

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104365.D
 Acq On : 9 Apr 2018 12:12
 Operator : JU/SJ
 Sample : J2148-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:13:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145473	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	582993	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	264138	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	445022	20.00	ng	0.00
75) Chrysene-d12	13.97	240	276233	20.00	ng	0.00
86) Perylene-d12	15.43	264	300620	20.00	ng	0.00

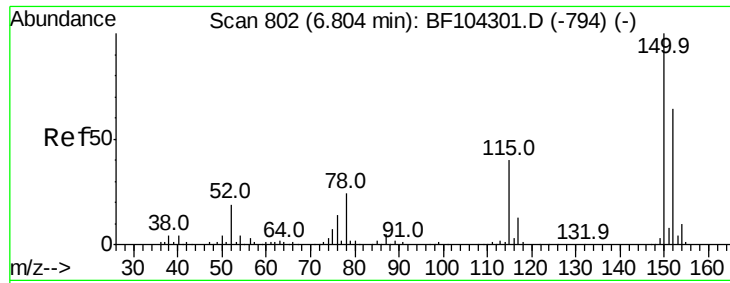
System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1315820	138.30	ng	0.02
7) Phenol-d6	6.44	99	1628339	139.30	ng	0.01
23) Nitrobenzene-d5	7.37	82	1020403	114.29	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	398696	145.51	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1572755	94.06	ng	0.00
78) Terphenyl-d14	12.92	244	1298381	107.16	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.35	77	1178	Below Cal		90
10) Phenol	6.45	94	30236	2.438 ng	#	56
19) n-Nitroso-di-n-propylamine	7.37	70	137188	17.960 ng	#	74
25) Isophorone	7.37	82	1019992	54.025 ng	#	64
49) Dimethylphthalate	9.56	163	140153	6.729 ng		99
56) 2,4-Dinitrotoluene	9.84	165	34604	6.845 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	882	7.692 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	24143	5.100 ng	#	1
74) Fluoranthene	12.54	202	94303	3.642 ng		97
76) Benzidine	12.92	184	18488	Below Cal		96
77) Pyrene	12.77	202	93242	4.554 ng		99
80) Benzo(a)anthracene	13.96	228	40009	2.424 ng		91
82) Chrysene	13.99	228	43705	2.578 ng		98
85) Indeno(1,2,3-cd)pyrene	16.86	276	32791	2.277 ng		94
87) Benzo(b)fluoranthene	15.00	252	81136	4.273 ng	#	90
88) Benzo(k)fluoranthene	15.00	252	81136	4.526 ng	#	93
89) Benzo(a)pyrene	15.37	252	45899	2.702 ng	#	90
91) Benzo(g,h,i)perylene	17.30	276	33388	2.470 ng		94

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

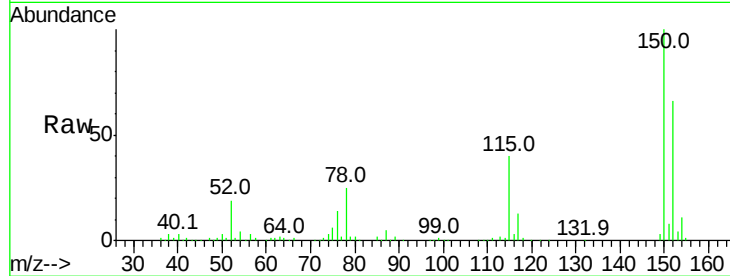


#1

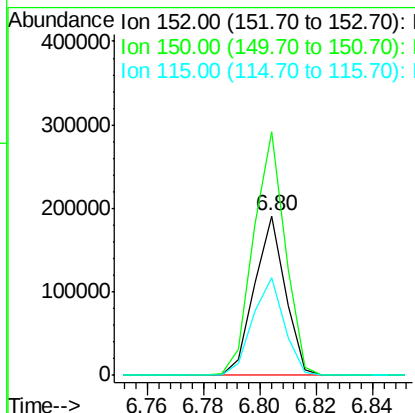
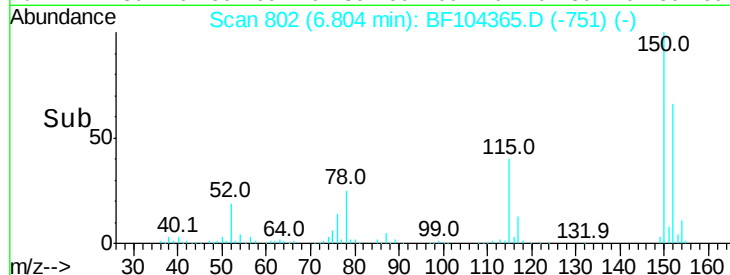
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145473
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 61.6 50.1 75.1



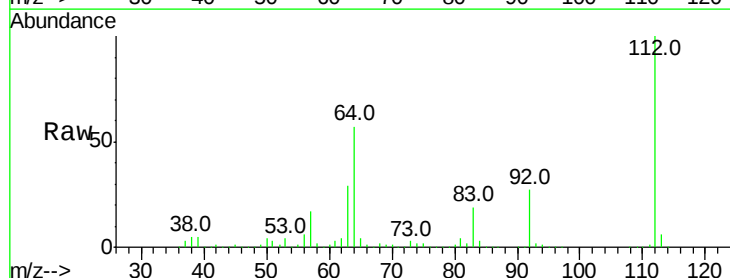
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



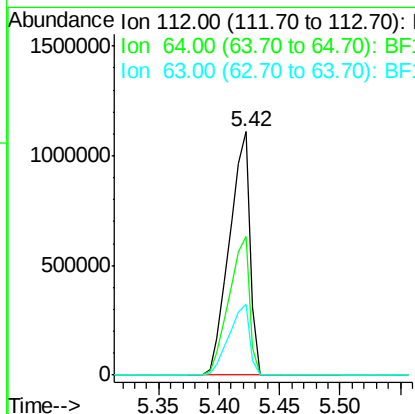
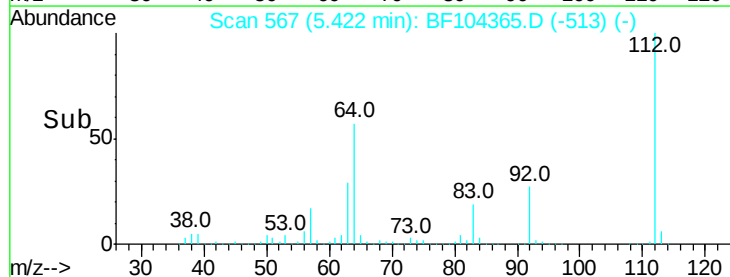
#5

2-Fluorophenol
Concen: 138.305 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

Tgt Ion:112 Resp: 1315820
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 28.8 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: 139.299 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

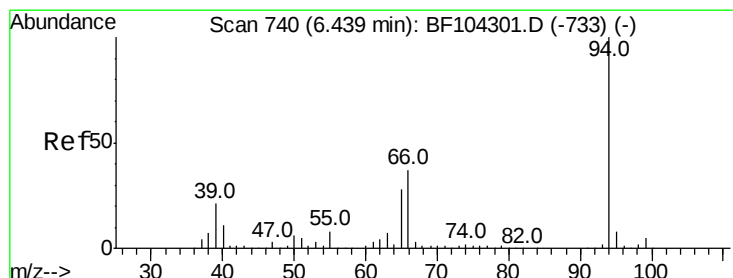
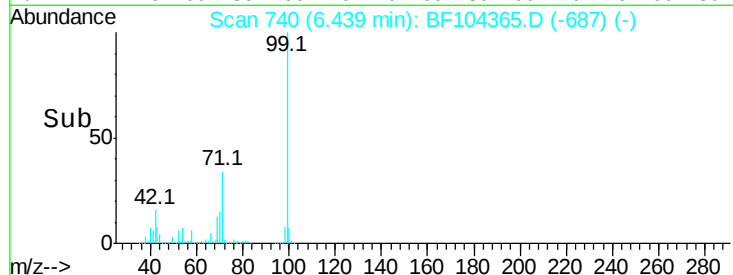
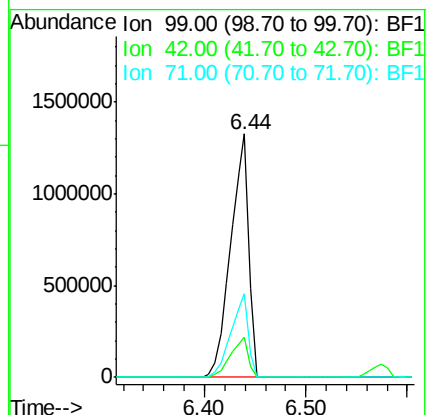
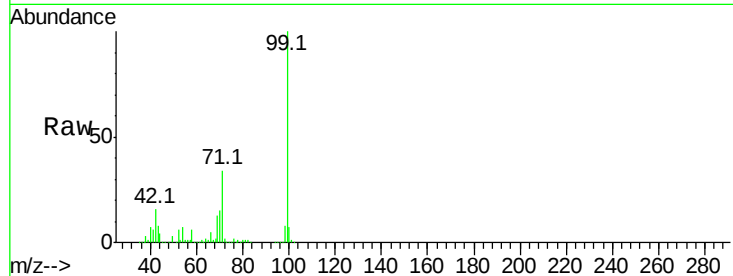
Tot Ion: 99 Resp: 1628339

