

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104423.D
 Acq On : 10 Apr 2018 22:32
 Operator : JU/SJ
 Sample : J2270-05DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:57:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118480	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	451895	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	169231	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	256038	20.00	ng	0.00
75) Chrysene-d12	13.98	240	253421	20.00	ng	0.00
86) Perylene-d12	15.44	264	186347	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	153295	19.78	ng	0.00
7) Phenol-d6	6.42	99	184558	19.39	ng	-0.02
23) Nitrobenzene-d5	7.36	82	102496	14.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	28551	16.26	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	149192	13.93	ng	0.00
78) Terphenyl-d14	12.92	244	111334	10.02	ng	0.00

Target Compounds

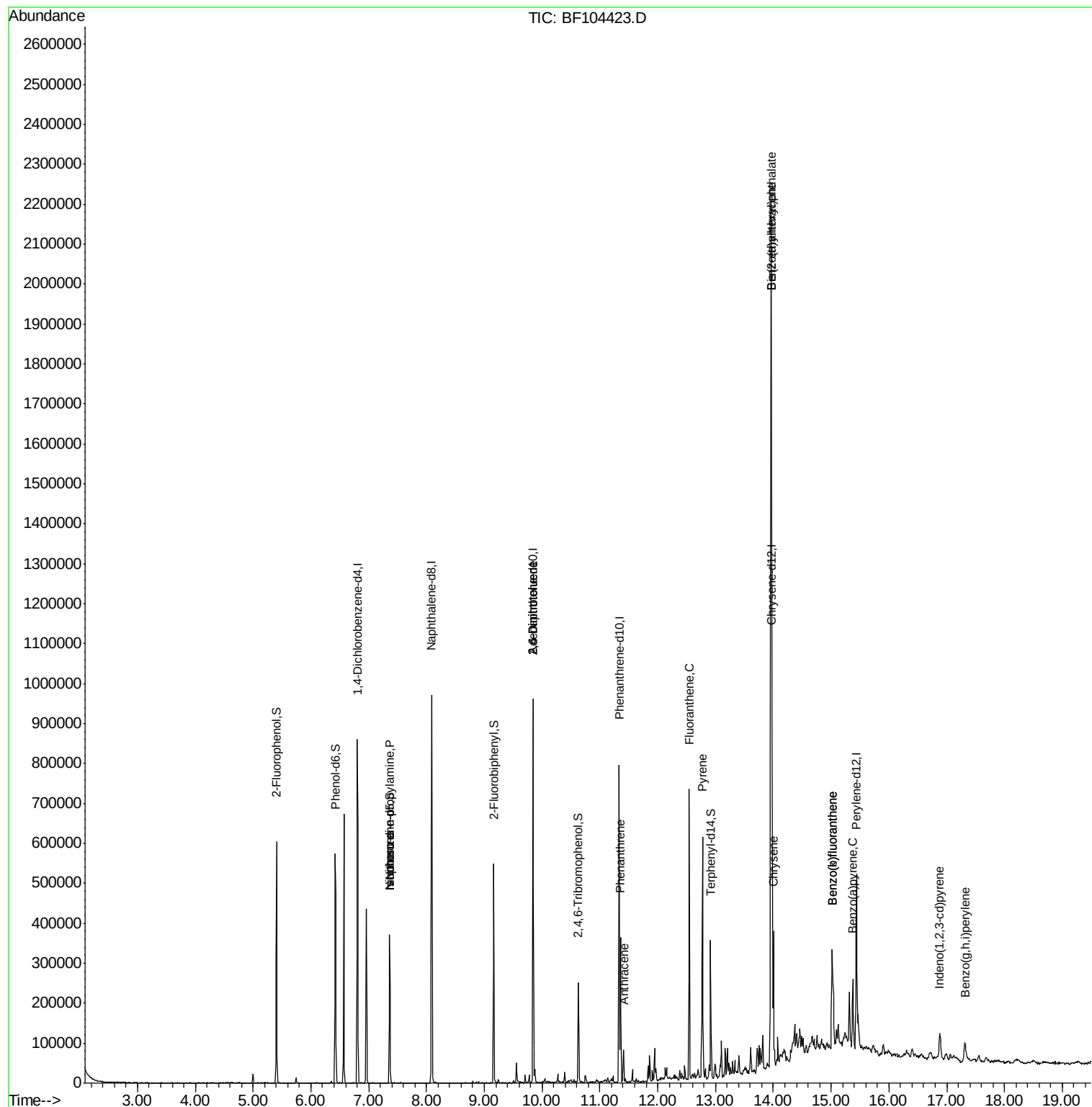
						Qvalue
9) Benzaldehyde	6.57	77	3215	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.36	70	13085	2.103 ng	#	75
25) Isophorone	7.36	82	102359	6.994 ng	#	64
50) 2,6-Dinitrotoluene	9.85	165	21727	8.799 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	21727	6.708 ng	#	23
70) Phenanthrene	11.36	178	117836	8.264 ng		98
71) Anthracene	11.41	178	31637	2.183 ng		97
74) Fluoranthene	12.54	202	277884	18.653 ng		99
76) Benzidine	12.92	184	1532	Below Cal	#	76
77) Pyrene	12.77	202	252341	13.434 ng		98
80) Benzo(a)anthracene	13.97	228	131152	8.663 ng		97
82) Chrysene	14.00	228	127925	8.226 ng		97
83) Bis(2-ethylhexyl)phthalate	13.96	149	574814	50.498 ng		99
85) Indeno(1,2,3-cd)pyrene	16.88	276	39804	3.013 ng		95
87) Benzo(b)fluoranthene	15.02	252	168271	14.297 ng	#	97
88) Benzo(k)fluoranthene	15.02	252	168271	15.144 ng		99
89) Benzo(a)pyrene	15.38	252	79572	7.556 ng		98
91) Benzo(g,h,i)perylene	17.32	276	39943	4.767 ng		95

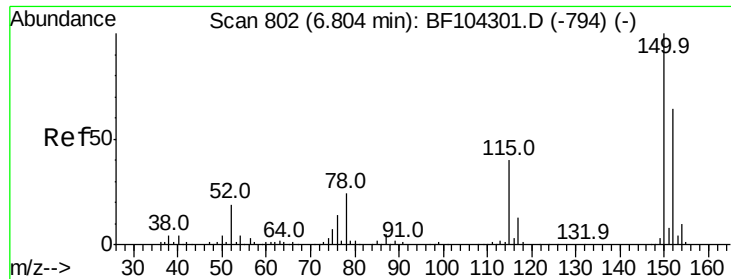
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104423.D
Acq On : 10 Apr 2018 22:32
Operator : JU/SJ
Sample : J2270-05DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Apr 11 00:57:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 10 12:04:31 2018
Response via : Initial Calibration



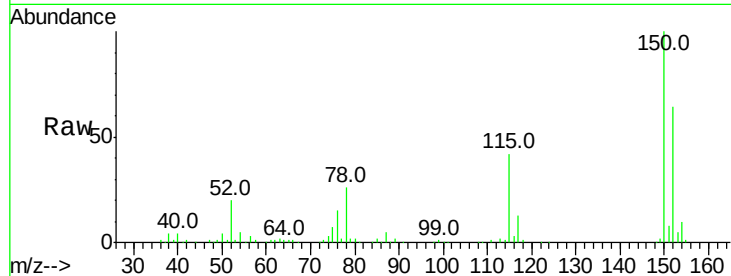


#1

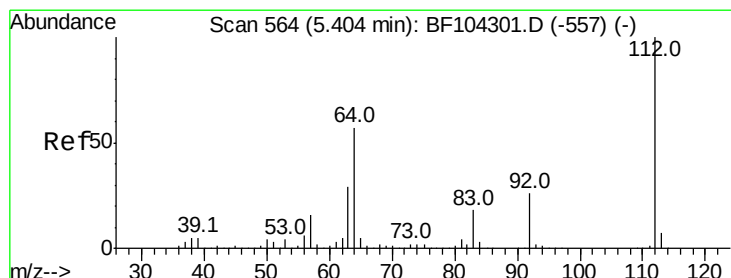
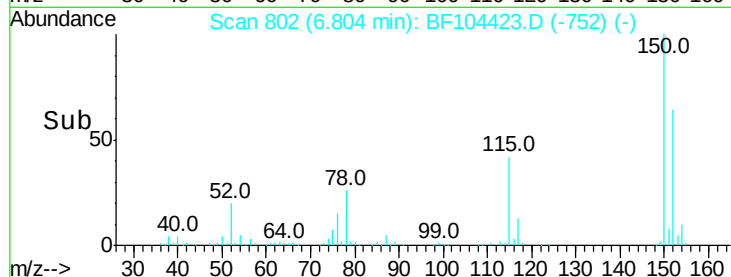
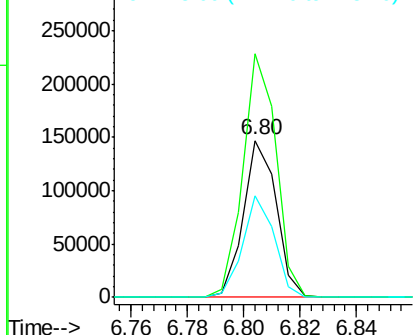
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118480
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 64.6 50.1 75.1



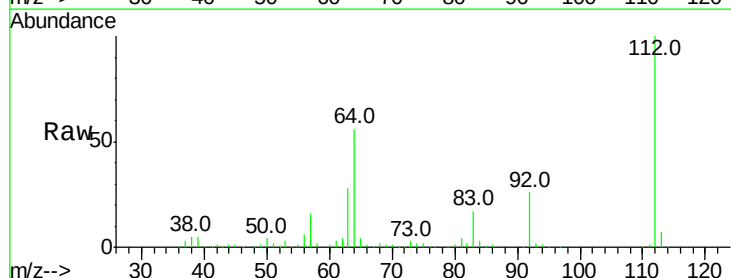
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



