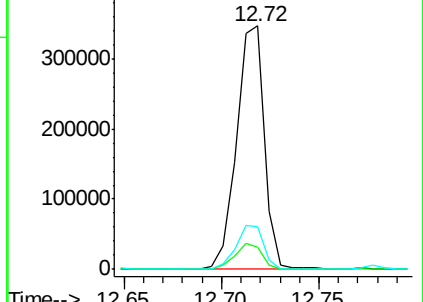
203 17.6 0.0 38.1



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# 2009

Delta R.T. -0.01 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

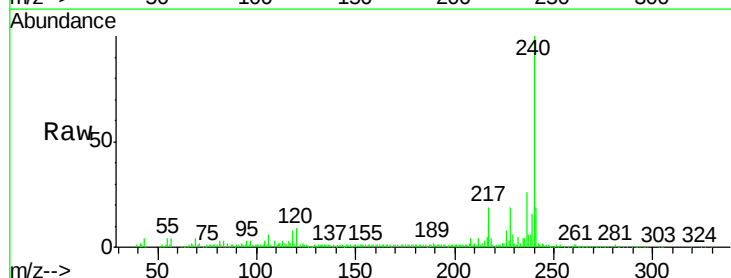
Tgt Ion: 240 Resp: 108428

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

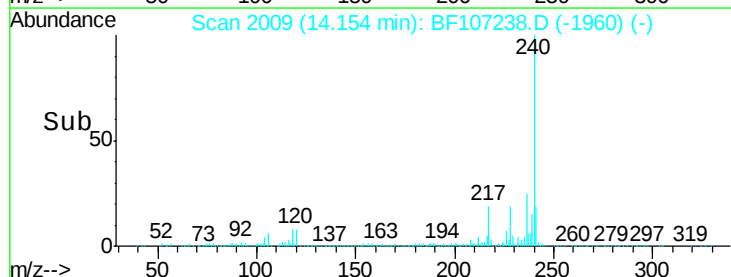
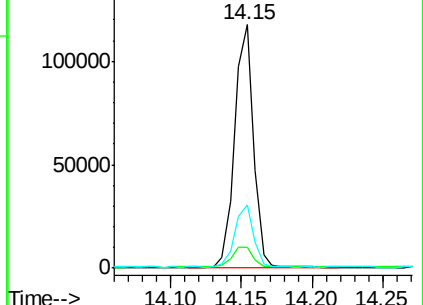
236 25.7 20.7 31.1

