

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104459.D
 Acq On : 12 Apr 2018 18:56
 Operator : JU/SJ
 Sample : J2162-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:16:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	116939	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	457269	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	189245	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	292259	20.00	ng	0.00
75) Chrysene-d12	13.99	240	233480	20.00	ng	0.00
86) Perylene-d12	15.45	264	189271	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	164415	21.50	ng	0.00
7) Phenol-d6	6.43	99	199713	21.25	ng	-0.01
23) Nitrobenzene-d5	7.37	82	110187	15.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	36550	18.62	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	213201	17.80	ng	0.00
78) Terphenyl-d14	12.93	244	161047	15.73	ng	0.00

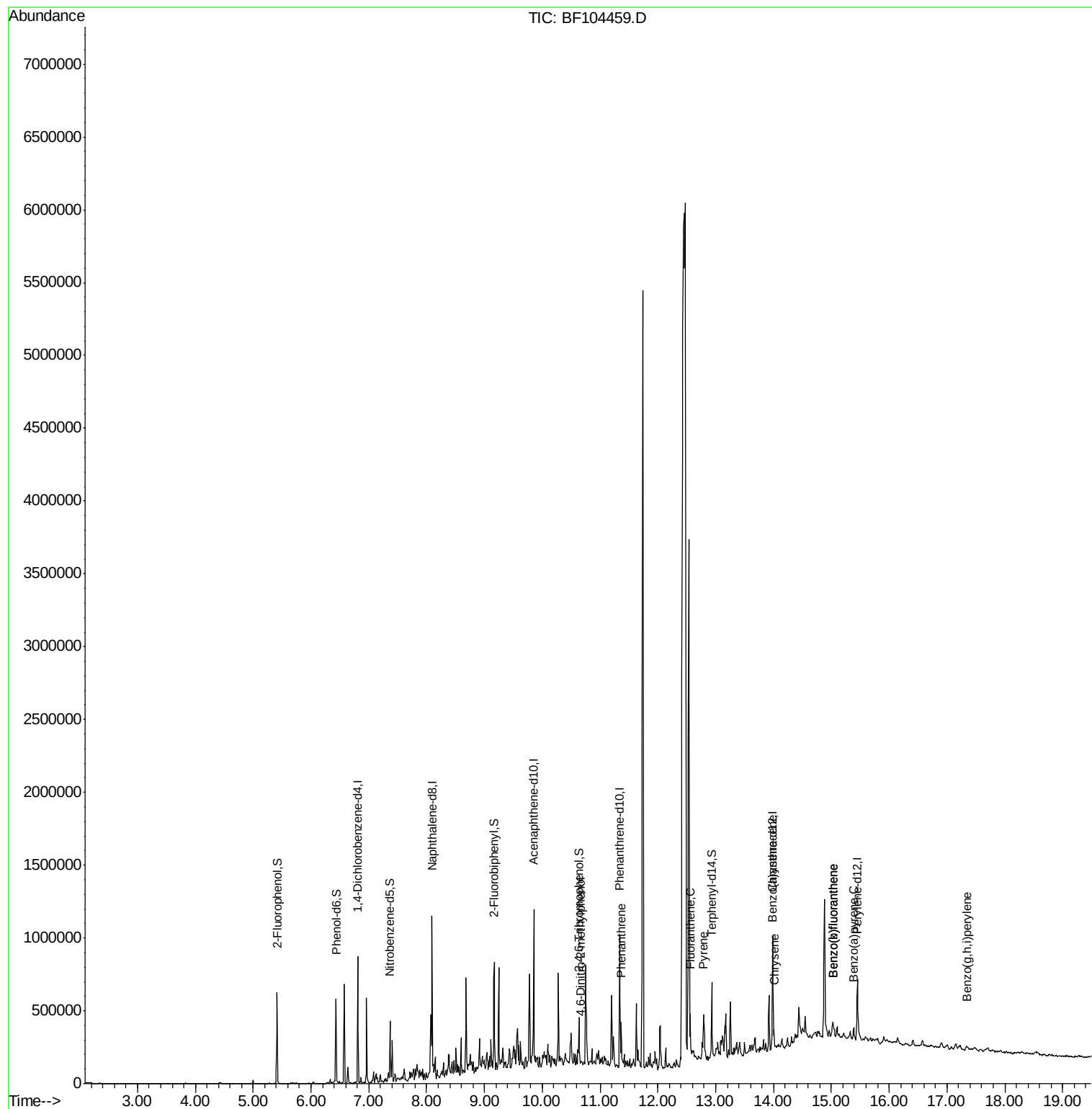
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	648	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.67	198	269	7.507	ng	# 1
70) Phenanthrene	11.36	178	97164	5.970	ng	99
74) Fluoranthene	12.56	202	107245	6.307	ng	98
76) Benzidine	12.66	184	227	Below Cal	#	1
77) Pyrene	12.79	202	121408	7.015	ng	97
80) Benzo(a)anthracene	13.97	228	53506	3.836	ng	92
82) Chrysene	14.01	228	47675	3.328	ng	98
87) Benzo(b)fluoranthene	15.03	252	64773	5.419	ng	# 89
88) Benzo(k)fluoranthene	15.03	252	64773	5.739	ng	# 92
89) Benzo(a)pyrene	15.39	252	39635	3.706	ng	# 89
91) Benzo(a,h,i)perylene	17.34	276	21147	2.485	ng	96

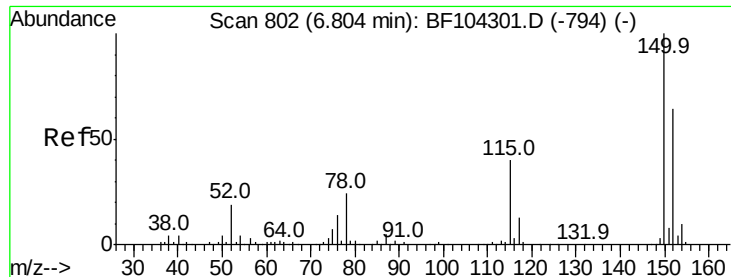
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104459.D
Acq On : 12 Apr 2018 18:56
Operator : JU/SJ
Sample : J2162-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 13 00:16:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 12 17:07:03 2018
Response via : Initial Calibration



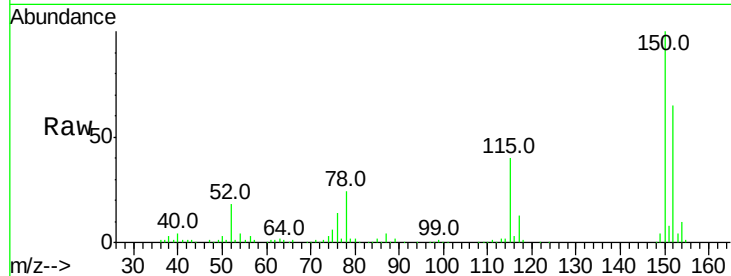


#1

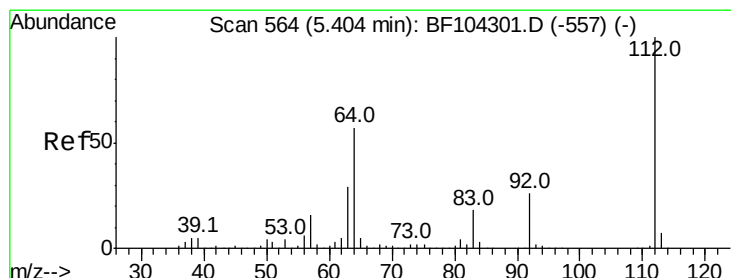
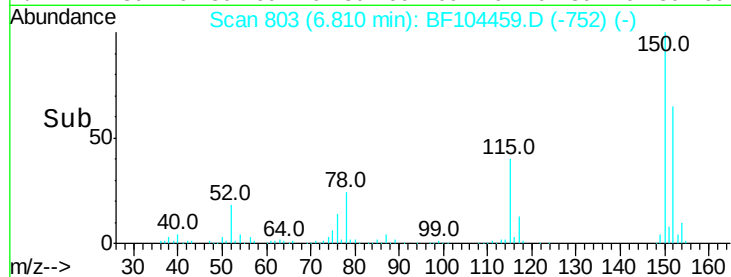
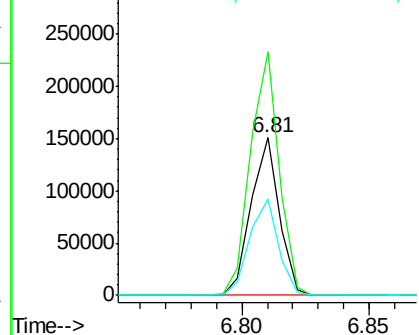
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116939
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.3 50.1 75.1



