

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105022.D
 Acq On : 2 May 2018 11:24
 Operator : JU/SJ
 Sample : J2157-13 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

Quant Time: May 03 04:19:44 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93464	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	391889	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	178914	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	303209	20.00	ng	0.00
75) Chrysene-d12	14.02	240	177633	20.00	ng	-0.01
86) Perylene-d12	15.56	264	205536	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	294734	48.22	ng	-0.01
7) Phenol-d6	6.42	99	372728	49.63	ng	-0.02
23) Nitrobenzene-d5	7.35	82	220839	36.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	95701	51.57	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	460882	40.69	ng	-0.01
78) Terphenyl-d14	12.91	244	367515	47.17	ng	0.00

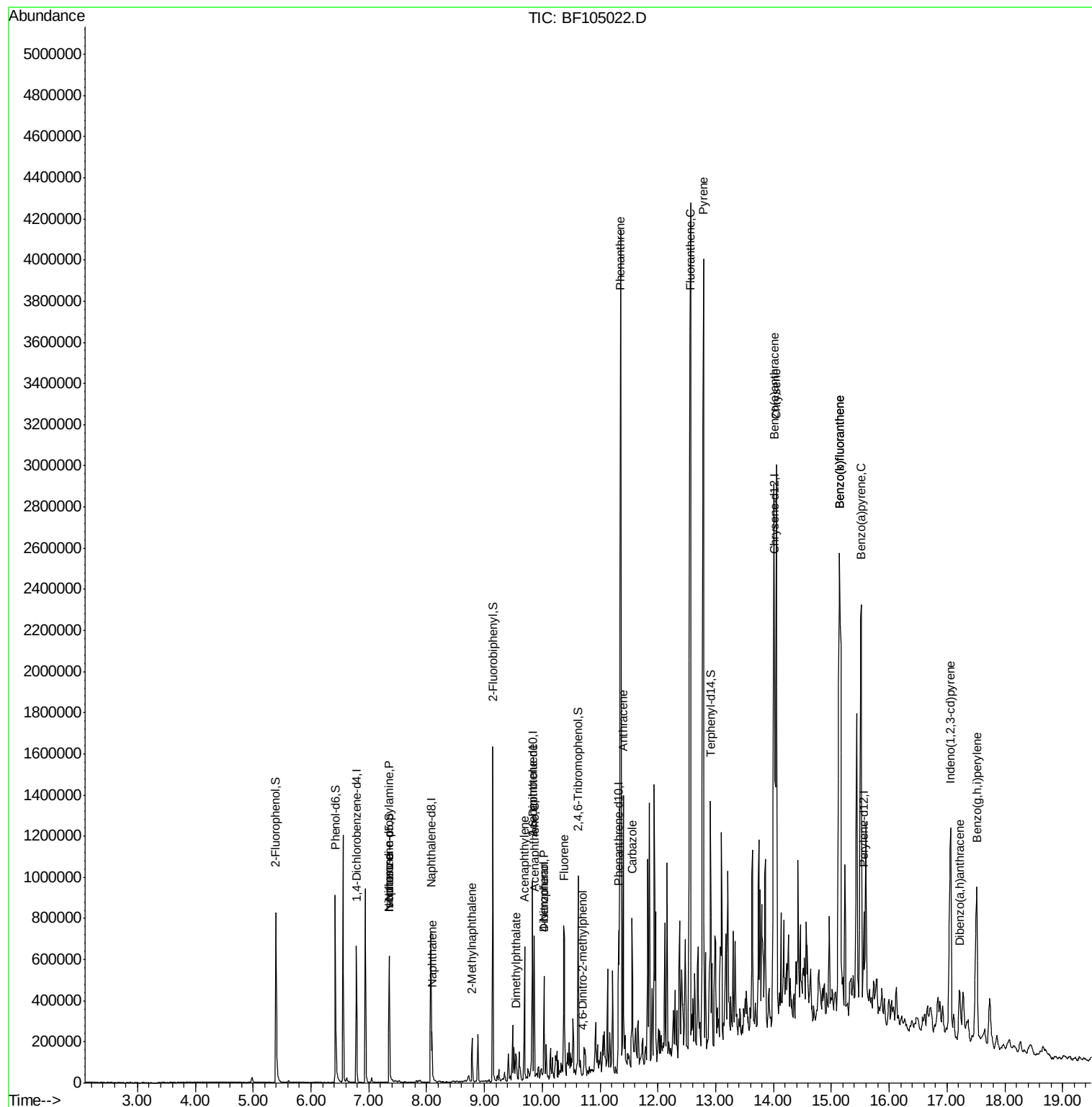
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	6535	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.35	70	28143	5.734 ng	#	74
25) Isophorone	7.35	82	220836	17.401 ng	#	64
31) Naphthalene	8.09	128	100482	5.149 ng		99
37) 2-Methylnaphthalene	8.79	142	57937	4.590 ng		99
48) Acenaphthylene	9.69	152	274815	14.754 ng		99
49) Dimethylphthalate	9.55	163	39400	2.793 ng		100
50) 2,6-Dinitrotoluene	9.83	165	28694	10.991 ng	#	26
51) Acenaphthene	9.86	154	149669	13.170 ng		99
54) Dibenzofuran	10.03	168	152868	9.652 ng		98
55) 4-Nitrophenol	10.03	139	61091	25.446 ng	#	10
57) Fluorene	10.37	166	214917	18.643 ng		96
64) 4,6-Dinitro-2-methylphenol	10.69	198	157	7.437 ng	#	32
70) Phenanthrene	11.36	178	2169435	128.479 ng		99
71) Anthracene	11.40	178	531332	30.956 ng		98
72) Carbazole	11.56	167	251592	15.000 ng		99
74) Fluoranthene	12.56	202	2660290	150.792 ng		98
76) Benzidine	12.65	184	1515	Below Cal	#	1
77) Pyrene	12.79	202	2189947	166.324 ng		99
80) Benzo(a)anthracene	14.01	228	1327180	125.064 ng		94
82) Chrysene	14.05	228	1188042	108.993 ng		98
85) Indeno(1,2,3-cd)pyrene	17.06	276	768160	82.959 ng	#	92
87) Benzo(b)fluoranthene	15.14	252	2265905	174.551 ng		96
88) Benzo(k)fluoranthene	15.14	252	2265905	184.889 ng		99
89) Benzo(a)pyrene	15.51	252	1193367	102.743 ng		95
90) Dibenzo(a,h)anthracene	17.22	278	164136	17.206 ng		97
91) Benzo(g,h,i)perylene	17.52	276	672870	72.805 ng		94

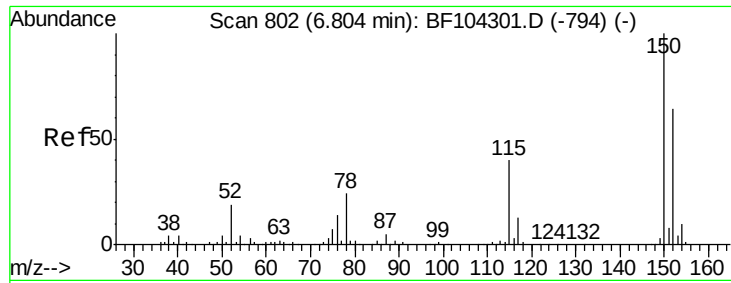
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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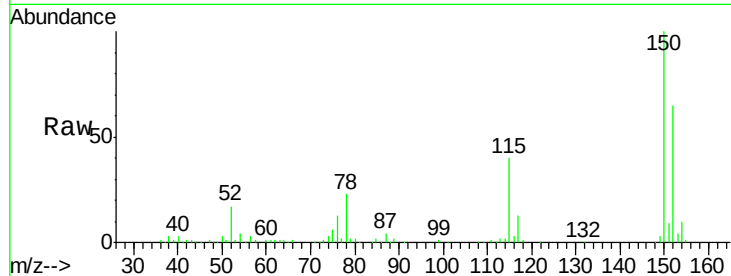


#1

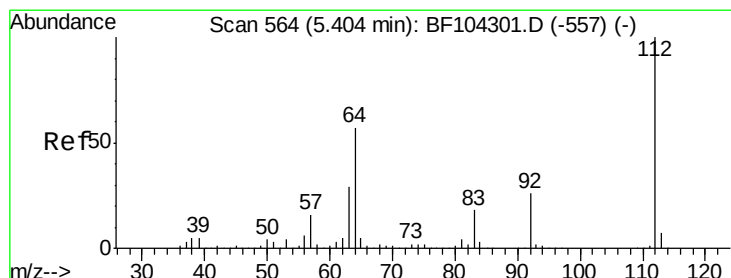
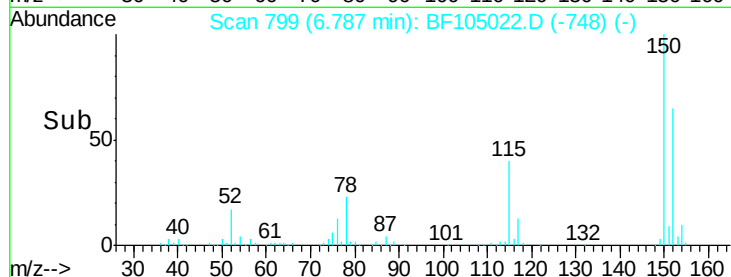
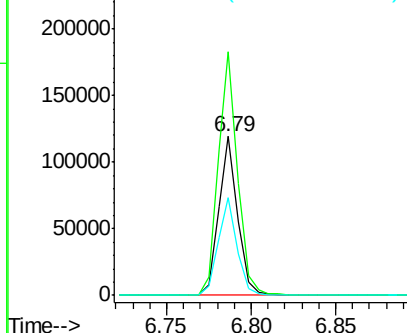
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-A

Tgt Ion:152 Resp: 93464
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 61.3 50.1 75.1



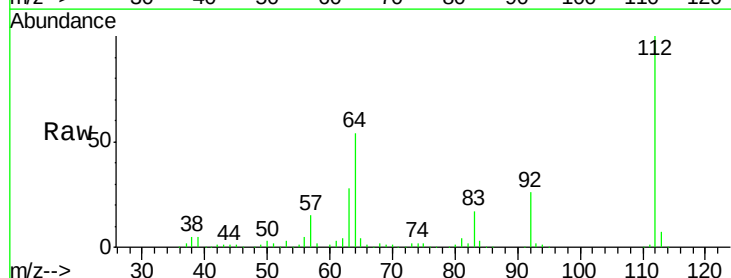
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



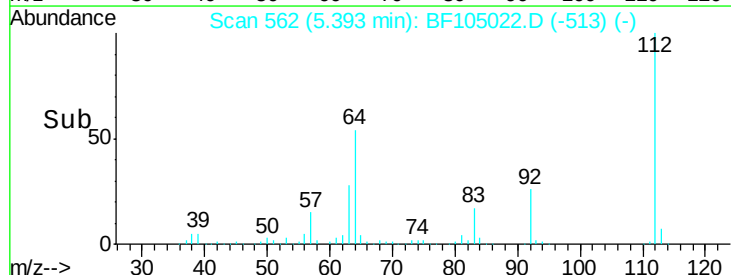
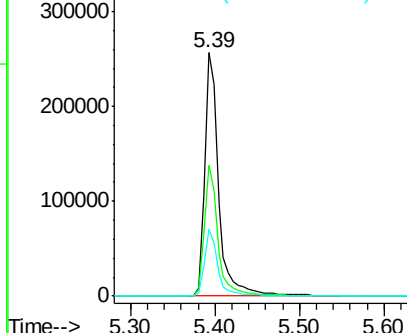
#5

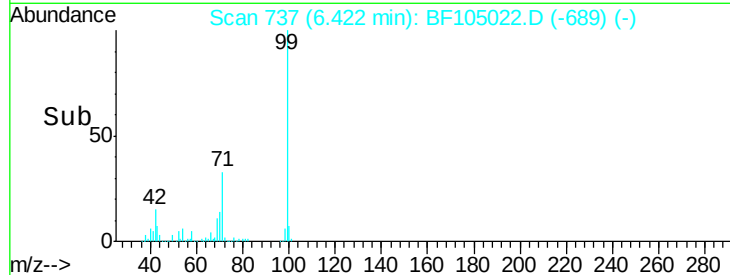
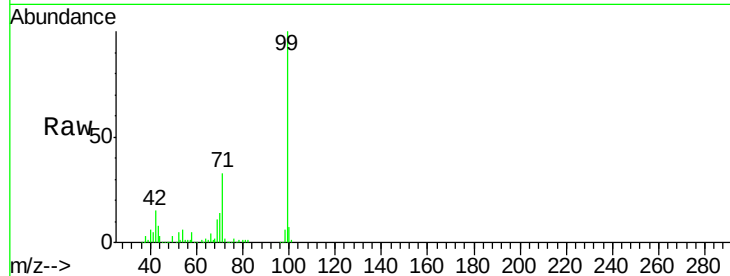
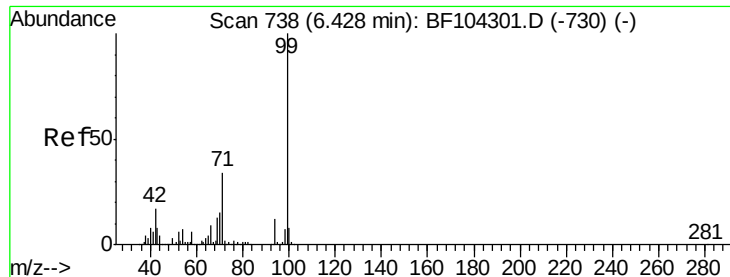
2-Fluorophenol
Concen: 48.218 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Tgt Ion:112 Resp: 294734
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.7 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: 49.629 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

