

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101874.D
 Acq On : 3 Jan 2018 21:39
 Operator : SJ/JU
 Sample : J1004-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:14:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	126573	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	463737	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	170238	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	283317	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	256976	20.00	ng	-0.02
86) Perylene-d12	15.42	264	198613	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	855314	100.66	ng	0.00
7) Phenol-d6	6.42	99	1014135	95.90	ng	-0.01
23) Nitrobenzene-d5	7.35	82	614565	73.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	142252	86.72	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	778578	70.95	ng	-0.02
78) Terphenyl-d14	12.87	244	588792	55.24	ng	-0.02

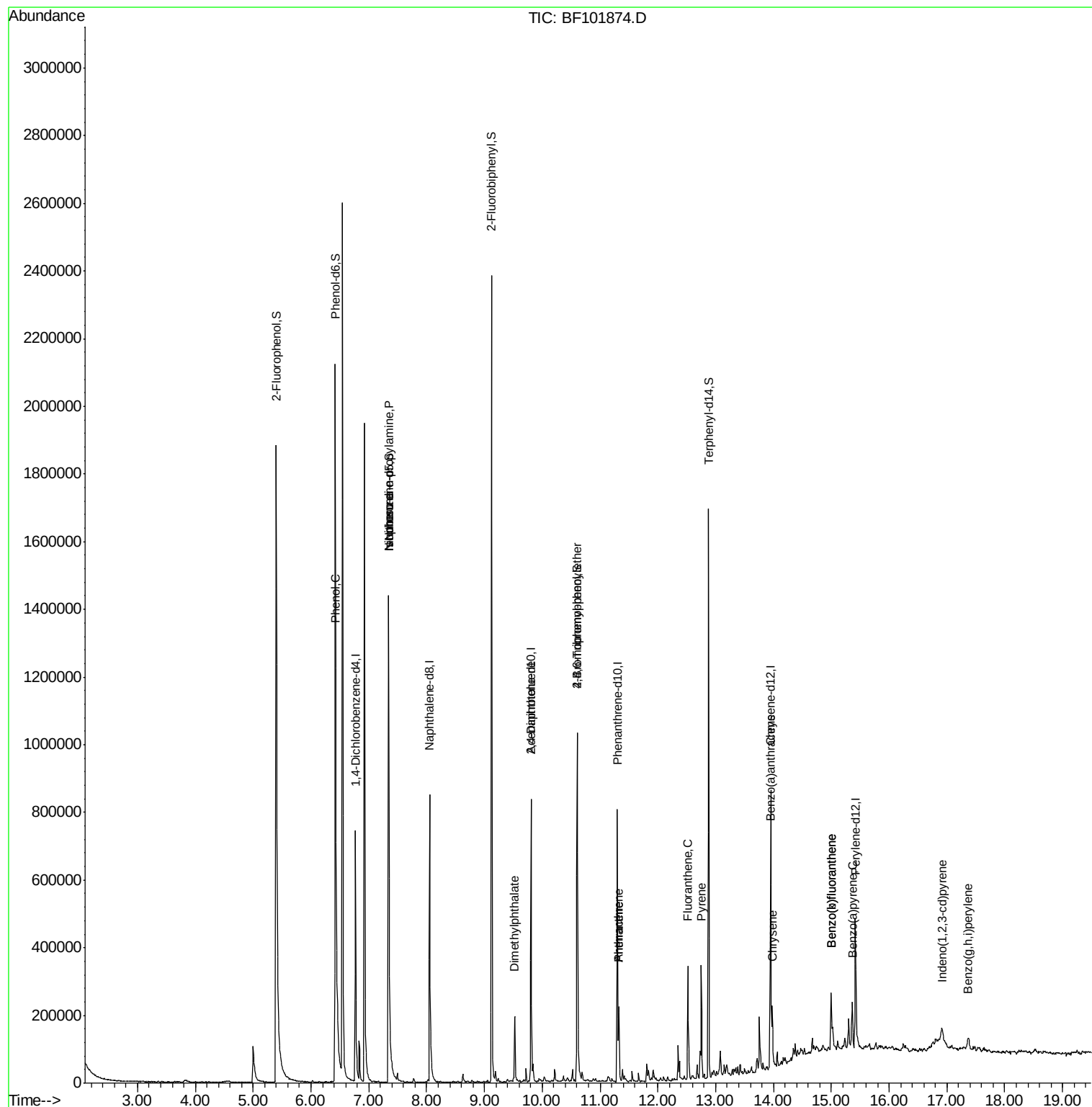
Target Compounds				Qvalue		
10) Phenol	6.43	94	46761	3.880	ng	# 60
19) n-Nitroso-di-n-propylamine	7.35	70	79609	11.463	ng	# 79
25) Isophorone	7.35	82	614565	36.774	ng	# 64
49) Dimethylphthalate	9.53	163	98774	7.213	ng	99
56) 2,4-Dinitrotoluene	9.80	165	21466	6.846	ng	# 21
66) 4-Bromophenyl-phenylether	10.60	248	8830	2.774	ng	# 1
70) Phenanthrene	11.32	178	95201	6.042	ng	98
71) Anthracene	11.32	178	95201	5.915	ng	99
74) Fluoranthene	12.52	202	151076	9.135	ng	96
77) Pyrene	12.75	202	134245	6.961	ng	98
80) Benzo(a)anthracene	13.94	228	70179	4.136	ng	96
82) Chrysene	13.98	228	73081	4.561	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	33851	2.373	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	111437	9.205	ng	98
88) Benzo(k)fluoranthene	15.00	252	111437	9.468	ng	99
89) Benzo(a)pyrene	15.36	252	54792	4.910	ng	97
91) Benzo(a,h,i)perylene	17.37	276	29421	3.101	ng	97

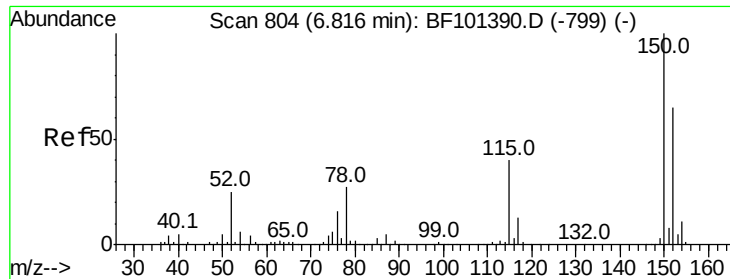
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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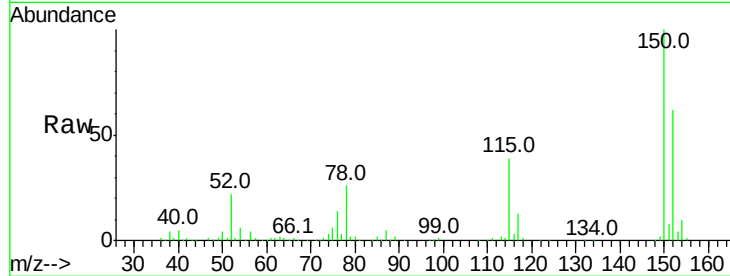


#1

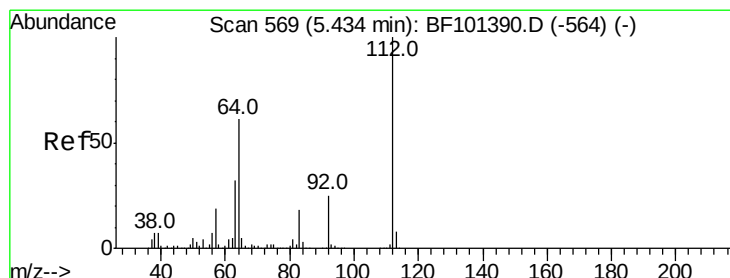
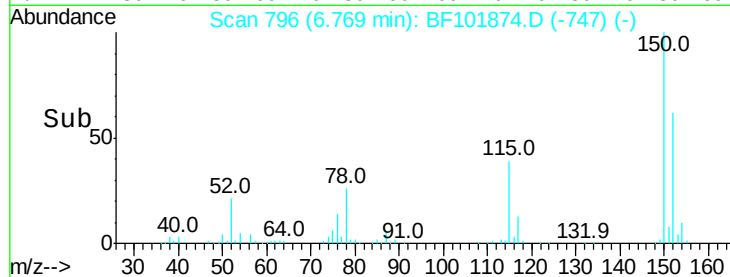
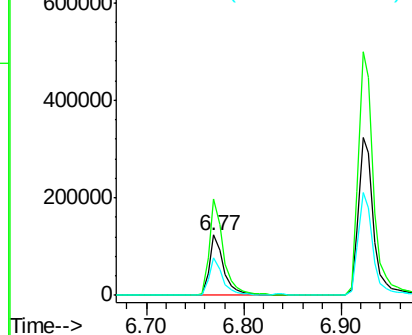
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126573
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 61.8 50.1 75.1



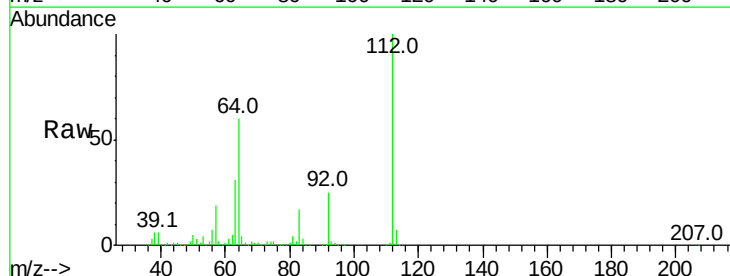
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



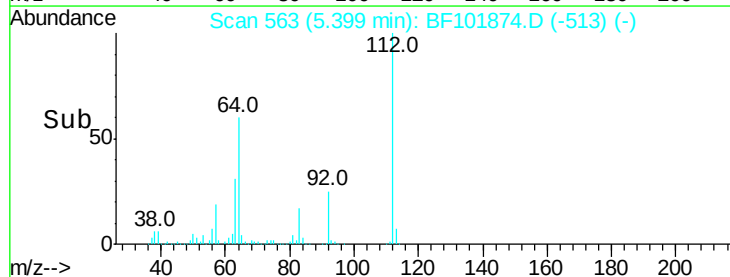
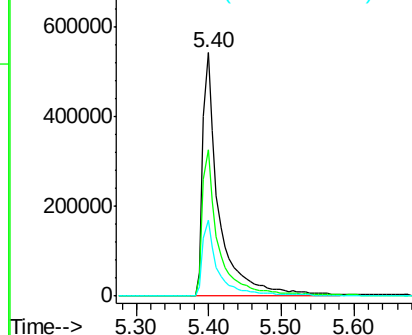
#5

