

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101622.D
 Acq On : 21 Dec 2017 22:08
 Operator : SJ/JU
 Sample : I6920-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 00:54:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	136700	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	515253	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	196031	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	299342	20.00	ng	0.00
75) Chrysene-d12	13.97	240	289438	20.00	ng	0.00
86) Perylene-d12	15.44	264	234538	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	817381	89.07	ng	0.01
7) Phenol-d6	6.44	99	950391	83.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	586703	63.38	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	117983	62.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	672514	53.22	ng	0.00
78) Terphenyl-d14	12.90	244	451051	37.57	ng	0.00

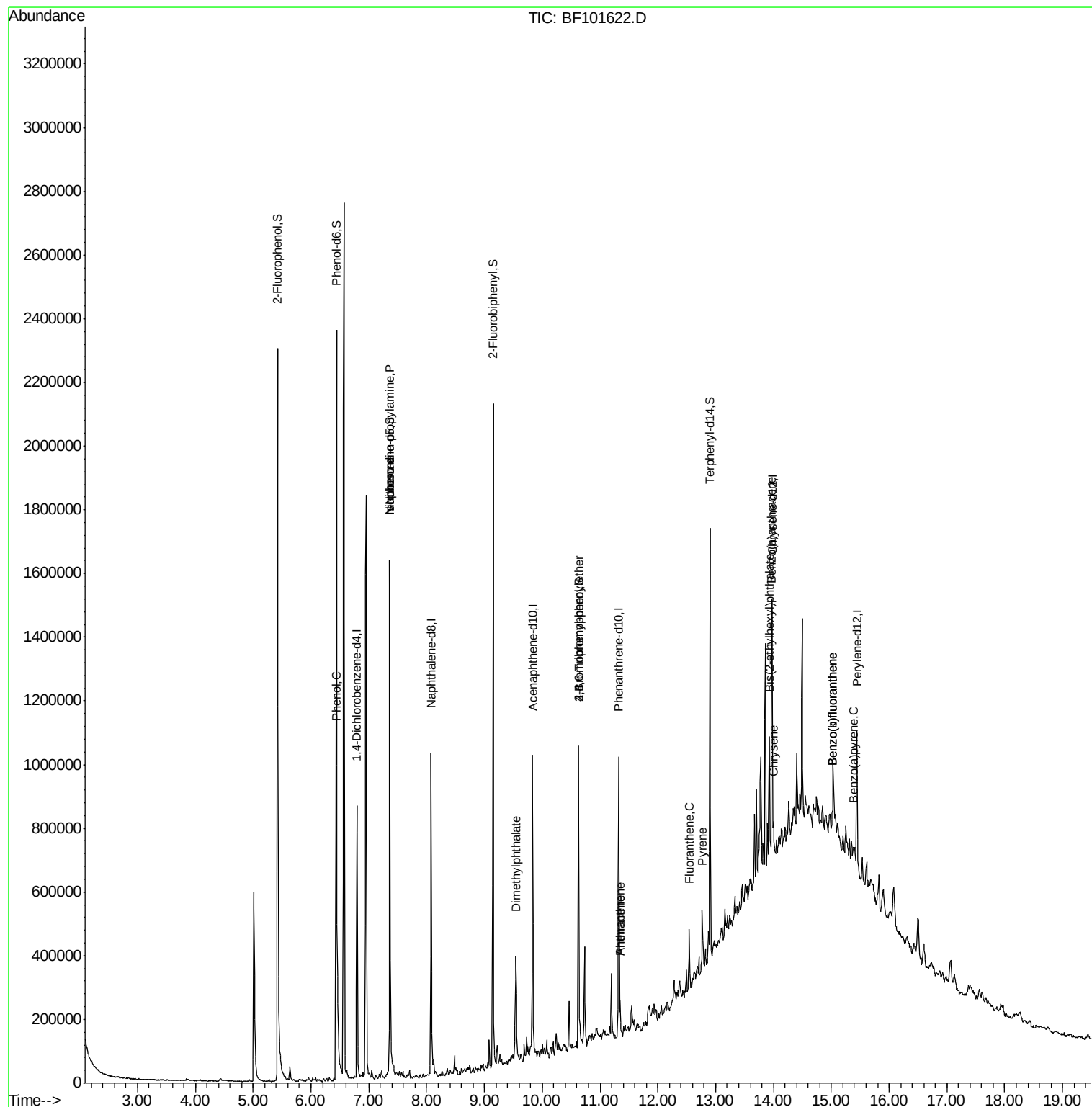
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	44894	3.449	ng	79
19) n-Nitroso-di-n-propylamine	7.36	70	77180	10.290	ng	# 82
25) Isophorone	7.36	82	586703	31.597	ng	# 64
49) Dimethylphthalate	9.55	163	108621	6.889	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	7649	2.274	ng	# 1
70) Phenanthrene	11.35	178	37561	2.256	ng	97
71) Anthracene	11.35	178	37561	2.209	ng	97
74) Fluoranthene	12.54	202	77037	4.409	ng	98
77) Pyrene	12.77	202	79932	3.680	ng	98
80) Benzo(a)anthracene	13.96	228	39214	2.052	ng	# 92
82) Chrysene	14.00	228	54378	3.013	ng	# 91
83) Bis(2-ethylhexyl)phthalate	13.93	149	96385	7.742	ng	100
87) Benzo(b)fluoranthene	15.02	252	56635	3.962	ng	# 75
88) Benzo(k)fluoranthene	15.02	252	56635	4.075	ng	# 77
89) Benzo(a)pyrene	15.38	252	26585	2.017	ng	# 62

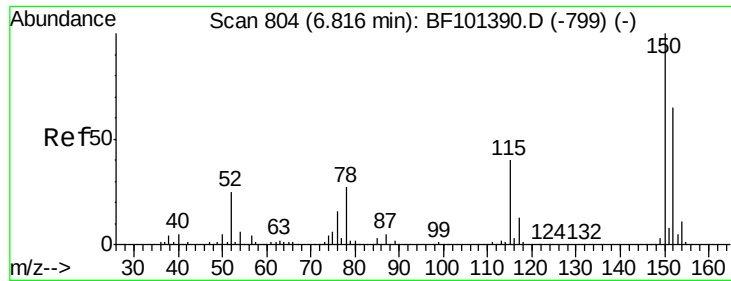
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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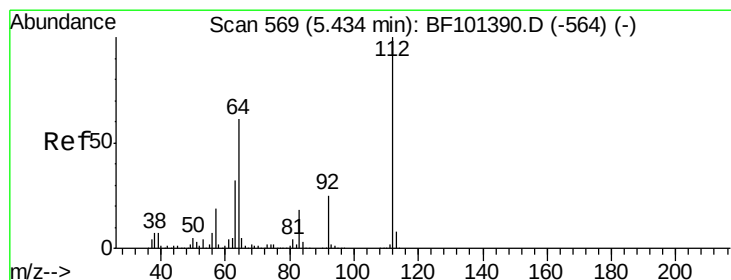
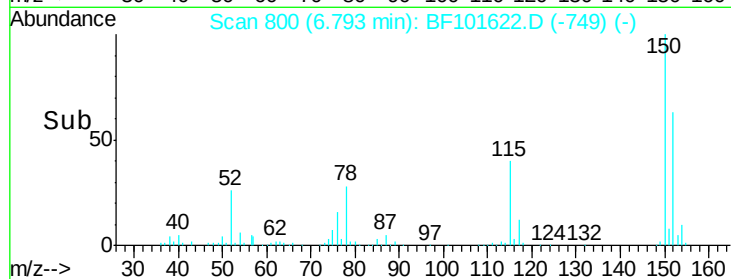
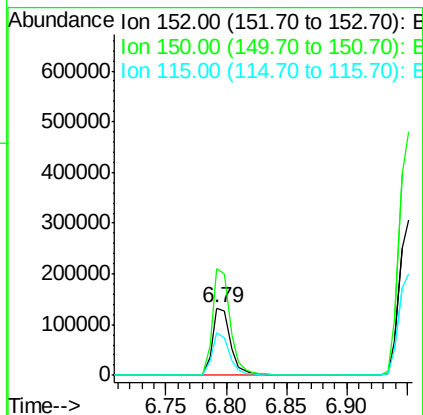
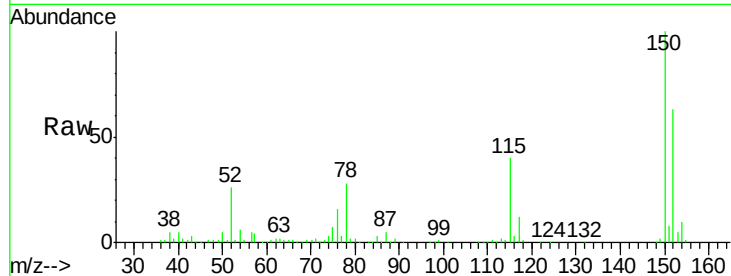


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :

