

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101343.D
 Acq On : 12 Dec 2017 21:20
 Operator : SJ/JU
 Sample : I6822-10 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:41:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

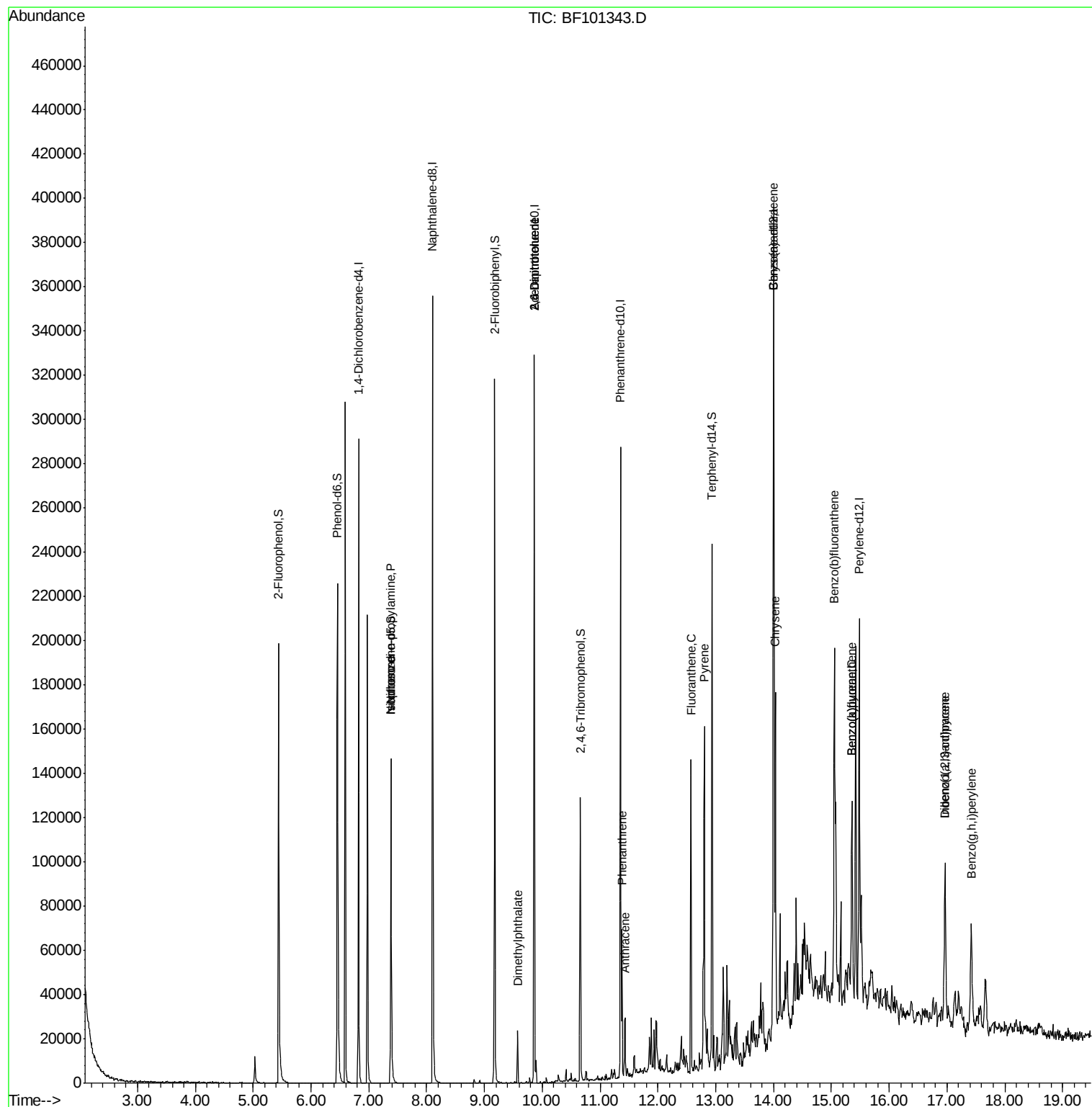
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	42248	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	155965	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	62648	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	106950	20.00	ng	0.00
75) Chrysene-d12	14.00	240	102569	20.00	ng	0.00
86) Perylene-d12	15.48	264	82570	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	71641	28.02	ng	0.00
7) Phenol-d6	6.46	99	87612	28.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	49498	18.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	17488	23.24	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	100137	21.87	ng	-0.01
78) Terphenyl-d14	12.94	244	84062	17.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	5986	2.863	ng	# 71
25) Isophorone	7.39	82	49498	11.083	ng	# 64
49) Dimethylphthalate	9.57	163	10983	2.174	ng	98
50) 2,6-Dinitrotoluene	9.86	165	7943	7.464	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	7943	5.570	ng	# 21
70) Phenanthrene	11.38	178	27586	4.684	ng	96
71) Anthracene	11.43	178	13022	2.185	ng	98
74) Fluoranthene	12.57	202	60669	9.293	ng	94
77) Pyrene	12.80	202	64995	9.183	ng	97
80) Benzo(a)anthracene	14.00	228	68810	10.625	ng	100
82) Chrysene	14.03	228	56064	9.322	ng	93
85) Indeno(1,2,3-cd)pyrene	16.97	276	43126	8.065	ng	# 88
87) Benzo(b)fluoranthene	15.05	252	117364	23.730	ng	96
88) Benzo(k)fluoranthene	15.36	252	34208	7.020	ng	99
89) Benzo(a)pyrene	15.36	252	39701	8.830	ng	98
90) Dibenzo(a,h)anthracene	16.96	278	11220	2.831	ng	# 91
91) Benzo(g,h,i)perylene	17.42	276	38729	10.367	ng	# 91

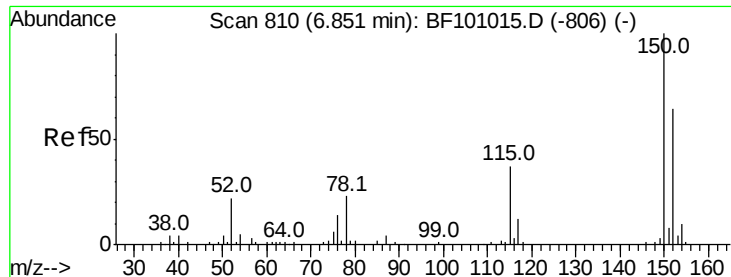
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121217\
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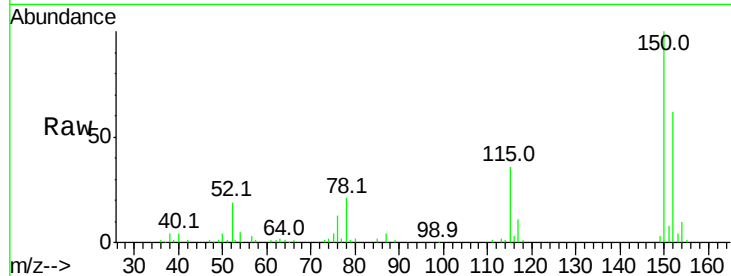


#1

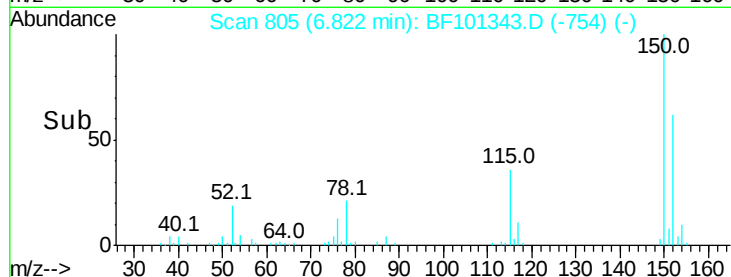
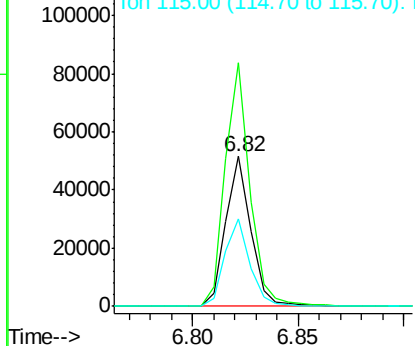
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42248
Ion Ratio Lower Upper
152 100
150 162.2 124.6 186.8
115 58.3 50.1 75.1