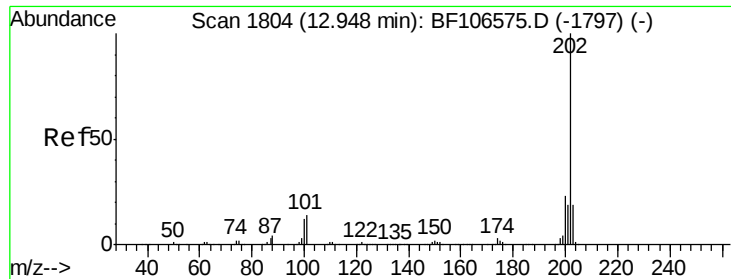


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

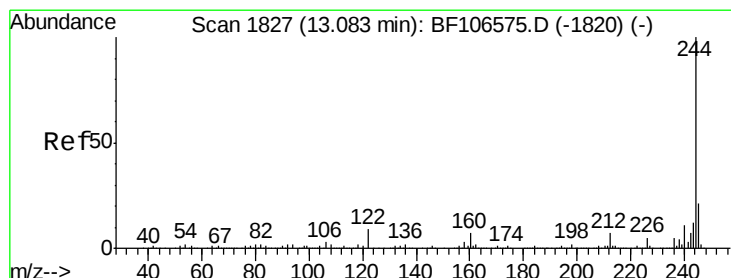
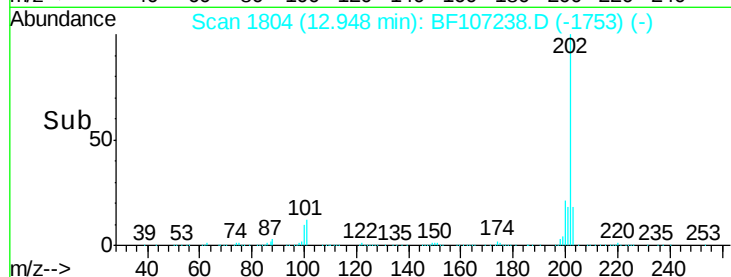
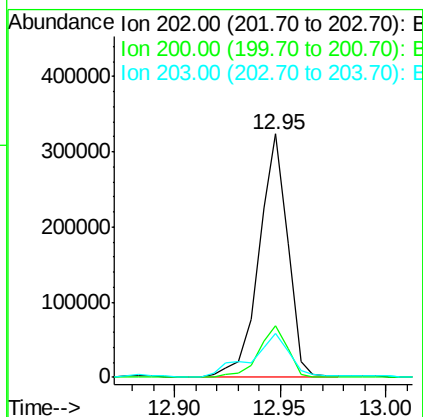
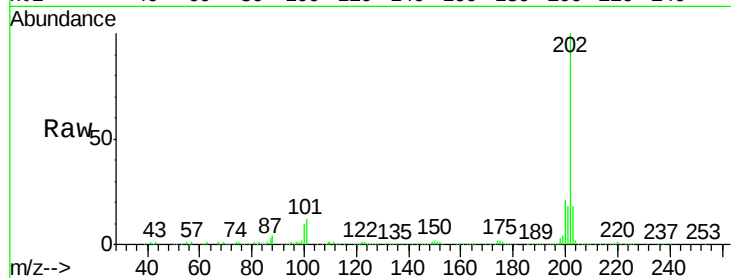




#77
 Pyrene
 Concen: 42.744 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

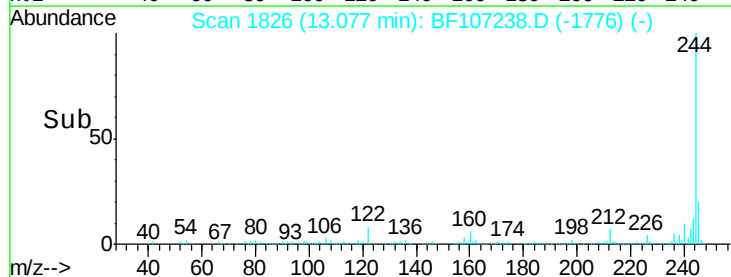
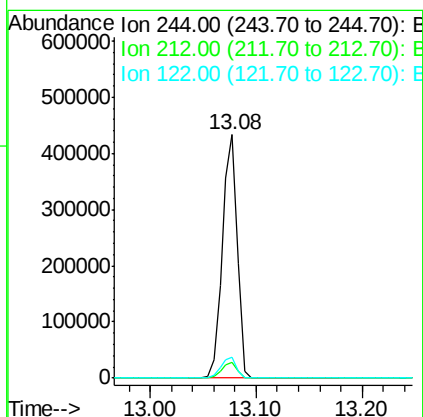
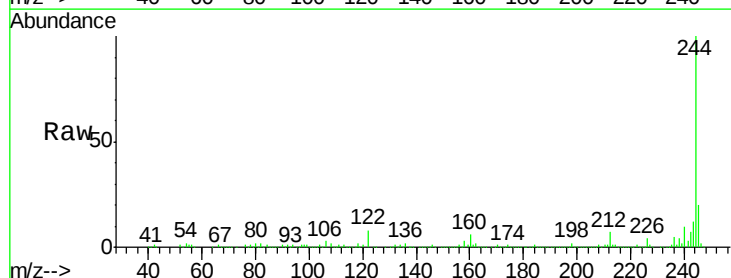
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

