

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101460.D
 Acq On : 15 Dec 2017 23:02
 Operator : SJ/JU
 Sample : I6888-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 00:16:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171885	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	687259	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	282708	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	467297	20.00	ng	0.00
75) Chrysene-d12	14.00	240	334307	20.00	ng	0.00
86) Perylene-d12	15.47	264	301728	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	964146	83.55	ng	0.01
7) Phenol-d6	6.46	99	1164095	81.06	ng	0.00
23) Nitrobenzene-d5	7.39	82	727464	58.92	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	209849	77.03	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1220905	66.99	ng	0.00
78) Terphenyl-d14	12.93	244	895319	64.56	ng	0.00

Target Compounds

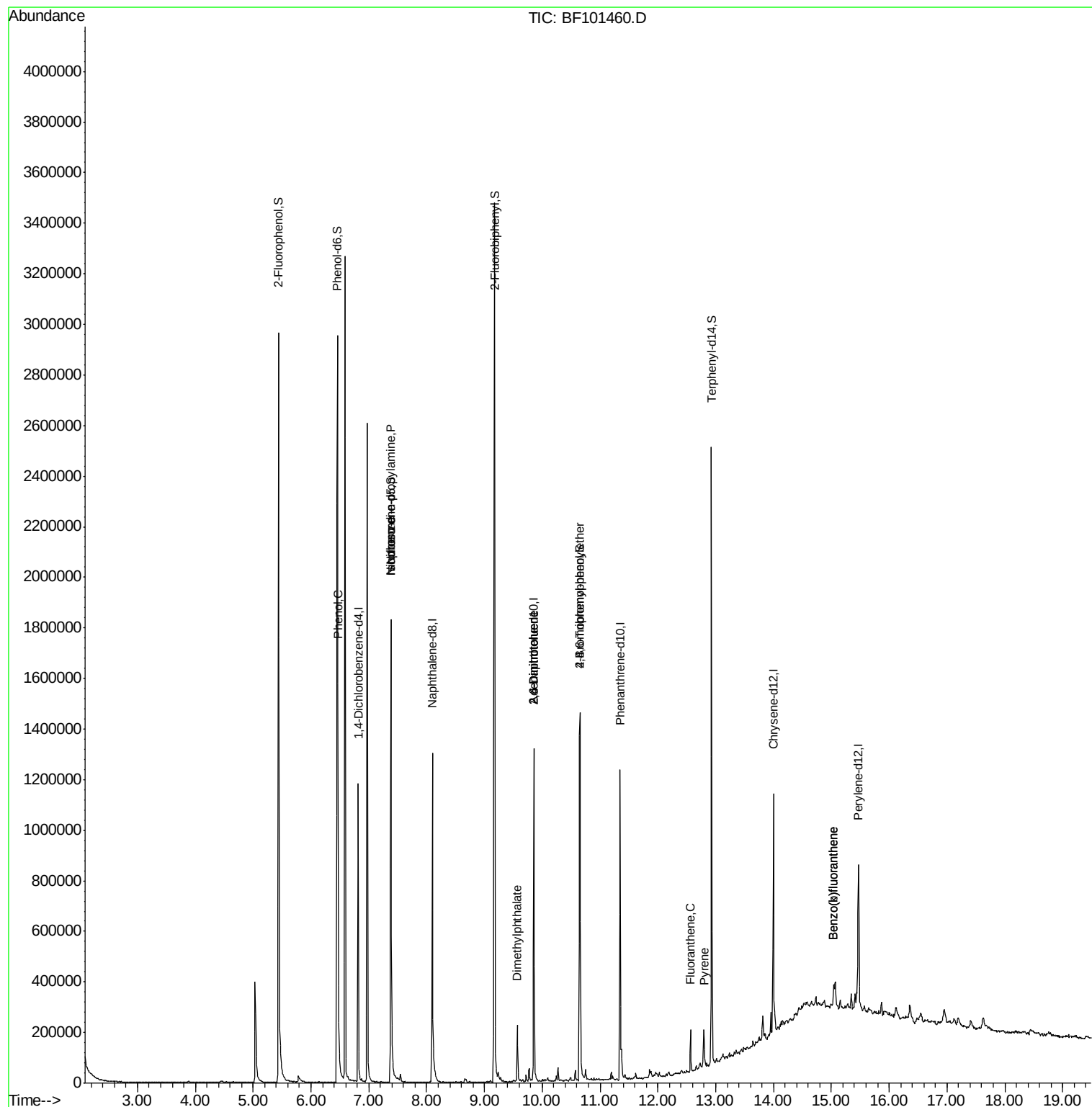
						Qvalue
10) Phenol	6.47	94	58929	3.600	ng	89
19) n-Nitroso-di-n-propylamine	7.39	70	95997	10.179	ng	# 81
25) Isophorone	7.39	82	727460	29.372	ng	# 64
49) Dimethylphthalate	9.57	163	103612	4.556	ng	99
50) 2,6-Dinitrotoluene	9.85	165	36661	7.932	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	36662	7.041	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	13165	2.507	ng	# 1
74) Fluoranthene	12.56	202	66464	2.437	ng	98
77) Pyrene	12.80	202	64297	2.563	ng	97
87) Benzo(b)fluoranthene	15.04	252	63611	3.459	ng	# 83
88) Benzo(k)fluoranthene	15.04	252	63611	3.557	ng	# 86

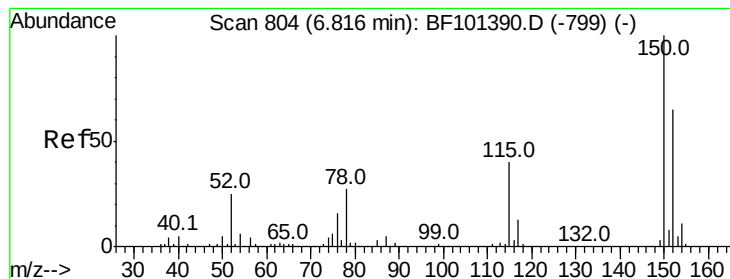
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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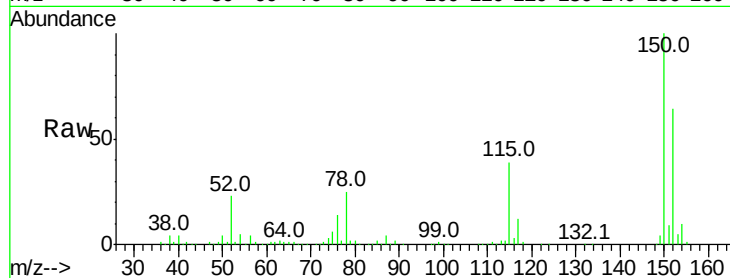


#1

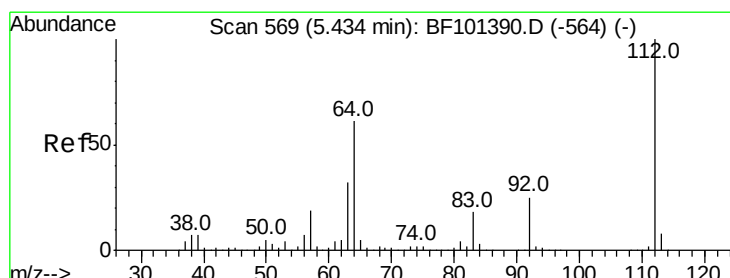
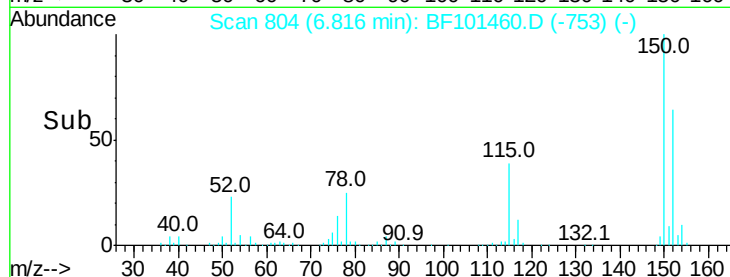
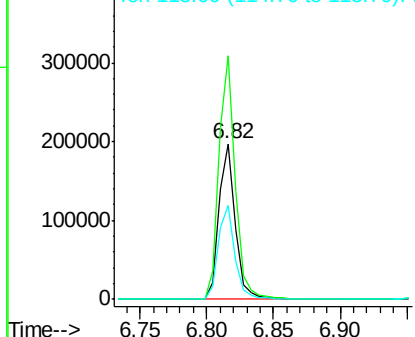
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101460.D
Acq: 15 Dec 2017 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171885
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 60.6 50.1 75.1