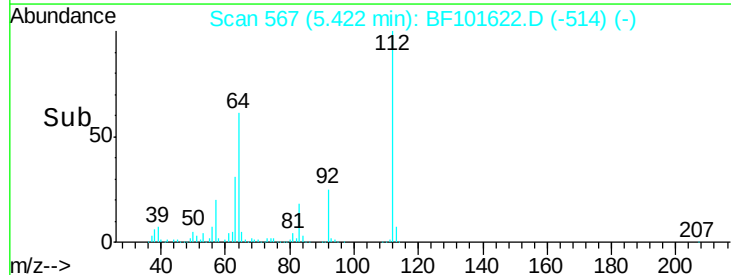
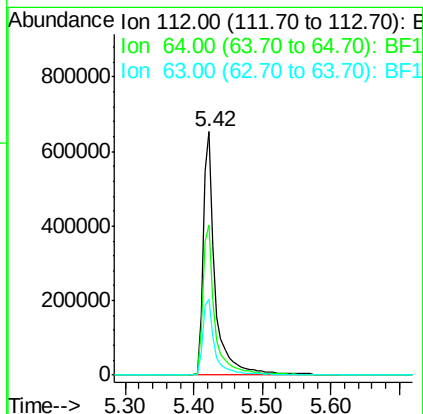
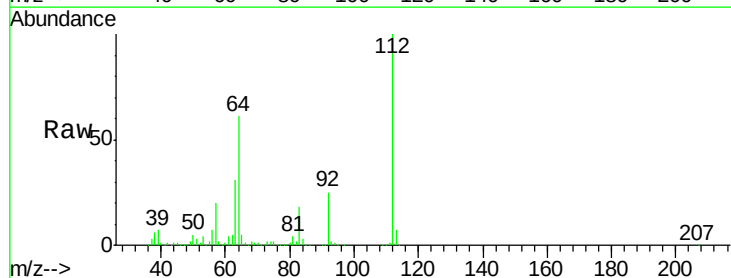
Tot Ion:152 Resp: 136700
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 63.4 50.1 75.1

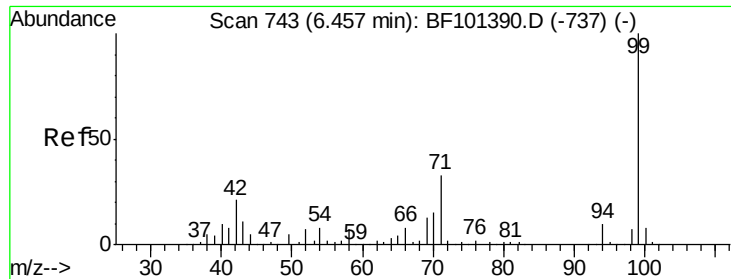


#5

2-Fluorophenol
Concen: 89.068 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion:112 Resp: 817381
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 31.3 23.7 35.5





#7

Phenol-d6

Concen: 83.213 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

ClientSampleId :

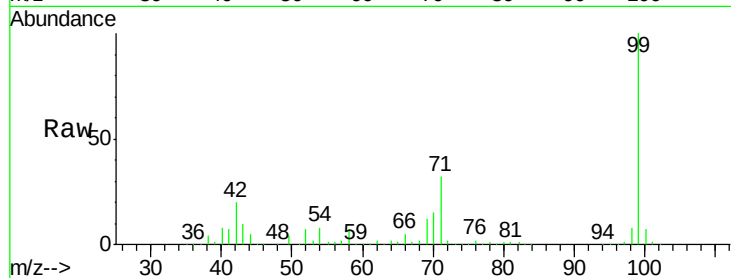
Tot Ion: 99 Resp: 950391

Ion Ratio Lower Upper

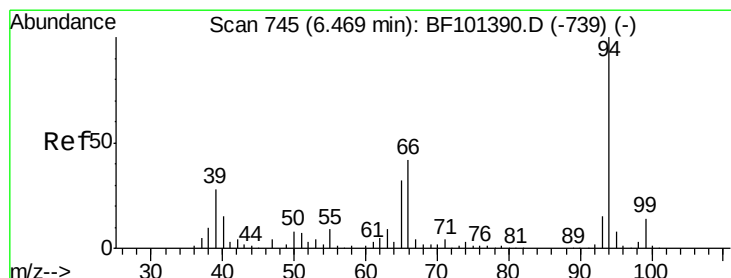
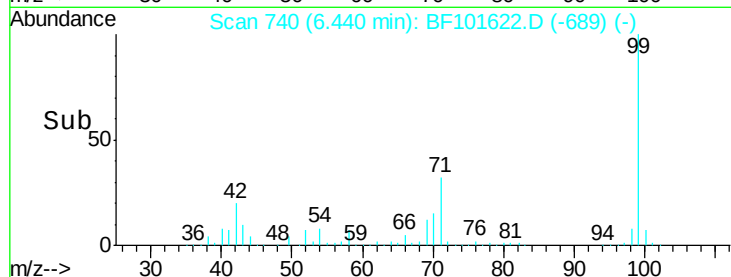
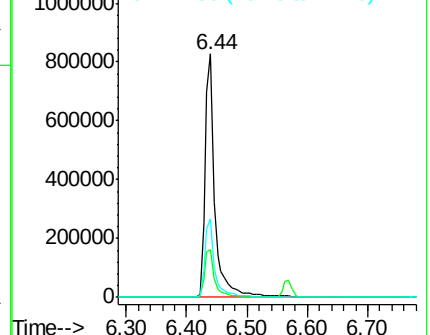
99 100

42 19.8 14.5 21.7

71 32.5 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: 3.449 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

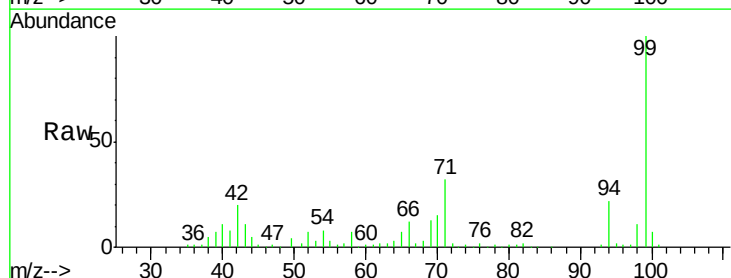
Tgt Ion: 94 Resp: 44894

Ion Ratio Lower Upper

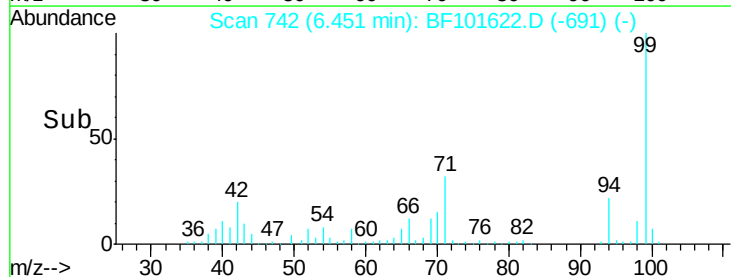
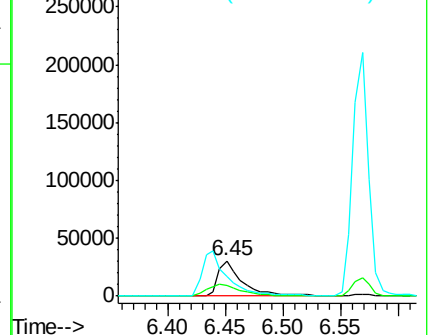
94 100

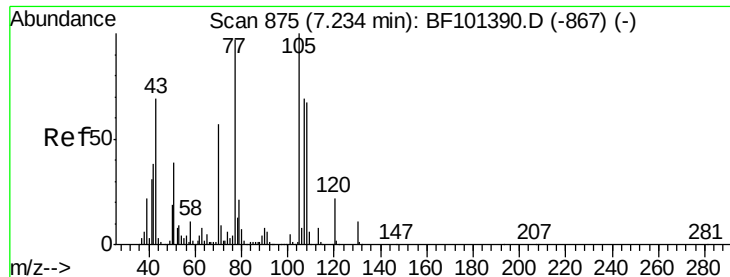
65 31.4 7.9 47.9

66 55.5 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

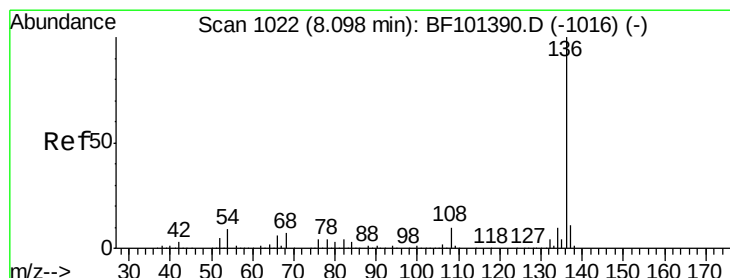
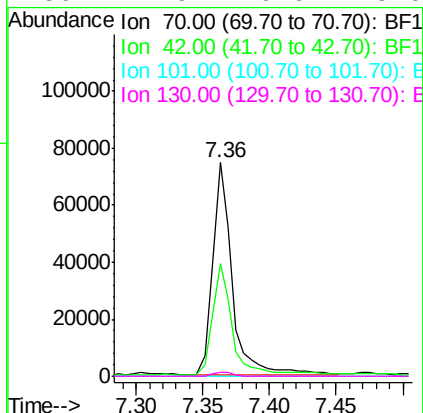
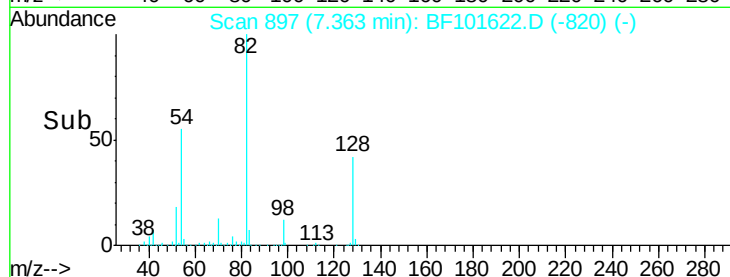
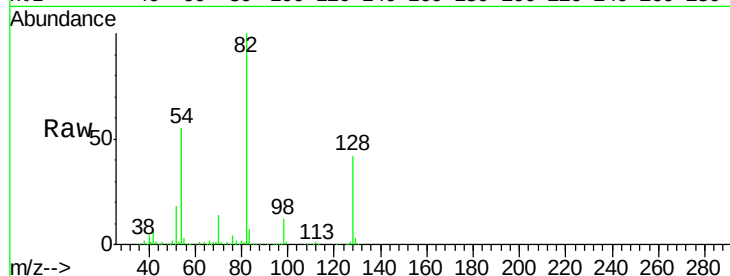