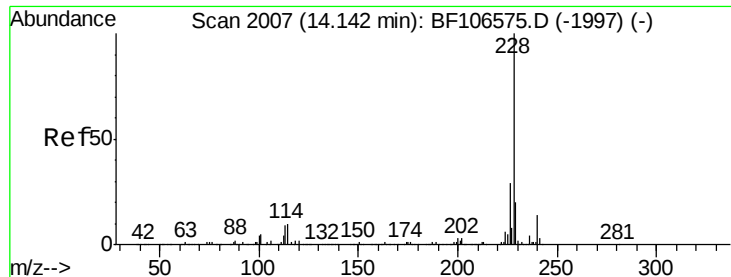
Tgt Ion: 202 Resp: 305625
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 18.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 95.800 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Tgt Ion: 244 Resp: 428824
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.4 11.0 16.4#

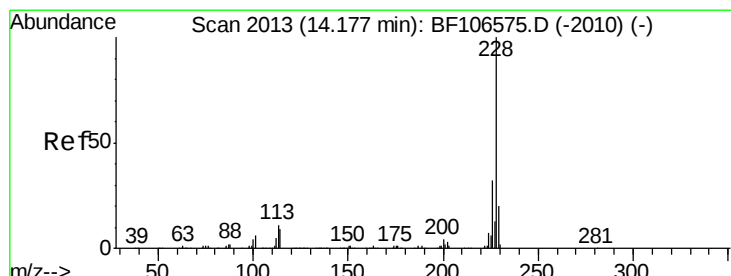
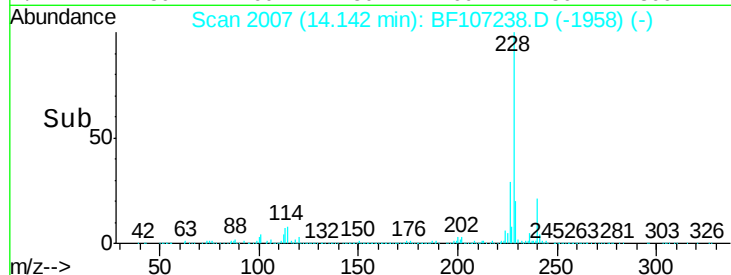
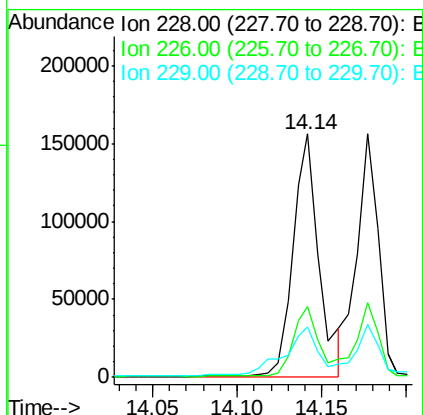
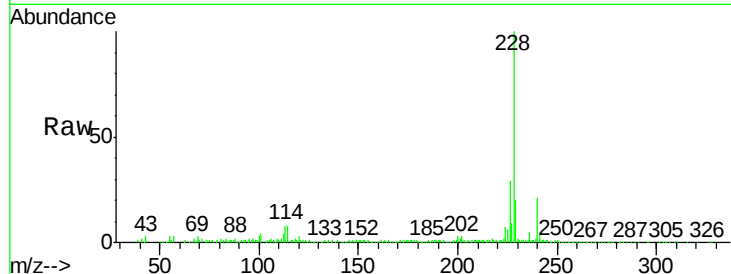




#80
Benzo(a)anthracene
Concen: 25.284 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