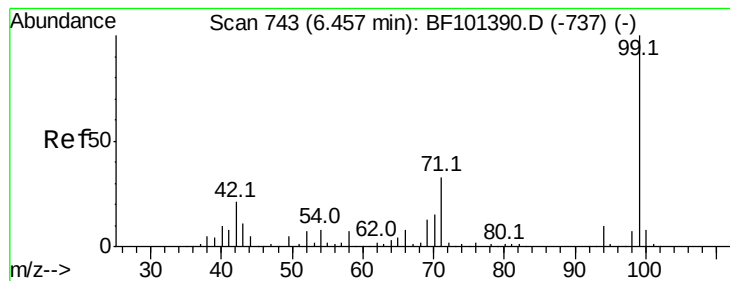
2-Fluorophenol
Concen: 100.658 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion:112 Resp: 855314
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 31.2 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: 95.898 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampleId :

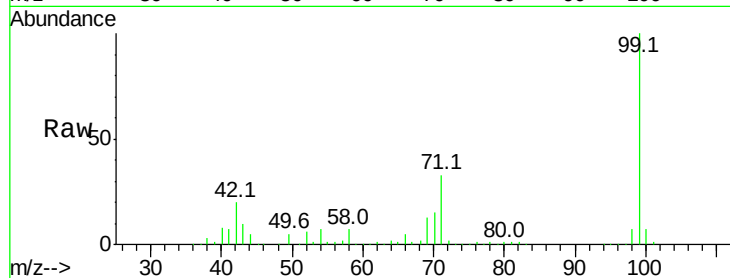
Tot Ion: 99 Resp: 1014135

Ion Ratio Lower Upper

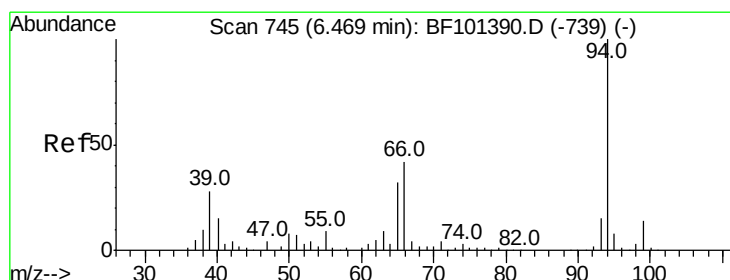
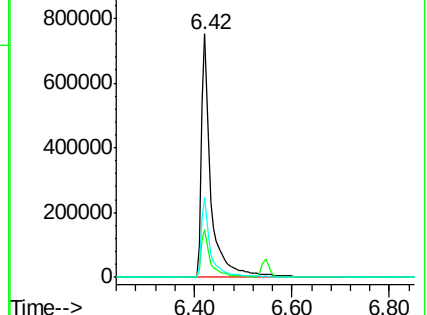
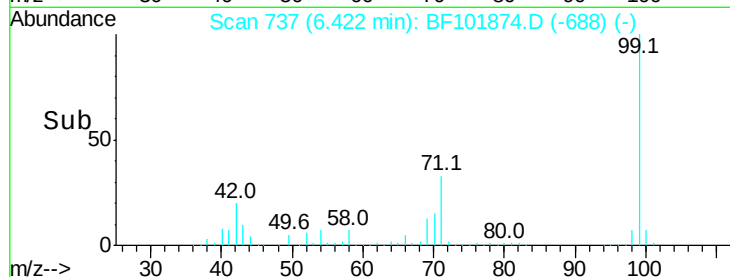
99 100

42 19.8 14.5 21.7

71 32.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.880 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

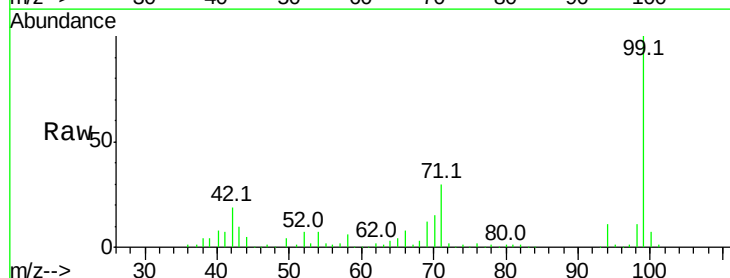
Tgt Ion: 94 Resp: 46761

Ion Ratio Lower Upper

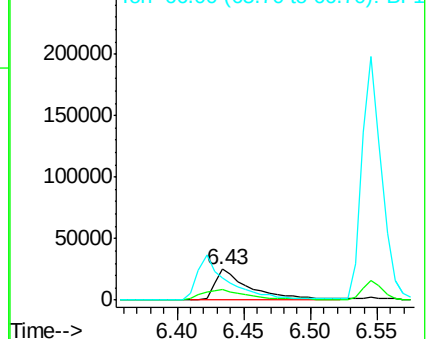
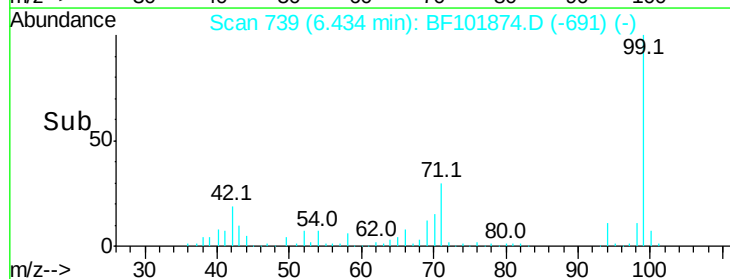
94 100

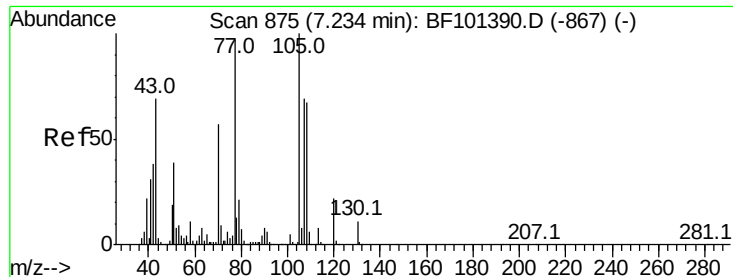
65 35.8 7.9 47.9

66 71.0 16.2 56.2#



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





#19

n-Nitroso-di-n-propylamine

Concen: 11.463 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 79609

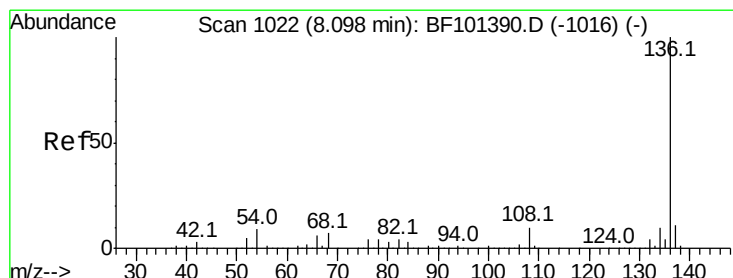
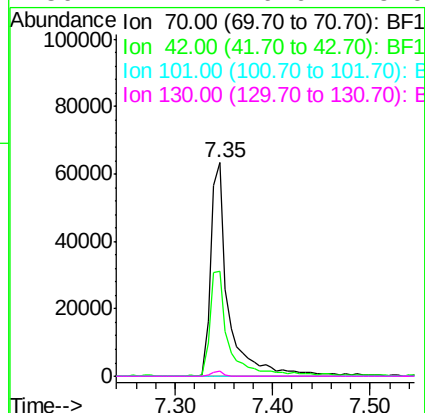
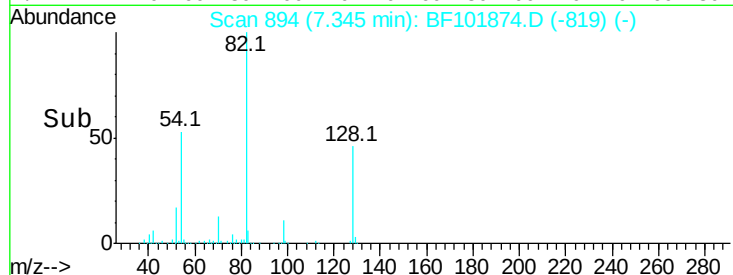
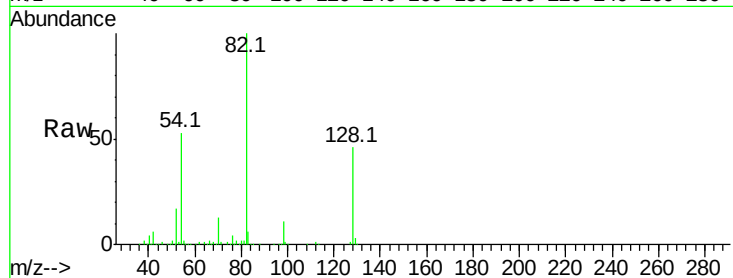
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Tgt Ion: 136 Resp: 463737

