

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070718\
 Data File : BF107215.D
 Acq On : 7 Jul 2018 19:05
 Operator : JU/SJ
 Sample : J3880-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14

Quant Time: Jul 09 02:17:11 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	48316	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	178320	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	84014	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	156755	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	115137	20.00	ng	-0.02
86) Perylene-d12	15.68	264	85921	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	309735	108.55	ng	0.00
7) Phenol-d6	6.60	99	380290	106.73	ng	-0.01
23) Nitrobenzene-d5	7.51	82	220370	68.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	106236	109.10	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	423546	85.40	ng	-0.02
78) Terphenyl-d14	13.07	244	465895	98.02	ng	-0.01

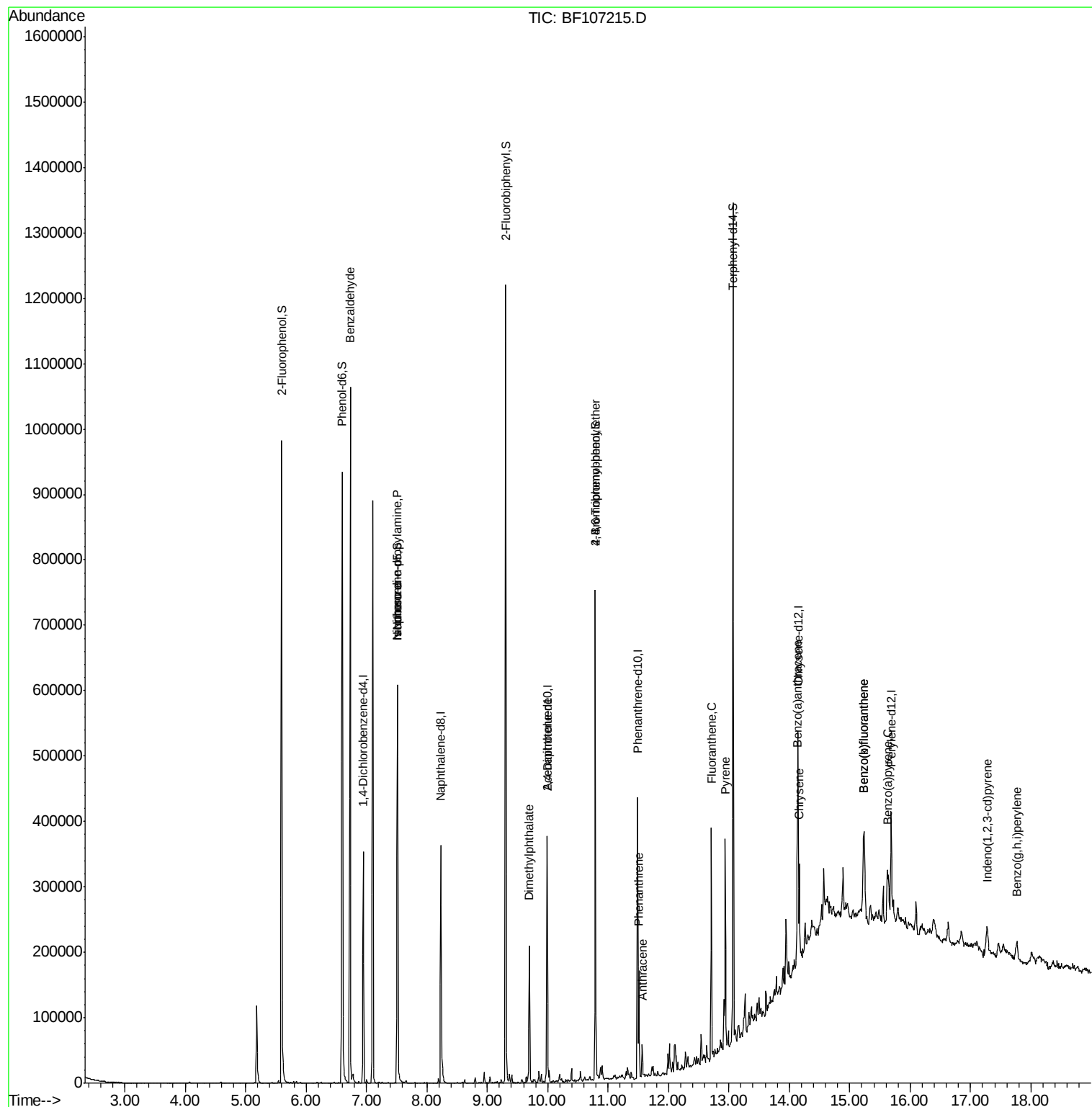
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	6504	2.174	ng	88
19) n-Nitroso-di-n-propylamine	7.51	70	28116	11.970	ng	# 75
25) Isophorone	7.51	82	220368	38.974	ng	# 64
49) Dimethylphthalate	9.70	163	89796	14.251	ng	98
56) 2,4-Dinitrotoluene	9.99	165	10915	6.267	ng	# 21
66) 4-Bromophenyl-phenylether	10.79	248	6350	3.394	ng	# 1
70) Phenanthrene	11.51	178	61669	8.157	ng	96
71) Anthracene	11.57	178	21301	2.760	ng	100
74) Fluoranthene	12.71	202	135523	16.263	ng	96
77) Pyrene	12.94	202	127841	16.838	ng	98
80) Benzo(a)anthracene	14.13	228	63199	9.006	ng	97
82) Chrysene	14.17	228	58899	9.123	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	27007	4.930	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	88120	16.510	ng	93
88) Benzo(k)fluoranthene	15.22	252	88120	17.337	ng	96
89) Benzo(a)pyrene	15.62	252	43923	9.257	ng	93
91) Benzo(g,h,i)perylene	17.77	276	26115	6.644	ng	# 90

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

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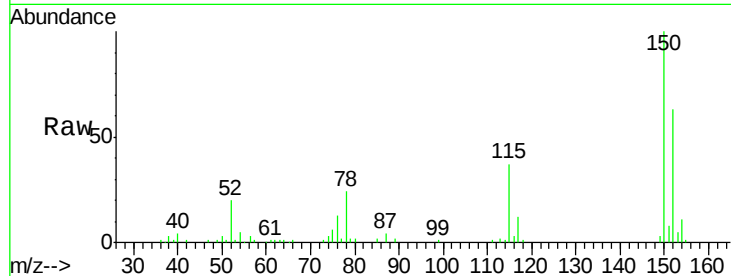




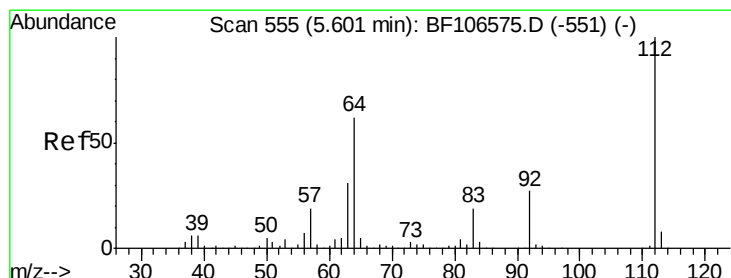
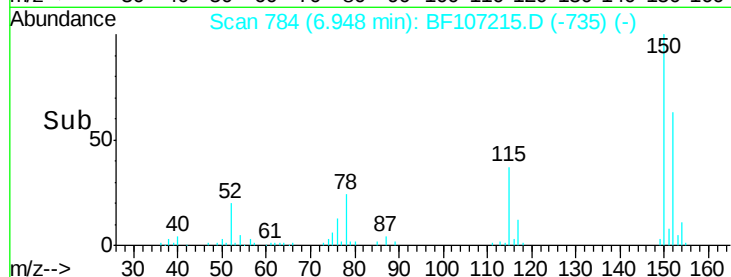
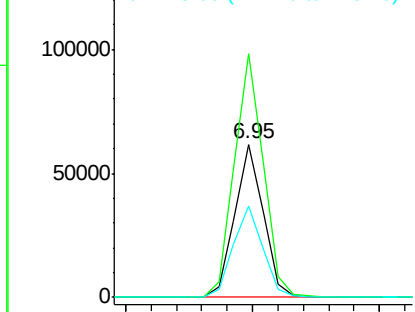
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14

Tgt Ion:152 Resp: 48316
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.6 186.8
 115 59.4 50.1 75.1

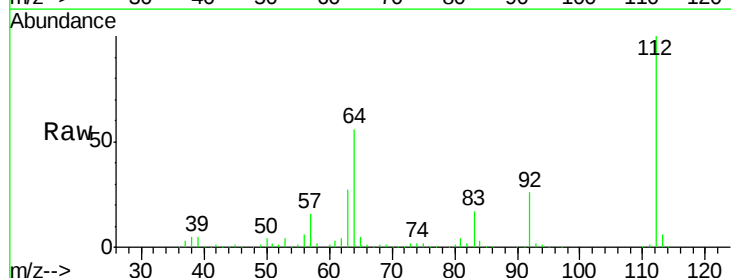


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

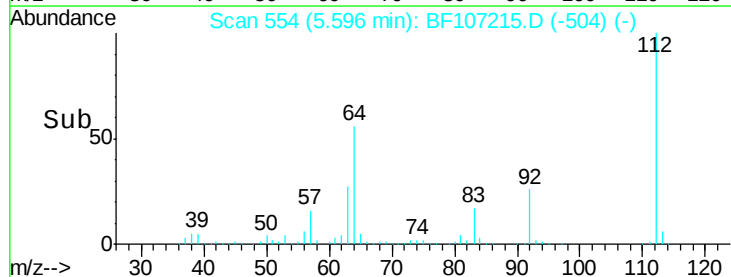
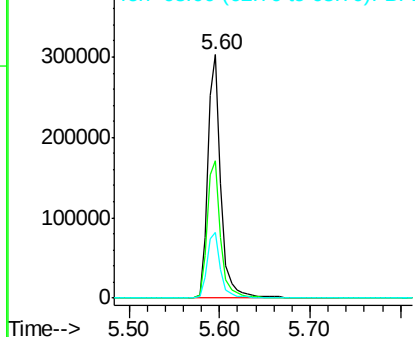


