

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101031.D
 Acq On : 30 Nov 2017 21:31
 Operator : SJ/JU
 Sample : I6610-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 00:37:44 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	55360	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	214129	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89663	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	133932	20.00	ng	0.00
75) Chrysene-d12	14.02	240	122847	20.00	ng	0.00
86) Perylene-d12	15.50	264	90828	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	72463	21.63	ng	0.00
7) Phenol-d6	6.47	99	88755	21.82	ng	-0.01
23) Nitrobenzene-d5	7.41	82	51932	14.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	17582	16.32	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	114256	17.43	ng	0.00
78) Terphenyl-d14	12.96	244	75463	13.44	ng	-0.01

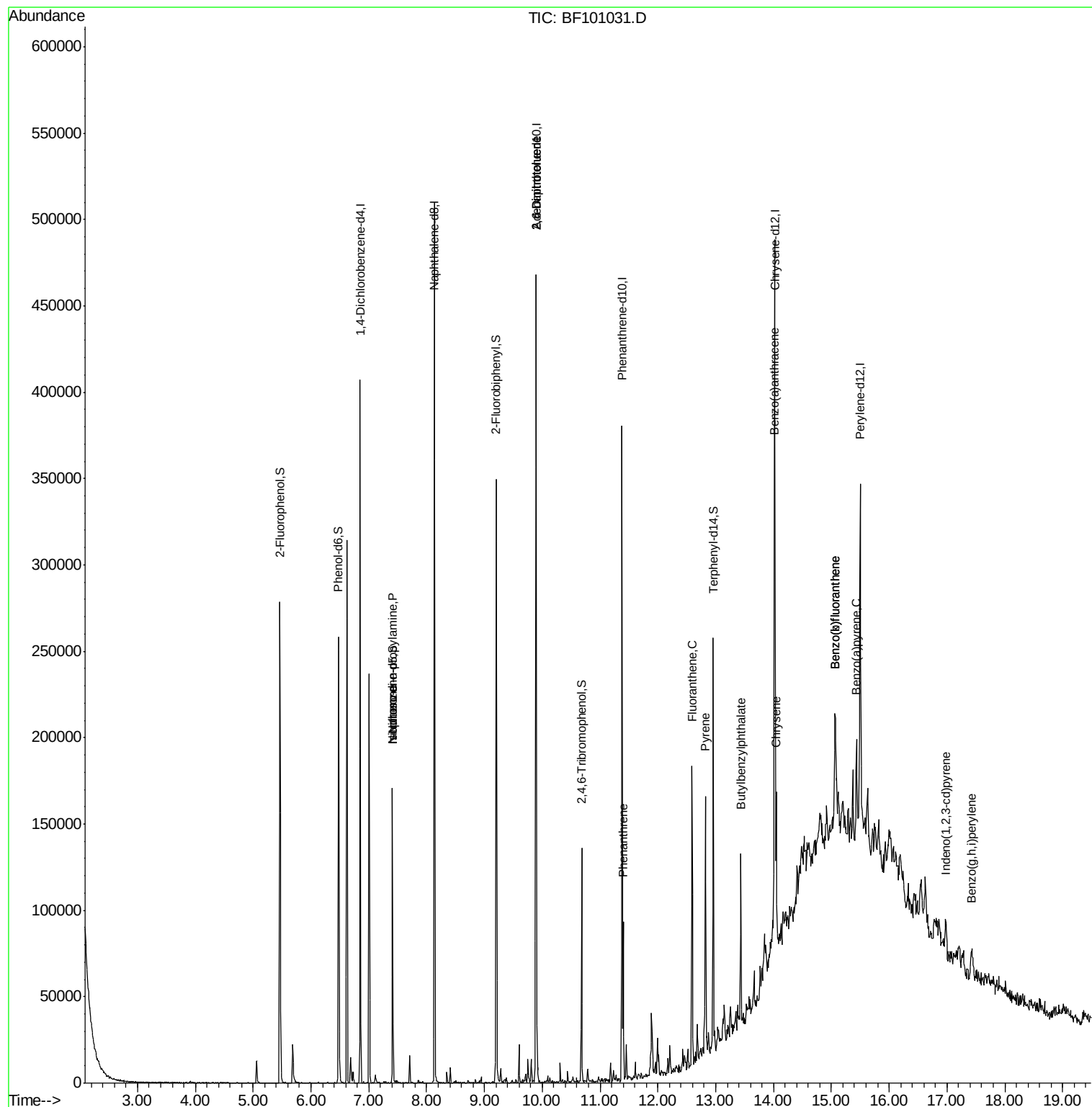
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	6488	2.369	ng	# 85
25) Isophorone	7.41	82	51932	8.470	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	11015	7.232	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	11015	5.397	ng	# 21
70) Phenanthrene	11.40	178	36147	4.901	ng	94
74) Fluoranthene	12.59	202	63115	7.720	ng	95
77) Pyrene	12.82	202	58207	6.867	ng	99
79) Butylbenzylphthalate	13.43	149	20162	5.395	ng	92
80) Benzo(a)anthracene	14.01	228	33735	4.349	ng	100
82) Chrysene	14.04	228	31501	4.373	ng	95
85) Indeno(1,2,3-cd)pyrene	16.98	276	13072	2.041	ng	# 93
87) Benzo(b)fluoranthene	15.07	252	44673	8.211	ng	# 91
88) Benzo(k)fluoranthene	15.07	252	44673	8.335	ng	# 94
89) Benzo(a)pyrene	15.43	252	20558	4.157	ng	93
91) Benzo(a,h,i)perylene	17.43	276	13696	3.333	ng	# 92

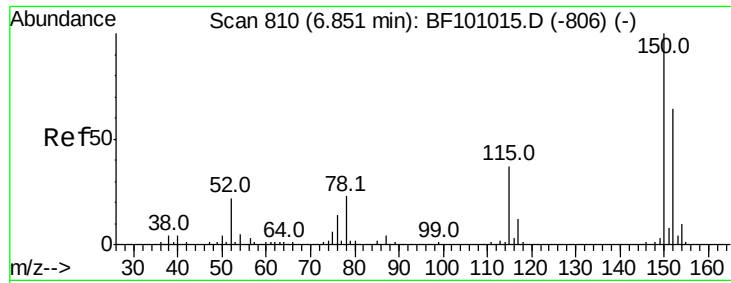
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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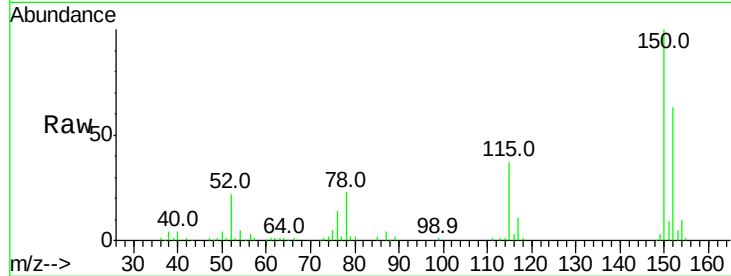


#1

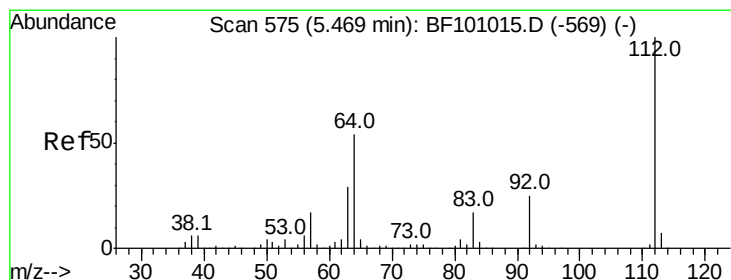
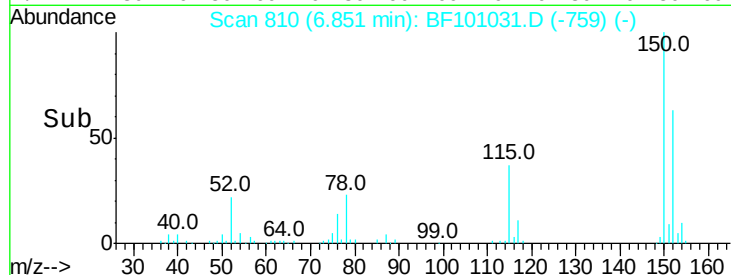
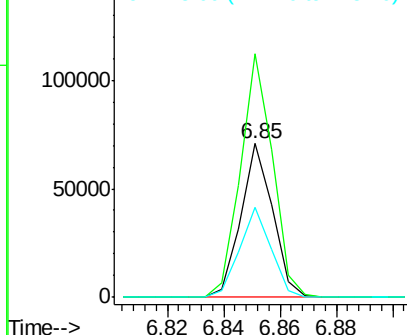
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 55360
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 58.6 50.1 75.1



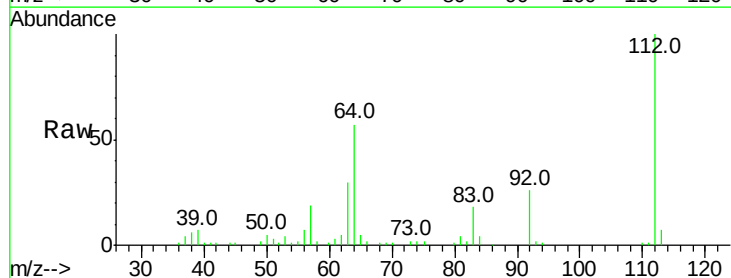
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