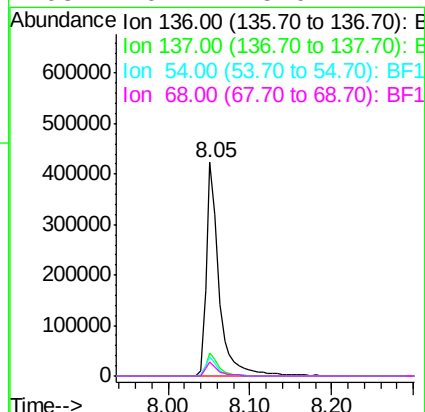
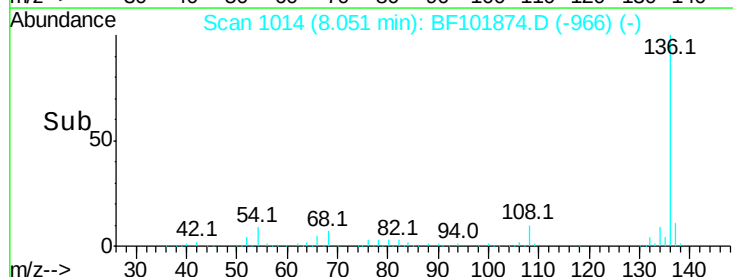
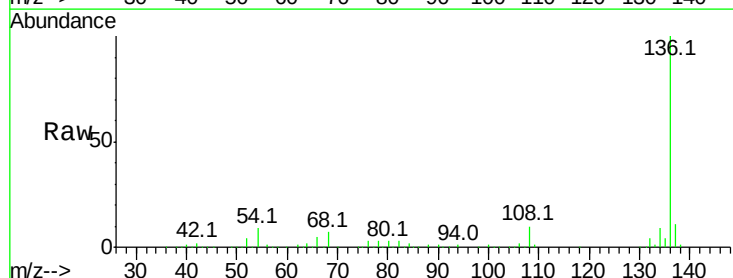
Ion Ratio Lower Upper

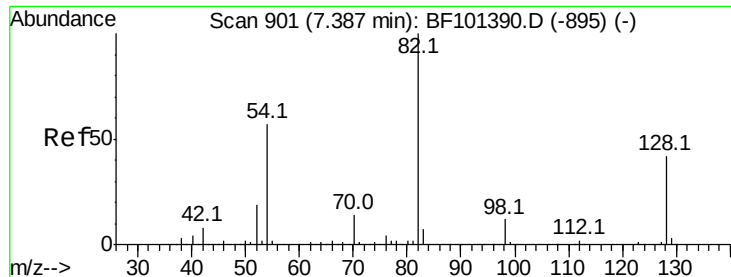
136 100

137 11.1 8.9 13.3

54 8.9 6.6 9.8

68 6.7 5.0 7.4

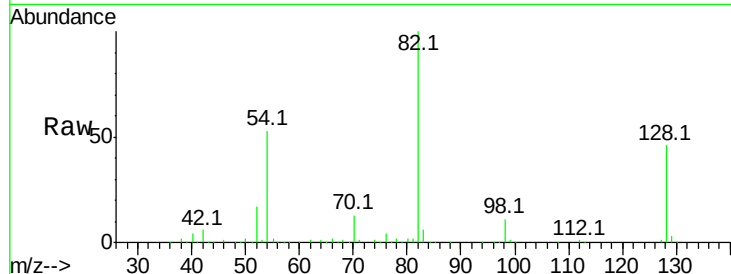




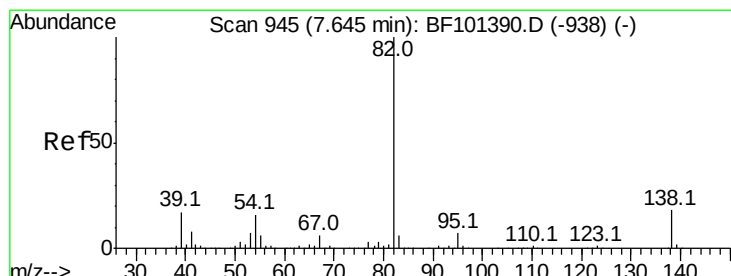
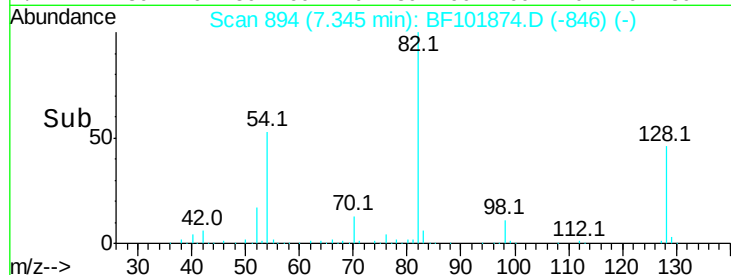
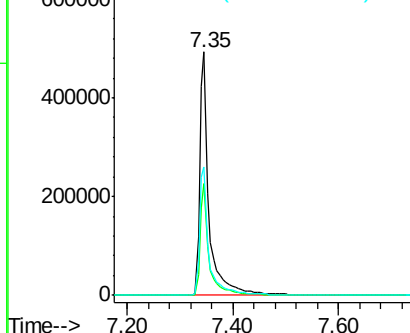
#23
 Nitrobenzene-d5
 Concen: 73.771 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.02 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	614565
Ion Ratio	100	Lower	Upper
128	45.8	36.1	54.1
54	52.7	41.4	62.2

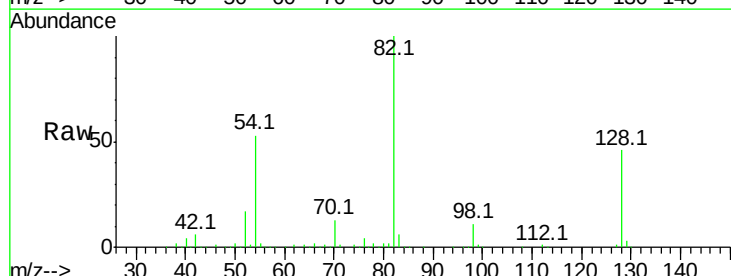


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

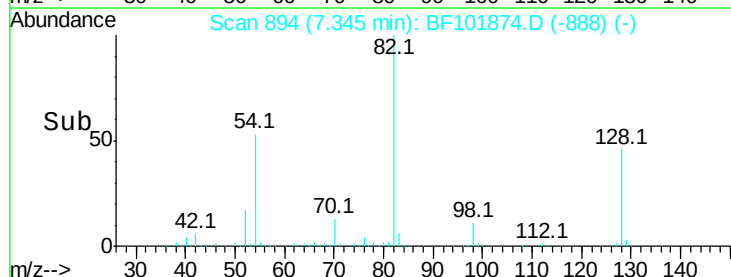
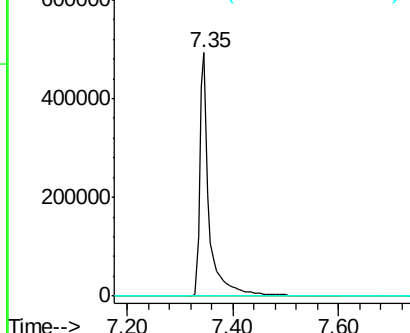


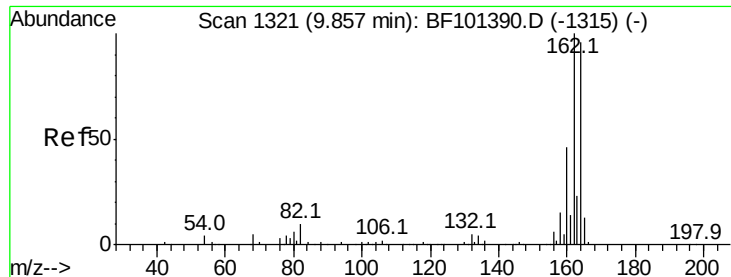
#25
 Isophorone
 Concen: 36.774 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Tgt Ion	82	Resp	614565
Ion Ratio	100	Lower	Upper
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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampled :

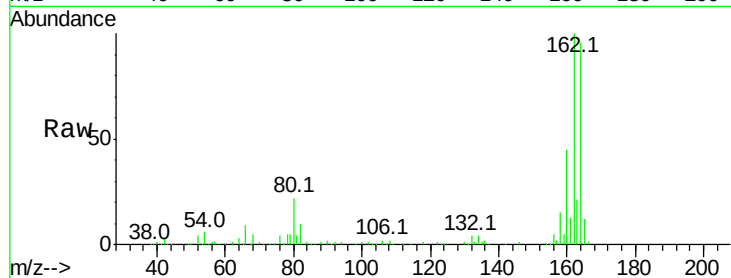
Tot Ion:164 Resp: 170238

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

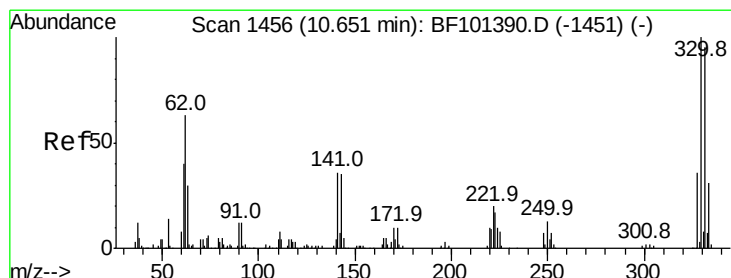
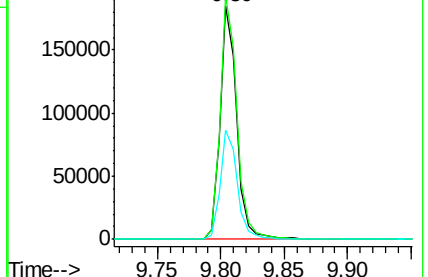
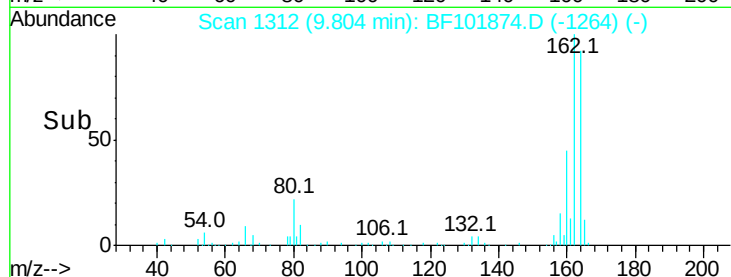
160 46.7 38.3 57.5



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: 86.719 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

