

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104450.D
 Acq On : 12 Apr 2018 14:55
 Operator : JU/SJ
 Sample : J2165-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 17:08:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	145719	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	577917	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	248018	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	372981	20.00	ng	0.00
75) Chrysene-d12	13.98	240	280965	20.00	ng	-0.01
86) Perylene-d12	15.45	264	227859	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	931640	97.76	ng	0.01
7) Phenol-d6	6.45	99	1119719	95.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	719120	81.25	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	234499	91.15	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1105341	70.40	ng	0.00
78) Terphenyl-d14	12.93	244	799300	64.86	ng	0.00

Target Compounds

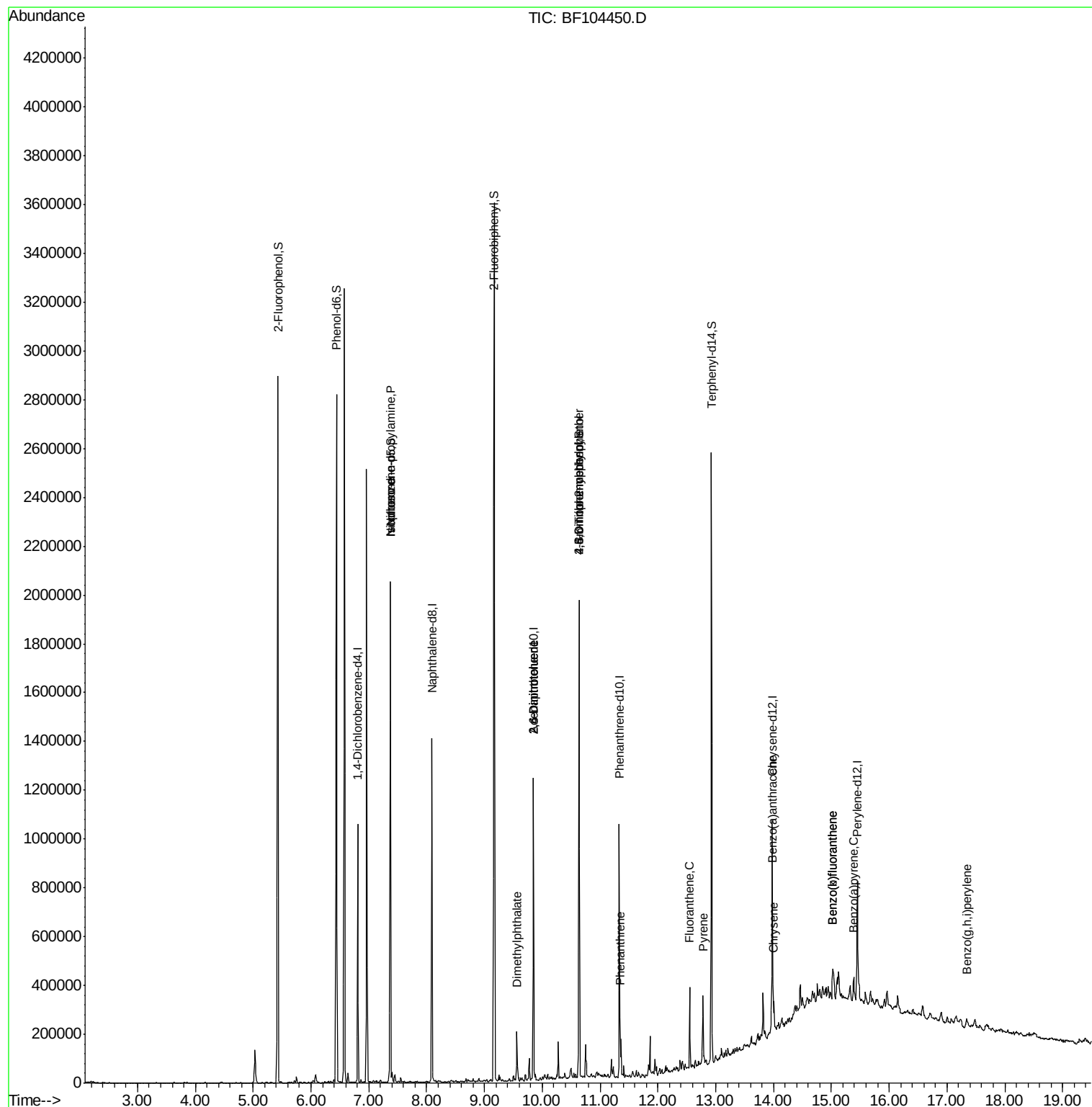
						Qvalue
9) Benzaldehyde	6.45	77	2026	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	95537	12.486 ng	#	74
25) Isophorone	7.37	82	719112	38.423 ng	#	64
49) Dimethylphthalate	9.56	163	78634	4.021 ng		99
50) 2,6-Dinitrotoluene	9.85	165	32312	8.928 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	32312	6.807 ng	#	22
64) 4,6-Dinitro-2-methylphenol	10.64	198	288	7.481 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	13950	3.516 ng	#	1
70) Phenanthrene	11.36	178	64628	3.111 ng		98
74) Fluoranthene	12.55	202	112569	5.187 ng		97
76) Benzo(a)pyrene	12.93	184	11366	Below Cal		98
77) Perylene	12.78	202	107835	5.178 ng		98
80) Benzo(a)anthracene	13.97	228	55143	3.285 ng		97
82) Chrysene	14.00	228	57380	3.328 ng		96
87) Benzo(b)fluoranthene	15.02	252	86540	6.013 ng	#	85
88) Benzo(k)fluoranthene	15.02	252	86540	6.370 ng	#	88
89) Benzo(a)pyrene	15.39	252	42013	3.263 ng	#	86
91) Benzo(g,h,i)perylene	17.34	276	24391	2.381 ng	#	93

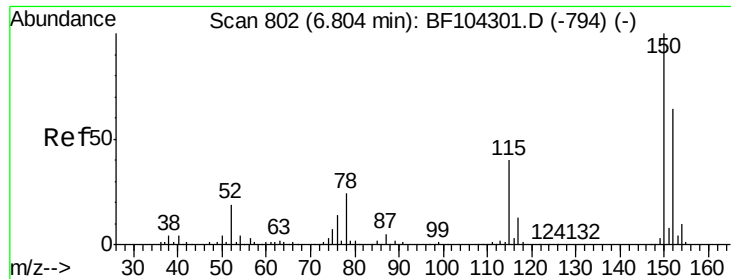
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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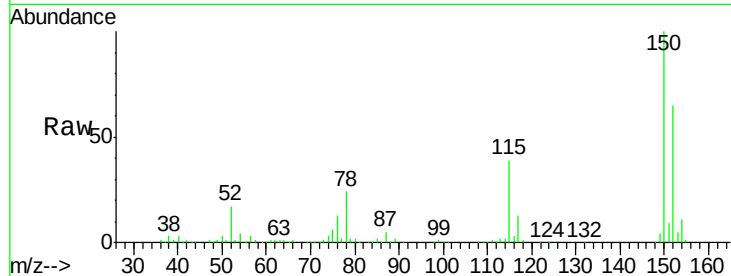


#1

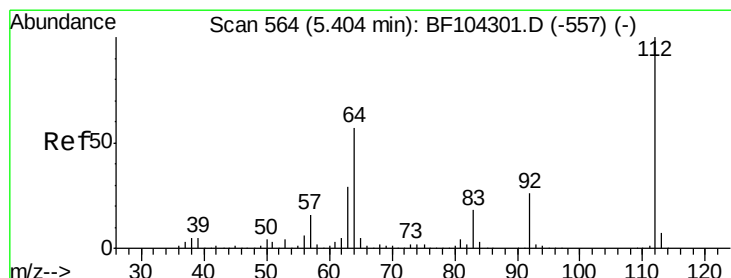
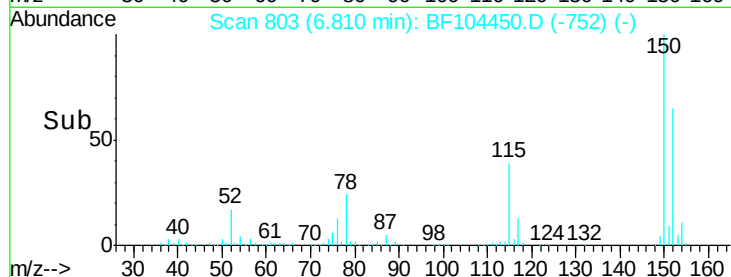
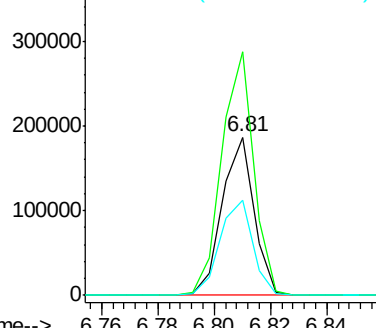
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 145719
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.6 186.8
 115 60.4 50.1 75.1



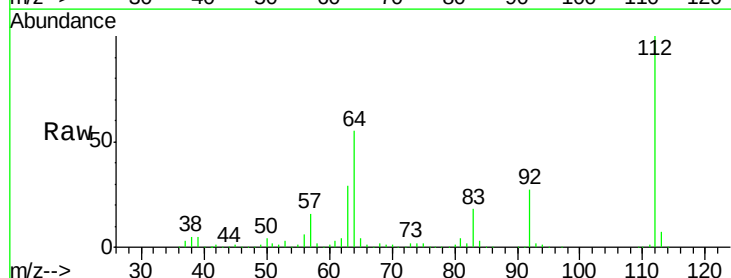
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