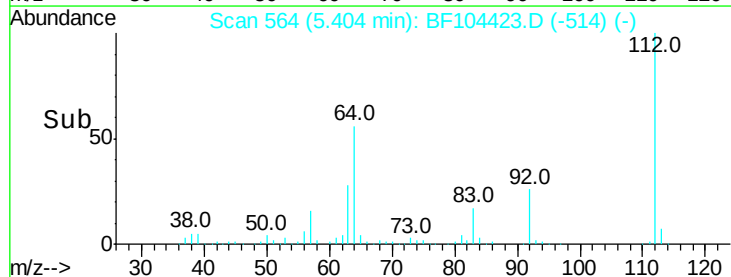
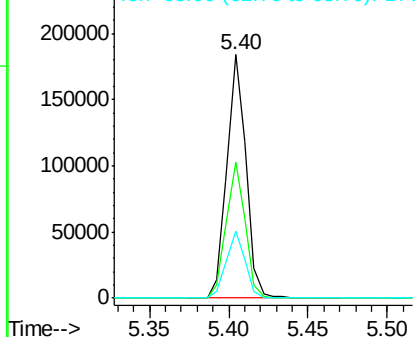
#5

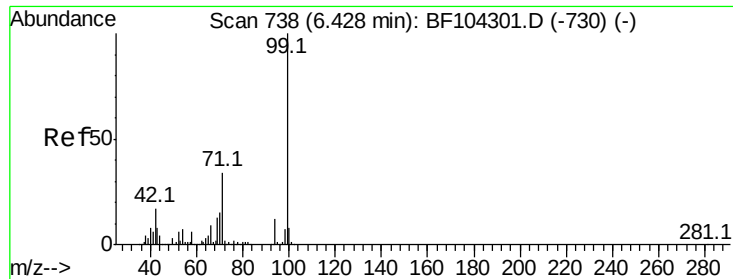
2-Fluorophenol
Concen: 19.784 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:112 Resp: 153295
Ion Ratio Lower Upper
112 100
64 56.1 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: 19.385 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

ClientSampleId :

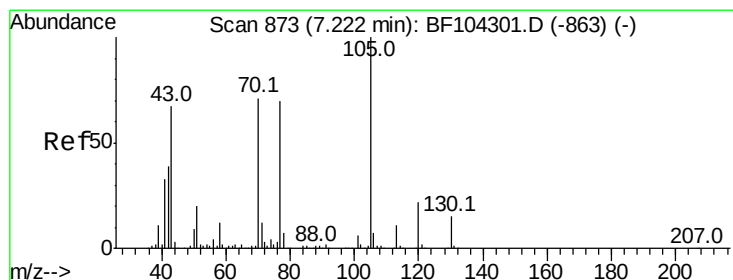
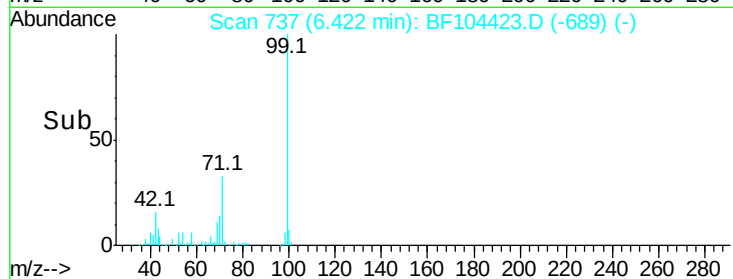
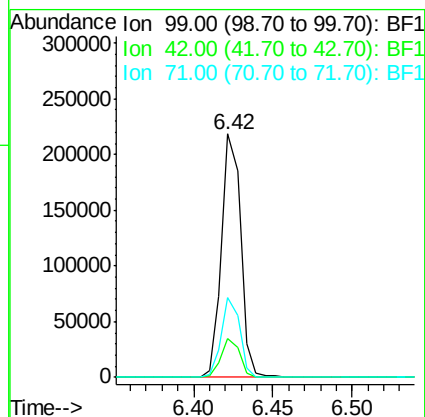
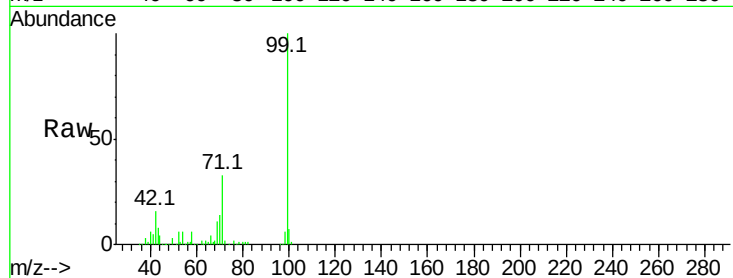
Tot Ion: 99 Resp: 184558

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.103 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Tgt Ion: 70 Resp: 13085

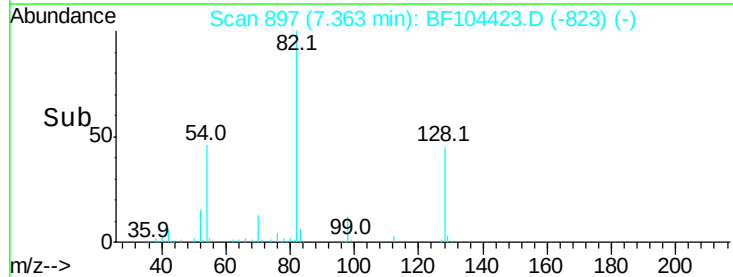
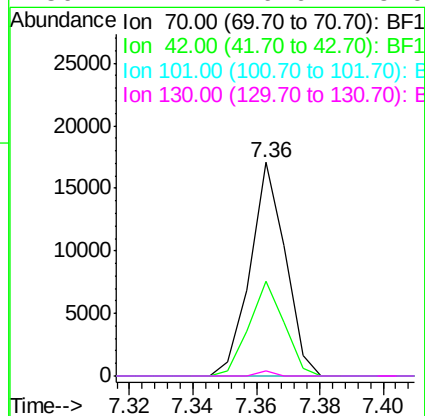
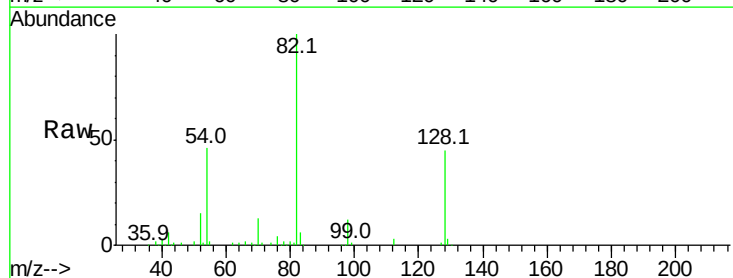
Ion Ratio Lower Upper

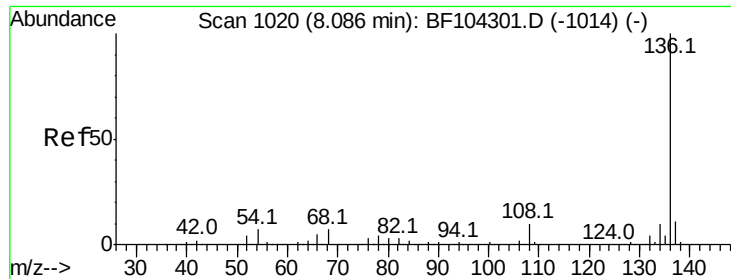
70 100

42 44.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

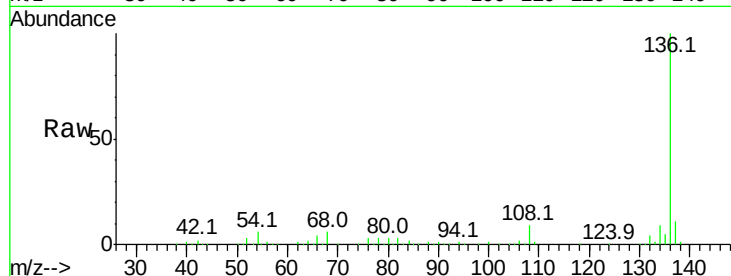




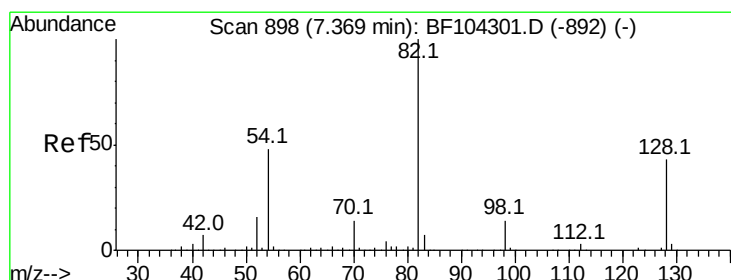
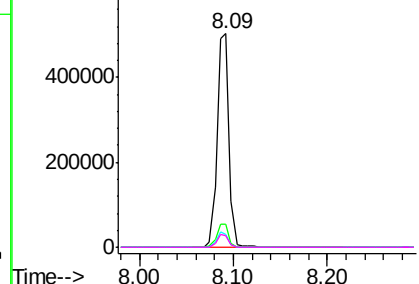
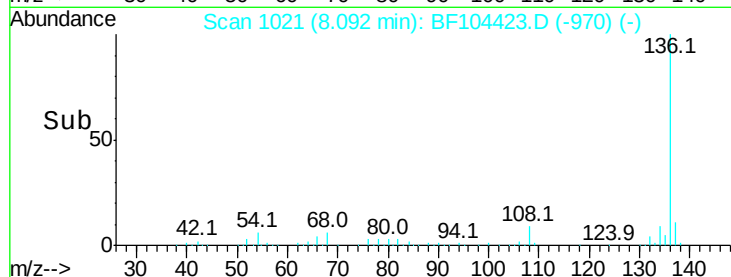
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	451895
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.0	6.6	9.8#
68	5.6	5.0	7.4