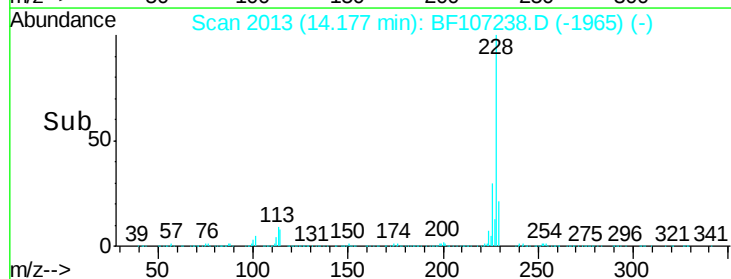
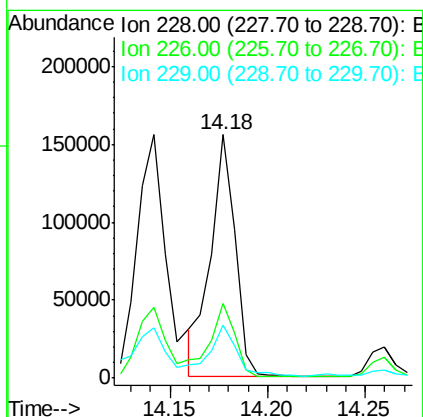
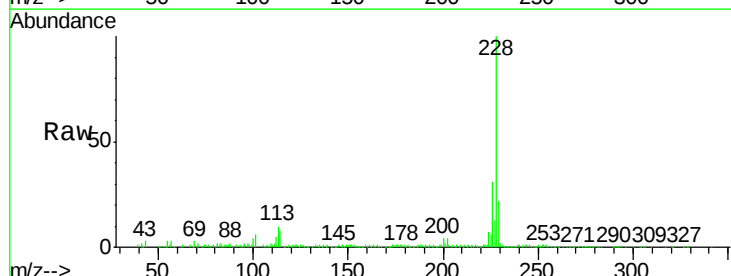
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

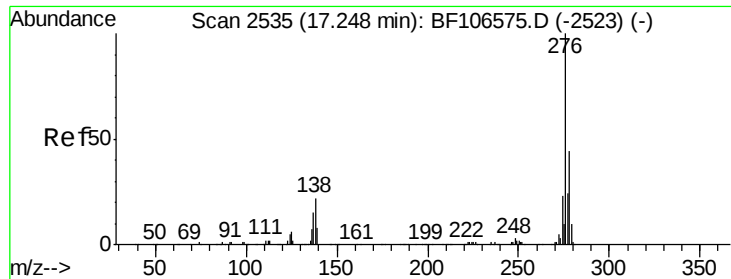
Tgt Ion:228 Resp: 167089
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 22.526 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:228 Resp: 136951
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.8 16.2 24.4

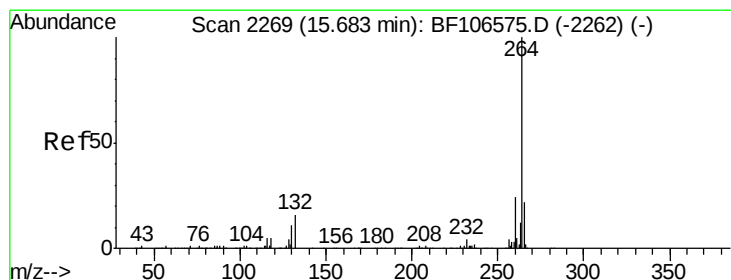
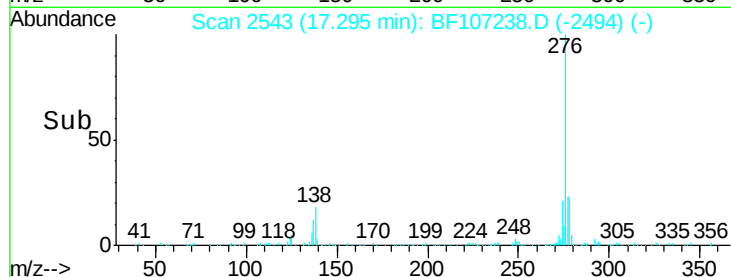
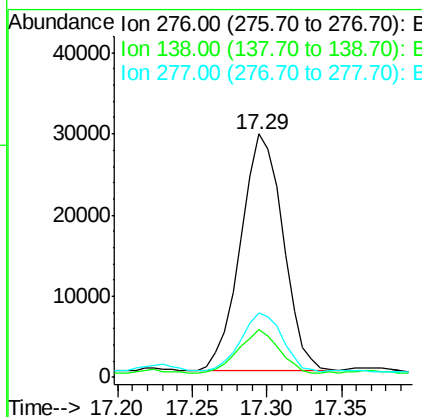
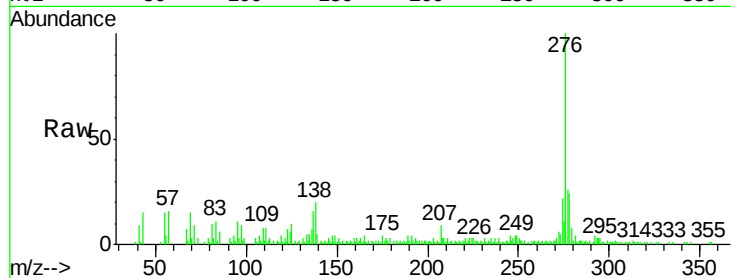




