

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104550.D
 Acq On : 16 Apr 2018 23:07
 Operator : JU/SJ
 Sample : J2370-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 00:58:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140854	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	540033	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	242258	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	348269	20.00	ng	0.00
75) Chrysene-d12	13.99	240	277011	20.00	ng	0.00
86) Perylene-d12	15.46	264	197568	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	687347	74.62	ng	0.01
7) Phenol-d6	6.45	99	851988	75.27	ng	0.00
23) Nitrobenzene-d5	7.37	82	512899	62.02	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	164826	65.59	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1005875	65.59	ng	0.00
78) Terphenyl-d14	12.93	244	721104	59.35	ng	0.00

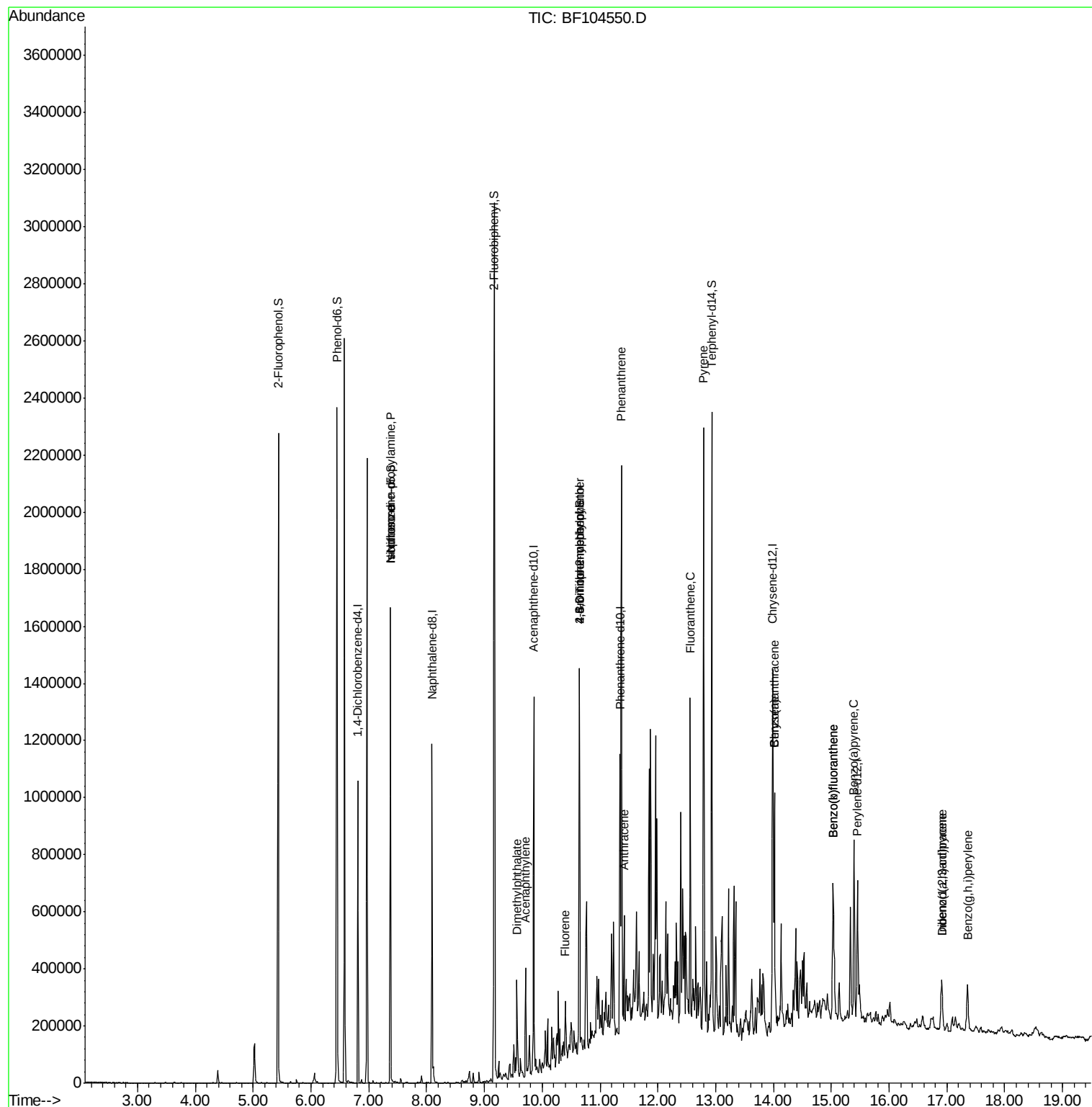
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	66682	9.016	ng	# 74
25) Isophorone	7.37	82	512892	29.327	ng	# 64
48) Acenaphthylene	9.71	152	136219	5.401	ng	98
49) Dimethylphthalate	9.56	163	116028	6.074	ng	99
57) Fluorene	10.40	166	59934	3.840	ng	98
64) 4,6-Dinitro-2-methylphenol	10.64	198	347	7.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	10164	2.744	ng	# 1
70) Phenanthrene	11.37	178	696919	35.933	ng	99
71) Anthracene	11.42	178	140255	7.114	ng	99
74) Fluoranthene	12.56	202	426561	21.050	ng	99
76) Benzidine	12.93	184	9956	Below Cal		96
77) Pylene	12.79	202	837200	40.773	ng	99
80) Benzo(a)anthracene	14.02	228	295862	17.878	ng	95
82) Chrysene	14.02	228	295862	17.405	ng	99
85) Indeno(1,2,3-cd)pyrene	16.91	276	113396	7.853	ng	95
87) Benzo(b)fluoranthene	15.03	252	347107	27.817	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	347107	29.465	ng	98
89) Benzo(a)pyrene	15.39	252	245049	21.948	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	32813	3.578	ng	95
91) Benzo(a,h,i)perylene	17.36	276	128553	14.470	ng	95

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

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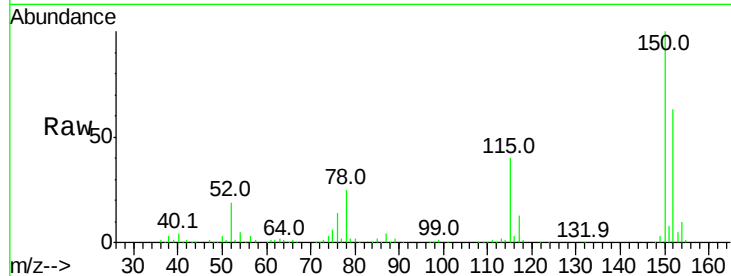


#1

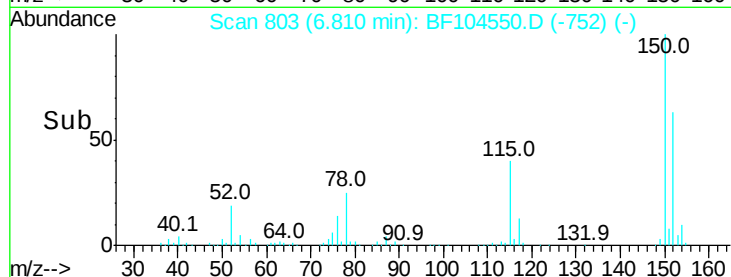
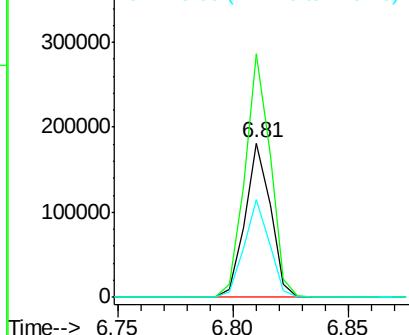
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 140854
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 63.1 50.1 75.1



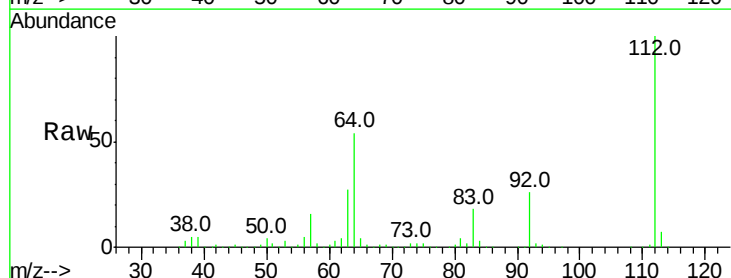
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



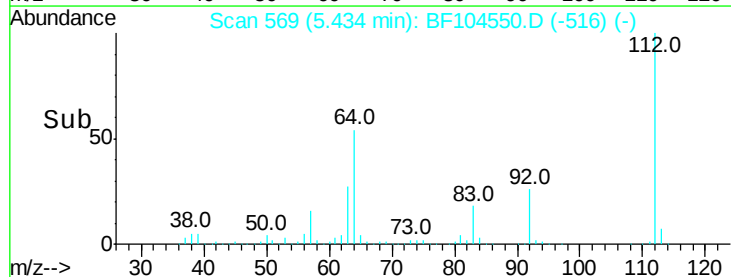
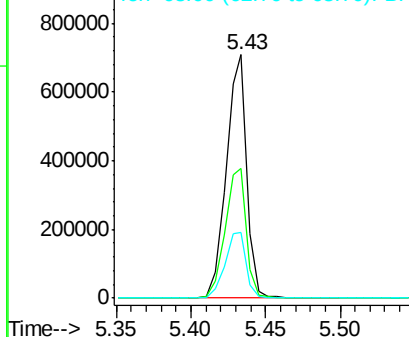
#5

2-Fluorophenol
 Concen: 74.616 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:112 Resp: 687347
 Ion Ratio Lower Upper
 112 100
 64 53.5 47.9 71.9
 63 26.9 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: 75.275 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampled :

