

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104723.D
 Acq On : 23 Apr 2018 21:21
 Operator : JU/SJ
 Sample : J2500-01RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 01:05:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	112901	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	451507	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	186478	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	296108	20.00	ng	0.00
75) Chrysene-d12	13.99	240	192181	20.00	ng	0.00
86) Perylene-d12	15.46	264	153357	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	655488	88.77	ng	0.01
7) Phenol-d6	6.45	99	781550	86.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	432153	62.50	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	154434	79.84	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	762331	64.58	ng	0.00
78) Terphenyl-d14	12.93	244	590272	70.02	ng	0.00

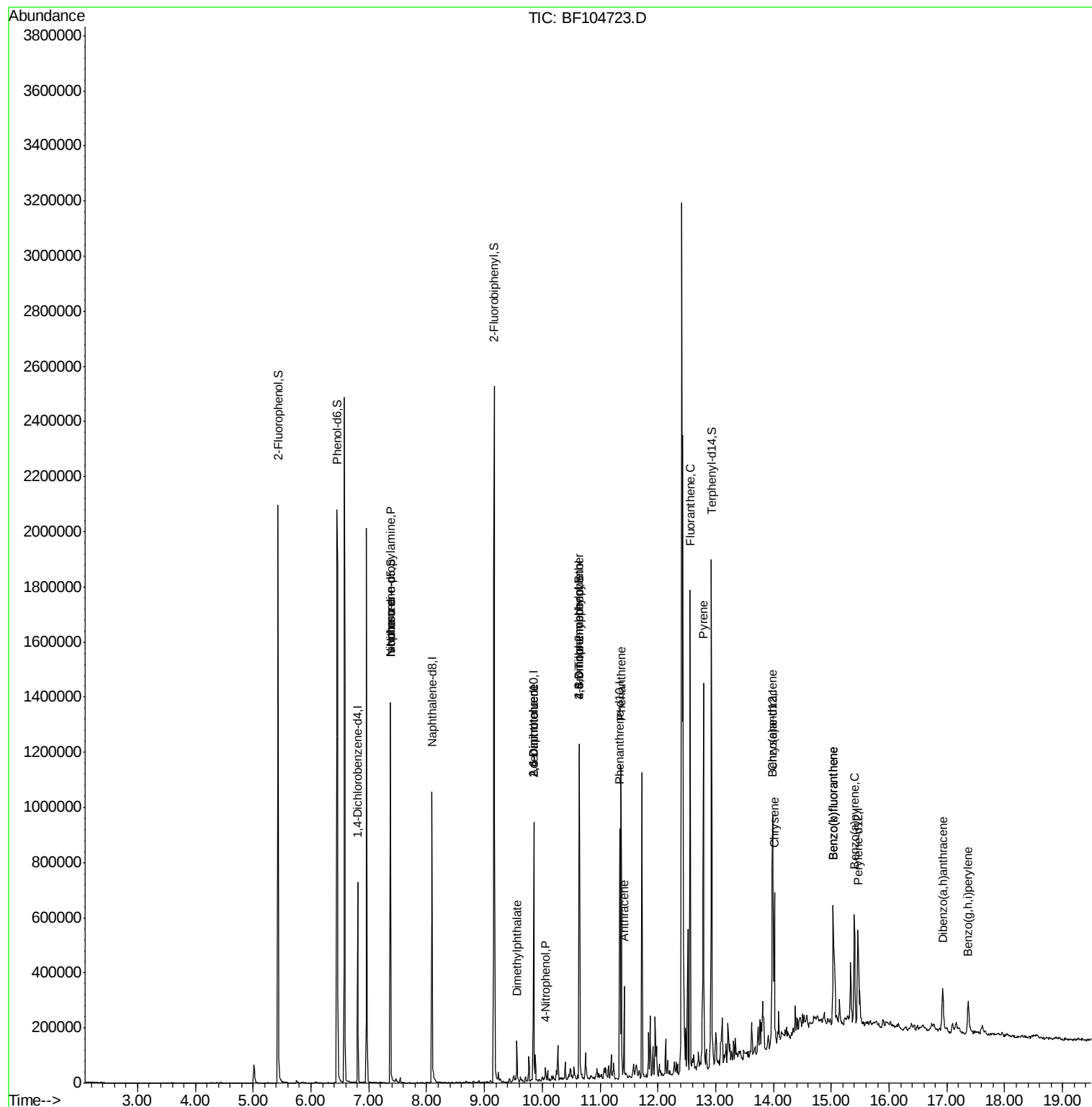
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	55102	9.295	ng	# 73
25) Isophorone	7.37	82	432209	29.559	ng	# 64
49) Dimethylphthalate	9.56	163	61398	4.175	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24662	9.063	ng	# 26
55) 4-Nitrophenol	10.06	139	5201	2.078	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	24662	6.910	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.64	198	148	7.434	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9246	2.936	ng	# 1
70) Phenanthrene	11.36	178	368992	22.377	ng	99
71) Anthracene	11.42	178	117956	7.037	ng	98
74) Fluoranthene	12.56	202	667450	38.740	ng	99
76) Benizidine	12.93	184	7760	Below Cal		95
77) Pvrene	12.79	202	592929	41.623	ng	99
80) Benzo(a)anthracene	13.97	228	252369	21.981	ng	100
82) Chrysene	14.02	228	214184	18.162	ng	98
87) Benzo(b)fluoranthene	15.03	252	317605	32.791	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	317605	34.733	ng	99
89) Benzo(a)pyrene	15.40	252	174382	20.122	ng	95
90) Dibenzo(a,h)anthracene	16.93	278	23369	3.283	ng	# 88
91) Benzo(a,h,i)perylene	17.37	276	95790	13.891	ng	98

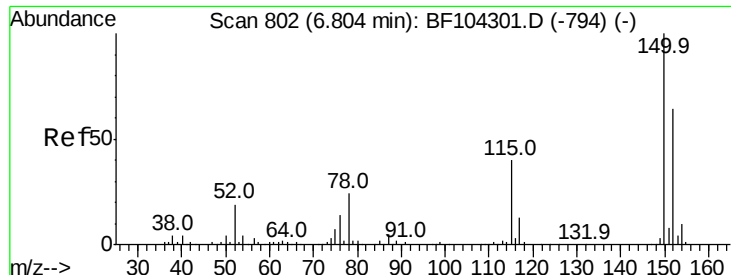
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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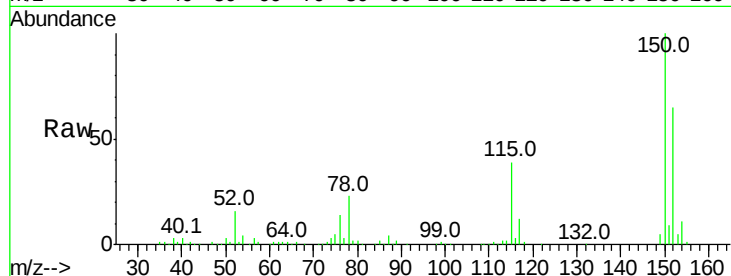


#1

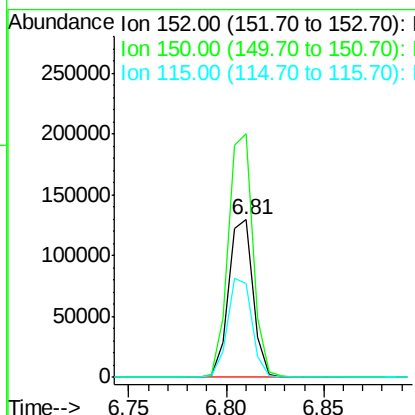
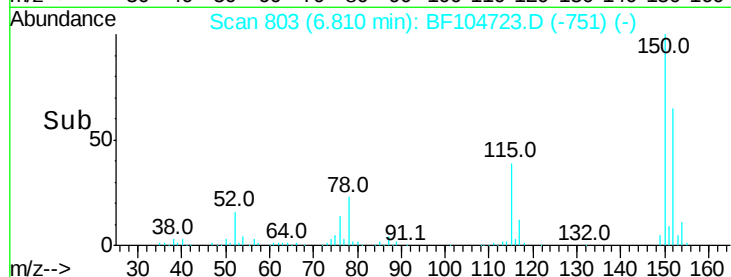
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112901
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 59.6 50.1 75.1



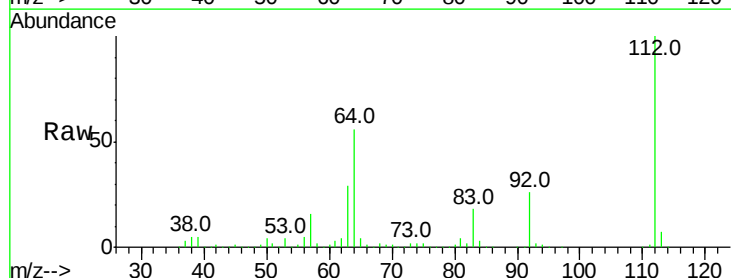
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



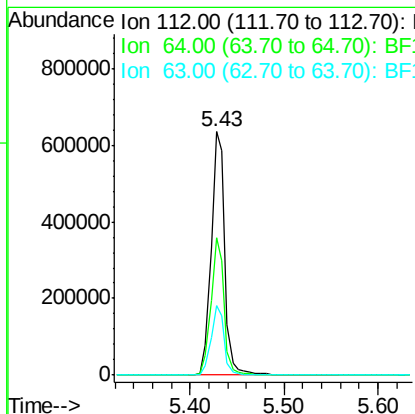
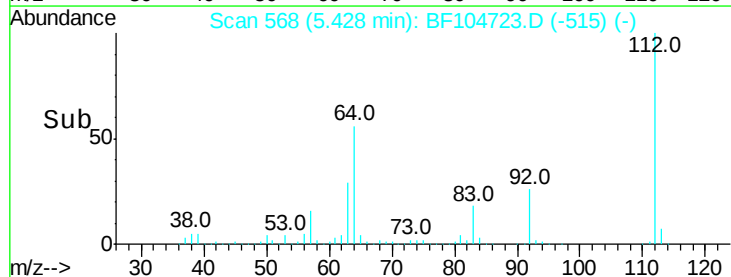
#5