#5
 2-Fluorophenol
 Concen: 108.552 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Tgt Ion:112 Resp: 309735
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.9 71.9
 63 27.2 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: 106.725 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

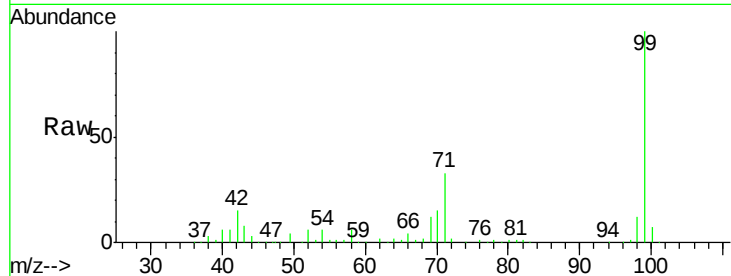
Tgt Ion: 99 Resp: 380290

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

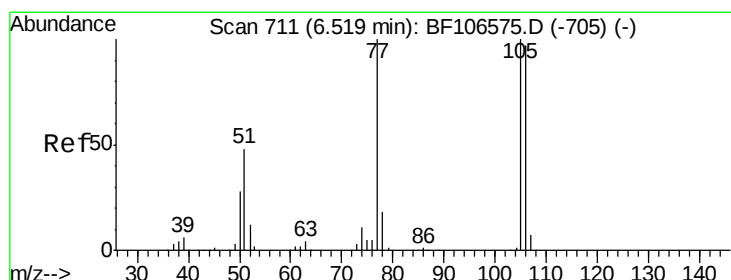
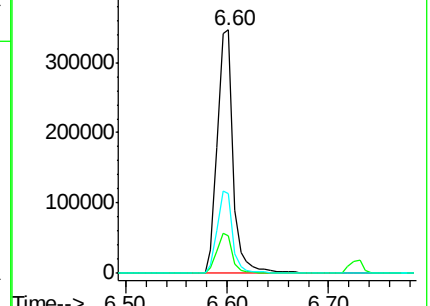
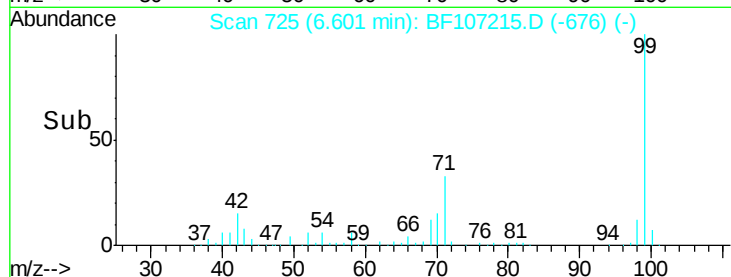
71 32.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.174 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

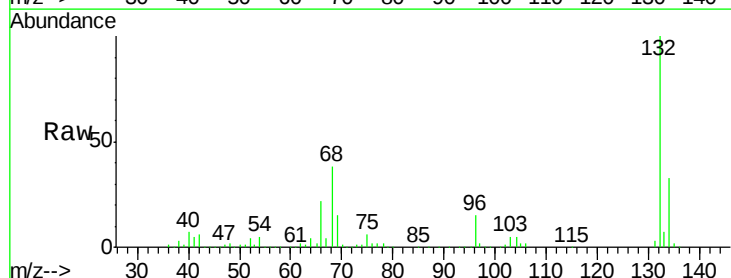
Tgt Ion: 77 Resp: 6504

Ion Ratio Lower Upper

77 100

105 87.5 81.1 121.1

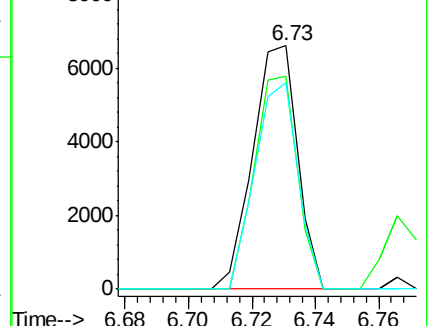
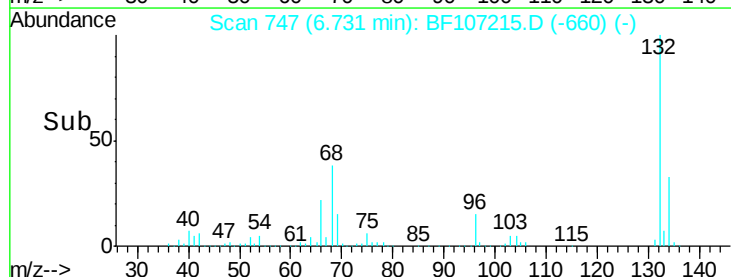
106 84.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

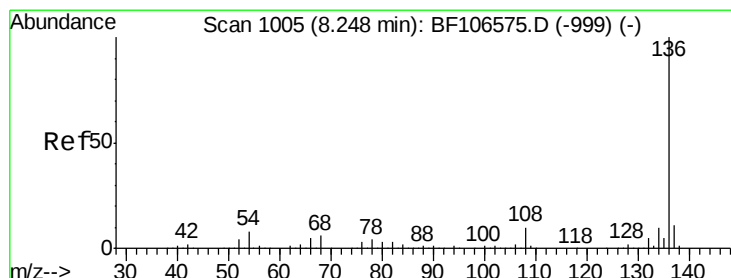
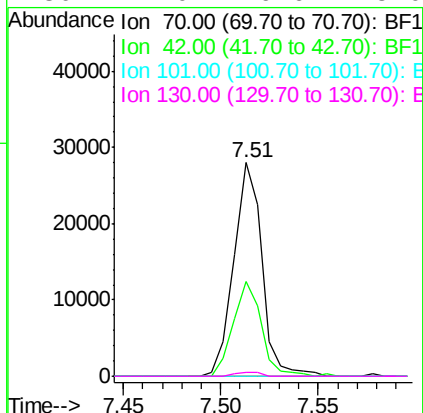
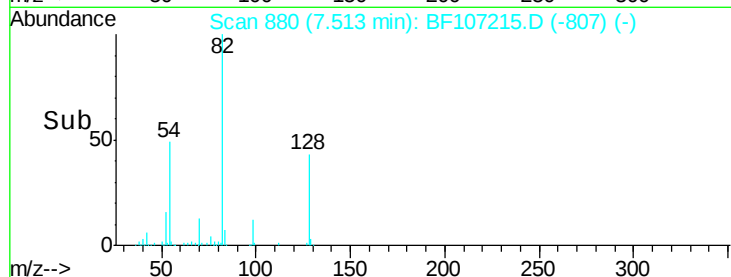
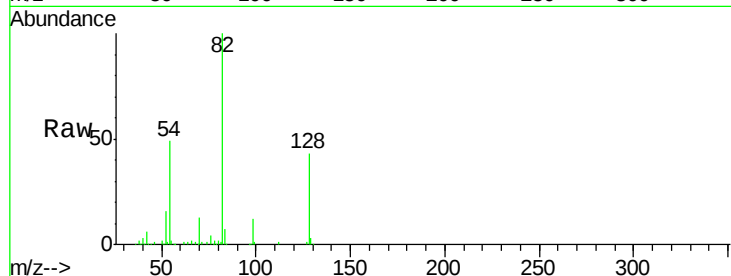




#19
n-Nitroso-di-n-propylamine
Concen: 11.970 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

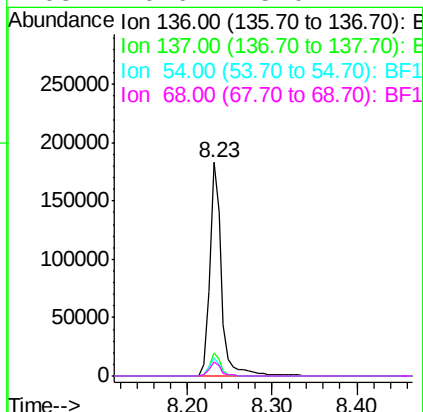
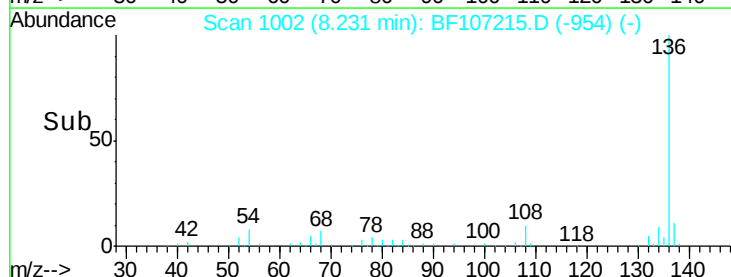
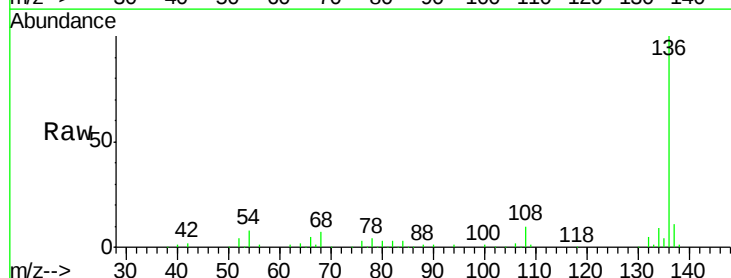
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14