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 34.4 25.4 38.0



#10

Phenol

Concen: 2.438 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

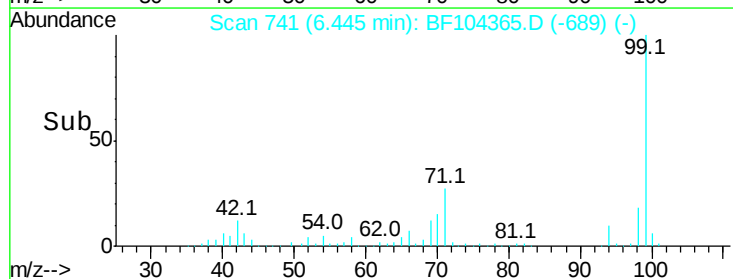
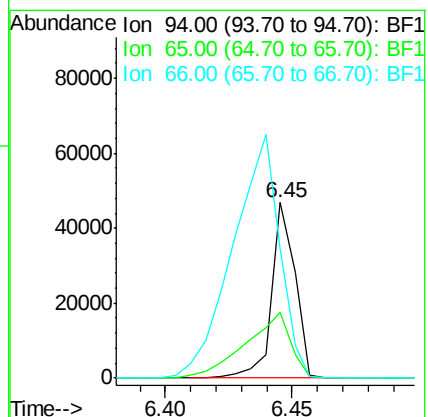
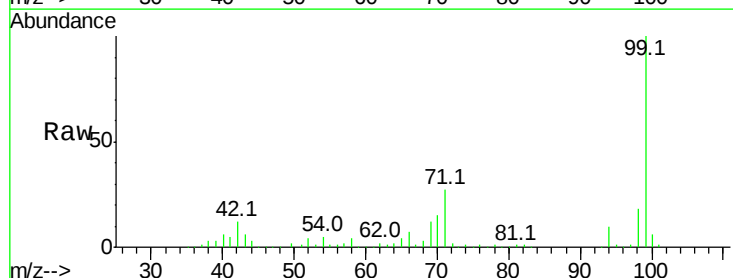
Tgt Ion: 94 Resp: 30236

Ion Ratio Lower Upper

94 100

65 37.8 7.9 47.9

66 73.9 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 17.960 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 137188

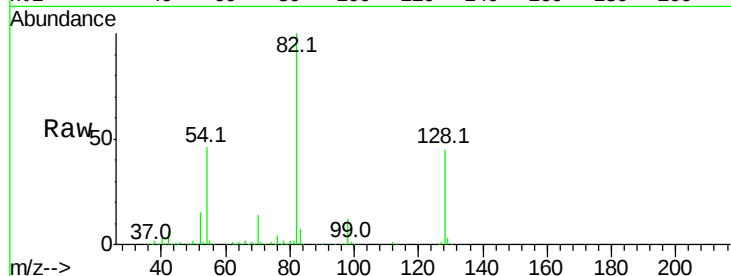
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

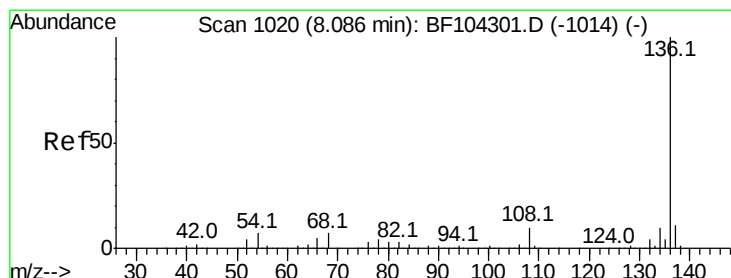
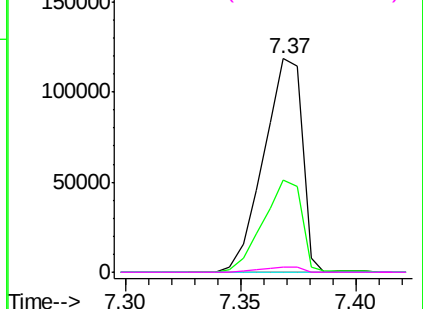
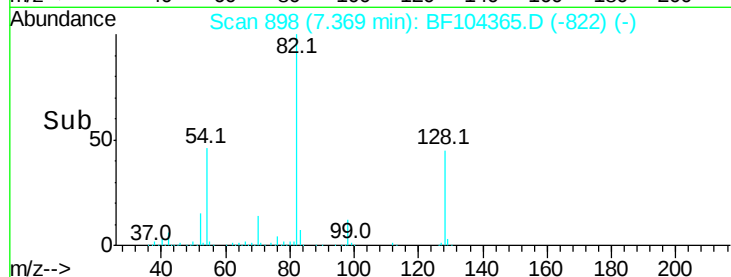


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Tgt Ion:136 Resp: 582993

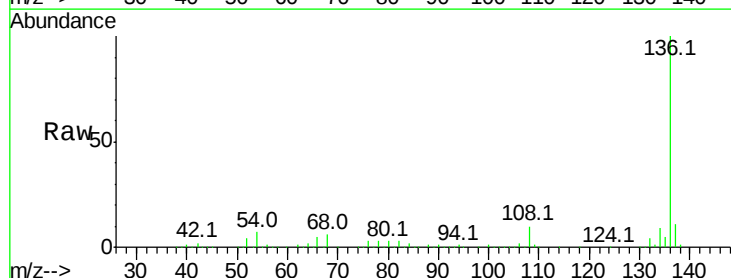
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.9 6.6 9.8

68 6.2 5.0 7.4

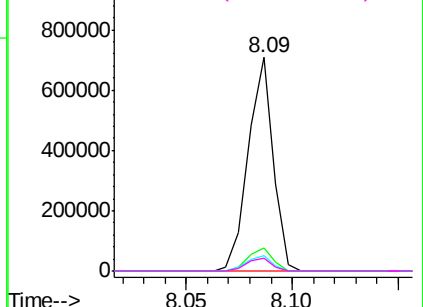
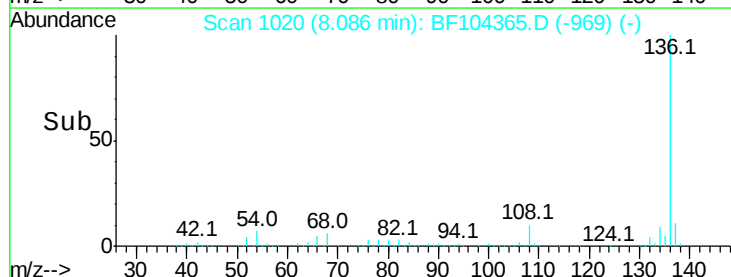


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

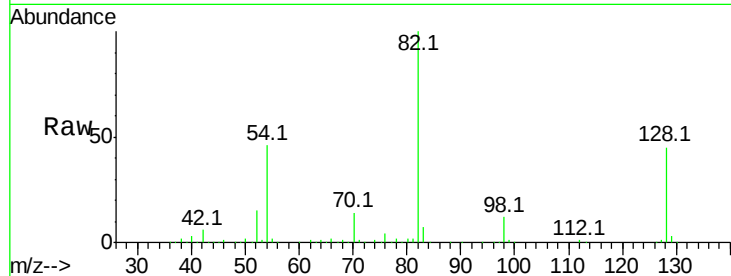




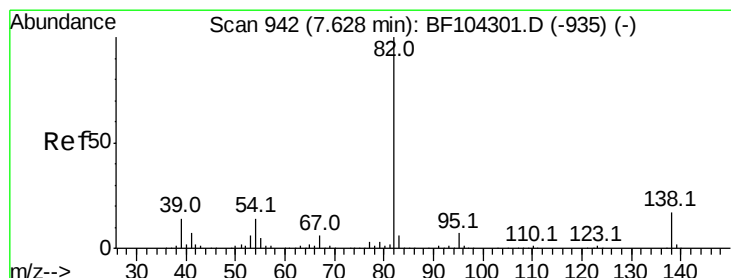
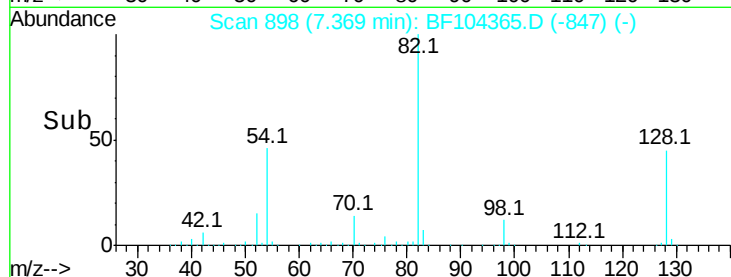
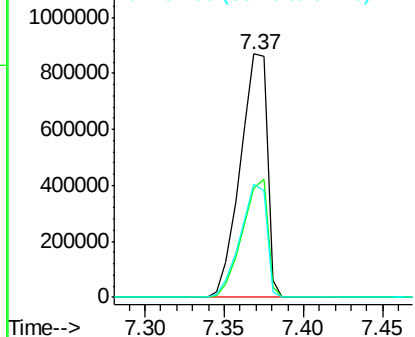
#23
 Nitrobenzene-d5
 Concen: 114.290 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1020403
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.1 54.1
 54 46.4 41.4 62.2

