

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104797.D
 Acq On : 25 Apr 2018 19:00
 Operator : JU/SJ
 Sample : J2156-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:16:00 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	105348	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	429513	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	172500	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	245582	20.00	ng	0.00
75) Chrysene-d12	13.99	240	203442	20.00	ng	0.00
86) Perylene-d12	15.46	264	153638	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	625918	90.85	ng	0.00
7) Phenol-d6	6.44	99	777676	91.87	ng	0.00
23) Nitrobenzene-d5	7.37	82	474063	72.07	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	151167	84.48	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	842327	77.14	ng	0.00
78) Terphenyl-d14	12.93	244	583749	65.42	ng	0.00

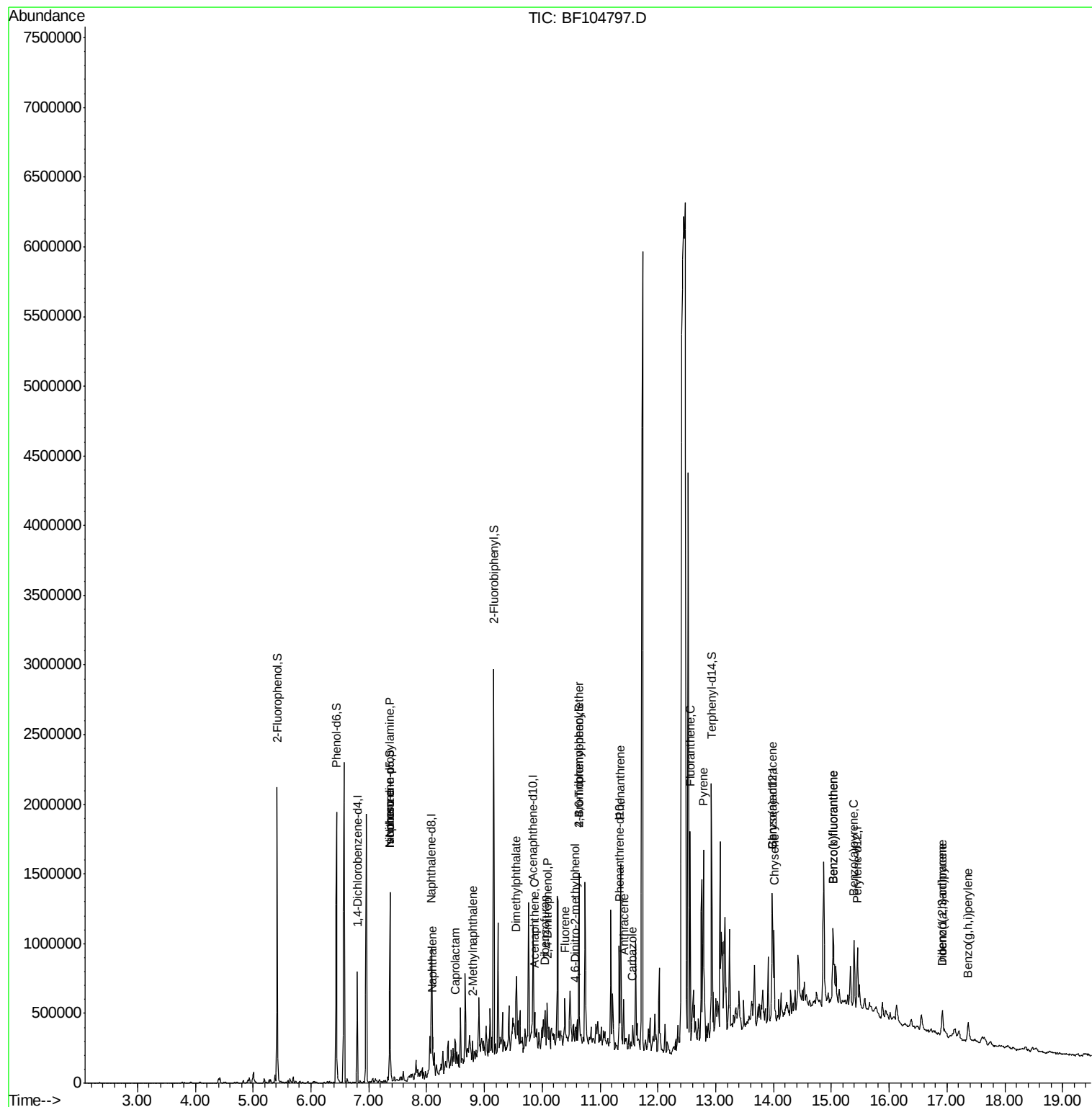
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.37	70	63443	11.469	ng	# 73
25) Isophorone	7.37	82	474063	34.082	ng	# 64
31) Naphthalene	8.10	128	78002	3.647	ng	# 98
35) Caprolactam	8.50	113	4423	2.165	ng	# 29
37) 2-Methylnaphthalene	8.80	142	37616	2.719	ng	# 99
49) Dimethylphthalate	9.55	163	64629	4.751	ng	# 99
51) Acenaphthene	9.87	154	34380	3.138	ng	# 98
53) 2,4-Dinitrophenol	10.09	184	118	5.296	ng	# 1
54) Dibenzofuran	10.05	168	50872	3.331	ng	# 92
57) Fluorene	10.39	166	74302	6.685	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.57	198	113	7.427	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9338	3.575	ng	# 1
70) Phenanthrene	11.36	178	442769	32.375	ng	# 99
71) Anthracene	11.41	178	133638	9.613	ng	# 97
72) Carbazole	11.57	167	35018	2.578	ng	# 96
74) Fluoranthene	12.56	202	566789	39.666	ng	# 97
76) Benzidine	12.72	184	976	Below Cal		# 1
77) Pyrene	12.79	202	530670	35.191	ng	# 99
80) Benzo(a)anthracene	13.97	228	293742	24.169	ng	# 96
82) Chrysene	14.01	228	257989	20.666	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.92	276	116529	10.988	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	415141	42.783	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	415141	45.316	ng	# 97
89) Benzo(a)pyrene	15.39	252	216515	24.938	ng	# 94
90) Dibenzo(a,h)anthracene	16.93	278	28790	4.037	ng	# 87
91) Benzo(g,h,i)perylene	17.37	276	113701	16.458	ng	# 93

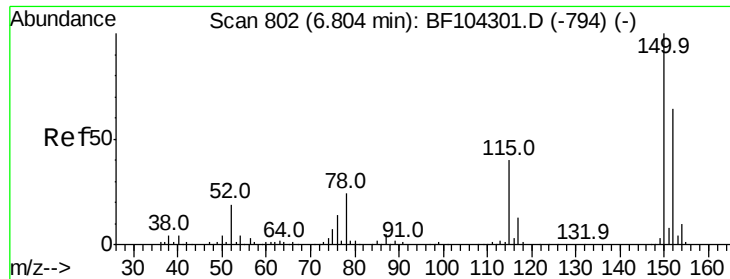
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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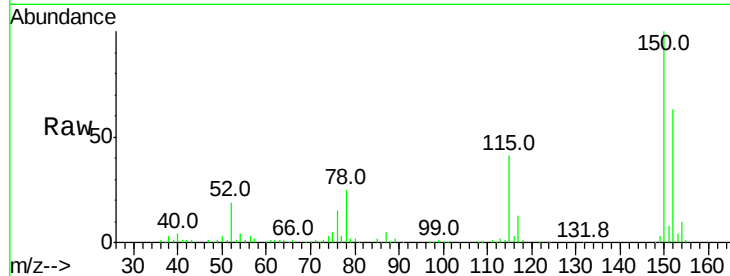


#1

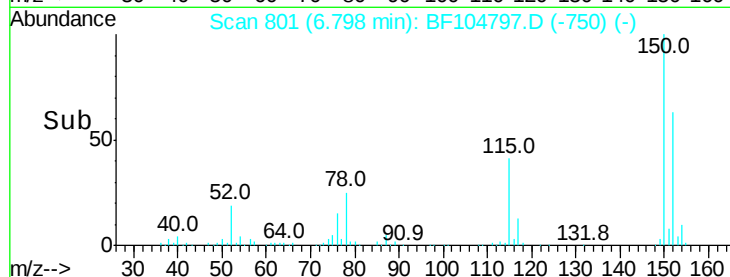
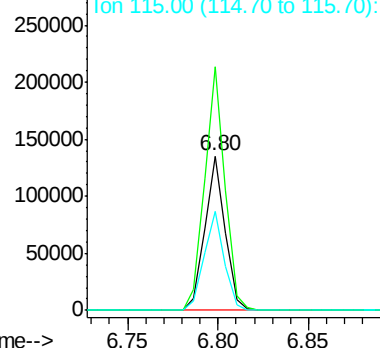
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104797.D
Acq: 25 Apr 2018 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105348
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 64.5 50.1 75.1



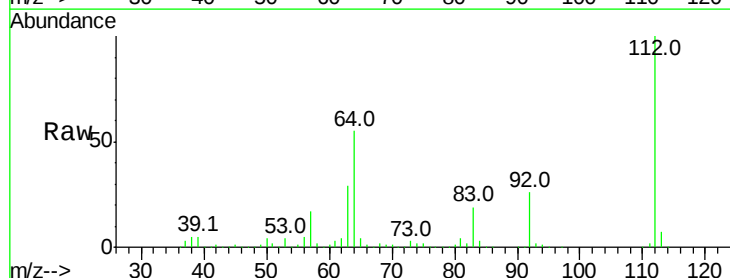
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



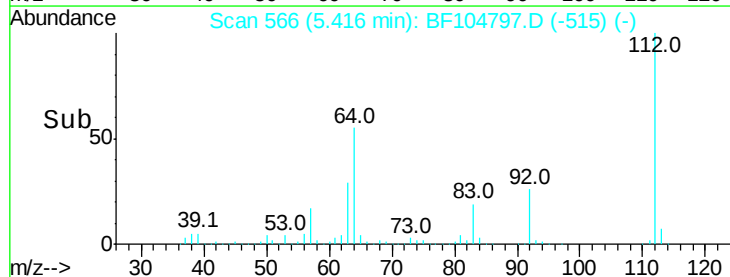
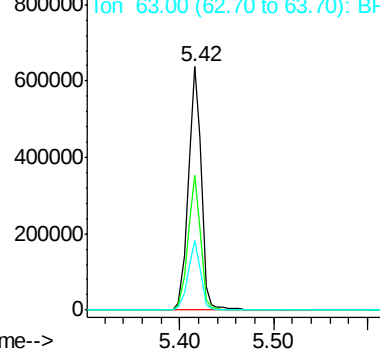
#5

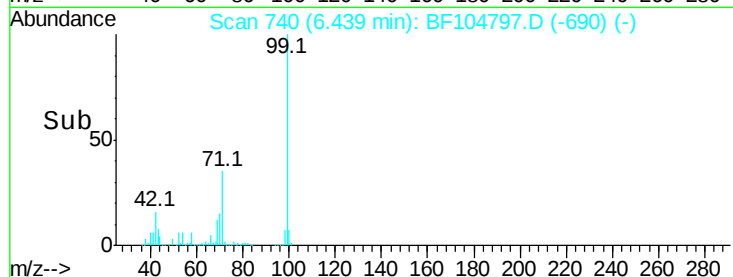
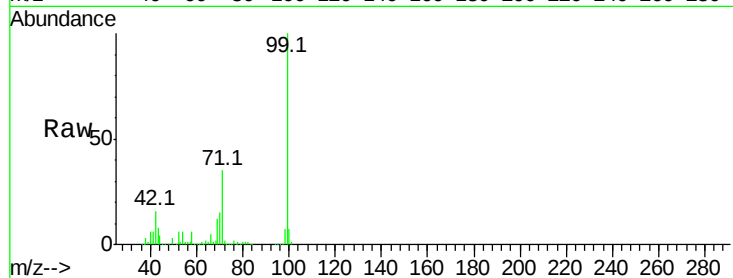
2-Fluorophenol
Concen: 90.848 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104797.D
Acq: 25 Apr 2018 19:00

Tgt Ion:112 Resp: 625918
Ion Ratio Lower Upper
112 100
64 55.3 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: 91.867 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampled :

