

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104843.D
 Acq On : 26 Apr 2018 18:01
 Operator : JU/SJ
 Sample : J2155-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:35:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116472	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	476788	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	199091	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	304562	20.00	ng	0.00
75) Chrysene-d12	13.98	240	250880	20.00	ng	0.00
86) Perylene-d12	15.44	264	217917	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	674486	88.55	ng	0.00
7) Phenol-d6	6.45	99	825724	88.23	ng	0.00
23) Nitrobenzene-d5	7.36	82	513536	70.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	174587	84.54	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	902844	71.64	ng	0.00
78) Terphenyl-d14	12.92	244	688225	62.54	ng	0.00

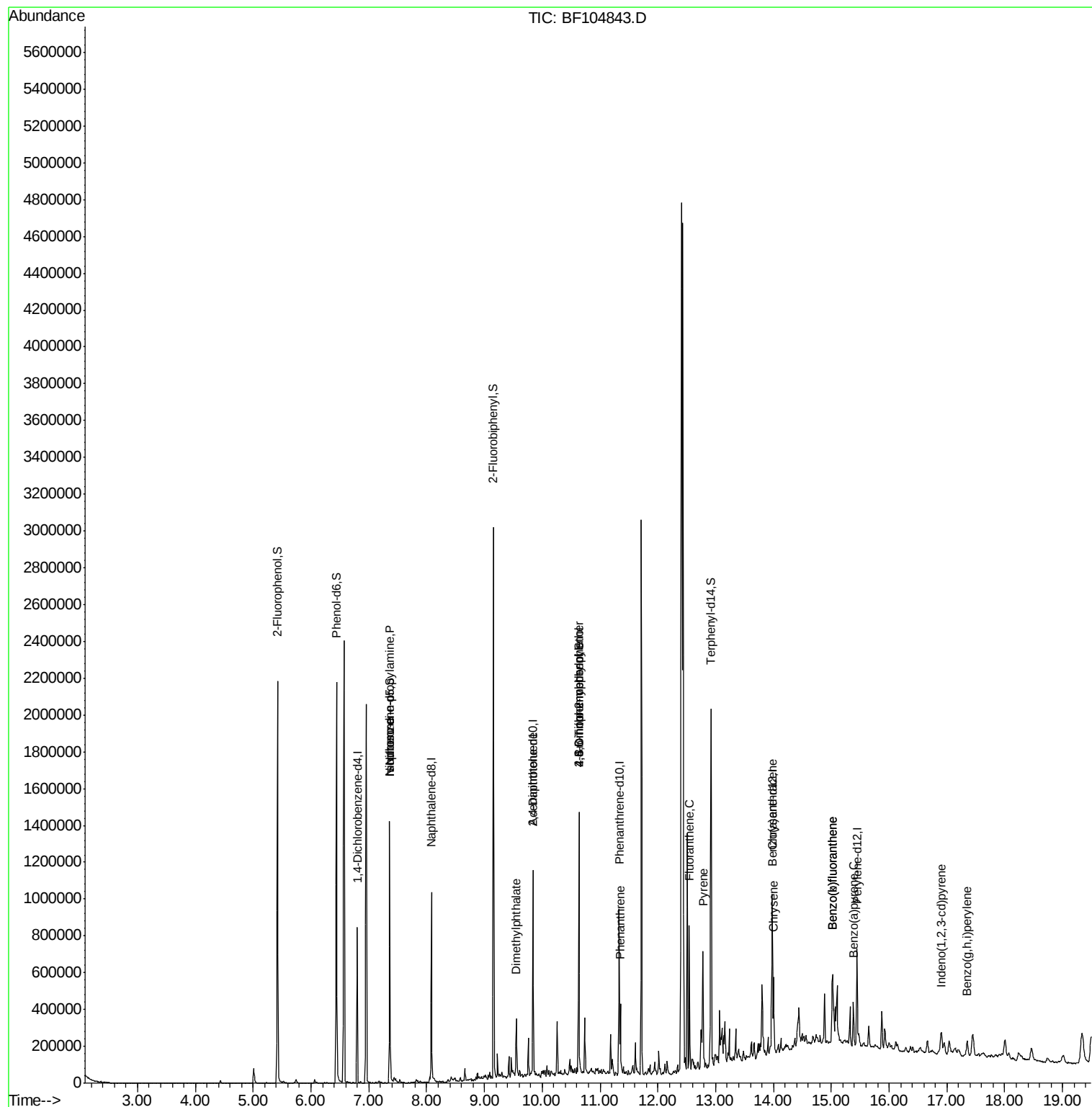
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	66505	10.874	ng	# 73
25) Isophorone	7.36	82	513533	33.259	ng	# 64
49) Dimethylphthalate	9.55	163	100754	6.417	ng	99
56) 2,4-Dinitrotoluene	9.84	165	26795	7.032	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	282	7.508	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10593	3.270	ng	# 1
70) Phenanthrene	11.35	178	123676	7.292	ng	97
74) Fluoranthene	12.55	202	308036	17.383	ng	100
76) Benzidine	12.92	184	9241	Below Cal		98
77) Pyrene	12.78	202	256351	13.785	ng	99
80) Benzo(a)anthracene	13.97	228	111889	7.465	ng	100
82) Chrysene	14.00	228	153568	9.975	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	68683	5.252	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	265818	19.314	ng	97
88) Benzo(k)fluoranthene	15.02	252	265818	20.457	ng	99
89) Benzo(a)pyrene	15.38	252	109348	8.879	ng	# 96
91) Benzo(a,h,i)perylene	17.35	276	66929	6.830	ng	97

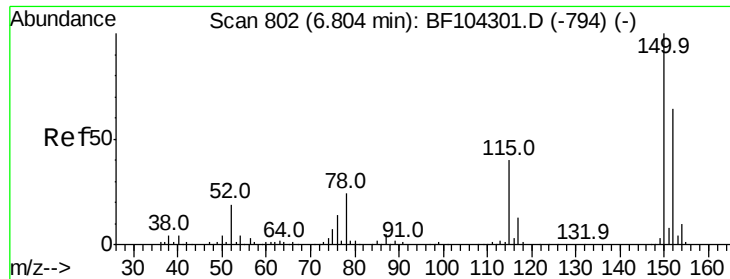
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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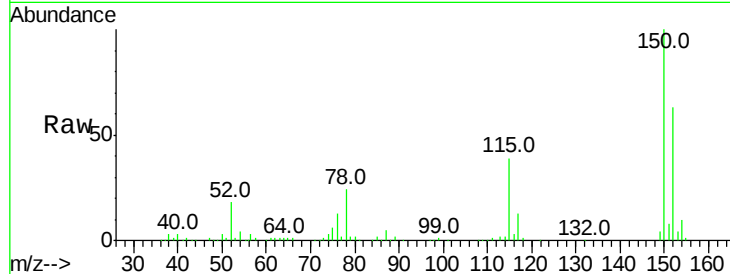


#1

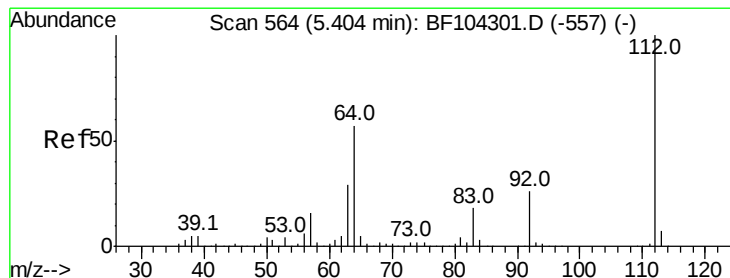
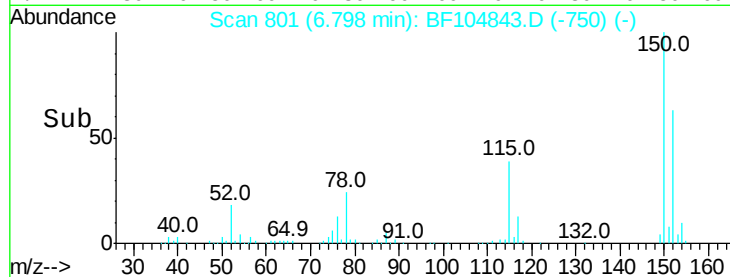
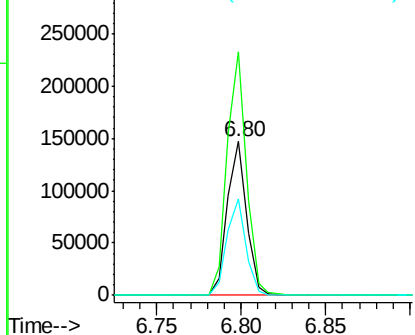
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116472
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 62.4 50.1 75.1



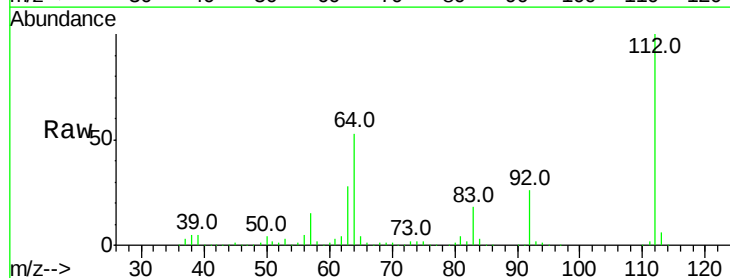
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