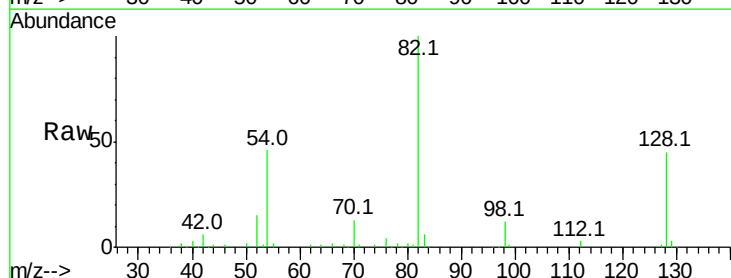


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

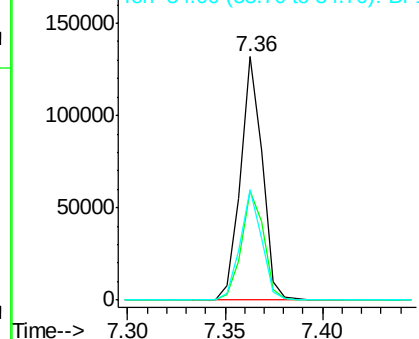
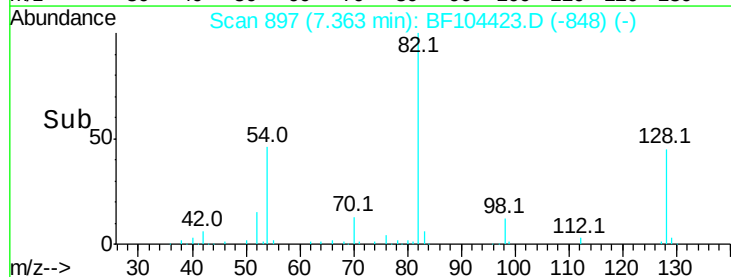


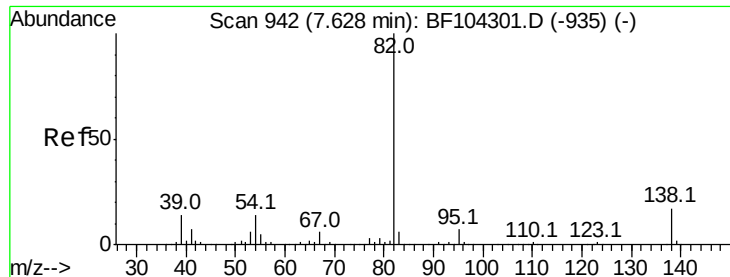
#23
Nitrobenzene-d5
Concen: 14.810 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:	82	Resp:	102496
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	45.5	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: 6.994 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.27 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

ClientSampleId :

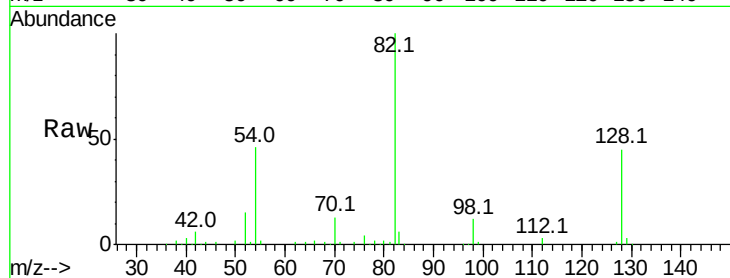
Tot Ion: 82 Resp: 102359

Ion Ratio Lower Upper

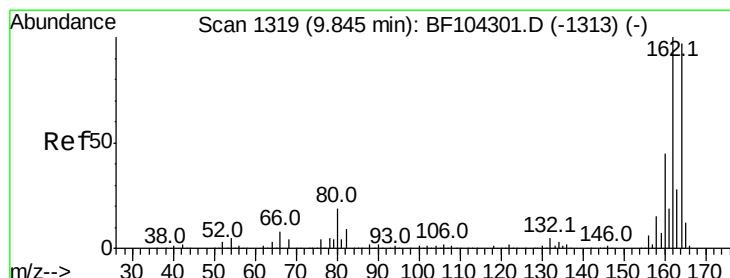
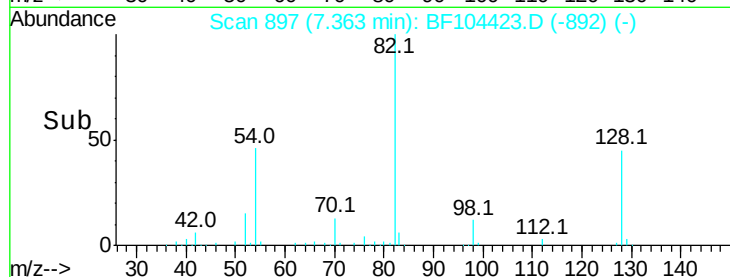
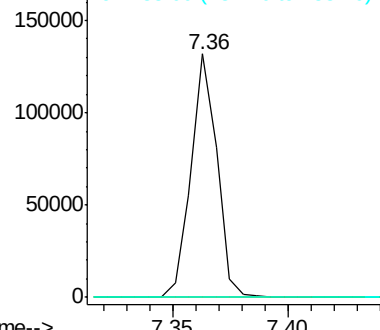
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

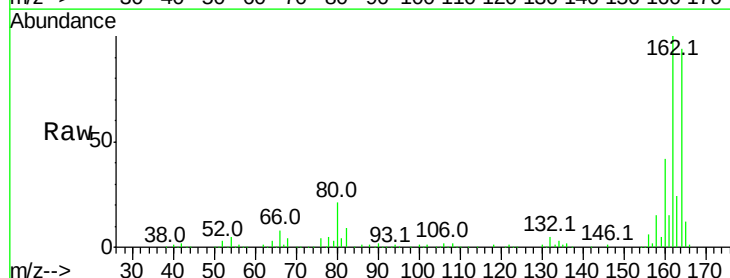
Tgt Ion:164 Resp: 169231

Ion Ratio Lower Upper

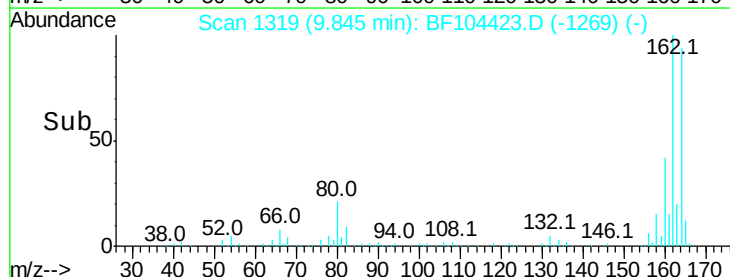
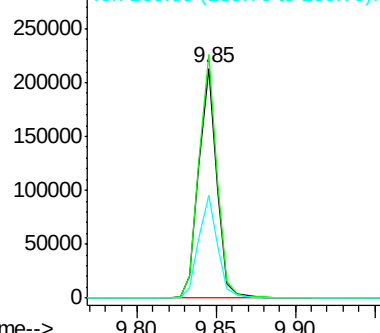
164 100

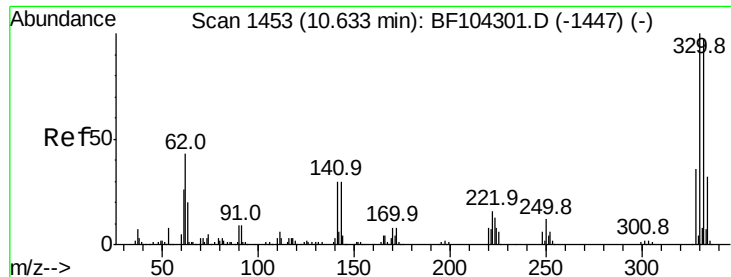
162 106.0 86.1 129.1

160 44.6 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

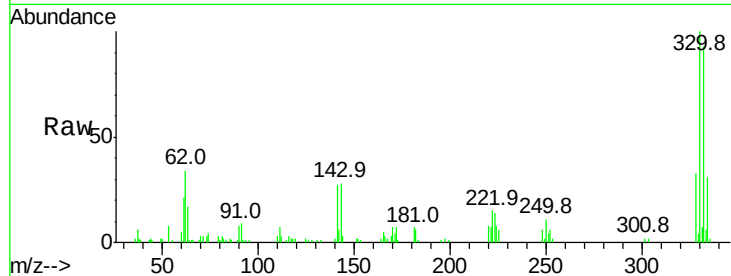




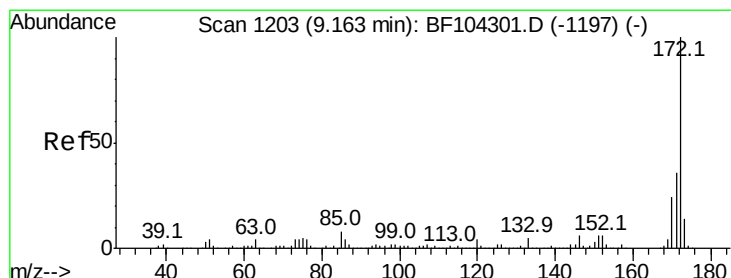
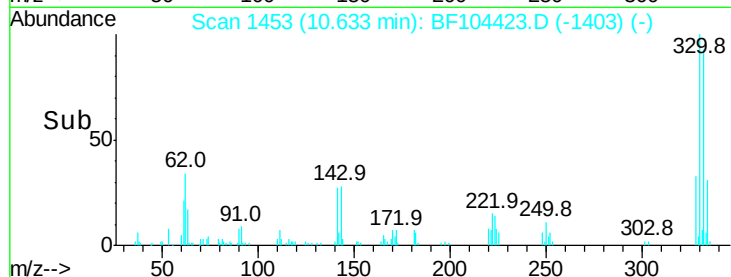
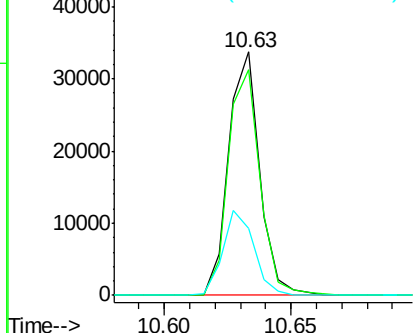
#41
 2,4,6-Tribromophenol
 Concen: 16.264 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	35.0	29.9	44.9