2-Fluorophenol
Concen: 88.775 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:112 Resp: 655488
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.6 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: 86.148 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampled :

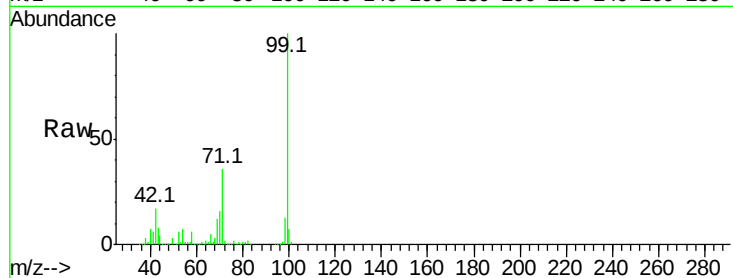
Tot Ion: 99 Resp: 781550

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

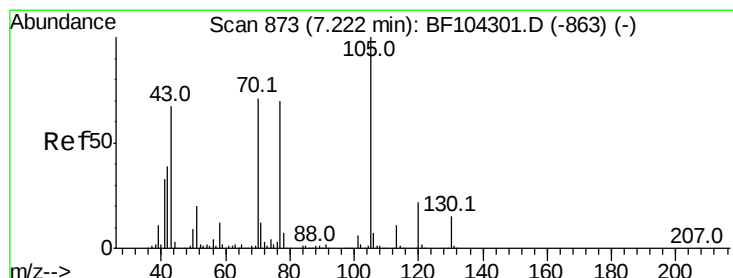
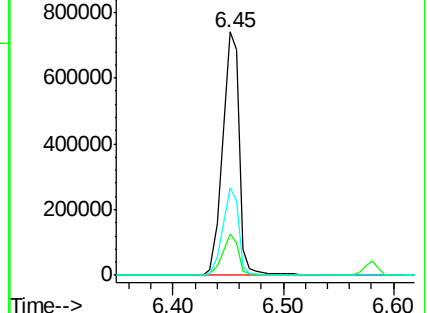
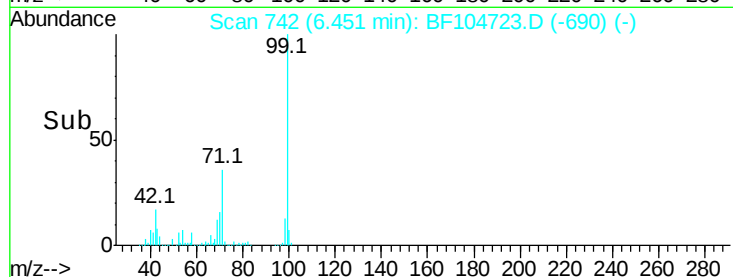
71 35.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.295 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Tgt Ion: 70 Resp: 55102

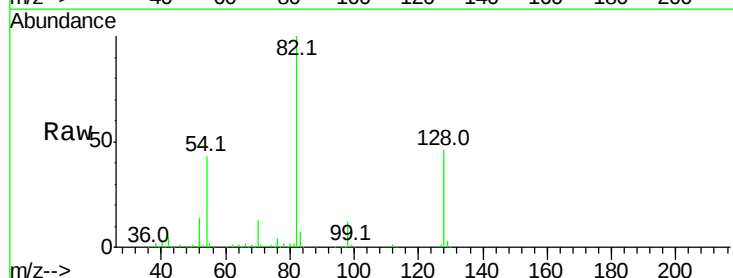
Ion Ratio Lower Upper

70 100

42 41.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

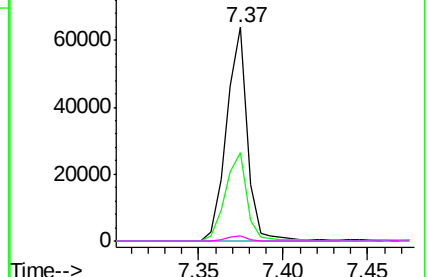
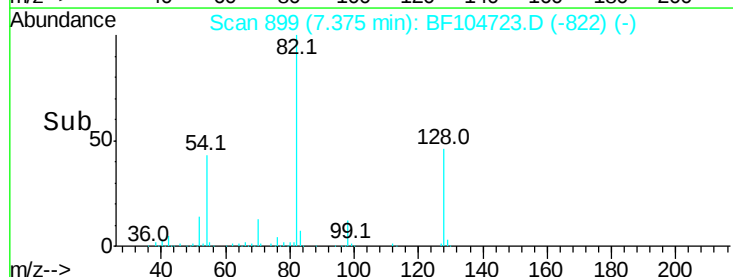


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1021

Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 451507

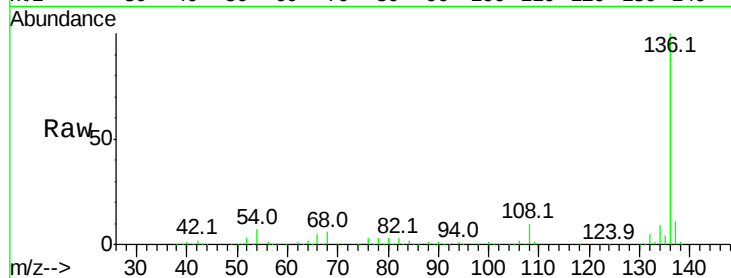
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

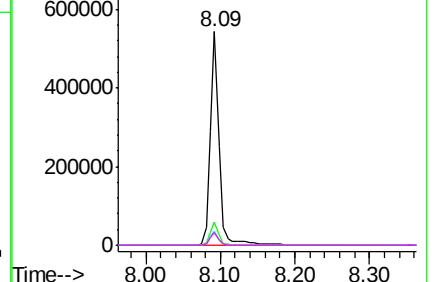
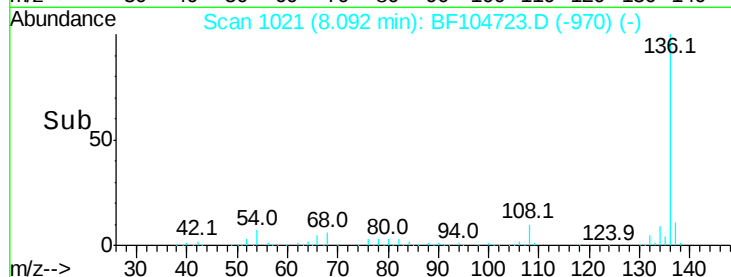


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.499 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

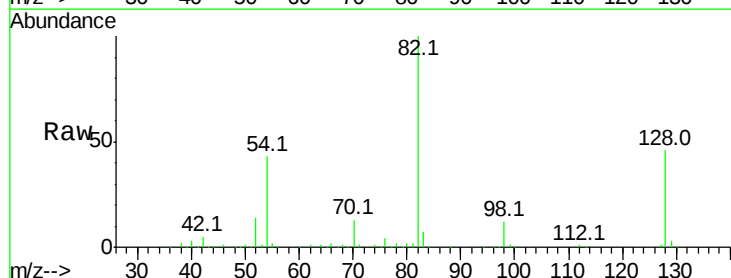
Tgt Ion: 82 Resp: 432153

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

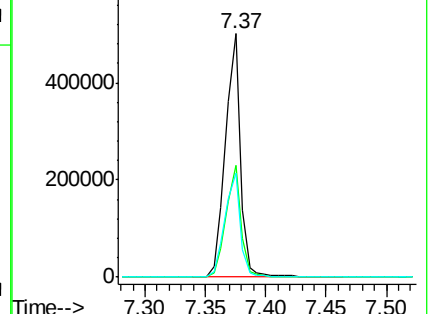
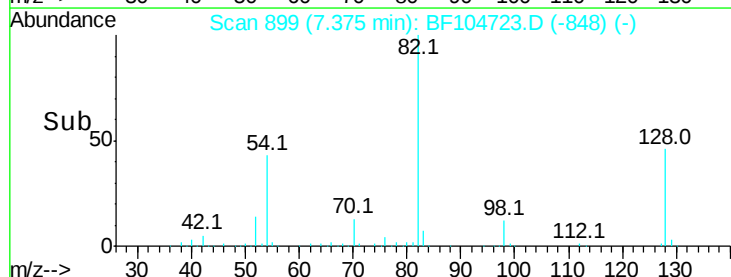
54 42.6 41.4 62.2



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

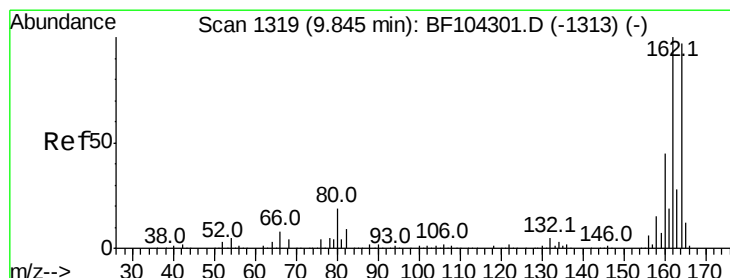
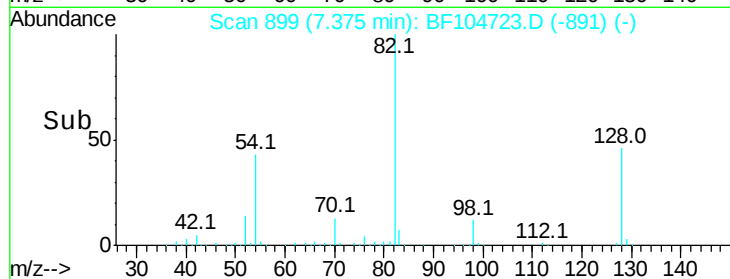
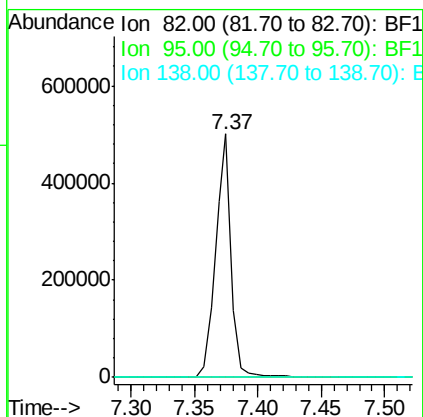
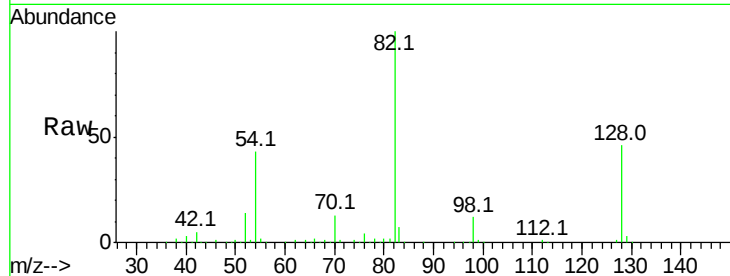




