

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101095.D
 Acq On : 4 Dec 2017 14:02
 Operator : SJ/JU
 Sample : I6620-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 14:52:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52600	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	203059	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	93186	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	155384	20.00	ng	0.00
75) Chrysene-d12	14.02	240	124157	20.00	ng	0.00
86) Perylene-d12	15.49	264	114723	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	221687	69.64	ng	0.00
7) Phenol-d6	6.48	99	314483	81.37	ng	0.00
23) Nitrobenzene-d5	7.41	82	194875	57.25	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	47431	42.37	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	422703	62.06	ng	0.00
78) Terphenyl-d14	12.96	244	315054	55.50	ng	0.00

Target Compounds

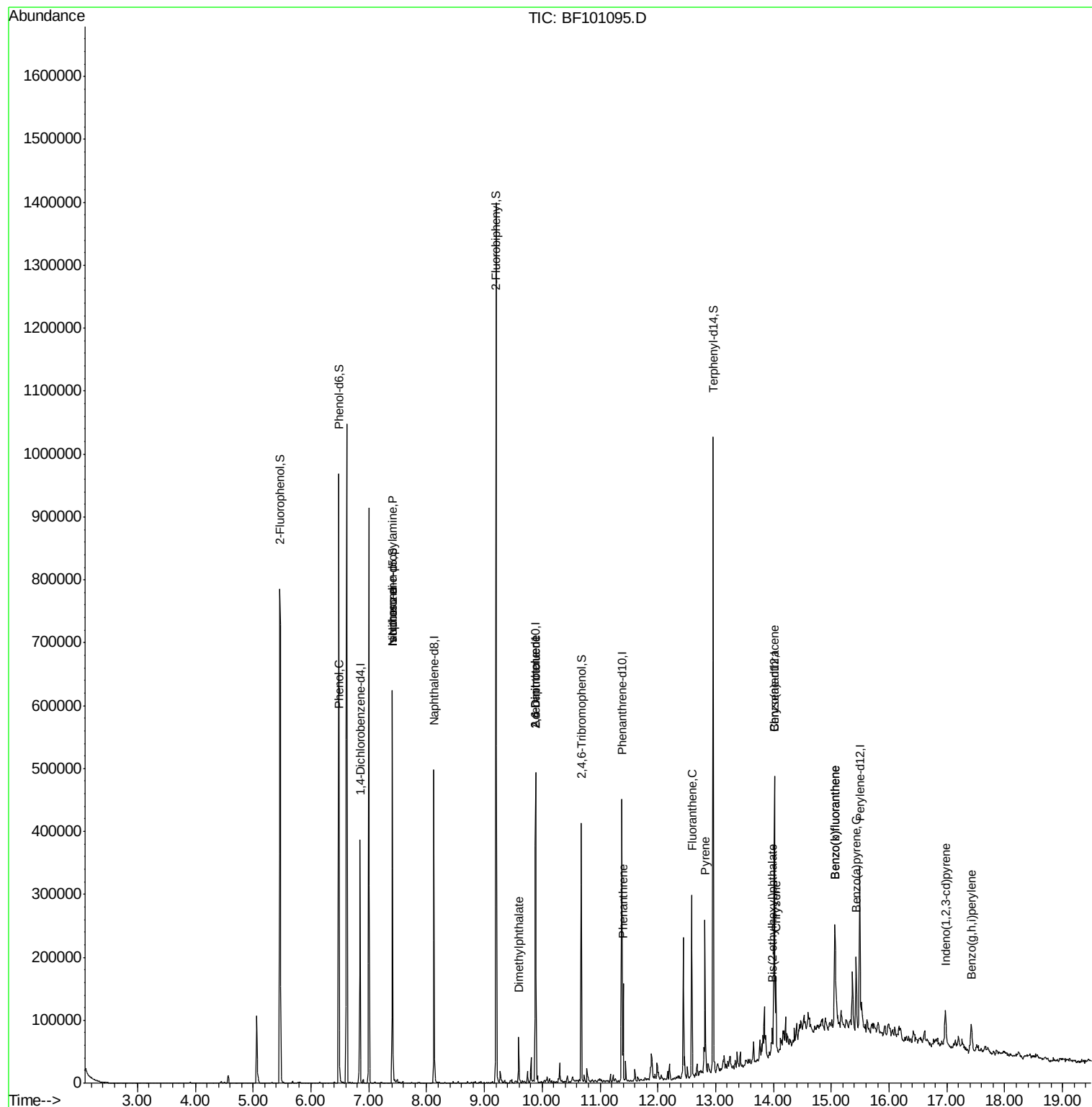
						Qvalue
10) Phenol	6.49	94	10039	2.34	ng	96
19) n-Nitroso-di-n-propylamine	7.41	70	25869	9.94	ng	# 83
25) Isophorone	7.41	82	194873	33.52	ng	# 64
49) Dimethylphthalate	9.59	163	28443	3.78	ng	98
50) 2,6-Dinitrotoluene	9.89	165	11554	7.30	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	11554	5.45	ng	# 21
70) Phenanthrene	11.40	178	56502	6.60	ng	99
74) Fluoranthene	12.59	202	109581	11.55	ng	95
77) Pyrene	12.82	202	97299	11.36	ng	97
80) Benzo(a)anthracene	14.01	228	52397	6.68	ng	94
82) Chrysene	14.05	228	52117	7.16	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	19043	3.54	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.97	276	35195	5.44	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	110872	16.13	ng	99
88) Benzo(k)fluoranthene	15.06	252	110872	16.38	ng	99
89) Benzo(a)pyrene	15.43	252	53830	8.62	ng	95
91) Benzo(a,h,i)perylene	17.42	276	35611	6.86	ng	# 92

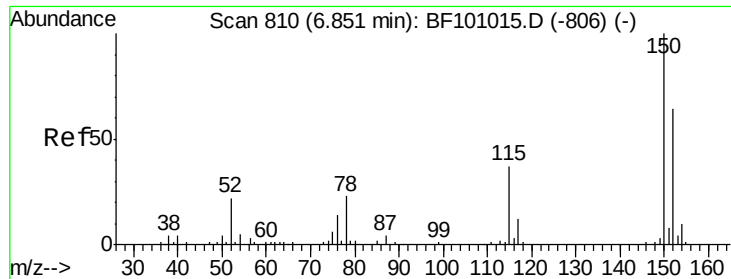
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

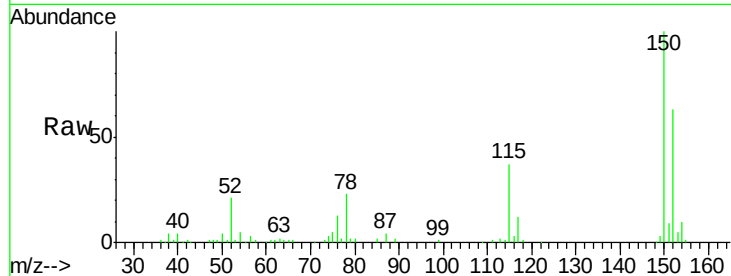
Tot Ion:152 Resp: 52600

Ion Ratio Lower Upper

152 100

150 157.7 124.6 186.8

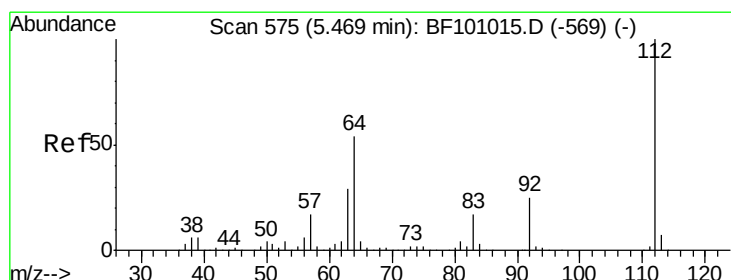
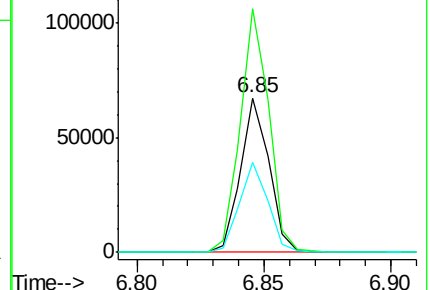
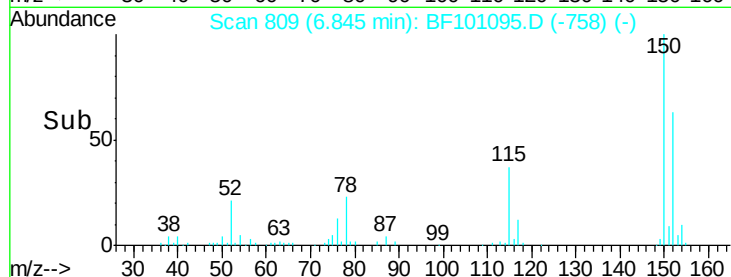
115 58.2 50.1 75.1



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: 69.64 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

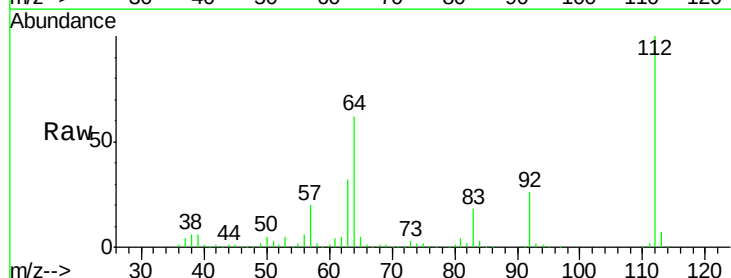
Tgt Ion:112 Resp: 221687

Ion Ratio Lower Upper

112 100

64 62.1 47.9 71.9

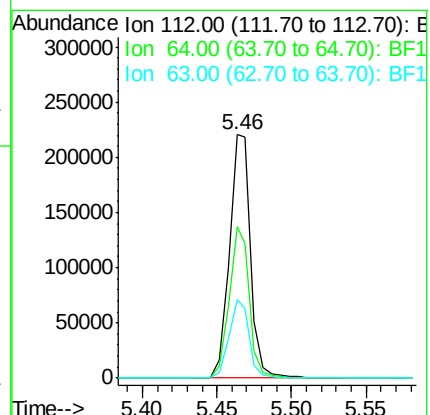
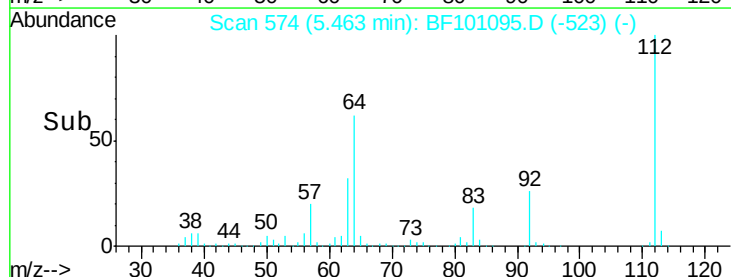
63 32.0 23.7 35.5

