

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104452.D
 Acq On : 12 Apr 2018 15:48
 Operator : JU/SJ
 Sample : J2335-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 17:09:34 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	139239	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	545616	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	224463	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	310714	20.00	ng	0.00
75) Chrysene-d12	13.99	240	242970	20.00	ng	0.00
86) Perylene-d12	15.46	264	219286	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1113849	122.32	ng	0.02
7) Phenol-d6	6.45	99	1354943	121.10	ng	0.00
23) Nitrobenzene-d5	7.38	82	856898	102.55	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	264509	113.60	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1259929	88.67	ng	0.00
78) Terphenyl-d14	12.94	244	804063	75.45	ng	0.00

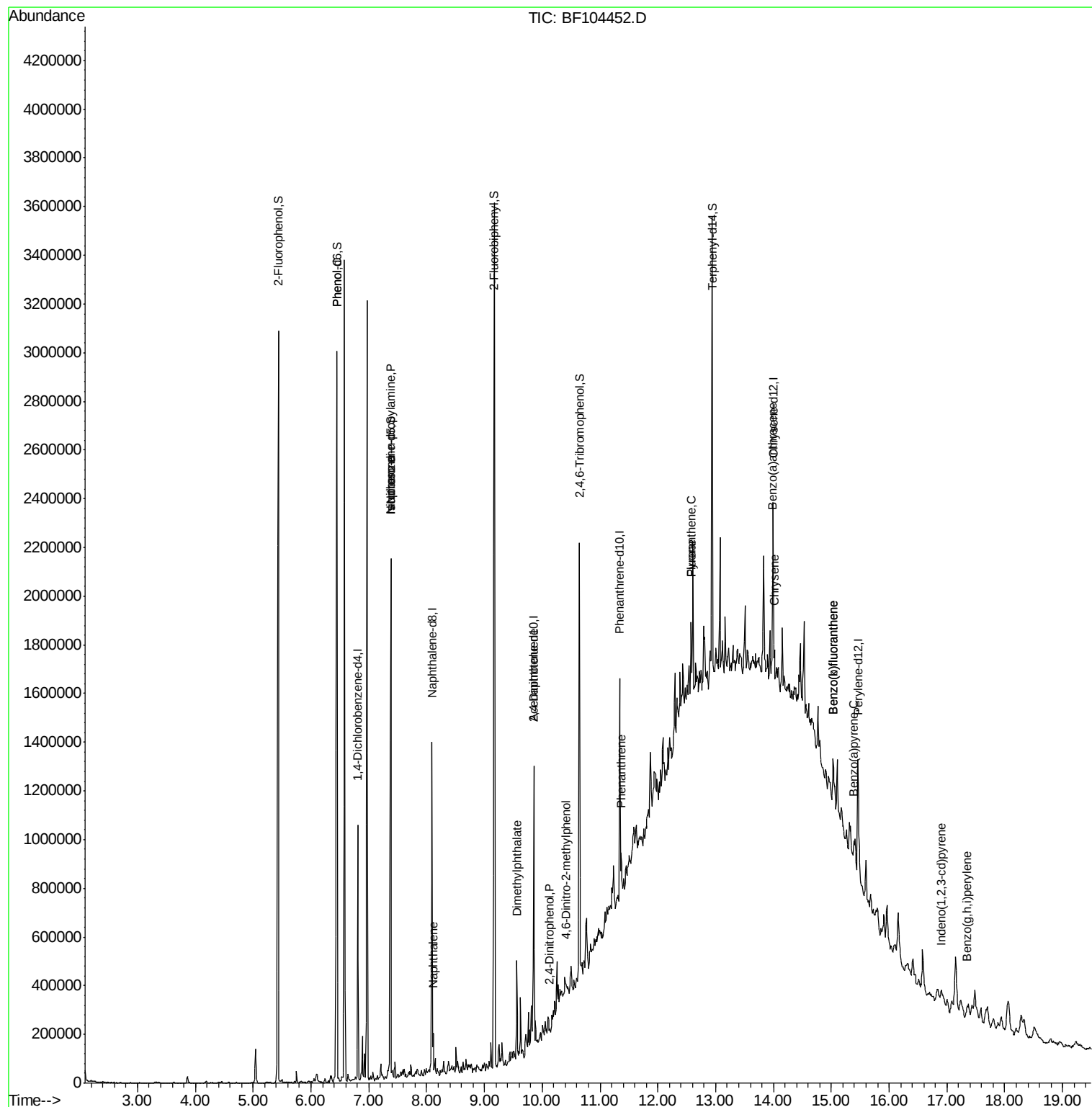
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	3844	Below Cal		98
10) Phenol	6.46	94	28572	2.407 ng		98
19) n-Nitroso-di-n-propylamine	7.38	70	114756	15.696 ng	#	71
25) Isophorone	7.38	82	856898	48.496 ng	#	64
31) Naphthalene	8.12	128	57668	2.123 ng		99
49) Dimethylphthalate	9.56	163	115035	6.499 ng		99
53) 2,4-Dinitrophenol	10.13	184	520	5.707 ng	#	17
56) 2,4-Dinitrotoluene	9.85	165	29969	6.976 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.42	198	156	7.434 ng	#	1
70) Phenanthrene	11.36	178	58066	3.356 ng		96
74) Fluoranthene	12.57	202	110450	6.109 ng		97
76) Benzidine	12.72	184	997	Below Cal	#	1
77) Pyrene	12.57	202	110450	6.133 ng		96
80) Benzo(a)anthracene	13.98	228	63660	4.386 ng	#	89
82) Chrysene	14.02	228	60977	4.090 ng	#	91
85) Indeno(1,2,3-cd)pyrene	16.90	276	27462	2.168 ng		96
87) Benzo(b)fluoranthene	15.03	252	92803	6.701 ng	#	72
88) Benzo(k)fluoranthene	15.03	252	92803	7.098 ng	#	75
89) Benzo(a)pyrene	15.39	252	48382	3.904 ng	#	74
91) Benzo(a,h,i)perylene	17.34	276	25921	2.629 ng	#	93

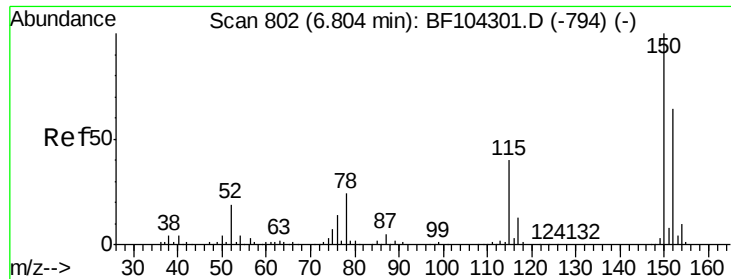
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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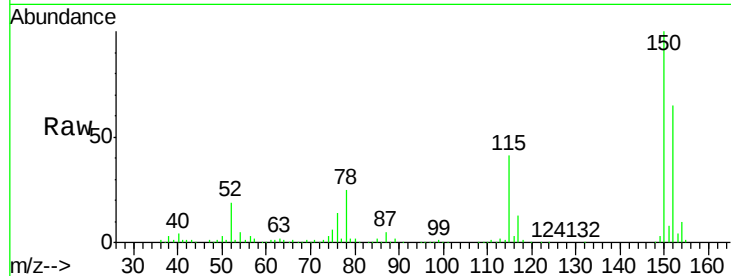


#1

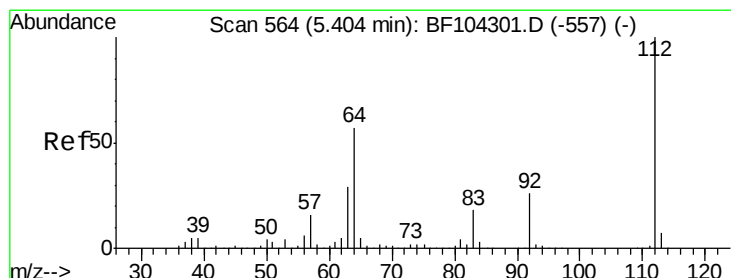
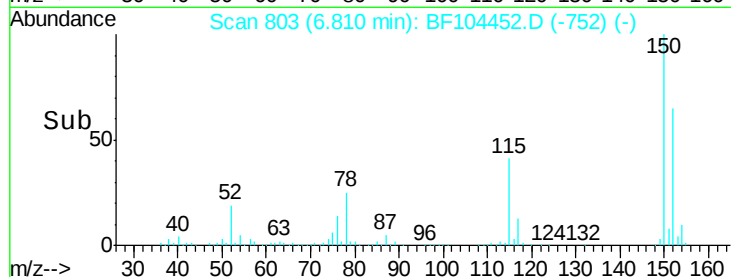
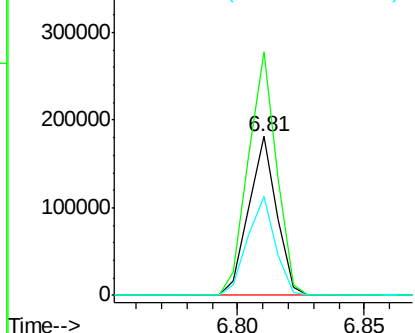
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139239
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 62.2 50.1 75.1



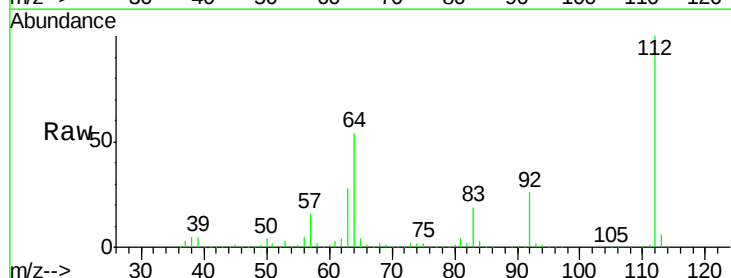
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



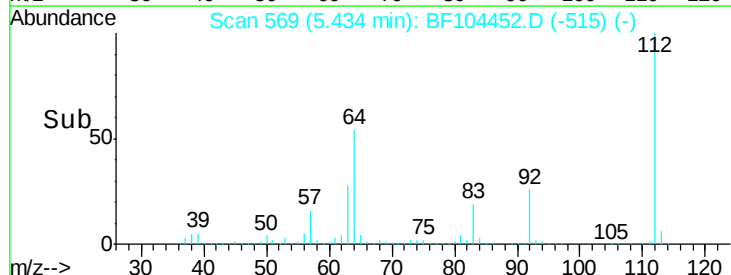
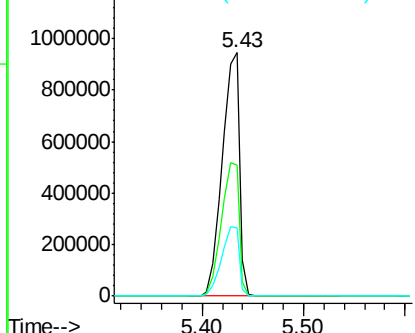
#5

