

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101024.D
 Acq On : 30 Nov 2017 18:24
 Operator : SJ/JU
 Sample : I6610-10 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 00:34:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

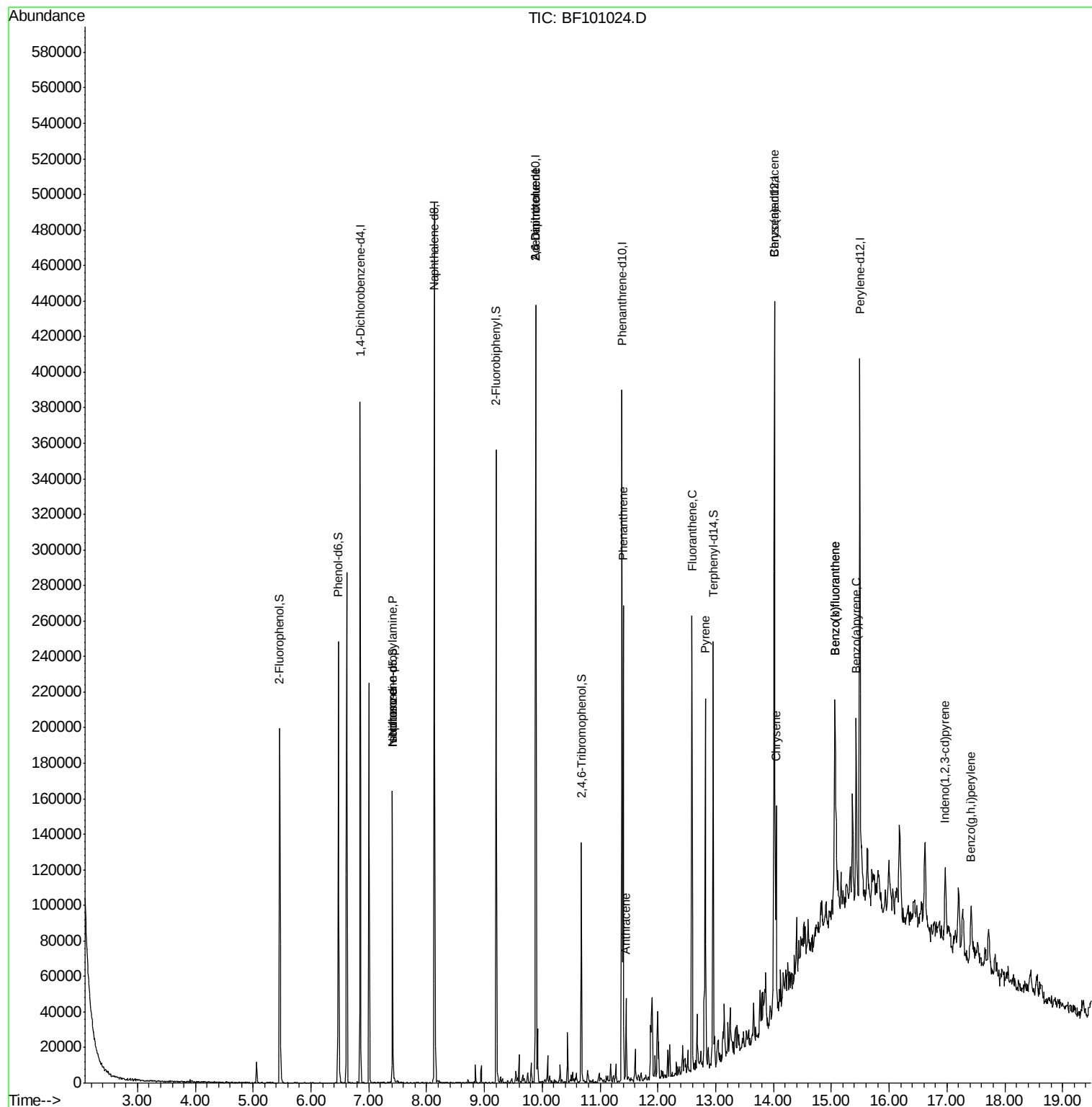
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51970	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	198908	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	85417	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	138820	20.00	ng	0.00
75) Chrysene-d12	14.02	240	115275	20.00	ng	-0.01
86) Perylene-d12	15.49	264	134236	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	61453	19.54	ng	0.00
7) Phenol-d6	6.47	99	75356	19.74	ng	-0.01
23) Nitrobenzene-d5	7.41	82	43600	13.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	15866	15.46	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	101411	16.24	ng	0.00
78) Terphenyl-d14	12.96	244	70713	13.42	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	5687	2.212	ng	Qvalue # 80
25) Isophorone	7.41	82	43600	7.655	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	10476	7.220	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	10476	5.388	ng	# 21
70) Phenanthrene	11.40	178	94800	12.401	ng	97
71) Anthracene	11.45	178	20130	2.602	ng	98
74) Fluoranthene	12.59	202	102773	12.128	ng	95
77) Pyrene	12.82	202	90185	11.338	ng	99
80) Benzo(a)anthracene	14.01	228	50053	6.877	ng	98
82) Chrysene	14.04	228	47158	6.977	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	25752	4.285	ng	91
87) Benzo(b)fluoranthene	15.06	252	80520	10.014	ng	96
88) Benzo(k)fluoranthene	15.06	252	80520	10.165	ng	98
89) Benzo(a)pyrene	15.43	252	43981	6.017	ng	98
91) Benzo(a,h,i)perylene	17.42	276	25089	4.131	ng	# 87

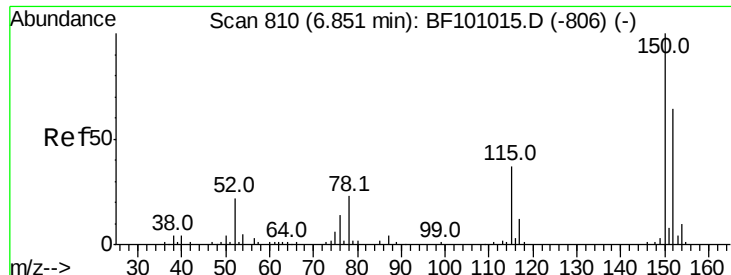
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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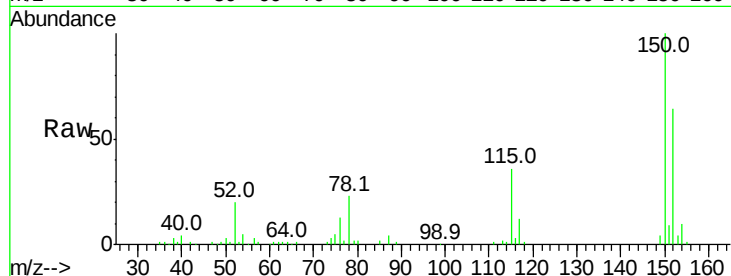


#1

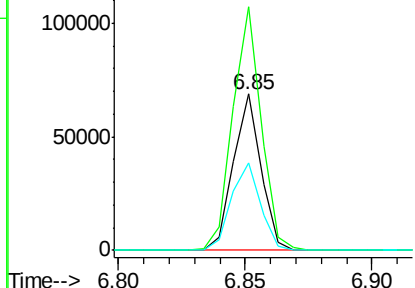
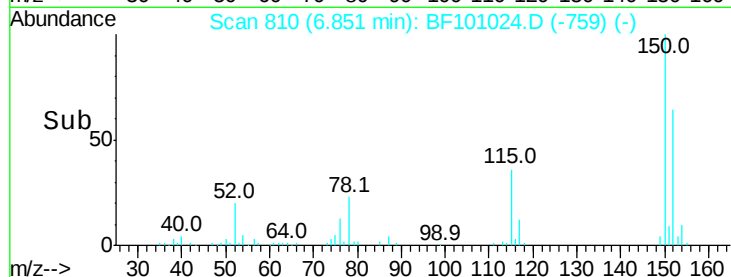
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 51970
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 56.2 50.1 75.1



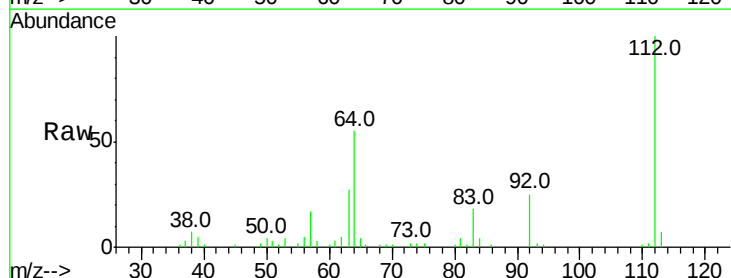
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



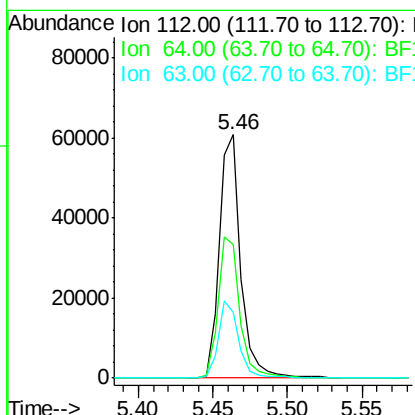
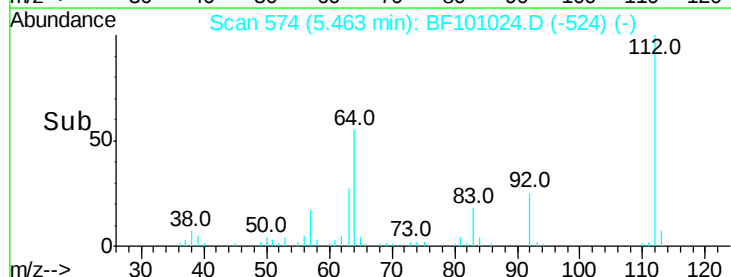
#5