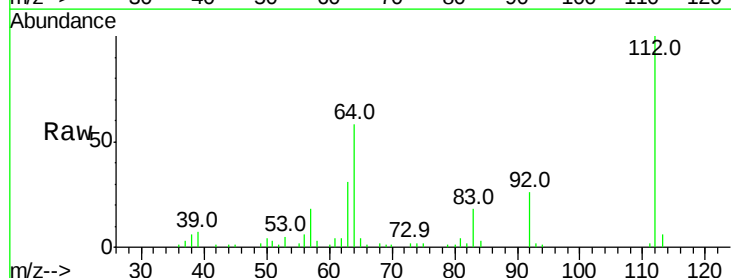
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



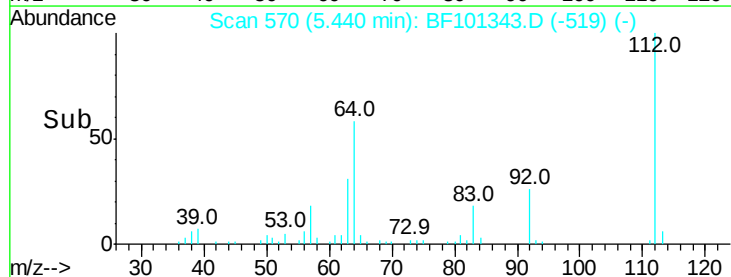
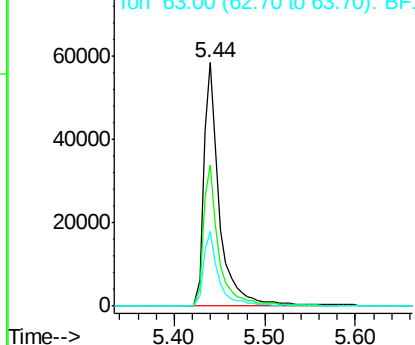
#5

2-Fluorophenol
Concen: 28.021 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion:112 Resp: 71641
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 30.8 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: 28.225 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

ClientSampled :

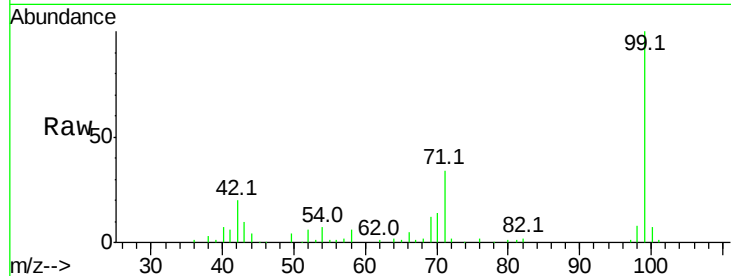
Tot Ion: 99 Resp: 87612

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

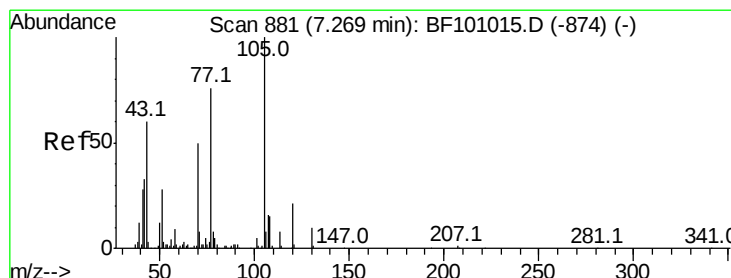
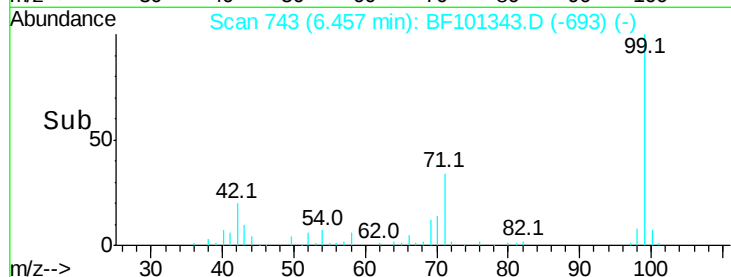
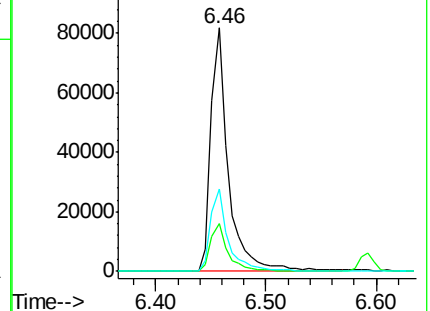
71 33.6 25.4 38.0



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: 2.863 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Tgt Ion: 70 Resp: 5986

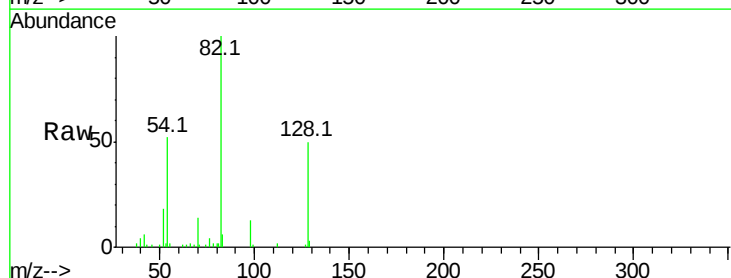
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

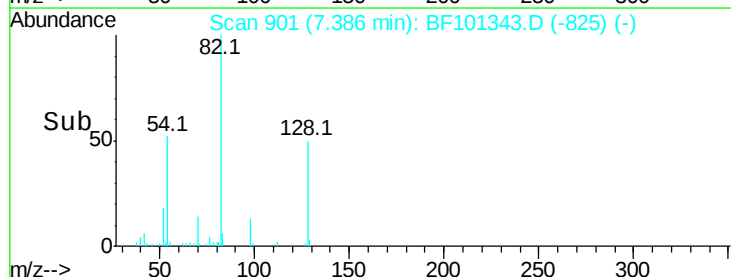
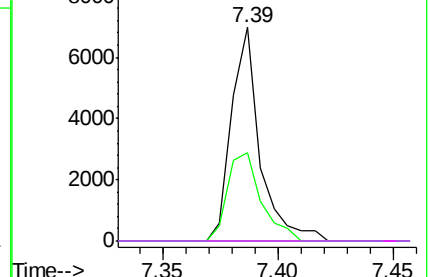


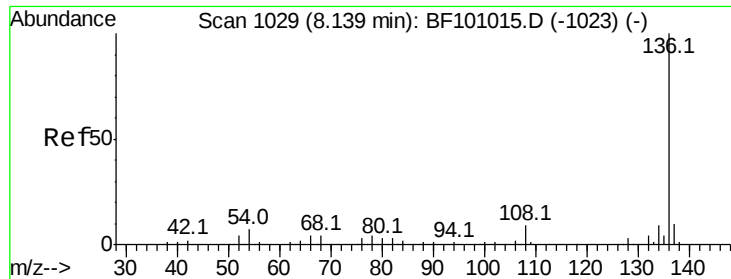
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