#19
n-Nitroso-di-n-propylamine
Concen: 10.290 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

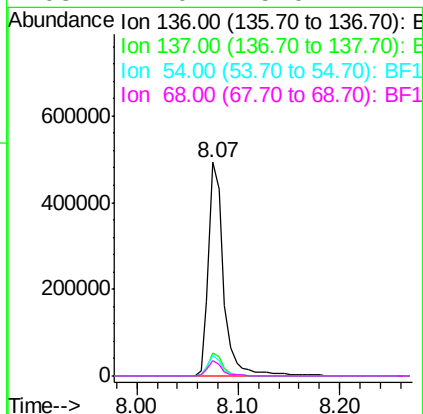
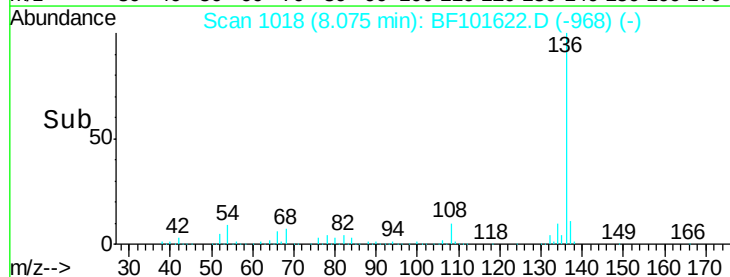
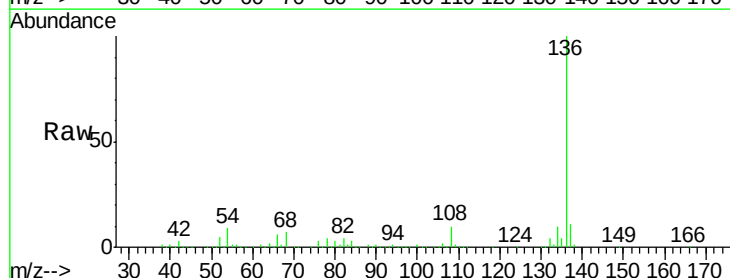
Instrument :
BNA_F
ClientSampleId :

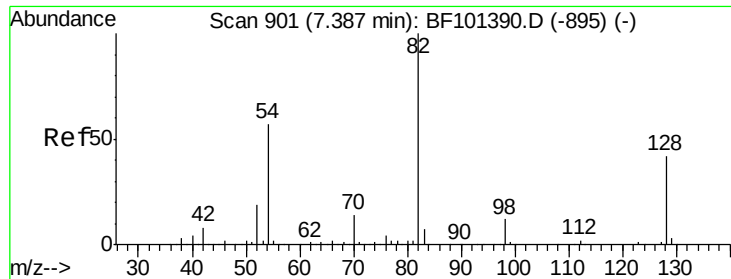
Tot Ion: 70 Resp: 77180
Ion Ratio Lower Upper
70 100
42 52.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion: 136 Resp: 515253
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.5 6.6 9.8
68 7.0 5.0 7.4

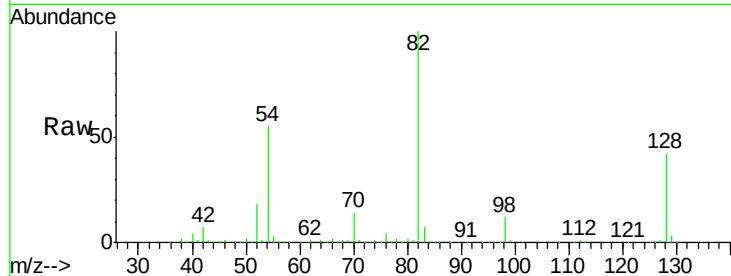




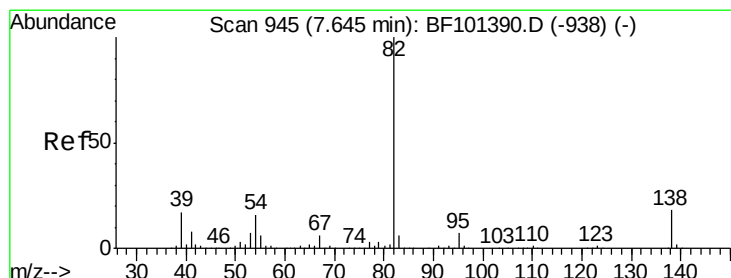
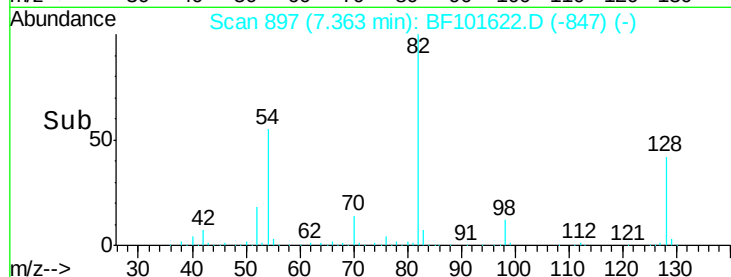
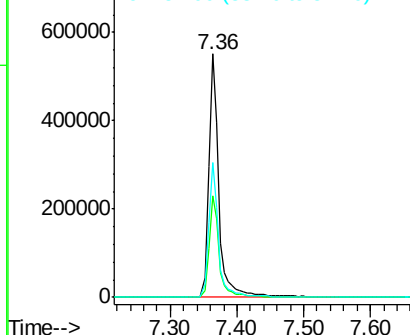
#23
 Nitrobenzene-d5
 Concen: 63.385 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	586703
Ion Ratio	Lower	Upper	
82	100		
128	42.0	36.1	54.1
54	55.4	41.4	62.2

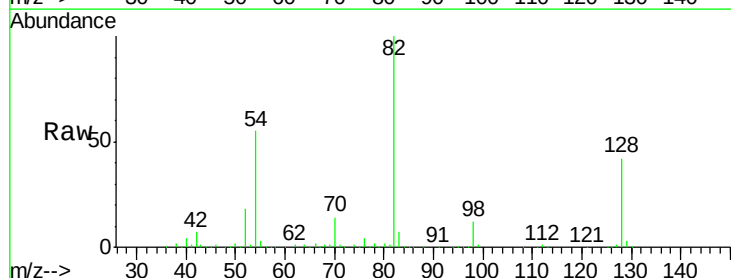


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

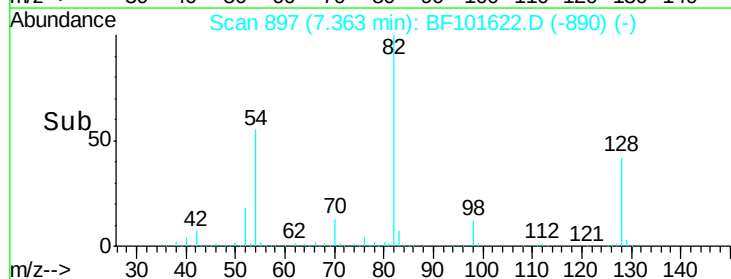
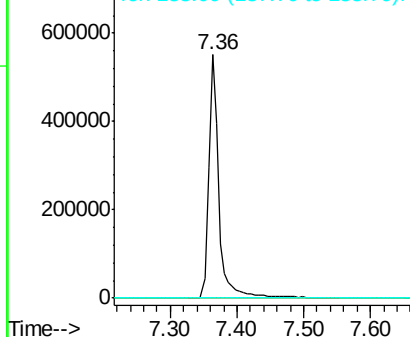


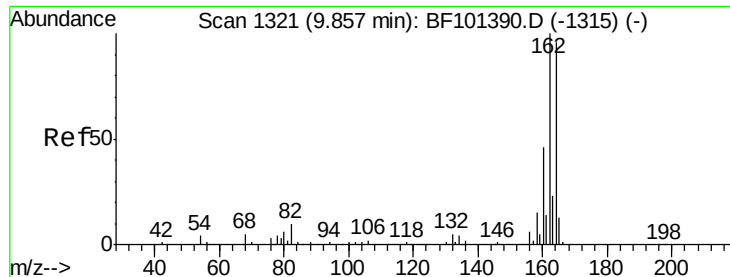
#25
 Isophorone
 Concen: 31.597 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Tgt Ion	82	Resp	586703
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

ClientSampleId :