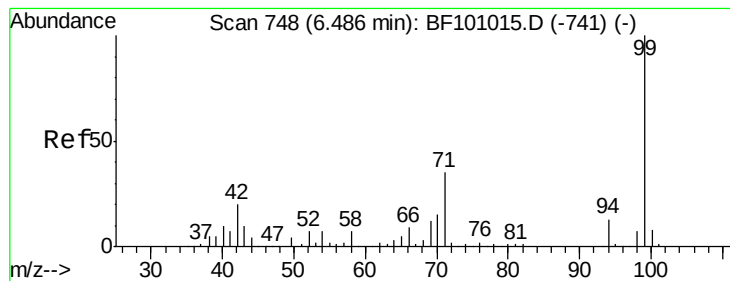


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 81.37 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

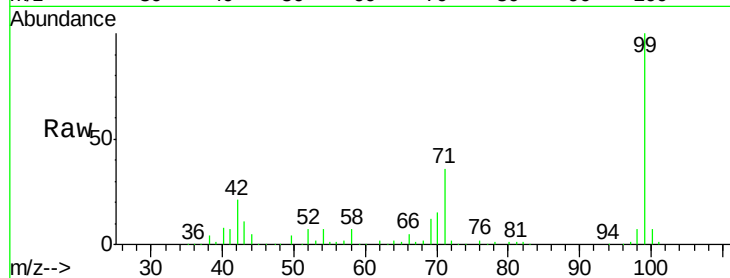
Tot Ion: 99 Resp: 314483

Ion Ratio Lower Upper

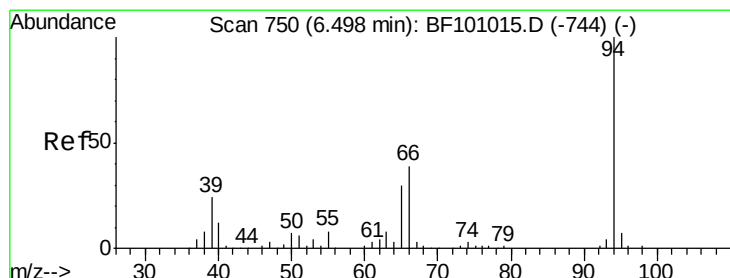
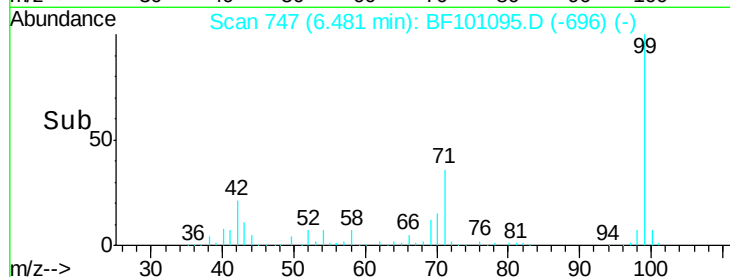
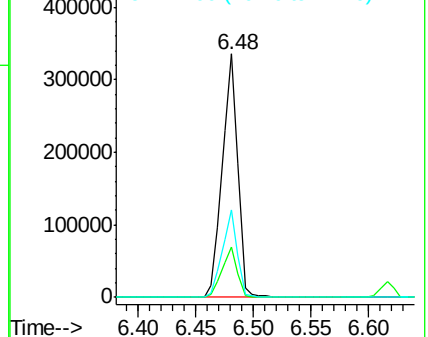
99 100

42 20.8 14.5 21.7

71 35.8 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: 2.34 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

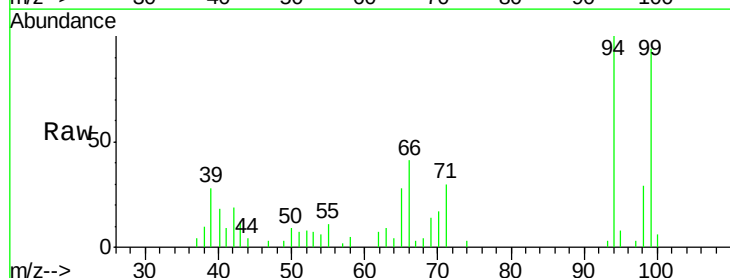
Tgt Ion: 94 Resp: 10039

Ion Ratio Lower Upper

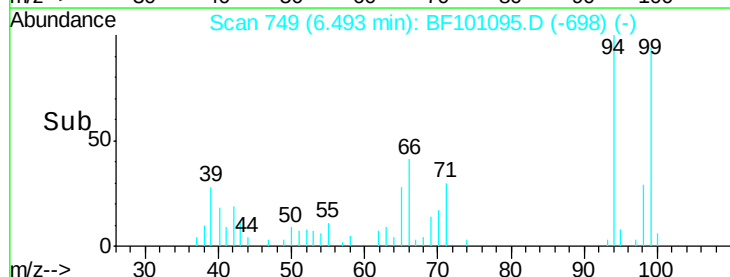
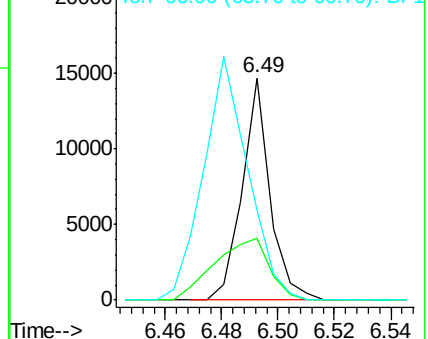
94 100

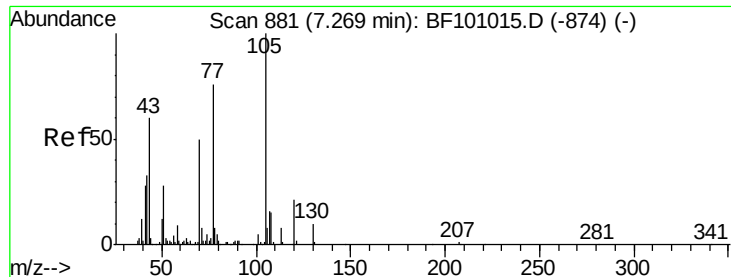
65 27.8 7.9 47.9

66 40.7 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

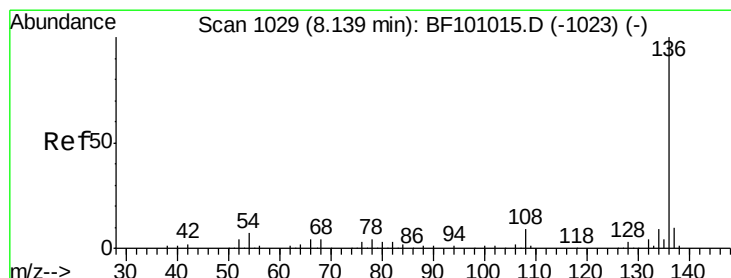
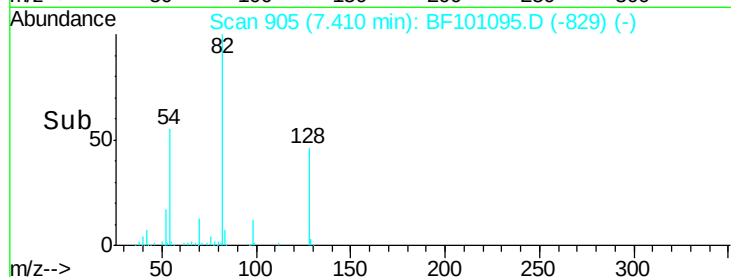
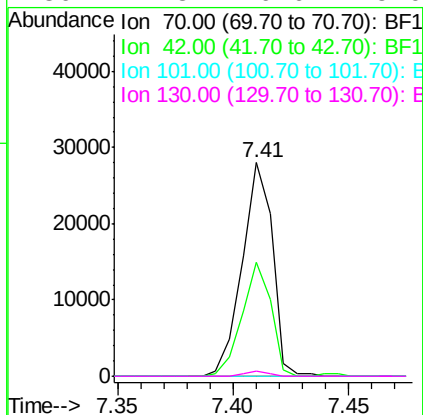
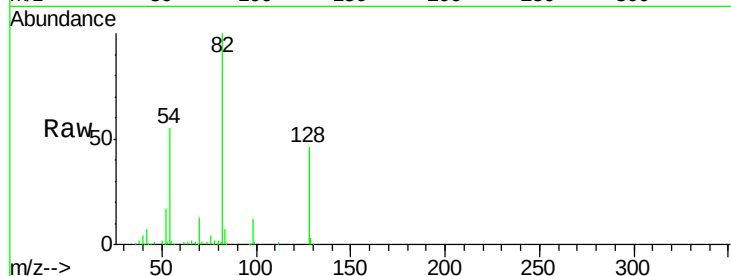




#19
n-Nitroso-di-n-propylamine
Concen: 9.94 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