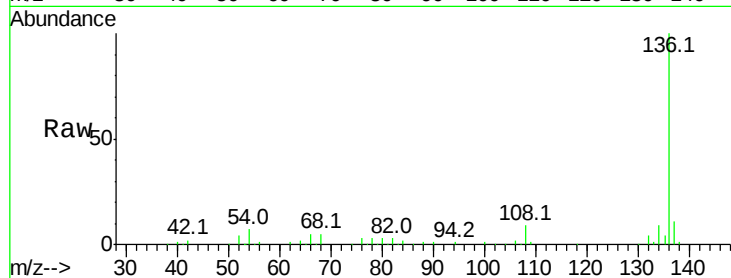




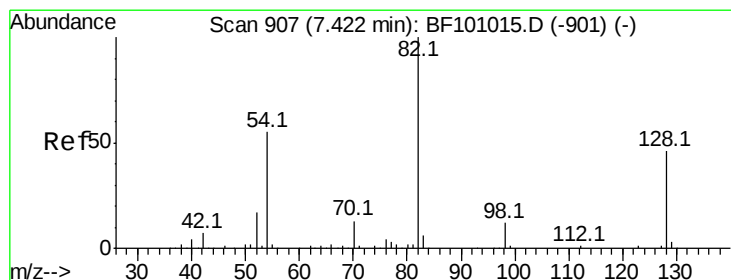
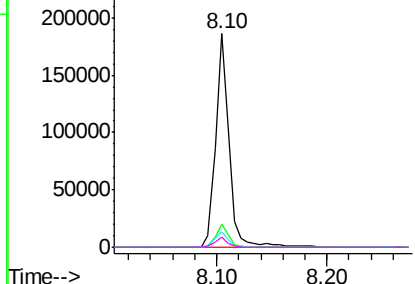
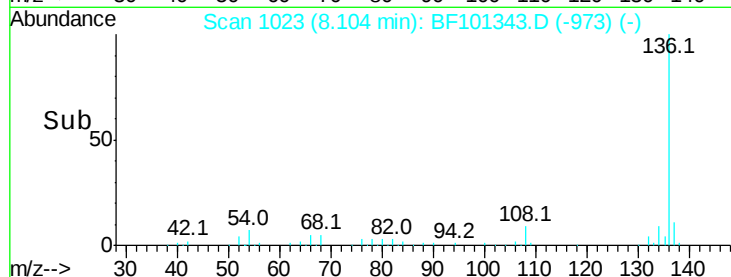
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	155965
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	5.0	5.0	7.4

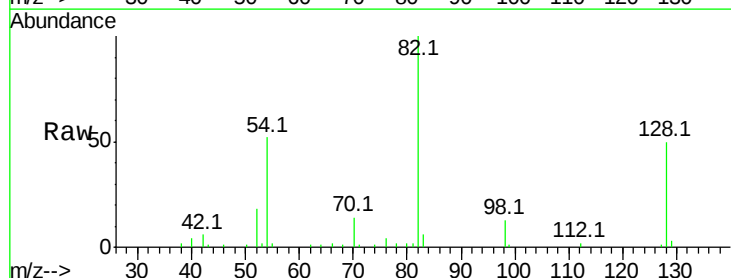


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

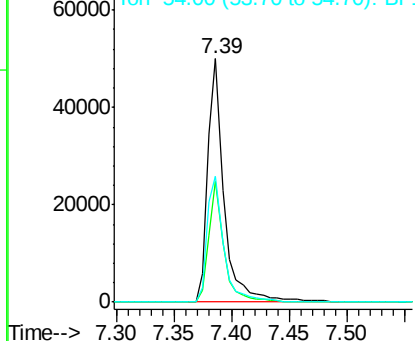
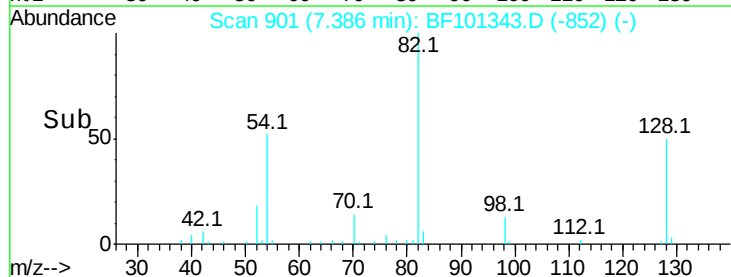


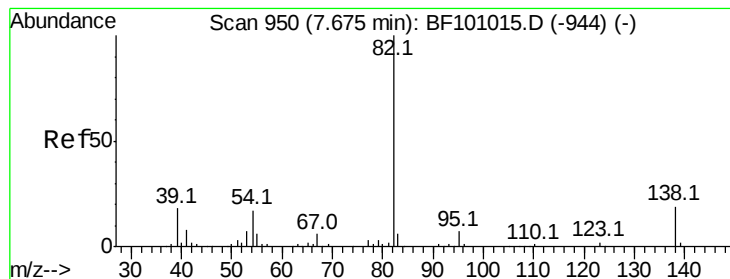
#23
Nitrobenzene-d5
Concen: 18.932 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion:	82	Resp:	49498
Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	51.6	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: 11.083 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

ClientSampleId :

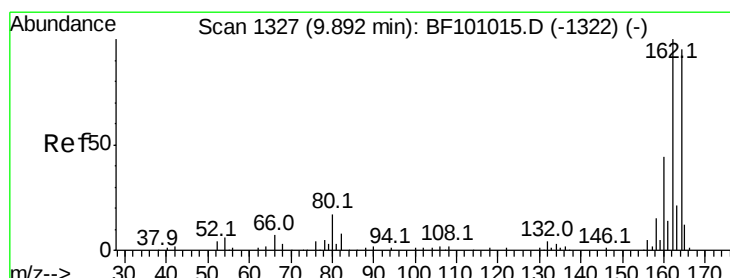
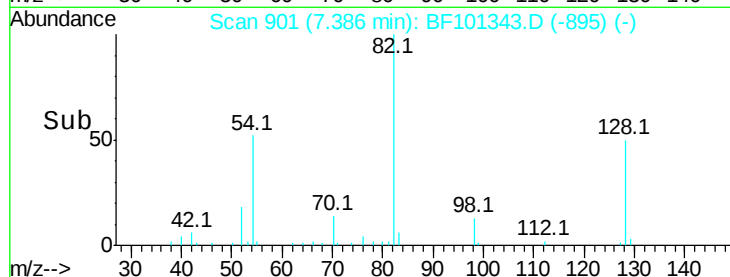
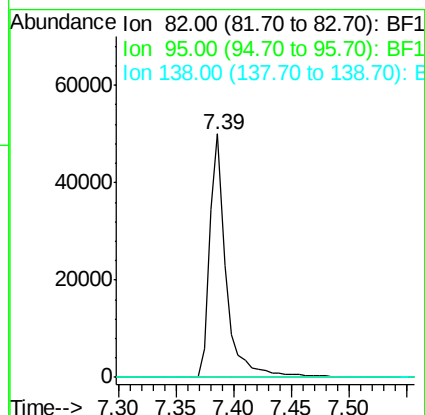
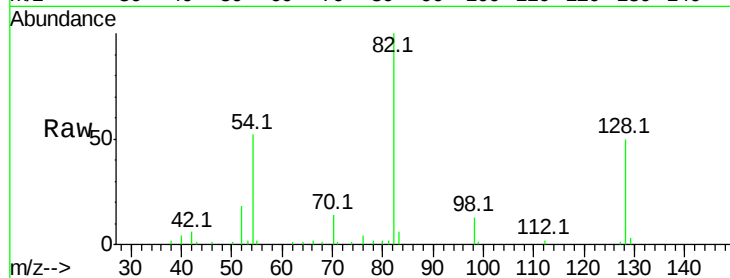
Tot Ion: 82 Resp: 49498

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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