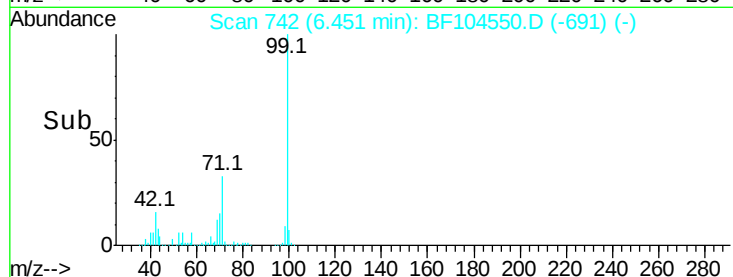
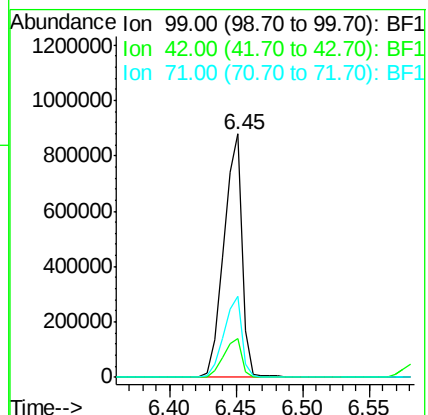
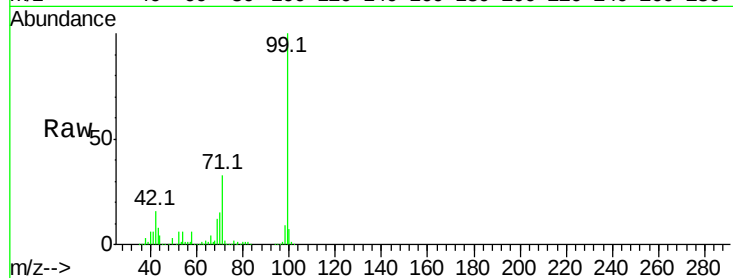
Tot Ion: 99 Resp: 851988

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.016 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Tgt Ion: 70 Resp: 66682

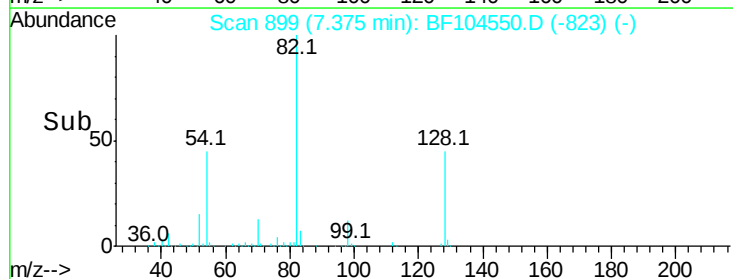
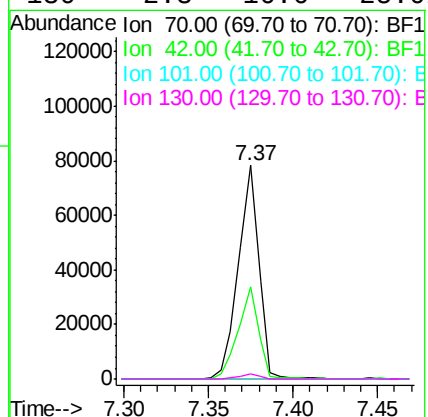
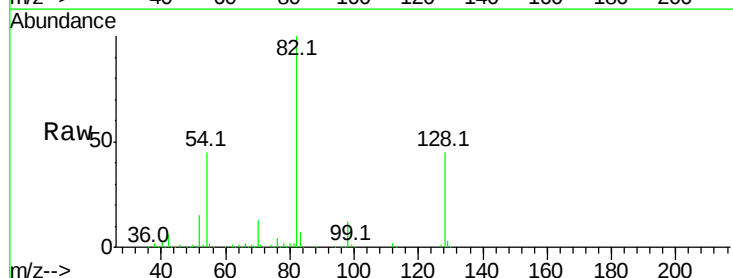
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

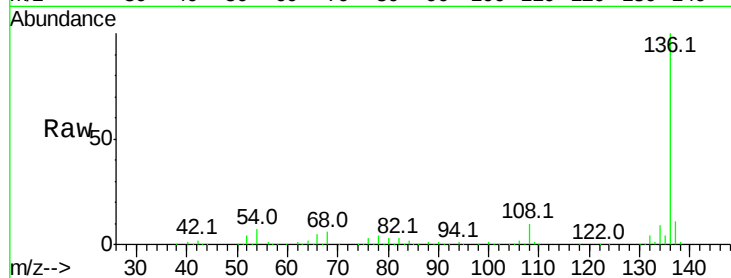




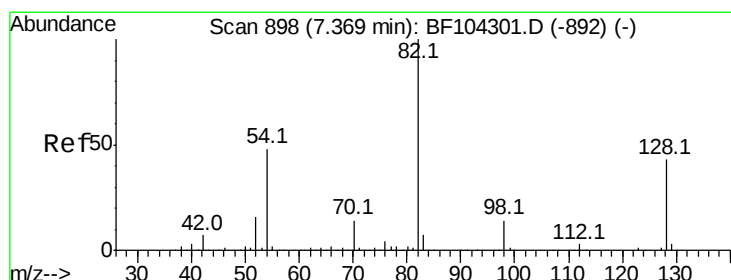
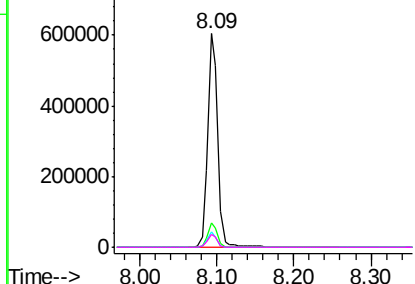
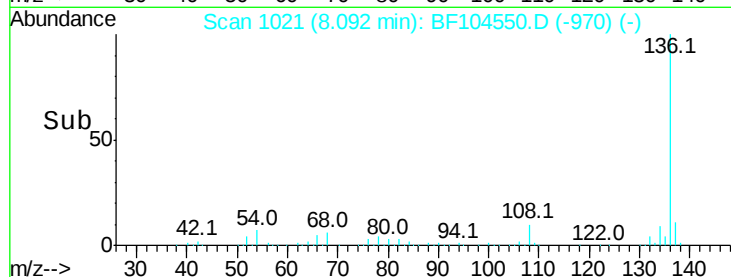
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104550.D
Acq: 16 Apr 2018 23:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	540033
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	6.2	5.0	7.4

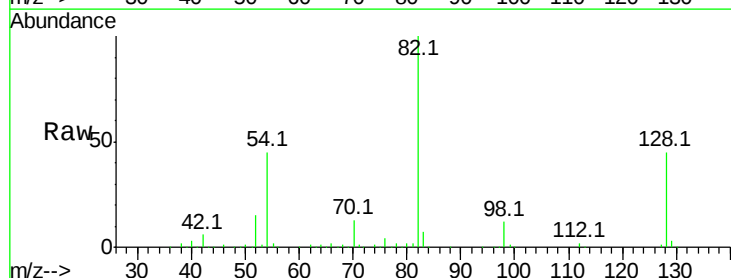


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

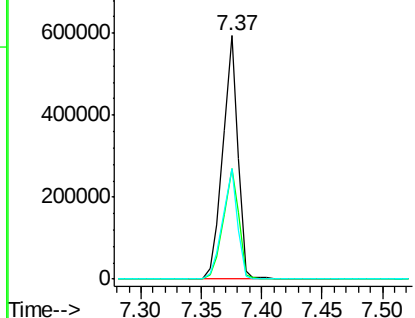
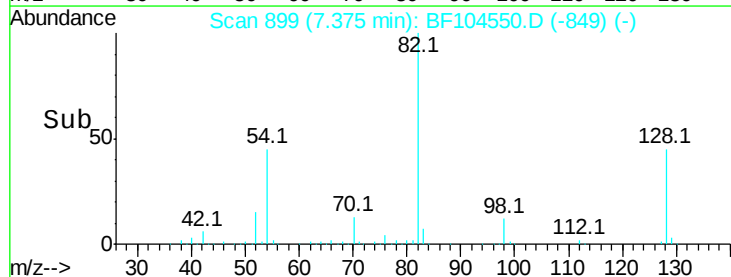


#23
Nitrobenzene-d5
Concen: 62.017 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104550.D
Acq: 16 Apr 2018 23:07

Tgt Ion:	82	Resp:	512899
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	45.4	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: 29.327 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

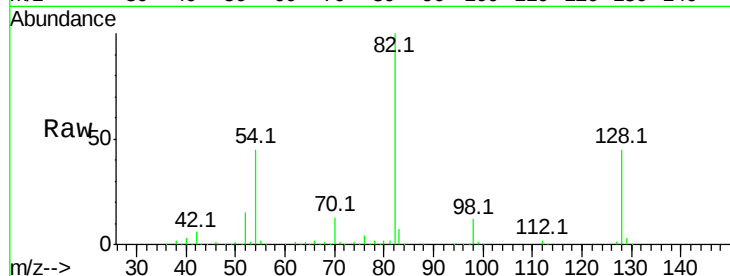
Tot Ion: 82 Resp: 512892

Ion Ratio Lower Upper

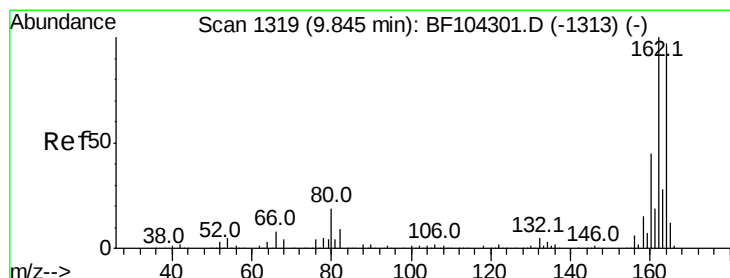
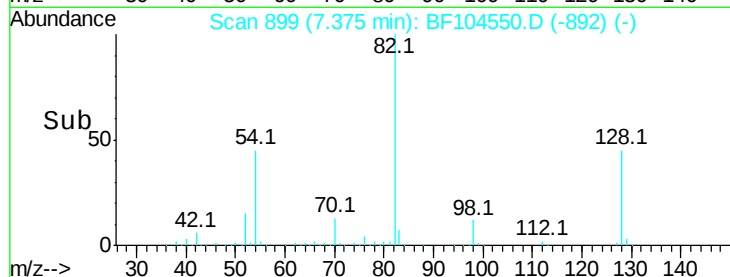
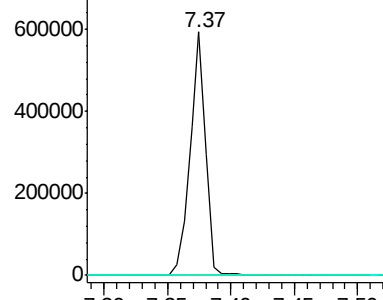
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