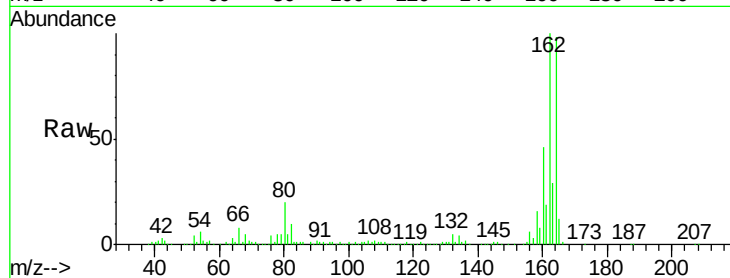
Tot Ion:164 Resp: 196031

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

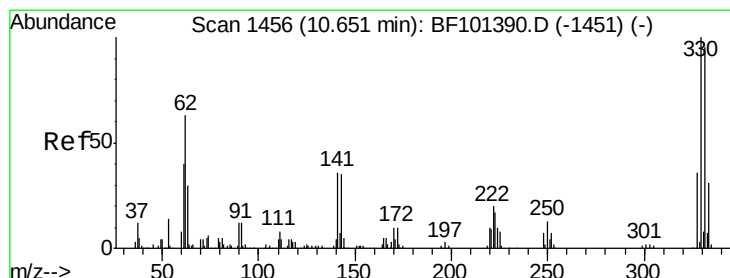
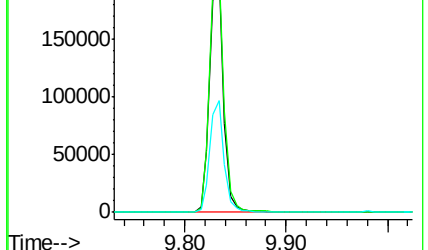
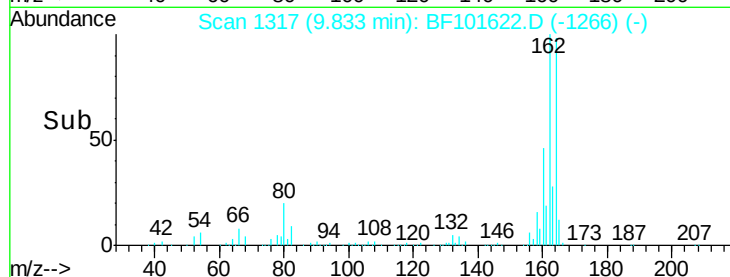
160 46.9 38.3 57.5



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: 62.461 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

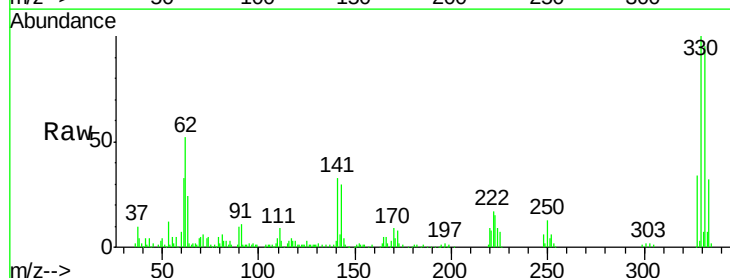
Tgt Ion:330 Resp: 117983

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

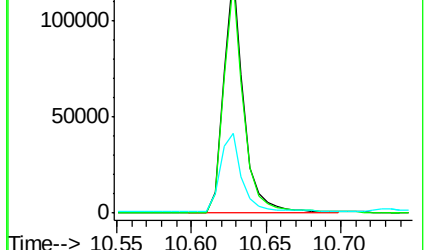
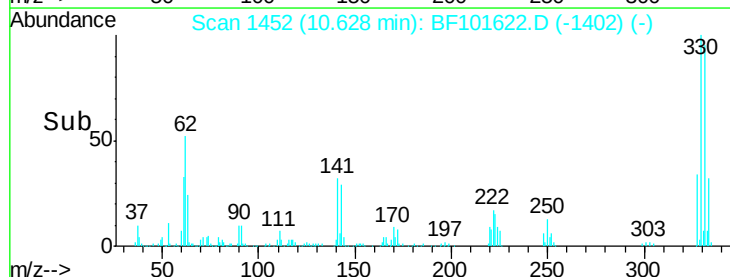
141 36.4 29.9 44.9

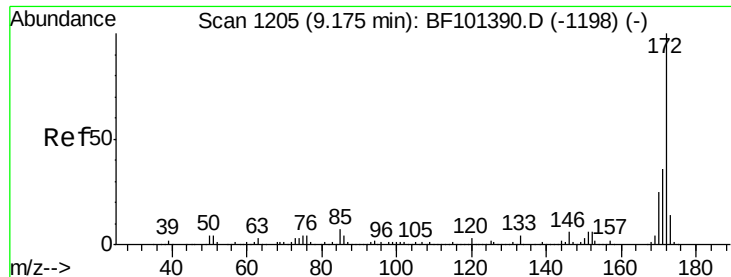


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

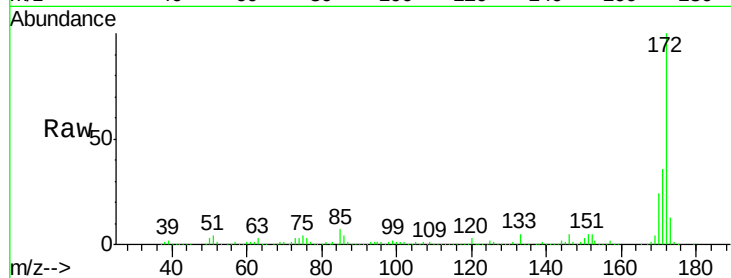




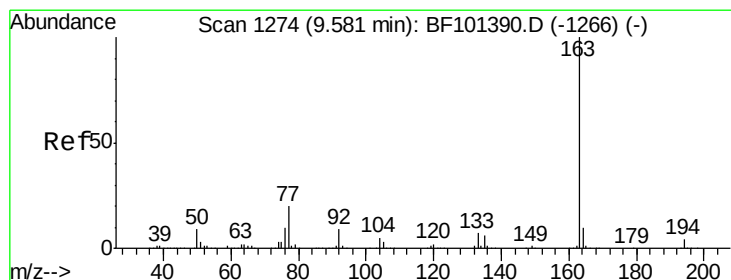
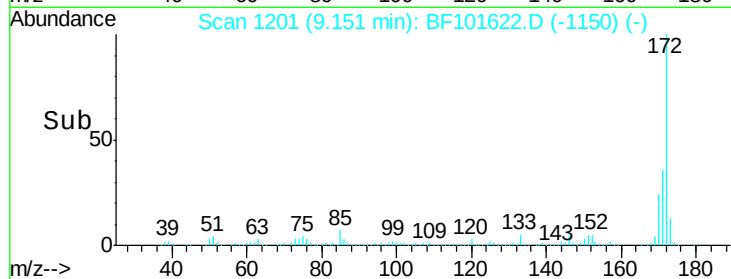
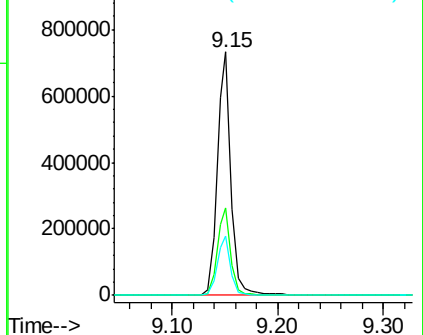
#44
2-Fluorobiphenyl
Concen: 53.218 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 672514
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.4 19.6 29.4

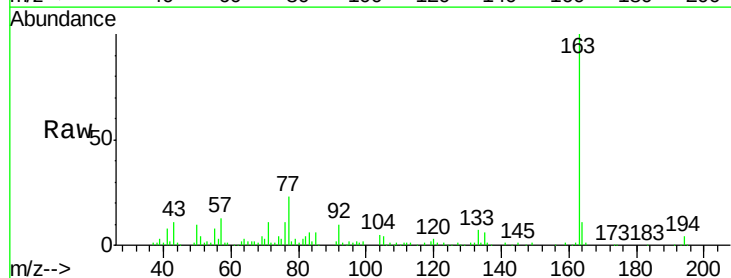


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

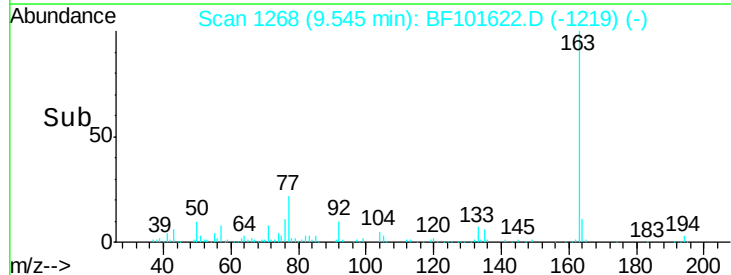
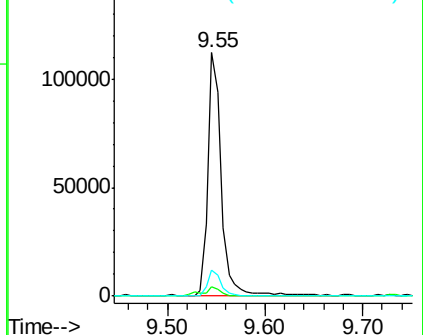


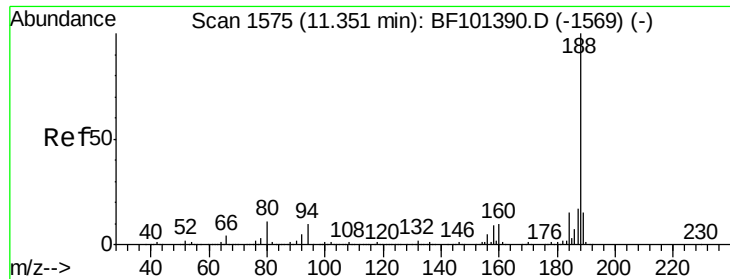
#49
Dimethylphthalate
Concen: 6.889 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion:163 Resp: 108621
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 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