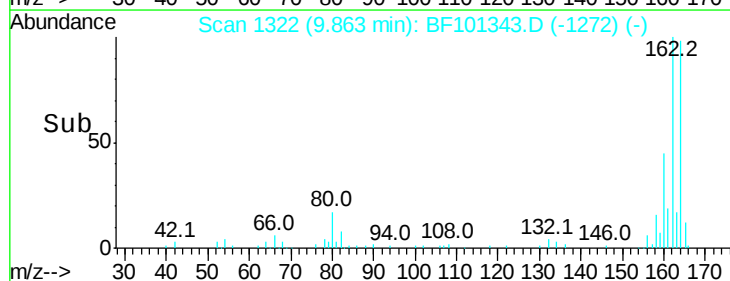
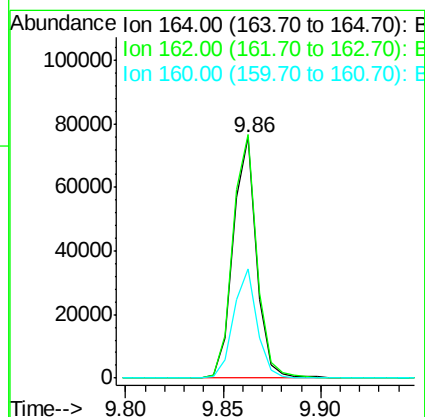
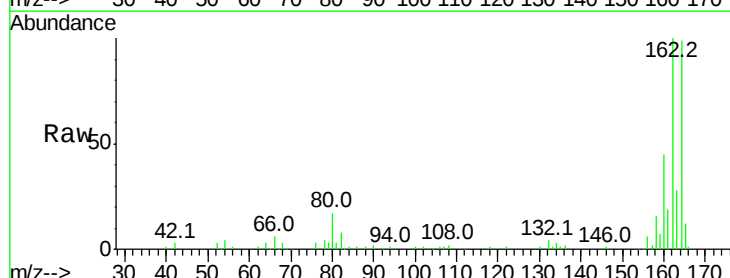
Tgt Ion:164 Resp: 62648

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

160 45.1 38.3 57.5

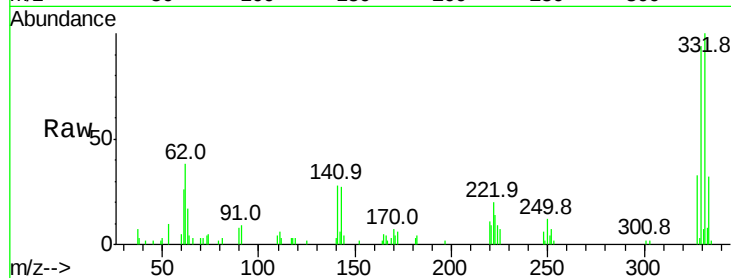




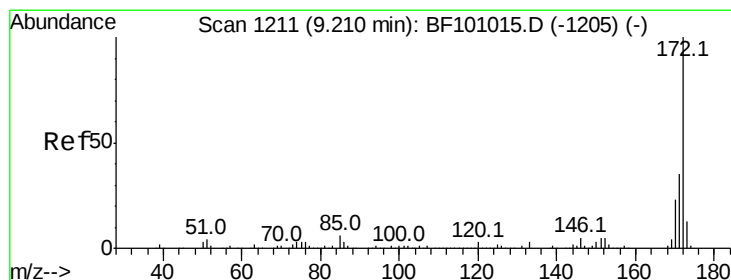
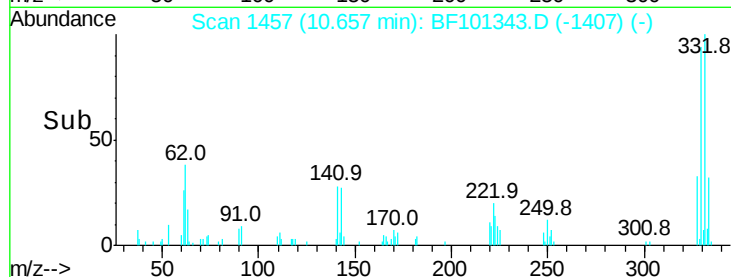
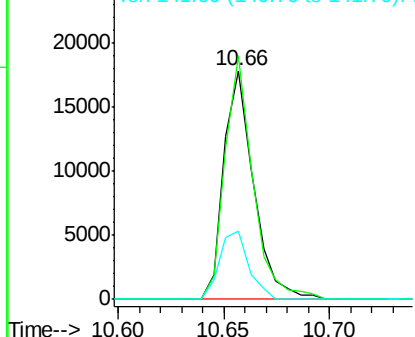
#41
 2,4,6-Tribromophenol
 Concen: 23.237 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17488
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.0 115.6
 141 29.1 29.9 44.9#

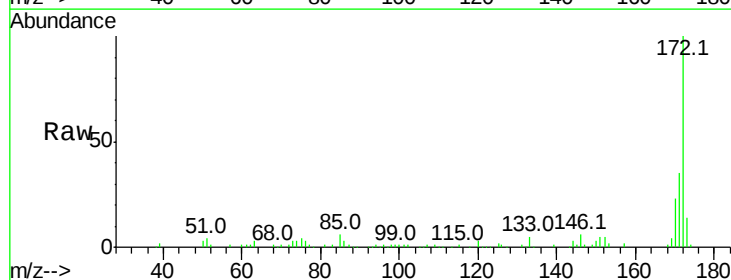


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

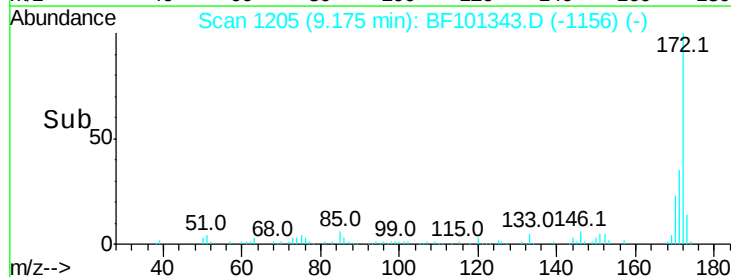
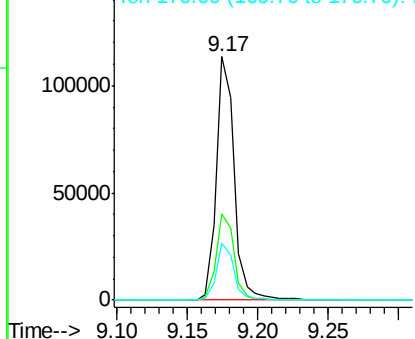


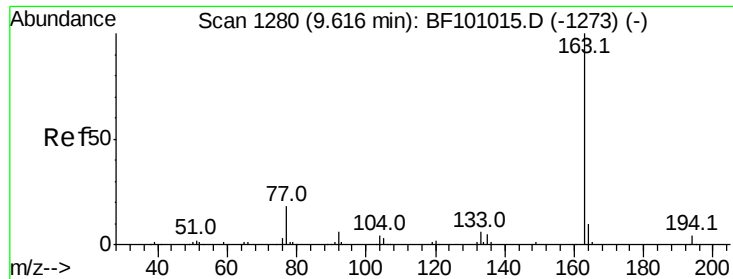
#44
 2-Fluorobiphenyl
 Concen: 21.869 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Tgt Ion:172 Resp: 100137
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.5 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

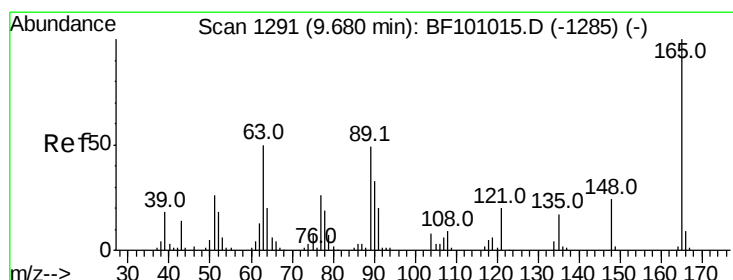
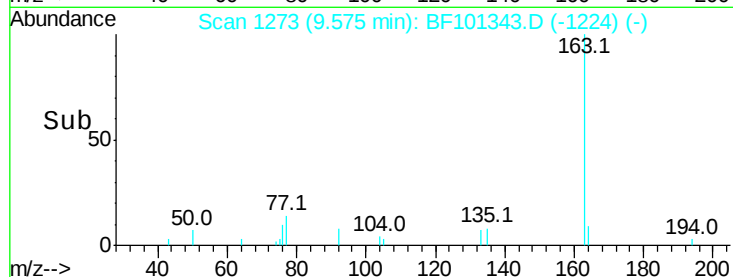
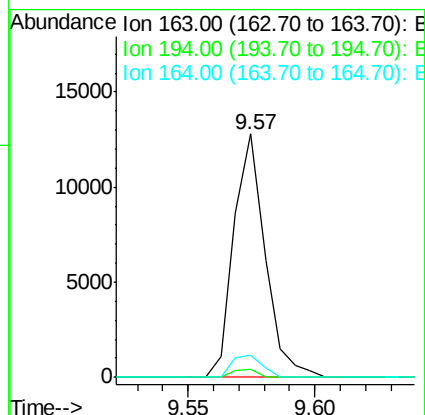
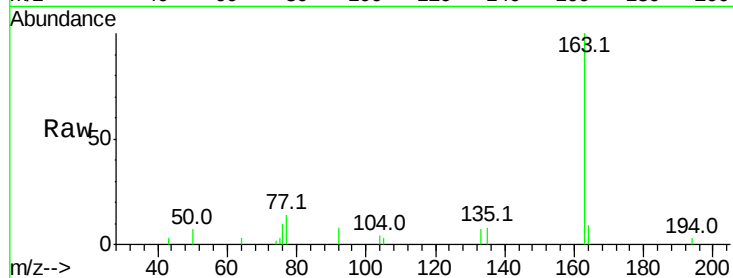




