

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050118\
 Data File : BF104979.D
 Acq On : 1 May 2018 13:15
 Operator : JU/SJ
 Sample : J2166-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 16:15:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107145	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	448067	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	203649	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	327423	20.00	ng	0.00
75) Chrysene-d12	13.97	240	214841	20.00	ng	0.00
86) Perylene-d12	15.44	264	210194	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	572094	81.64	ng	0.00
7) Phenol-d6	6.43	99	709448	82.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	425866	62.06	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	173066	81.92	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	772671	59.94	ng	0.00
78) Terphenyl-d14	12.91	244	566368	60.10	ng	0.00

Target Compounds

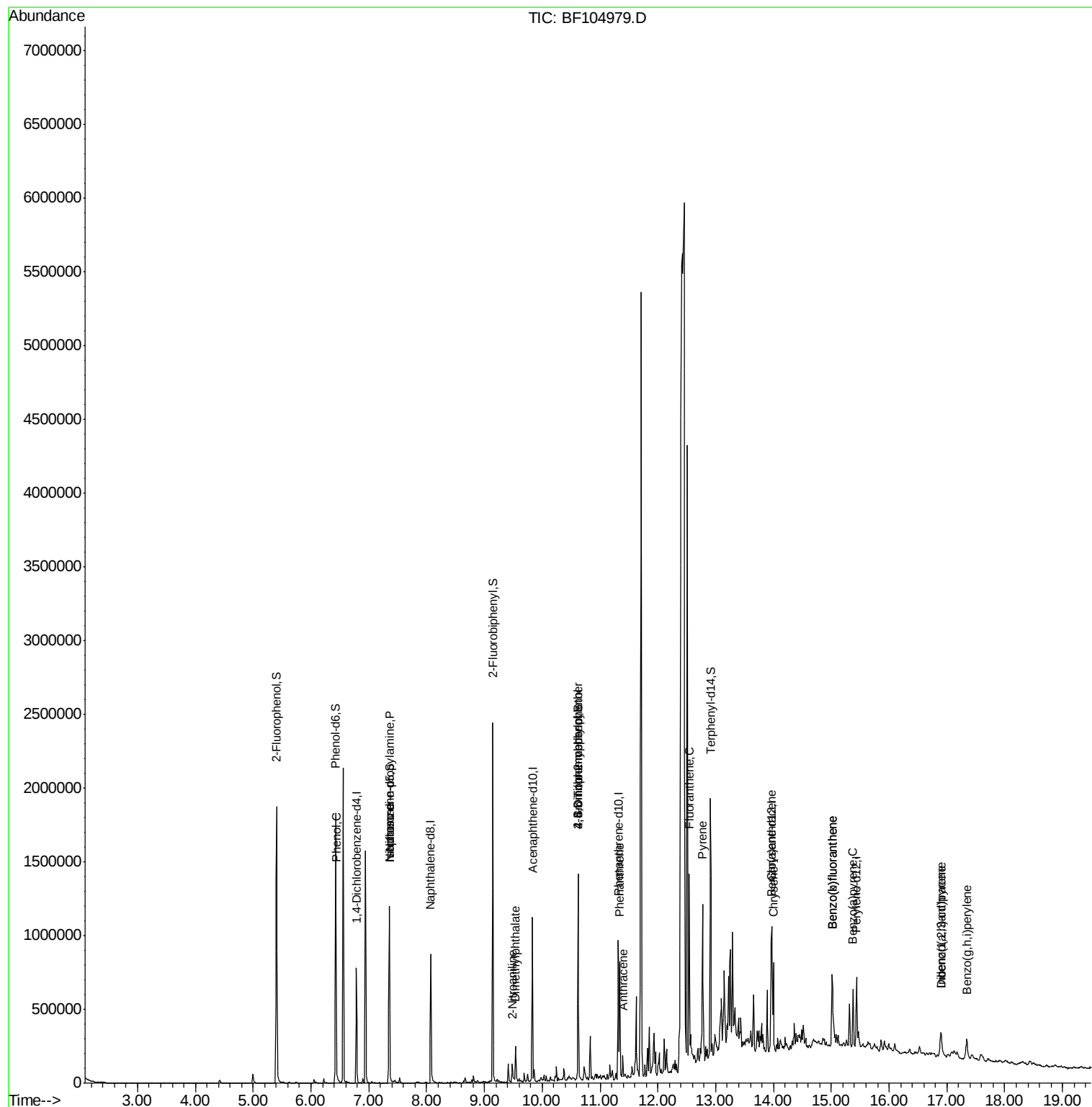
						Qvalue
10) Phenol	6.44	94	27123	2.969	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	55103	9.794	ng	# 70
25) Isophorone	7.36	82	425862	29.349	ng	# 64
47) 2-Nitroaniline	9.48	65	11894	3.559	ng	# 7
49) Dimethylphthalate	9.54	163	93121	5.799	ng	99
64) 4,6-Dinitro-2-methylphenol	10.62	198	327	7.521	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	11036	3.169	ng	# 1
70) Phenanthrene	11.34	178	276908	15.186	ng	98
71) Anthracene	11.39	178	57612	3.108	ng	97
74) Fluoranthene	12.54	202	474549	24.909	ng	98
76) Benzydine	12.64	184	715	Below Cal		# 1
77) Pvrene	12.77	202	479186	30.091	ng	99
80) Benzo(a)anthracene	13.96	228	215559	16.795	ng	98
82) Chrysene	14.00	228	229062	17.375	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	103794	9.268	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	349968	26.362	ng	98
88) Benzo(k)fluoranthene	15.02	252	349968	27.923	ng	99
89) Benzo(a)pyrene	15.37	252	190830	16.065	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	30630	3.140	ng	# 92
91) Benzo(a,h,i)perylene	17.34	276	102177	10.811	ng	96

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050118\
Data File : BF104979.D
Acq On : 1 May 2018 13:15
Operator : JU/SJ
Sample : J2166-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 01 16:15:24 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 16:13:08 2018
Response via : Initial Calibration



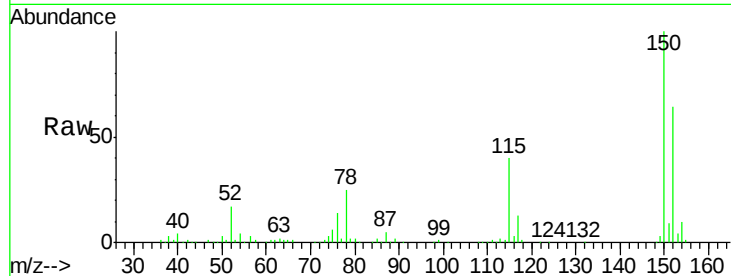


#1

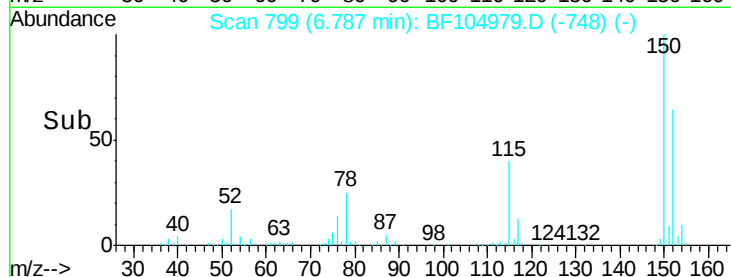
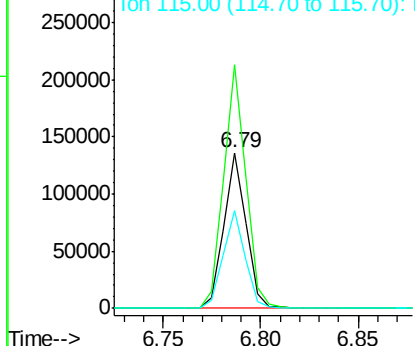
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107145
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 62.8 50.1 75.1



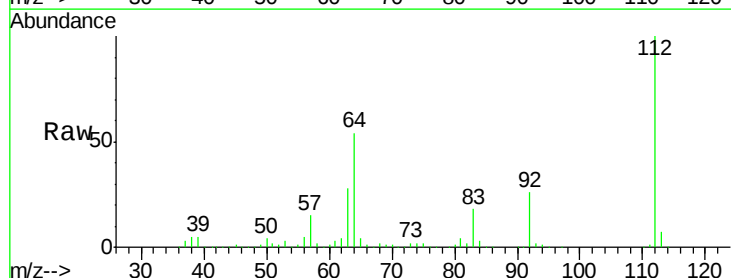
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



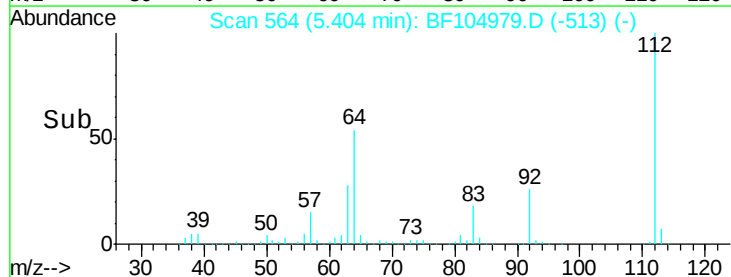
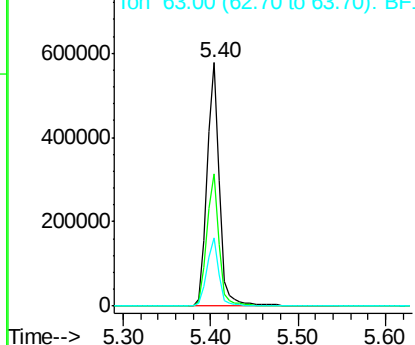
#5

2-Fluorophenol
Concen: 81.643 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion:112 Resp: 572094
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 28.1 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: 82.401 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

ClientSampleId :