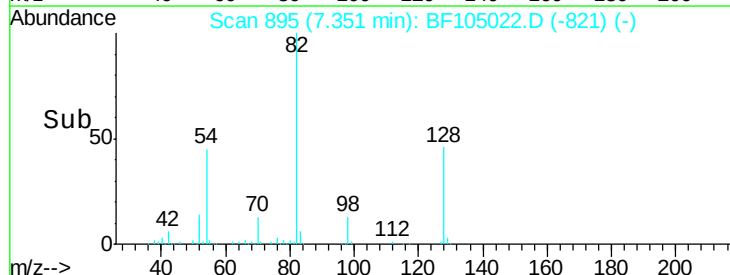
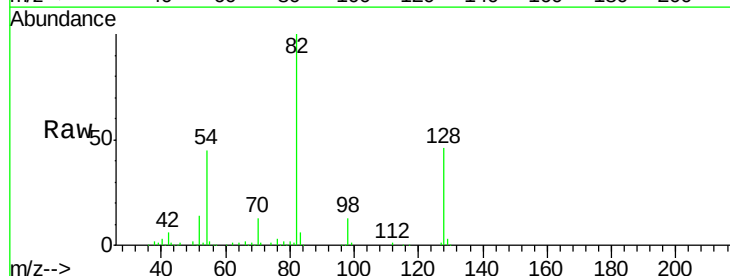
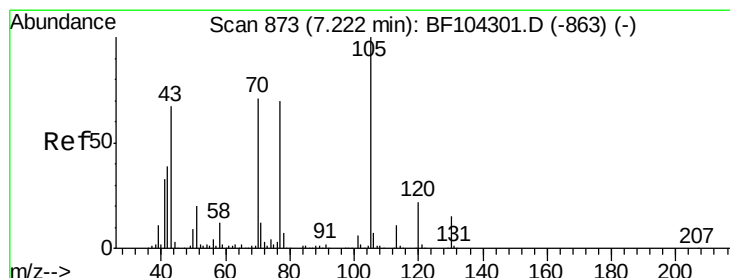
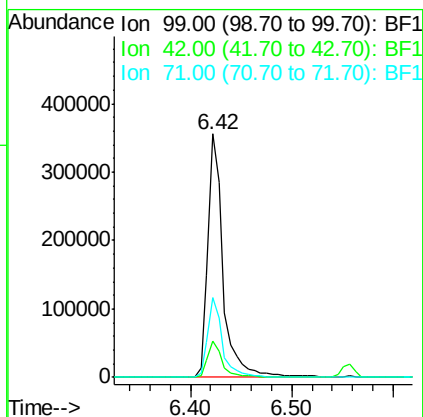
Tgt Ion: 99 Resp: 372728

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.734 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Tgt Ion: 70 Resp: 28143

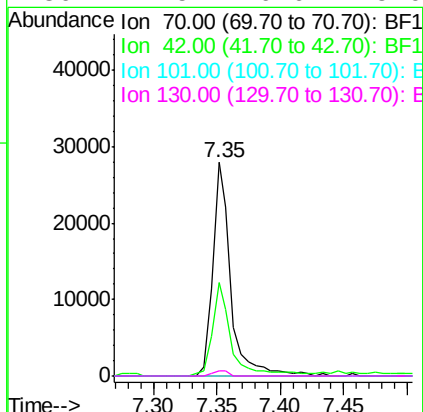
Ion Ratio Lower Upper

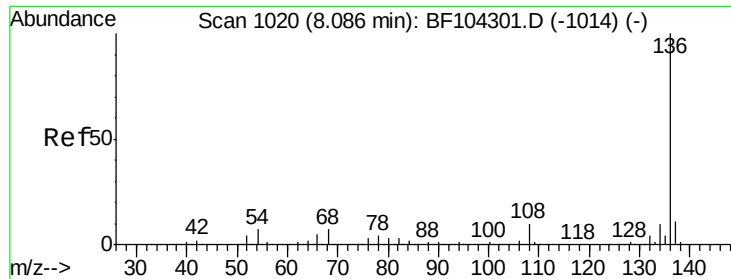
70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

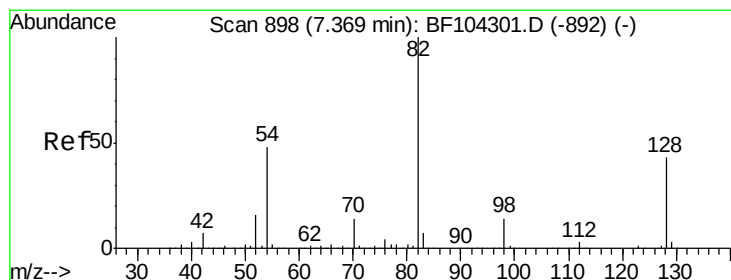
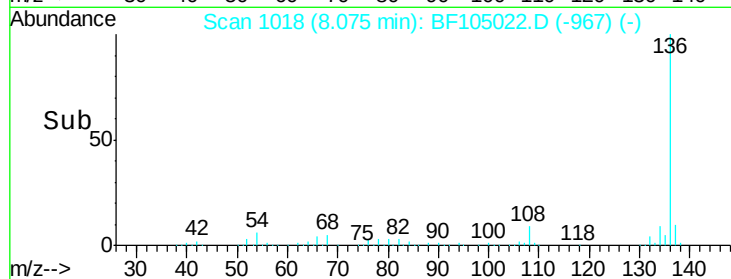
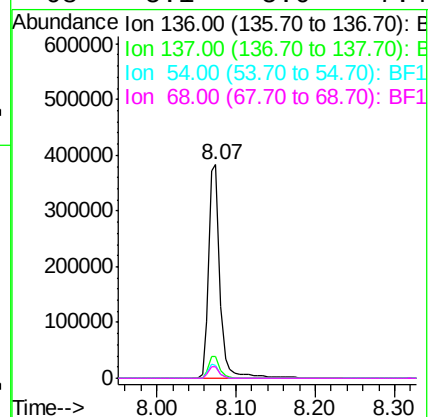
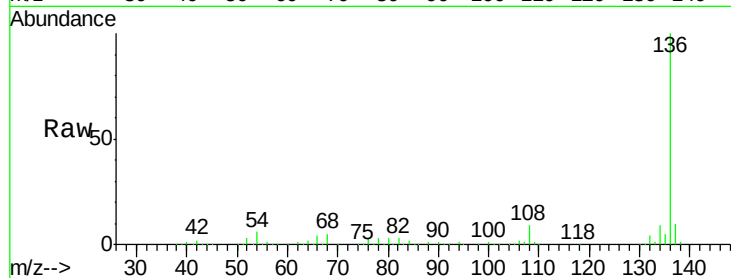




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

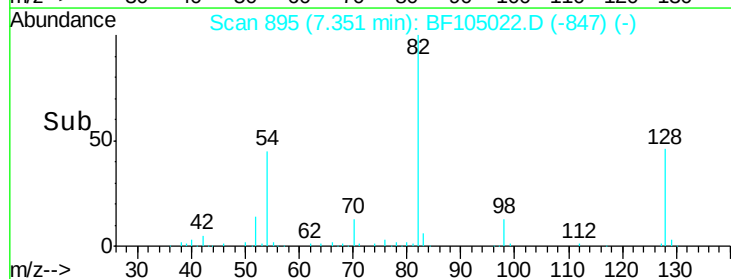
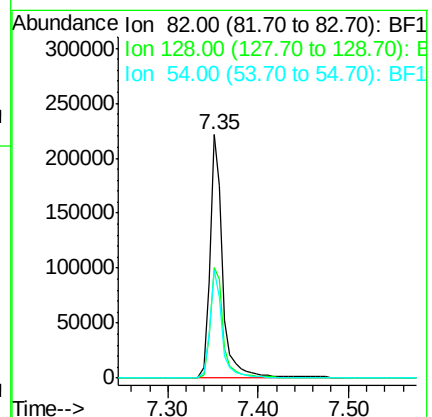
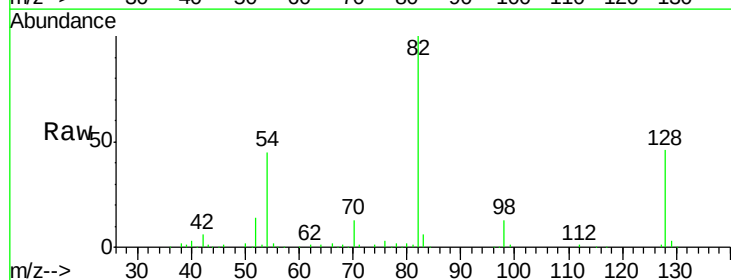
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-A

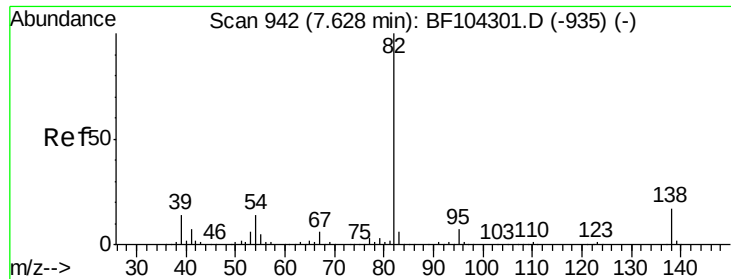
Tgt Ion:	136	Resp:	391889
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	5.8	6.6	9.8#
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 36.797 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Tgt Ion:	82	Resp:	220839
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	44.5	41.4	62.2

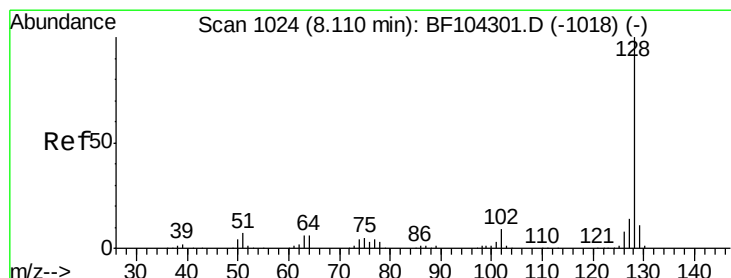
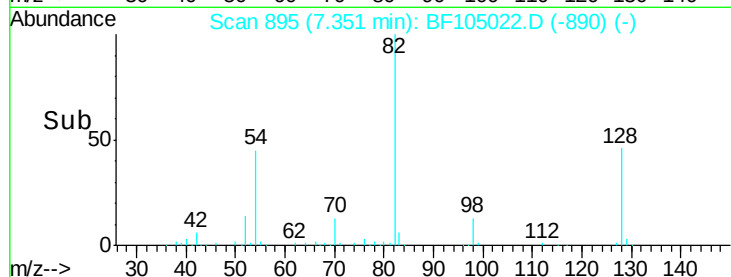
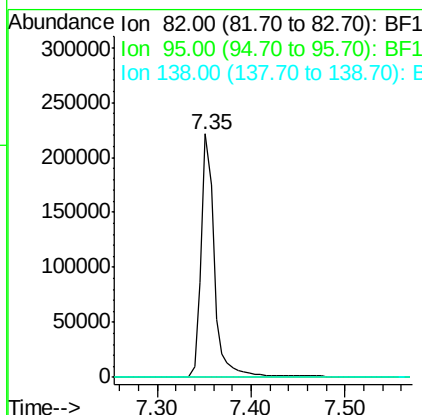
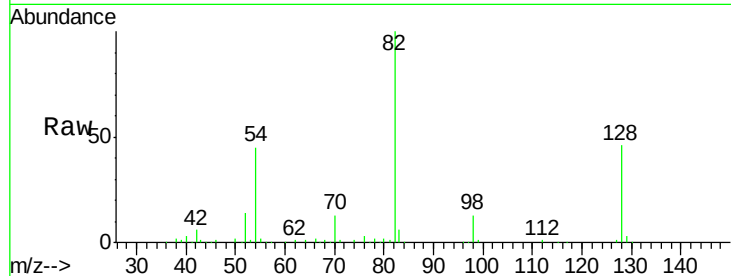




#25
Isophorone
Concen: 17.401 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.27 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