#25
Isophorone
Concen: 29.559 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

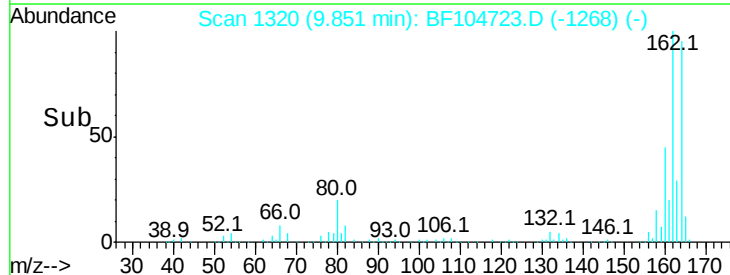
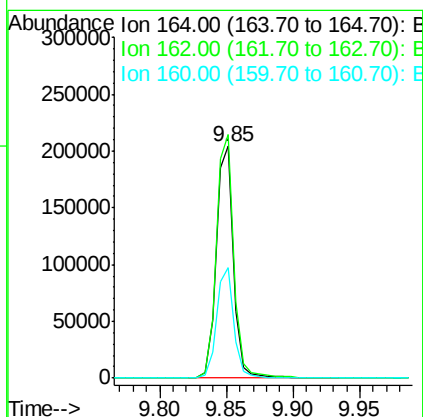
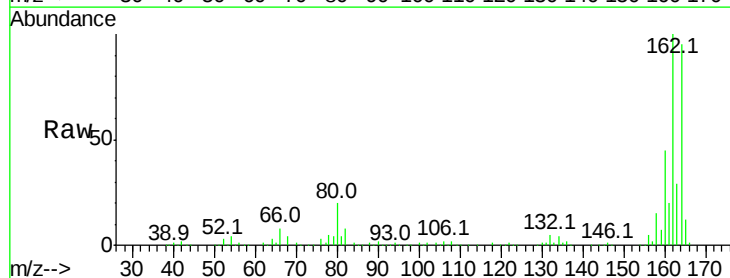
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 432209
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: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:164 Resp: 186478
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 47.7 38.3 57.5

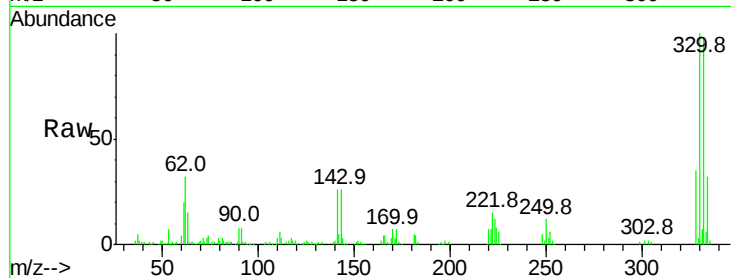




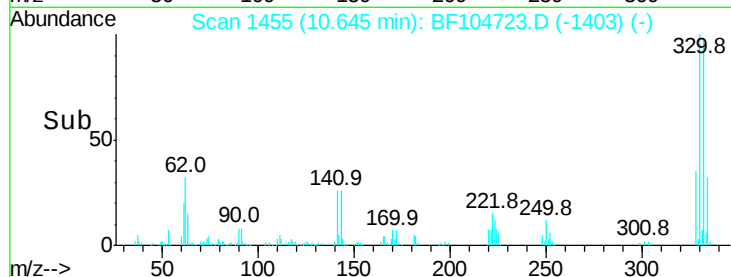
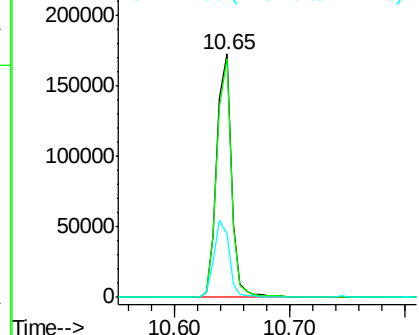
#41
 2,4,6-Tribromophenol
 Concen: 79.836 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	33.6	29.9	44.9

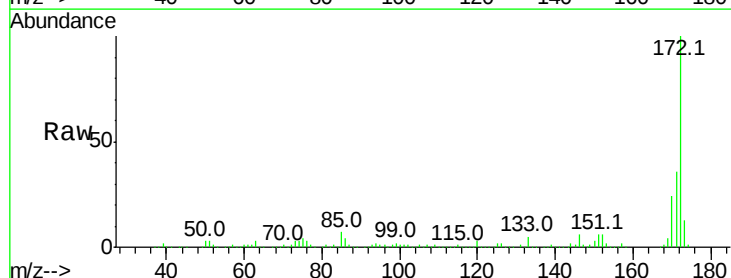


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

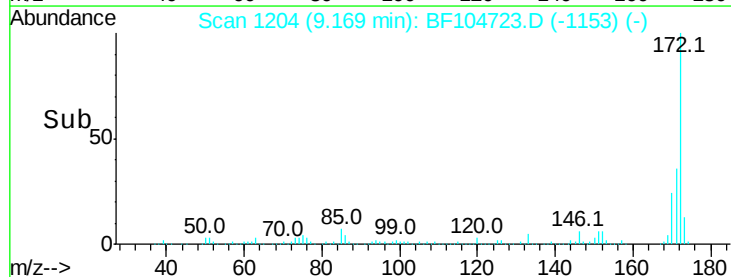
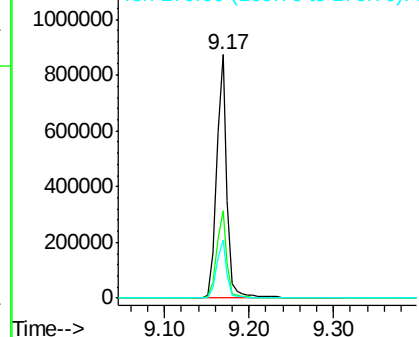


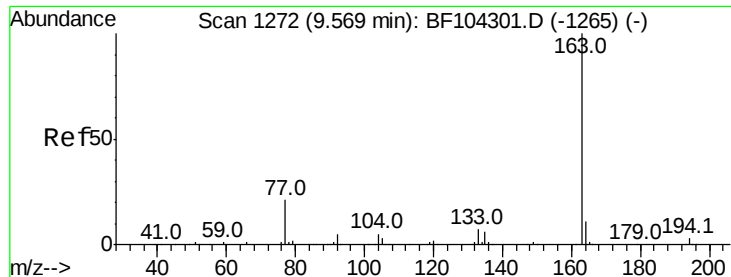
#44
 2-Fluorobiphenyl
 Concen: 64.581 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	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

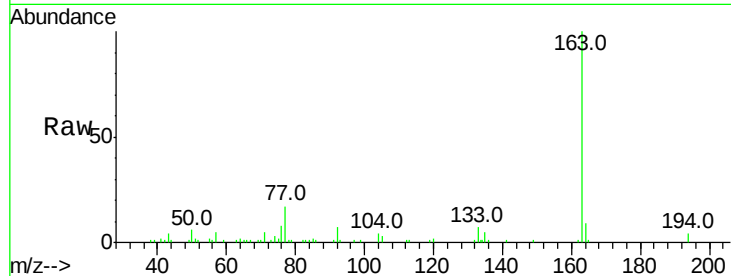




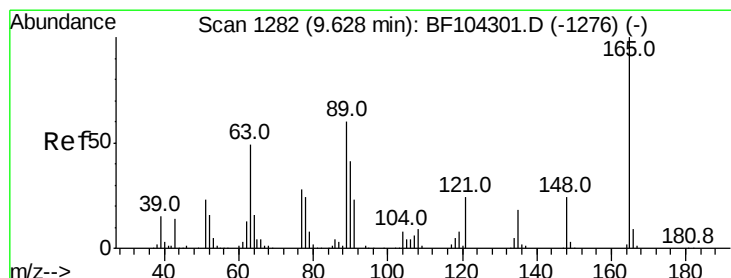
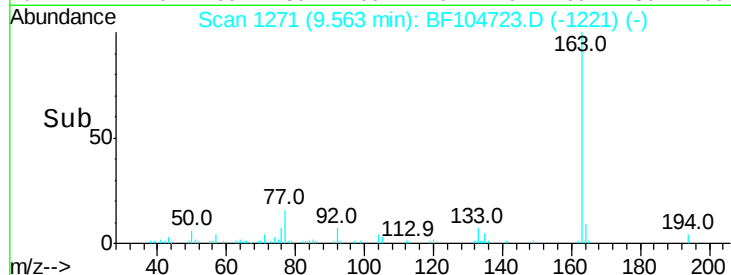
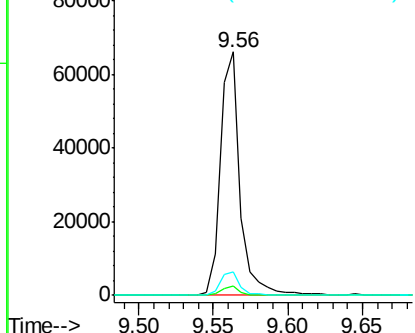
#49
Dimethylphthalate
Concen: 4.175 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 61398
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.5 8.2 12.2