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.171 ng
 RT: 17.29 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

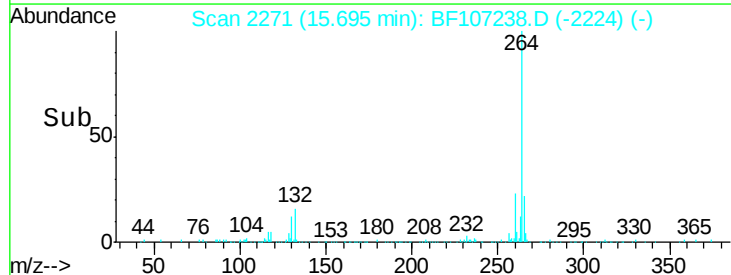
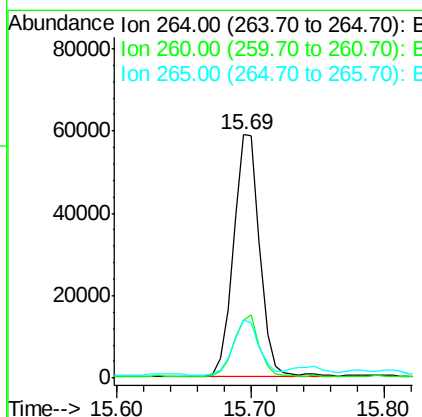
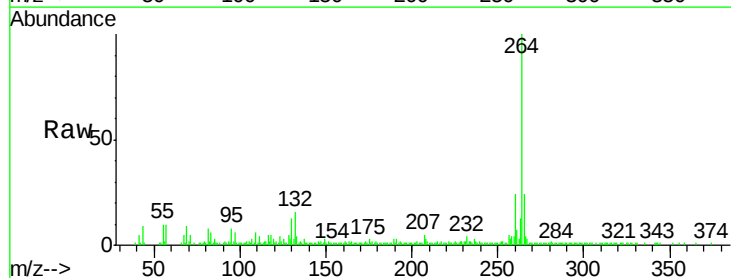
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-5RE

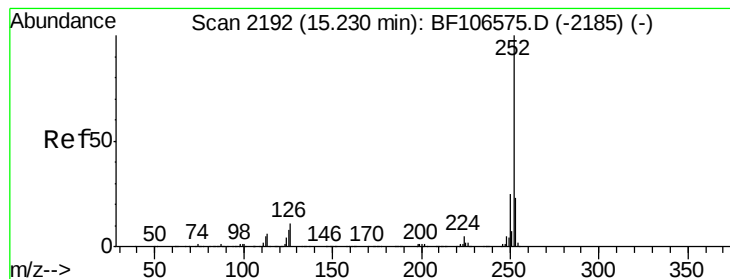
Tgt Ion:276 Resp: 57633
 Ion Ratio Lower Upper
 276 100
 138 17.7 25.0 37.6#
 277 24.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107238.D
 Acq: 9 Jul 2018 19:28

Tgt Ion:264 Resp: 79640
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 23.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 39.531 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-5RE