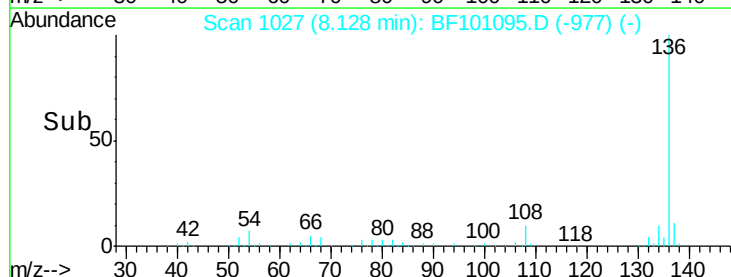
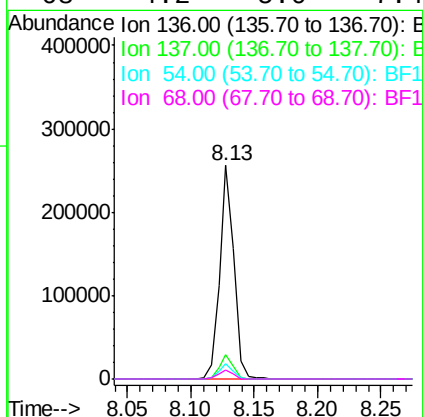
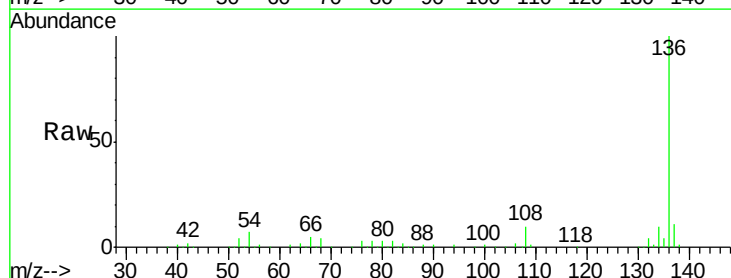
Instrument :
BNA_F
ClientSampleId :

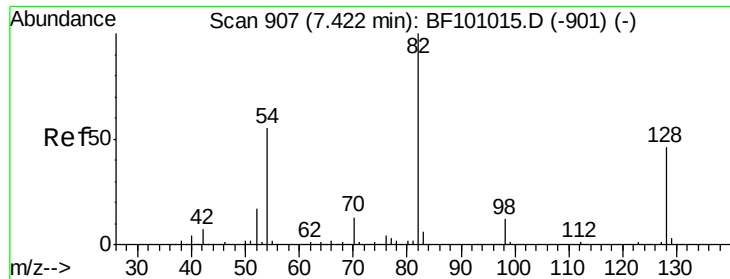
Tot Ion: 70 Resp: 25869
Ion Ratio Lower Upper
70 100
42 53.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion: 136 Resp: 203059
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.2 6.6 9.8
68 4.2 5.0 7.4#

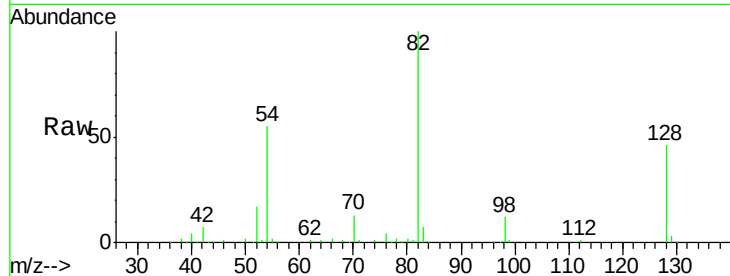




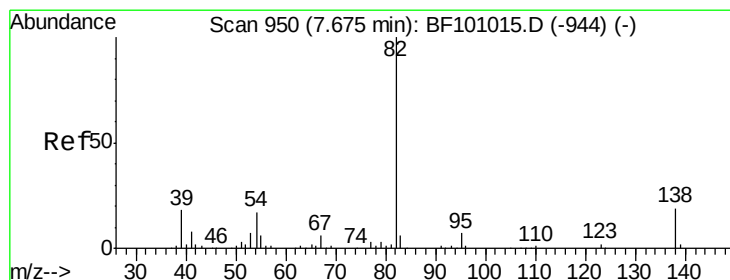
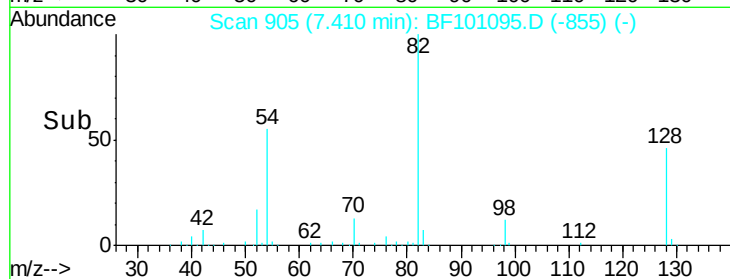
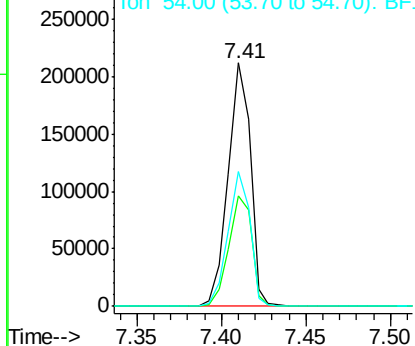
#23
 Nitrobenzene-d5
 Concen: 57.25 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 194875
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.1 54.1
 54 55.2 41.4 62.2

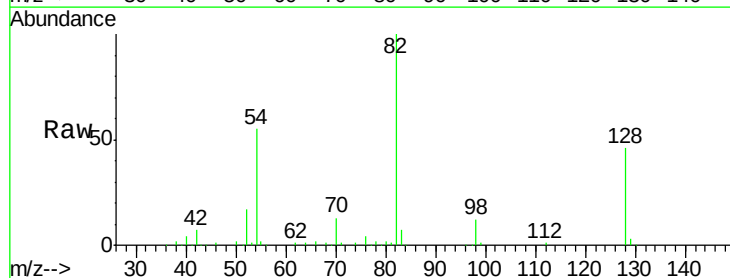


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

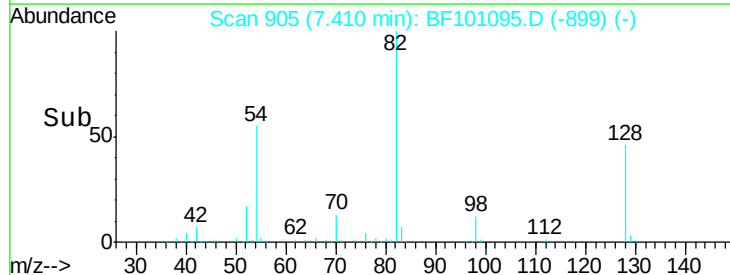
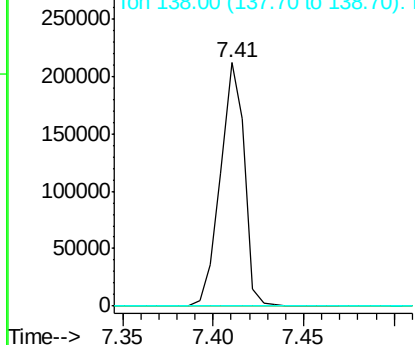


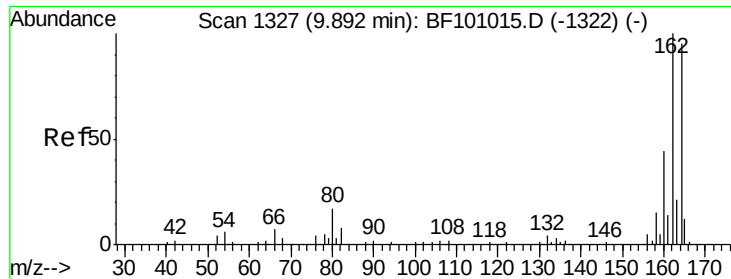
#25
 Isophorone
 Concen: 33.52 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Tgt Ion: 82 Resp: 194873
 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: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

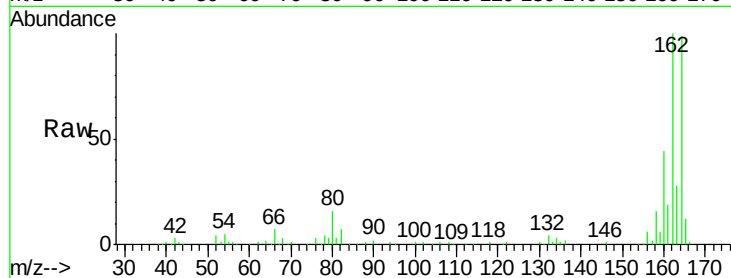
Tot Ion:164 Resp: 93186

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

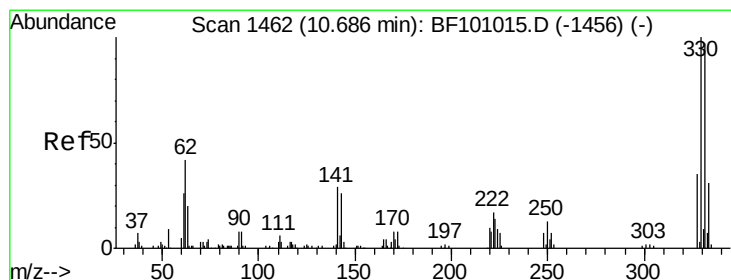
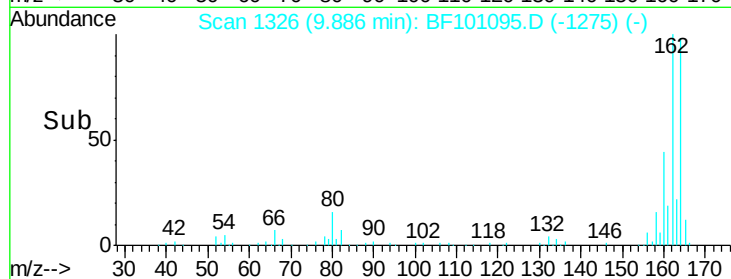
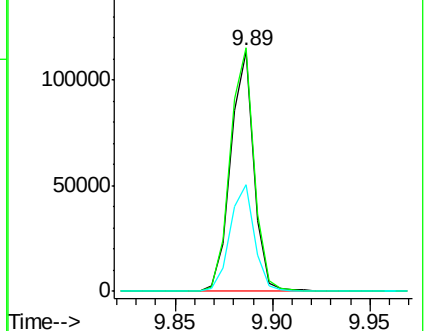
160 44.2 38.3 57.5



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: 42.37 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