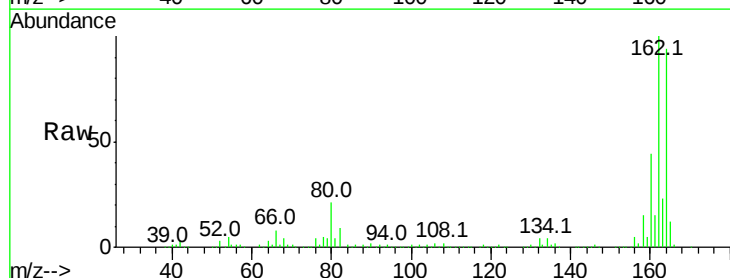
Tgt Ion:164 Resp: 242258

Ion Ratio Lower Upper

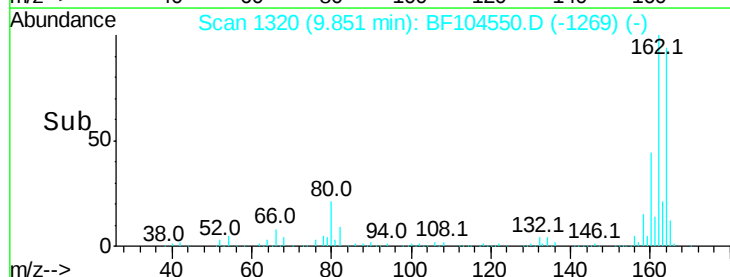
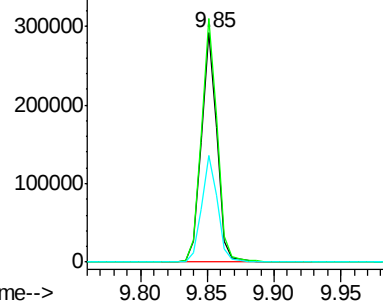
164 100

162 106.2 86.1 129.1

160 46.7 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

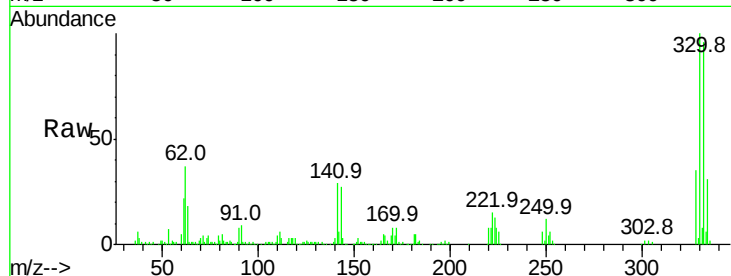




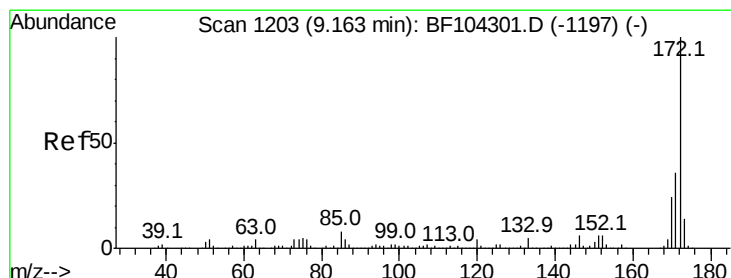
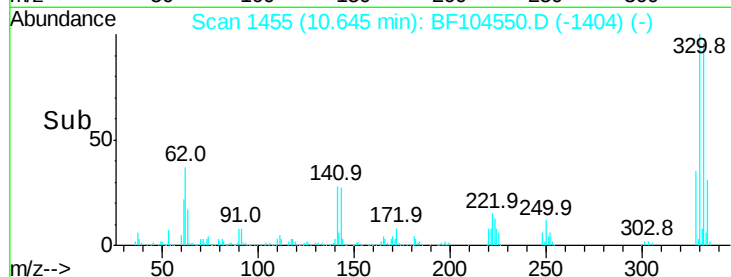
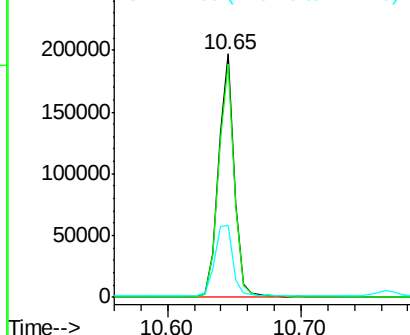
#41
 2,4,6-Tribromophenol
 Concen: 65.589 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 164826
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 34.3 29.9 44.9

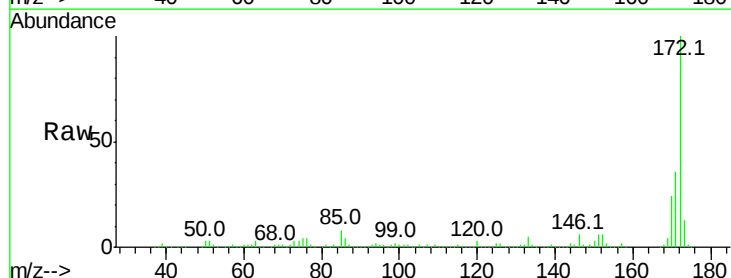


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

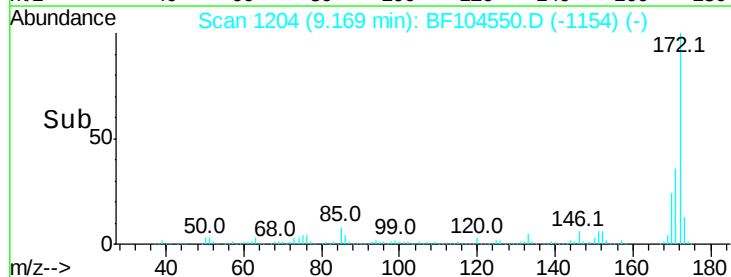
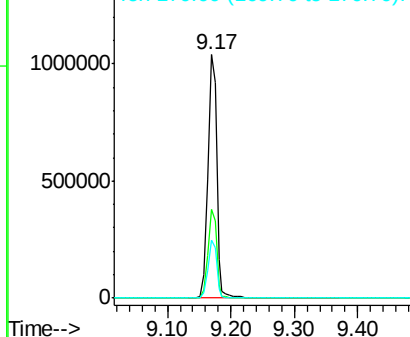


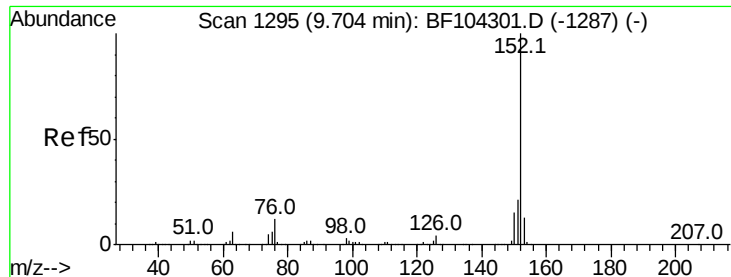
#44
 2-Fluorobiphenyl
 Concen: 65.593 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:172 Resp: 1005875
 Ion Ratio Lower Upper
 172 100
 171 36.4 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





#48

Acenaphthylene

Concen: 5.401 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

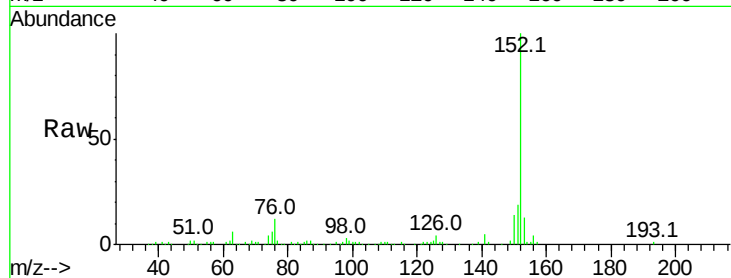
Tot Ion:152 Resp: 136219

Ion Ratio Lower Upper

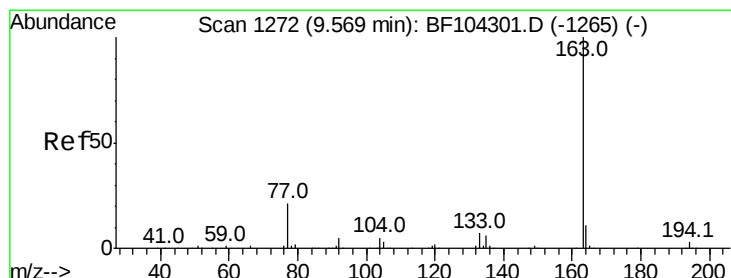
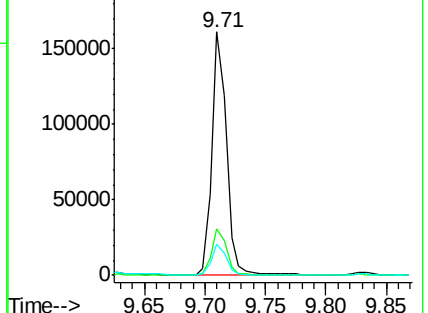
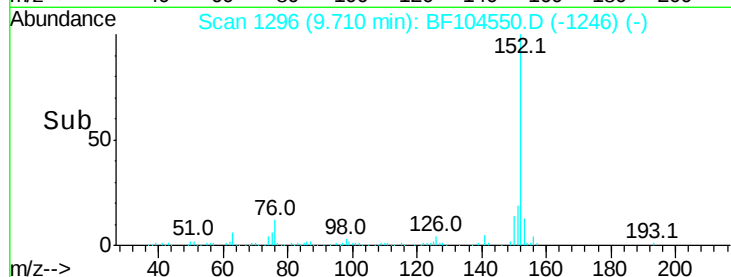
152 100

151 19.3 16.3 24.5

153 12.9 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.074 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

