

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104436.D
 Acq On : 11 Apr 2018 14:22
 Operator : JU/SJ
 Sample : J2325-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 15:52:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

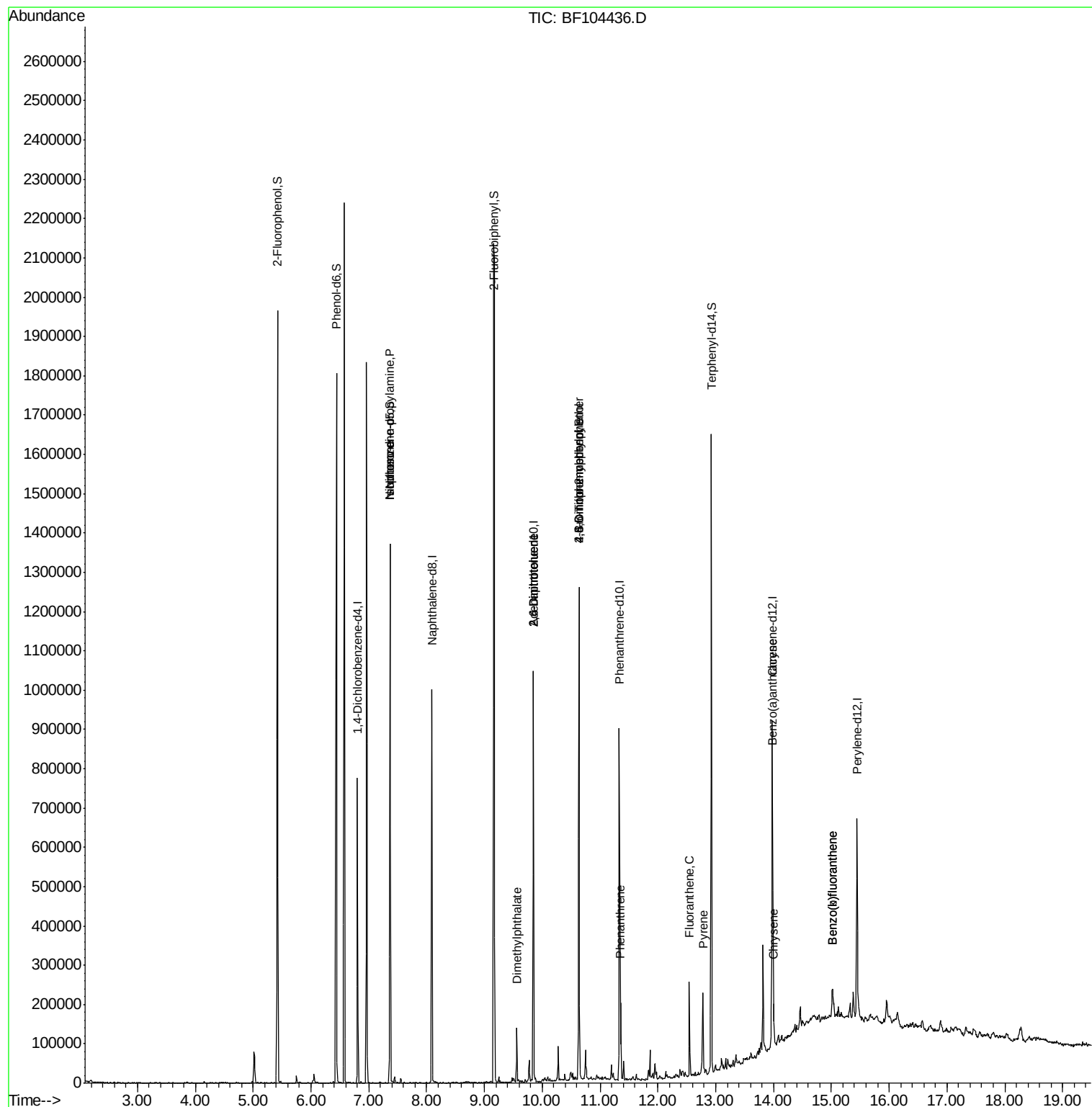
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116426	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	460608	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	193068	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	312150	20.00	ng	0.00
75) Chrysene-d12	13.98	240	252363	20.00	ng	0.00
86) Perylene-d12	15.44	264	229942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	574645	75.47	ng	0.01
7) Phenol-d6	6.44	99	697592	74.57	ng	0.00
23) Nitrobenzene-d5	7.37	82	412790	58.52	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	150996	75.39	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	718901	58.82	ng	0.00
78) Terphenyl-d14	12.93	244	560561	50.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	53225	8.706	ng	# 75
25) Isophorone	7.37	82	412418	27.648	ng	# 64
49) Dimethylphthalate	9.56	163	51375	3.374	ng	100
50) 2,6-Dinitrotoluene	9.85	165	24603	8.733	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	24603	6.658	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	265	7.495	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9421	2.837	ng	# 1
70) Phenanthrene	11.36	178	61613	3.544	ng	99
74) Fluoranthene	12.55	202	96219	5.298	ng	95
76) Benzidine	12.92	184	7026	Below Cal		96
77) Pyrene	12.78	202	85609	4.577	ng	99
80) Benzo(a)anthracene	13.97	228	40584	2.692	ng	97
82) Chrysene	14.00	228	34855	2.251	ng	96
87) Benzo(b)fluoranthene	15.02	252	49264	3.392	ng	# 89
88) Benzo(k)fluoranthene	15.02	252	49264	3.593	ng	# 92

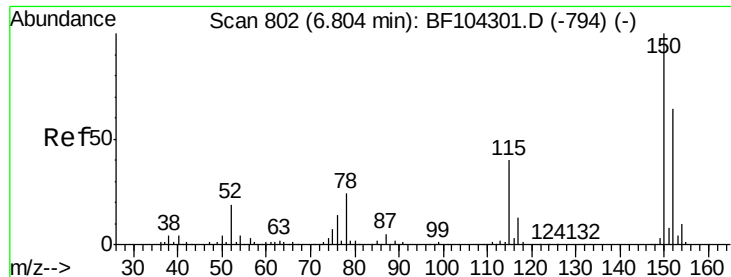
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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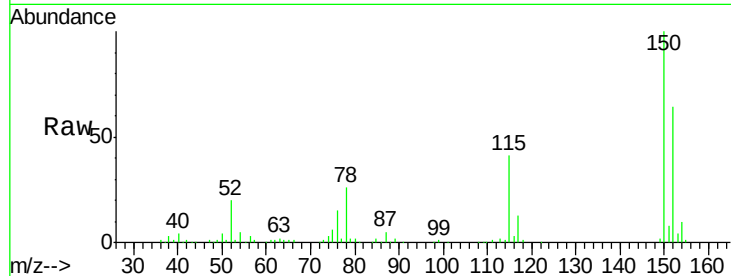


#1

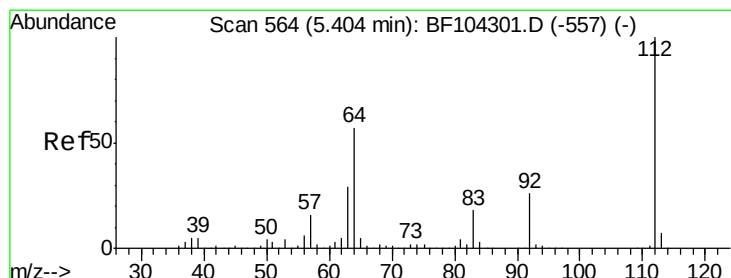
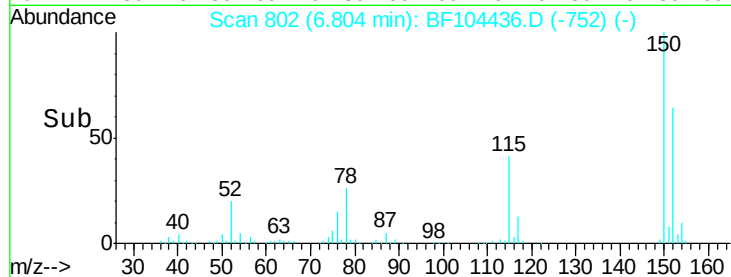
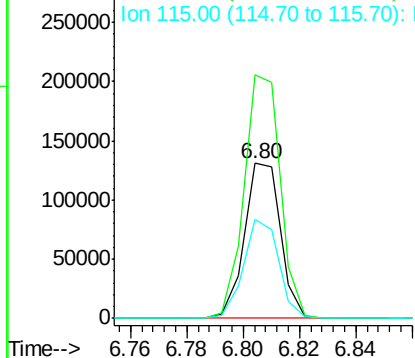
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 116426
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 64.1 50.1 75.1



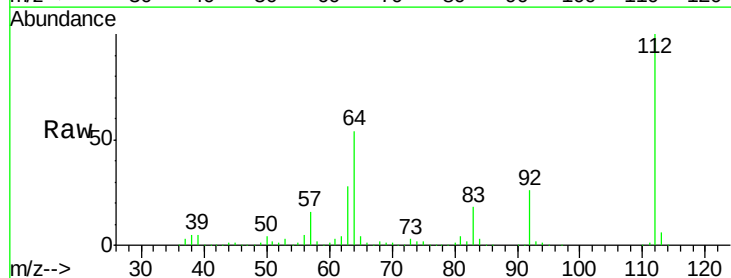
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



