

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106721.D
 Acq On : 22 Jun 2018 21:02
 Operator : JU/SJ
 Sample : J3252-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 22:24:38 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 22 11:34:03 2018
 Response via : Initial Calibration

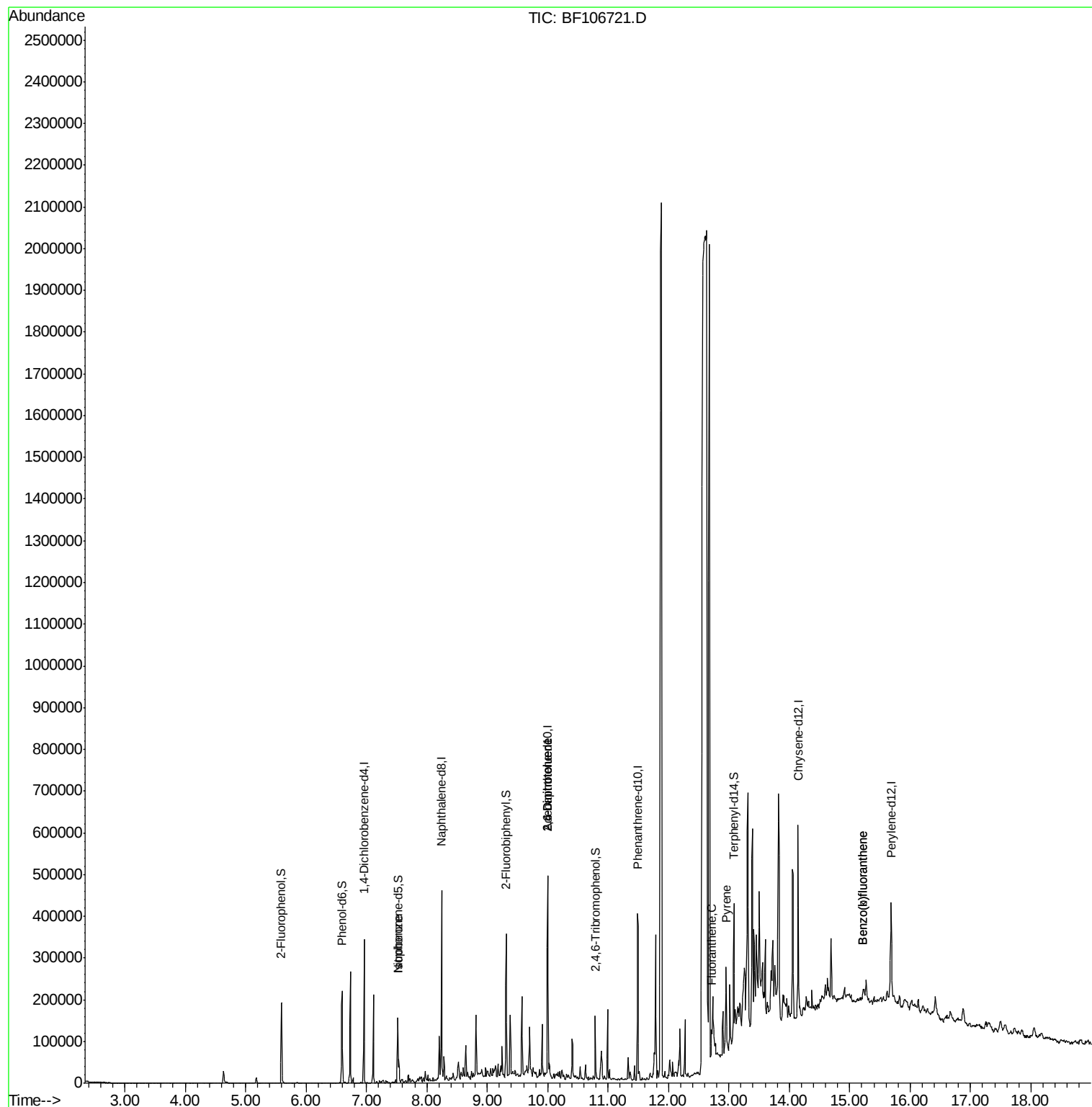
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	49688	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	191546	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	88458	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	155356	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	151733	20.00	ng	0.00
86) Perylene-d12	15.69	264	115462	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	58968	20.10	ng	0.00
7) Phenol-d6	6.60	99	75852	20.70	ng	-0.01
23) Nitrobenzene-d5	7.52	82	45772	13.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	18307	17.86	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	94788	4.10	ng	-0.01
78) Terphenyl-d14	13.08	244	97770	15.61	ng	0.00
Target Compounds						
25) Isophorone	7.52	82	45771	7.536	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	11841	8.429	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	11841	6.457	ng	# 21
74) Fluoranthene	12.71	202	18995	2.300	ng	98
77) Pyrene	12.95	202	23723	2.371	ng	97
87) Benzo(b)fluoranthene	15.22	252	15424	2.150	ng	# 71
88) Benzo(k)fluoranthene	15.22	252	15424	2.258	ng	# 75

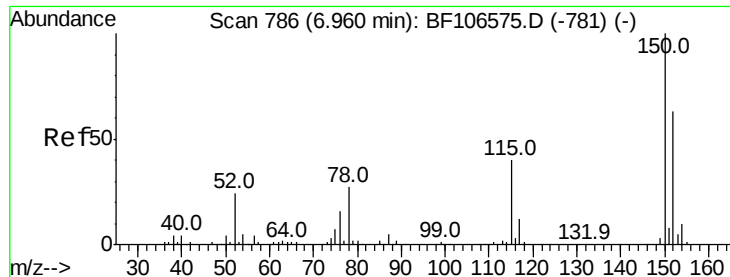
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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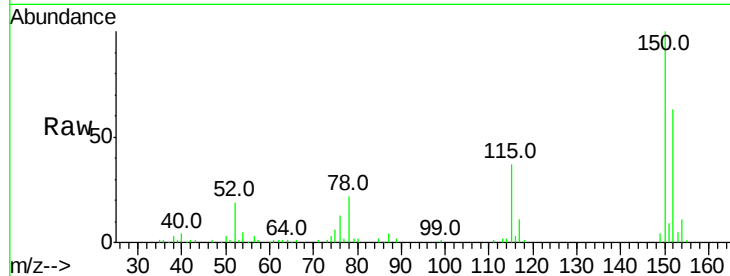