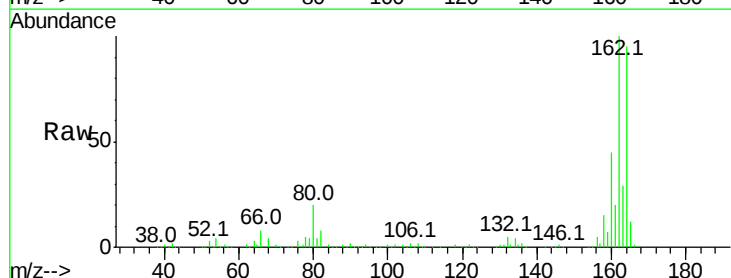


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

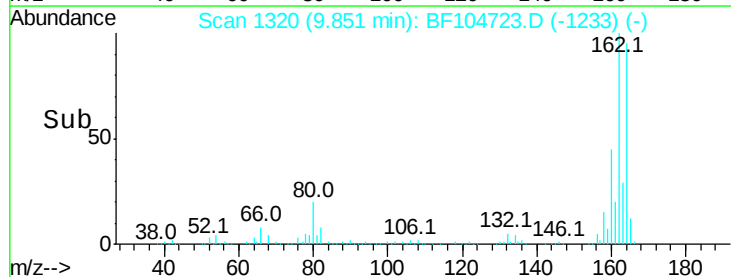
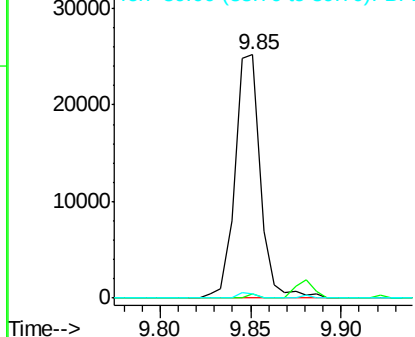


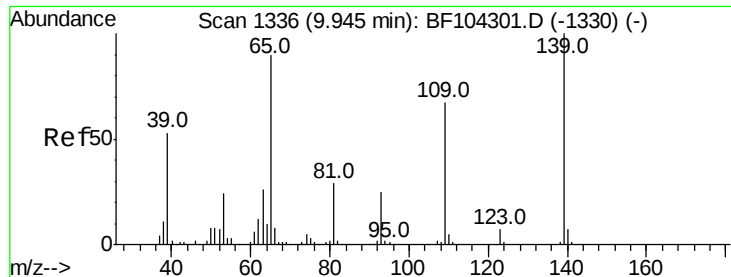
#50
2,6-Dinitrotoluene
Concen: 9.063 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:165 Resp: 24662
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 1.9 44.0 66.0#



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





#55

4-Nitrophenol

Concen: 2.078 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.08 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

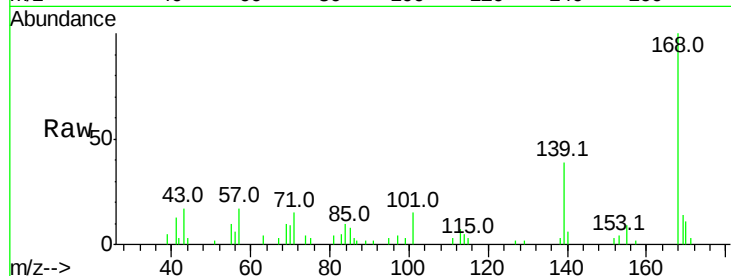
Tot Ion:139 Resp: 5201

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

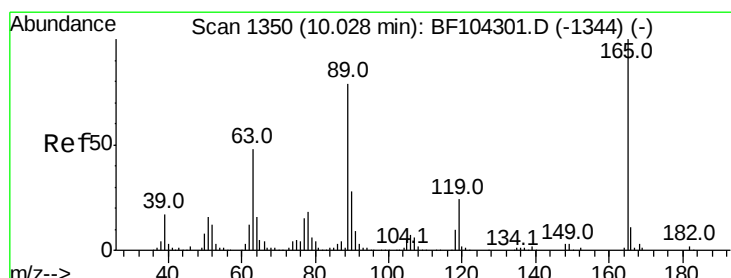
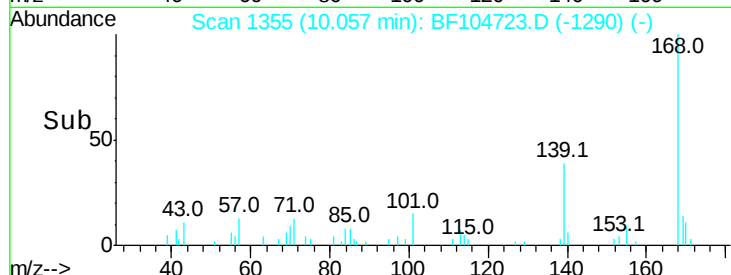
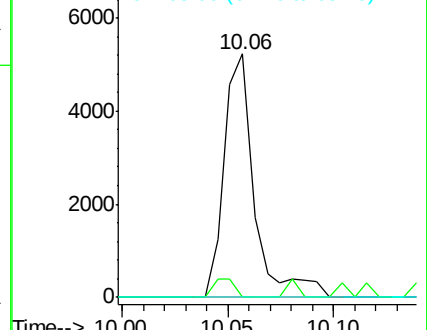
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.910 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Tgt Ion:165 Resp: 24662

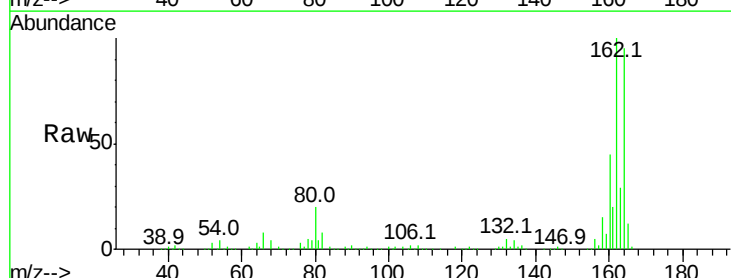
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

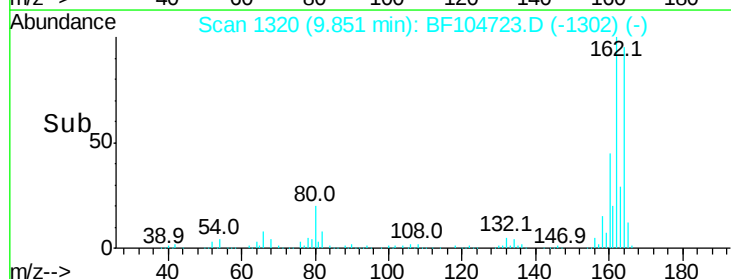
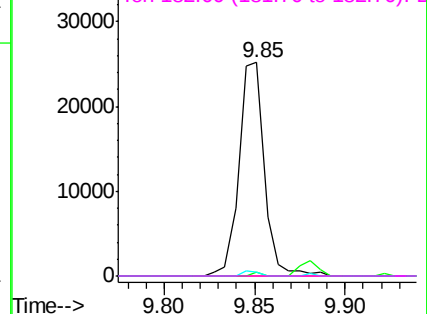


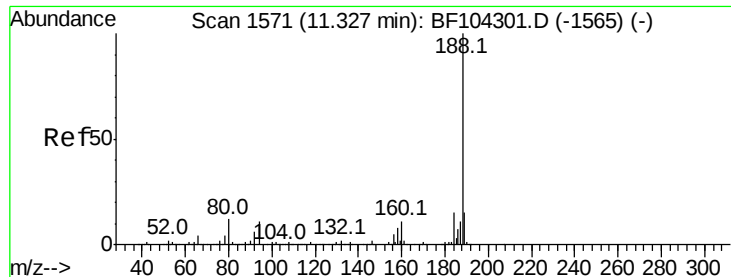
Abundance Ion 165.00 (164.70 to 165.70): E

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

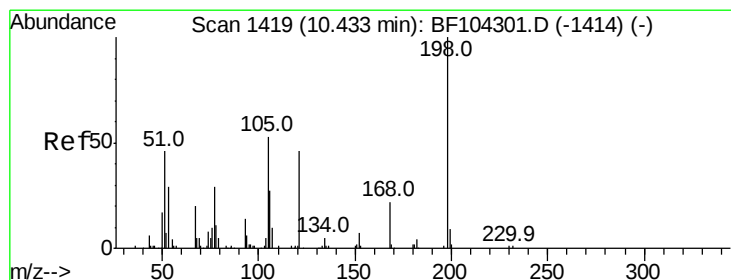
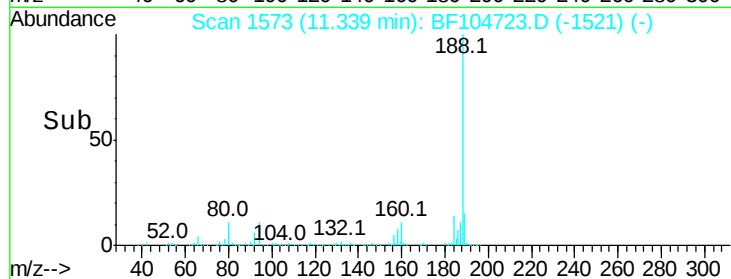
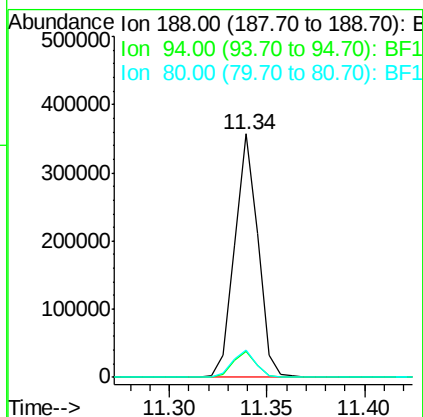
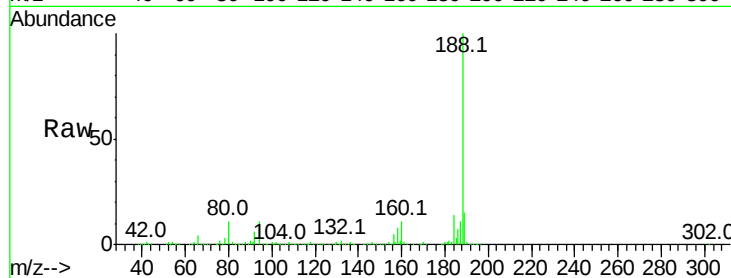