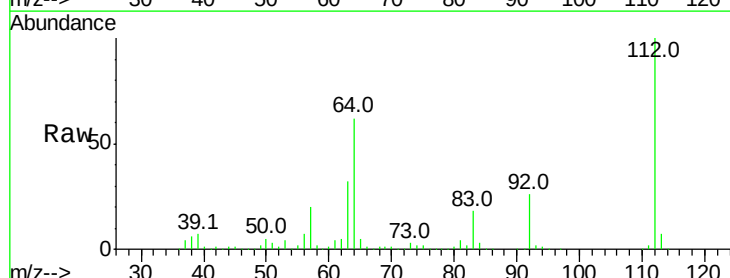
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



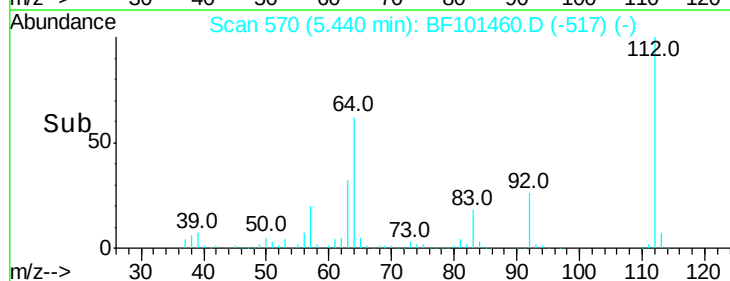
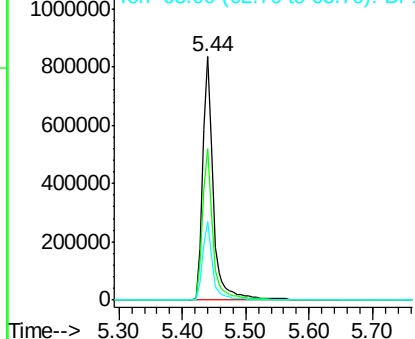
#5

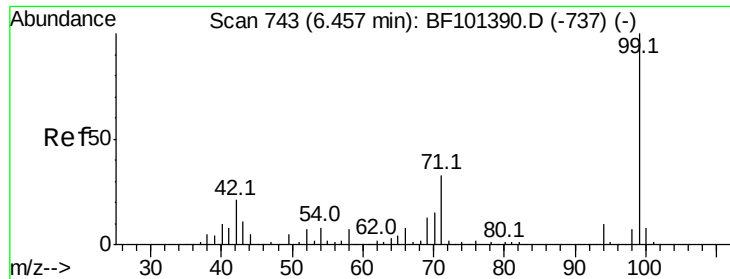
2-Fluorophenol
Concen: 83.554 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF101460.D
Acq: 15 Dec 2017 23:02

Tgt Ion:112 Resp: 964146
Ion Ratio Lower Upper
112 100
64 62.4 47.9 71.9
63 32.0 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: 81.060 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

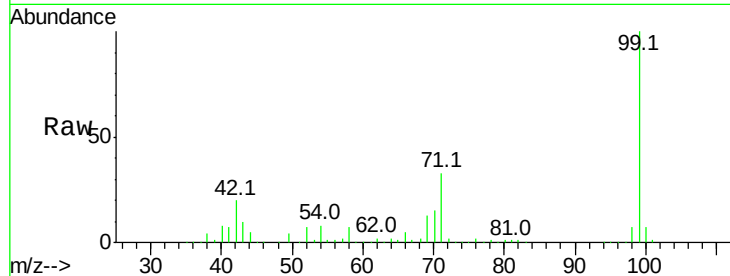
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1164095

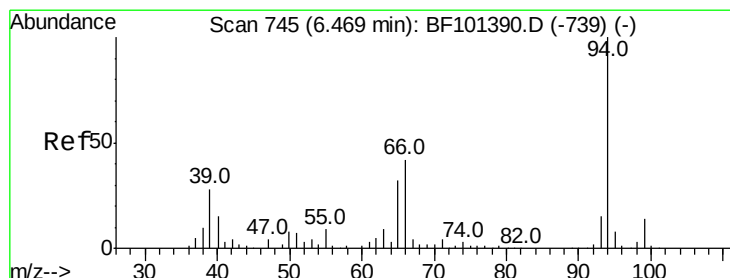
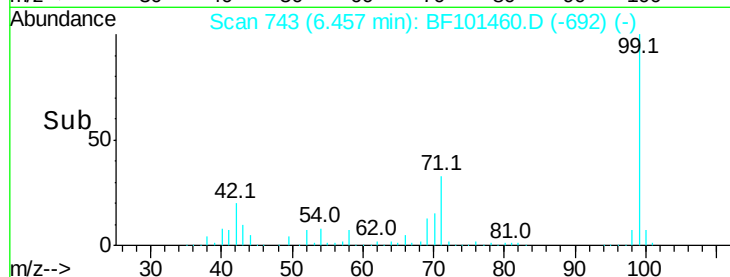
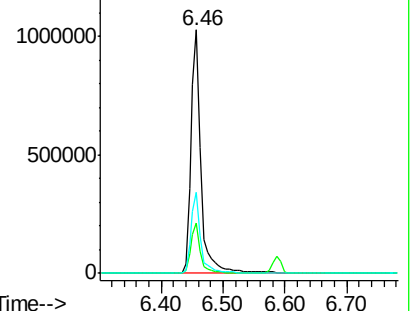
Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	33.1	25.4	38.0



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: 3.600 ng

RT: 6.47 min Scan# 745

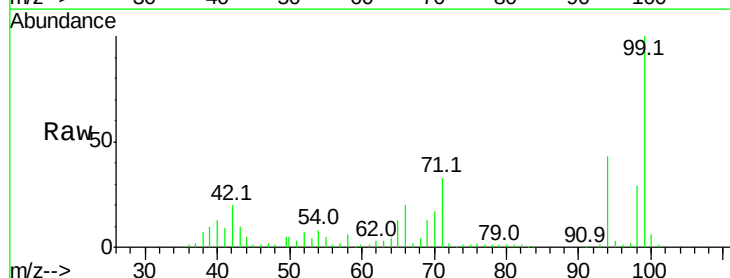
Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Tgt Ion: 94 Resp: 58929

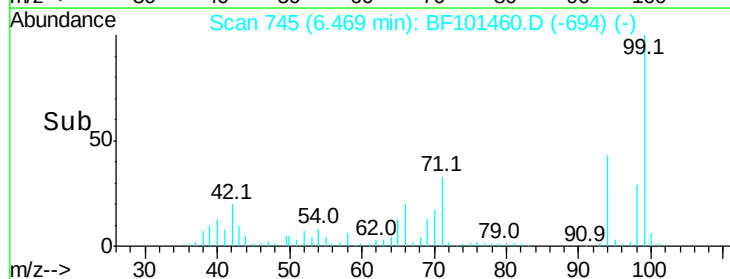
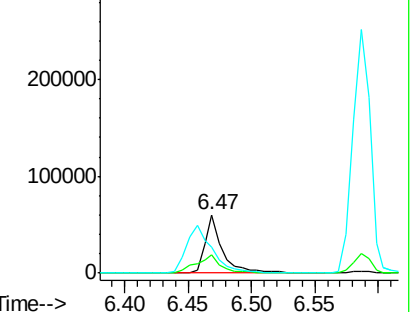
Ion	Ratio	Lower	Upper
94	100		
65	30.4	7.9	47.9
66	45.4	16.2	56.2

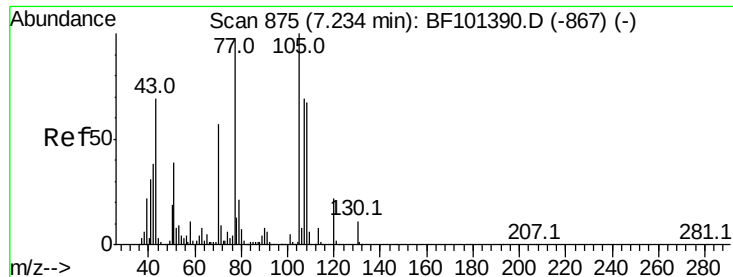


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 10.179 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