#1

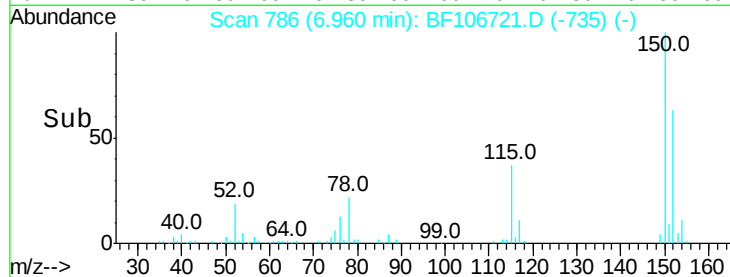
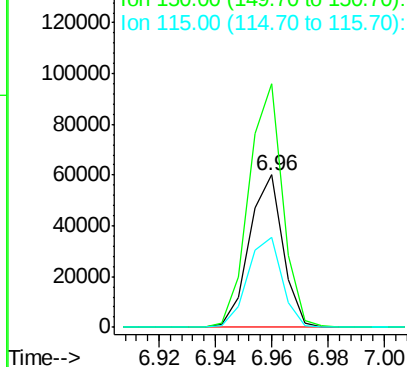
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 49688
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 59.2 50.1 75.1



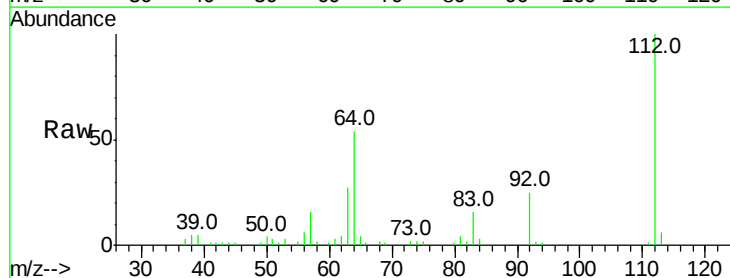
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



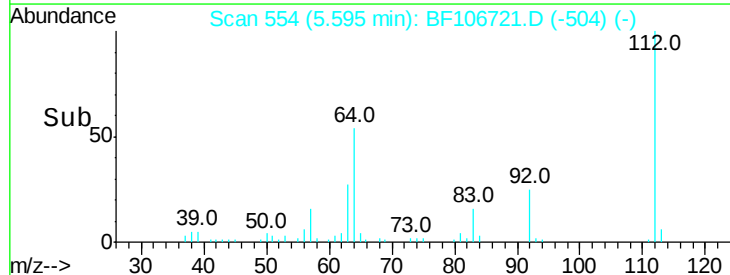
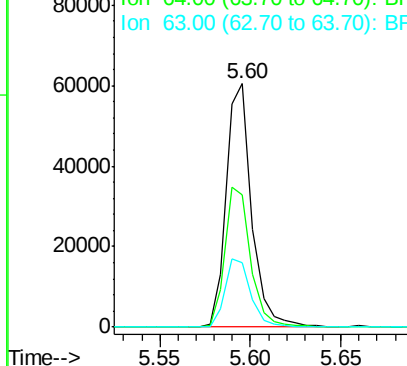
#5

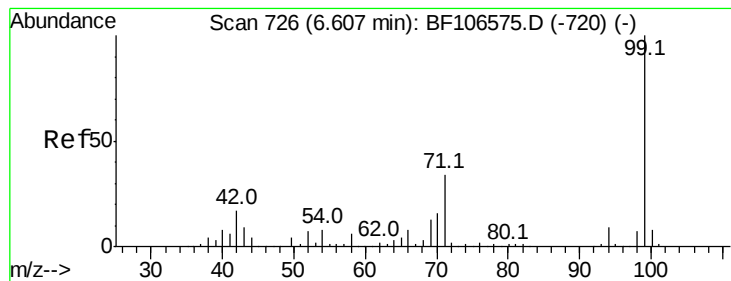
2-Fluorophenol
Concen: 20.096 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Tgt Ion:112 Resp: 58968
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 26.6 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: 20.699 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

Instrument :

BNA_F

ClientSampled :

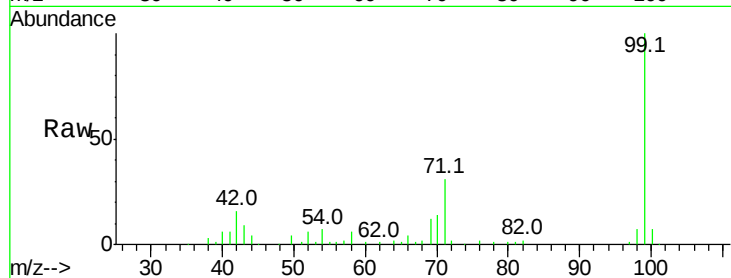
Tot Ion: 99 Resp: 75852

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

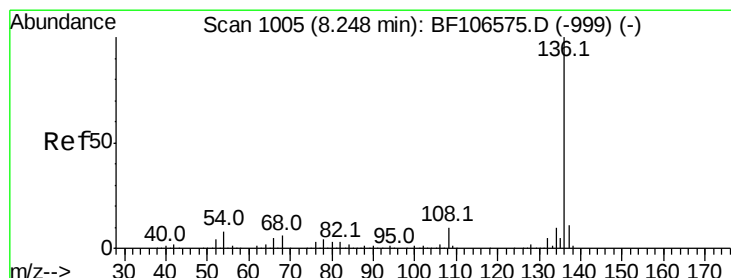
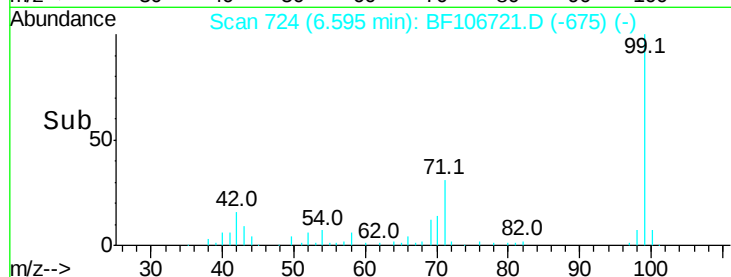
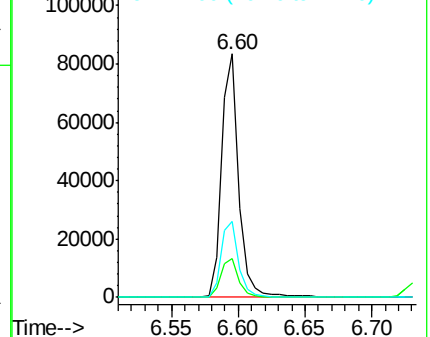
71 31.3 25.4 38.0



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: BF106721.D

Acq: 22 Jun 2018 21:02

Tgt Ion: 136 Resp: 191546

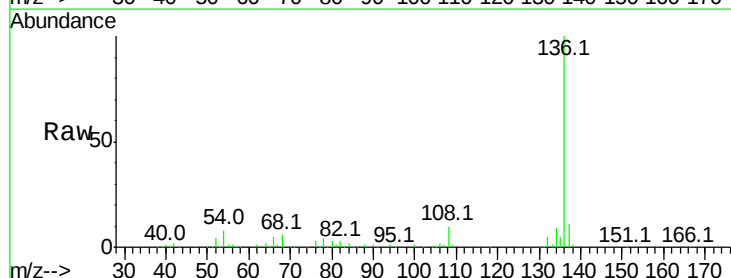
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 6.6 9.8