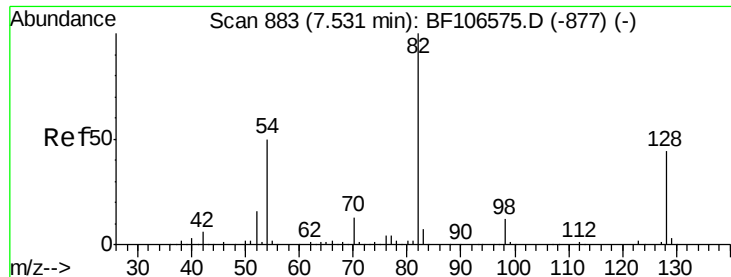
Tgt Ion: 70 Resp: 28116
Ion Ratio Lower Upper
70 100
42 44.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Tgt Ion: 136 Resp: 178320
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.5 6.6 9.8
68 6.6 5.0 7.4

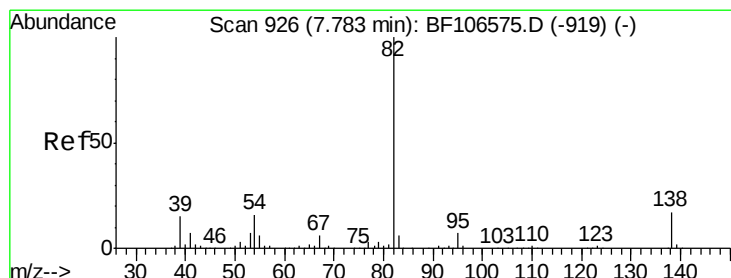
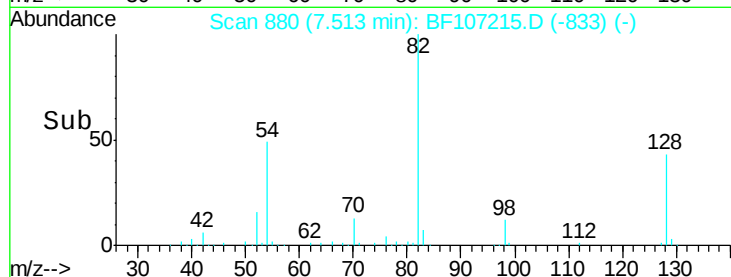
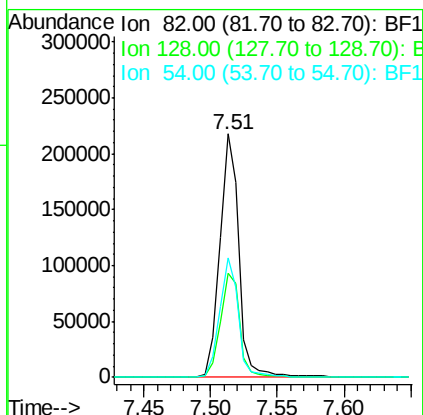
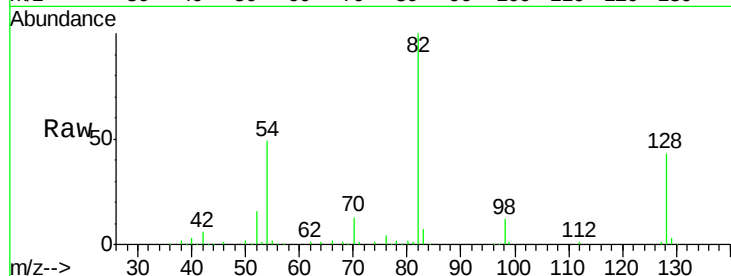




#23
 Nitrobenzene-d5
 Concen: 68.678 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

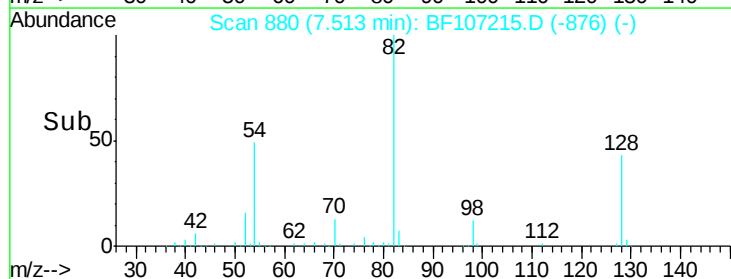
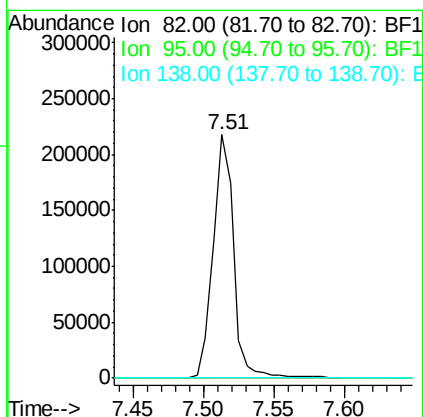
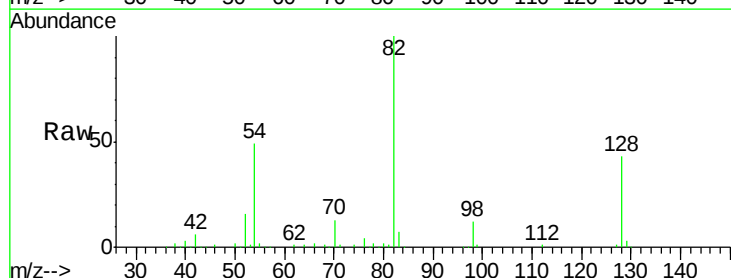
Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14

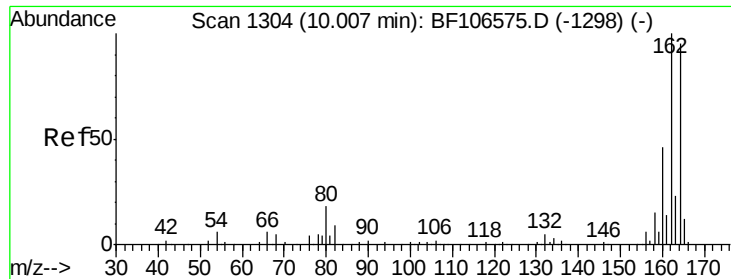
Tgt Ion: 82 Resp: 220370
 Ion Ratio Lower Upper
 82 100
 128 43.0 36.1 54.1
 54 48.9 41.4 62.2



#25
 Isophorone
 Concen: 38.974 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Tgt Ion: 82 Resp: 220368
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

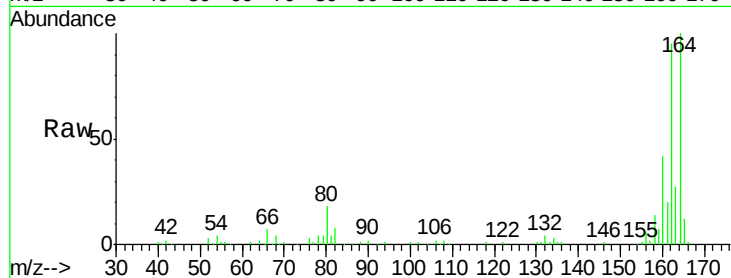
Tgt Ion:164 Resp: 84014

Ion Ratio Lower Upper

164 100

162 94.6 86.1 129.1

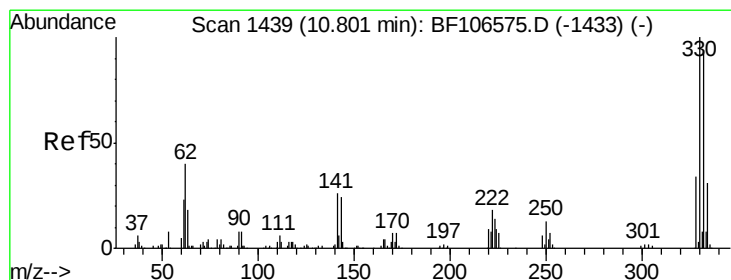
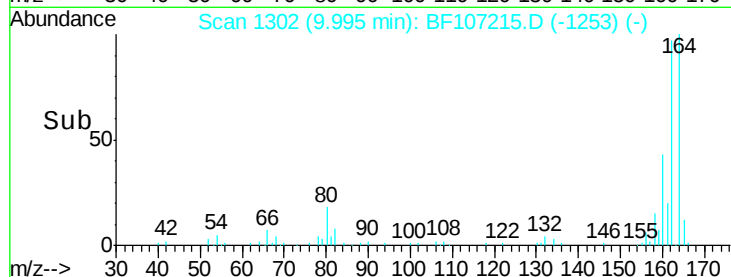
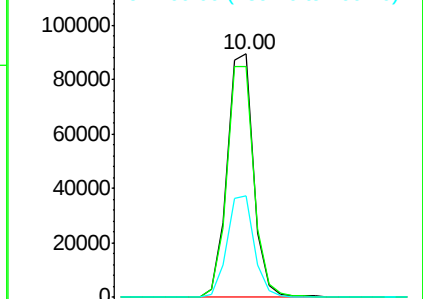
160 42.0 38.3 57.5



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: 109.100 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