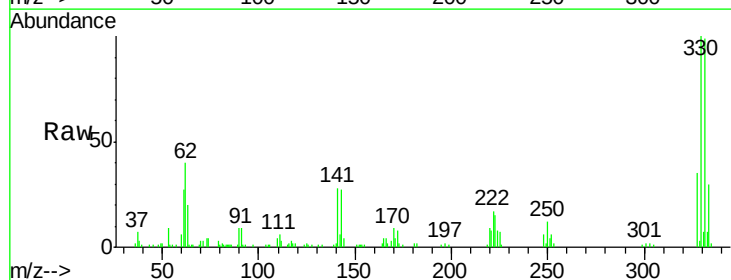
Tgt Ion:330 Resp: 47431

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

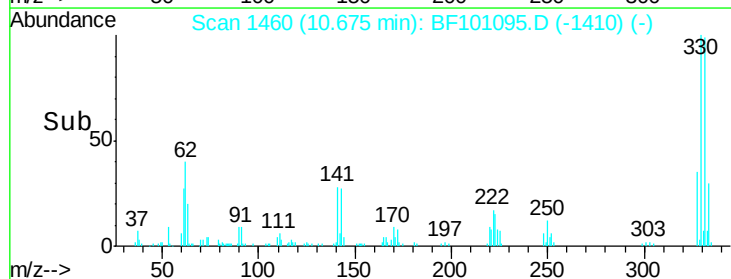
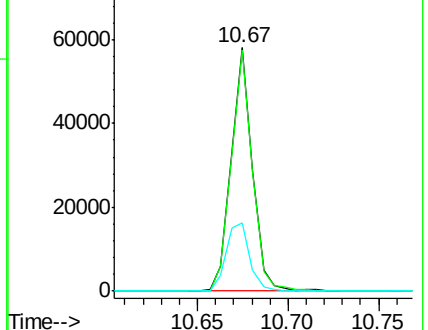
141 31.0 29.9 44.9

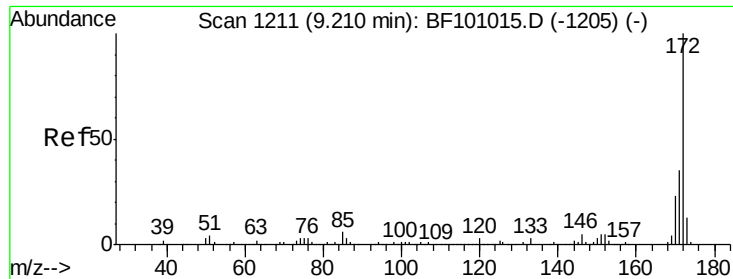


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

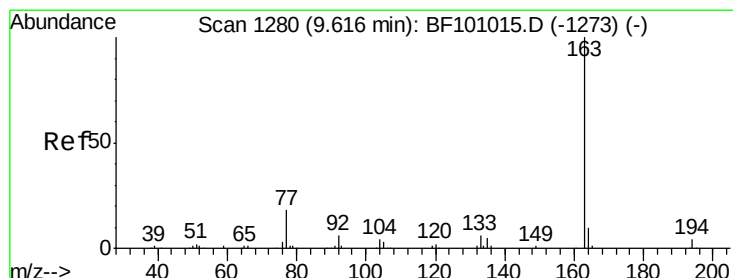
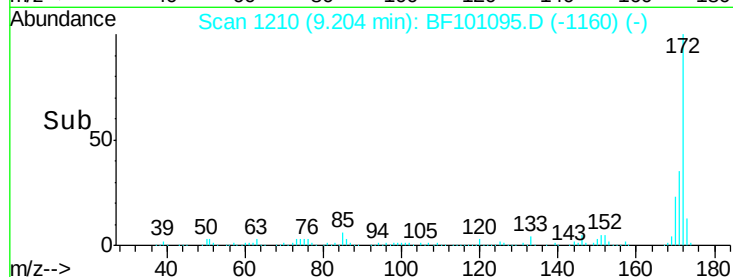
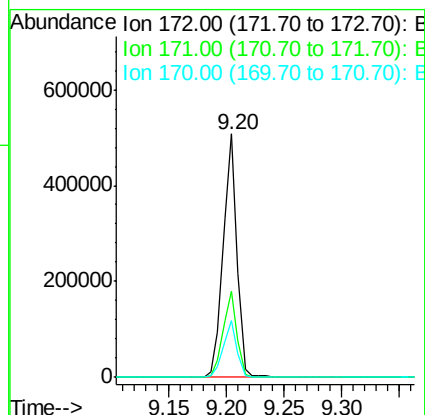
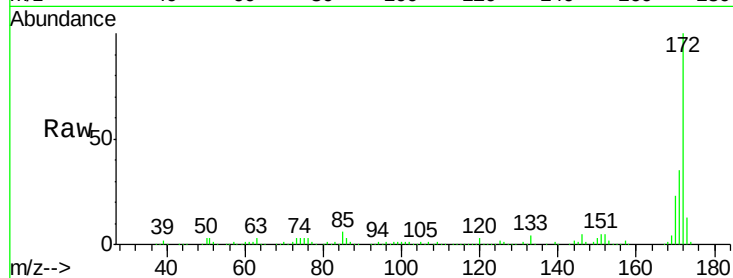




#44
 2-Fluorobiphenyl
 Concen: 62.06 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

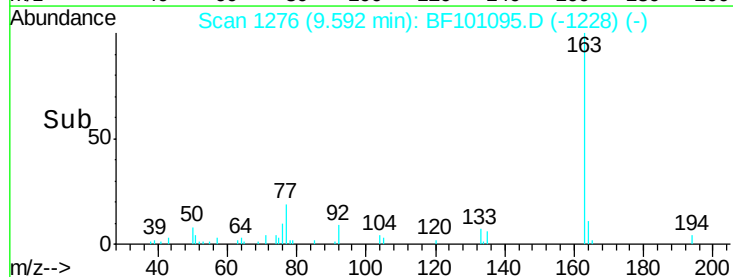
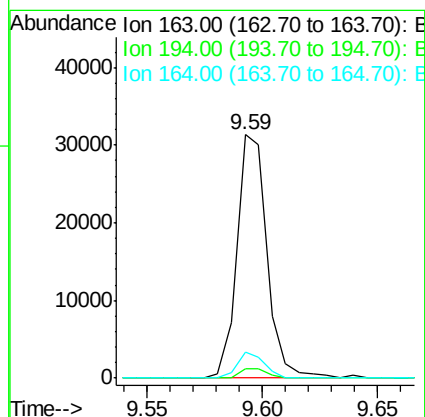
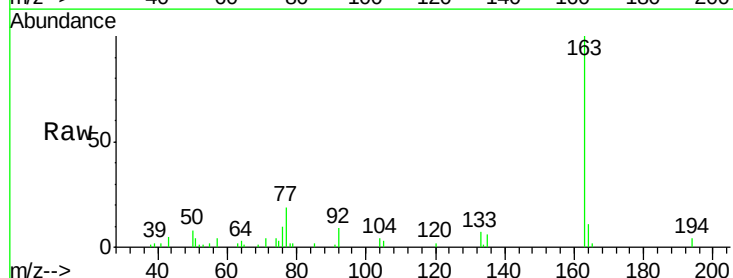
Instrument :
 BNA_F
 ClientSampleId :

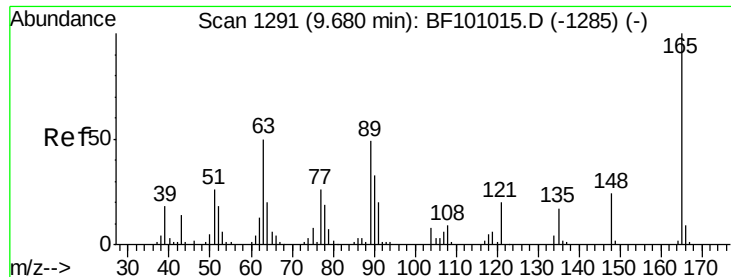
Tot Ion:172 Resp: 422703
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.3 19.6 29.4



#49
 Dimethylphthalate
 Concen: 3.78 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Tgt Ion:163 Resp: 28443
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.7 4.1
 164 10.9 8.2 12.2

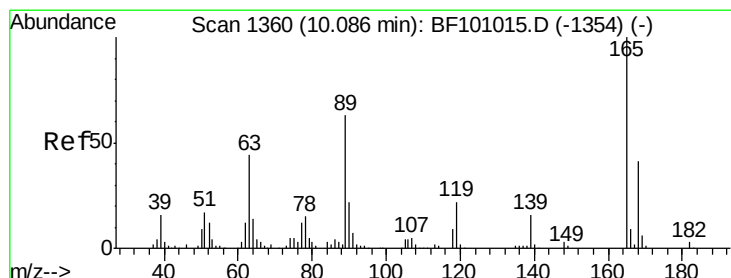
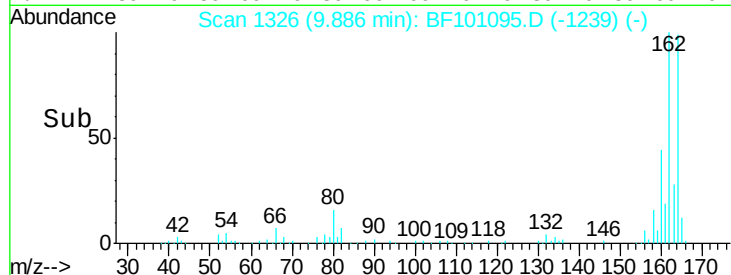
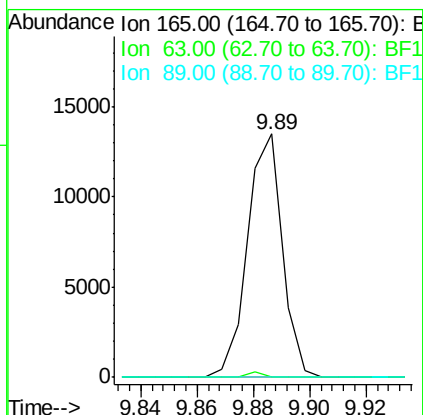
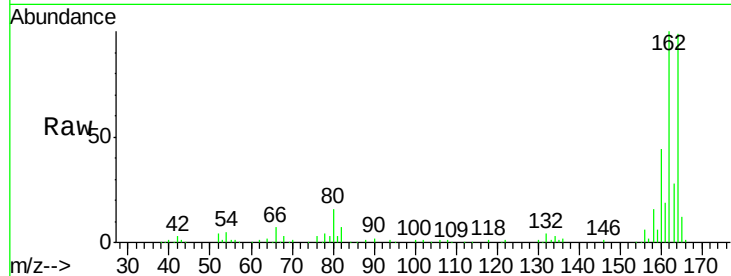