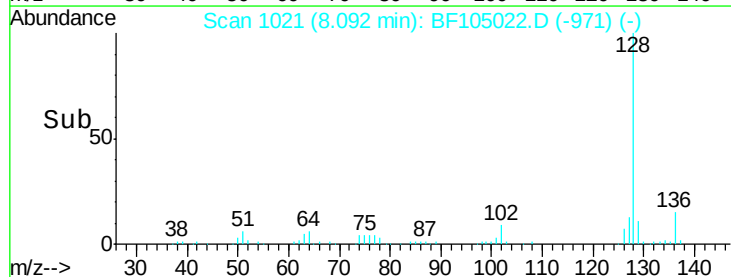
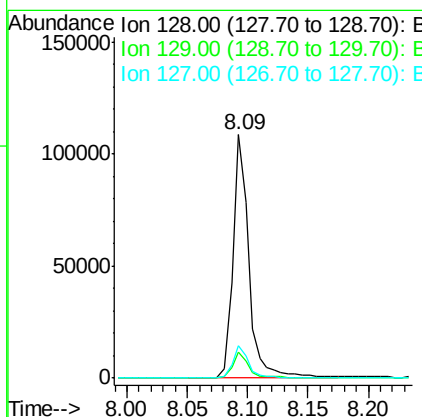
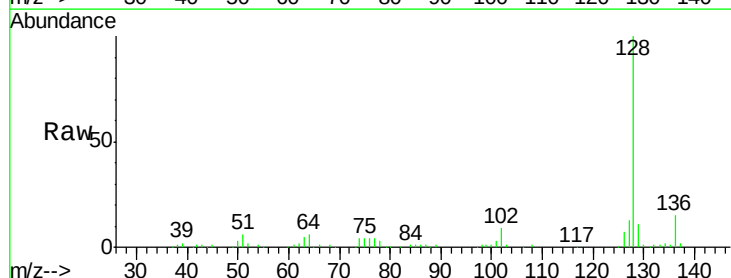
Instrument :
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ClientSampleId :
CL-02-043018-A

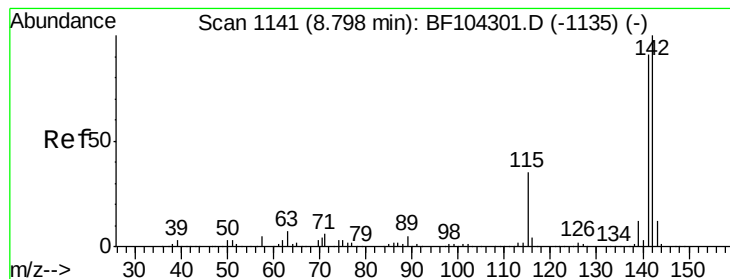
Tgt Ion: 82 Resp: 220836
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 5.149 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Tgt Ion: 128 Resp: 100482
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.9 16.3





#37

2-Methylnaphthalene

Concen: 4.590 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

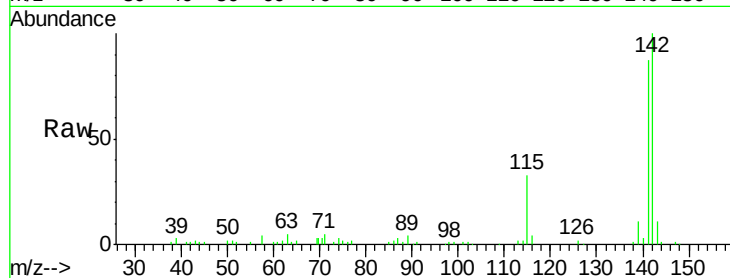
Tgt Ion:142 Resp: 57937

Ion Ratio Lower Upper

142 100

141 86.9 70.8 106.2

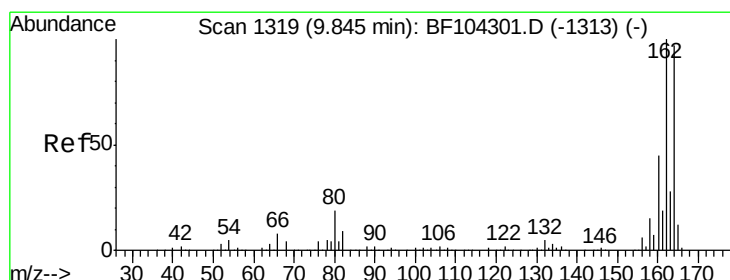
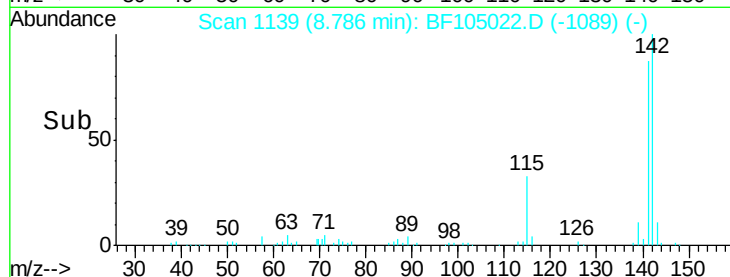
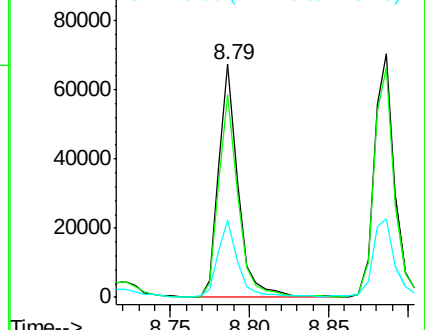
115 33.0 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

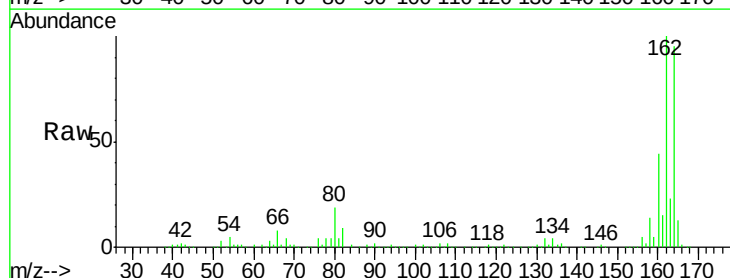
Tgt Ion:164 Resp: 178914

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

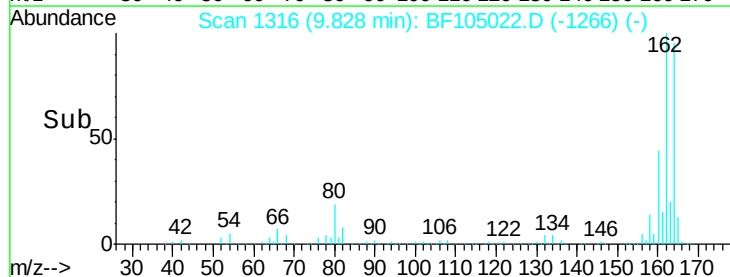
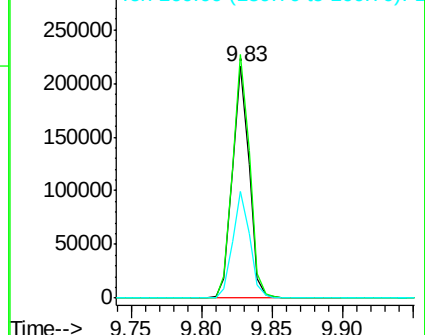
160 46.0 38.3 57.5

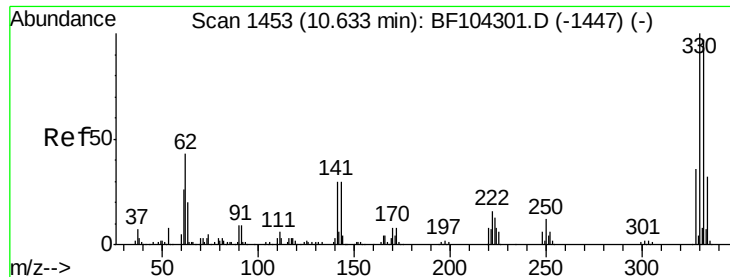


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

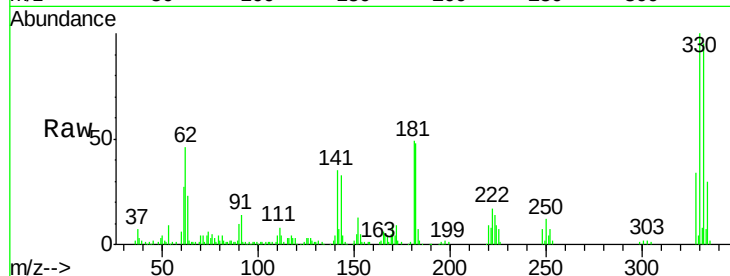




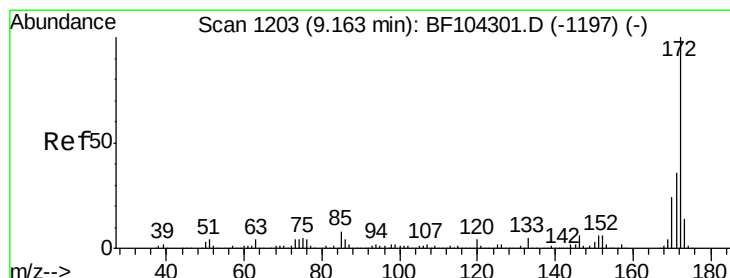
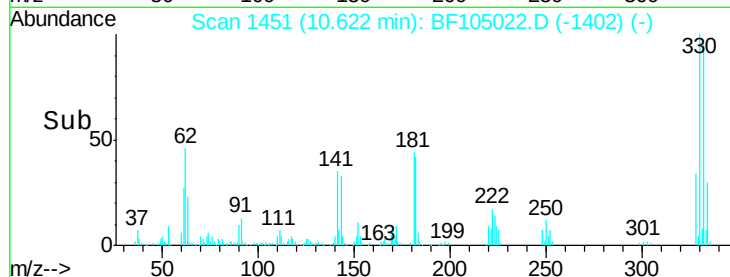
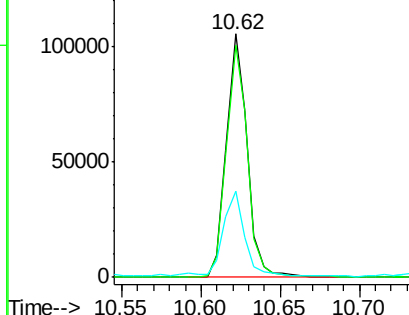
#41
 2,4,6-Tribromophenol
 Concen: 51.565 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Instrument :
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 CL-02-043018-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	37.3	29.9	44.9

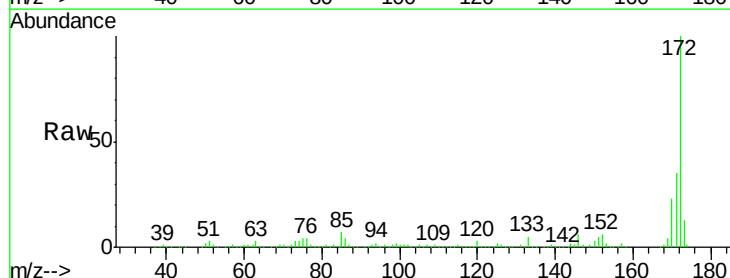


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

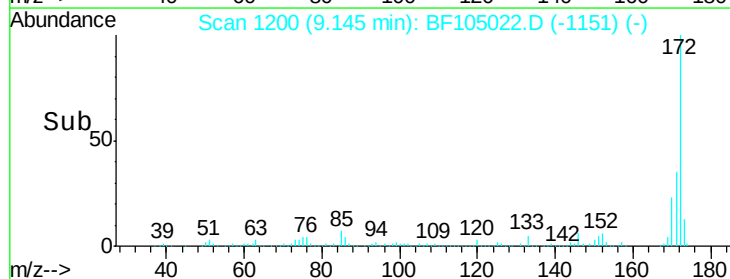
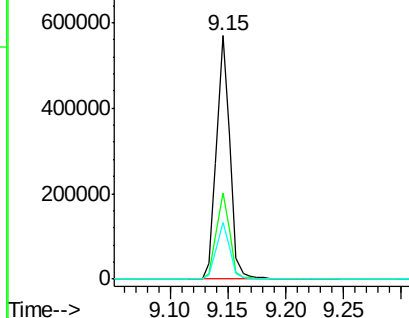


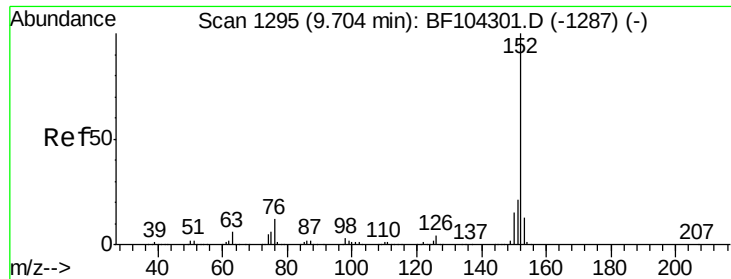
#44
 2-Fluorobiphenyl
 Concen: 40.694 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.4	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: 14.754 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