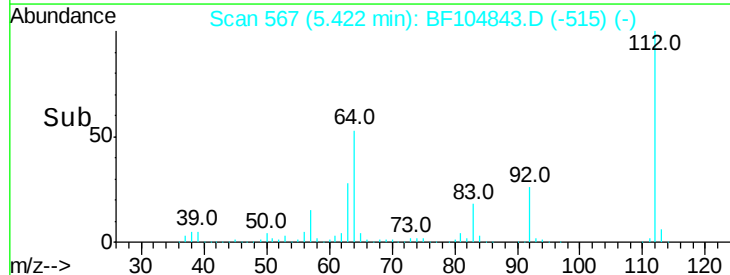
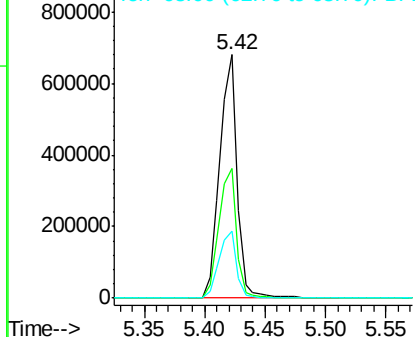
#5

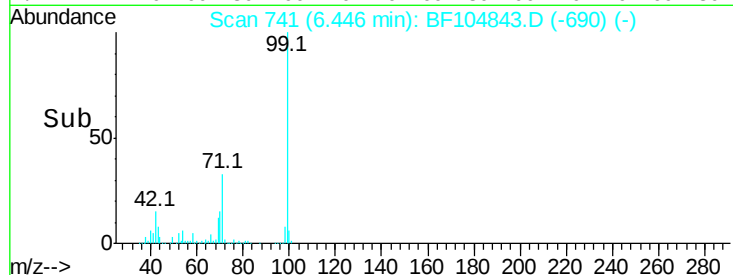
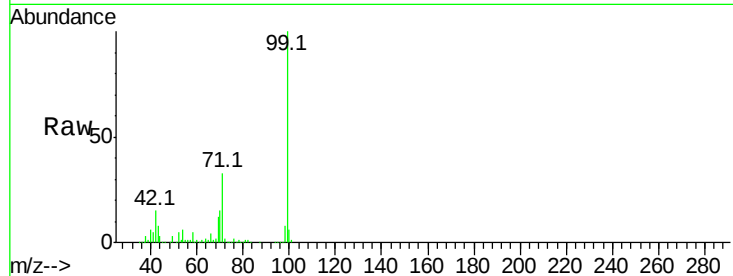
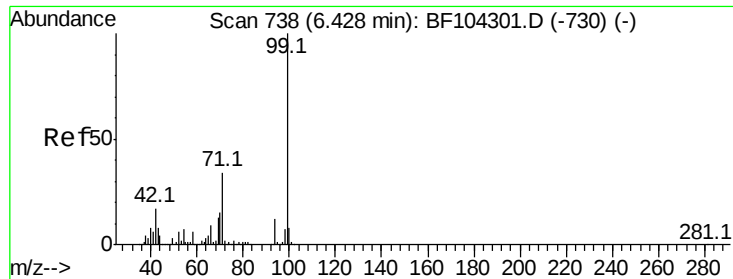
2-Fluorophenol
Concen: 88.547 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:112 Resp: 674486
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 27.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.227 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampled :

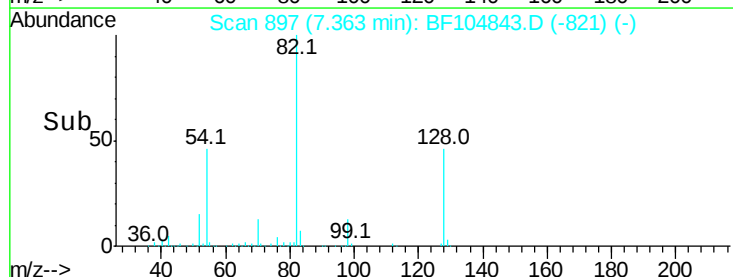
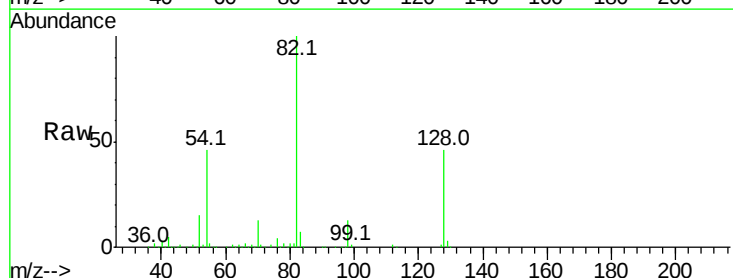
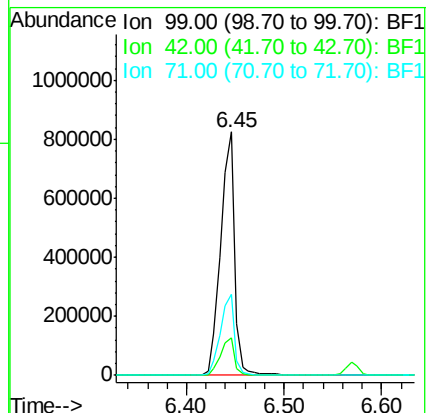
Tot Ion: 99 Resp: 825724

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.874 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Tgt Ion: 70 Resp: 66505

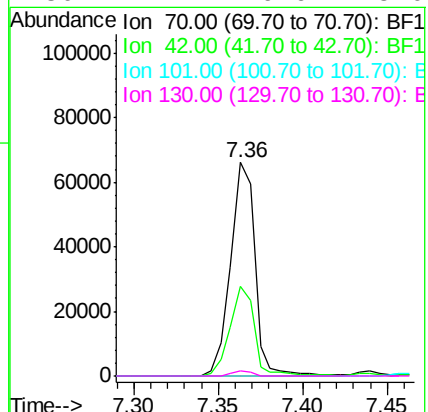
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 476788

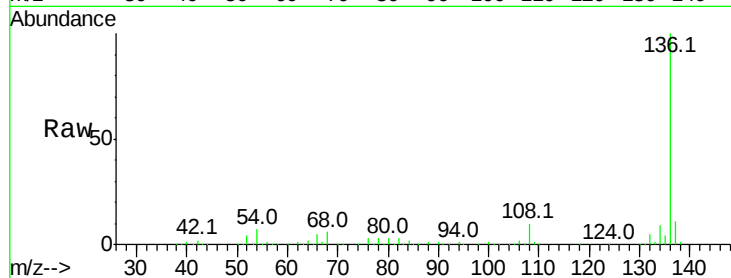
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 6.6 9.8

68 6.0 5.0 7.4

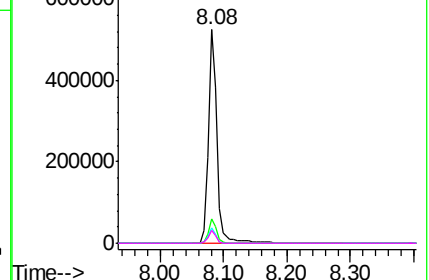
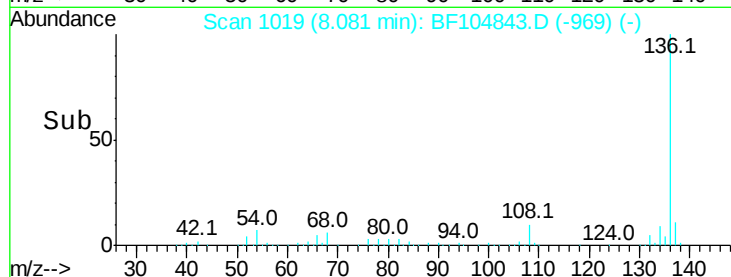


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 70.331 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

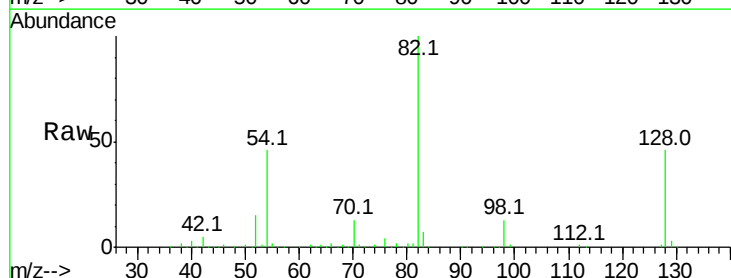
Tgt Ion: 82 Resp: 513536

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

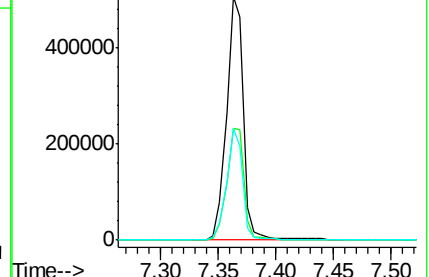
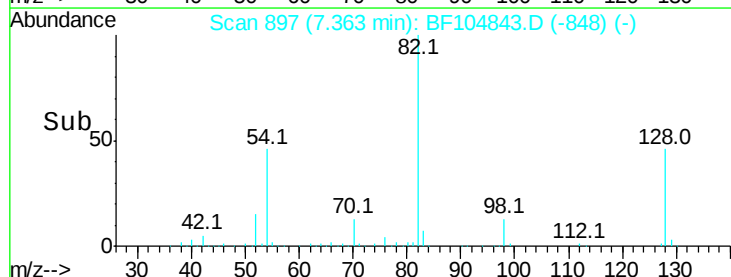
54 45.7 41.4 62.2