#49
Dimethylphthalate
Concen: 2.174 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

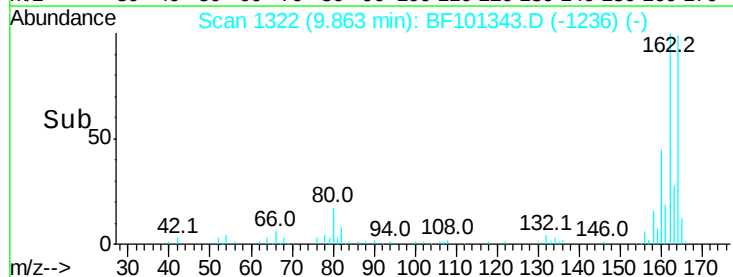
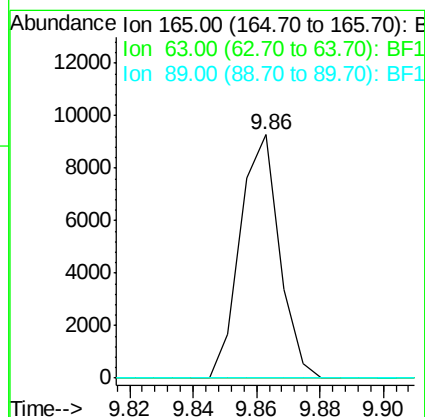
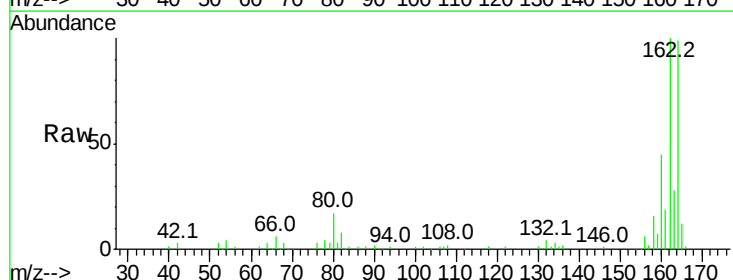
Instrument :
BNA_F
ClientSampleId :

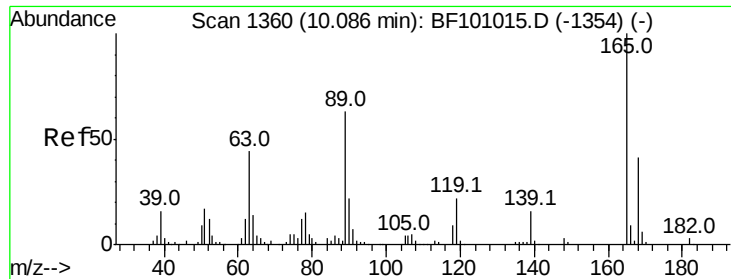
Tot Ion:163 Resp: 10983
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.464 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion:165 Resp: 7943
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

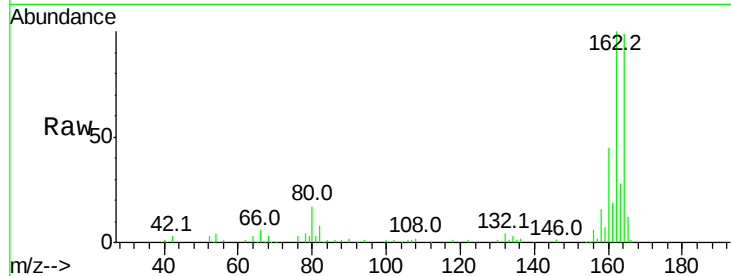




#56
 2,4-Dinitrotoluene
 Concen: 5.570 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	7943
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#

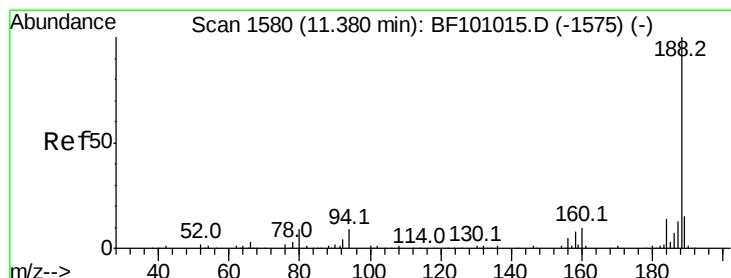
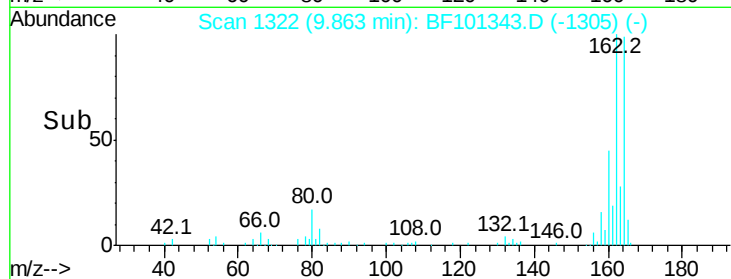
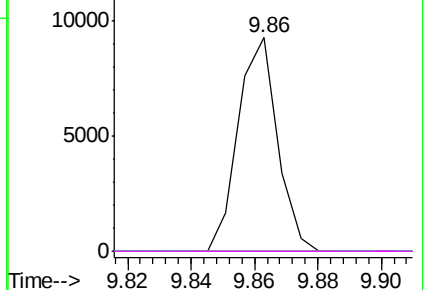


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

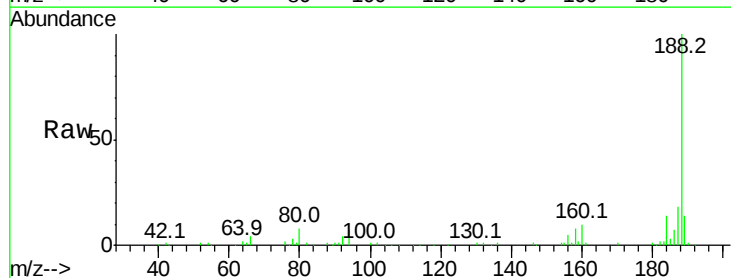
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

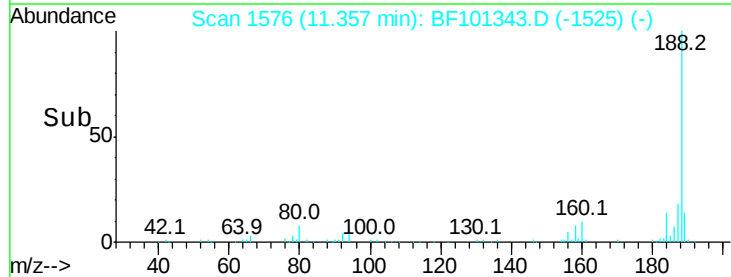
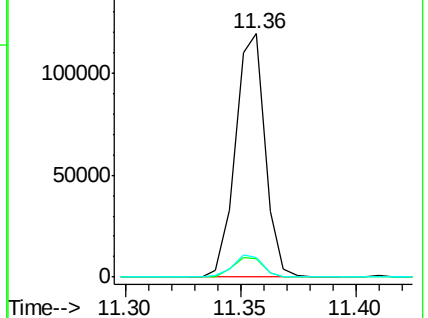
Tgt Ion:188	Resp:	106950
Ion Ratio	Lower	Upper
188	100	
94	7.3	8.5 12.7#
80	8.0	9.2 13.8#

