

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104760.D
 Acq On : 24 Apr 2018 17:00
 Operator : JU/SJ
 Sample : J2511-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-017-B

Quant Time: Apr 25 12:34:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	117770	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	484878	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	209331	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	330817	20.00	ng	0.00
75) Chrysene-d12	13.99	240	266872	20.00	ng	0.00
86) Perylene-d12	15.46	264	200549	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	951408	123.53	ng	0.02
7) Phenol-d6	6.46	99	1166284	123.24	ng	0.01
23) Nitrobenzene-d5	7.37	82	719585	96.91	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	256343	118.05	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1120089	84.53	ng	0.00
78) Terphenyl-d14	12.93	244	897256	76.65	ng	0.00

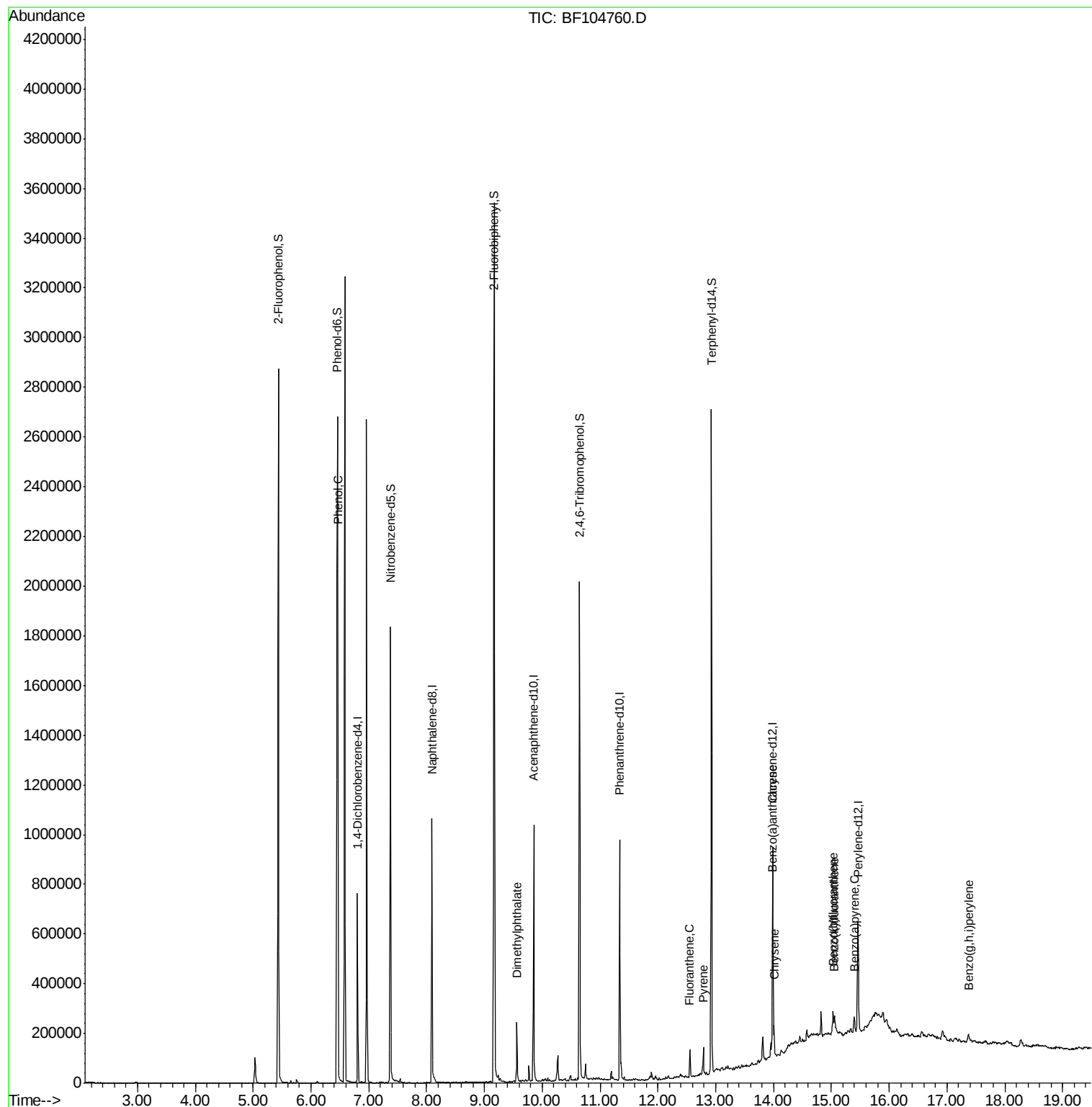
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	25390	2.529	ng	97
49) Dimethylphthalate	9.56	163	105617	6.398	ng	100
74) Fluoranthene	12.56	202	46894	2.436	ng	96
77) Pyrene	12.79	202	48158	2.434	ng	98
80) Benzo(a)anthracene	13.97	228	37582	2.357	ng	99
82) Chrysene	14.01	228	43351	2.647	ng	98
87) Benzo(b)fluoranthene	15.03	252	44725	3.531	ng	# 91
88) Benzo(k)fluoranthene	15.06	252	32829	2.745	ng	# 95
89) Benzo(a)pyrene	15.40	252	26968	2.380	ng	# 90
91) Benzo(g,h,i)perylene	17.37	276	22862	2.535	ng	97

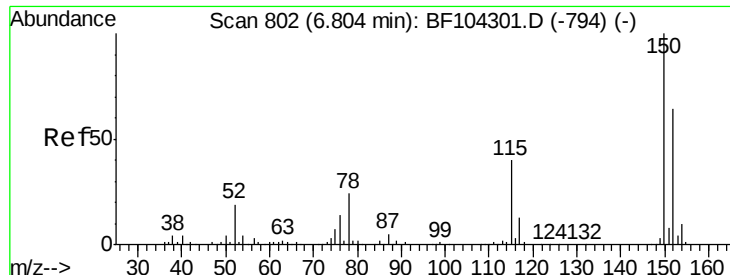
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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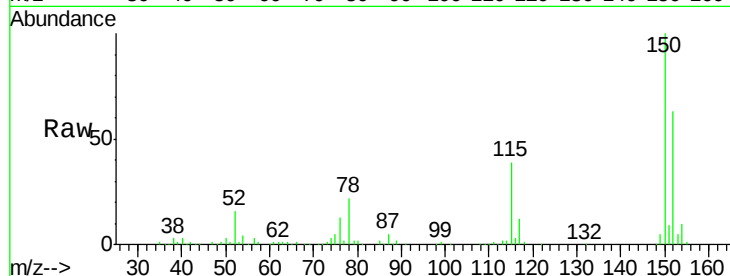


