

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062018\
 Data File : BF106642.D
 Acq On : 21 Jun 2018 1:30
 Operator : JU/SJ
 Sample : J3575-10 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Jun 21 04:22:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

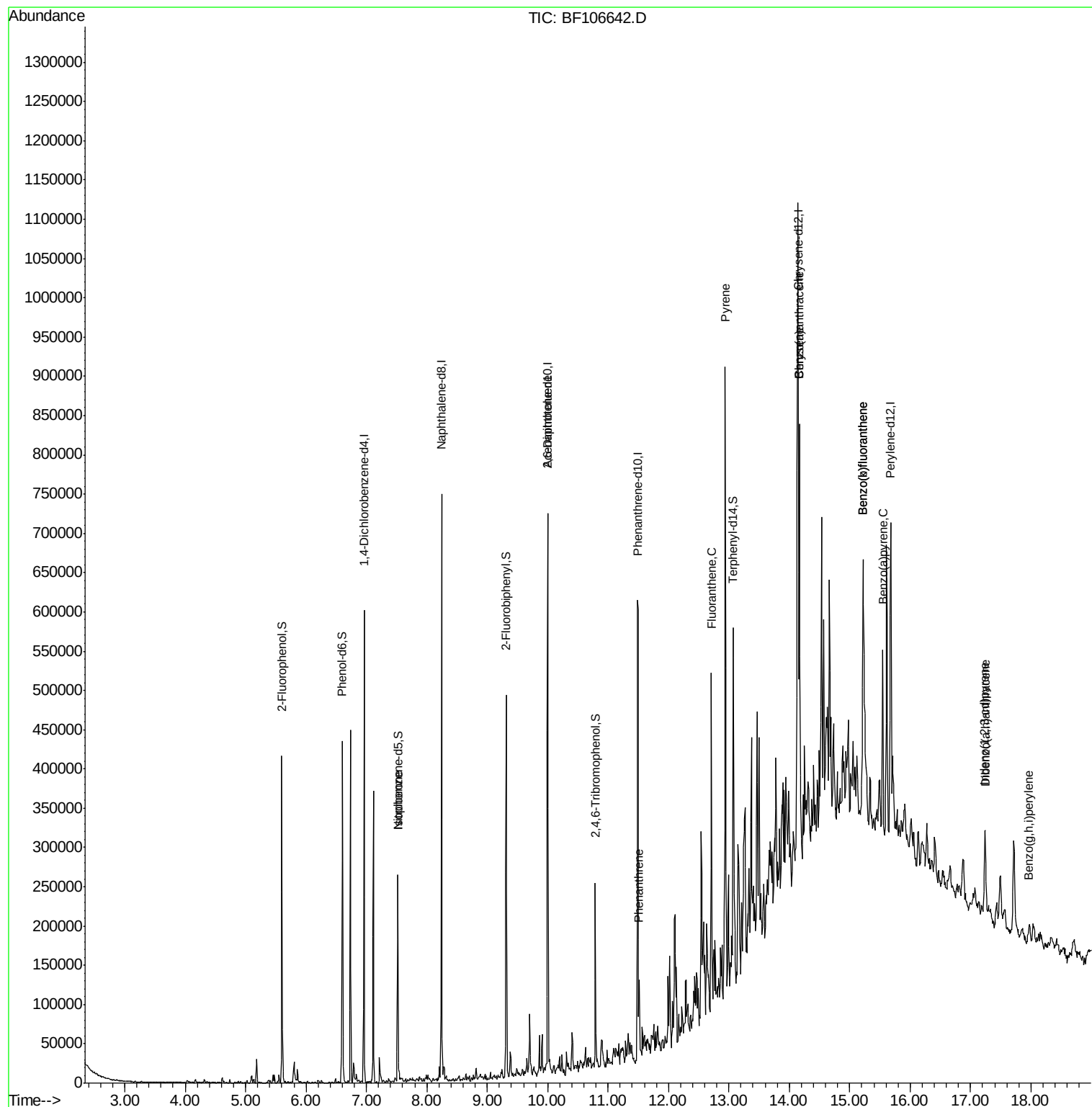
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	81263	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	306242	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	132692	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	229724	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	257277	20.00	ng	-0.01
86) Perylene-d12	15.68	264	209019	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	108014	22.51	ng	0.00
7) Phenol-d6	6.60	99	133794	22.32	ng	0.00
23) Nitrobenzene-d5	7.52	82	77996	14.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	27298	17.75	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	139883	3.74	ng	-0.01
78) Terphenyl-d14	13.07	244	151483	14.26	ng	-0.01
Target Compounds						
25) Isophorone	7.52	82	77993	8.032	ng	# 65
50) 2,6-Dinitrotoluene	10.00	165	17336	8.226	ng	# 25
70) Phenanthrene	11.51	178	41688	3.762	ng	97
74) Fluoranthene	12.71	202	140809	11.530	ng	97
77) Pyrene	12.94	202	318585	18.778	ng	99
80) Benzo(a)anthracene	14.17	228	238784	15.228	ng	95
82) Chrysene	14.17	228	238784	16.553	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	83061	6.785	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	265444	20.444	ng	96
88) Benzo(k)fluoranthene	15.22	252	265444	21.468	ng	96
89) Benzo(a)pyrene	15.55	252	119867	10.385	ng	96
90) Dibenzo(a,h)anthracene	17.25	278	24496	2.504	ng	# 86
91) Benzo(g,h,i)perylene	17.97	276	19287	2.017	ng	94

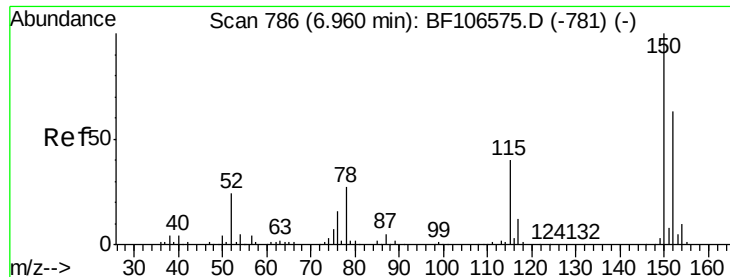
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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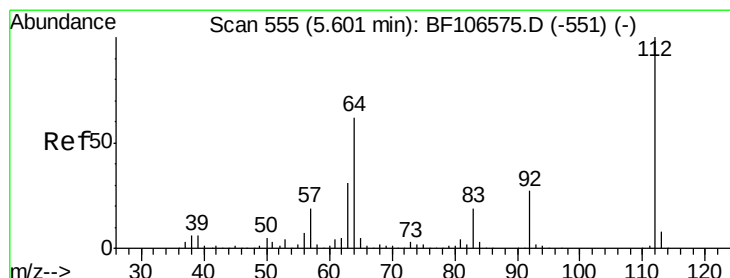
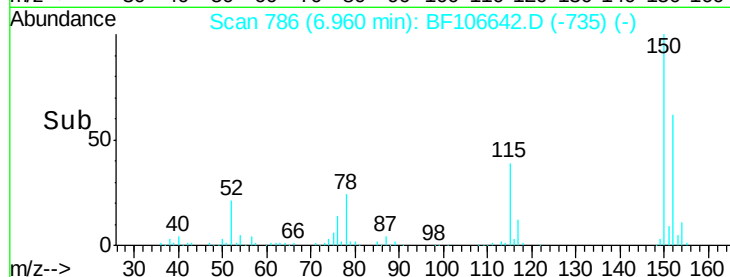
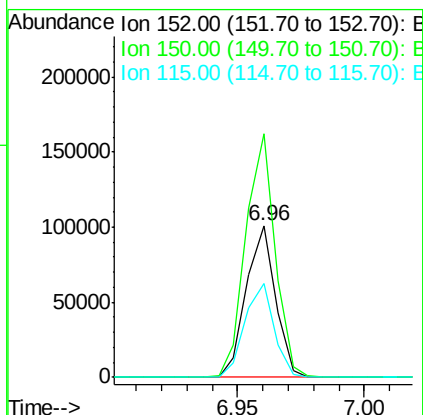
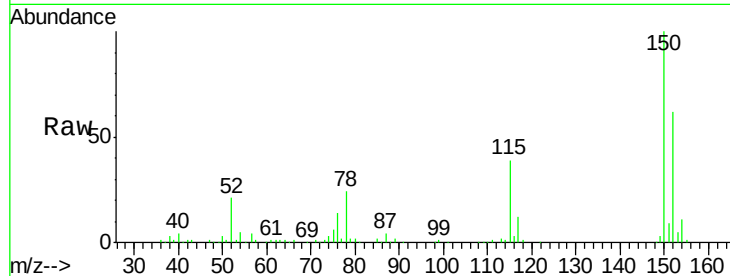