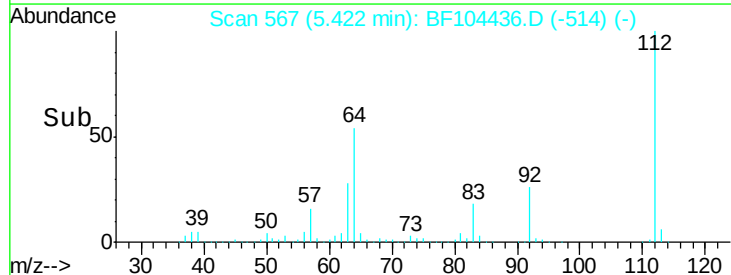
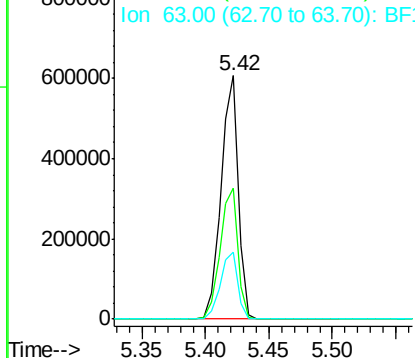
#5

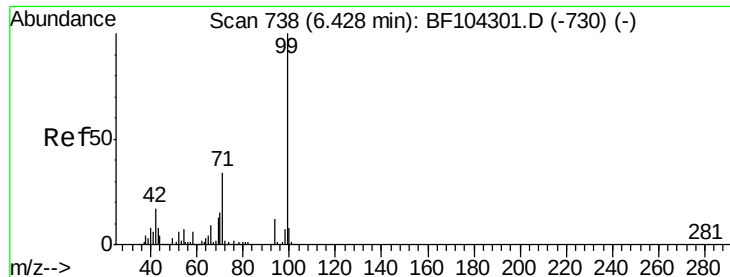
2-Fluorophenol
 Concen: 75.470 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Tgt Ion:112 Resp: 574645
 Ion Ratio Lower Upper
 112 100
 64 53.8 47.9 71.9
 63 27.5 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: 74.565 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

Instrument :

BNA_F

ClientSampleId :

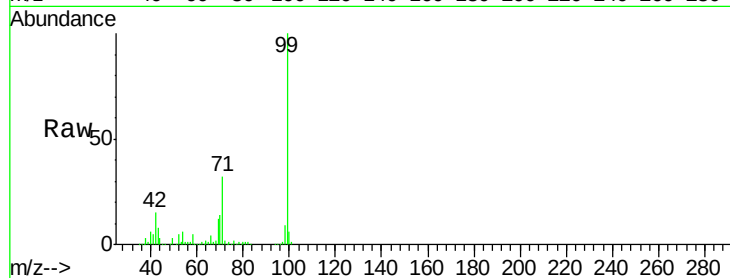
Tot Ion: 99 Resp: 697592

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

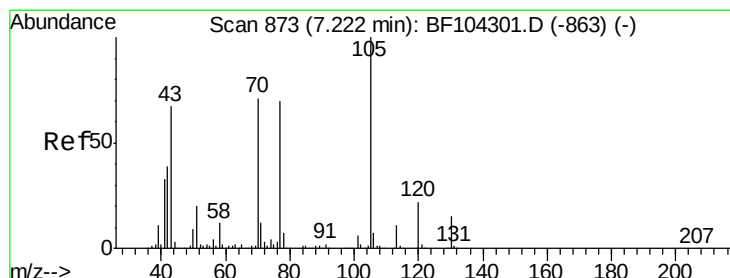
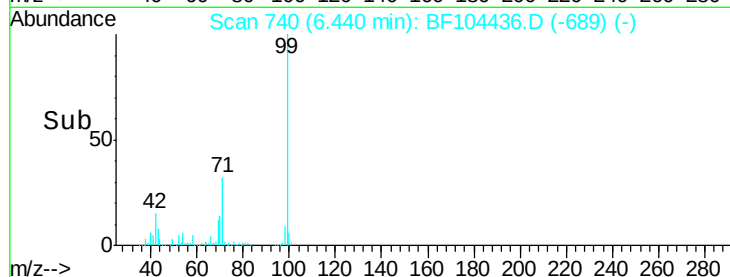
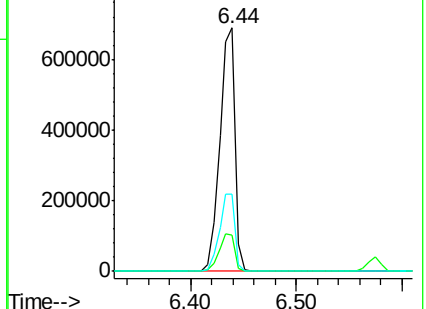
71 31.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 8.706 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

Tgt Ion: 70 Resp: 53225

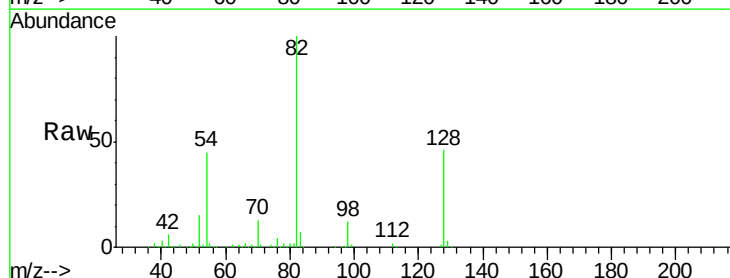
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

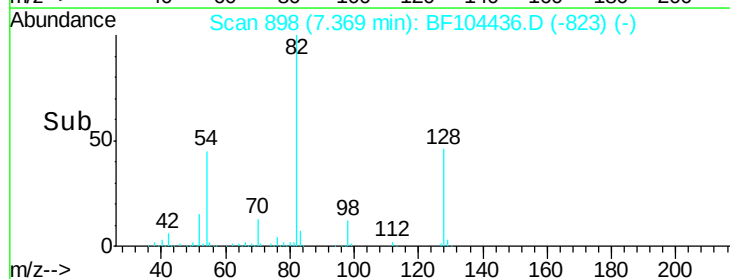
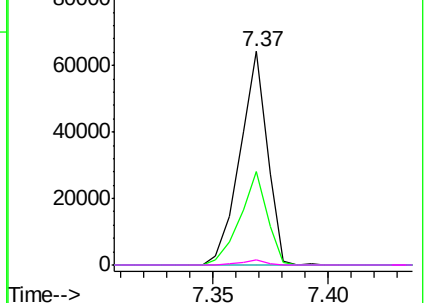


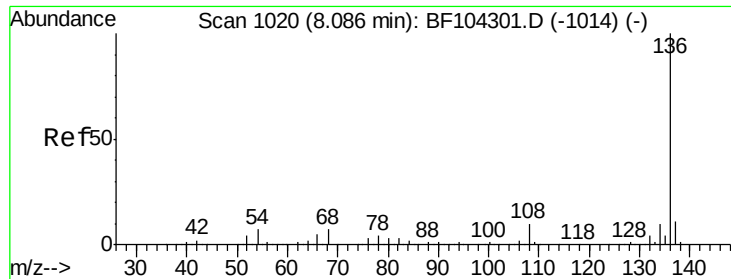
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

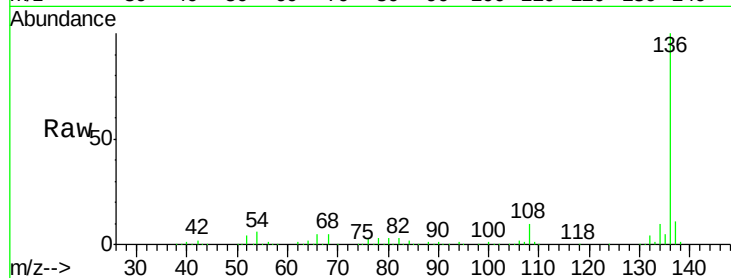




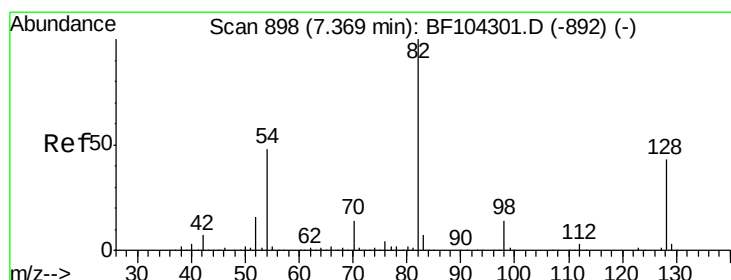
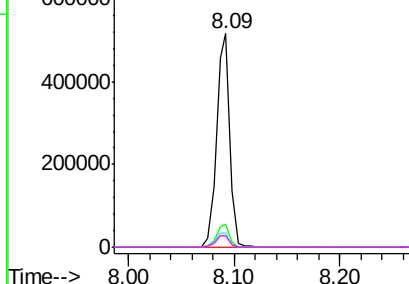
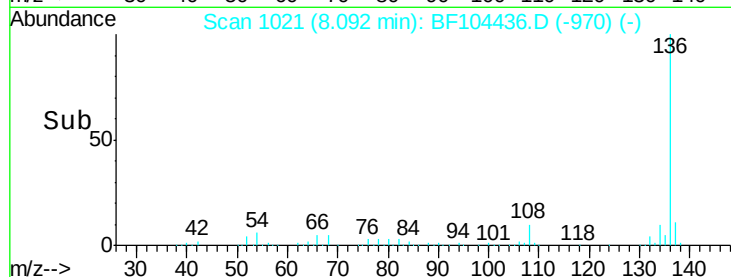
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	460608
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.5	6.6 9.8#
68	5.4	5.0 7.4