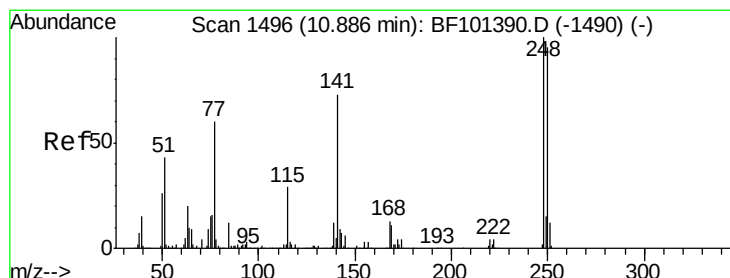
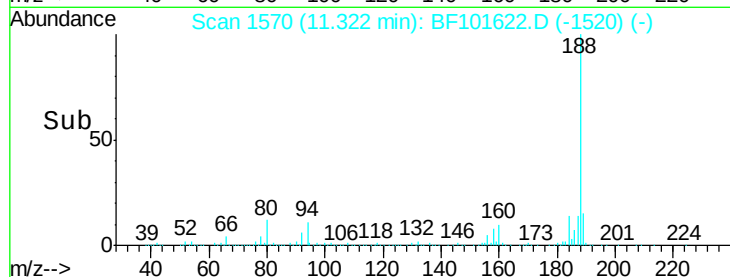
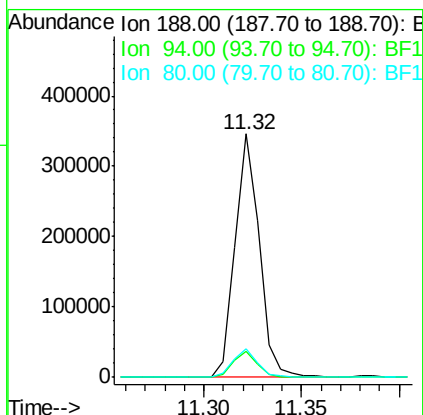
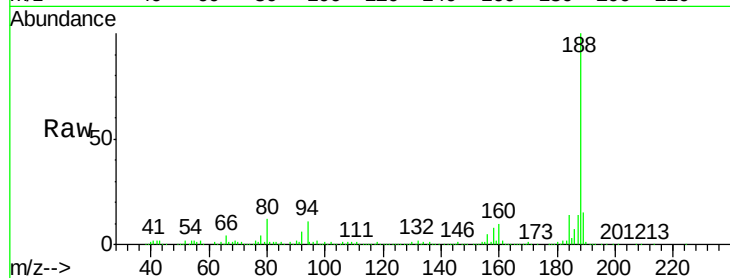




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

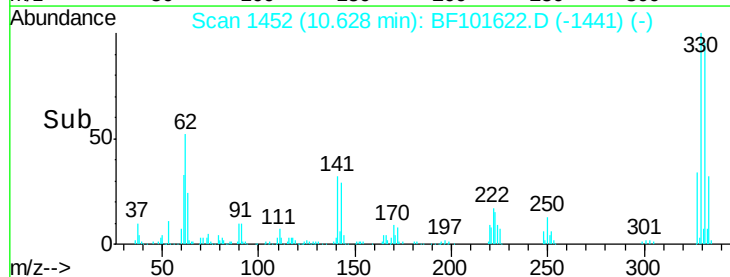
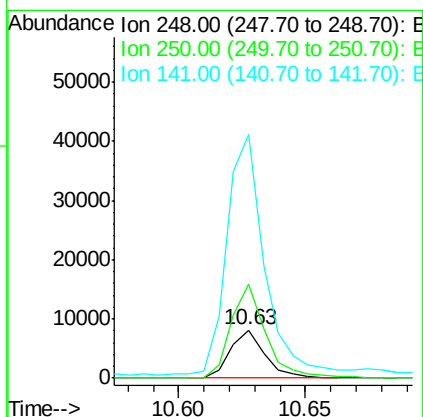
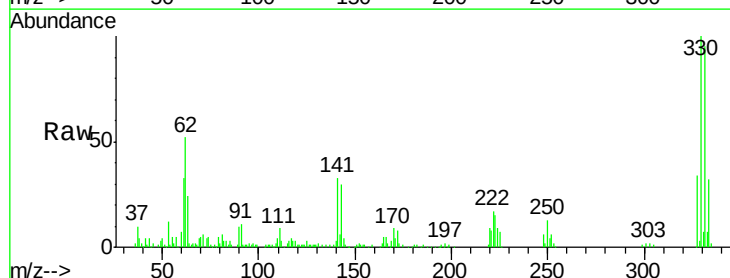
Instrument :
 BNA_F
 ClientSampleId :

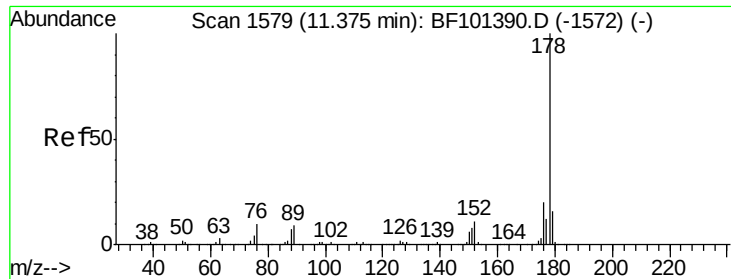
Tot Ion:188 Resp: 299342
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.8 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.274 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Tgt Ion:248 Resp: 7649
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 503.5 74.4 111.6#





#70

Phenanthrene

Concen: 2.256 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

ClientSampleId :

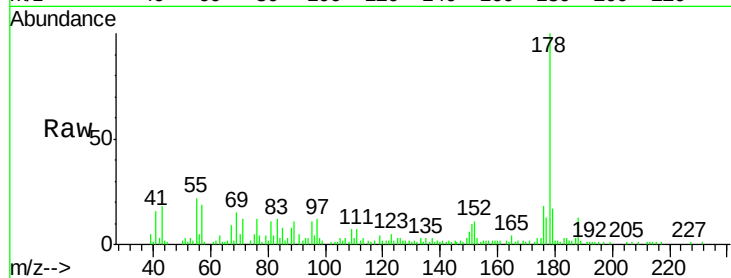
Tot Ion:178 Resp: 37561

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

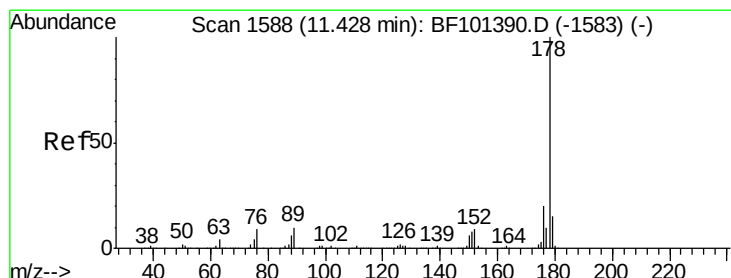
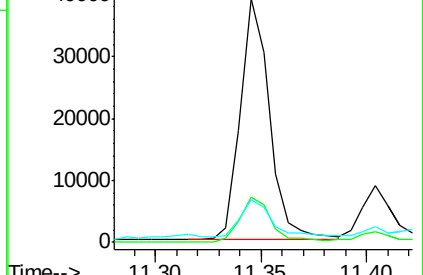
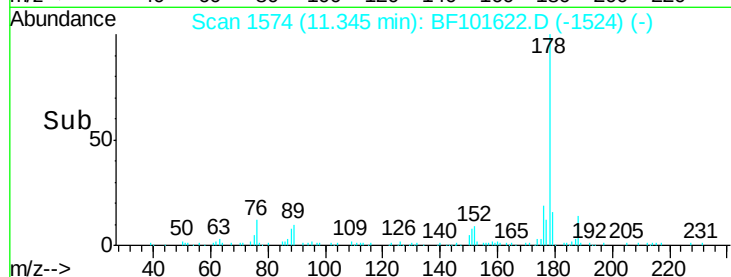
179 17.3 13.0 19.6



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: 2.209 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.06 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

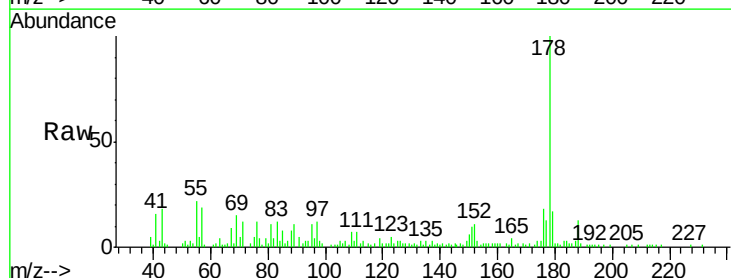
Tgt Ion:178 Resp: 37561

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

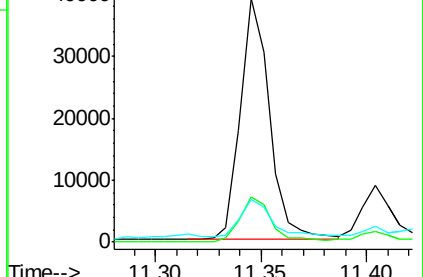
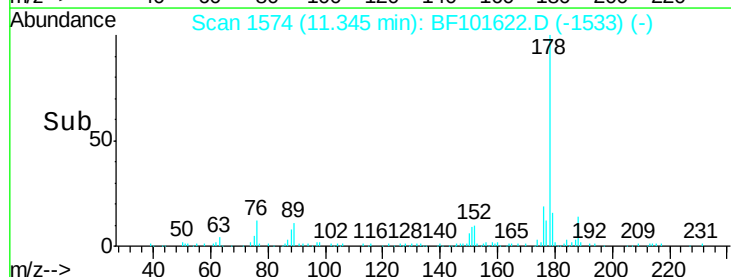
179 17.3 12.6 19.0