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

Instrument :
BNA_F
ClientSampled :
TP-12

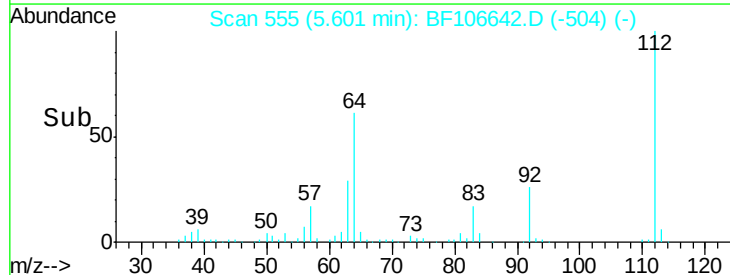
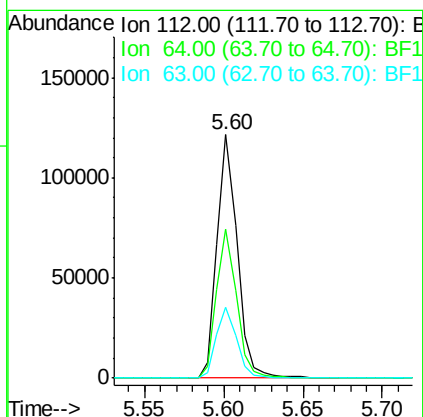
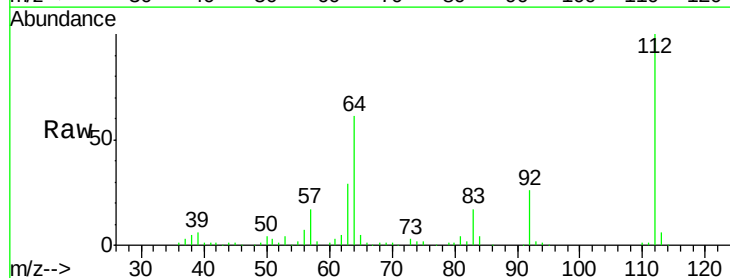
Tgt Ion:152 Resp: 81263
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 61.8 50.1 75.1

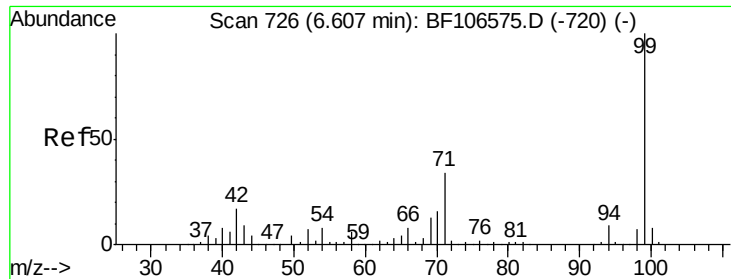


#5

2-Fluorophenol
Concen: 22.507 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

Tgt Ion:112 Resp: 108014
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 22.325 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

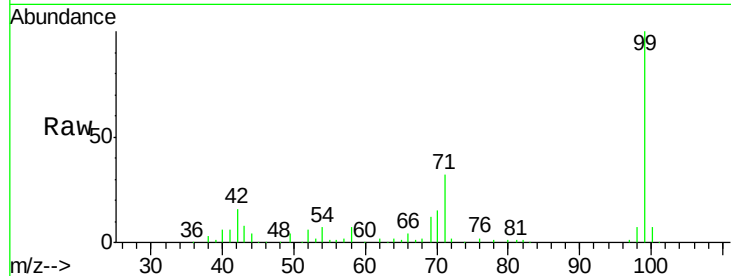
Tgt Ion: 99 Resp: 133794

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

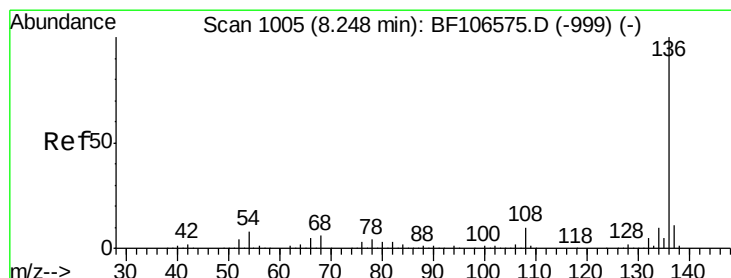
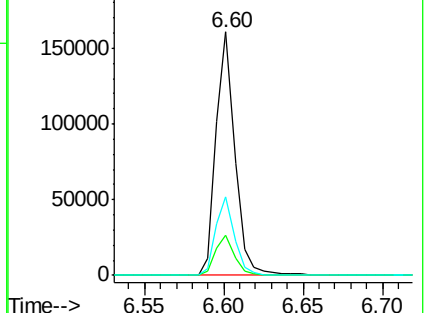
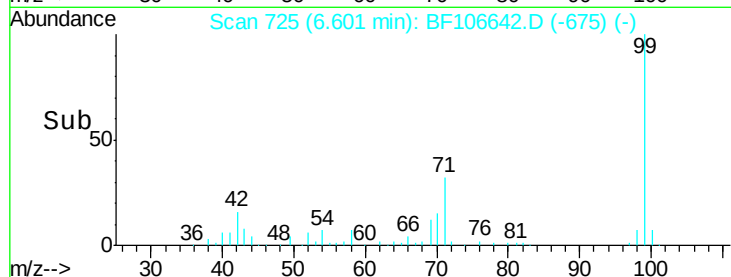
71 32.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Tgt Ion: 136 Resp: 306242

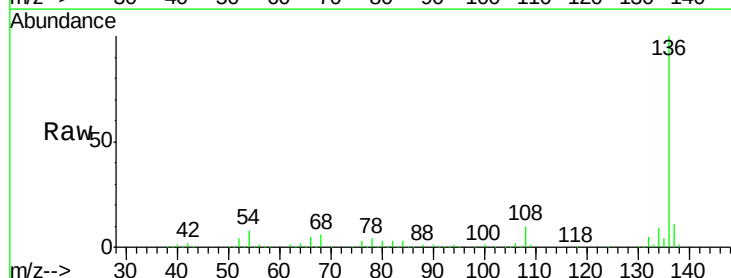
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 6.6 9.8

68 6.3 5.0 7.4

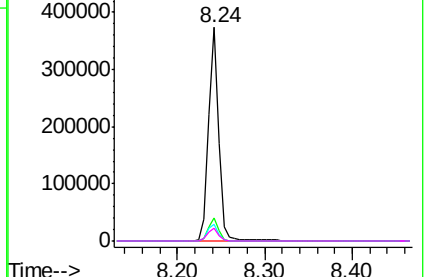
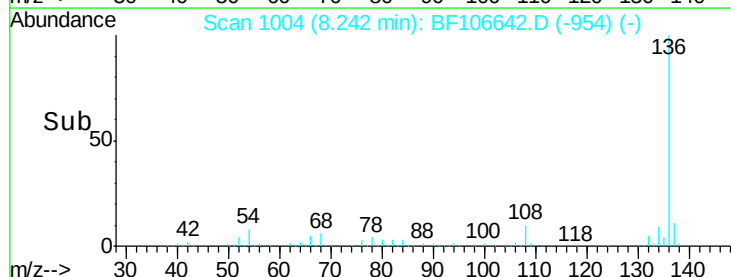


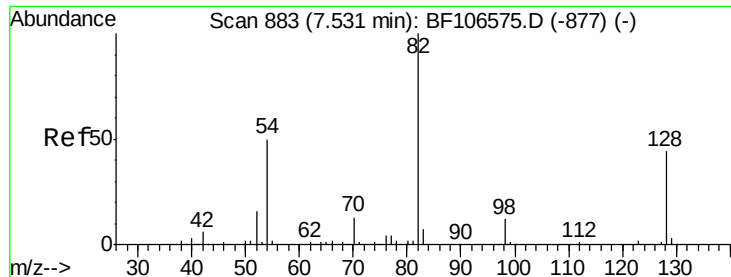
Abundance Ion 136.00 (135.70 to 136.70): E