#1

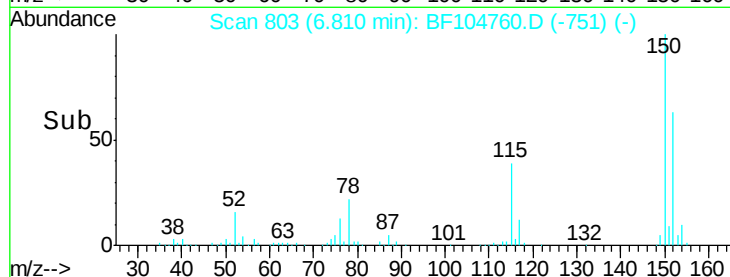
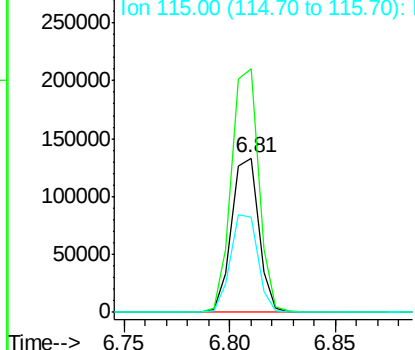
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-017-B

Tot Ion:152 Resp: 117770
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.5 50.1 75.1



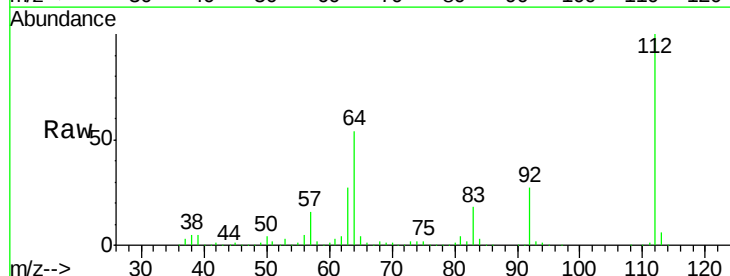
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



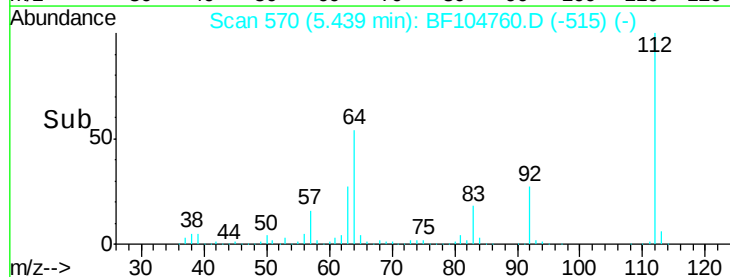
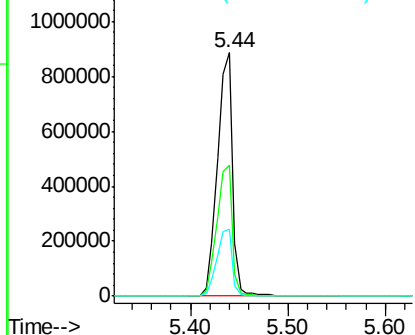
#5

2-Fluorophenol
Concen: 123.525 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:112 Resp: 951408
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.5 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: 123.241 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-017-B

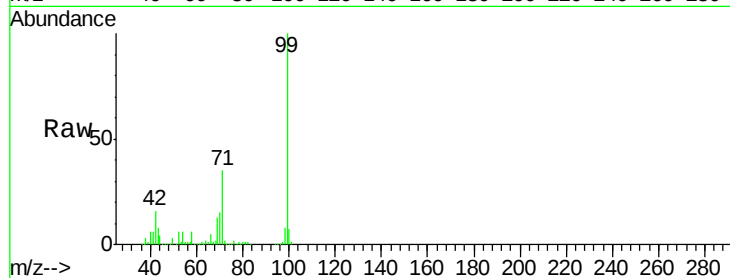
Tot Ion: 99 Resp: 1166284

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

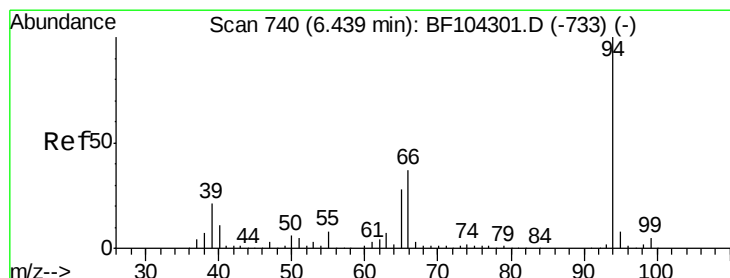
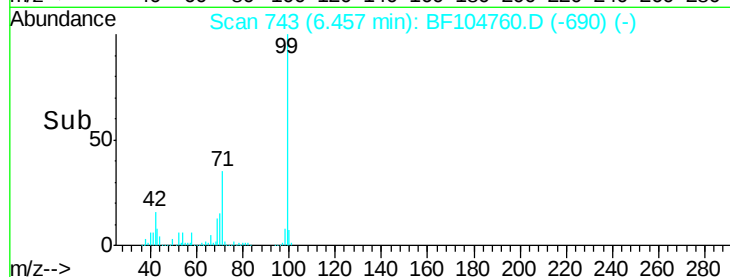
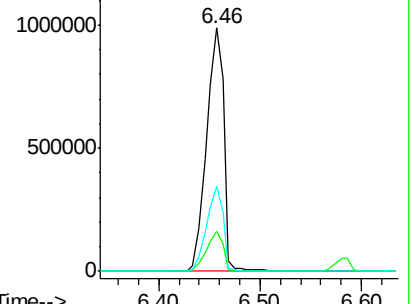
71 34.6 25.4 38.0



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



#10

Phenol

Concen: 2.529 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

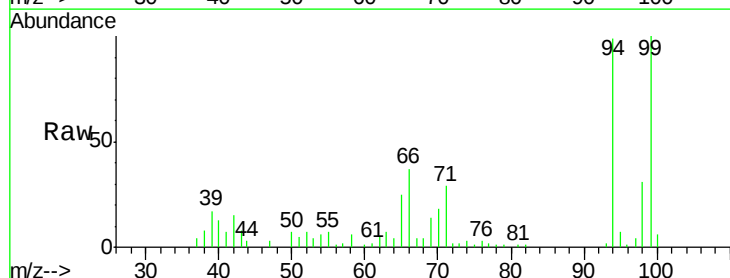
Tgt Ion: 94 Resp: 25390

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

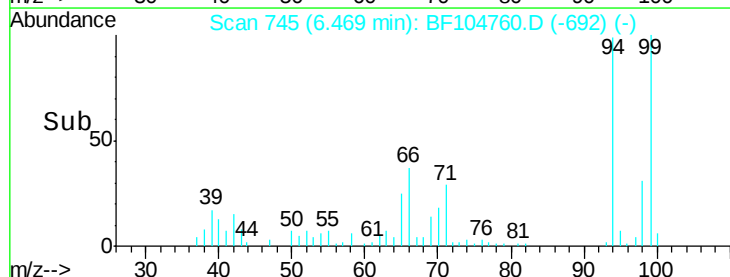
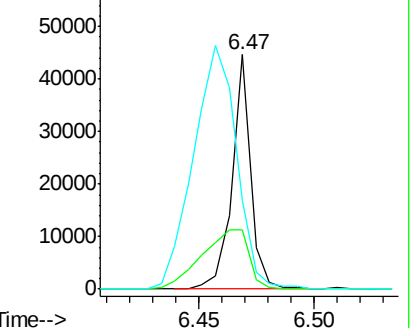
66 37.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