2-Fluorophenol
Concen: 19.540 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion:112 Resp: 61453
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.2 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: 19.735 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

ClientSampleId :

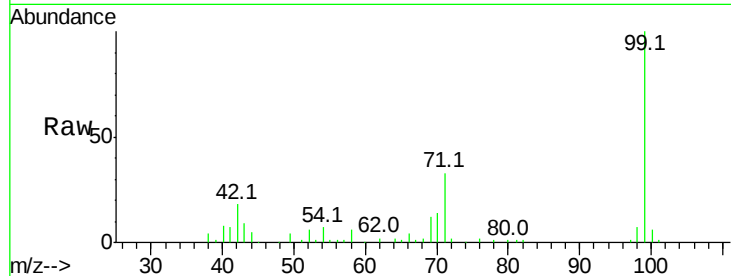
Tot Ion: 99 Resp: 75356

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

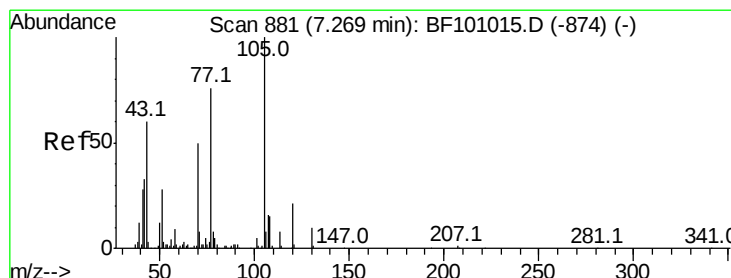
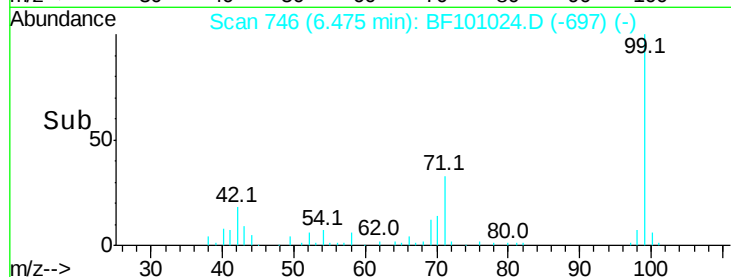
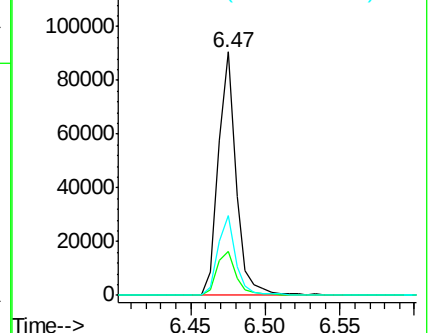
71 32.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.212 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Tgt Ion: 70 Resp: 5687

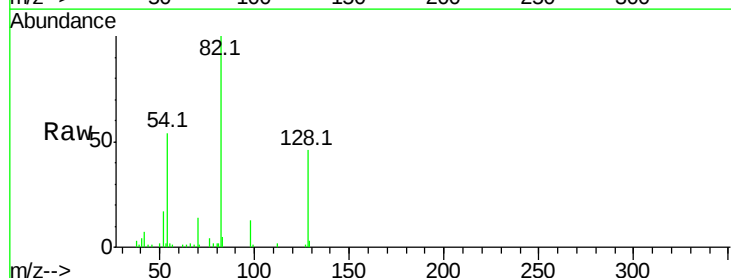
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

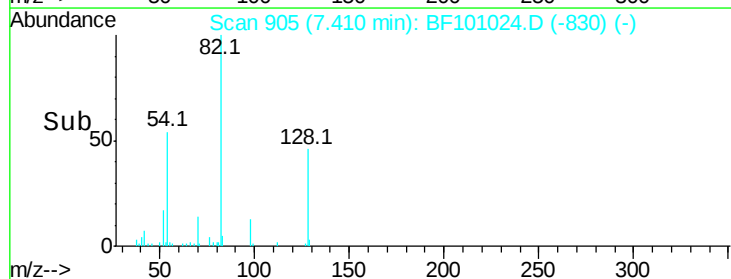
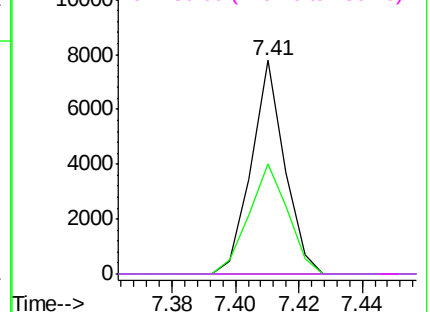


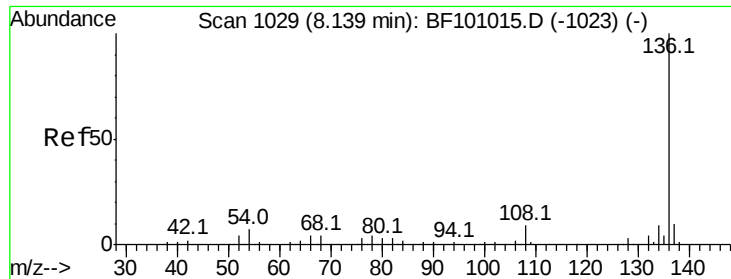
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

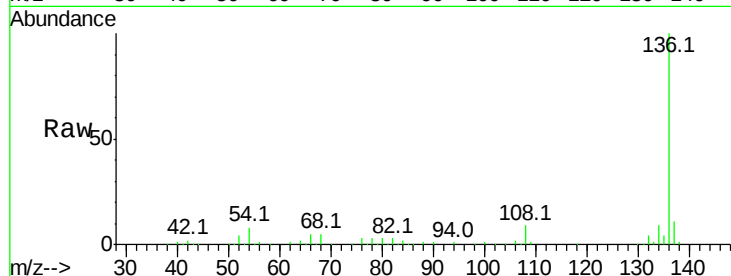




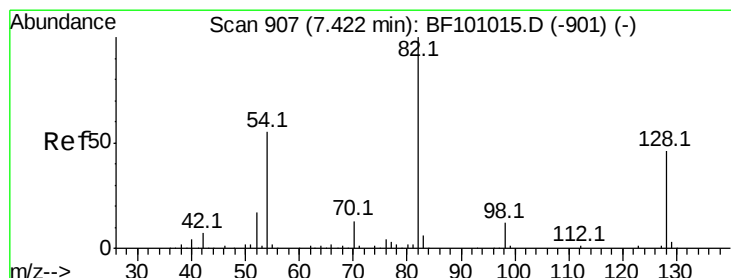
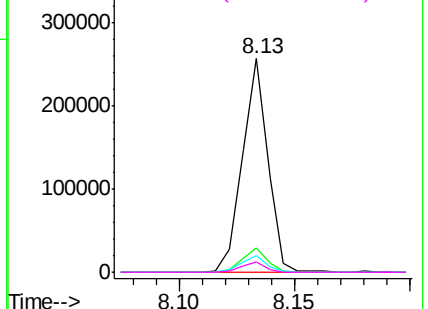
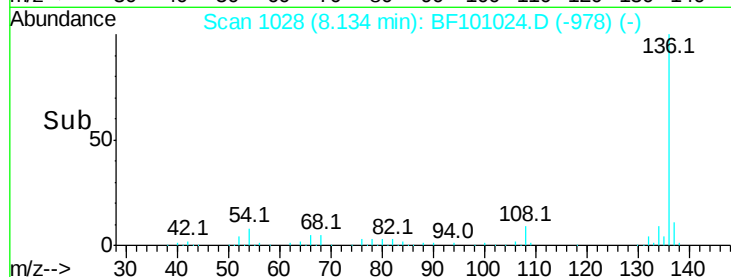
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	198908
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.6	9.8
68	4.6	5.0	7.4#

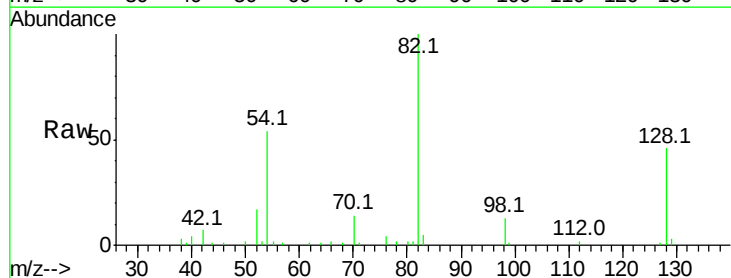


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

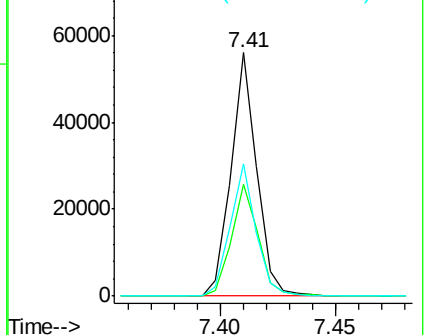
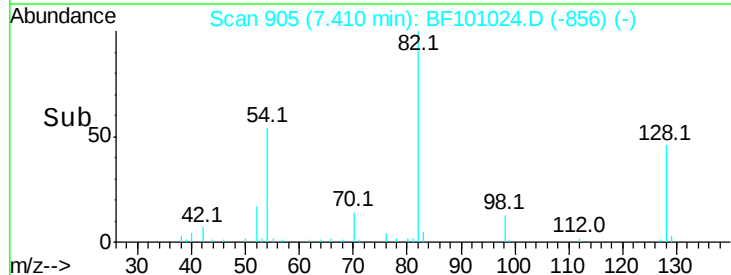