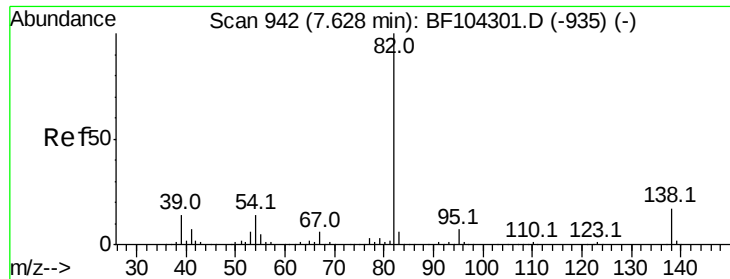


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

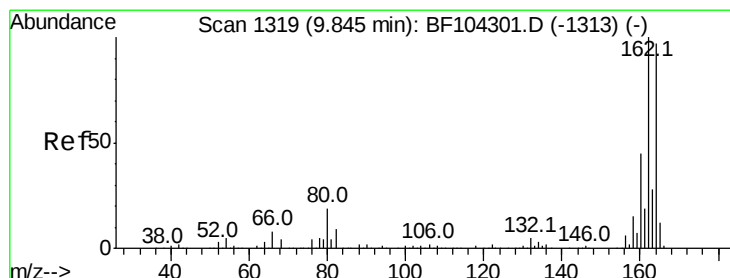
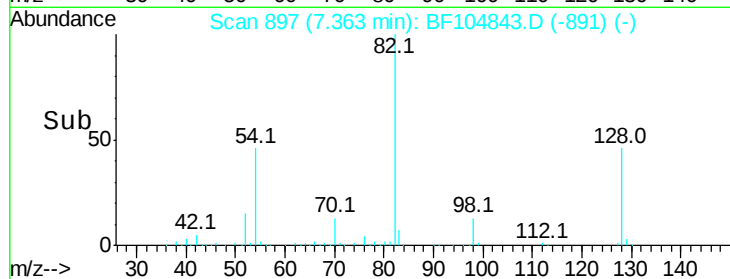
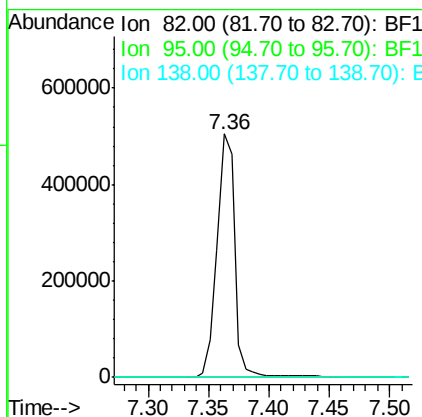
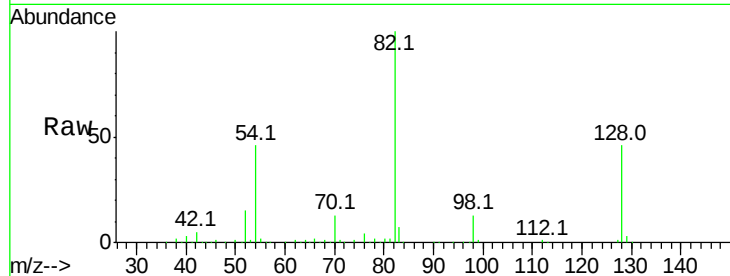




#25
Isophorone
Concen: 33.259 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

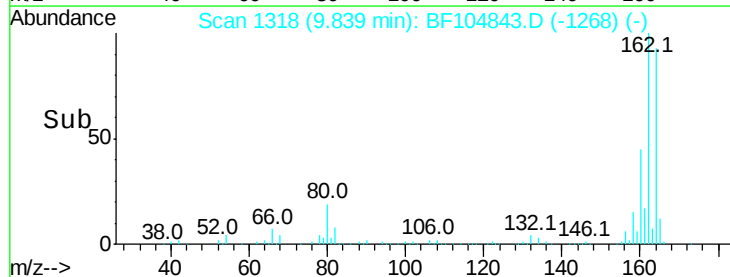
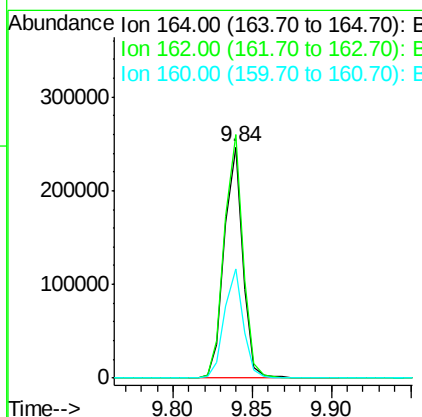
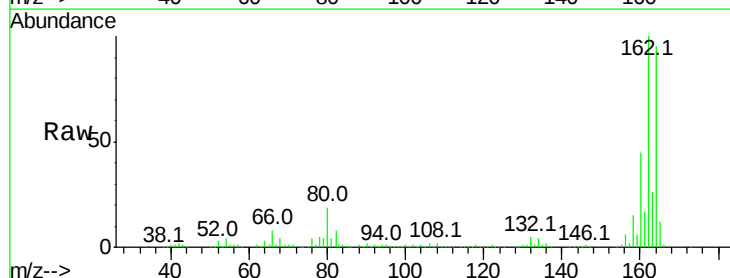
Instrument :
BNA_F
ClientSampleId :

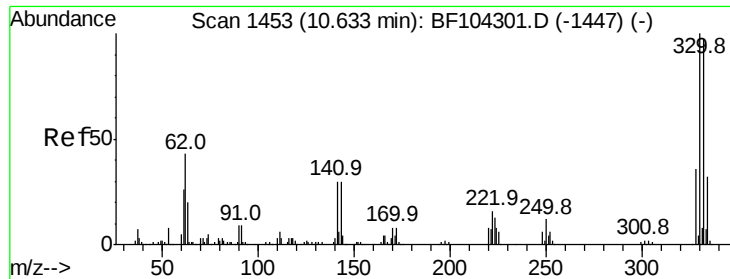
Tot Ion: 82 Resp: 513533
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:164 Resp: 199091
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 47.1 38.3 57.5

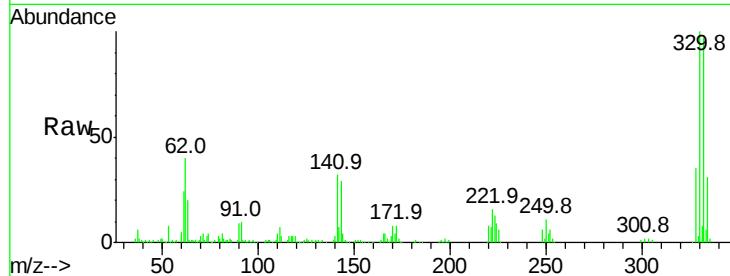




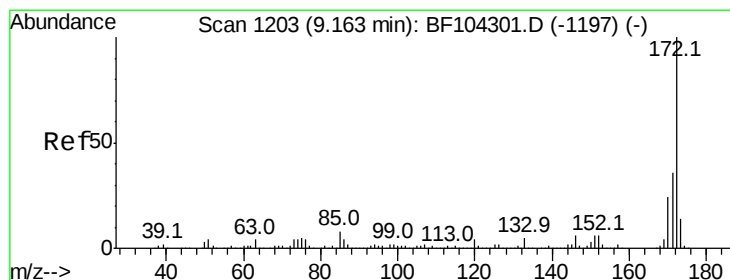
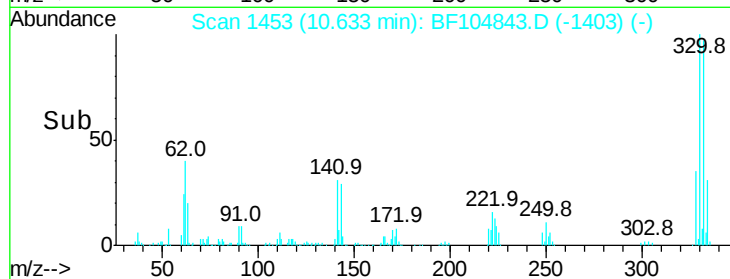
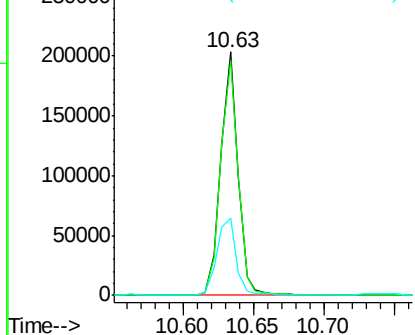
#41
 2,4,6-Tribromophenol
 Concen: 84.537 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104843.D
 Acq: 26 Apr 2018 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	36.1	29.9	44.9