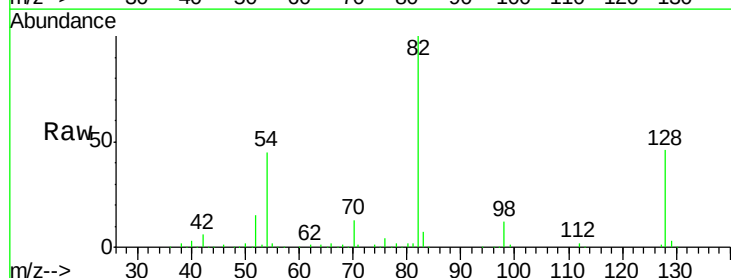


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

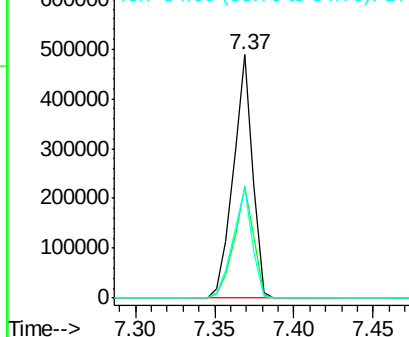
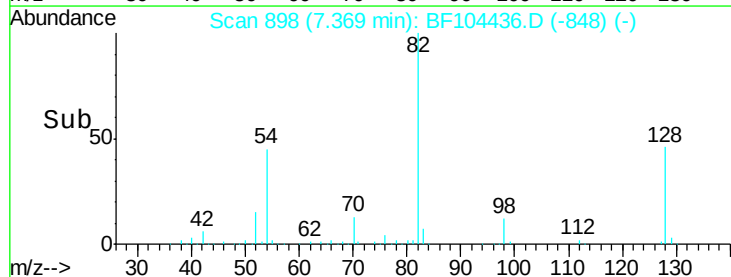


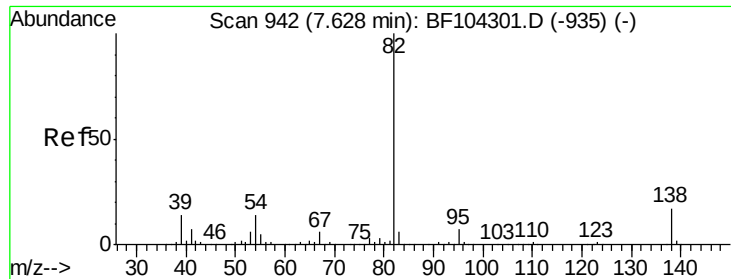
#23
Nitrobenzene-d5
Concen: 58.519 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Tgt Ion: 82	Resp:	412790
Ion Ratio	Lower	Upper
82	100	
128	46.1	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

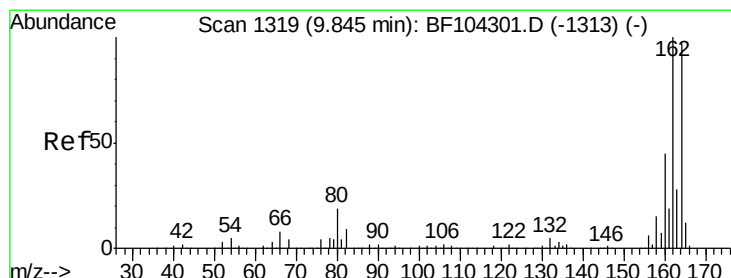
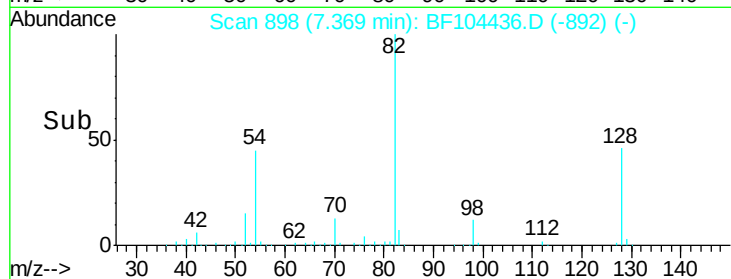
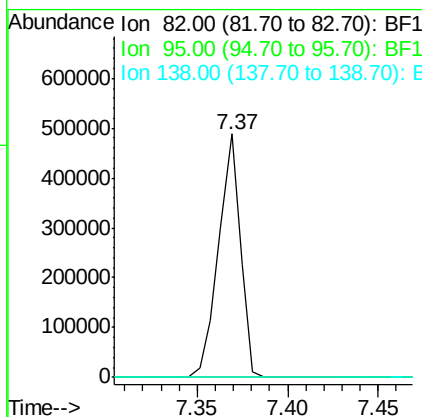
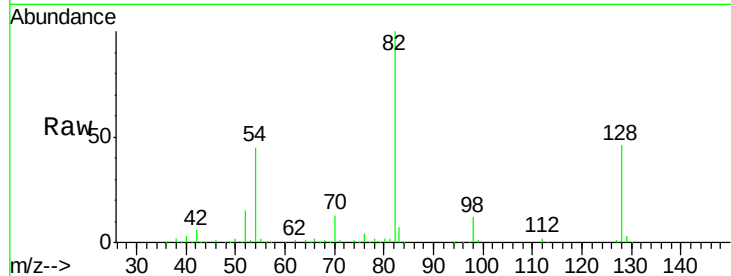




#25
Isophorone
Concen: 27.648 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

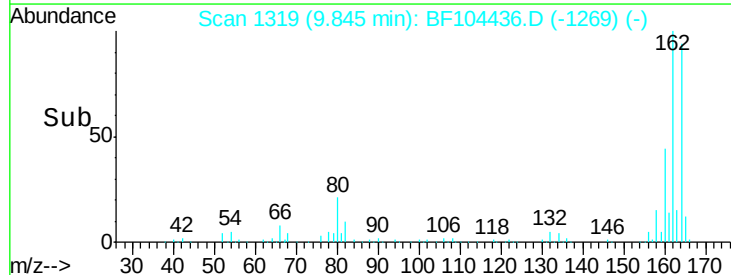
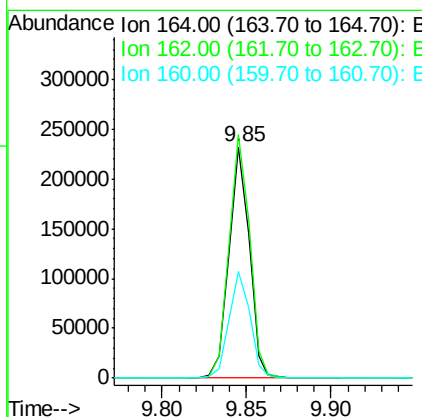
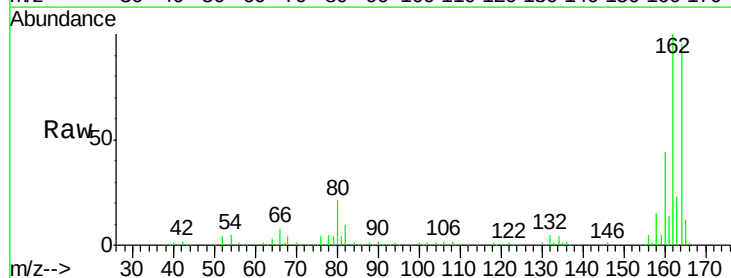
Instrument :
BNA_F
ClientSampleId :

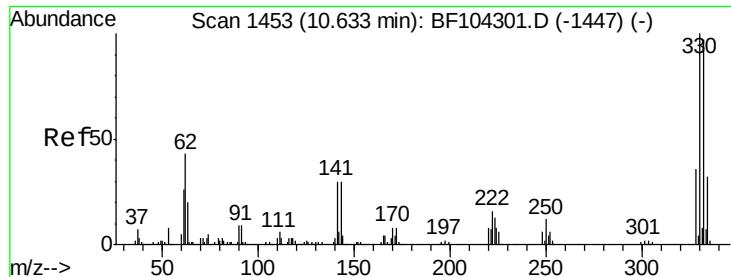
Tot Ion: 82 Resp: 412418
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Tgt Ion:164 Resp: 193068
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 46.1 38.3 57.5