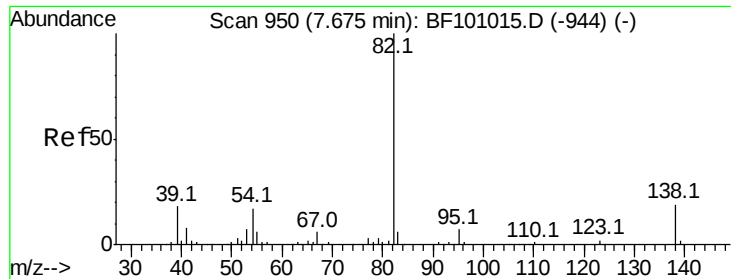
#23
Nitrobenzene-d5
Concen: 13.076 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion:	82	Resp:	43600
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	54.1	41.4	62.2



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





#25

Isophorone

Concen: 7.655 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

ClientSampleId :

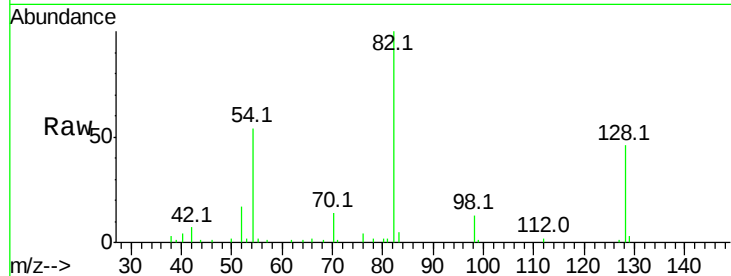
Tot Ion: 82 Resp: 43600

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

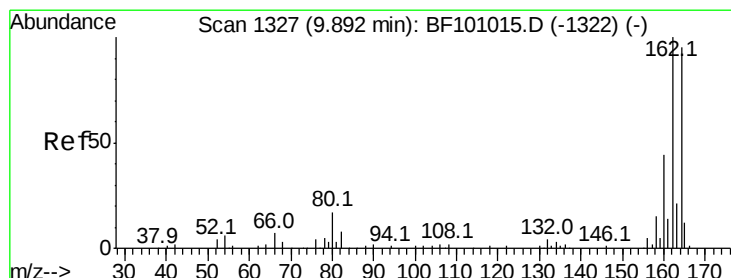
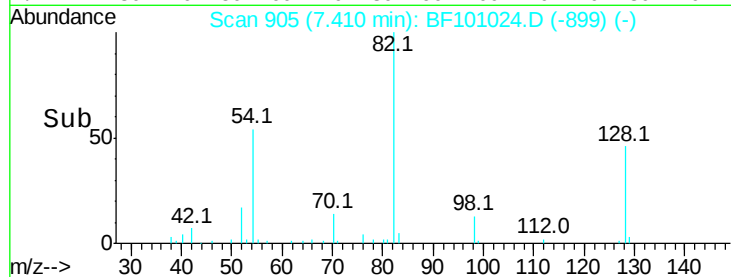
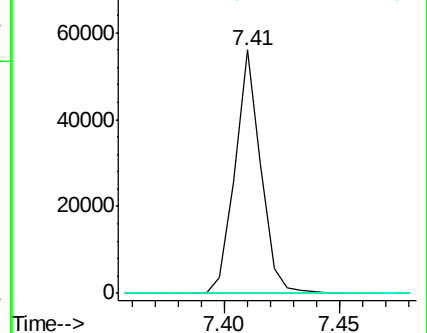
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

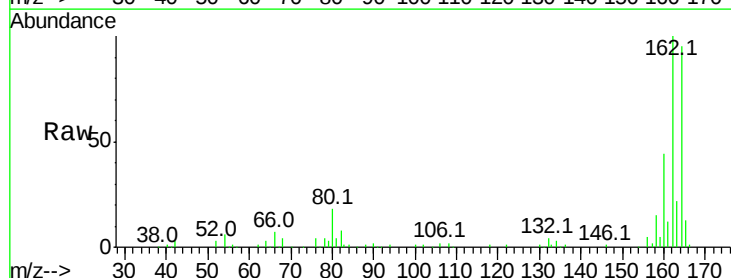
Tgt Ion:164 Resp: 85417

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

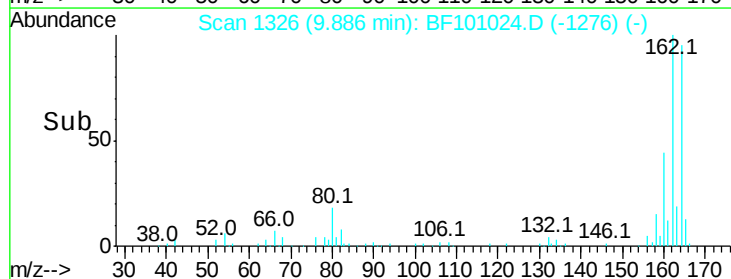
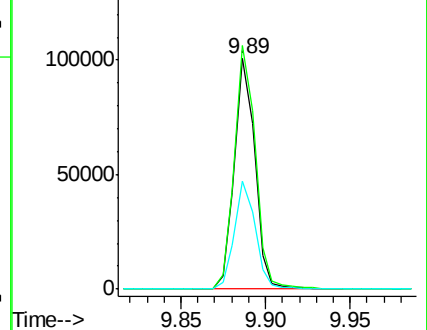
160 46.6 38.3 57.5

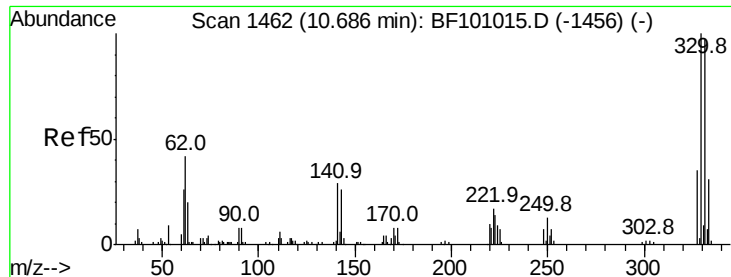


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

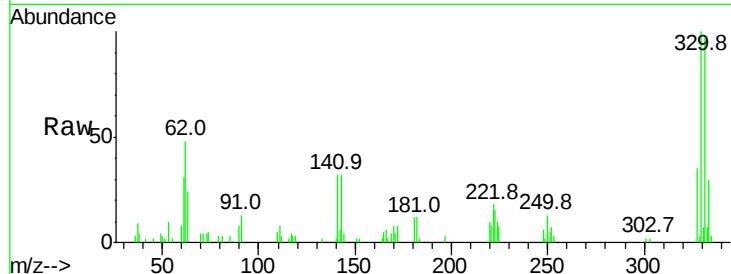




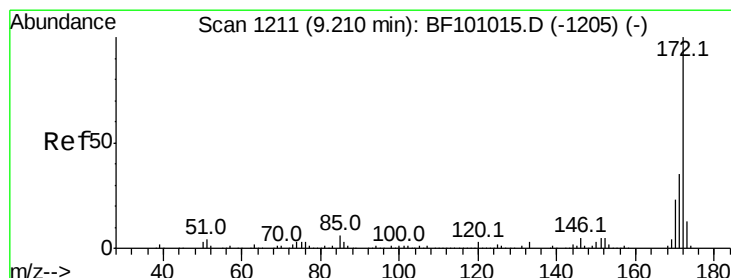
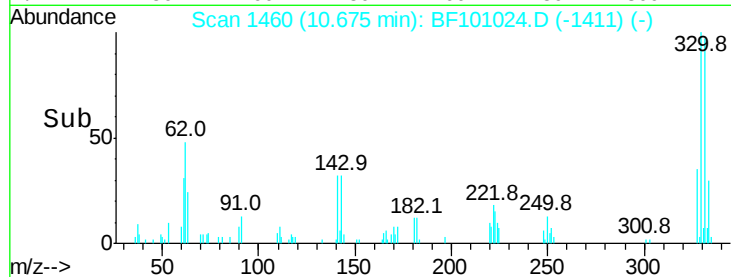
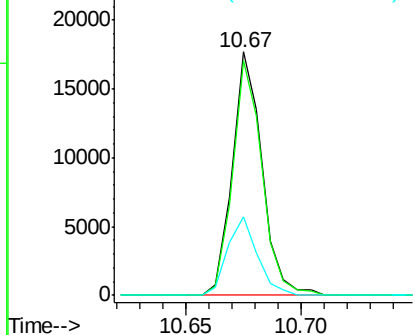
#41
 2,4,6-Tribromophenol
 Concen: 15.462 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 15866
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 32.1 29.9 44.9