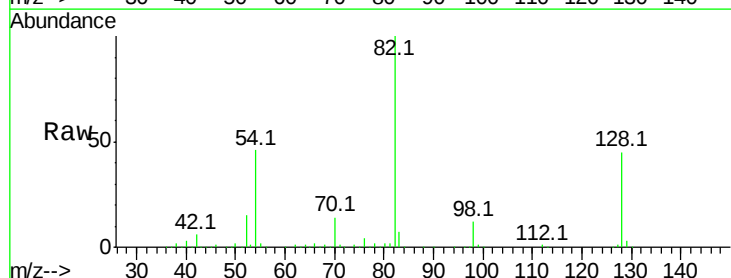


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

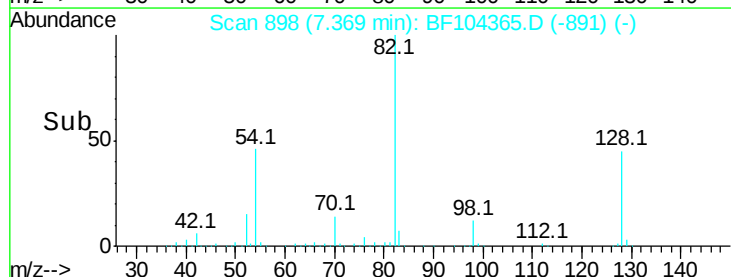
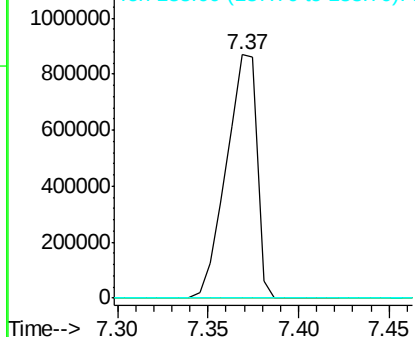


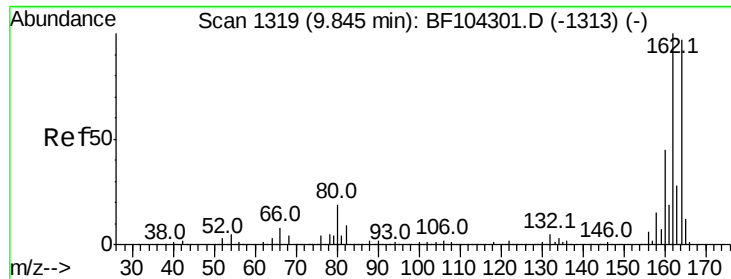
#25
 Isophorone
 Concen: 54.025 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

Tgt Ion: 82 Resp: 1019992
 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

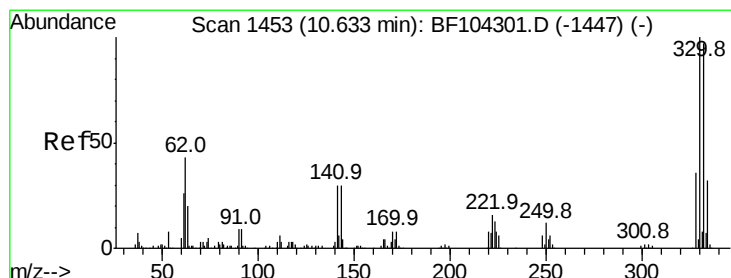
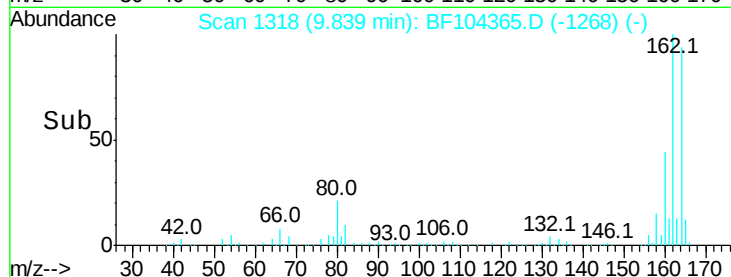
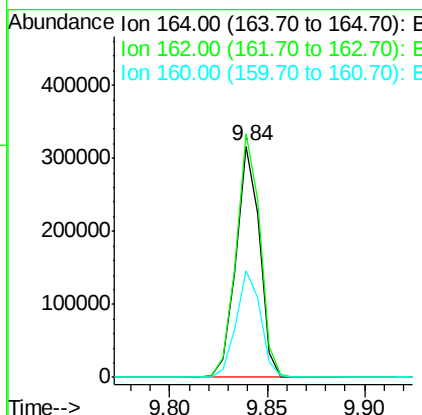
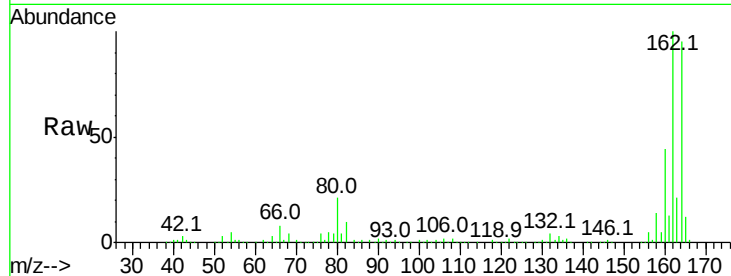




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

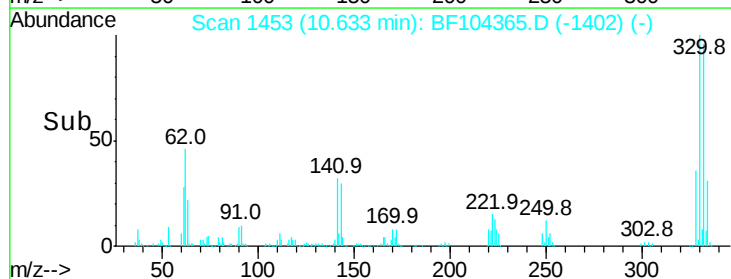
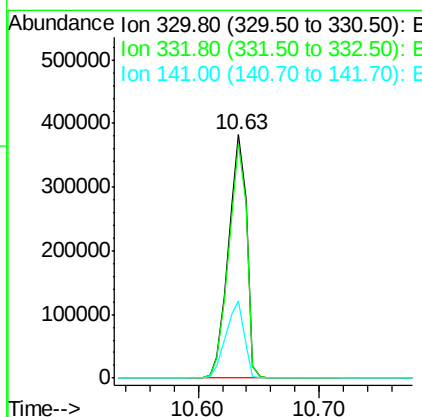
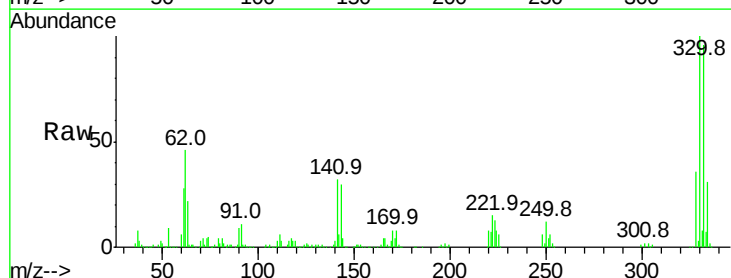
Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 264138
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 46.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 145.511 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

Tgt Ion:330 Resp: 398696
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 32.3 29.9 44.9