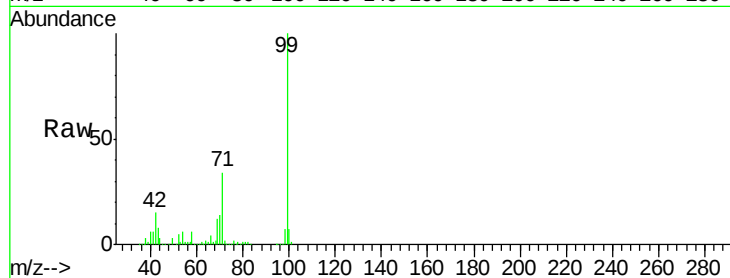
Tot Ion: 99 Resp: 709448

Ion Ratio Lower Upper

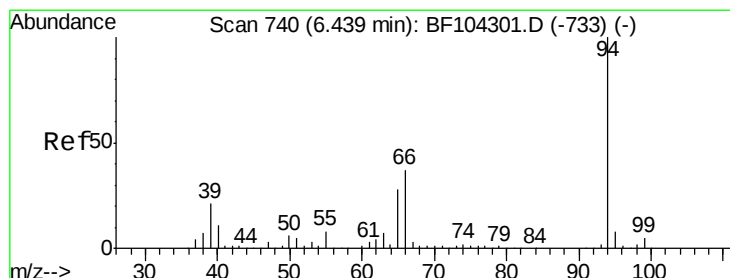
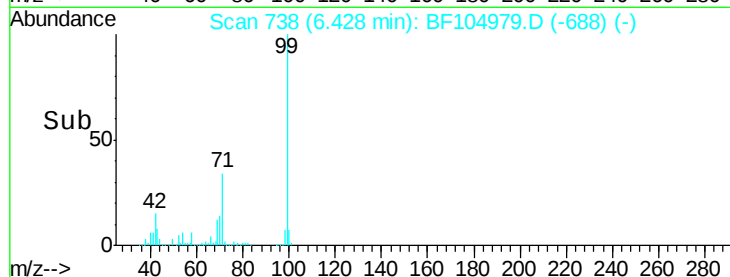
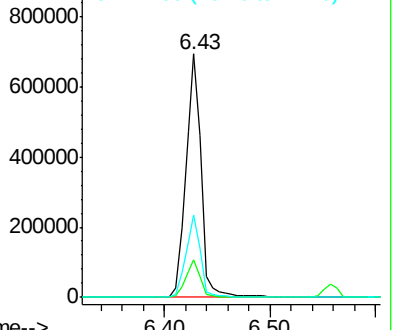
99 100

42 15.4 14.5 21.7

71 33.7 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



#10

Phenol

Concen: 2.969 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

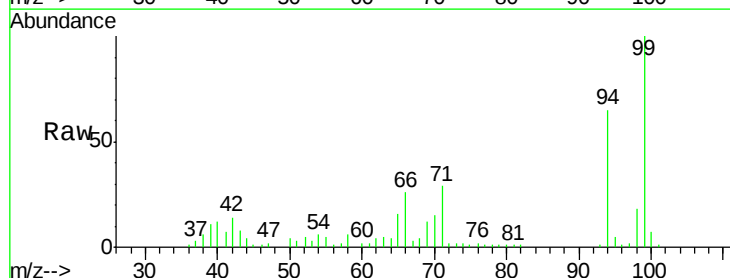
Tgt Ion: 94 Resp: 27123

Ion Ratio Lower Upper

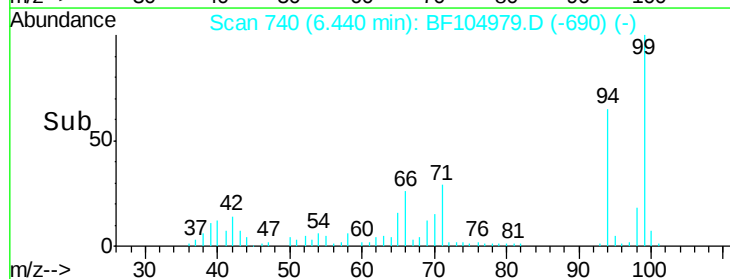
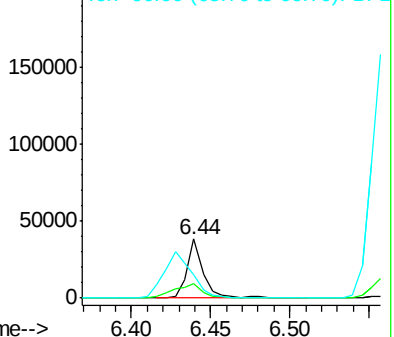
94 100

65 24.4 7.9 47.9

66 40.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

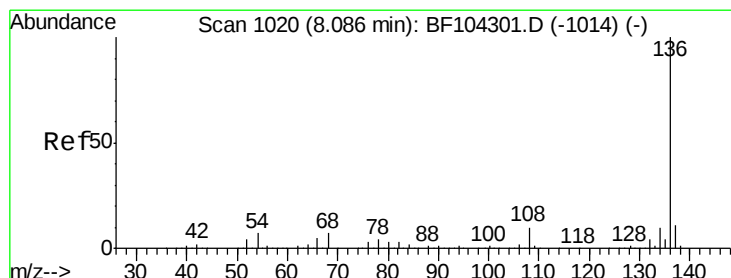
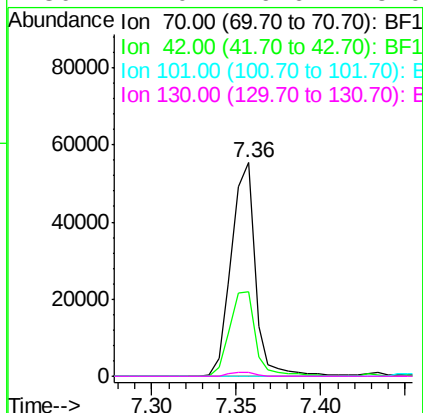
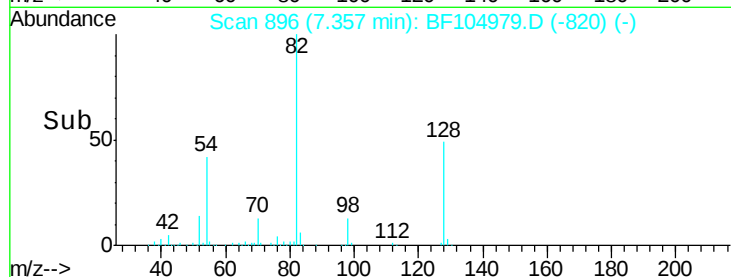
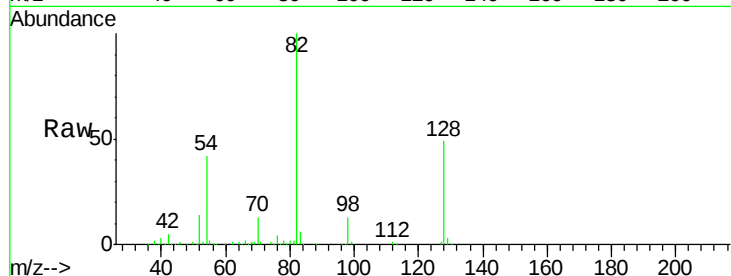




#19
n-Nitroso-di-n-propylamine
Concen: 9.794 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

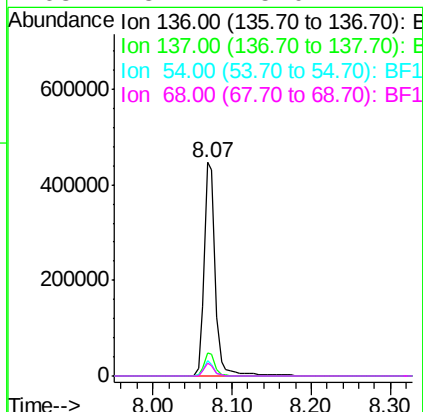
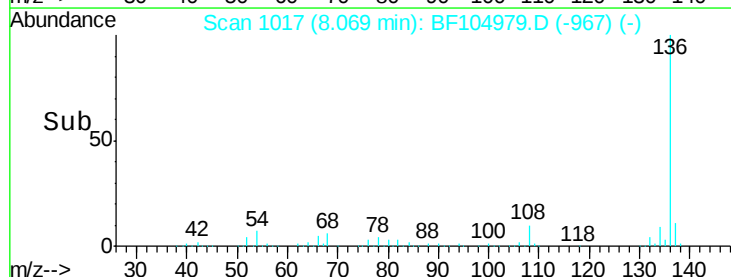
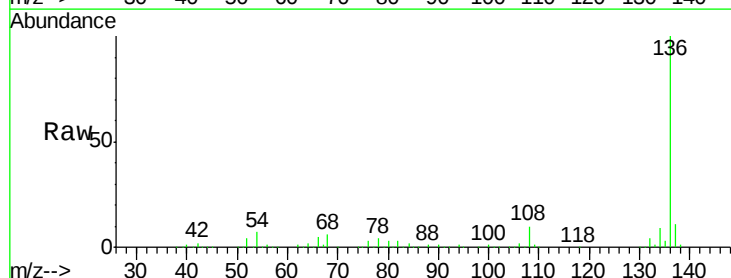
Instrument :
BNA_F
ClientSampleId :

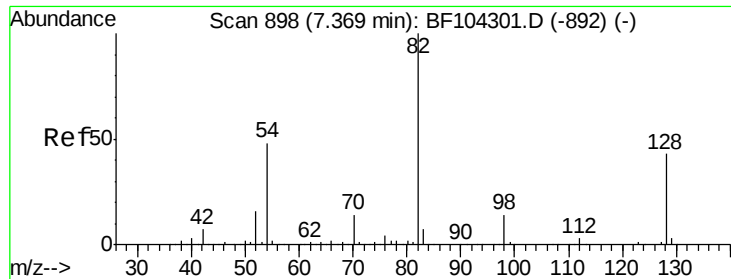
Tot Ion: 70 Resp: 55103
Ion Ratio Lower Upper
70 100
42 39.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion: 136 Resp: 448067
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