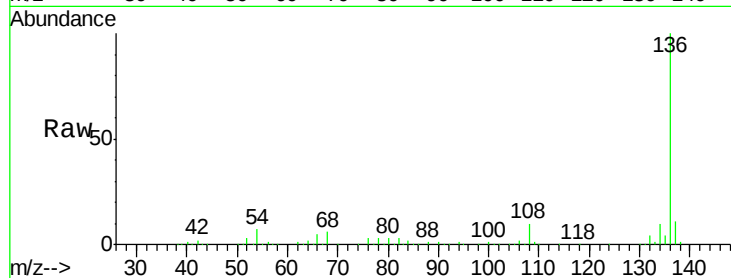




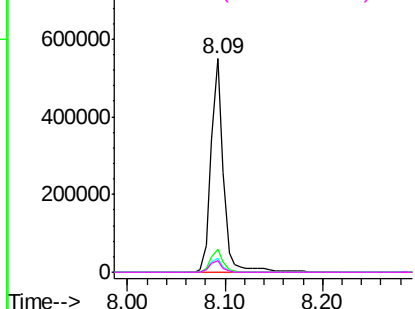
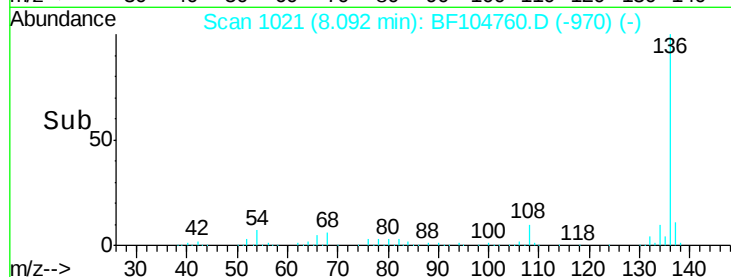
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-017-B

Tot Ion:136 Resp: 484878
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.7 6.6 9.8
68 5.6 5.0 7.4

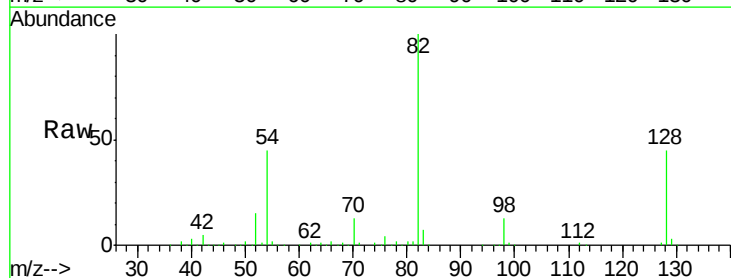


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

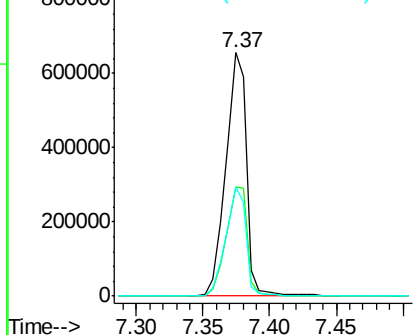
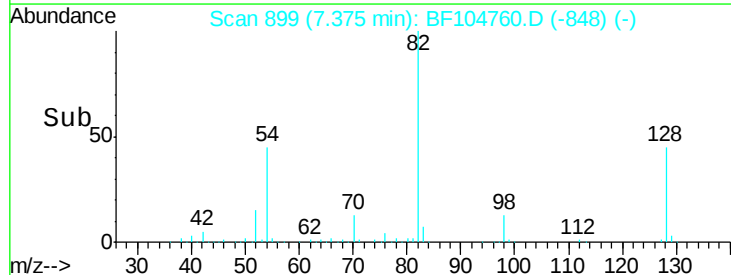


#23
Nitrobenzene-d5
Concen: 96.906 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion: 82 Resp: 719585
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 44.9 41.4 62.2



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

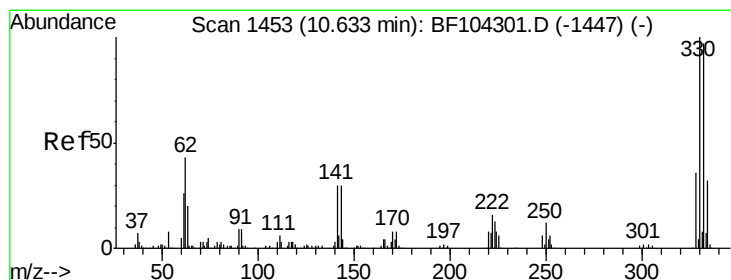
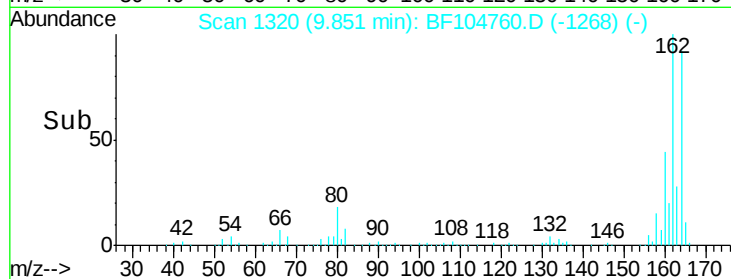
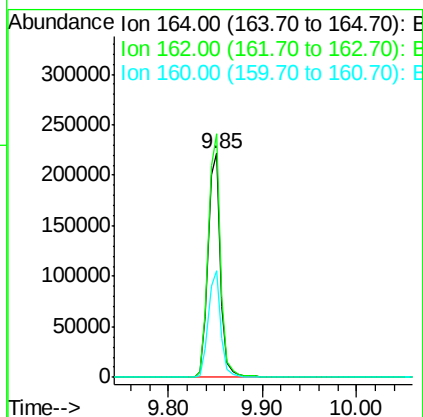
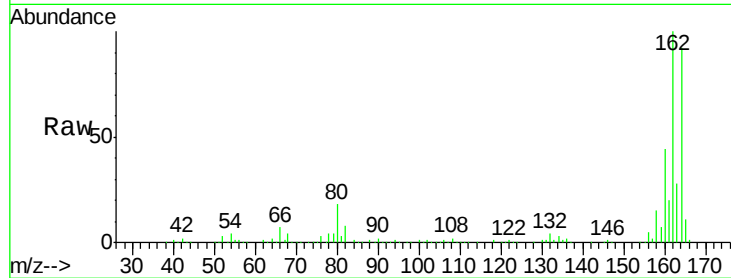