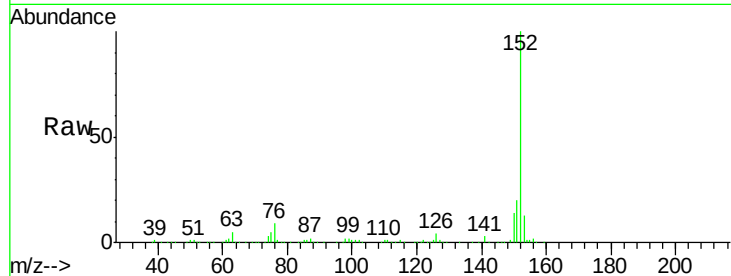
Tgt Ion:152 Resp: 274815

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

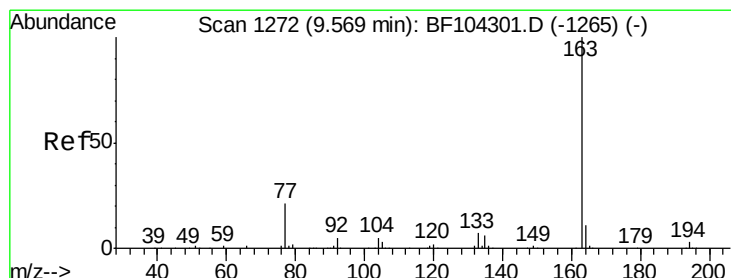
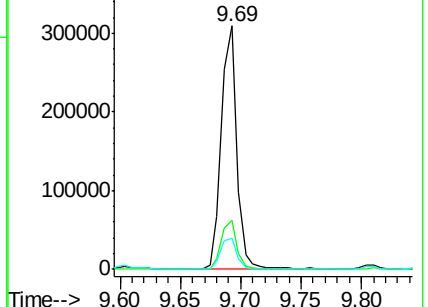
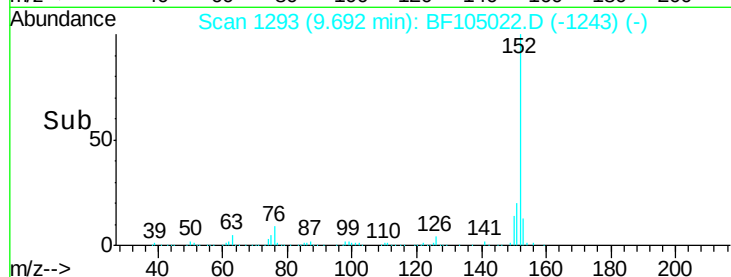
153 13.0 10.7 16.1



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: 2.793 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

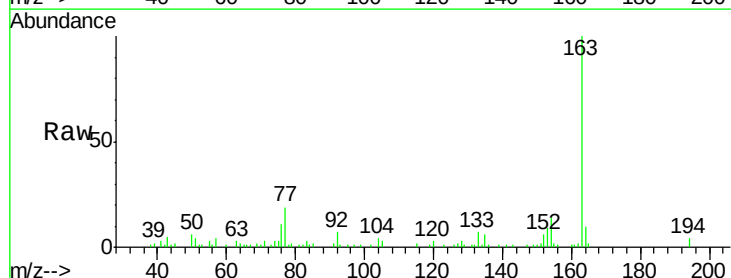
Tgt Ion:163 Resp: 39400

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

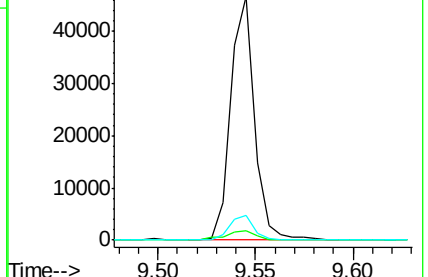
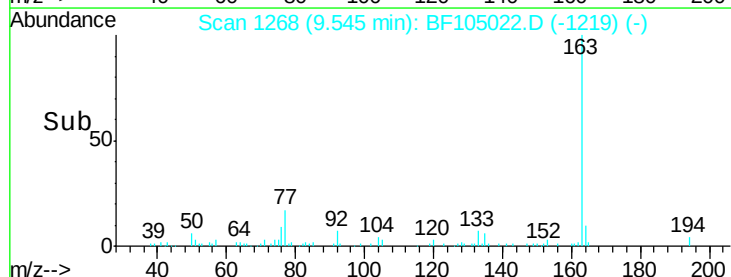
164 10.3 8.2 12.2

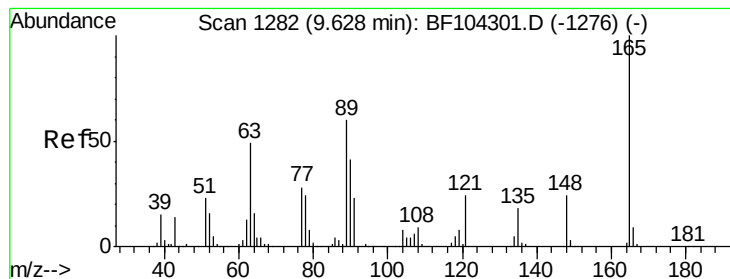


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 10.991 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

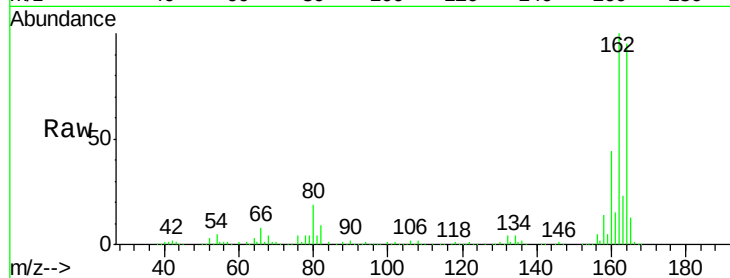
Tgt Ion:165 Resp: 28694

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

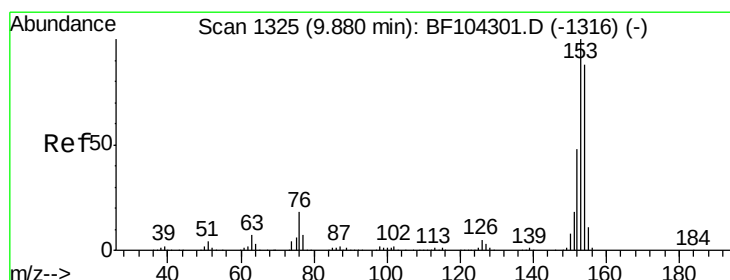
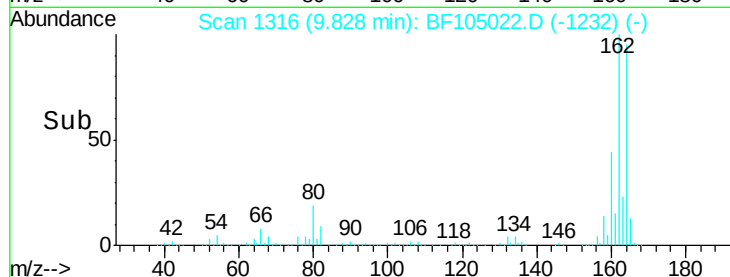
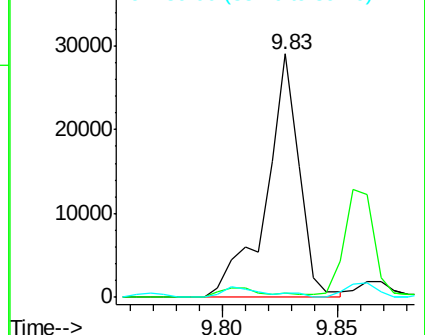
89 1.9 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51

Acenaphthene

Concen: 13.170 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

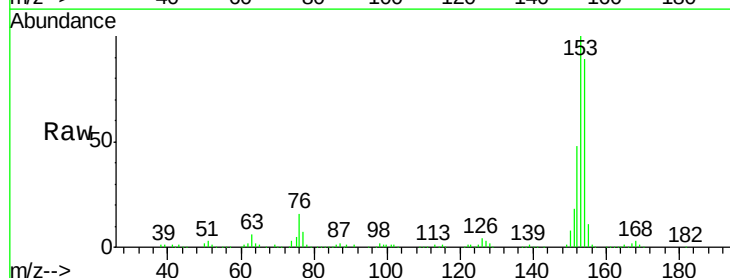
Tgt Ion:154 Resp: 149669

Ion Ratio Lower Upper

154 100

153 112.5 91.2 136.8

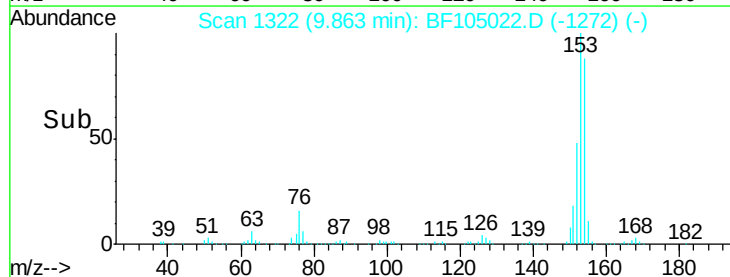
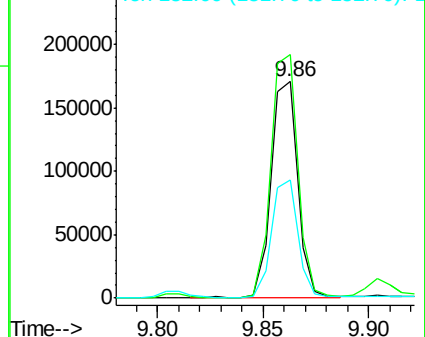
152 54.4 43.8 65.8

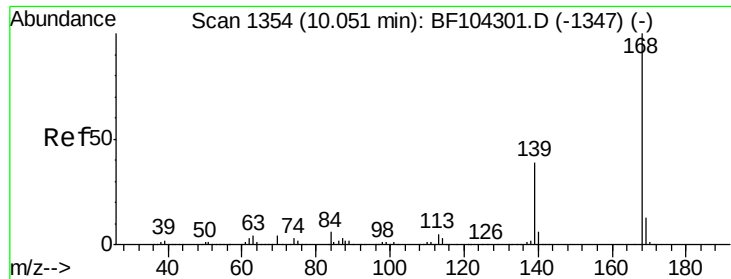


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

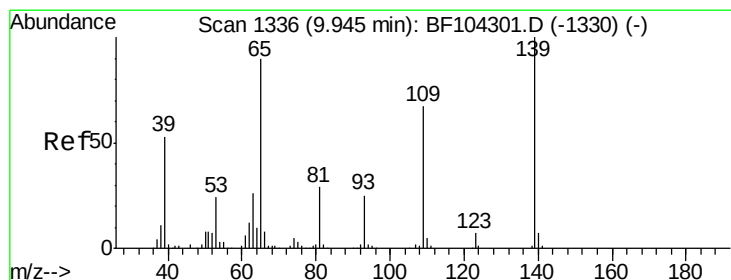
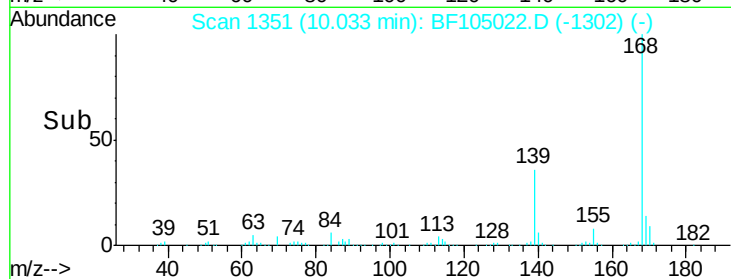
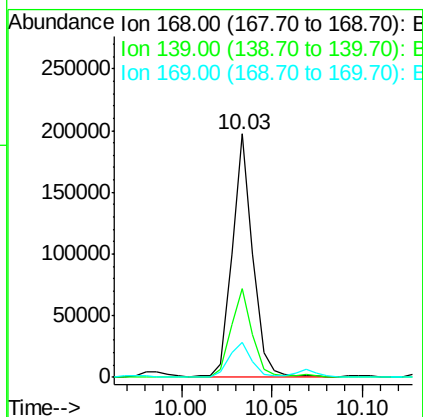
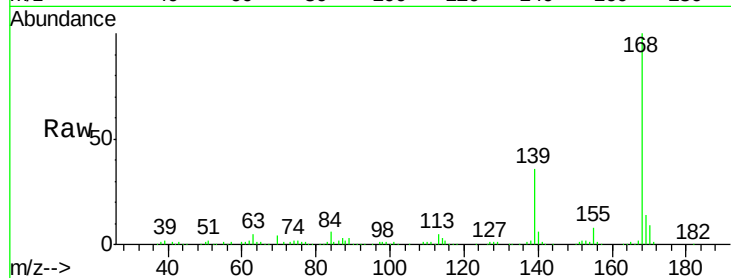




#54
Dibenzofuran
Concen: 9.652 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