68 6.0 5.0 7.4

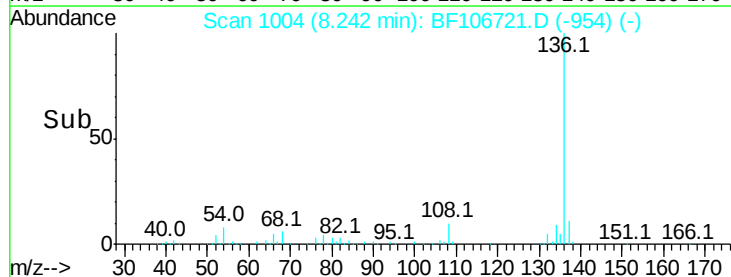
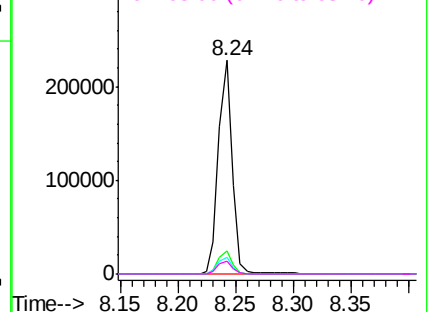


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.280 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

Instrument :

BNA_F

ClientSampleId :

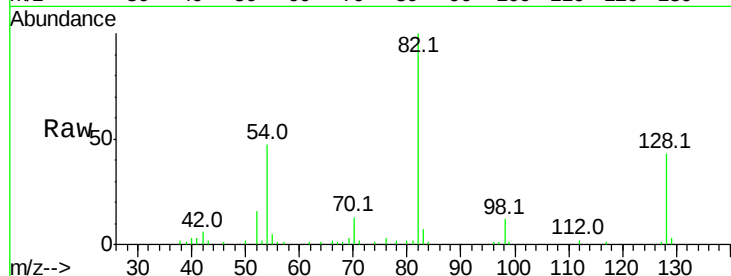
Tot Ion: 82 Resp: 45772

Ion Ratio Lower Upper

82 100

128 42.9 36.1 54.1

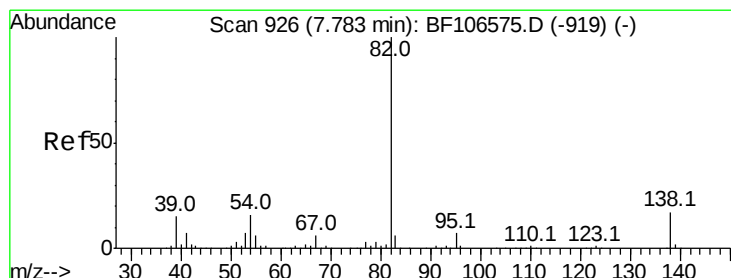
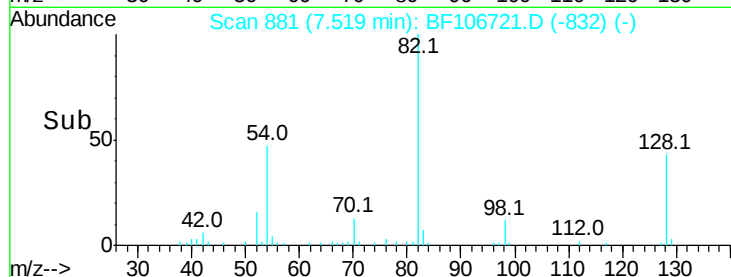
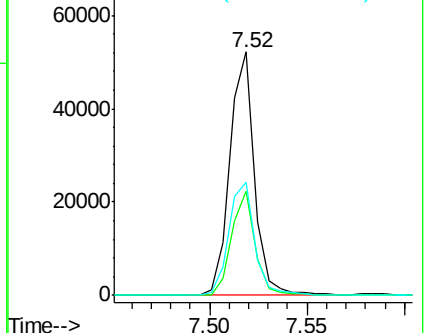
54 46.6 41.4 62.2



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: 7.536 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

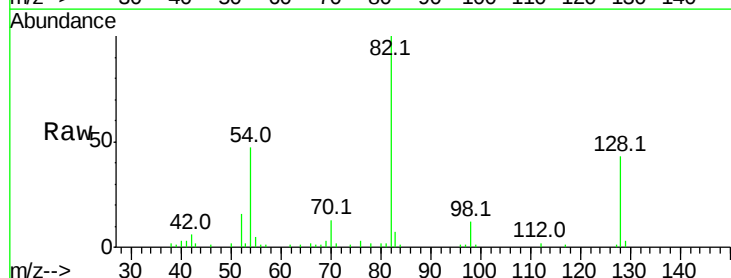
Tgt Ion: 82 Resp: 45771

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

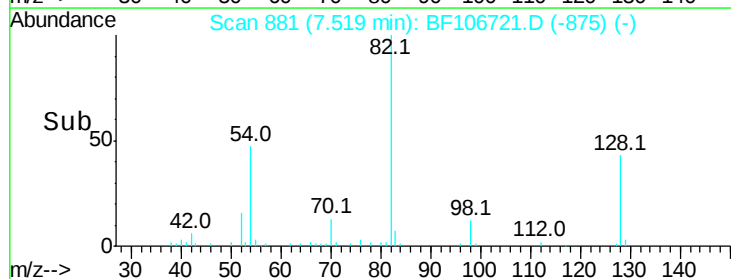
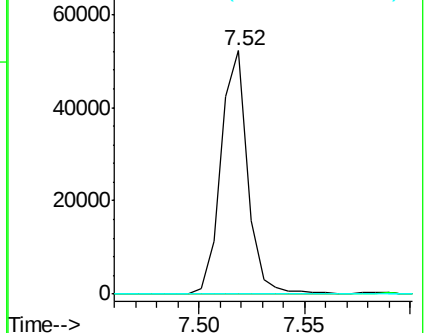
138 0.0 14.9 22.3#

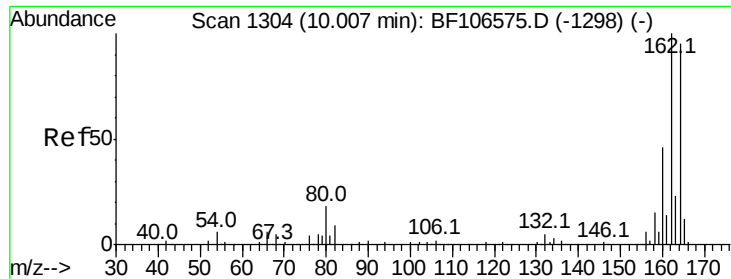


Abundance Ion 82.00 (81.70 to 82.70): BF1

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# 1303

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

Instrument :