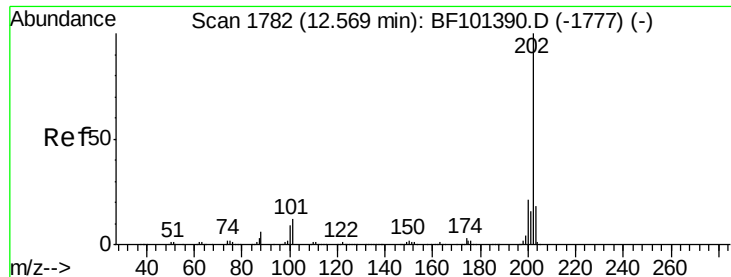


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

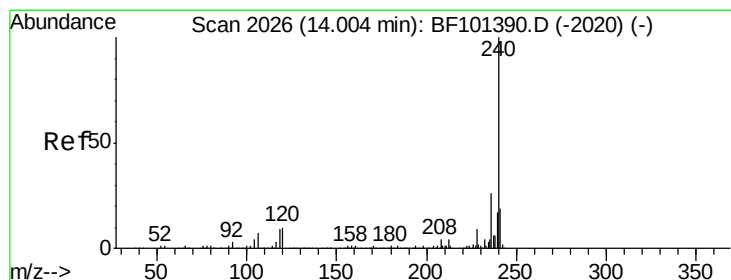
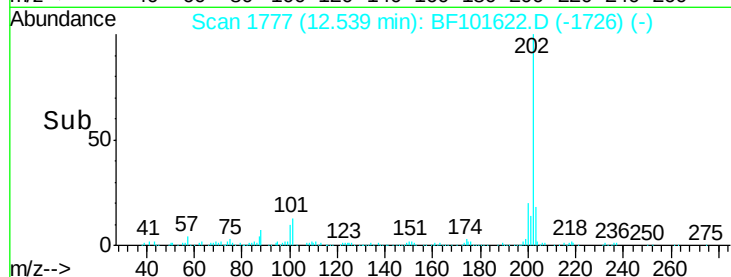
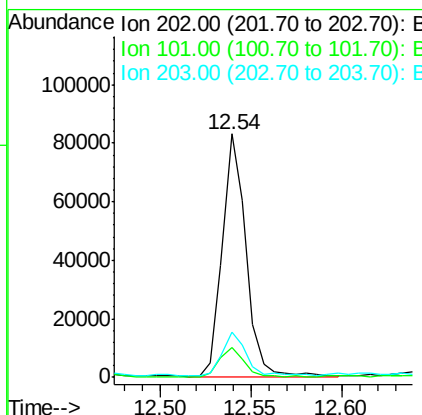
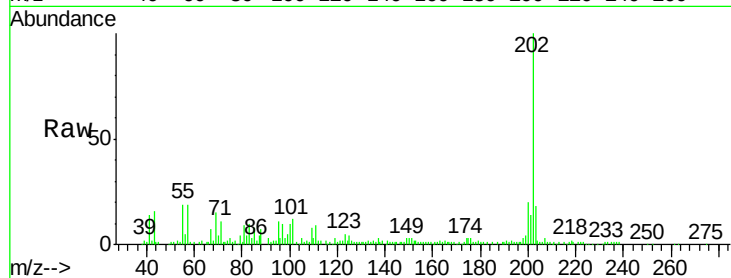




#74
 Fluoranthene
 Concen: 4.409 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

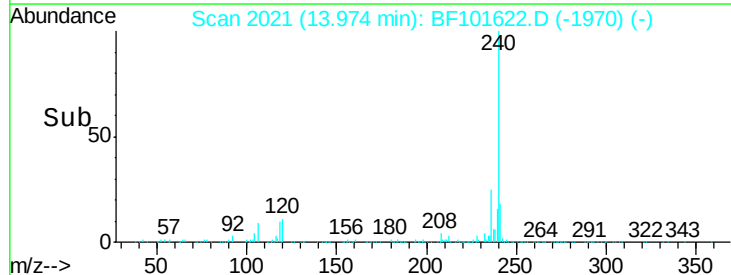
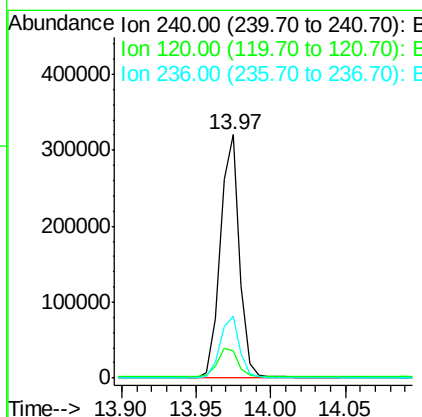
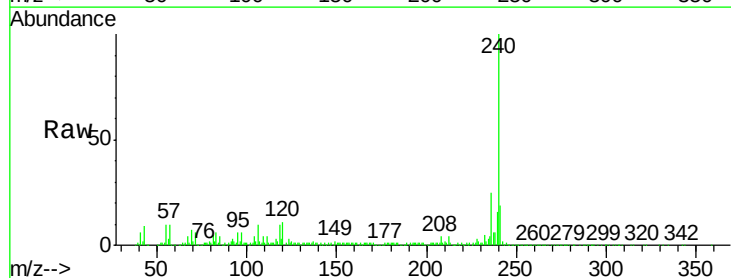
Instrument :
 BNA_F
 ClientSampled :

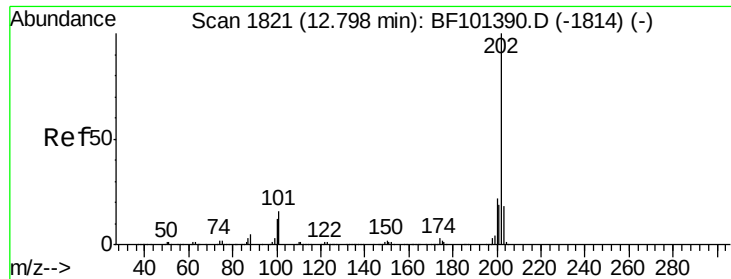
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.3	20.7	31.1

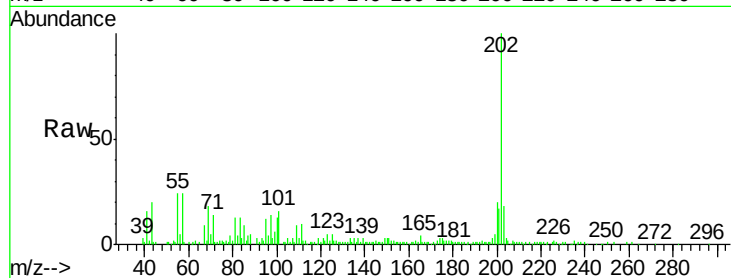




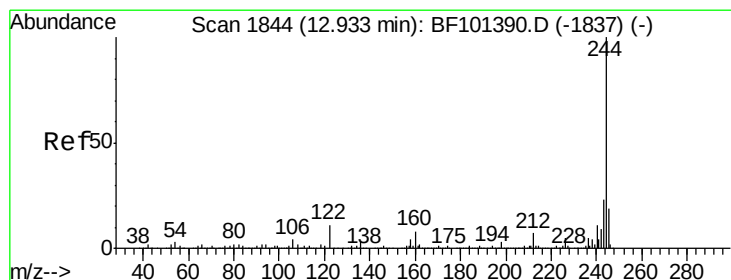
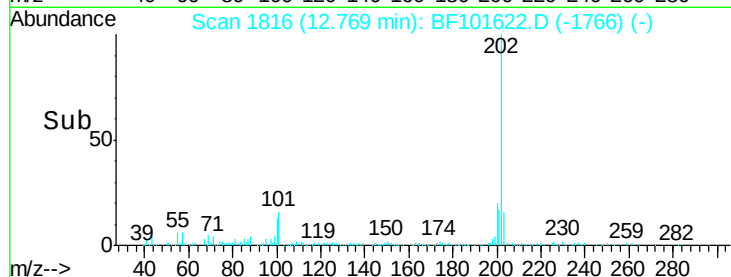
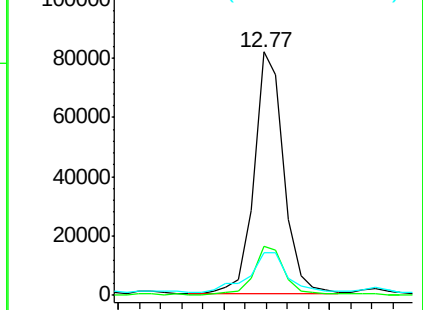
#77
Pvrene
Concen: 3.680 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 79932
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.7 14.3 21.5