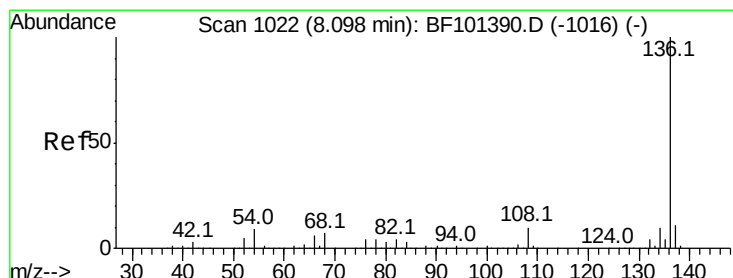
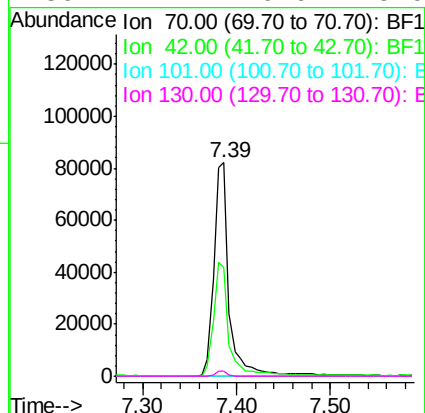
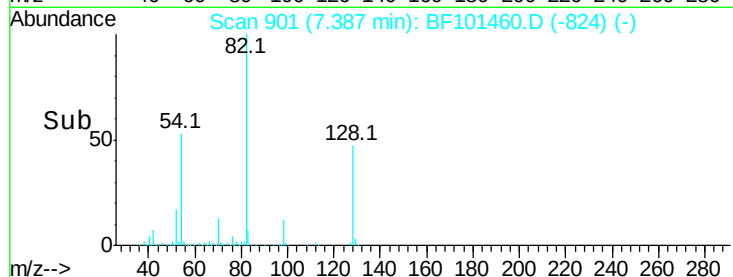
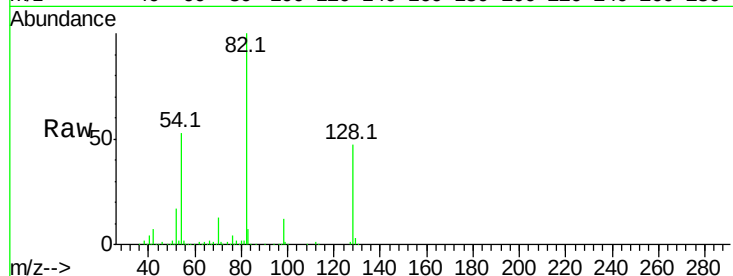
Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 95997

Ion	Ratio	Lower	Upper
70	100		
42	50.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

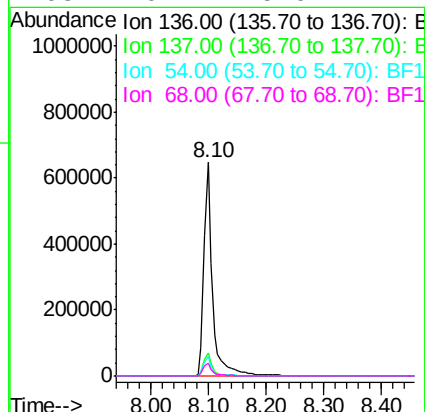
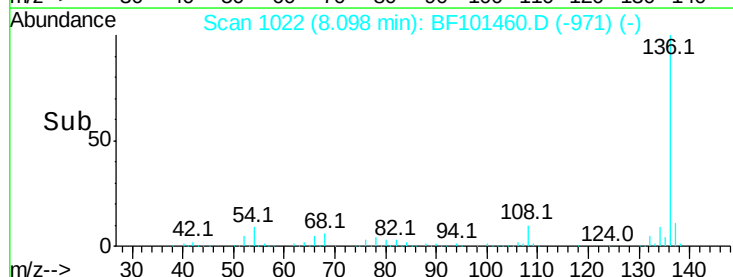
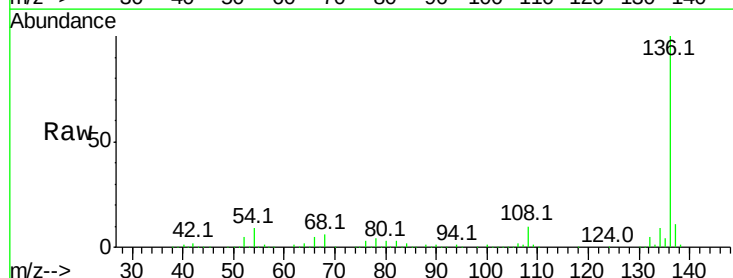
Delta R.T. 0.00 min

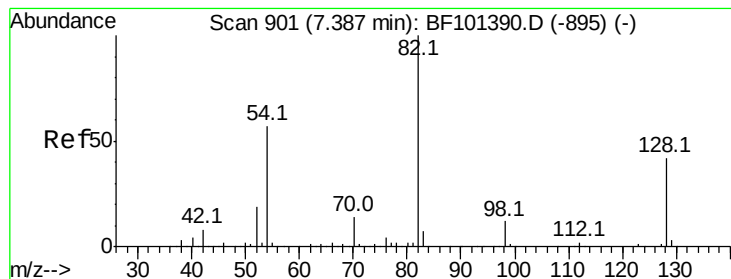
Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Tgt Ion: 136 Resp: 687259

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.9	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 58.922 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Instrument :

BNA_F

ClientSampled :

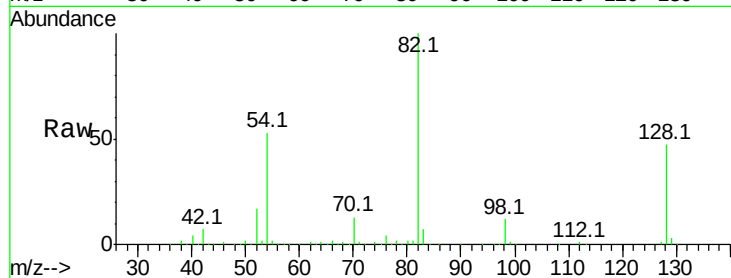
Tot Ion: 82 Resp: 727464

Ion Ratio Lower Upper

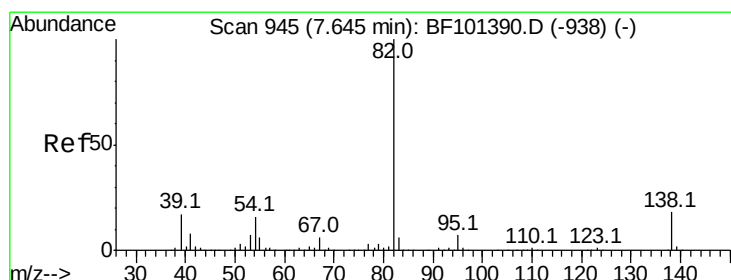
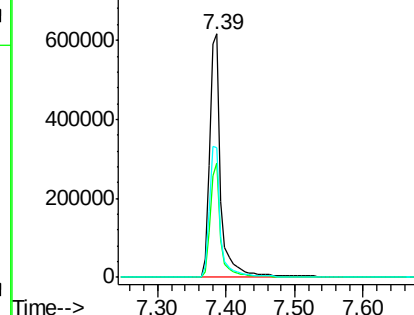
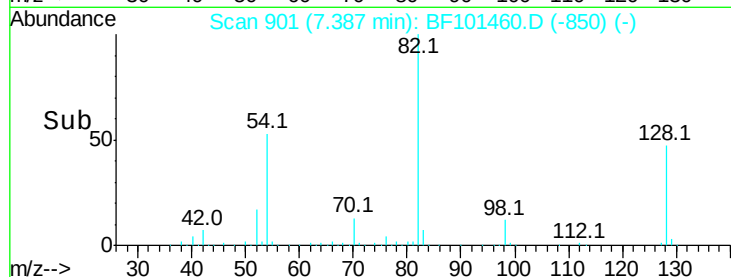
82 100

128 47.1 36.1 54.1

54 53.1 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: 29.372 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.25 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