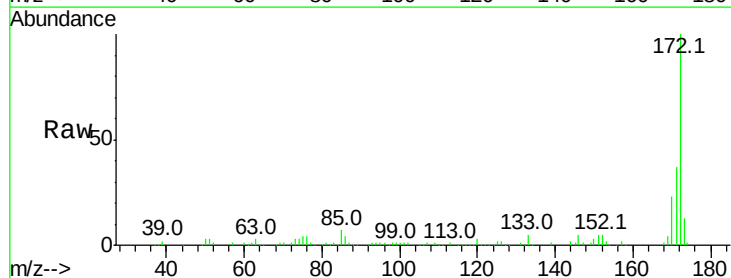


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

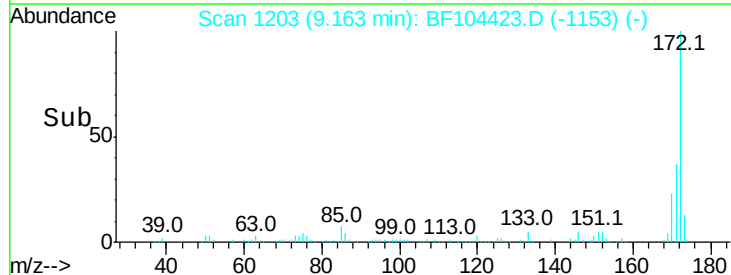
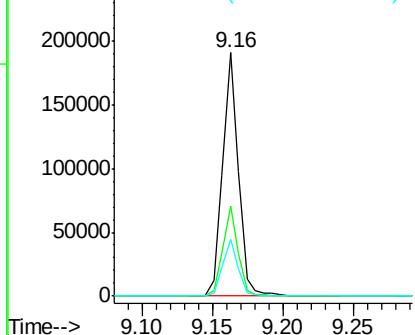


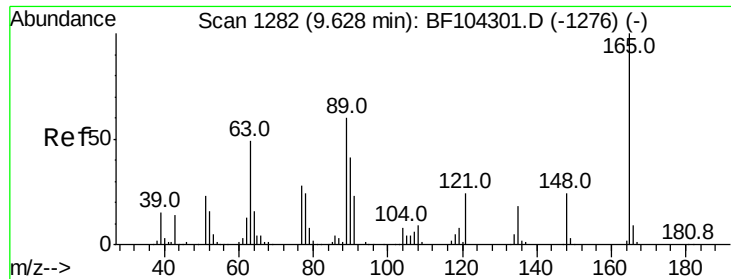
#44
 2-Fluorobiphenyl
 Concen: 13.927 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	23.5	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

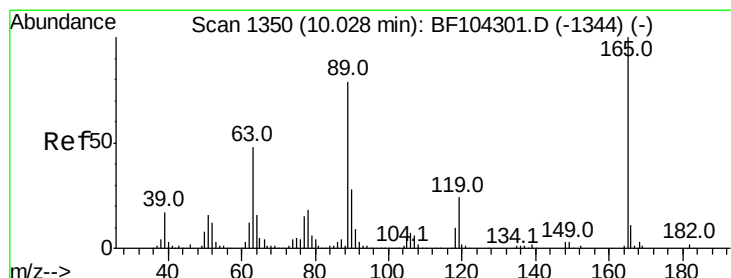
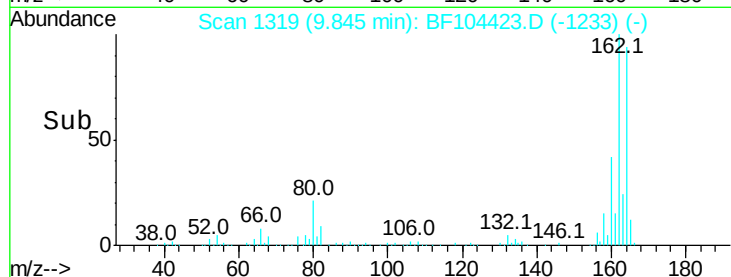
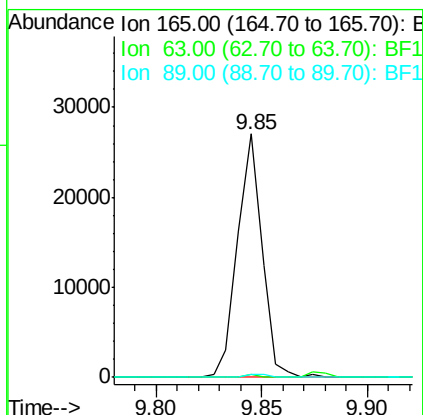
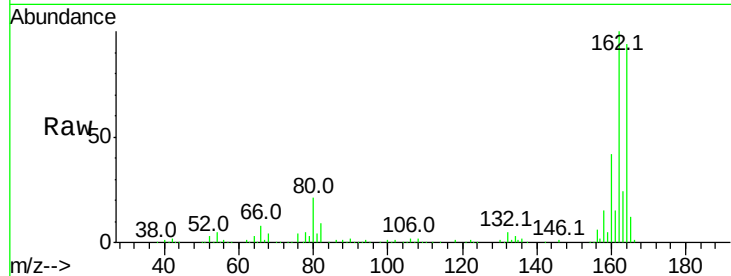




#50
 2,6-Dinitrotoluene
 Concen: 8.799 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

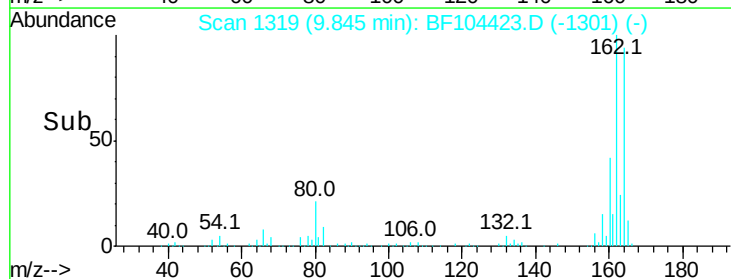
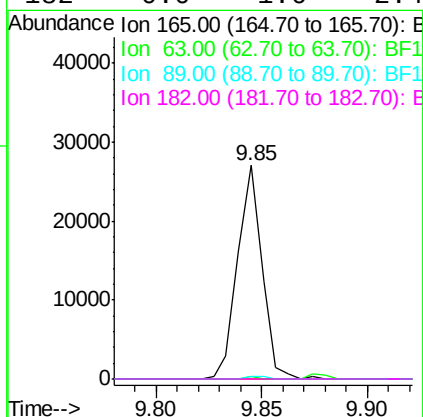
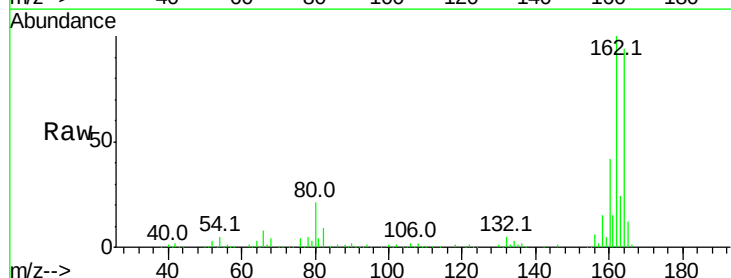
Instrument :
 BNA_F
 ClientSampleId :

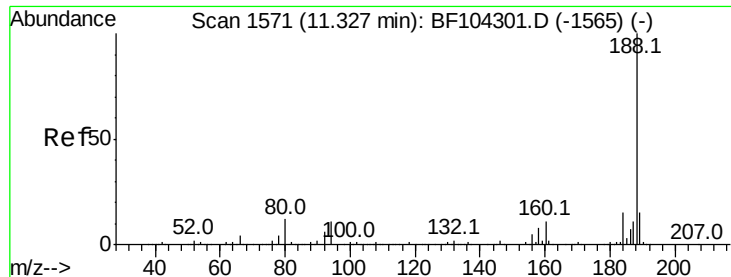
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.708 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