BNA_F

ClientSampleId :

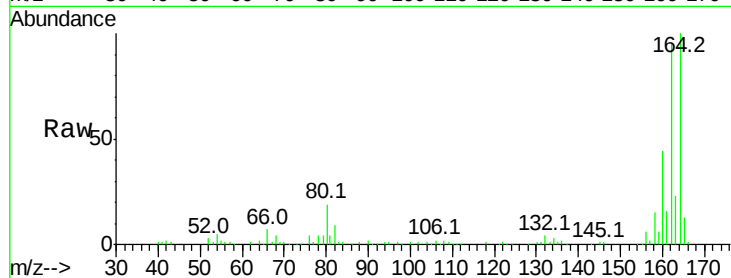
Tot Ion:164 Resp: 88458

Ion Ratio Lower Upper

164 100

162 95.0 86.1 129.1

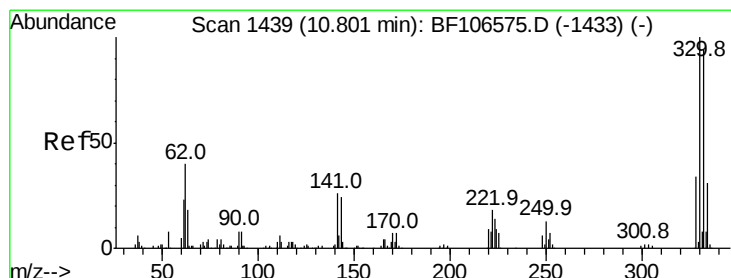
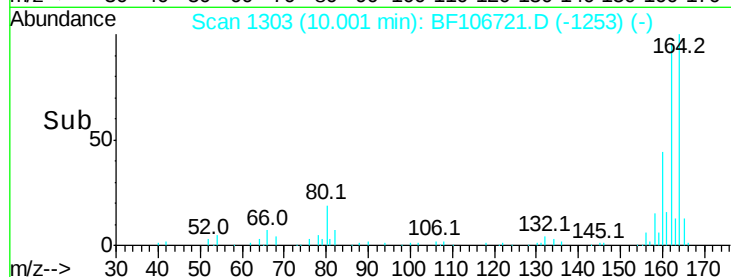
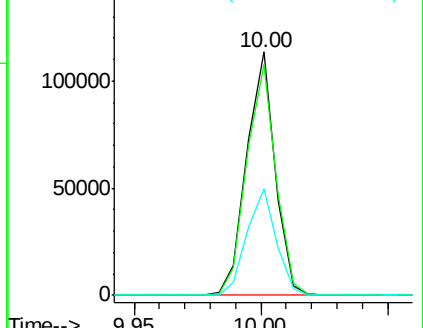
160 43.7 38.3 57.5



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: 17.856 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

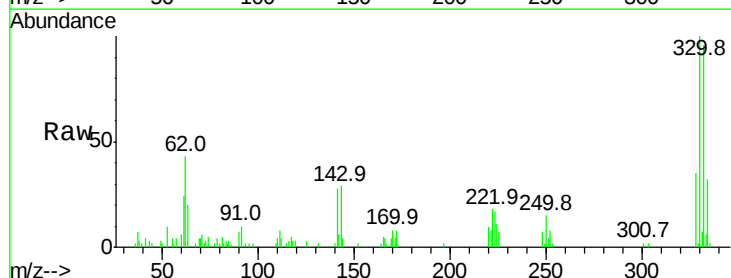
Tgt Ion:330 Resp: 18307

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

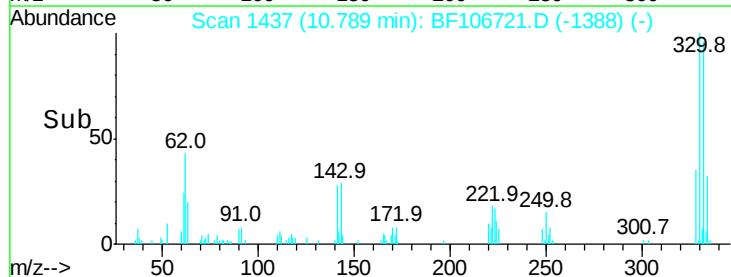
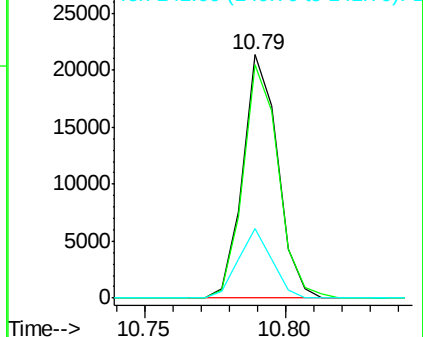
141 27.1 29.9 44.9#