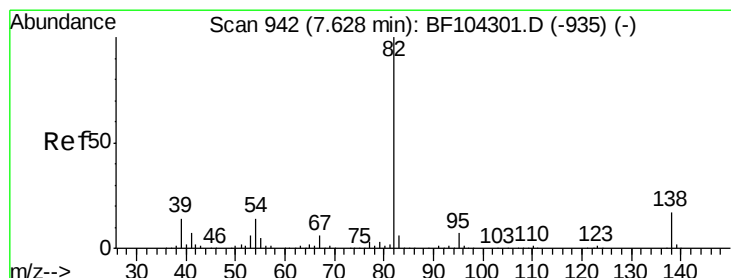
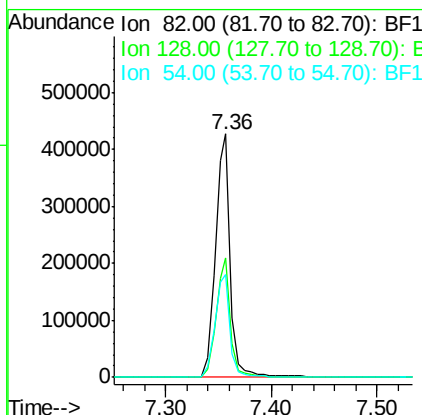
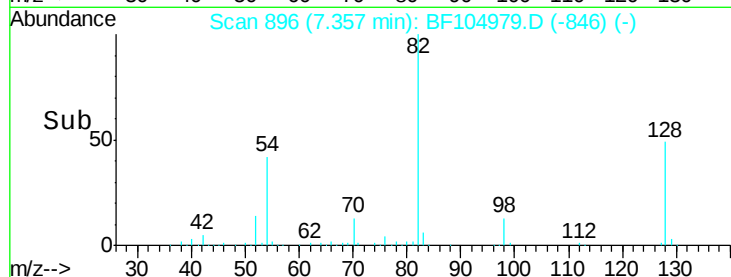
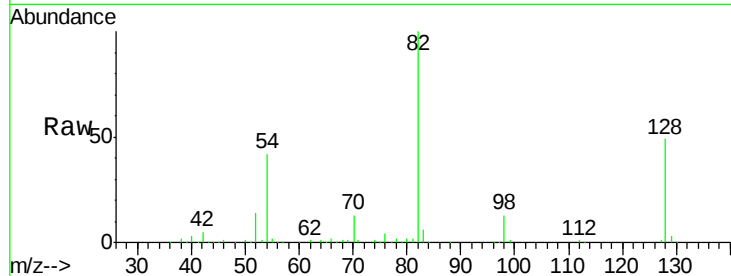




#23
Nitrobenzene-d5
Concen: 62.063 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

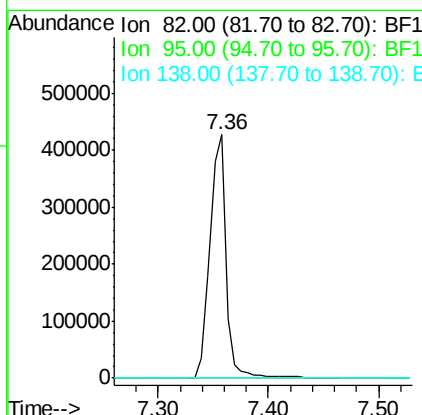
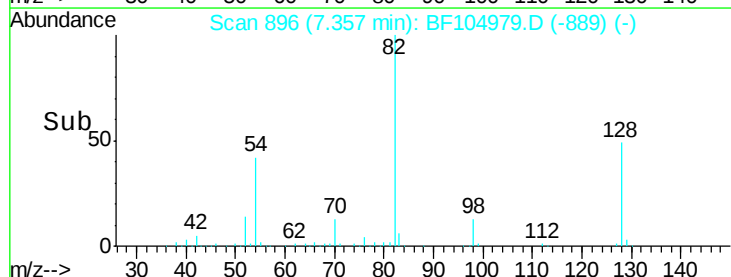
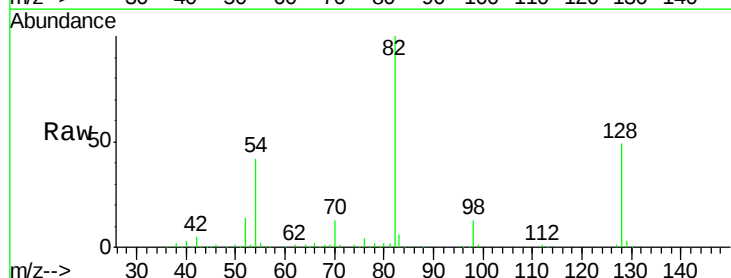
Instrument :
BNA_F
ClientSampleId :

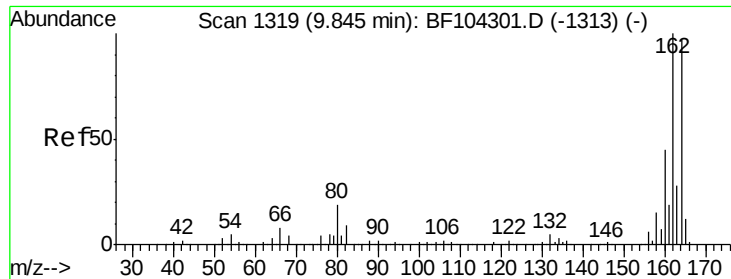
Tot Ion: 82 Resp: 425866
Ion Ratio Lower Upper
82 100
128 48.8 36.1 54.1
54 42.2 41.4 62.2



#25
Isophorone
Concen: 29.349 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion: 82 Resp: 425862
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

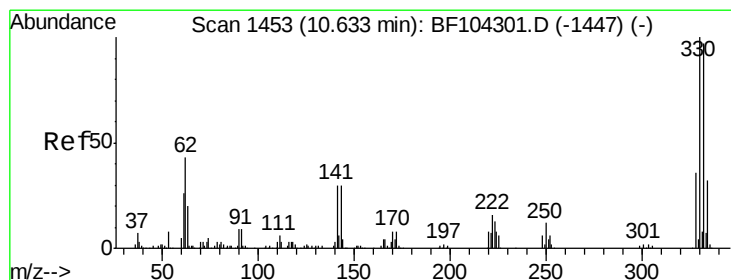
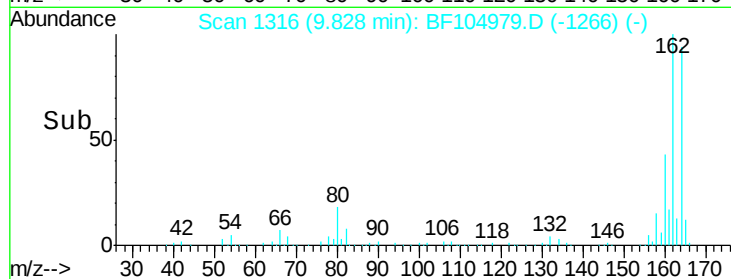
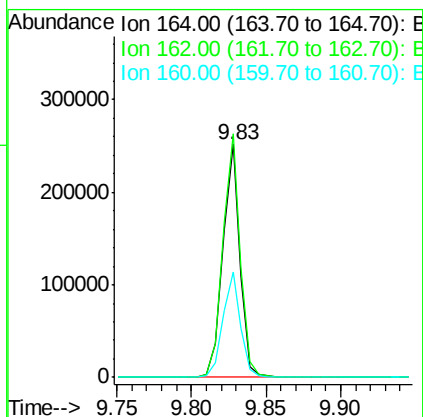
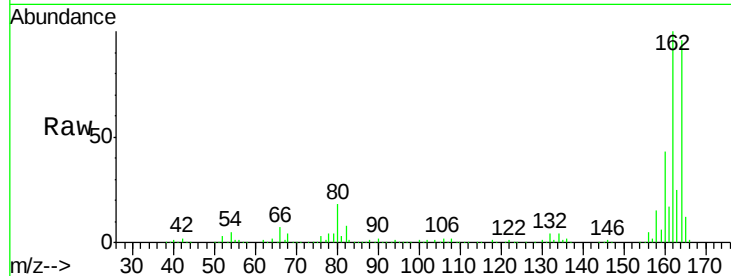




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

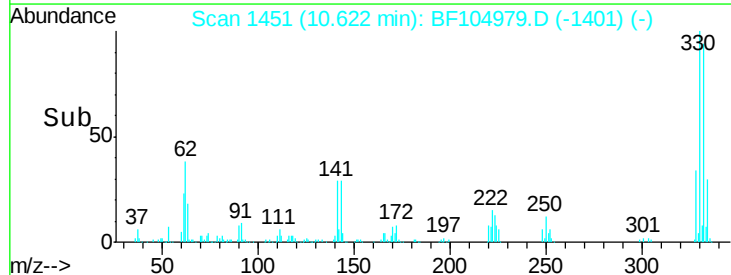
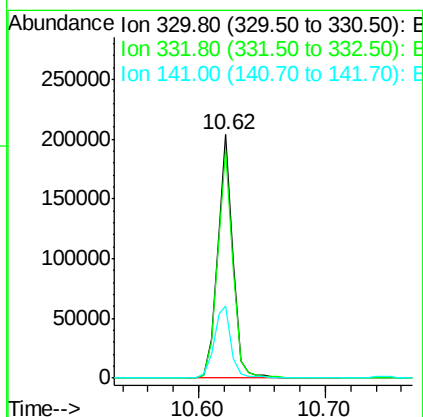
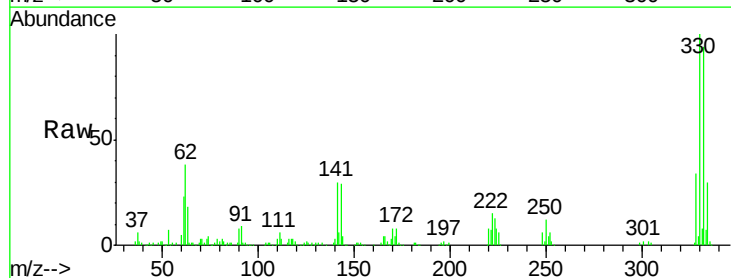
Instrument :
 BNA_F
 ClientSampleId :

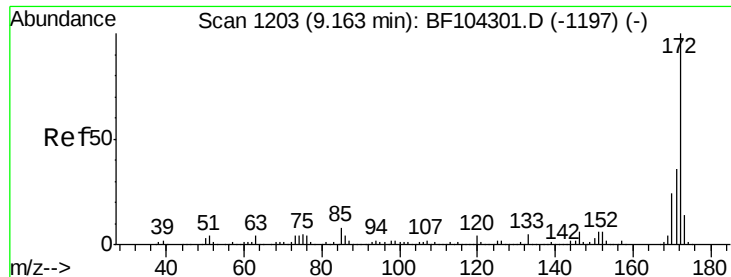
Tot Ion:164 Resp: 203649
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 45.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 81.924 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Tgt Ion:330 Resp: 173066
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 33.9 29.9 44.9