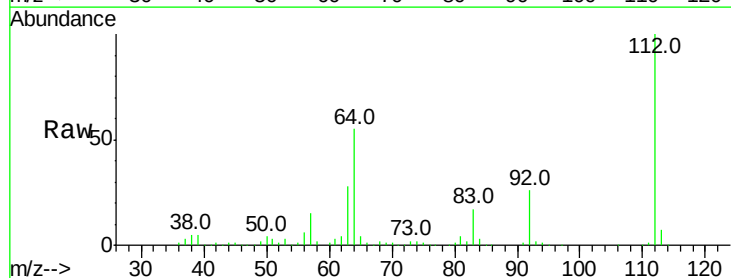
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



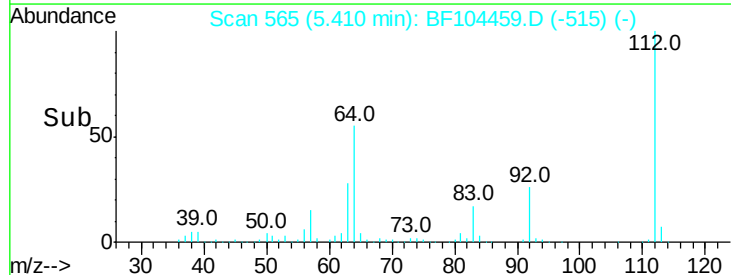
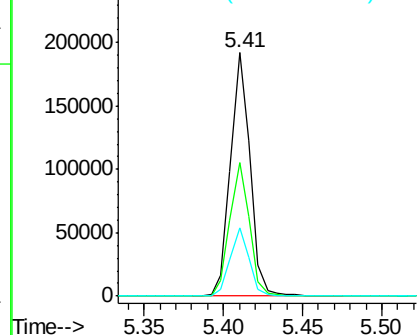
#5

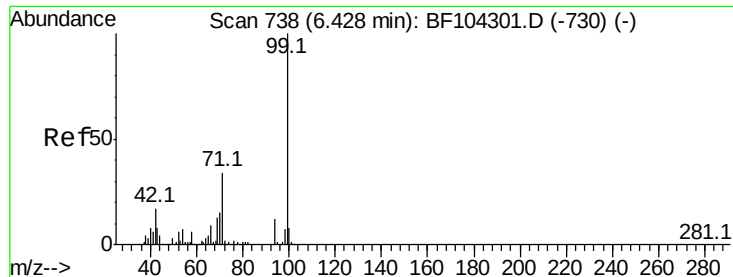
2-Fluorophenol
Concen: 21.498 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion:112 Resp: 164415
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.1 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: 21.254 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

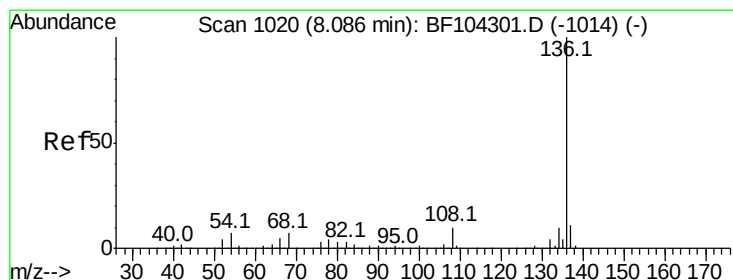
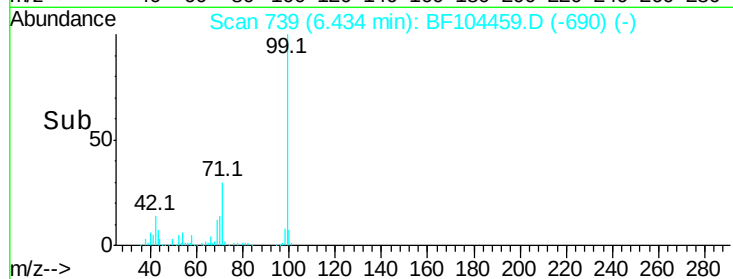
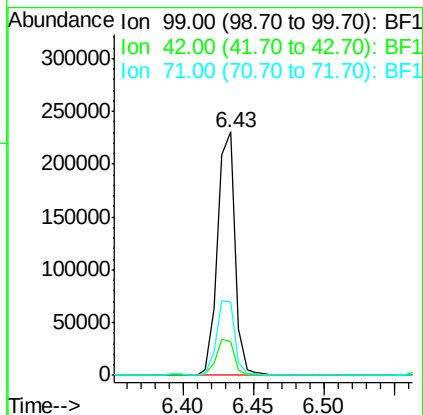
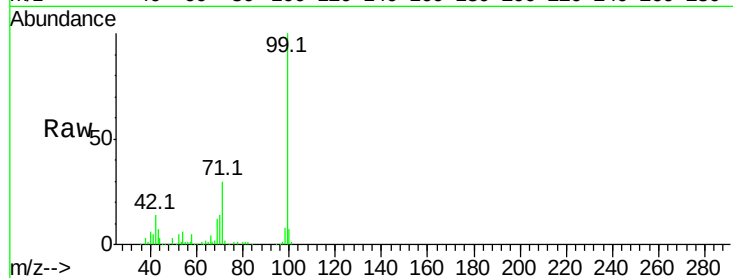
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 199713

Ion	Ratio	Lower	Upper
99	100		
42	13.8	14.5	21.7#
71	30.1	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

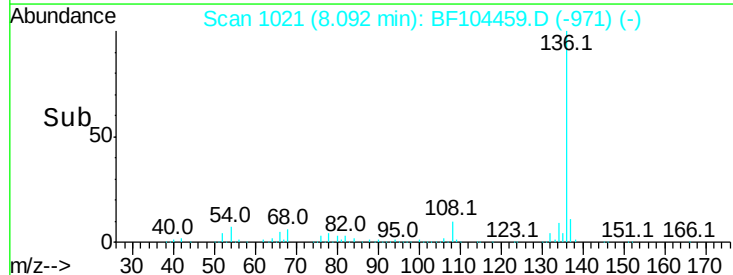
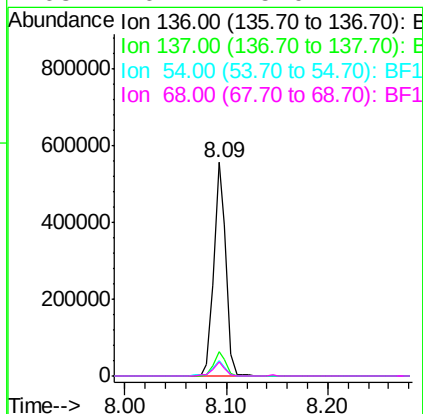
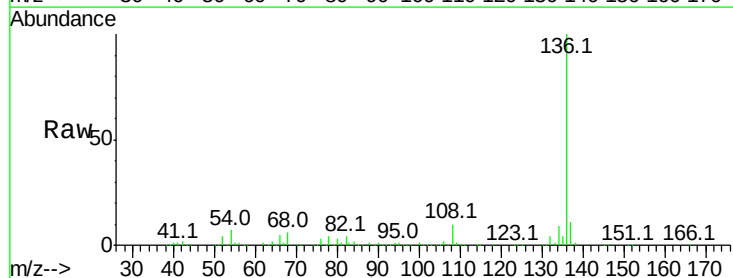
Delta R.T. -0.01 min