#50
 2,6-Dinitrotoluene
 Concen: 7.30 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

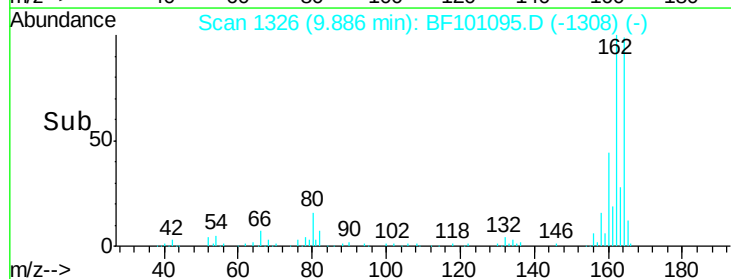
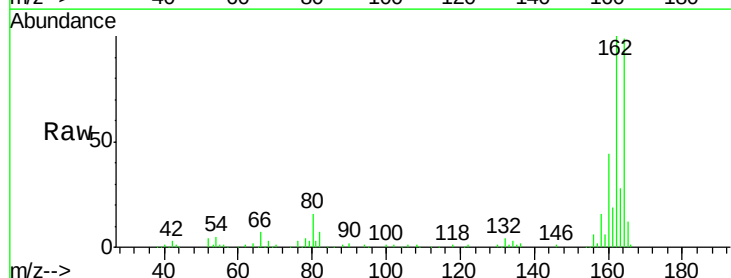
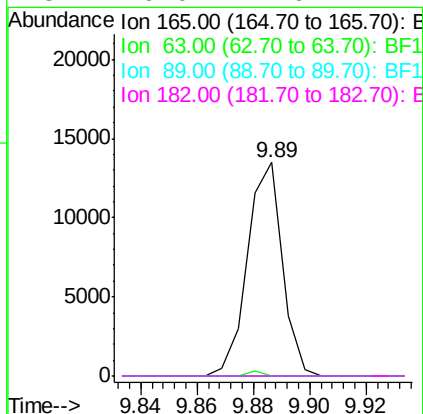
Instrument :
 BNA_F
 ClientSampleId :

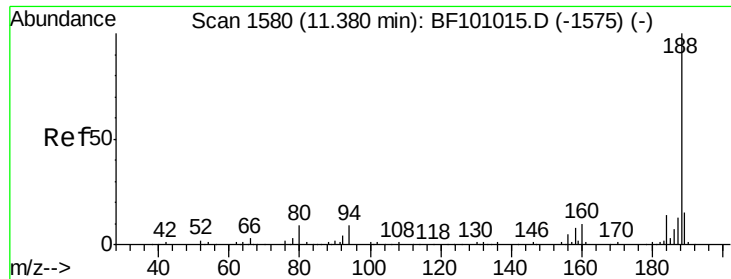
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.45 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Tgt 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#

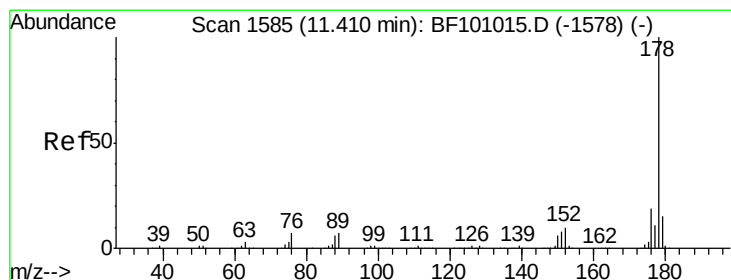
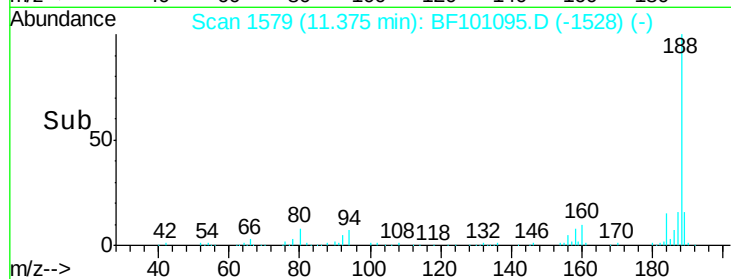
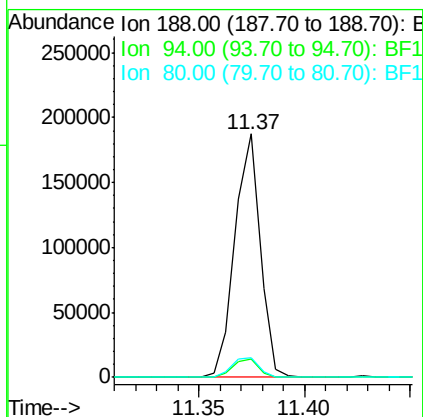
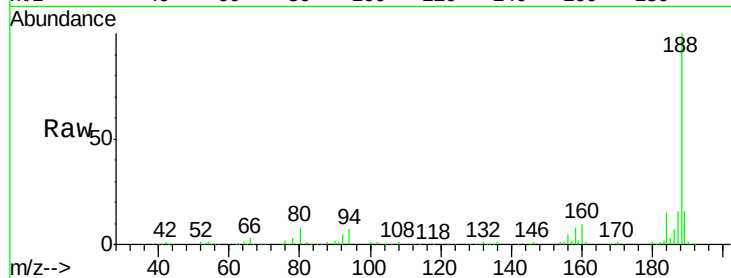




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

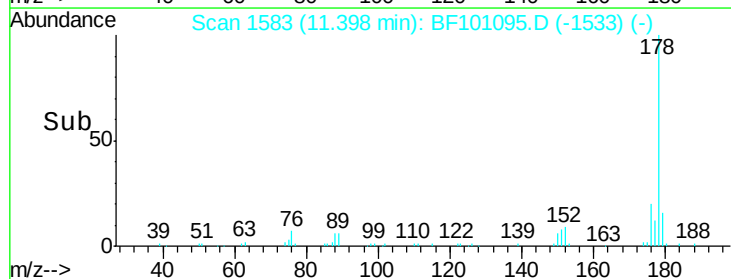
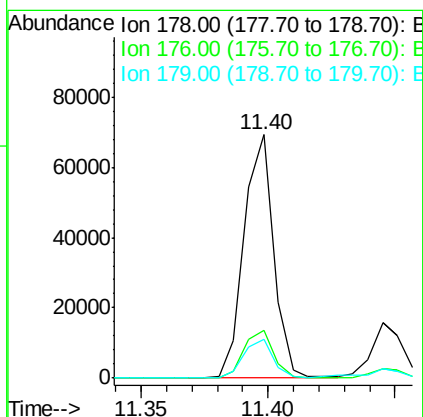
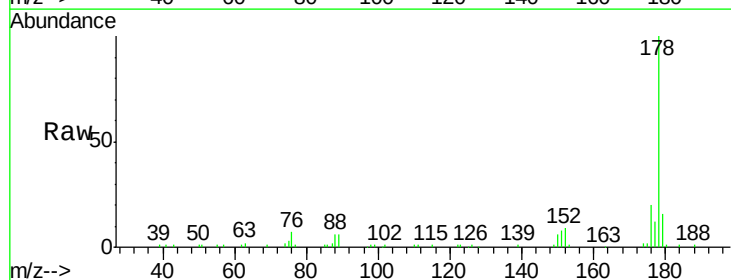
Instrument :
 BNA_F
 ClientSampled :

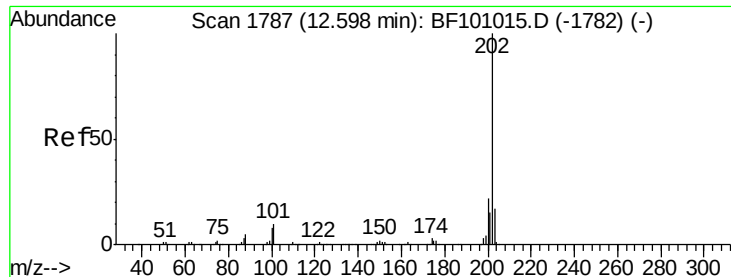
Tot Ion:188 Resp: 155384
 Ion Ratio Lower Upper
 188 100
 94 7.4 8.5 12.7#
 80 8.0 9.2 13.8#



#70
 Phenanthrene
 Concen: 6.60 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Tgt Ion:178 Resp: 56502
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.9 13.0 19.6





#74

Fluoranthene

Concen: 11.55 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

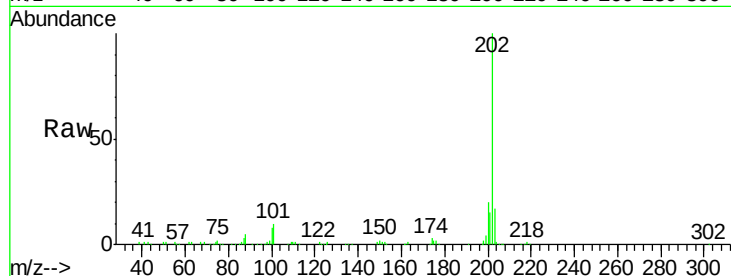
Tot Ion:202 Resp: 109581

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

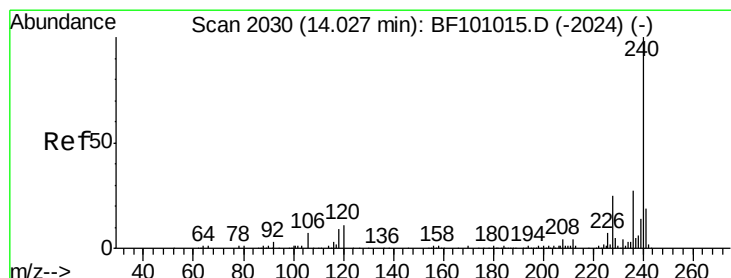
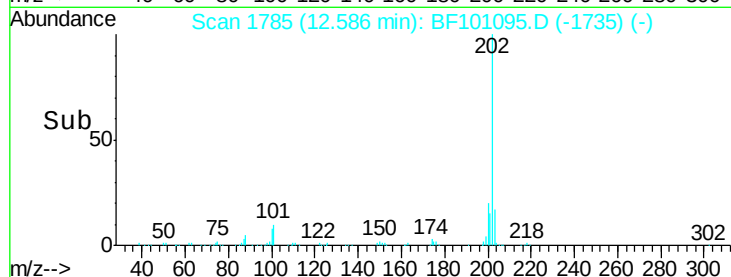
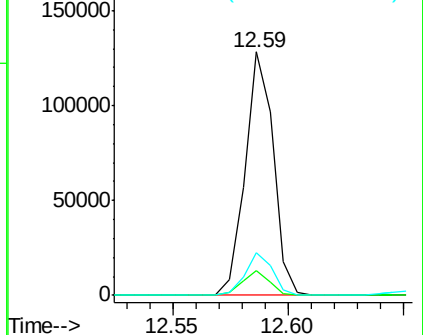
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101095.D