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

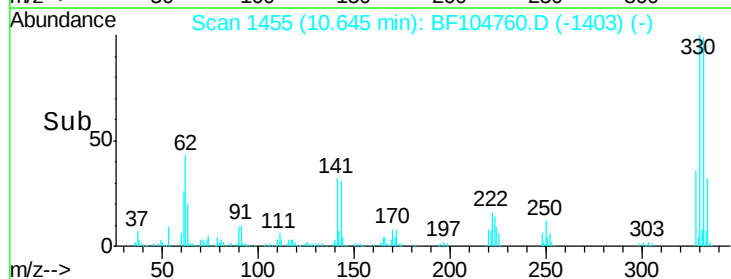
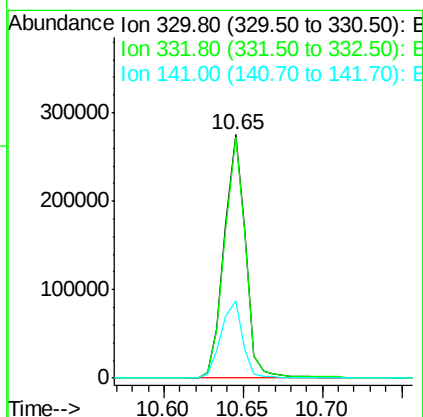
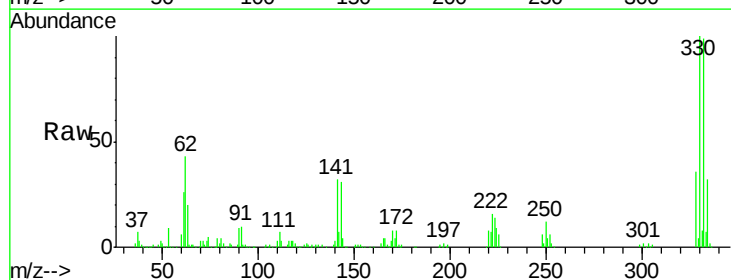
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-017-B

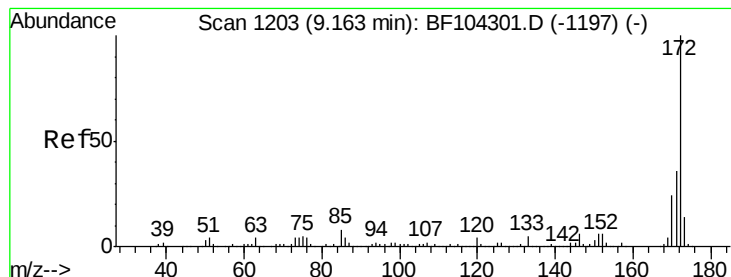
Tot Ion:164 Resp: 209331
 Ion Ratio Lower Upper
 164 100
 162 108.7 86.1 129.1
 160 47.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 118.052 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Tgt Ion:330 Resp: 256343
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.0 115.6
 141 33.0 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 84.529 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

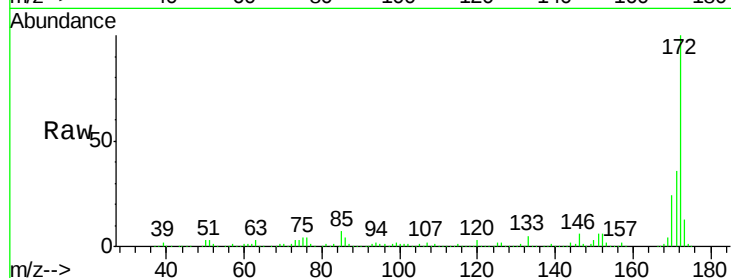
BNA_F

ClientSampleId :

FK-GF-02-017-B

Tot Ion:172 Resp: 1120089

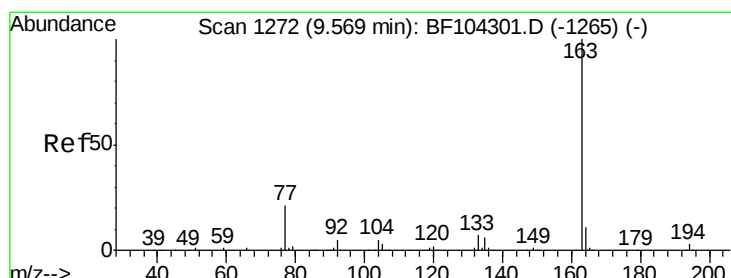
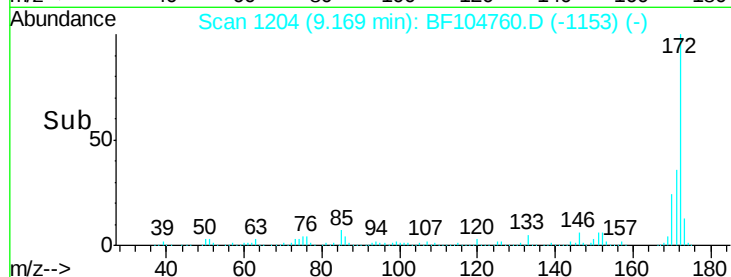
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4



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: 6.398 ng

RT: 9.56 min Scan# 1271

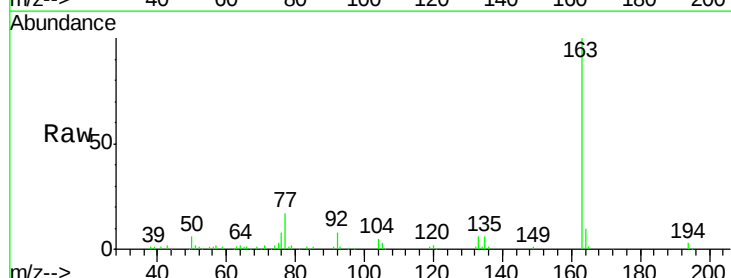
Delta R.T. -0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Tgt Ion:163 Resp: 105617

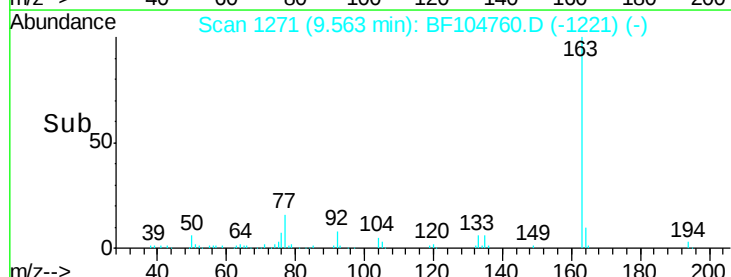
Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.3	8.2	12.2