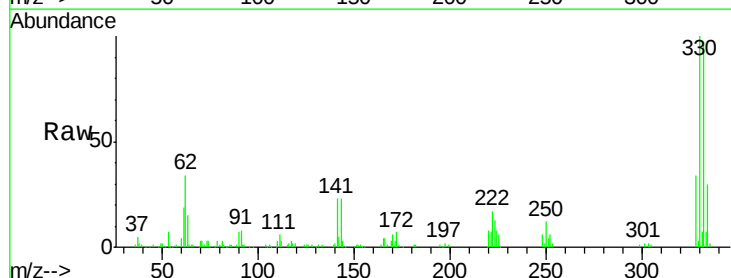
Tgt Ion:330 Resp: 106236

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

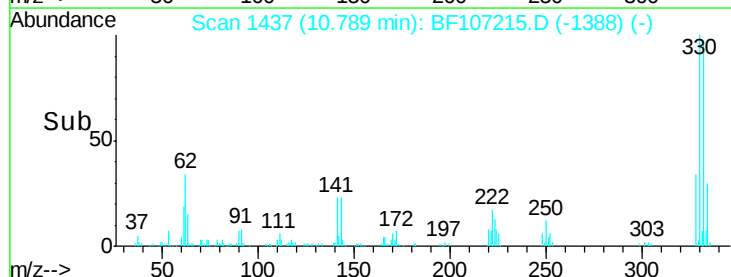
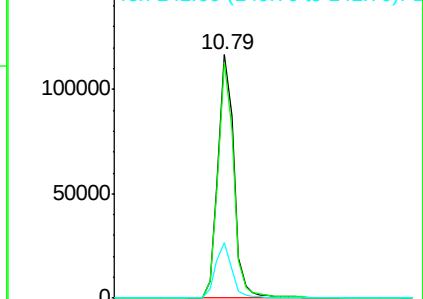
141 23.3 29.9 44.9#



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

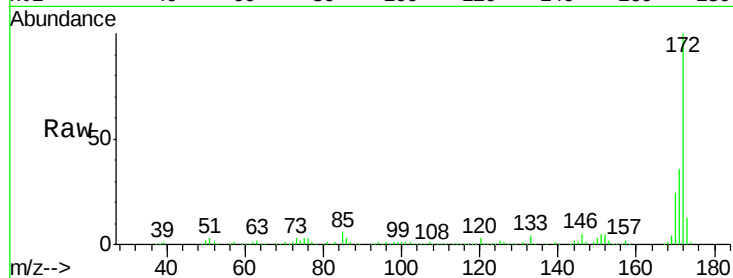




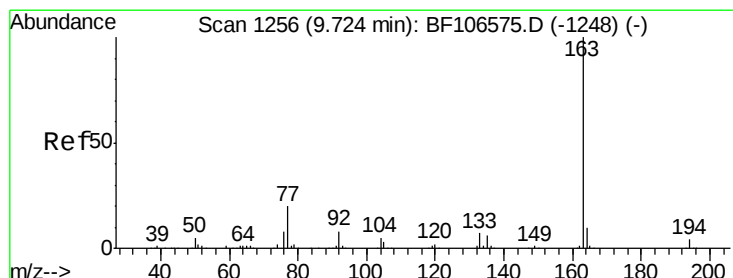
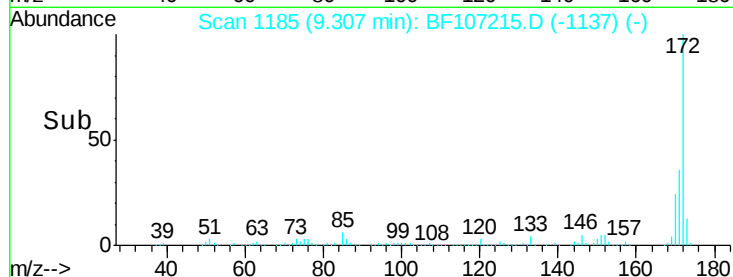
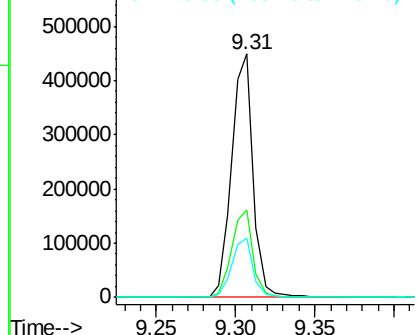
#44
 2-Fluorobiphenyl
 Concen: 85.401 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Instrument :
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 ClientSampleId :
 SURCHARGE-SP-14

Tgt Ion:172 Resp: 423546
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.3 19.6 29.4

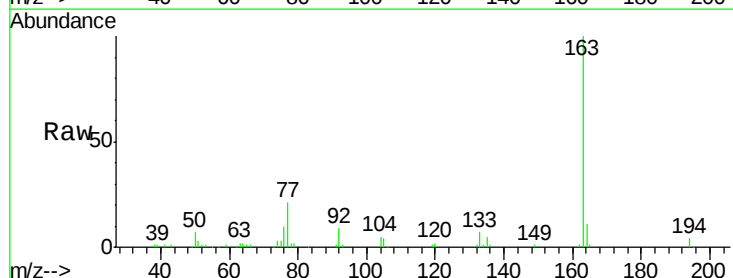


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

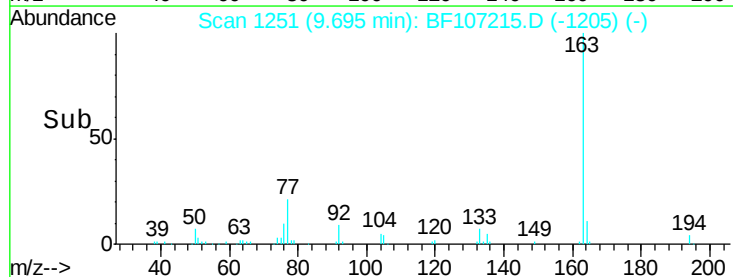
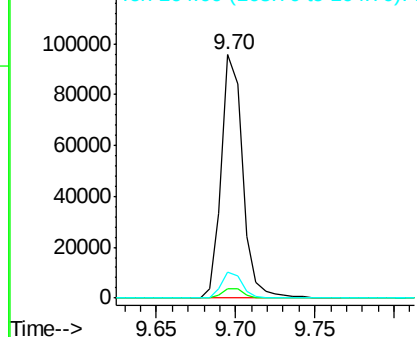


#49
 Dimethylphthalate
 Concen: 14.251 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Tgt Ion:163 Resp: 89796
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.7 4.1
 164 10.9 8.2 12.2



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

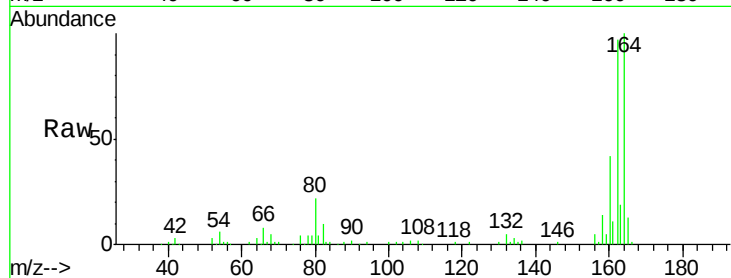




#56
2,4-Dinitrotoluene
Concen: 6.267 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14

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#

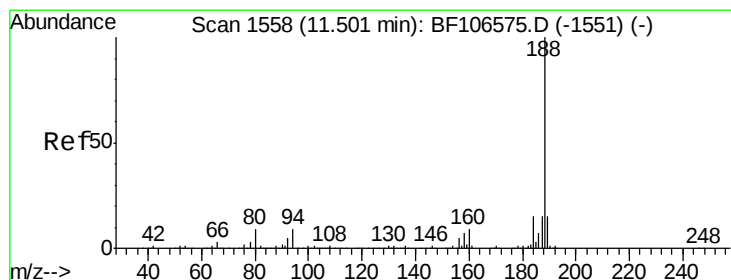
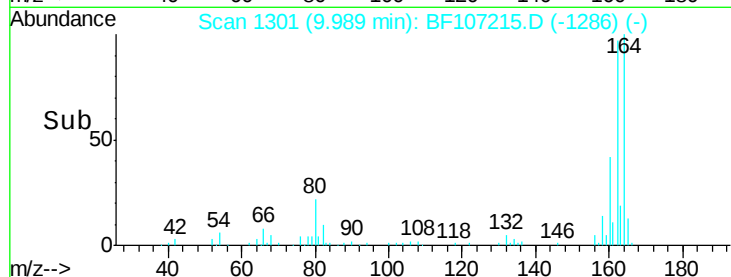
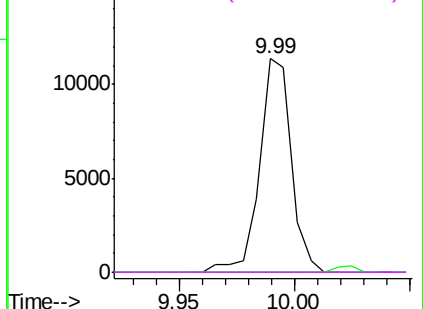


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

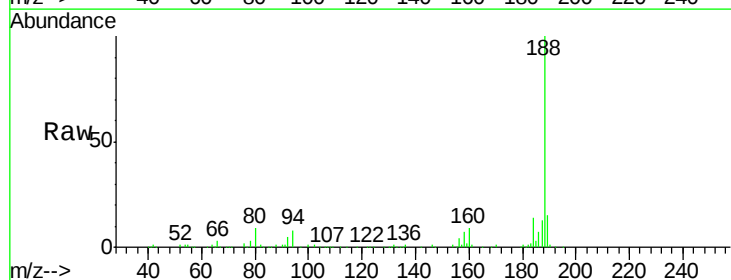
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