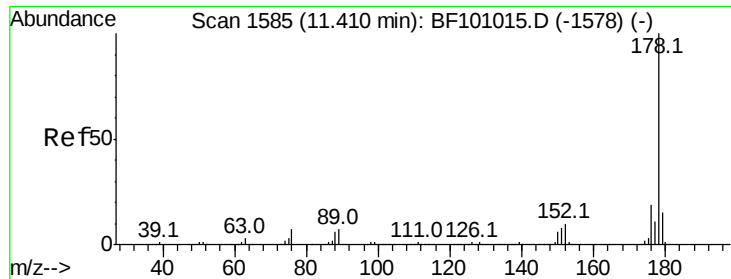


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

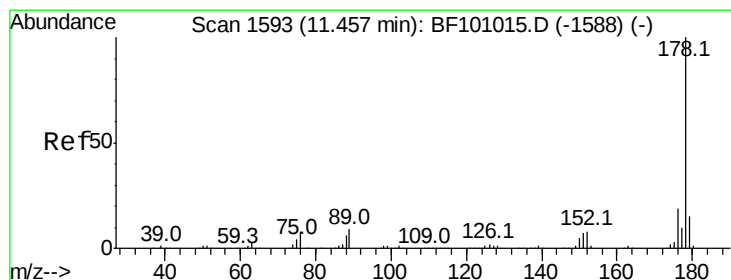
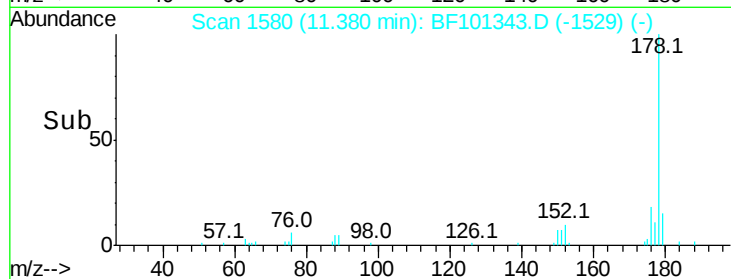
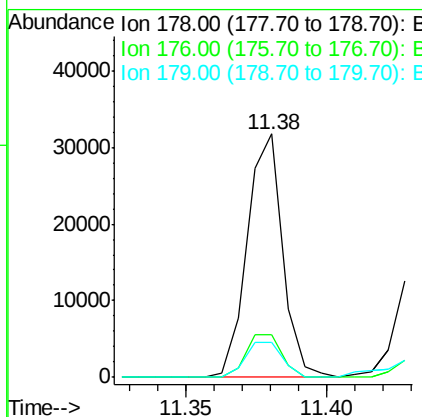
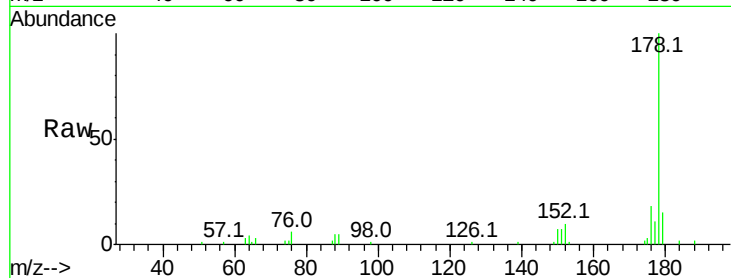




#70
 Phenanthrene
 Concen: 4.684 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

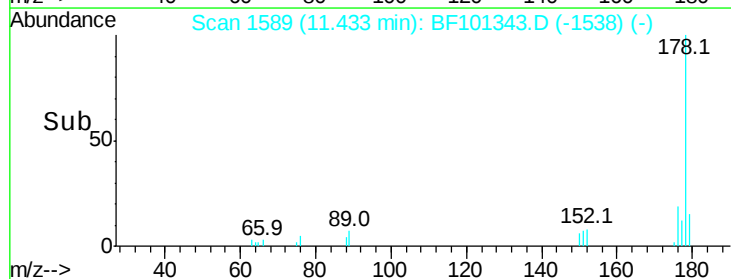
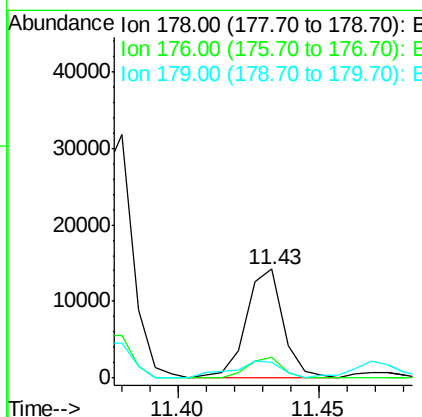
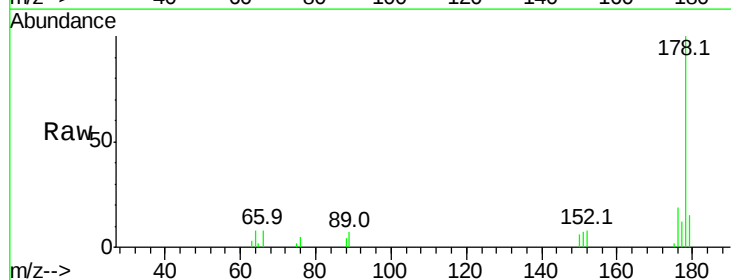
Instrument :
 BNA_F
 ClientSampleId :

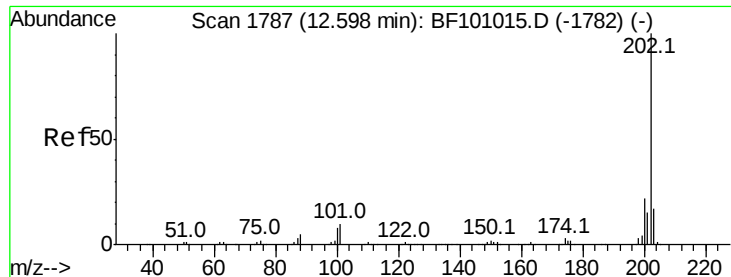
Tot Ion:178 Resp: 27586
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 14.5 13.0 19.6



#71
 Anthracene
 Concen: 2.185 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Tgt Ion:178 Resp: 13022
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 14.9 12.6 19.0





#74

Fluoranthene

Concen: 9.293 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

ClientSampleId :

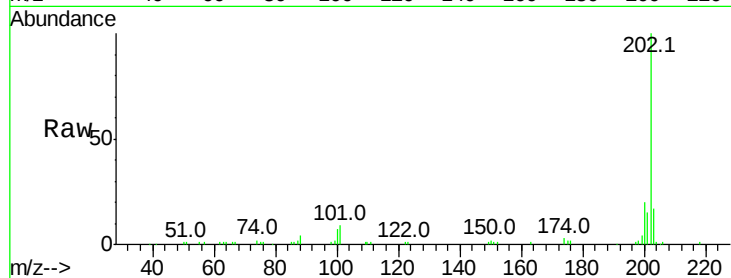
Tot Ion:202 Resp: 60669

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

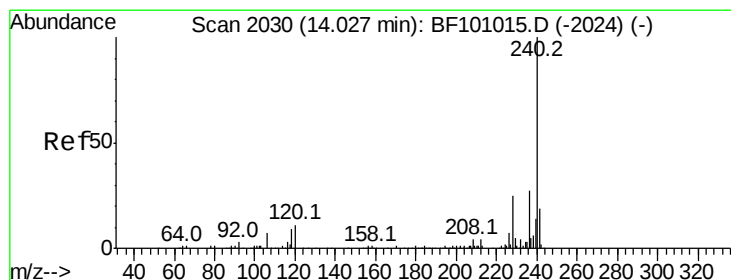
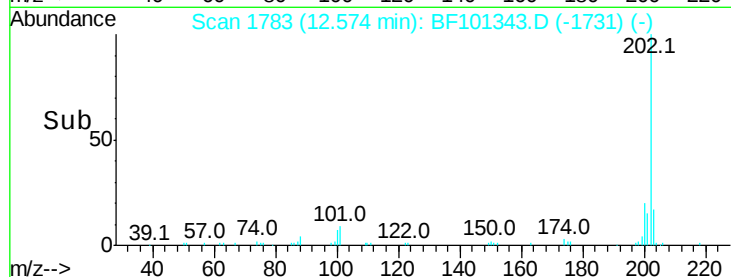
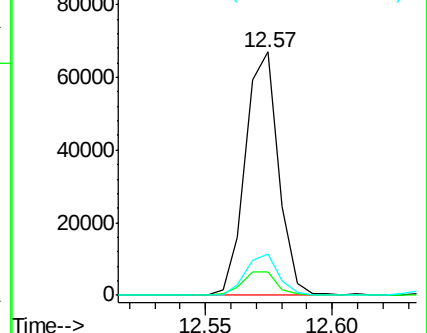
203 17.1 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