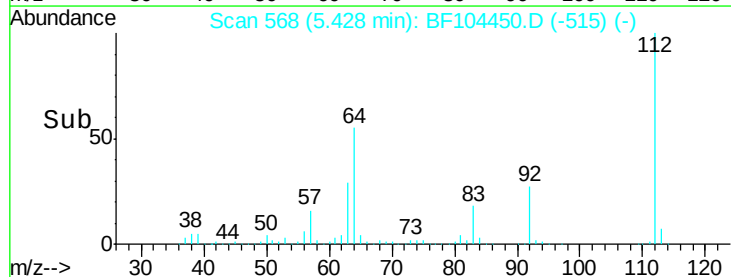
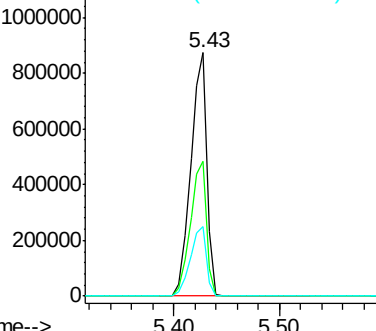
#5

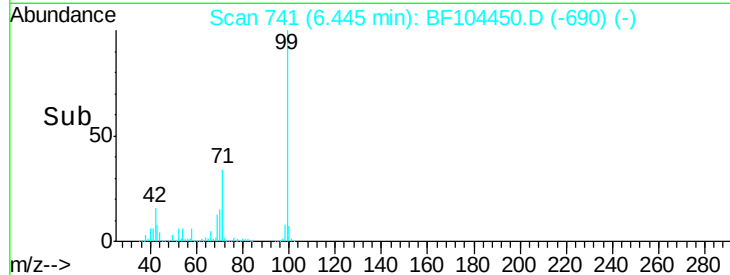
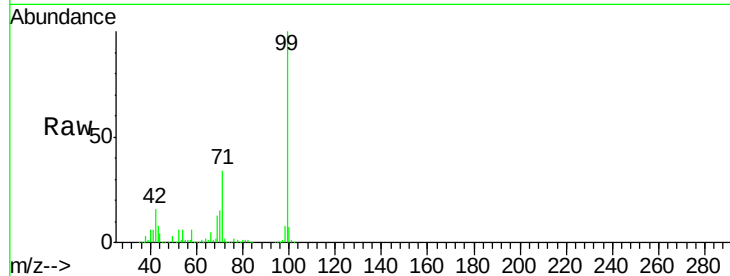
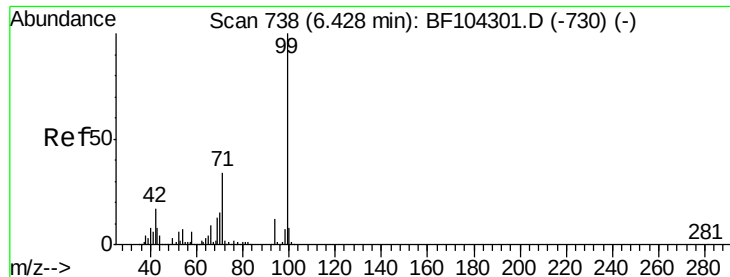
2-Fluorophenol
 Concen: 97.759 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Tgt Ion:112 Resp: 931640
 Ion Ratio Lower Upper
 112 100
 64 55.4 47.9 71.9
 63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.627 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Instrument :

BNA_F

ClientSampleId :

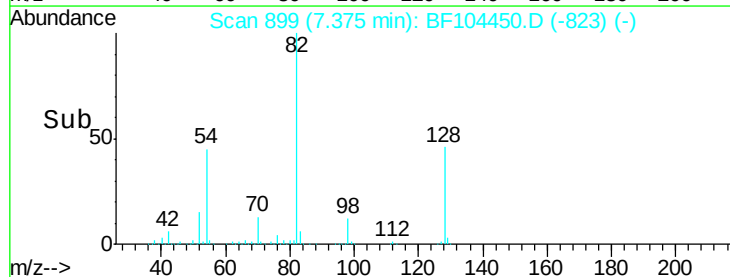
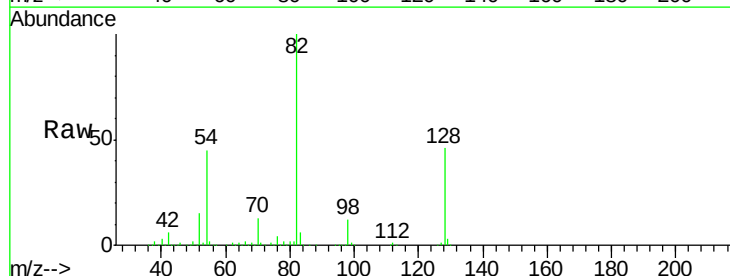
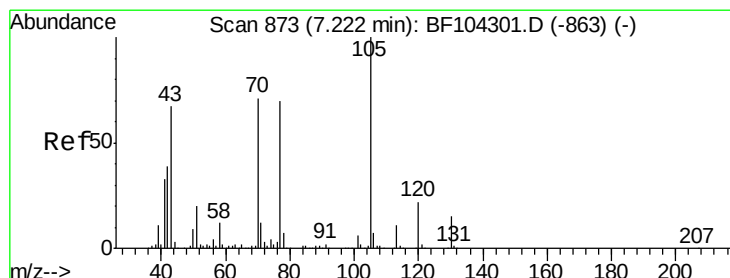
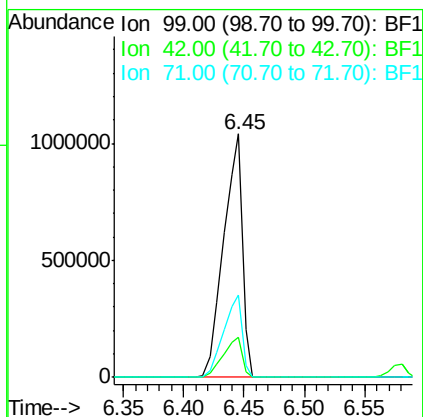
Tot Ion: 99 Resp: 1119719

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.486 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Tgt Ion: 70 Resp: 95537

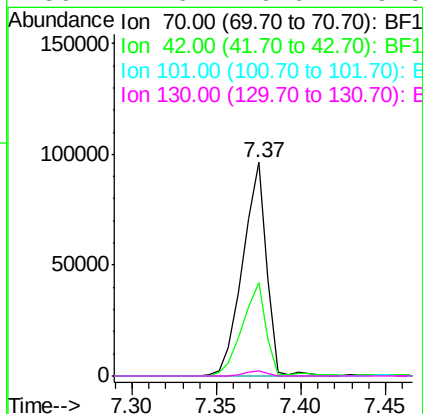
Ion Ratio Lower Upper

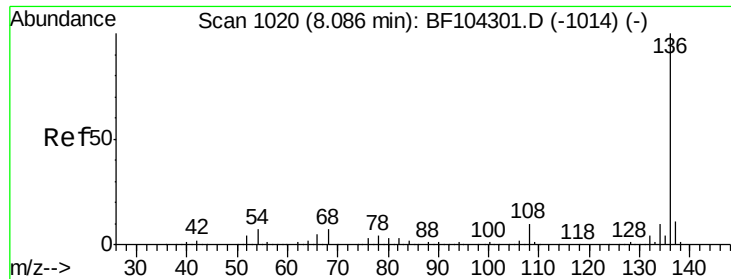
70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

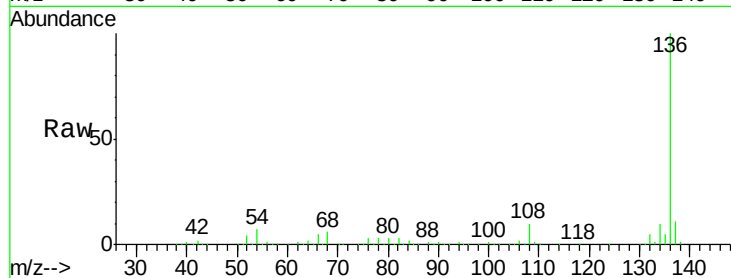




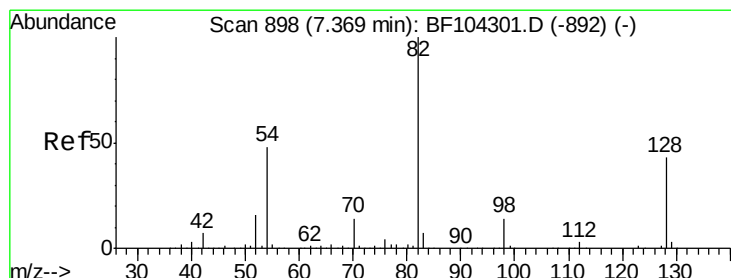
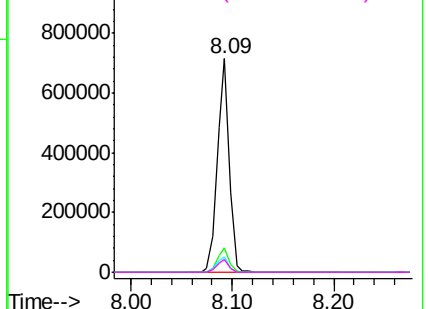
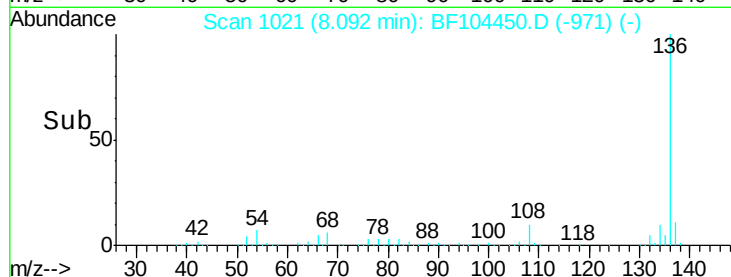
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	577917
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	7.0	6.6 9.8
68	5.9	5.0 7.4