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

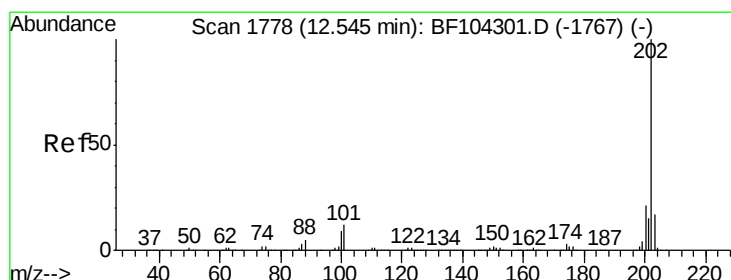
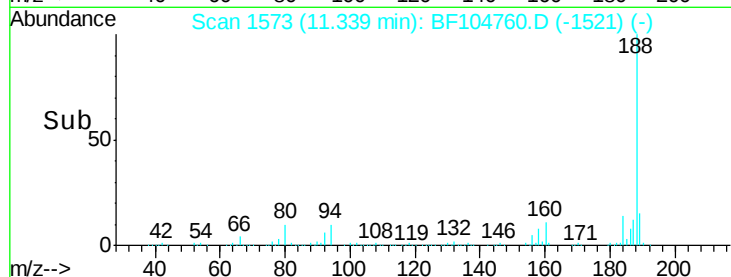
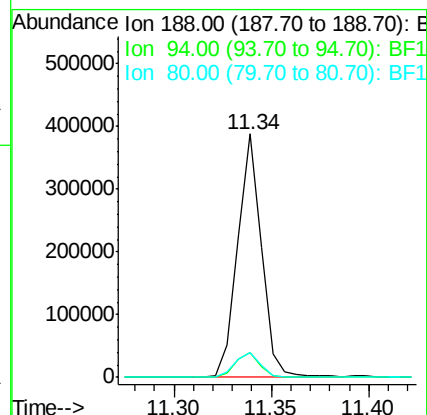
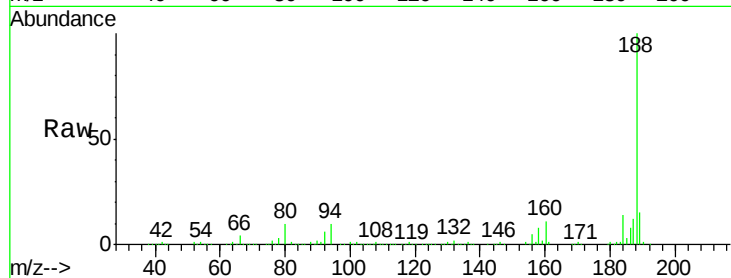




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

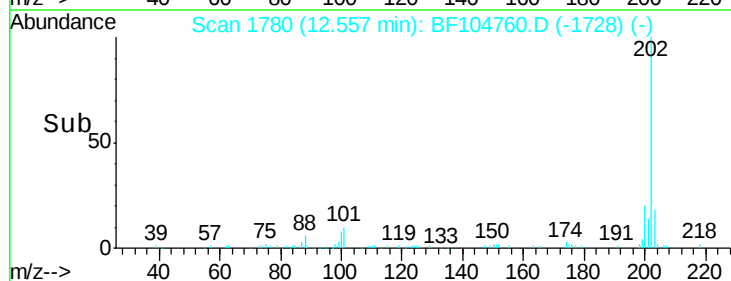
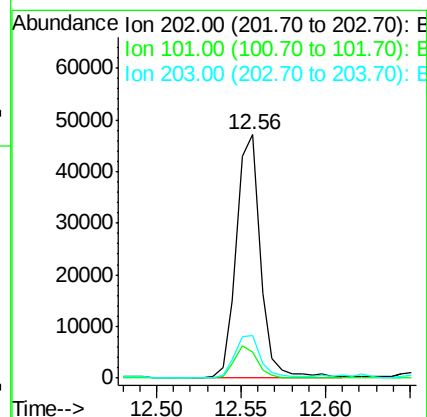
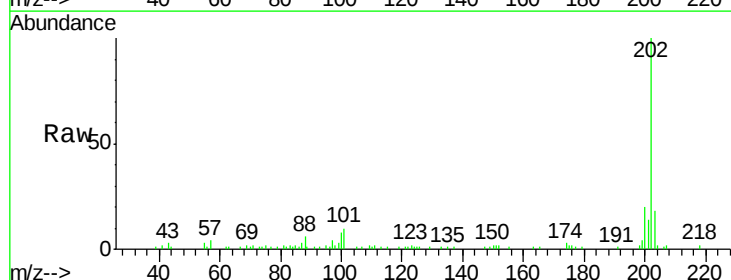
Instrument :
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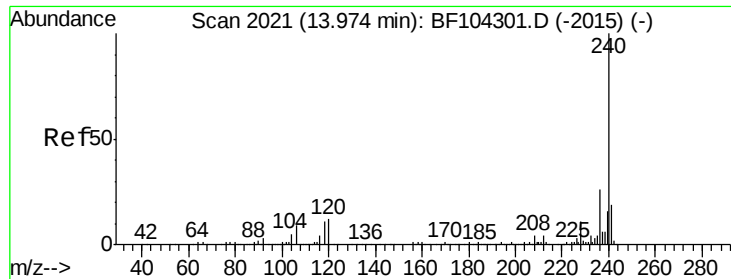
Tot Ion:188 Resp: 330817
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.4 9.2 13.8



#74
Fluoranthene
Concen: 2.436 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:202 Resp: 46894
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-017-B

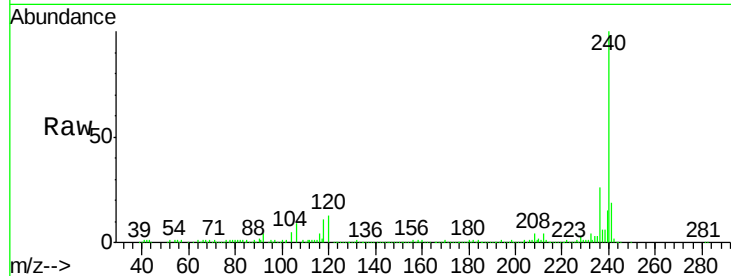
Tot Ion:240 Resp: 266872

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

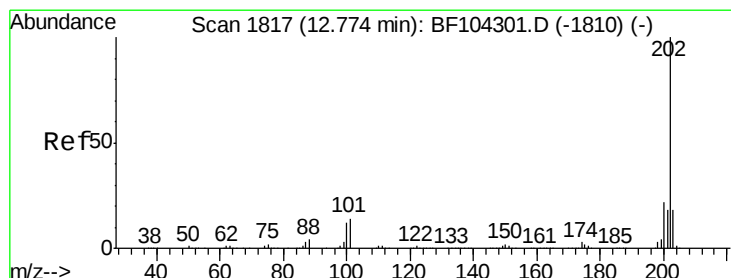
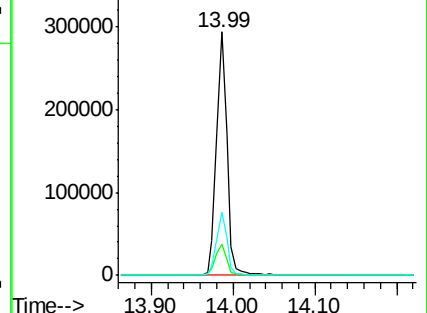
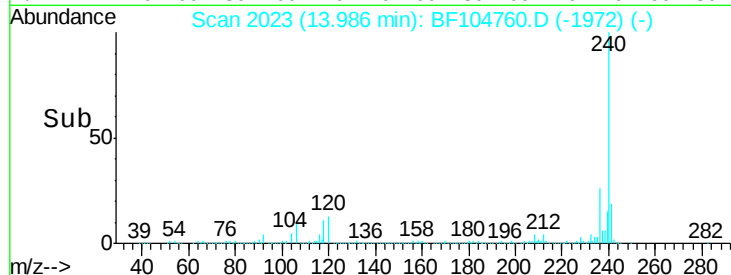
236 25.9 20.7 31.1