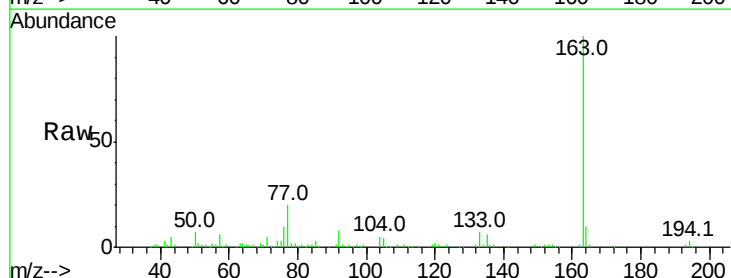
Tgt Ion:163 Resp: 116028

Ion Ratio Lower Upper

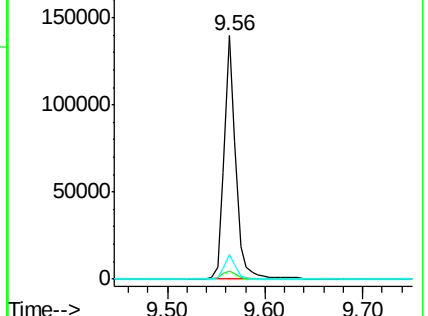
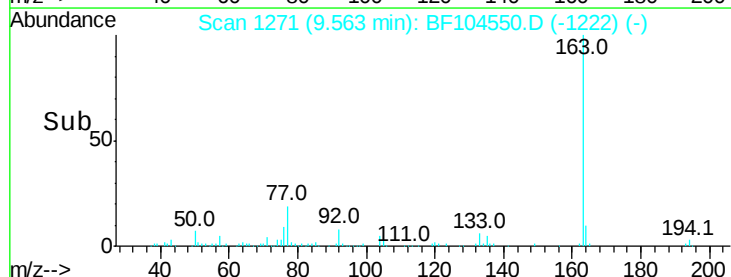
163 100

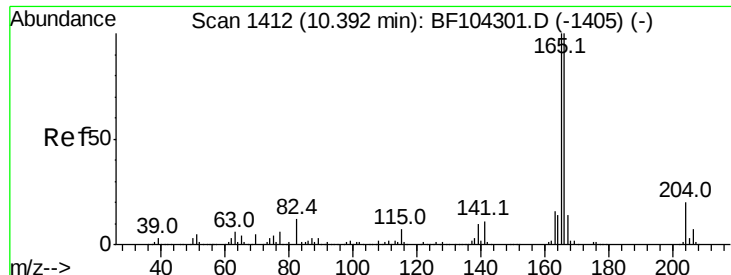
194 3.5 2.7 4.1

164 9.9 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

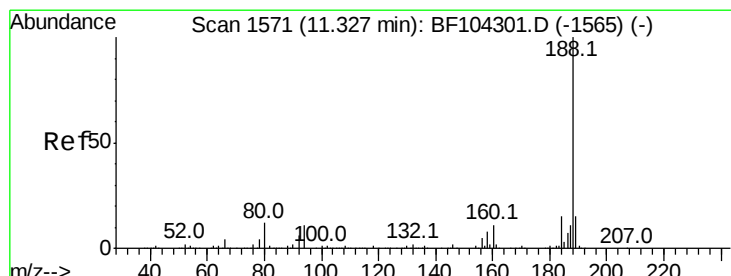
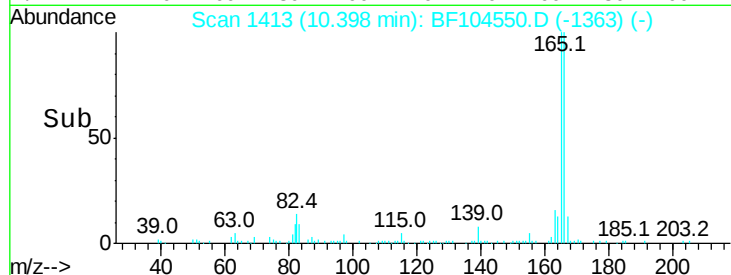
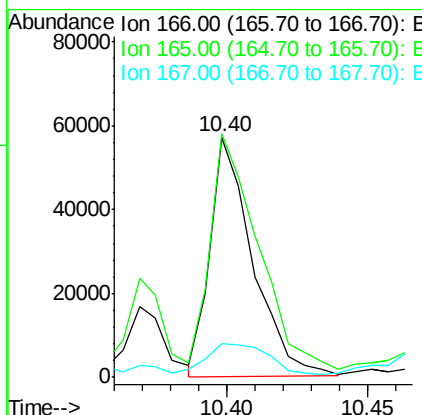
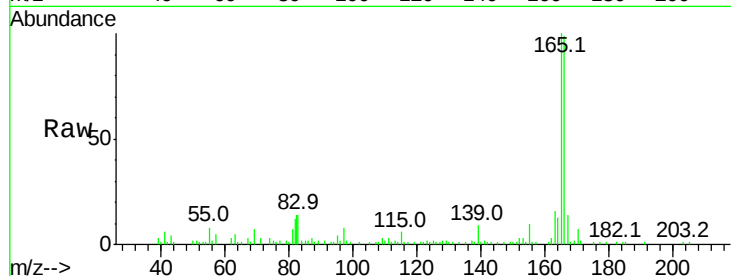




#57
 Fluorene
 Concen: 3.840 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

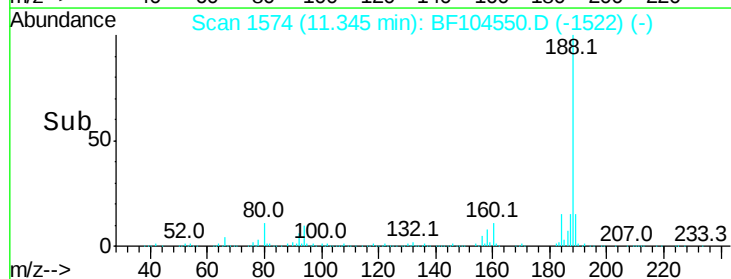
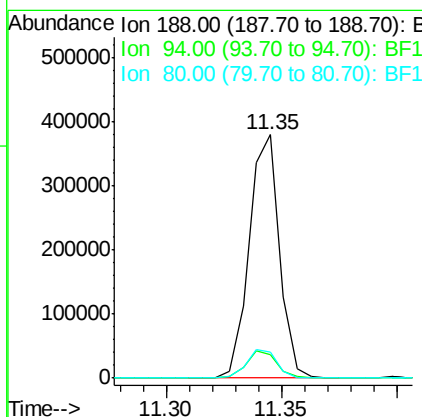
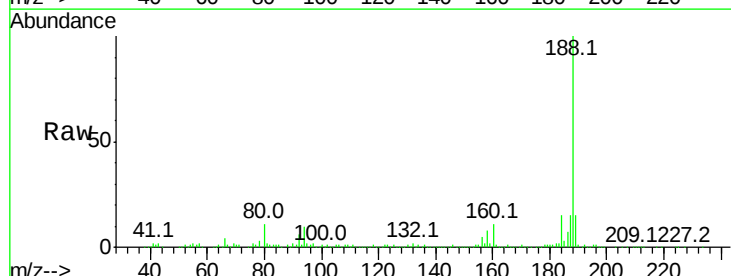
Instrument :
 BNA_F
 ClientSampleId :

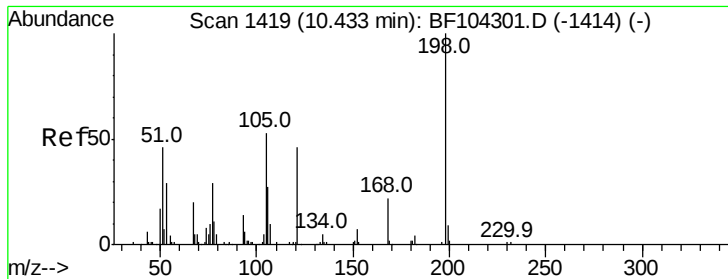
Tot Ion:166 Resp: 59934
 Ion Ratio Lower Upper
 166 100
 165 101.4 79.8 119.8
 167 14.1 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:188 Resp: 348269
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.7 9.2 13.8

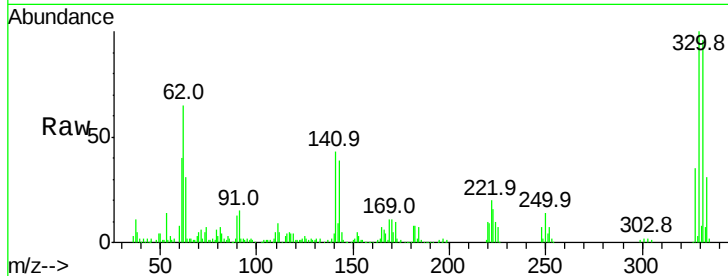




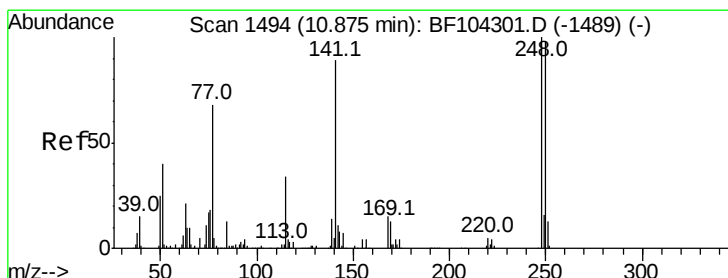
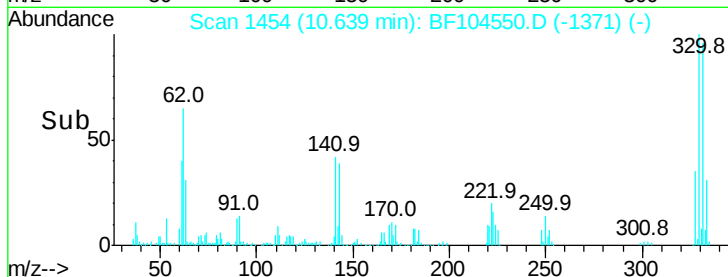
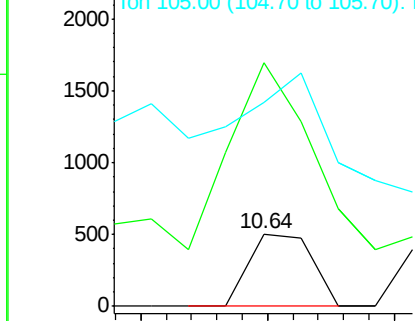
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.520 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 347
 Ion Ratio Lower Upper
 198 100
 51 334.8 37.7 77.7#
 105 280.2 36.3 76.3#