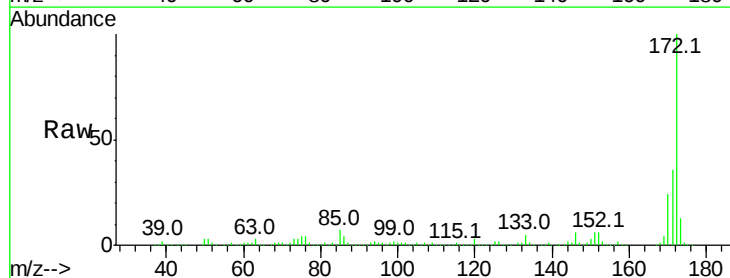


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

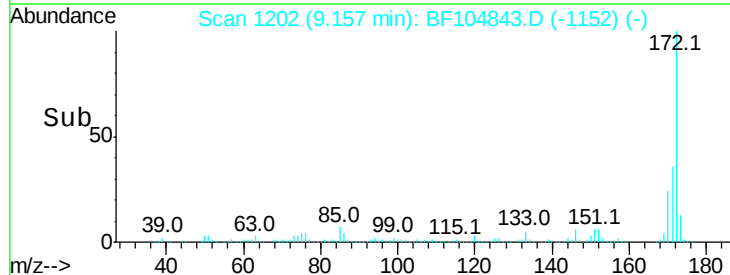
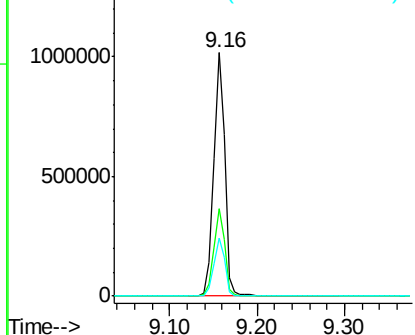


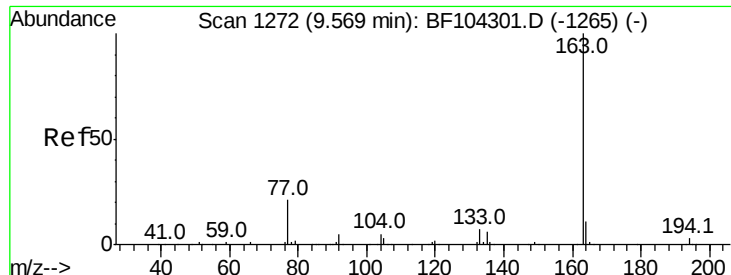
#44
 2-Fluorobiphenyl
 Concen: 71.639 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104843.D
 Acq: 26 Apr 2018 18:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	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

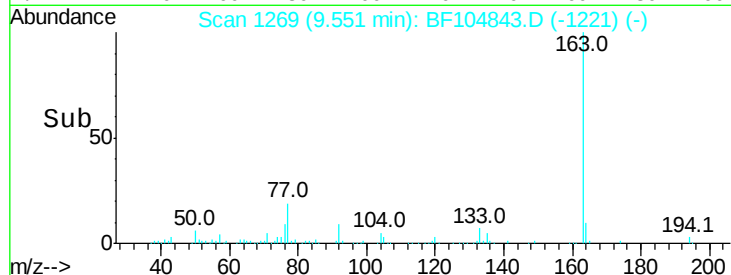
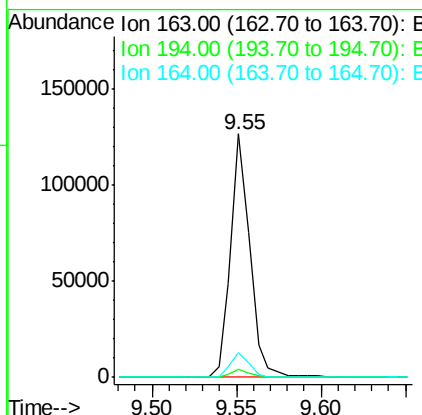
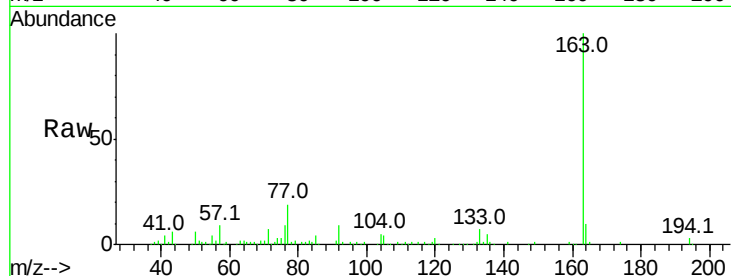




#49
Dimethylphthalate
Concen: 6.417 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

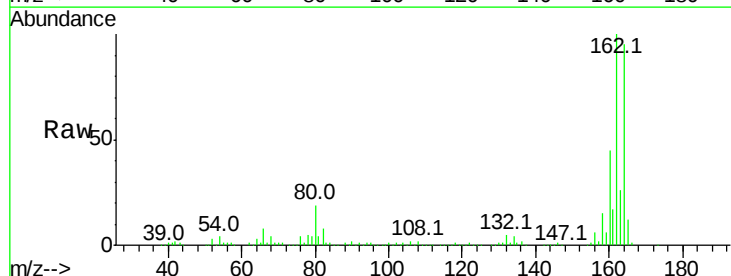
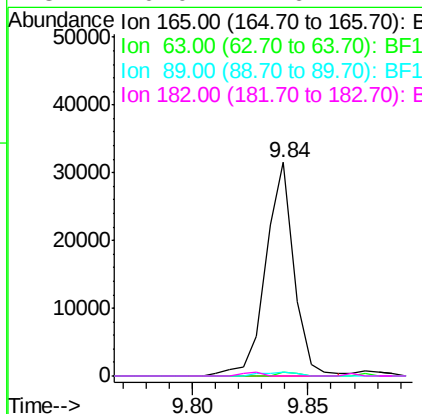
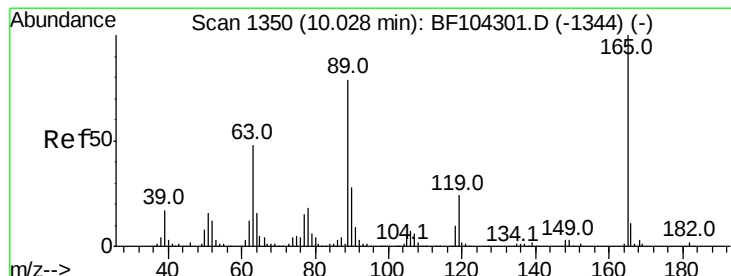
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 100754
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.0 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.032 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:165 Resp: 26795
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

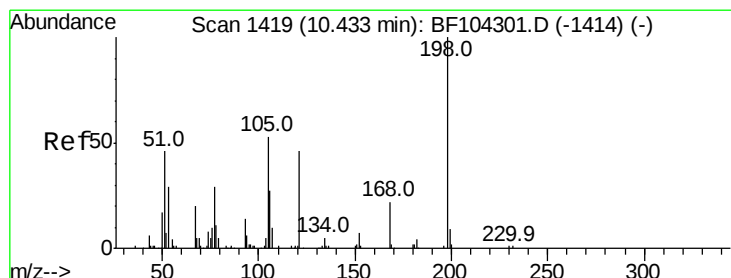
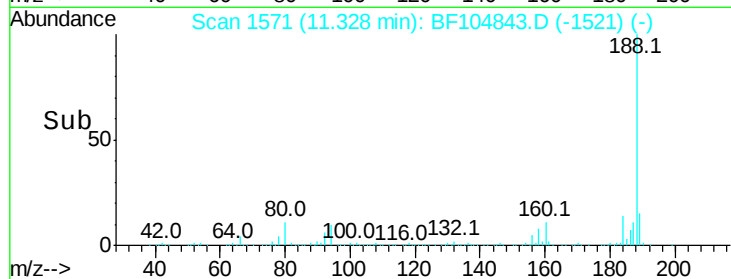
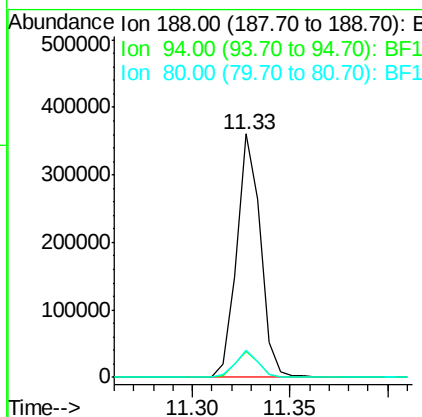
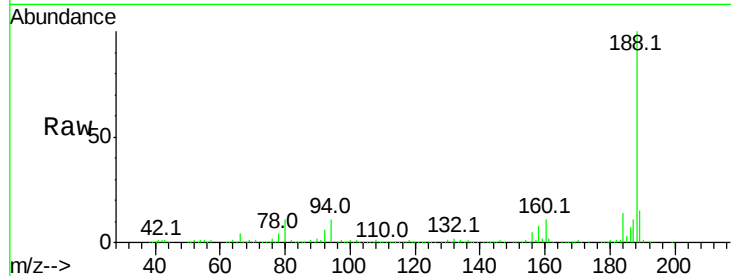




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104843.D
 Acq: 26 Apr 2018 18:01