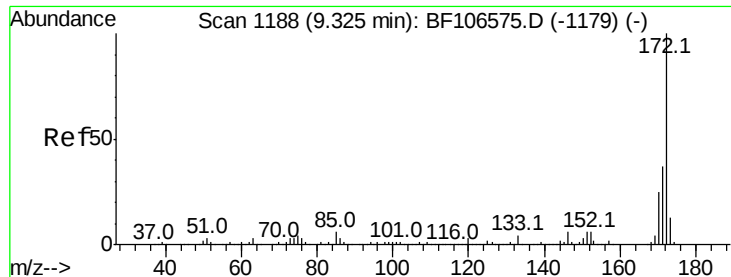


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

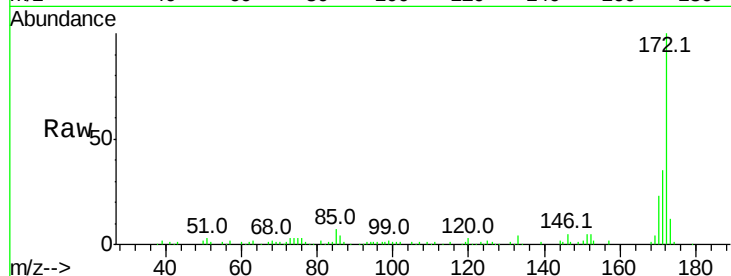




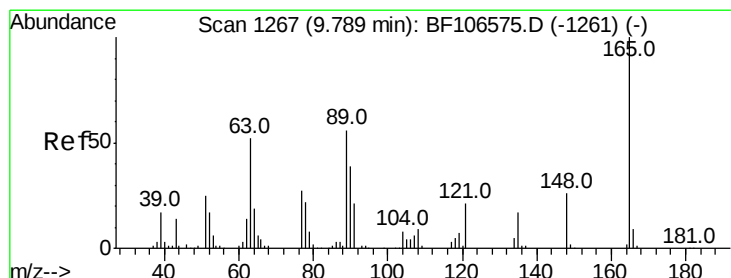
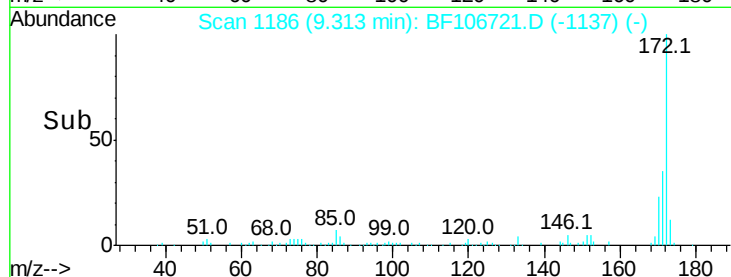
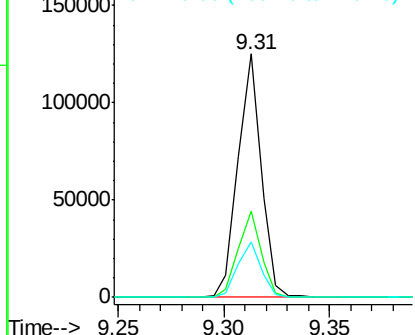
#44
 2-Fluorobiphenyl
 Concen: 4.097 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106721.D
 Acq: 22 Jun 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 94788
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 22.7 19.6 29.4

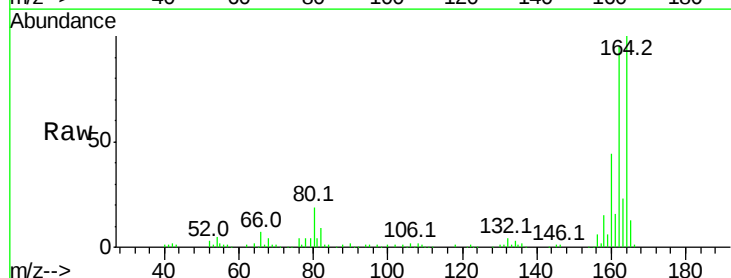


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

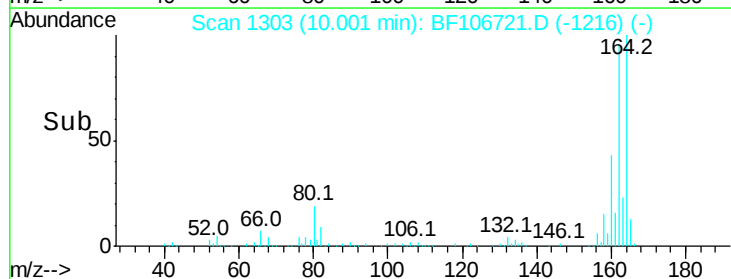
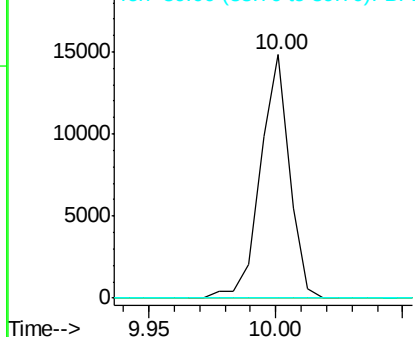


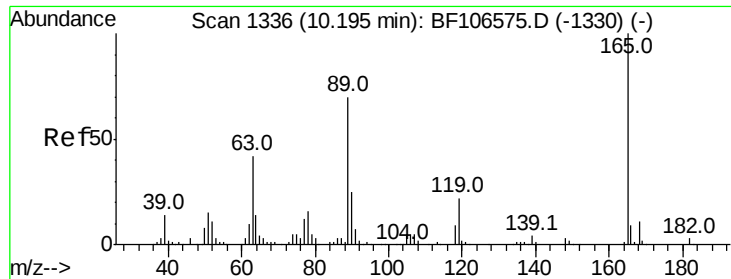
#50
 2,6-Dinitrotoluene
 Concen: 8.429 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106721.D
 Acq: 22 Jun 2018 21:02

Tgt Ion:165 Resp: 11841
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 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

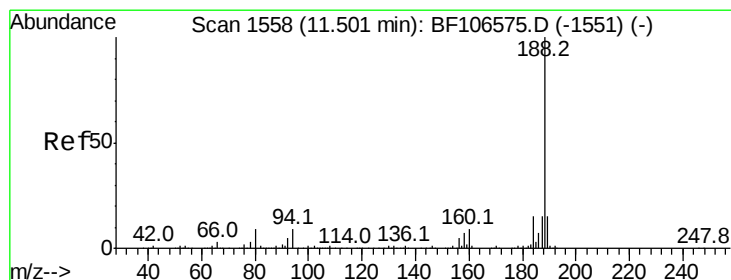
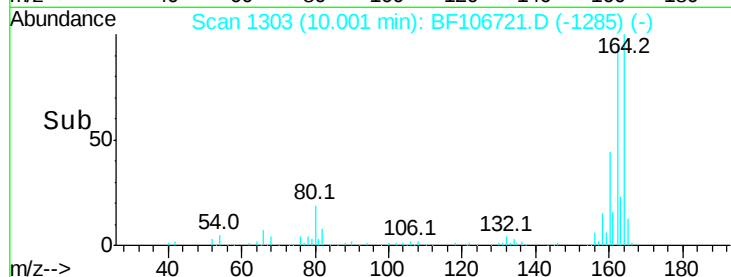
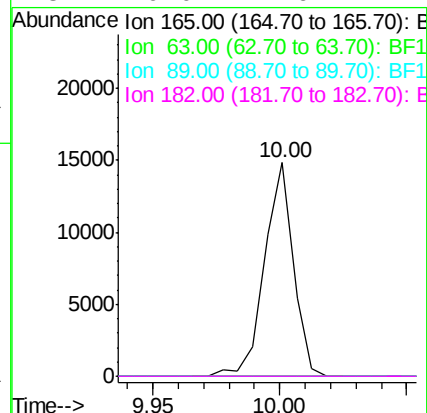
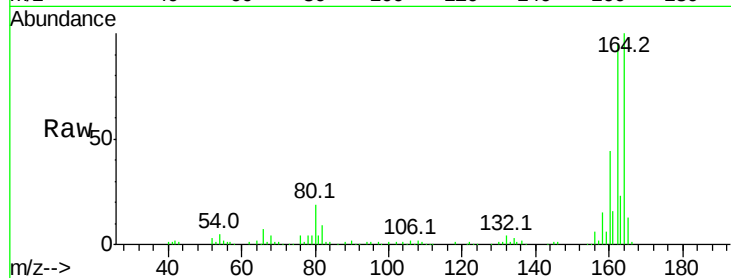