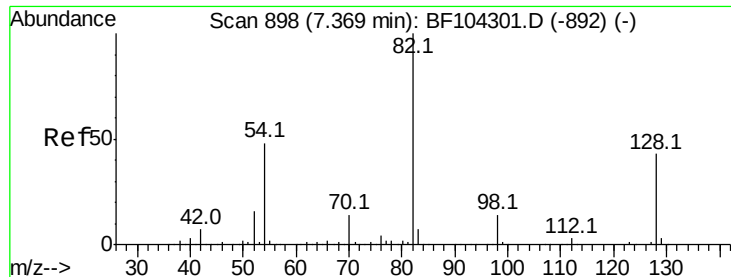
Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Tgt Ion: 136 Resp: 457269

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.4	5.0	7.4

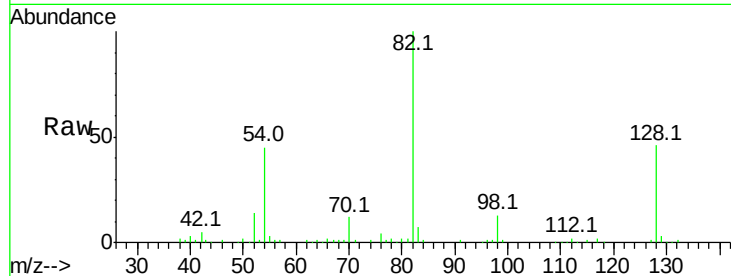




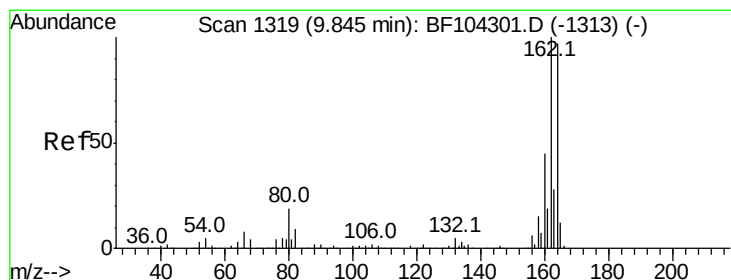
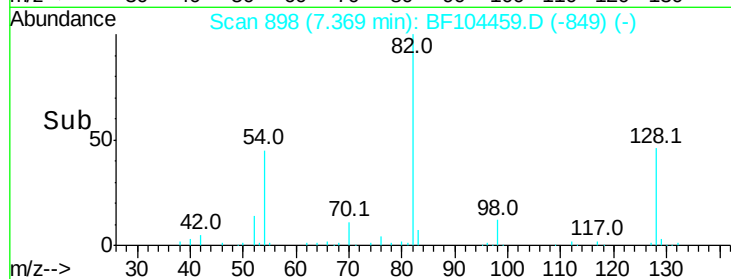
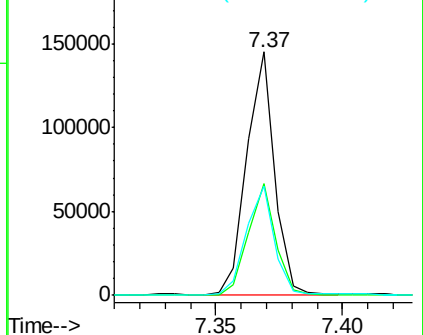
#23
Nitrobenzene-d5
Concen: 15.735 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	110187
Ion Ratio	100	Lower	Upper
128	46.2	36.1	54.1
54	45.1	41.4	62.2

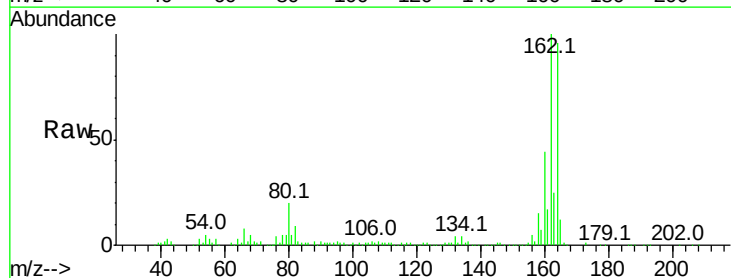


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

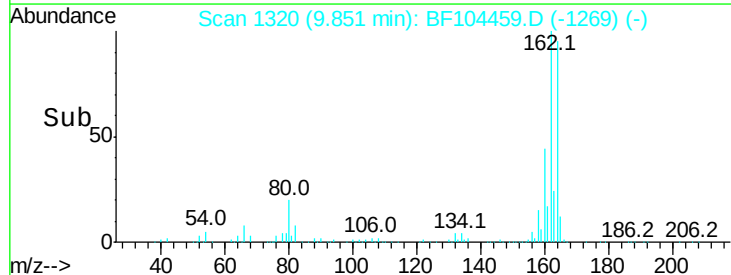
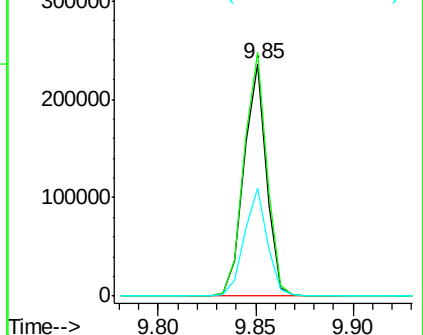


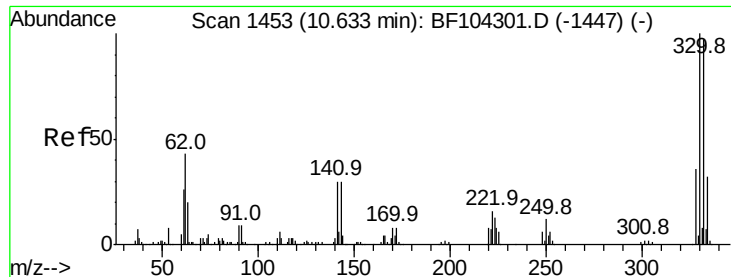
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	164	Resp	189245
Ion Ratio	100	Lower	Upper
162	104.7	86.1	129.1
160	46.3	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