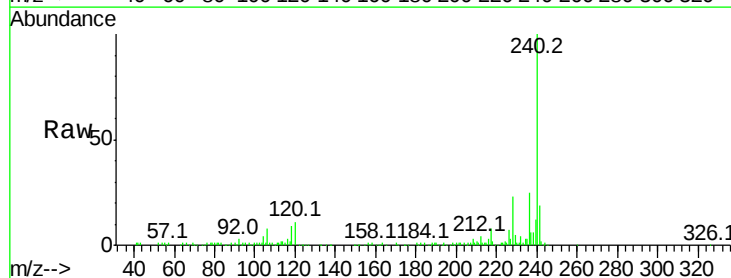
Tgt Ion:240 Resp: 102569

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

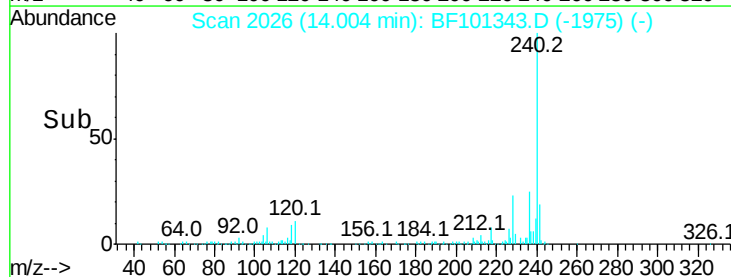
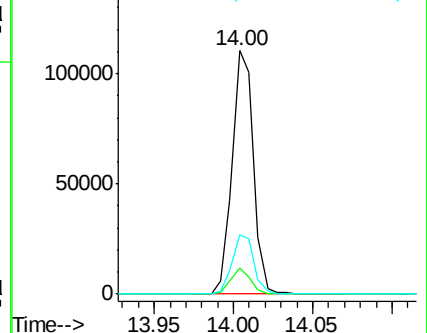
236 24.6 20.7 31.1

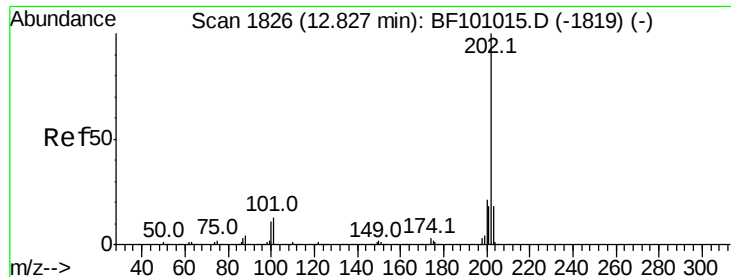


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

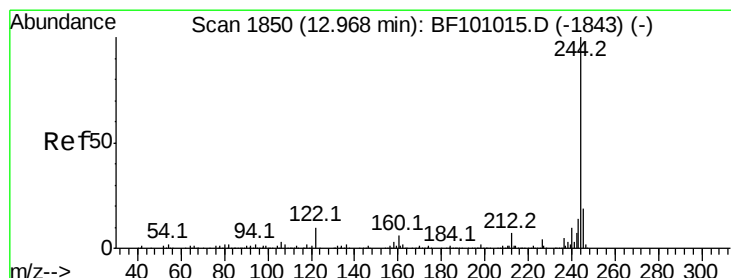
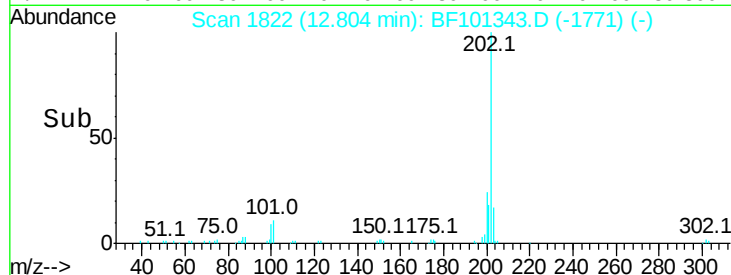
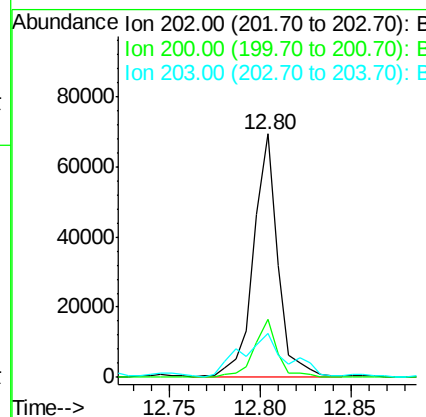
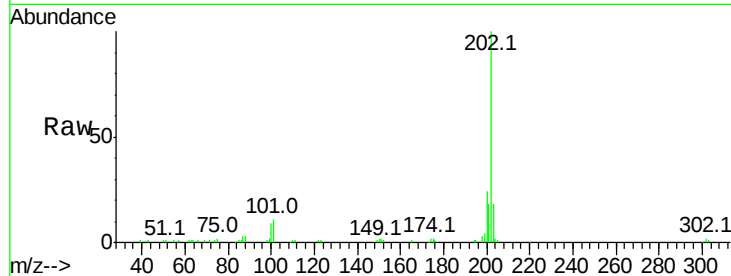




#77
Pvrene
Concen: 9.183 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

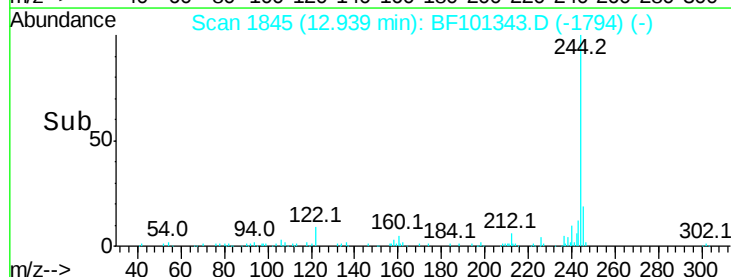
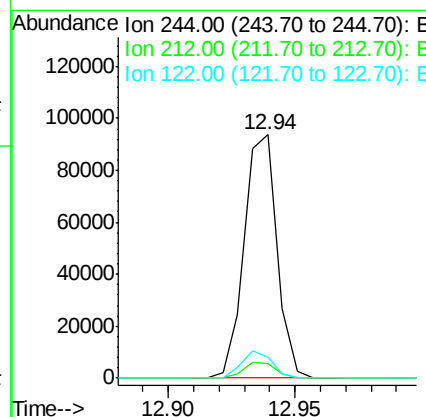
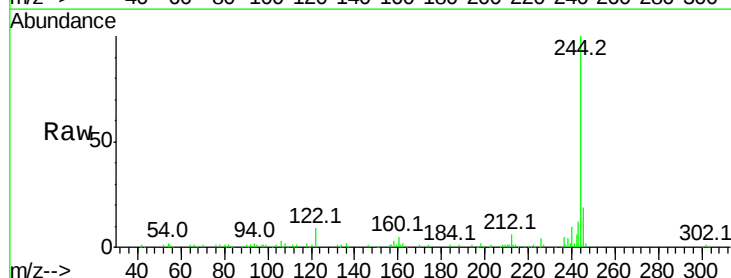
Instrument :
BNA_F
ClientSampleId :