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

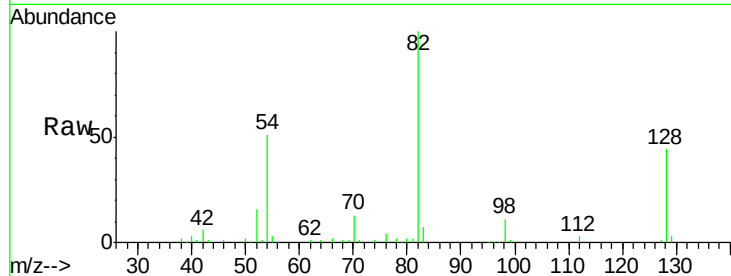




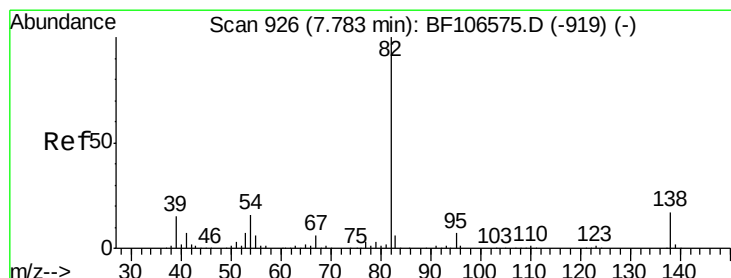
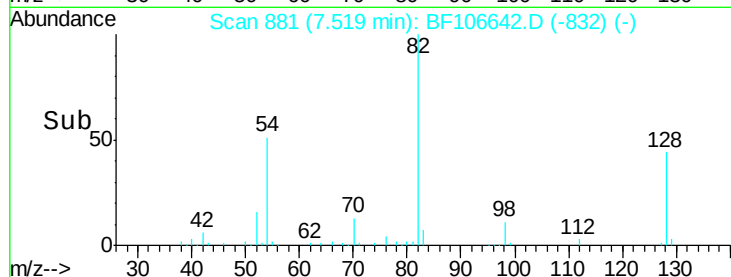
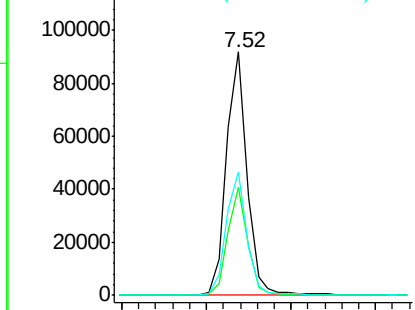
#23
 Nitrobenzene-d5
 Concen: 14.154 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF106642.D
 Acq: 21 Jun 2018 1:30

Instrument :
 BNA_F
 ClientSampled :
 TP-12

Tgt Ion: 82 Resp: 77996
 Ion Ratio Lower Upper
 82 100
 128 44.2 36.1 54.1
 54 50.9 41.4 62.2

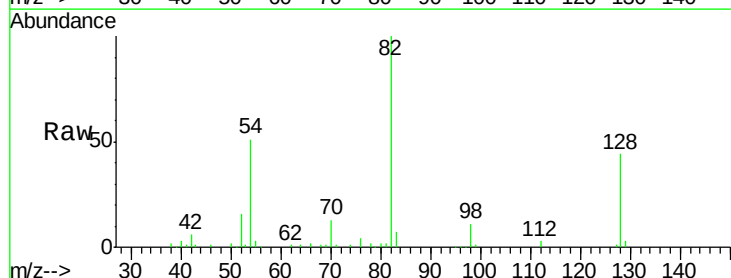


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

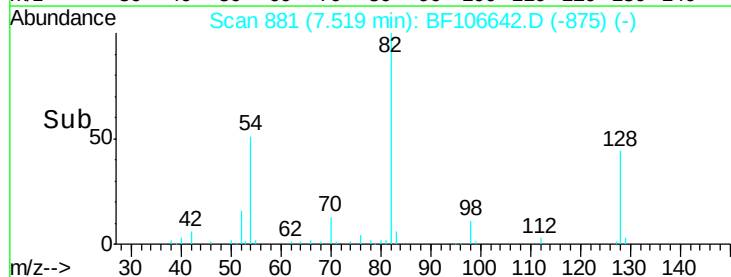
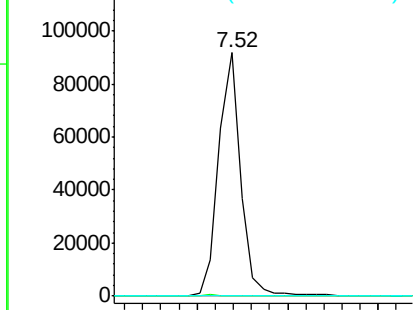


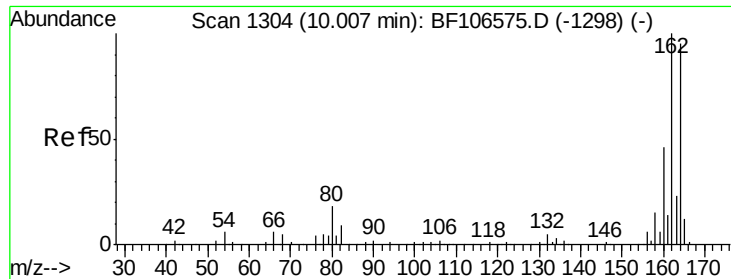
#25
 Isophorone
 Concen: 8.032 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.26 min
 Lab File: BF106642.D
 Acq: 21 Jun 2018 1:30

Tgt Ion: 82 Resp: 77993
 Ion Ratio Lower Upper
 82 100
 95 0.4 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# 1303

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

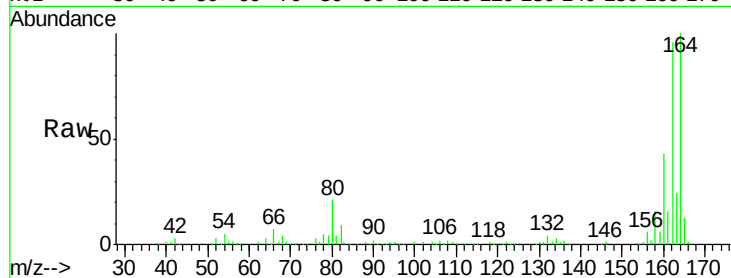
Tgt Ion:164 Resp: 132692

Ion Ratio Lower Upper

164 100

162 95.6 86.1 129.1

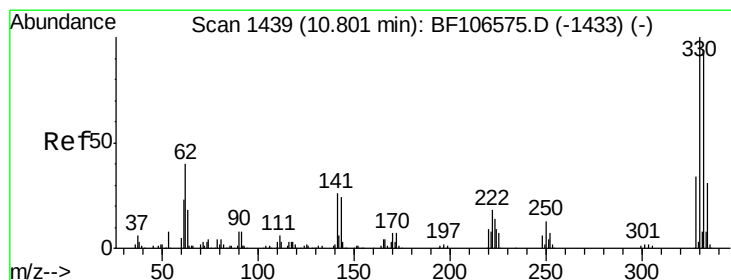
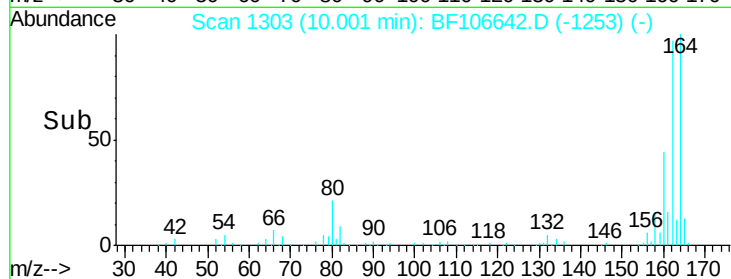
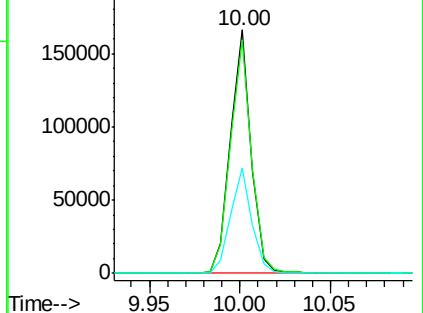
160 43.2 38.3 57.5



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: 17.750 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

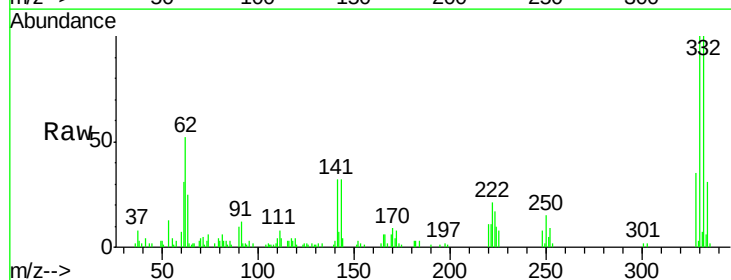
Tgt Ion:330 Resp: 27298

Ion Ratio Lower Upper

330 100

332 99.6 77.0 115.6

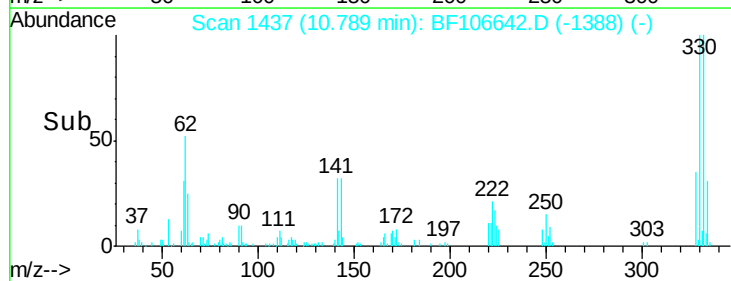
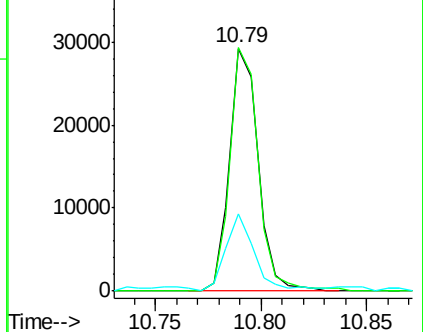
141 32.8 29.9 44.9