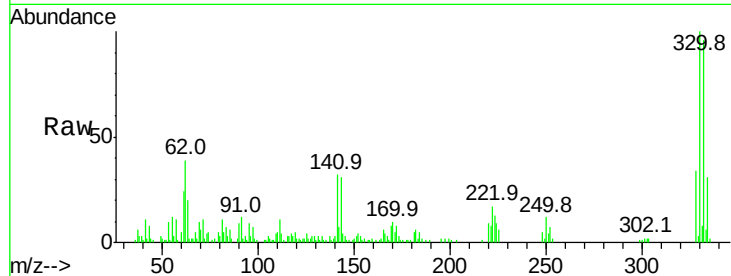




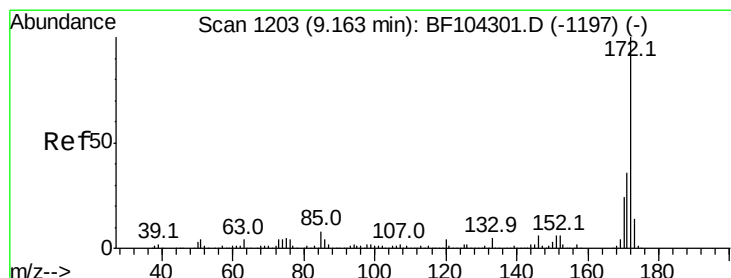
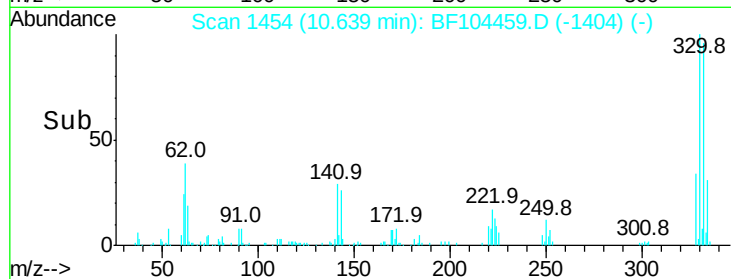
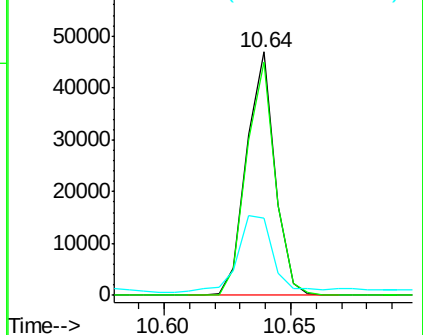
#41
 2,4,6-Tribromophenol
 Concen: 18.619 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 36550
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 38.7 29.9 44.9

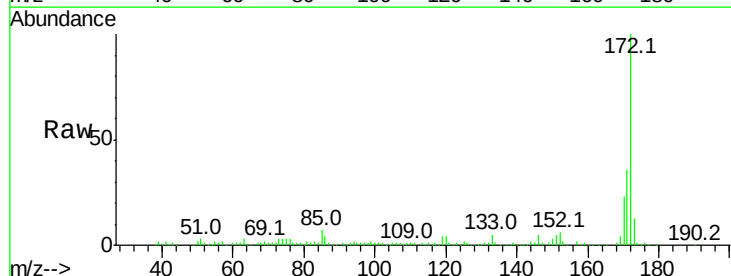


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

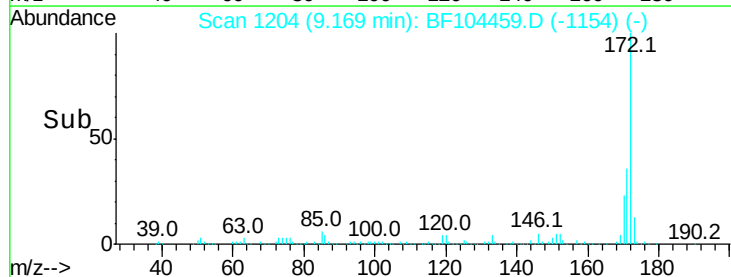
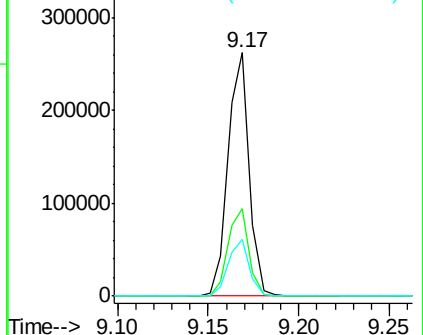


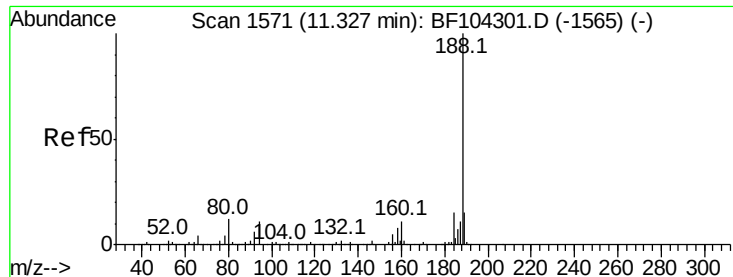
#44
 2-Fluorobiphenyl
 Concen: 17.797 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

Tgt Ion:172 Resp: 213201
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.3 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

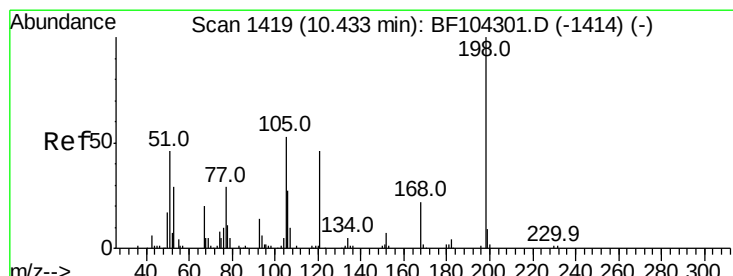
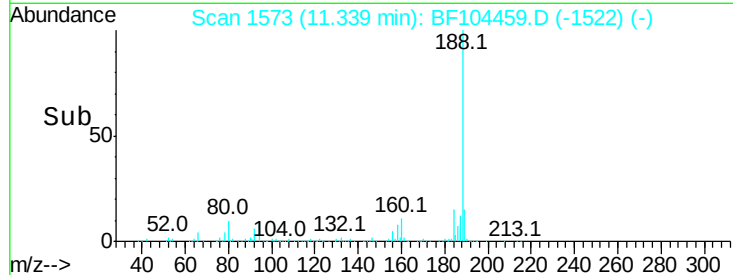
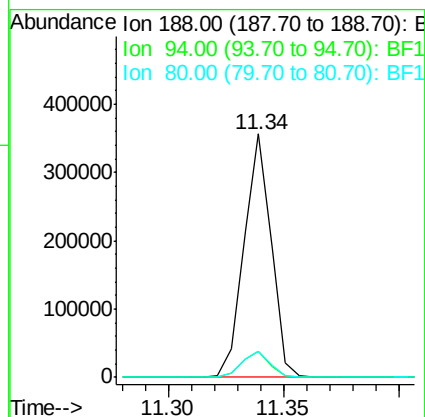
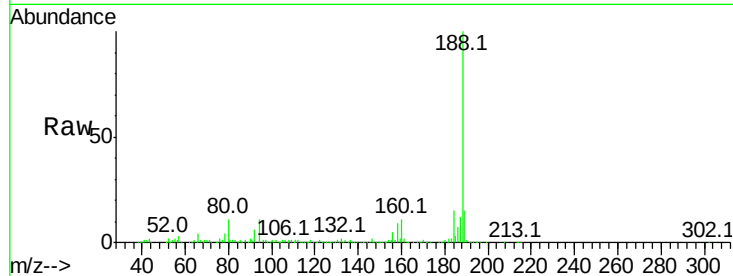




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

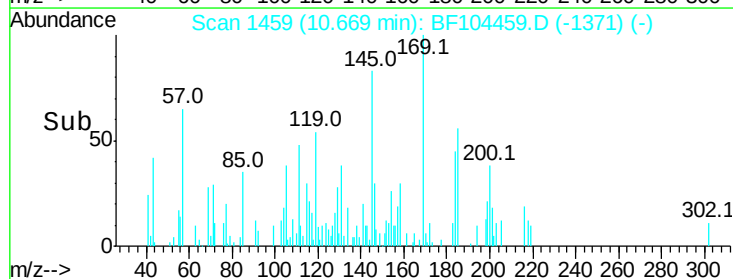
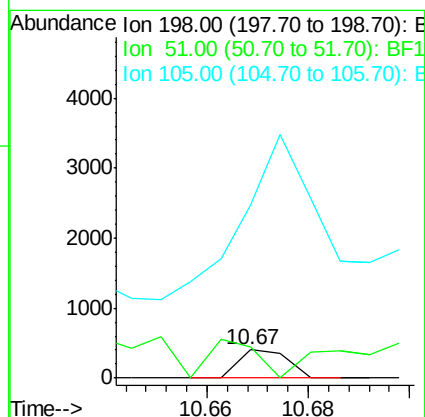
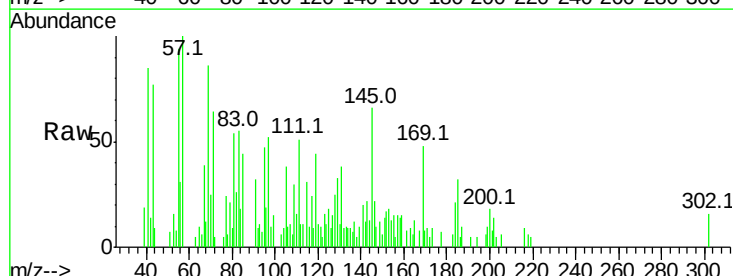
Instrument :
BNA_F
ClientSampled :