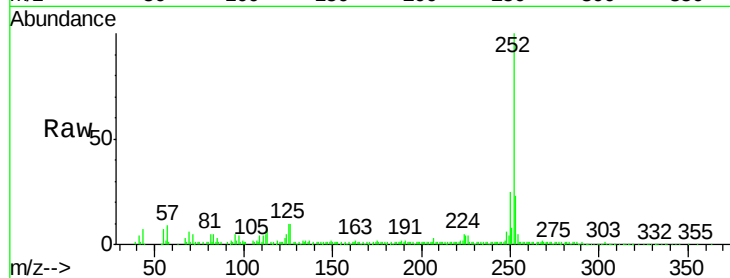
Tgt Ion:252 Resp: 195568

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

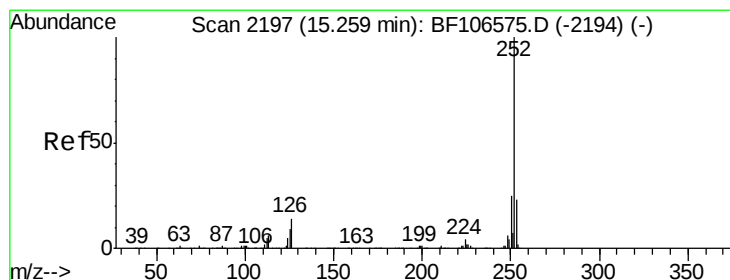
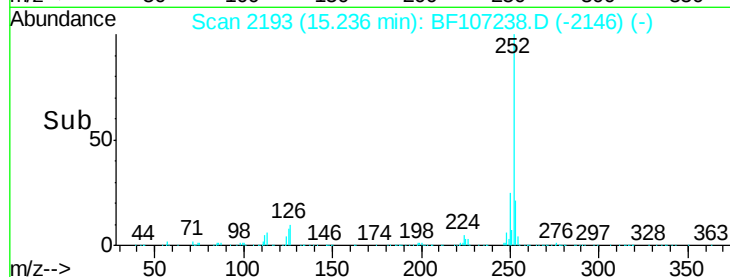
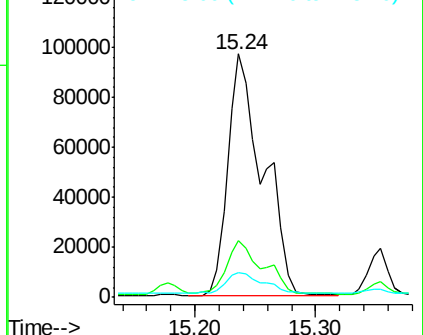
125 10.0 9.0 13.6



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: 41.511 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.06 min