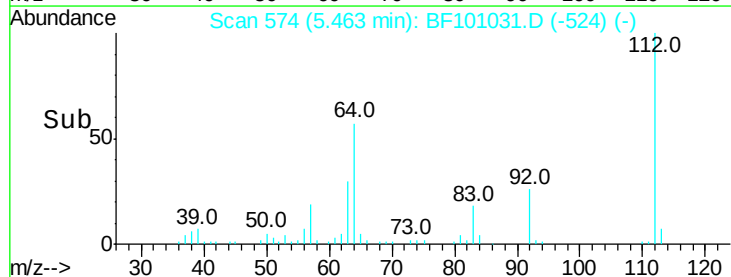
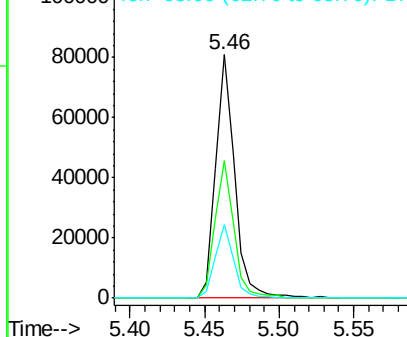
#5

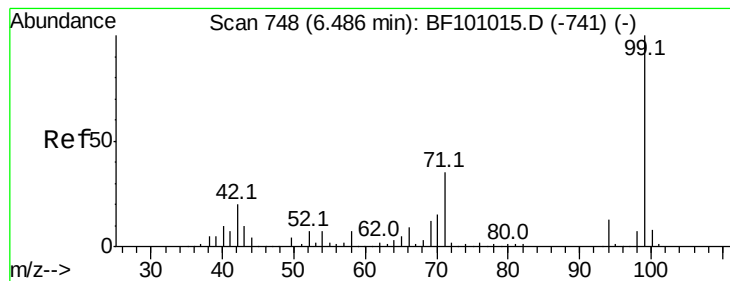
2-Fluorophenol
Concen: 21.630 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

Tgt Ion:112 Resp: 72463
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 30.3 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: 21.821 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampleId :

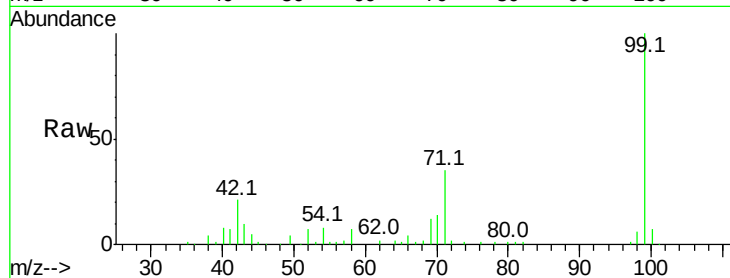
Tot Ion: 99 Resp: 88755

Ion Ratio Lower Upper

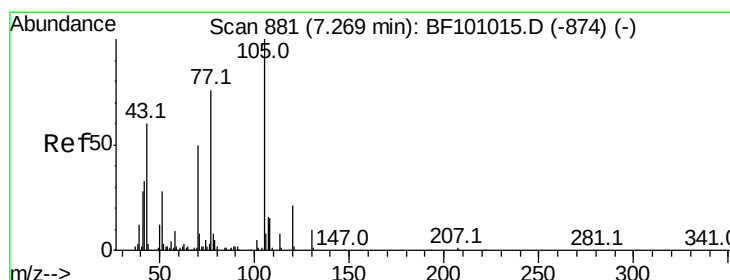
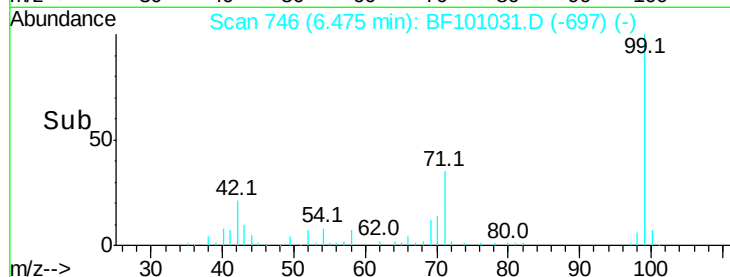
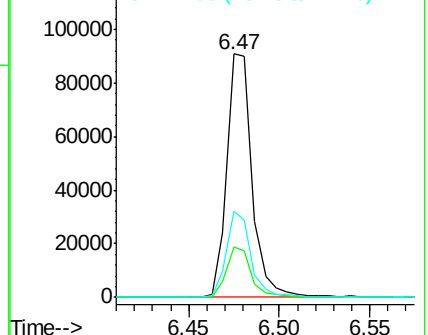
99 100

42 20.6 14.5 21.7

71 35.3 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: 2.369 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Tgt Ion: 70 Resp: 6488

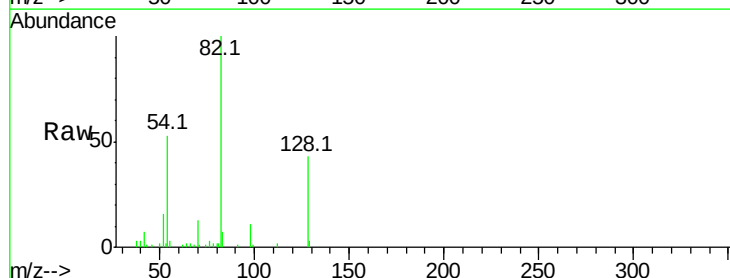
Ion Ratio Lower Upper

70 100

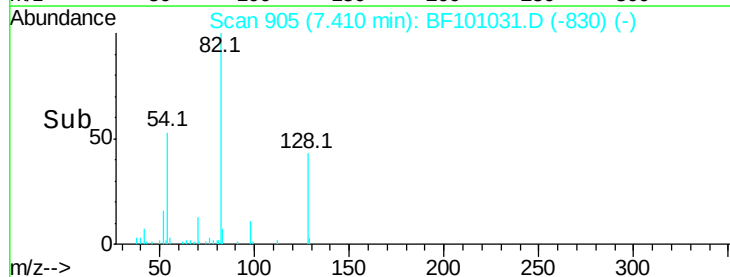
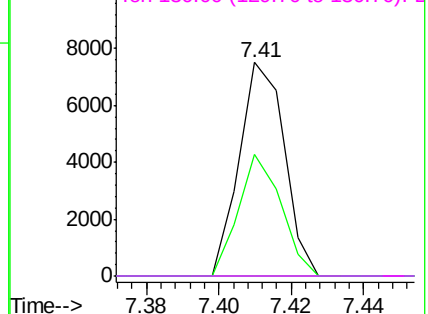
42 57.2 47.5 71.3

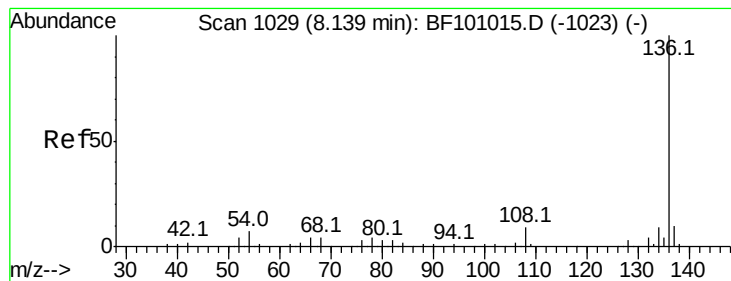
101 0.0 7.4 11.2#

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: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 214129

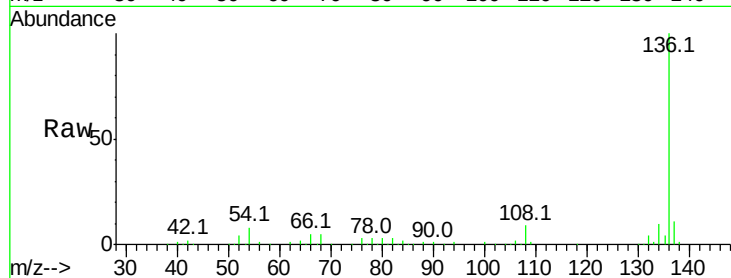
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.7 6.6 9.8

68 5.0 5.0 7.4

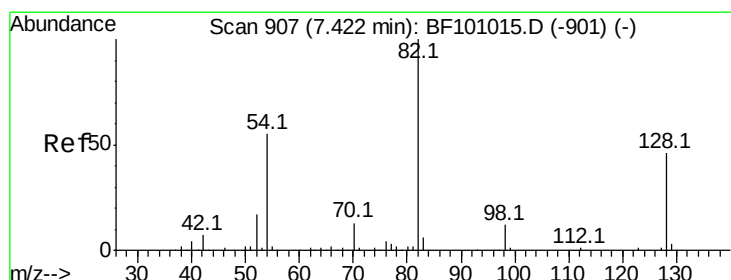
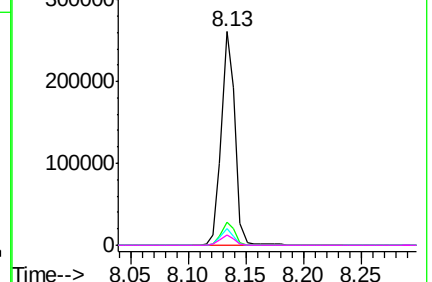
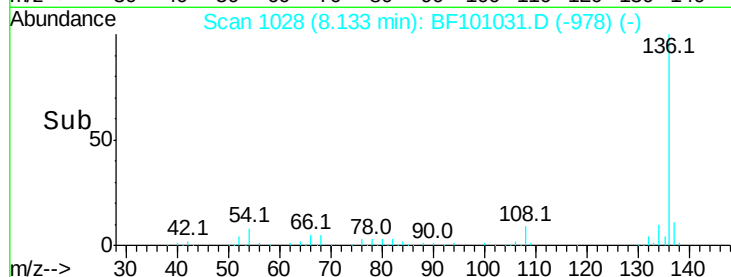