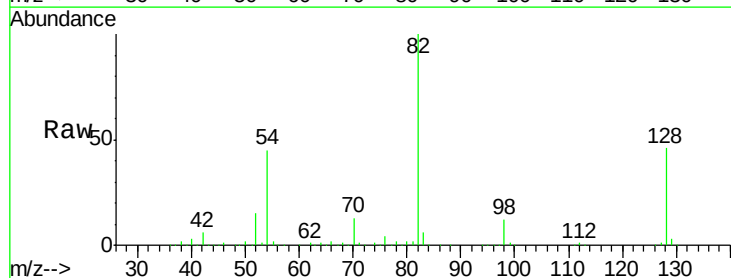


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

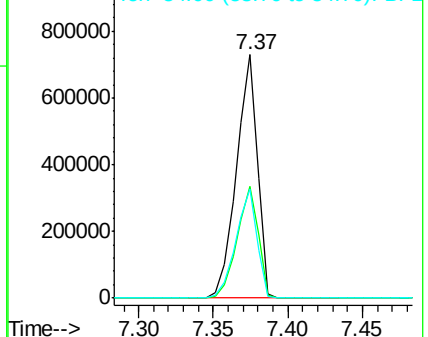
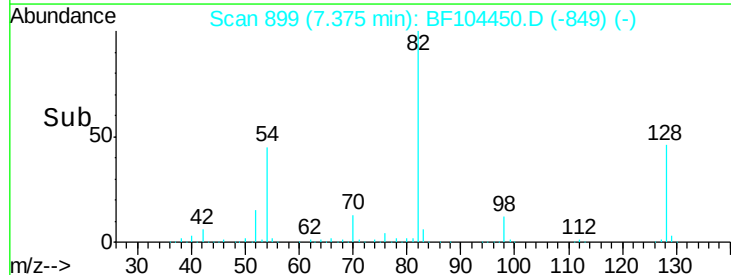


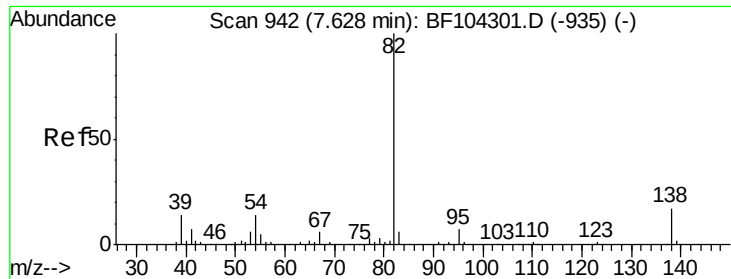
#23
Nitrobenzene-d5
Concen: 81.252 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Tgt Ion: 82	Resp:	719120
Ion	Ratio	Lower Upper
82	100	
128	45.9	36.1 54.1
54	45.0	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: 38.423 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Instrument :

BNA_F

ClientSampled :

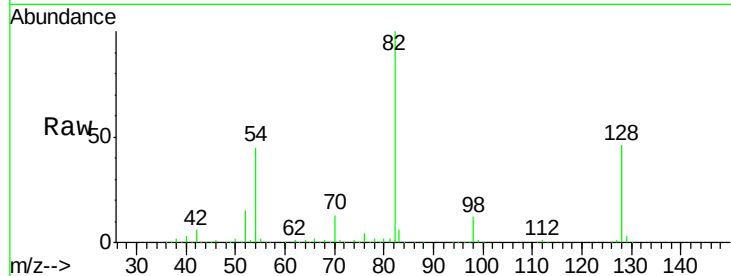
Tot Ion: 82 Resp: 719112

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

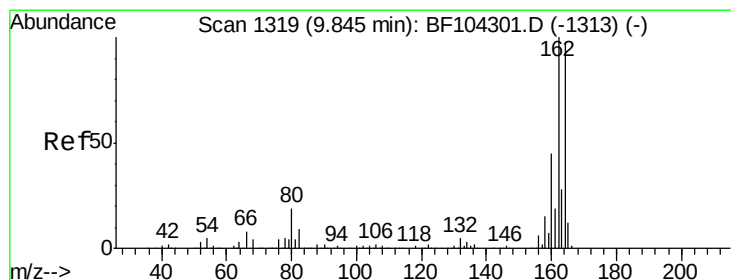
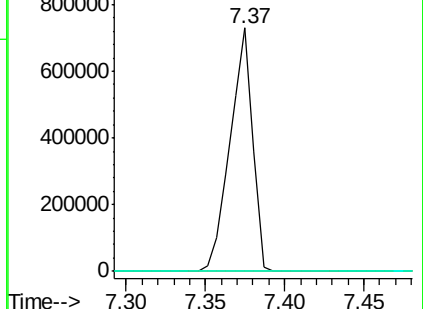
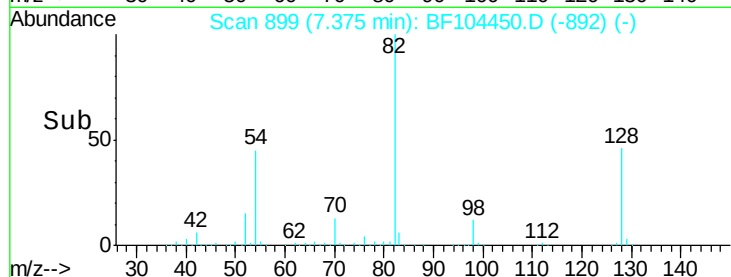
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

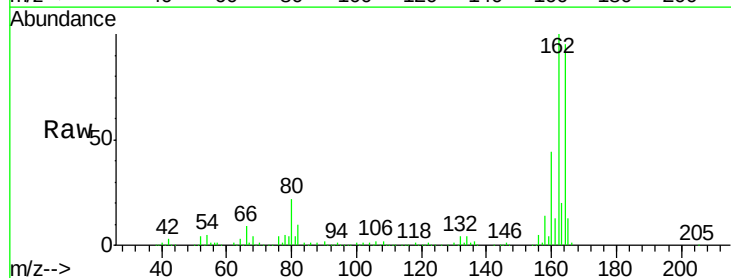
Tgt Ion:164 Resp: 248018

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

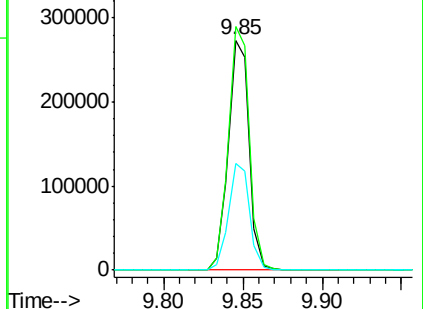
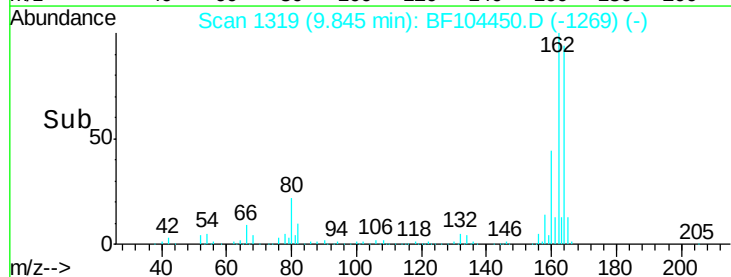
160 46.6 38.3 57.5

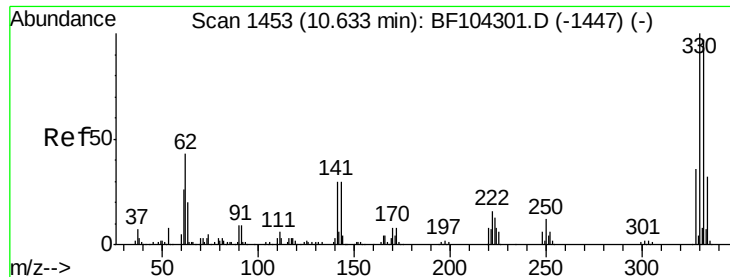


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

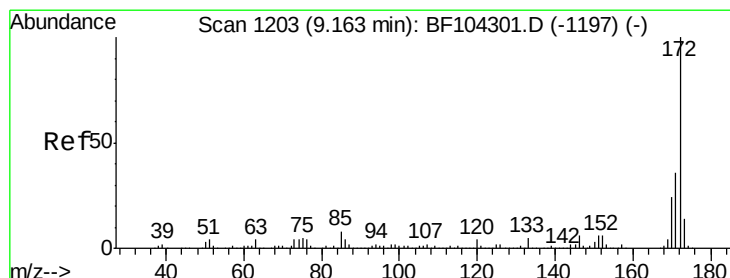
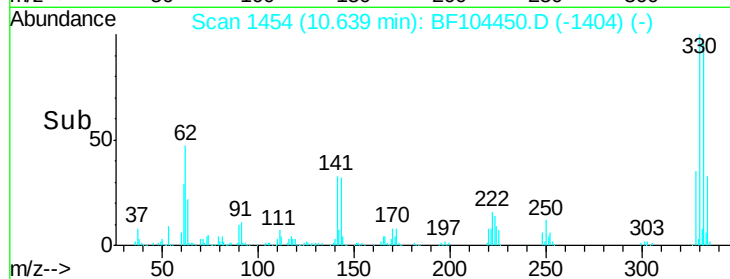
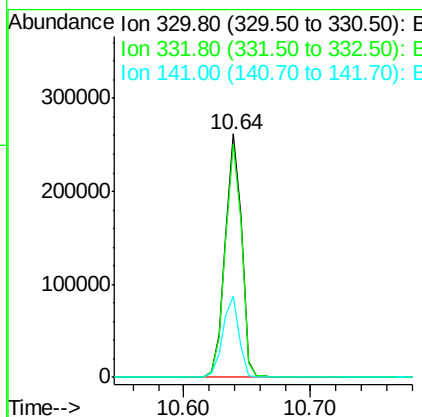
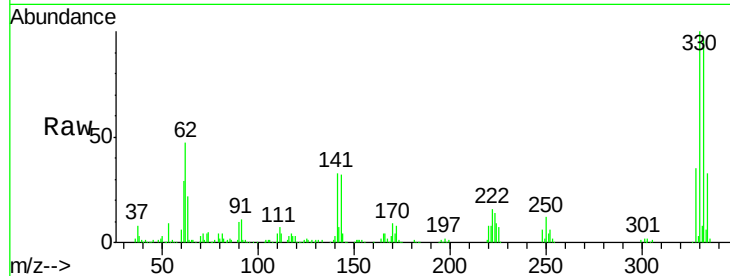