Lab File: BF107238.D

Acq: 9 Jul 2018 19:28

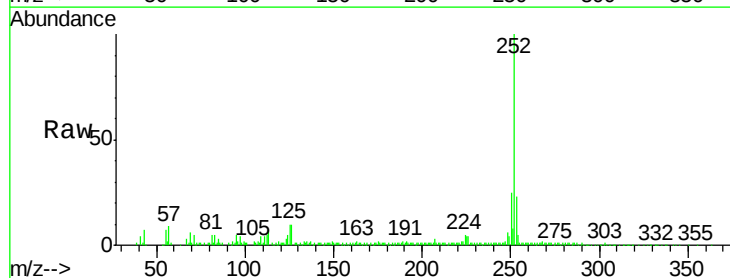
Tgt Ion:252 Resp: 195568

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

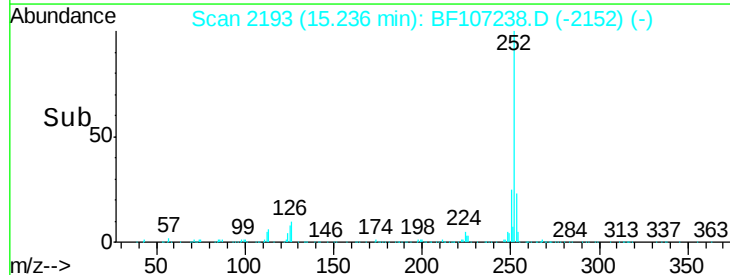
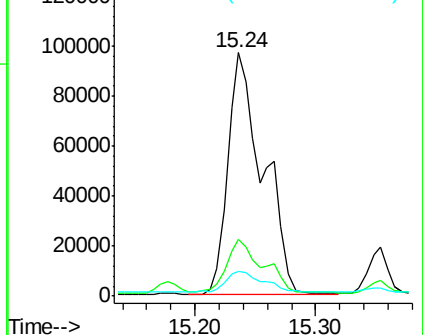
125 10.0 10.2 15.2#

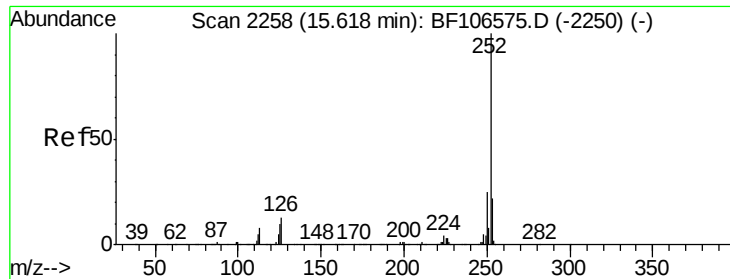


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

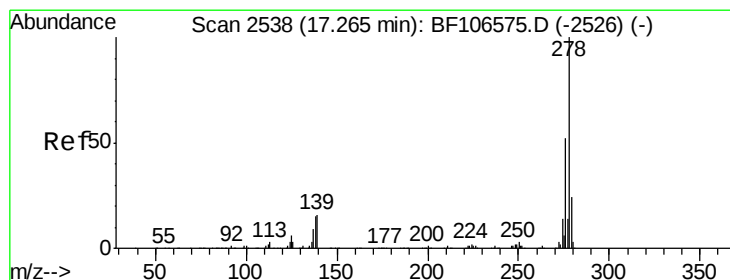
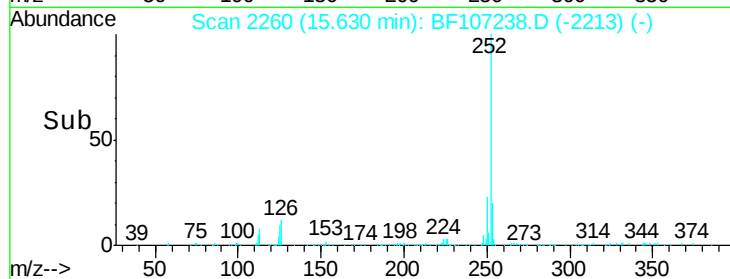
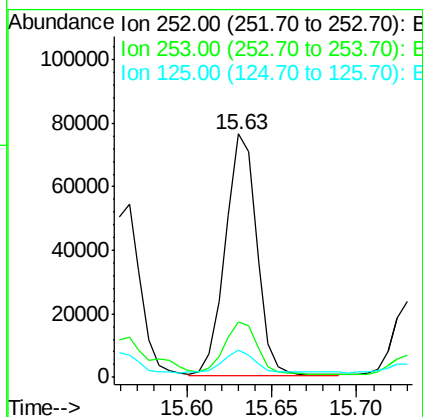
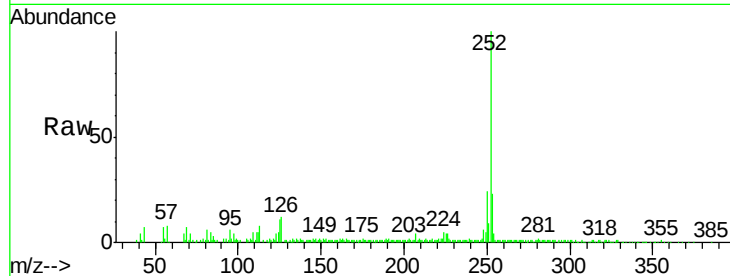