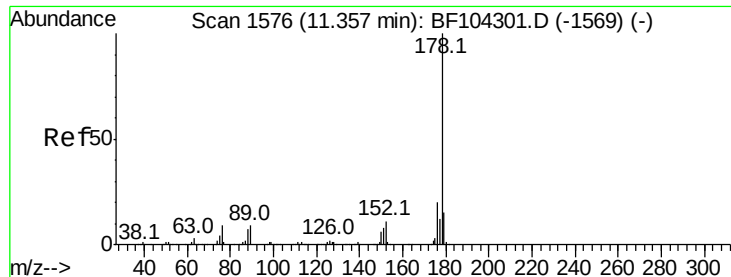
Tot Ion:188 Resp: 292259
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.507 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.22 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion:198 Resp: 269
Ion Ratio Lower Upper
198 100
51 111.9 37.7 77.7#
105 616.4 36.3 76.3#





#70

Phenanthrene

Concen: 5.970 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

ClientSampleId :

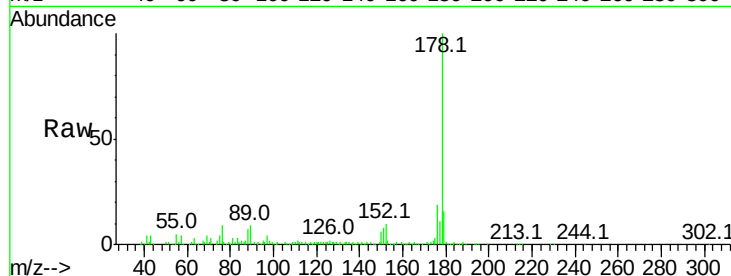
Tot Ion:178 Resp: 97164

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

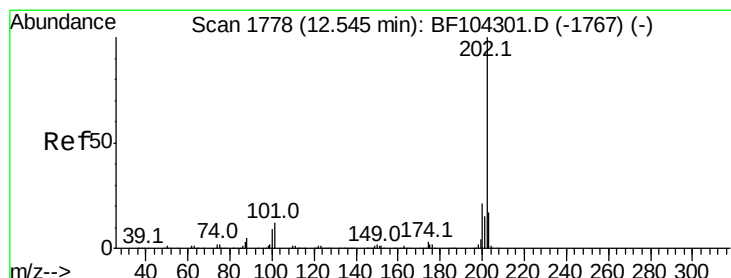
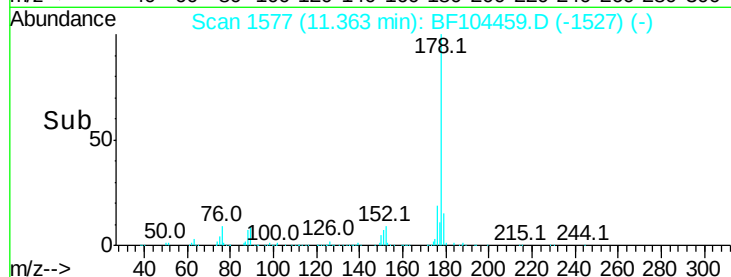
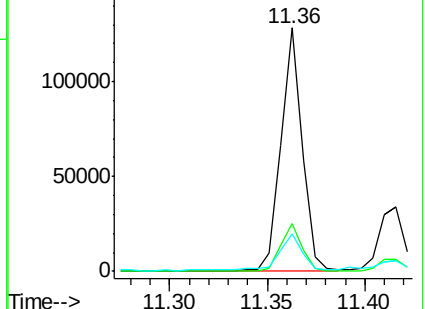
179 15.6 13.0 19.6



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



#74

Fluoranthene

Concen: 6.307 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

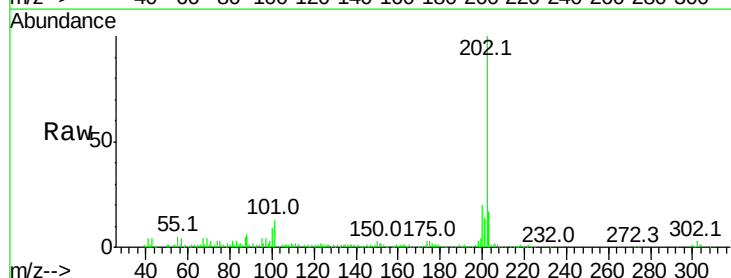
Tgt Ion:202 Resp: 107245

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

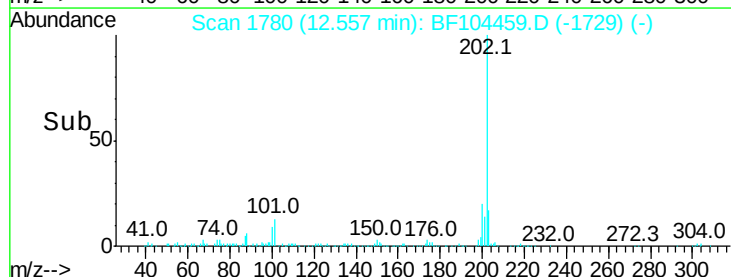
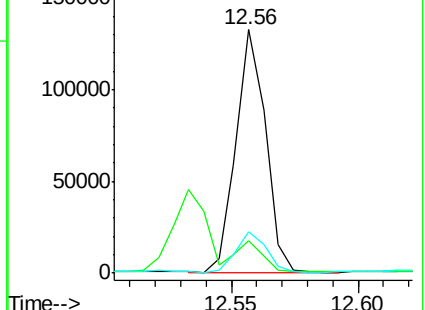
203 17.1 0.0 38.1

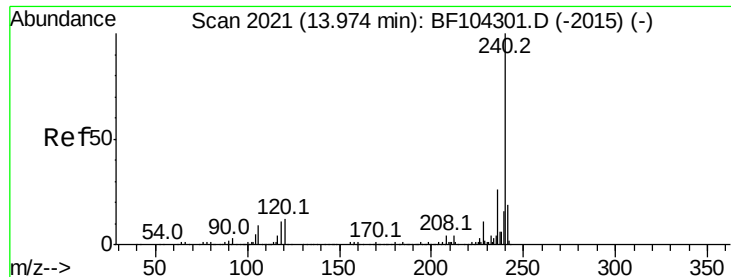


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

ClientSampleId :