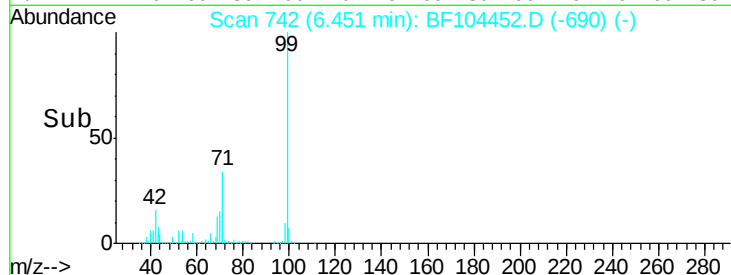
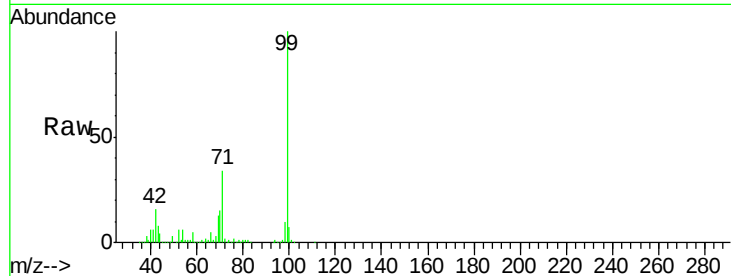
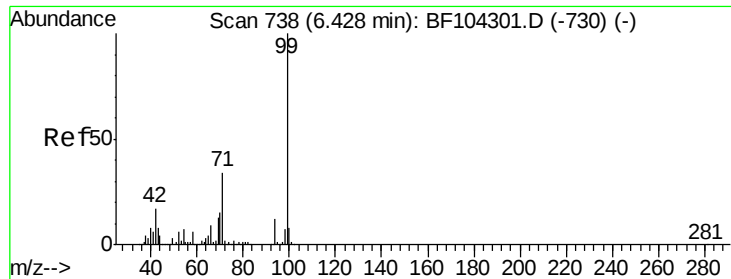
2-Fluorophenol
Concen: 122.318 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion:112 Resp: 1113849
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 28.0 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: 121.101 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampled :

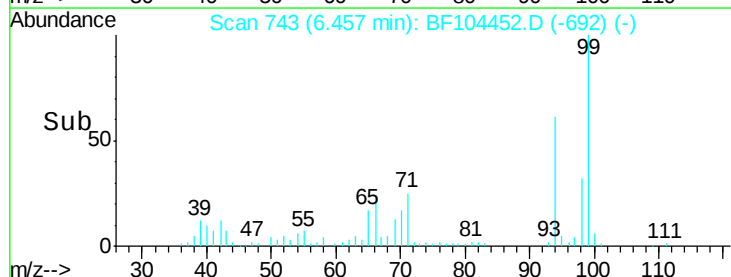
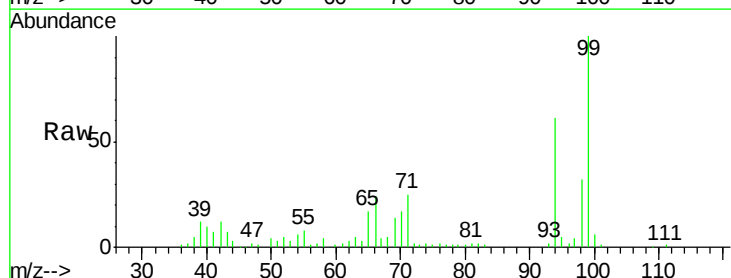
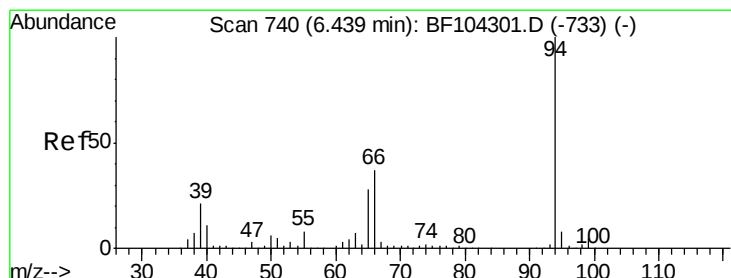
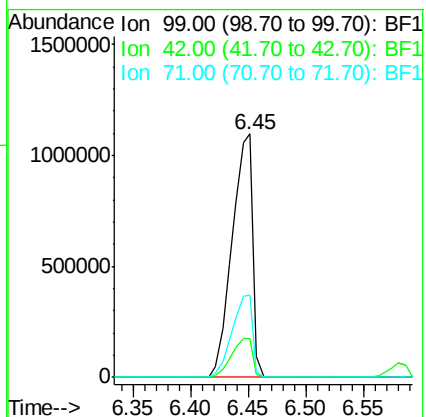
Tot Ion: 99 Resp: 1354943

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.407 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

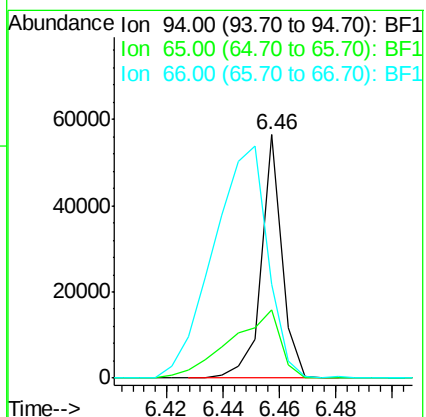
Tgt Ion: 94 Resp: 28572

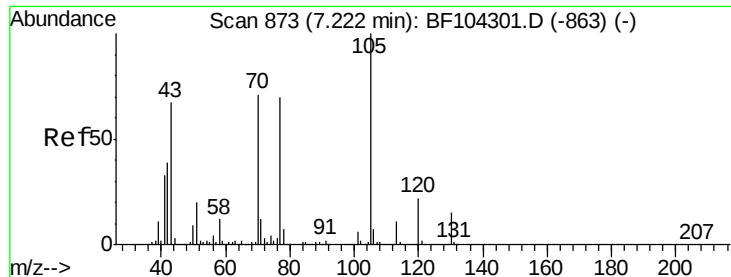
Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 38.7 16.2 56.2

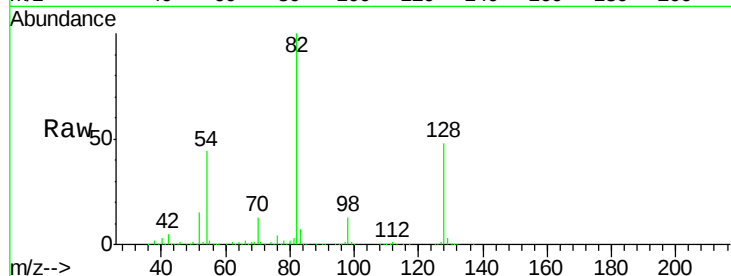




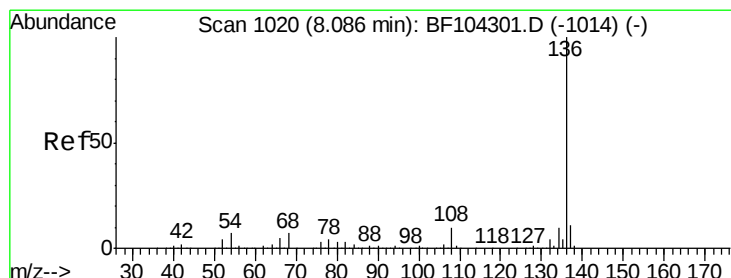
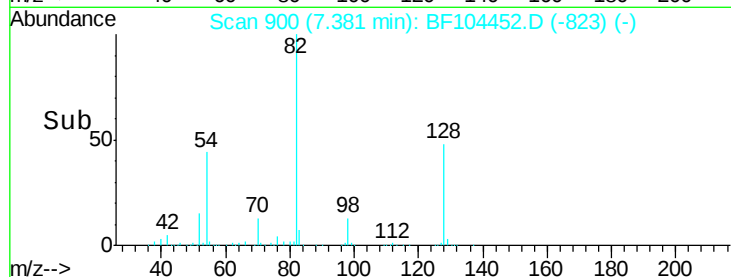
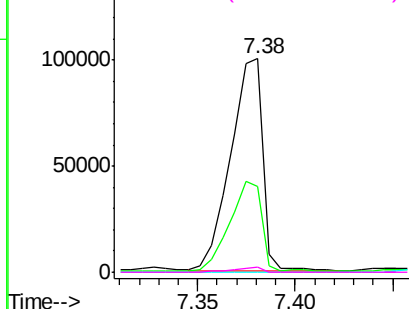
#19
n-Nitroso-di-n-propylamine
Concen: 15.696 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 114756
Ion Ratio Lower Upper
70 100
42 40.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

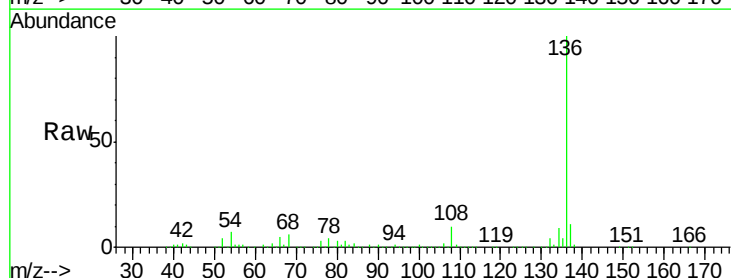


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

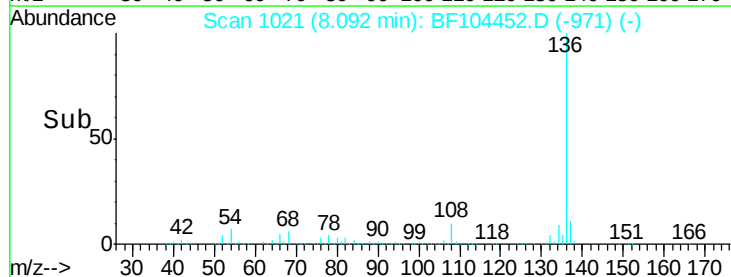
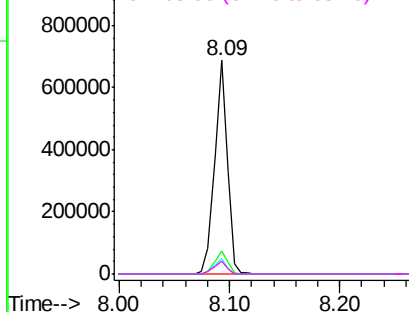