Acq: 4 Dec 2017 14:02

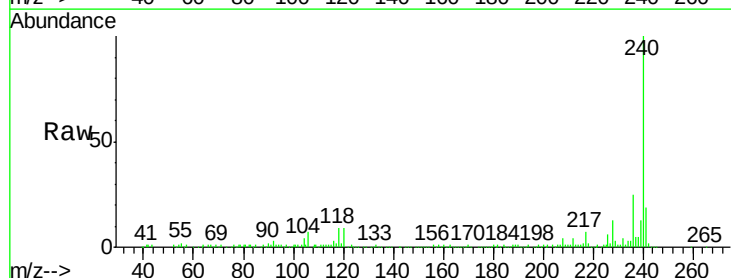
Tgt Ion:240 Resp: 124157

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

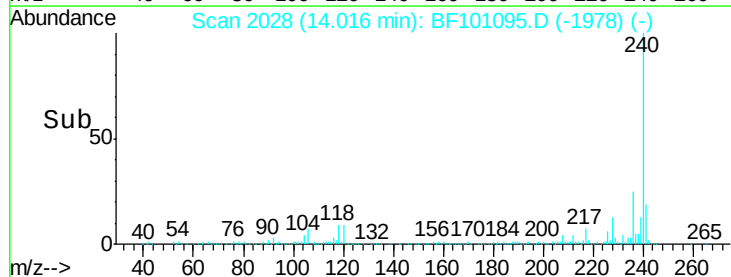
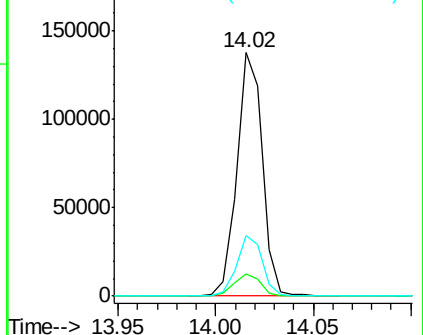
236 25.0 20.7 31.1

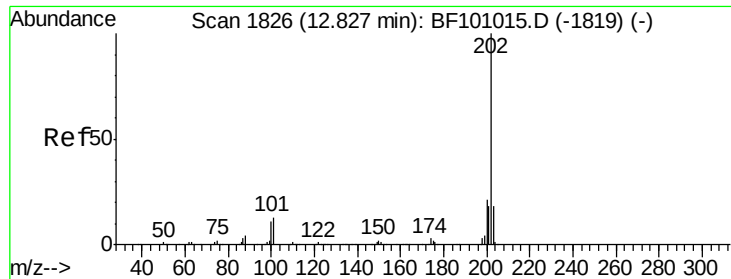


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

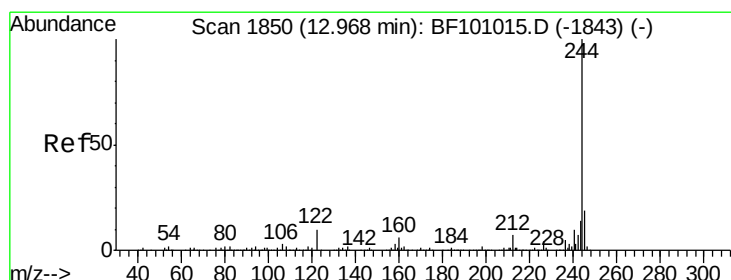
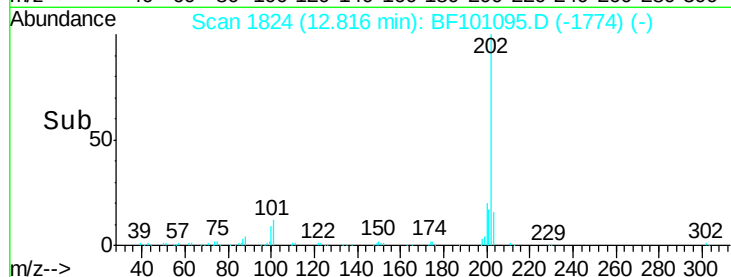
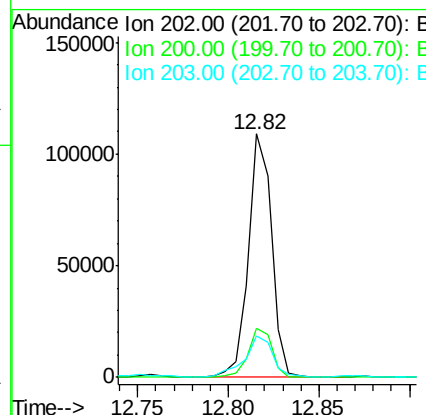
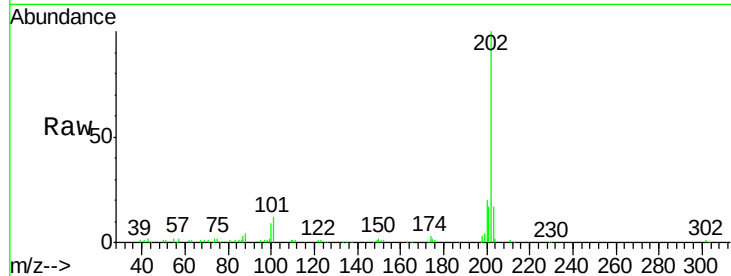




#77
Pvrene
Concen: 11.36 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

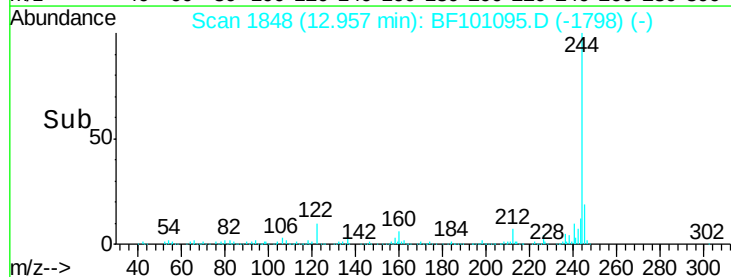
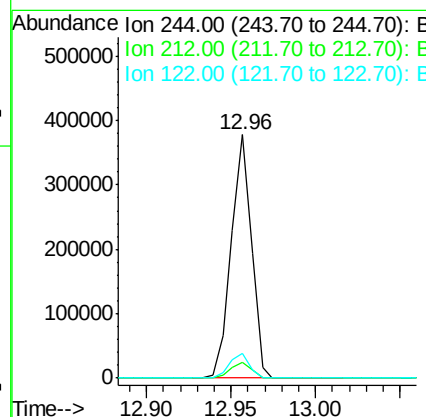
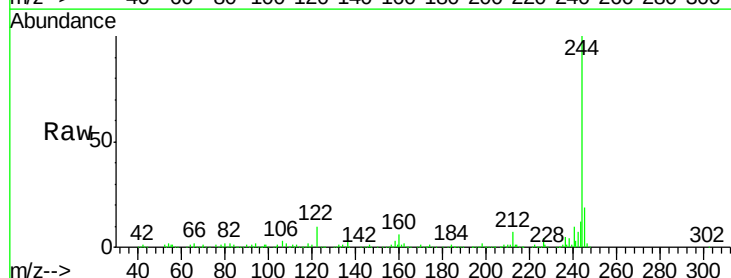
Instrument :
BNA_F
ClientSampled :

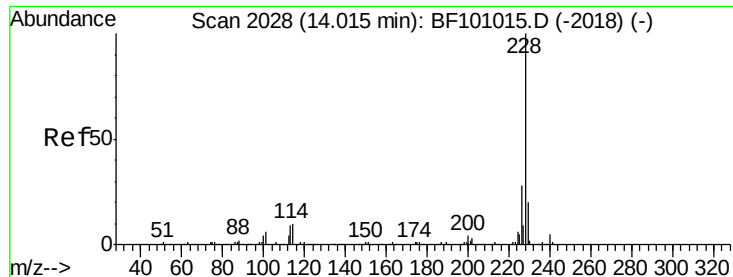
Tot Ion:202 Resp: 97299
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 55.50 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion:244 Resp: 315054
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.2 11.0 16.4#

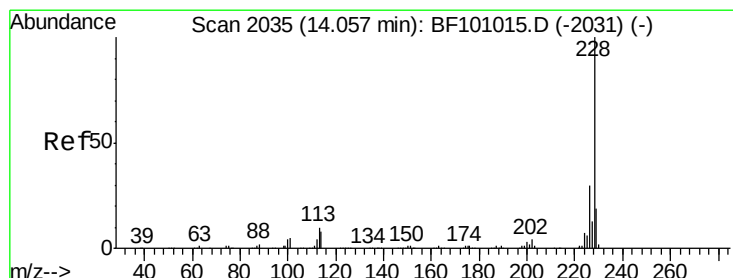
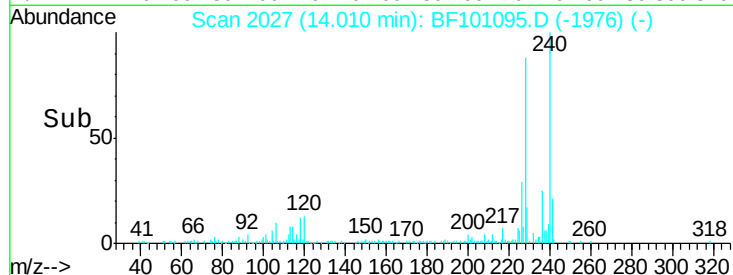
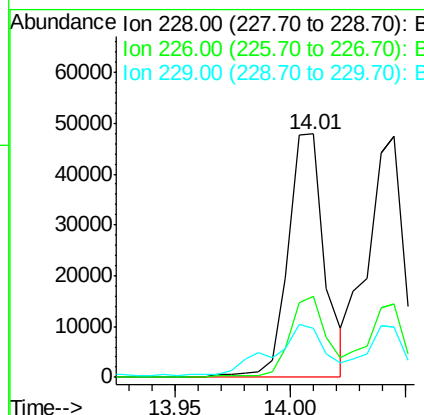
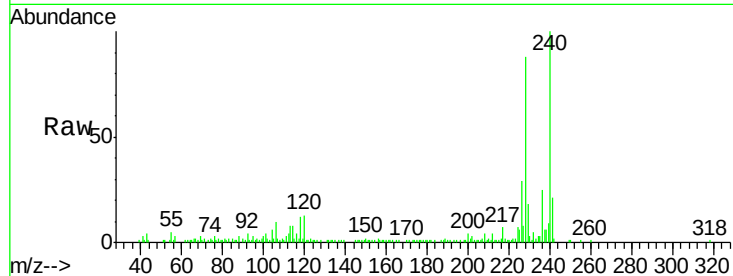