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.467 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

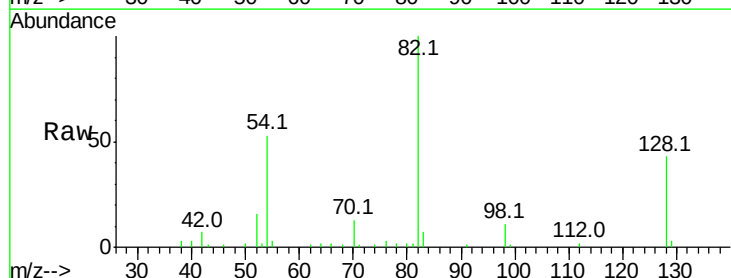
Tgt Ion: 82 Resp: 51932

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

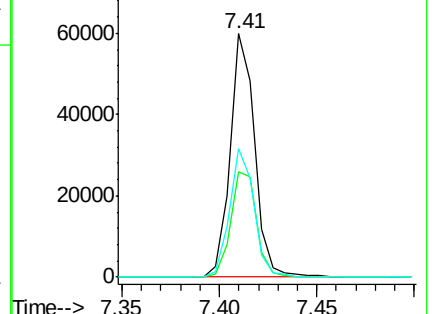
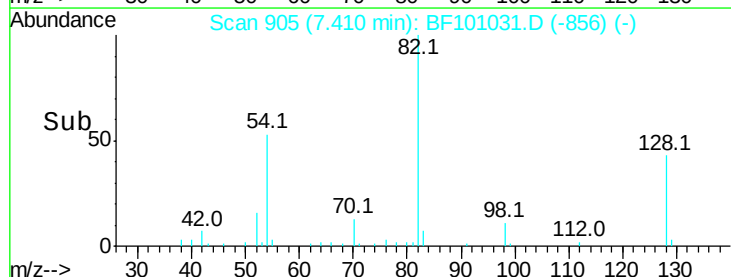
54 52.7 41.4 62.2

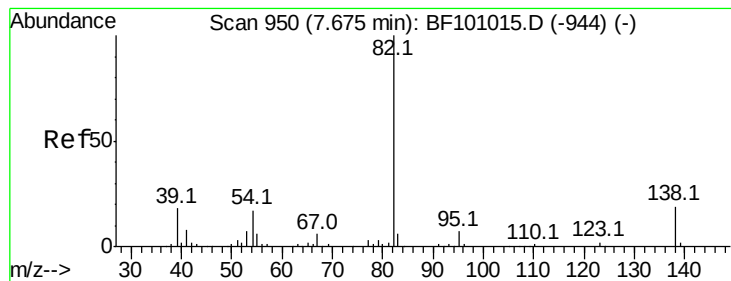


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.470 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampleId :

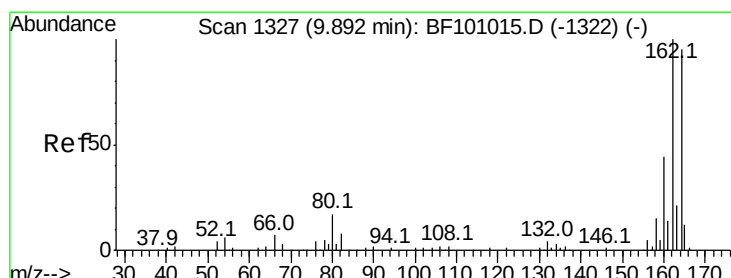
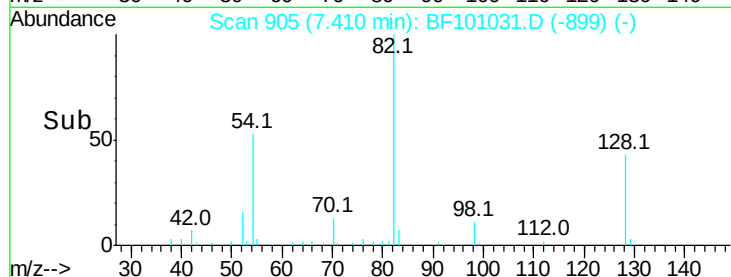
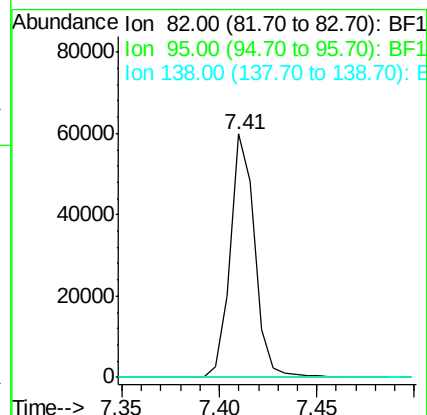
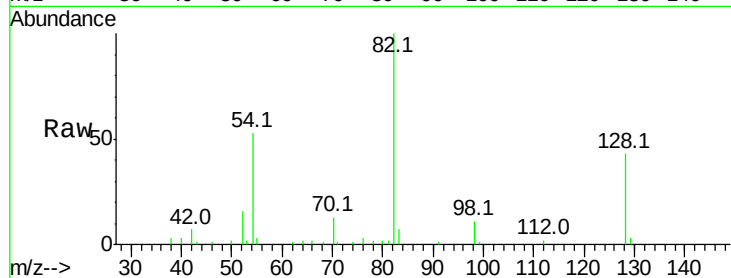
Tot Ion: 82 Resp: 51932

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

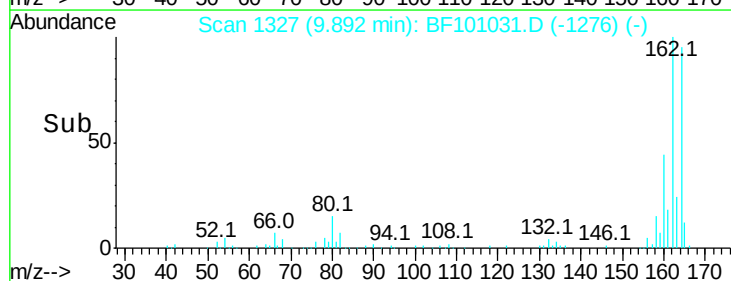
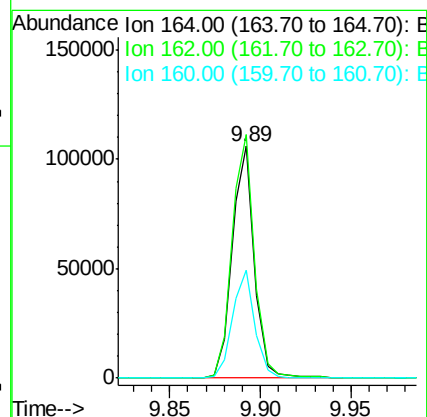
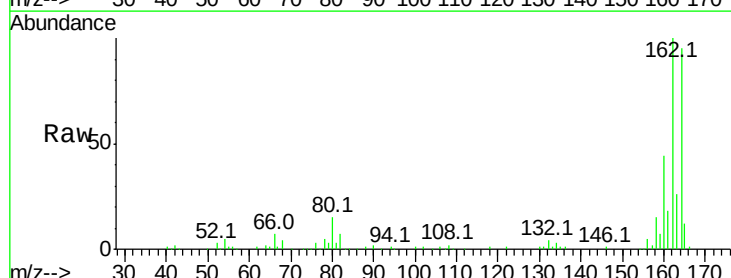
Tgt Ion:164 Resp: 89663

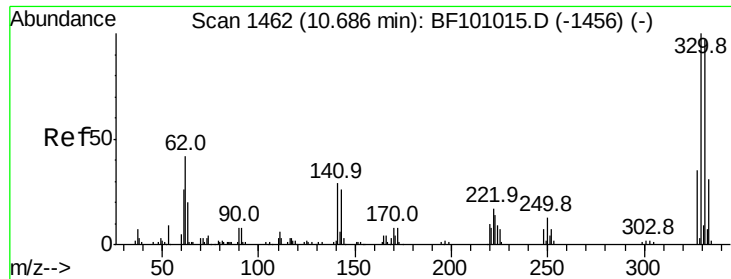
Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