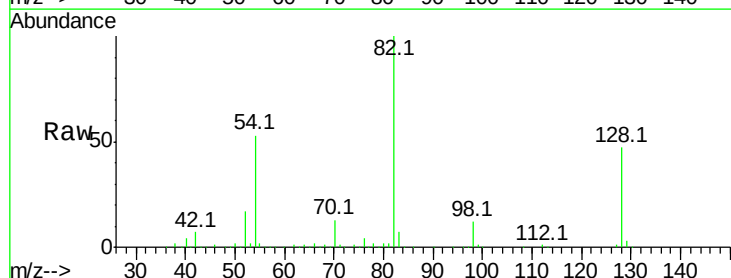
Tgt Ion: 82 Resp: 727460

Ion Ratio Lower Upper

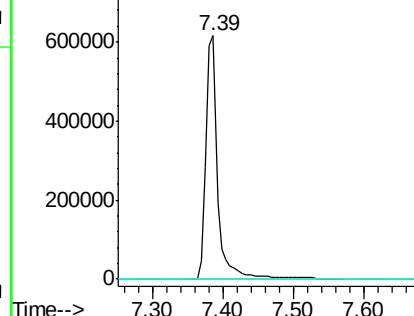
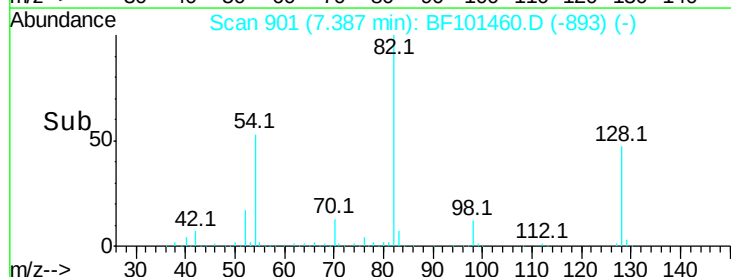
82 100

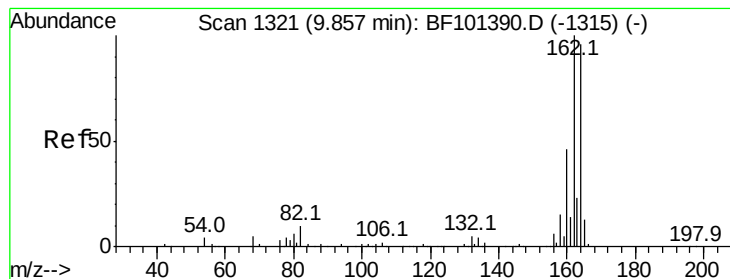
95 0.0 5.2 7.8#

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# 1320

Delta R.T. -0.01 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Instrument :

BNA_F

ClientSampleId :

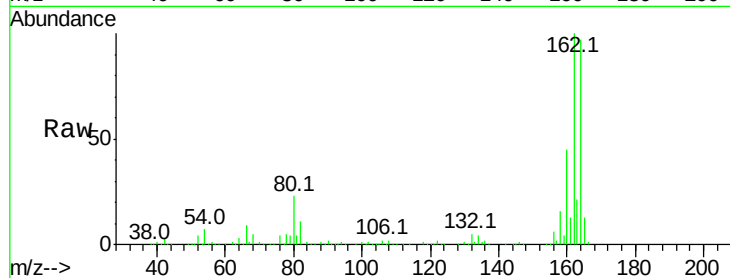
Tot Ion:164 Resp: 282708

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

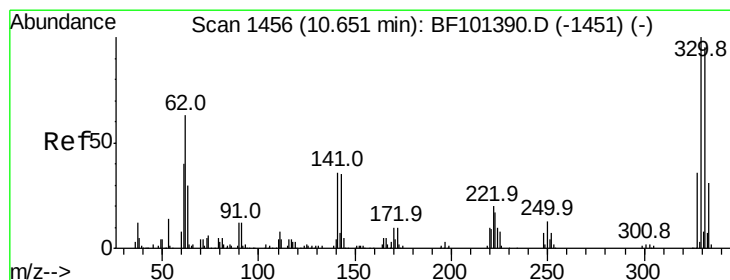
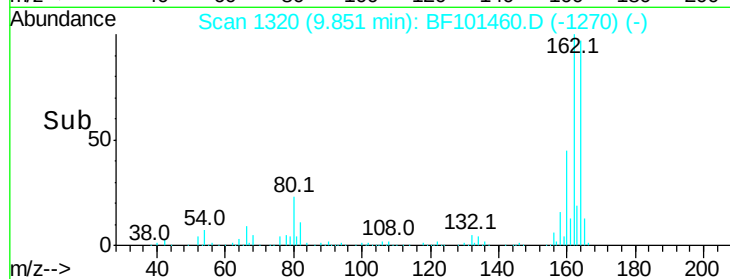
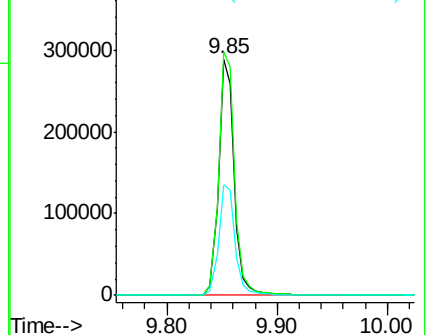
160 46.5 38.3 57.5



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: 77.034 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

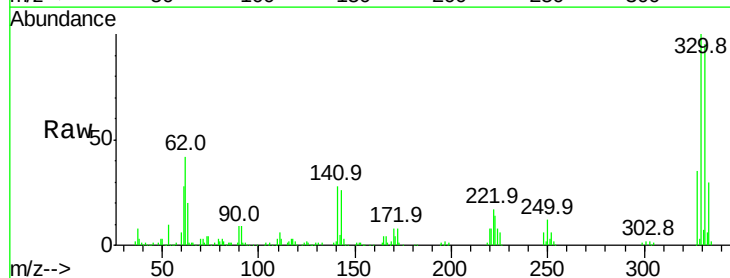
Tgt Ion:330 Resp: 209849

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

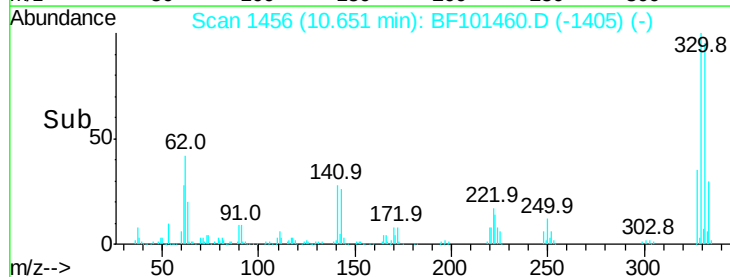
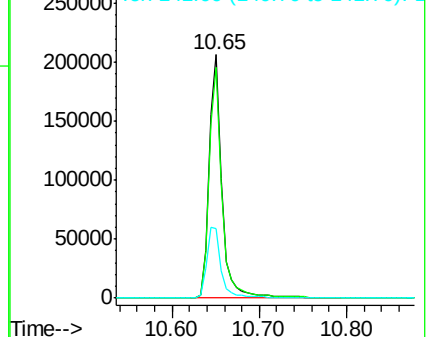
141 32.7 29.9 44.9