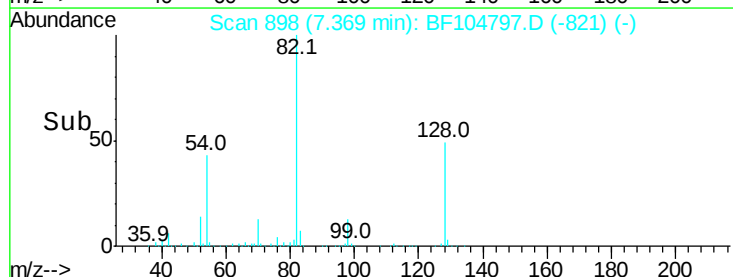
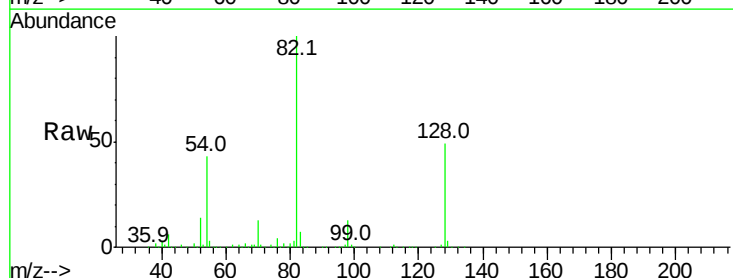
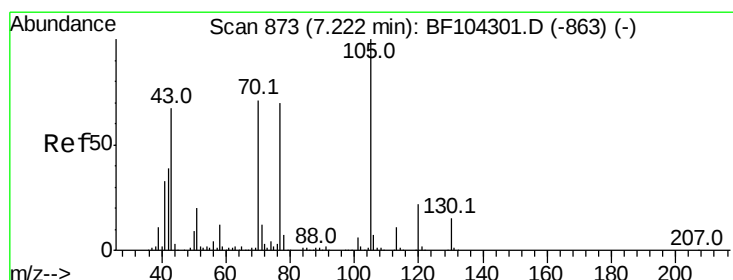
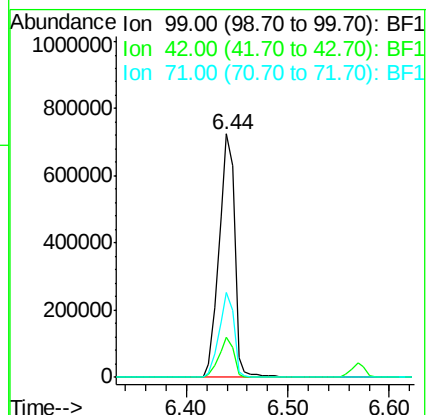
Tot Ion: 99 Resp: 777676

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.469 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Tgt Ion: 70 Resp: 63443

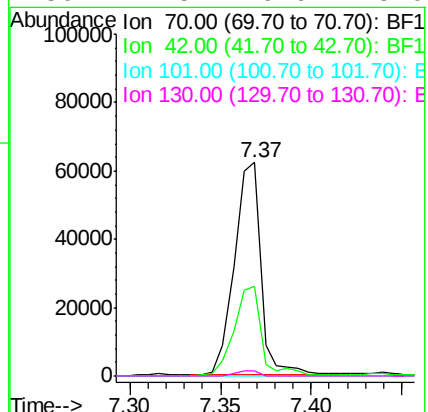
Ion Ratio Lower Upper

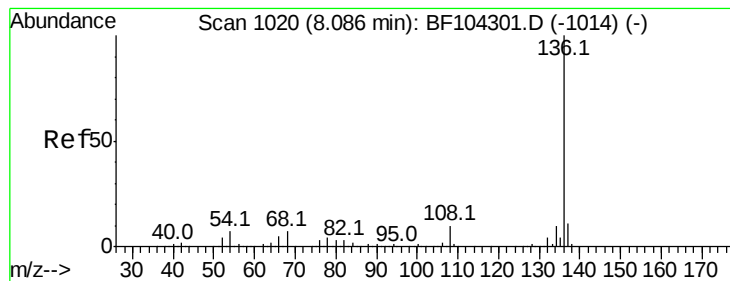
70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 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: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 429513

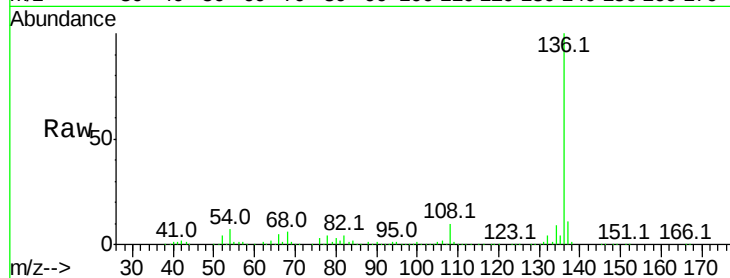
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4

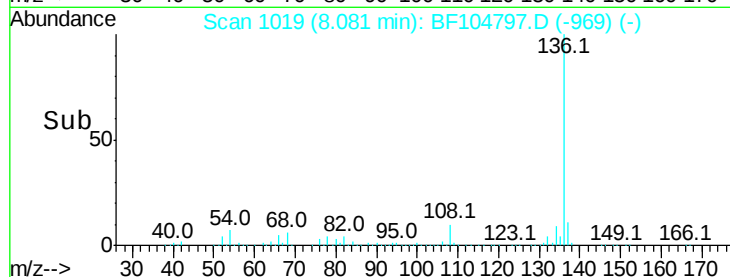


Abundance Ion 136.00 (135.70 to 136.70): E

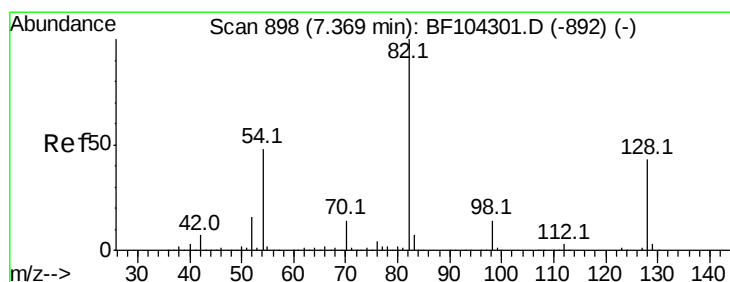
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 72.071 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

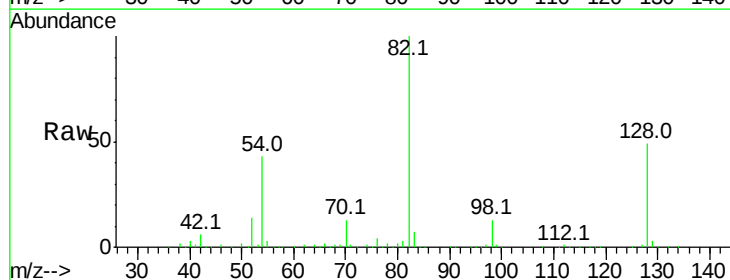
Tgt Ion: 82 Resp: 474063

Ion Ratio Lower Upper

82 100

128 48.7 36.1 54.1

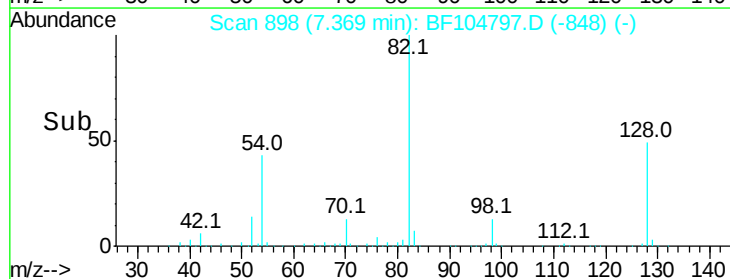
54 43.2 41.4 62.2



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



Time-->



#25

Isophorone

Concen: 34.082 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

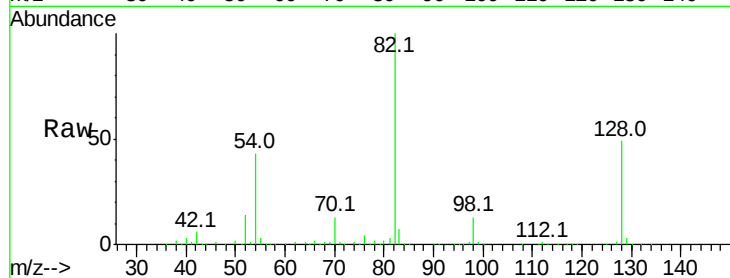
Tot Ion: 82 Resp: 474063

Ion Ratio Lower Upper

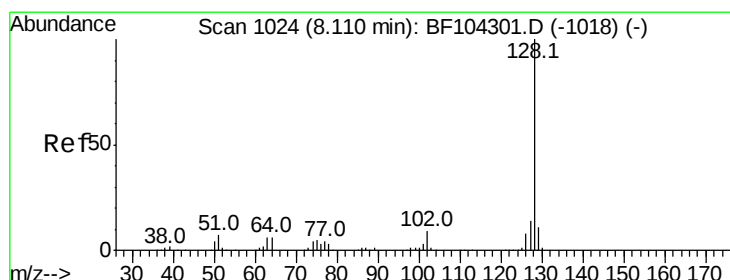
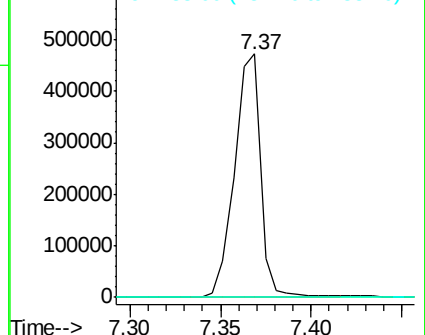
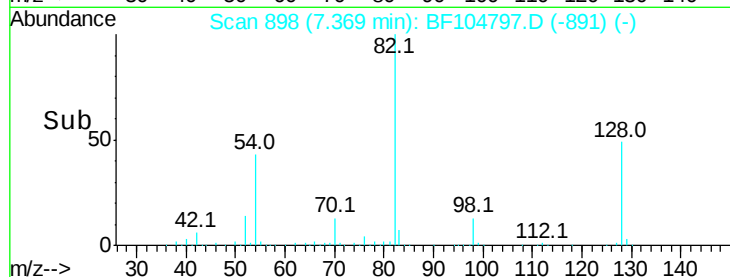
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 3.647 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

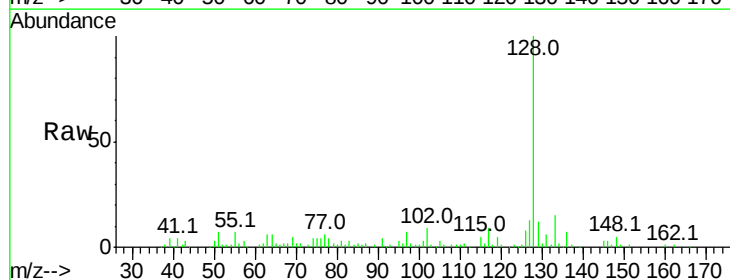
Tgt Ion: 128 Resp: 78002

Ion Ratio Lower Upper

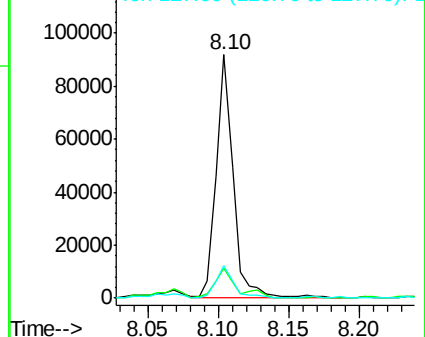
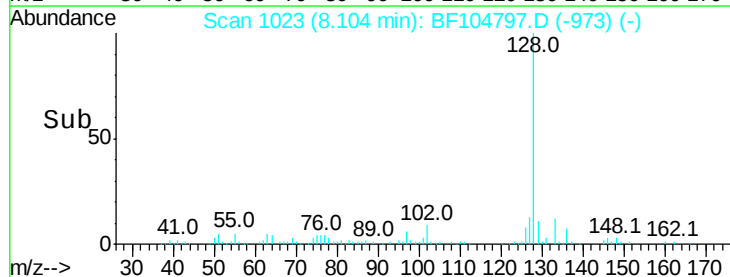
128 100