#41
 2,4,6-Tribromophenol
 Concen: 91.147 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

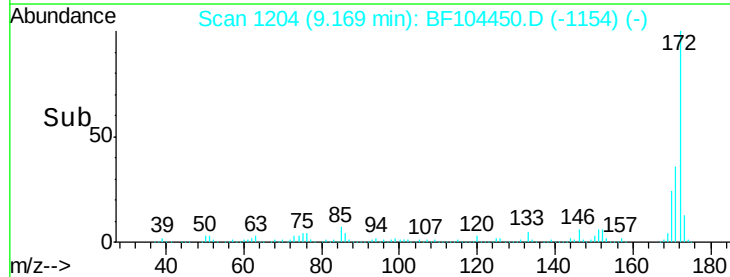
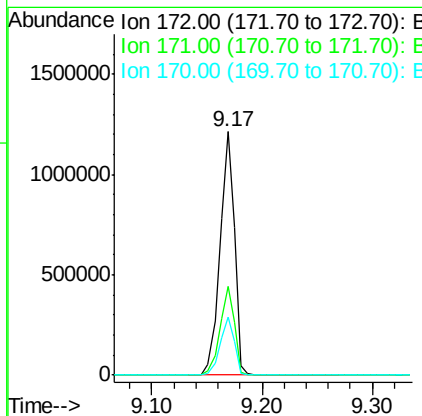
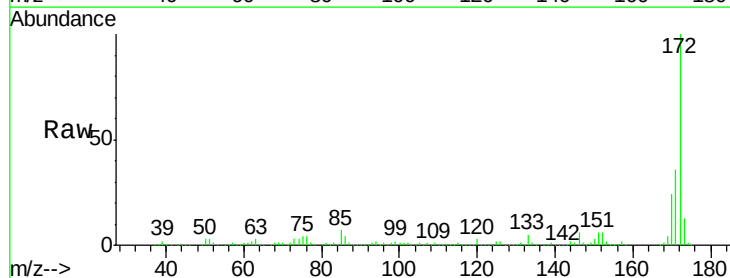
Instrument :
 BNA_F
 ClientSampleId :

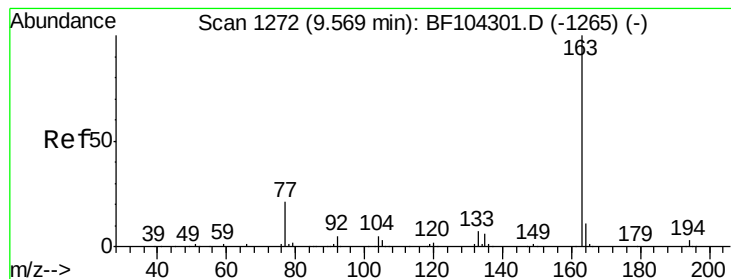
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 70.405 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4





#49

Dimethylphthalate

Concen: 4.021 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Instrument :

BNA_F

ClientSampleId :

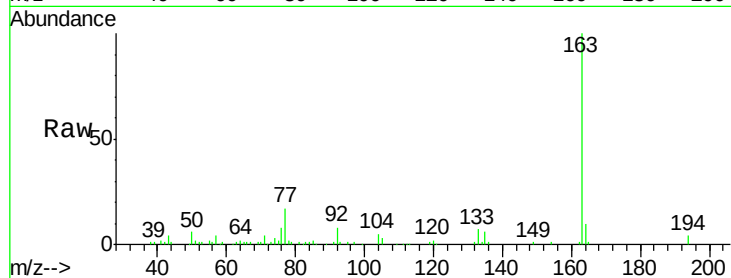
Tot Ion:163 Resp: 78634

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

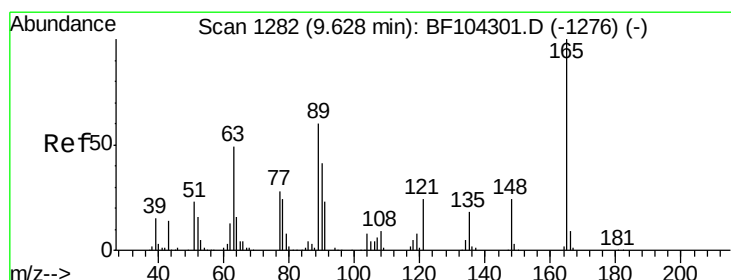
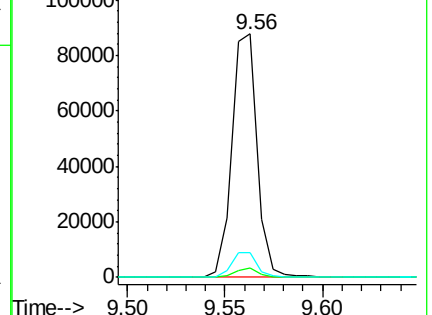
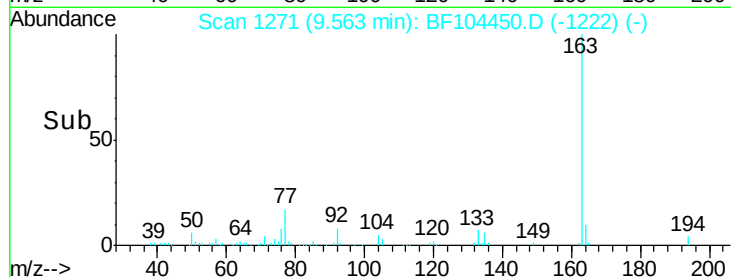
164 10.0 8.2 12.2



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: 8.928 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

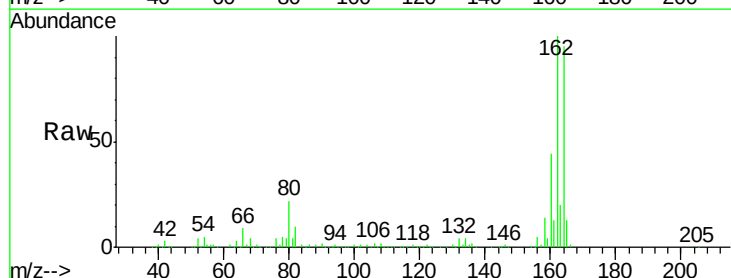
Tgt Ion:165 Resp: 32312

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

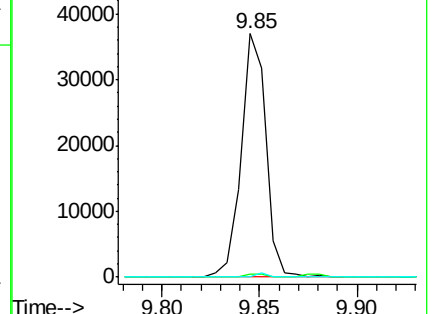
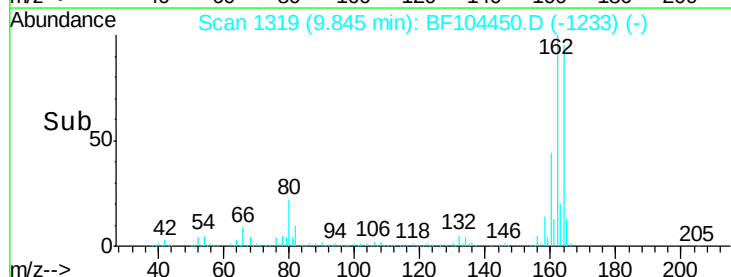
89 0.0 44.0 66.0#

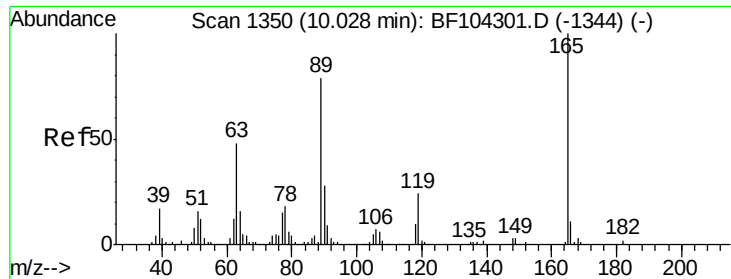


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

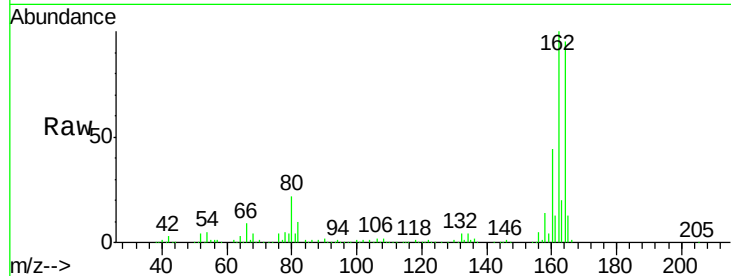




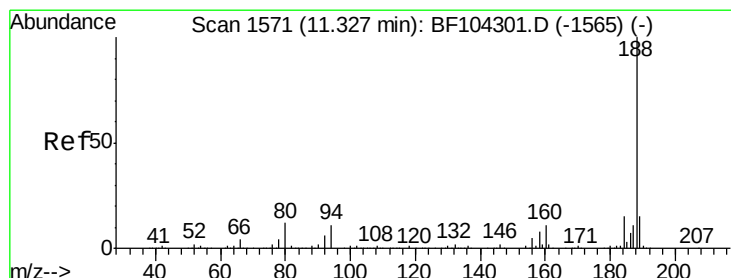
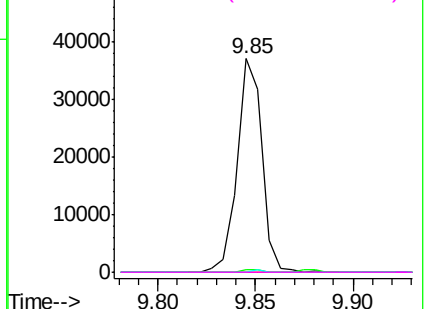
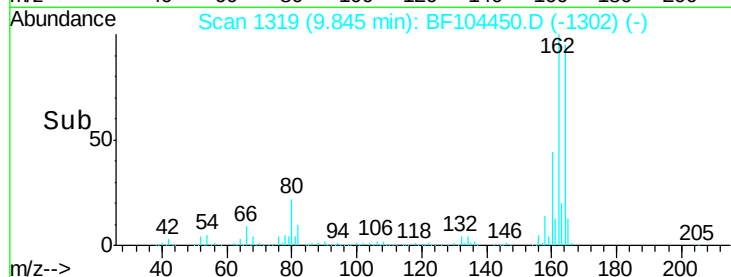
#56
 2,4-Dinitrotoluene
 Concen: 6.807 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 32312
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