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

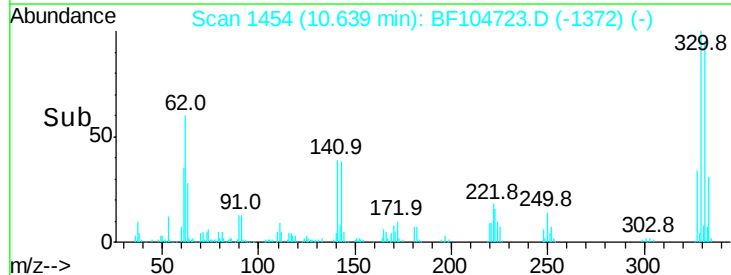
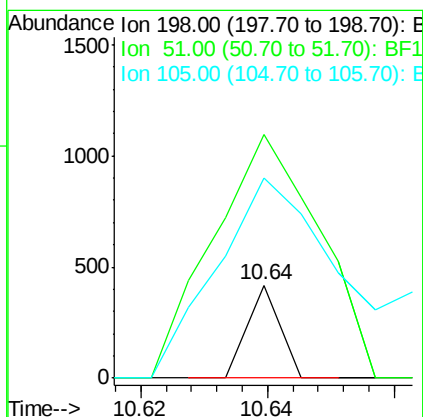
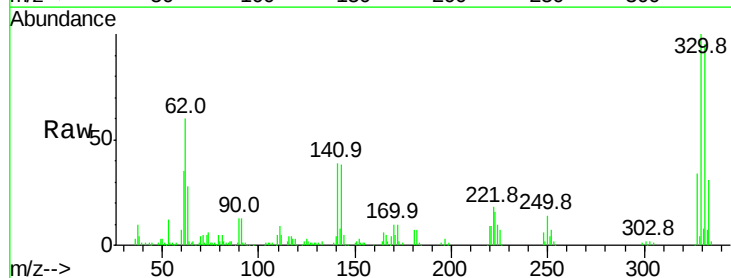
Instrument :
BNA_F
ClientSampleId :

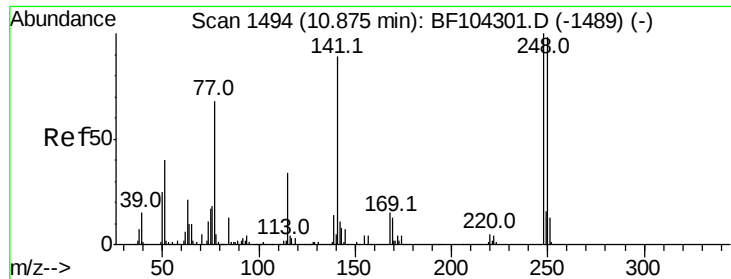
Tot Ion:188 Resp: 296108
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.434 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:198 Resp: 148
Ion Ratio Lower Upper
198 100
51 261.6 37.7 77.7#
105 215.3 36.3 76.3#

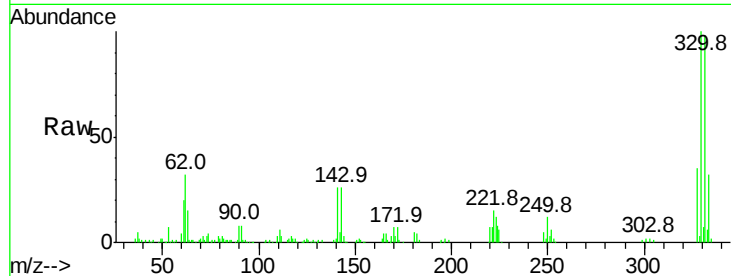




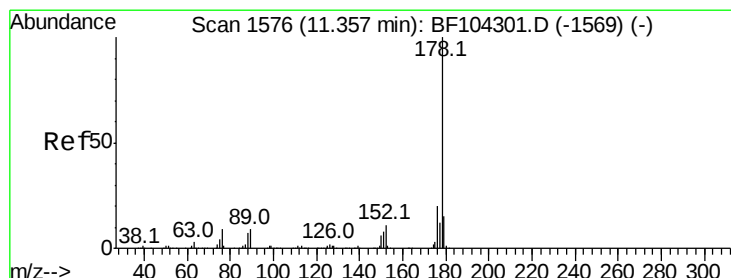
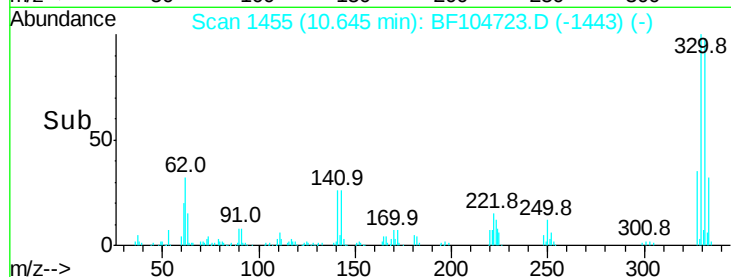
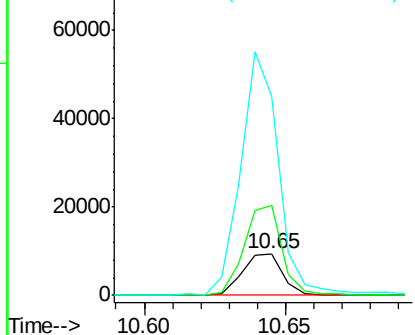
#66
4-Bromophenyl-phenylether
Concen: 2.936 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9246
Ion Ratio Lower Upper
248 100
250 216.7 76.9 115.3#
141 476.5 74.4 111.6#

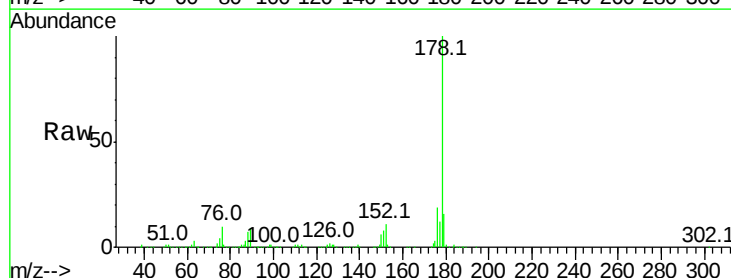


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

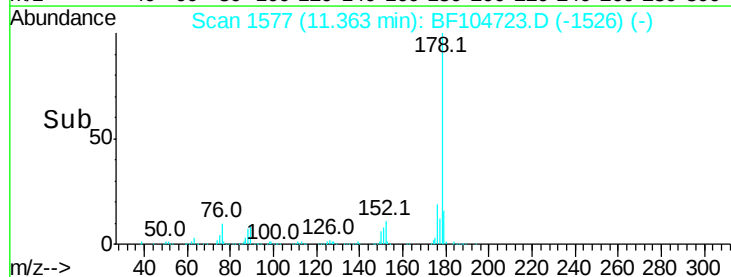
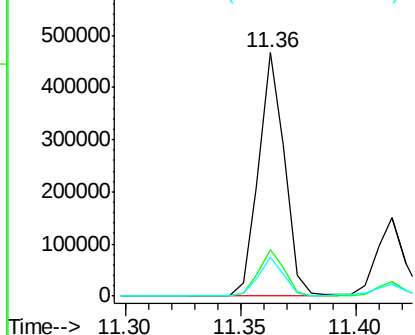


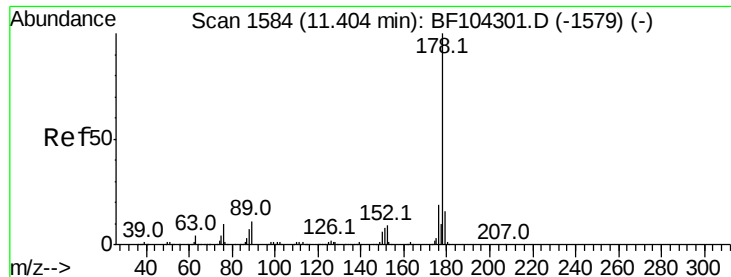
#70
Phenanthrene
Concen: 22.377 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:178 Resp: 368992
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.7 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

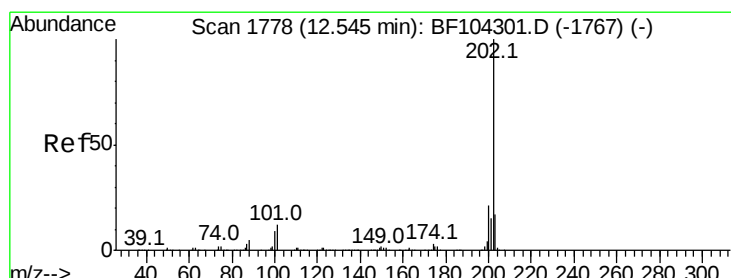
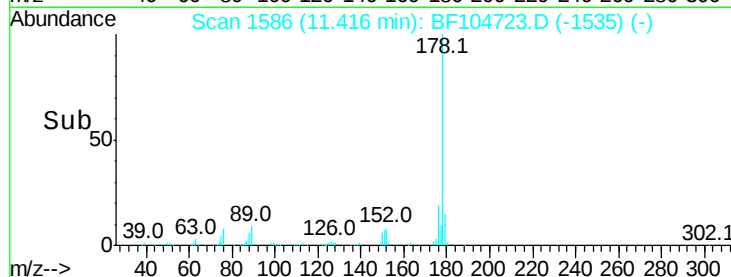
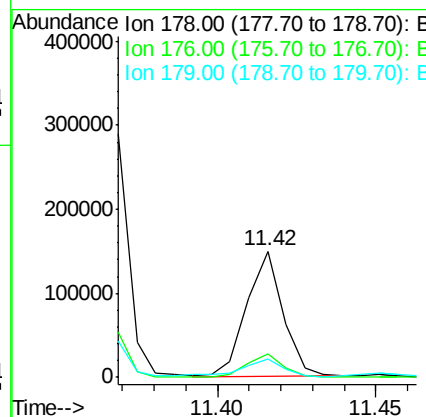
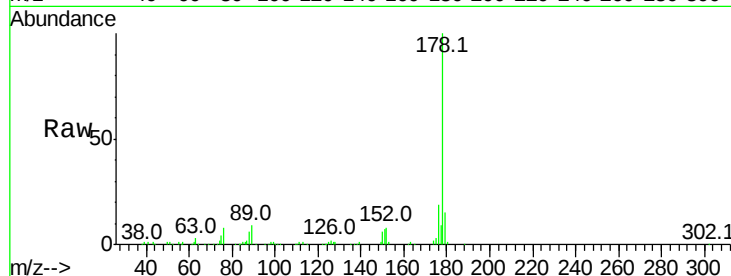