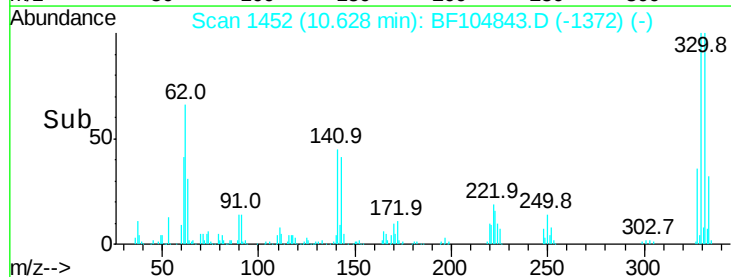
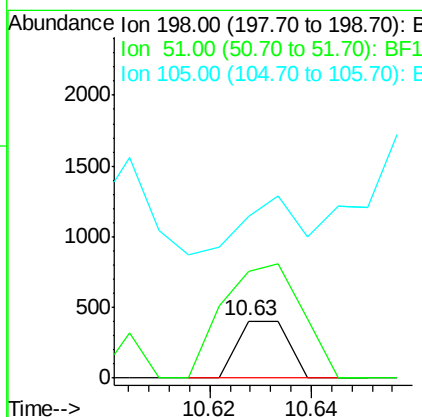
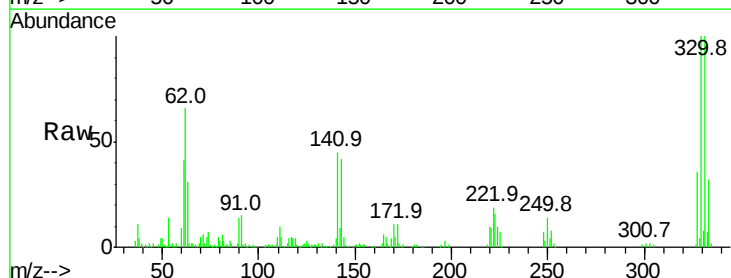
Instrument :
 BNA_F
 ClientSampled :

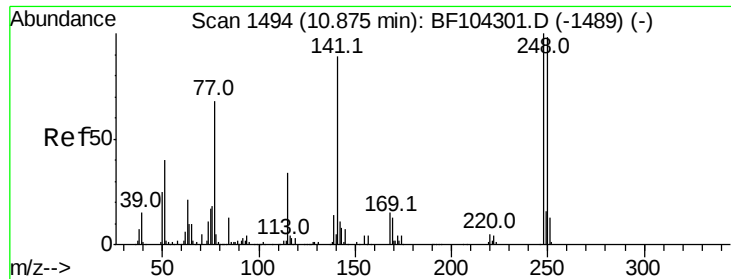
Tot Ion:188 Resp: 304562
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.508 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104843.D
 Acq: 26 Apr 2018 18:01

Tgt Ion:198 Resp: 282
 Ion Ratio Lower Upper
 198 100
 51 188.0 37.7 77.7#
 105 286.3 36.3 76.3#

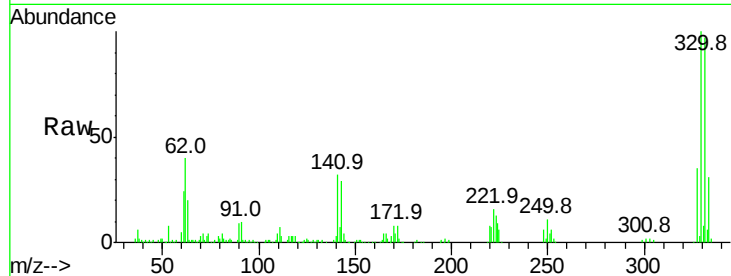




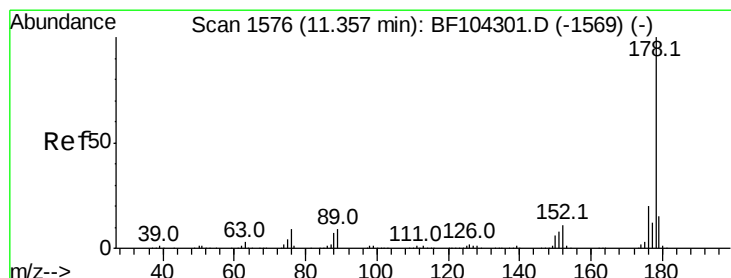
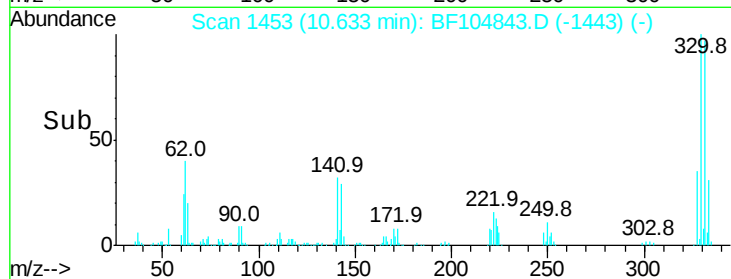
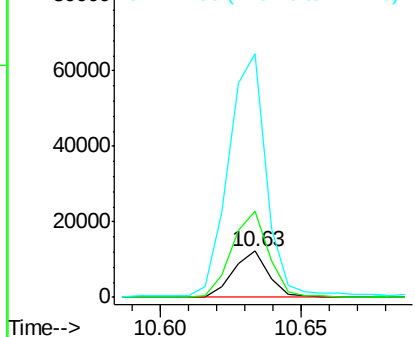
#66
4-Bromophenyl-phenylether
Concen: 3.270 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10593
Ion Ratio Lower Upper
248 100
250 186.1 76.9 115.3#
141 525.9 74.4 111.6#

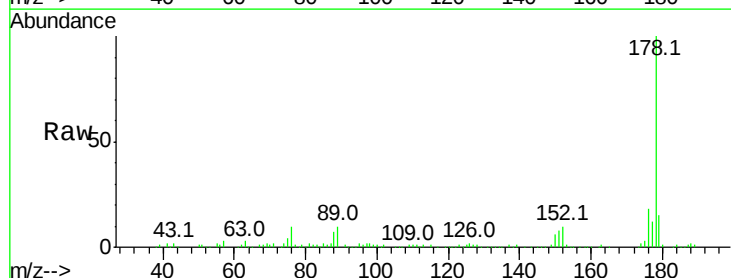


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

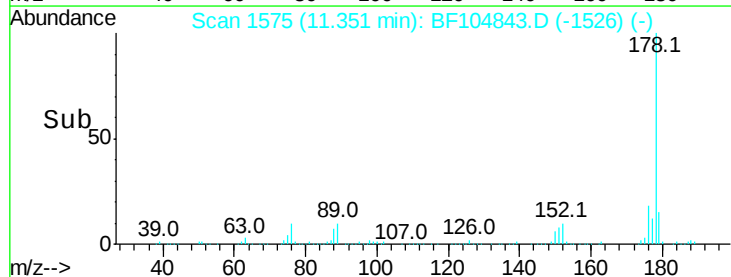
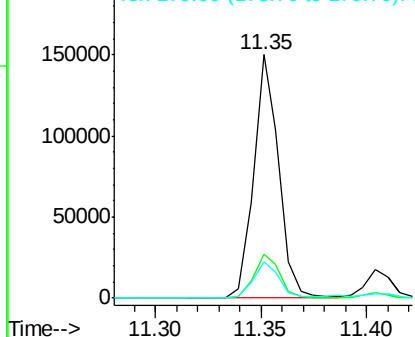


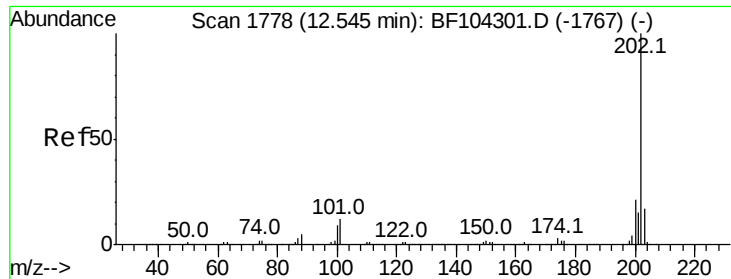
#70
Phenanthrene
Concen: 7.292 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:178 Resp: 123676
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 14.9 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: 17.383 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampleId :

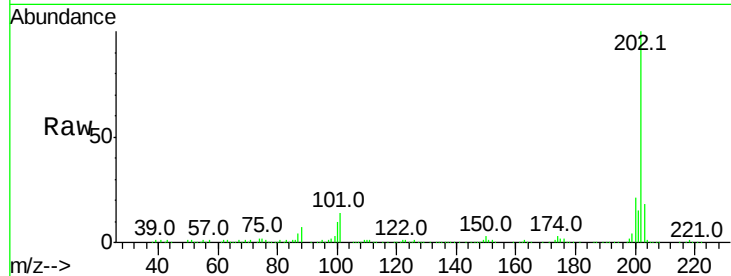
Tot Ion:202 Resp: 308036

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

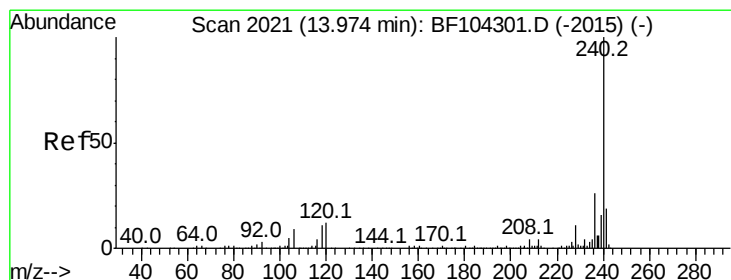
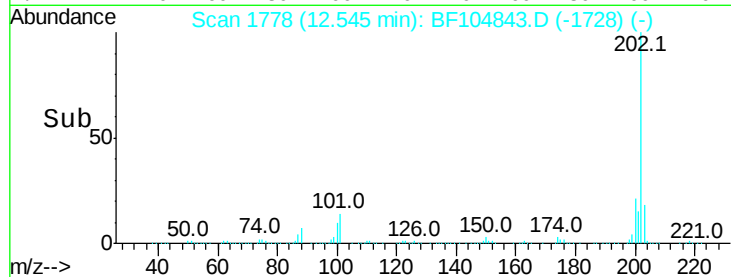
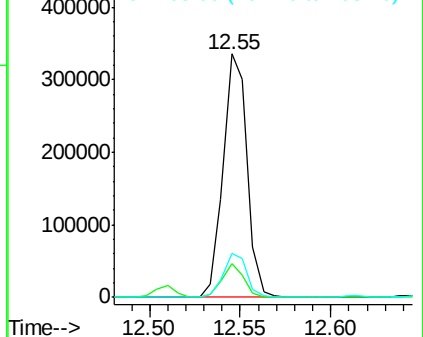
203 18.1 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