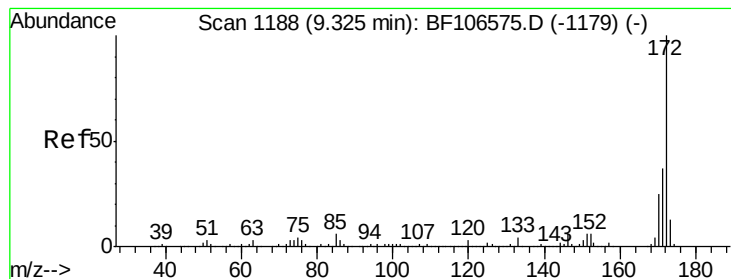


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 3.742 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

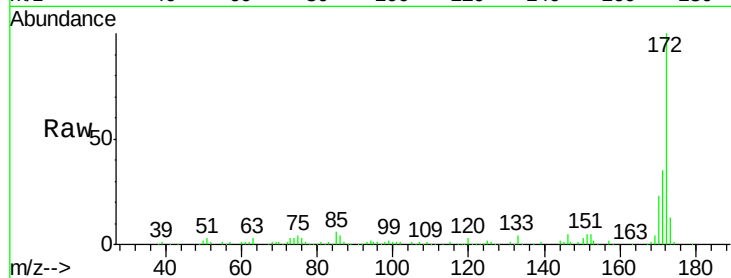
Tgt Ion:172 Resp: 139883

Ion Ratio Lower Upper

172 100

171 35.0 29.7 44.5

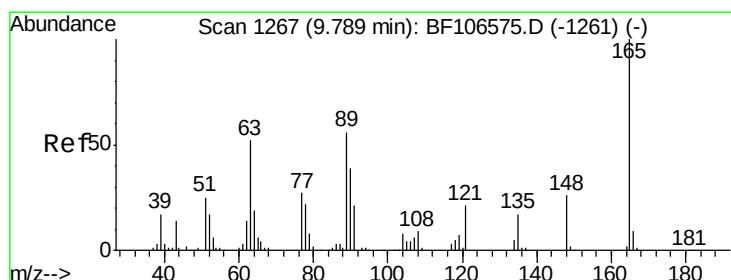
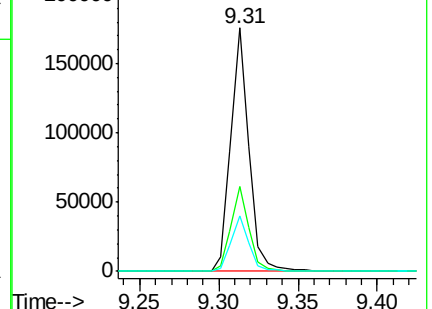
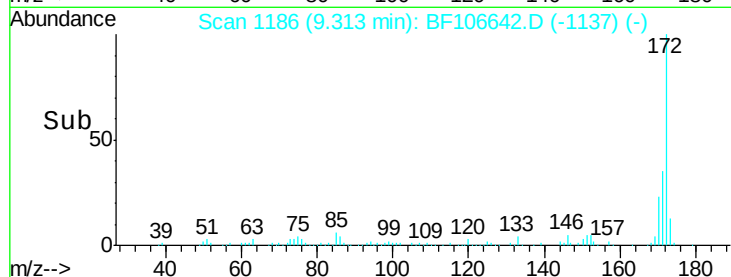
170 22.6 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.226 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

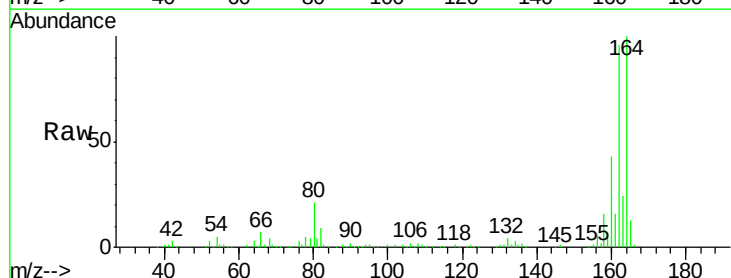
Tgt Ion:165 Resp: 17336

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

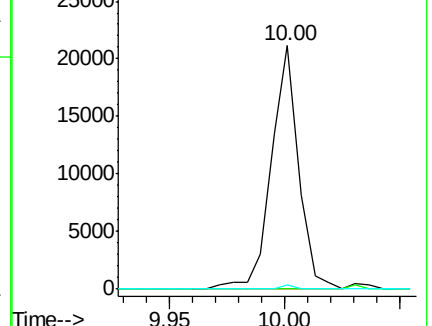
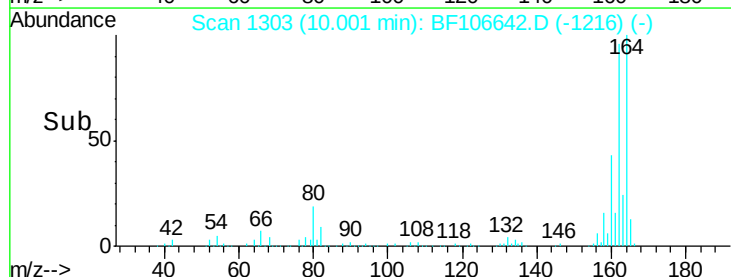
89 1.6 44.0 66.0#

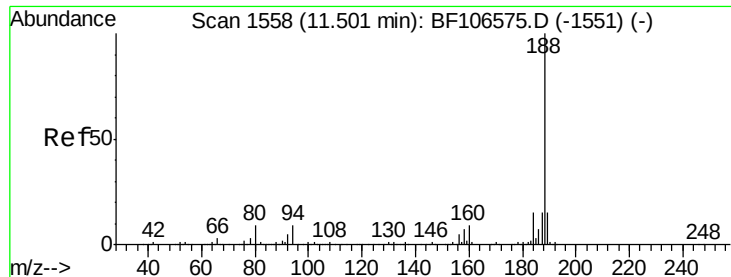


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

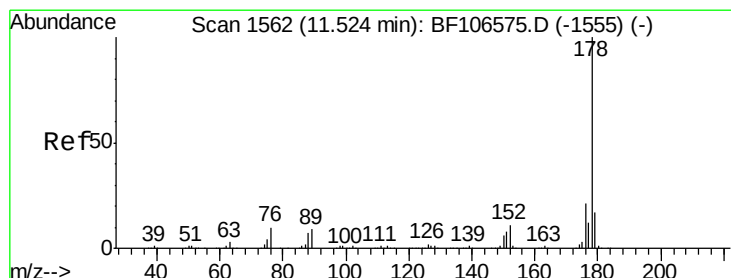
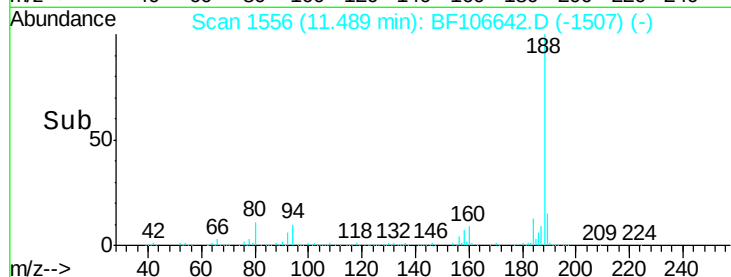
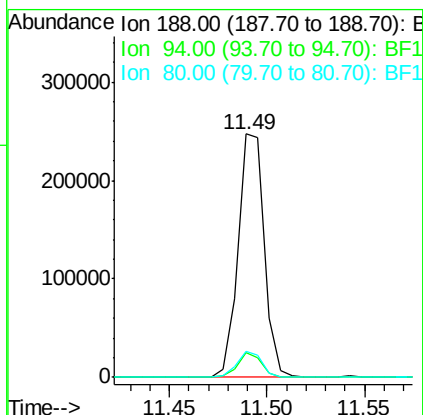
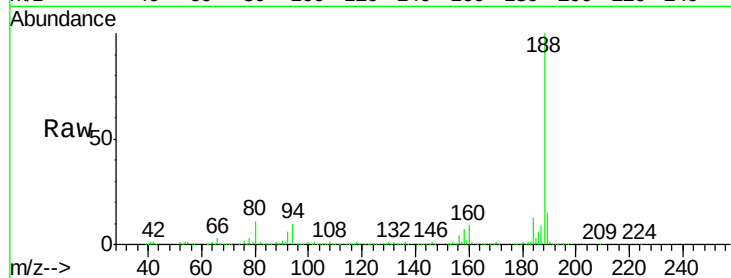