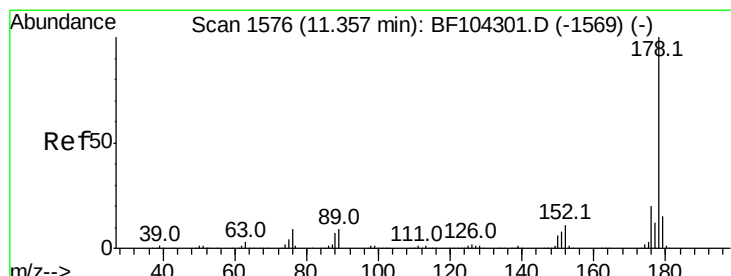
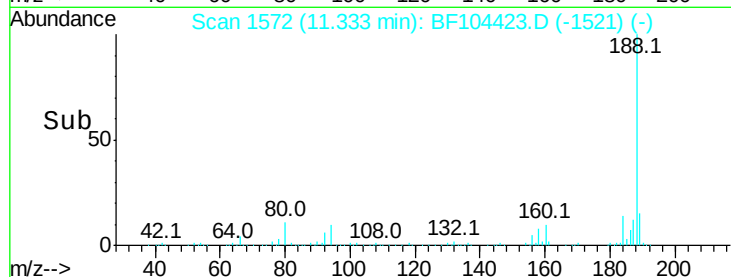
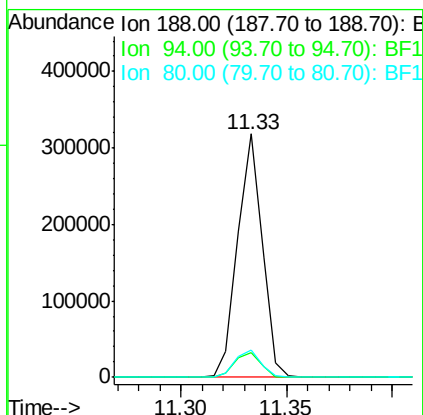
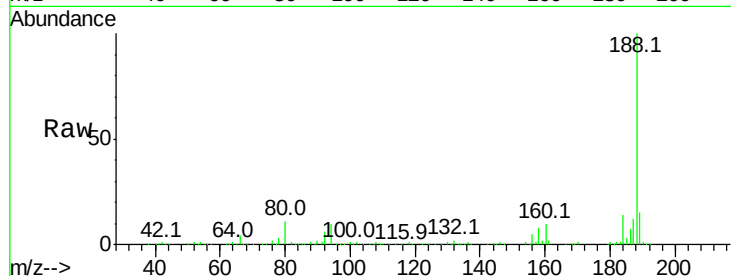




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

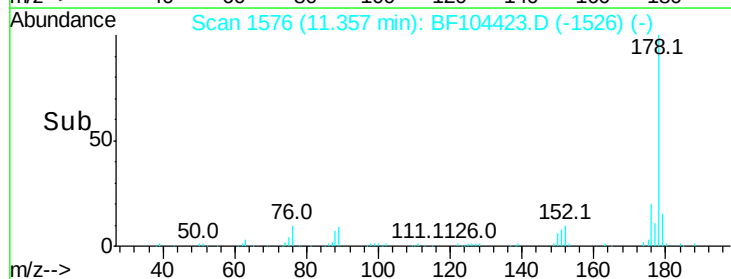
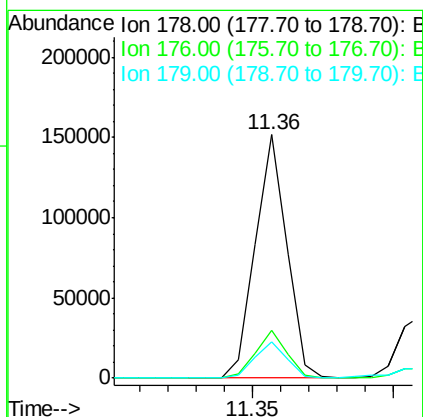
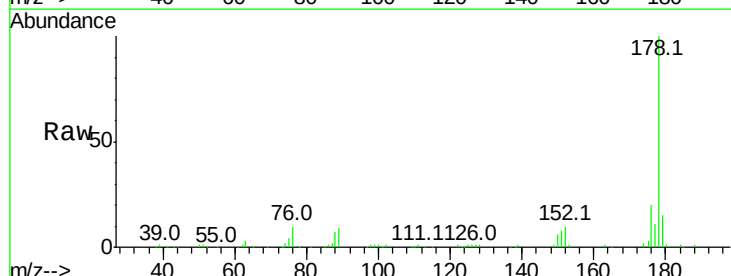
Instrument :
BNA_F
ClientSampleId :

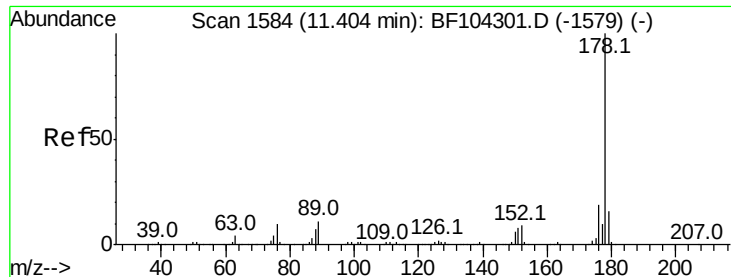
Tot Ion:188 Resp: 256038
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.2 9.2 13.8



#70
Phenanthrene
Concen: 8.264 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:178 Resp: 117836
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 14.9 13.0 19.6

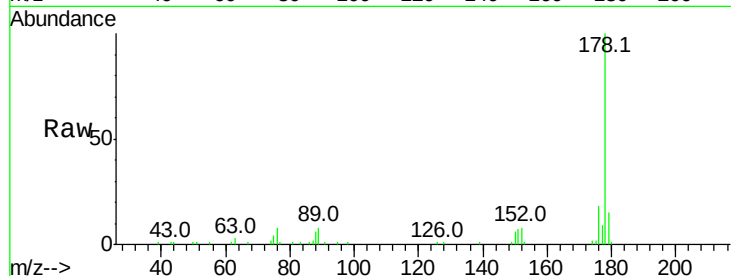




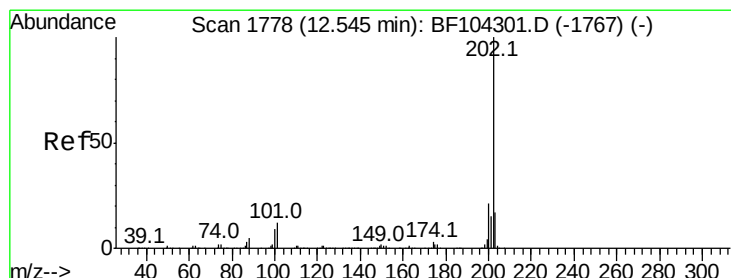
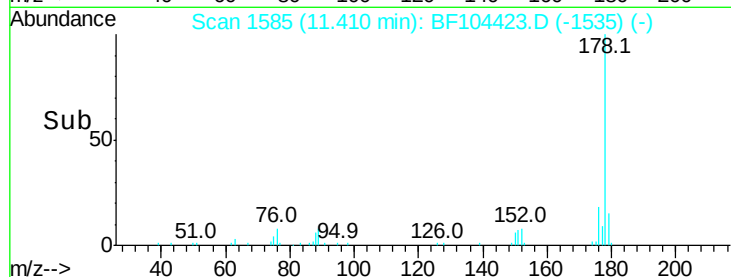
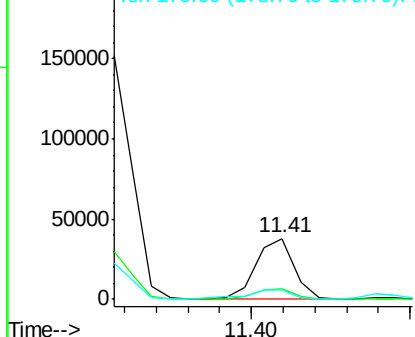
#71
 Anthracene
 Concen: 2.183 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 31637
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.1 12.6 19.0

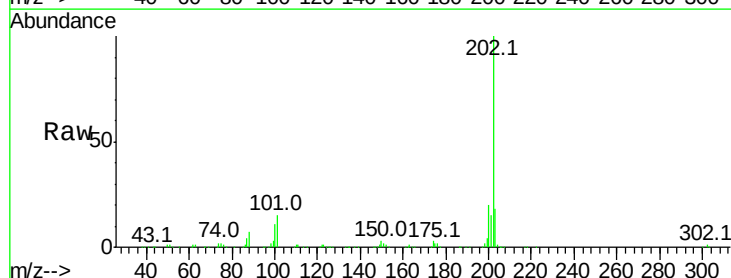


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

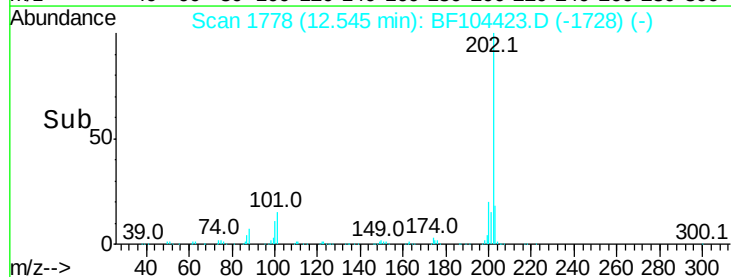
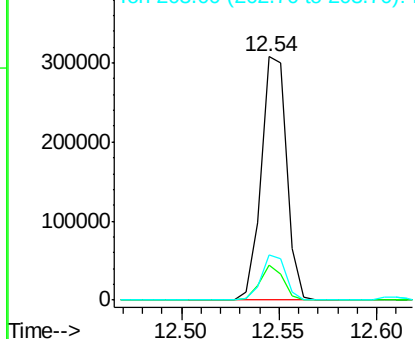


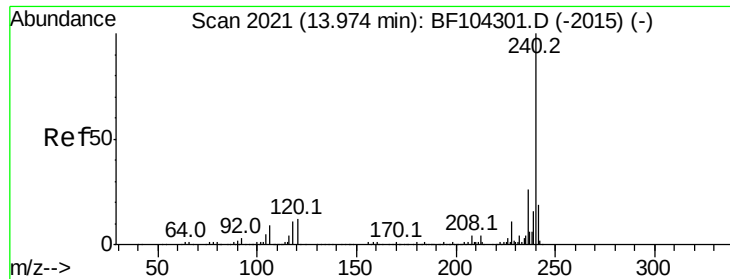
#74
 Fluoranthene
 Concen: 18.653 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion:202 Resp: 277884
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.1
 203 18.3 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: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

ClientSampleId :