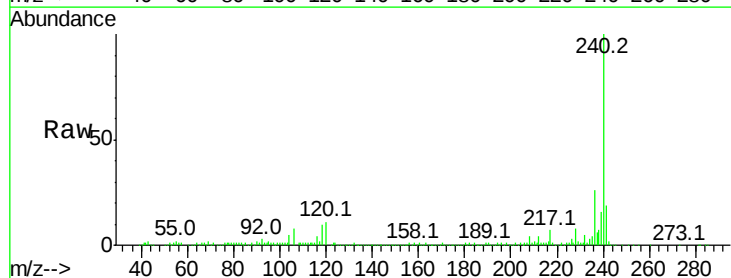
Tgt Ion:240 Resp: 250880

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

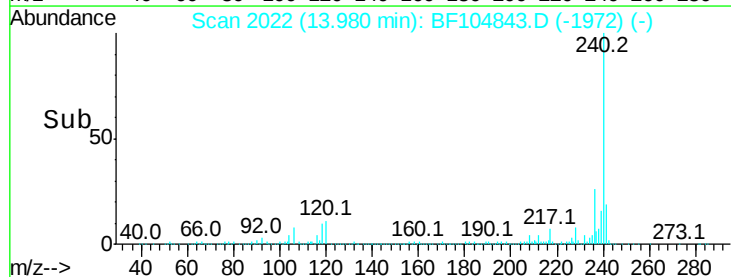
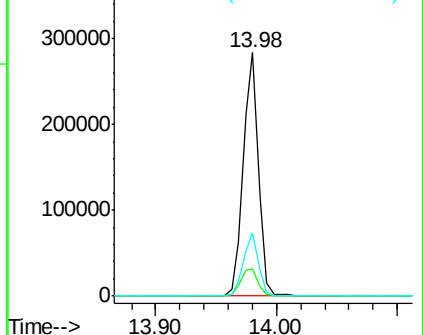
236 26.1 20.7 31.1

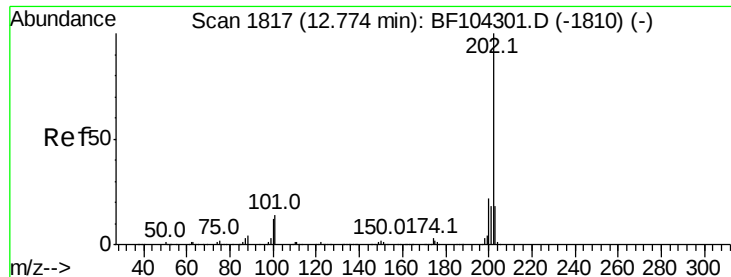


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.785 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampleId :

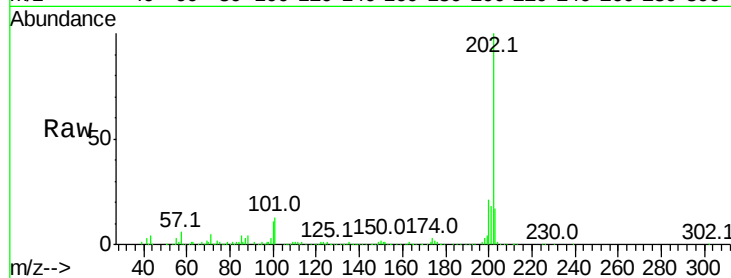
Tot Ion:202 Resp: 256351

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

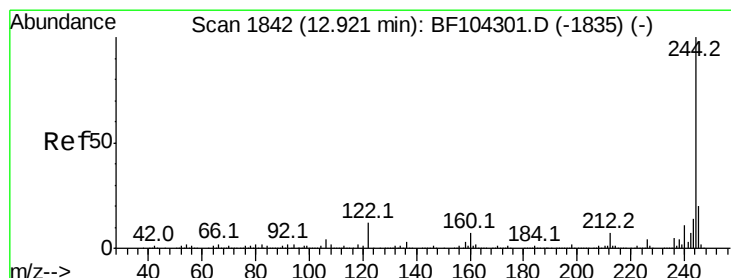
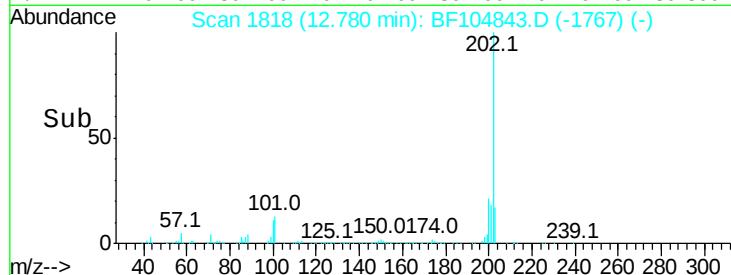
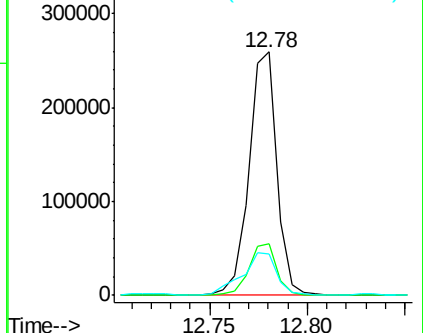
203 17.0 14.3 21.5



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: 62.541 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

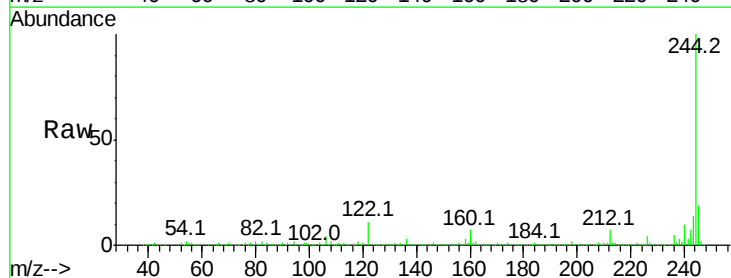
Tgt Ion:244 Resp: 688225

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

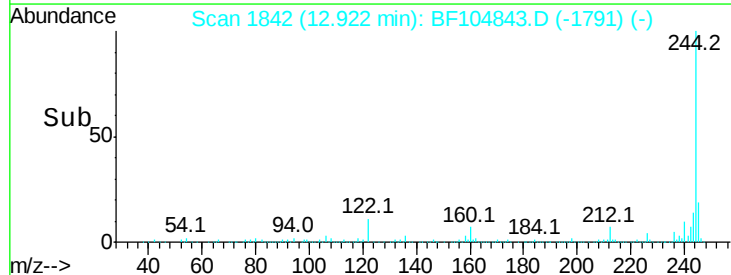
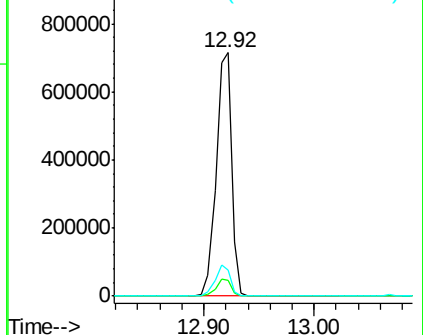
122 10.6 11.0 16.4#