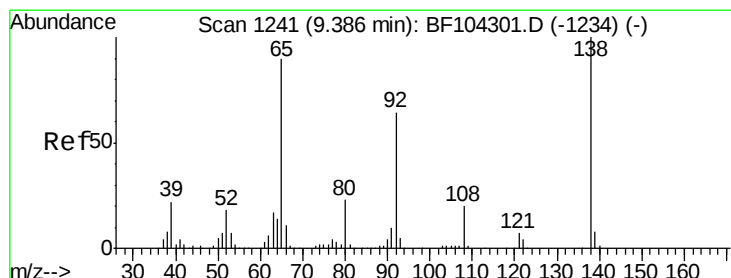
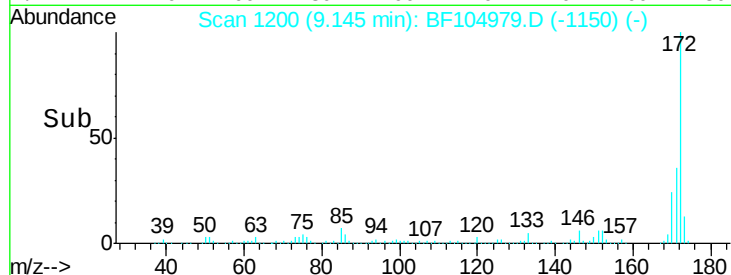
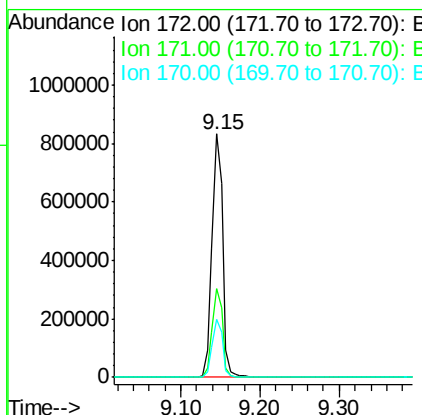
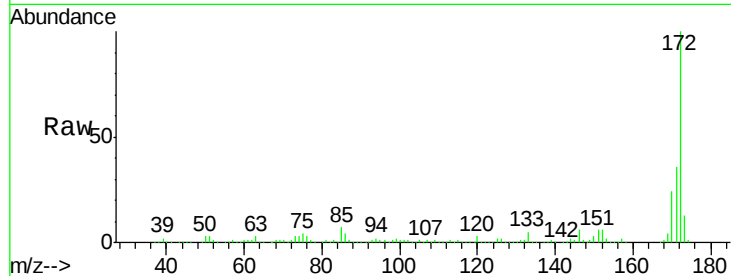




#44
 2-Fluorobiphenyl
 Concen: 59.938 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

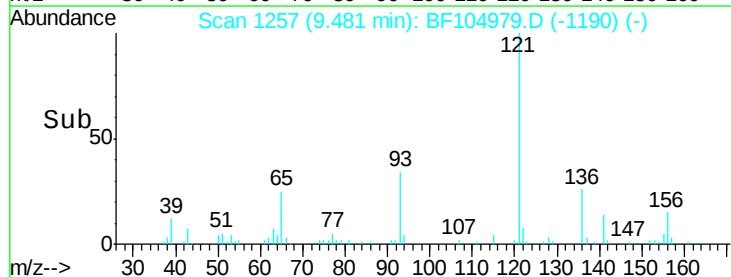
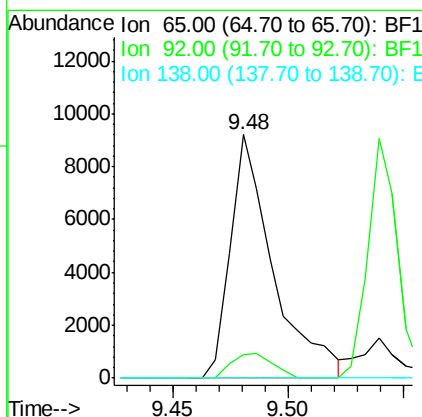
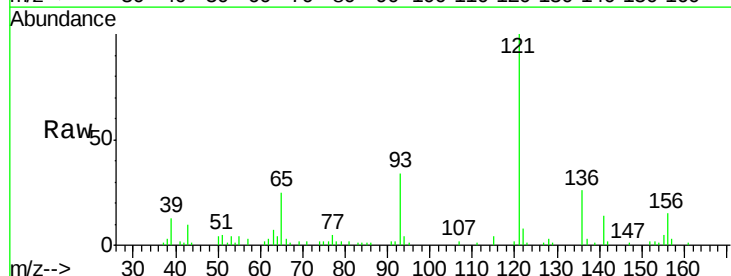
Instrument :
 BNA_F
 ClientSampleId :

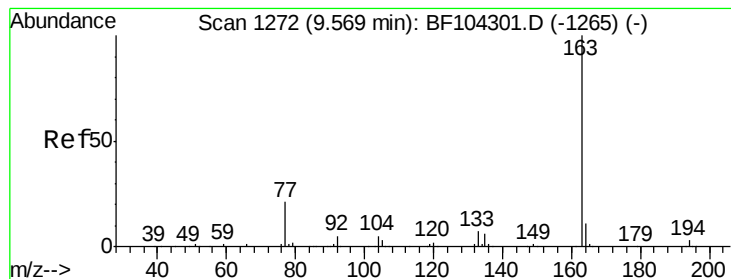
Tot Ion:172 Resp: 772671
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.6 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.559 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.09 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Tgt Ion: 65 Resp: 11894
 Ion Ratio Lower Upper
 65 100
 92 9.6 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 5.799 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

ClientSampled :

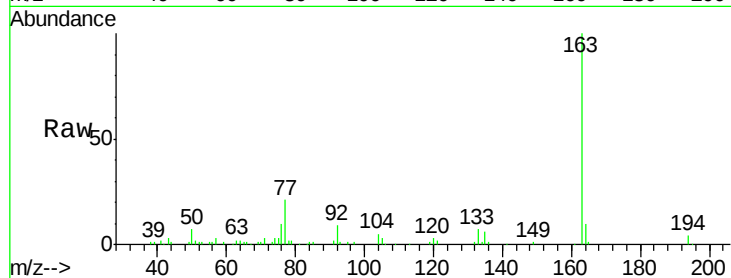
Tot Ion:163 Resp: 93121

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

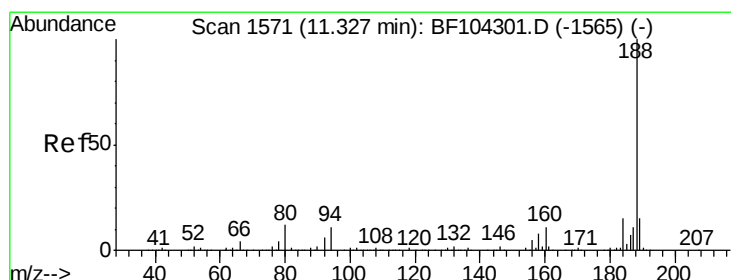
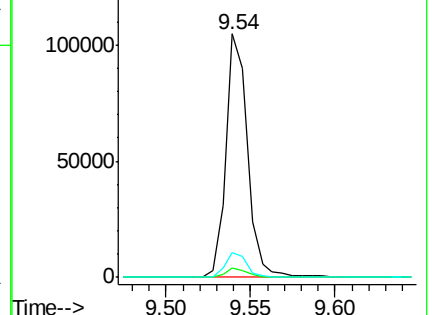
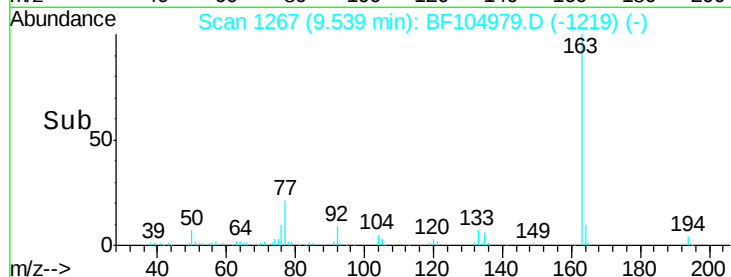
164 10.3 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

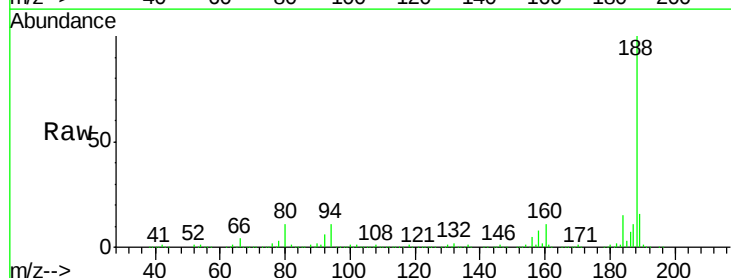
Tgt Ion:188 Resp: 327423

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

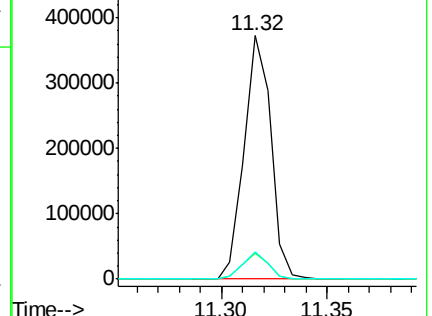
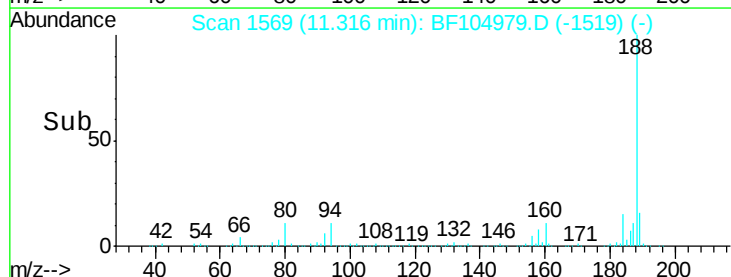
80 11.0 9.2 13.8