#71
 Anthracene
 Concen: 7.037 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

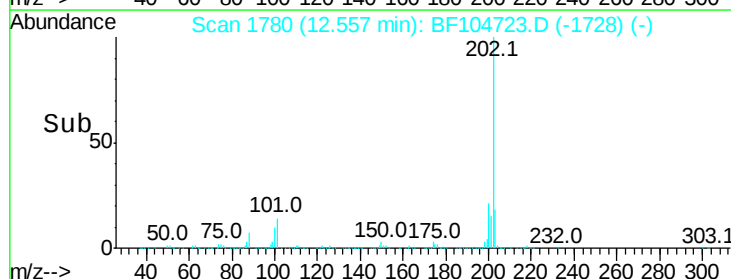
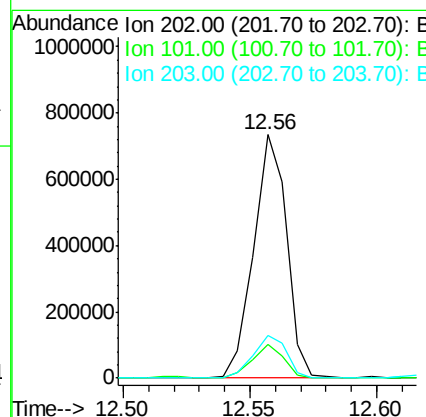
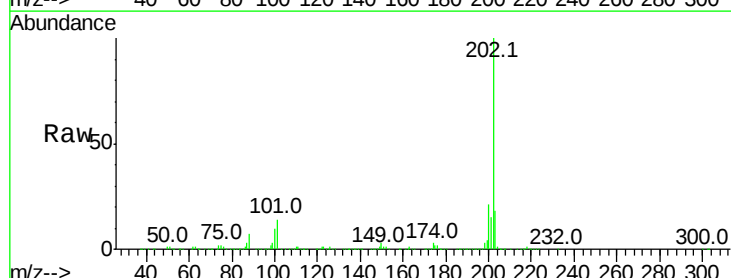
Instrument :
 BNA_F
 ClientSampleId :

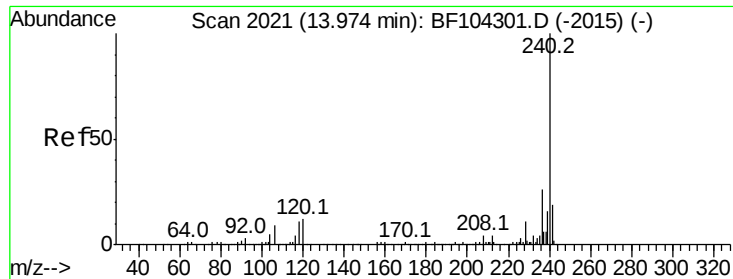
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.9	12.6	19.0



#74
 Fluoranthene
 Concen: 38.740 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

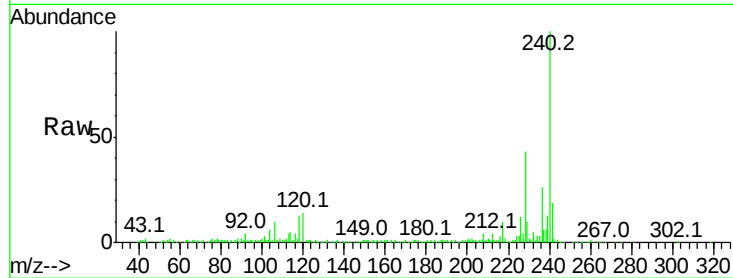
Tot Ion:240 Resp: 192181

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

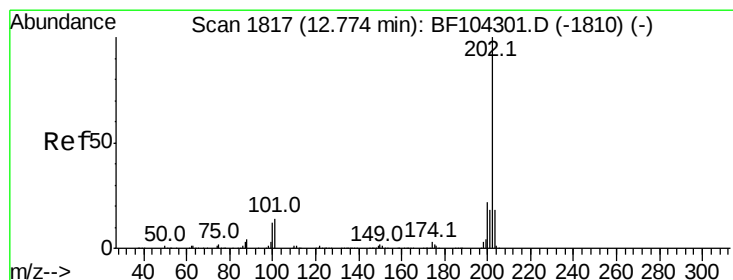
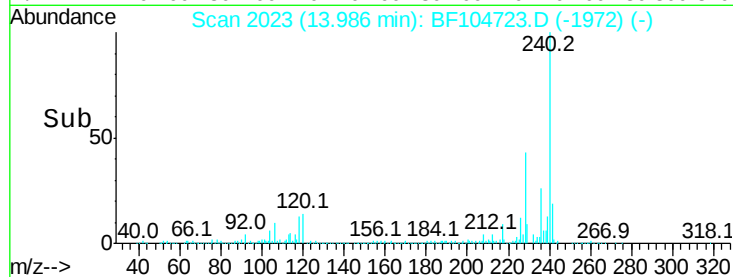
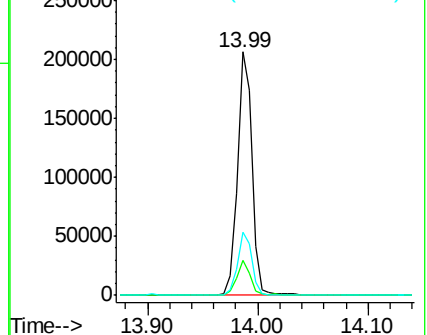
236 26.1 20.7 31.1



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

Pyrene

Concen: 41.623 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

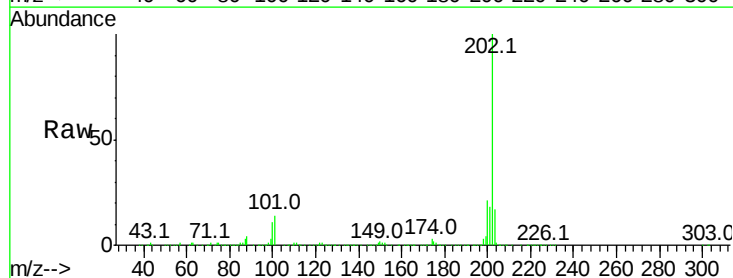
Tgt Ion:202 Resp: 592929

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

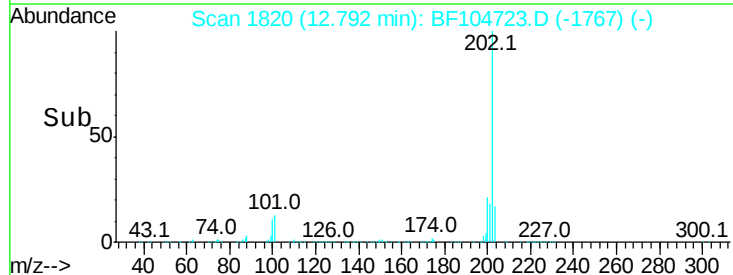
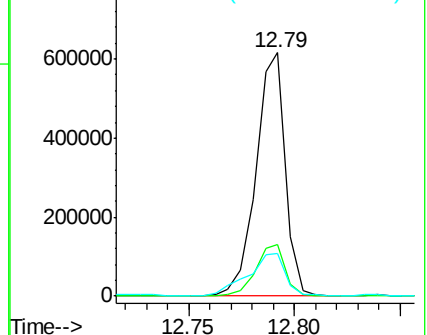
203 17.4 14.3 21.5

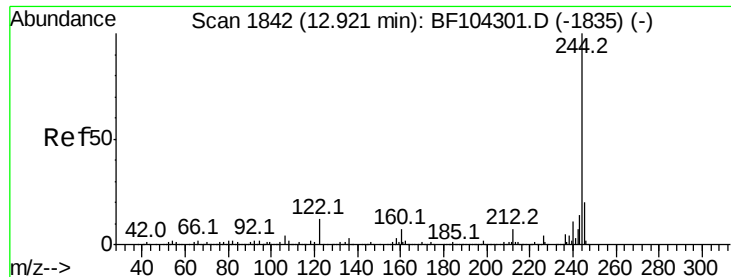


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.024 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