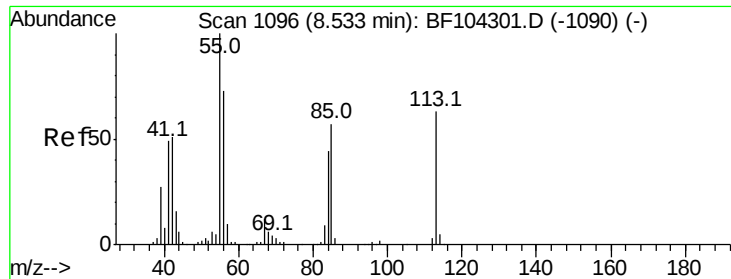
129 12.2 8.8 13.2

127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

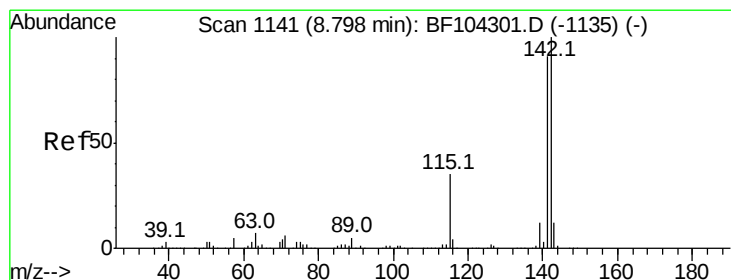
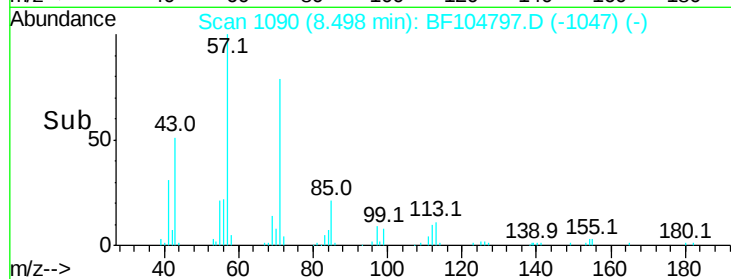
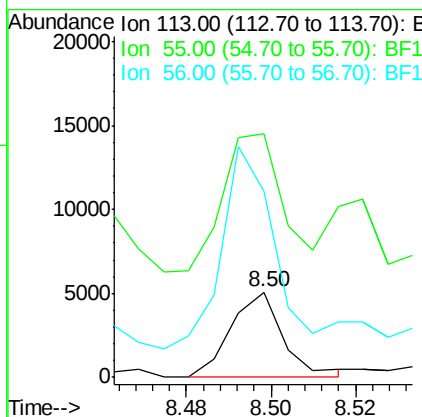
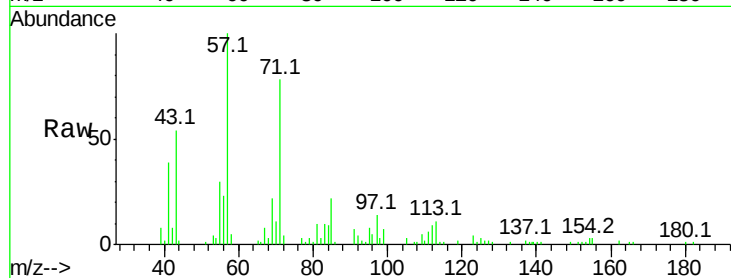




#35
 Caprolactam
 Concen: 2.165 ng
 RT: 8.50 min Scan# 1090
 Delta R.T. -0.05 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

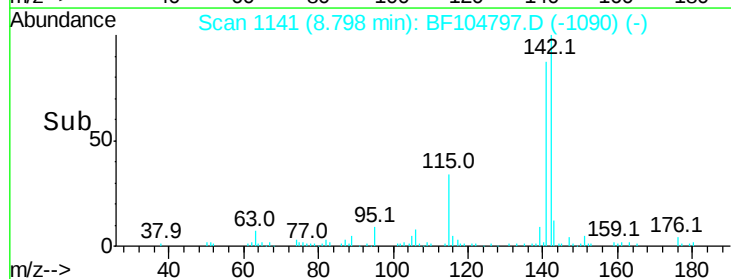
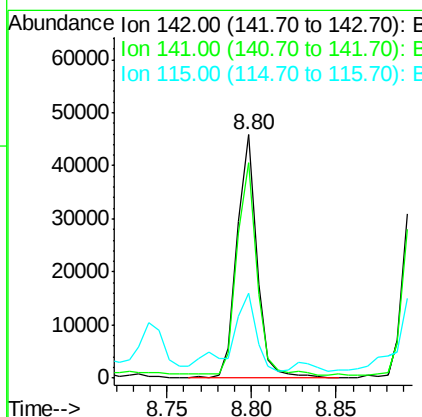
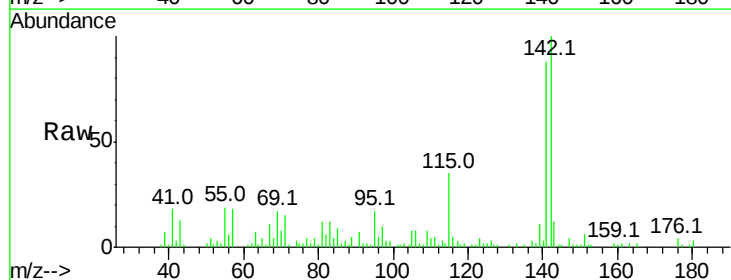
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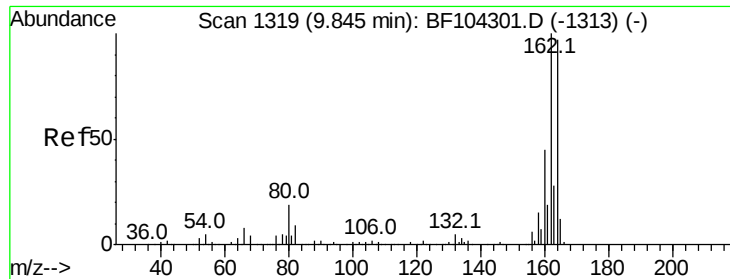
Tot Ion:113 Resp: 4423
 Ion Ratio Lower Upper
 113 100
 55 286.3 163.3 203.3#
 56 218.3 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 2.719 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Tgt Ion:142 Resp: 37616
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.8 106.2
 115 34.7 26.1 39.1

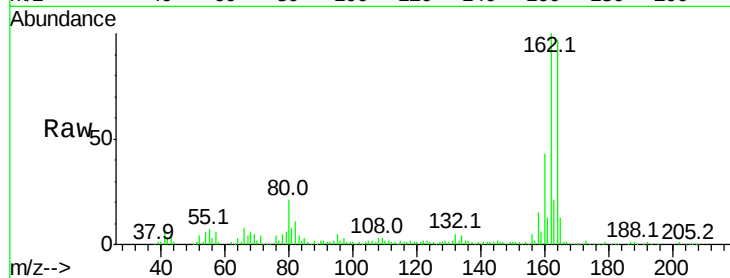




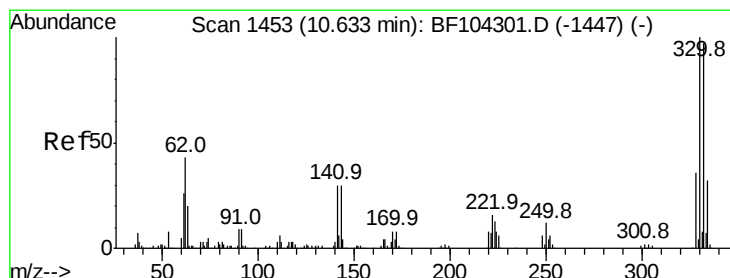
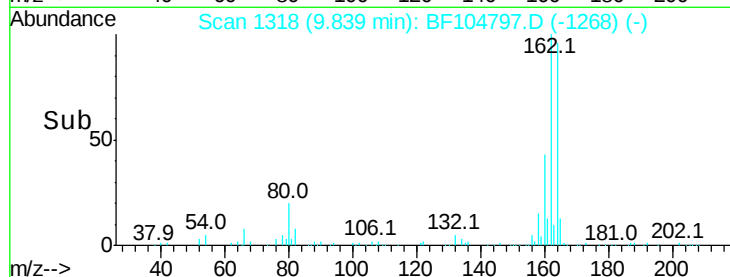
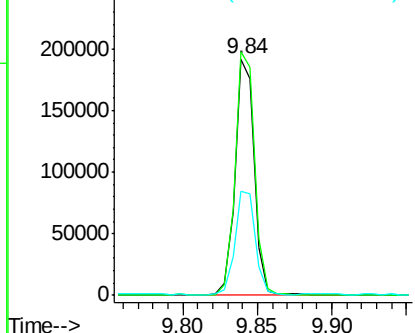
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 172500
 Ion Ratio Lower Upper
 164 100
 162 103.1 86.1 129.1
 160 44.3 38.3 57.5

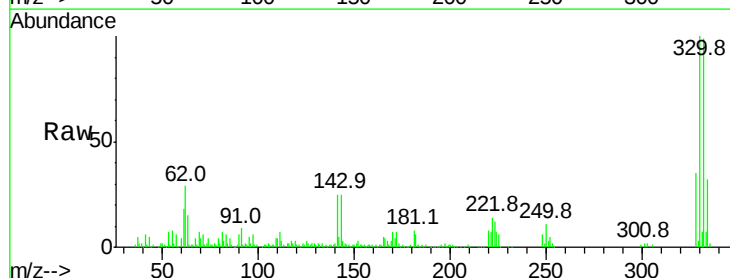


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

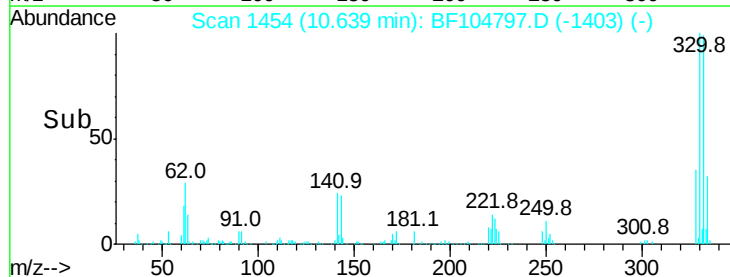
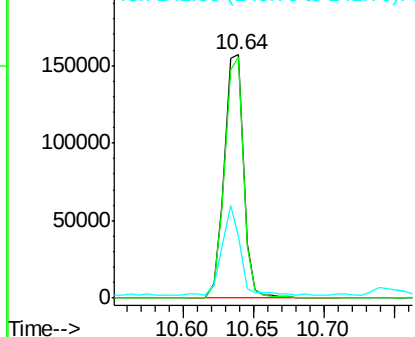


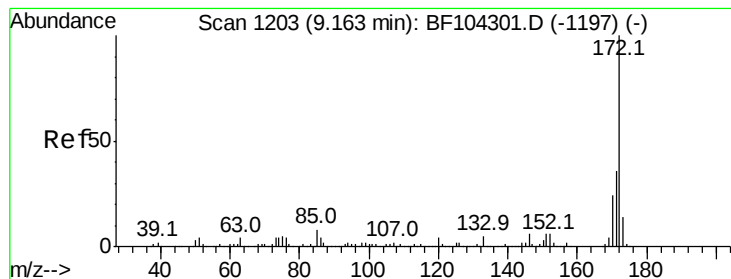
#41
 2,4,6-Tribromophenol
 Concen: 84.480 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Tgt Ion:330 Resp: 151167
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 34.7 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: 77.140 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

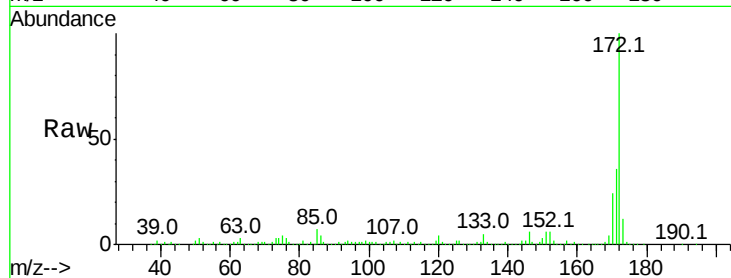
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 842327