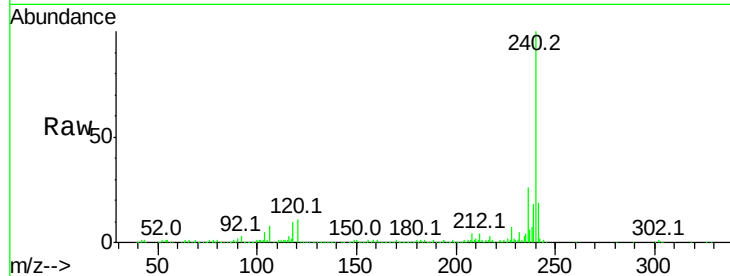
Tot Ion:240 Resp: 253421

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

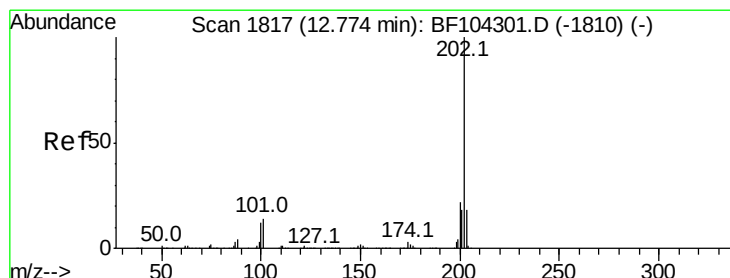
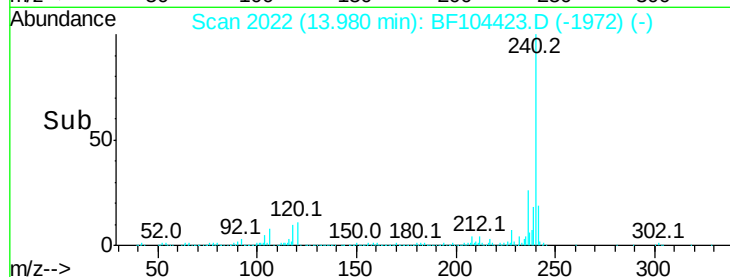
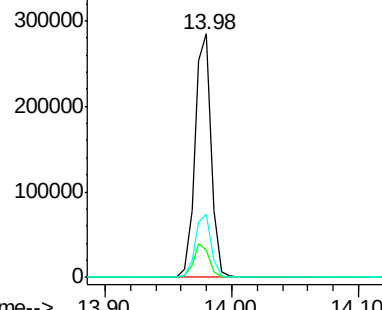
236 25.8 20.7 31.1



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: 13.434 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

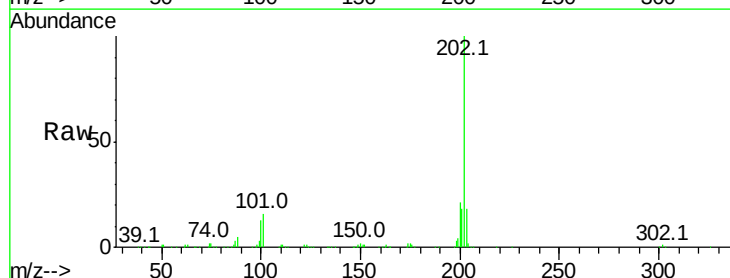
Tgt Ion:202 Resp: 252341

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

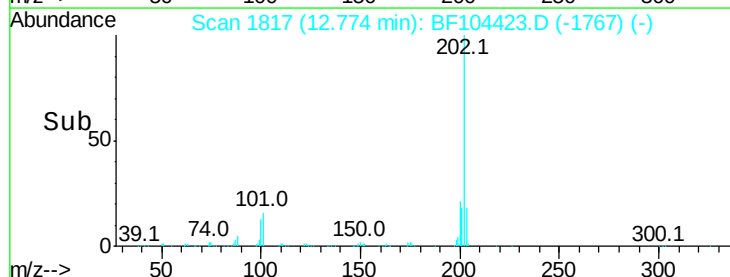
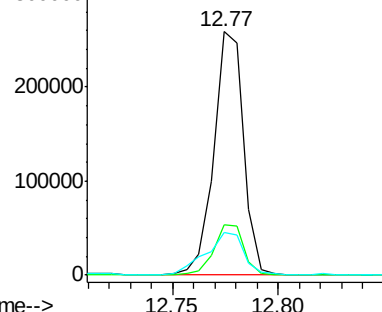
203 17.8 14.3 21.5

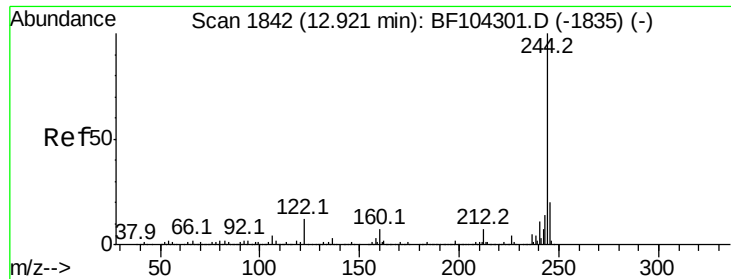


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



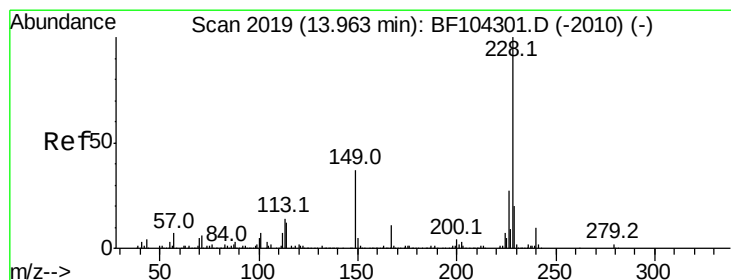
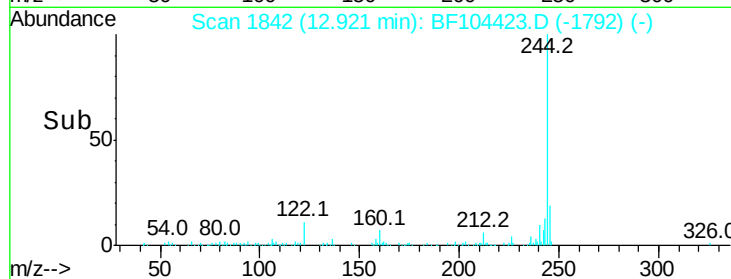
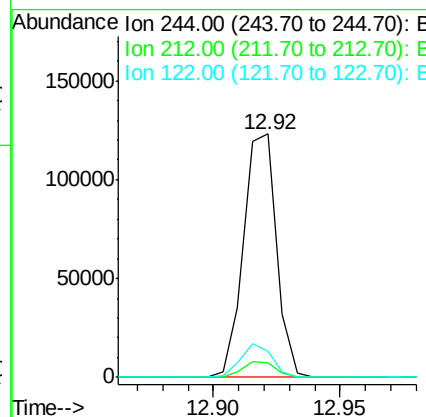
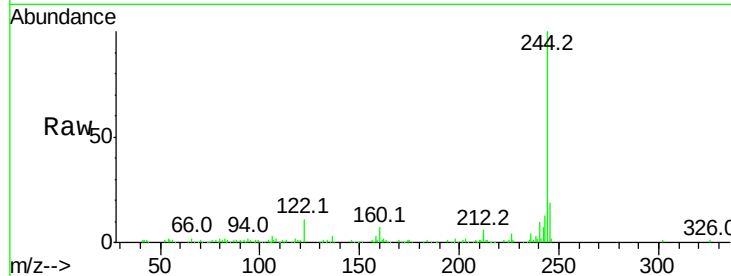


#78
 Terphenyl-d14
 Concen: 10.016 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 111334

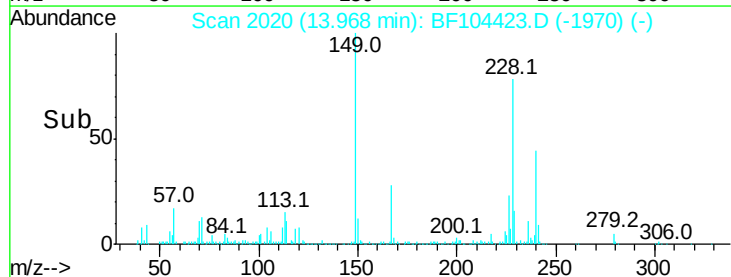
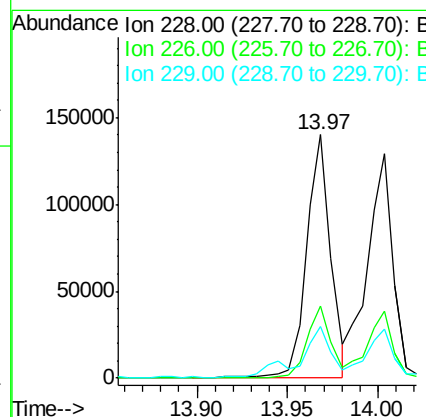
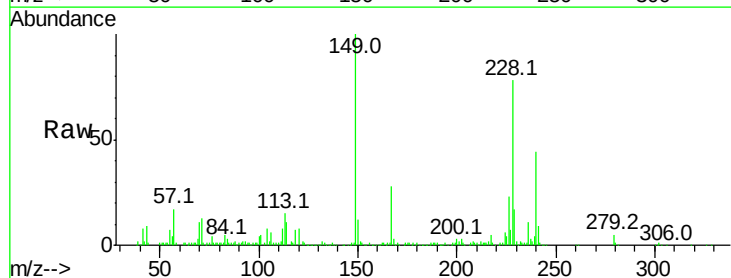
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	10.8	11.0	16.4

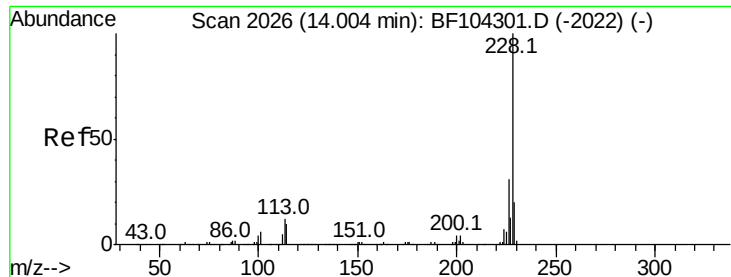


#80
 Benzo(a)anthracene
 Concen: 8.663 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion:228 Resp: 131152