160 46.5 38.3 57.5

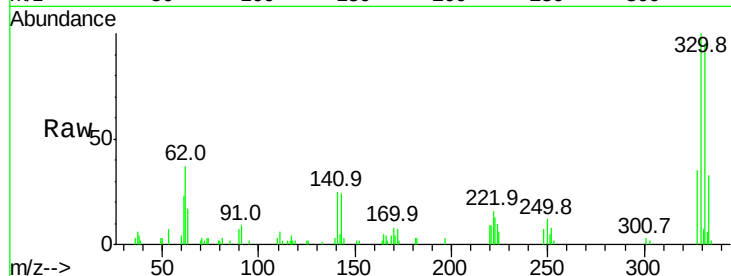




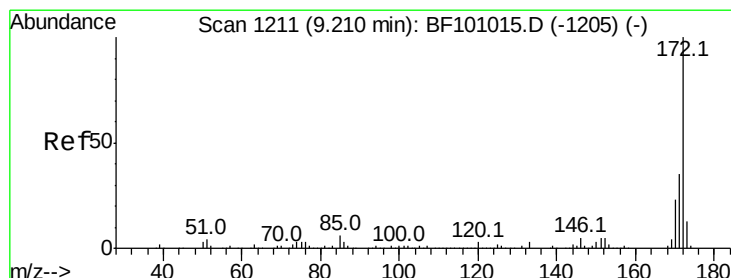
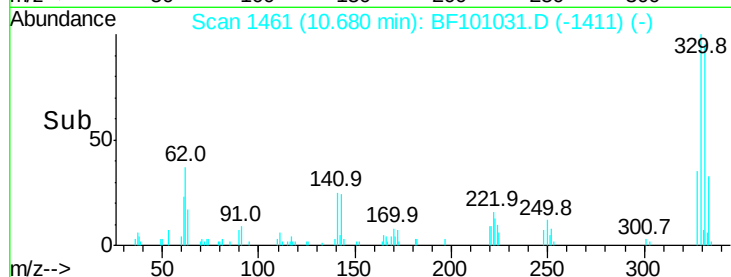
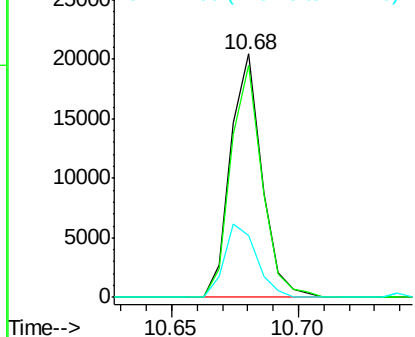
#41
 2,4,6-Tribromophenol
 Concen: 16.323 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17582
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 30.8 29.9 44.9

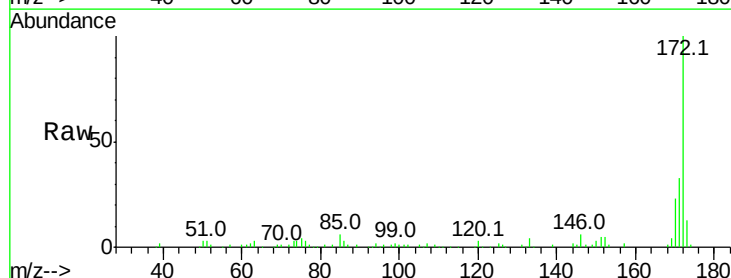


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

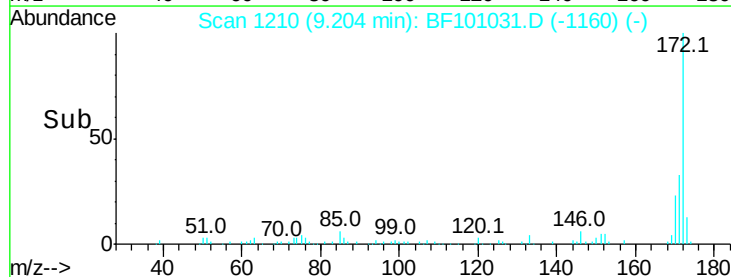
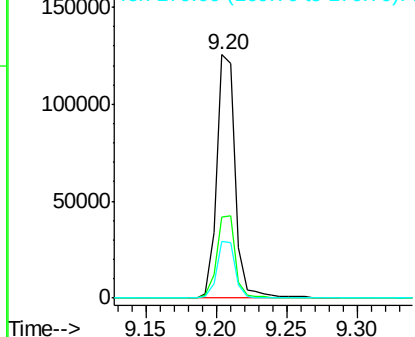


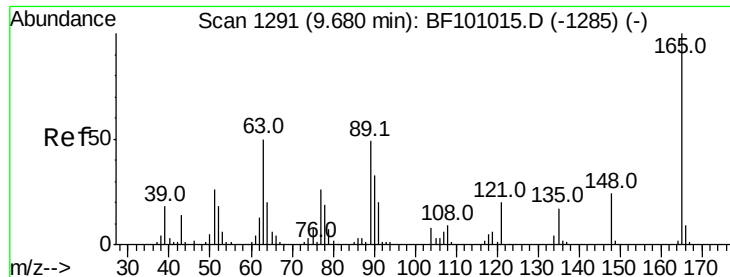
#44
 2-Fluorobiphenyl
 Concen: 17.435 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

Tgt Ion:172 Resp: 114256
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.7 44.5
 170 23.3 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

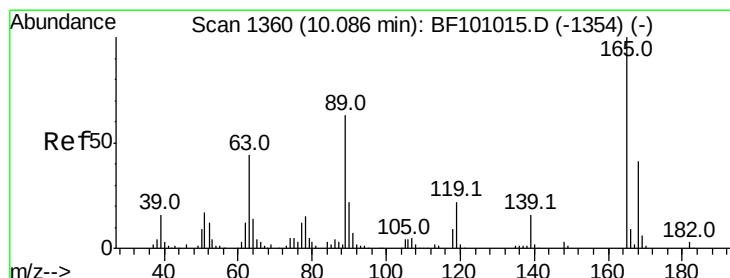
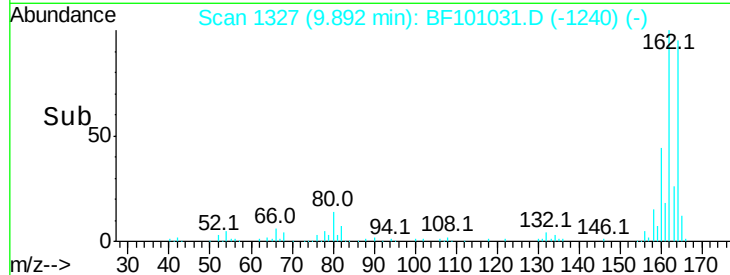
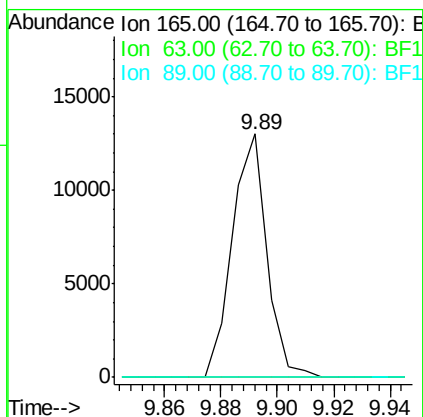
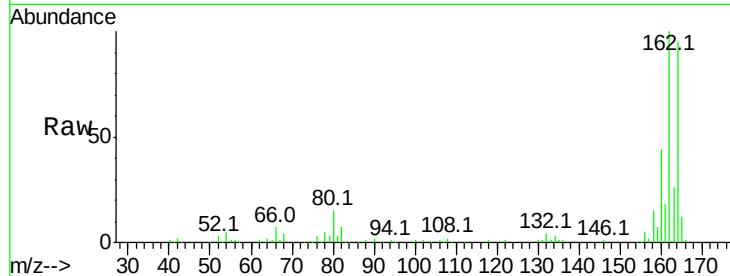




#50
 2,6-Dinitrotoluene
 Concen: 7.232 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

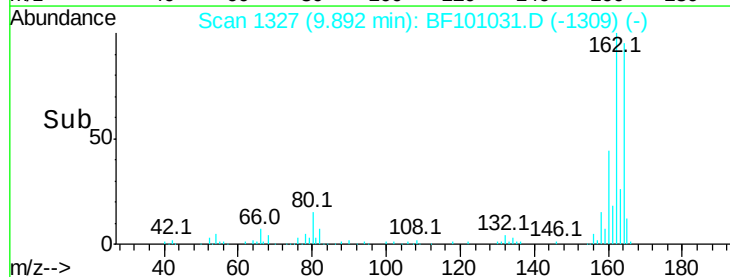
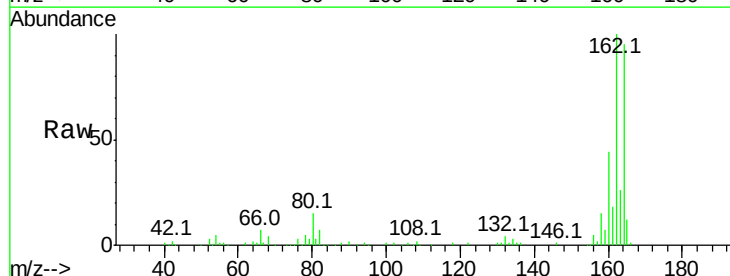
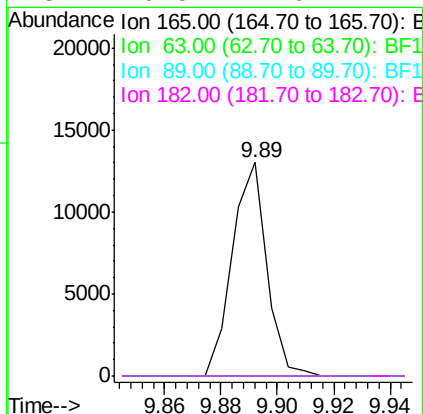
Instrument :
 BNA_F
 ClientSampleId :

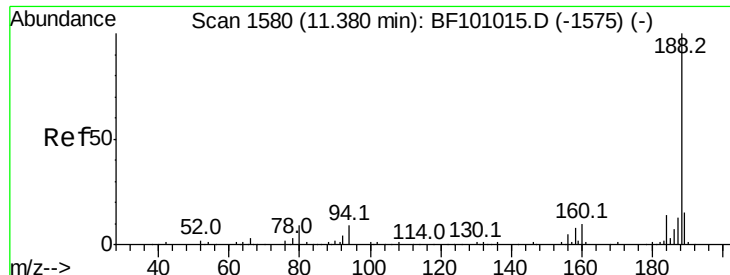
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.397 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