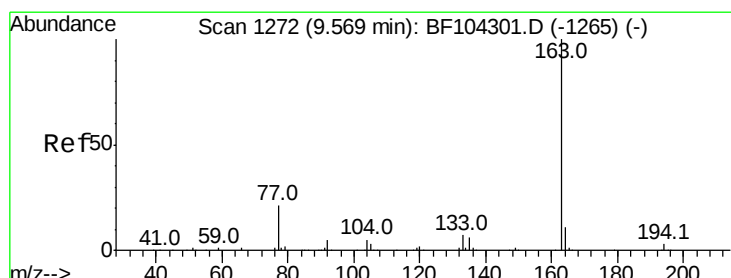
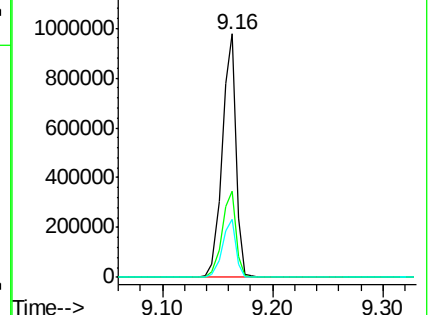
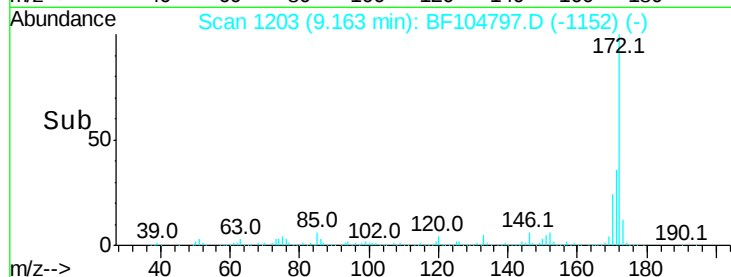
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.7	19.6	29.4



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: 4.751 ng

RT: 9.55 min Scan# 1269

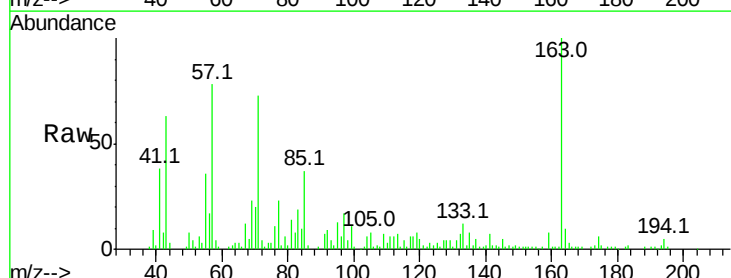
Delta R.T. -0.02 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Tgt Ion:163 Resp: 64629

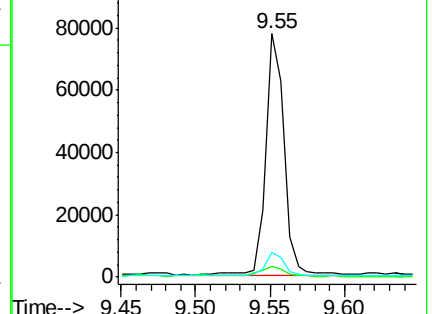
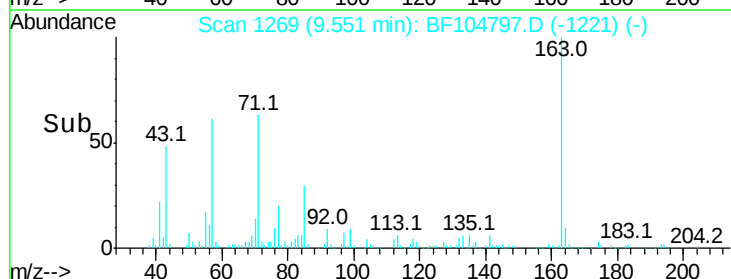
Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	10.2	8.2	12.2

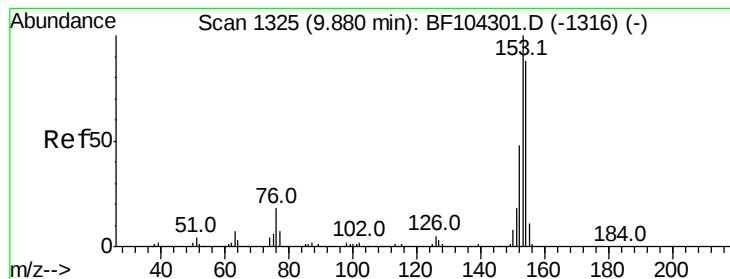


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.138 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

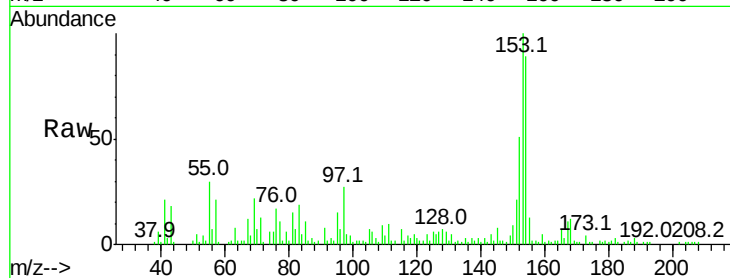
Tot Ion:154 Resp: 34380

Ion Ratio Lower Upper

154 100

153 112.0 91.2 136.8

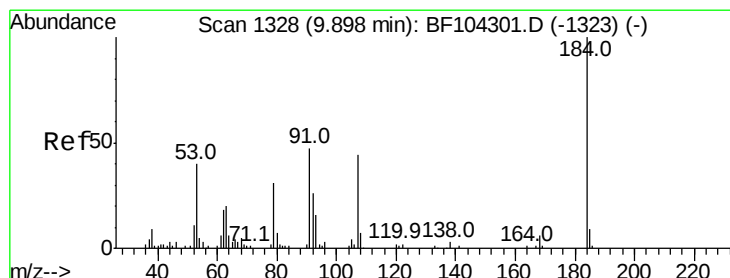
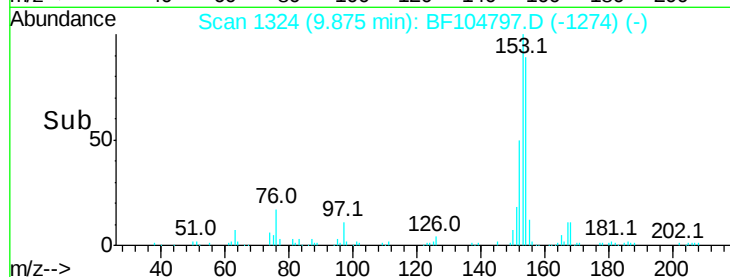
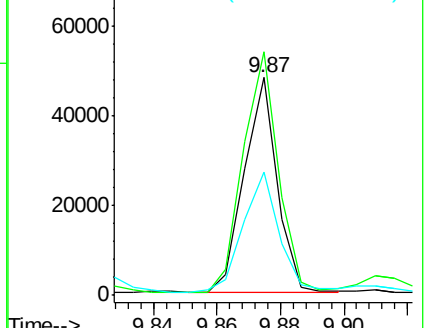
152 56.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 5.296 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.17 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

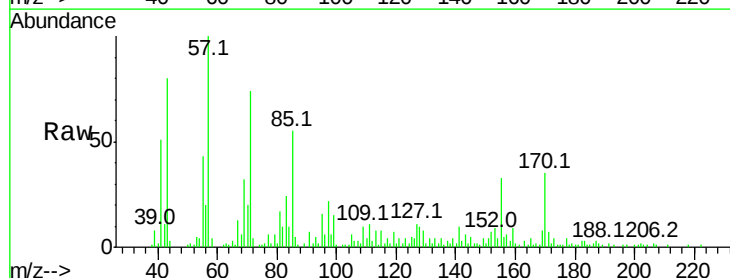
Tgt Ion:184 Resp: 118

Ion Ratio Lower Upper

184 100

63 261.6 54.2 81.2#

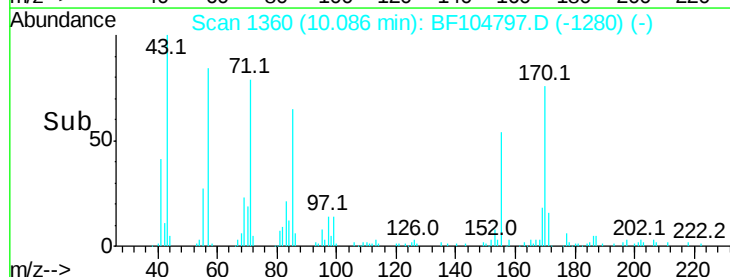
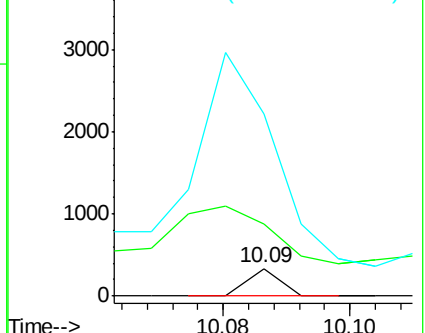
154 667.0 184.0 276.0#

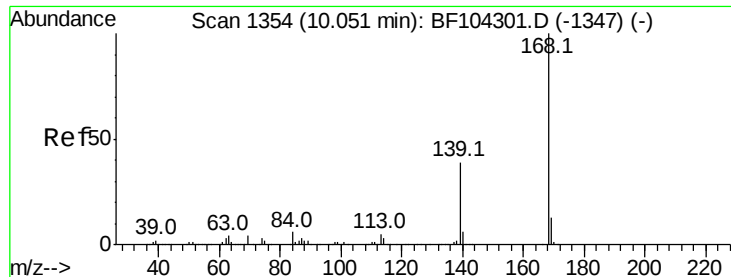


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.331 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

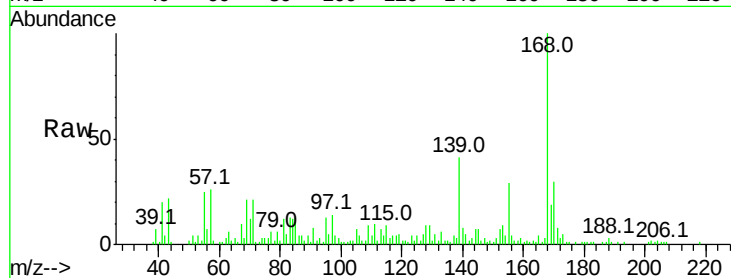
Tot Ion:168 Resp: 50872

Ion Ratio Lower Upper

168 100

139 40.8 30.1 45.1

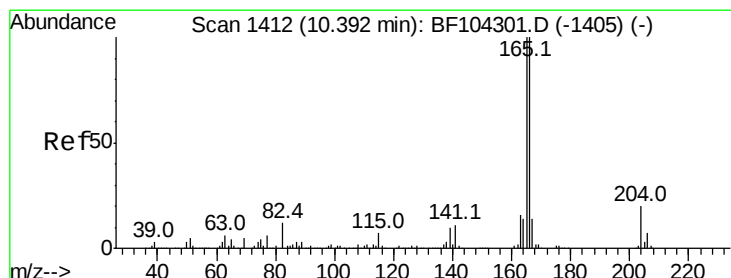
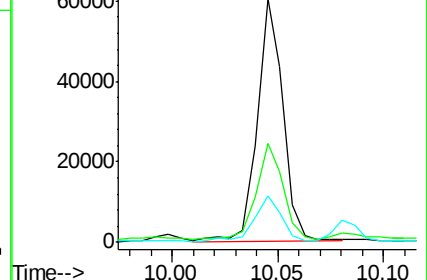
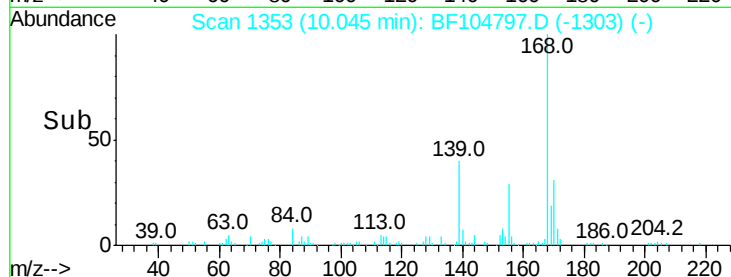
169 19.1 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 6.685 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.00 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