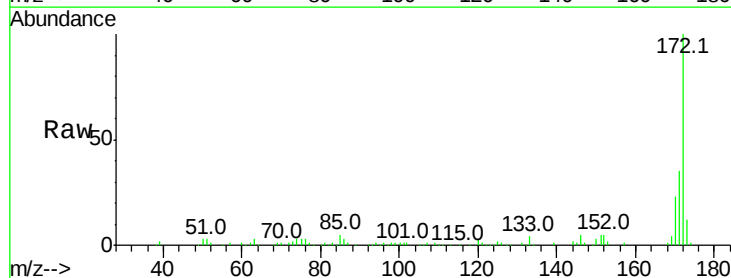


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

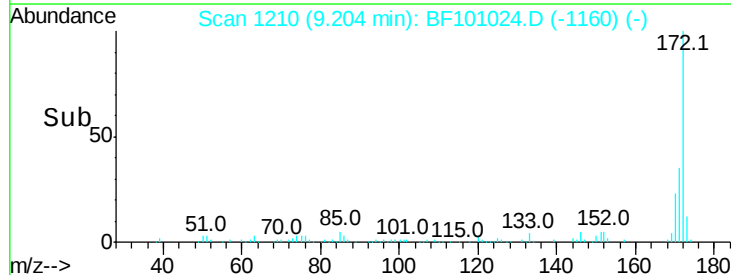
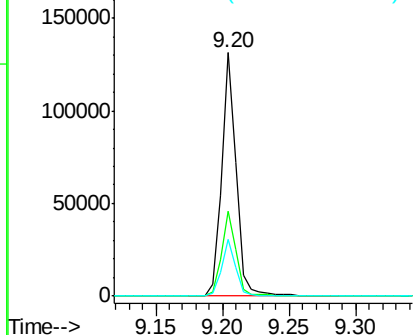


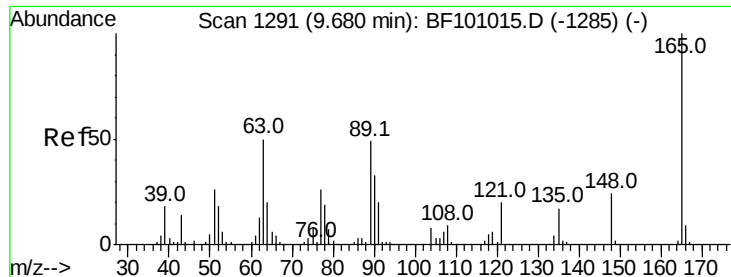
#44
 2-Fluorobiphenyl
 Concen: 16.244 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion:172 Resp: 101411
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.2 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

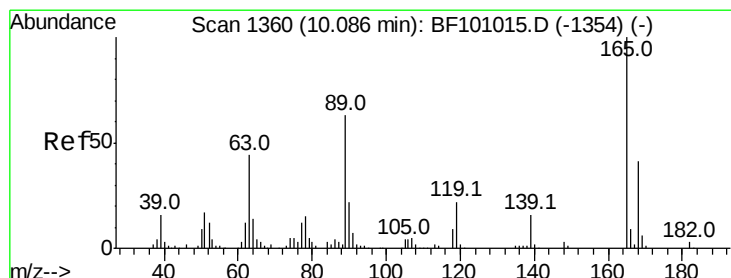
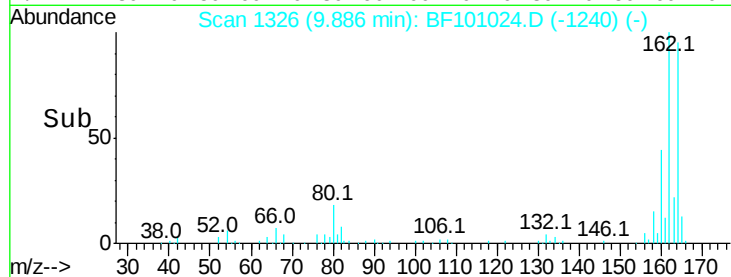
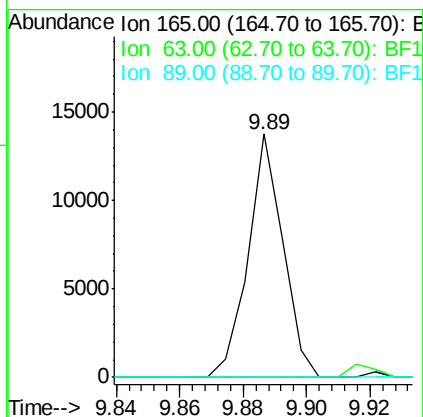
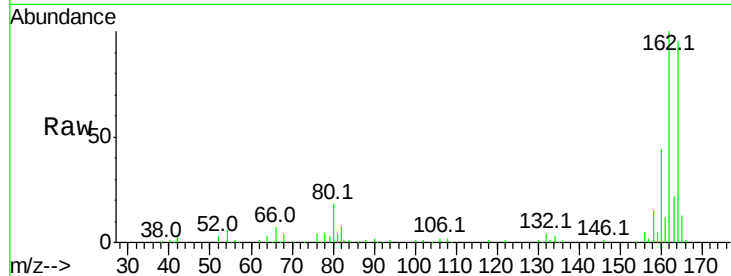




#50
 2,6-Dinitrotoluene
 Concen: 7.220 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

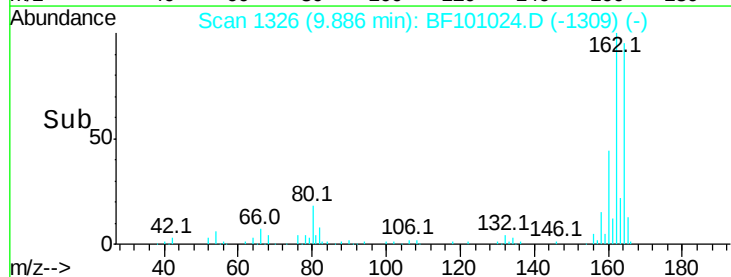
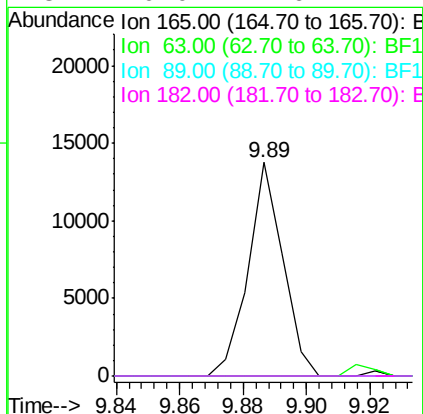
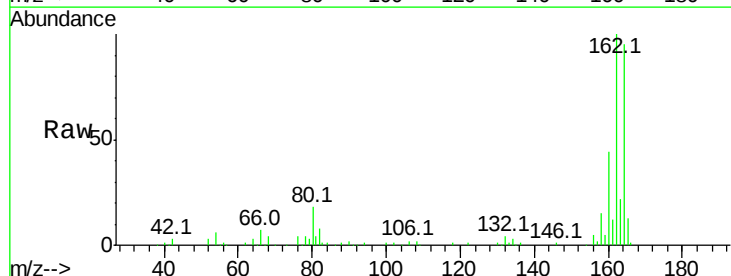
Instrument :
 BNA_F
 ClientSampleId :

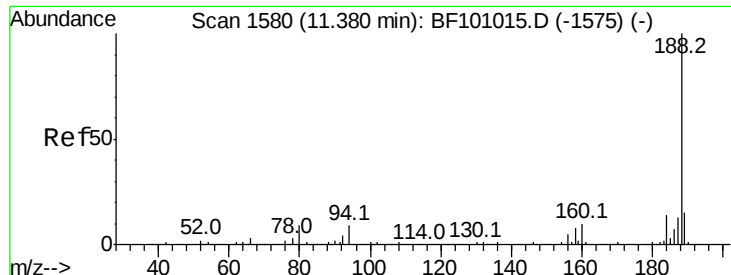
Tot Ion:165 Resp: 10476
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.388 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion:165 Resp: 10476
 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#