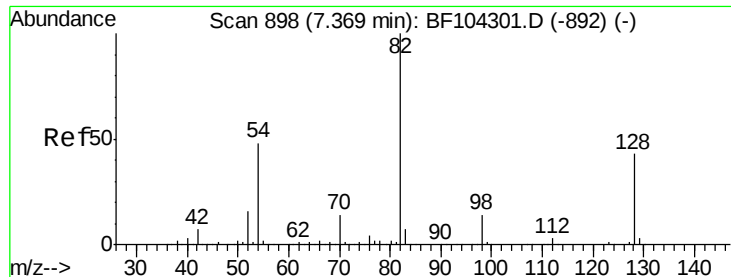
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion: 136 Resp: 545616
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.9 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

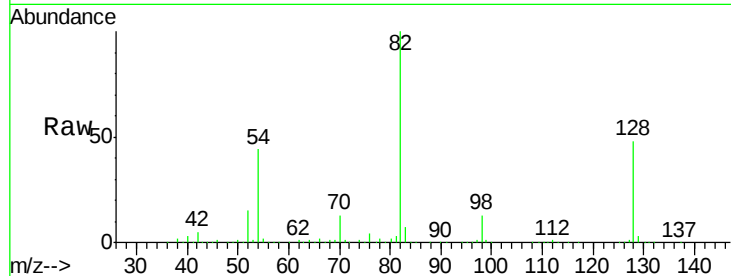




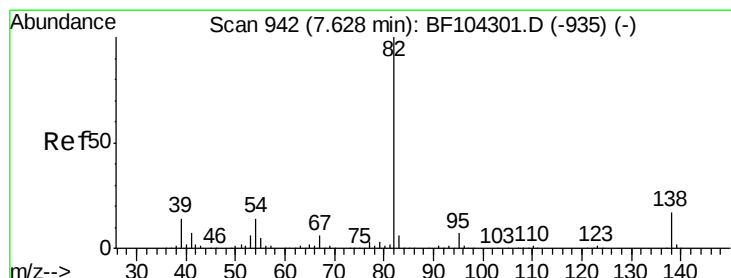
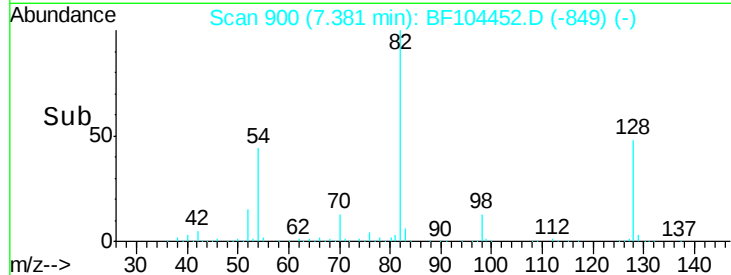
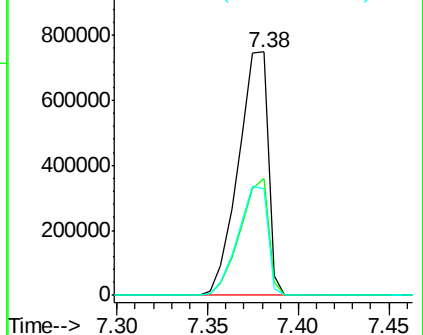
#23
Nitrobenzene-d5
Concen: 102.552 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	856898
Ion Ratio	100	Lower	Upper
128	48.0	36.1	54.1
54	43.6	41.4	62.2

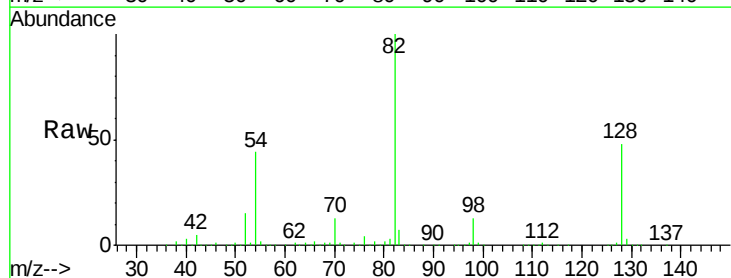


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

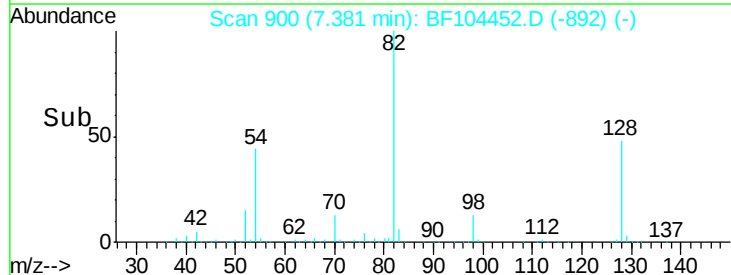
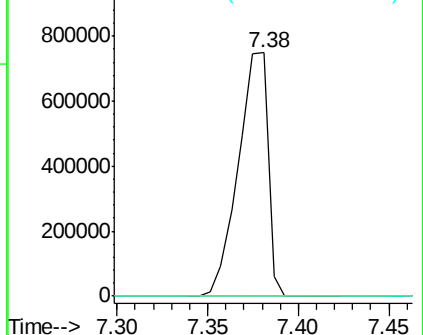


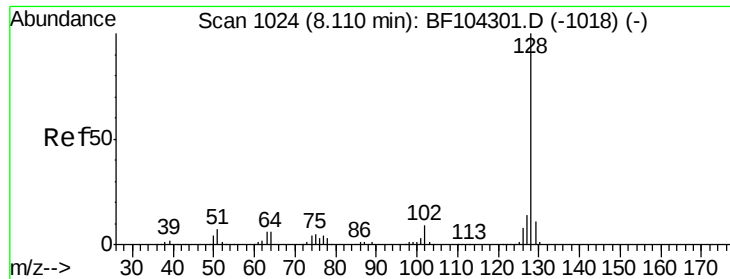
#25
Isophorone
Concen: 48.496 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.25 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion	82	Resp	856898
Ion Ratio	100	Lower	Upper
95	0.1	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

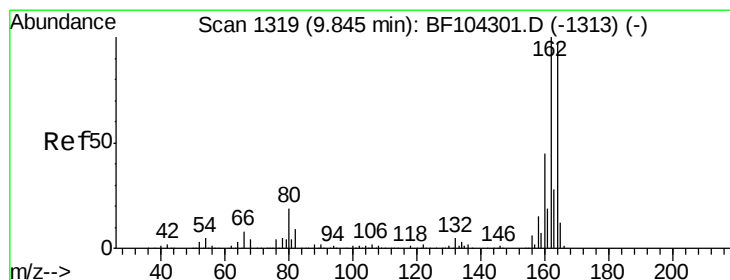
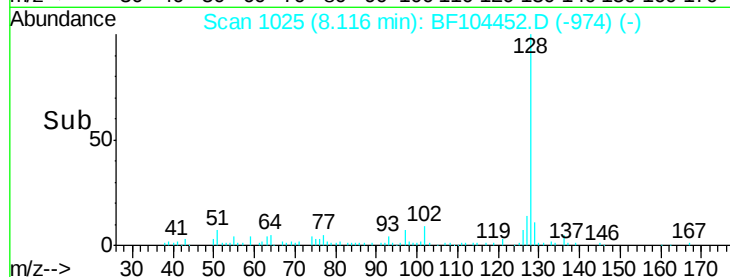
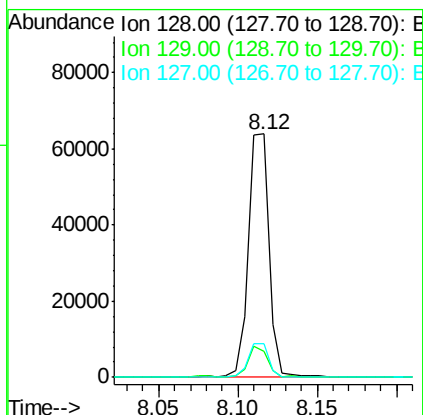
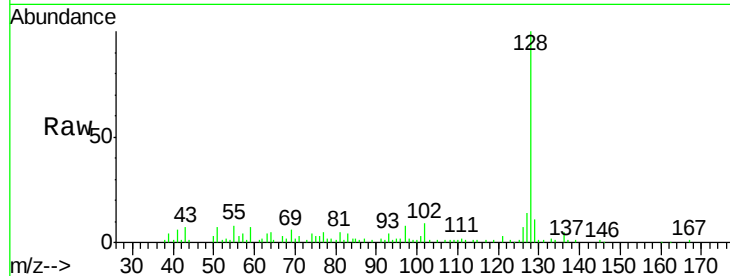




#31
Naphthalene
Concen: 2.123 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

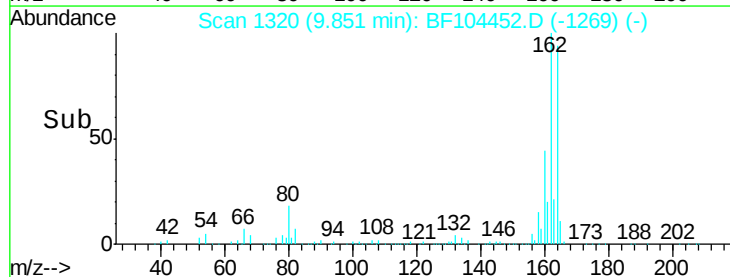
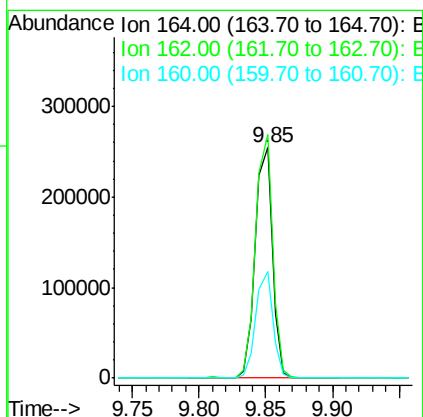
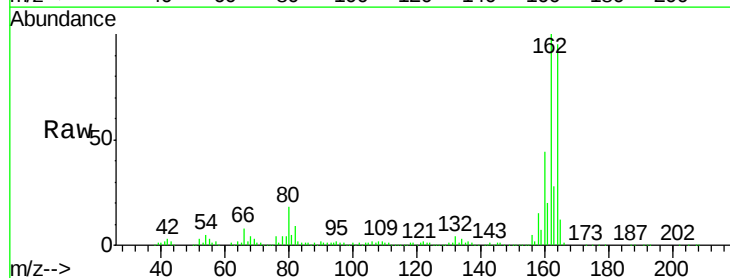
Instrument :
BNA_F
ClientSampleId :