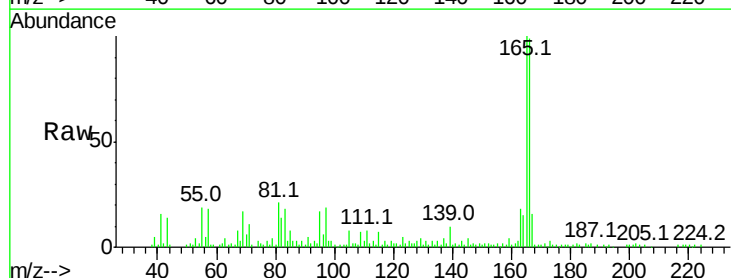
Tgt Ion:166 Resp: 74302

Ion Ratio Lower Upper

166 100

165 100.6 79.8 119.8

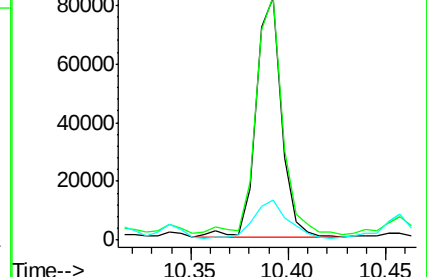
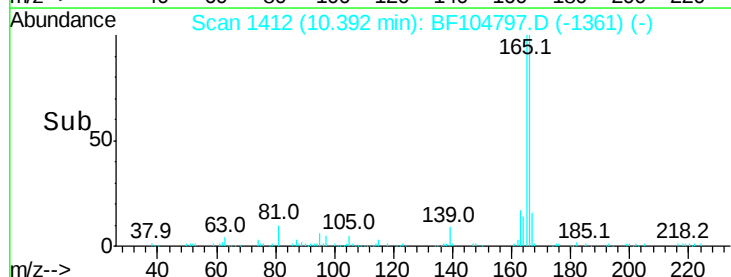
167 16.5 10.6 16.0#

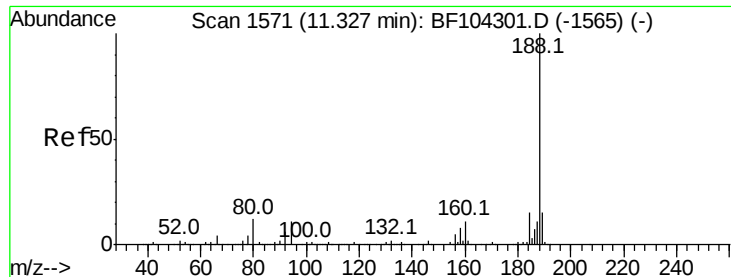


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

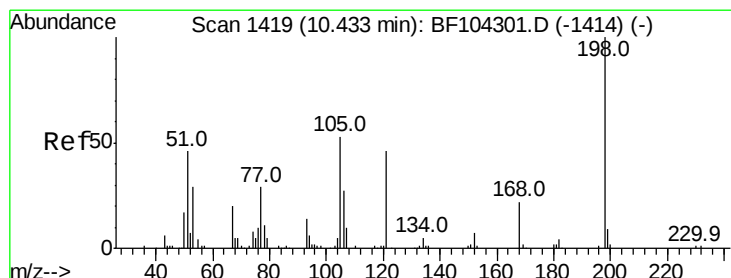
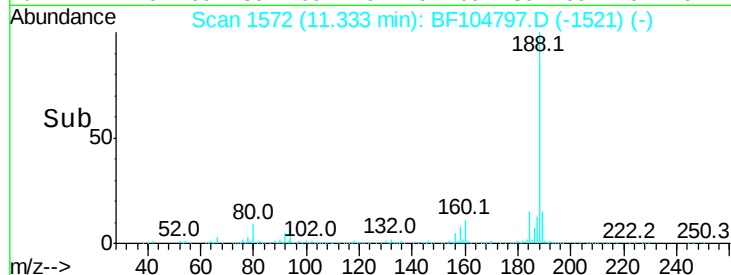
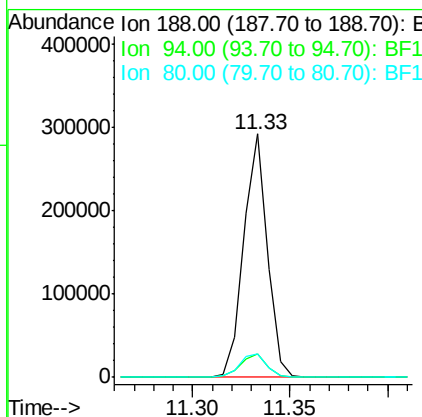
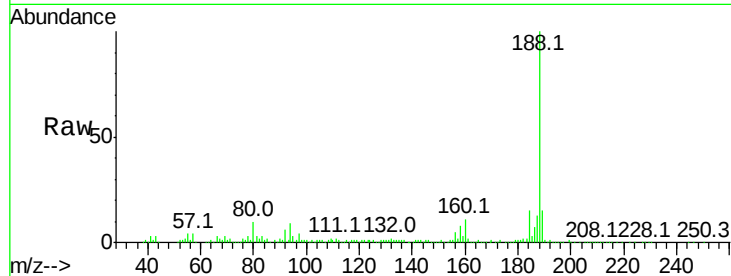




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

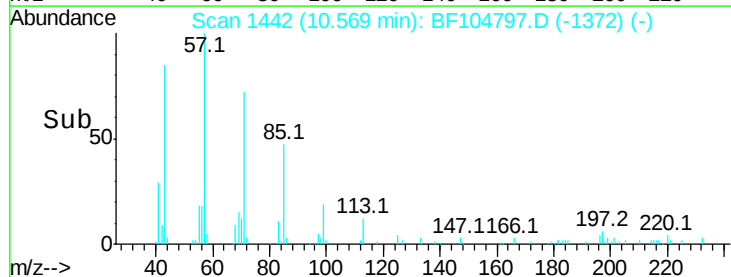
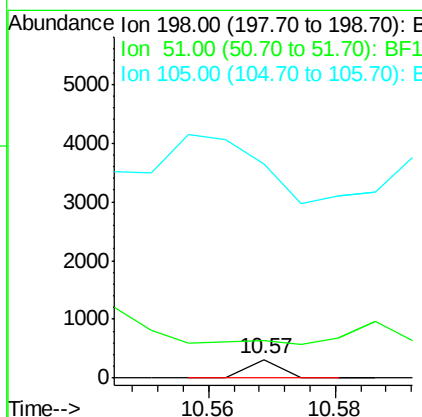
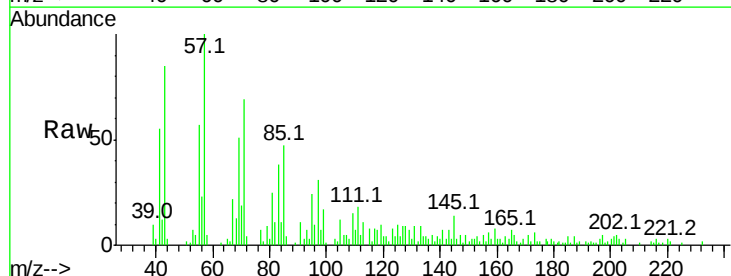
Instrument :
 BNA_F
 ClientSampleId :

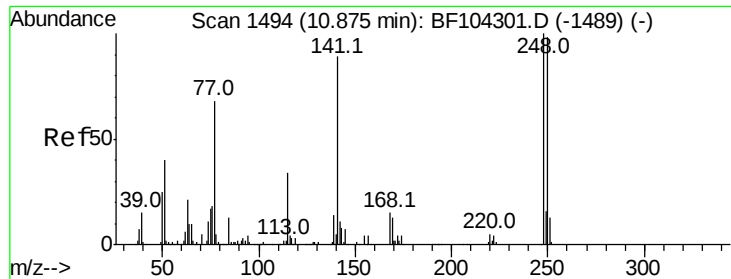
Tot Ion:188 Resp: 245582
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.427 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.11 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Tgt Ion:198 Resp: 113
 Ion Ratio Lower Upper
 198 100
 51 197.5 37.7 77.7#
 105 1135.8 36.3 76.3#

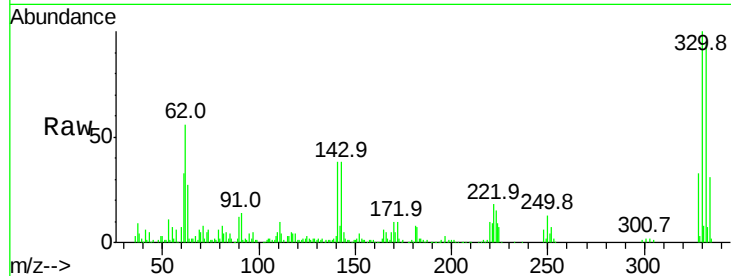




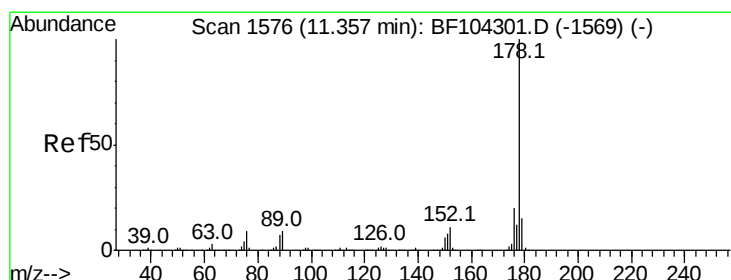
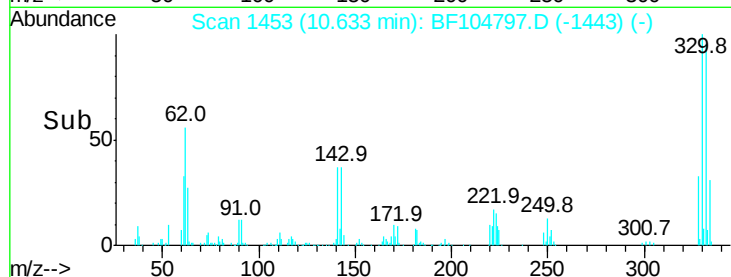
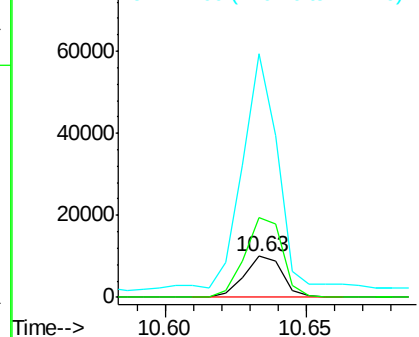
#66
 4-Bromophenyl-phenylether
 Concen: 3.575 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9338
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.9 115.3#
 141 590.0 74.4 111.6#

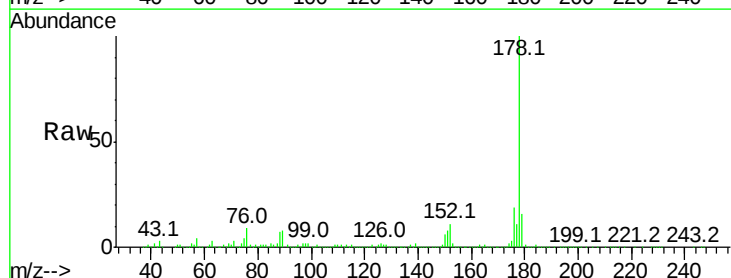


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

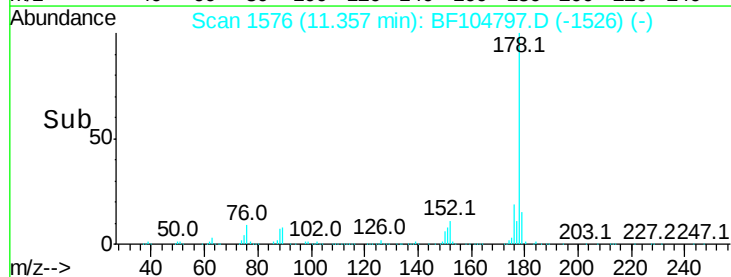
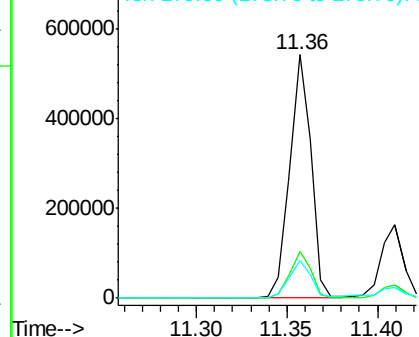


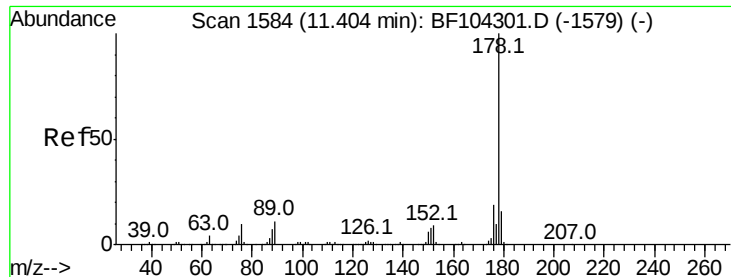
#70
 Phenanthrene
 Concen: 32.375 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Tgt Ion:178 Resp: 442769
 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: 9.613 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