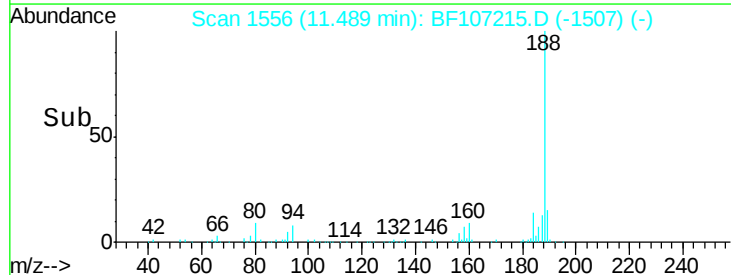
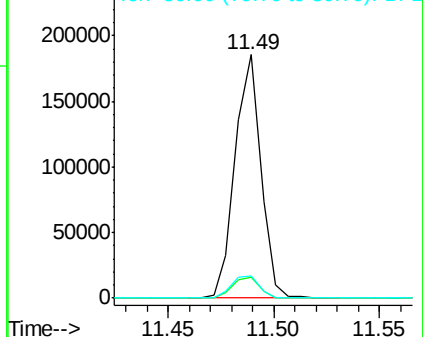
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.1	9.2	13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

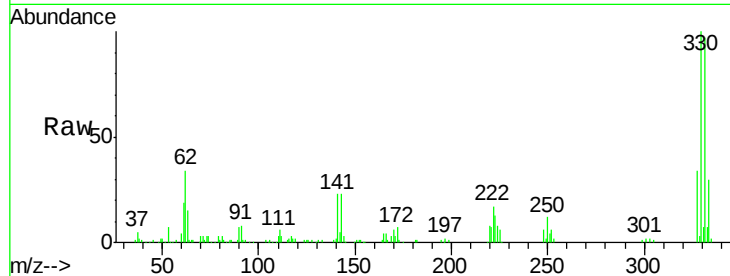




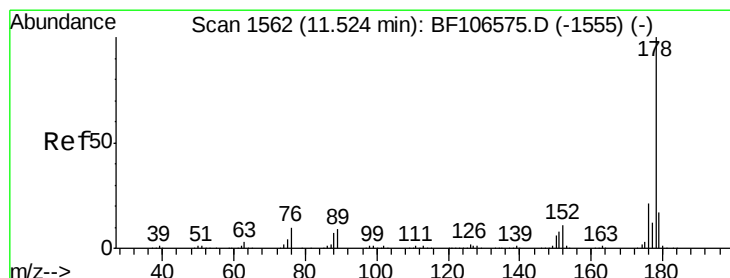
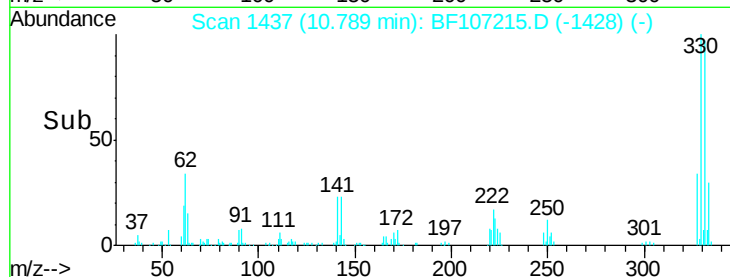
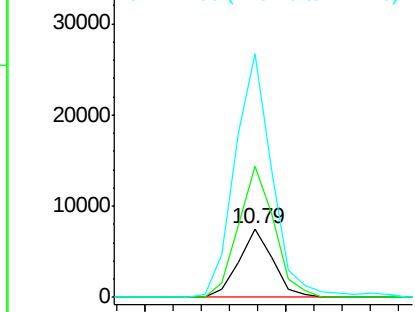
#66
 4-Bromophenyl-phenylether
 Concen: 3.394 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14

Tgt Ion: 248 Resp: 6350
 Ion Ratio Lower Upper
 248 100
 250 191.9 76.9 115.3#
 141 355.5 74.4 111.6#

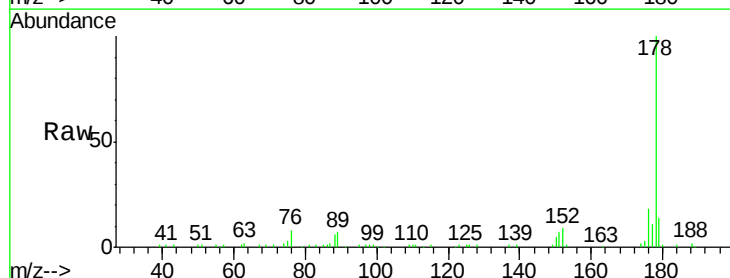


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

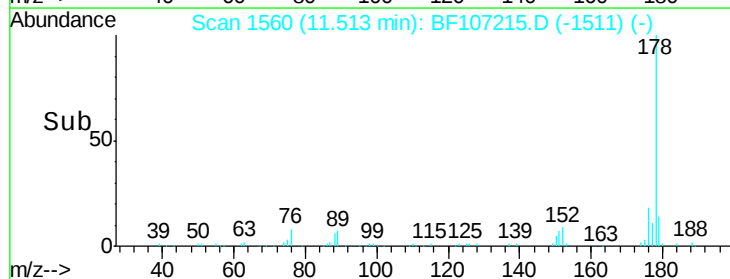
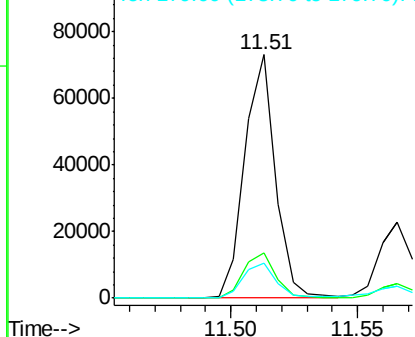


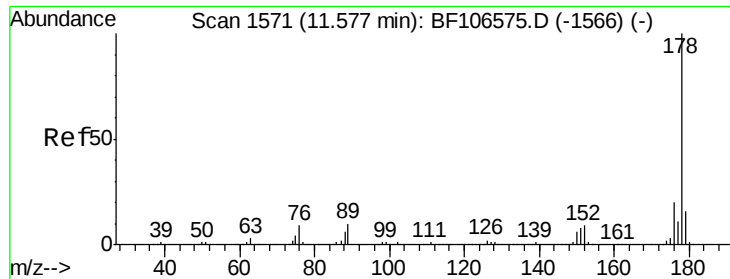
#70
 Phenanthrene
 Concen: 8.157 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107215.D
 Acq: 7 Jul 2018 19:05

Tgt Ion: 178 Resp: 61669
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 14.4 13.0 19.6



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





#71

Anthracene

Concen: 2.760 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

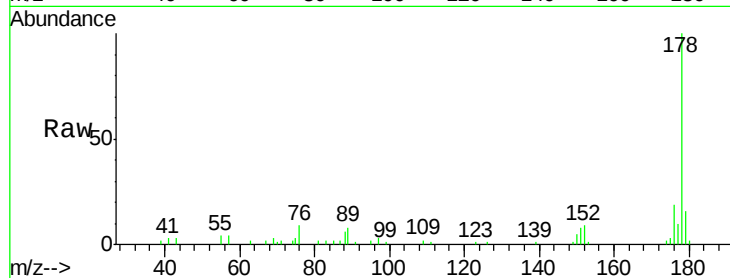
Tgt Ion:178 Resp: 21301

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

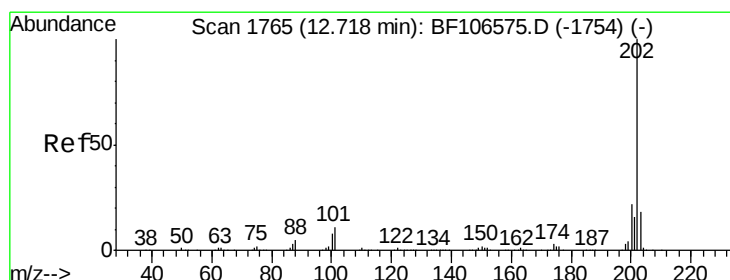
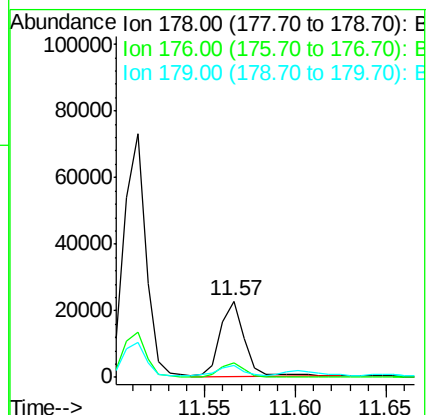
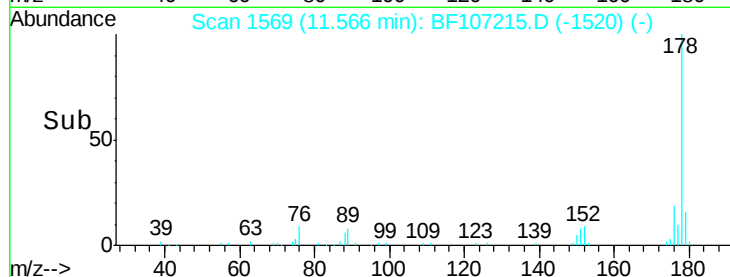
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 16.263 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