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

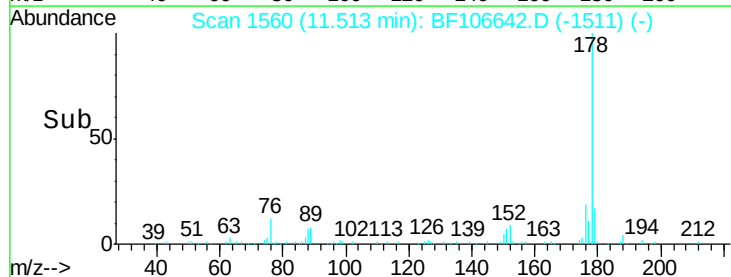
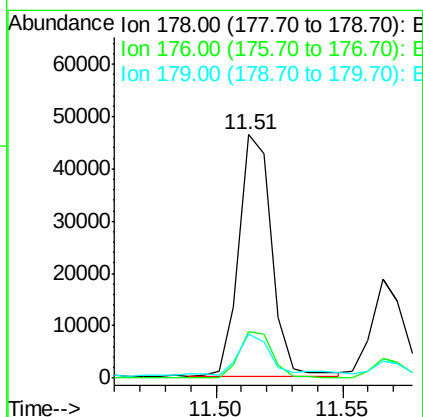
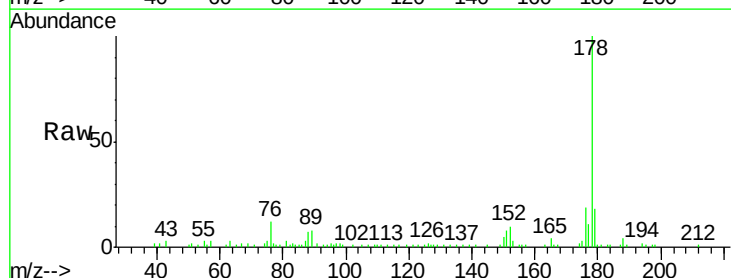
Instrument :
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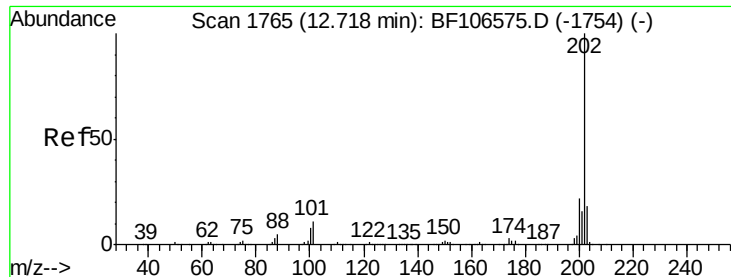
Tgt Ion:188 Resp: 229724
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.8 9.2 13.8



#70
Phenanthrene
Concen: 3.762 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

Tgt Ion:178 Resp: 41688
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 18.0 13.0 19.6





#74

Fluoranthene

Concen: 11.530 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

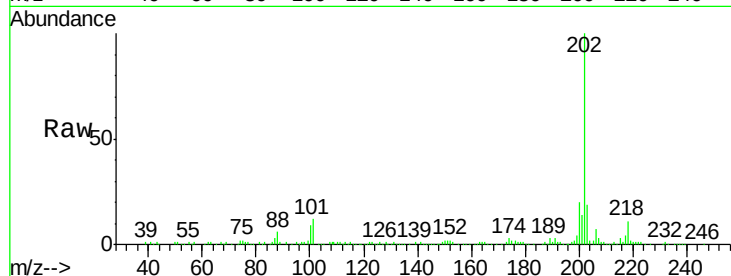
Tgt Ion: 202 Resp: 140809

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

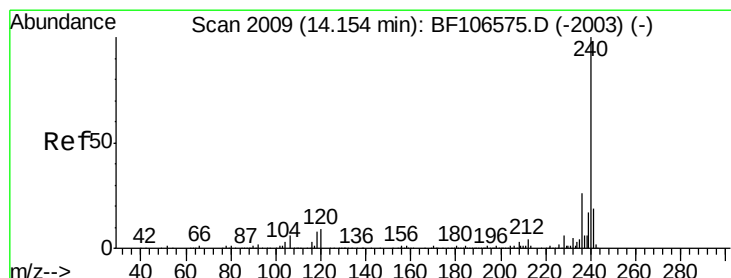
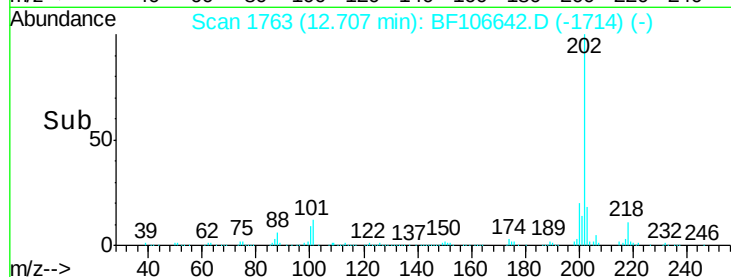
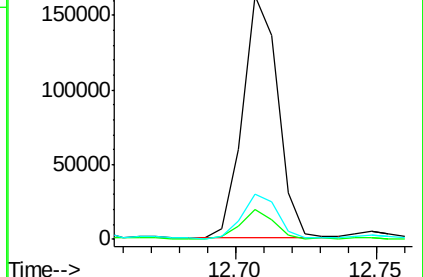
203 18.7 0.0 38.1



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. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

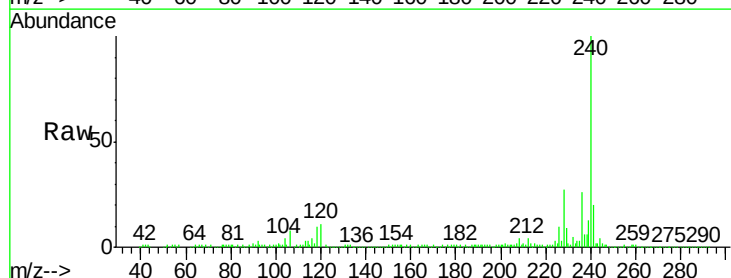
Tgt Ion: 240 Resp: 257277

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

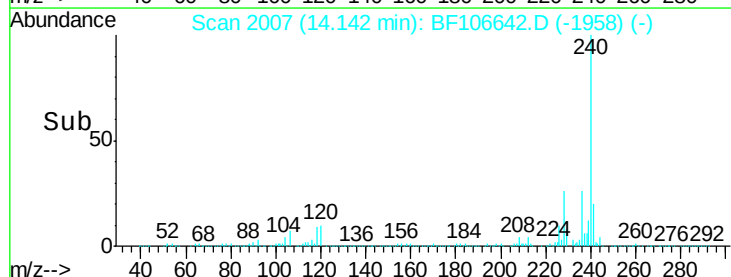
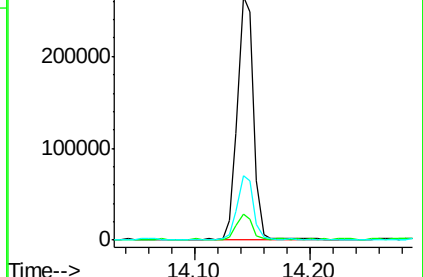
236 26.4 20.7 31.1

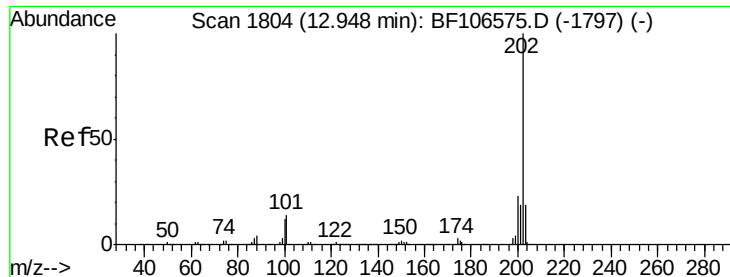


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.778 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