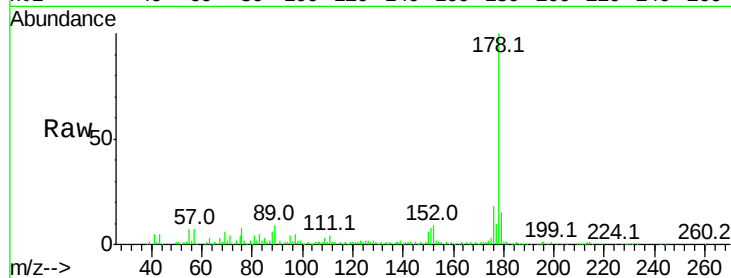
Tot Ion:178 Resp: 133638

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

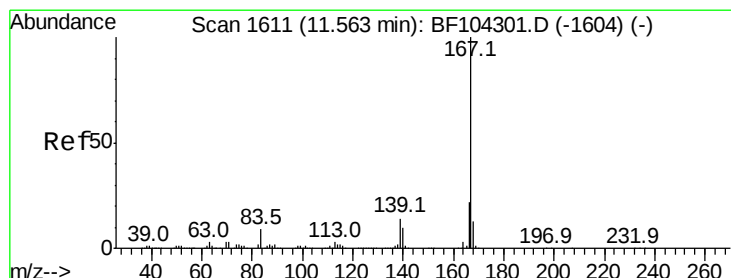
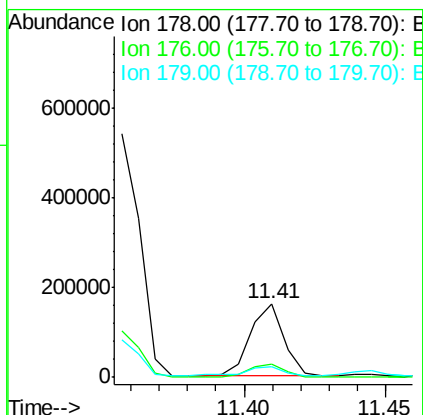
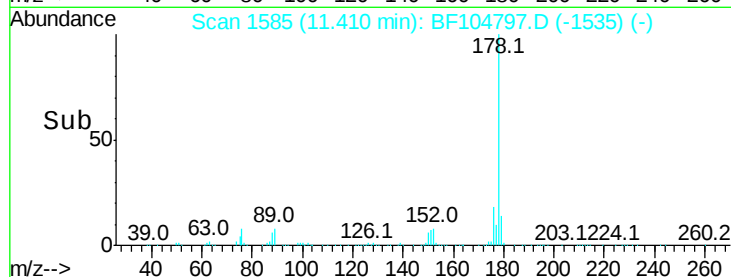
179 15.0 12.6 19.0



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



#72

Carbazole

Concen: 2.578 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

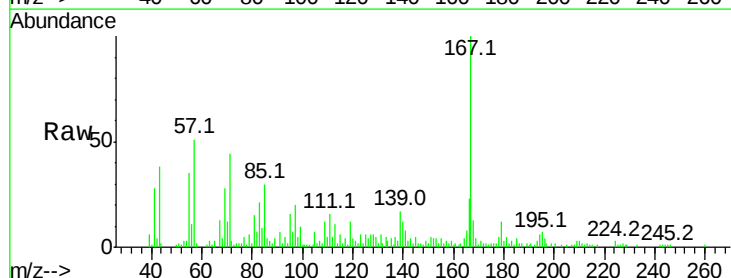
Tgt Ion:167 Resp: 35018

Ion Ratio Lower Upper

167 100

166 23.0 17.6 26.4

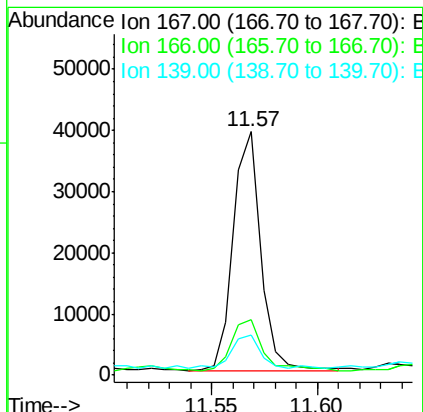
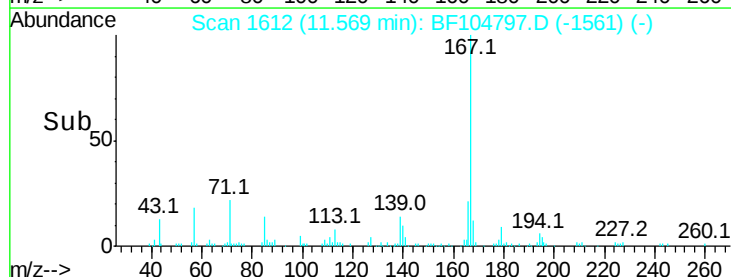
139 16.7 10.9 16.3#

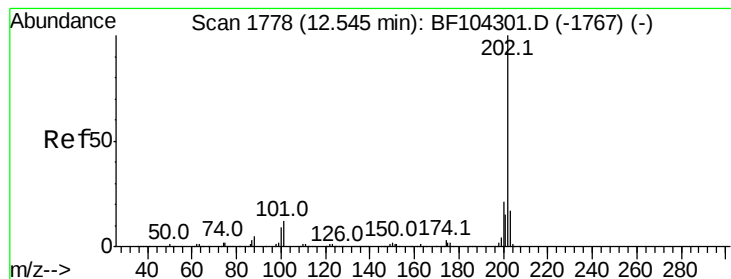


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.666 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

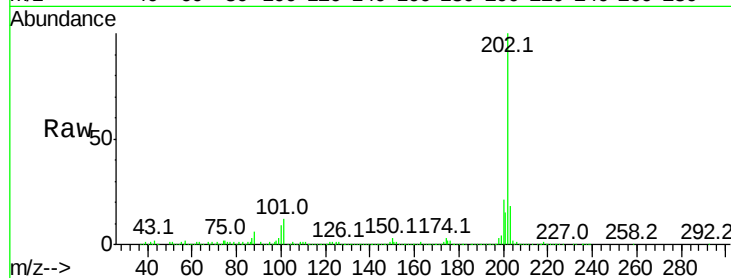
Tot Ion:202 Resp: 566789

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

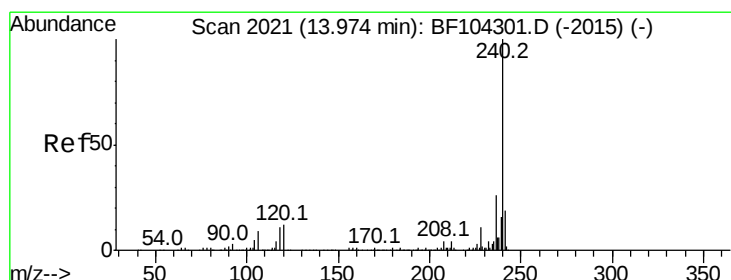
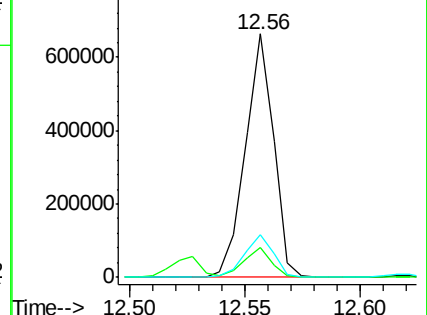
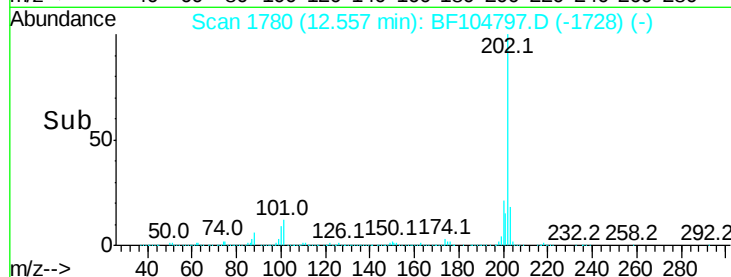
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

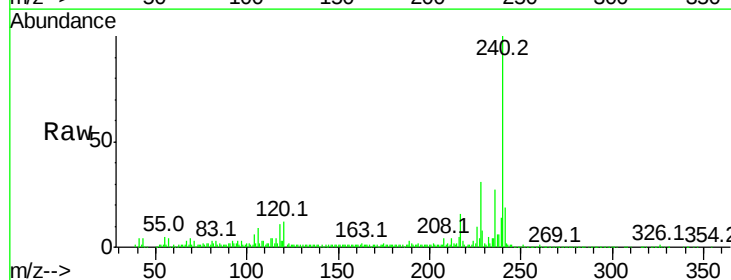
Tgt Ion:240 Resp: 203442

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

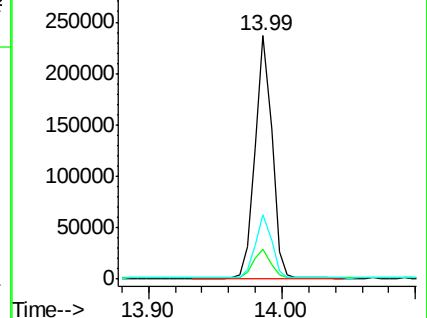
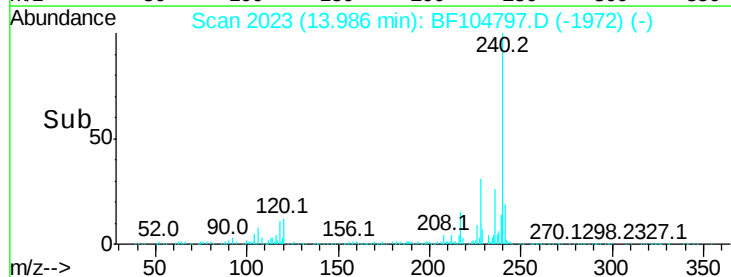
236 26.6 20.7 31.1

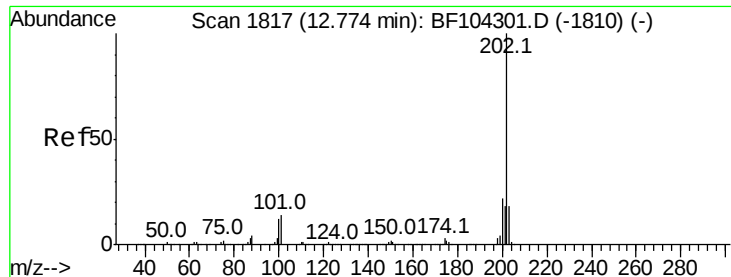


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 35.191 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

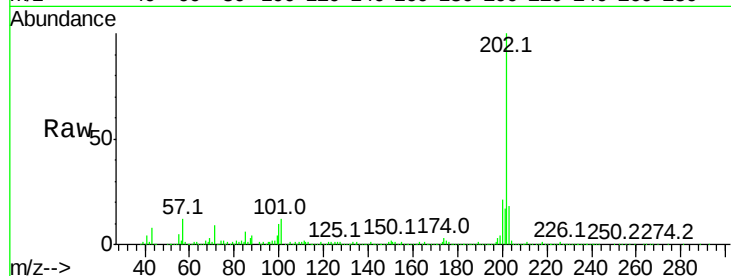
Tot Ion:202 Resp: 530670

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

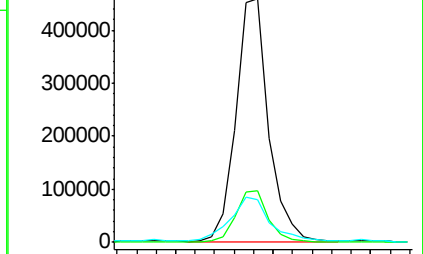
203 17.5 14.3 21.5



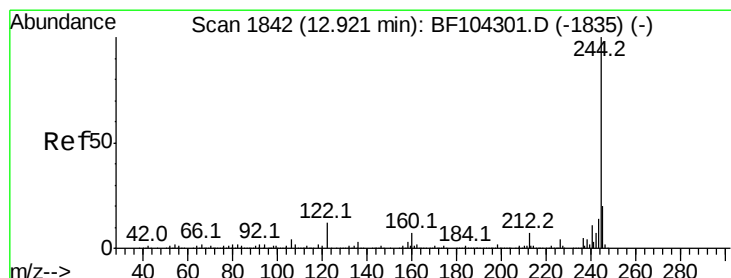
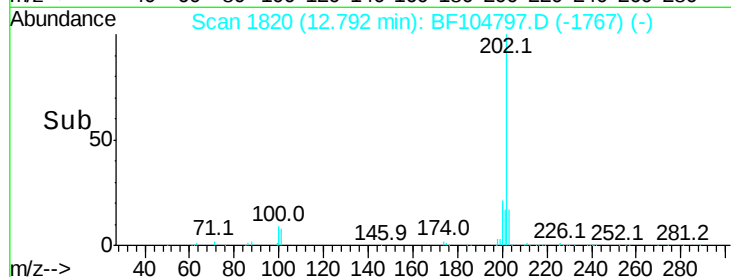
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 65.417 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