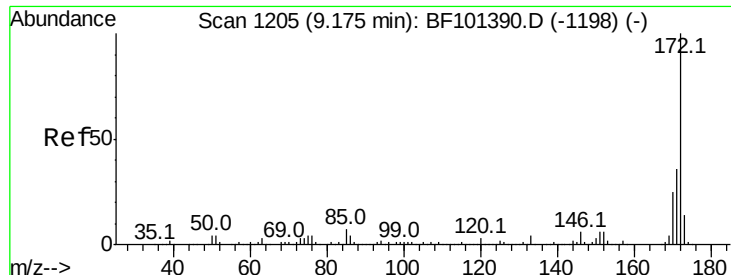


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



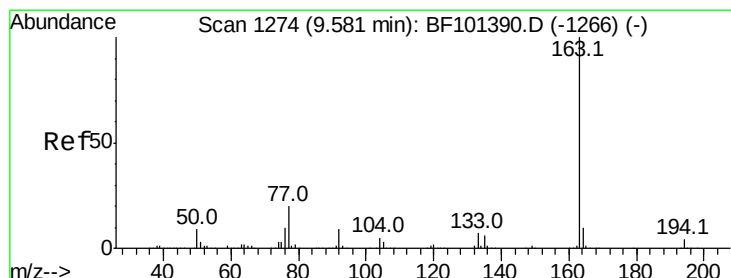
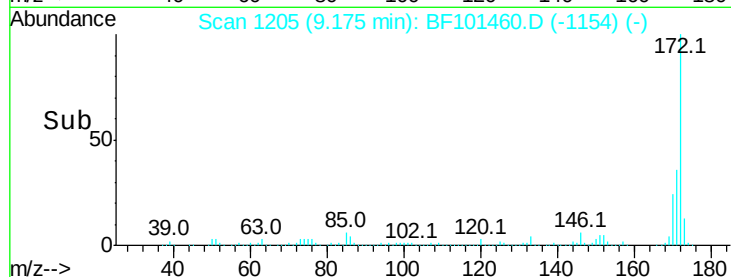
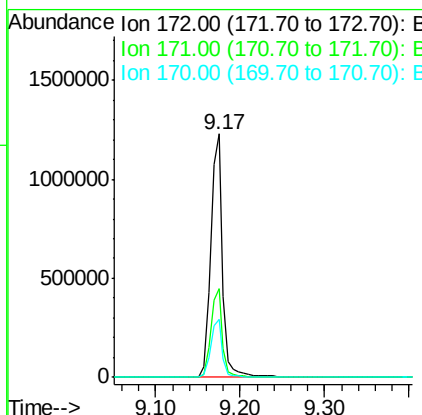
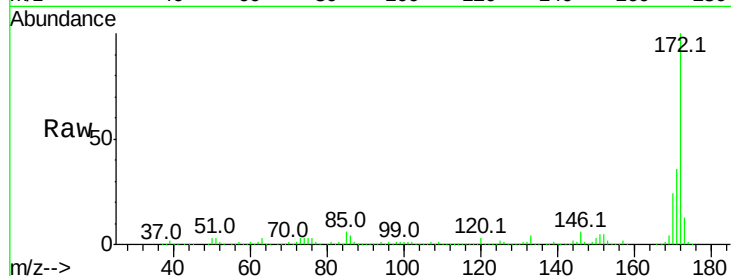


#44
 2-Fluorobiphenyl
 Concen: 66.992 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1220905

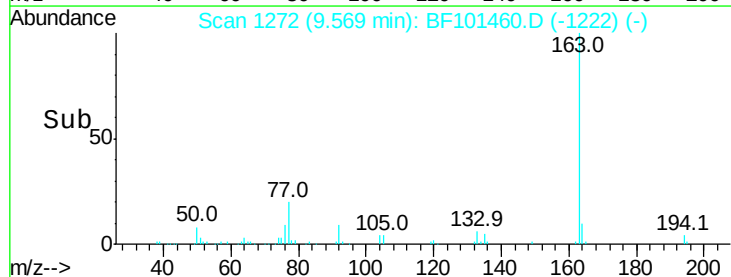
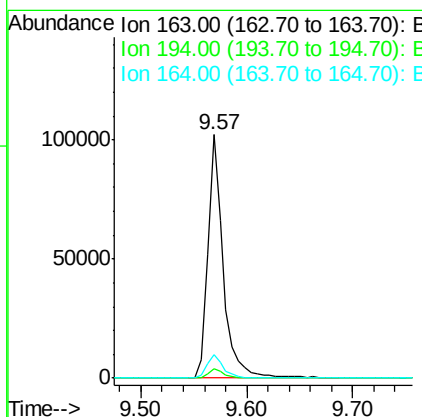
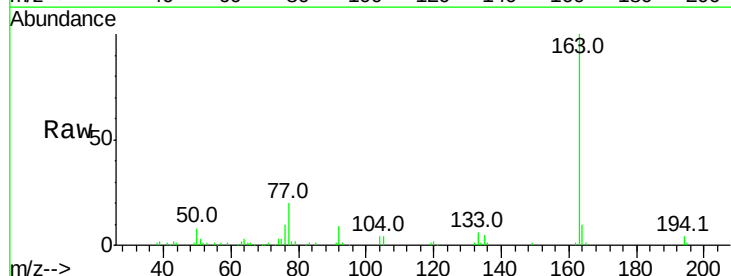
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4

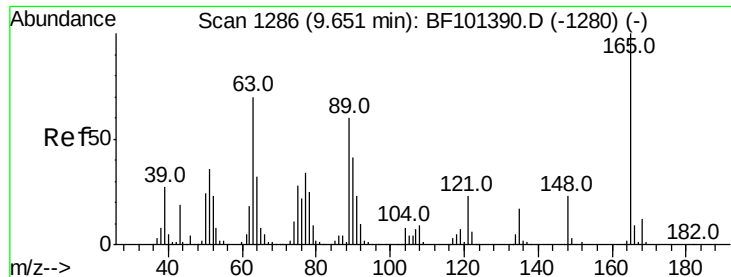


#49
 Dimethylphthalate
 Concen: 4.556 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

Tgt Ion:163 Resp: 103612

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2

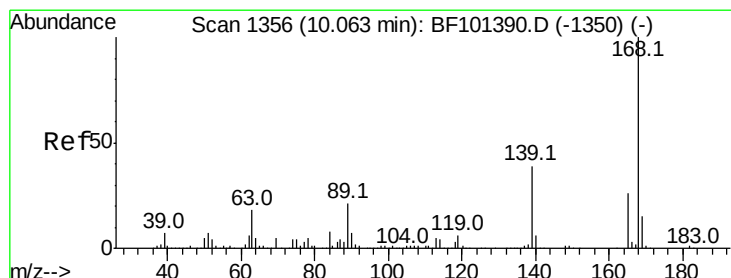
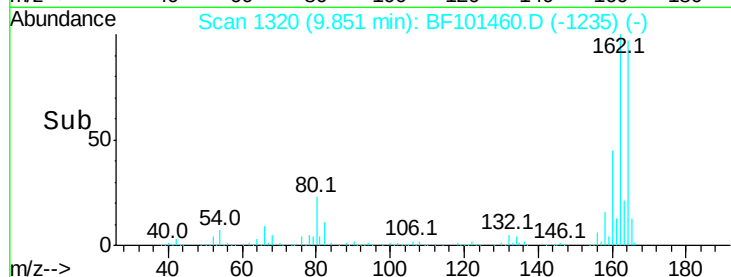
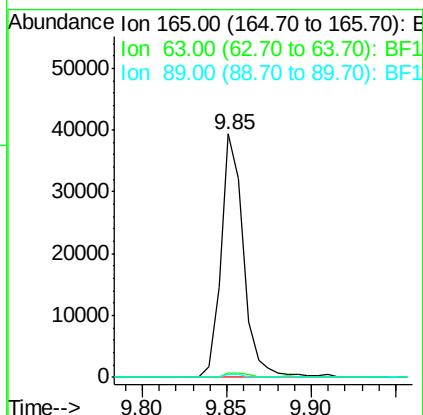
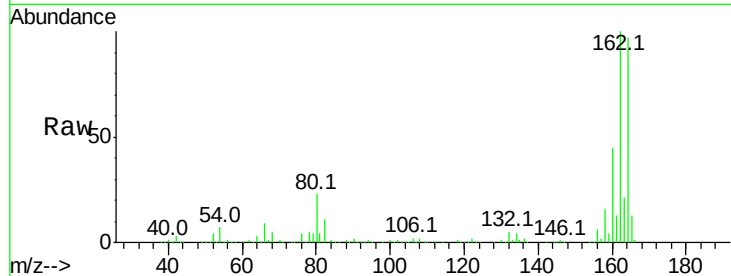




#50
 2,6-Dinitrotoluene
 Concen: 7.932 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