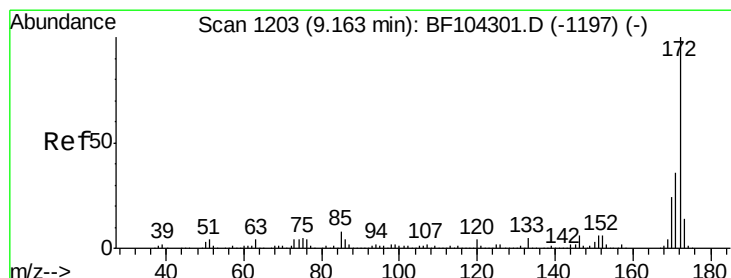
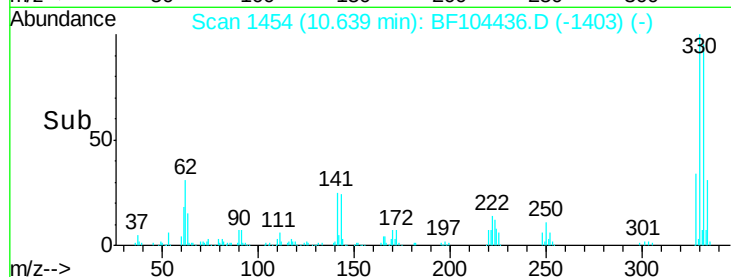
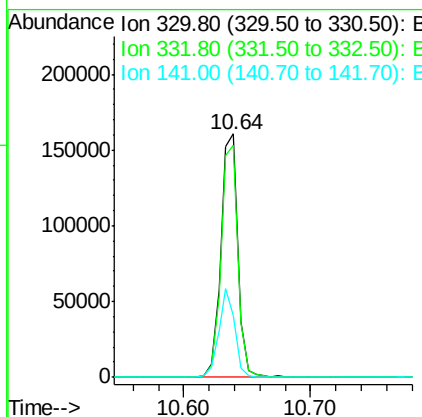
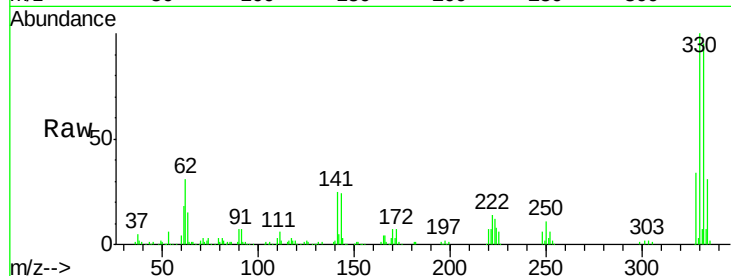




#41
 2,4,6-Tribromophenol
 Concen: 75.394 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

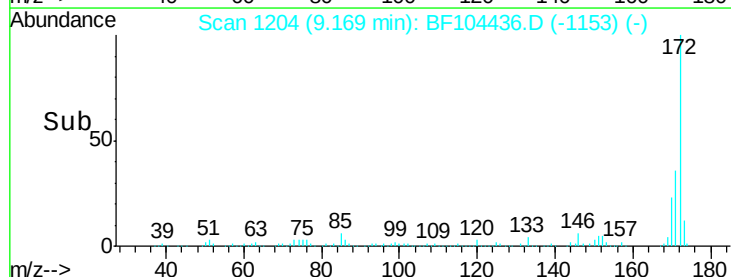
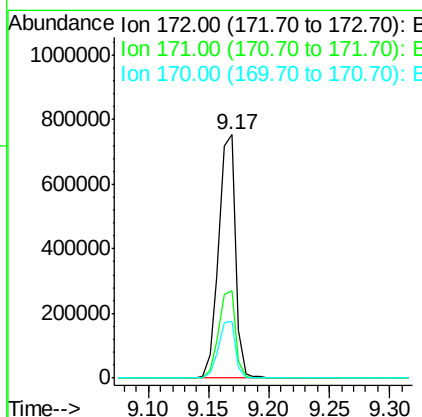
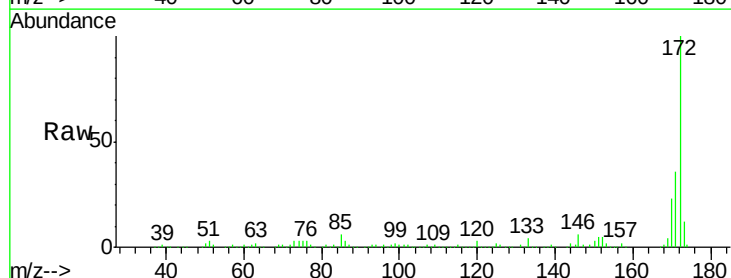
Instrument :
 BNA_F
 ClientSampleId :

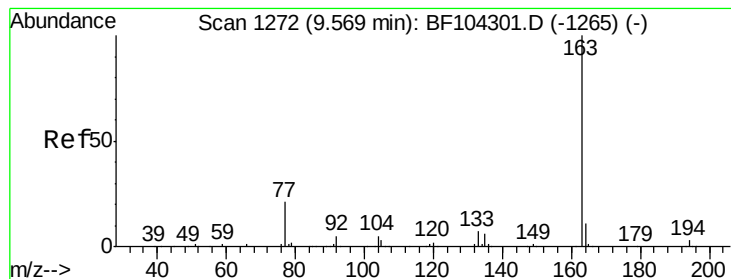
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	34.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 58.823 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.4	19.6	29.4





#49

Dimethylphthalate

Concen: 3.374 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

Instrument :

BNA_F

ClientSampleId :

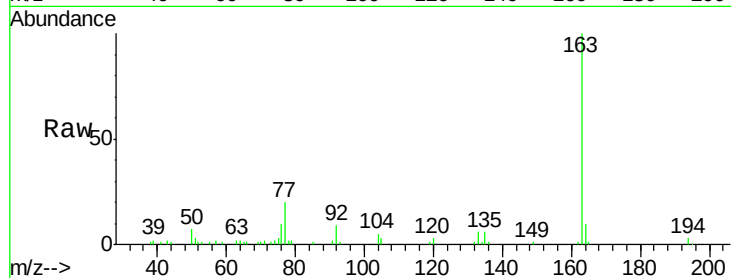
Tot Ion:163 Resp: 51375

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

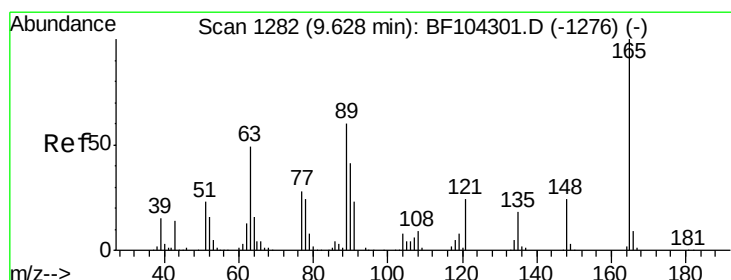
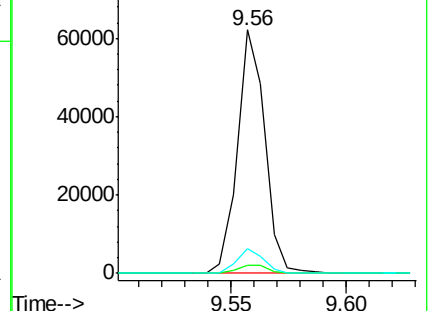
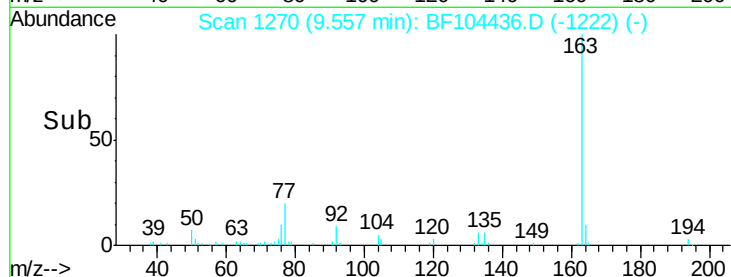
164 10.0 8.2 12.2



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: 8.733 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