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: 2.434 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104760.D

Acq: 24 Apr 2018 17:00

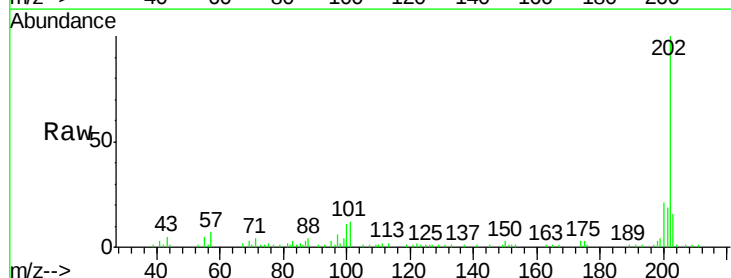
Tgt Ion:202 Resp: 48158

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

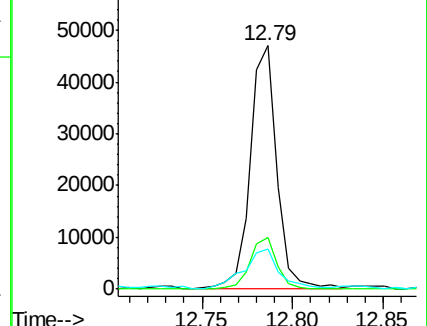
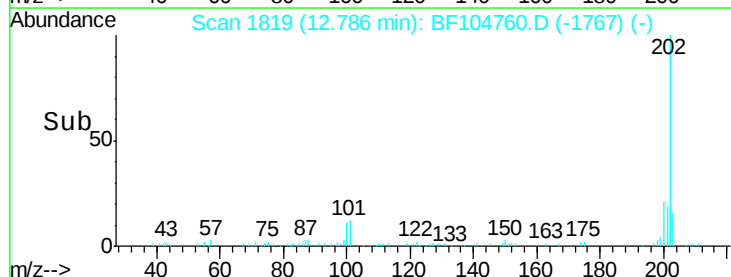
203 16.4 14.3 21.5



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

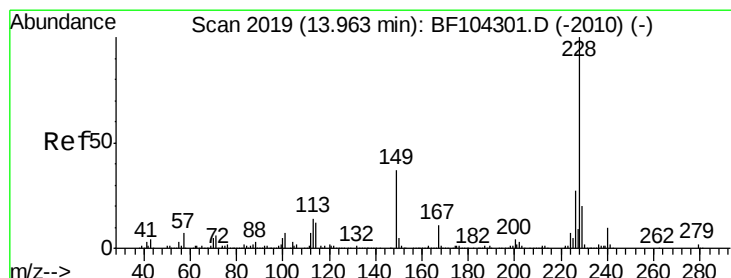
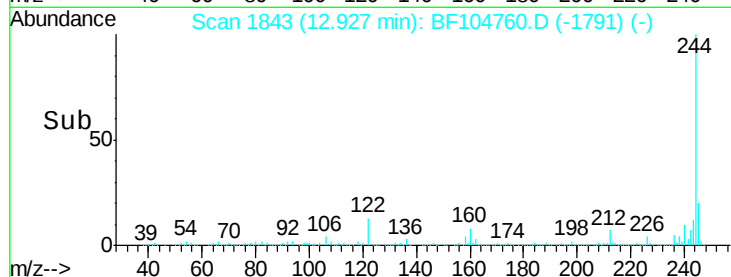
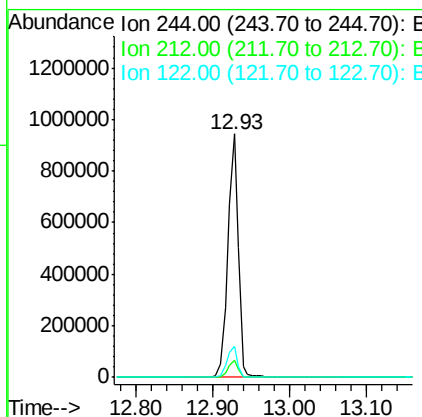
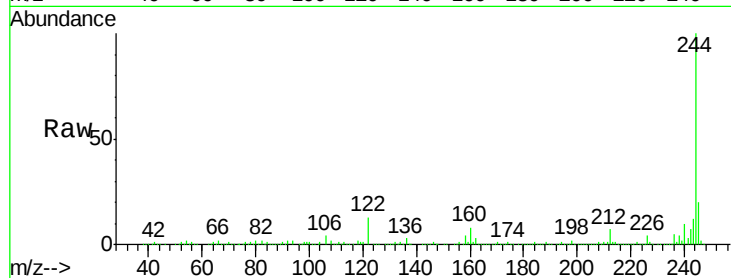




#78
 Terphenyl-d14
 Concen: 76.651 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

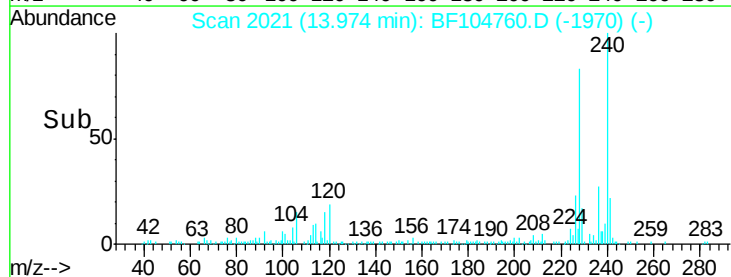
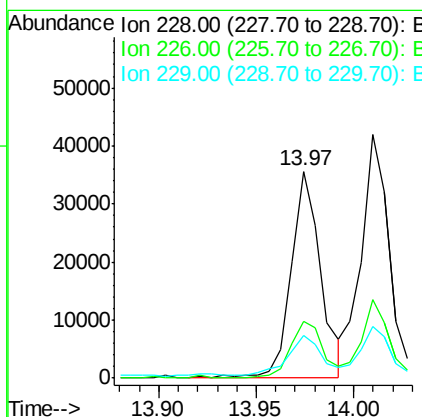
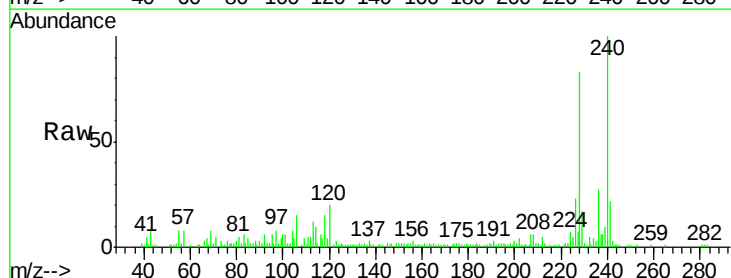
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-017-B

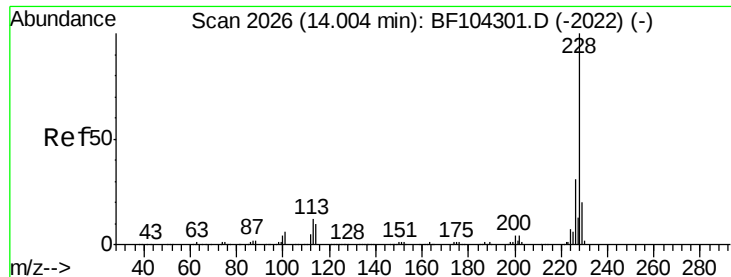
Tot Ion:244 Resp: 897256
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.357 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF104760.D
 Acq: 24 Apr 2018 17:00