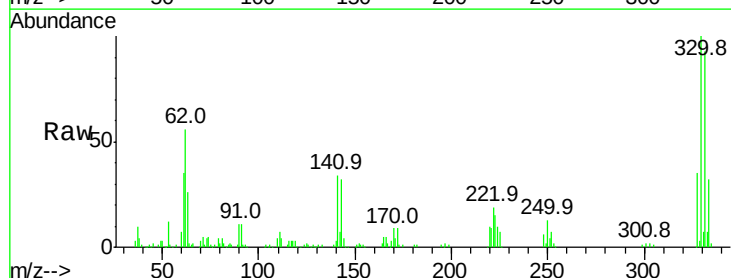
Tgt Ion:330 Resp: 142252

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

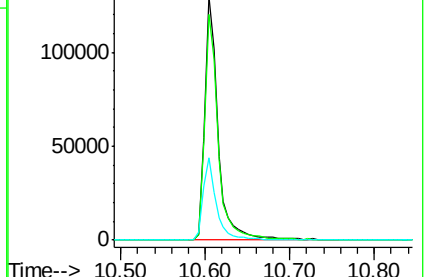
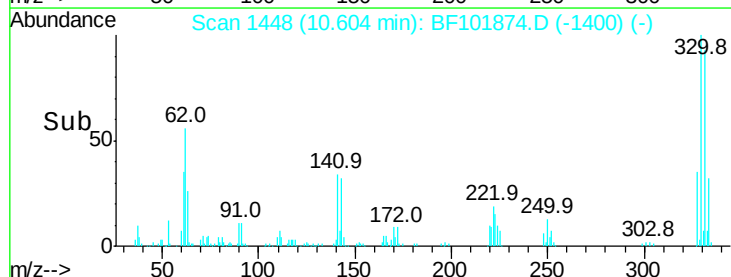
141 33.8 29.9 44.9

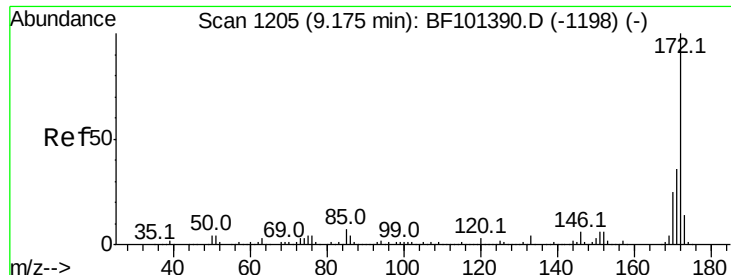


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

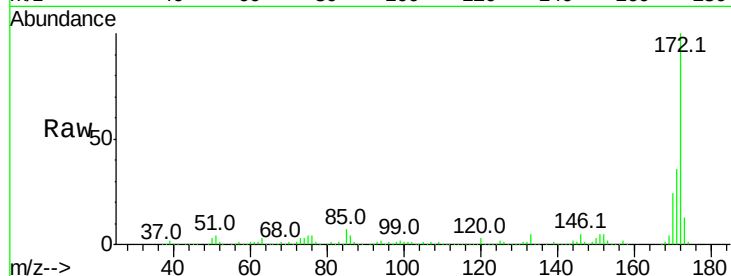




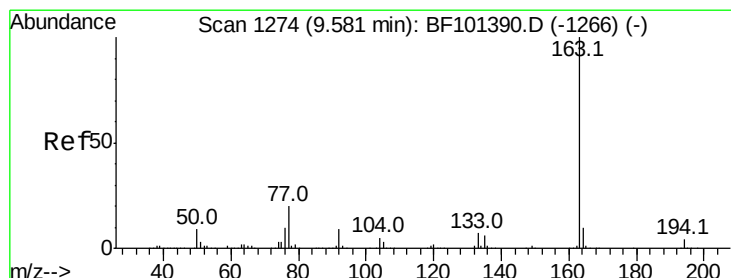
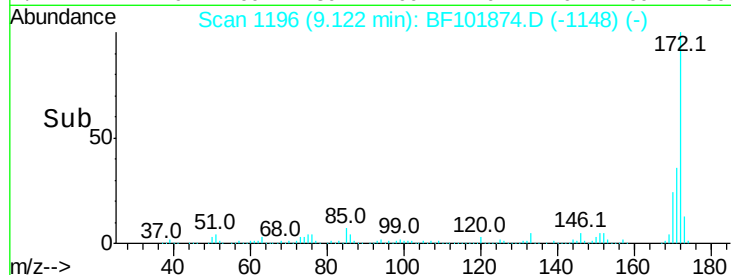
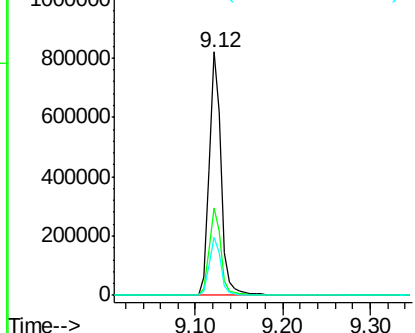
#44
2-Fluorobiphenyl
Concen: 70.946 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 778578
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.9 19.6 29.4

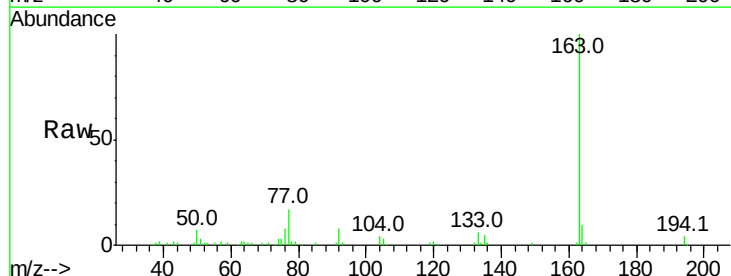


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

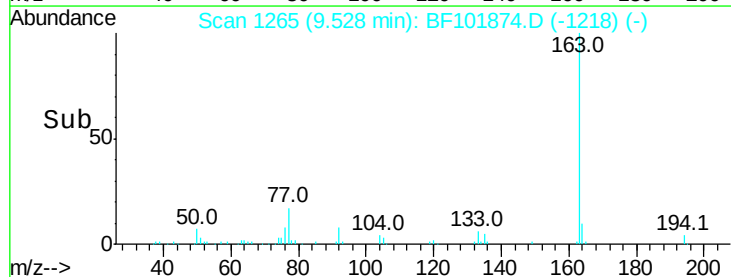
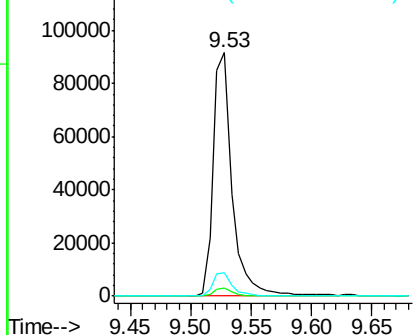


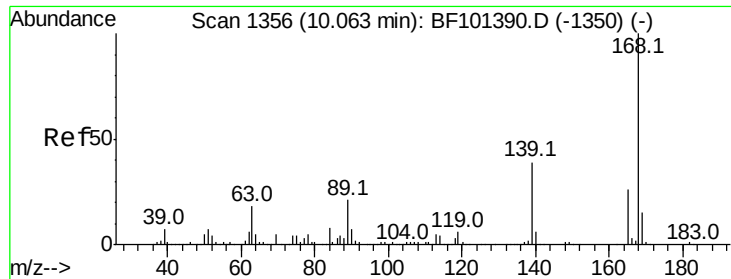
#49
Dimethylphthalate
Concen: 7.213 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion:163 Resp: 98774
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 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

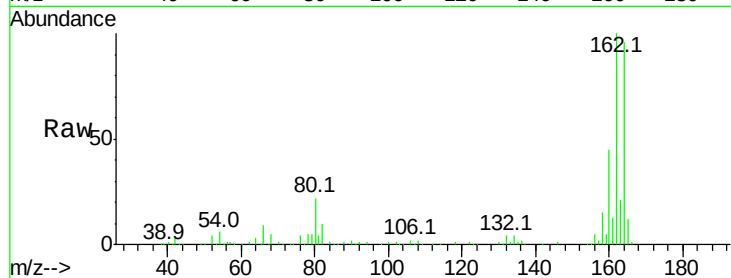




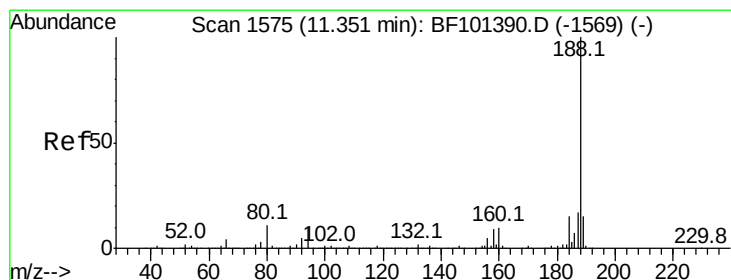
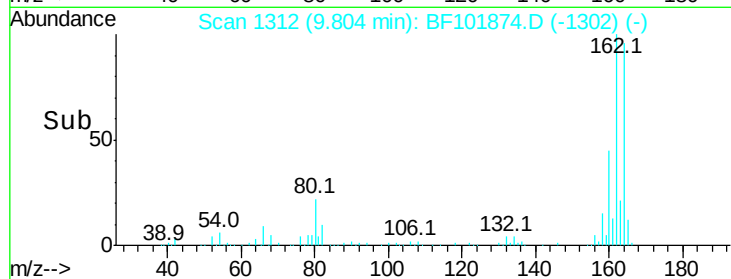
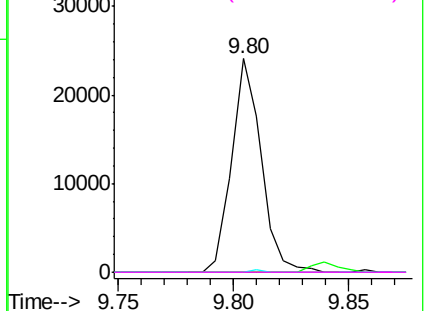
#56
 2,4-Dinitrotoluene
 Concen: 6.846 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.24 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21466
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