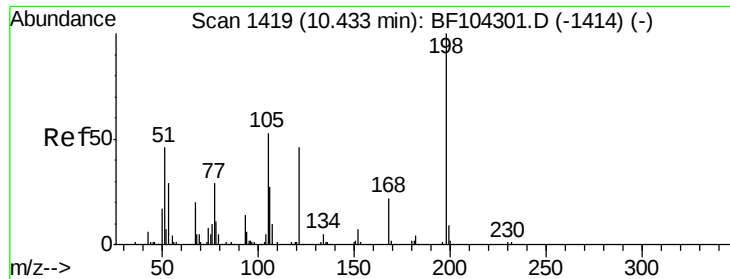


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

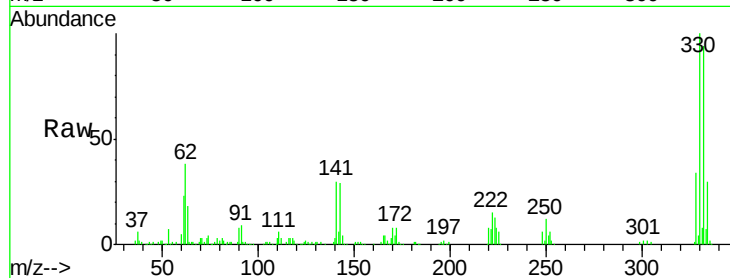




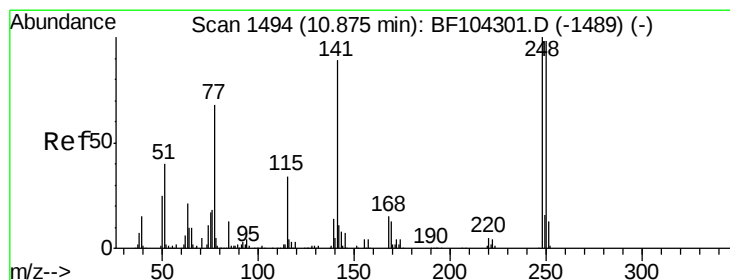
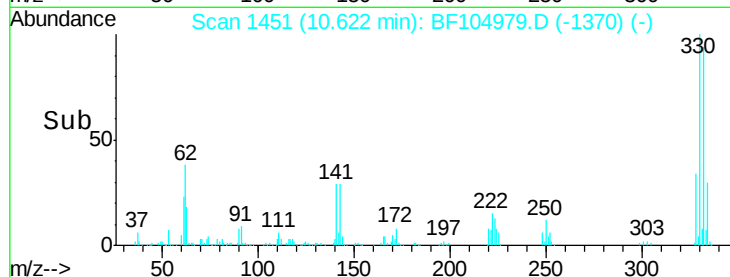
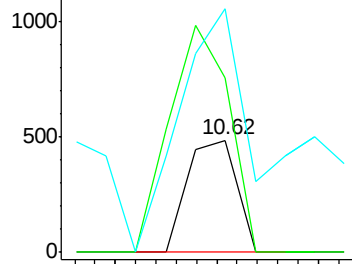
#64
4,6-Dinitro-2-methylphenol
Concen: 7.521 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.18 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 327
Ion Ratio Lower Upper
198 100
51 156.1 37.7 77.7#
105 218.0 36.3 76.3#

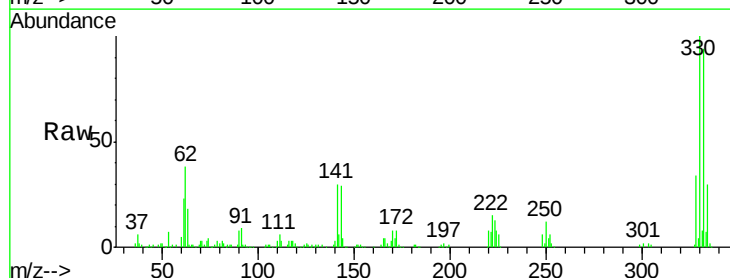


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

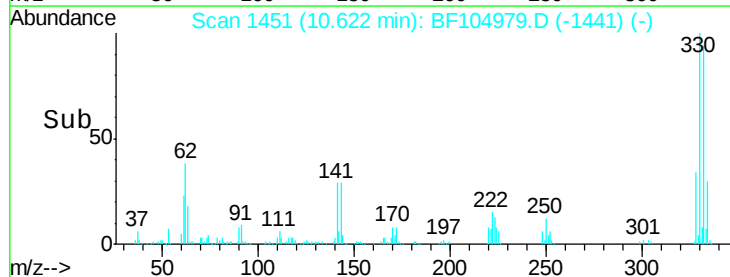
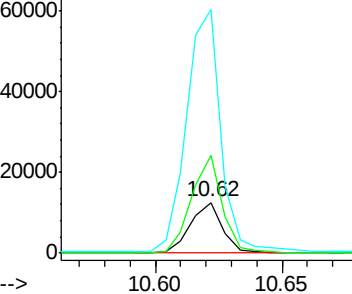


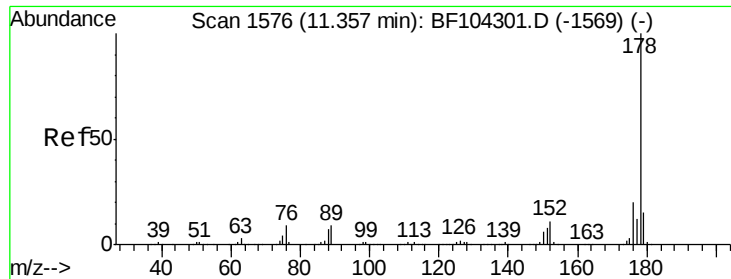
#66
4-Bromophenyl-phenylether
Concen: 3.169 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion:248 Resp: 11036
Ion Ratio Lower Upper
248 100
250 191.0 76.9 115.3#
141 477.8 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

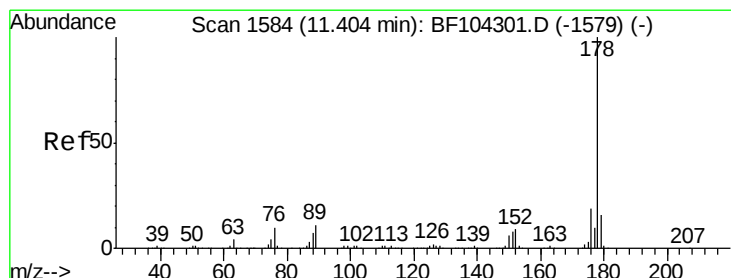
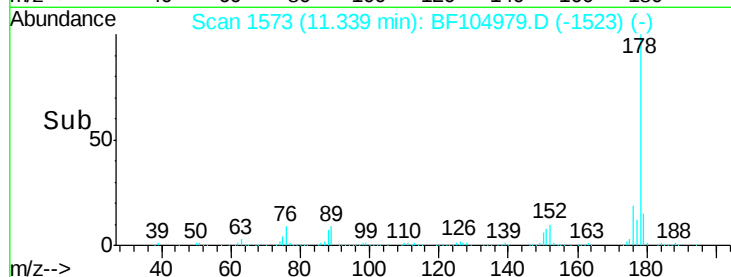
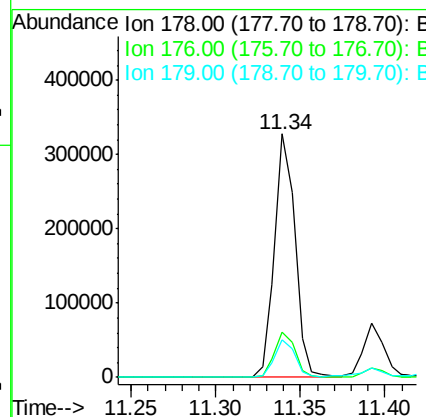
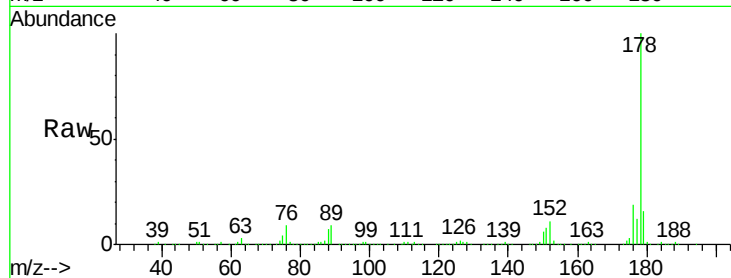




#70
Phenanthrene
Concen: 15.186 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

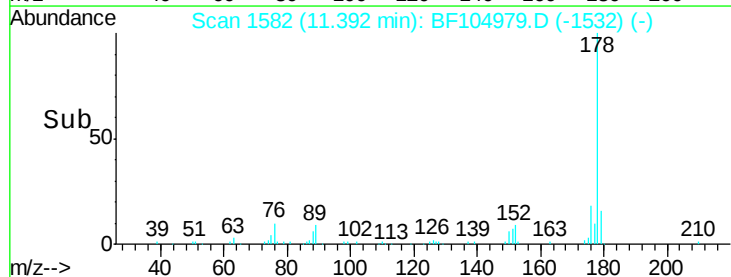
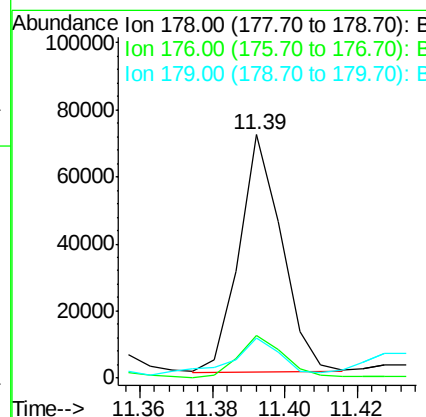
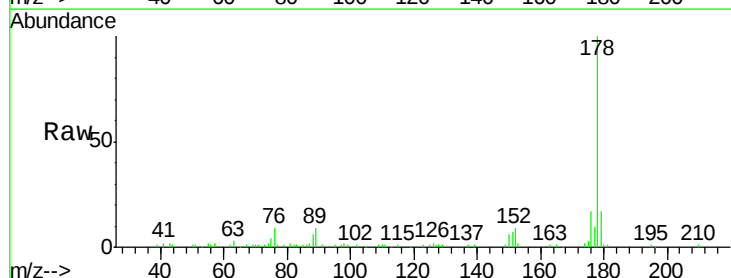
Instrument :
BNA_F
ClientSampleId :

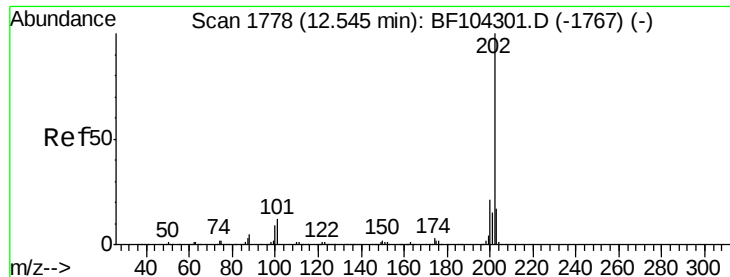
Tot Ion:178 Resp: 276908
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 3.108 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion:178 Resp: 57612
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 16.5 12.6 19.0





#74

Fluoranthene

Concen: 24.909 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

ClientSampleId :