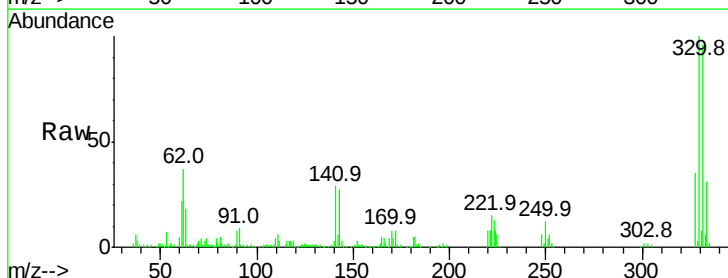


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

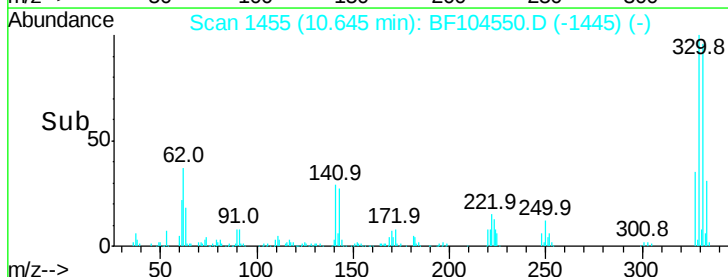
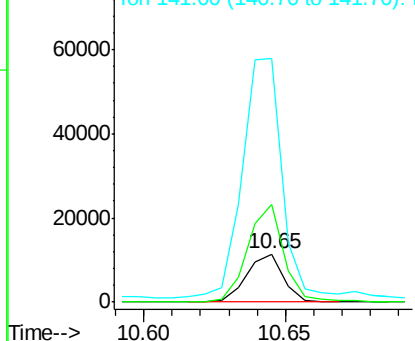


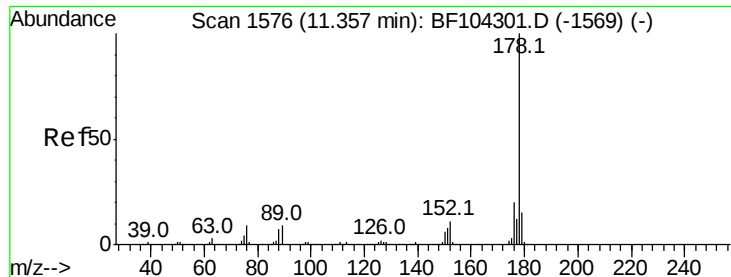
#66
 4-Bromophenyl-phenylether
 Concen: 2.744 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:248 Resp: 10164
 Ion Ratio Lower Upper
 248 100
 250 202.4 76.9 115.3#
 141 504.5 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: 35.933 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

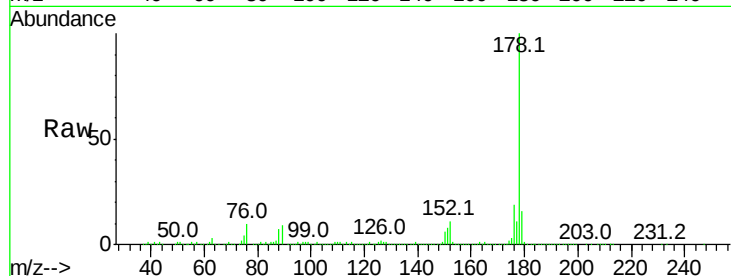
Tot Ion:178 Resp: 696919

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

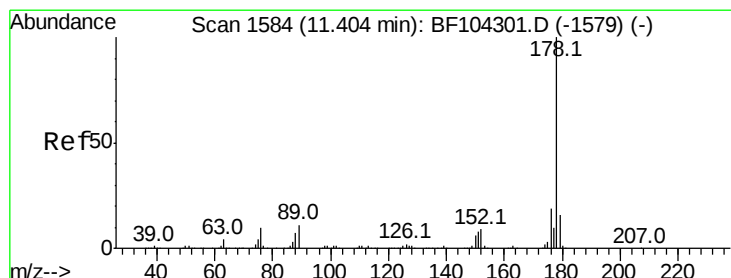
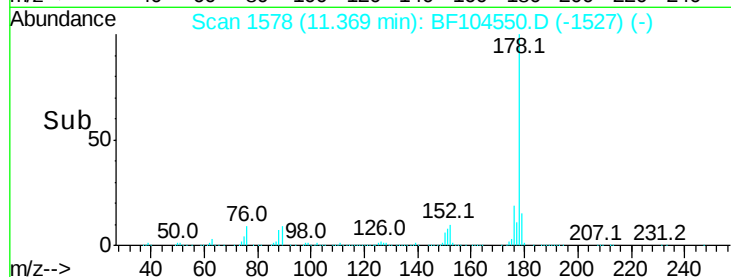
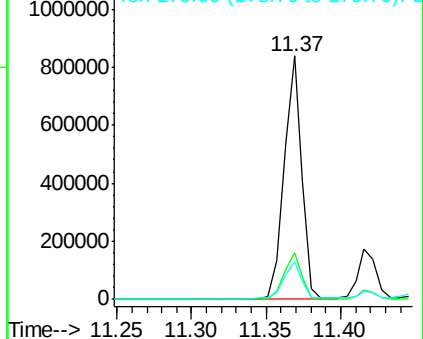
179 15.5 13.0 19.6



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: 7.114 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

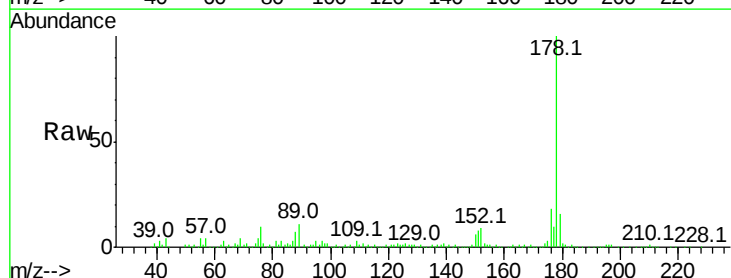
Tgt Ion:178 Resp: 140255

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

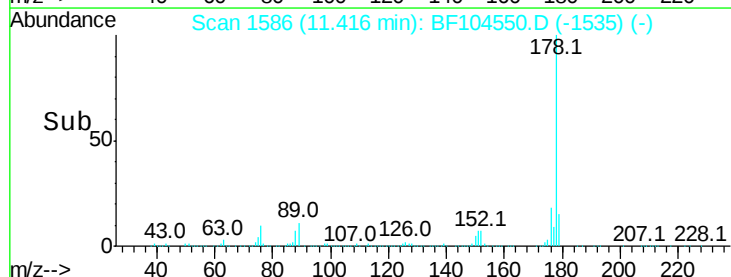
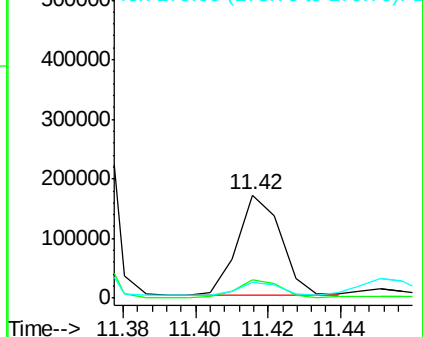
179 15.8 12.6 19.0

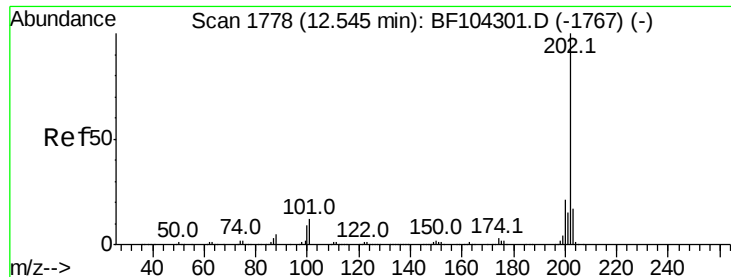


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

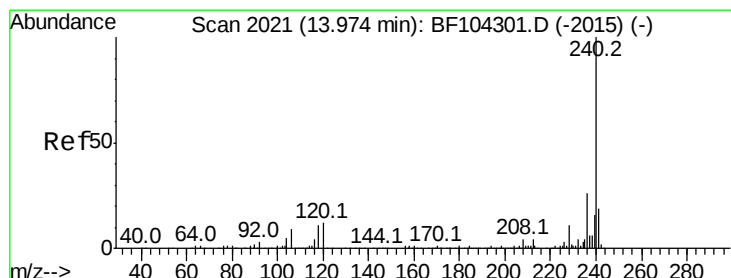
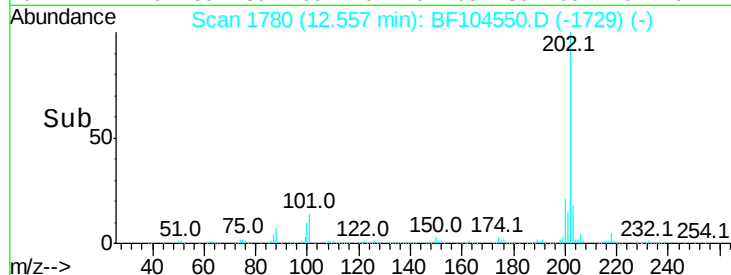
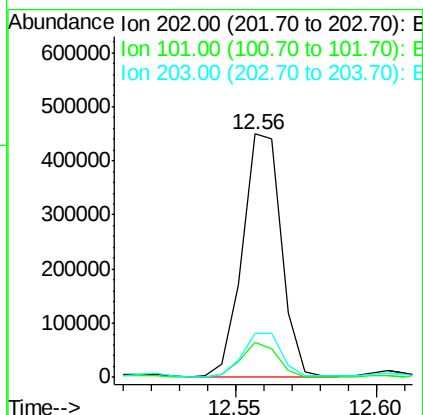
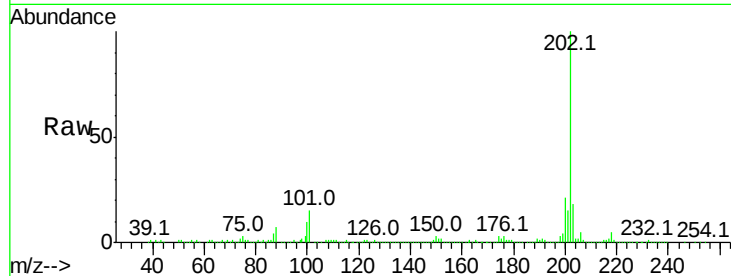