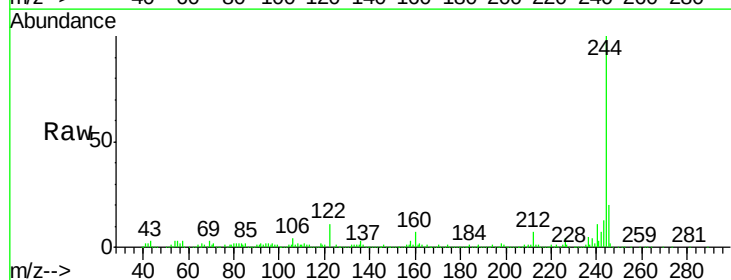


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

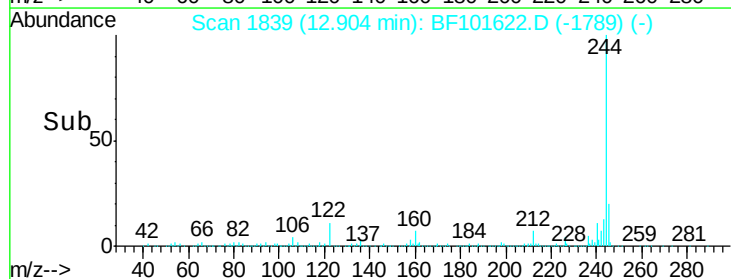
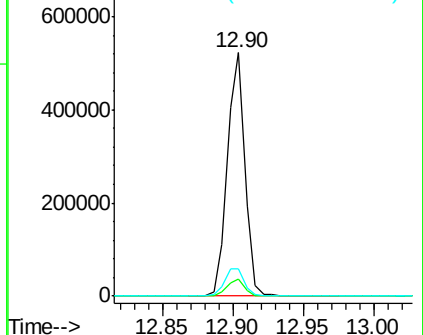


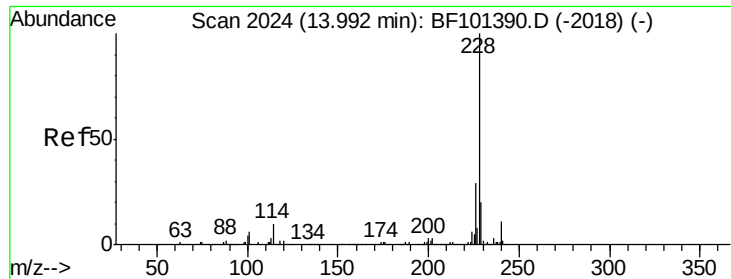
#78
Terphenyl-d14
Concen: 37.569 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion:244 Resp: 451051
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.2 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

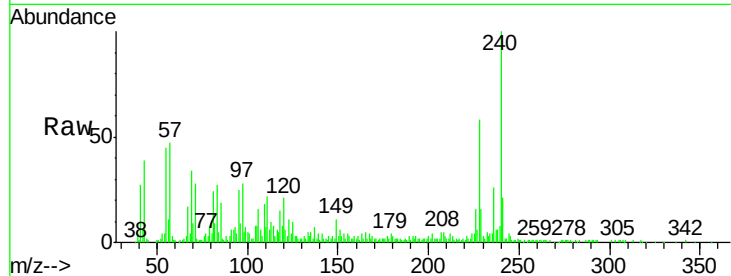




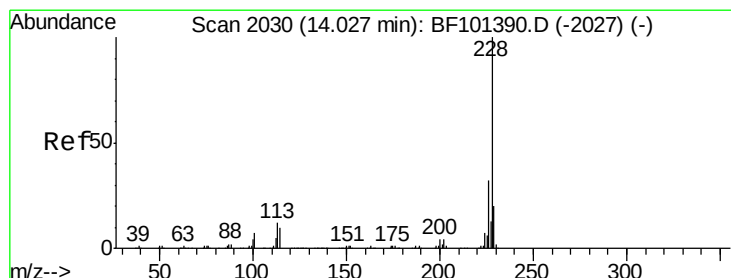
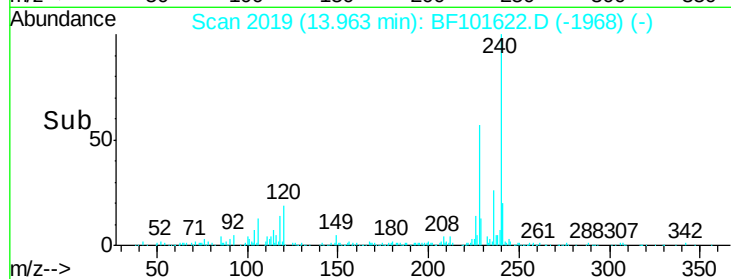
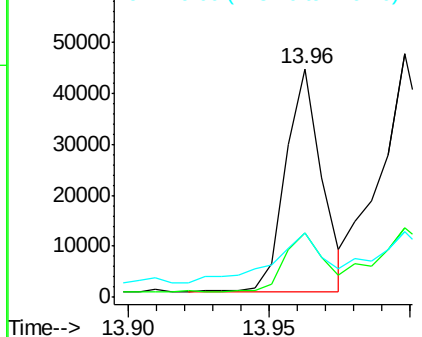
#80
Benzo(a)anthracene
Concen: 2.052 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 39214
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 28.2 15.8 23.6#

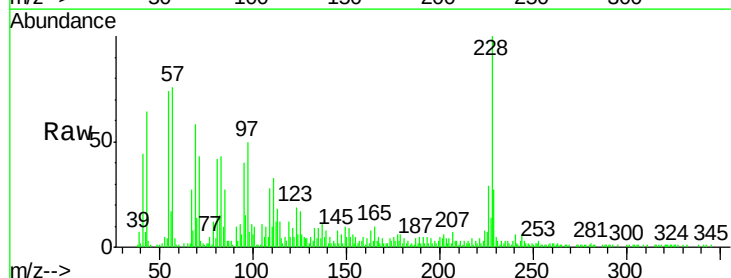


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

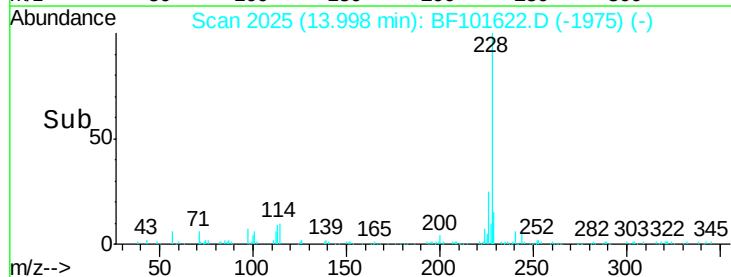
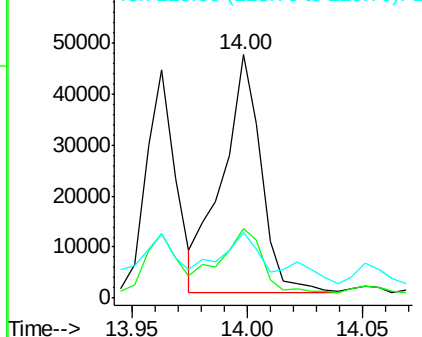


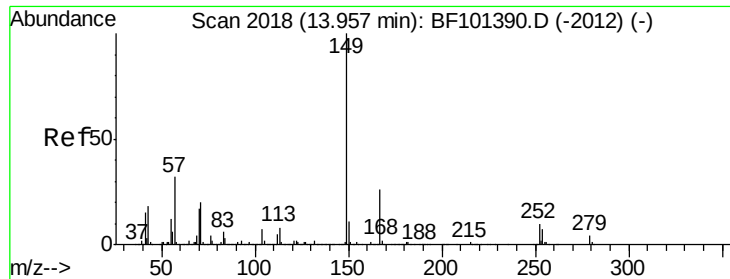
#82
Chrysene
Concen: 3.013 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion:228 Resp: 54378
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 27.1 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

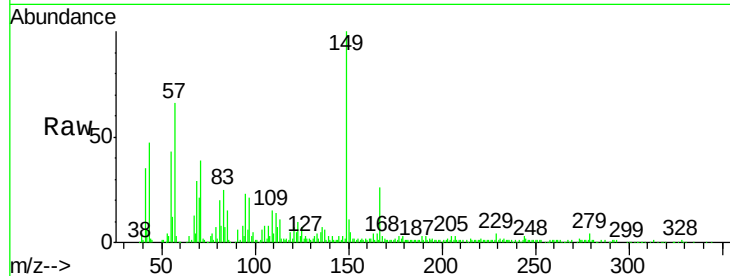




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.742 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	149	Resp	96385
Ion Ratio	100	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	3.6	3.0	4.4

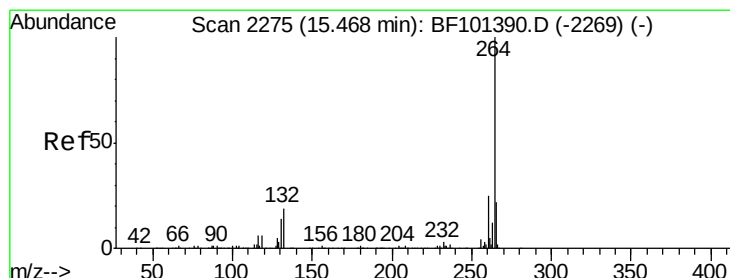
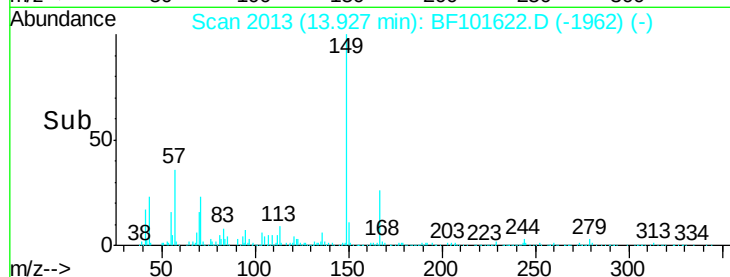
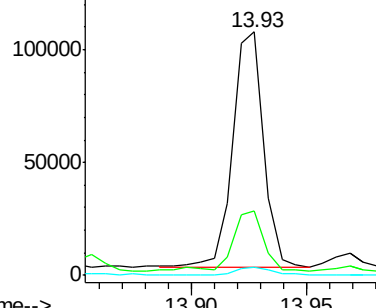