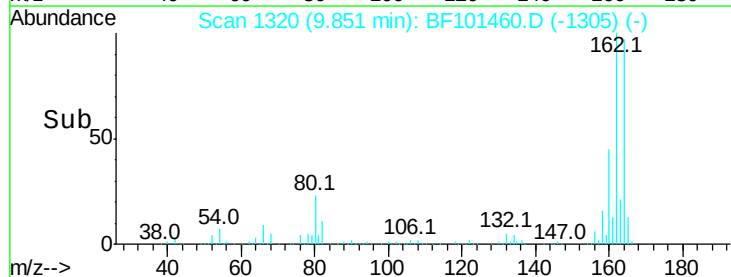
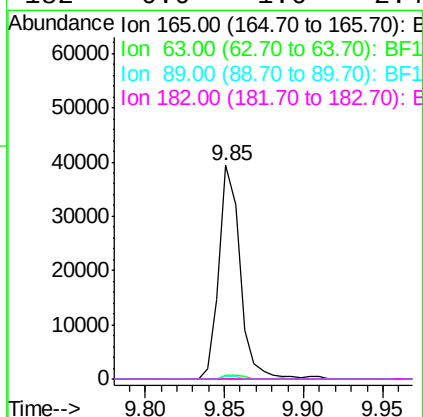
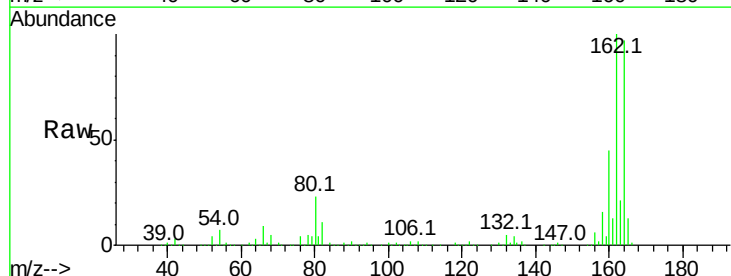
Instrument :
 BNA_F
 ClientSampleId :

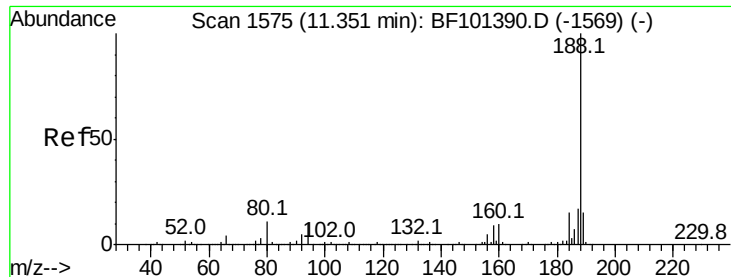
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.041 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

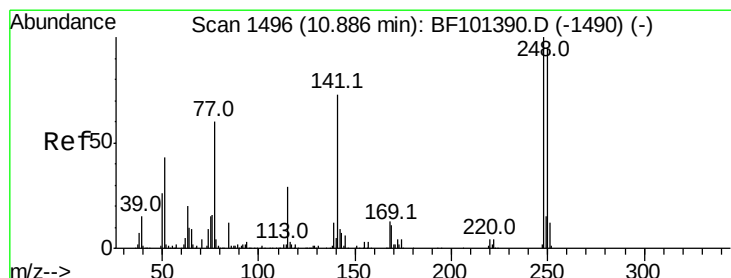
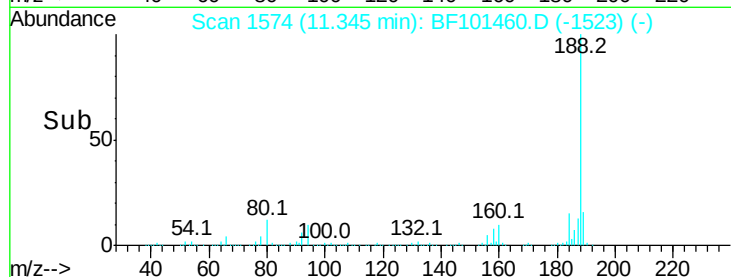
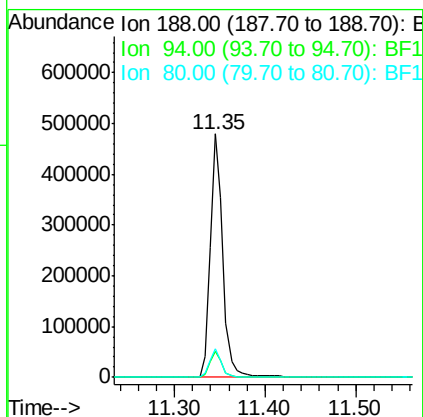
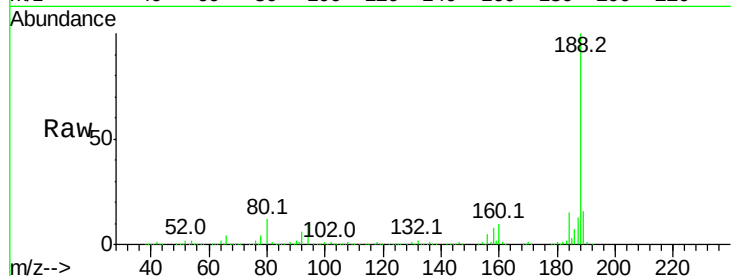




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101460.D
Acq: 15 Dec 2017 23:02

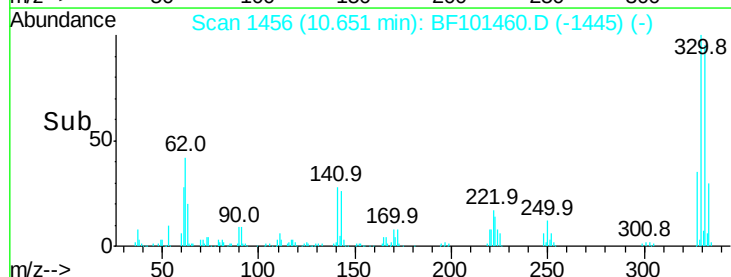
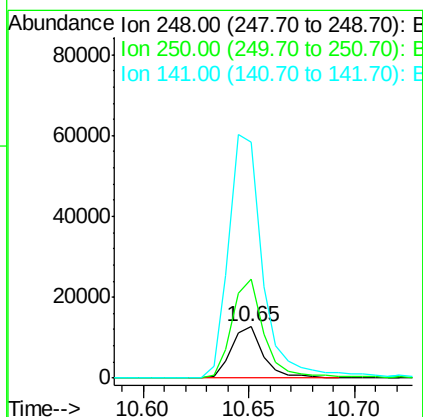
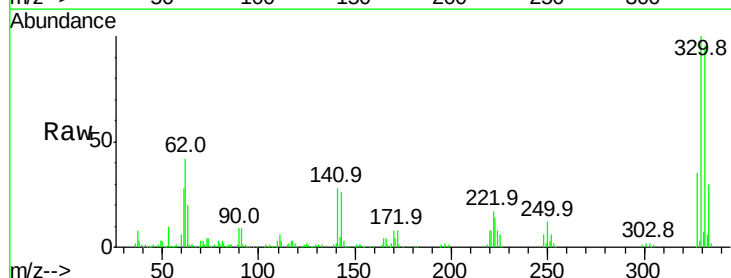
Instrument :
BNA_F
ClientSampleId :

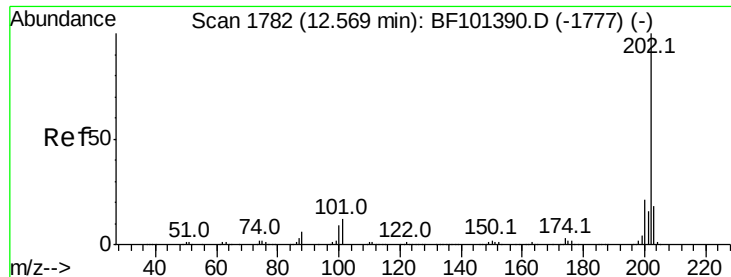
Tot Ion:188 Resp: 467297
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.507 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.24 min
Lab File: BF101460.D
Acq: 15 Dec 2017 23:02

Tgt Ion:248 Resp: 13165
Ion Ratio Lower Upper
248 100
250 193.2 76.9 115.3#
141 462.5 74.4 111.6#