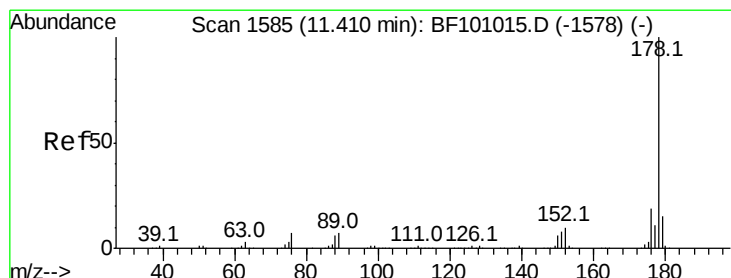
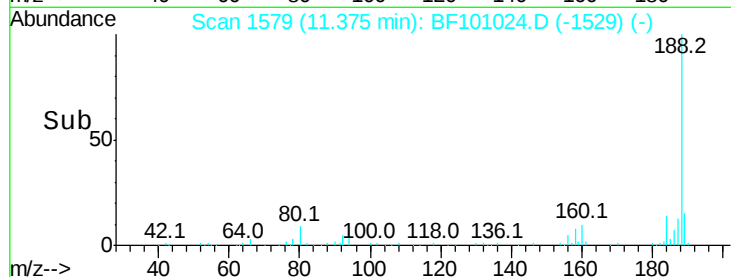
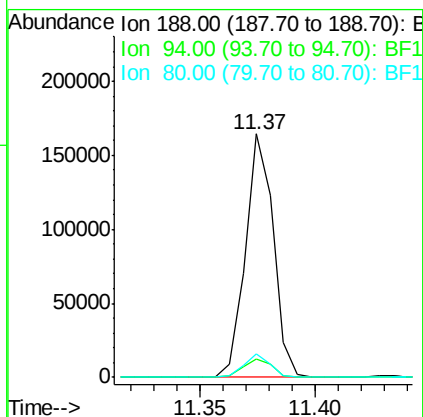
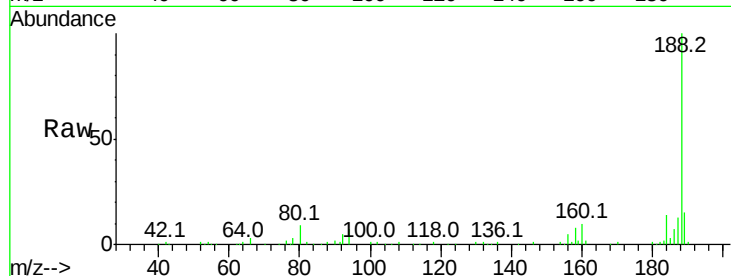




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

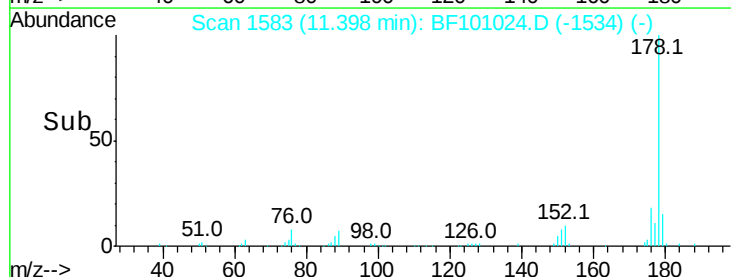
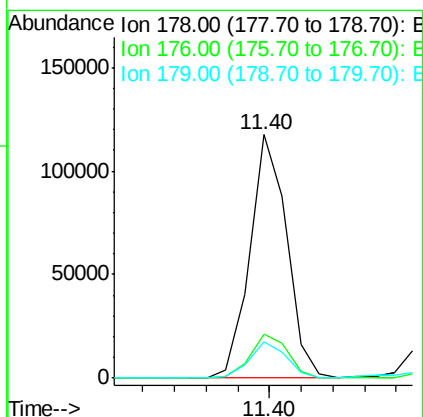
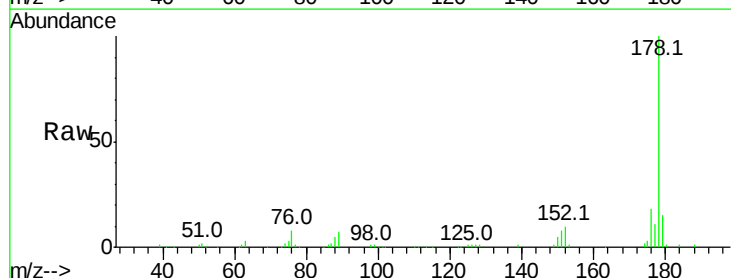
Instrument :
 BNA_F
 ClientSampleId :

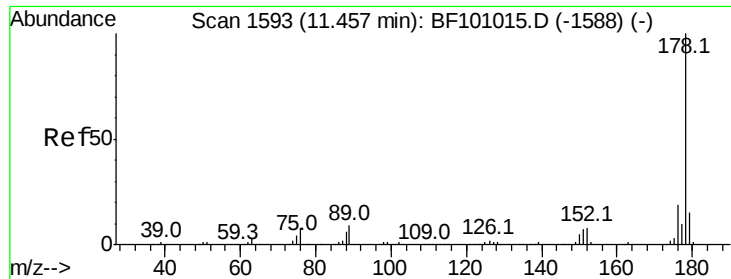
Tot Ion:188 Resp: 138820
 Ion Ratio Lower Upper
 188 100
 94 7.4 8.5 12.7#
 80 9.5 9.2 13.8



#70
 Phenanthrene
 Concen: 12.401 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion:178 Resp: 94800
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.1 13.0 19.6

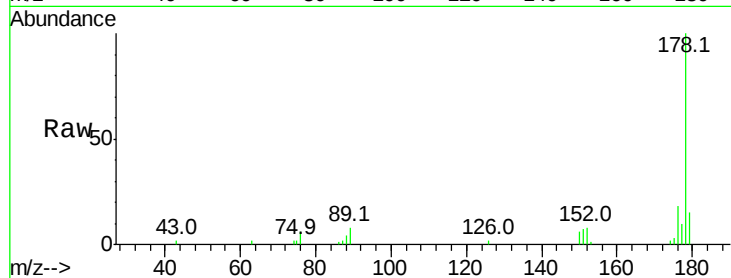




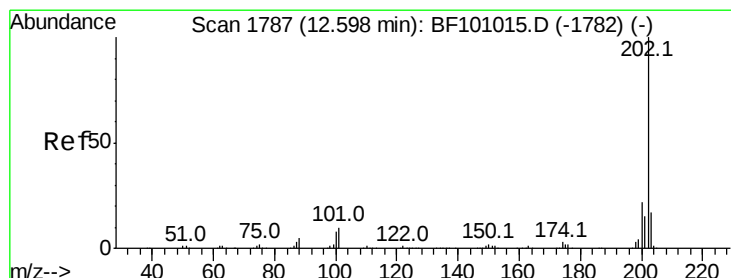
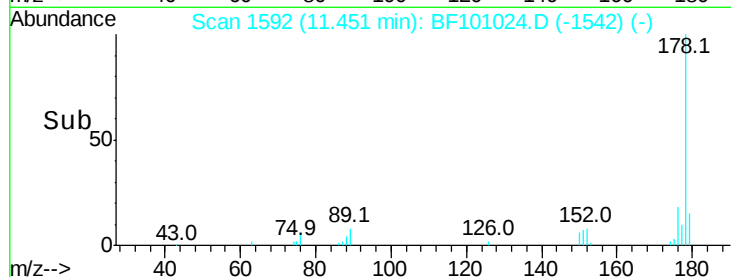
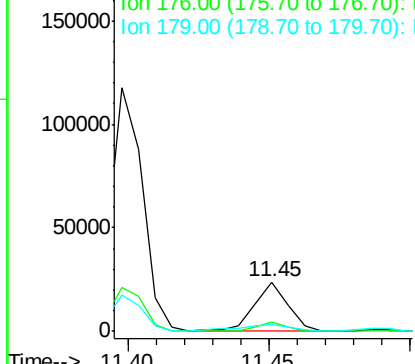
#71
 Anthracene
 Concen: 2.602 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 20130
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.1 12.6 19.0

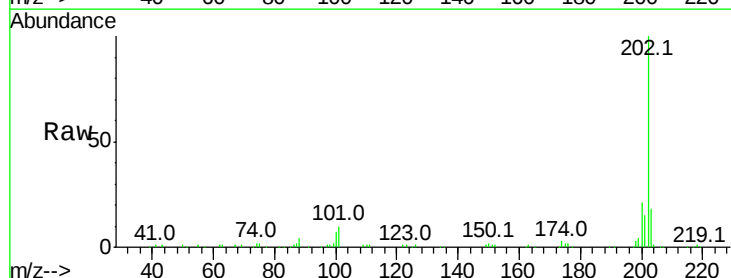


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

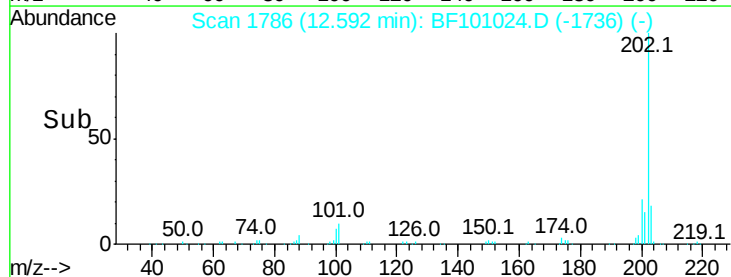
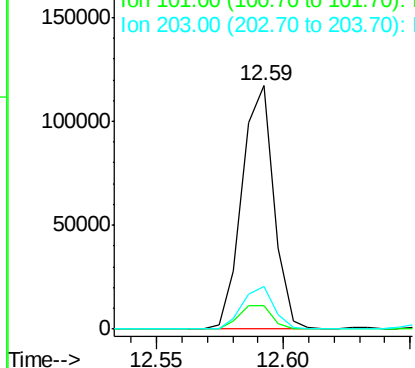


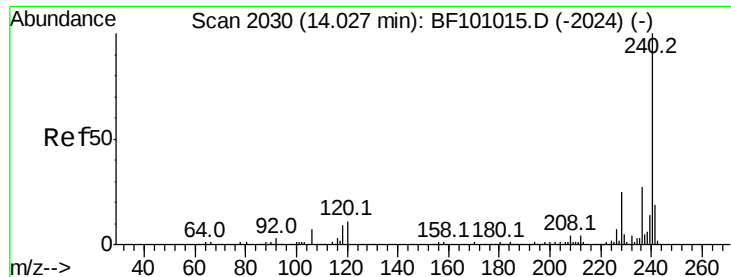
#74
 Fluoranthene
 Concen: 12.128 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion:202 Resp: 102773
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 34.1
 203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