Abundance

Ion 149.00 (148.70 to 149.70): E

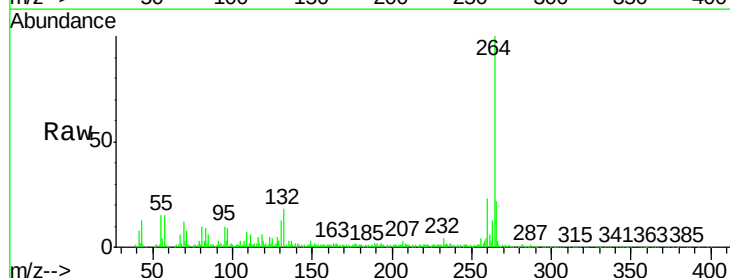
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Tgt Ion	264	Resp	234538
Ion Ratio	100	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	17.5	26.3

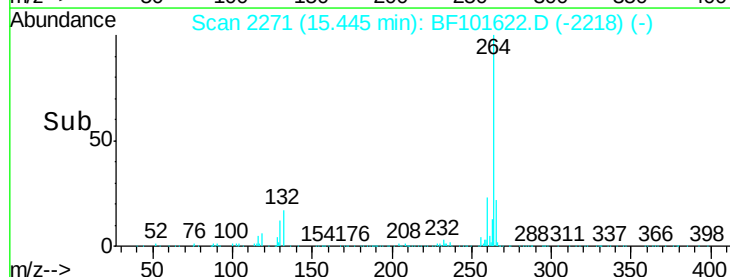
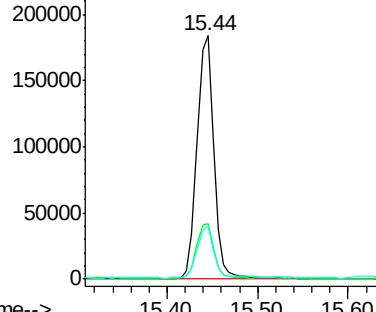


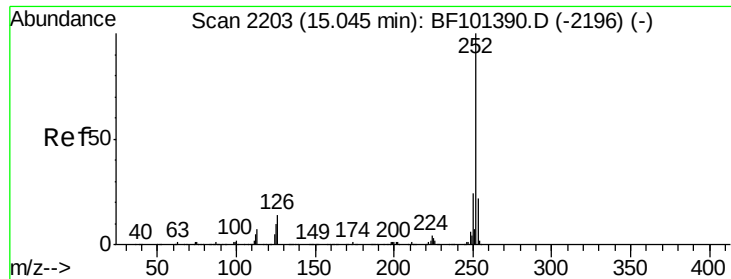
Abundance

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

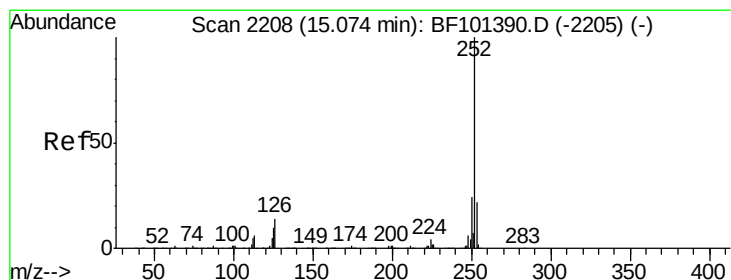
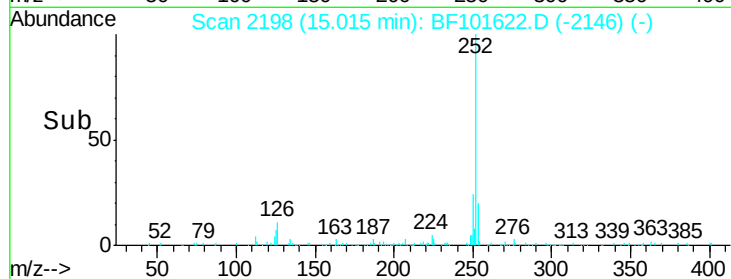
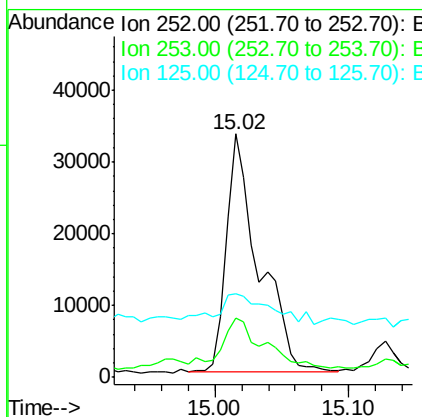
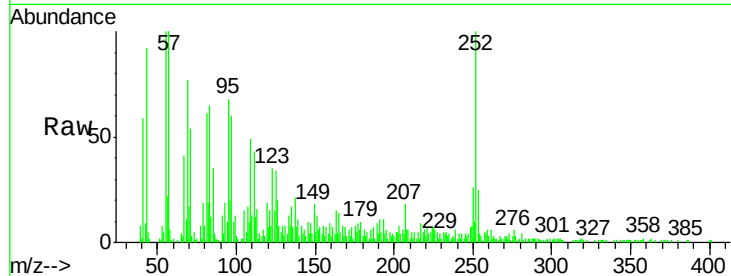




#87
Benzo(b)fluoranthene
Concen: 3.962 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

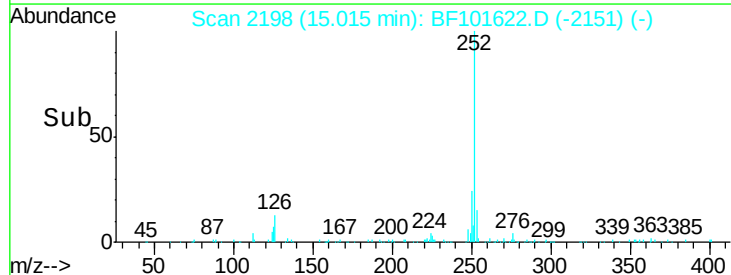
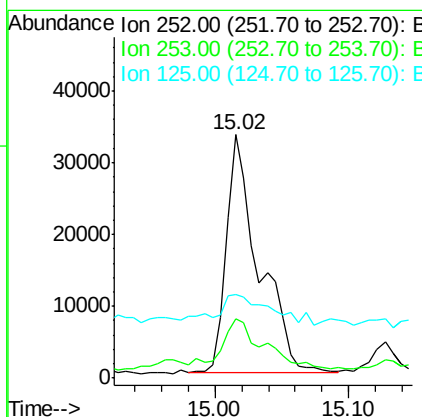
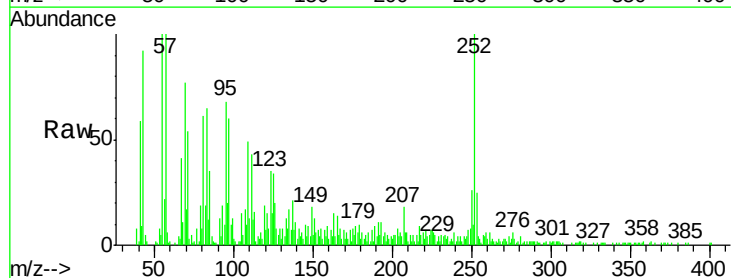
Instrument :
BNA_F
ClientSampleId :

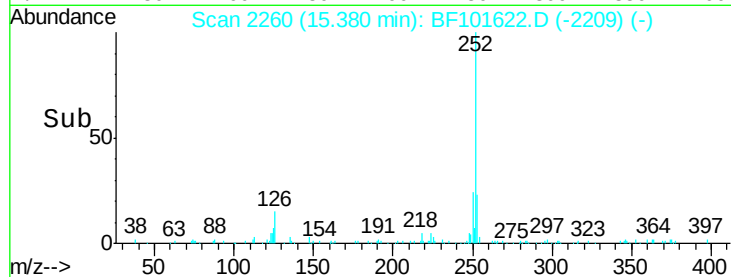
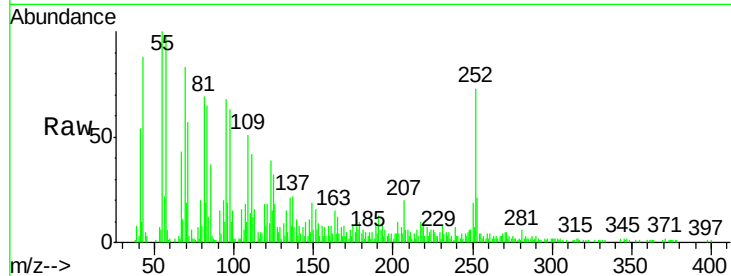
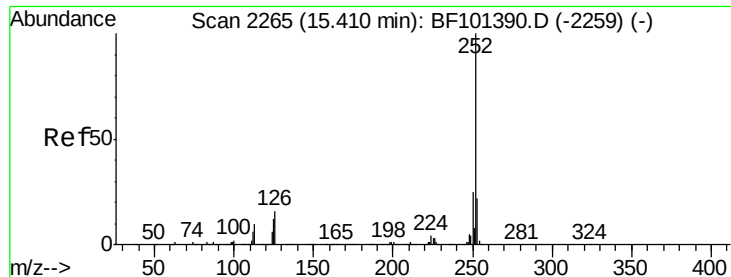
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	34.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 4.075 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	34.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.017 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 26585

Ion Ratio Lower Upper

252 100

253 28.4 17.1 25.7#

125 43.1 9.8 14.6#