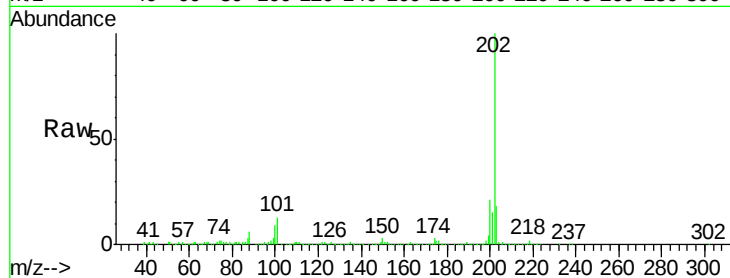
Tot Ion:202 Resp: 474549

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

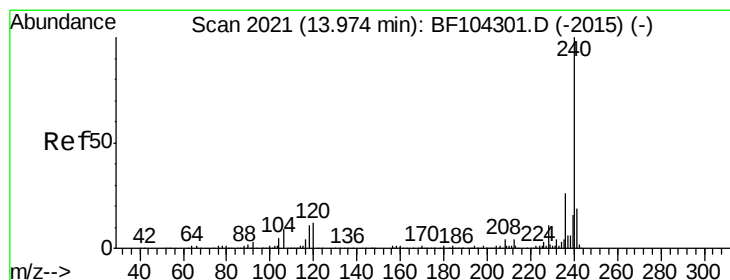
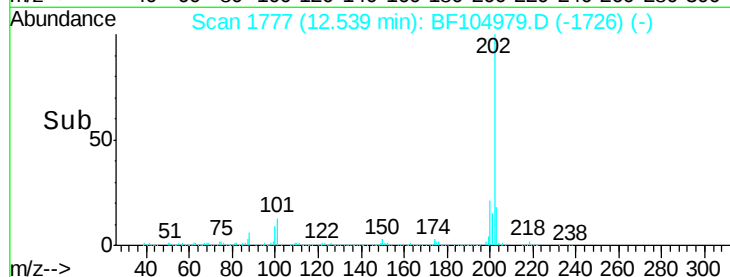
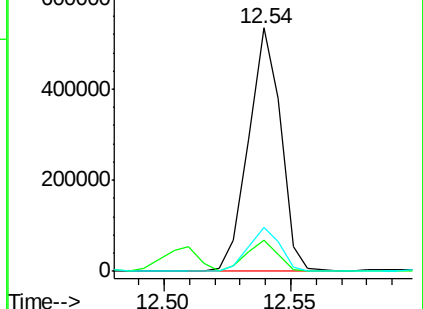
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

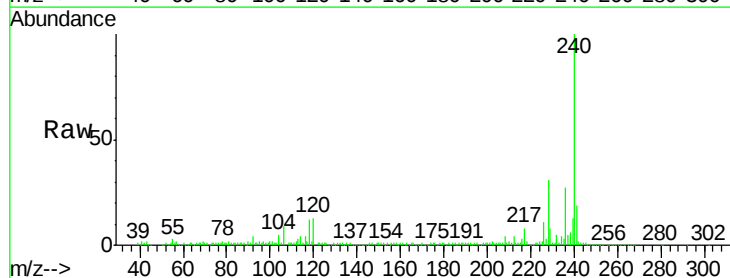
Tgt Ion:240 Resp: 214841

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

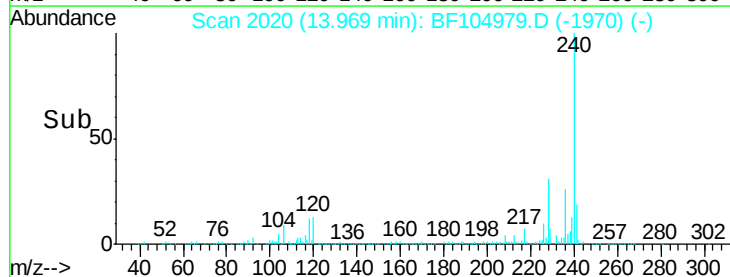
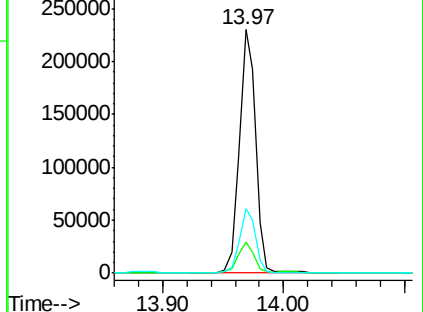
236 26.6 20.7 31.1

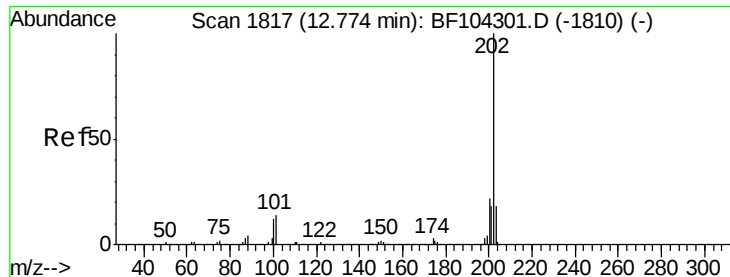


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

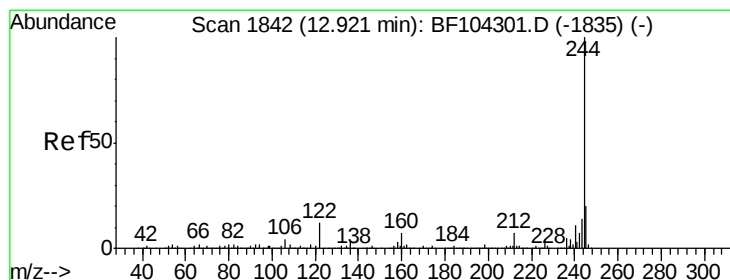
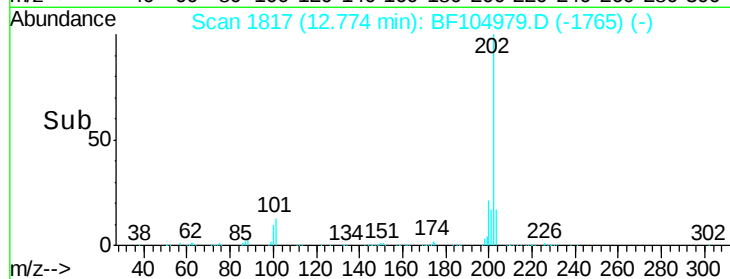
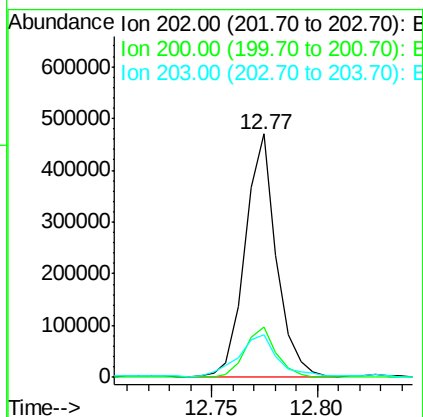
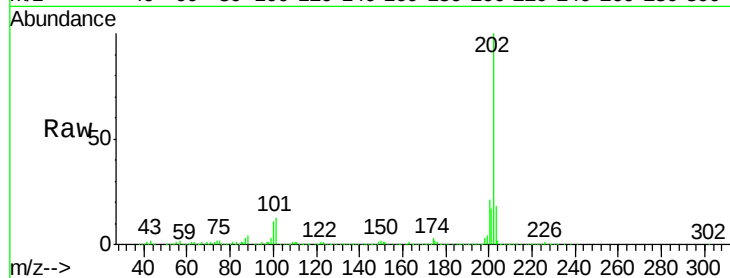




#77
Pvrene
Concen: 30.091 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

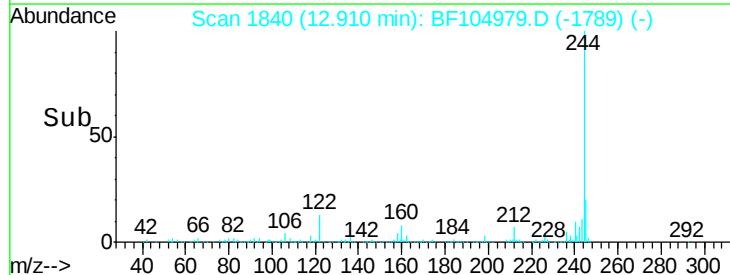
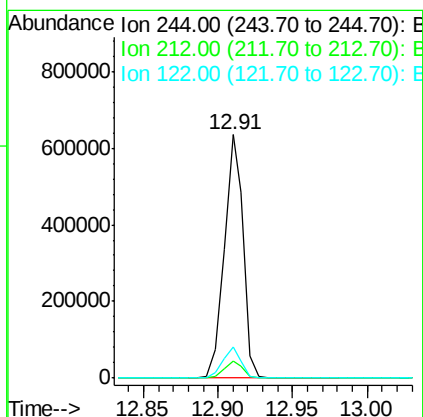
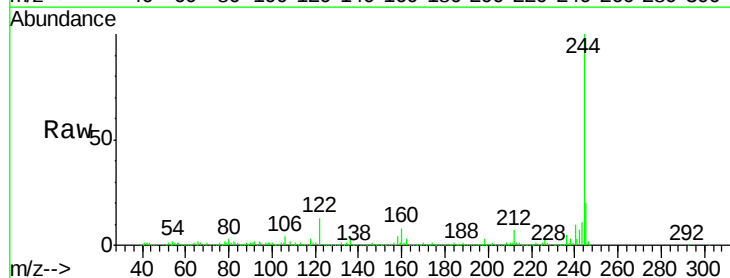
Instrument :
BNA_F
ClientSampleId :

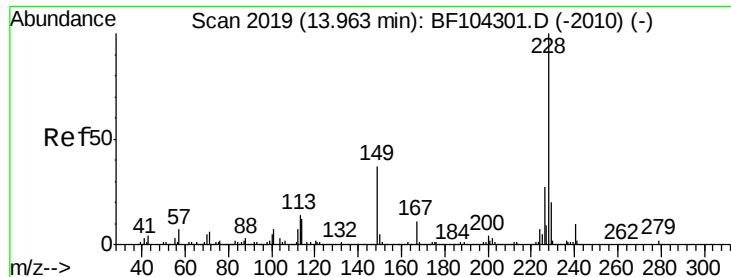
Tot Ion:202 Resp: 479186
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.8 14.3 21.5



#78
Terphenyl-d14
Concen: 60.101 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion:244 Resp: 566368
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 12.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 16.795 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

ClientSampleId :