ClientSampleId :

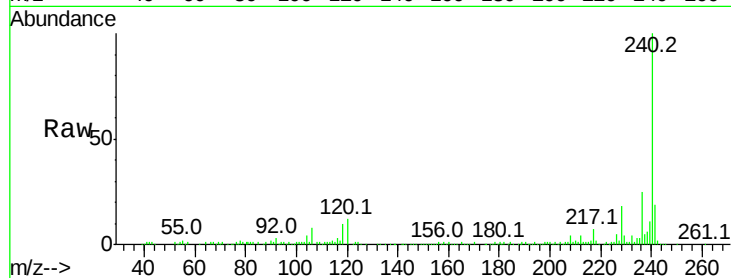
Tot Ion:240 Resp: 115275

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

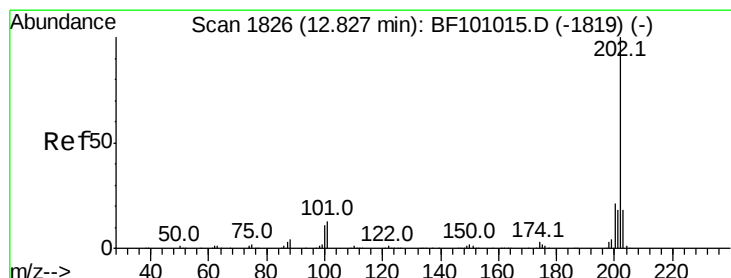
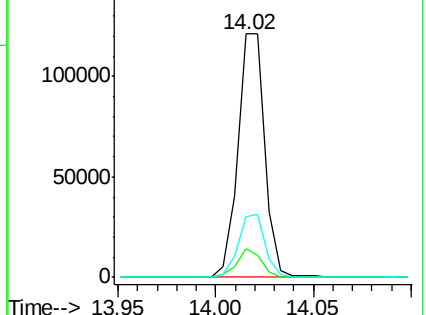
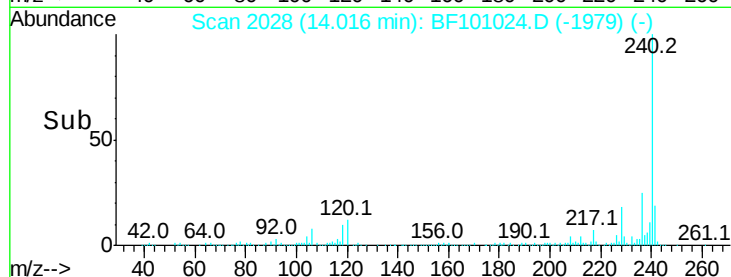
236 25.0 20.7 31.1



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

Pyrene

Concen: 11.338 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

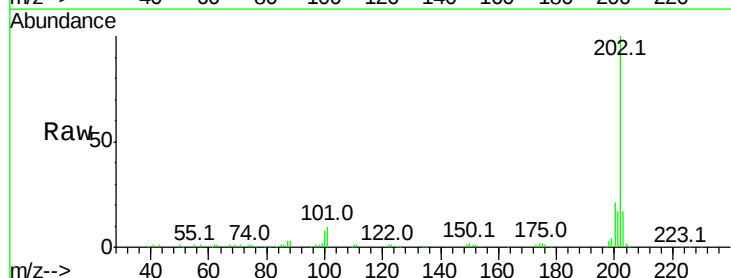
Tgt Ion:202 Resp: 90185

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

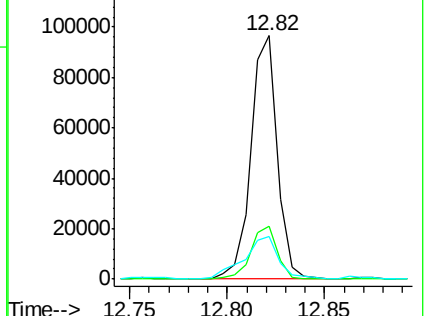
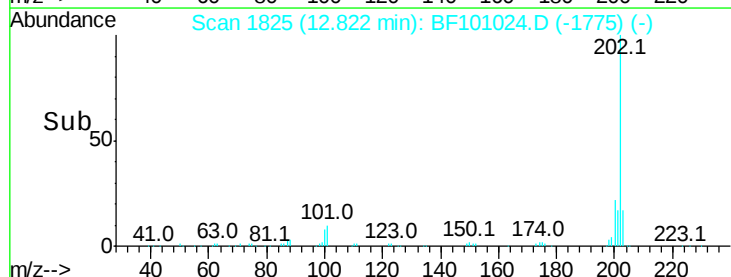
203 17.3 14.3 21.5

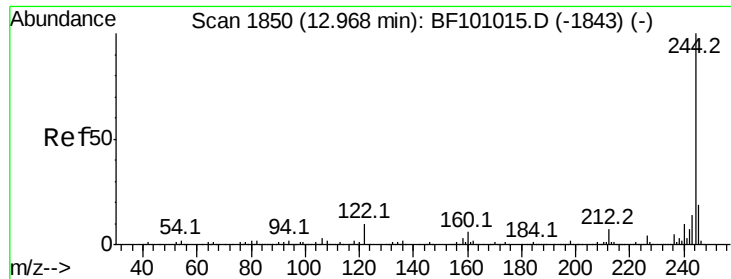


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

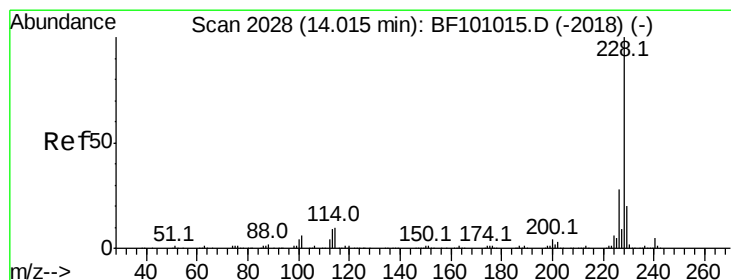
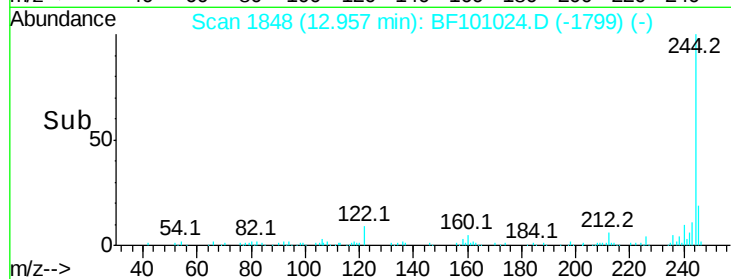
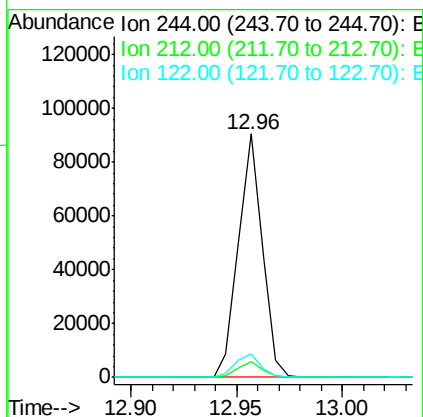
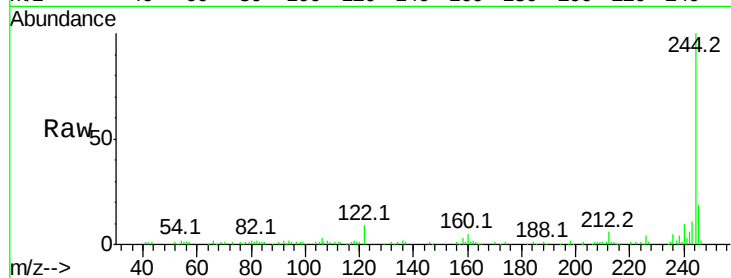




#78
 Terphenyl-d14
 Concen: 13.417 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

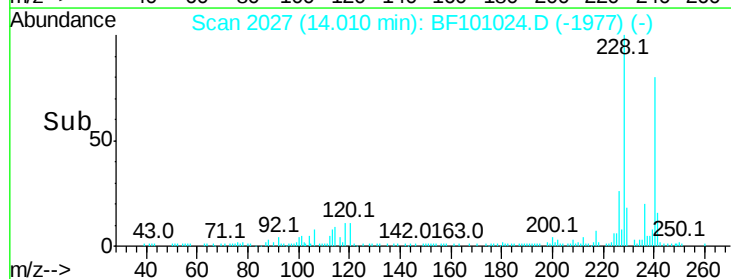
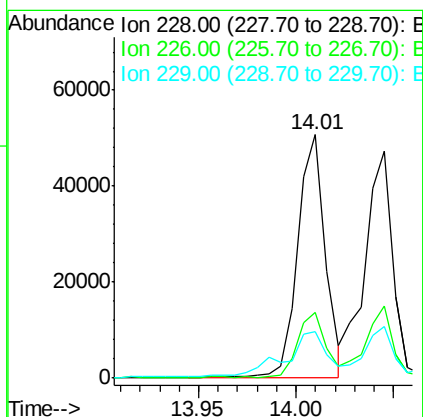
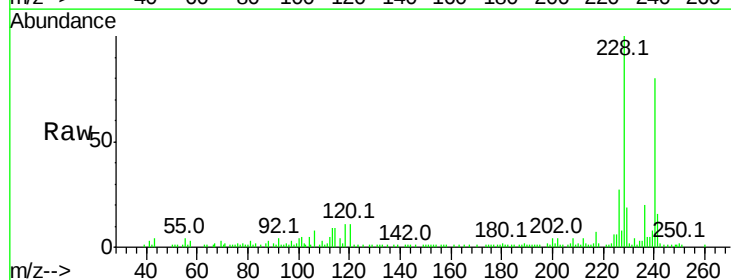
Instrument :
 BNA_F
 ClientSampleId :