#74
 Fluoranthene
 Concen: 21.050 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

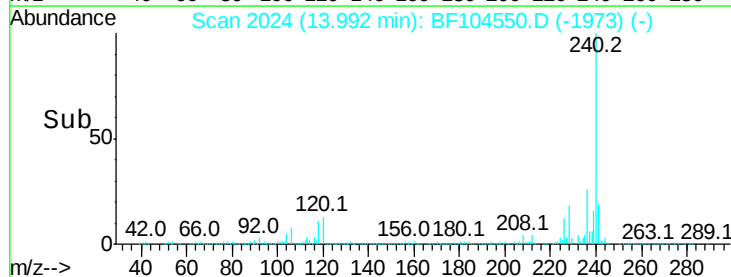
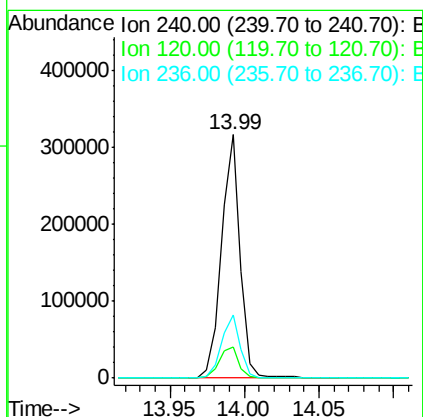
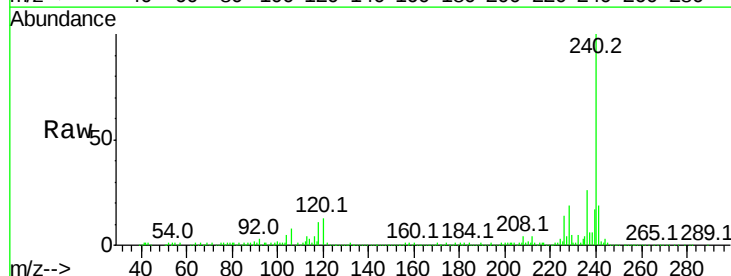
Instrument :
 BNA_F
 ClientSampleId :

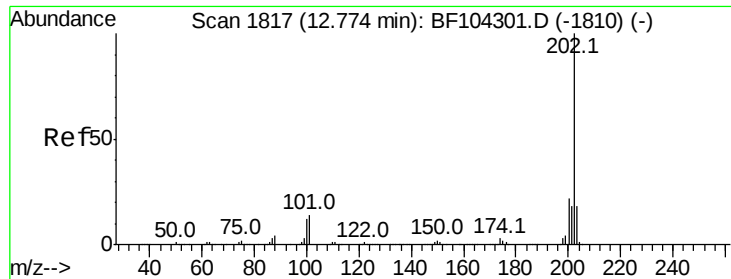
Tot Ion:202 Resp: 426561
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.1
 203 18.1 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:240 Resp: 277011
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.9 20.7 31.1

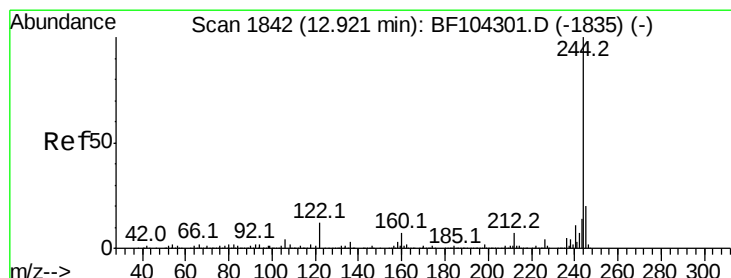
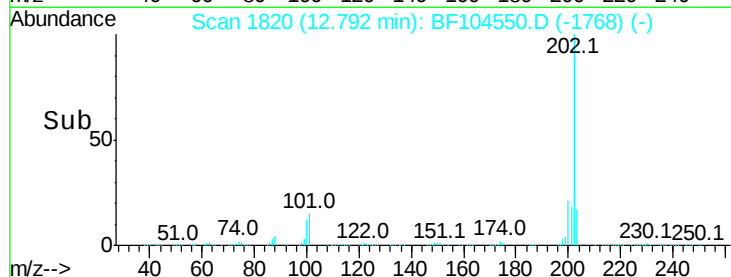
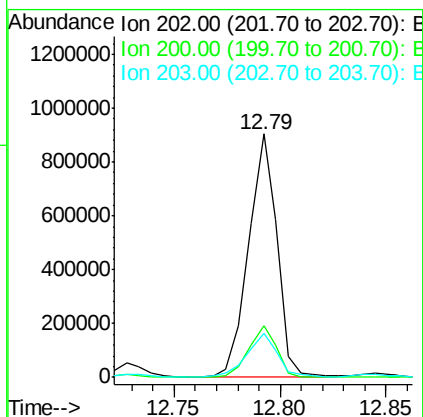
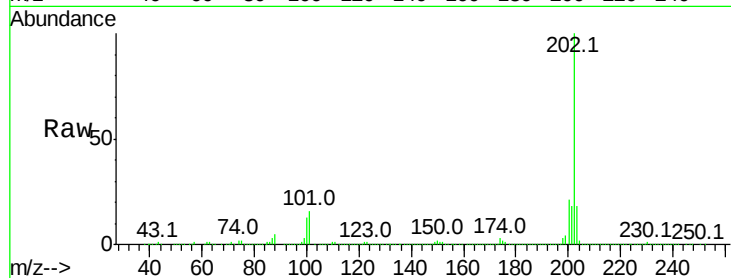




#77
 Pvrene
 Concen: 40.773 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

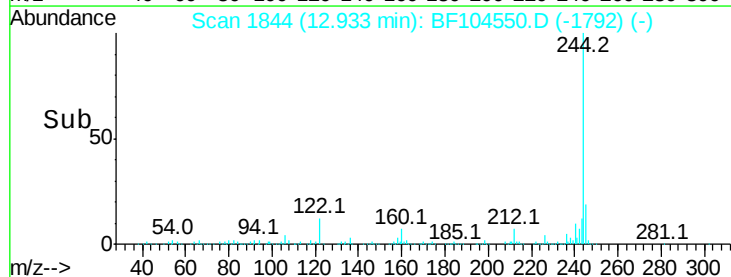
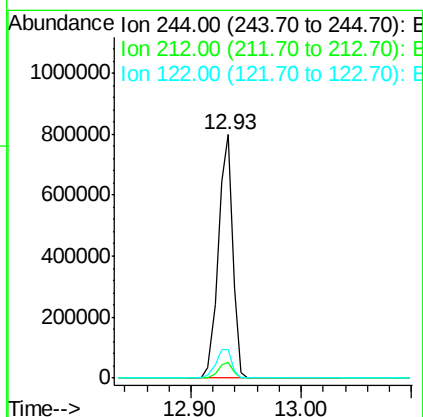
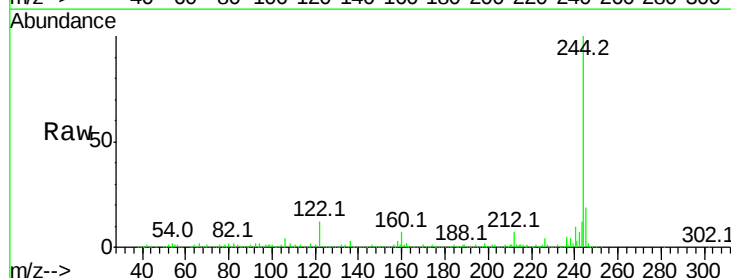
Instrument :
 BNA_F
 ClientSampleId :

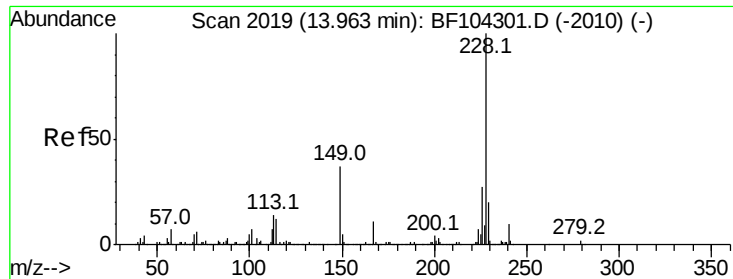
Tot Ion:202 Resp: 837200
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 17.8 14.3 21.5



#78
 Terphenyl-d14
 Concen: 59.348 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104550.D
 Acq: 16 Apr 2018 23:07

Tgt Ion:244 Resp: 721104
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.9 11.0 16.4

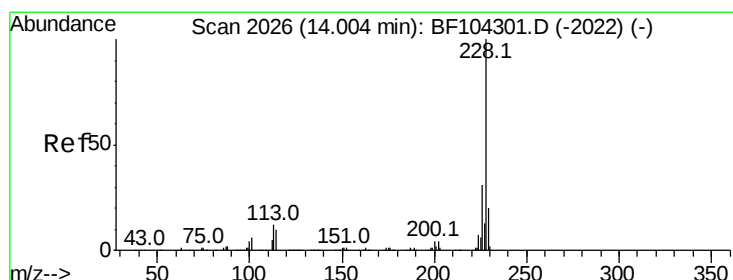
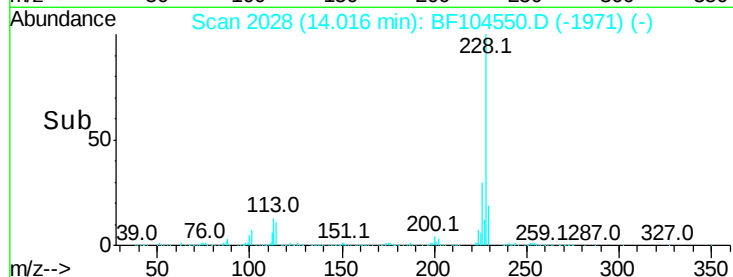
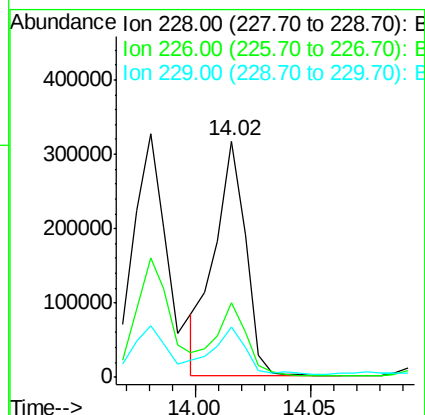
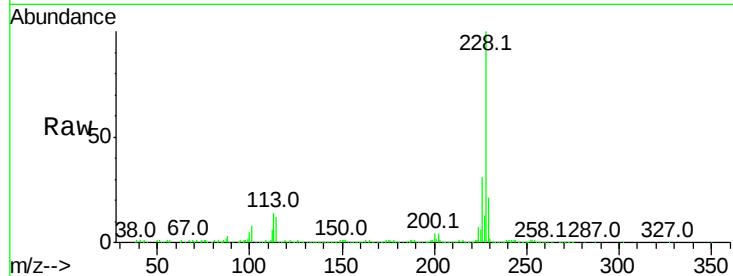