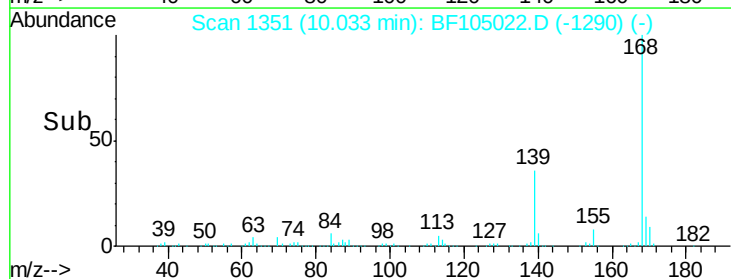
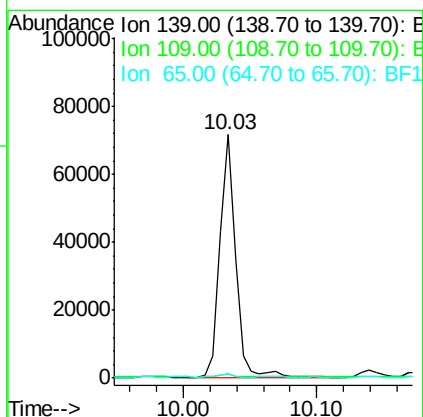
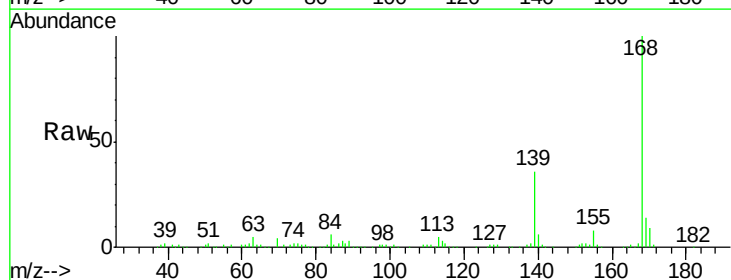
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-A

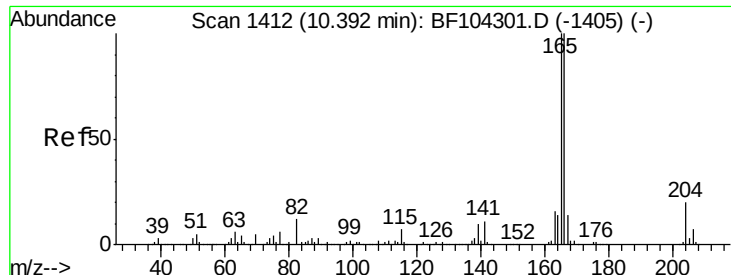
Tgt Ion:168 Resp: 152868
Ion Ratio Lower Upper
168 100
139 36.3 30.1 45.1
169 14.5 10.9 16.3



#55
4-Nitrophenol
Concen: 25.446 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.06 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Tgt Ion:139 Resp: 61091
Ion Ratio Lower Upper
139 100
109 1.5 48.4 88.4#
65 1.6 72.6 112.6#

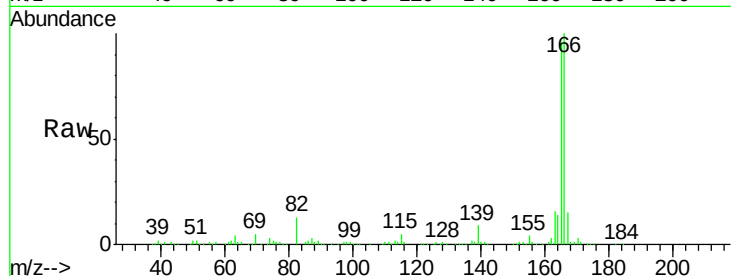




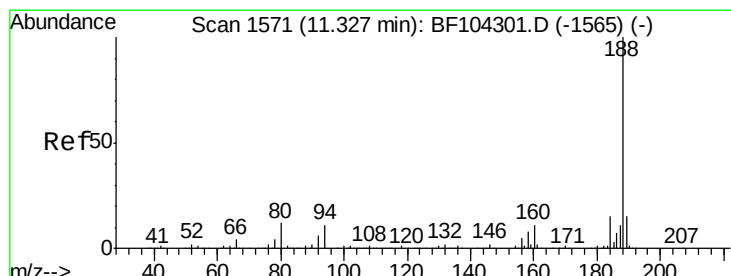
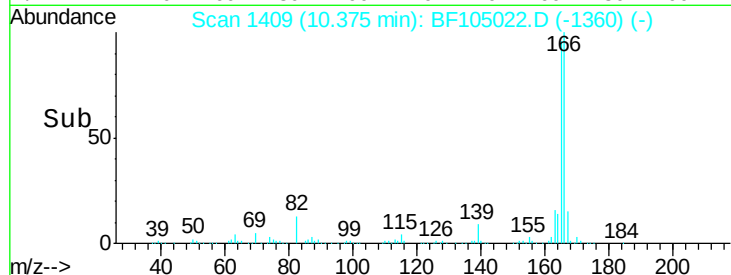
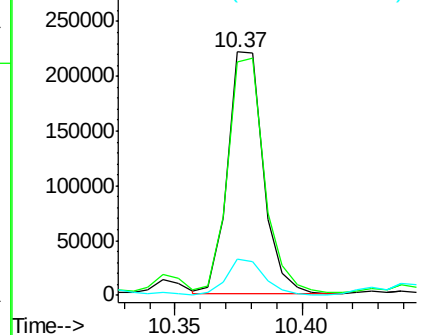
#57
 Fluorene
 Concen: 18.643 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

Tgt Ion:166 Resp: 214917
 Ion Ratio Lower Upper
 166 100
 165 95.9 79.8 119.8
 167 14.9 10.6 16.0

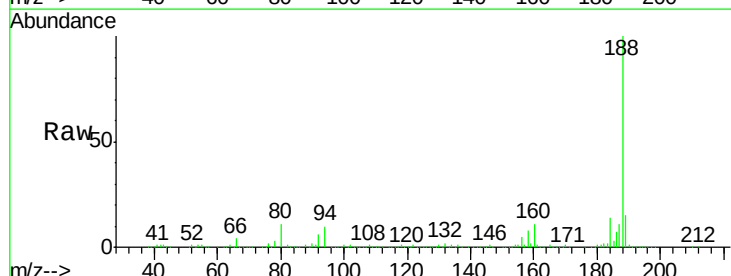


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

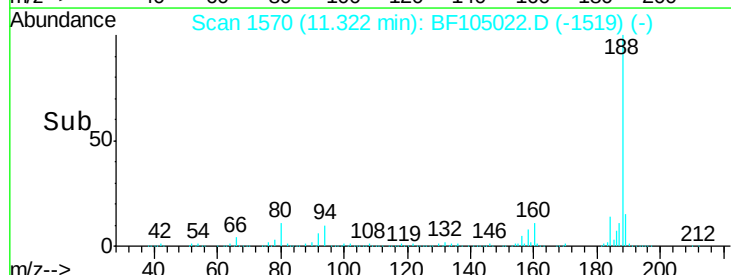
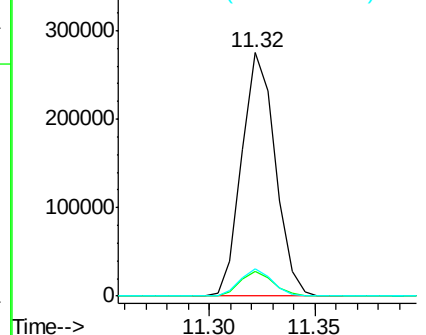


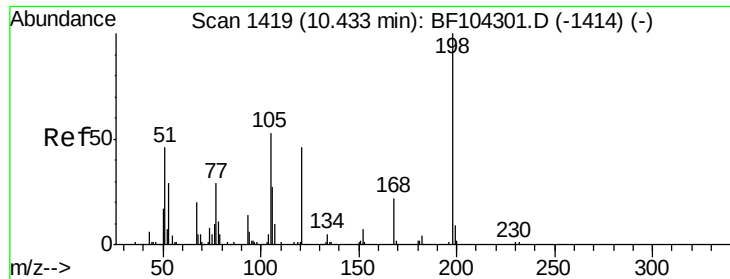
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion:188 Resp: 303209
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 11.3 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

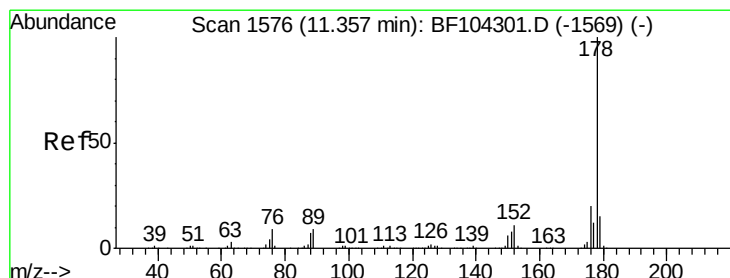
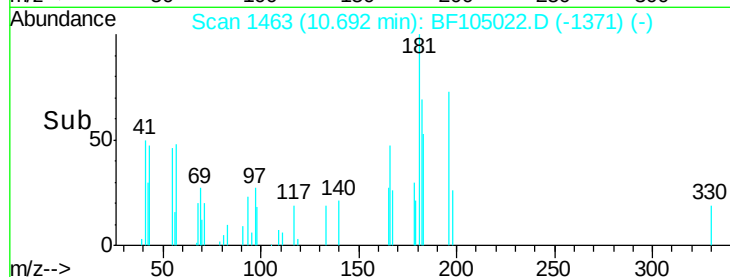
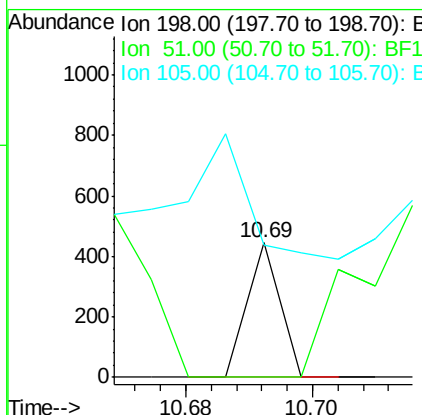
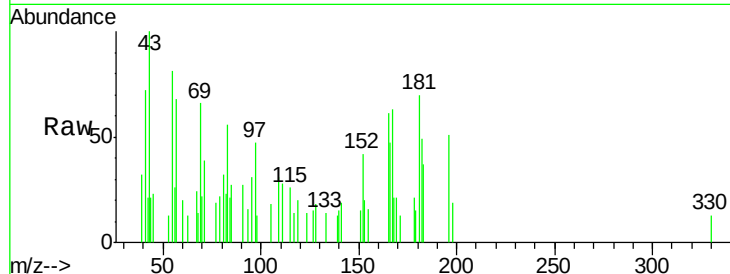




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.437 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.24 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

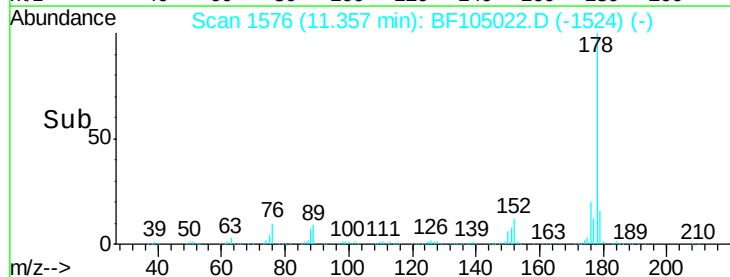
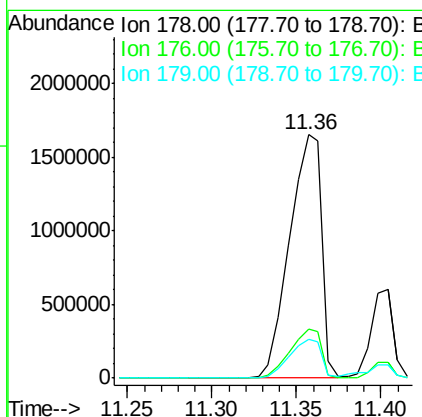
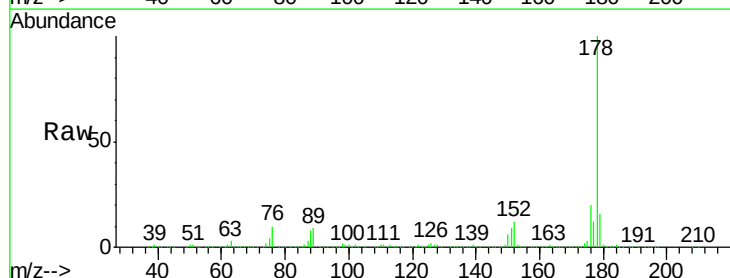
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

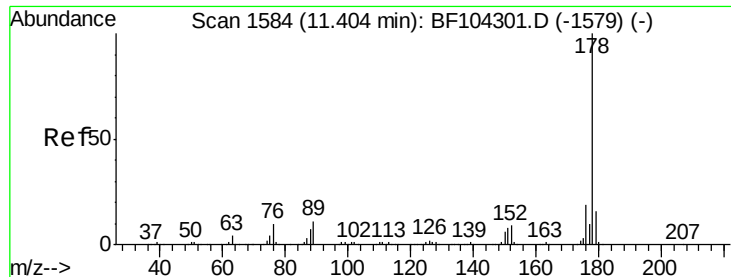
Tgt Ion:198 Resp: 157
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 98.2 36.3 76.3#



#70
 Phenanthrene
 Concen: 128.479 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion:178 Resp: 2169435
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.9 13.0 19.6