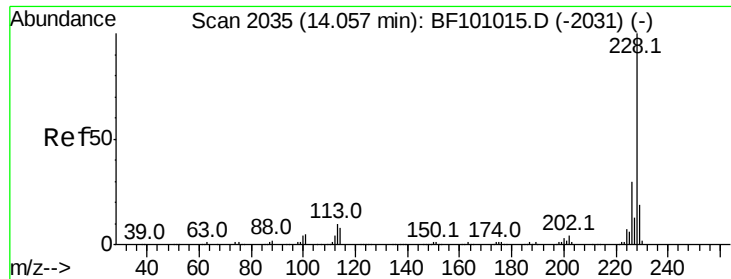
Tot Ion:244 Resp: 70713
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 9.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 6.877 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Tgt Ion:228 Resp: 50053
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.6 33.8
 229 18.9 15.8 23.6

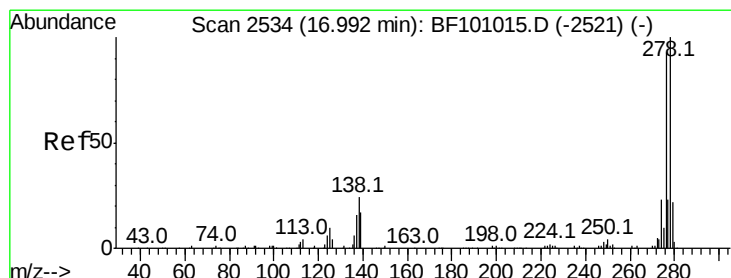
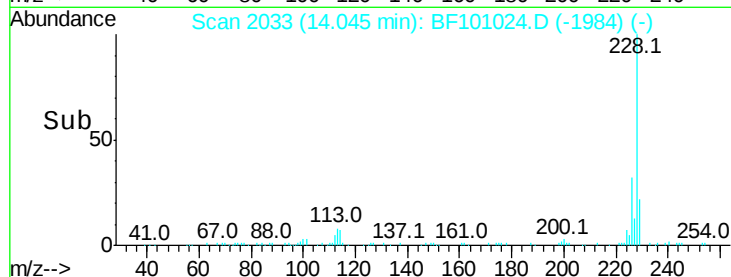
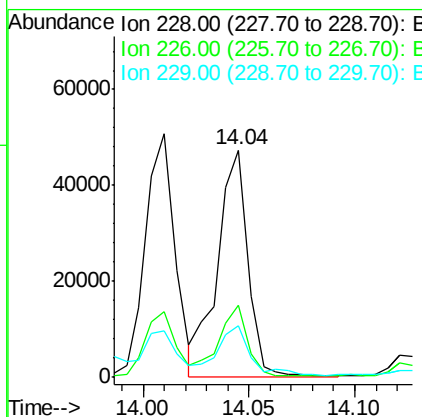
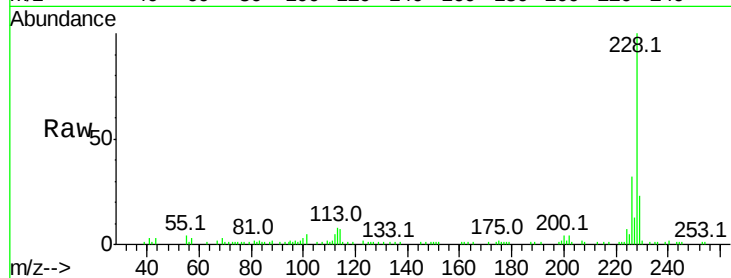




#82
Chrysene
Concen: 6.977 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

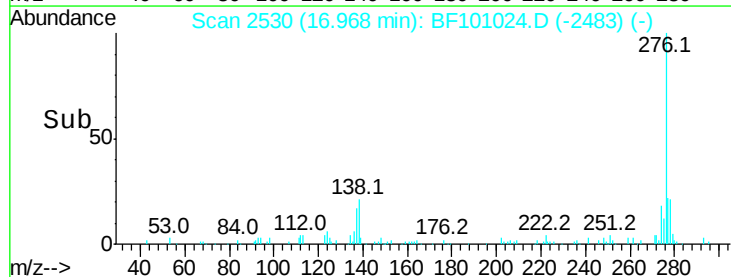
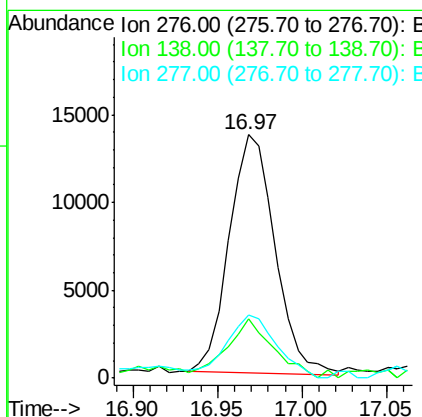
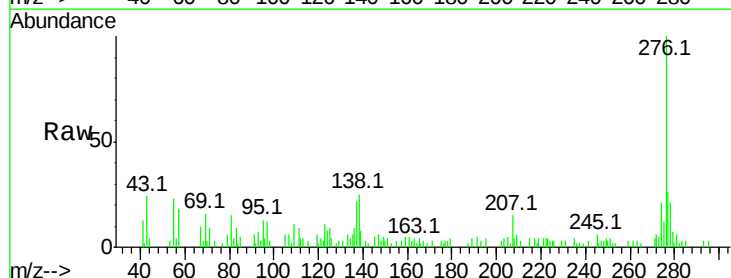
Instrument :
BNA_F
ClientSampleId :

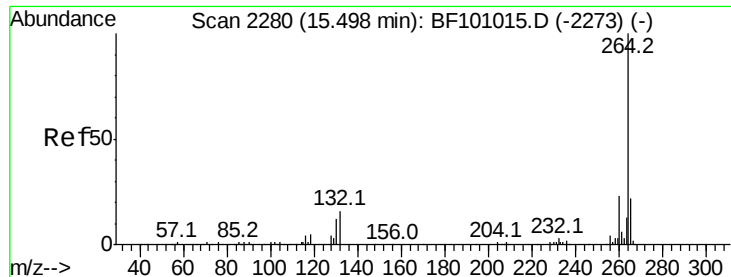
Tot Ion:228 Resp: 47158
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 22.7 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.285 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion:276 Resp: 25752
Ion Ratio Lower Upper
276 100
138 25.5 25.0 37.6
277 29.0 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

Instrument :

BNA_F

ClientSampleId :

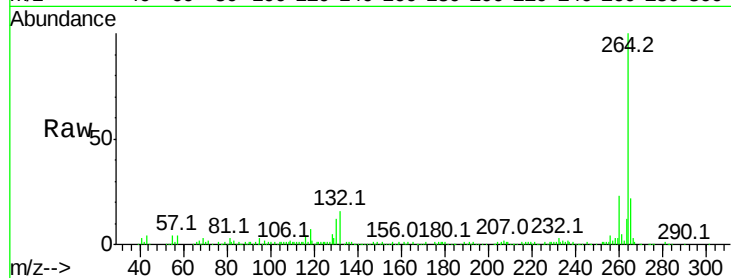
Tot Ion:264 Resp: 134236

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

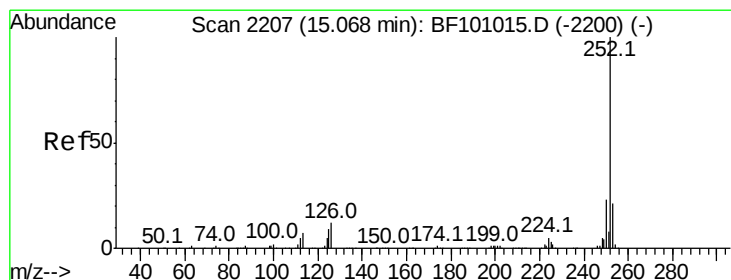
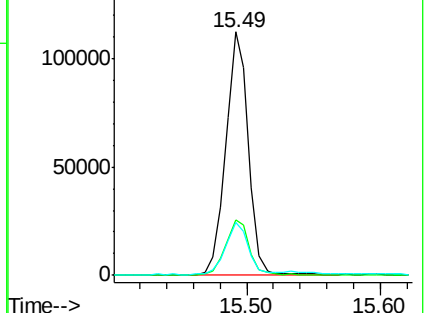
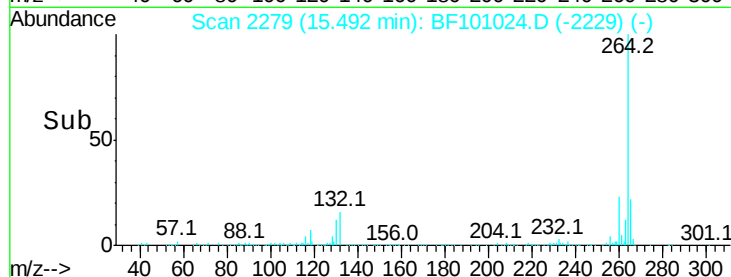
265 21.7 17.5 26.3