Tgt Ion:228 Resp: 37582
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 20.5 15.8 23.6

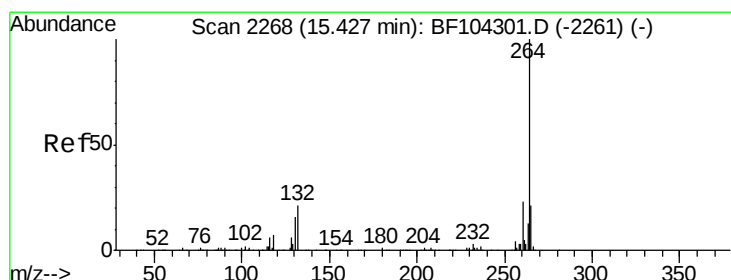
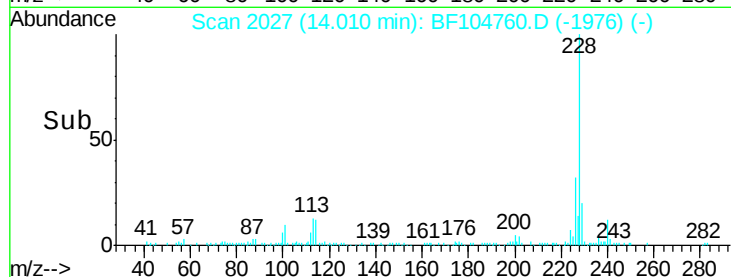
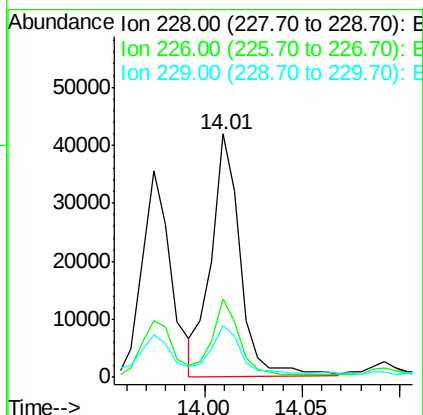
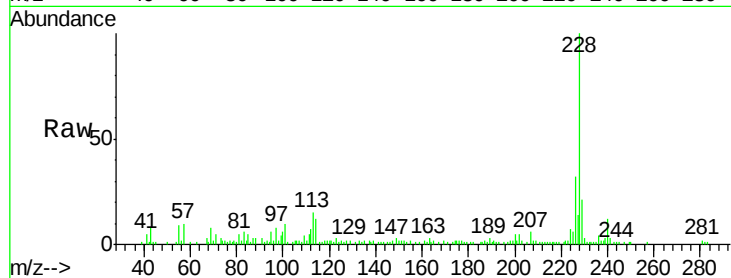




#82
Chrysene
Concen: 2.647 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

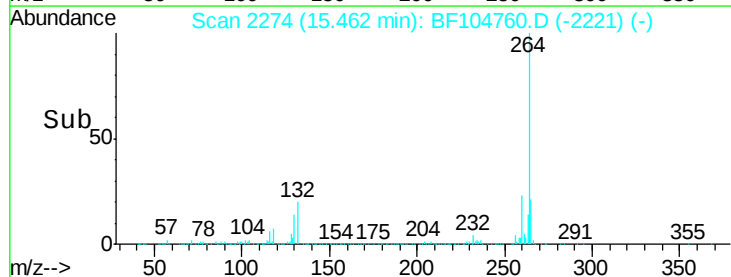
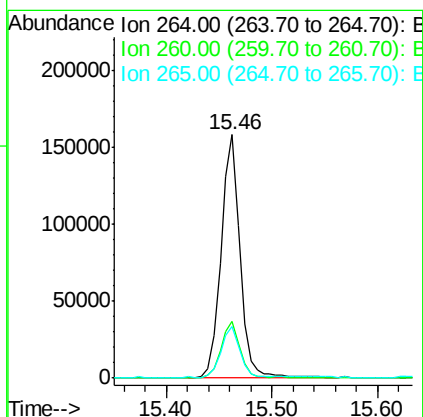
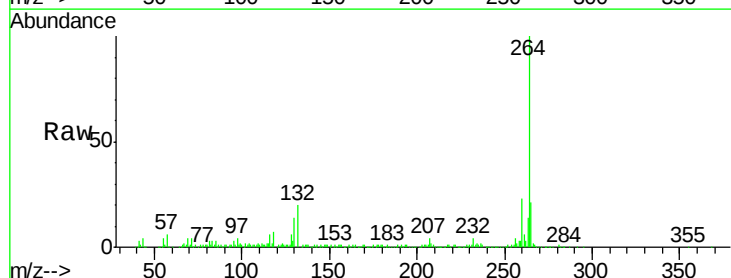
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-017-B

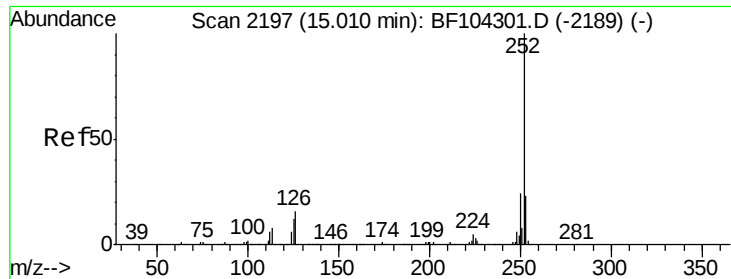
Tot Ion:228 Resp: 43351
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 21.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:264 Resp: 200549
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.3 17.5 26.3