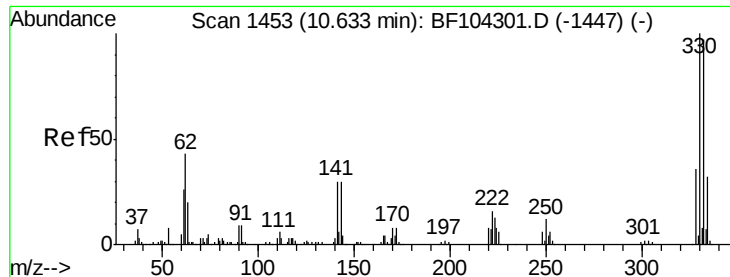
Tot Ion:128 Resp: 57668
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 14.1 10.9 16.3



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion:164 Resp: 224463
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 46.2 38.3 57.5

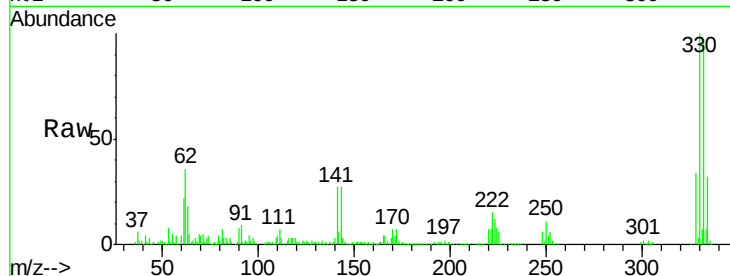




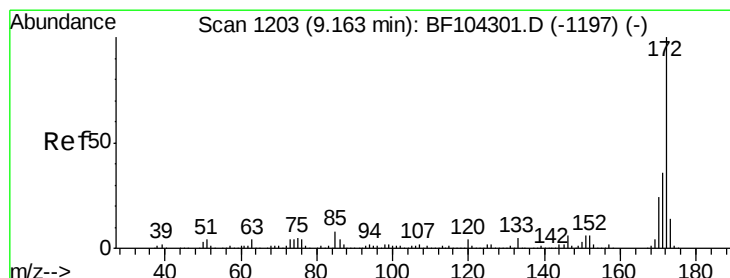
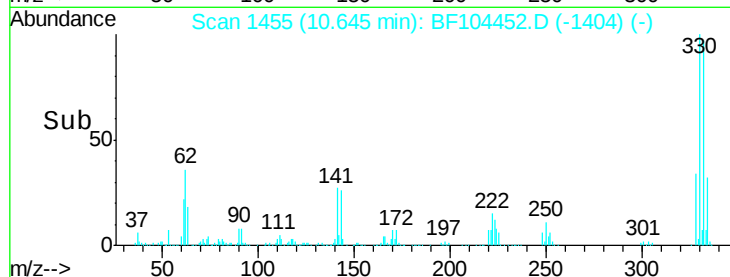
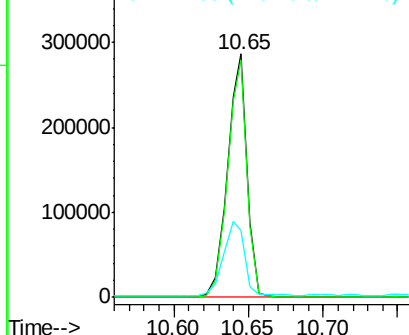
#41
 2,4,6-Tribromophenol
 Concen: 113.600 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.1	29.9	44.9

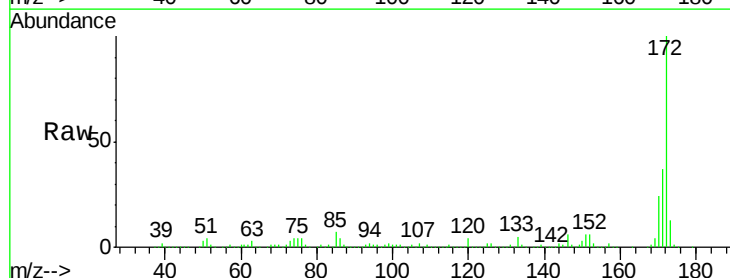


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

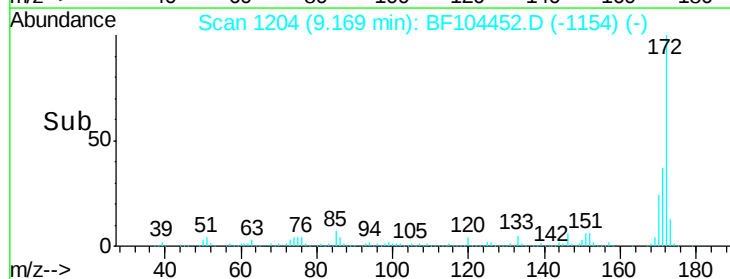
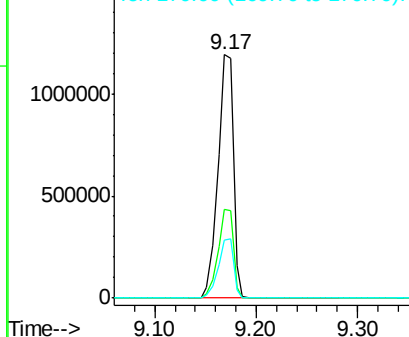


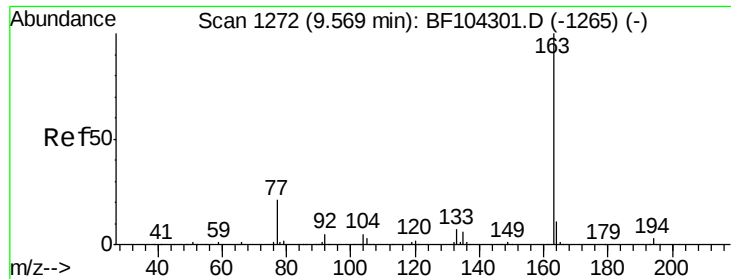
#44
 2-Fluorobiphenyl
 Concen: 88.673 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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

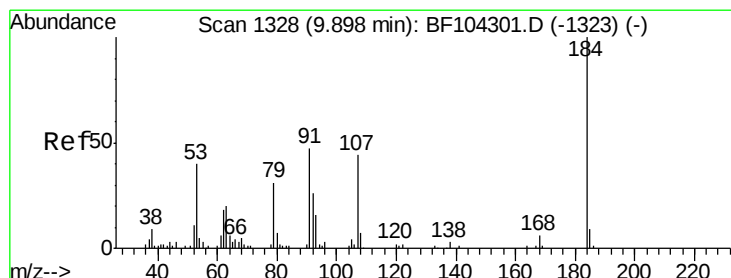
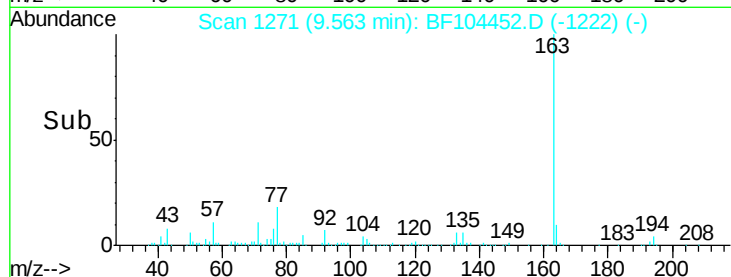
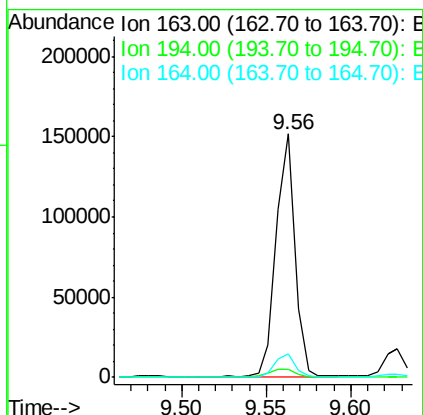
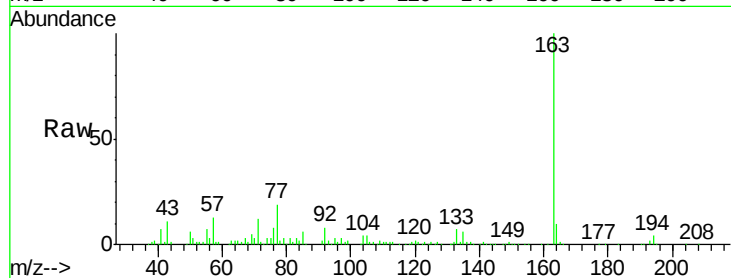




#49
Dimethylphthalate
Concen: 6.499 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

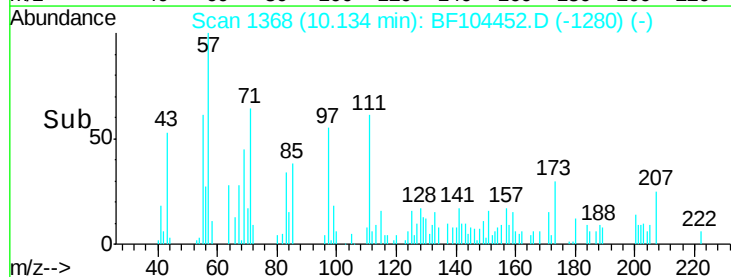
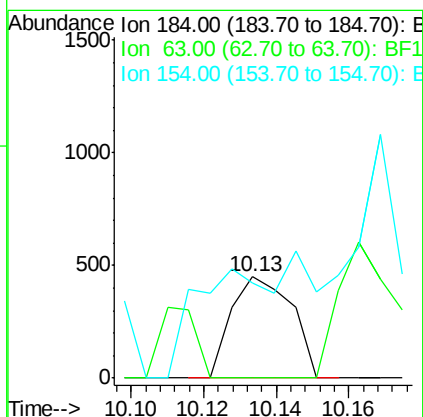
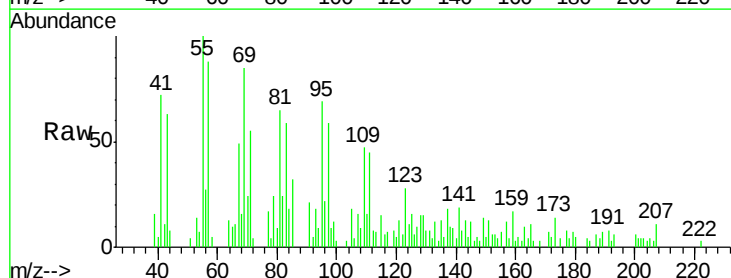
Instrument :
BNA_F
ClientSampleId :