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: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampleId :

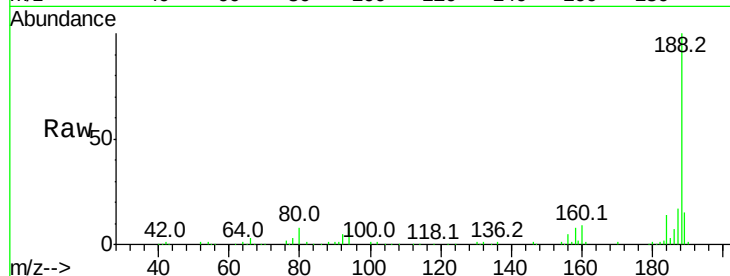
Tot Ion:188 Resp: 133932

Ion Ratio Lower Upper

188 100

94 7.5 8.5 12.7#

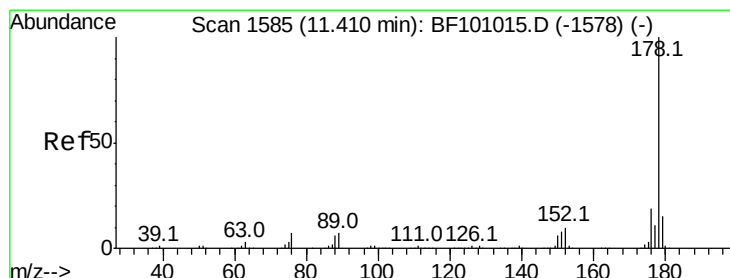
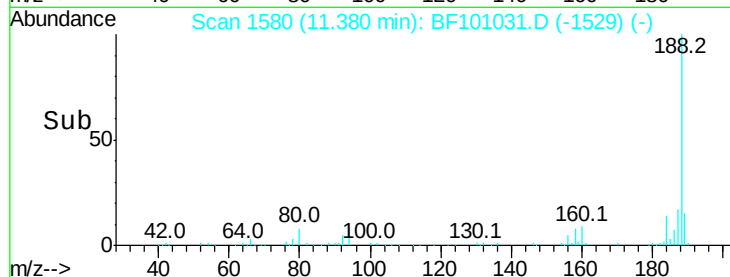
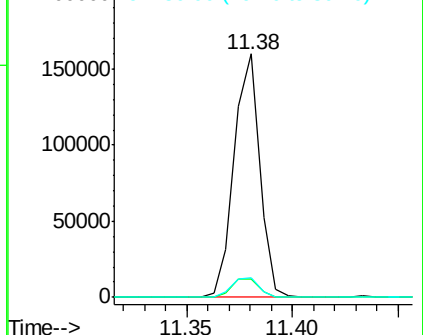
80 8.0 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 4.901 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

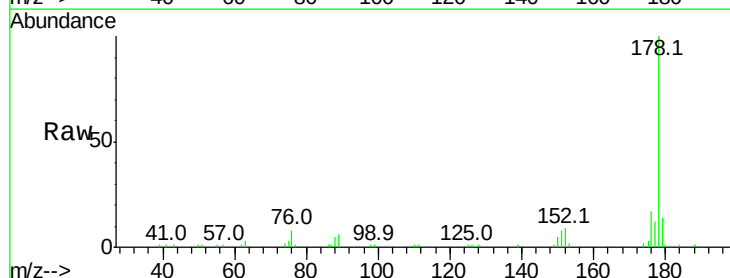
Tgt Ion:178 Resp: 36147

Ion Ratio Lower Upper

178 100

176 17.1 15.8 23.8

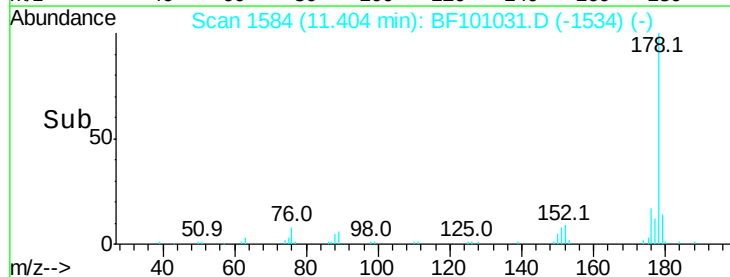
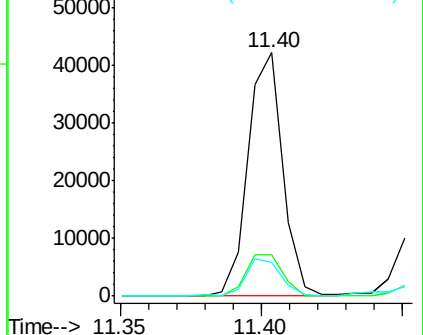
179 14.0 13.0 19.6

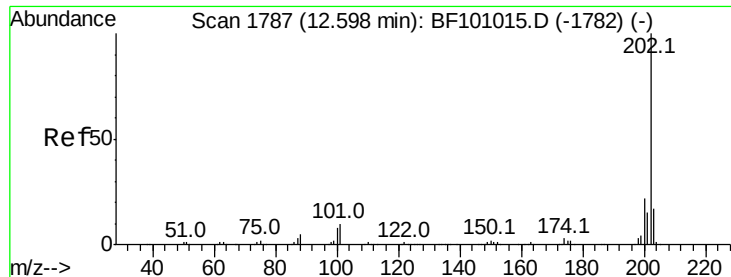


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.720 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampled :

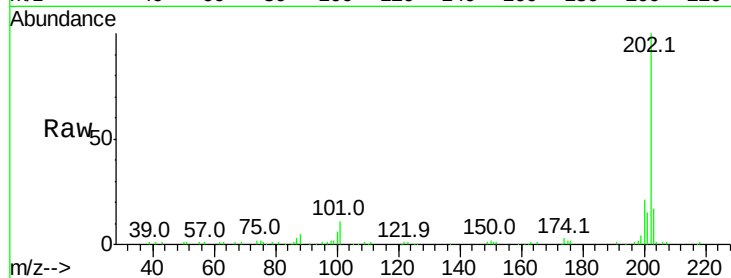
Tot Ion:202 Resp: 63115

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

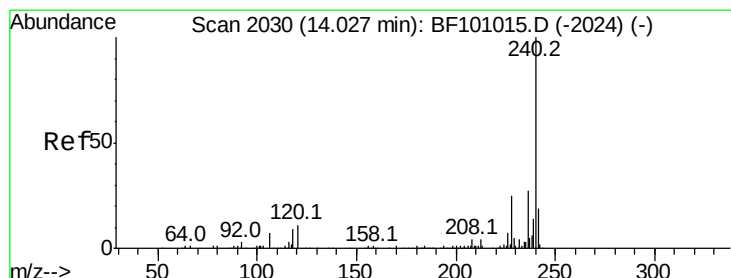
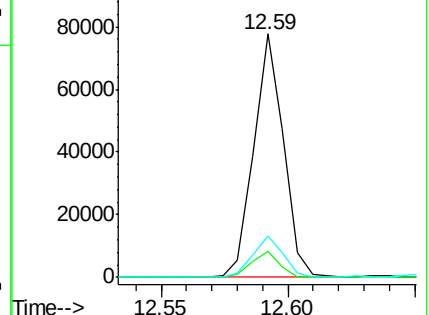
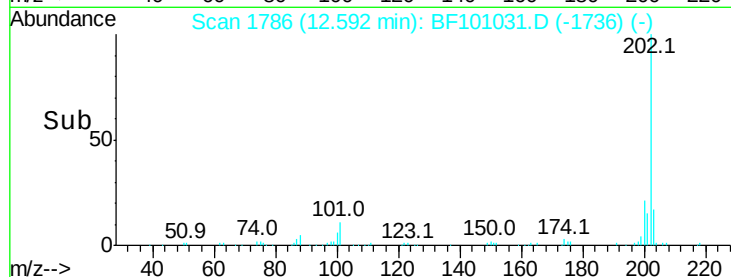
203 17.2 0.0 38.1



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# 2029

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

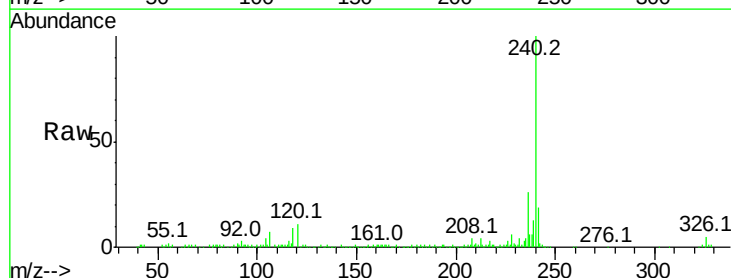
Tgt Ion:240 Resp: 122847

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

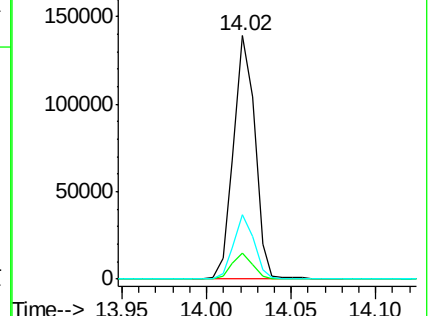
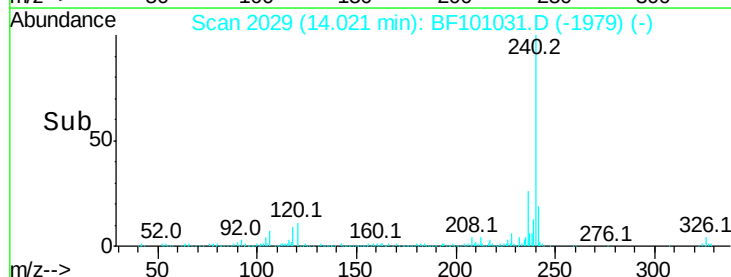
236 26.4 20.7 31.1