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: 10.014 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF101024.D

Acq: 30 Nov 2017 18:24

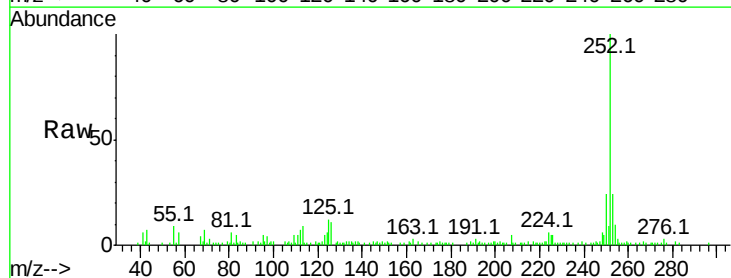
Tgt Ion:252 Resp: 80520

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

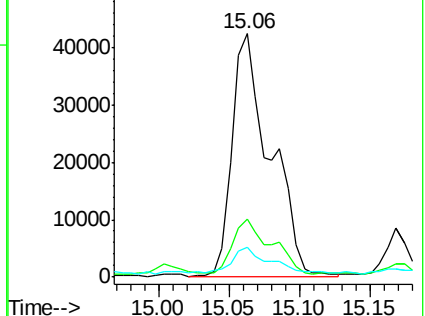
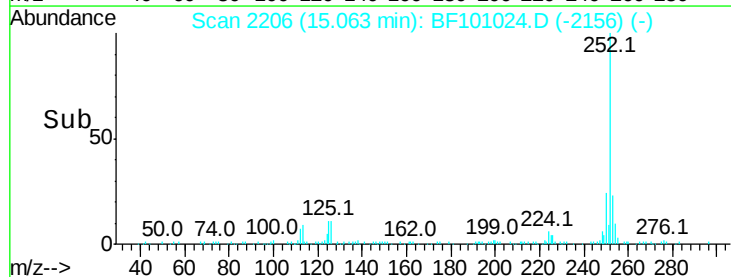
125 12.5 9.0 13.6

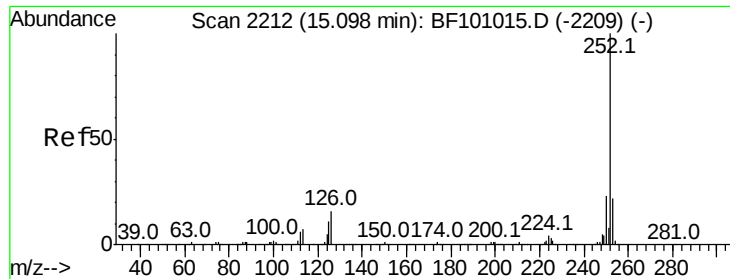


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

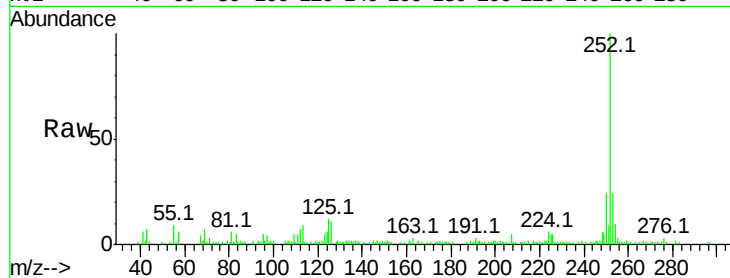




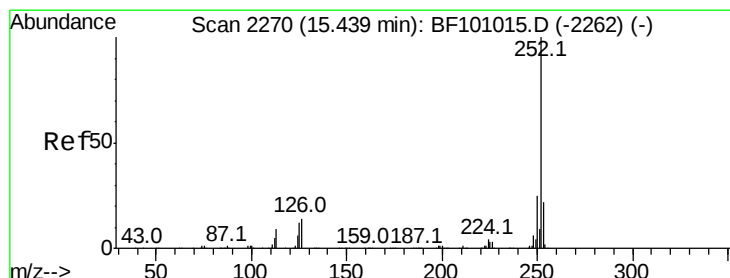
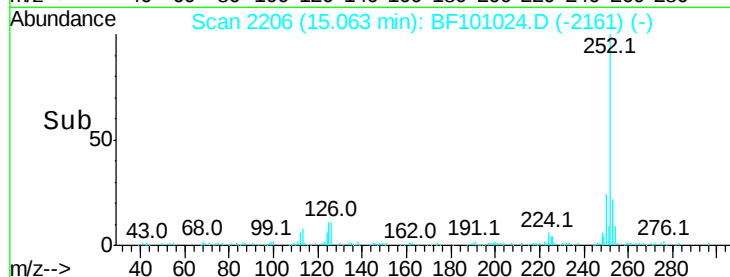
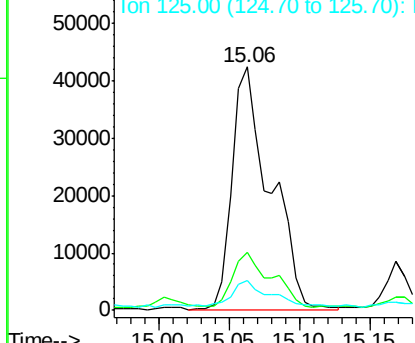
#88
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 80520
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 12.5 10.2 15.2

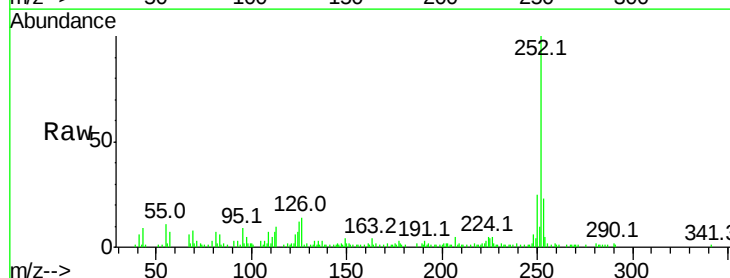


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

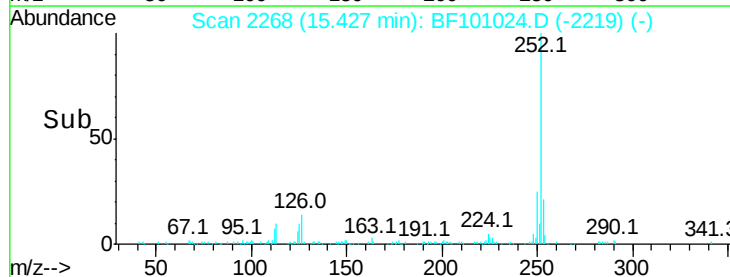
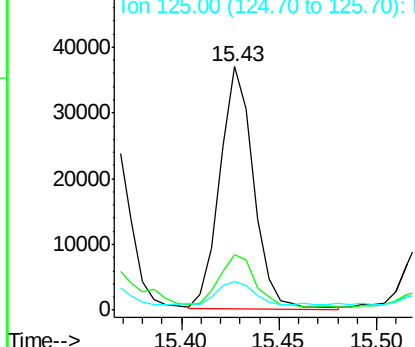


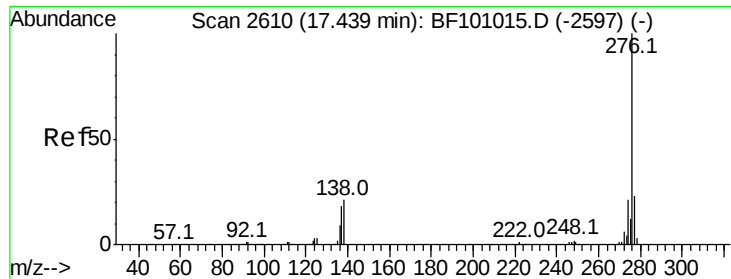
#89
Benzo(a)pyrene
Concen: 6.017 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101024.D
Acq: 30 Nov 2017 18:24

Tgt Ion:252 Resp: 43981
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.9 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

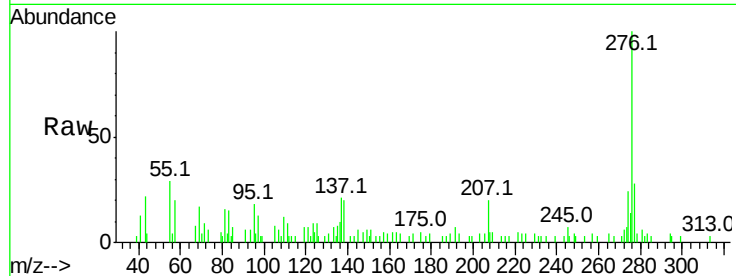




#91
 Benzo(a,h,i)perylene
 Concen: 4.131 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF101024.D
 Acq: 30 Nov 2017 18:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	19.5	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