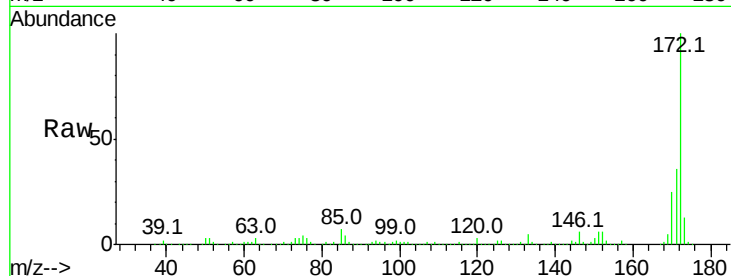




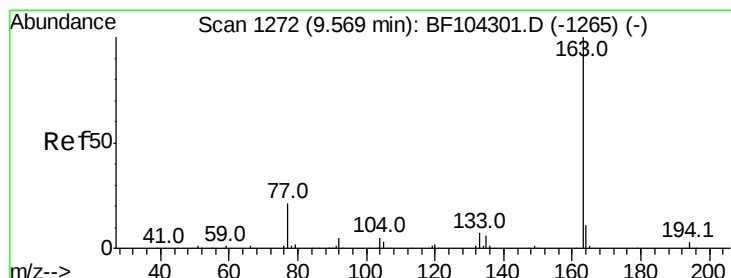
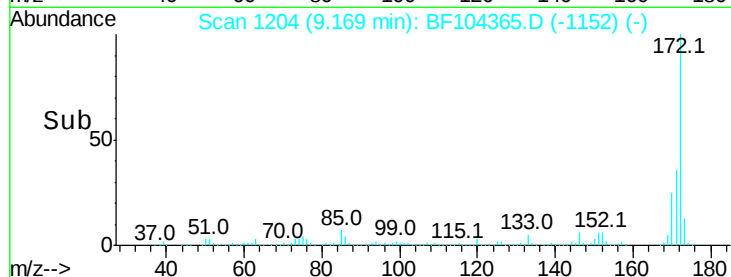
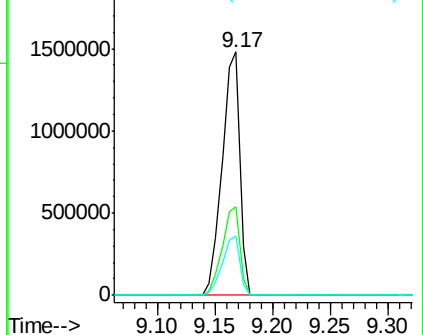
#44
2-Fluorobiphenyl
Concen: 94.063 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1572755
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.6 19.6 29.4

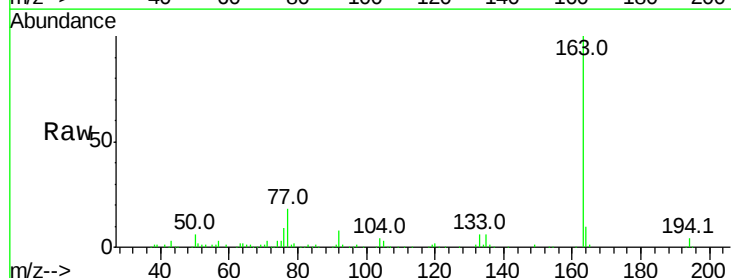


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

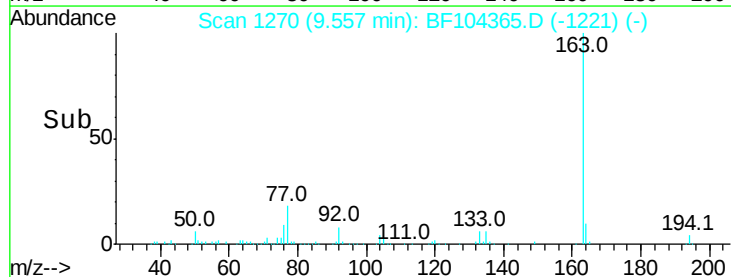
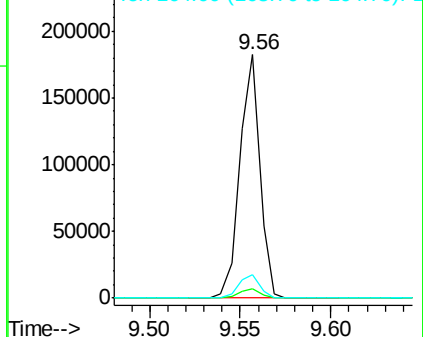


#49
Dimethylphthalate
Concen: 6.729 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104365.D
Acq: 9 Apr 2018 12:12

Tgt Ion:163 Resp: 140153
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.7 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

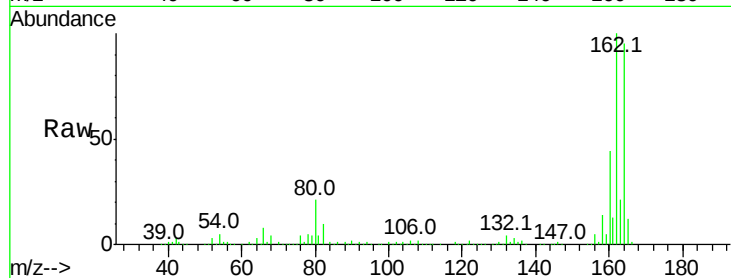




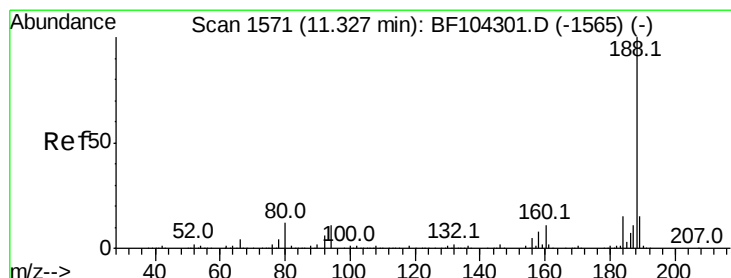
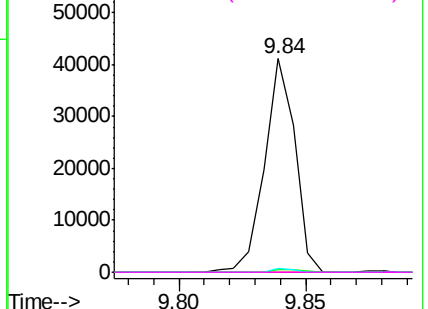
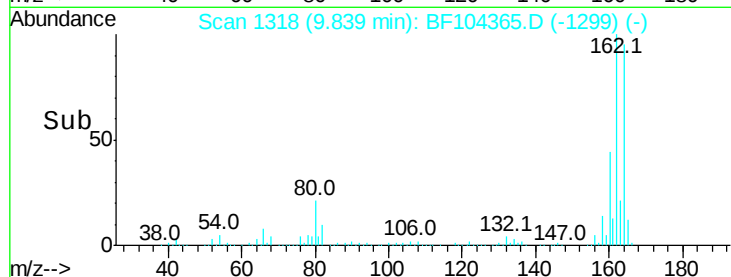
#56
 2,4-Dinitrotoluene
 Concen: 6.845 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 34604
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.4 54.6#
 89 2.1 57.8 86.6#
 182 0.0 1.6 2.4#

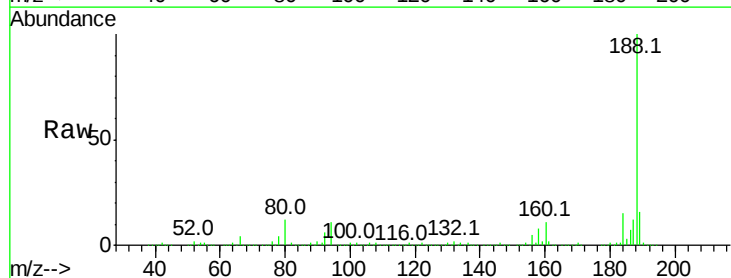


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

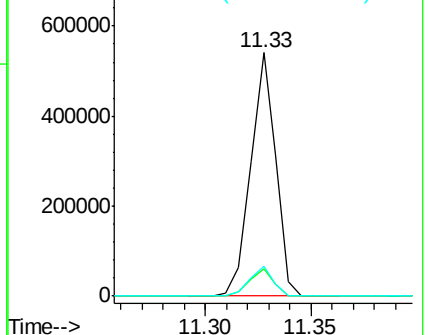
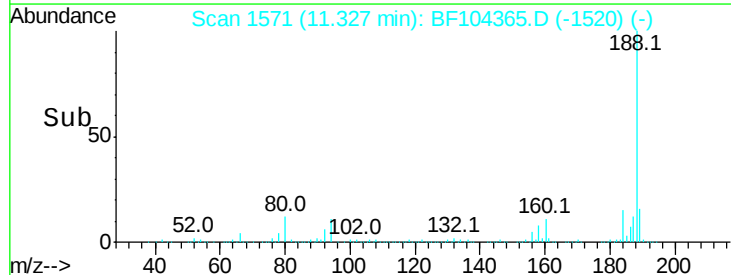


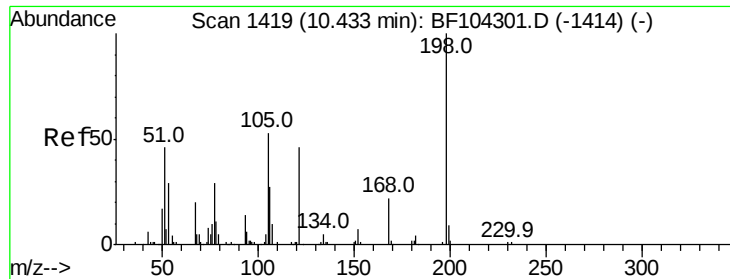
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