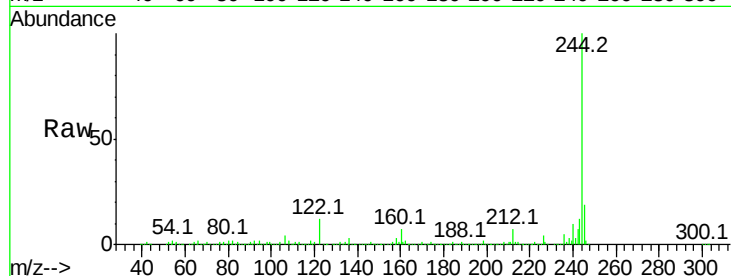
Tot Ion:244 Resp: 590272

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

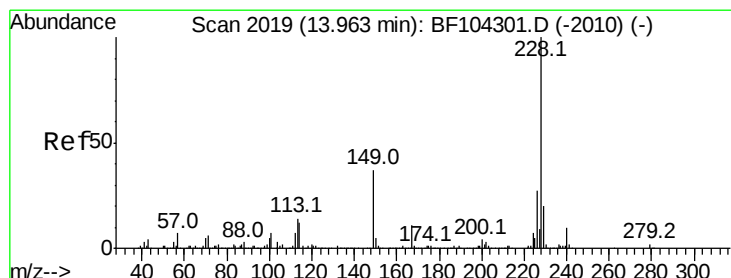
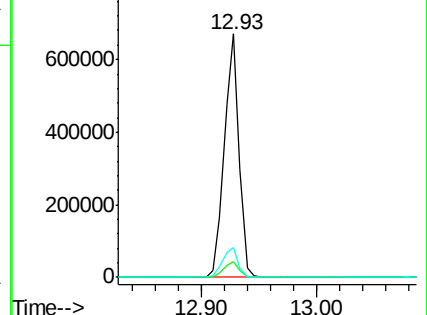
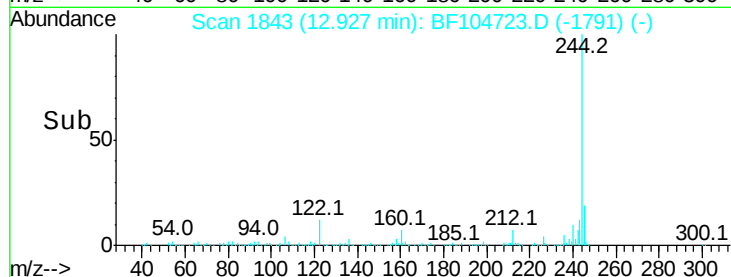
122 12.0 11.0 16.4



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: 21.981 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

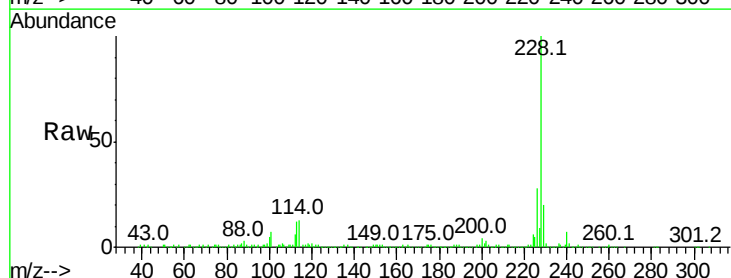
Tgt Ion:228 Resp: 252369

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

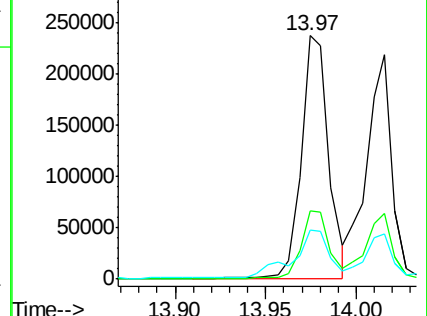
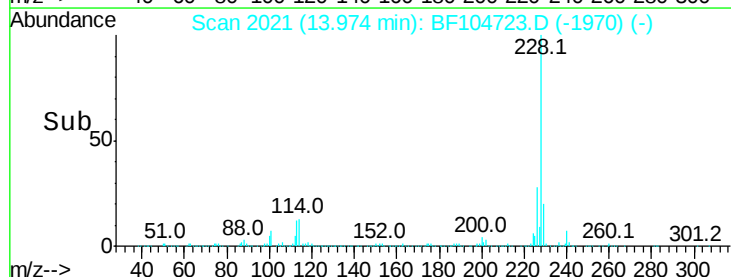
229 19.9 15.8 23.6

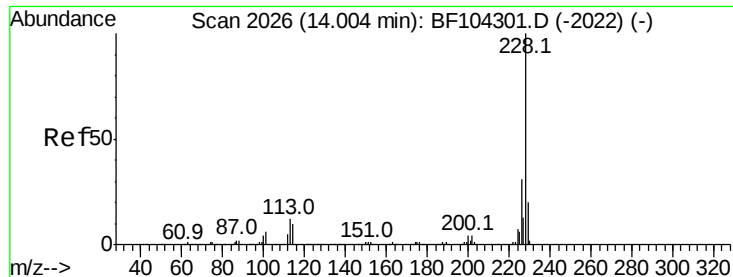


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.162 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

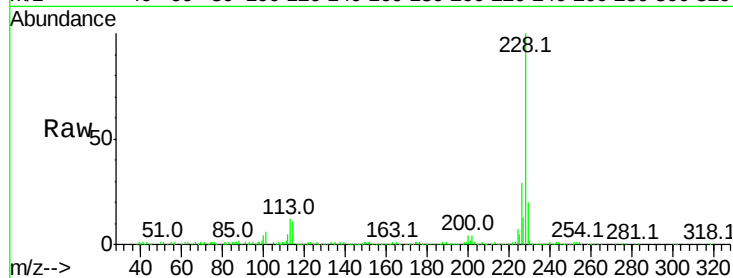
Tot Ion:228 Resp: 214184

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

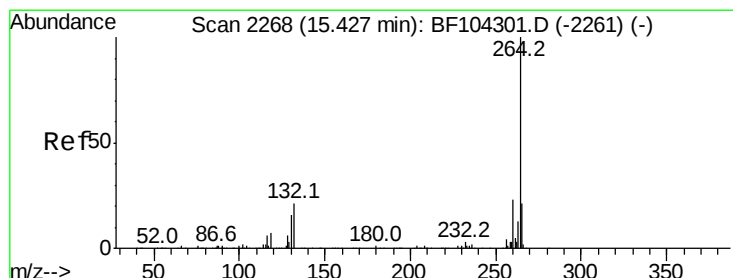
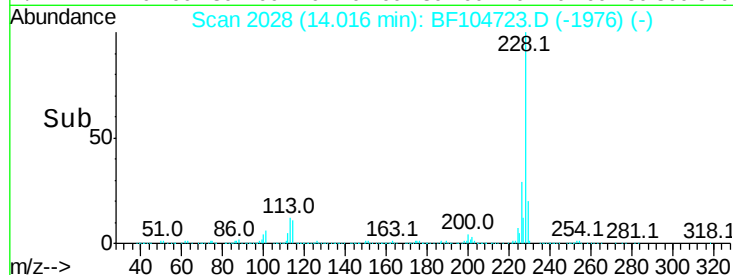
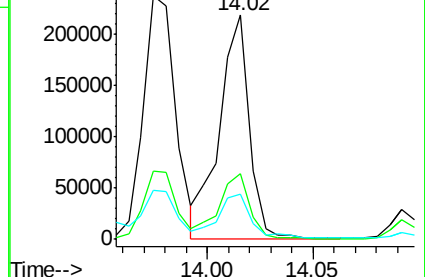
229 20.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

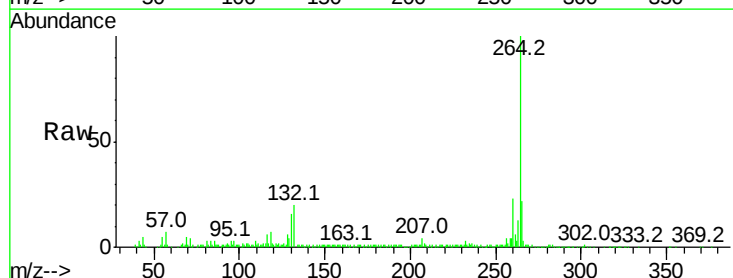
Tgt Ion:264 Resp: 153357

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

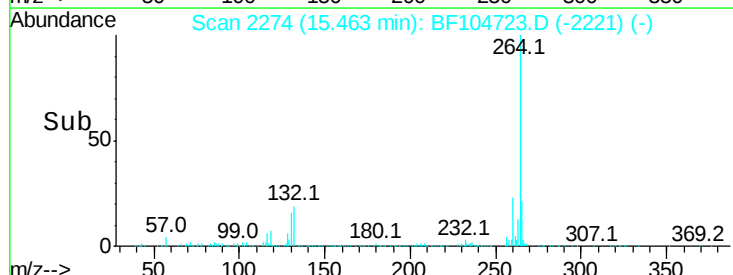
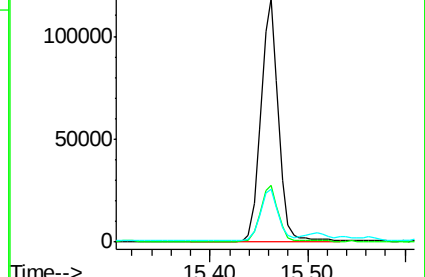
265 21.8 17.5 26.3

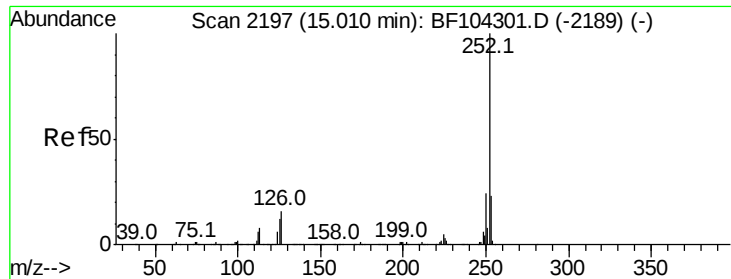


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

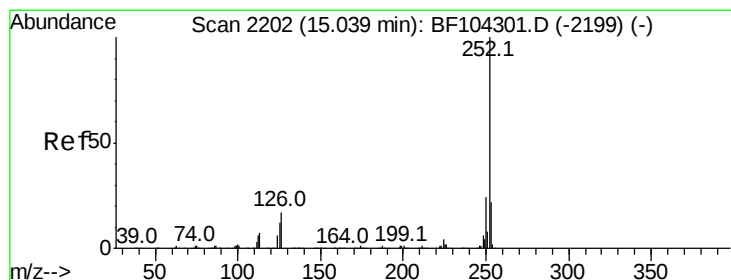
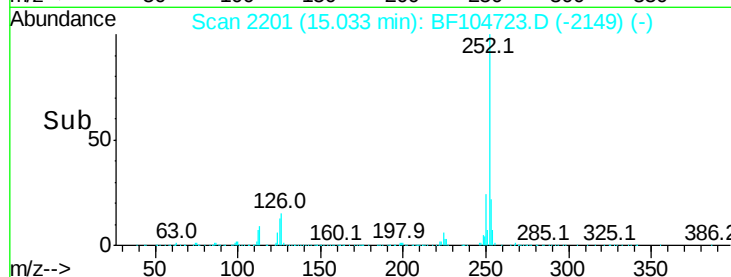
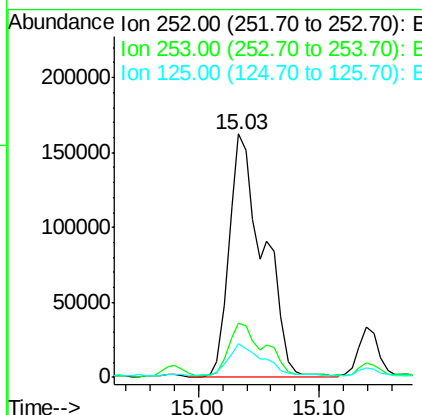
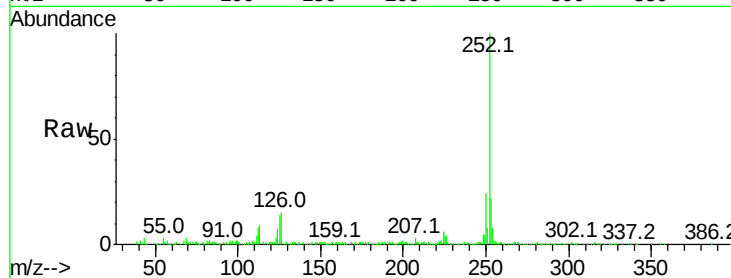