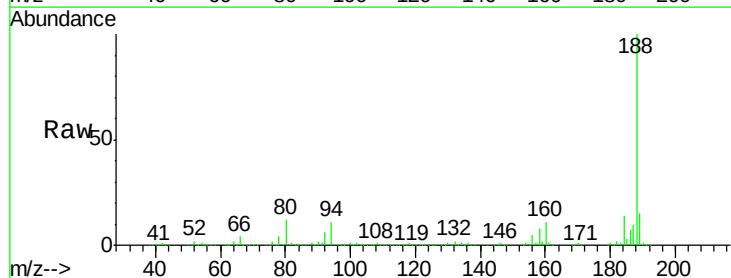


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

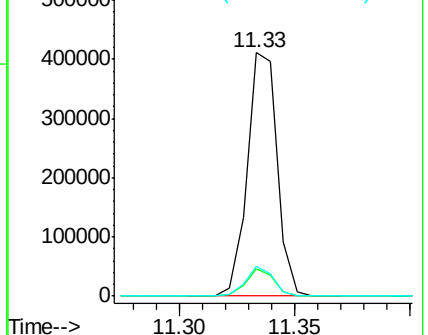
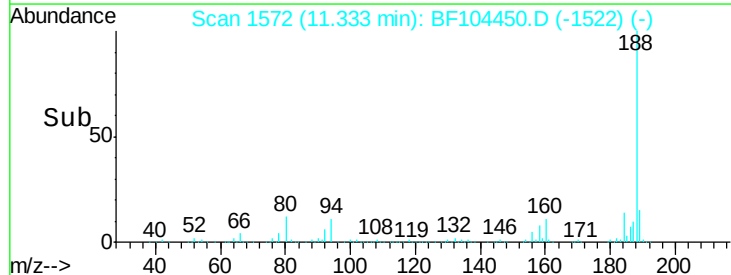


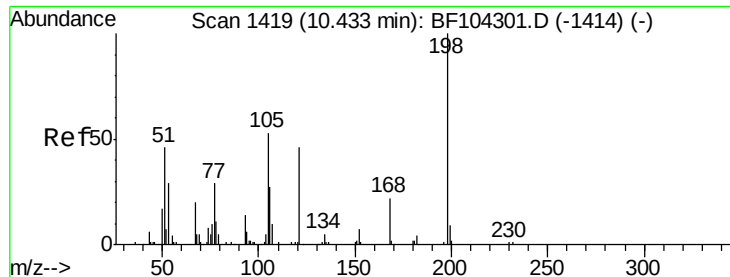
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Tgt Ion:188 Resp: 372981
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.1 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

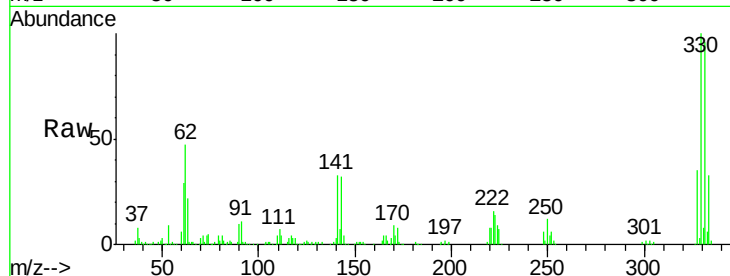




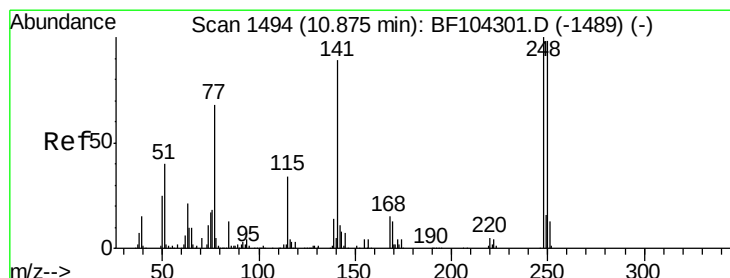
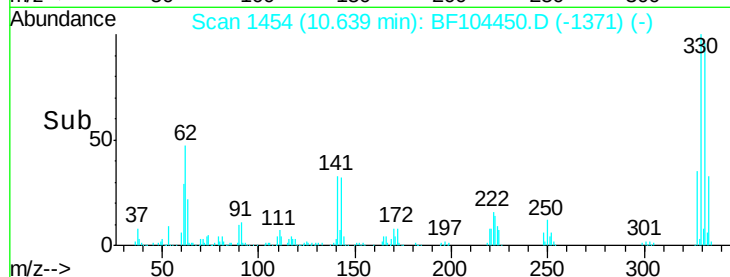
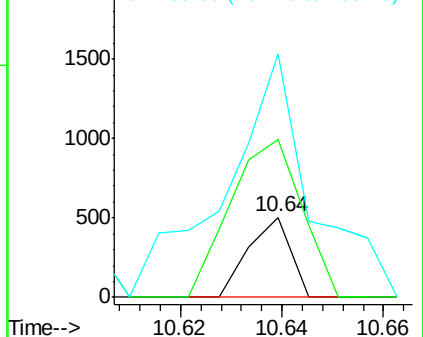
#64
4,6-Dinitro-2-methylphenol
Concen: 7.481 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 288
Ion Ratio Lower Upper
198 100
51 197.4 37.7 77.7#
105 304.2 36.3 76.3#

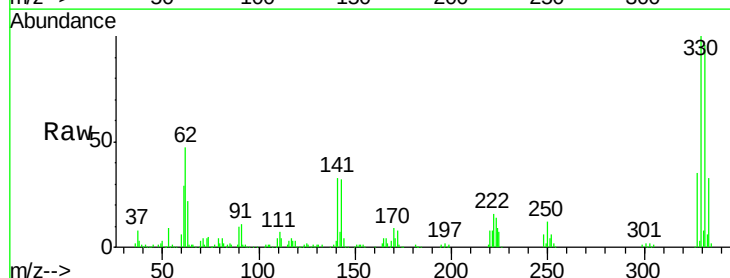


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

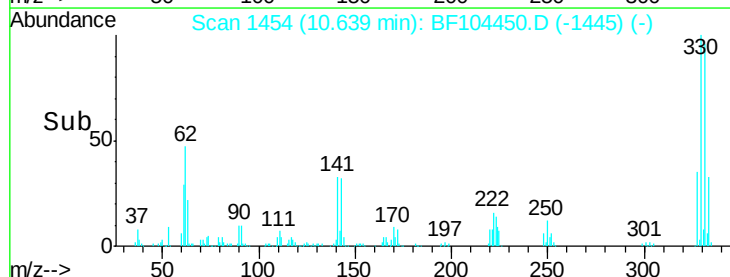
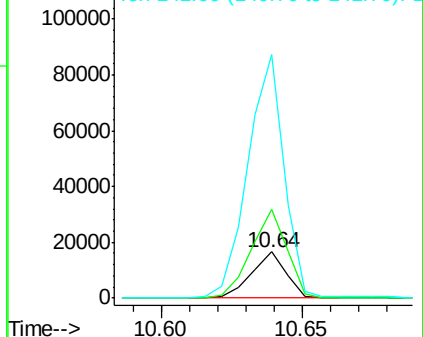


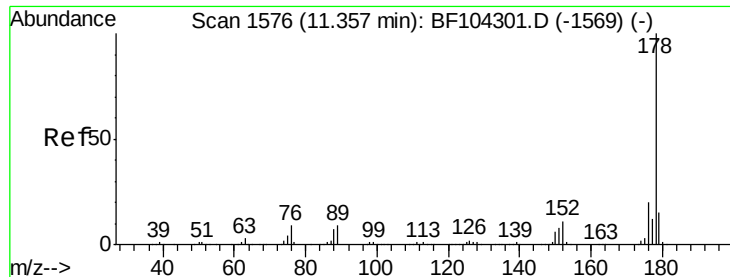
#66
4-Bromophenyl-phenylether
Concen: 3.516 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Tgt Ion:248 Resp: 13950
Ion Ratio Lower Upper
248 100
250 193.4 76.9 115.3#
141 530.3 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: 3.111 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Instrument :

BNA_F

ClientSampled :