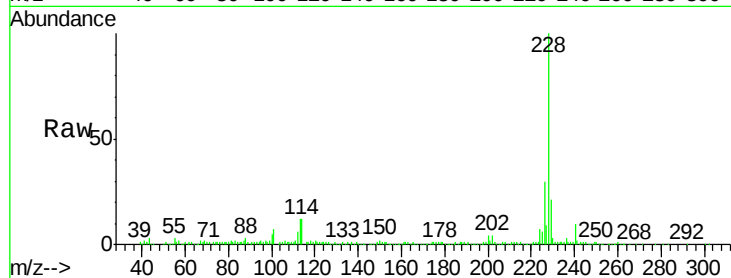
Tot Ion:228 Resp: 215559

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

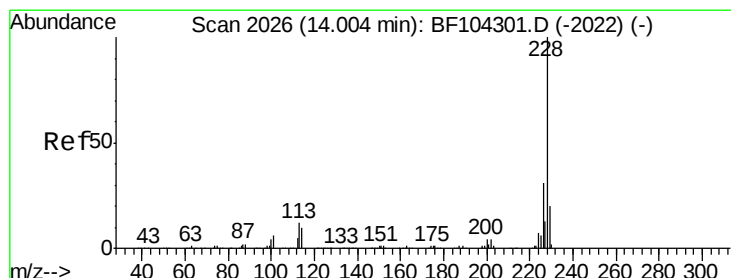
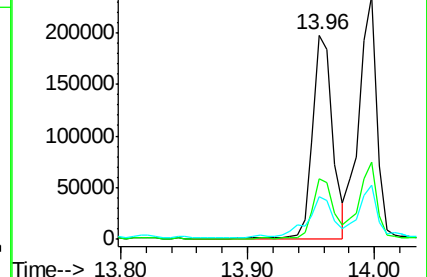
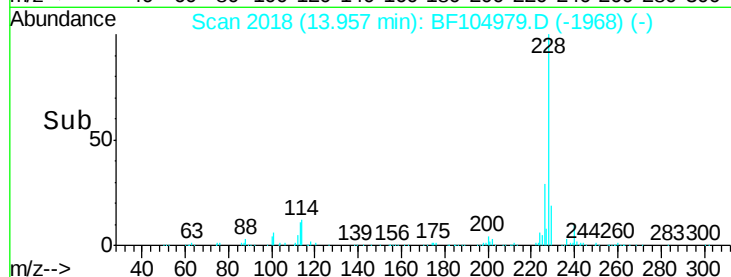
229 20.7 15.8 23.6



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: 17.375 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

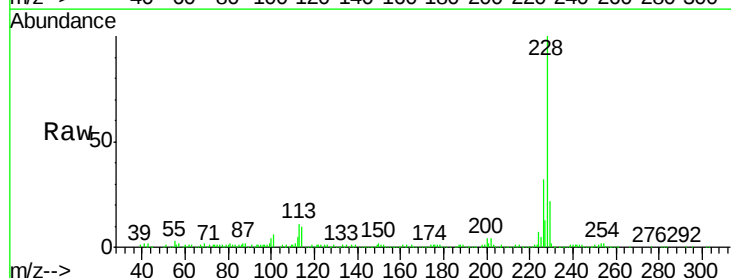
Tgt Ion:228 Resp: 229062

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

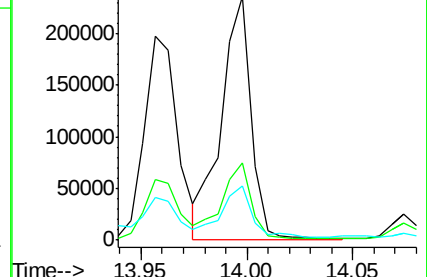
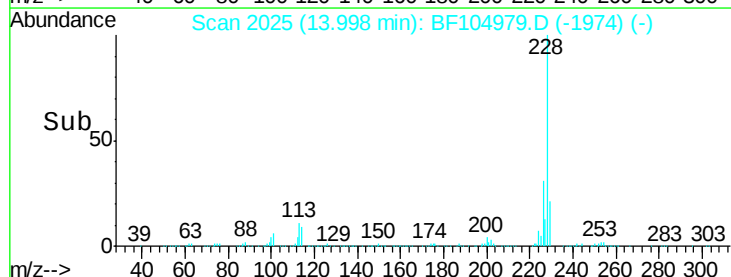
229 22.5 16.2 24.4

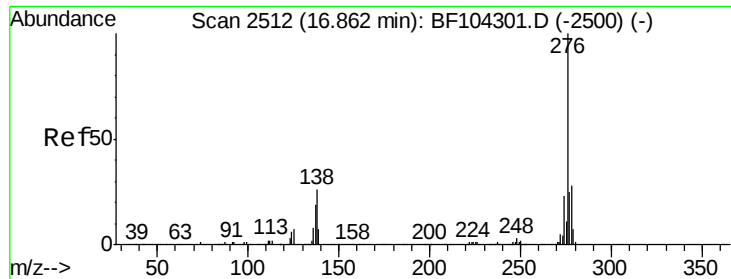


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

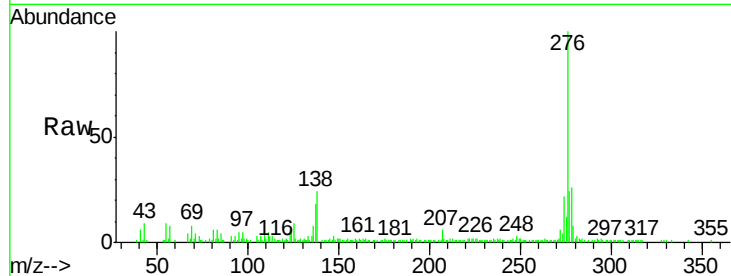




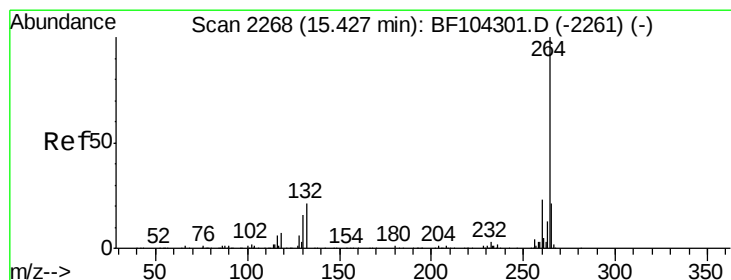
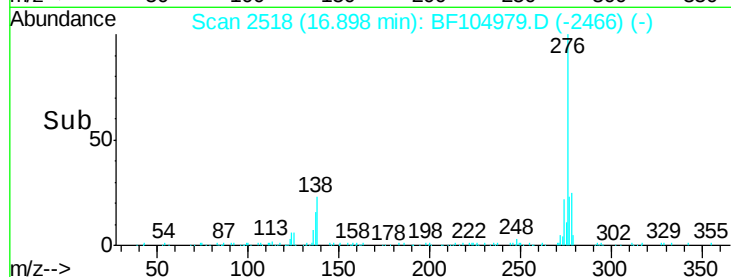
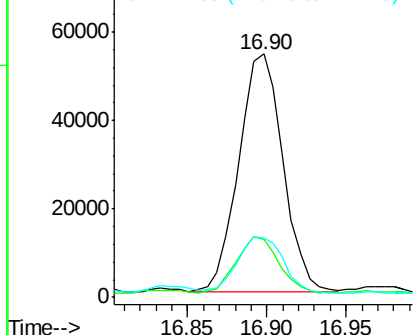
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.268 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	24.8	20.1	30.1

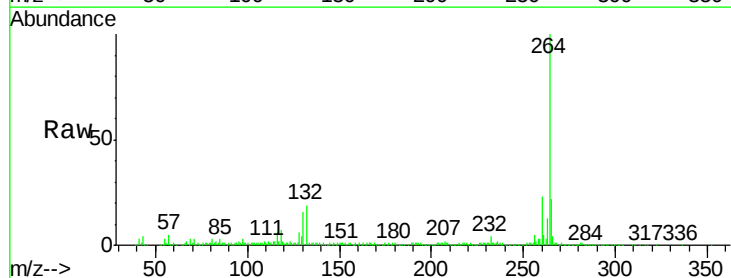


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

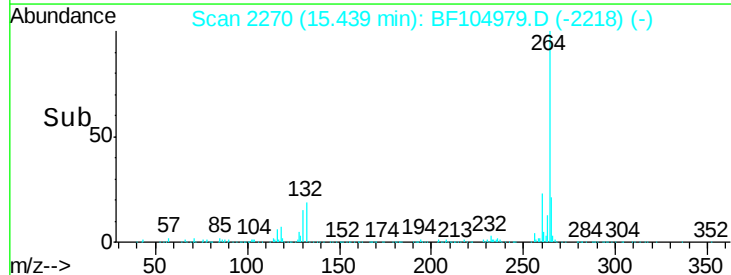
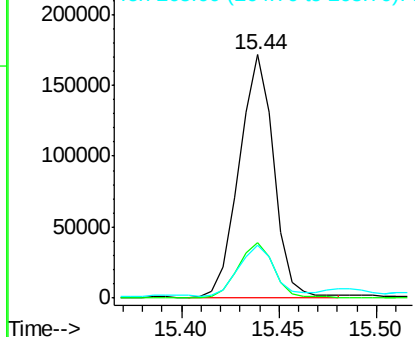


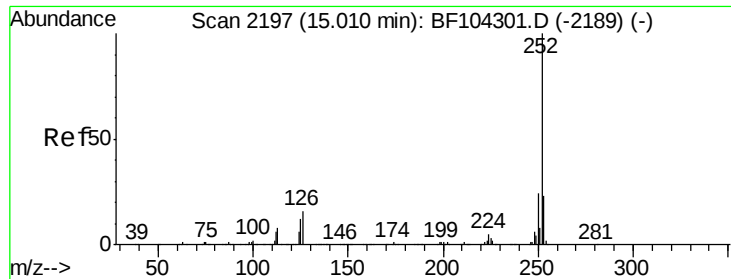
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	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