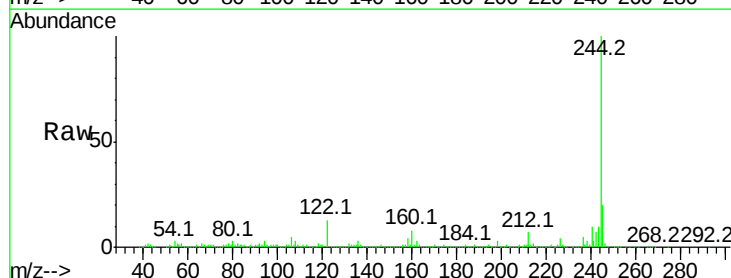
Tgt Ion:244 Resp: 583749

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

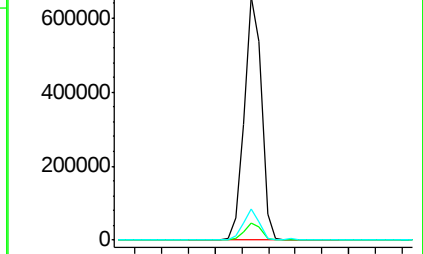
122 12.8 11.0 16.4



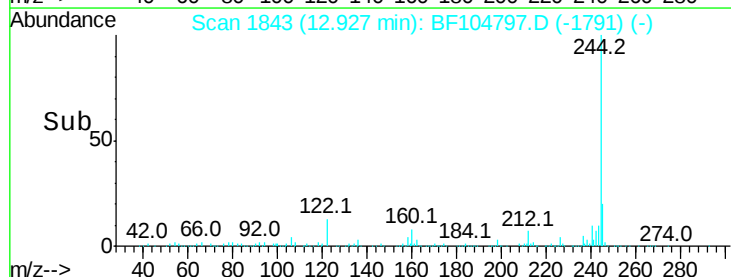
Abundance Ion 244.00 (243.70 to 244.70): E

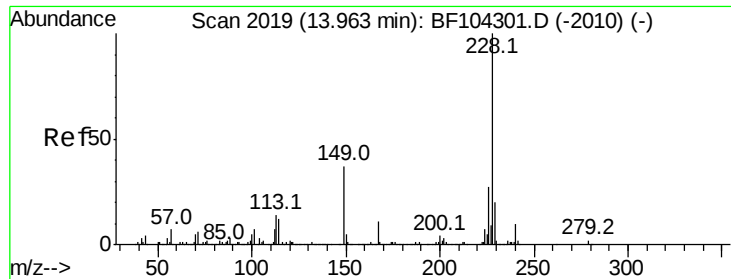
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

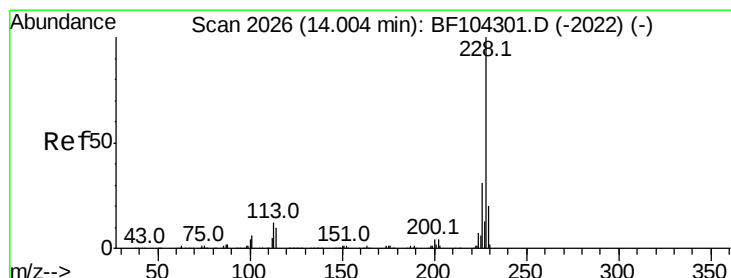
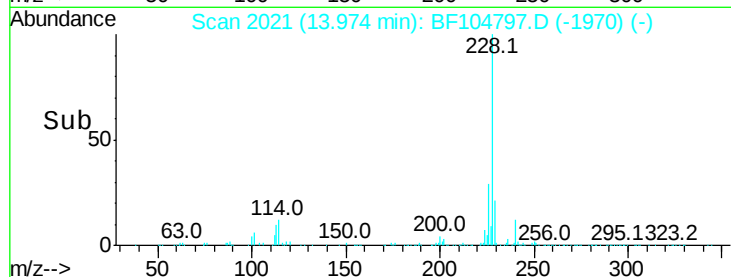
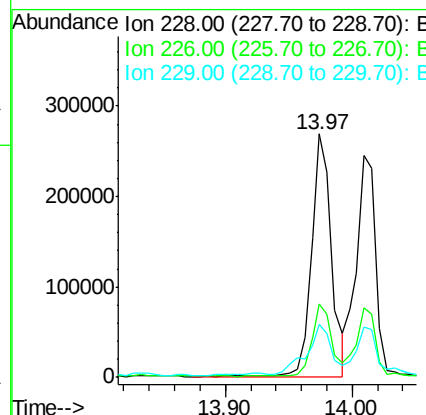
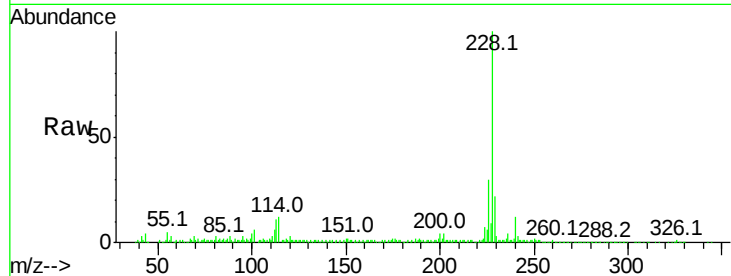




#80
Benzo(a)anthracene
Concen: 24.169 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104797.D
Acq: 25 Apr 2018 19:00

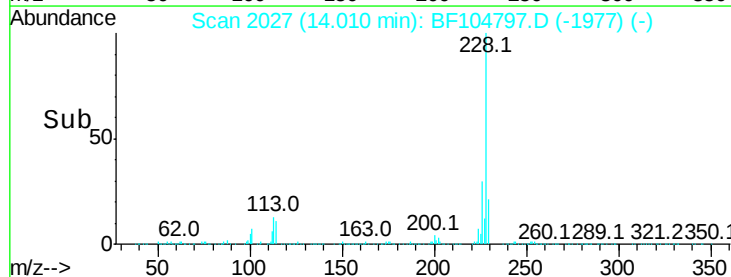
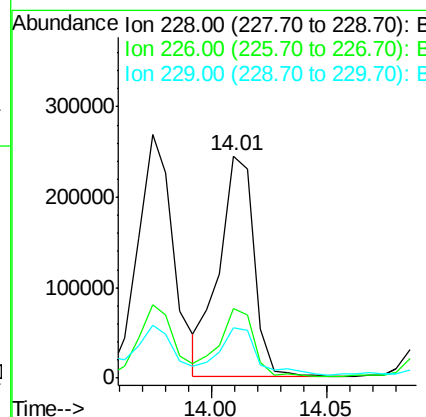
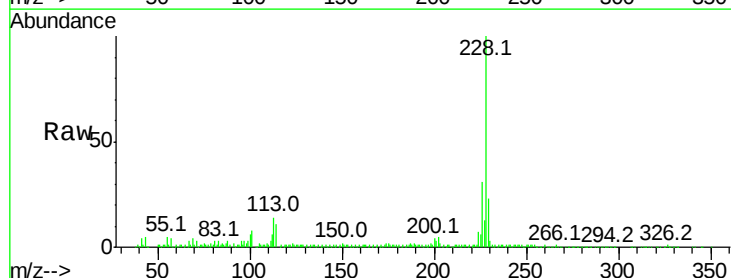
Instrument :
BNA_F
ClientSampleId :

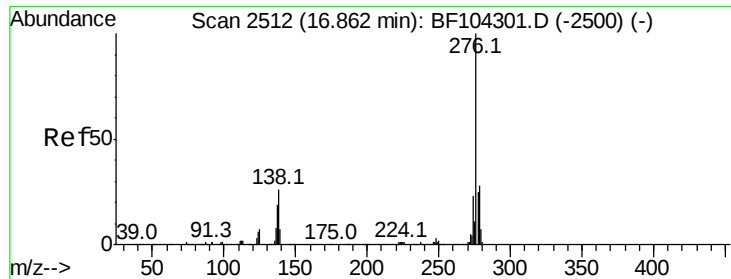
Tot Ion:228 Resp: 293742
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 20.666 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104797.D
Acq: 25 Apr 2018 19:00

Tgt Ion:228 Resp: 257989
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 22.9 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.988 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

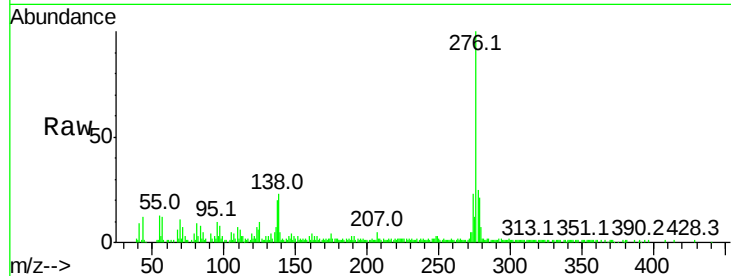
Tot Ion:276 Resp: 116529

Ion Ratio Lower Upper

276 100

138 22.7 25.0 37.6#

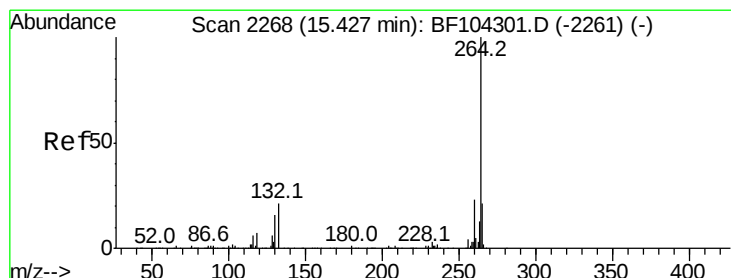
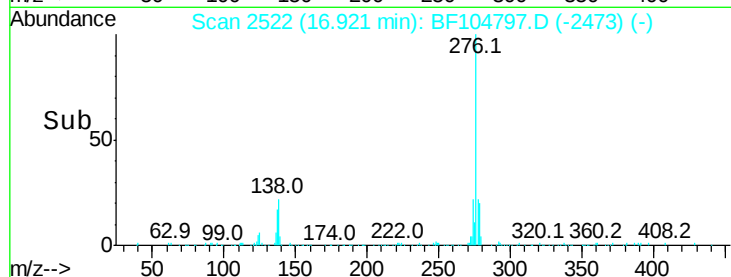
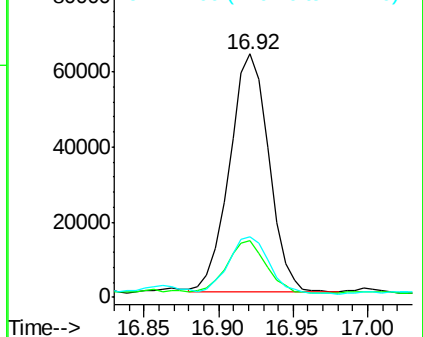
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

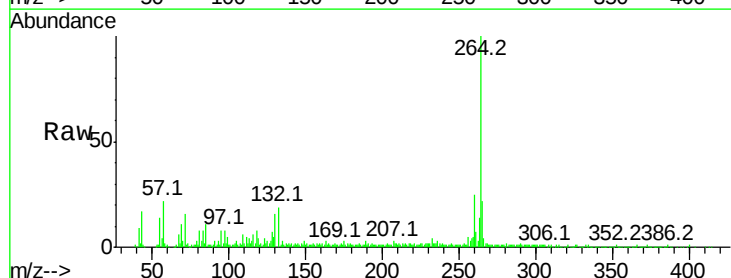
Tgt Ion:264 Resp: 153638

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

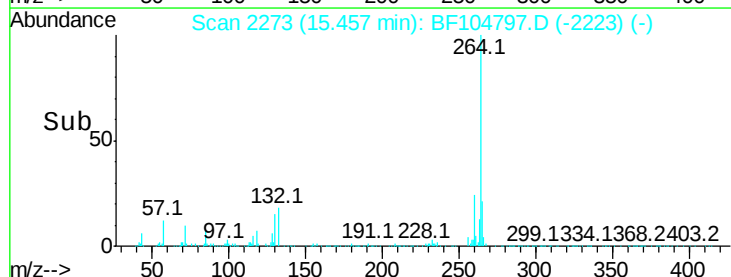
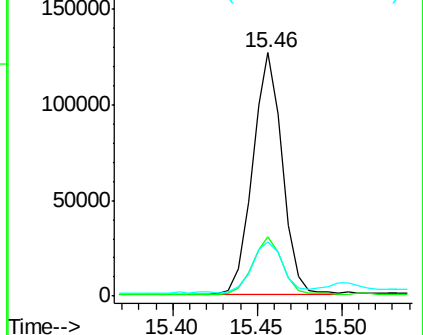
265 22.2 17.5 26.3