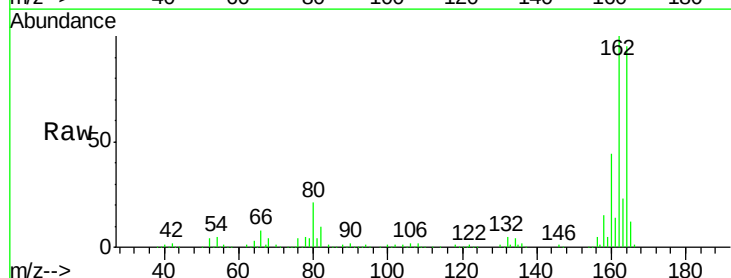
Tgt Ion:165 Resp: 24603

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

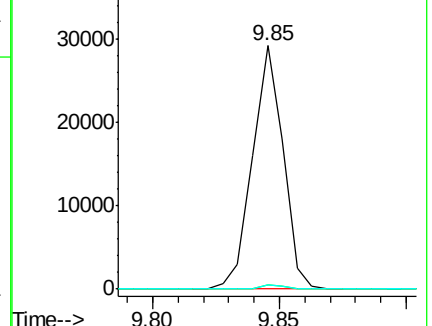
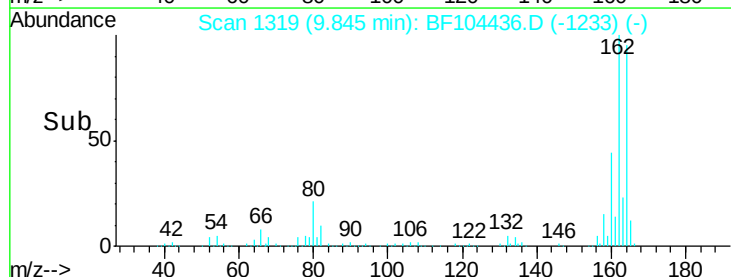
89 1.5 44.0 66.0#

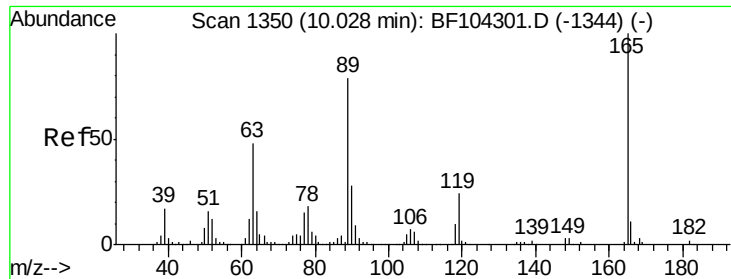


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

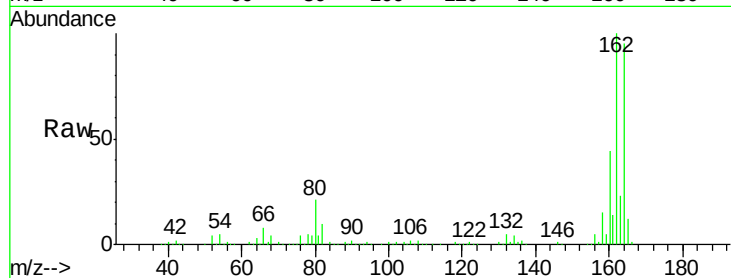




#56
 2,4-Dinitrotoluene
 Concen: 6.658 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	24603
Ion Ratio	Lower	Upper
165	100	
63	1.7	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

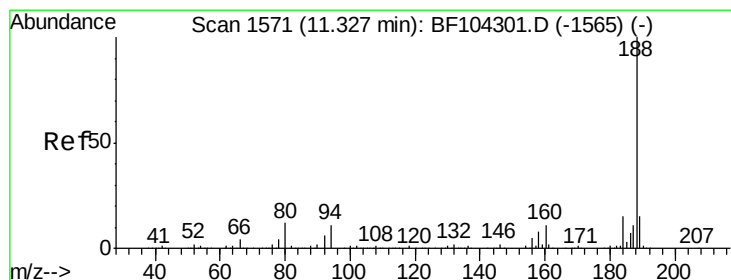
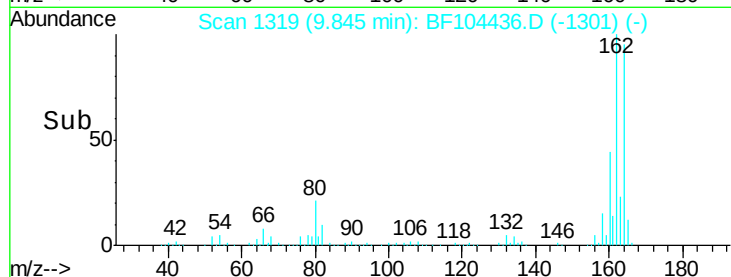
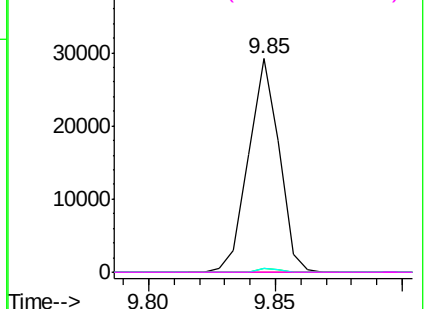


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

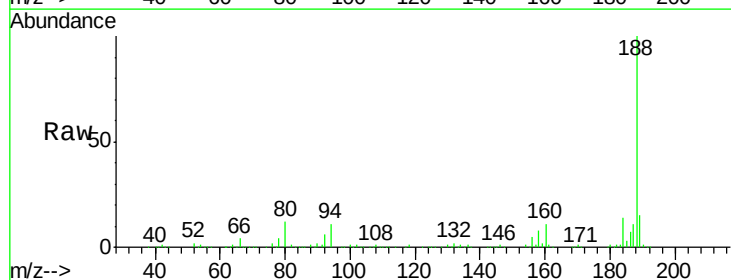
Ion 89.00 (88.70 to 89.70): BF1

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: BF104436.D
 Acq: 11 Apr 2018 14:22

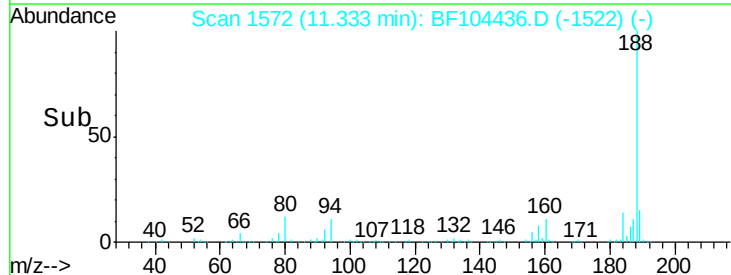
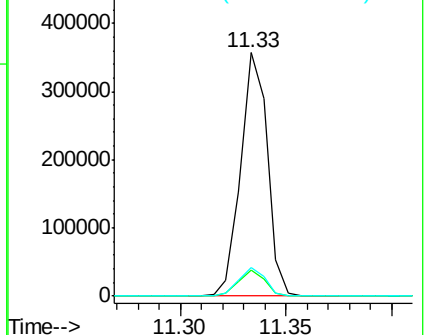
Tgt Ion:188	Resp:	312150
Ion Ratio	Lower	Upper
188	100	
94	10.7	8.5 12.7
80	11.7	9.2 13.8

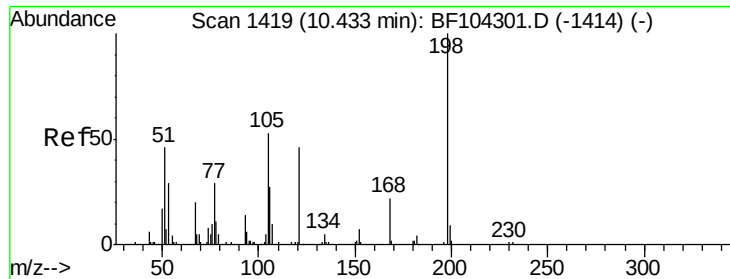


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

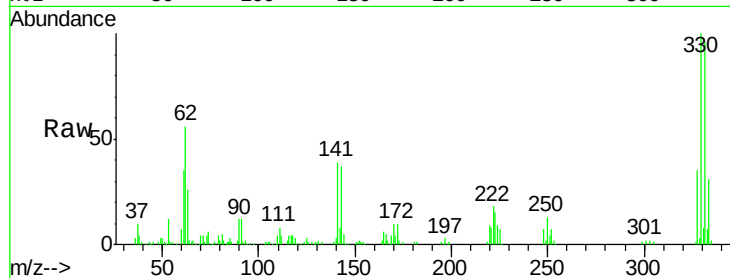




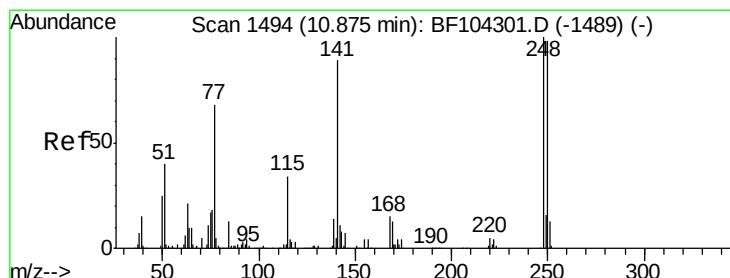
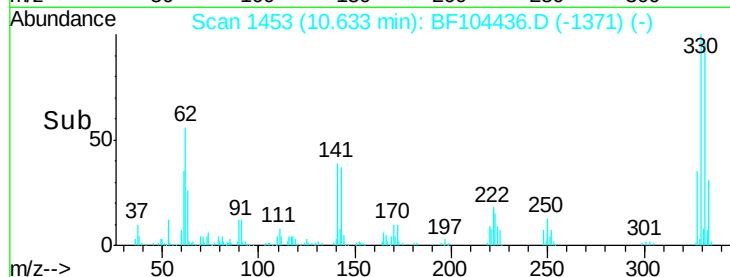
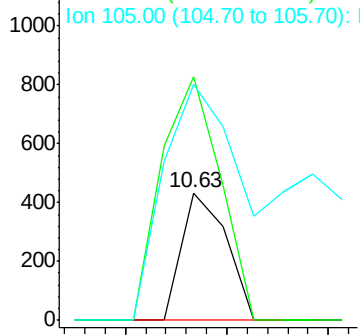
#64
4,6-Dinitro-2-methylphenol
Concen: 7.495 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 265
Ion Ratio Lower Upper
198 100
51 191.4 37.7 77.7#
105 185.9 36.3 76.3#