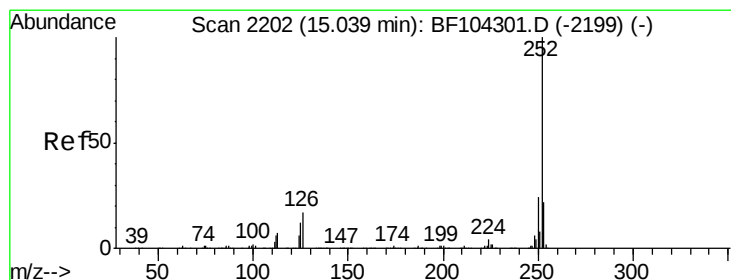
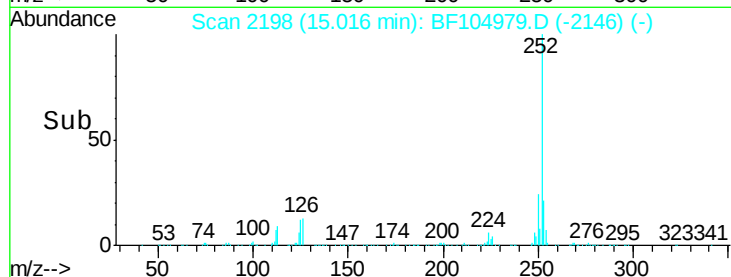
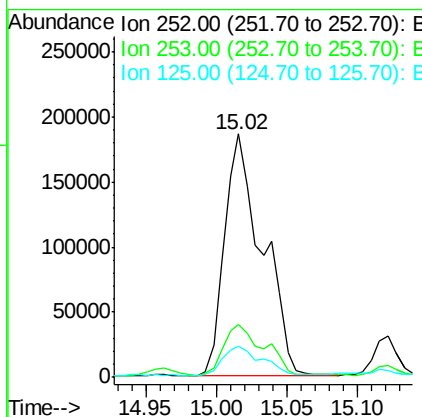
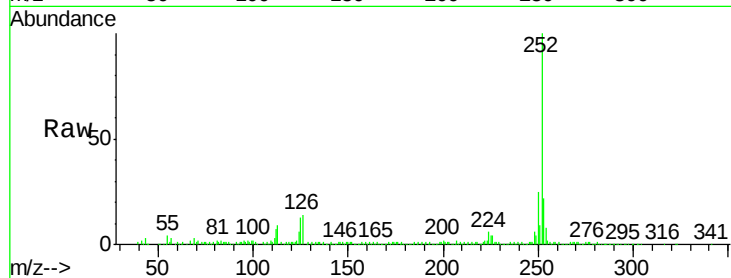




#87
Benzo(b)fluoranthene
Concen: 26.362 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

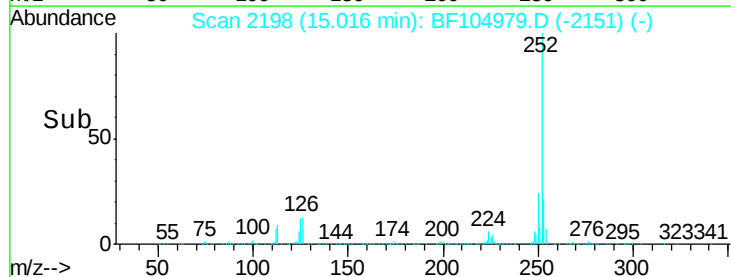
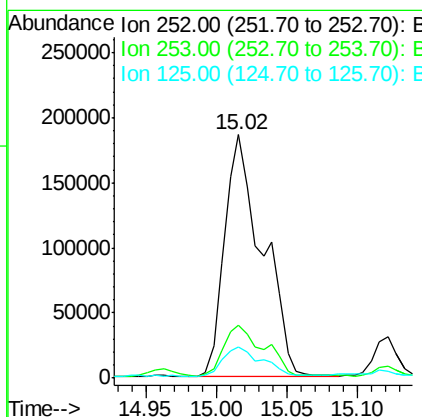
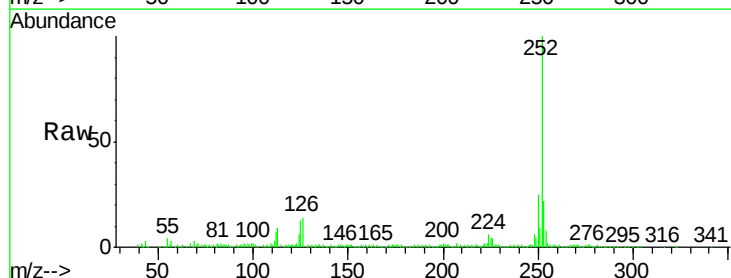
Instrument :
BNA_F
ClientSampleId :

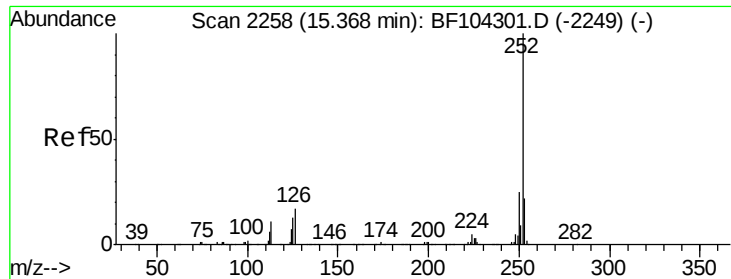
Tot Ion:252 Resp: 349968
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 12.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 27.923 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104979.D
Acq: 1 May 2018 13:15

Tgt Ion:252 Resp: 349968
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 12.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 16.065 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

Instrument :

BNA_F

ClientSampleId :

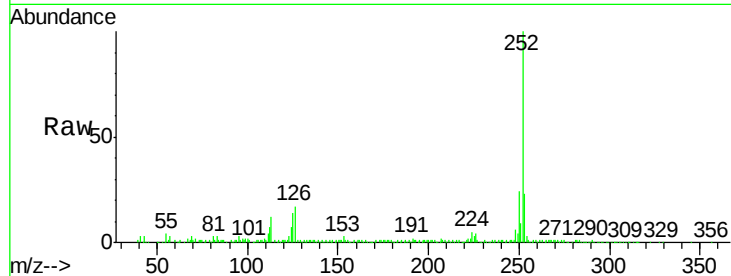
Tot Ion:252 Resp: 190830

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

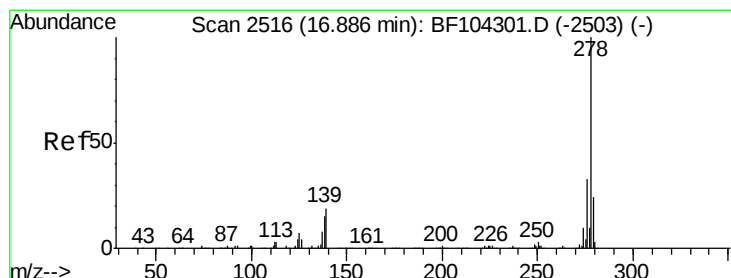
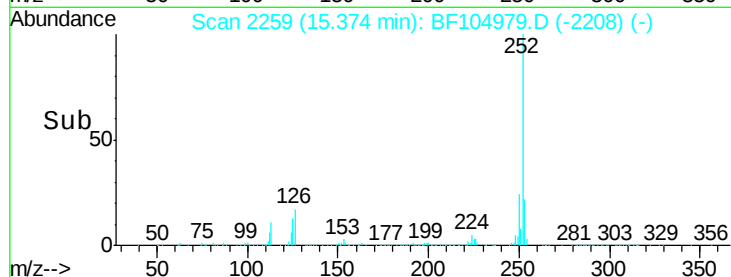
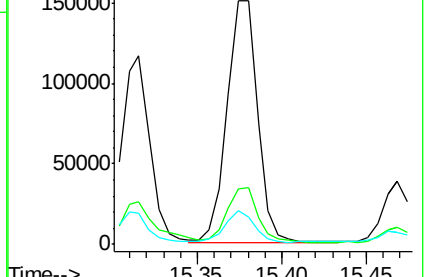
125 13.7 9.8 14.6



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: 3.140 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF104979.D

Acq: 1 May 2018 13:15

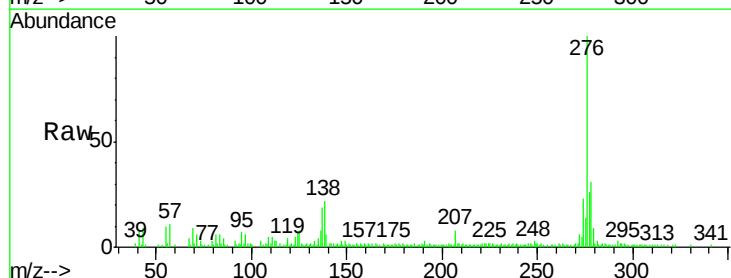
Tgt Ion:278 Resp: 30630

Ion Ratio Lower Upper

278 100

139 20.4 15.9 23.9

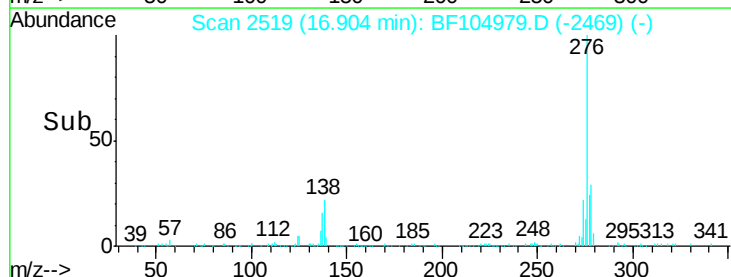
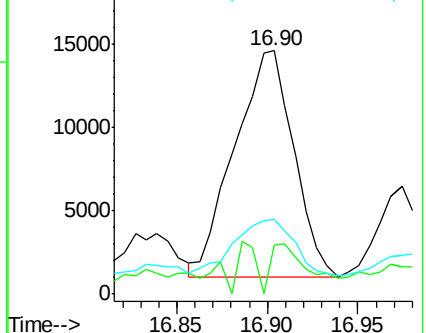
279 30.7 19.0 28.4#

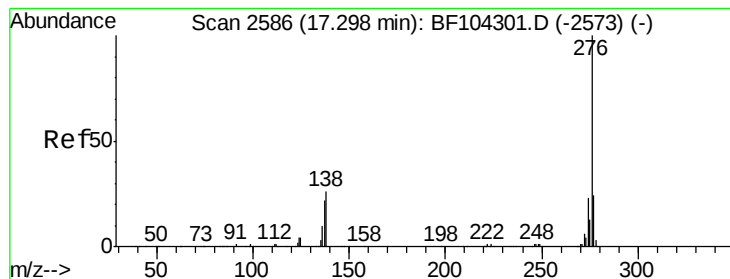


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

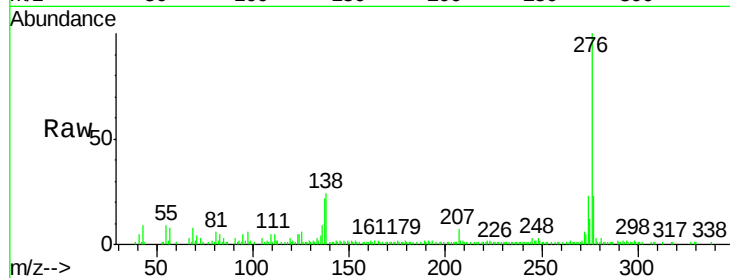




#91
 Benzo(a,h,i)perylene
 Concen: 10.811 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. 0.00 min
 Lab File: BF104979.D
 Acq: 1 May 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	24.0	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