#80
Benzo(a)anthracene
Concen: 6.68 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

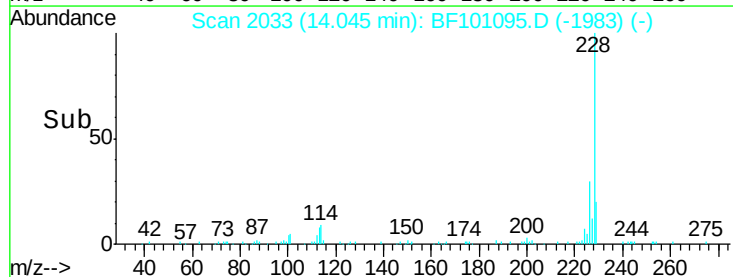
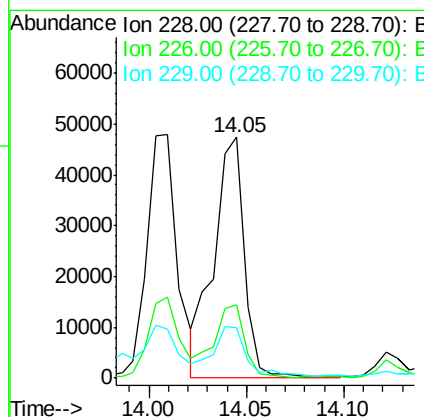
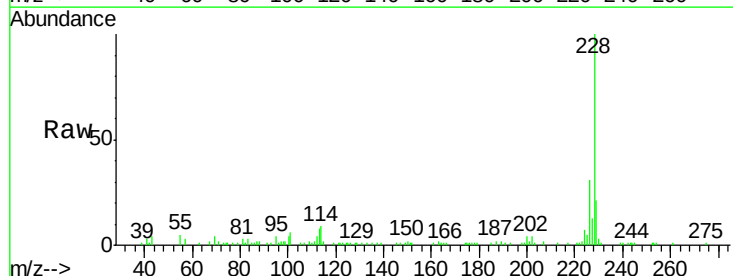
Instrument :
BNA_F
ClientSampleId :

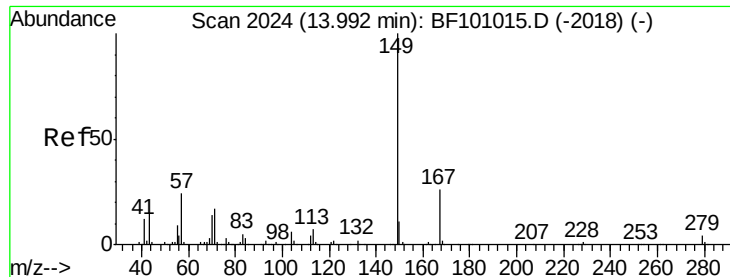
Tot Ion:228 Resp: 52397
Ion Ratio Lower Upper
228 100
226 33.1 22.6 33.8
229 19.9 15.8 23.6



#82
Chrysene
Concen: 7.16 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion:228 Resp: 52117
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.0 16.2 24.4

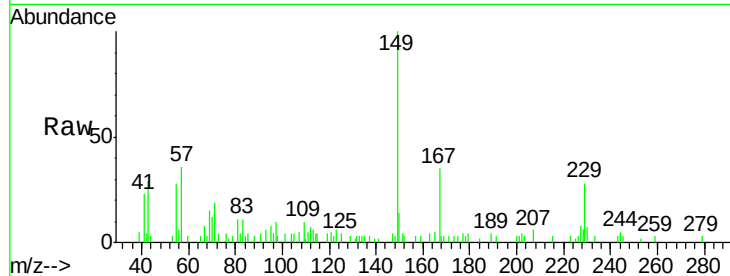




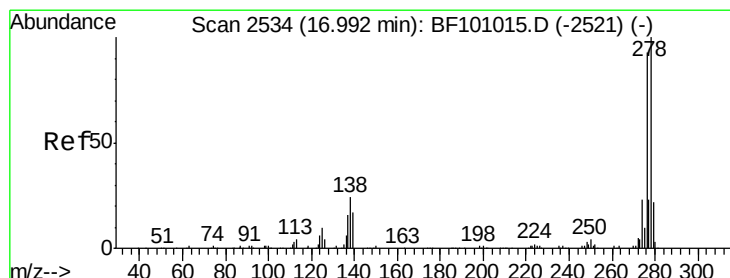
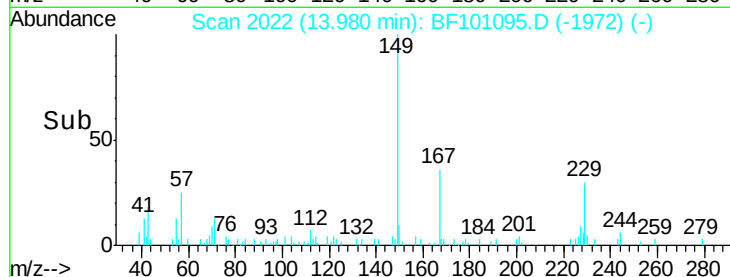
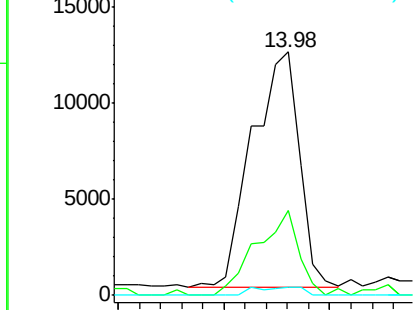
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.54 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 19043
Ion Ratio Lower Upper
149 100
167 34.7 21.3 31.9#
279 3.3 3.0 4.4

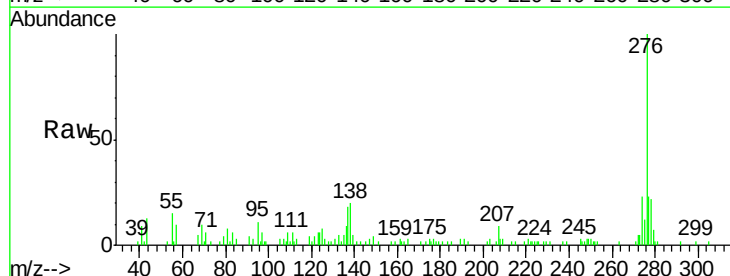


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

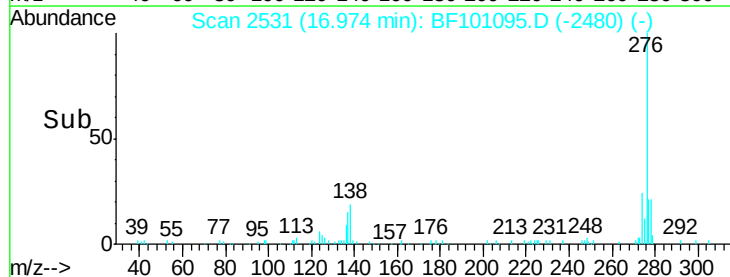
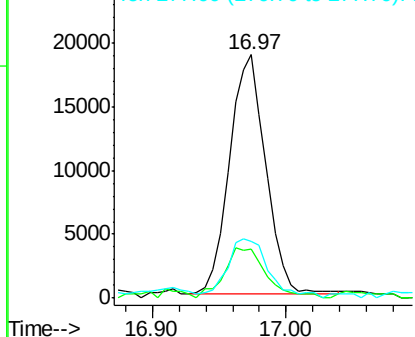


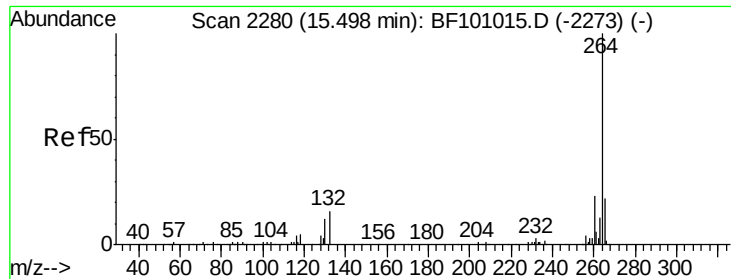
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.44 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion:276 Resp: 35195
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 28.6 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