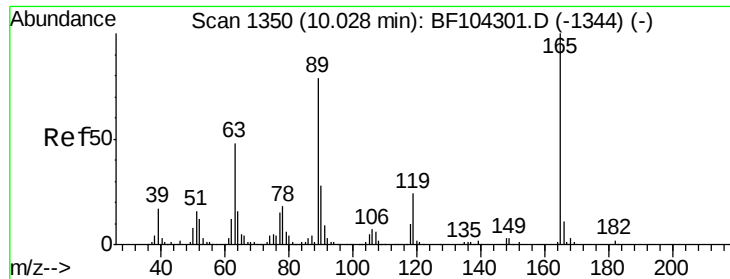
Tot Ion:163 Resp: 115035
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.6 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 5.707 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.22 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion:184 Resp: 520
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 93.6 184.0 276.0#

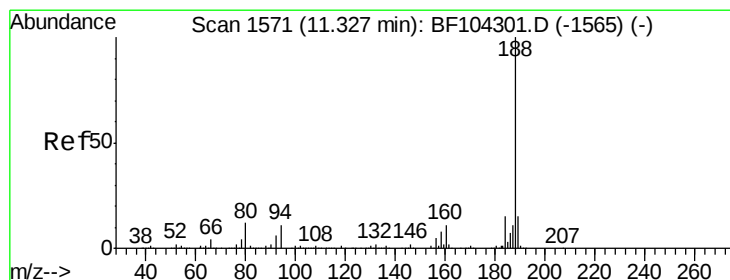
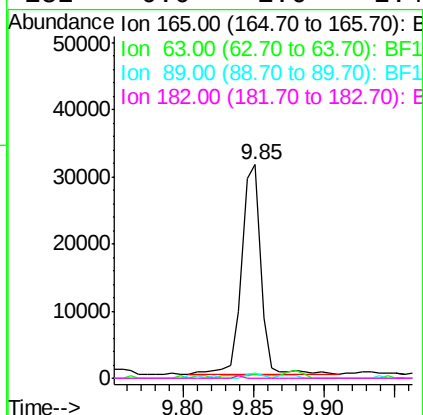
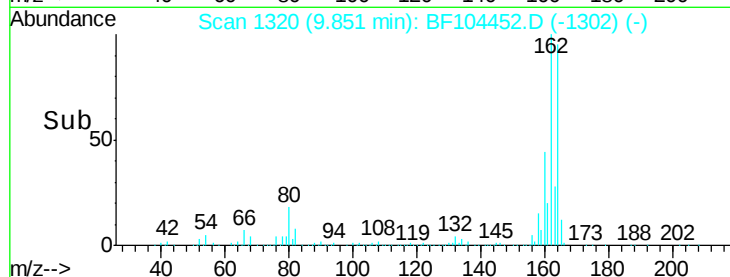
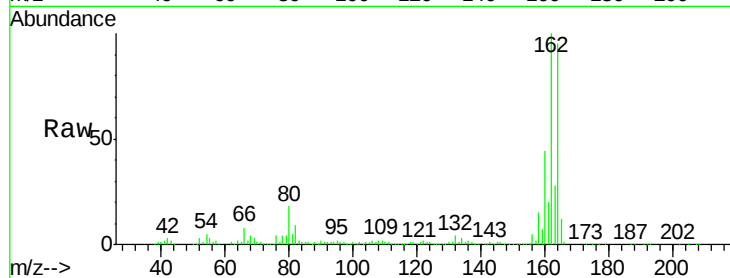




#56
 2,4-Dinitrotoluene
 Concen: 6.976 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

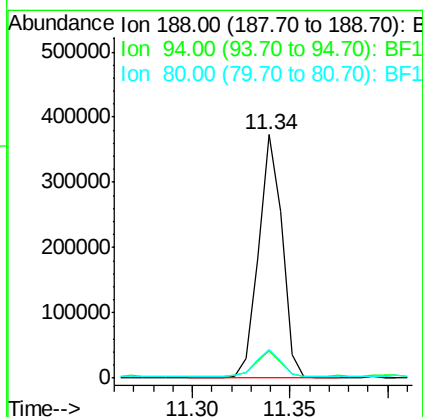
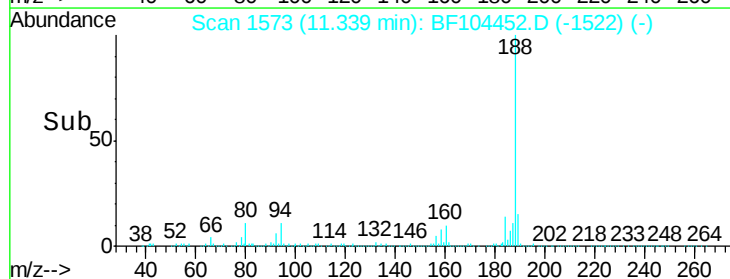
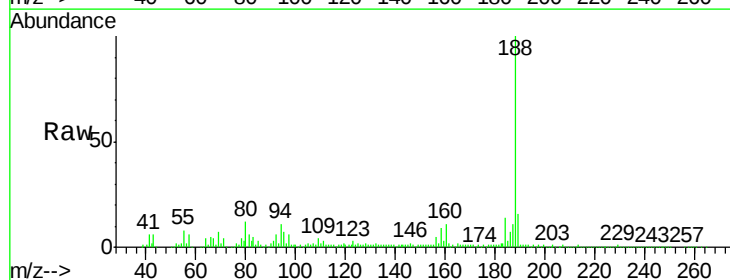
Instrument :
 BNA_F
 ClientSampleId :

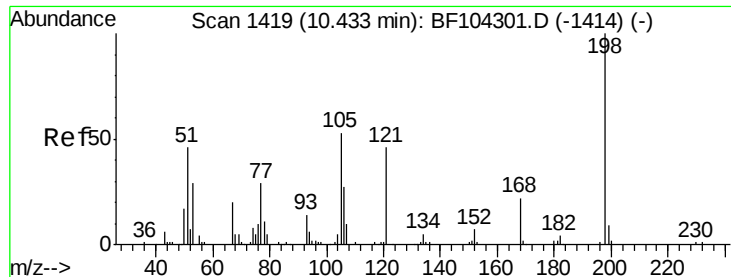
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	2.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF104452.D
 Acq: 12 Apr 2018 15:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	11.8	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.434 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.04 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampleId :

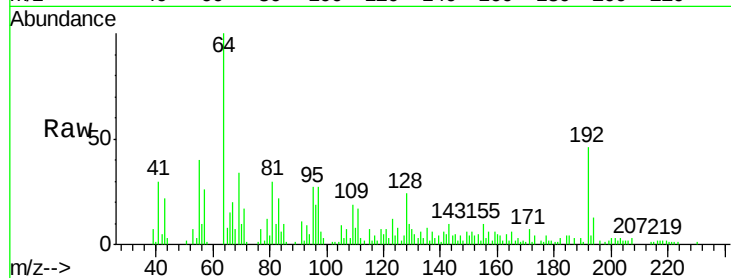
Tot Ion:198 Resp: 156

Ion Ratio Lower Upper

198 100

51 141.0 37.7 77.7#

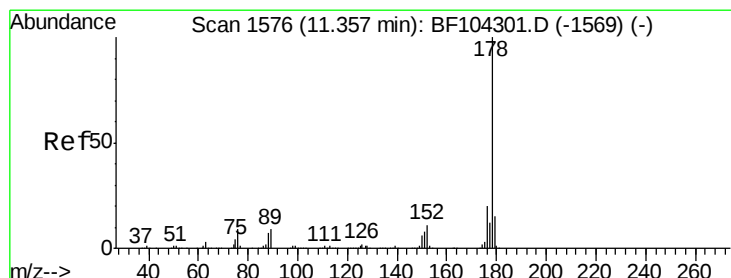
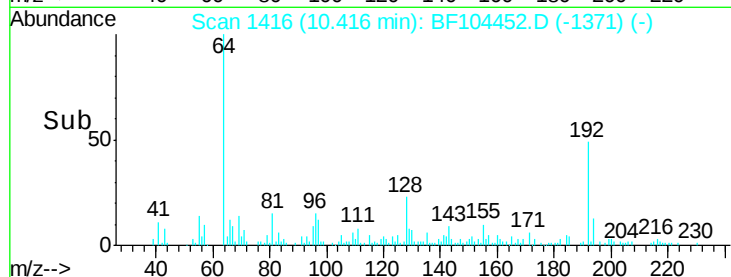
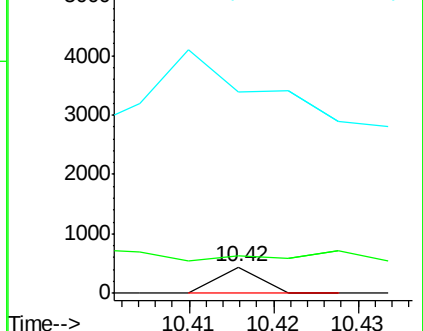
105 766.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 3.356 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