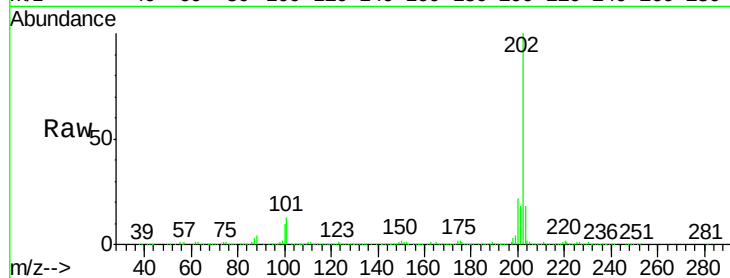
Tgt Ion:202 Resp: 318585

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

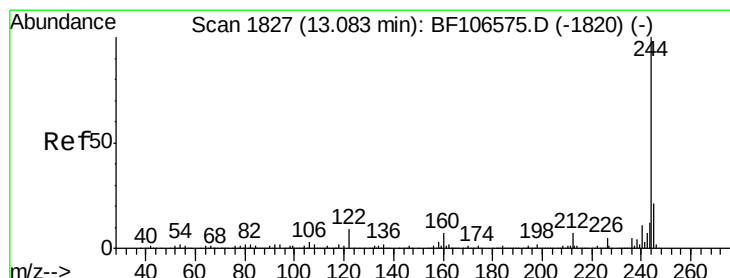
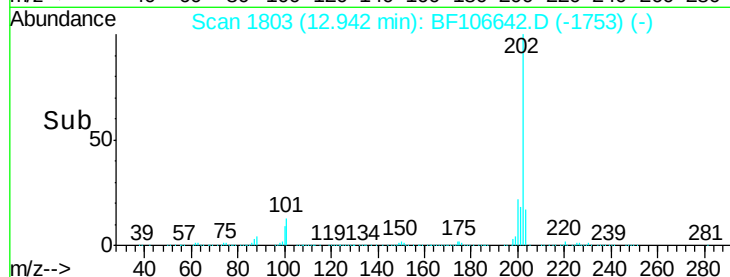
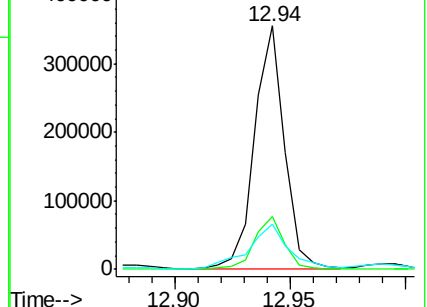
203 18.4 14.3 21.5



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: 14.262 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

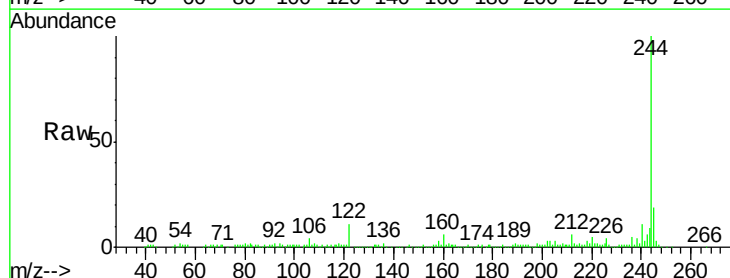
Tgt Ion:244 Resp: 151483

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

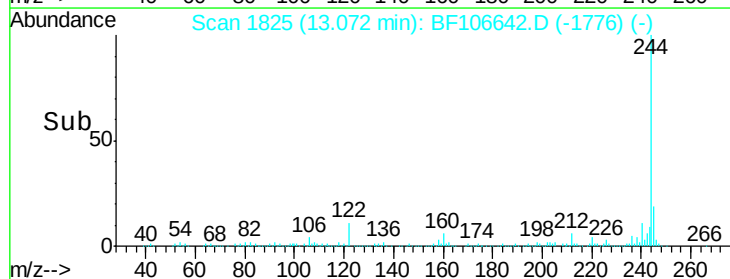
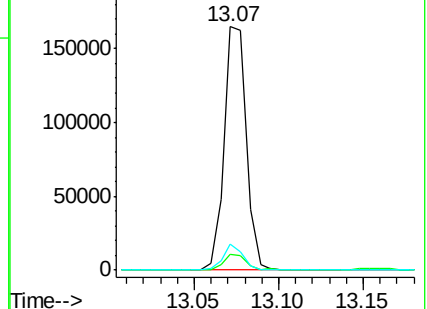
122 10.7 11.0 16.4#

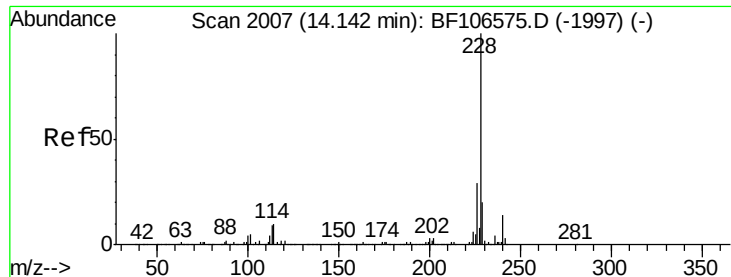


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

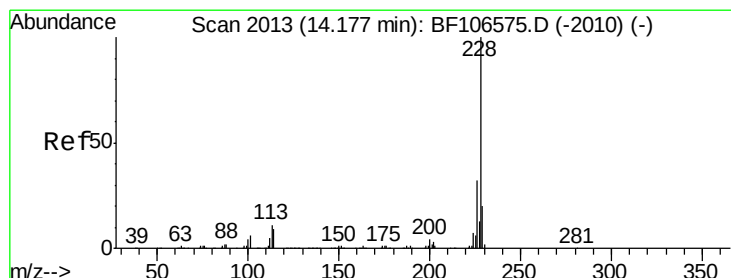
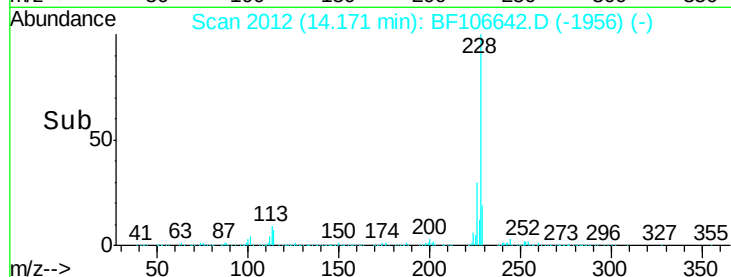
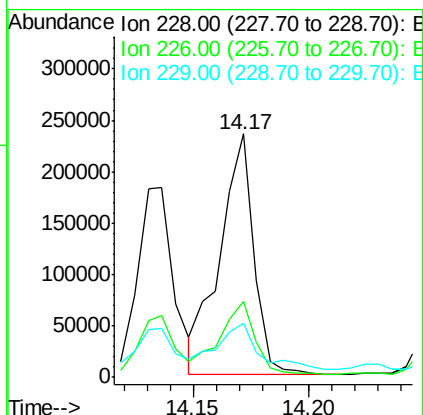
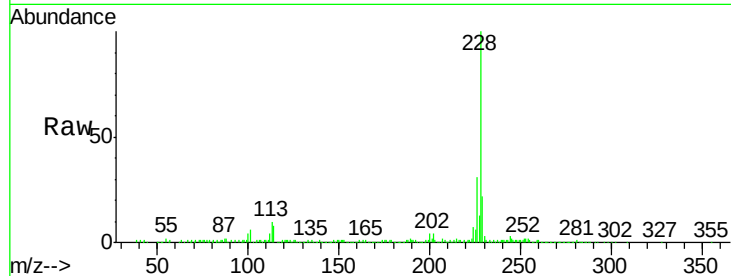




#80
Benzo(a)anthracene
Concen: 15.228 ng
RT: 14.17 min Scan# 2012
Delta R.T. 0.03 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

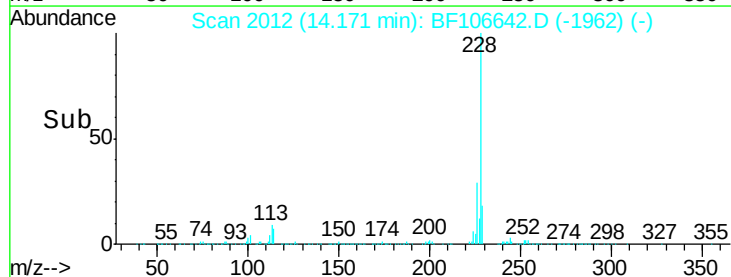
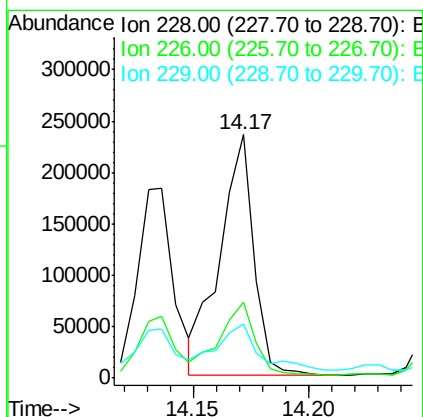
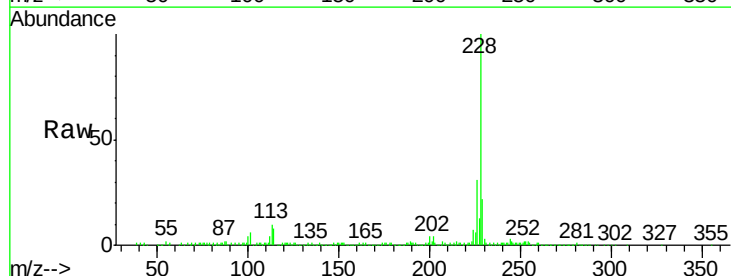
Instrument :
BNA_F
ClientSampleId :
TP-12