#87
Benzo(b)fluoranthene
Concen: 32.791 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

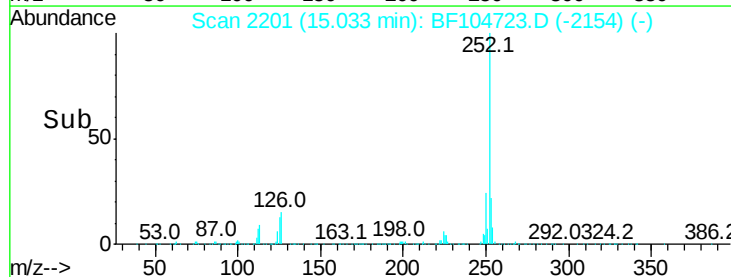
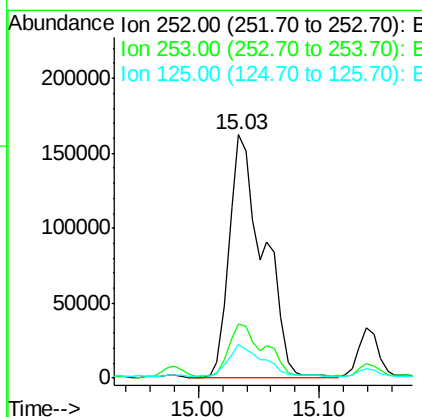
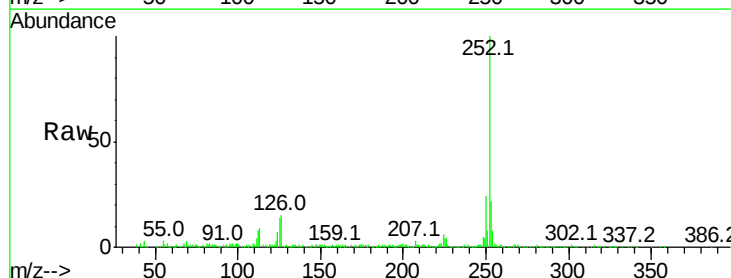
Instrument :
BNA_F
ClientSampleId :

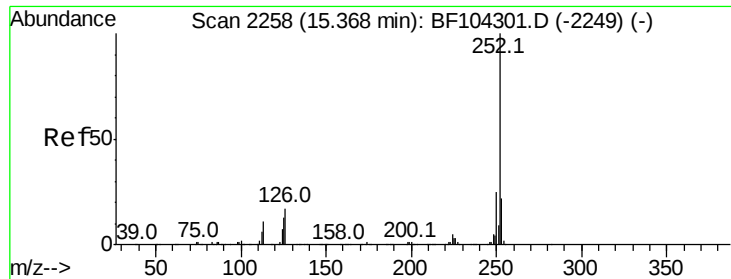
Tot Ion:252 Resp: 317605
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 34.733 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion:252 Resp: 317605
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 13.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 20.122 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

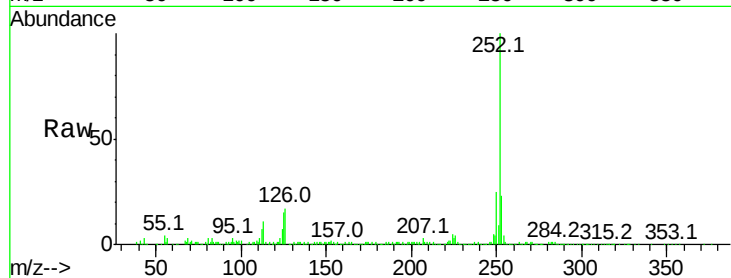
Tot Ion:252 Resp: 174382

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

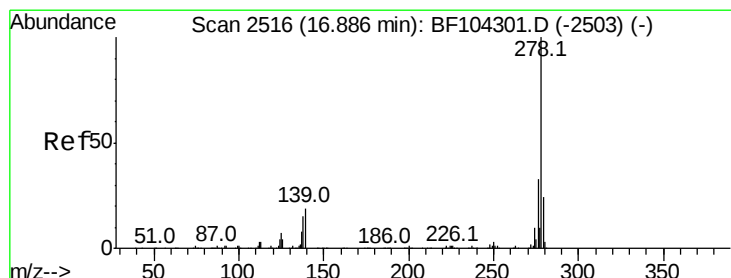
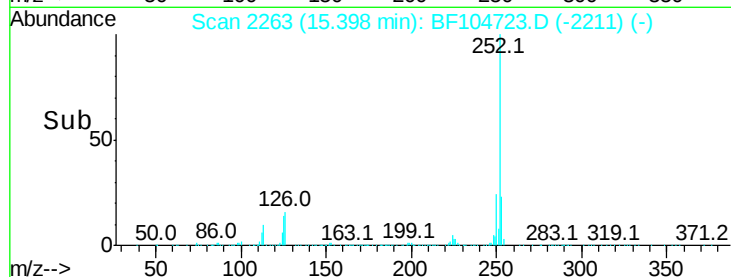
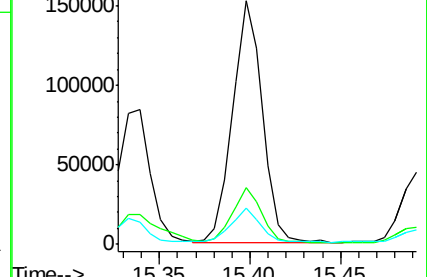
125 14.6 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.283 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

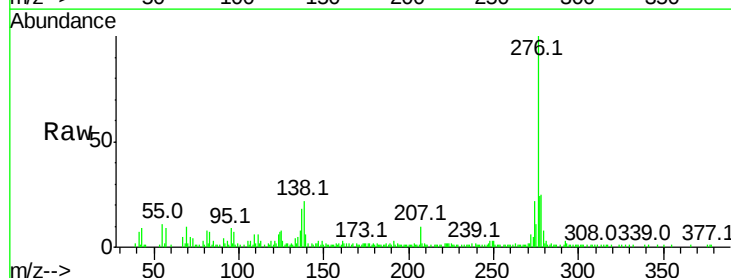
Tgt Ion:278 Resp: 23369

Ion Ratio Lower Upper

278 100

139 24.9 15.9 23.9#

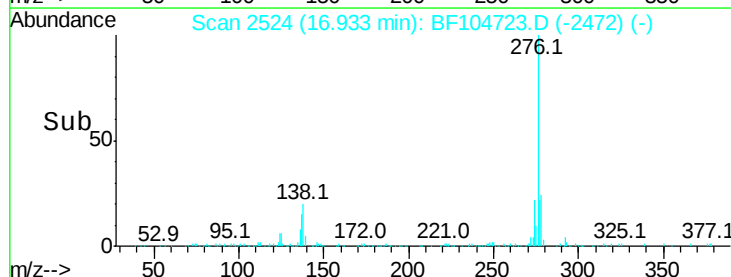
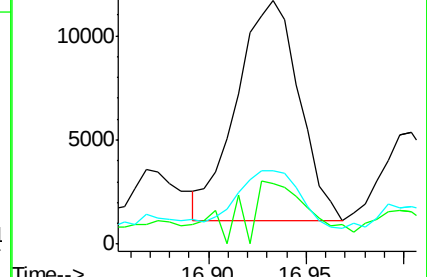
279 30.2 19.0 28.4#

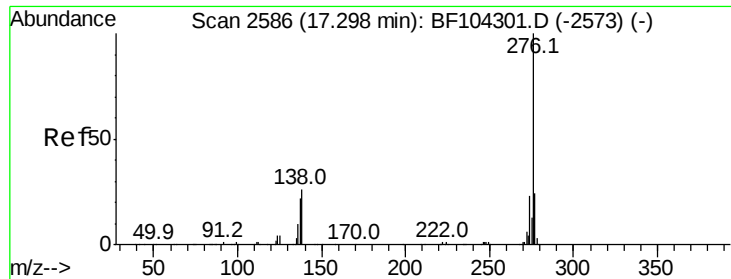


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

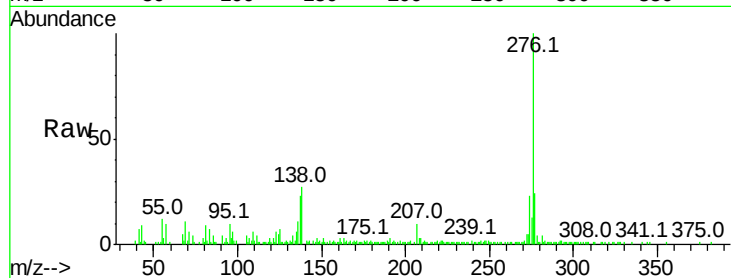




#91
 Benzo(a,h,i)perylene
 Concen: 13.891 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. 0.02 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	27.0	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