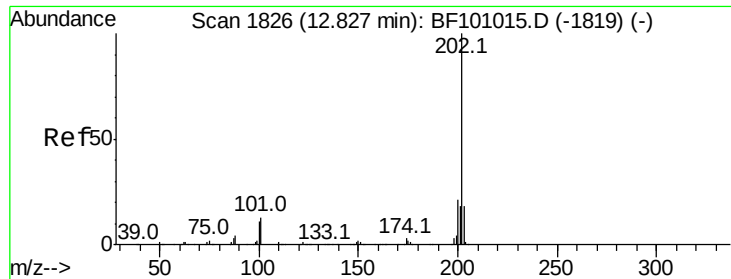


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

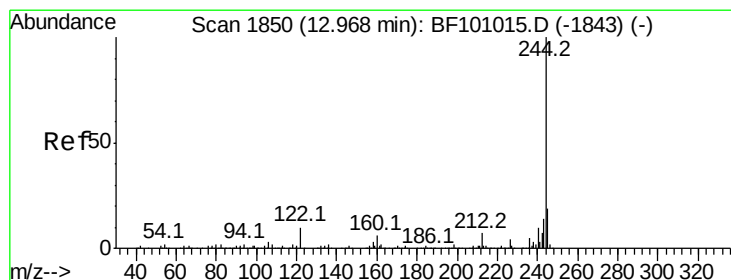
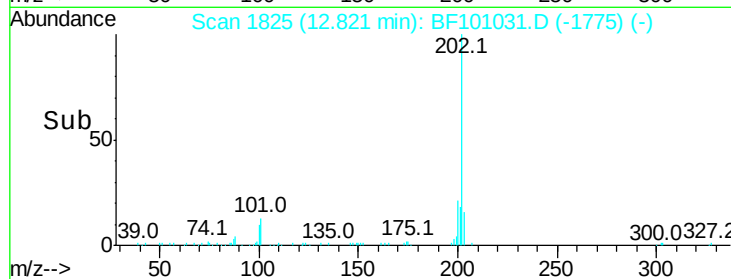
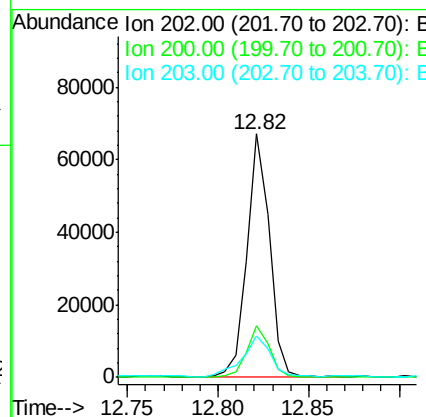
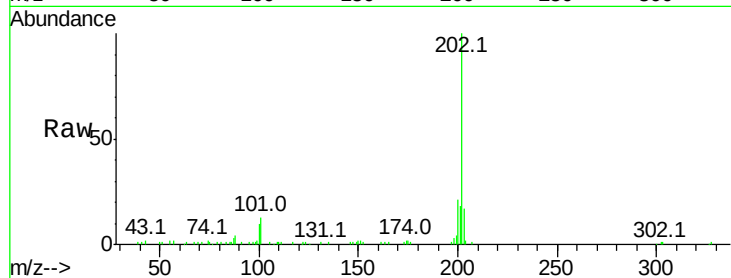




#77
 Pvrene
 Concen: 6.867 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

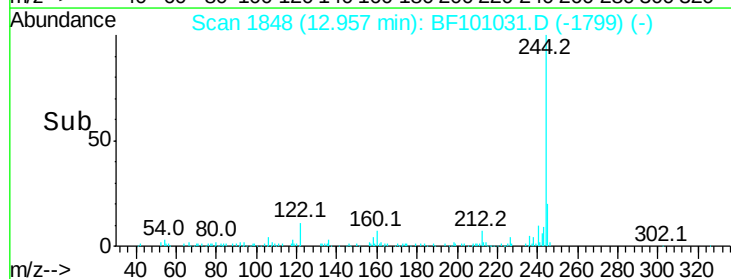
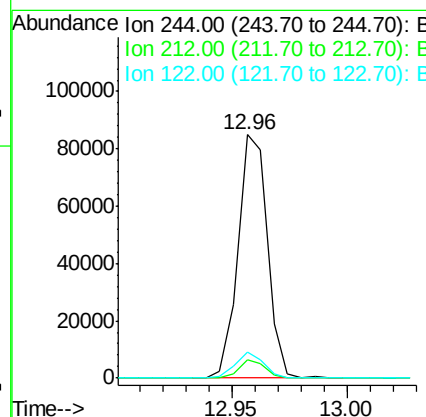
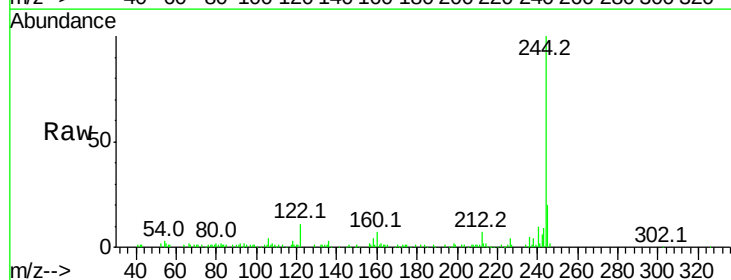
Instrument :
 BNA_F
 ClientSampleId :

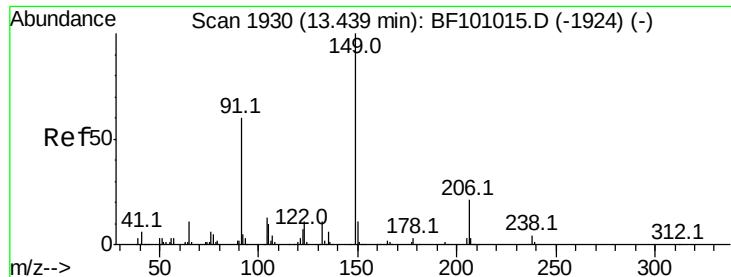
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.1	14.3	21.5



#78
 Terphenyl-d14
 Concen: 13.436 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	10.7	11.0	16.4

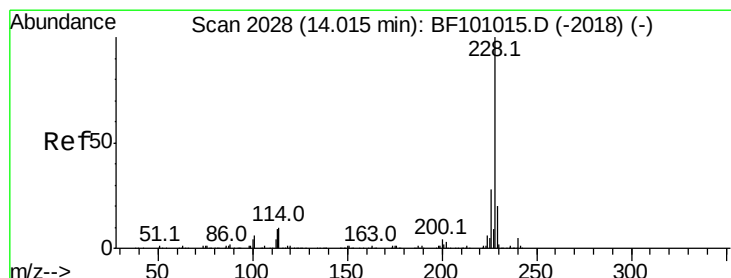
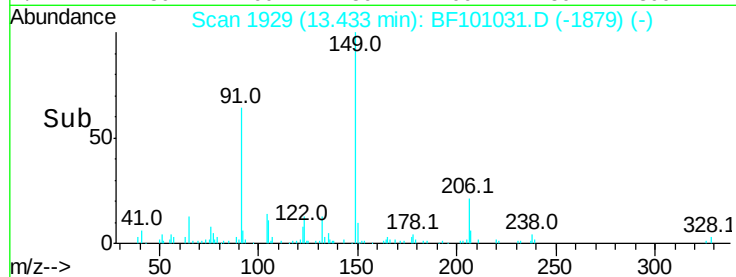
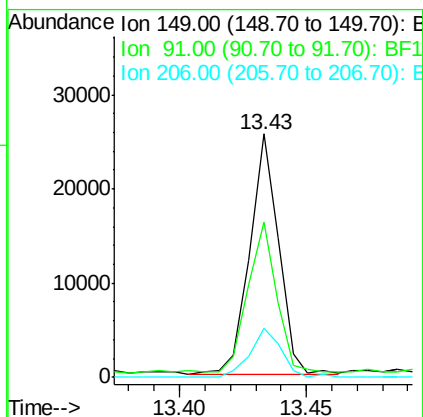
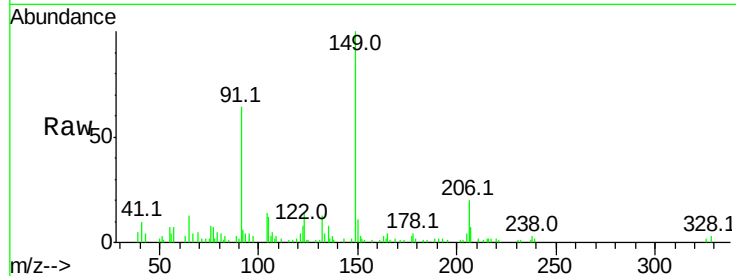




#79
Butylbenzylphthalate
Concen: 5.395 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