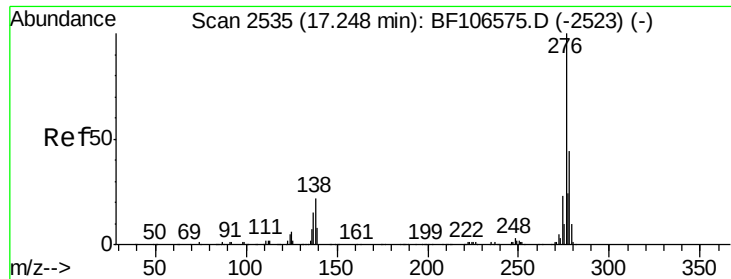
Tgt Ion:228 Resp: 238784
Ion Ratio Lower Upper
228 100
226 31.1 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 16.553 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106642.D
Acq: 21 Jun 2018 1:30

Tgt Ion:228 Resp: 238784
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.3 16.2 24.4

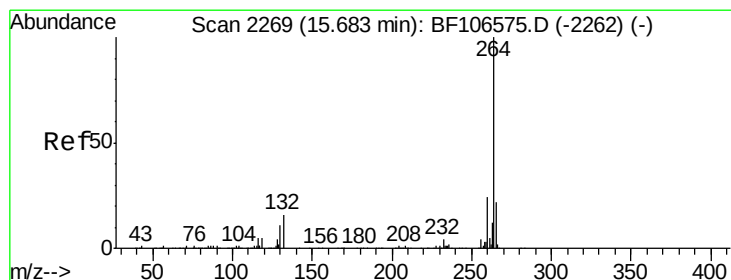
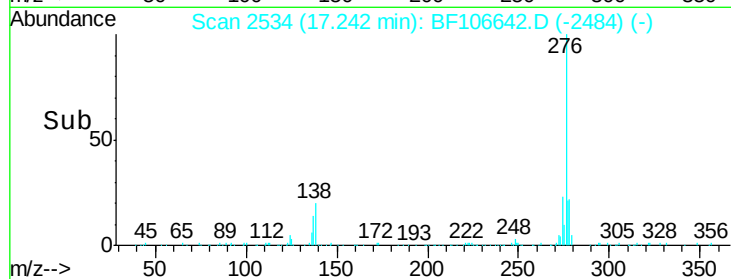
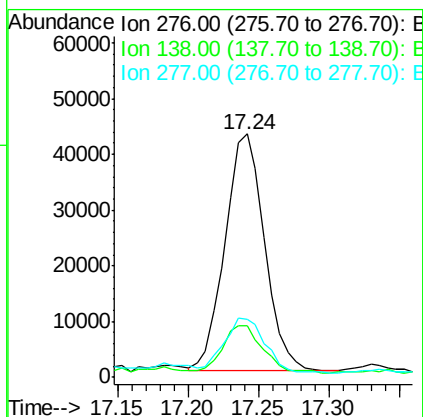
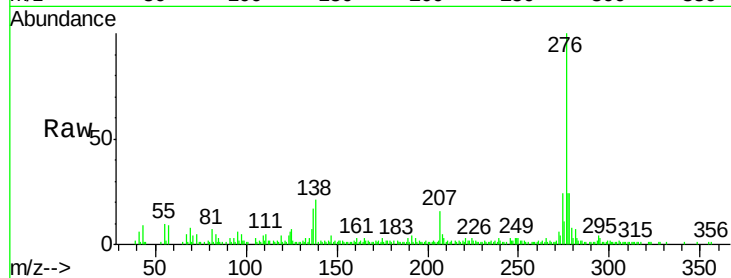




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.785 ng
 RT: 17.24 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF106642.D
 Acq: 21 Jun 2018 1:30

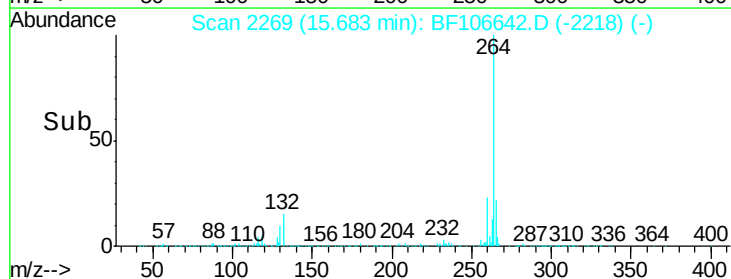
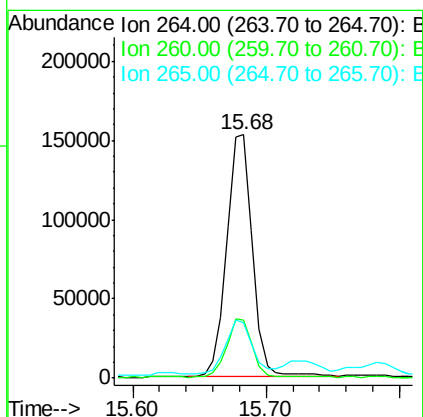
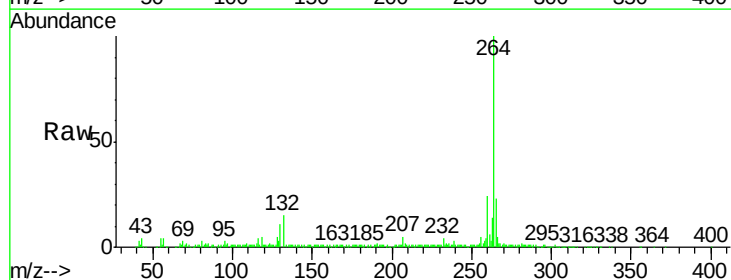
Instrument :
 BNA_F
 ClientSampleId :
 TP-12

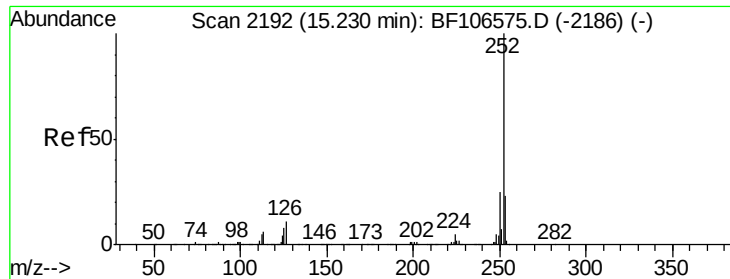
Tgt Ion: 276 Resp: 83061
 Ion Ratio Lower Upper
 276 100
 138 20.5 25.0 37.6#
 277 24.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF106642.D
 Acq: 21 Jun 2018 1:30

Tgt Ion: 264 Resp: 209019
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 20.444 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

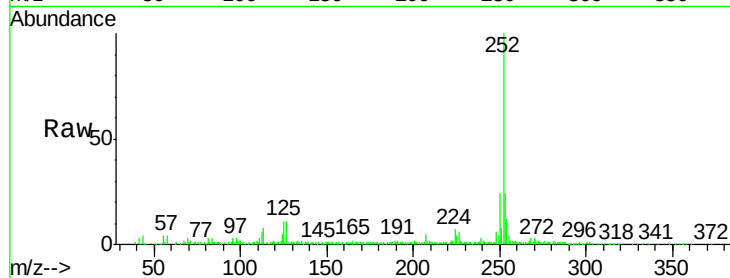
Tgt Ion:252 Resp: 265444

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

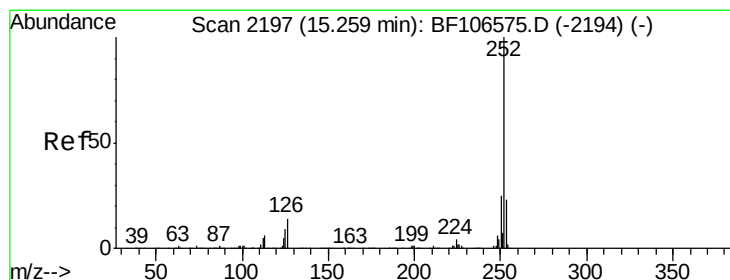
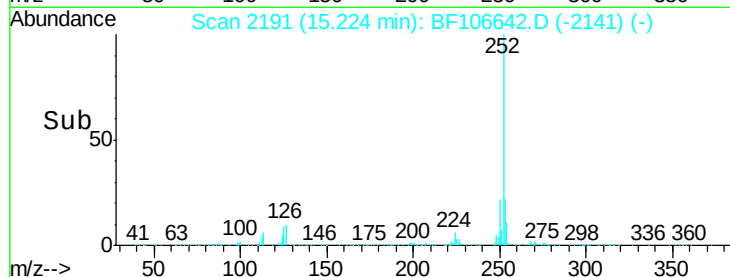
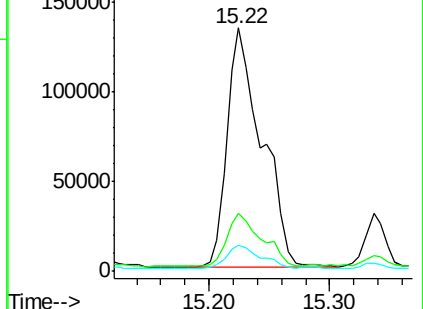
125 10.5 9.0 13.6



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: 21.468 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