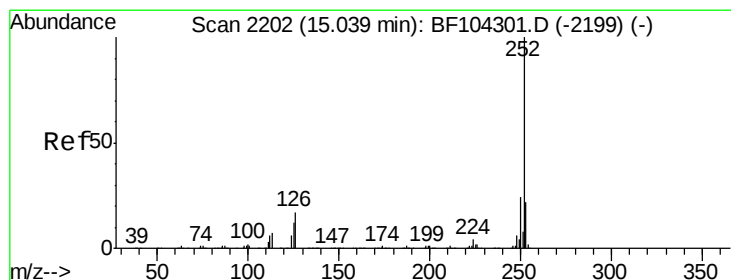
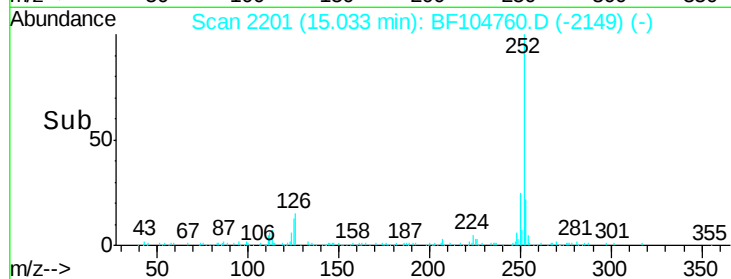
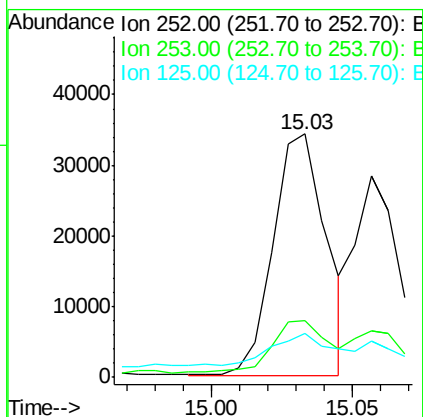
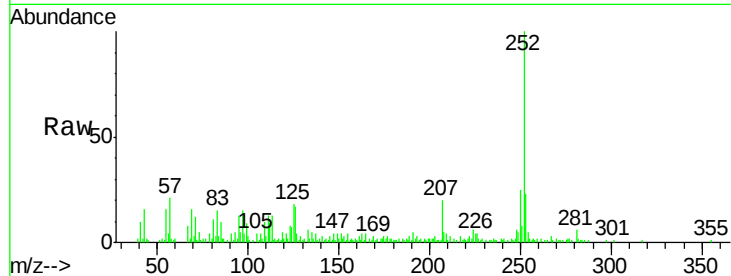




#87
Benzo(b)fluoranthene
Concen: 3.531 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

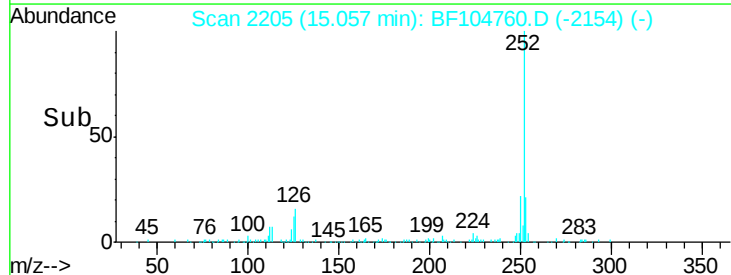
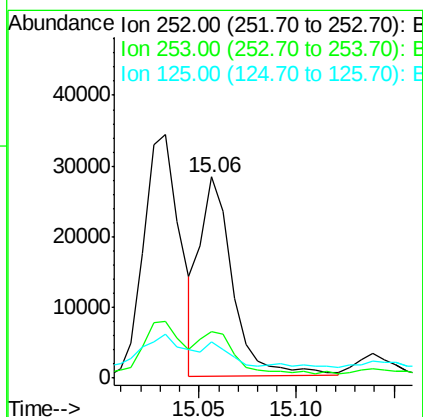
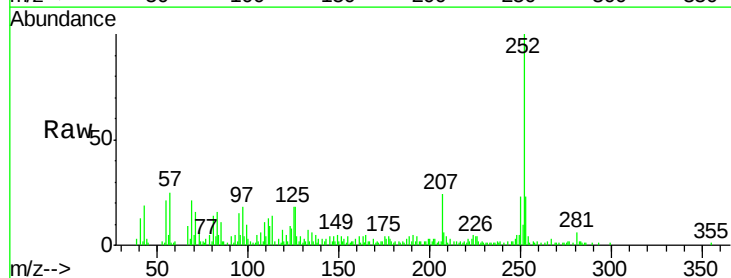
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-017-B

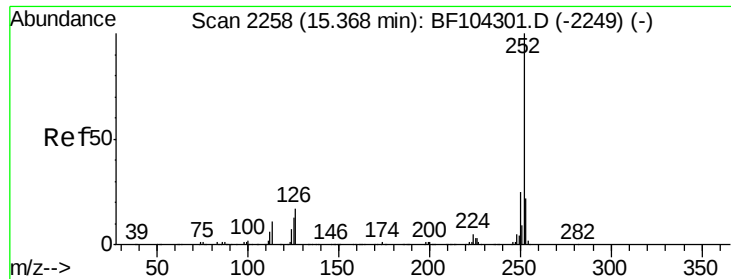
Tot Ion:252 Resp: 44725
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 18.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.745 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion:252 Resp: 32829
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 18.0 10.2 15.2#

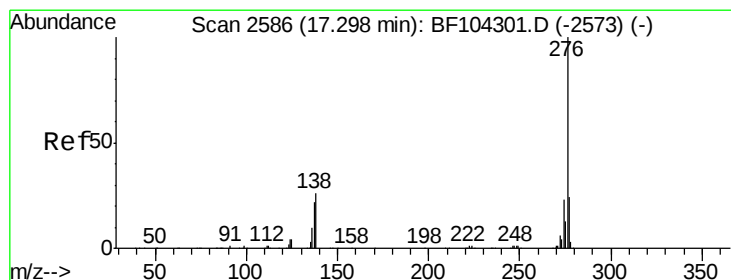
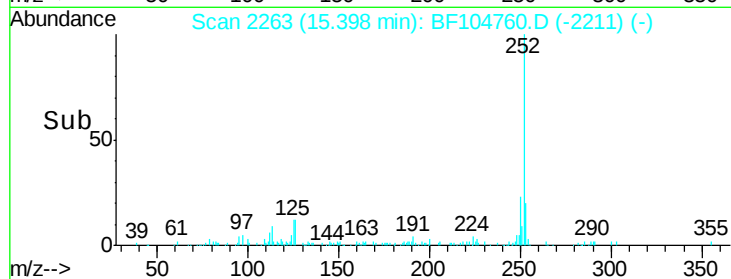
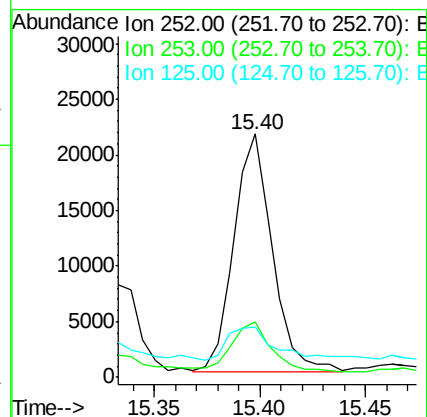
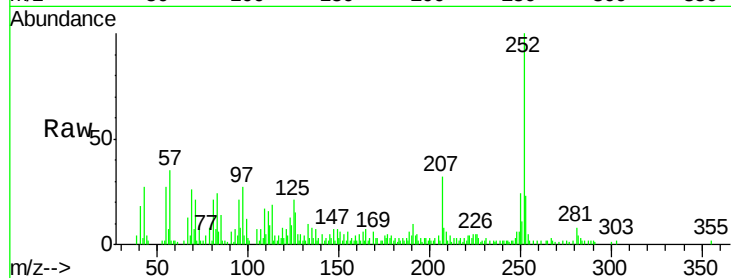




#89
Benzo(a)pyrene
Concen: 2.380 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-017-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	20.7	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.535 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104760.D
Acq: 24 Apr 2018 17:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	28.4	21.8	32.8