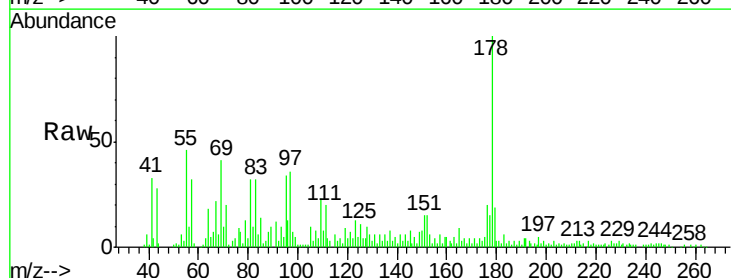
Tgt Ion:178 Resp: 58066

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

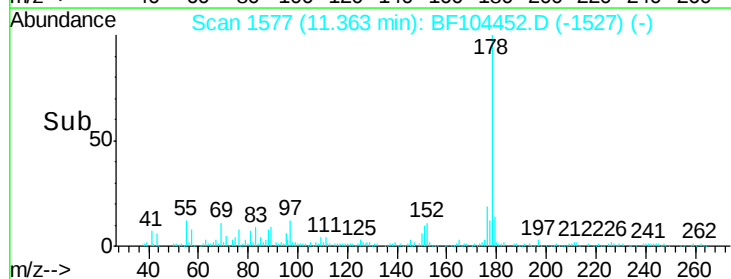
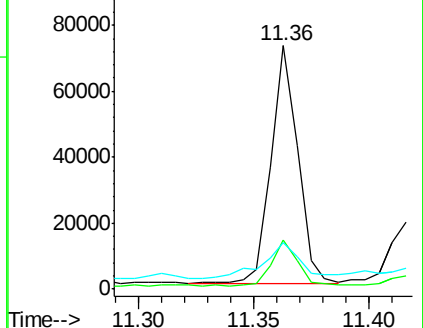
179 19.3 13.0 19.6

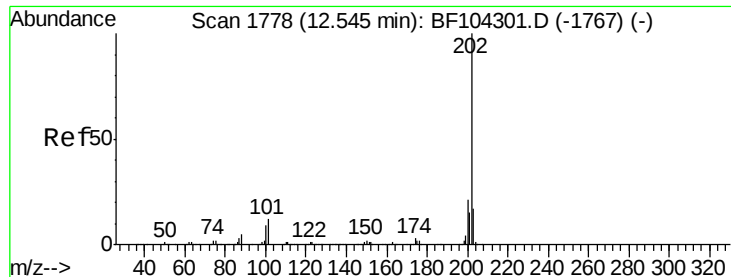


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.109 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.02 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampleId :

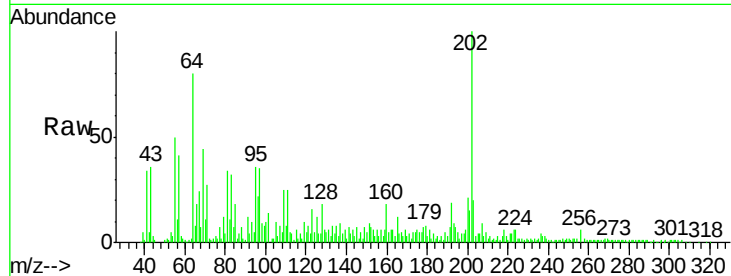
Tot Ion:202 Resp: 110450

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

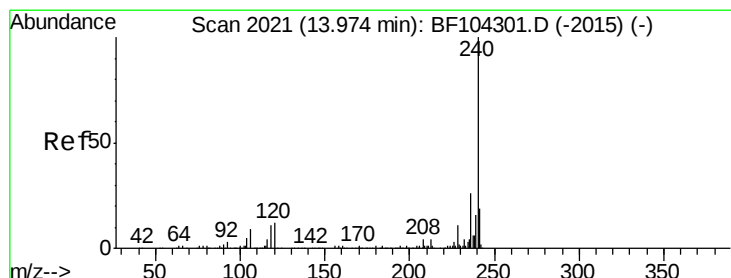
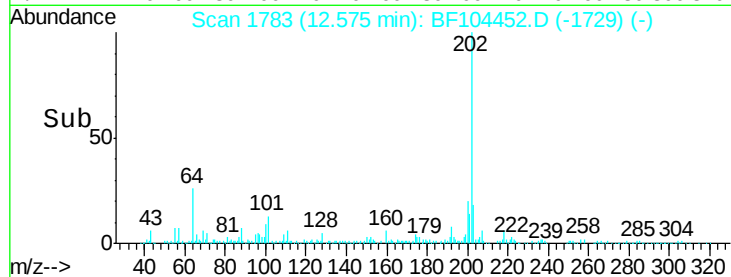
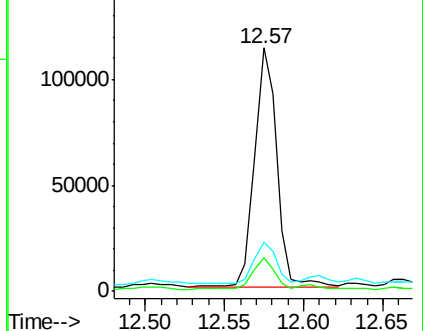
203 20.4 0.0 38.1



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# 2024

Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

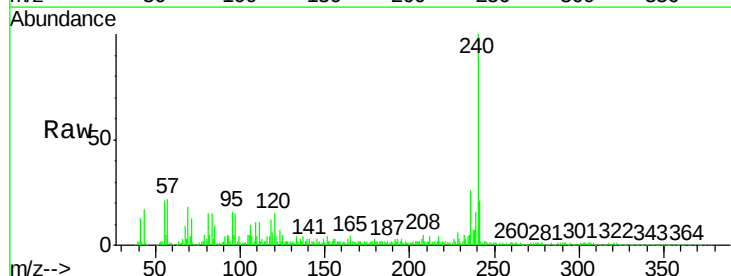
Tgt Ion:240 Resp: 242970

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

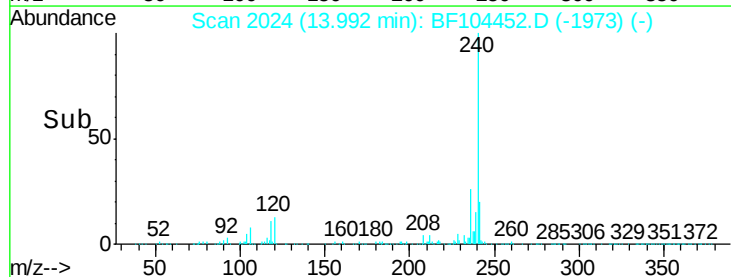
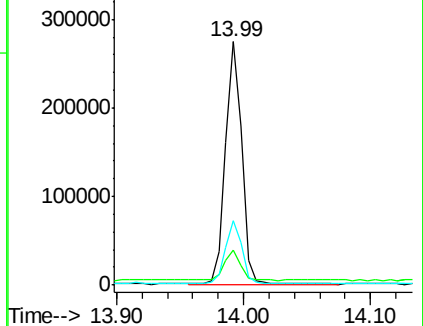
236 26.5 20.7 31.1

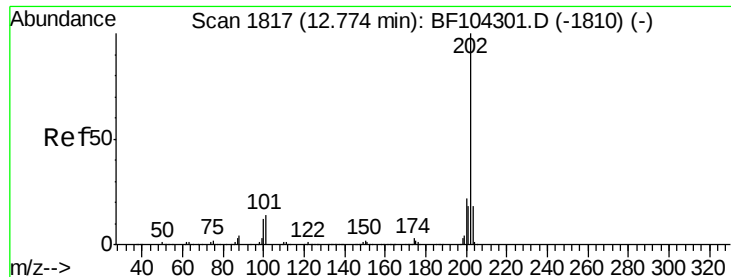


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.133 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.21 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampleId :

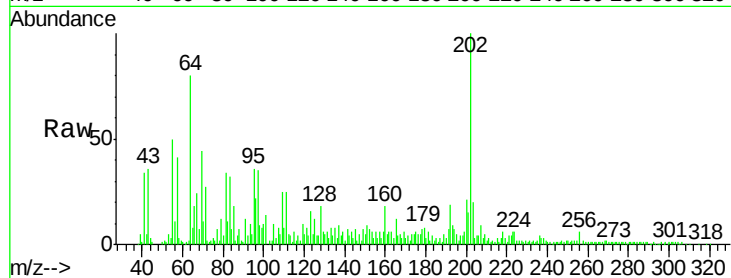
Tot Ion:202 Resp: 110450

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

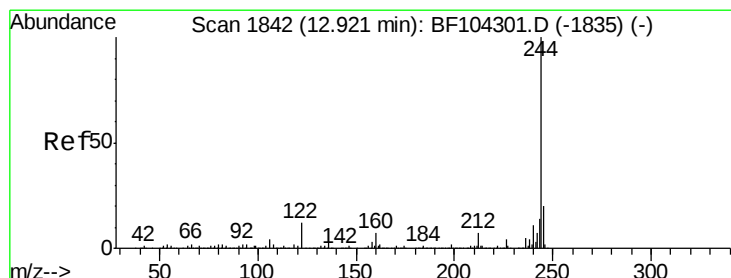
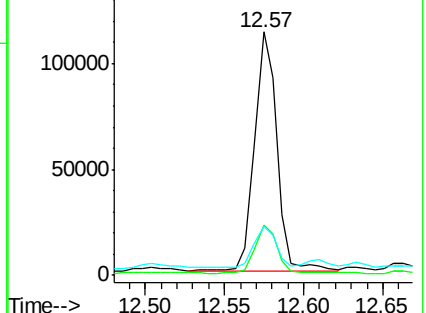
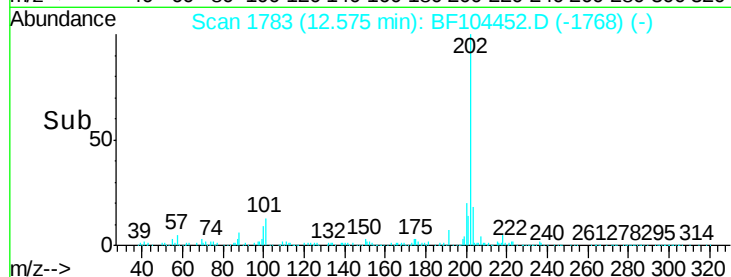
203 20.4 14.3 21.5



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: 75.447 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