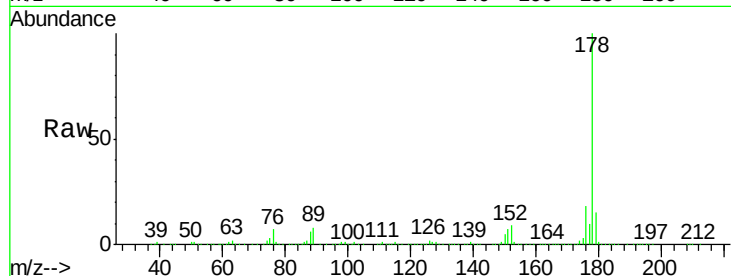




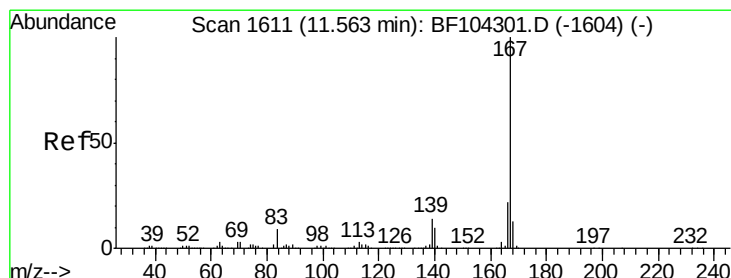
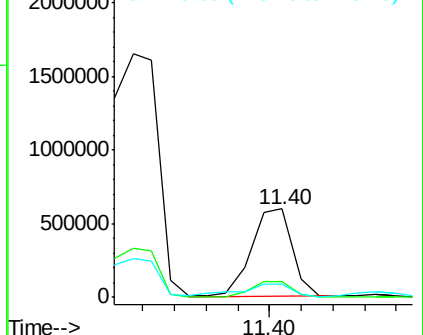
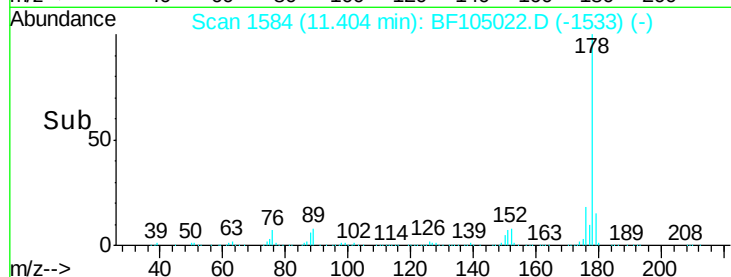
#71
 Anthracene
 Concen: 30.956 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

Tgt Ion:178 Resp: 531332
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.3 12.6 19.0

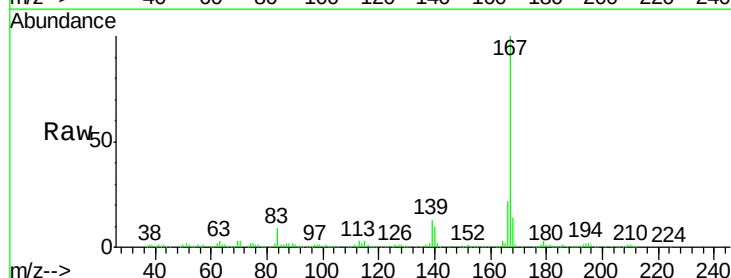


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

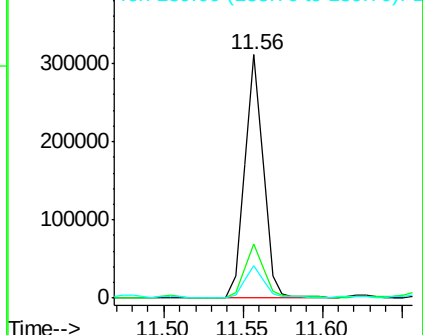
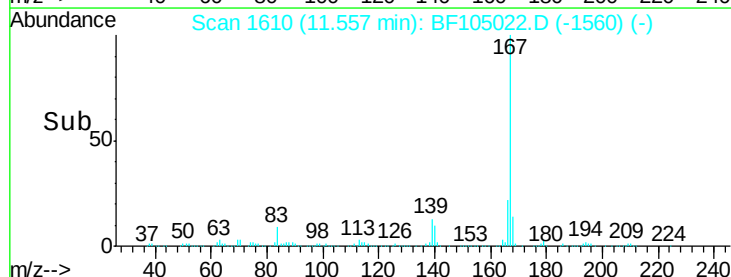


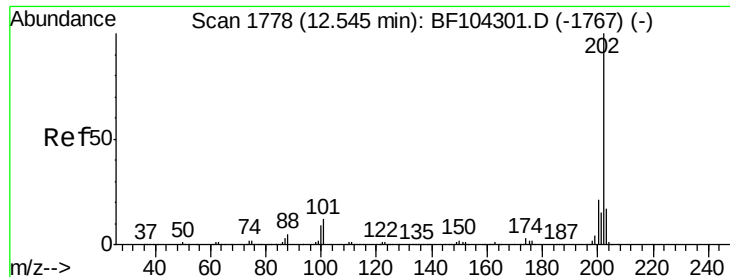
#72
 Carbazole
 Concen: 15.000 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion:167 Resp: 251592
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 13.1 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: 150.792 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.02 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

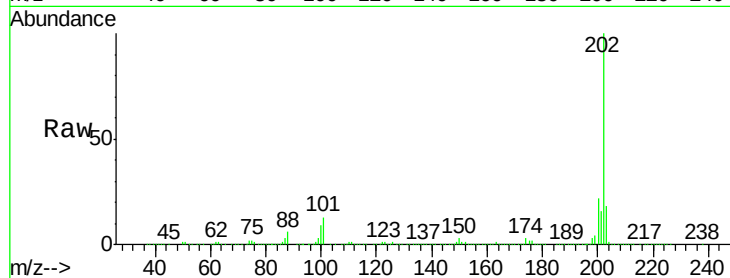
Tgt Ion:202 Resp: 2660290

Ion Ratio Lower Upper

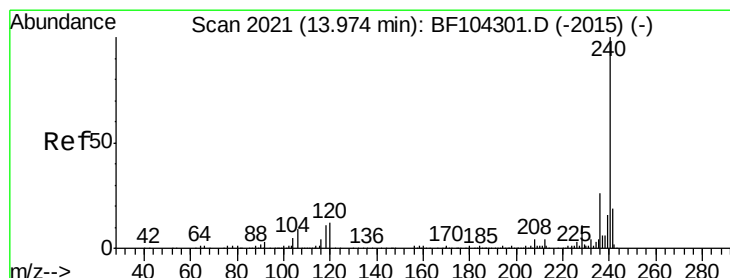
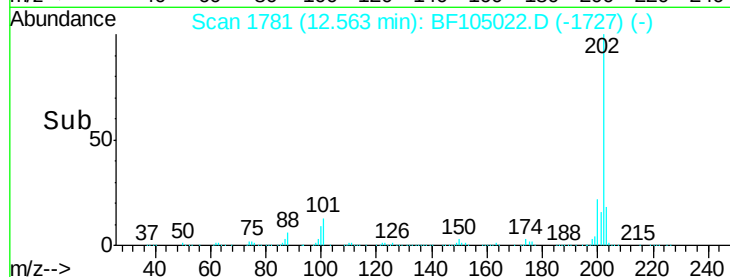
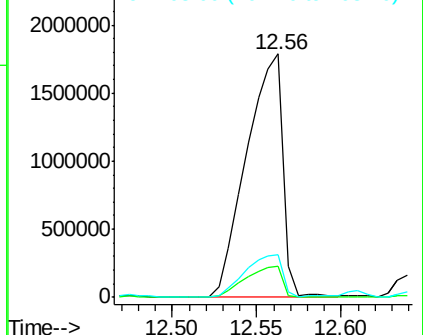
202 100

101 12.6 0.0 34.1

203 17.7 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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

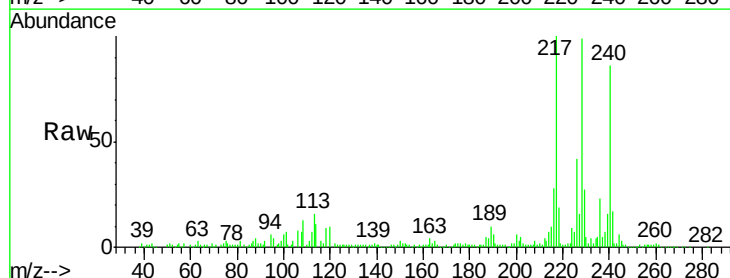
Tgt Ion:240 Resp: 177633

Ion Ratio Lower Upper

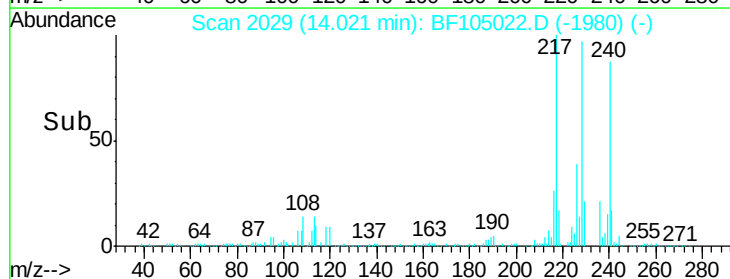
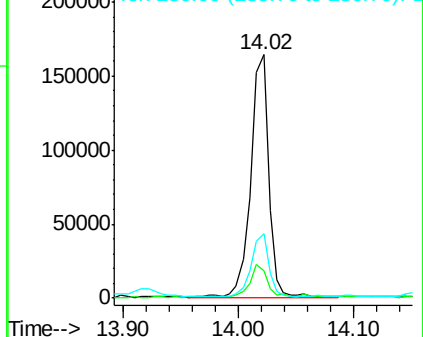
240 100

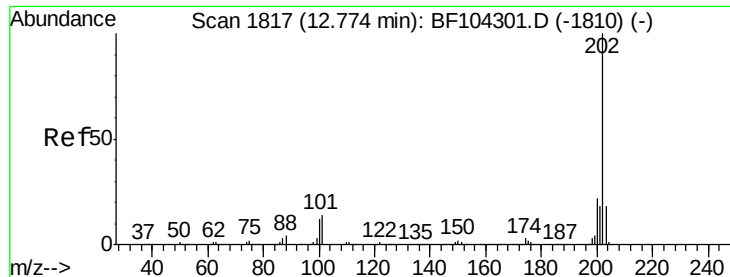
120 11.2 9.5 14.3

236 26.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



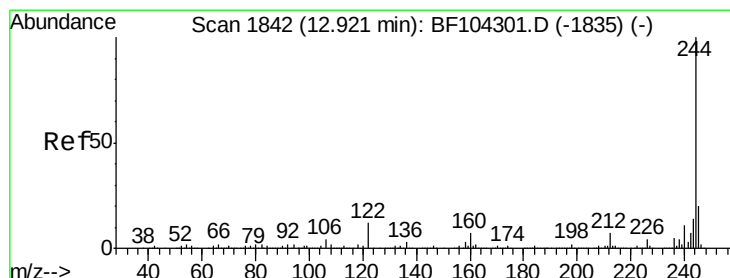
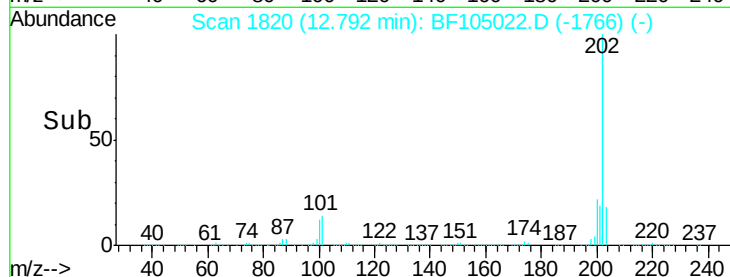
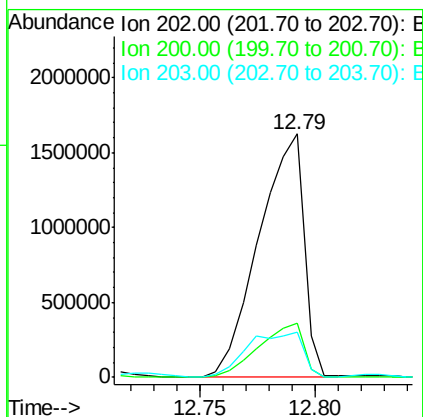
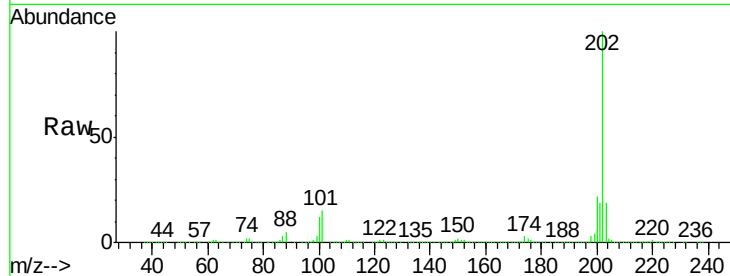