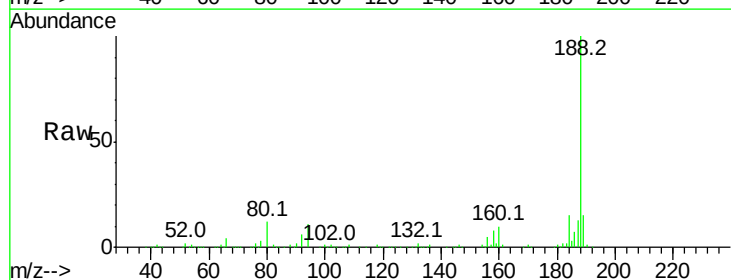


Abundance Ion 165.00 (164.70 to 165.70): E

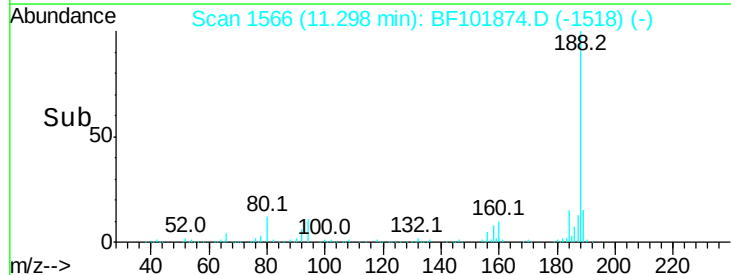
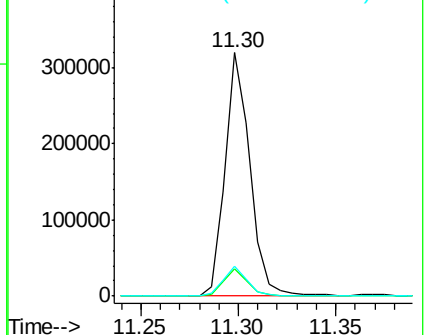


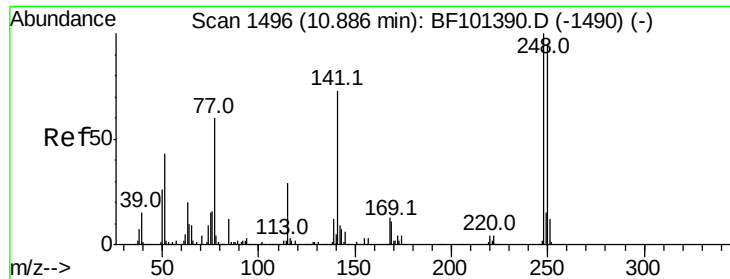
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Tgt Ion:188 Resp: 283317
 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

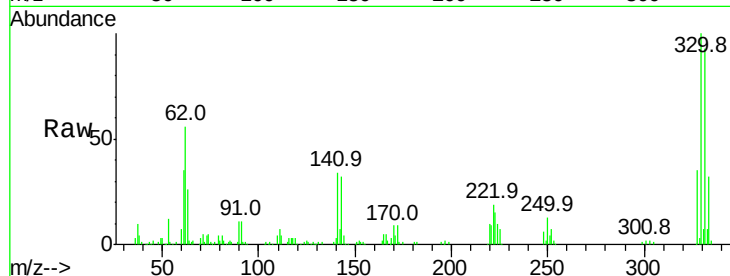




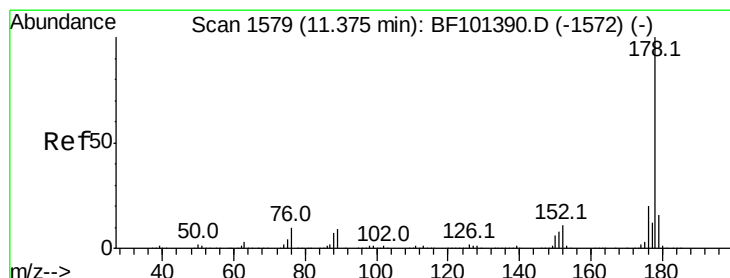
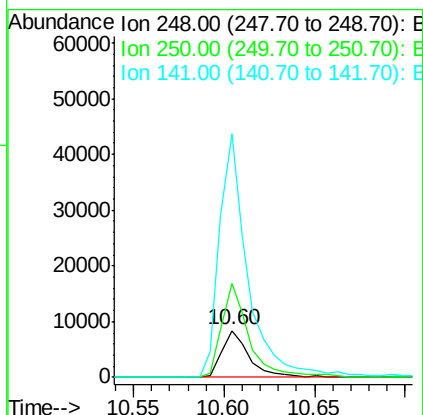
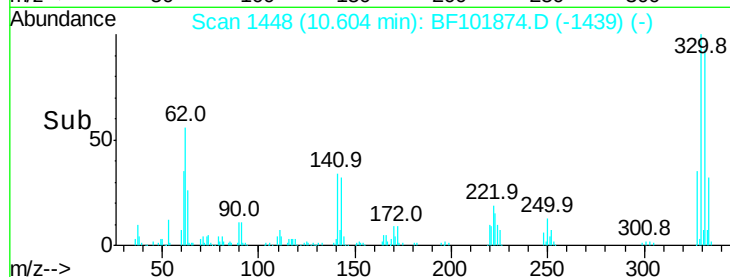
#66
 4-Bromophenyl-phenylether
 Concen: 2.774 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8830
 Ion Ratio Lower Upper
 248 100
 250 199.4 76.9 115.3#
 141 518.5 74.4 111.6#

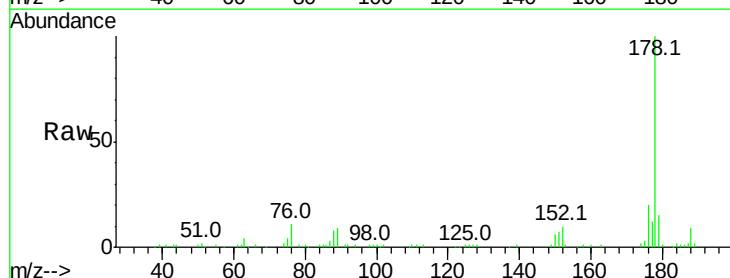


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

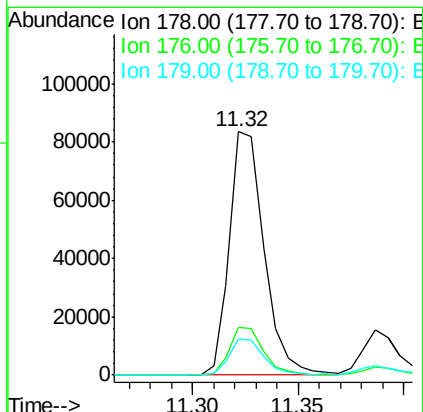
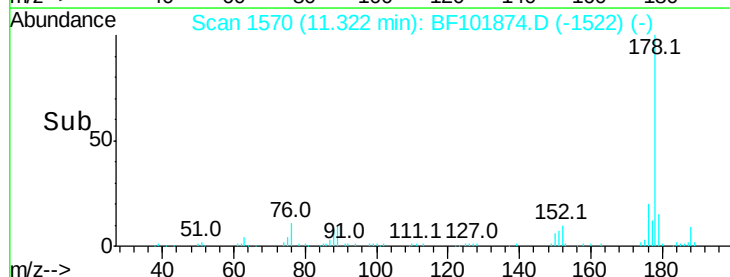


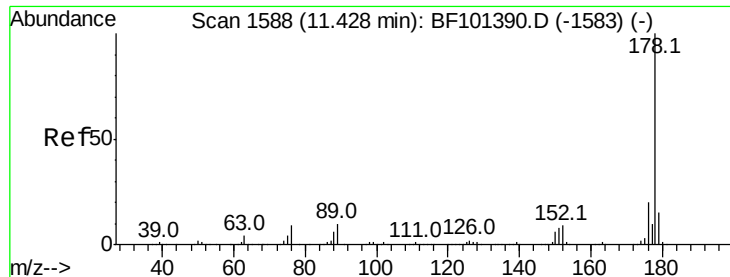
#70
 Phenanthrene
 Concen: 6.042 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Tgt Ion:178 Resp: 95201
 Ion Ratio Lower Upper
 178 100
 176 19.5 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

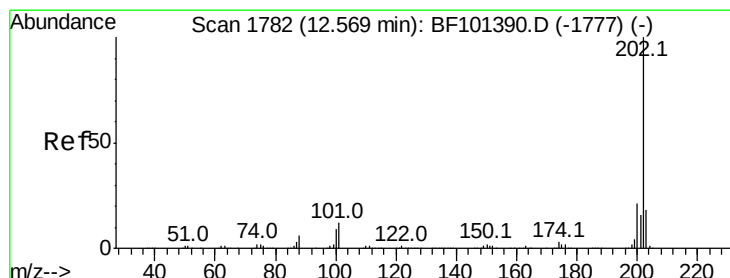
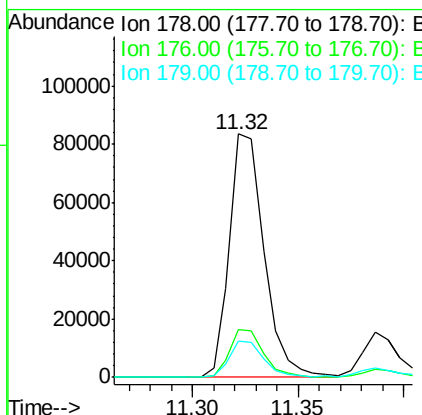
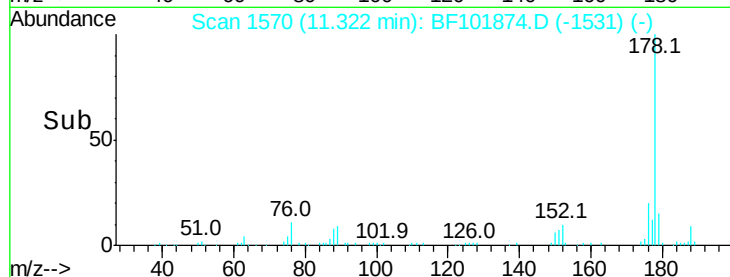
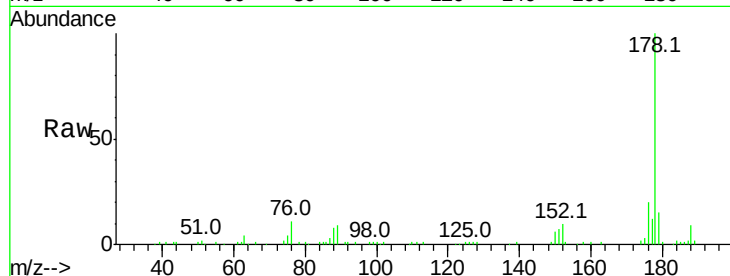