Tgt Ion:188 Resp: 445022
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.692 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

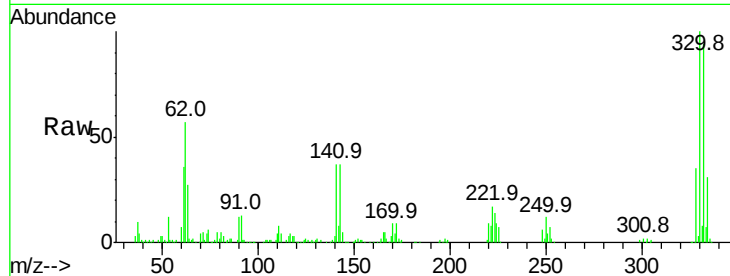
Tot Ion:198 Resp: 882

Ion Ratio Lower Upper

198 100

51 197.5 37.7 77.7#

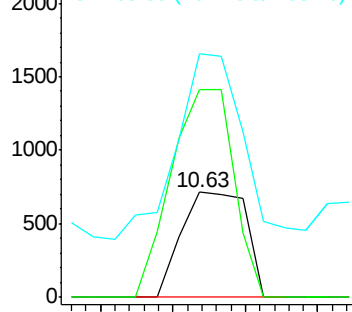
105 231.3 36.3 76.3#



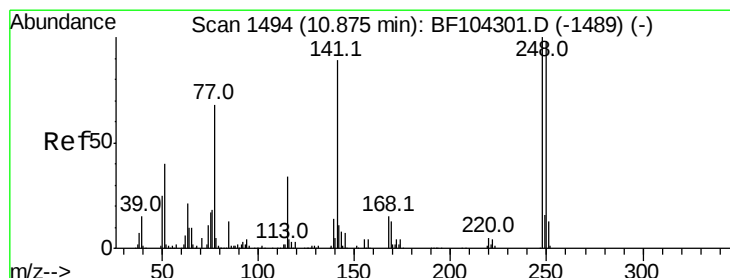
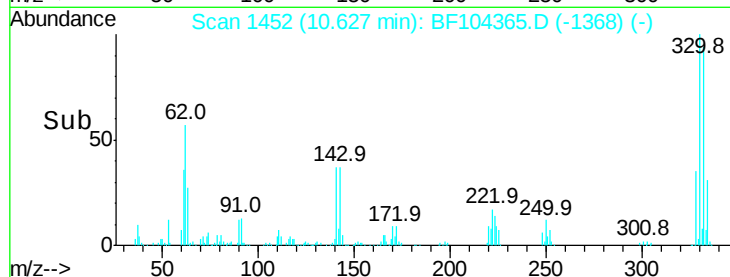
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.100 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

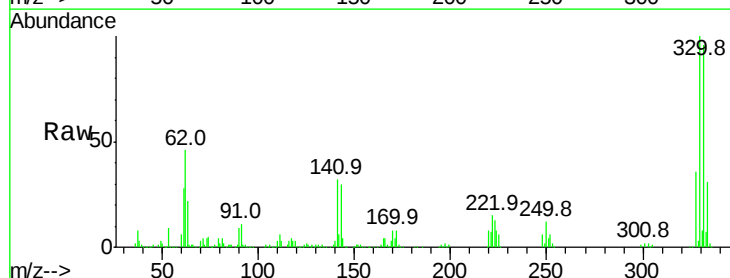
Tgt Ion:248 Resp: 24143

Ion Ratio Lower Upper

248 100

250 188.0 76.9 115.3#

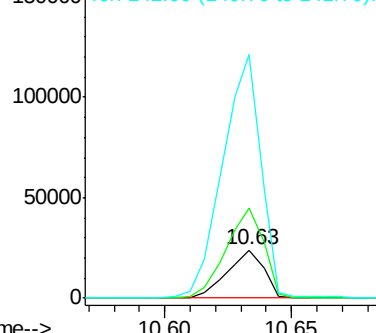
141 506.1 74.4 111.6#



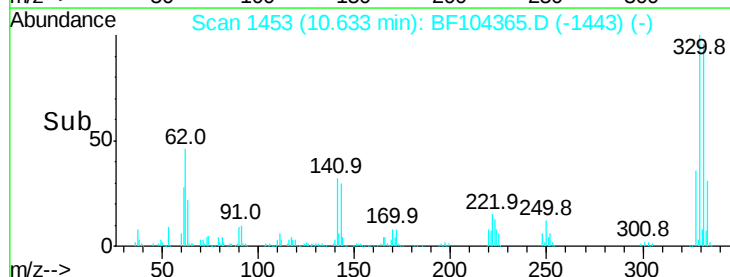
Abundance Ion 248.00 (247.70 to 248.70): E

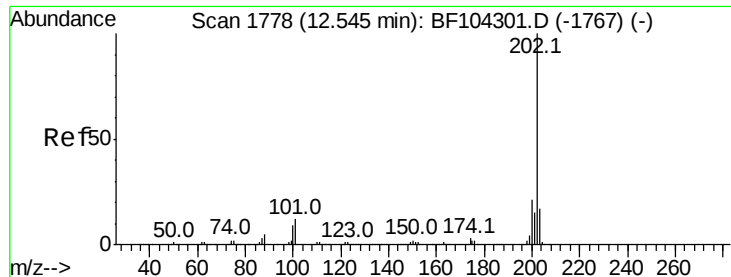
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#74

Fluoranthene

Concen: 3.642 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

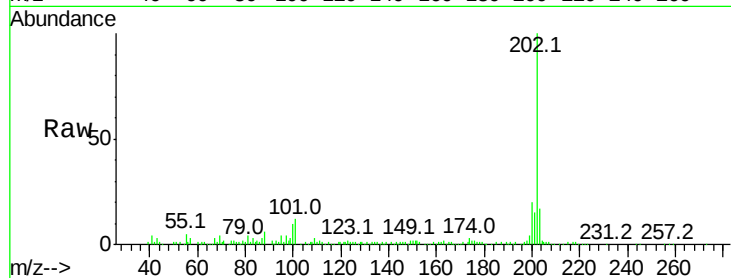
Tot Ion:202 Resp: 94303

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

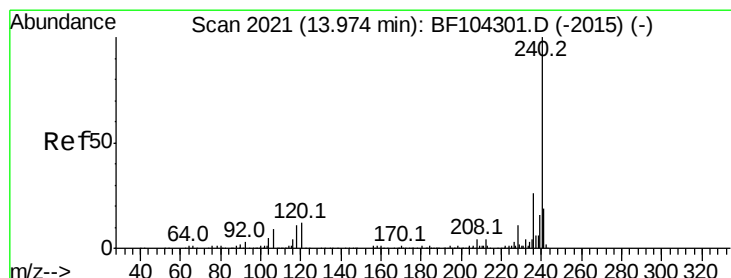
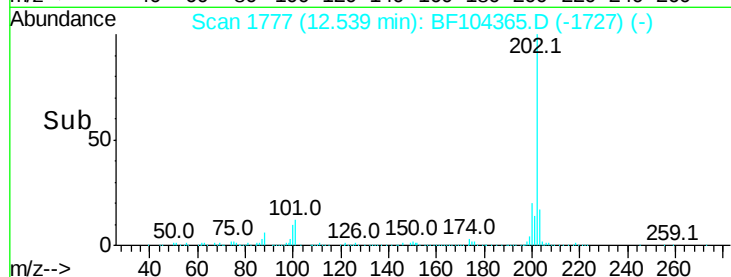
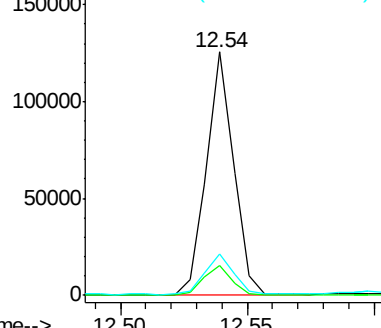
203 17.1 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