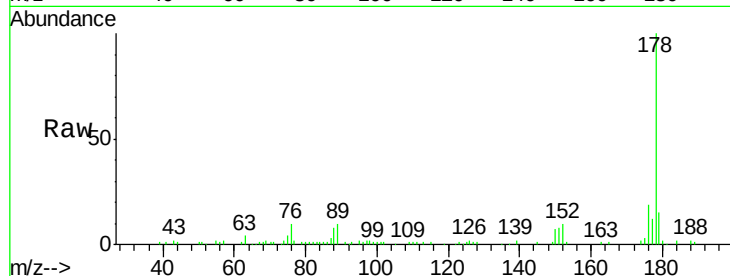
Tot Ion:178 Resp: 64628

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

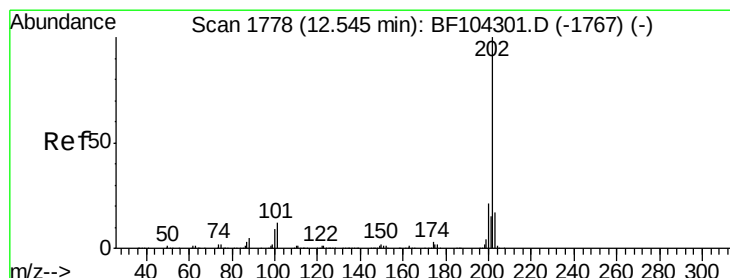
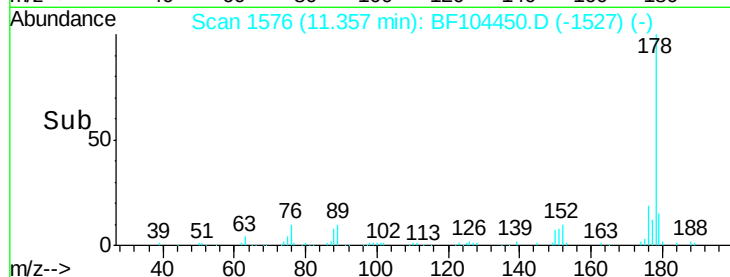
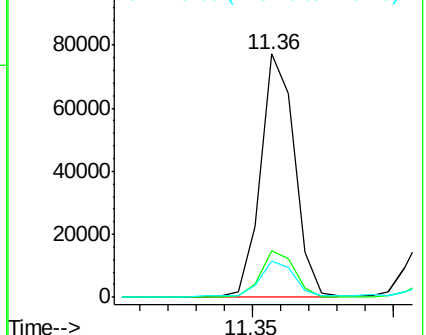
179 15.0 13.0 19.6



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



#74

Fluoranthene

Concen: 5.187 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

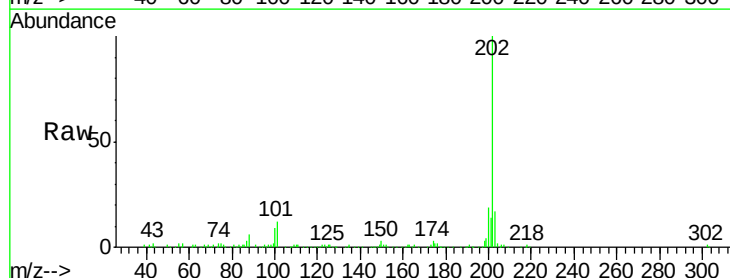
Tgt Ion:202 Resp: 112569

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

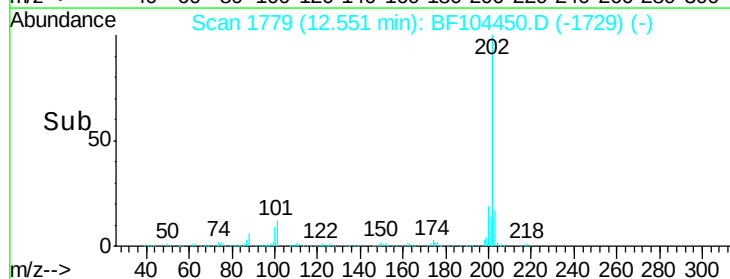
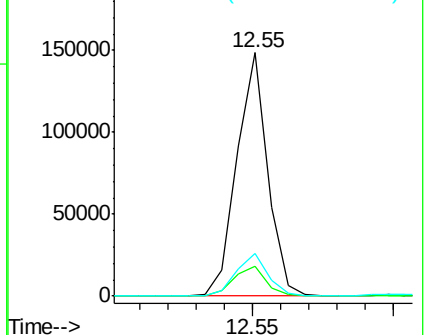
203 17.5 0.0 38.1

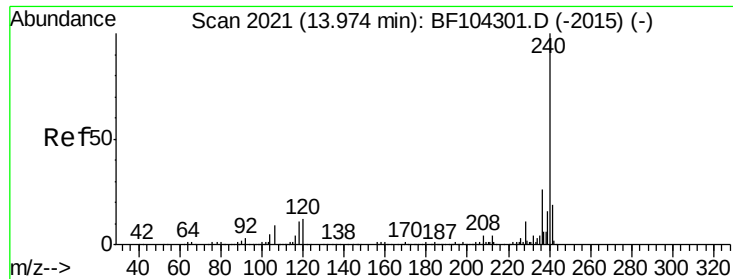


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

Instrument :

BNA_F

ClientSampleId :

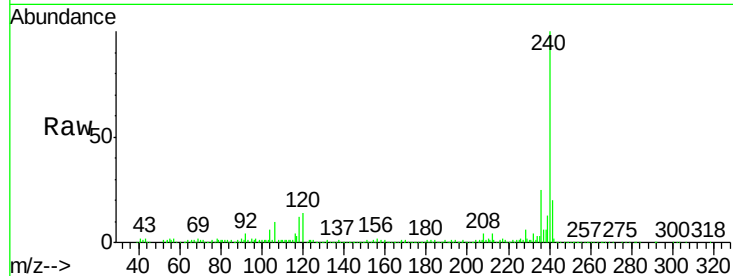
Tot Ion:240 Resp: 280965

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

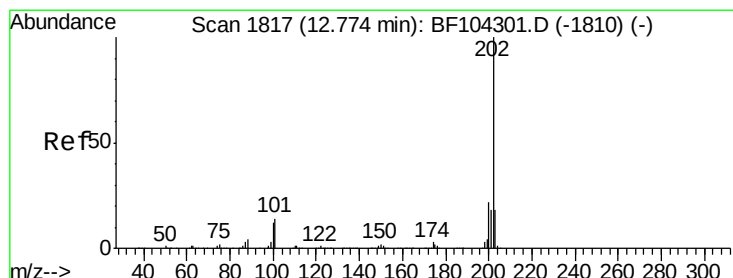
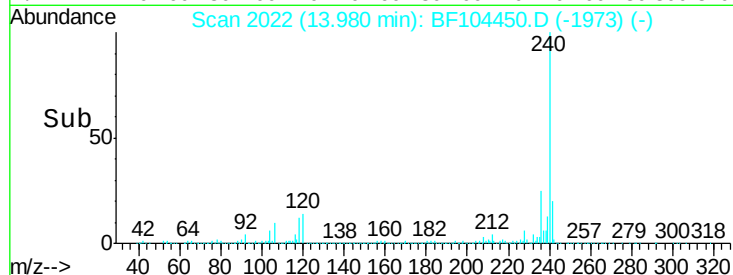
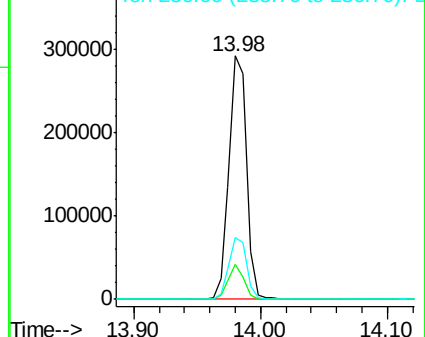
236 25.3 20.7 31.1



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: 5.178 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104450.D

Acq: 12 Apr 2018 14:55

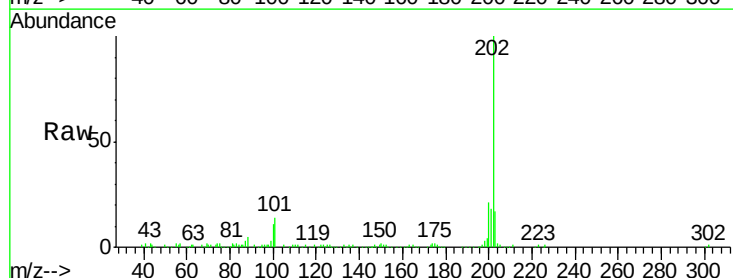
Tgt Ion:202 Resp: 107835

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

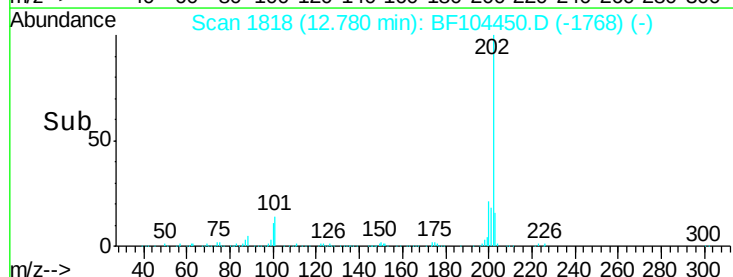
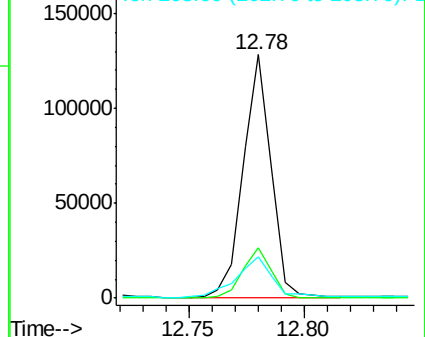
203 17.2 14.3 21.5