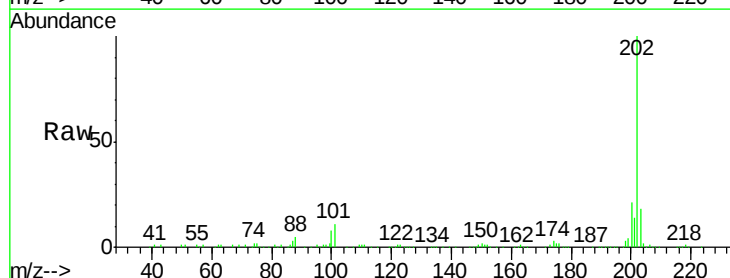
Tgt Ion:202 Resp: 135523

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

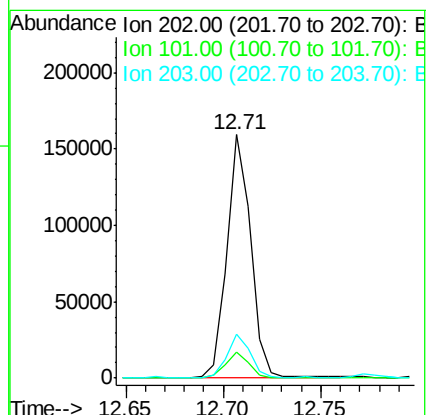
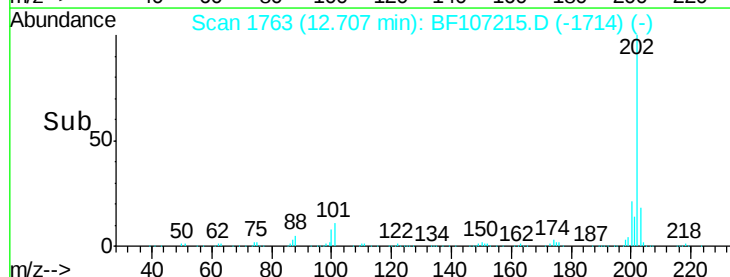
203 18.2 0.0 38.1

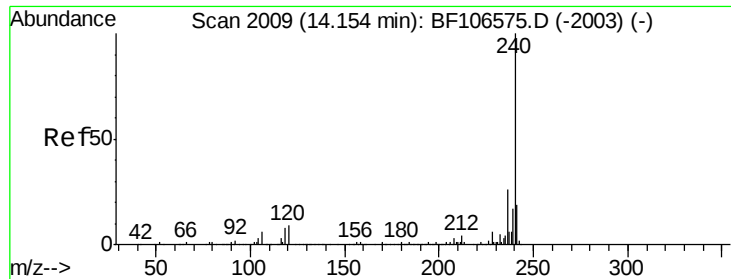


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

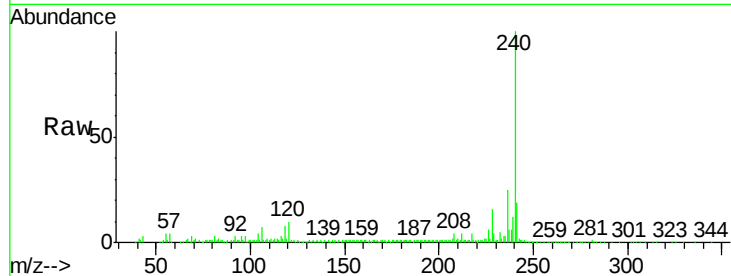
Tgt Ion:240 Resp: 115137

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

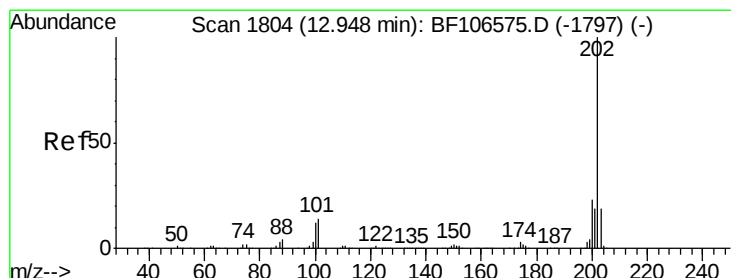
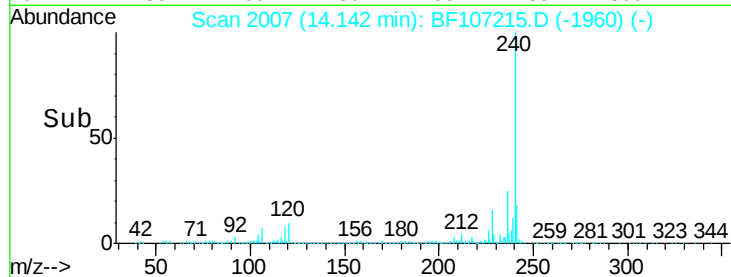
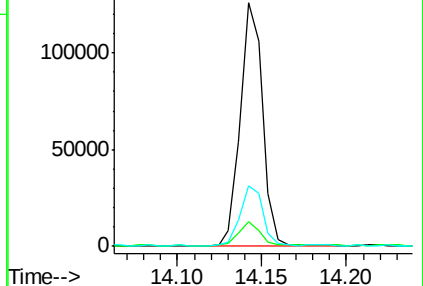
236 25.1 20.7 31.1



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: 16.838 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

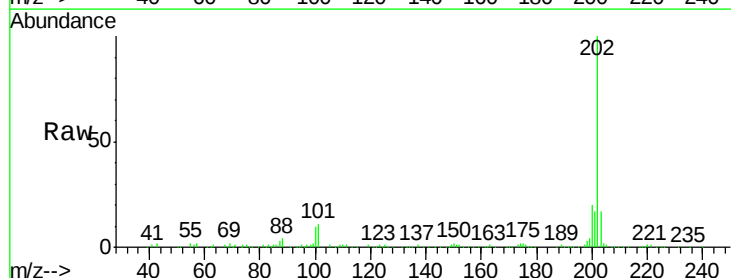
Tgt Ion:202 Resp: 127841

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

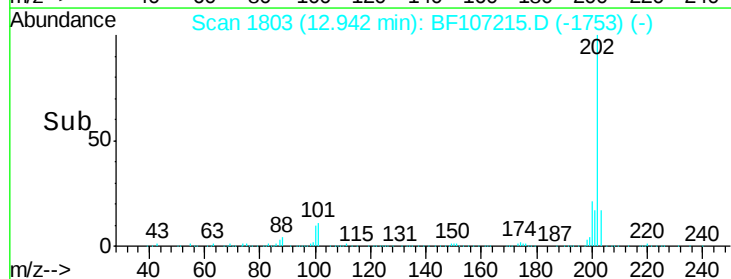
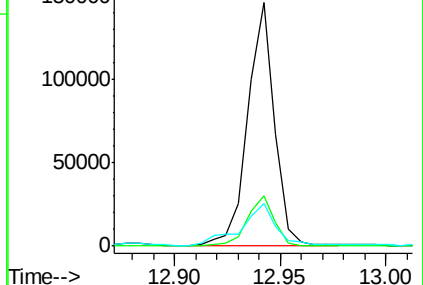
203 17.4 14.3 21.5

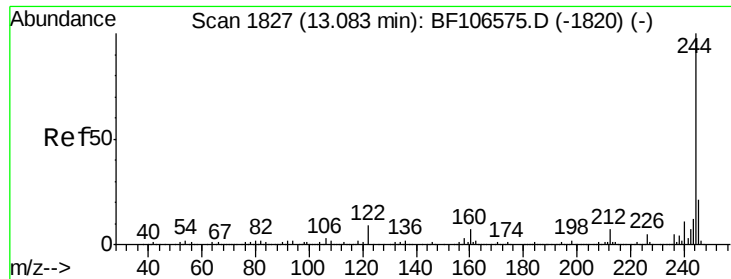


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 98.017 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

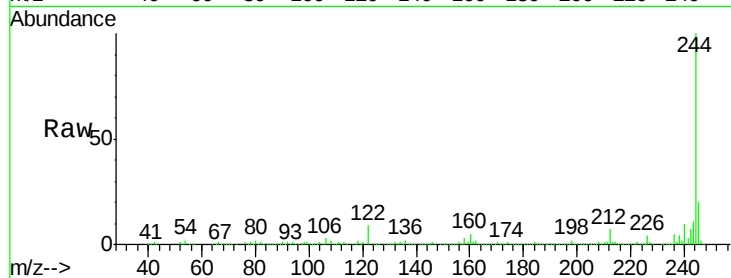
Tgt Ion:244 Resp: 465895

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

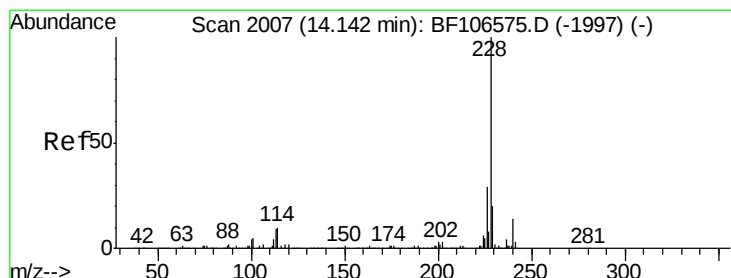
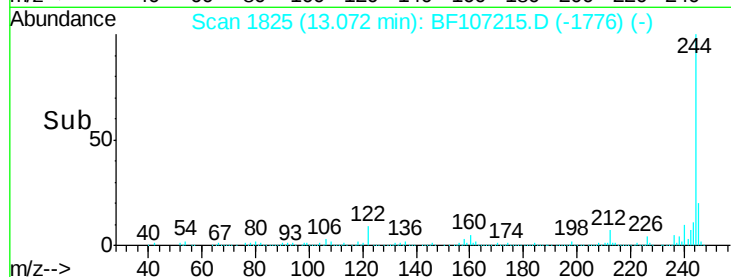
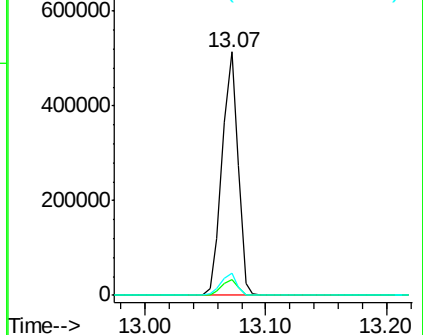
122 9.0 11.0 16.4#



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: 9.006 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