#56
2,4-Dinitrotoluene
Concen: 6.457 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

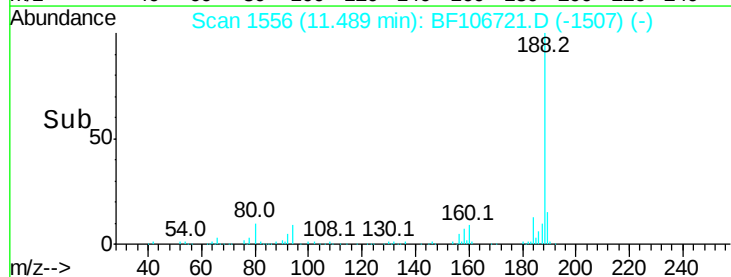
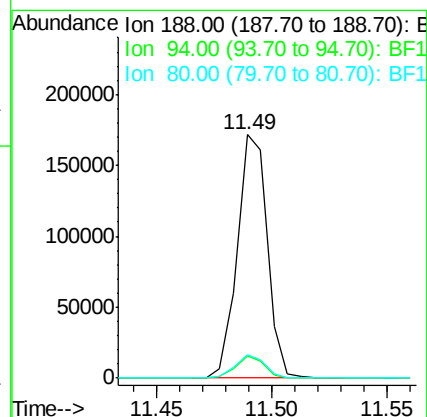
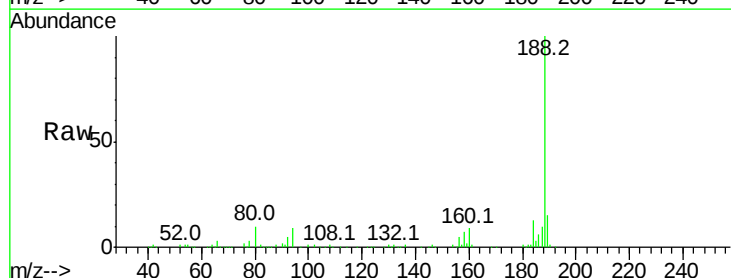
Instrument :
BNA_F
ClientSampleId :

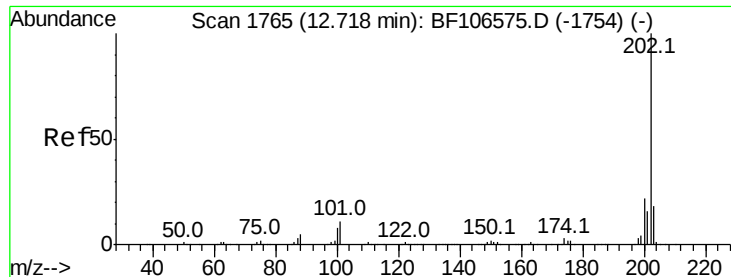
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.9	9.2	13.8





#74

Fluoranthene

Concen: 2.300 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

Instrument :

BNA_F

ClientSampleId :

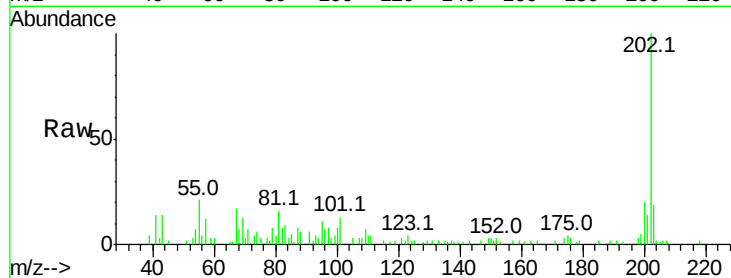
Tot Ion:202 Resp: 18995

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

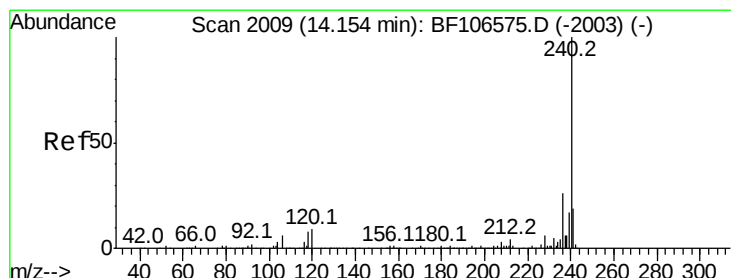
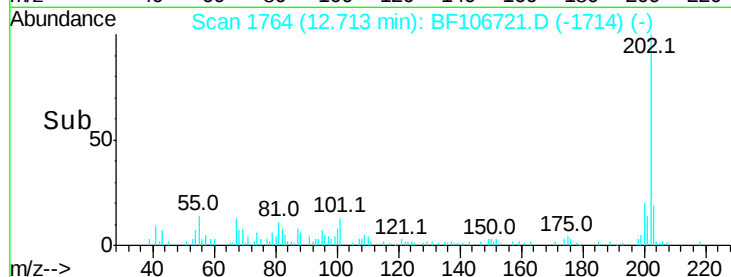
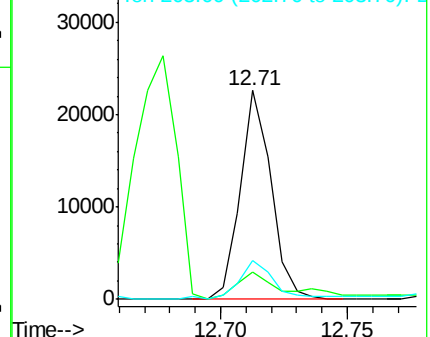
203 18.6 0.0 38.1



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# 2008

Delta R.T. -0.01 min

Lab File: BF106721.D

Acq: 22 Jun 2018 21:02

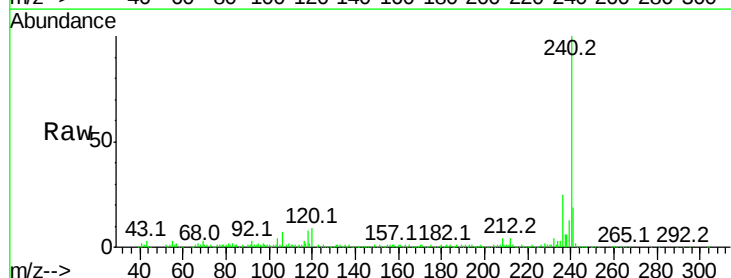
Tgt Ion:240 Resp: 151733

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

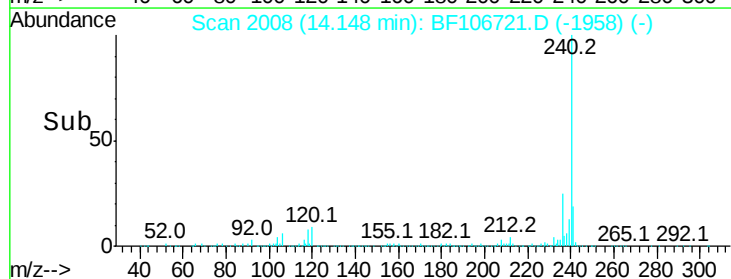
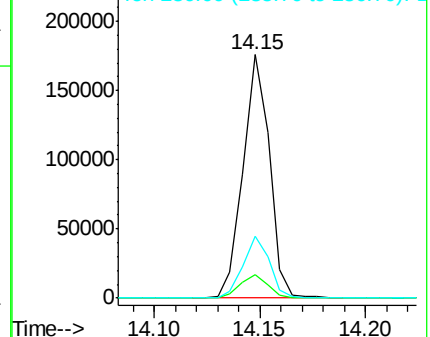
236 25.1 20.7 31.1