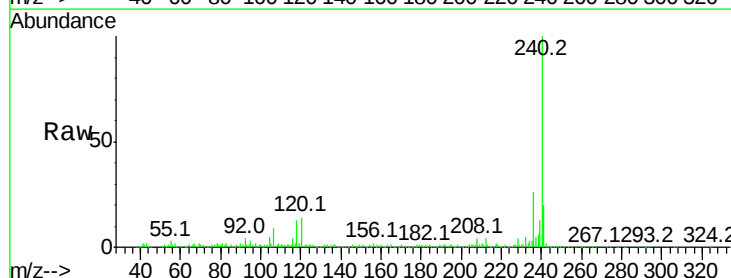
Tgt Ion:240 Resp: 276233

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

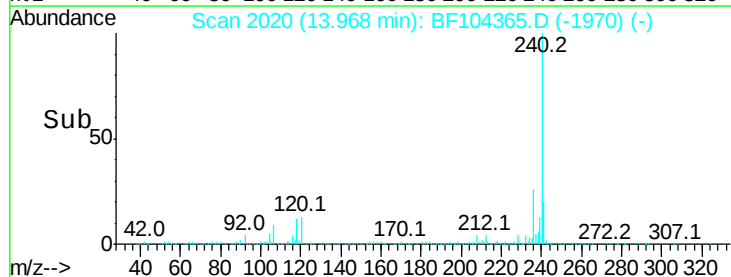
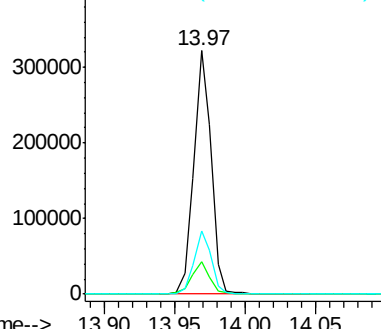
236 25.7 20.7 31.1

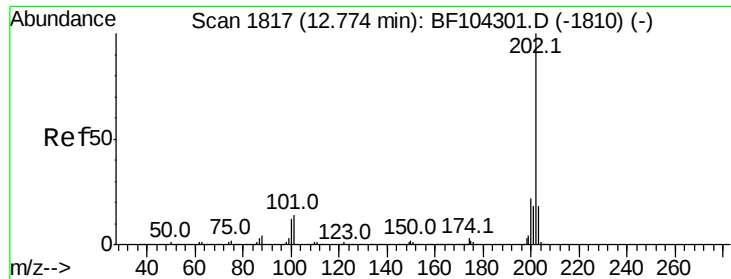


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.554 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

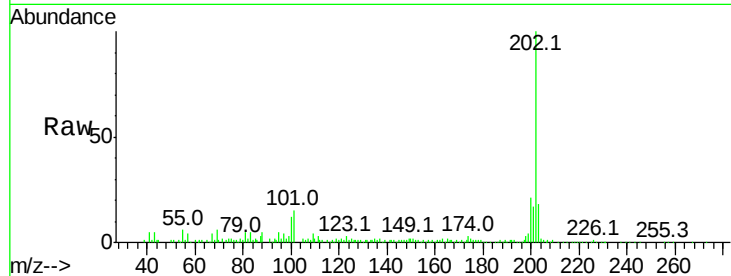
Tot Ion:202 Resp: 93242

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

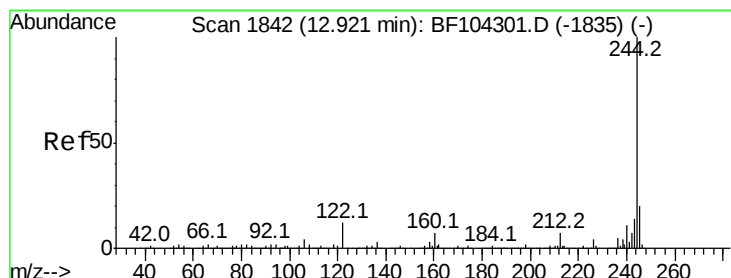
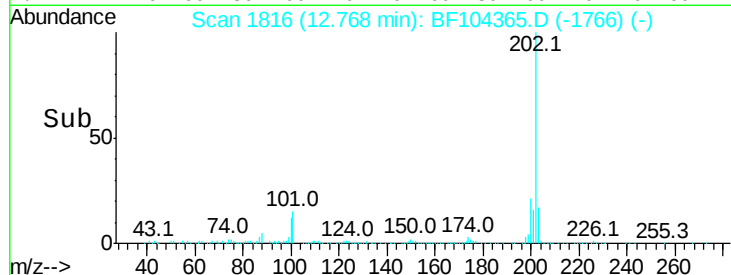
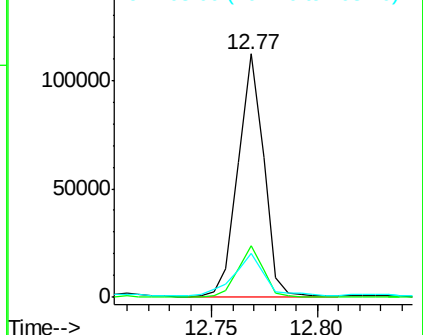
203 17.9 14.3 21.5



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: 107.159 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

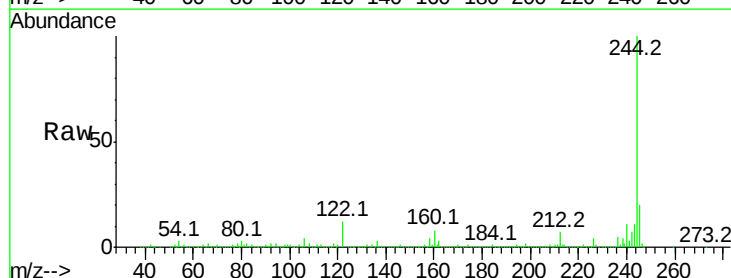
Tgt Ion:244 Resp: 1298381

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

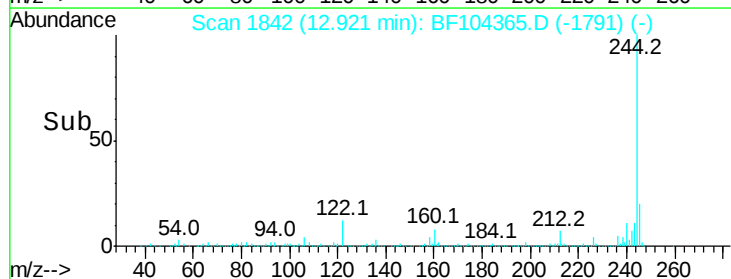
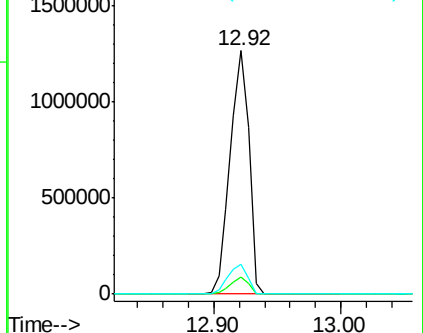
122 12.5 11.0 16.4

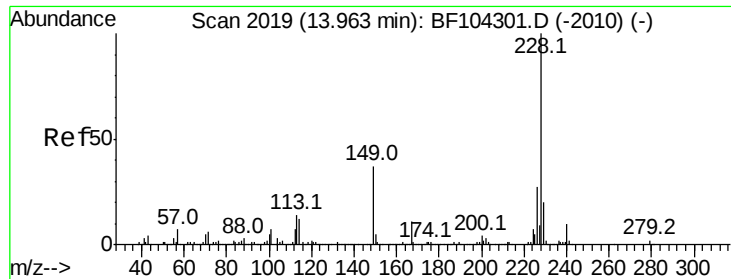


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.424 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

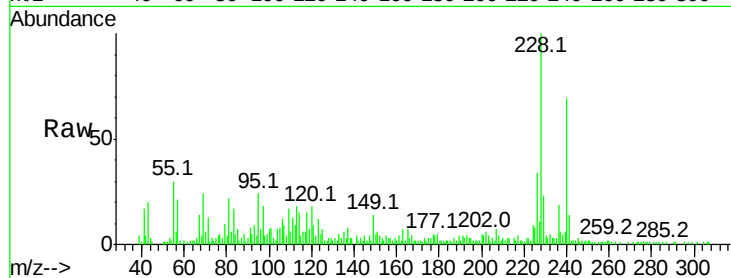
Tot Ion:228 Resp: 40009

Ion Ratio Lower Upper

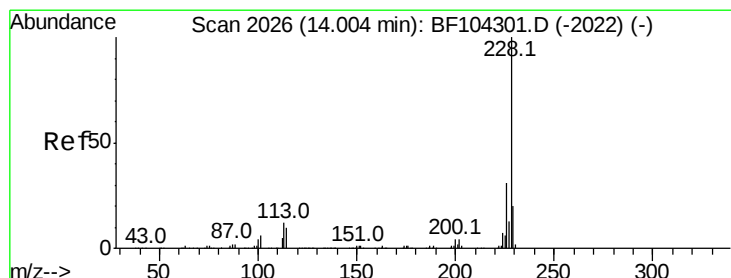
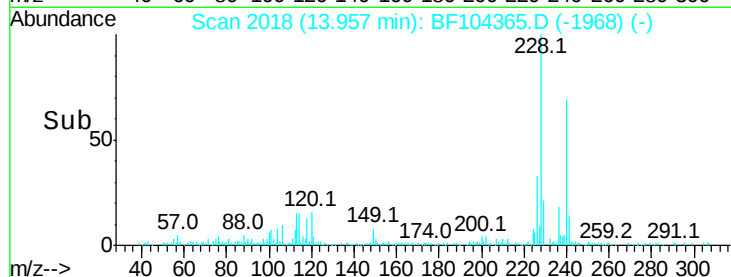
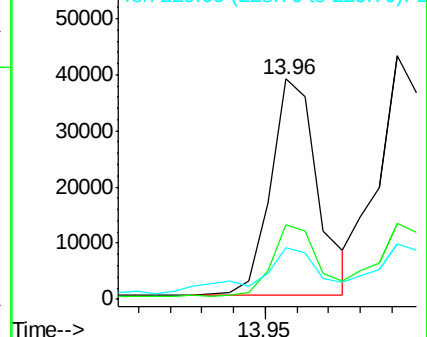
228 100