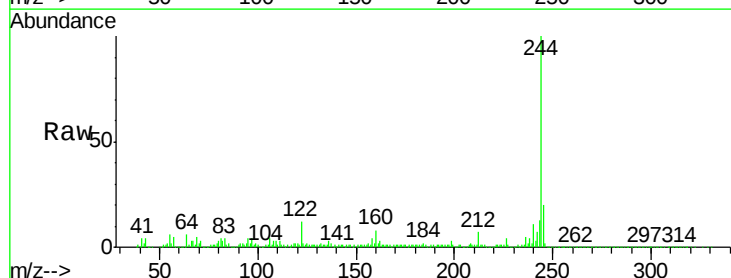
Tgt Ion:244 Resp: 804063

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

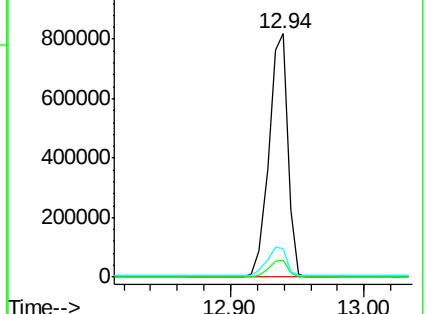
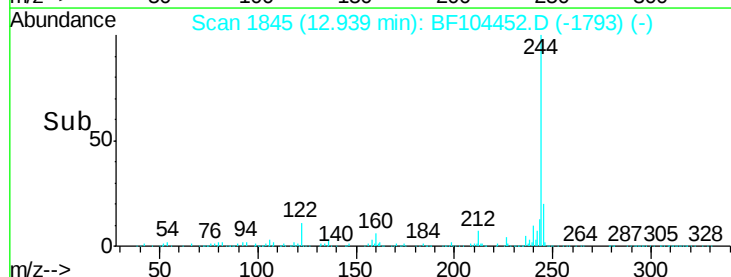
122 11.5 11.0 16.4

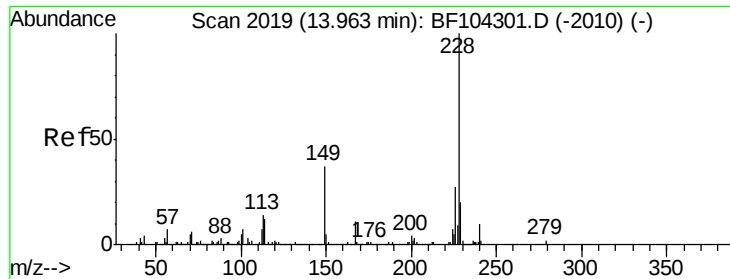


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

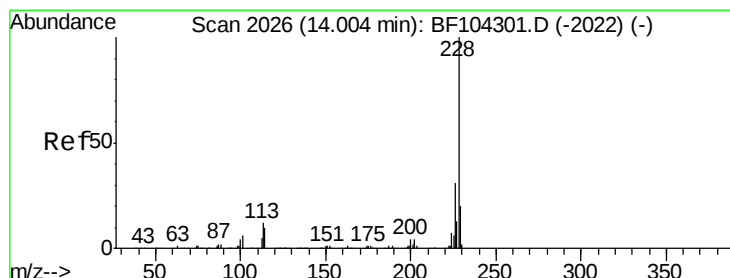
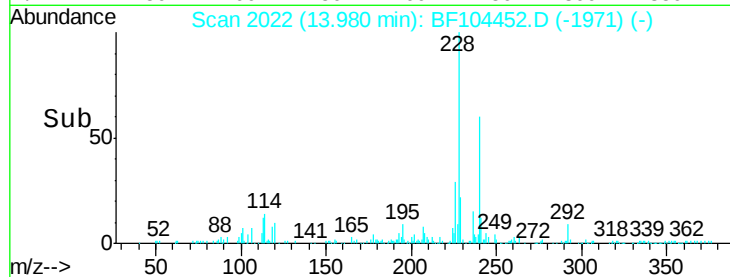
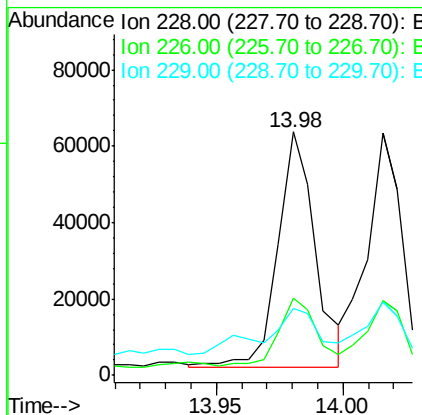
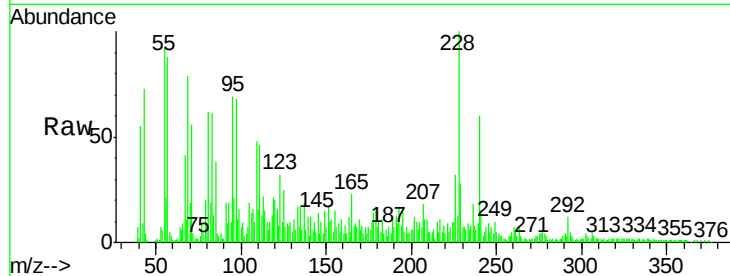




#80
Benzo(a)anthracene
Concen: 4.386 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

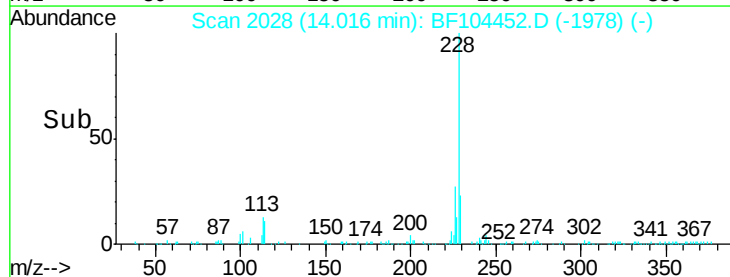
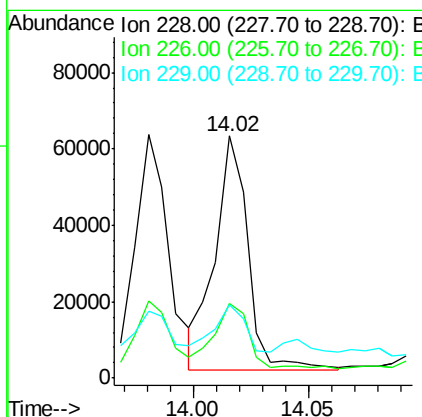
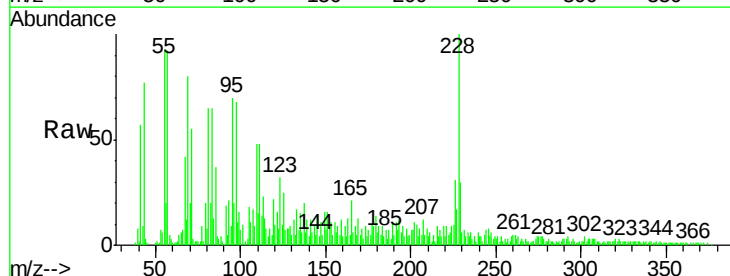
Instrument :
BNA_F
ClientSampleId :

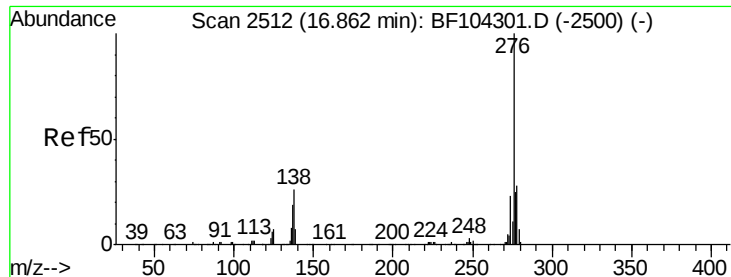
Tot Ion:228 Resp: 63660
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 27.6 15.8 23.6#



#82
Chrysene
Concen: 4.090 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion:228 Resp: 60977
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 30.2 16.2 24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.168 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampleId :

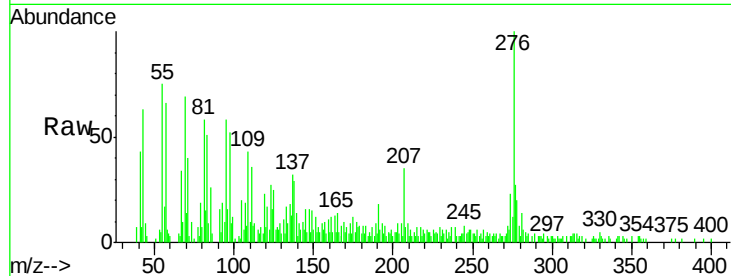
Tot Ion:276 Resp: 27462

Ion Ratio Lower Upper

276 100

138 28.0 25.0 37.6

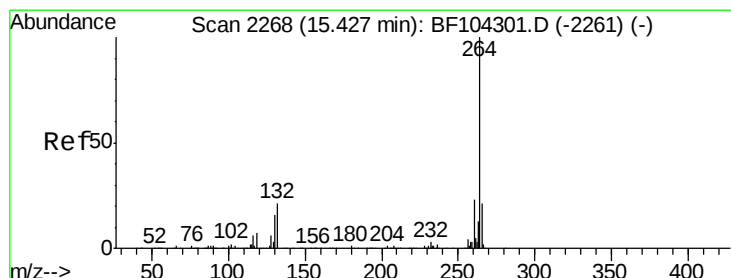
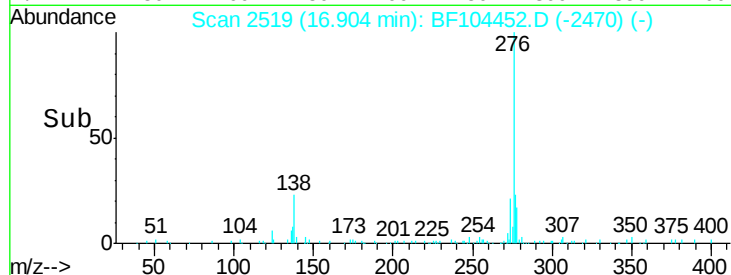
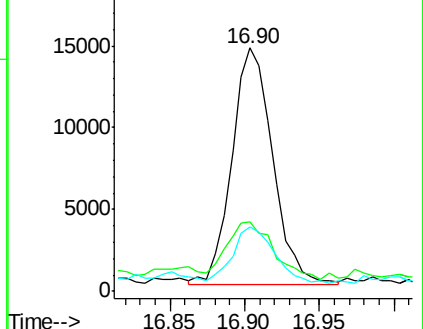
277 24.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