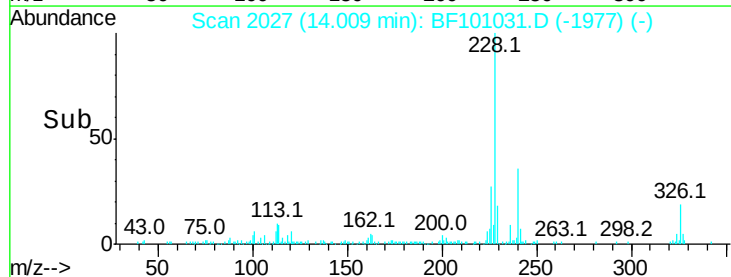
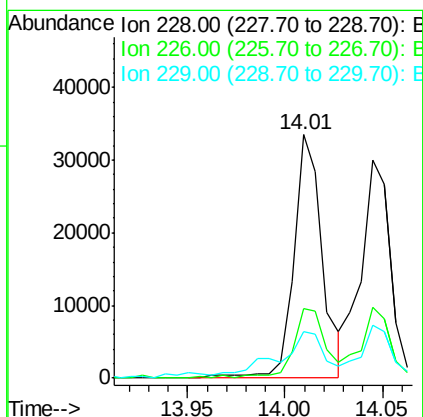
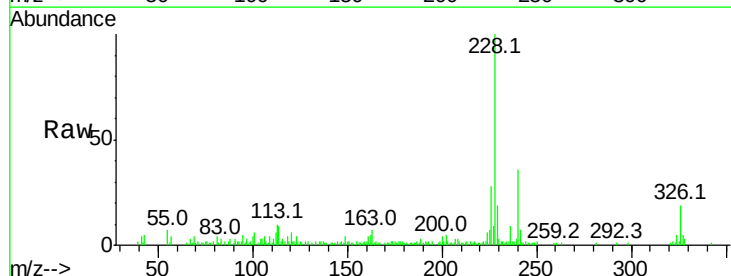
Instrument :
BNA_F
ClientSampleId :

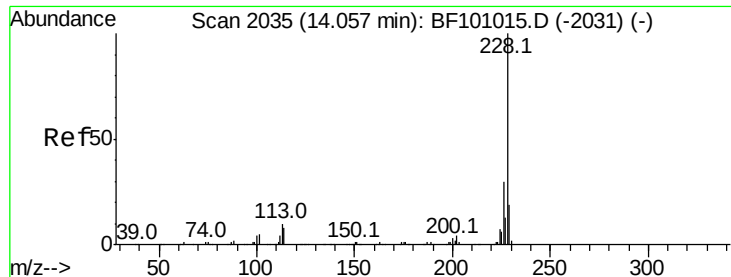
Tot Ion	Ratio	Lower	Upper
149	100		
91	64.0	56.8	85.2
206	20.0	14.1	21.1



#80
Benzo(a)anthracene
Concen: 4.349 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.3	15.8	23.6





#82

Chrysene

Concen: 4.373 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampled :

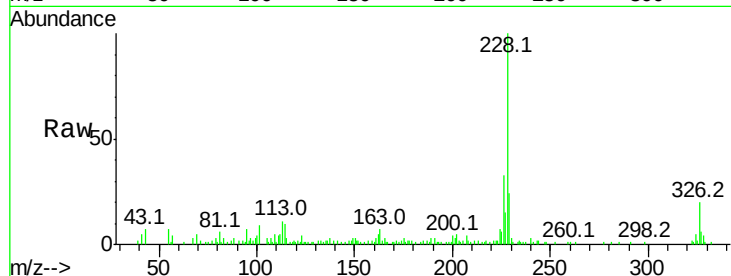
Tot Ion:228 Resp: 31501

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

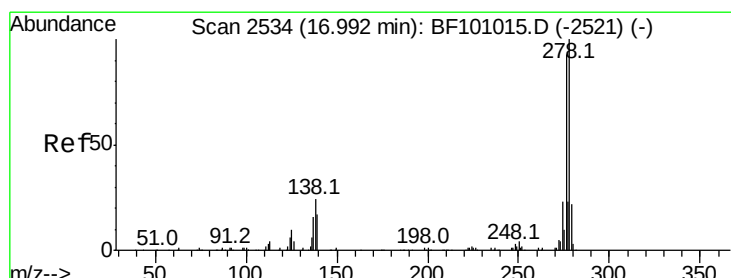
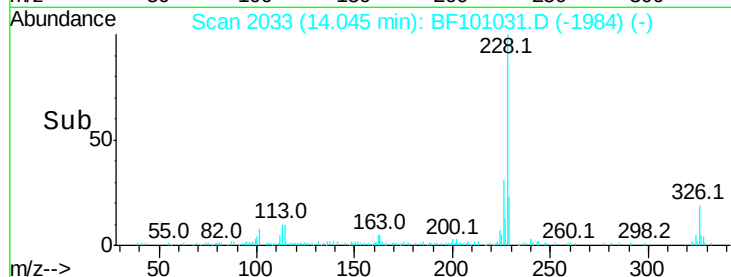
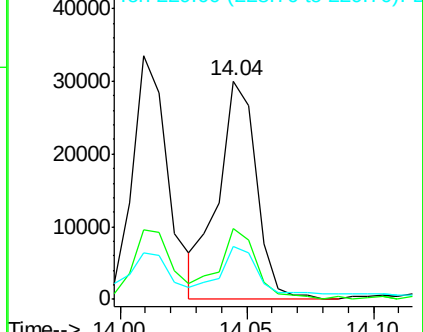
229 24.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.041 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

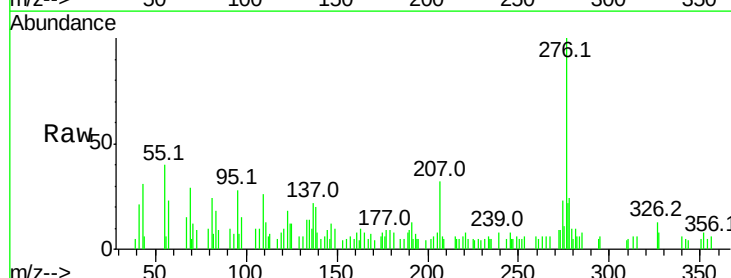
Tgt Ion:276 Resp: 13072

Ion Ratio Lower Upper

276 100

138 28.7 25.0 37.6

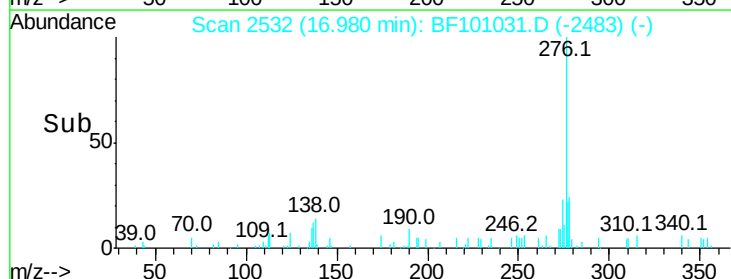
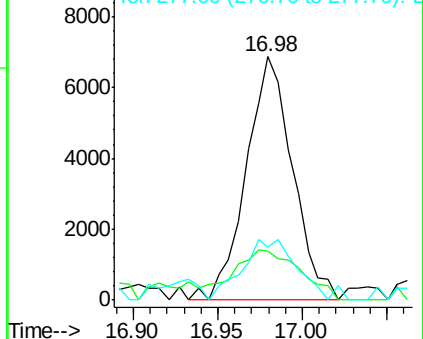
277 30.2 20.1 30.1#

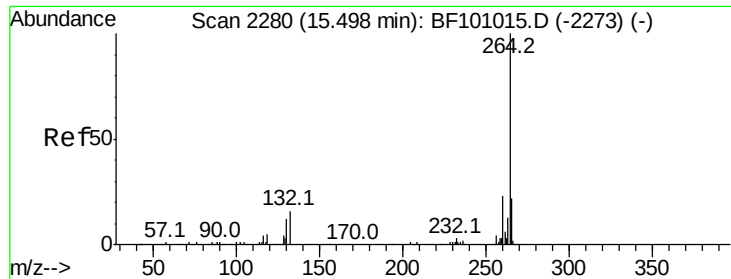


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

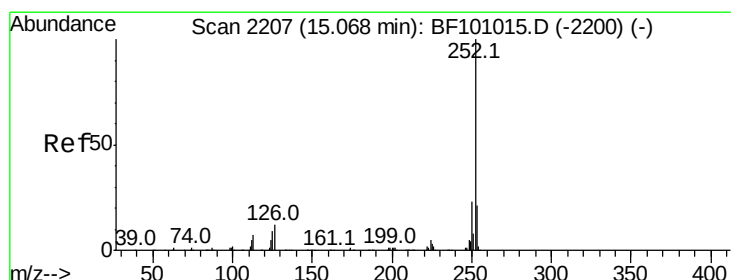
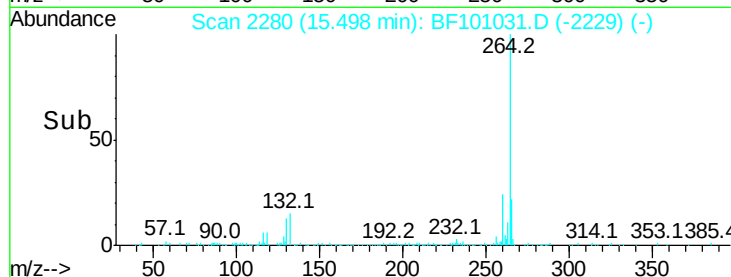
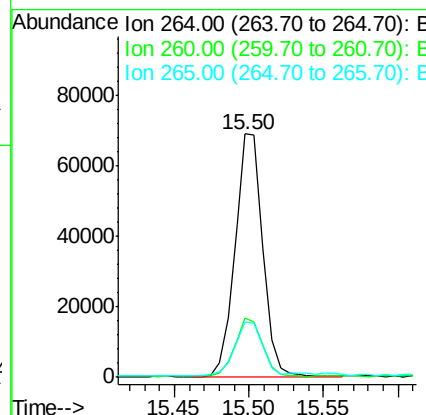
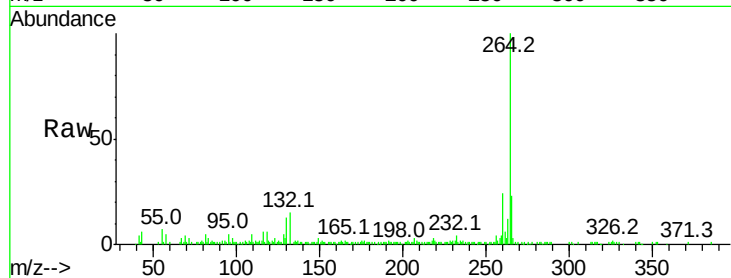