#71
 Anthracene
 Concen: 5.915 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.07 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

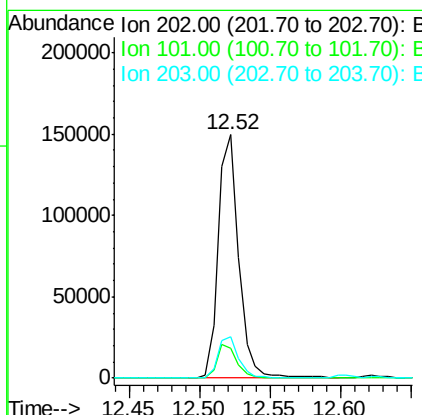
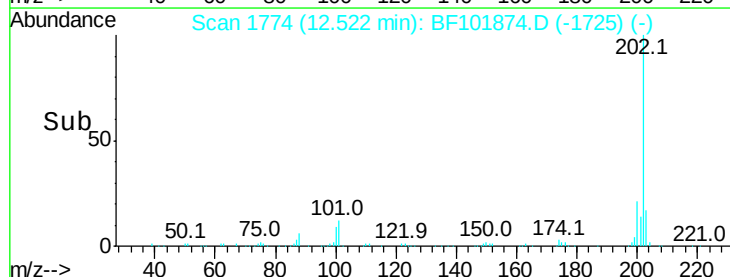
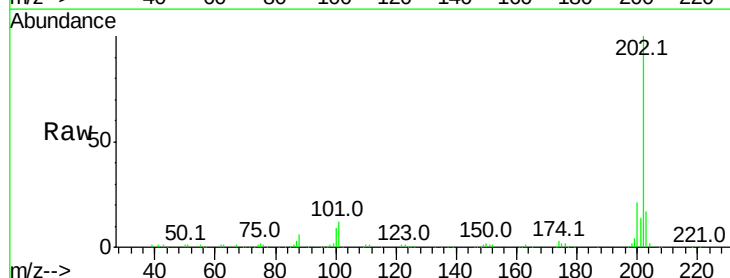
Instrument :
 BNA_F
 ClientSampleId :

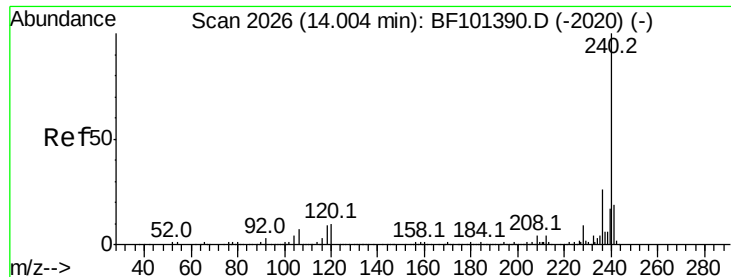
Tot Ion:178 Resp: 95201
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.0 12.6 19.0



#74
 Fluoranthene
 Concen: 9.135 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Tgt Ion:202 Resp: 151076
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampleId :

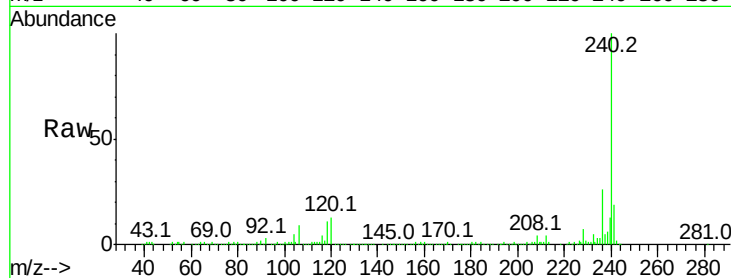
Tot Ion:240 Resp: 256976

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

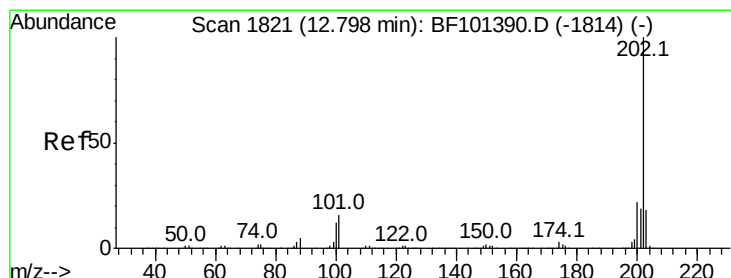
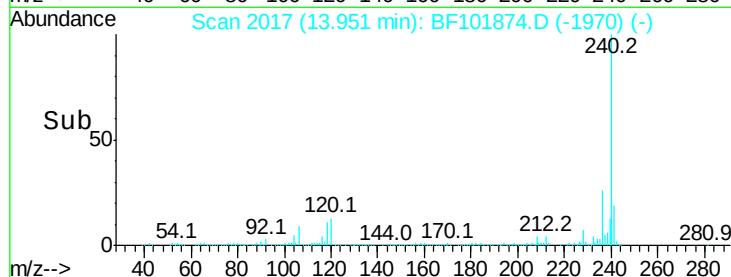
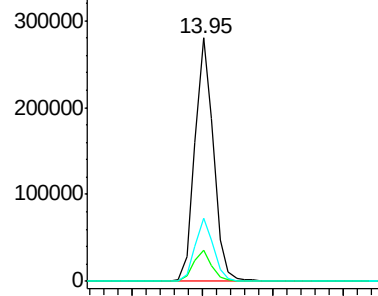
236 26.1 20.7 31.1



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: 6.961 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

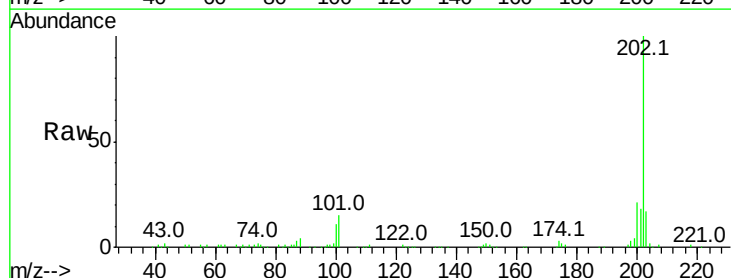
Tgt Ion:202 Resp: 134245

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

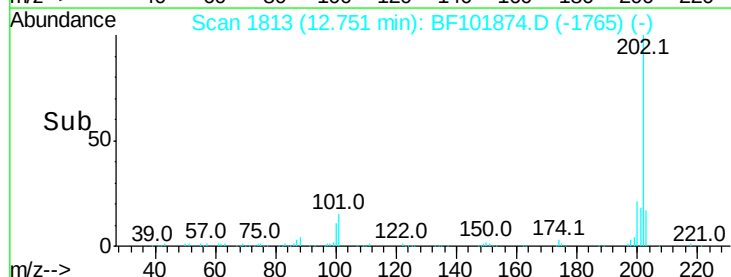
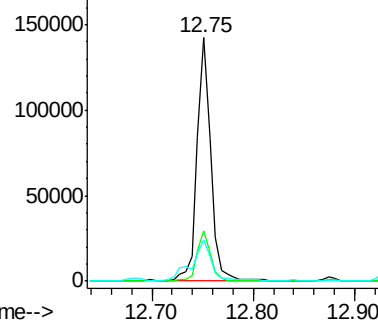
203 16.8 14.3 21.5

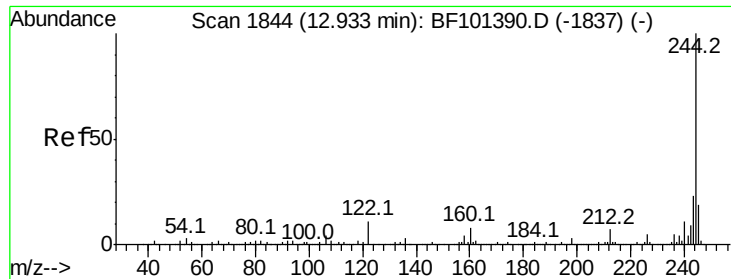


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.236 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampleId :

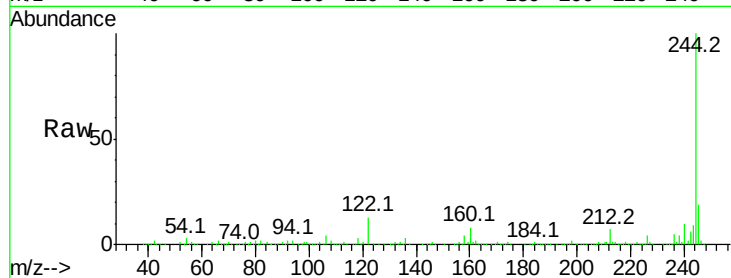
Tot Ion:244 Resp: 588792

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

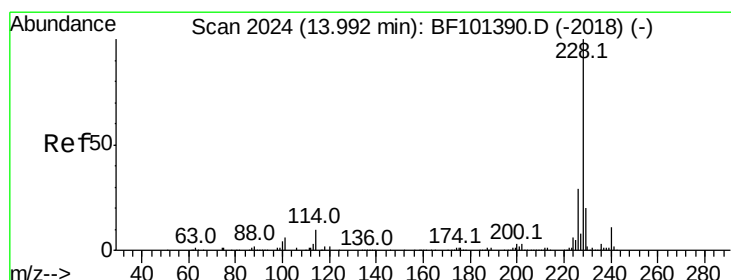
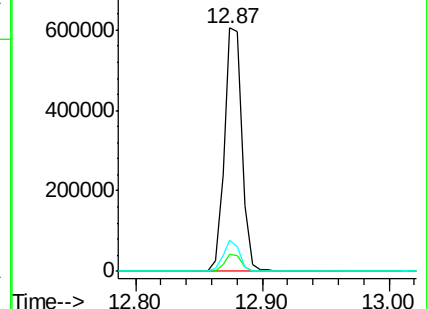
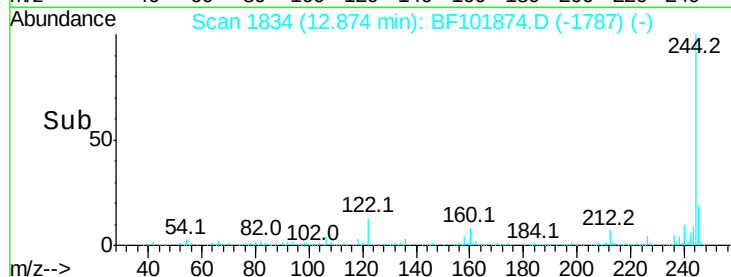
122 13.0 11.0 16.4