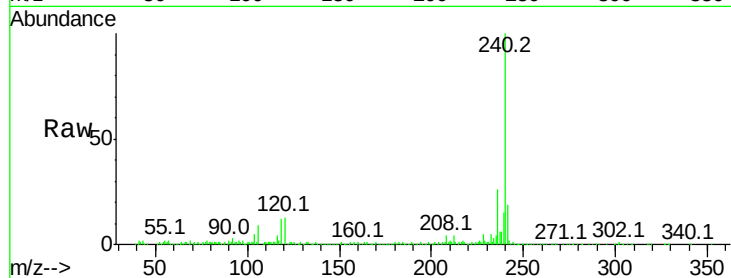
Tot Ion:240 Resp: 233480

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

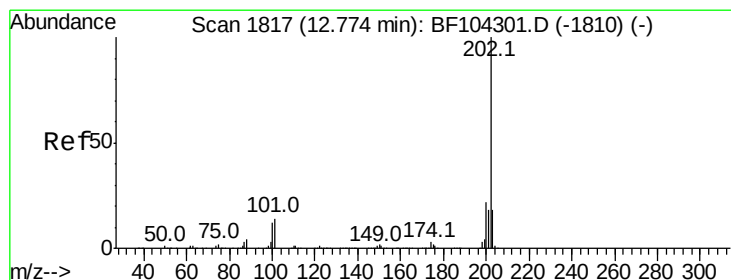
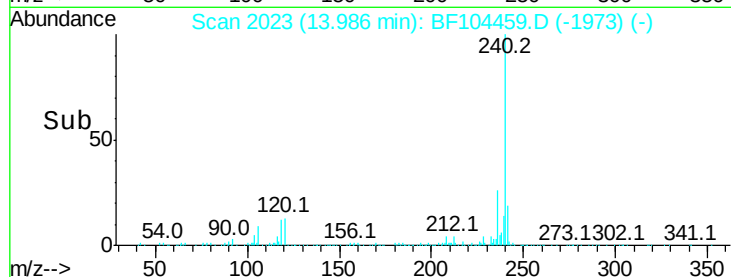
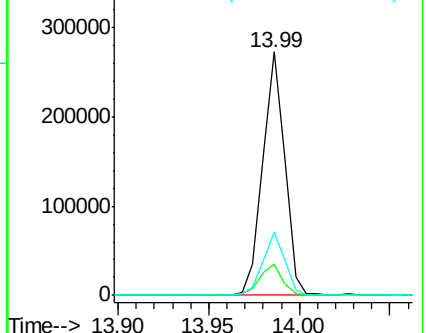
236 26.0 20.7 31.1



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: 7.015 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

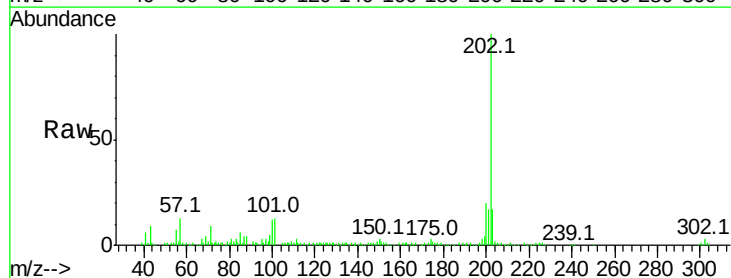
Tgt Ion:202 Resp: 121408

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

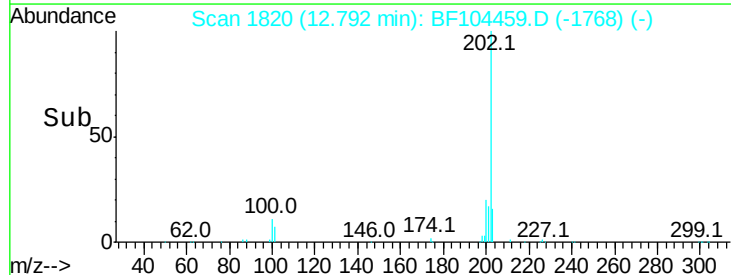
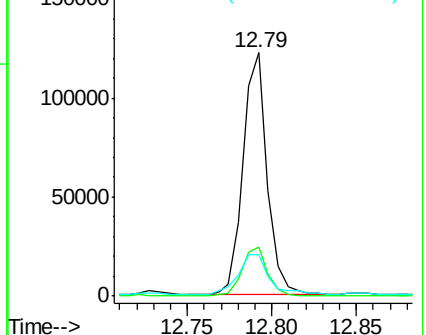
203 17.2 14.3 21.5

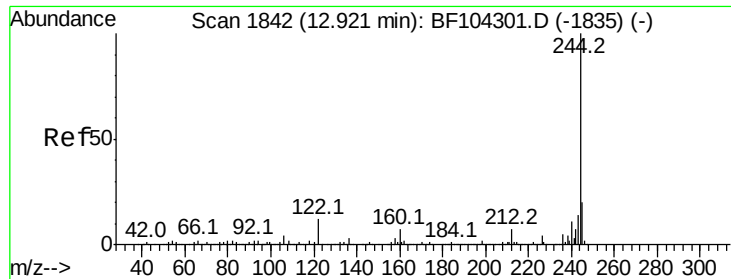


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

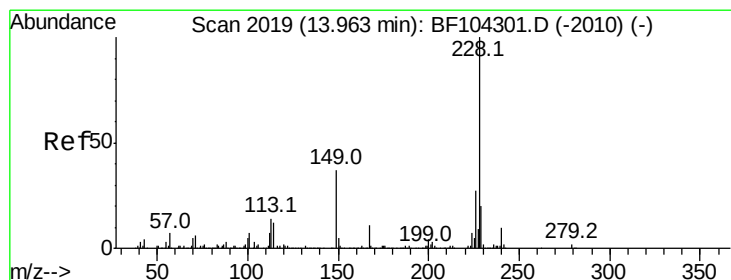
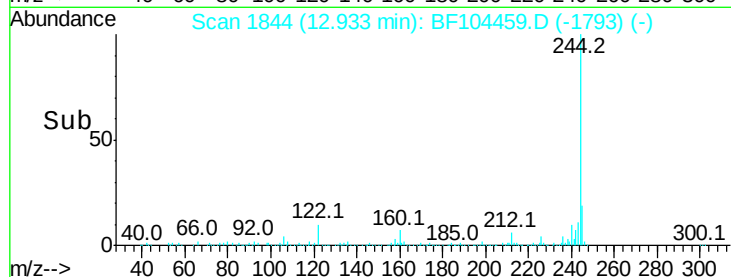
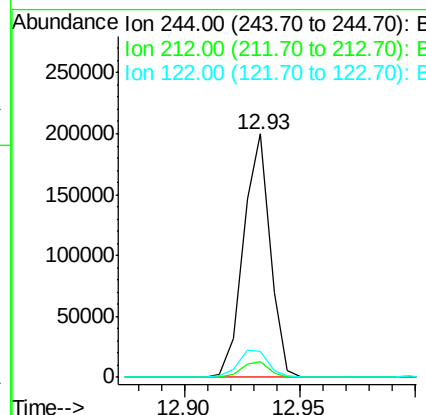
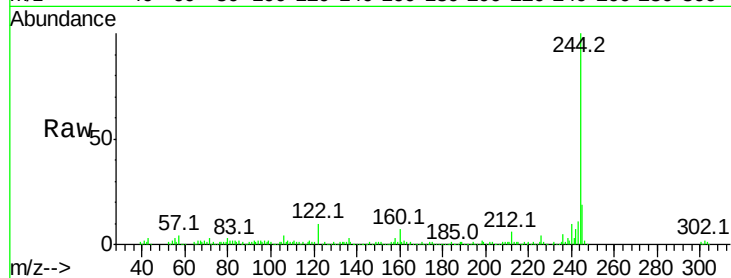




#78
 Terphenyl-d14
 Concen: 15.726 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