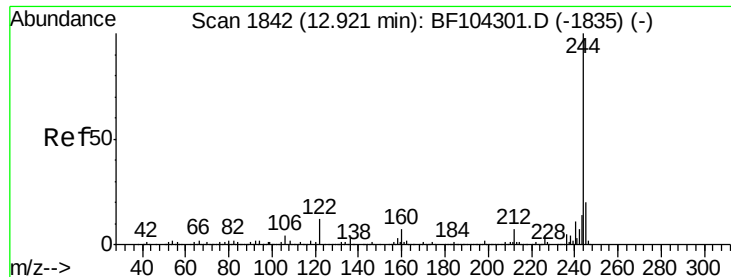


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

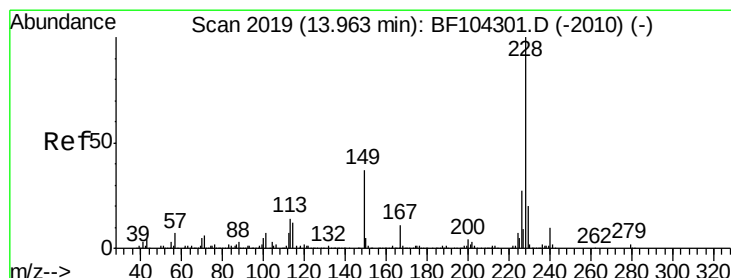
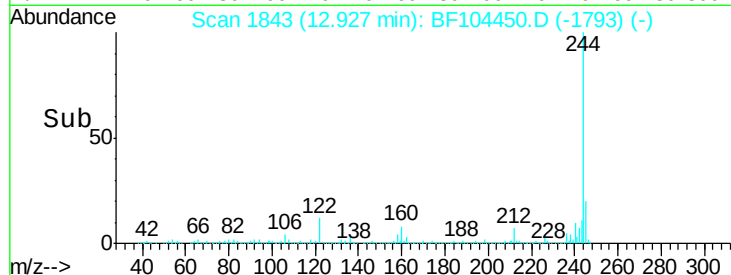
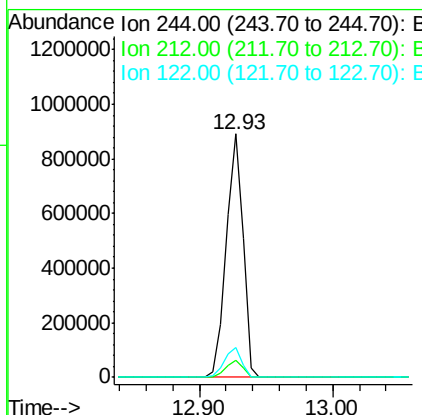
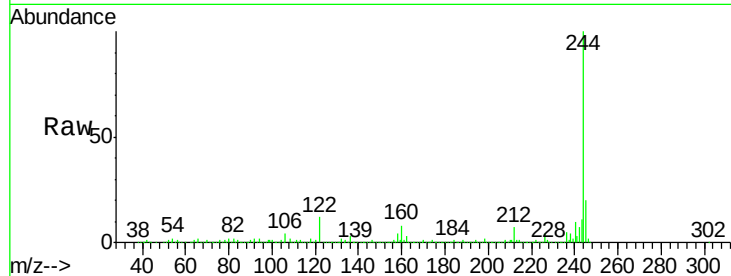




#78
 Terphenyl-d14
 Concen: 64.857 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

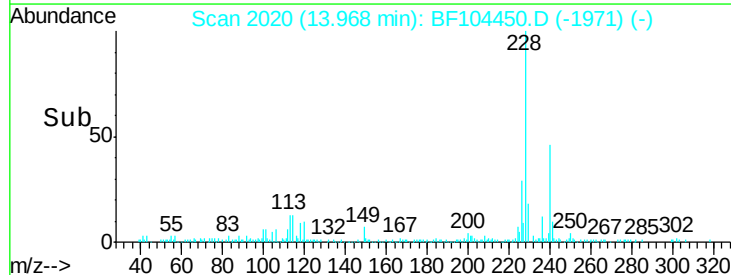
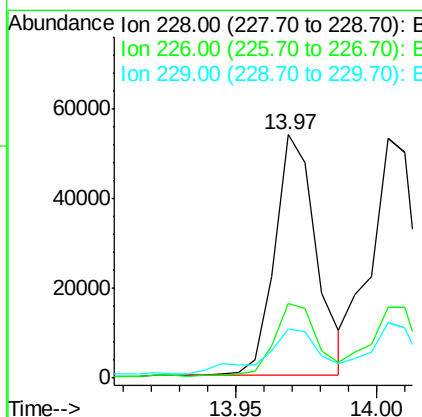
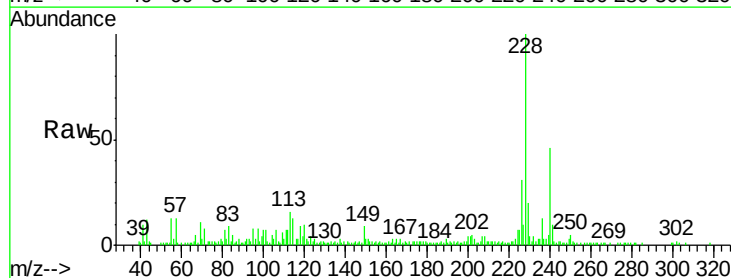
Instrument :
 BNA_F
 ClientSampled :

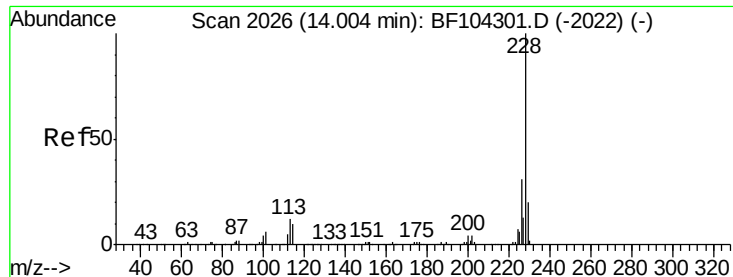
Tot Ion:244 Resp: 799300
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.285 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104450.D
 Acq: 12 Apr 2018 14:55

Tgt Ion:228 Resp: 55143
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.6 33.8
 229 20.4 15.8 23.6

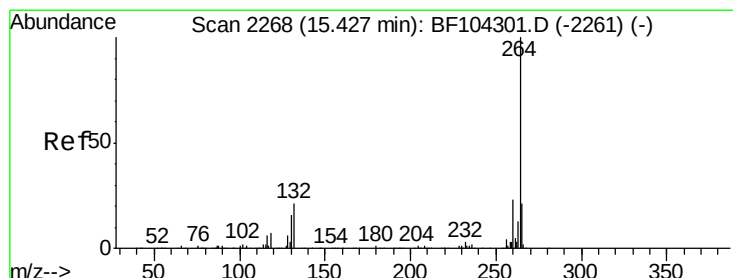
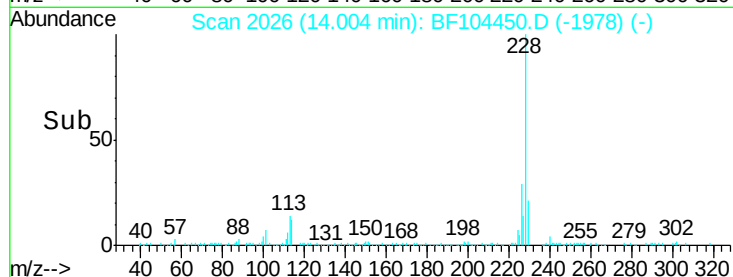
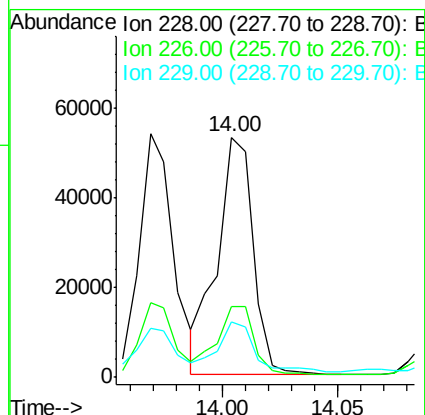
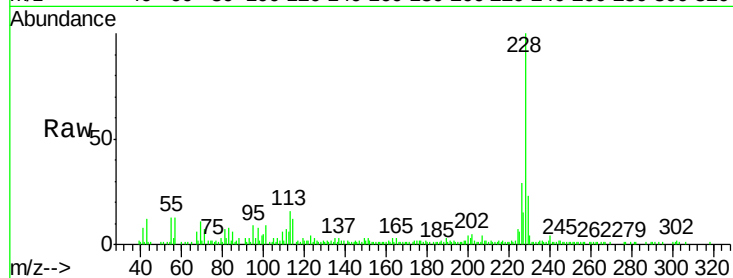




#82
Chrysene
Concen: 3.328 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

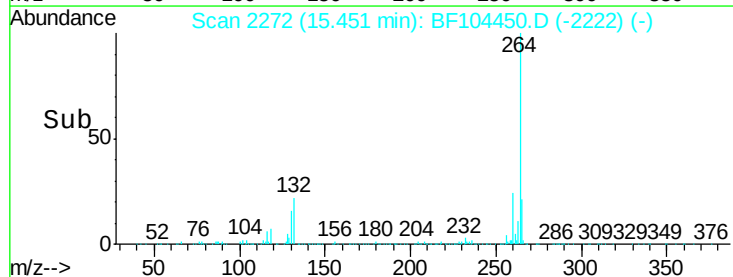
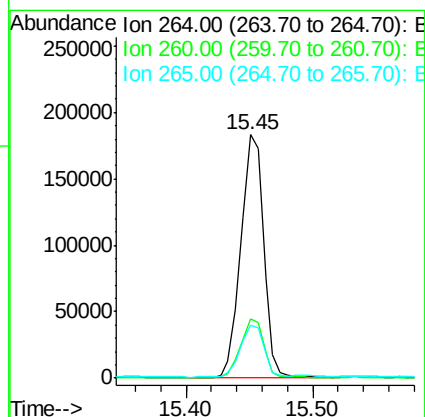
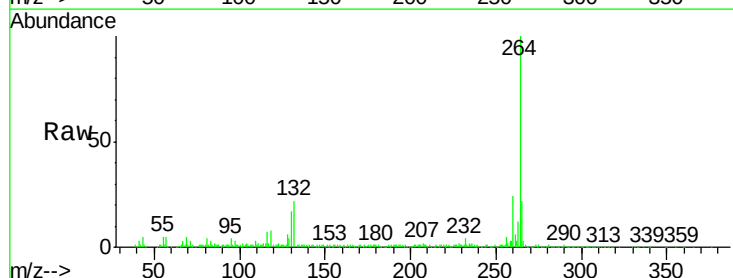
Instrument :
BNA_F
ClientSampleId :