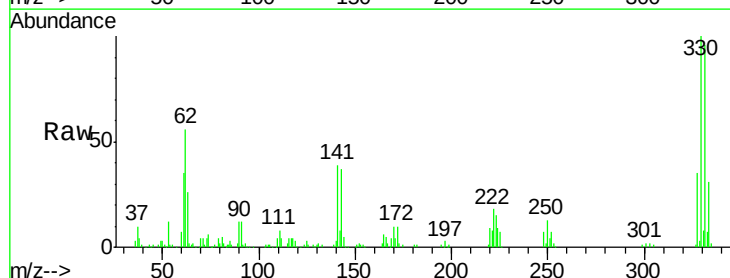


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

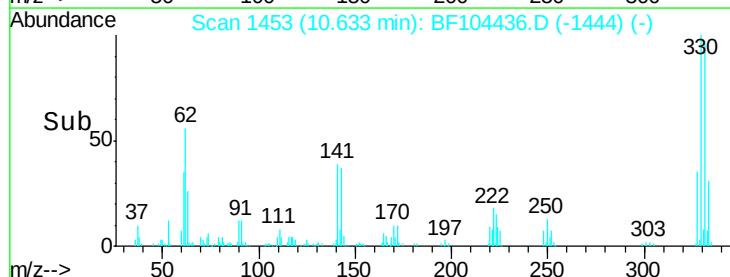
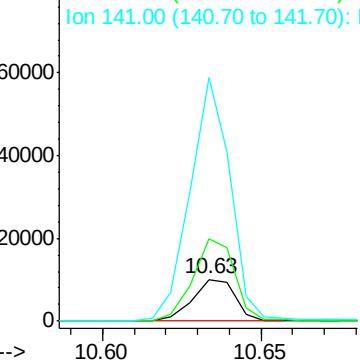


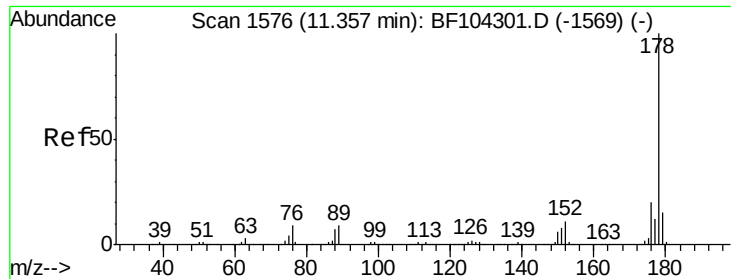
#66
4-Bromophenyl-phenylether
Concen: 2.837 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Tgt Ion:248 Resp: 9421
Ion Ratio Lower Upper
248 100
250 196.1 76.9 115.3#
141 581.9 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

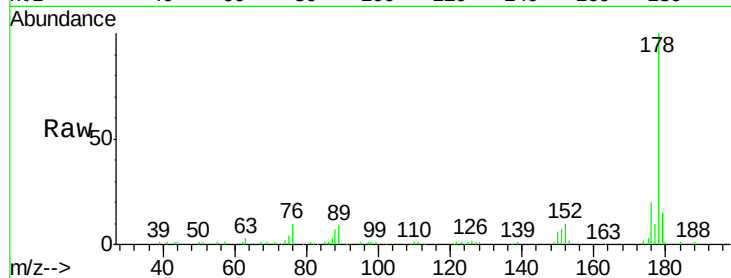




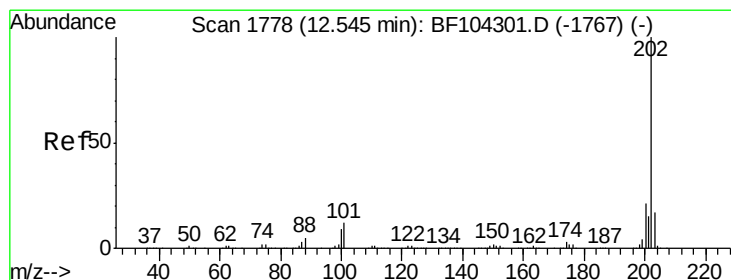
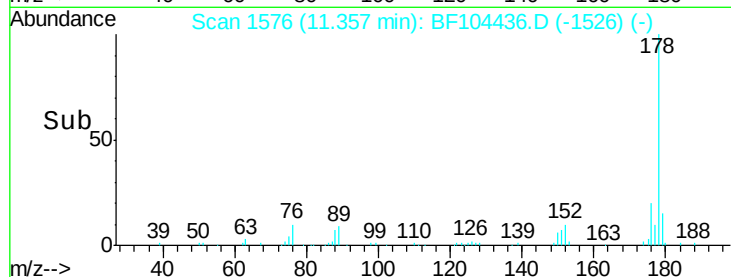
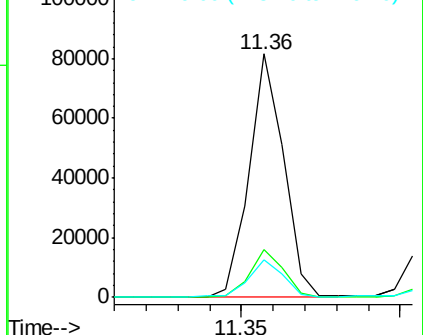
#70
Phenanthrene
Concen: 3.544 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 61613
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.4 13.0 19.6

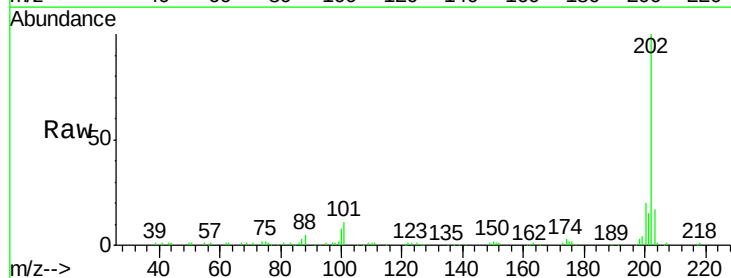


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

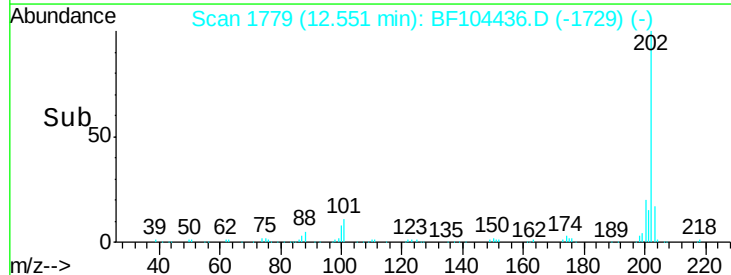
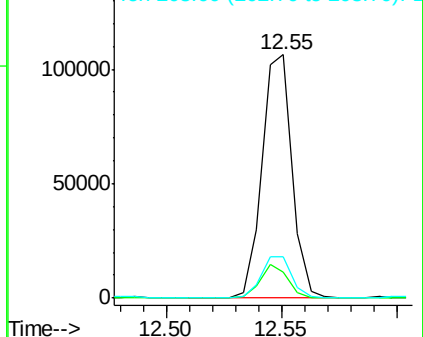


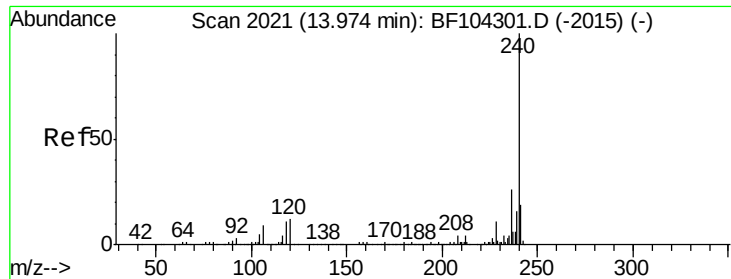
#74
Fluoranthene
Concen: 5.298 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Tgt Ion:202 Resp: 96219
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 17.0 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: BF104436.D

Acq: 11 Apr 2018 14:22

Instrument :

BNA_F

ClientSampleId :