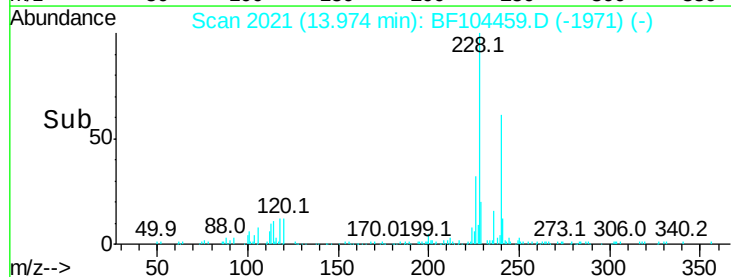
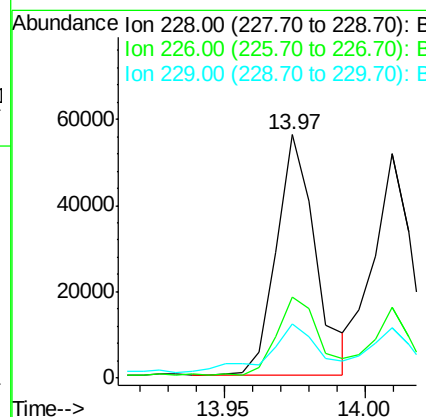
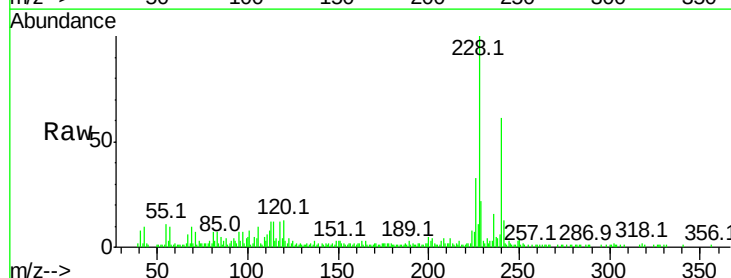
Instrument :
 BNA_F
 ClientSampleId :

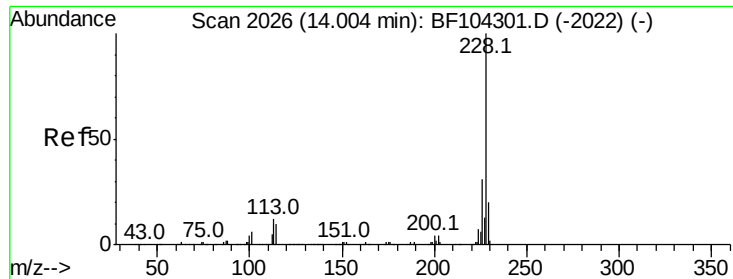
Tot Ion:244 Resp: 161047
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.836 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

Tgt Ion:228 Resp: 53506
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.6 33.8
 229 22.4 15.8 23.6

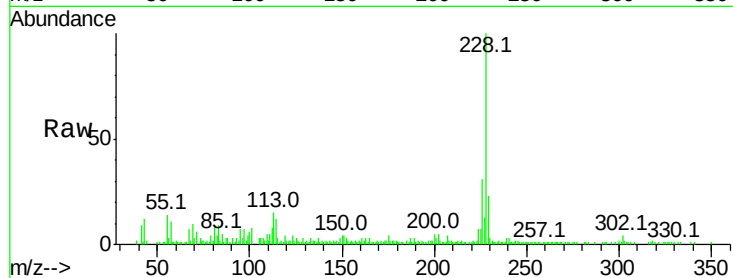




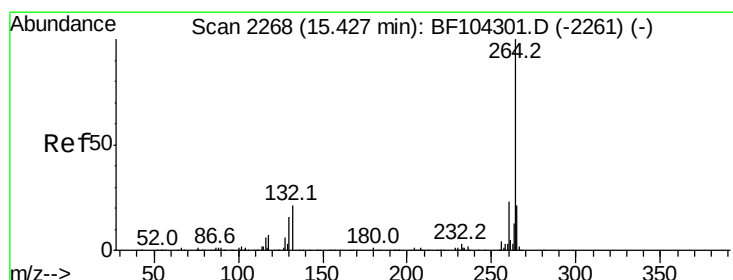
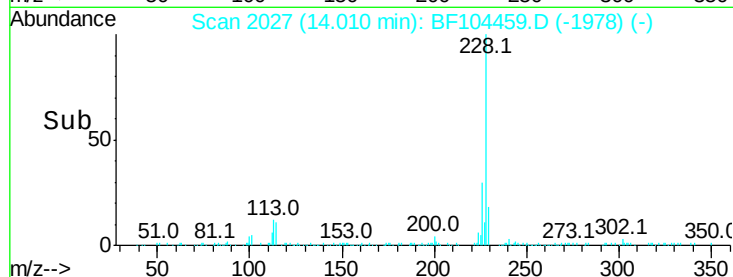
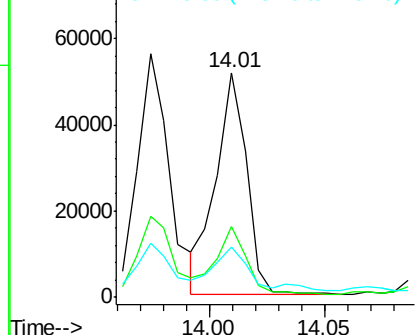
#82
Chrysene
Concen: 3.328 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 47675
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.6 16.2 24.4

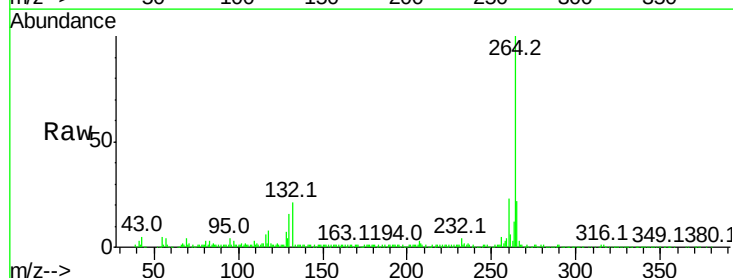


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

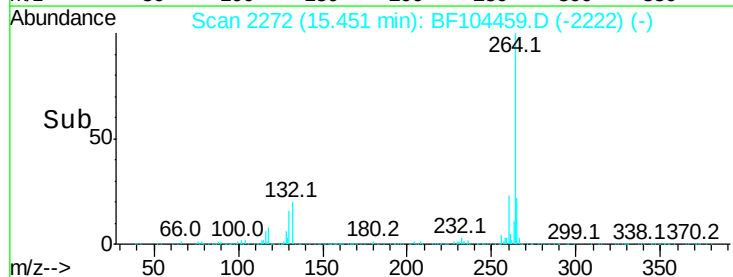
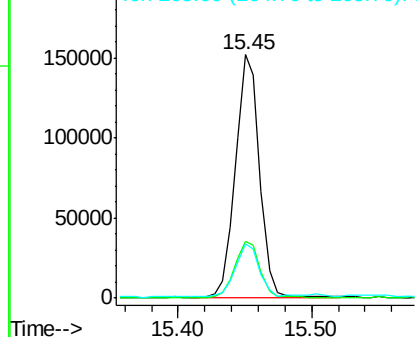


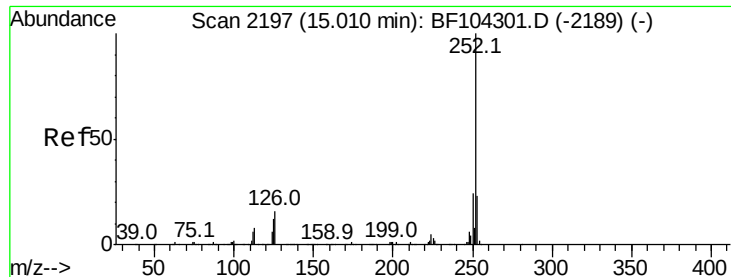
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion:264 Resp: 189271
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.4 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: 5.419 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

ClientSampleId :