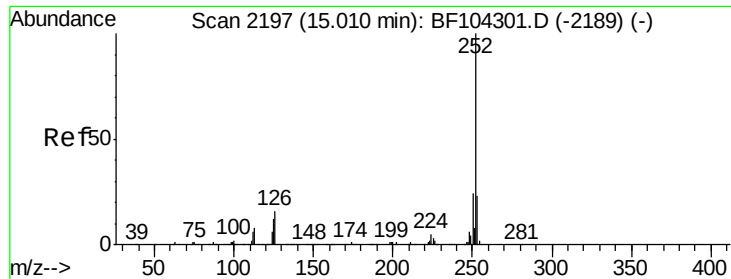
Tot Ion:228 Resp: 57380
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 22.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Tgt Ion:264 Resp: 227859
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.6 17.5 26.3

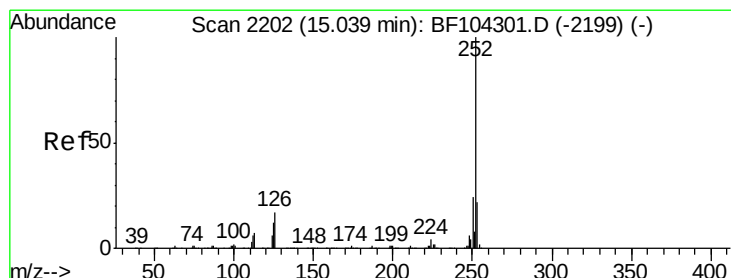
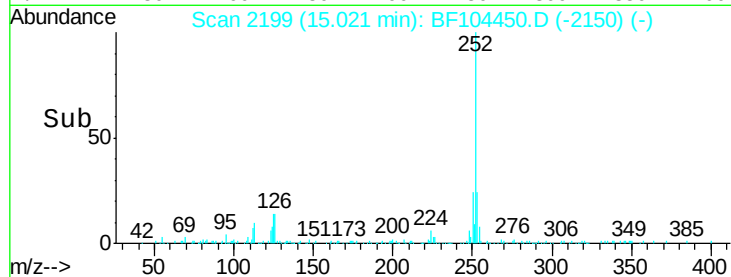
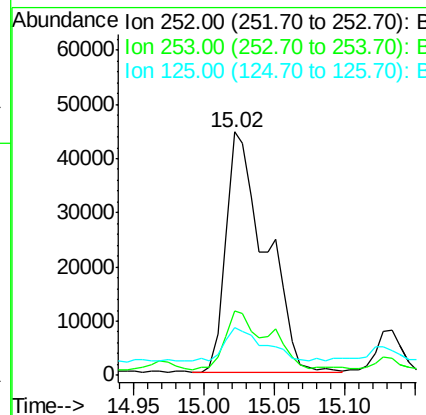
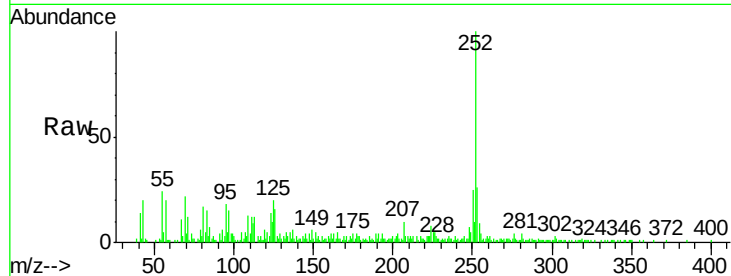




#87
Benzo(b)fluoranthene
Concen: 6.013 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

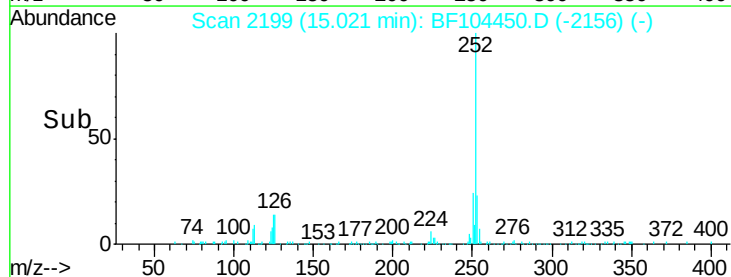
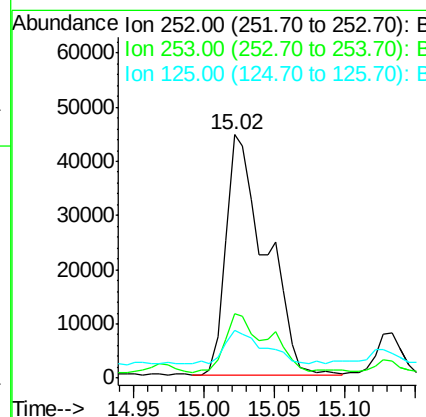
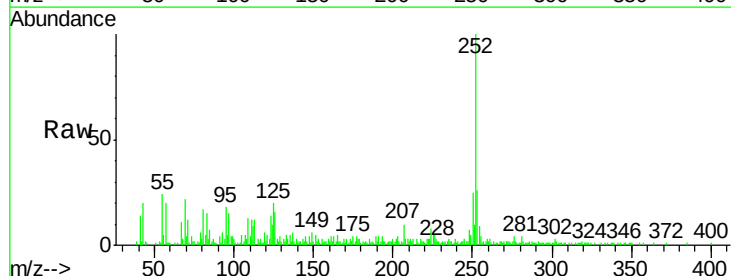
Instrument :
BNA_F
ClientSampleId :

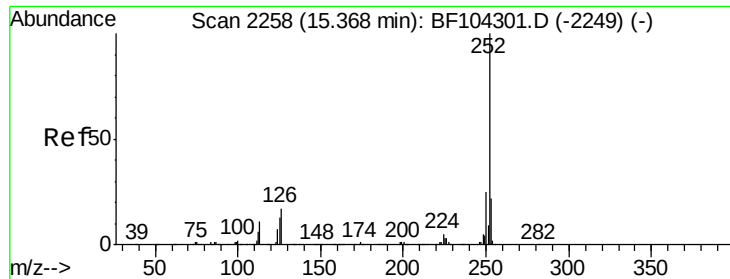
Tot Ion:252 Resp: 86540
Ion Ratio Lower Upper
252 100
253 26.3 17.0 25.6#
125 19.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.370 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Tgt Ion:252 Resp: 86540
Ion Ratio Lower Upper
252 100
253 26.3 17.9 26.9
125 19.6 10.2 15.2#

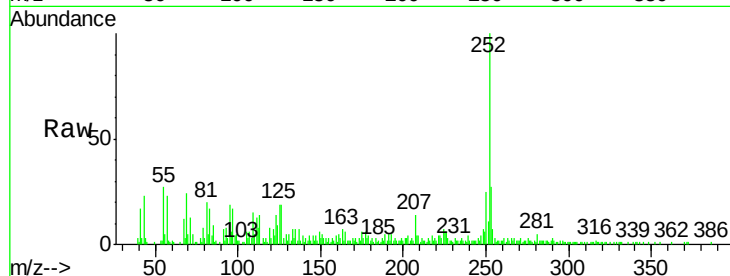




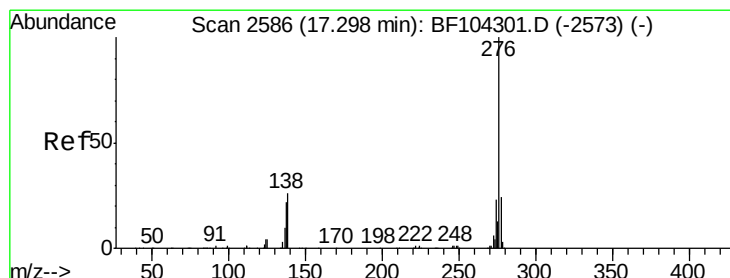
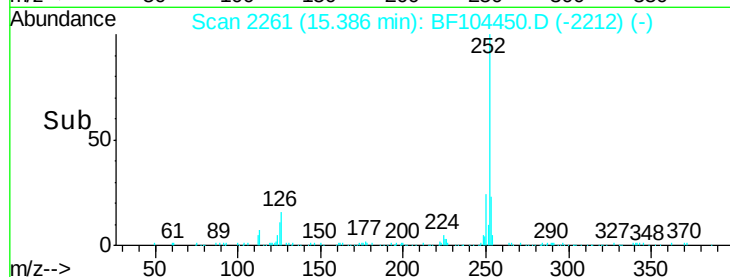
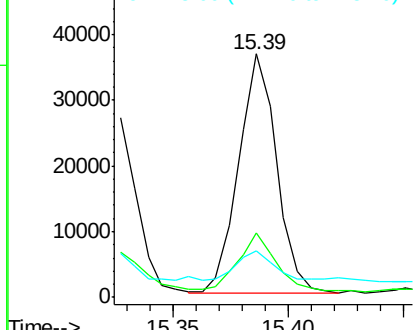
#89
Benzo(a)pyrene
Concen: 3.263 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 42013
Ion Ratio Lower Upper
252 100
253 26.7 17.1 25.7#
125 19.3 9.8 14.6#

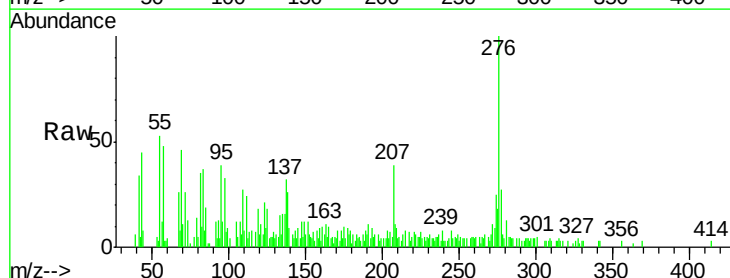


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.381 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF104450.D
Acq: 12 Apr 2018 14:55

Tgt Ion:276 Resp: 24391
Ion Ratio Lower Upper
276 100
277 27.4 17.9 26.9#
138 25.5 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