#80
Benzo(a)anthracene
Concen: 17.878 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF104550.D
Acq: 16 Apr 2018 23:07

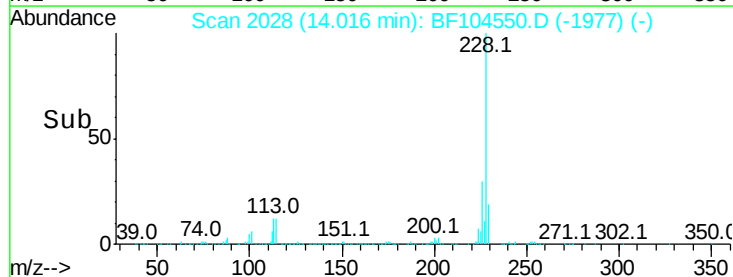
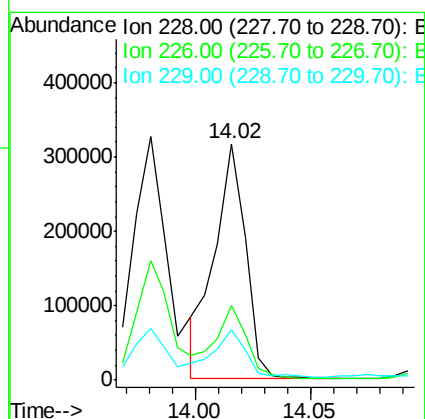
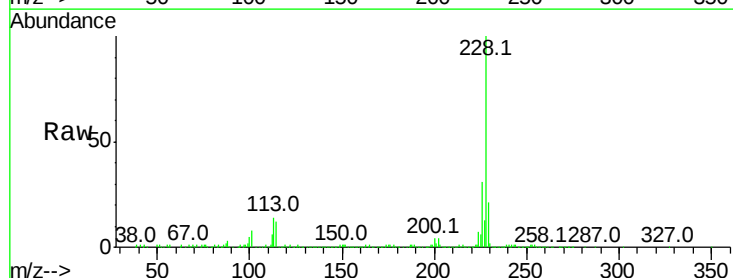
Instrument :
BNA_F
ClientSampleId :

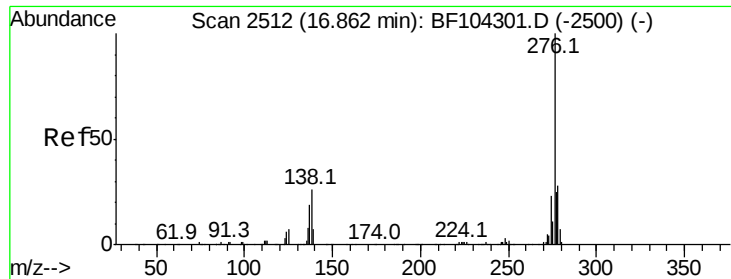
Tot Ion:228 Resp: 295862
Ion Ratio Lower Upper
228 100
226 31.3 22.6 33.8
229 21.1 15.8 23.6



#82
Chrysene
Concen: 17.405 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF104550.D
Acq: 16 Apr 2018 23:07

Tgt Ion:228 Resp: 295862
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 21.1 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.853 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

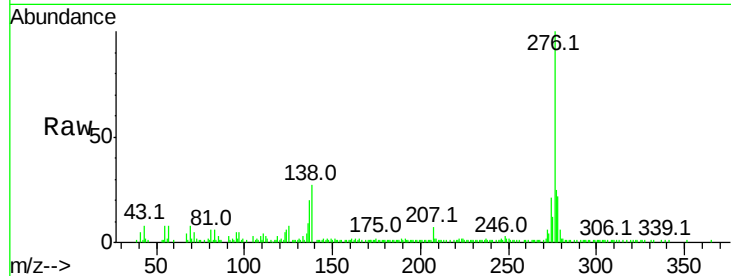
Tot Ion:276 Resp: 113396

Ion Ratio Lower Upper

276 100

138 26.0 25.0 37.6

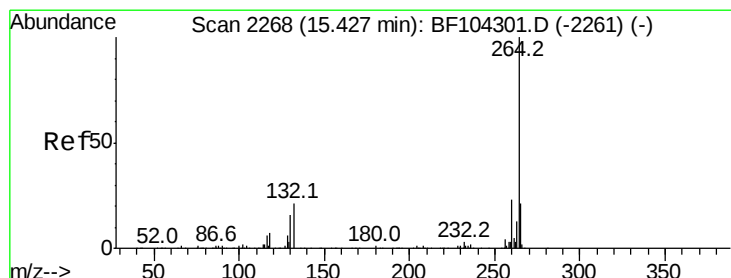
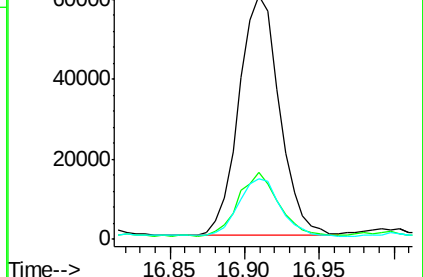
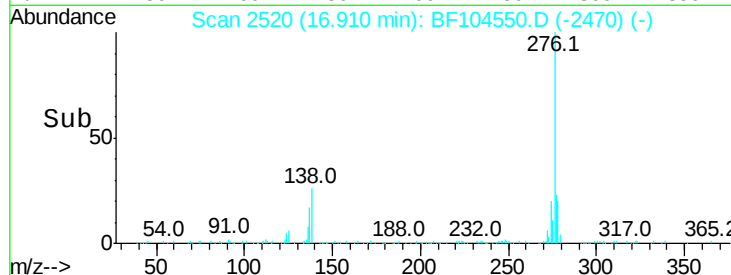
277 25.0 20.1 30.1



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. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

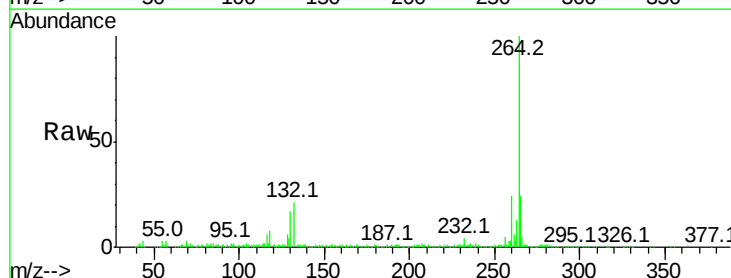
Tgt Ion:264 Resp: 197568

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

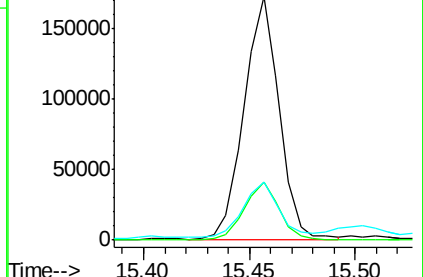
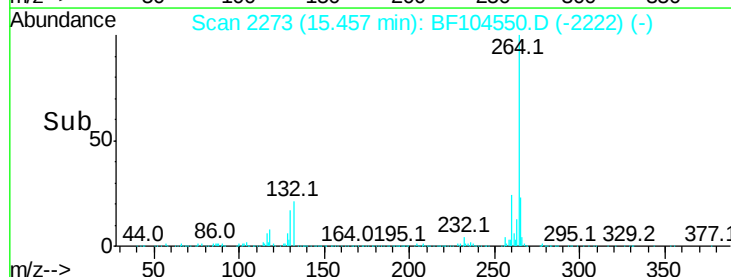
265 23.8 17.5 26.3

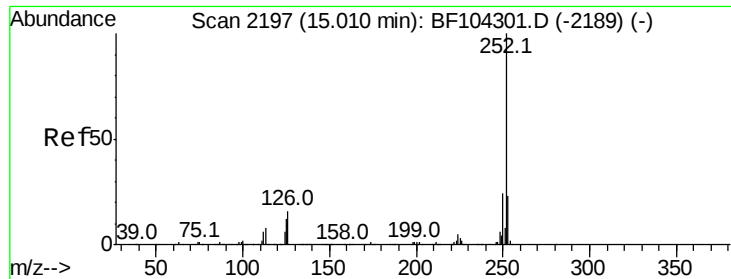


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.817 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

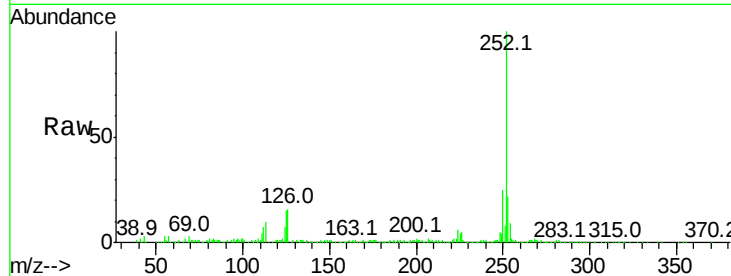
Tot Ion:252 Resp: 347107

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

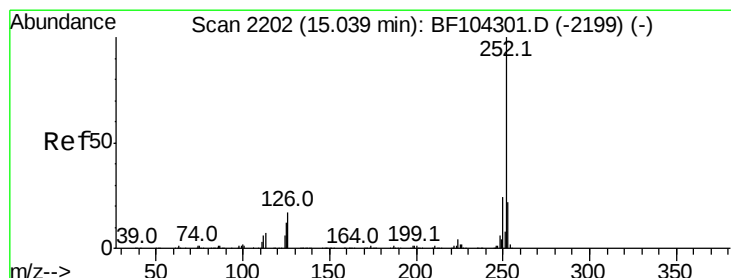
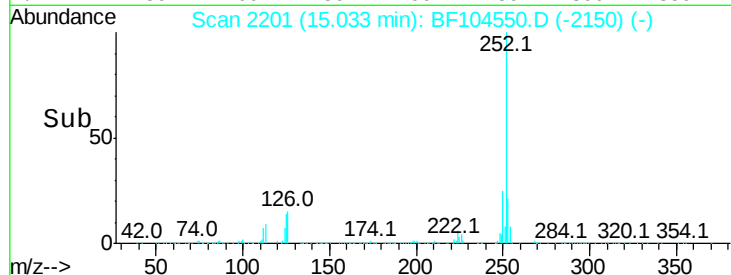
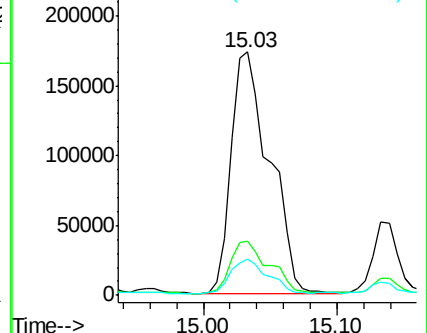
125 14.7 9.0 13.6#