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: 4.136 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

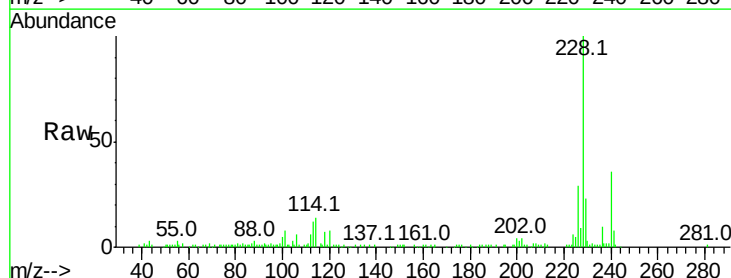
Tgt Ion:228 Resp: 70179

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

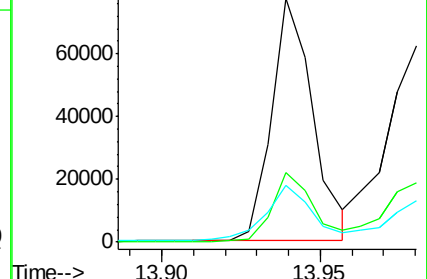
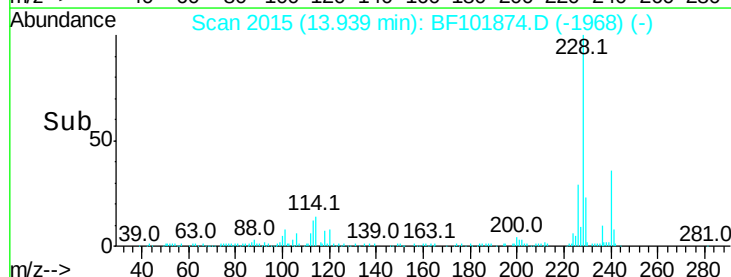
229 23.1 15.8 23.6

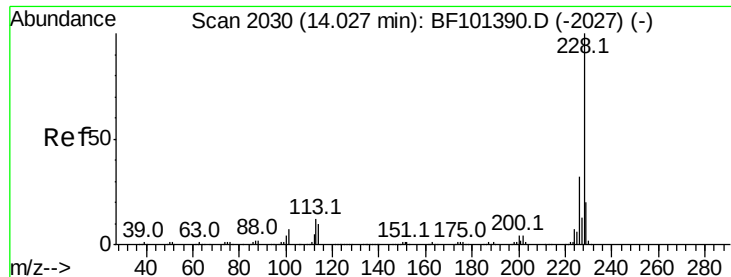


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

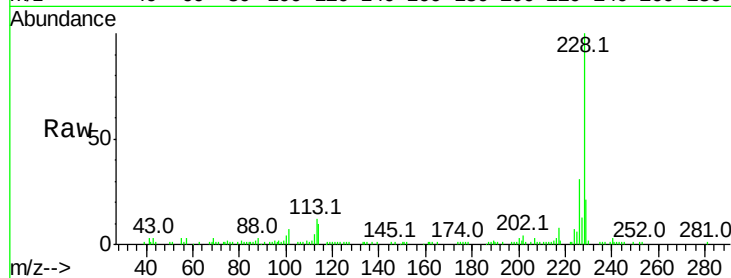




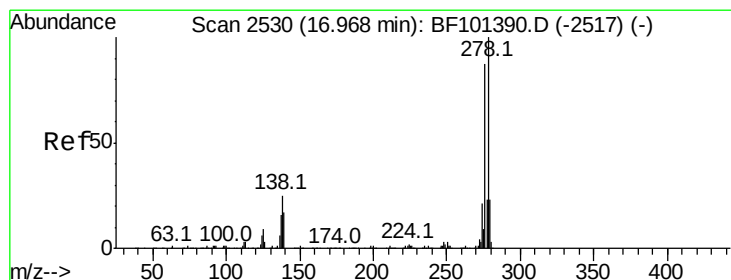
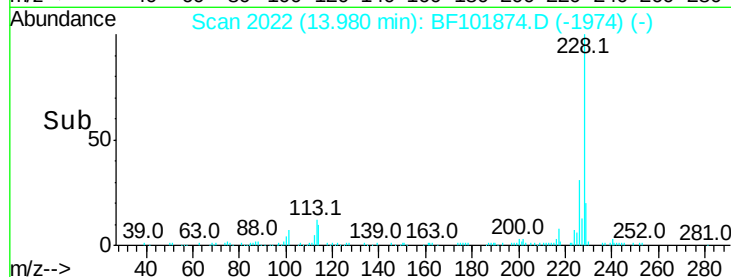
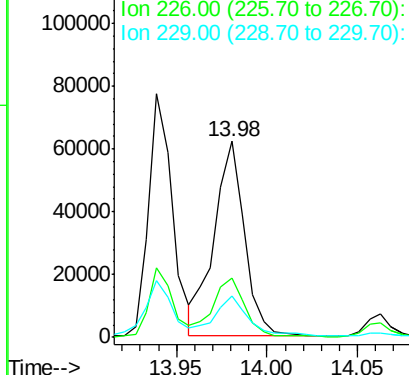
#82
Chrysene
Concen: 4.561 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 73081
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 20.9 16.2 24.4

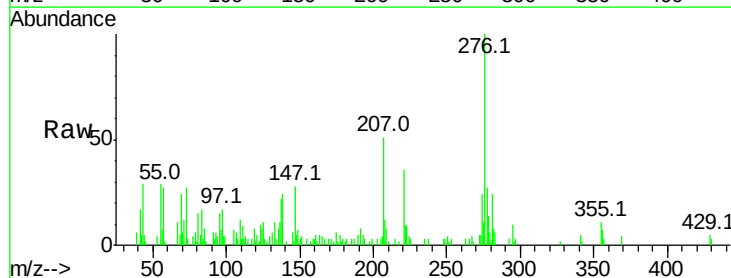


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

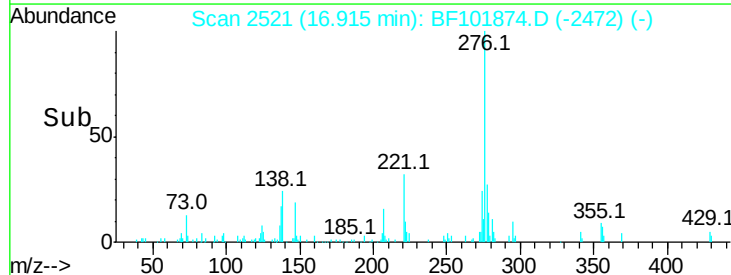
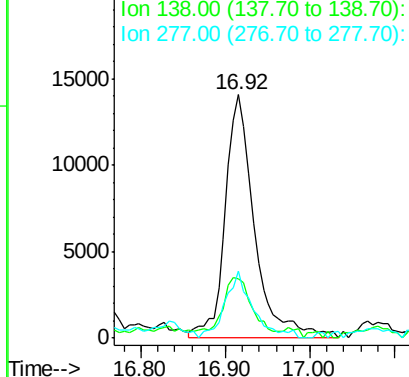


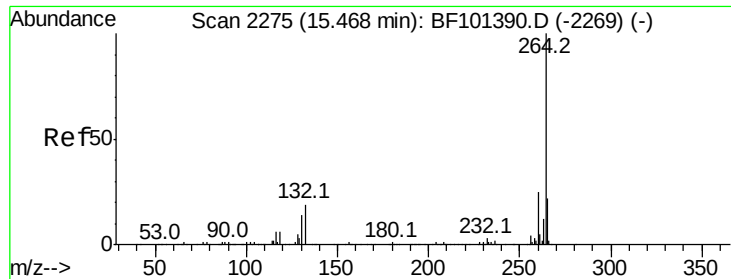
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.373 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion:276 Resp: 33851
Ion Ratio Lower Upper
276 100
138 25.0 25.0 37.6#
277 25.9 20.1 30.1