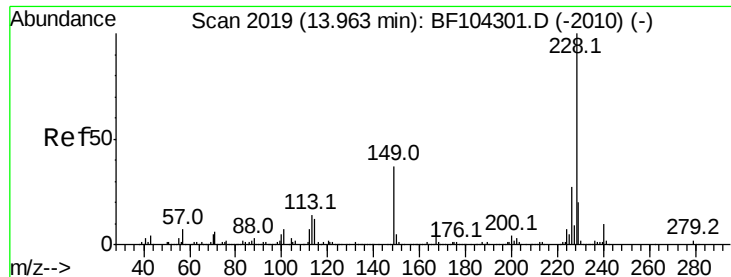


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

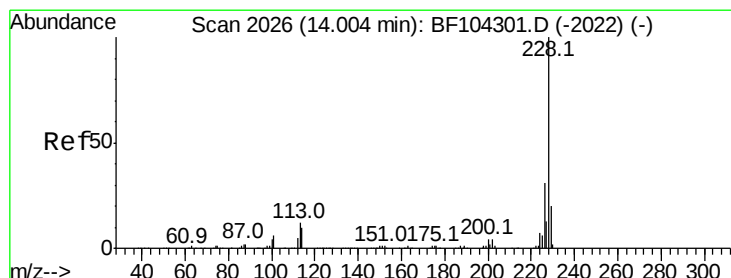
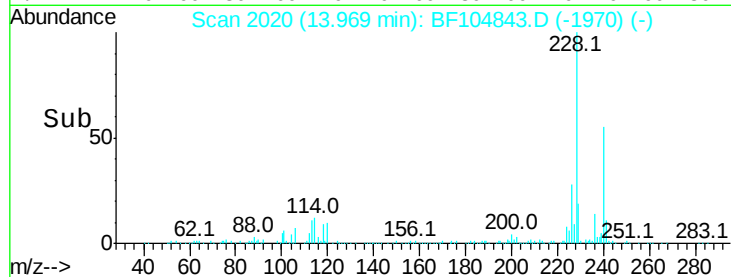
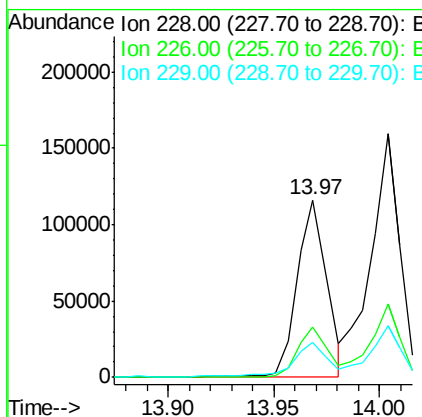
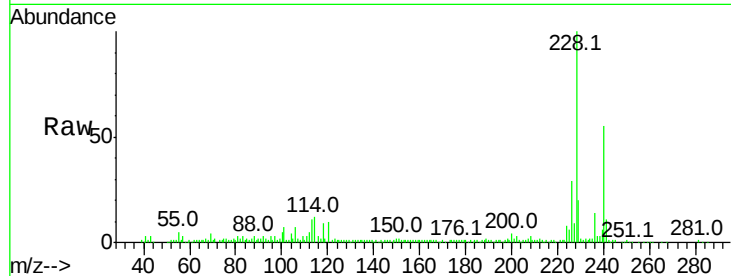




#80
Benzo(a)anthracene
Concen: 7.465 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

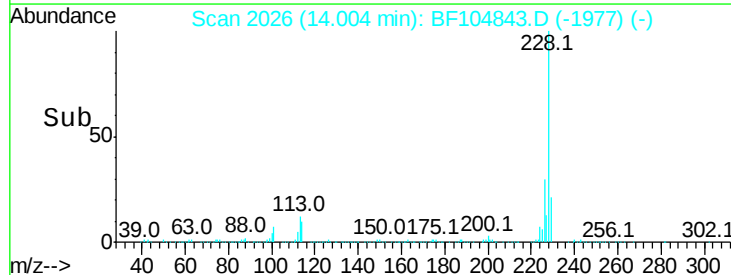
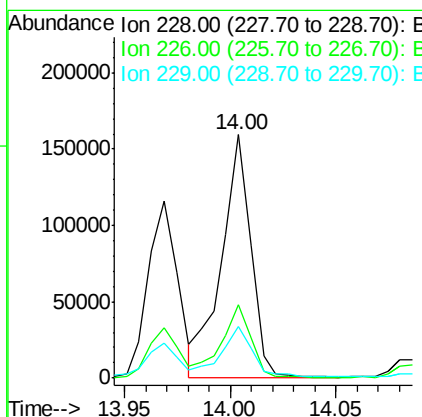
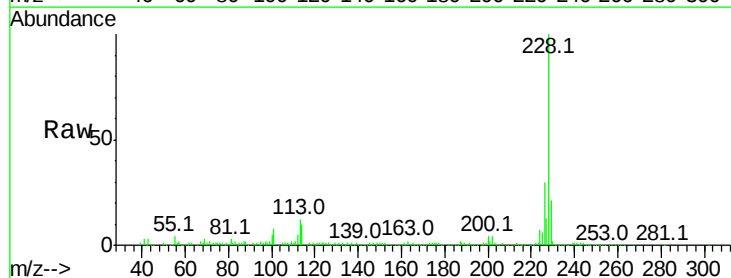
Instrument :
BNA_F
ClientSampleId :

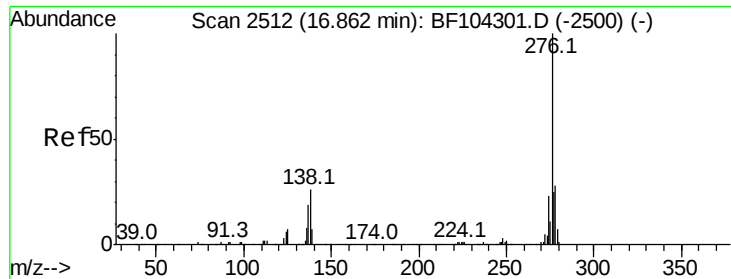
Tot Ion:228 Resp: 111889
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 19.7 15.8 23.6



#82
Chrysene
Concen: 9.975 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:228 Resp: 153568
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.2 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.252 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.03 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampleId :

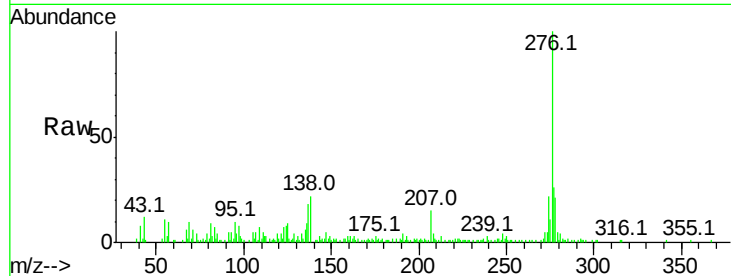
Tot Ion:276 Resp: 68683

Ion Ratio Lower Upper

276 100

138 24.4 25.0 37.6#

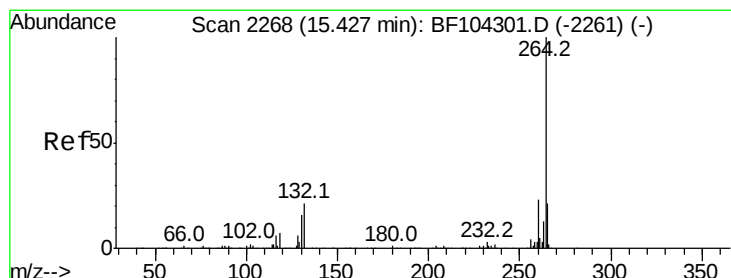
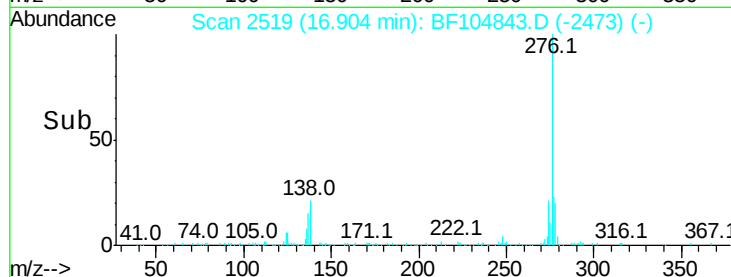
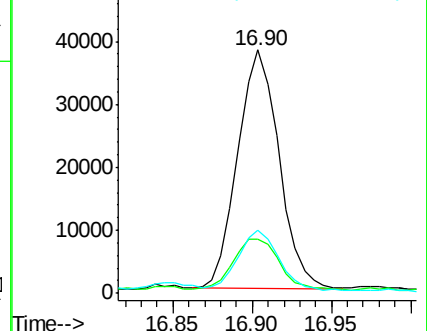
277 25.9 20.1 30.1



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: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

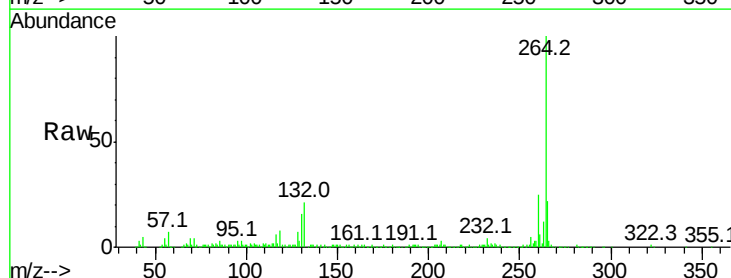
Tgt Ion:264 Resp: 217917

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

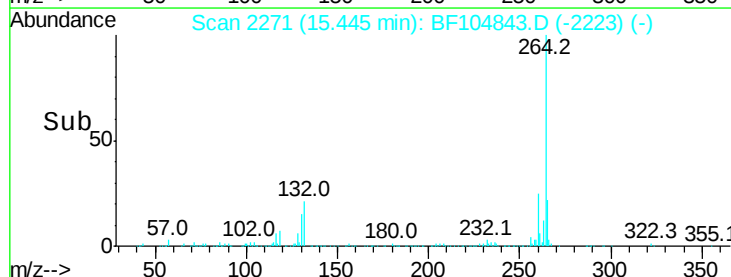
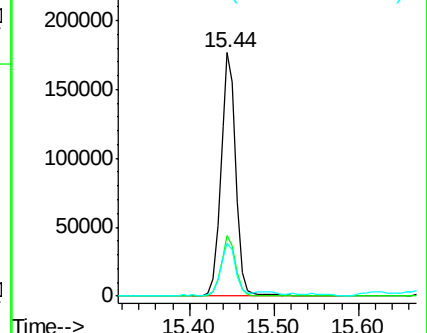
265 21.8 17.5 26.3