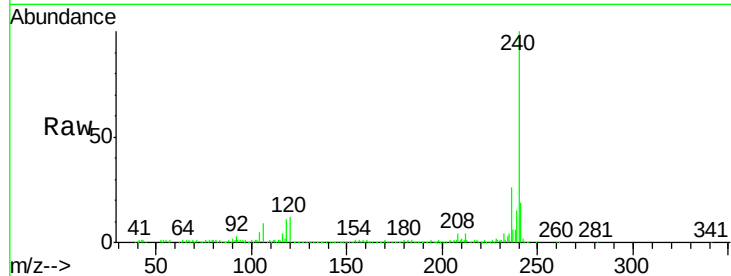
Tot Ion:240 Resp: 252363

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

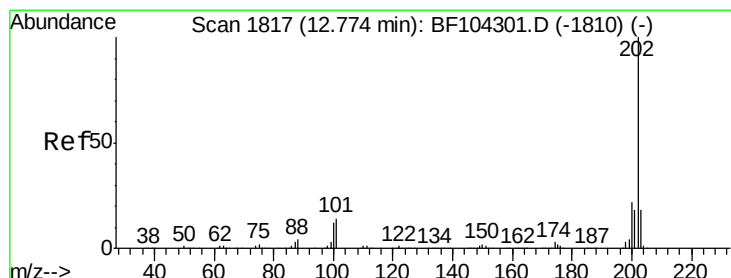
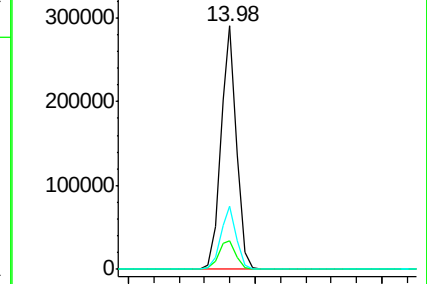
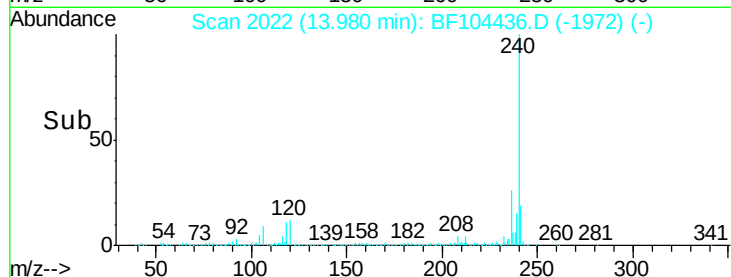
236 26.1 20.7 31.1



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: 4.577 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

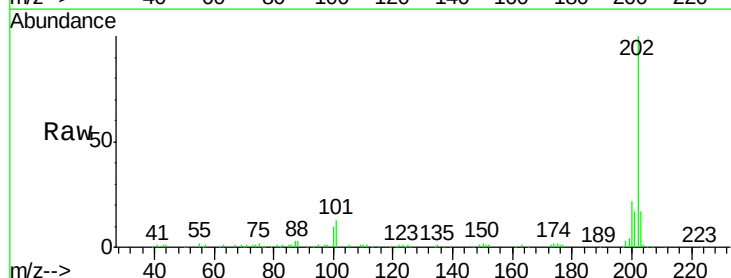
Tgt Ion:202 Resp: 85609

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

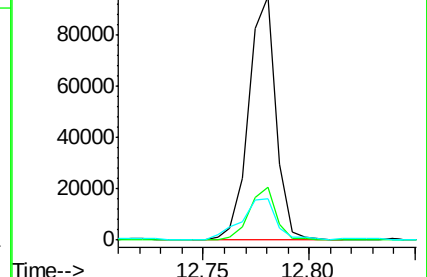
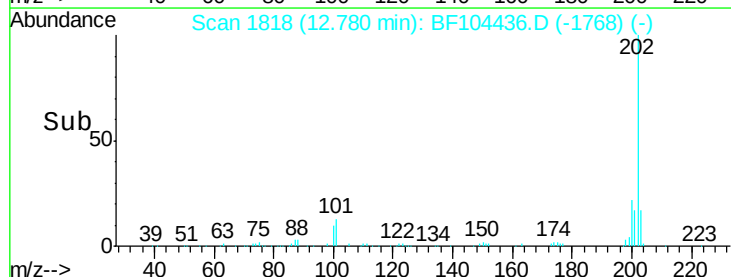
203 17.1 14.3 21.5

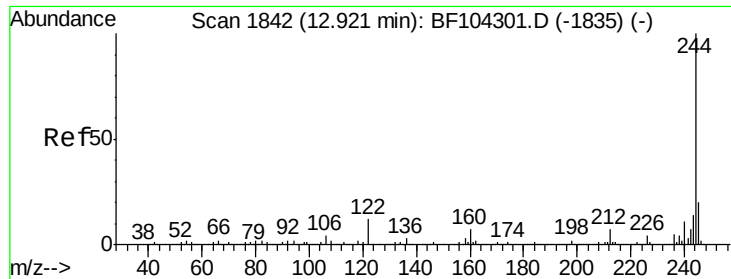


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

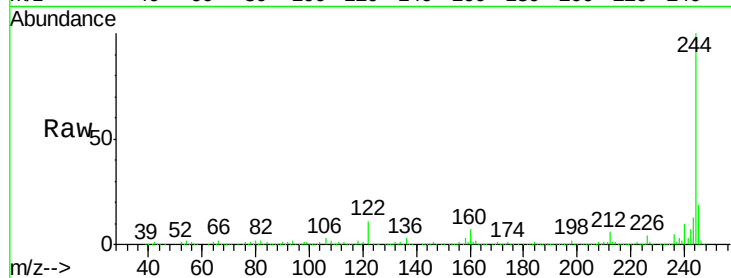




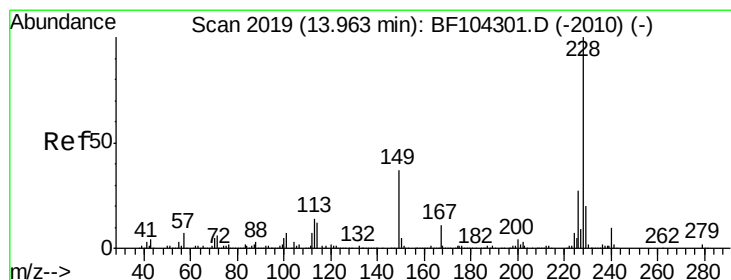
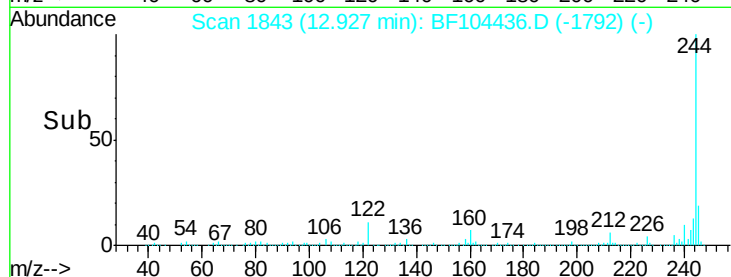
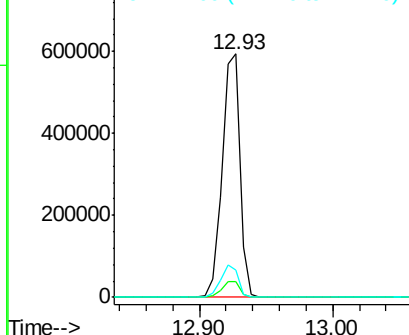
#78
 Terphenyl-d14
 Concen: 50.641 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 560561
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.0 11.0 16.4

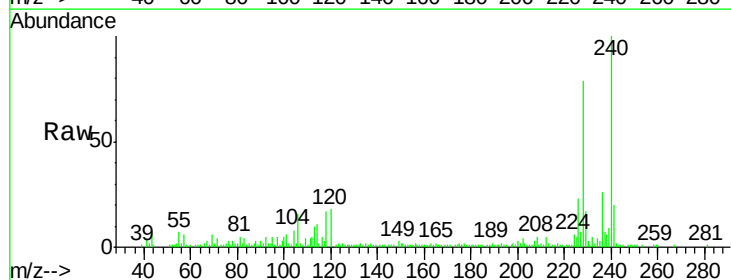


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

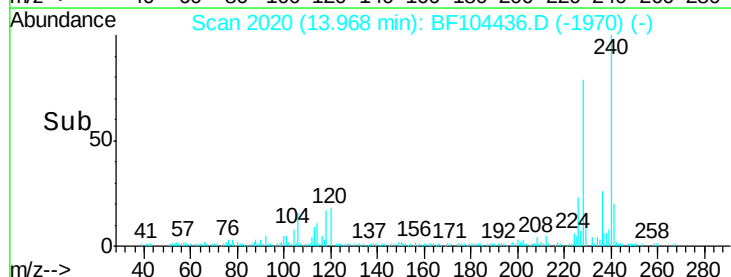
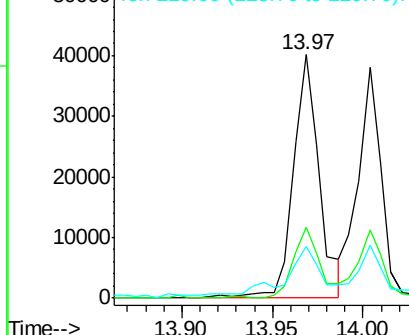