#89
Benzo(a)pyrene
Concen: 22.416 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

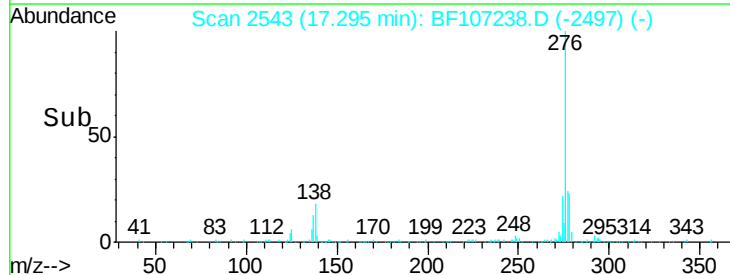
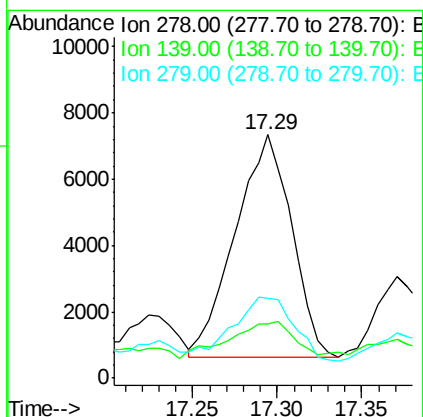
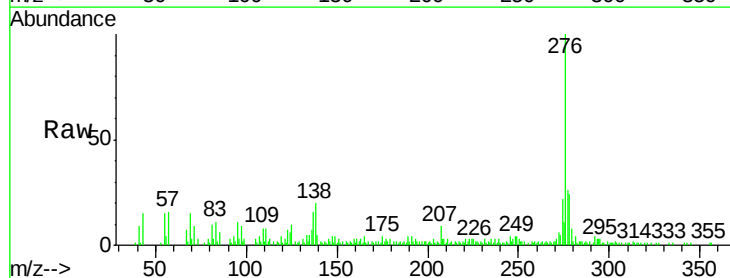
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-5RE

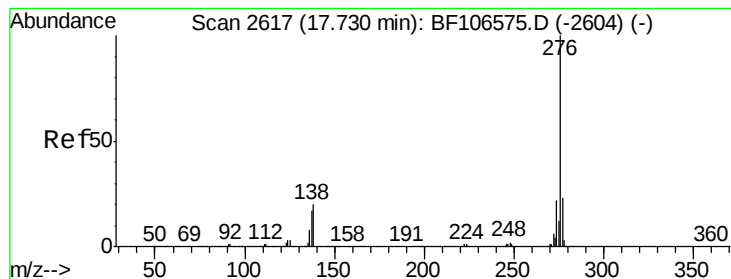
Tgt Ion:252 Resp: 98585
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 11.3 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.194 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107238.D
Acq: 9 Jul 2018 19:28

Tgt Ion:278 Resp: 15632
Ion Ratio Lower Upper
278 100
139 22.1 15.9 23.9
279 32.9 19.0 28.4#





#91

Benzo(g,h,i)perylene

Concen: 15.391 ng

RT: 17.79 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BF107238.D

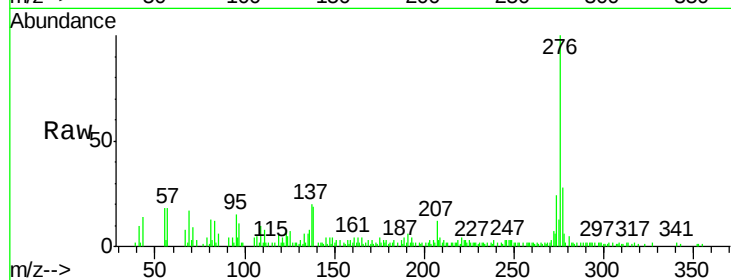
Acq: 9 Jul 2018 19:28

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-5RE



Tgt Ion:276 Resp: 56069

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 18.7 21.8 32.8#