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

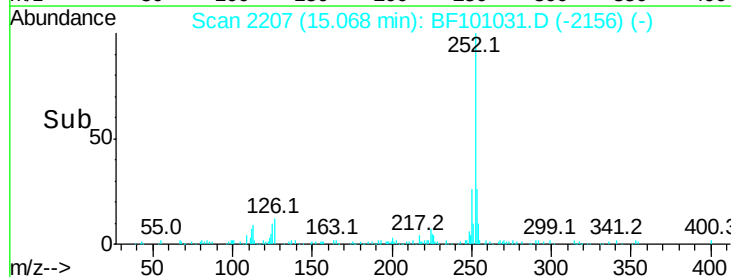
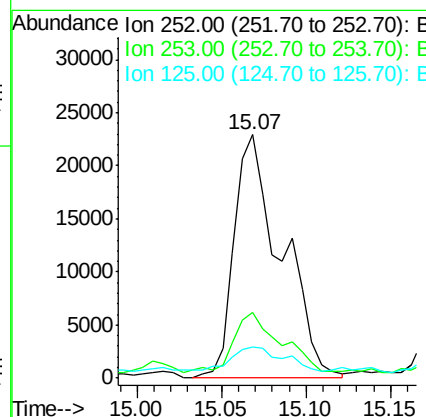
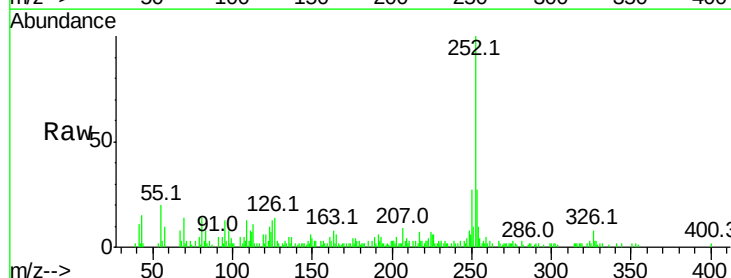
Instrument :
BNA_F
ClientSampleId :

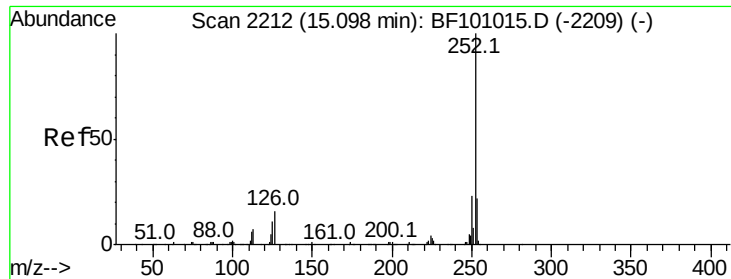
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.211 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF101031.D
Acq: 30 Nov 2017 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.0	25.6#
125	12.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 8.335 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

Instrument :

BNA_F

ClientSampleId :

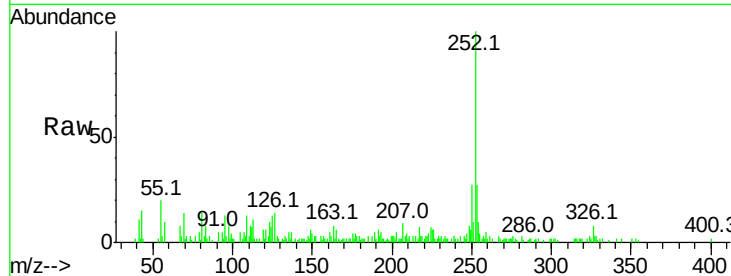
Tot Ion:252 Resp: 44673

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

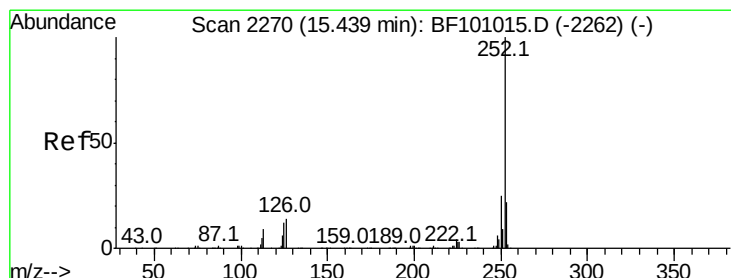
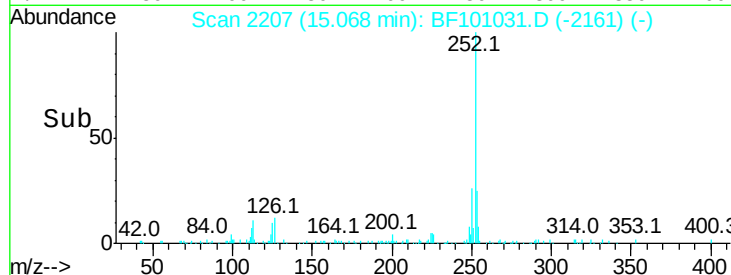
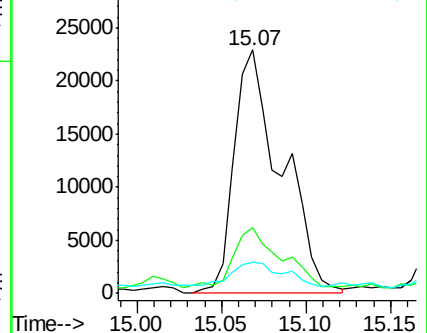
125 12.9 10.2 15.2



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: 4.157 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF101031.D

Acq: 30 Nov 2017 21:31

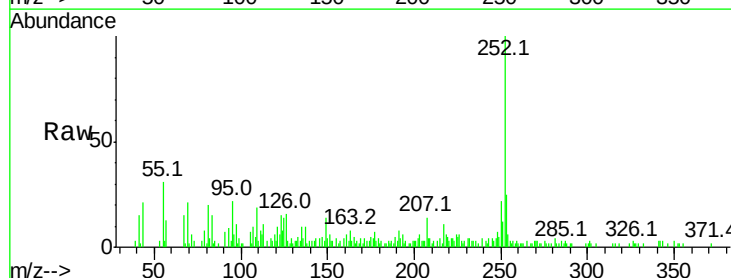
Tgt Ion:252 Resp: 20558

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

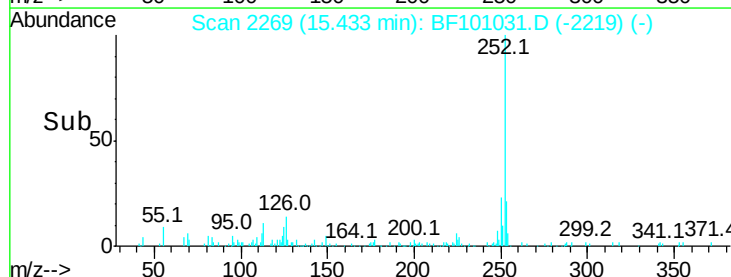
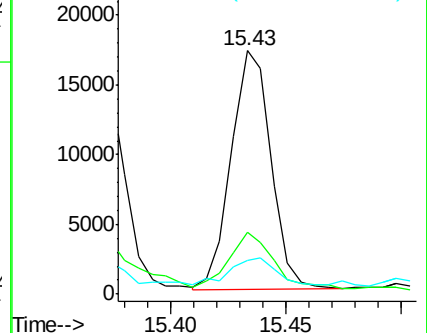
125 13.9 9.8 14.6

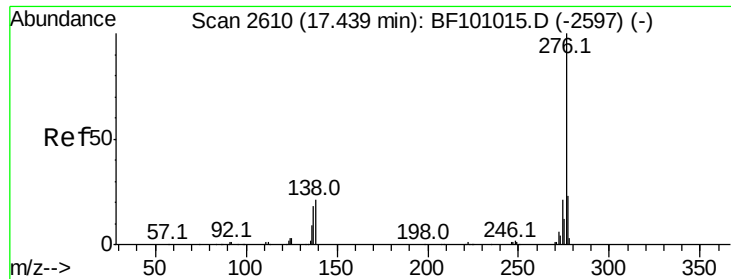


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.333 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF101031.D
 Acq: 30 Nov 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.3	17.9	26.9
138	24.6	21.8	32.8