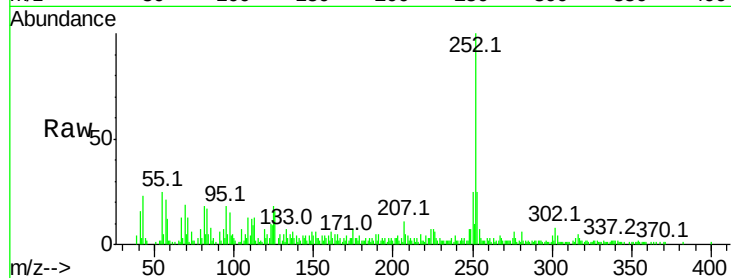
Tot Ion:252 Resp: 64773

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

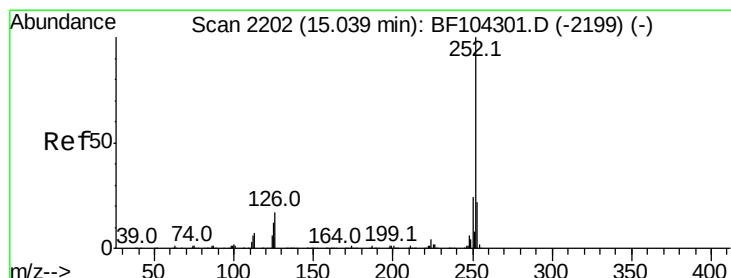
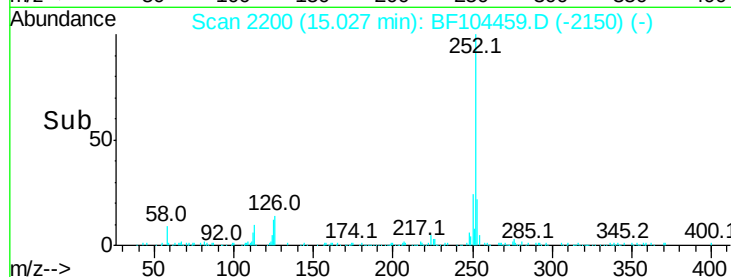
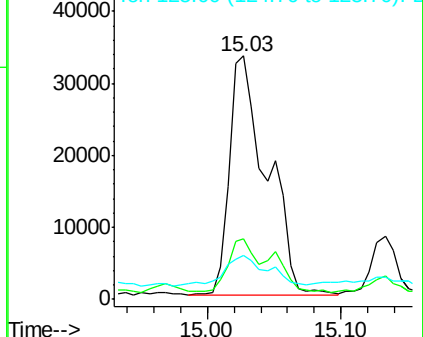
125 18.1 9.0 13.6#



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: 5.739 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

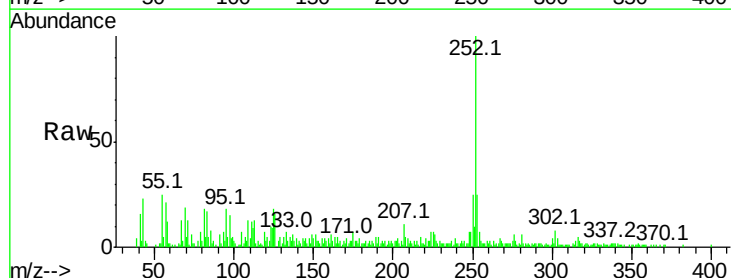
Tgt Ion:252 Resp: 64773

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

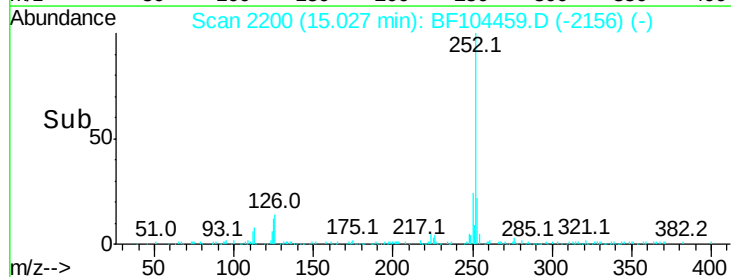
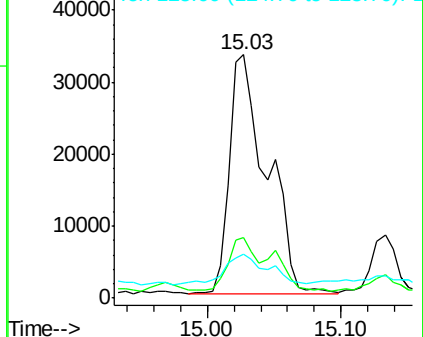
125 18.1 10.2 15.2#

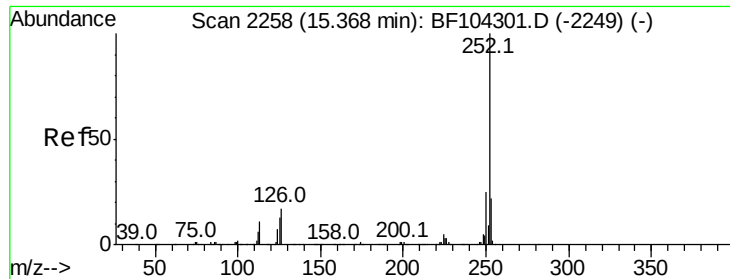


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

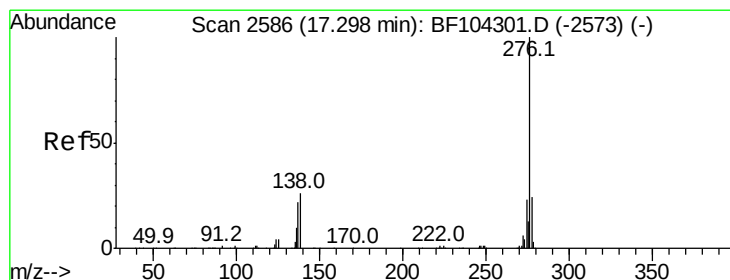
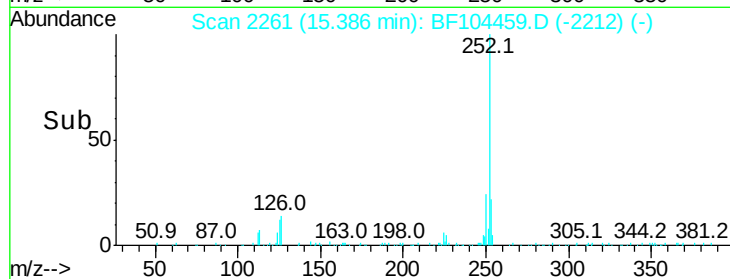
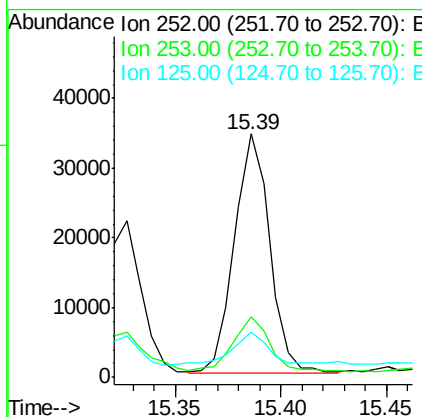
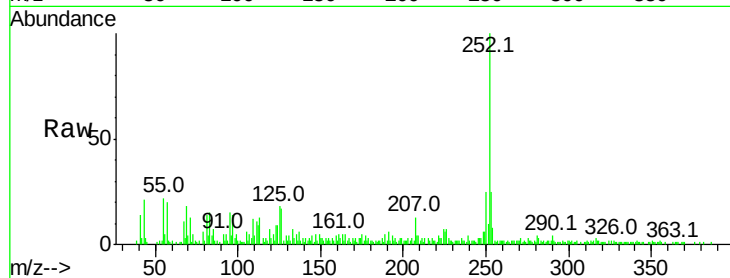




#89
Benzo(a)pyrene
Concen: 3.706 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	18.5	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.485 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	27.9	21.8	32.8