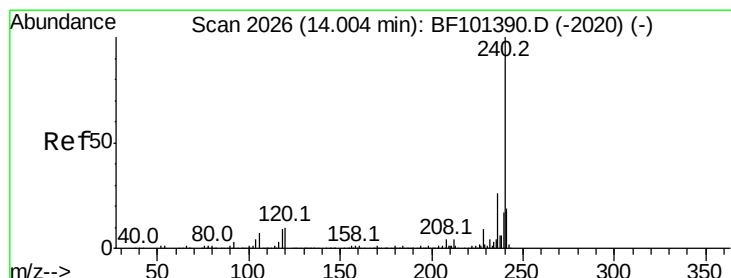
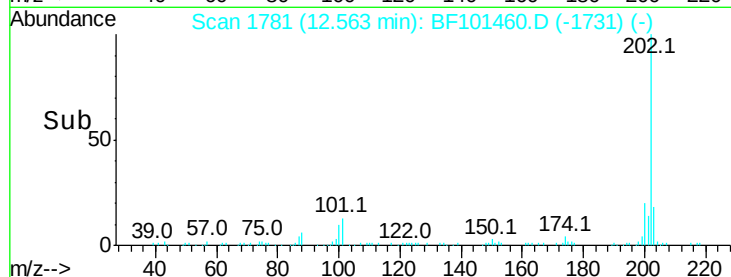
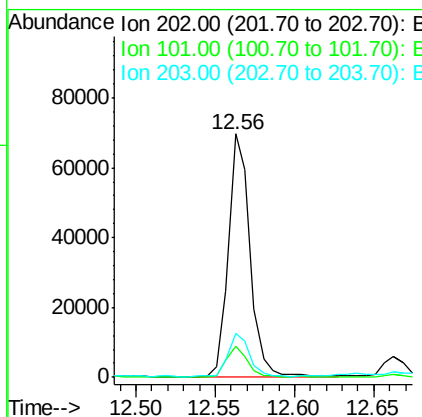
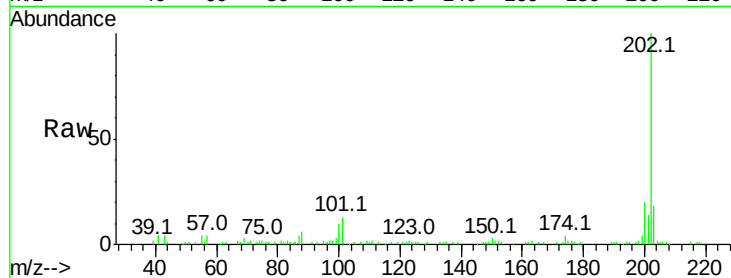




#74
 Fluoranthene
 Concen: 2.437 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

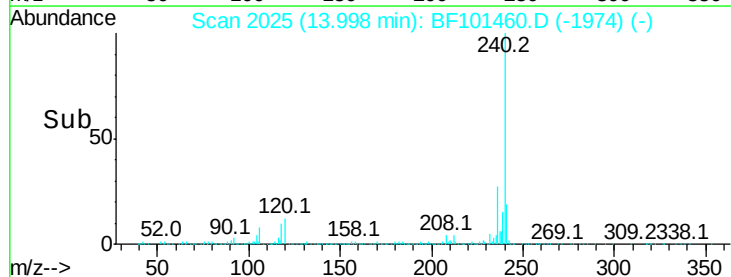
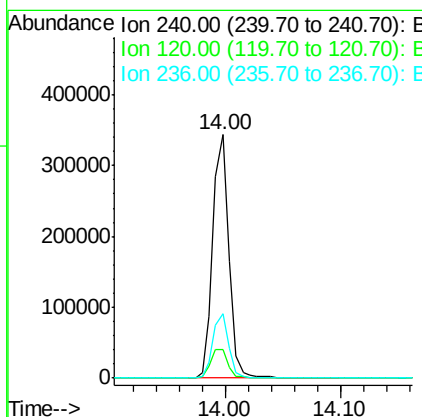
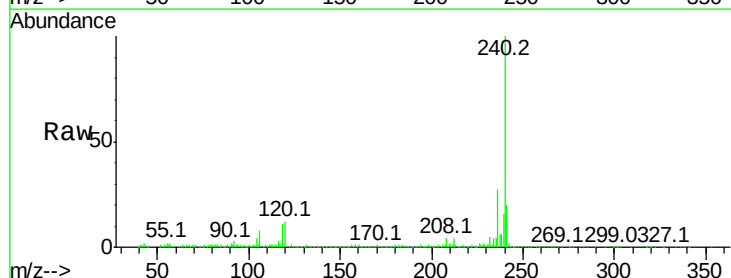
Instrument :
 BNA_F
 ClientSampleId :

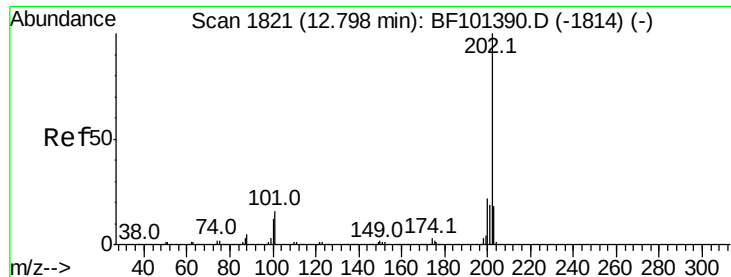
Tot Ion:202 Resp: 66464
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 18.3 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

Tgt Ion:240 Resp: 334307
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 26.7 20.7 31.1





#77

Pvrene

Concen: 2.563 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

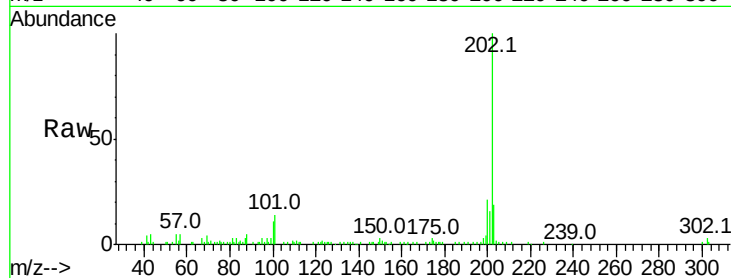
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 64297

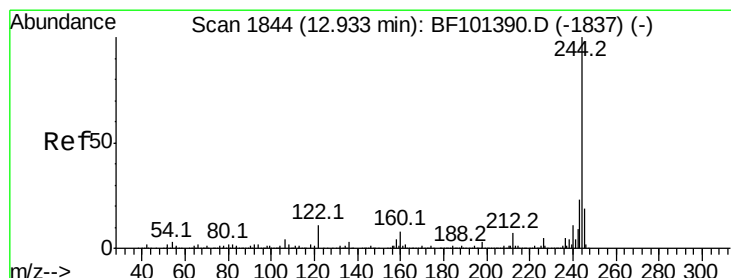
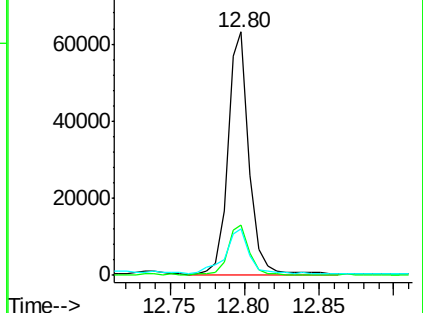
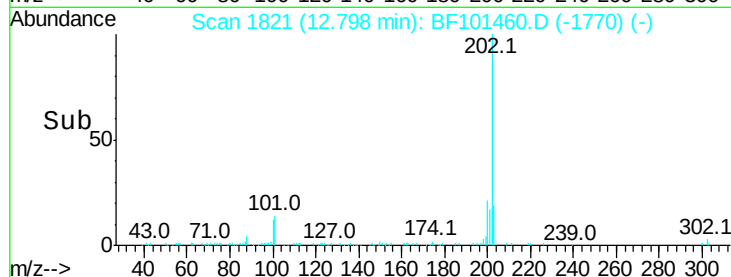
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	19.3	14.3	21.5



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: 64.564 ng

RT: 12.93 min Scan# 1844

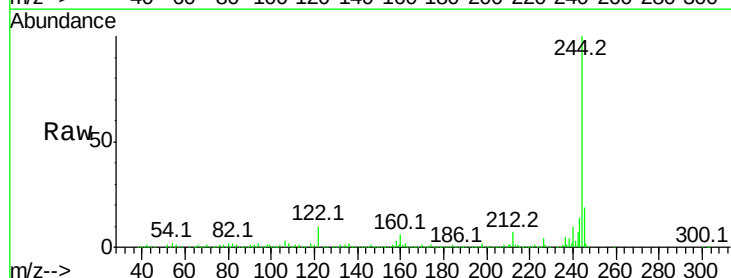
Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Tgt Ion:244 Resp: 895319