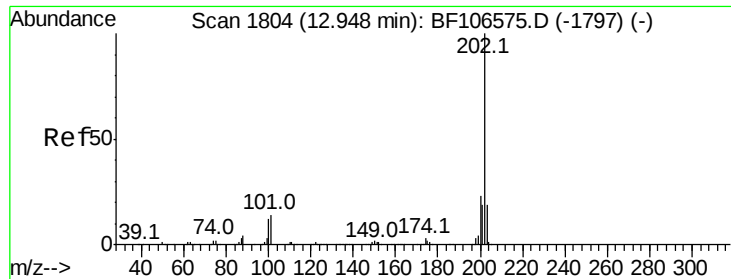


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

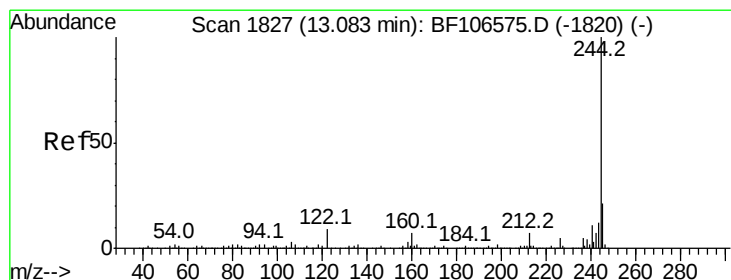
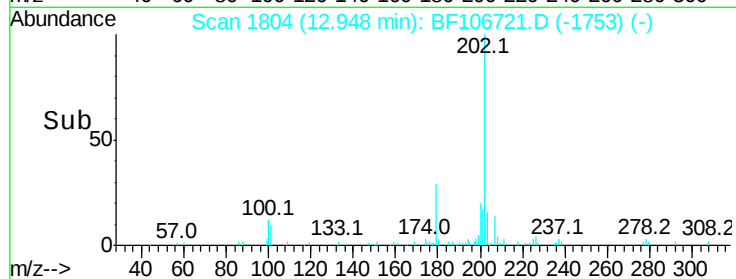
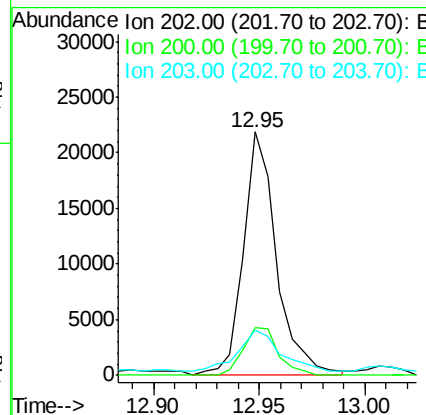
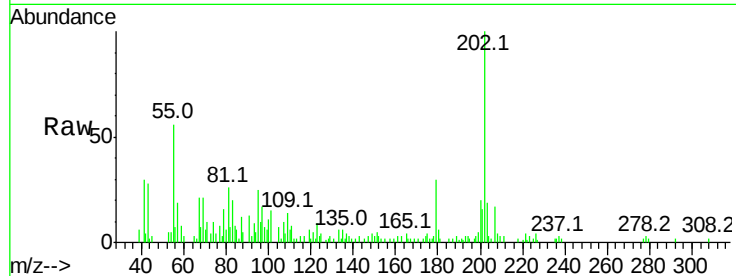




#77
Pvrene
Concen: 2.371 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

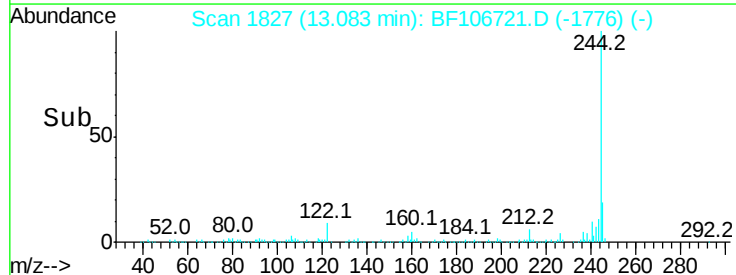
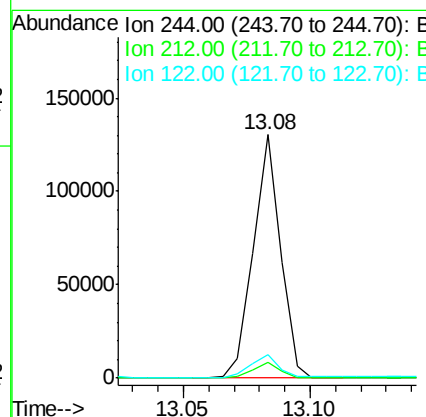
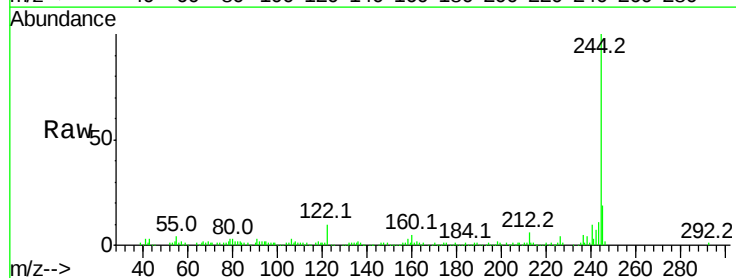
Instrument :
BNA_F
ClientSampleId :

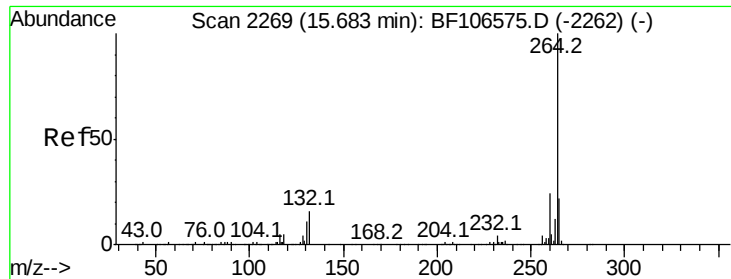
Tot Ion:202 Resp: 23723
Ion Ratio Lower Upper
202 100
200 19.6 17.4 26.2
203 18.7 14.3 21.5