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



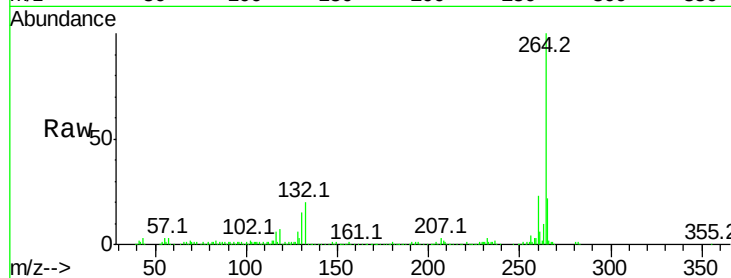


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

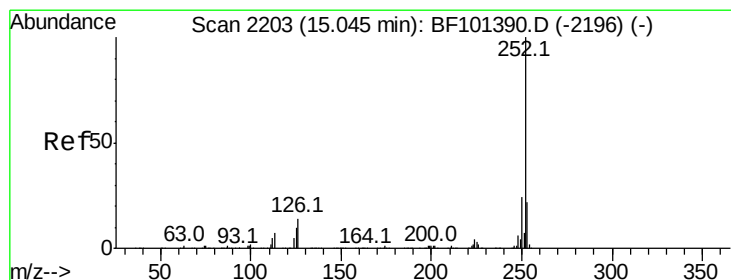
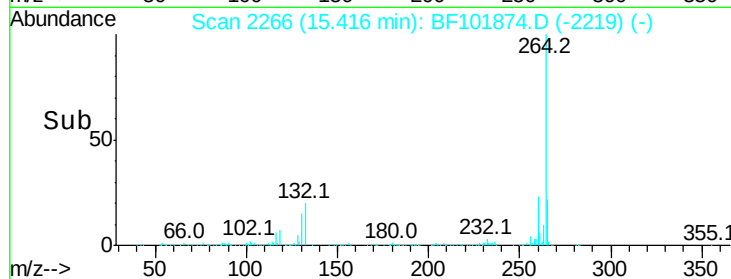
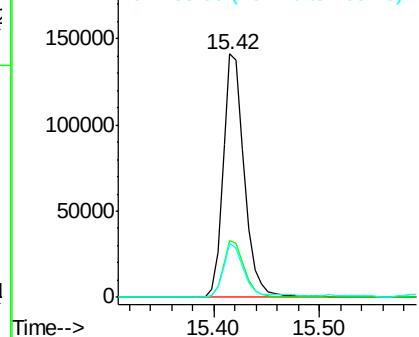
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 198613

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.5	26.3



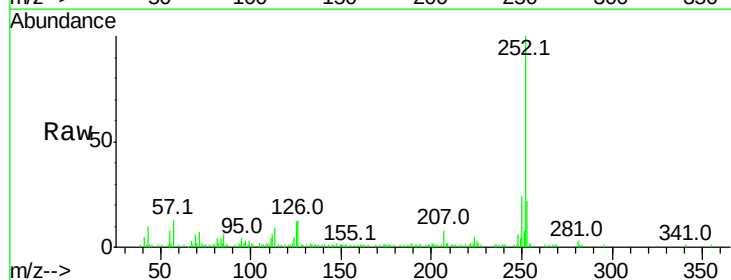
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



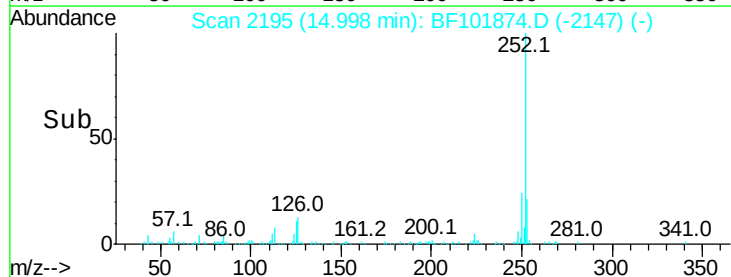
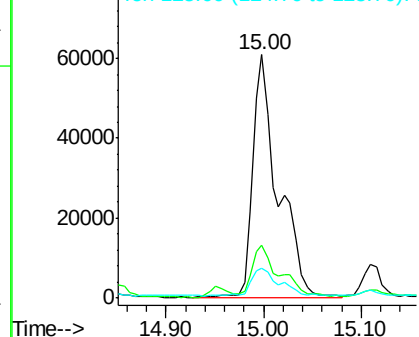
#87
Benzo(b)fluoranthene
Concen: 9.205 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

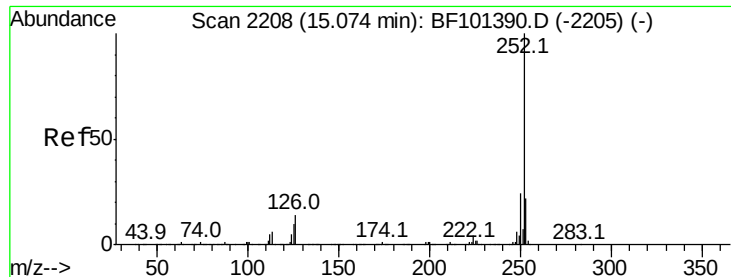
Tgt Ion:252 Resp: 111437

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.4	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

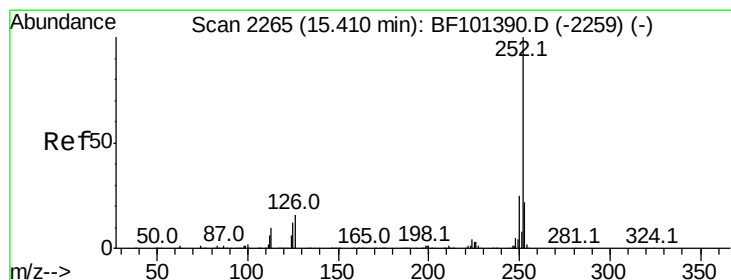
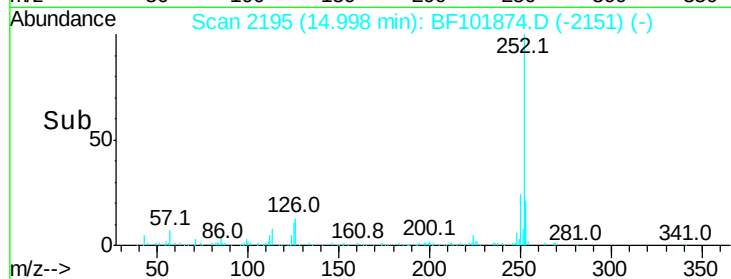
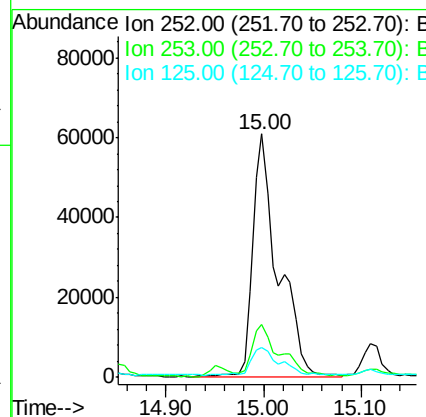
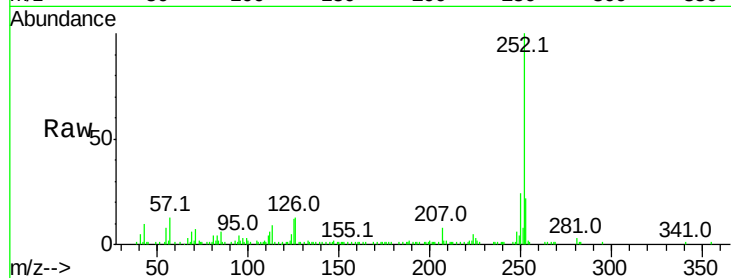




#88
Benzo(k)fluoranthene
Concen: 9.468 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

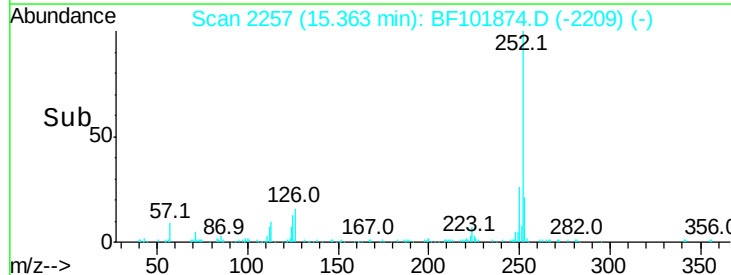
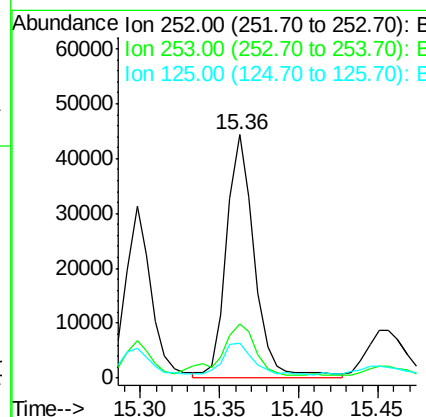
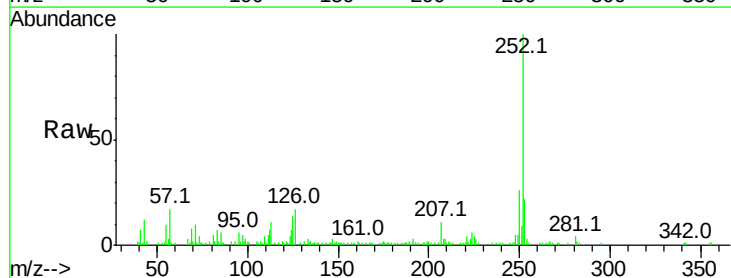
Instrument :
BNA_F
ClientSampleId :

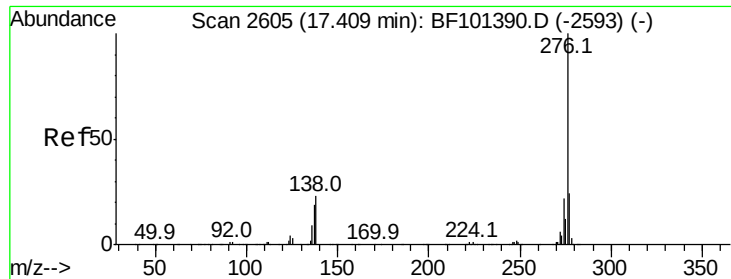
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	12.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.910 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.101 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.00 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampleId :

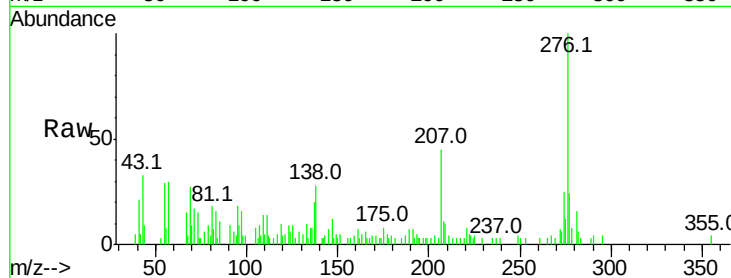
Tot Ion:276 Resp: 29421

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 28.4 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