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.4	15.8	23.6

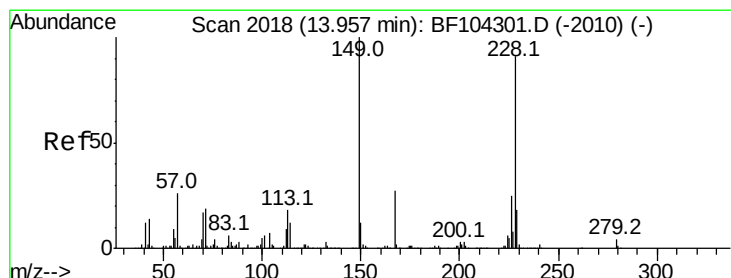
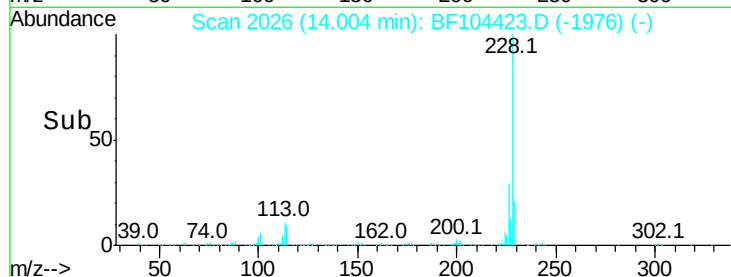
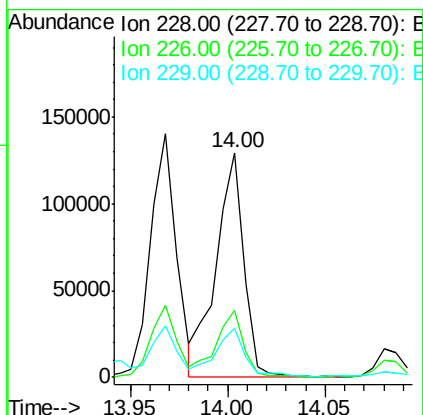
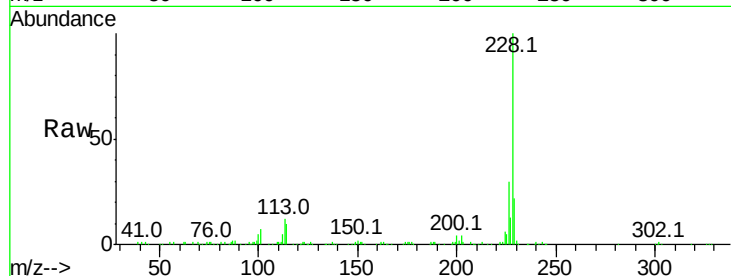




#82
Chrysene
Concen: 8.226 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

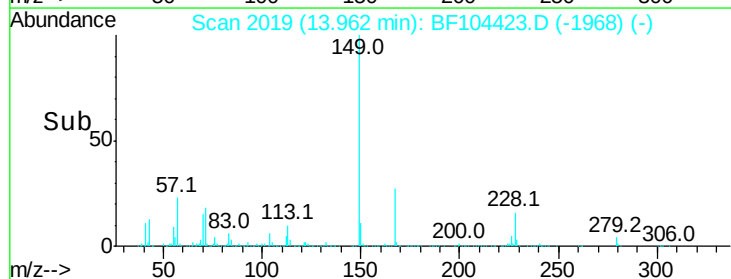
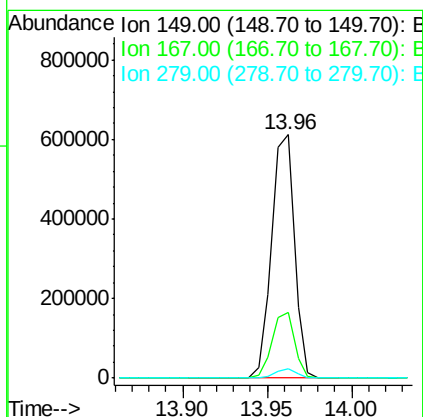
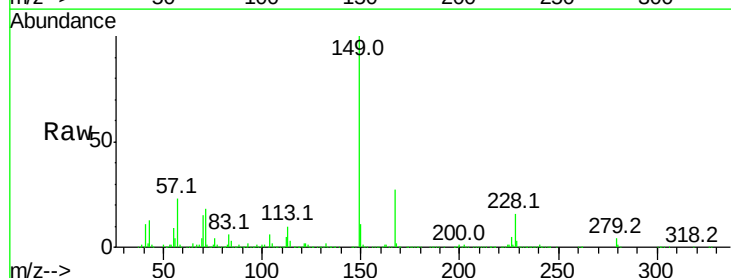
Instrument :
BNA_F
ClientSampleId :

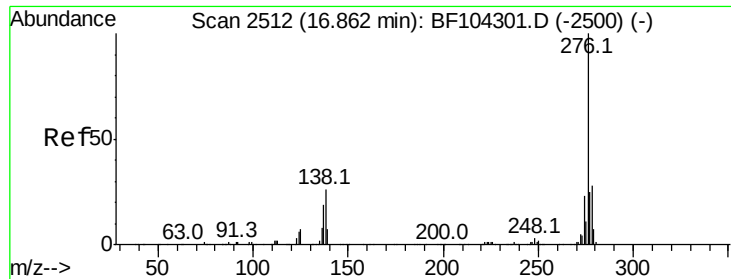
Tot Ion:228 Resp: 127925
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 21.7 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 50.498 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:149 Resp: 574814
Ion Ratio Lower Upper
149 100
167 26.9 21.3 31.9
279 3.7 3.0 4.4

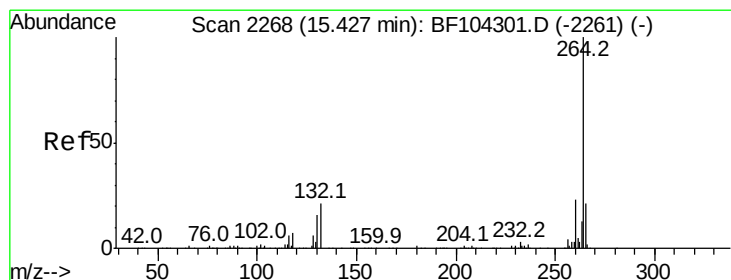
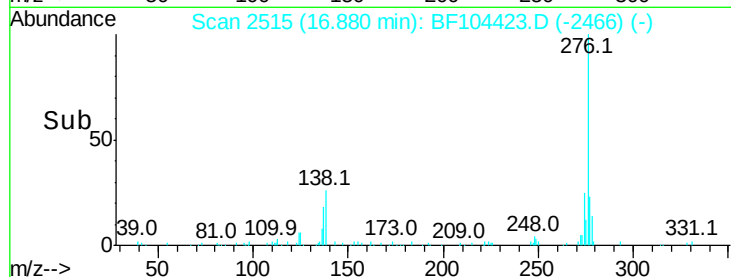
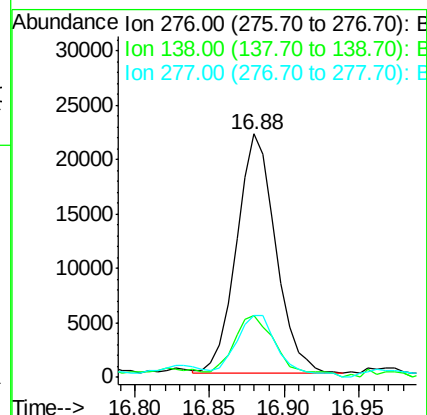
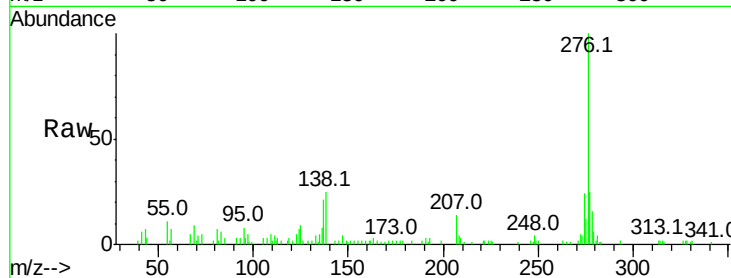




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.013 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

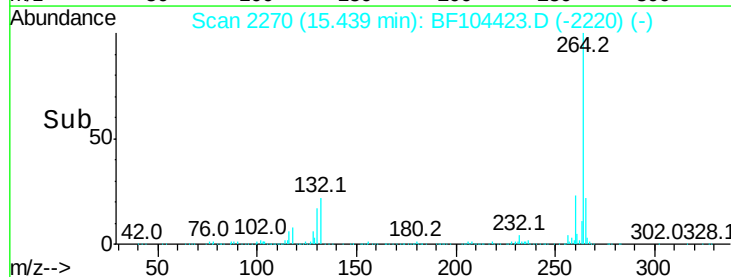
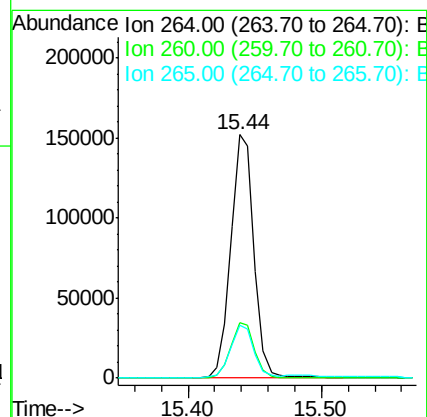
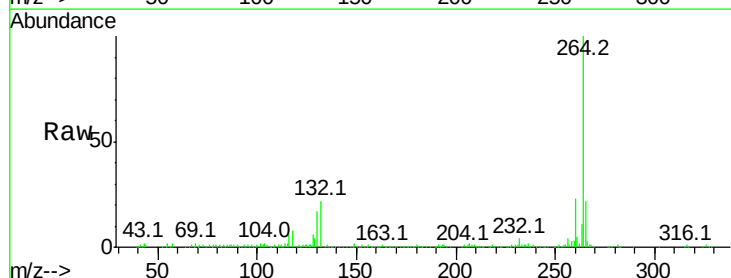
Instrument :
 BNA_F
 ClientSampleId :