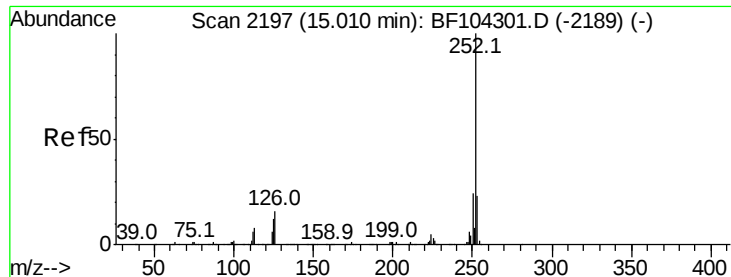


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 42.783 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

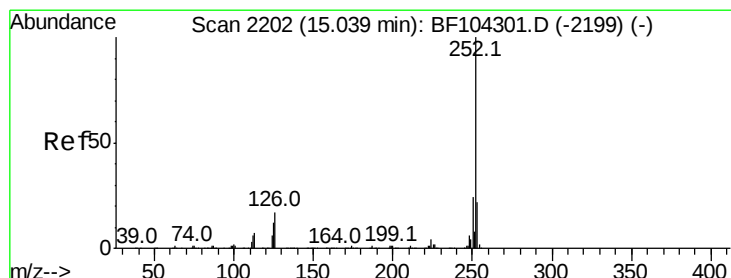
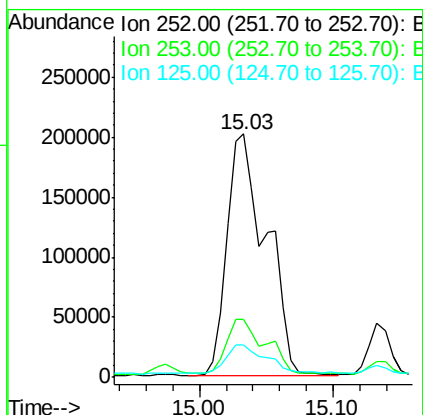
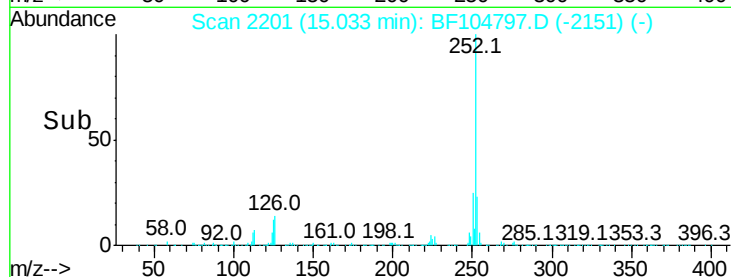
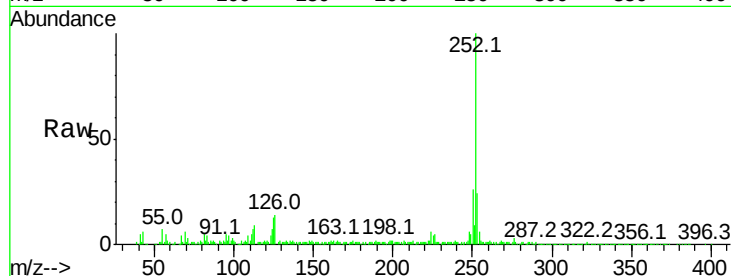
Tot Ion:252 Resp: 415141

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 13.5 9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 45.316 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

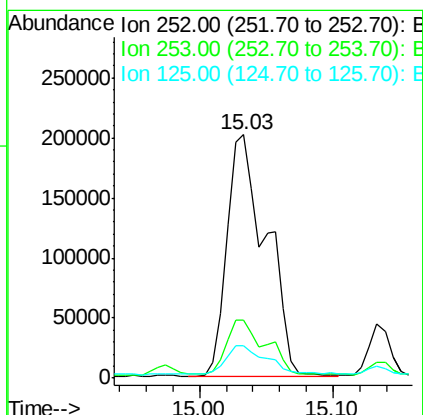
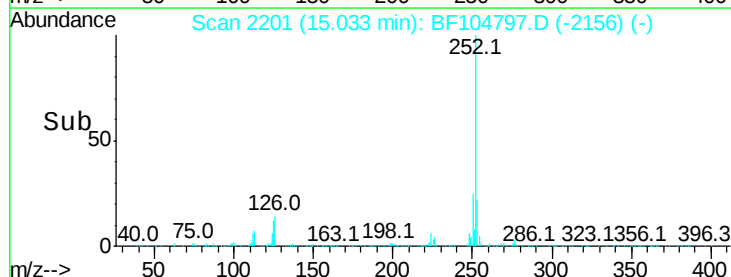
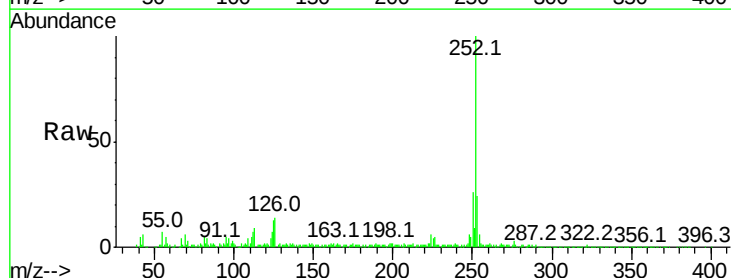
Tgt Ion:252 Resp: 415141

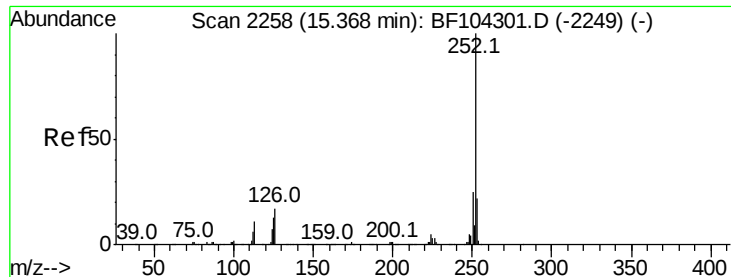
Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 13.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 24.938 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

Instrument :

BNA_F

ClientSampleId :

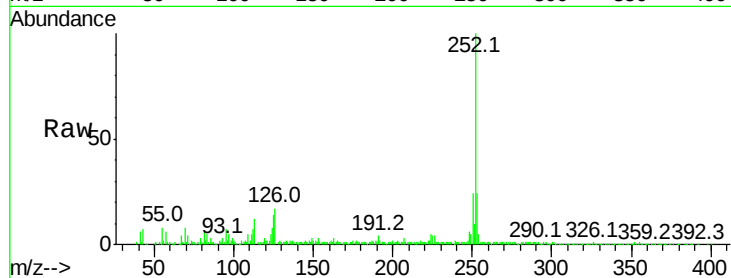
Tot Ion:252 Resp: 216515

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

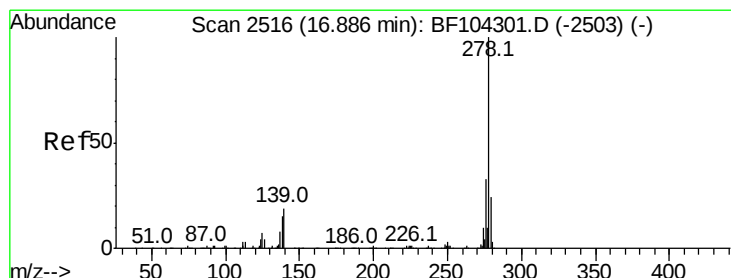
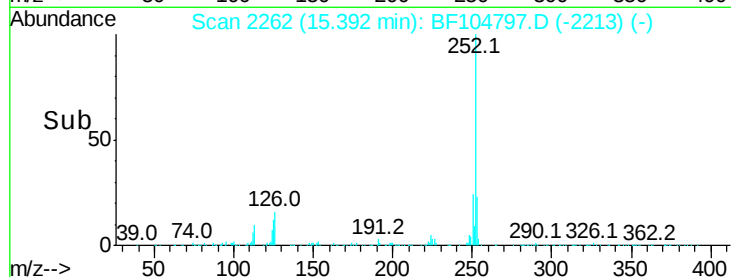
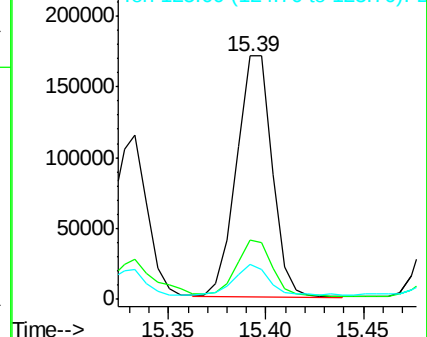
125 14.3 9.8 14.6



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: 4.037 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF104797.D

Acq: 25 Apr 2018 19:00

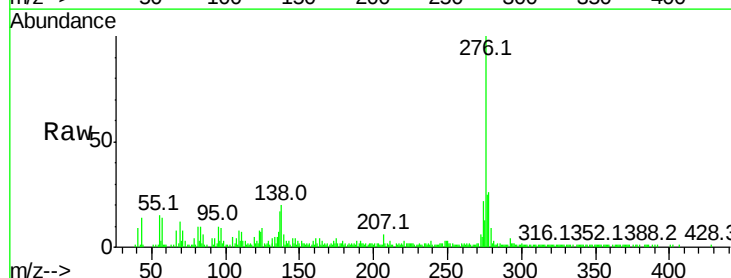
Tgt Ion:278 Resp: 28790

Ion Ratio Lower Upper

278 100

139 22.6 15.9 23.9

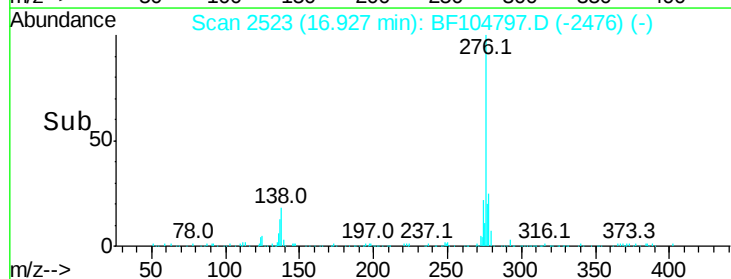
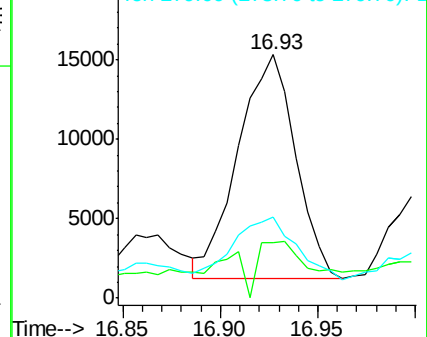
279 33.3 19.0 28.4#

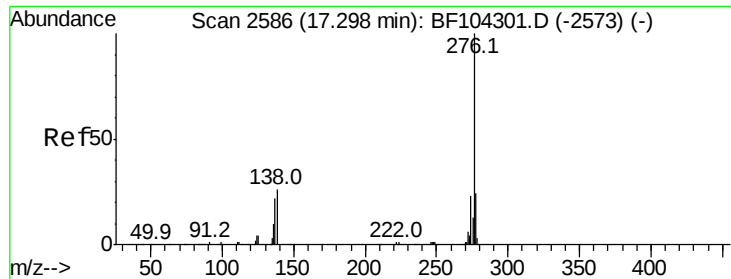


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.458 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.01 min
 Lab File: BF104797.D
 Acq: 25 Apr 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	22.7	21.8	32.8