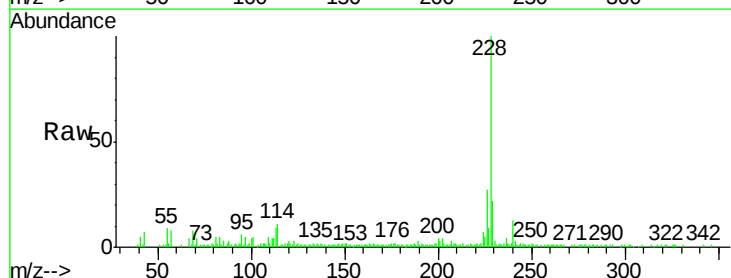
Tgt Ion:228 Resp: 63199

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

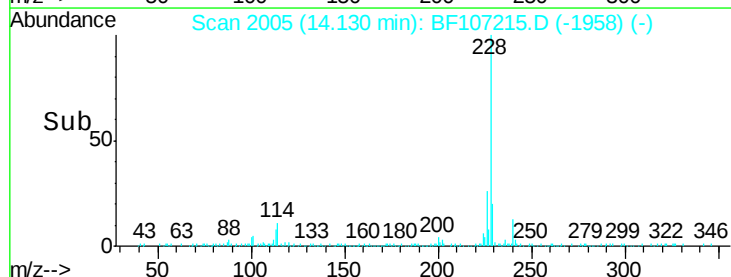
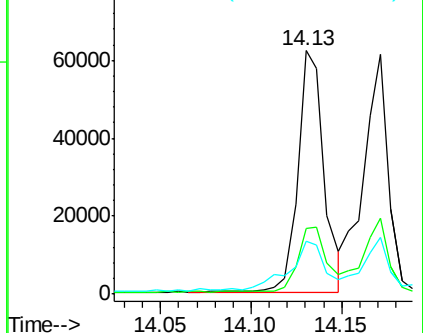
229 21.5 15.8 23.6

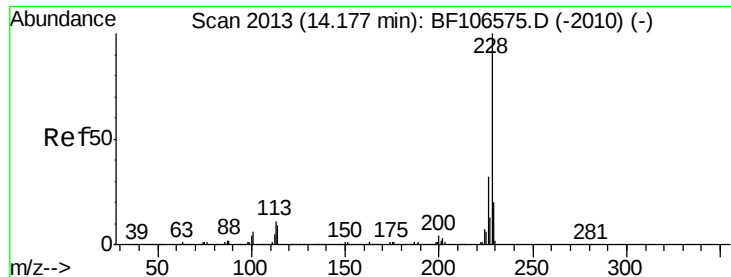


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.123 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14

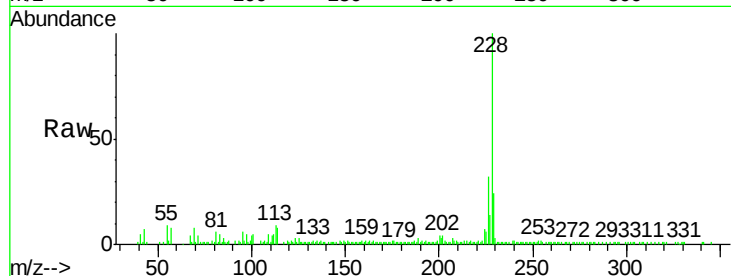
Tgt Ion:228 Resp: 58899

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

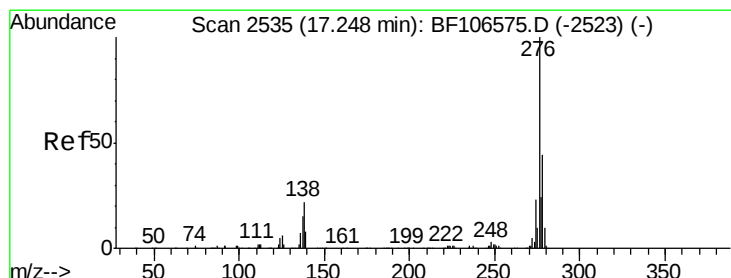
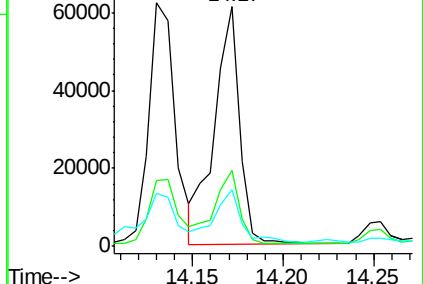
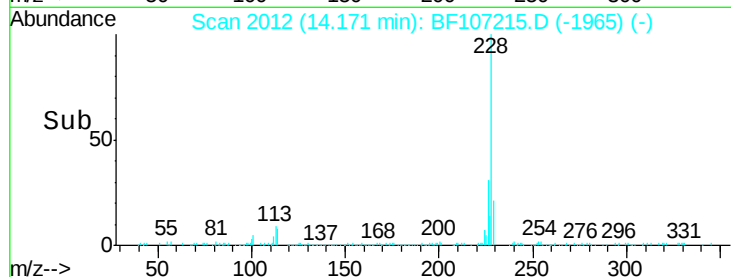
229 23.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.930 ng

RT: 17.28 min Scan# 2541

Delta R.T. -0.02 min

Lab File: BF107215.D

Acq: 7 Jul 2018 19:05

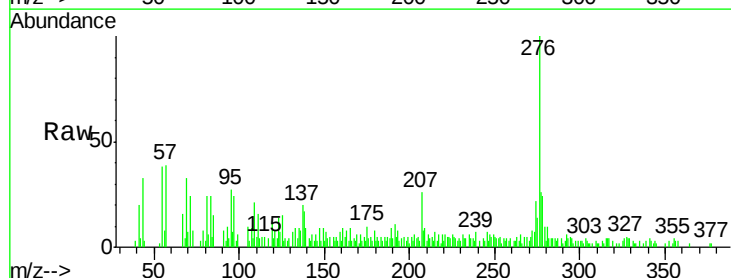
Tgt Ion:276 Resp: 27007

Ion Ratio Lower Upper

276 100

138 20.9 25.0 37.6#

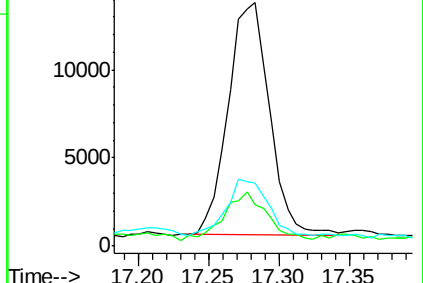
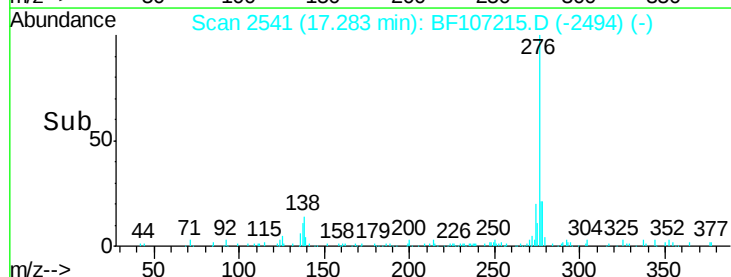
277 24.8 20.1 30.1

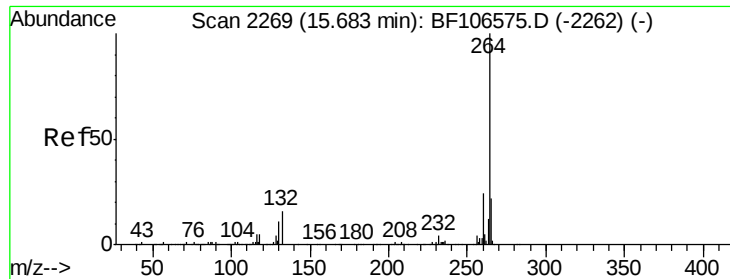


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

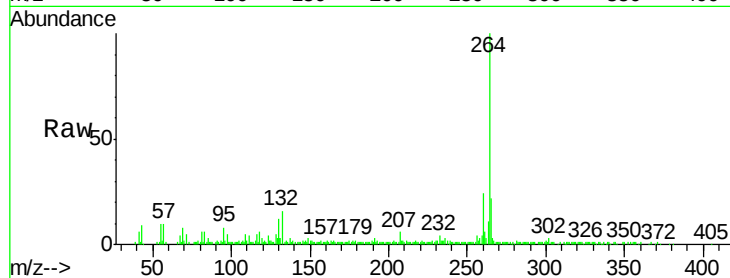




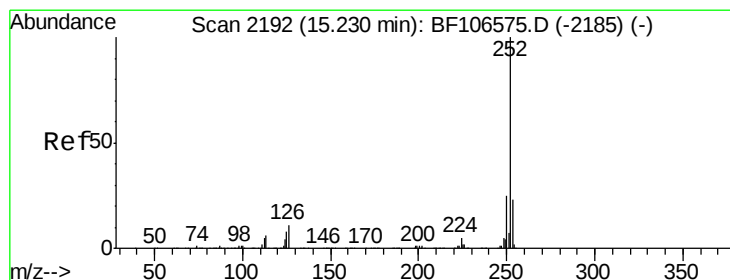
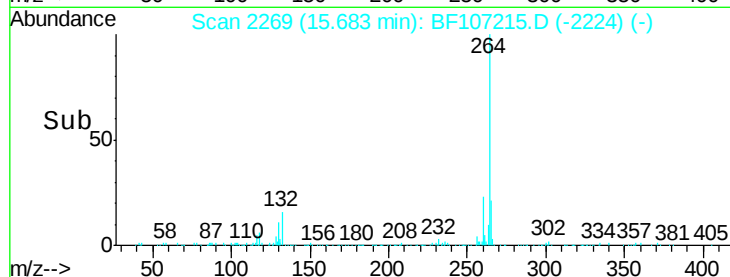
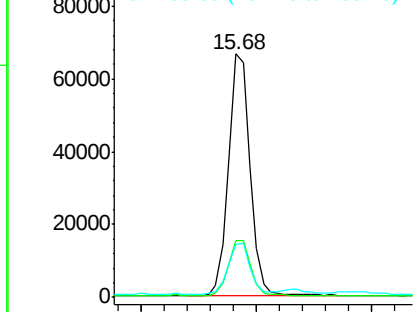
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14