#77
 Pyrene
 Concen: 166.324 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. 0.02 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

Tgt Ion: 202 Resp: 2189947

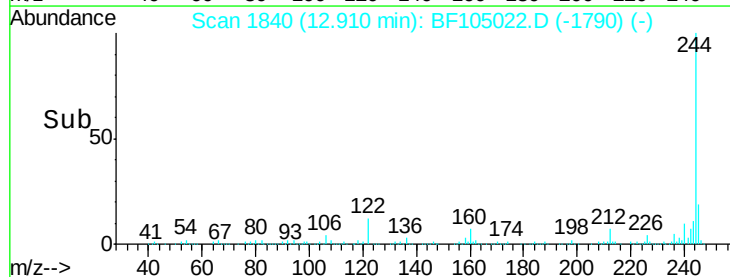
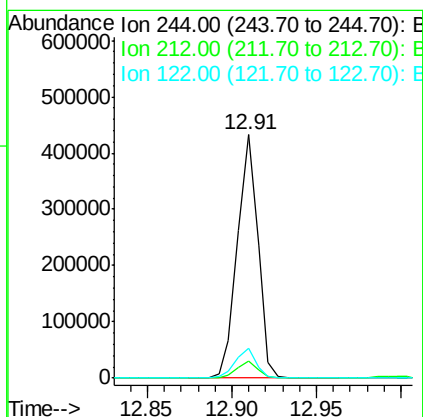
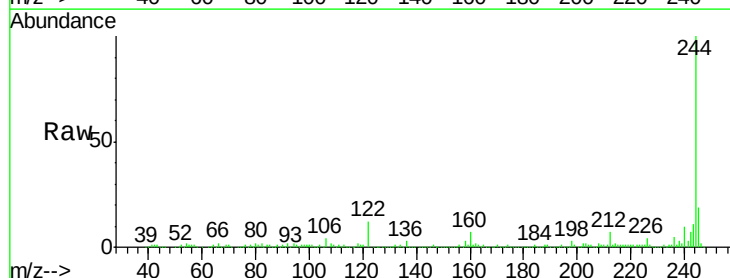
Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.5	14.3	21.5

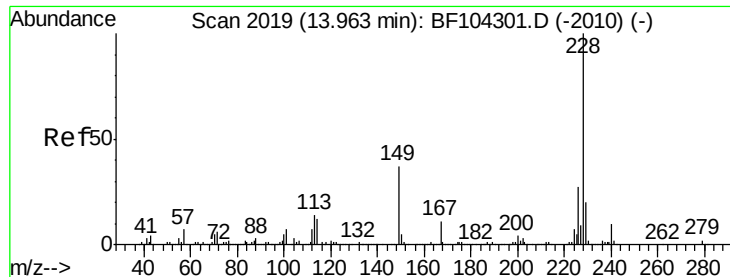


#78
 Terphenyl-d14
 Concen: 47.169 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion: 244 Resp: 367515

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.4	11.0	16.4

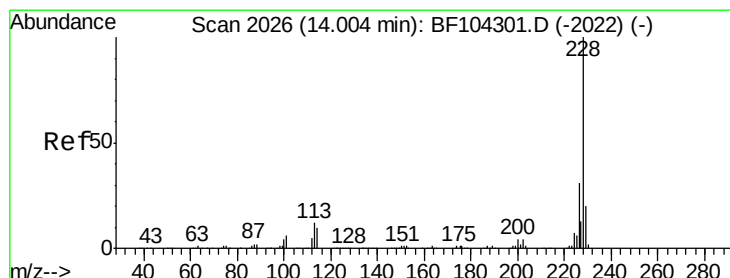
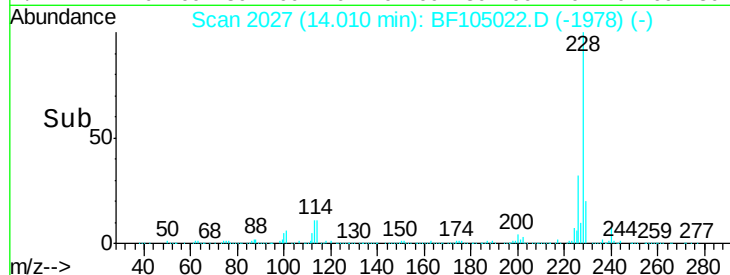
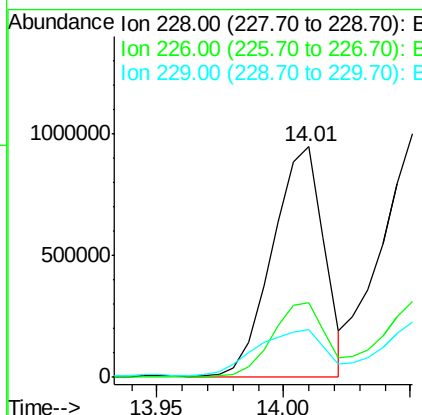
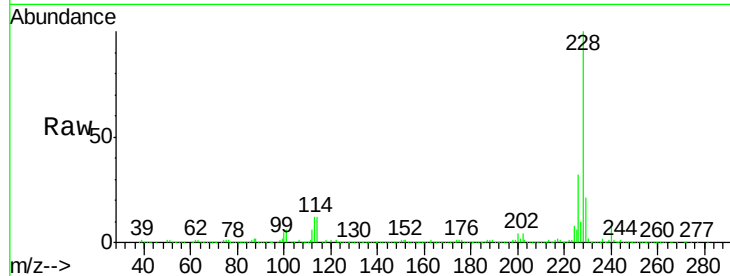




#80
Benzo(a)anthracene
Concen: 125.064 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

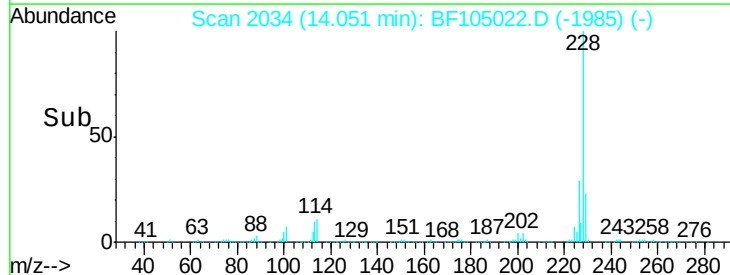
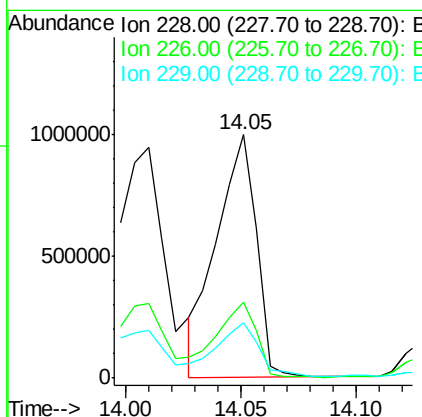
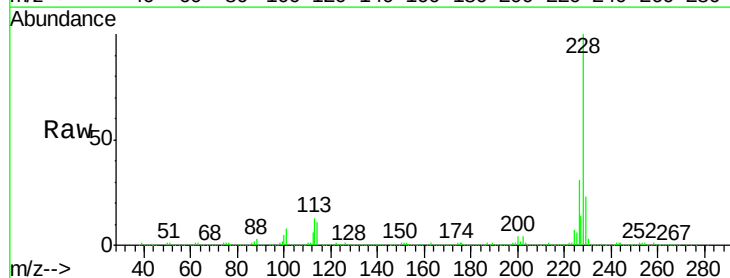
Instrument :
BNA_F
ClientSampleId :
CL-02-043018-A

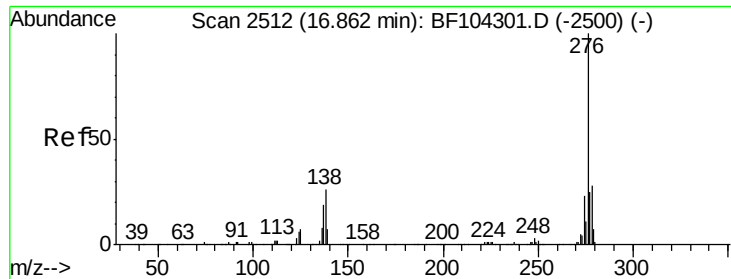
Tgt Ion:228 Resp: 1327180
Ion Ratio Lower Upper
228 100
226 32.3 22.6 33.8
229 20.8 15.8 23.6



#82
Chrysene
Concen: 108.993 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF105022.D
Acq: 2 May 2018 11:24

Tgt Ion:228 Resp: 1188042
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 23.0 16.2 24.4

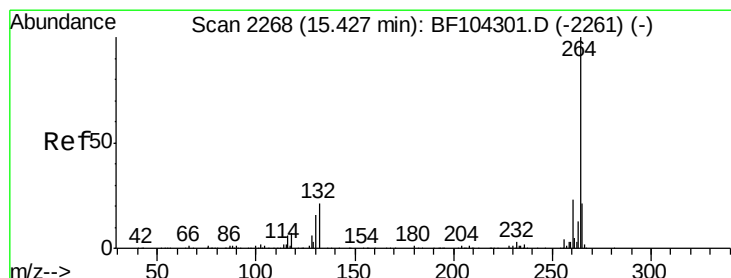
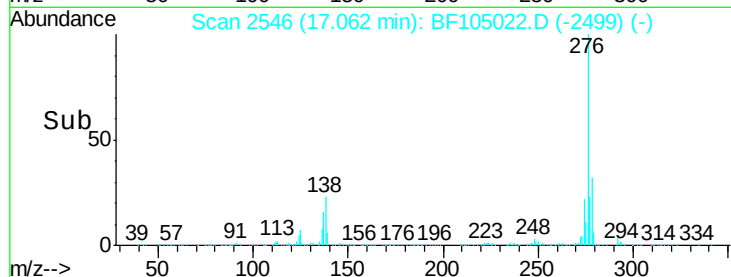
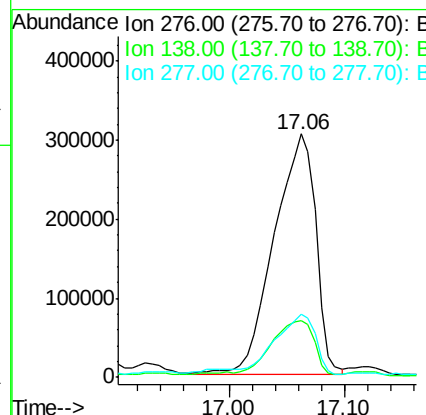
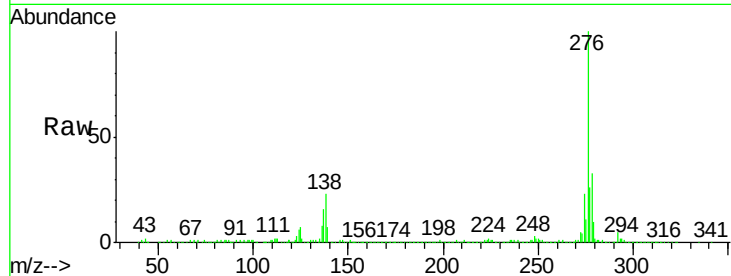




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 82.959 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

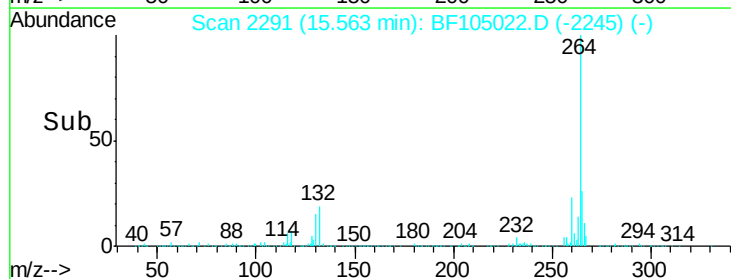
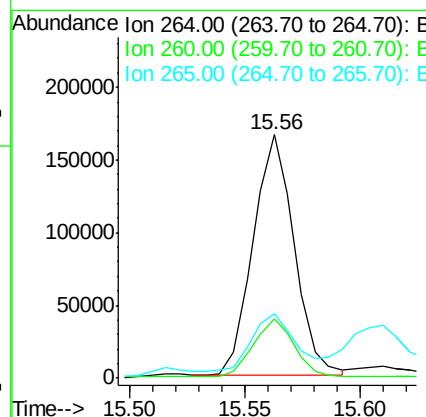
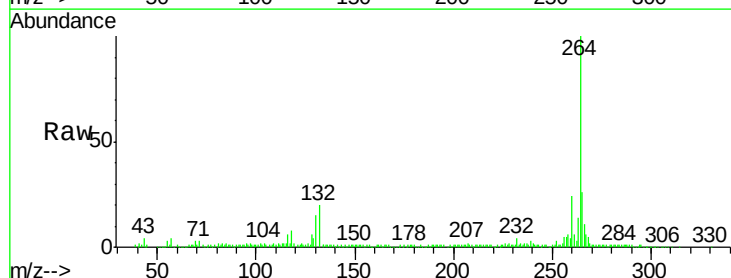
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-A