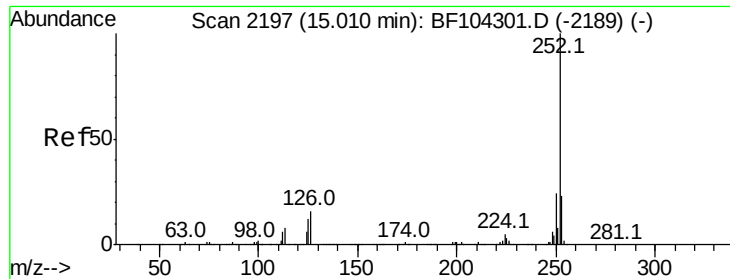
Tot Ion:276 Resp: 39804
 Ion Ratio Lower Upper
 276 100
 138 28.9 25.0 37.6
 277 28.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion:264 Resp: 186347
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 21.9 17.5 26.3

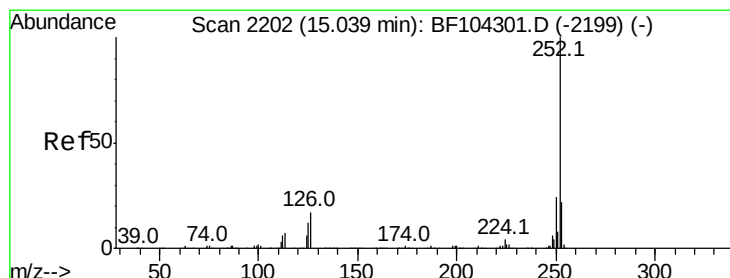
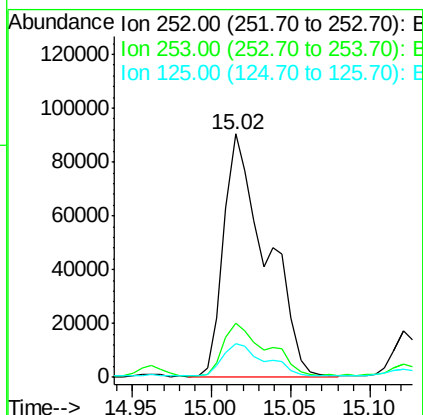
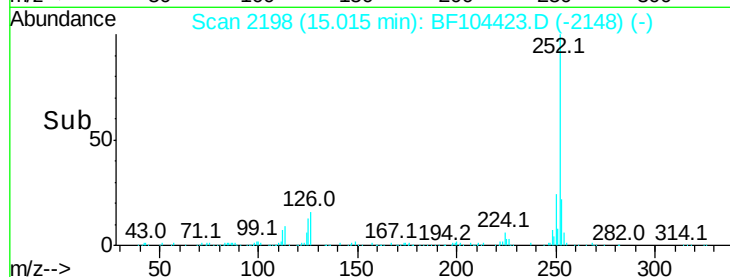
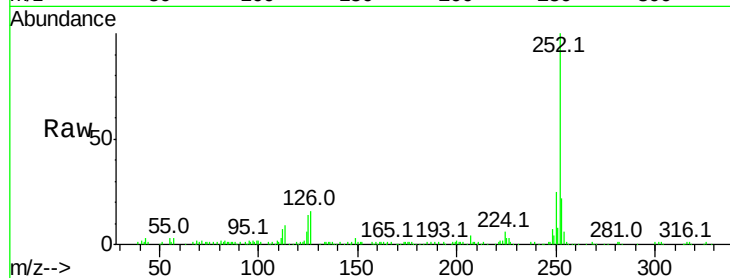




#87
Benzo(b)fluoranthene
Concen: 14.297 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

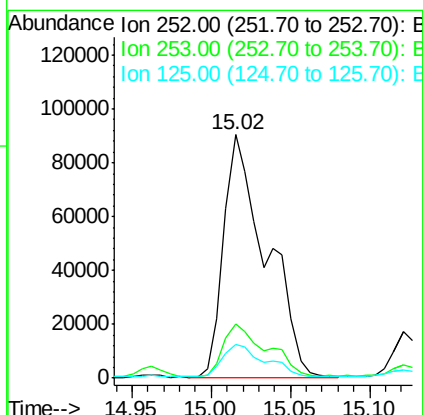
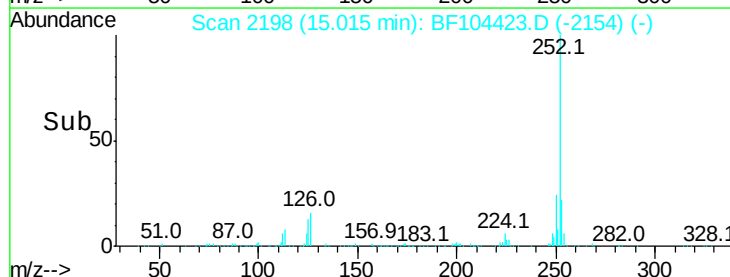
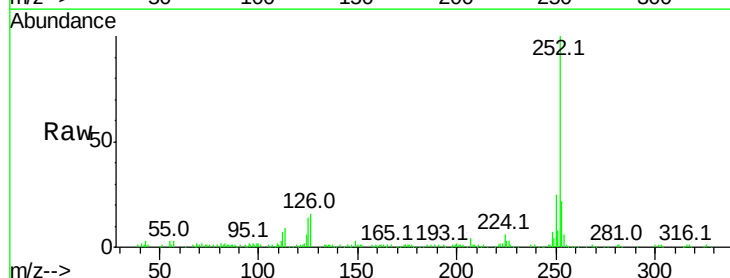
Instrument :
BNA_F
ClientSampleId :

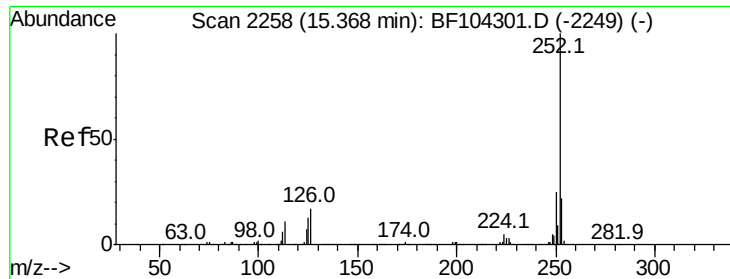
Tot Ion:252 Resp: 168271
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 13.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 15.144 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:252 Resp: 168271
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 13.8 10.2 15.2

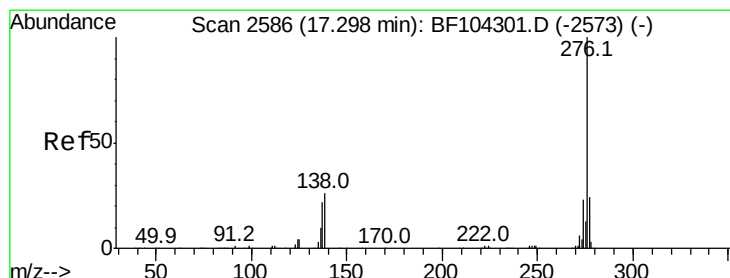
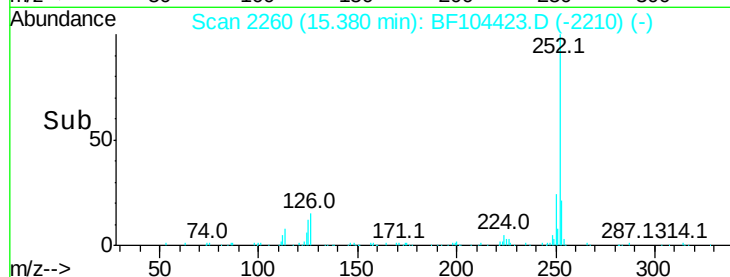
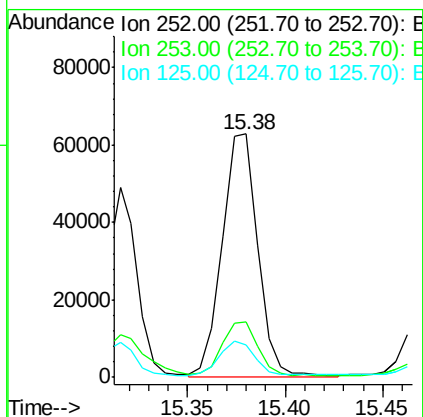
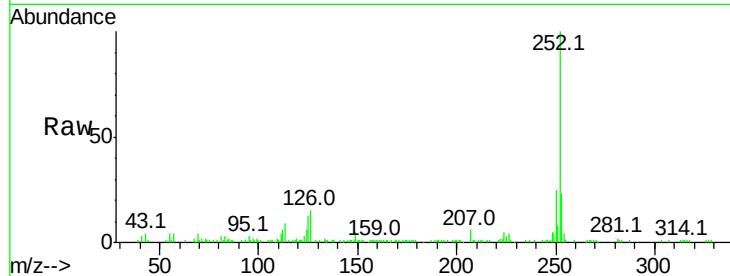




#89
Benzo(a)pyrene
Concen: 7.556 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 79572
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 13.1 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 4.767 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion:276 Resp: 39943
Ion Ratio Lower Upper
276 100
277 23.9 17.9 26.9
138 23.9 21.8 32.8