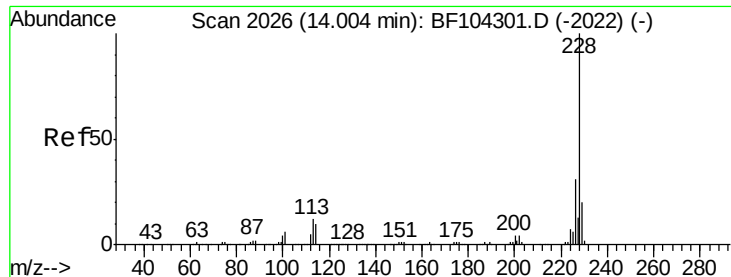
#80
 Benzo(a)anthracene
 Concen: 2.692 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104436.D
 Acq: 11 Apr 2018 14:22

Tgt Ion:228 Resp: 40584
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 21.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.251 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

Instrument :

BNA_F

ClientSampleId :

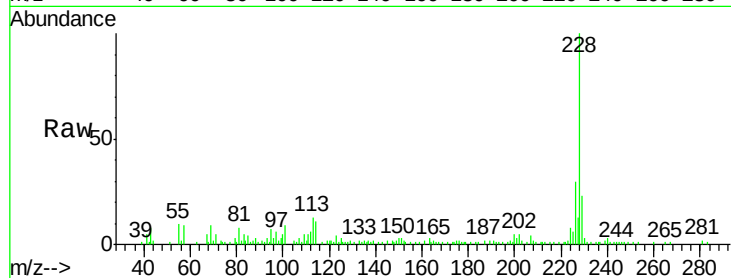
Tot Ion:228 Resp: 34855

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

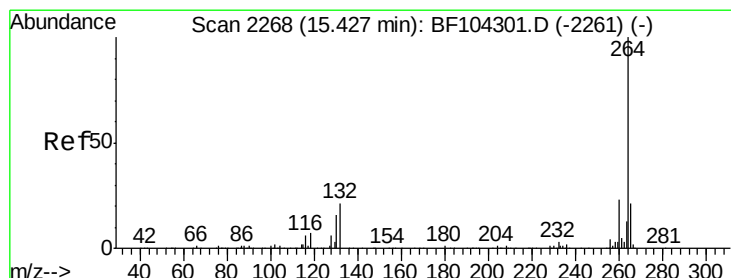
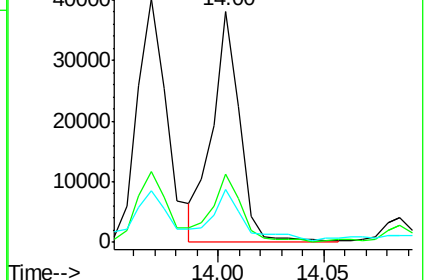
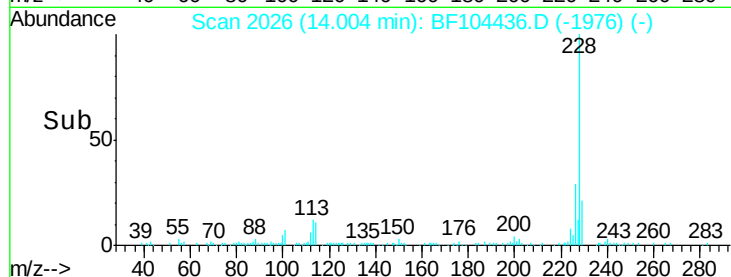
229 22.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF104436.D

Acq: 11 Apr 2018 14:22

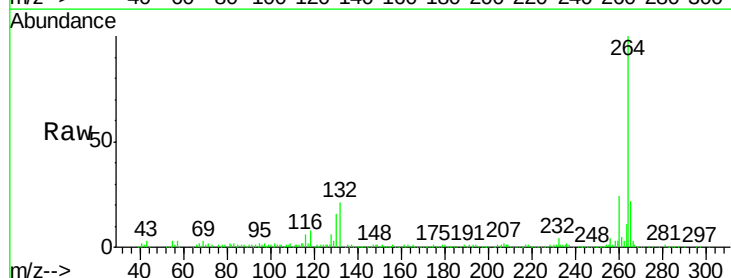
Tgt Ion:264 Resp: 229942

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

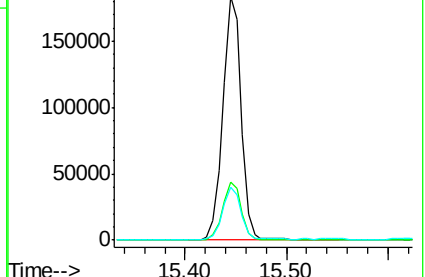
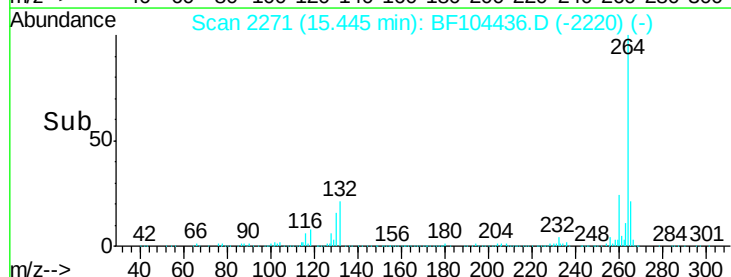
265 21.5 17.5 26.3

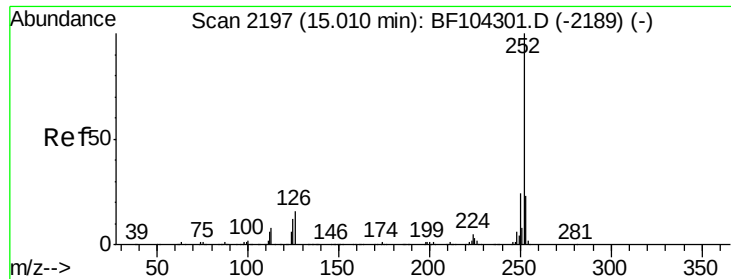


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

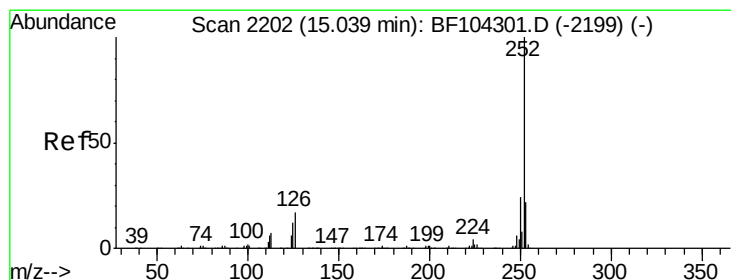
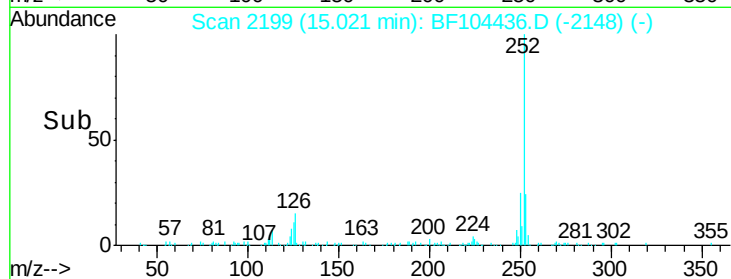
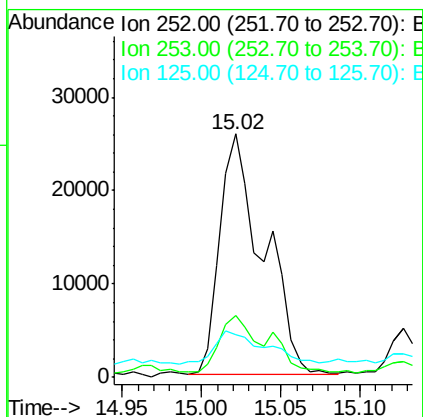
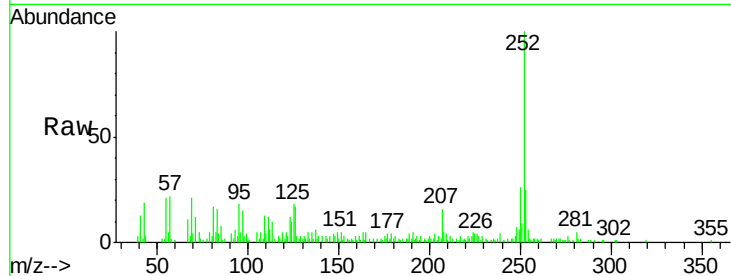




#87
Benzo(b)fluoranthene
Concen: 3.392 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 49264
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 17.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.593 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104436.D
Acq: 11 Apr 2018 14:22

Tgt Ion:252 Resp: 49264
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 17.6 10.2 15.2#