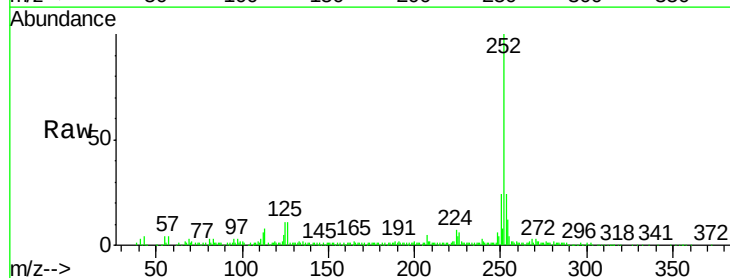
Tgt Ion:252 Resp: 265444

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

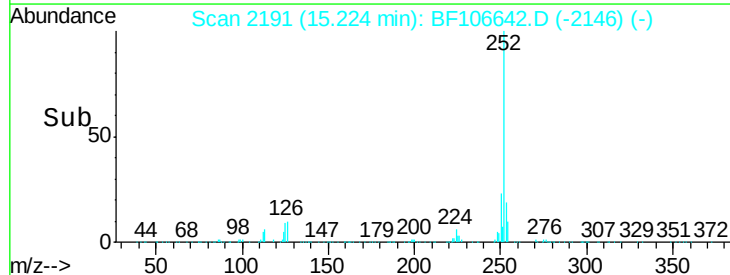
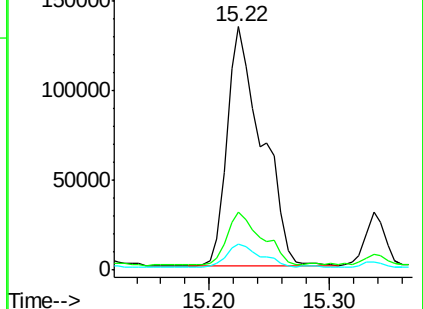
125 10.5 10.2 15.2

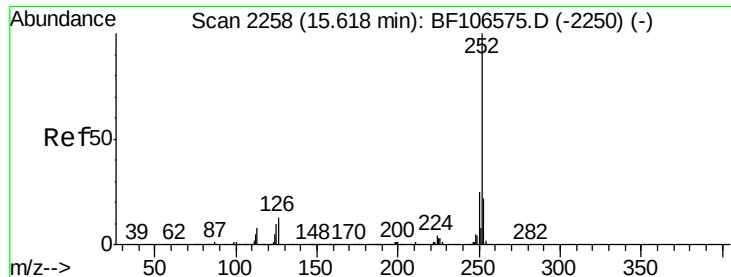


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.385 ng

RT: 15.55 min Scan# 2246

Delta R.T. -0.07 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

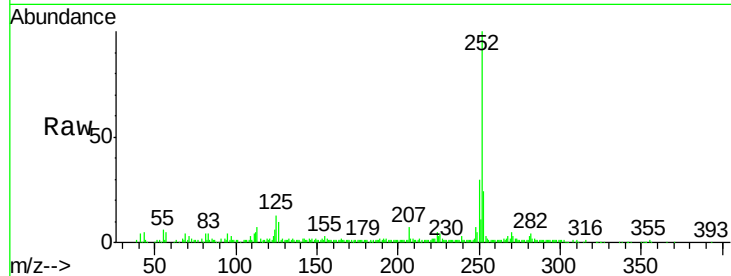
Instrument :

BNA_F

ClientSampleId :

TP-12

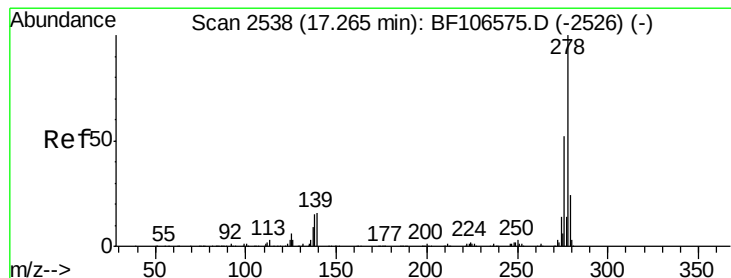
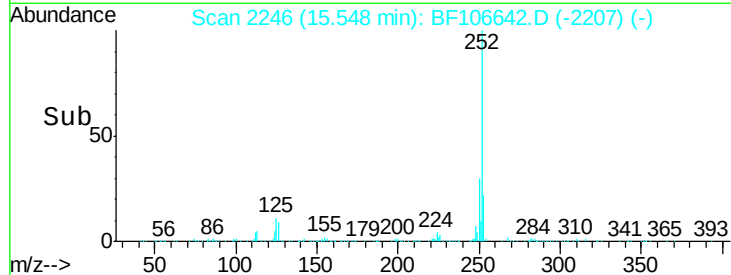
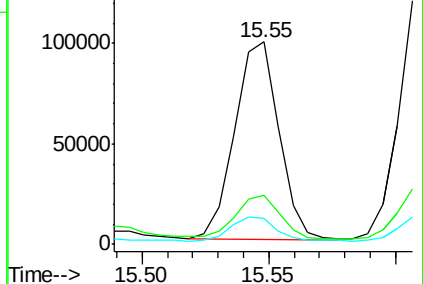
Tgt Ion:	252	Resp:	119867
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	12.6	9.8	14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.504 ng

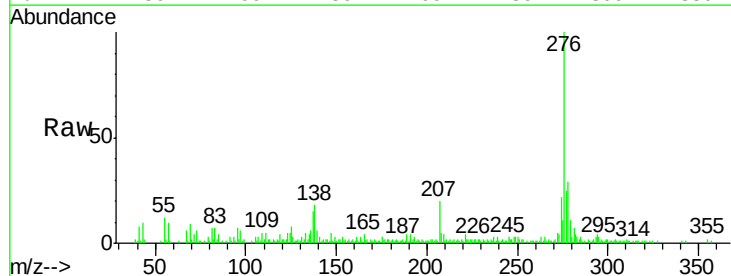
RT: 17.25 min Scan# 2535

Delta R.T. -0.02 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

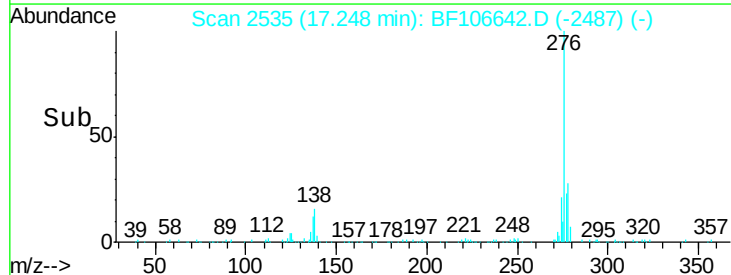
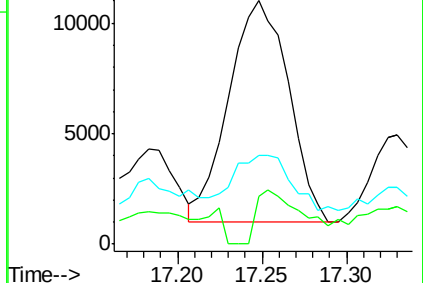
Tgt Ion:	278	Resp:	24496
Ion Ratio	Lower	Upper	
278	100		
139	19.8	15.9	23.9
279	36.3	19.0	28.4#

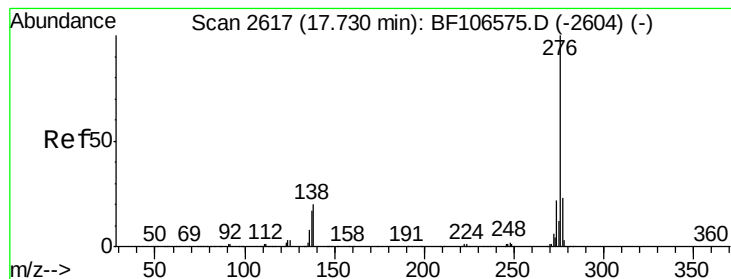


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.017 ng

RT: 17.97 min Scan# 2658

Delta R.T. 0.24 min

Lab File: BF106642.D

Acq: 21 Jun 2018 1:30

Instrument :

BNA_F

ClientSampleId :

TP-12

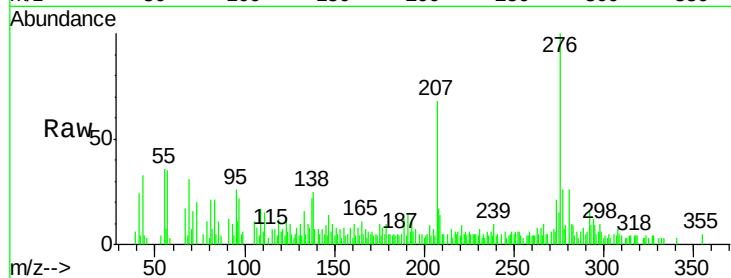
Tgt Ion: 276 Resp: 19287

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 25.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