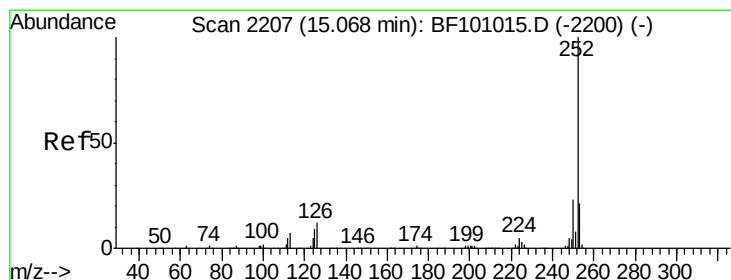
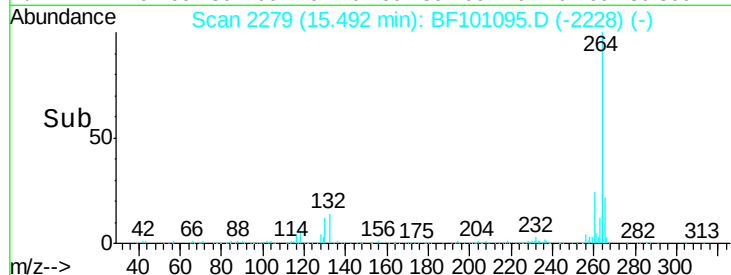
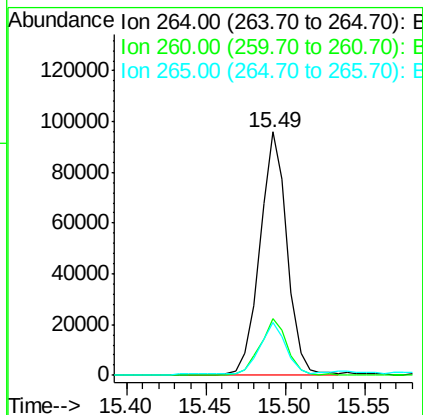
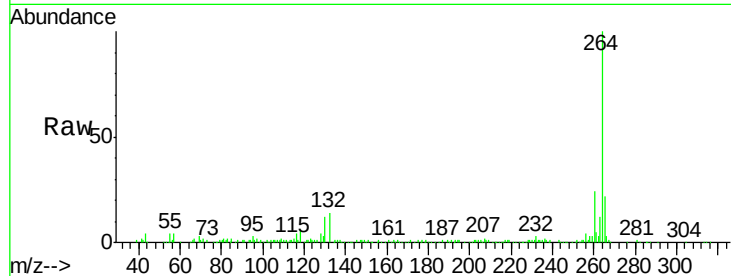




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

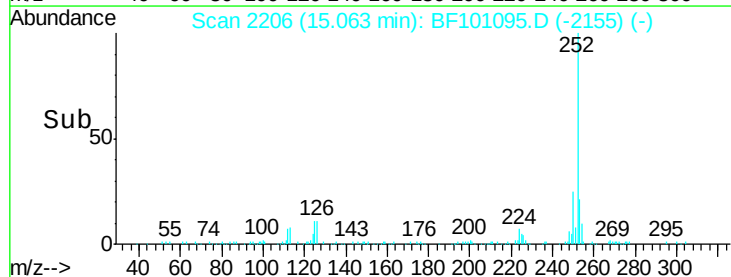
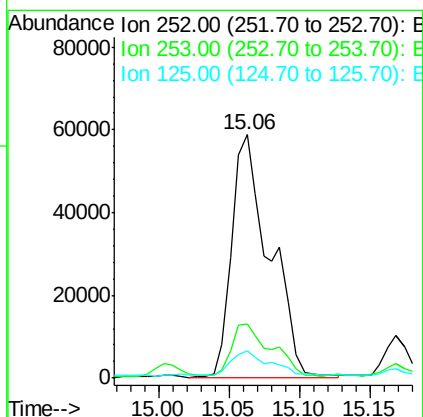
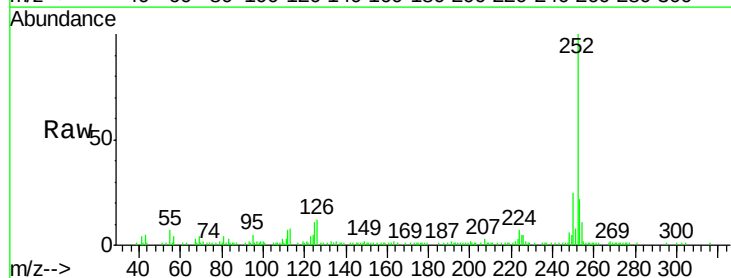
Instrument :
BNA_F
ClientSampleId :

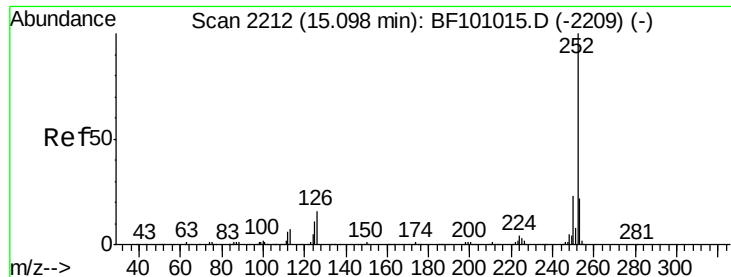
Tot Ion:264 Resp: 114723
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.13 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion:252 Resp: 110872
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.4 9.0 13.6

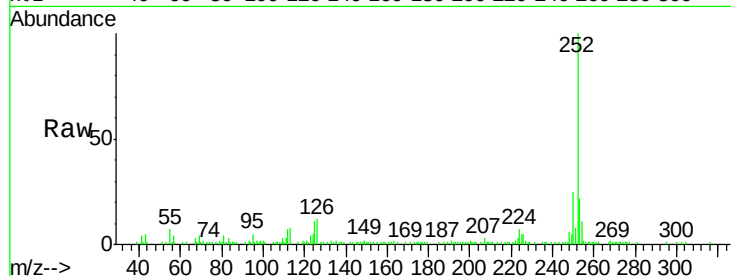




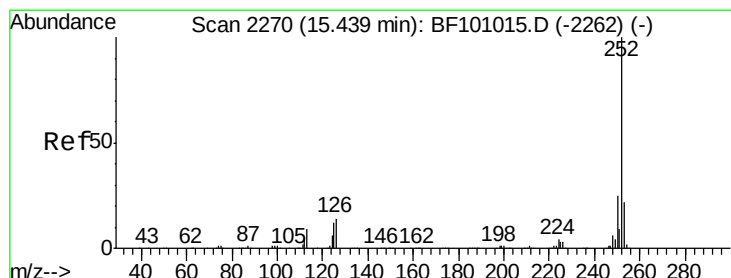
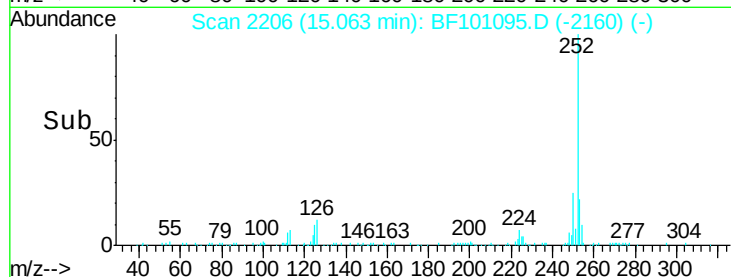
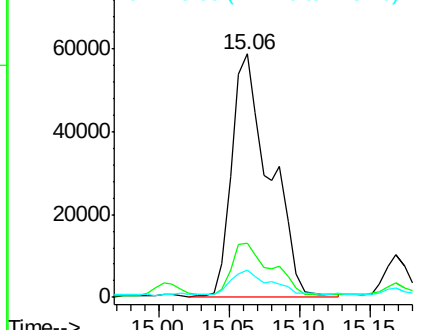
#88
Benzo(k)fluoranthene
Concen: 16.38 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	11.4	10.2	15.2

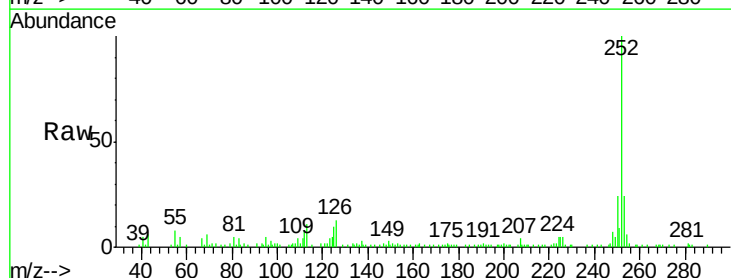


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

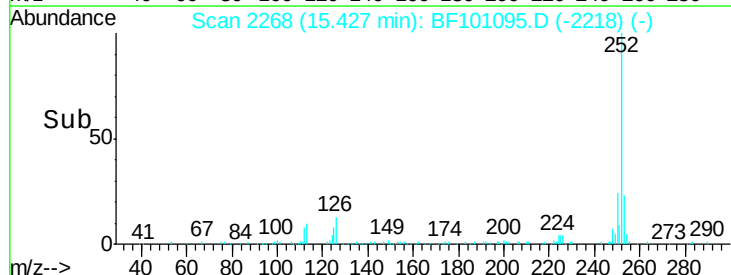
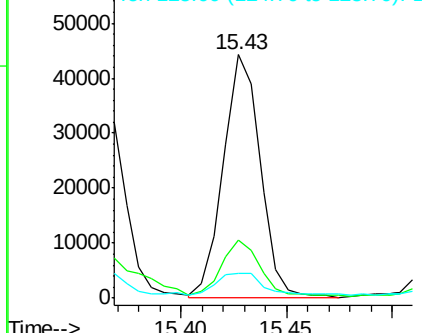


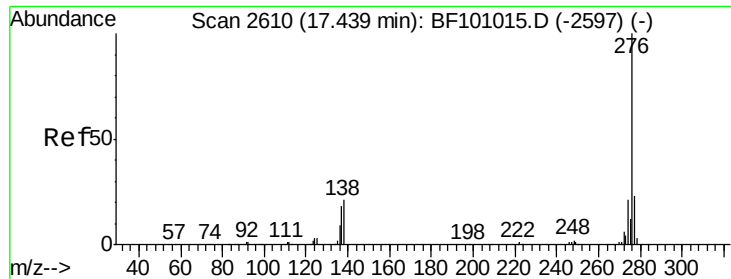
#89
Benzo(a)pyrene
Concen: 8.62 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101095.D
Acq: 4 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	10.3	9.8	14.6



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

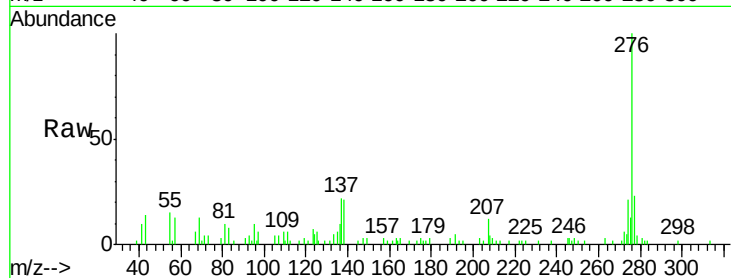




#91
 Benzo(a,h,i)perylene
 Concen: 6.86 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF101095.D
 Acq: 4 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	20.9	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