#78
Terphenyl-d14
Concen: 15.608 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Tgt Ion:244 Resp: 97770
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.6 11.0 16.4#

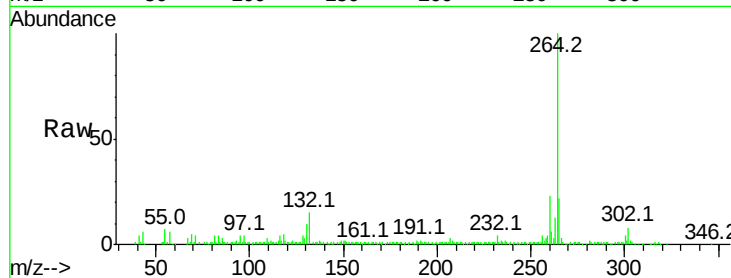




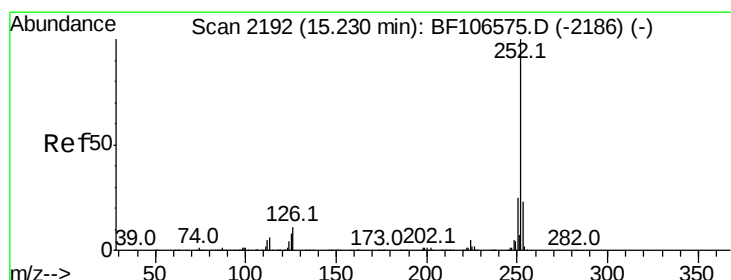
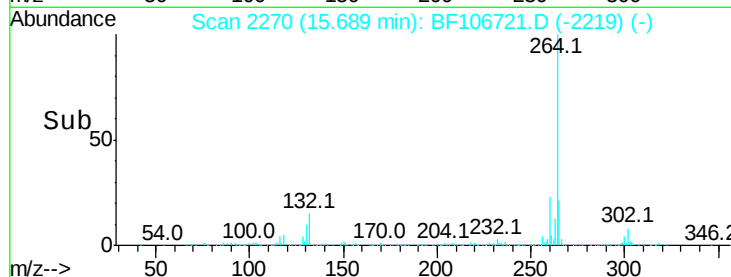
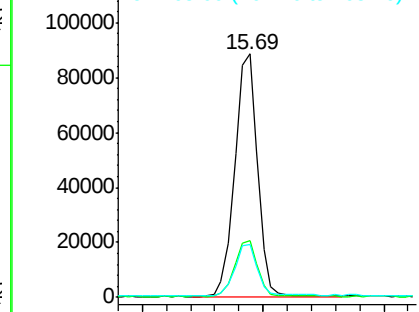
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 115462
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.8 17.5 26.3

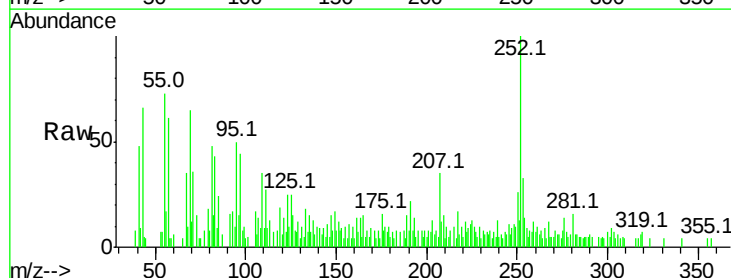


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

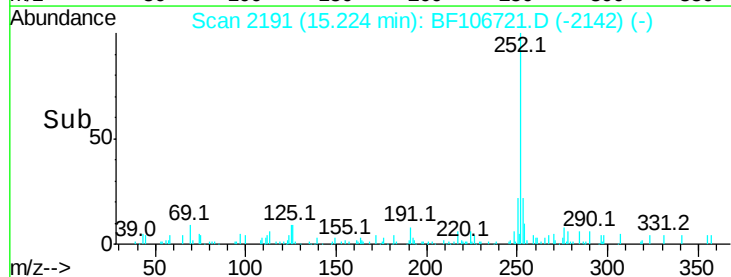
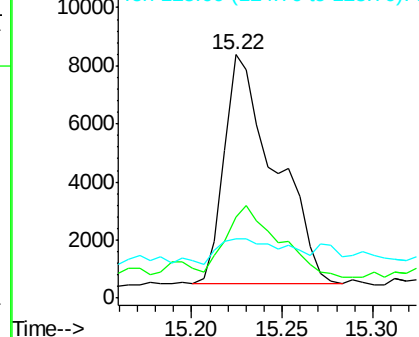


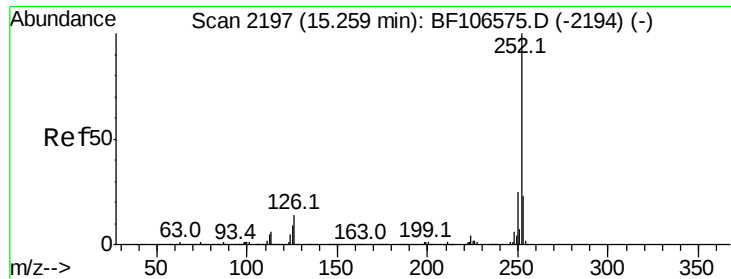
#87
Benzo(b)fluoranthene
Concen: 2.150 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106721.D
Acq: 22 Jun 2018 21:02

Tgt Ion:252 Resp: 15424
Ion Ratio Lower Upper
252 100
253 33.2 17.0 25.6#
125 24.6 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

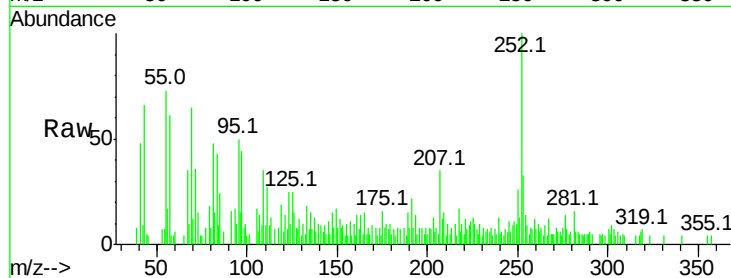




#88
 Benzo(k)fluoranthene
 Concen: 2.258 ng
 RT: 15.22 min Scan# 2191
 Delta R.T. -0.04 min
 Lab File: BF106721.D
 Acq: 22 Jun 2018 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 15424
 Ion Ratio Lower Upper
 252 100
 253 33.2 17.9 26.9#
 125 24.6 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