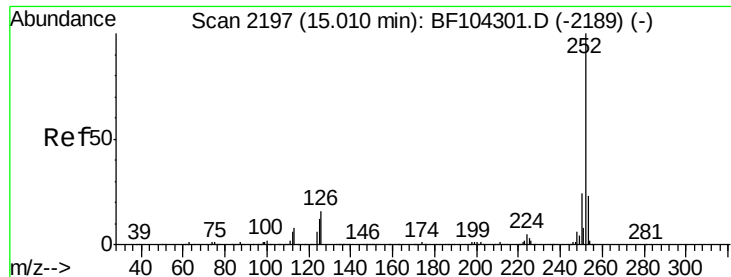
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	24.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.03 min
 Lab File: BF105022.D
 Acq: 2 May 2018 11:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	26.4	17.5	26.3#





#87

Benzo(b)fluoranthene

Concen: 174.551 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

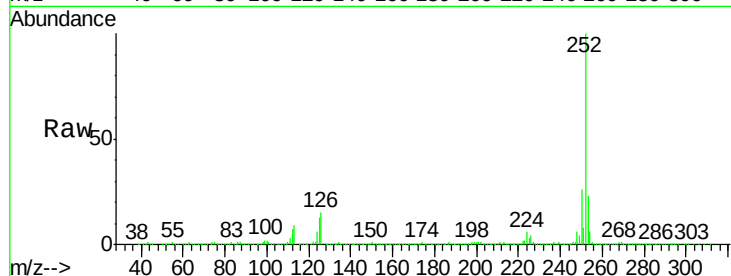
Tgt Ion:252 Resp: 2265905

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

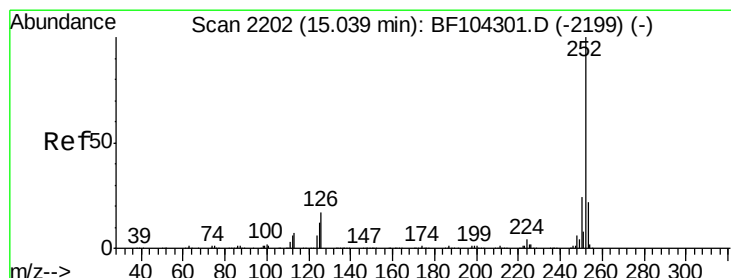
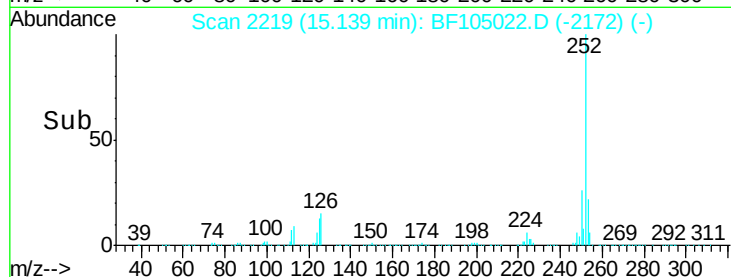
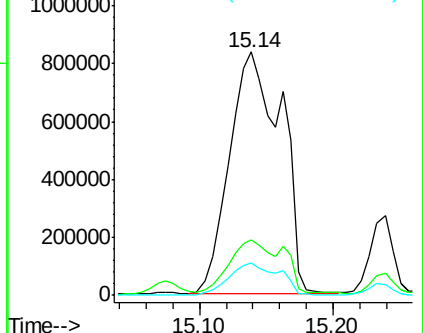
125 13.1 9.0 13.6



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: 184.889 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.05 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

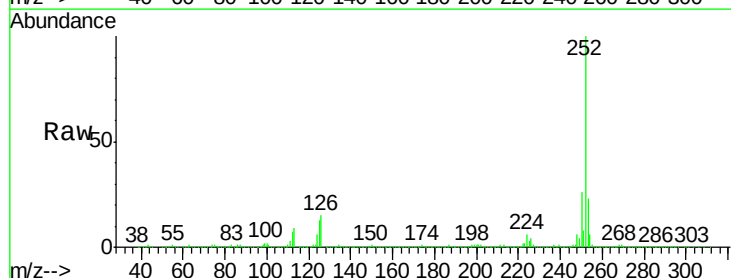
Tgt Ion:252 Resp: 2265905

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

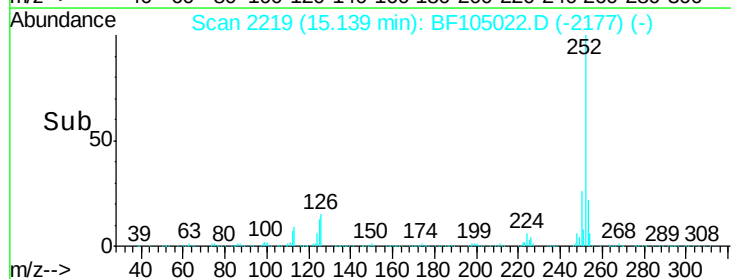
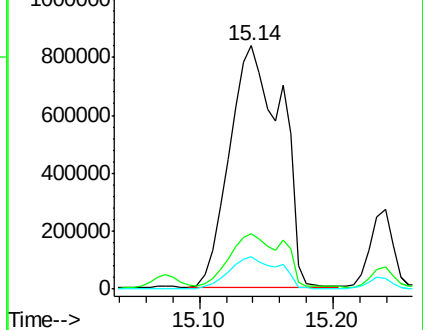
125 13.1 10.2 15.2

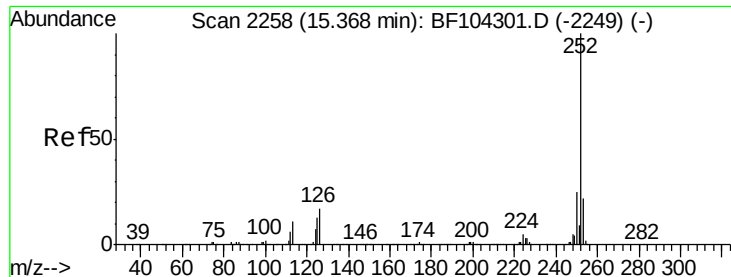


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 102.743 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A

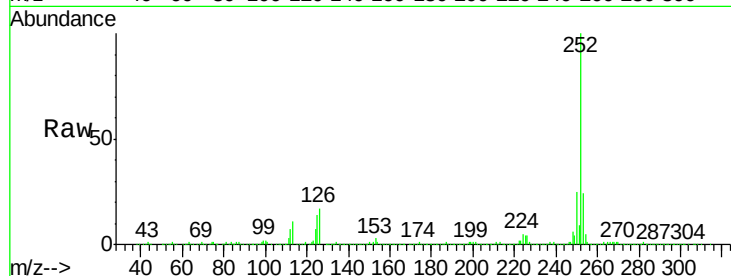
Tgt Ion:252 Resp: 1193367

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

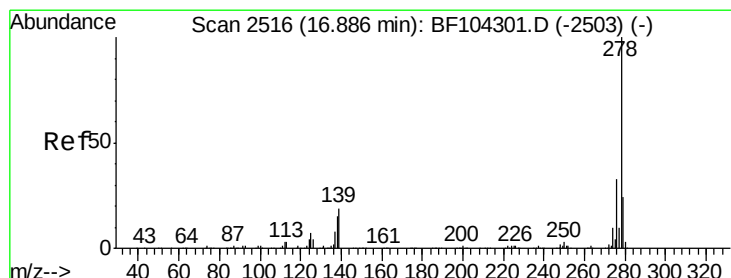
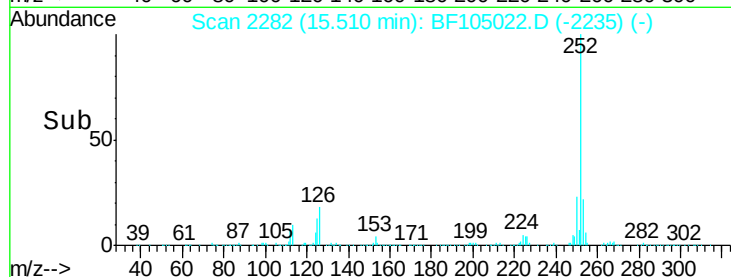
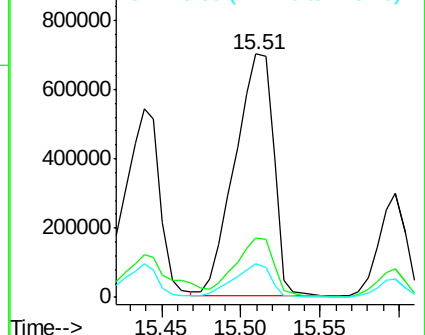
125 13.7 9.8 14.6



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: 17.206 ng

RT: 17.22 min Scan# 2572

Delta R.T. 0.12 min

Lab File: BF105022.D

Acq: 2 May 2018 11:24

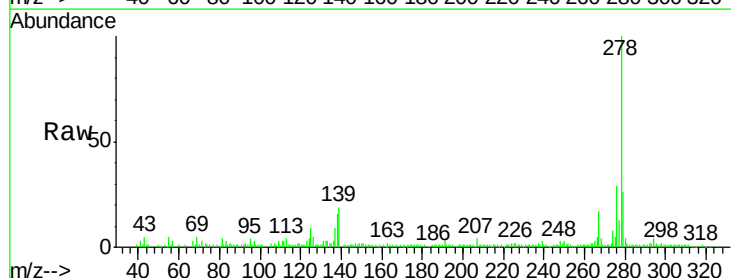
Tgt Ion:278 Resp: 164136

Ion Ratio Lower Upper

278 100

139 19.0 15.9 23.9

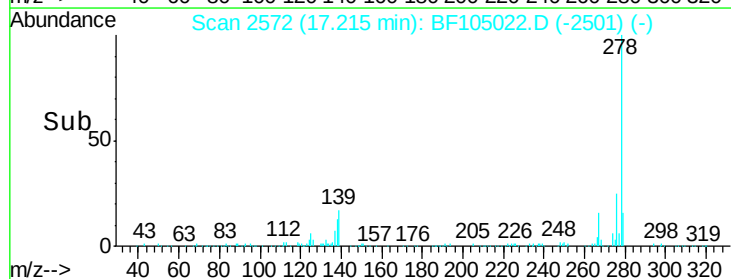
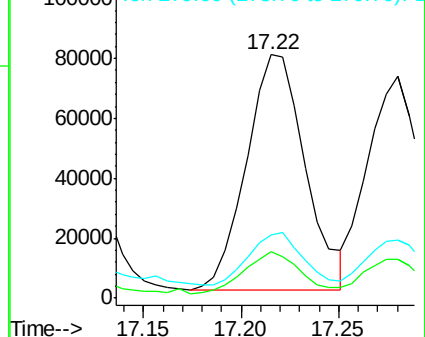
279 25.7 19.0 28.4

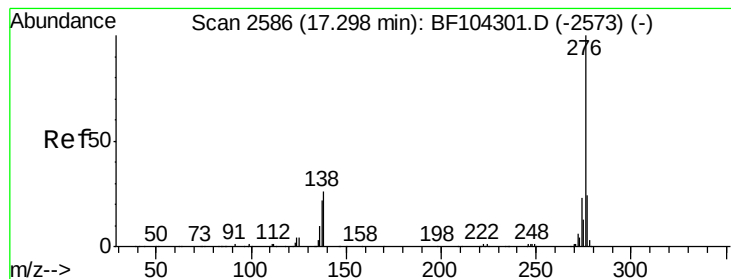


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 72.805 ng

RT: 17.52 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BF105022.D

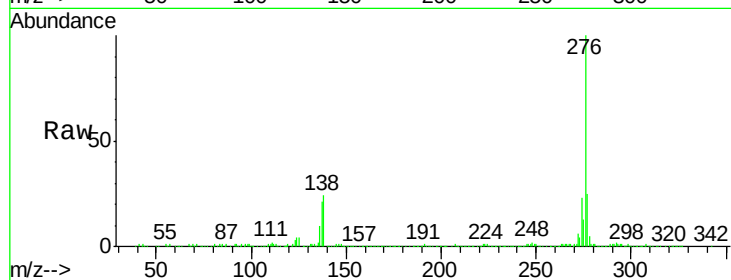
Acq: 2 May 2018 11:24

Instrument :

BNA_F

ClientSampleId :

CL-02-043018-A



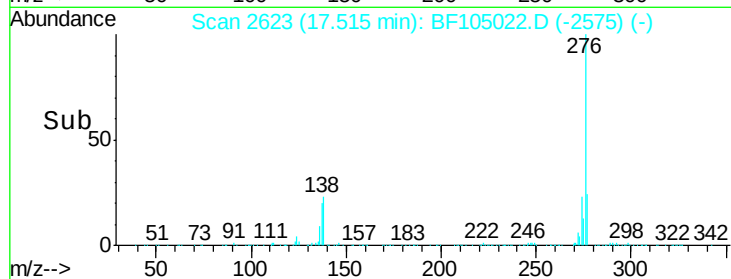
Tgt Ion: 276 Resp: 672870

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 24.3 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