Tgt Ion:264 Resp: 85921
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.7 17.5 26.3

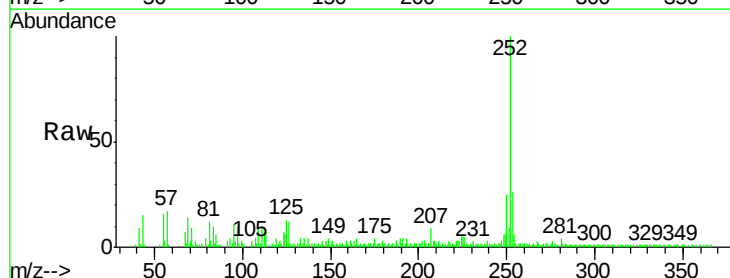


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

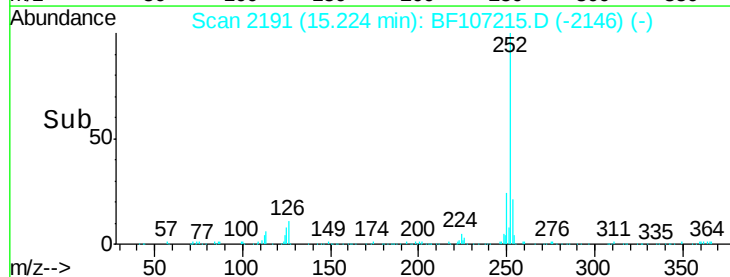
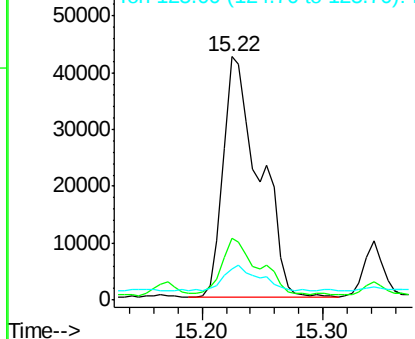


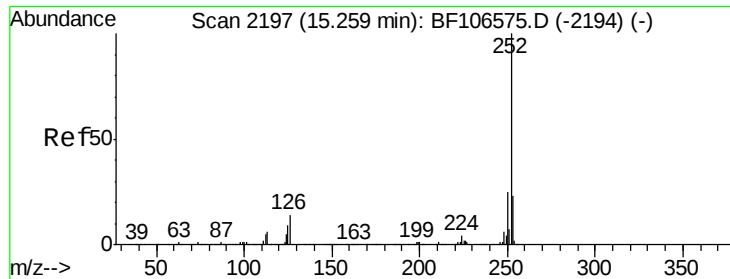
#87
Benzo(b)fluoranthene
Concen: 16.510 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Tgt Ion:252 Resp: 88120
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.6
125 12.9 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

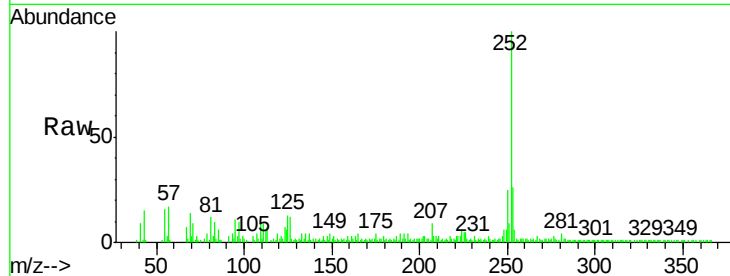




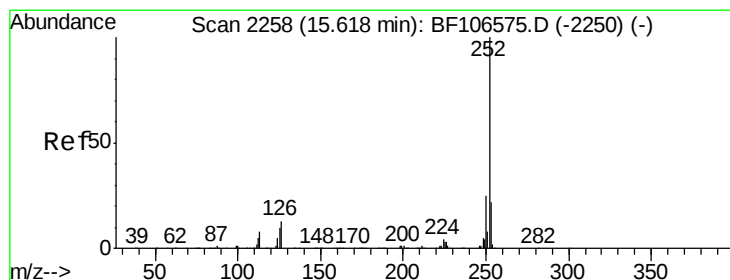
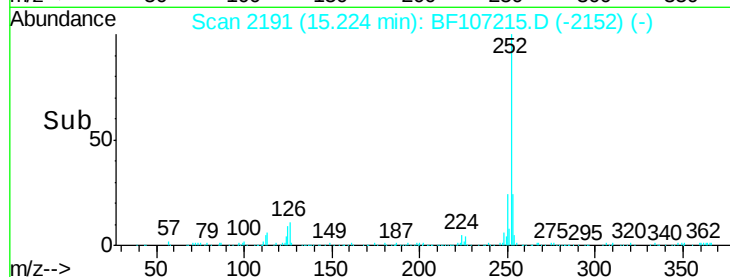
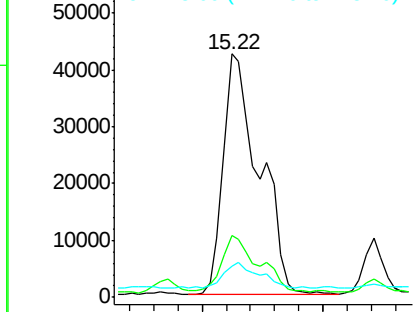
#88
Benzo(k)fluoranthene
Concen: 17.337 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14

Tgt Ion:252 Resp: 88120
Ion Ratio Lower Upper
252 100
253 25.6 17.9 26.9
125 12.9 10.2 15.2

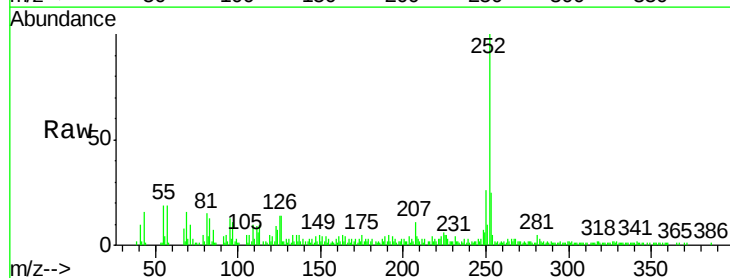


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

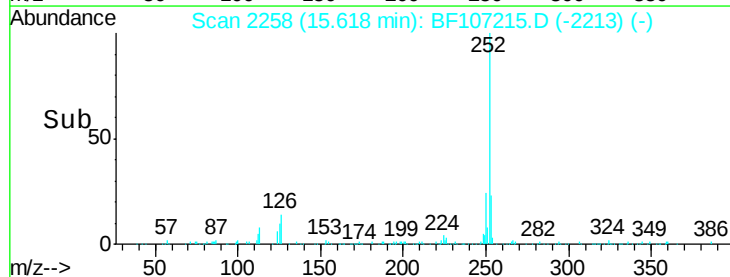
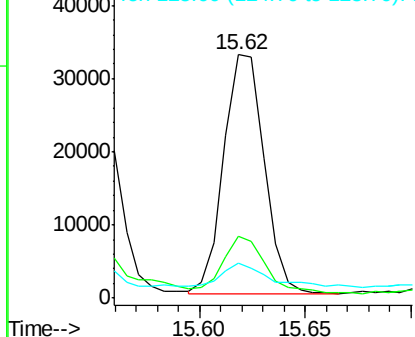


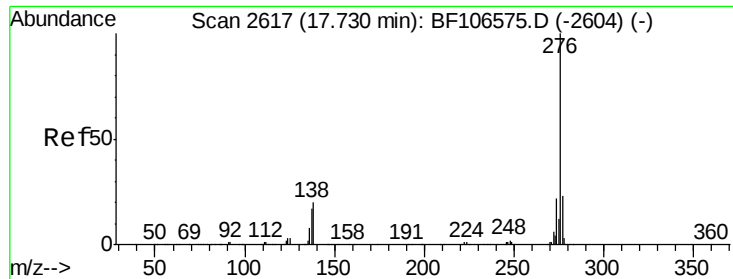
#89
Benzo(a)pyrene
Concen: 9.257 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107215.D
Acq: 7 Jul 2018 19:05

Tgt Ion:252 Resp: 43923
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 14.3 9.8 14.6



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





#91

Benzo(g,h,i)perylene

Concen: 6.644 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF107215.D

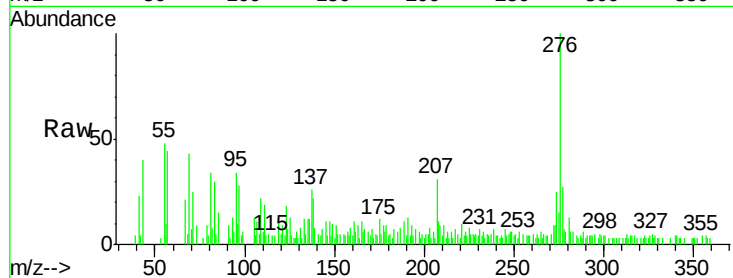
Acq: 7 Jul 2018 19:05

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-14



Tgt Ion:	276	Resp:	26115
Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	22.3	21.8	32.8