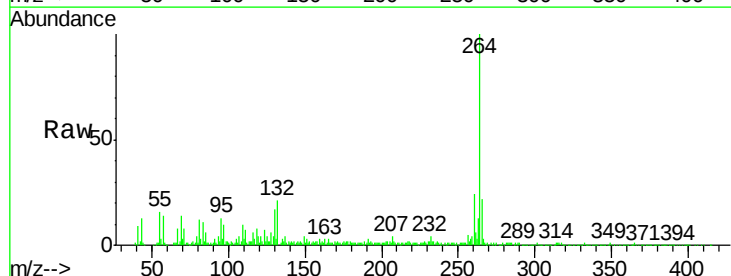
Tgt Ion:264 Resp: 219286

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

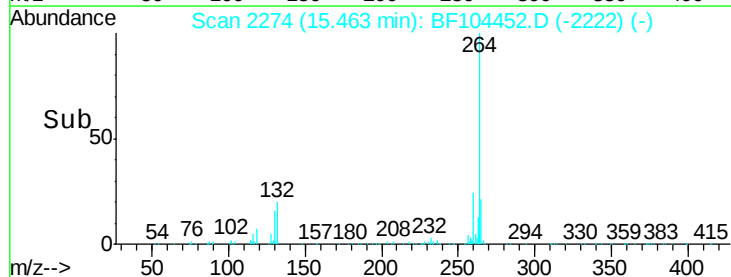
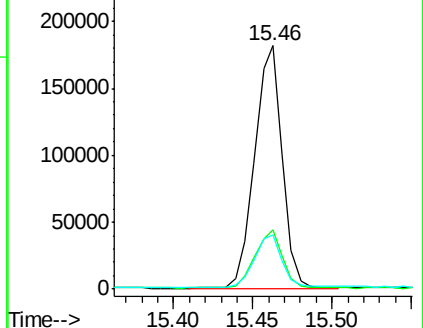
265 22.1 17.5 26.3

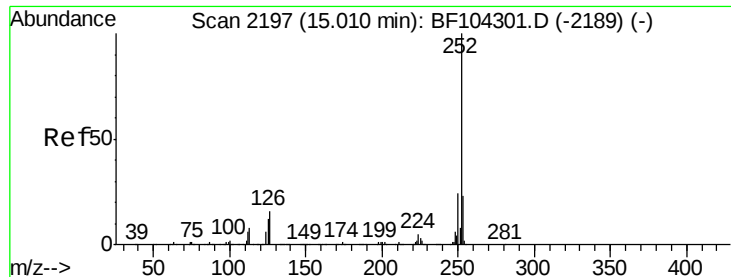


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.701 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

Instrument :

BNA_F

ClientSampleId :

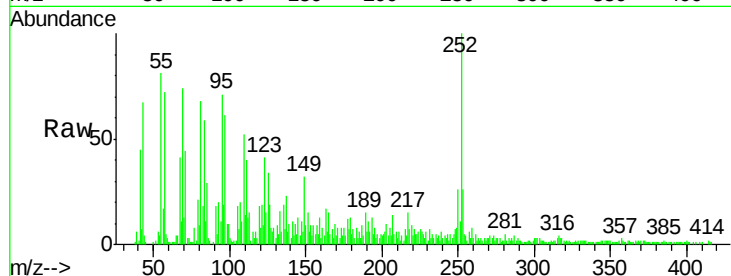
Tot Ion:252 Resp: 92803

Ion Ratio Lower Upper

252 100

253 26.5 17.0 25.6#

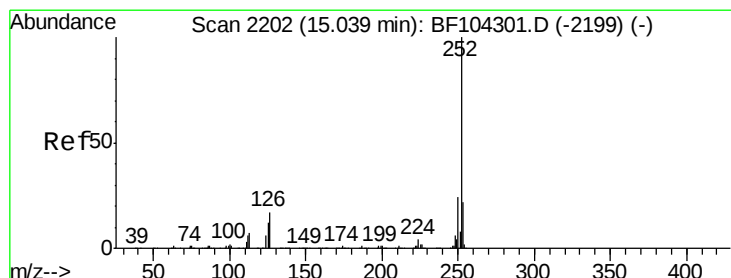
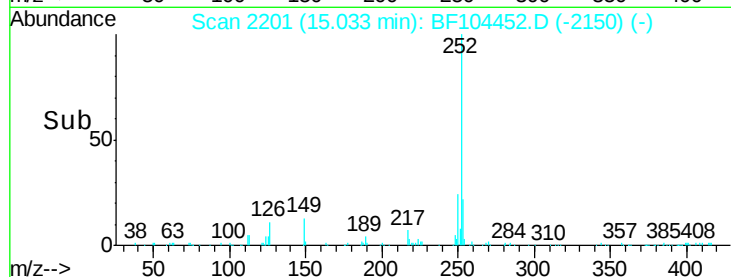
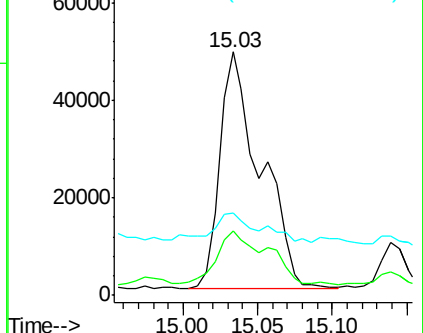
125 33.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.098 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF104452.D

Acq: 12 Apr 2018 15:48

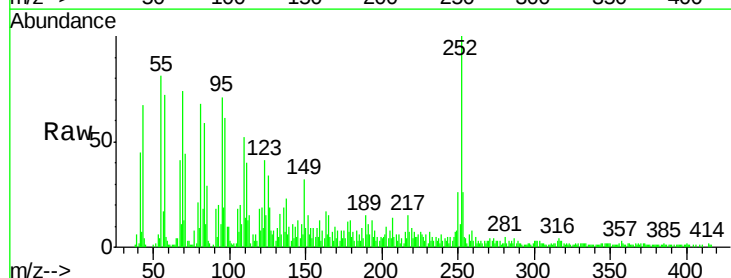
Tgt Ion:252 Resp: 92803

Ion Ratio Lower Upper

252 100

253 26.5 17.9 26.9

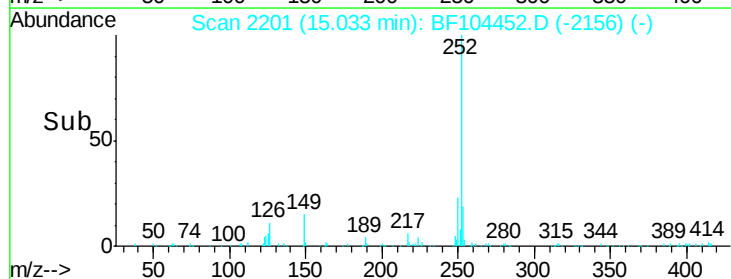
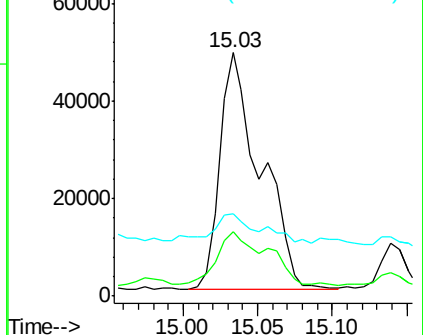
125 33.9 10.2 15.2#

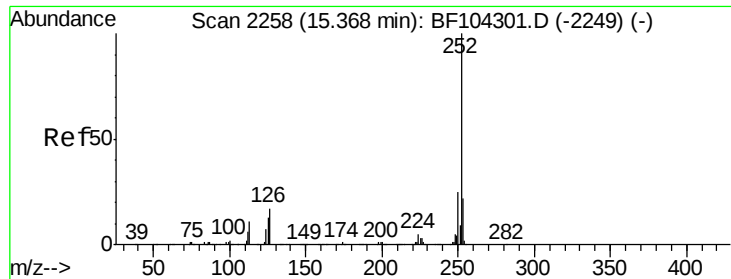


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

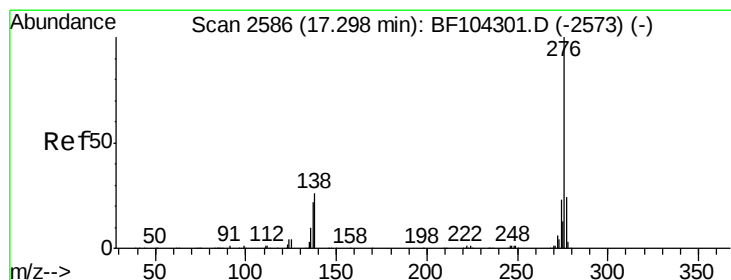
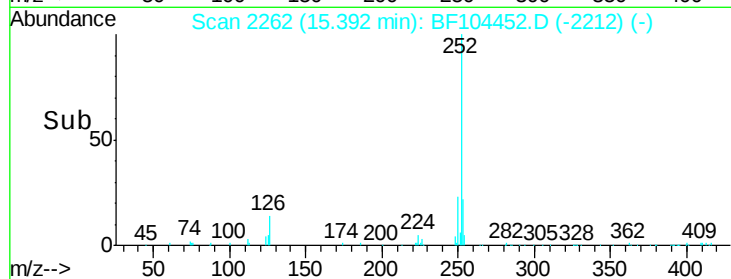
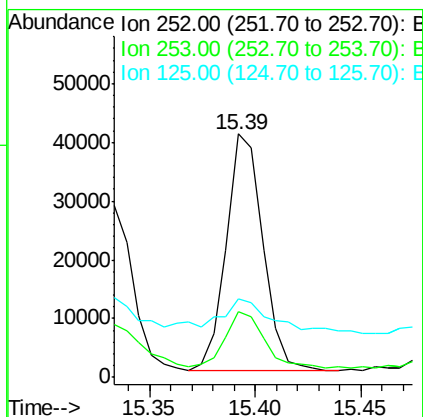
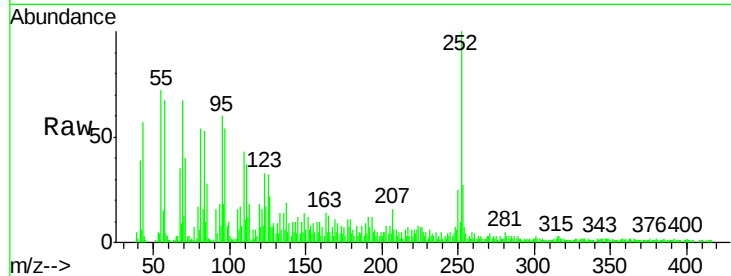




#89
Benzo(a)pyrene
Concen: 3.904 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48382
Ion Ratio Lower Upper
252 100
253 26.8 17.1 25.7#
125 32.4 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.629 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104452.D
Acq: 12 Apr 2018 15:48

Tgt Ion:276 Resp: 25921
Ion Ratio Lower Upper
276 100
277 27.6 17.9 26.9#
138 25.6 21.8 32.8