226 33.8 22.6 33.8

229 23.2 15.8 23.6



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



#82

Chrysene

Concen: 2.578 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

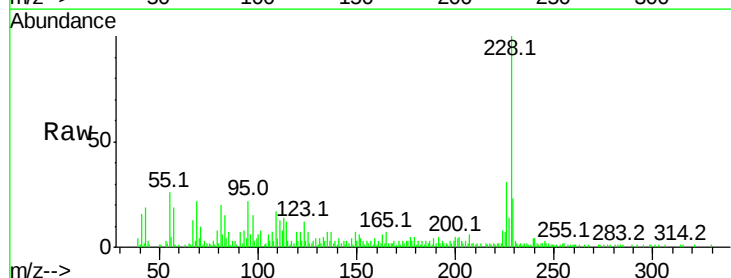
Tgt Ion:228 Resp: 43705

Ion Ratio Lower Upper

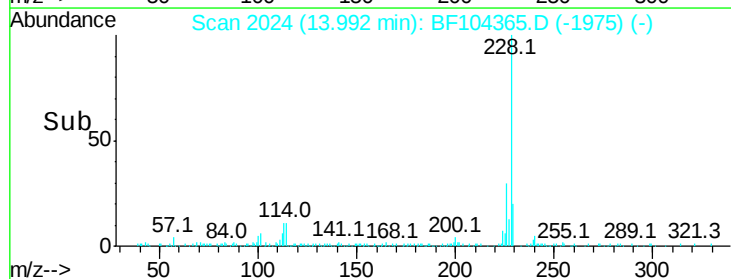
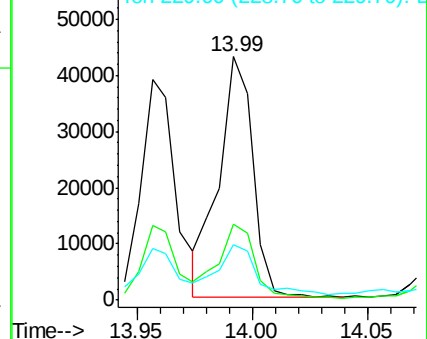
228 100

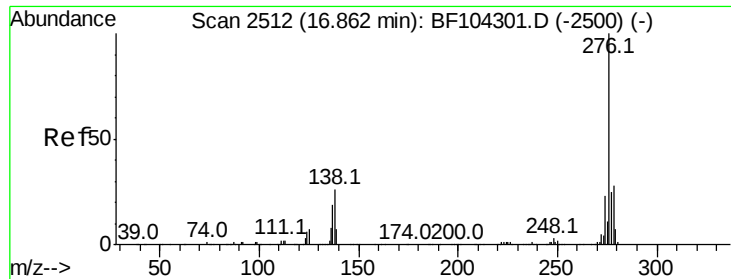
226 31.0 25.0 37.6

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

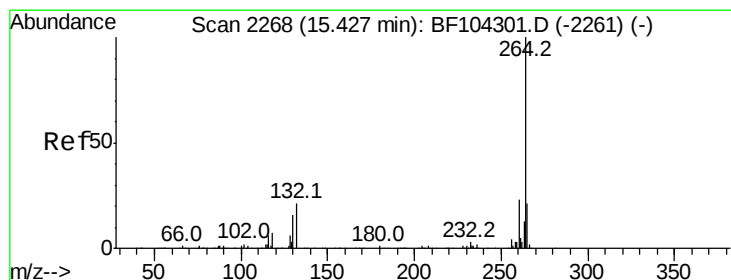
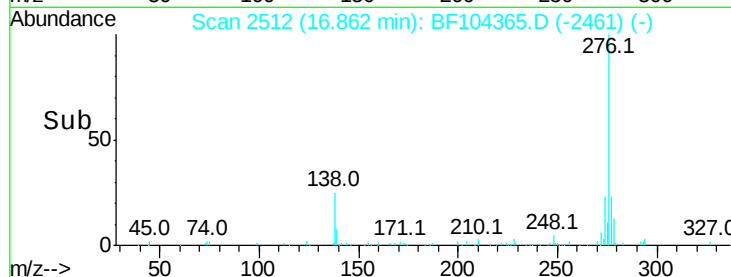
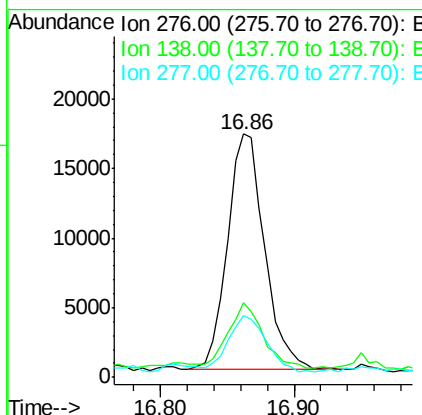
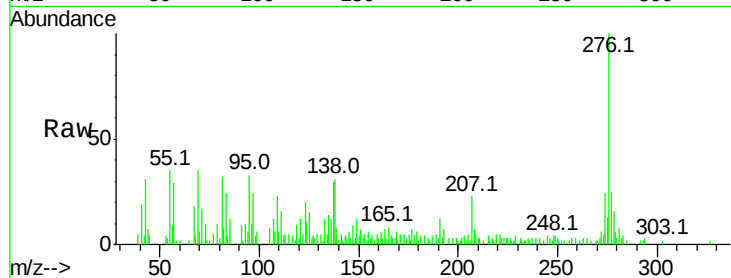




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.277 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

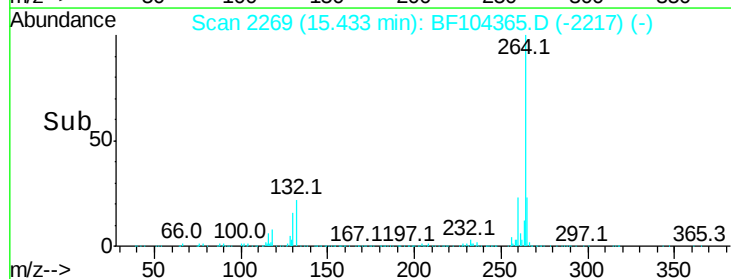
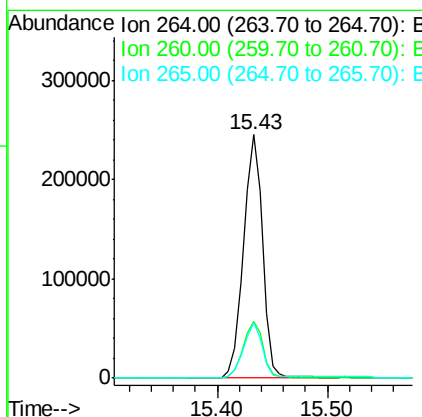
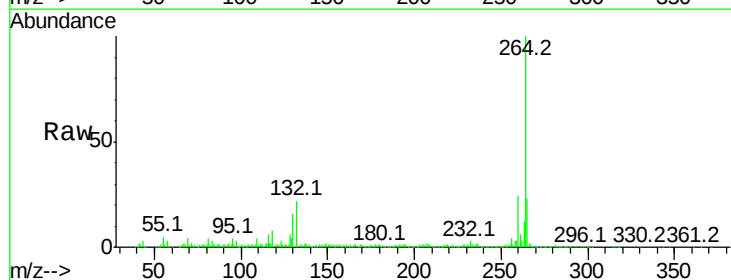
Instrument :
 BNA_F
 ClientSampleId :

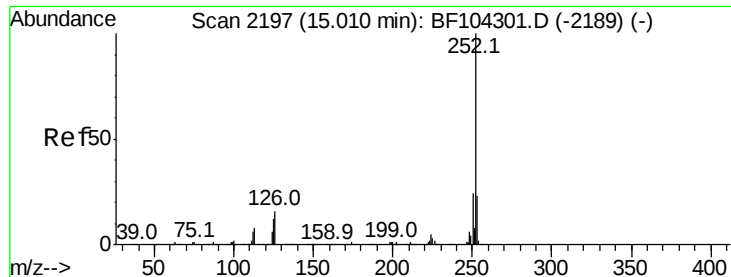
Tot Ion:276 Resp: 32791
 Ion Ratio Lower Upper
 276 100
 138 26.3 25.0 37.6
 277 23.6 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF104365.D
 Acq: 9 Apr 2018 12:12