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: 29.465 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.03 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

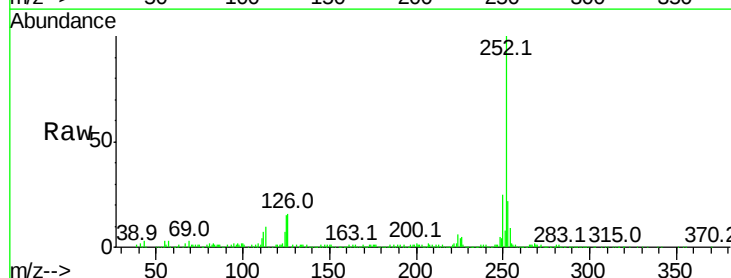
Tgt Ion:252 Resp: 347107

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

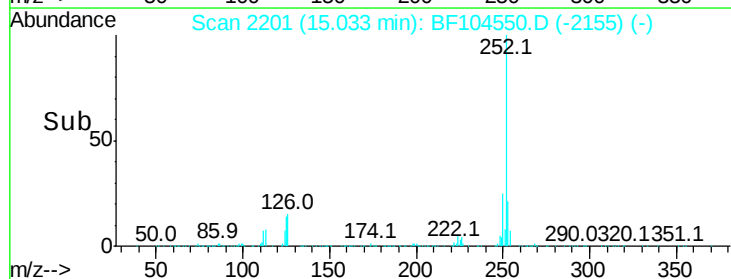
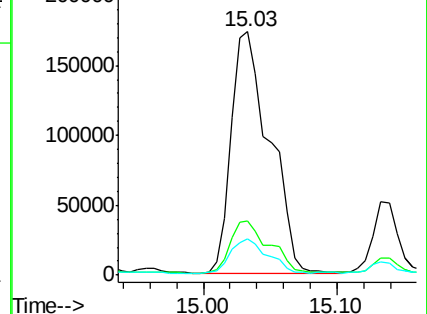
125 14.7 10.2 15.2

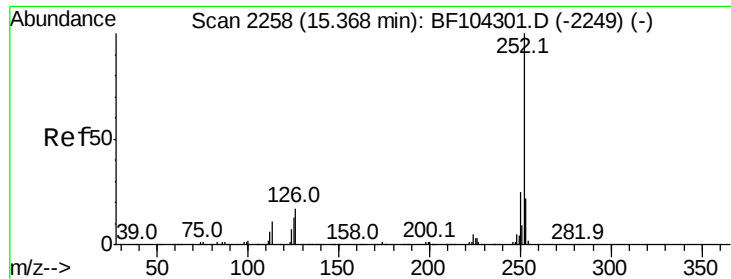


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 21.948 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104550.D

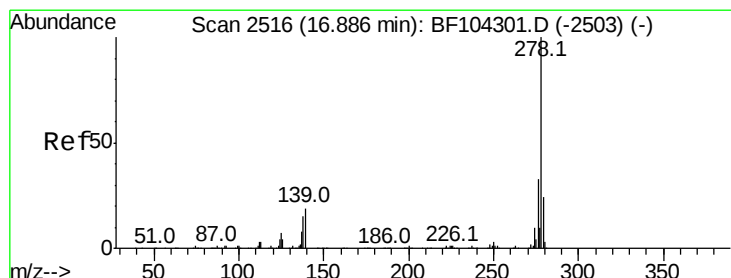
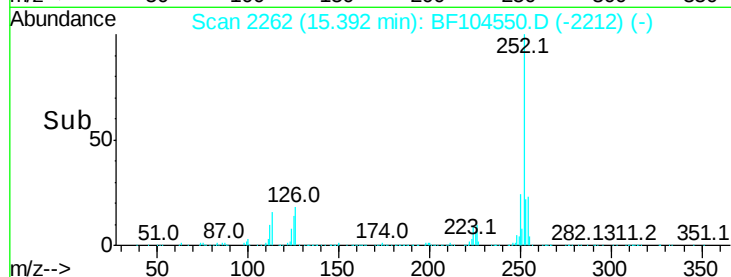
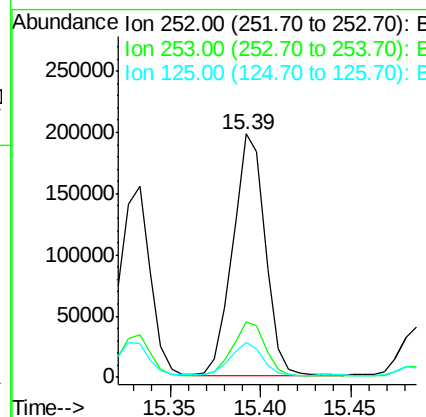
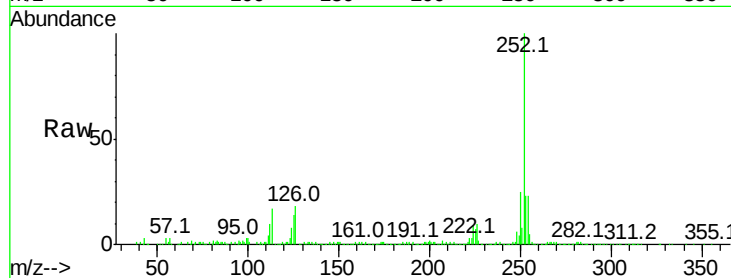
Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	245049
Ion	Ratio	Lower Upper
252	100	
253	22.6	17.1 25.7
125	14.3	9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 3.578 ng

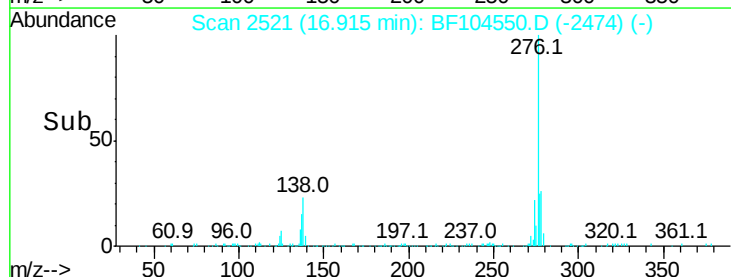
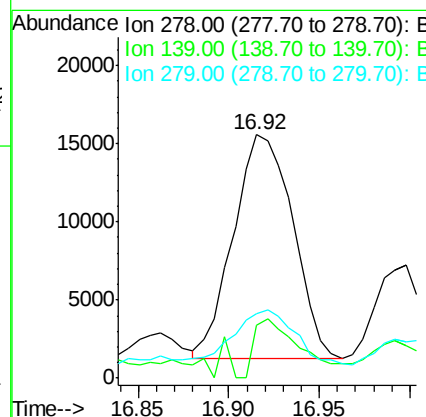
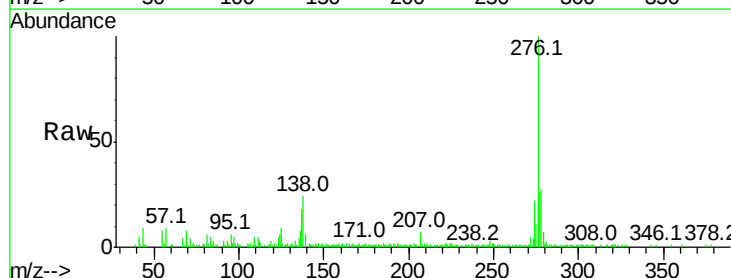
RT: 16.92 min Scan# 2521

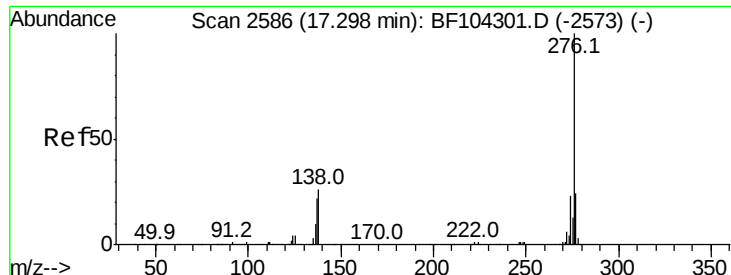
Delta R.T. -0.02 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Tgt Ion:278	Resp:	32813
Ion	Ratio	Lower Upper
278	100	
139	21.7	15.9 23.9
279	26.5	19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 14.470 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.01 min

Lab File: BF104550.D

Acq: 16 Apr 2018 23:07

Instrument :

BNA_F

ClientSampleId :

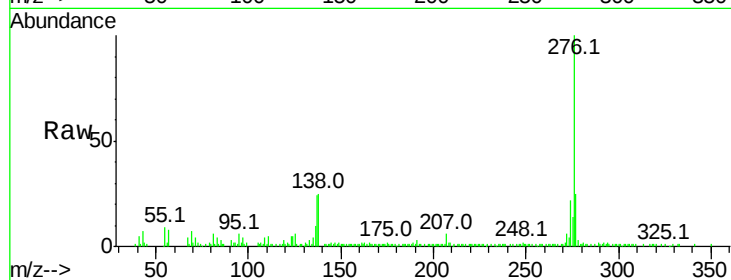
Tot Ion:276 Resp: 128553

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 25.0 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