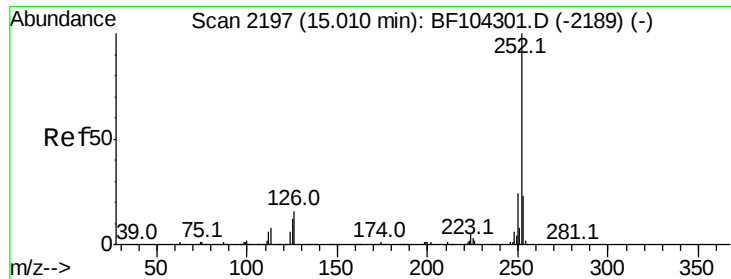


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.314 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

Instrument :

BNA_F

ClientSampleId :

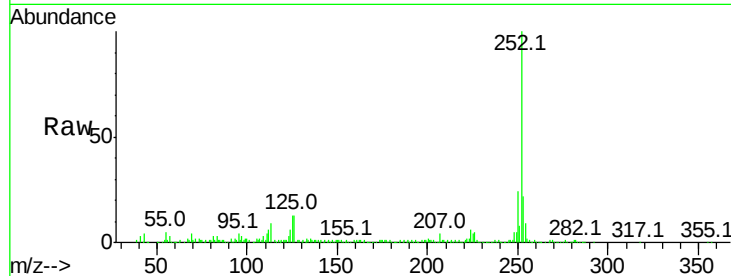
Tot Ion:252 Resp: 265818

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

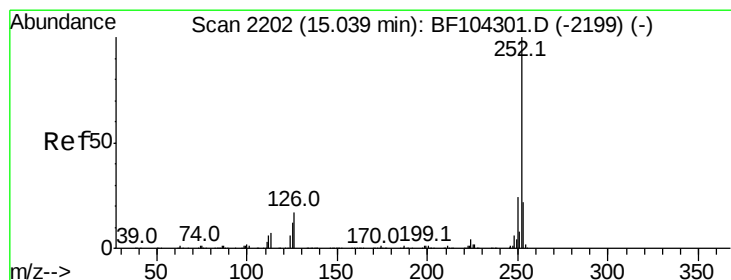
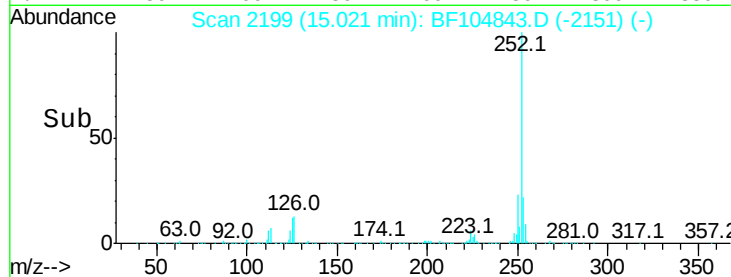
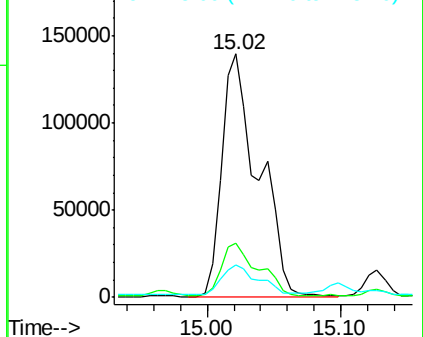
125 13.4 9.0 13.6



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: 20.457 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104843.D

Acq: 26 Apr 2018 18:01

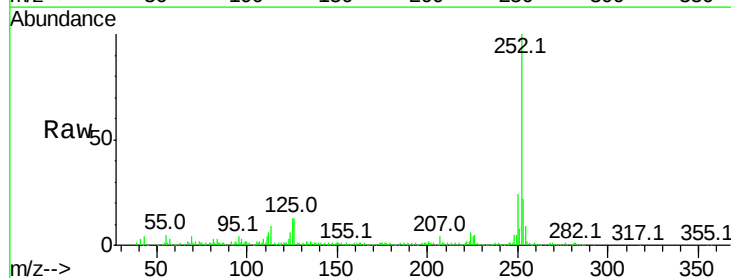
Tgt Ion:252 Resp: 265818

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

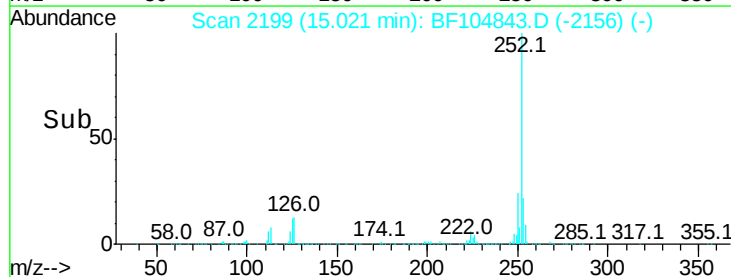
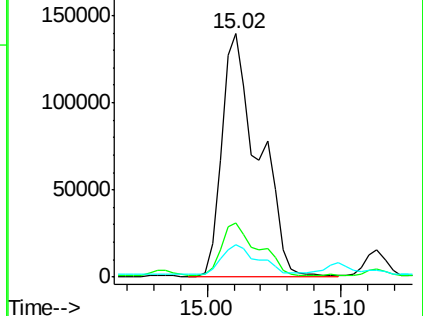
125 13.4 10.2 15.2

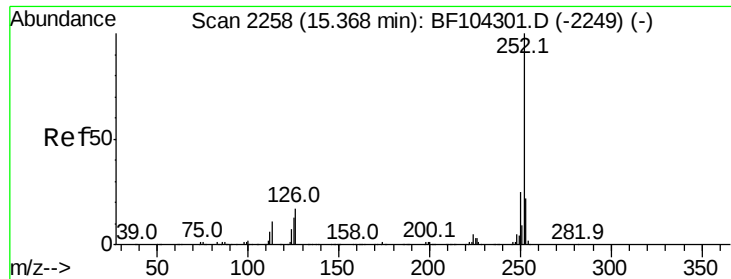


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

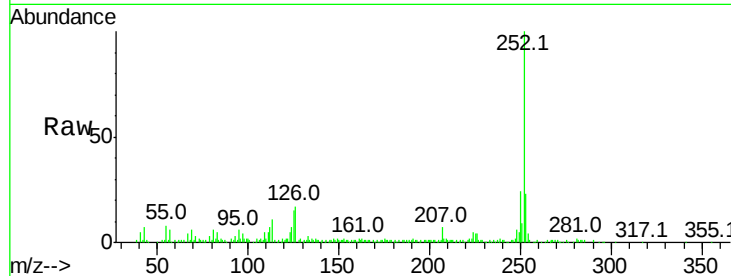




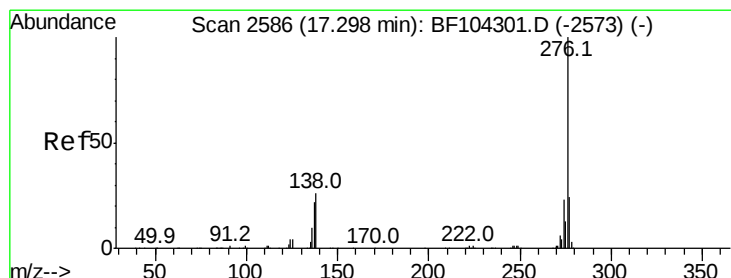
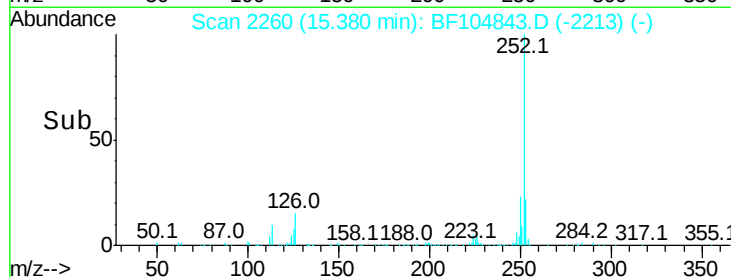
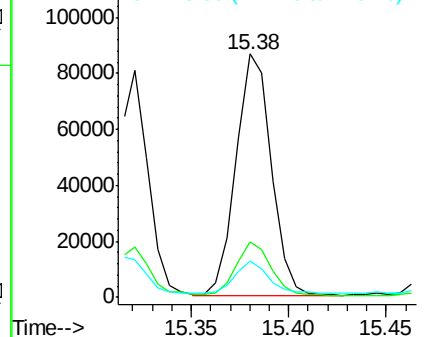
#89
Benzo(a)pyrene
Concen: 8.879 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 109348
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 15.0 9.8 14.6#

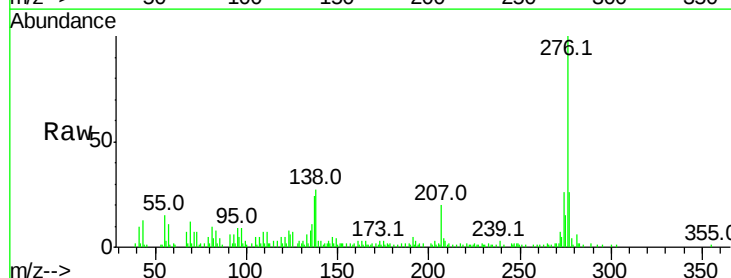


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.830 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104843.D
Acq: 26 Apr 2018 18:01

Tgt Ion:276 Resp: 66929
Ion Ratio Lower Upper
276 100
277 25.7 17.9 26.9
138 27.4 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