Tgt Ion:264 Resp: 300620
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.273 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

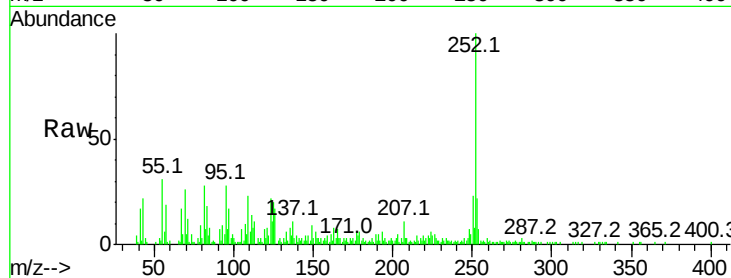
Tot Ion:252 Resp: 81136

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

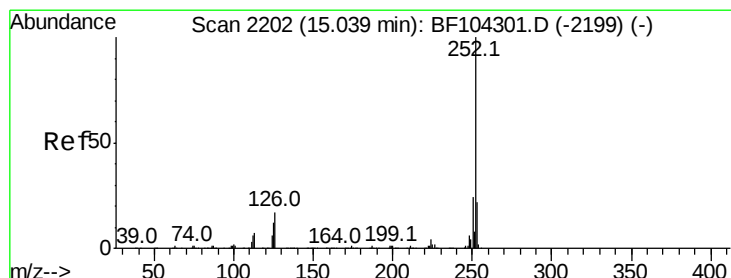
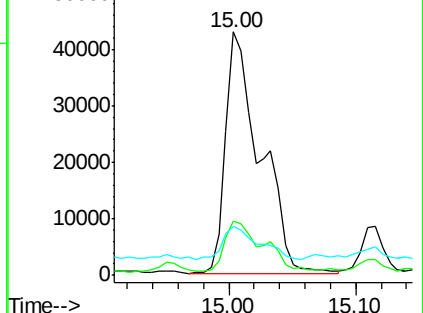
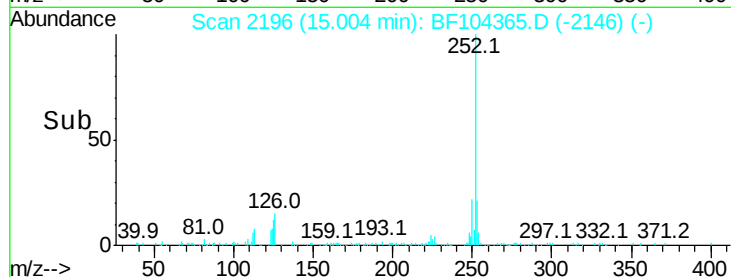
125 20.0 9.0 13.6#



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: 4.526 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

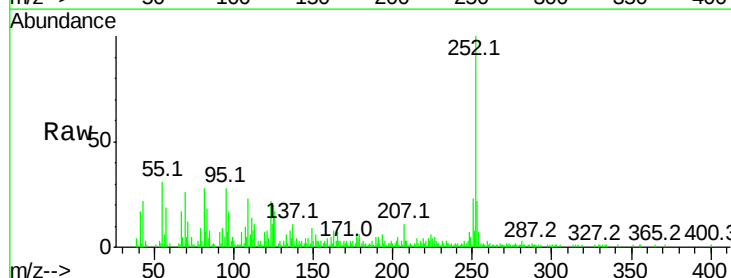
Tgt Ion:252 Resp: 81136

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

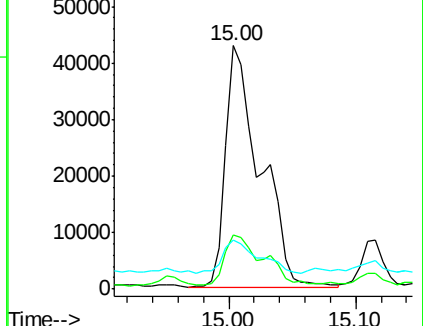
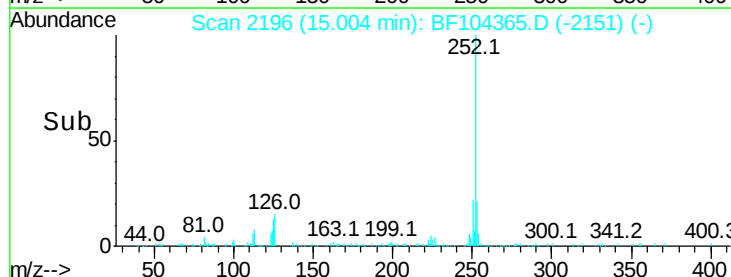
125 20.0 10.2 15.2#

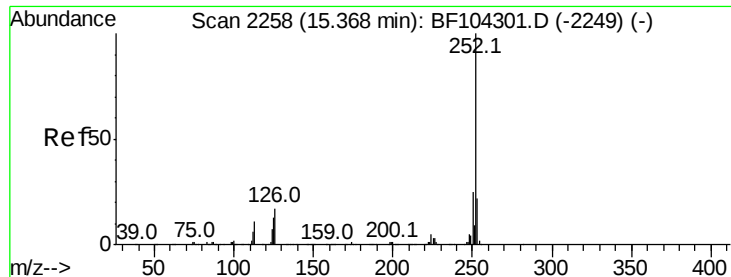


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.702 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.00 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

Instrument :

BNA_F

ClientSampleId :

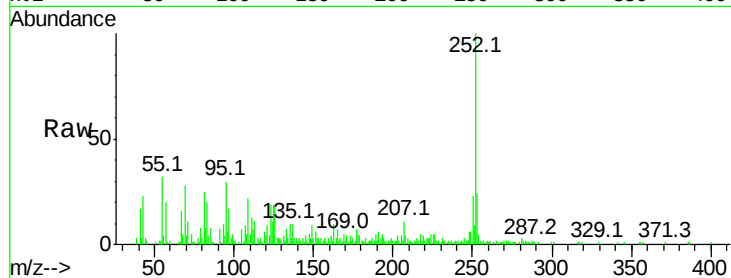
Tot Ion:252 Resp: 45899

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

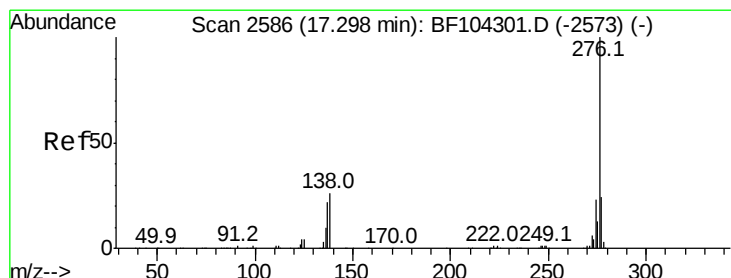
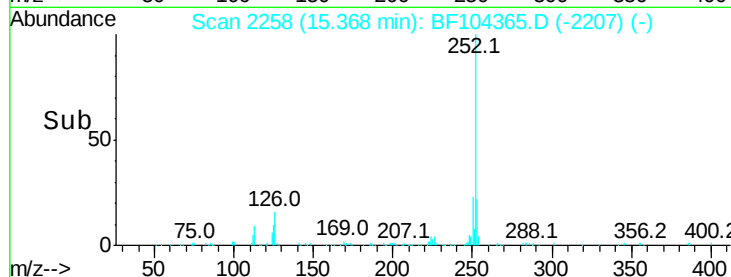
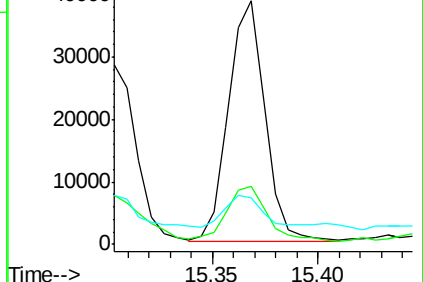
125 19.2 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.470 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.00 min

Lab File: BF104365.D

Acq: 9 Apr 2018 12:12

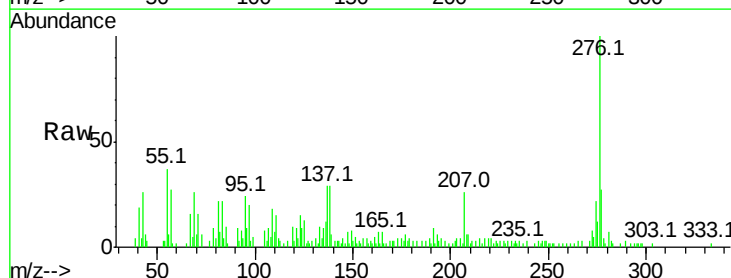
Tgt Ion:276 Resp: 33388

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 29.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