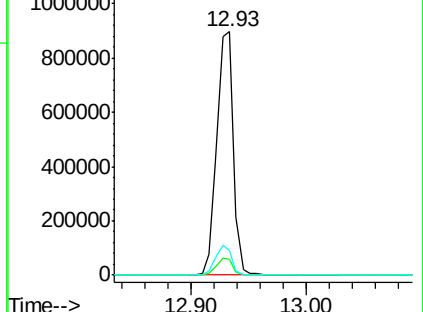
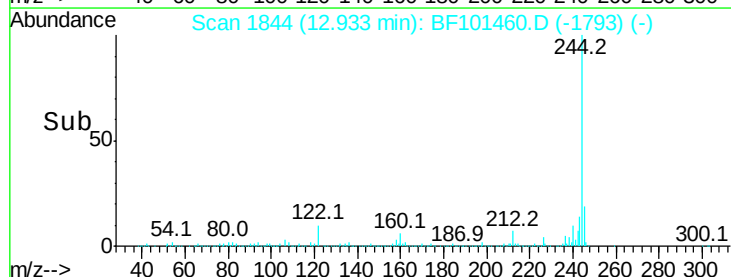
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	11.0	16.4

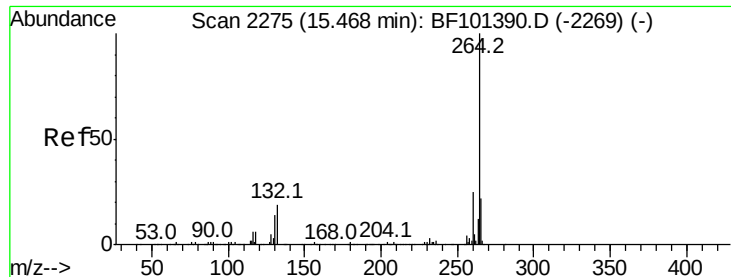


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

Instrument :

BNA_F

ClientSampleId :

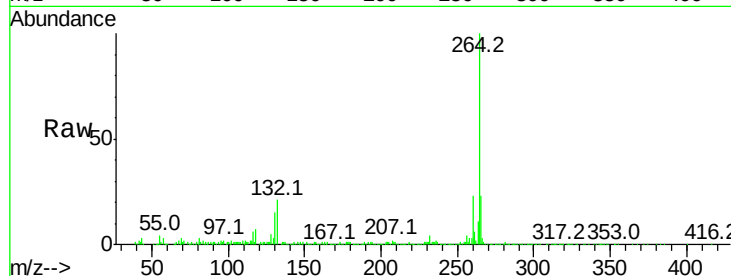
Tot Ion:264 Resp: 301728

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

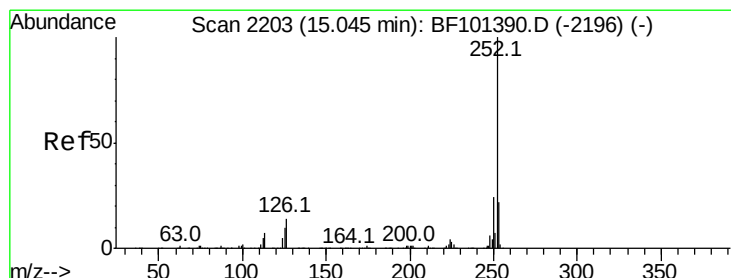
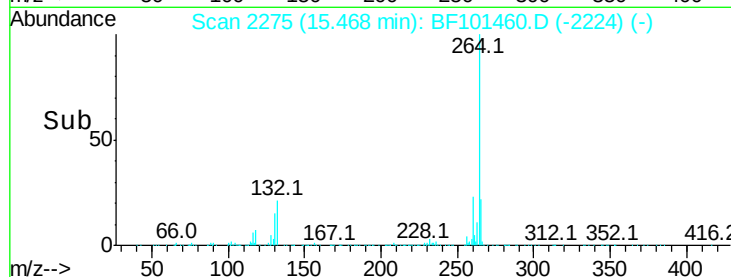
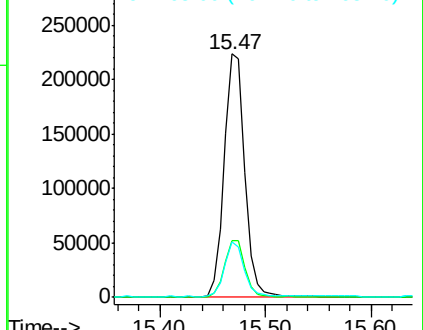
265 22.6 17.5 26.3



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: 3.459 ng

RT: 15.04 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BF101460.D

Acq: 15 Dec 2017 23:02

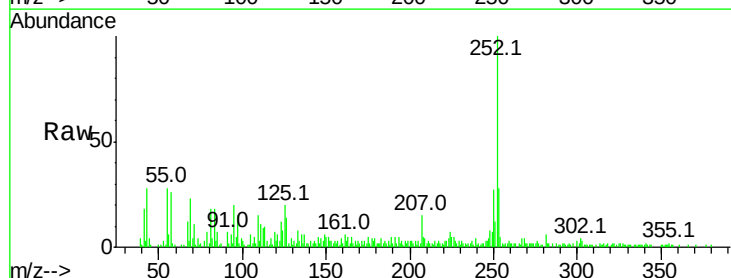
Tgt Ion:252 Resp: 63611

Ion Ratio Lower Upper

252 100

253 27.6 17.0 25.6#

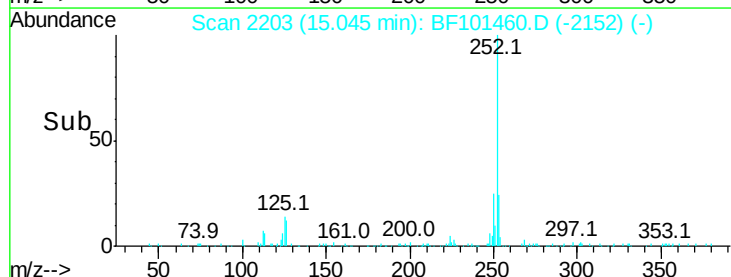
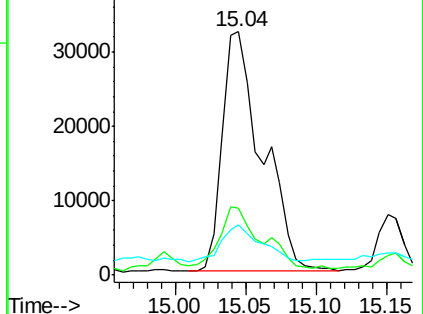
125 20.5 9.0 13.6#

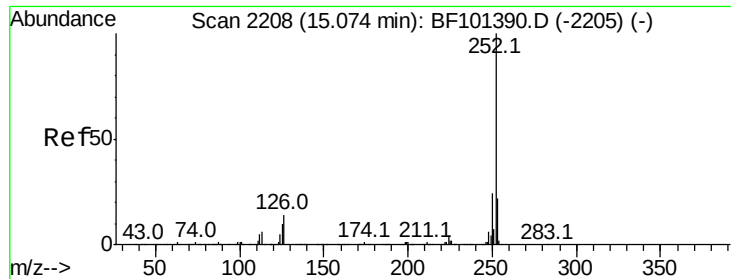


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

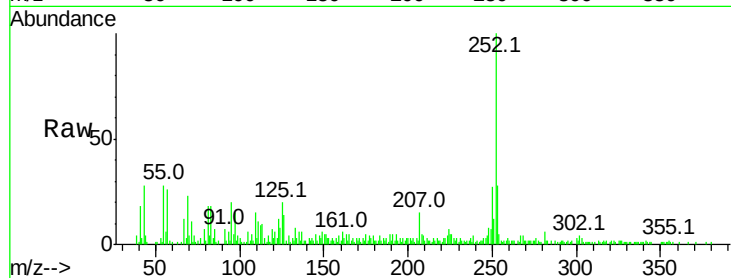




#88
 Benzo(k)fluoranthene
 Concen: 3.557 ng
 RT: 15.04 min Scan# 2203
 Delta R.T. -0.03 min
 Lab File: BF101460.D
 Acq: 15 Dec 2017 23:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.9	26.9#
125	20.5	10.2	15.2#



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