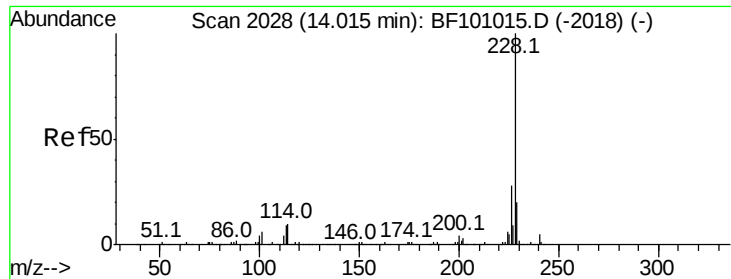
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.9	17.4	26.2
203	18.1	14.3	21.5



#78
Terphenyl-d14
Concen: 17.926 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.8	11.0	16.4

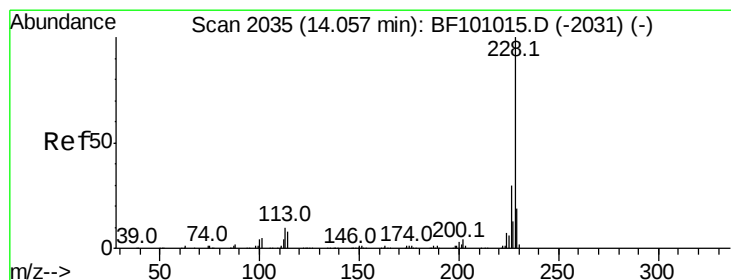
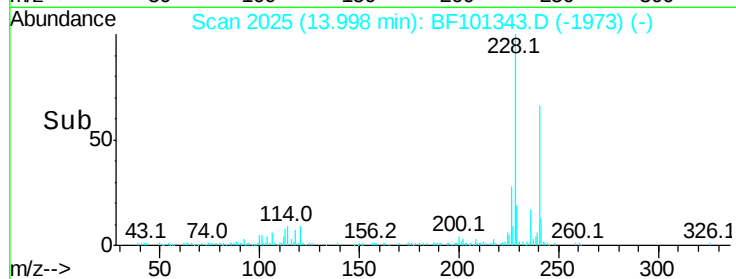
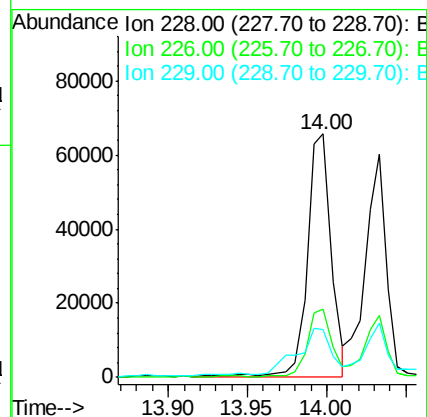
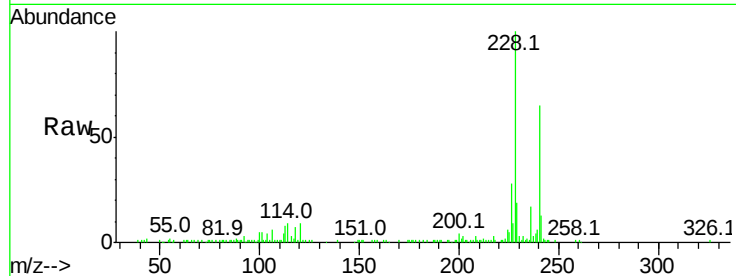




#80
Benzo(a)anthracene
Concen: 10.625 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

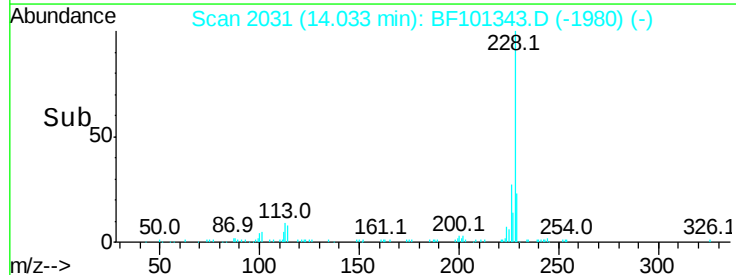
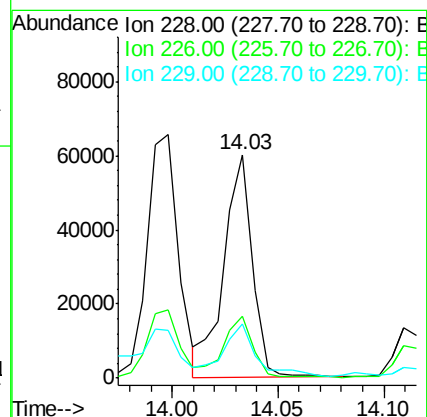
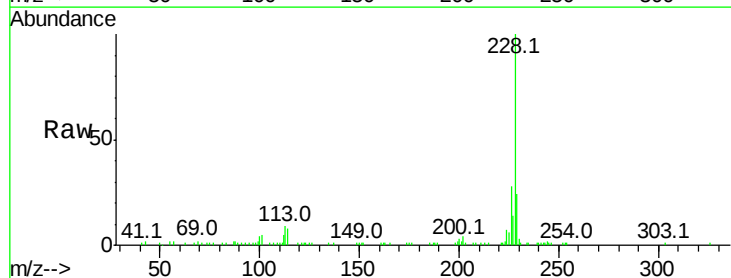
Instrument :
BNA_F
ClientSampleId :

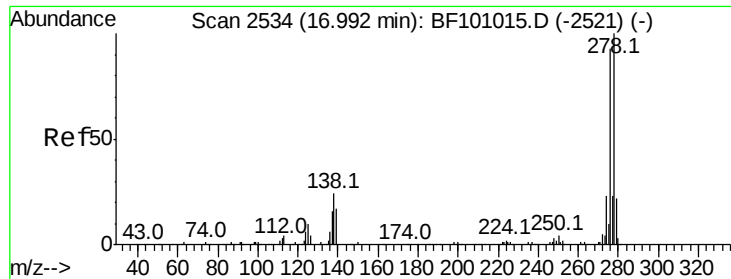
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.4	15.8	23.6



#82
Chrysene
Concen: 9.322 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.0	37.6
229	24.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.065 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

ClientSampleId :

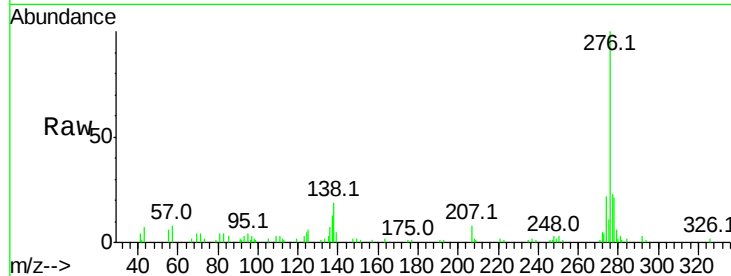
Tot Ion:276 Resp: 43126

Ion Ratio Lower Upper

276 100

138 22.2 25.0 37.6#

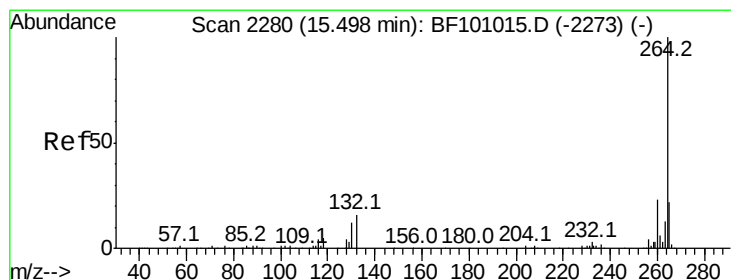
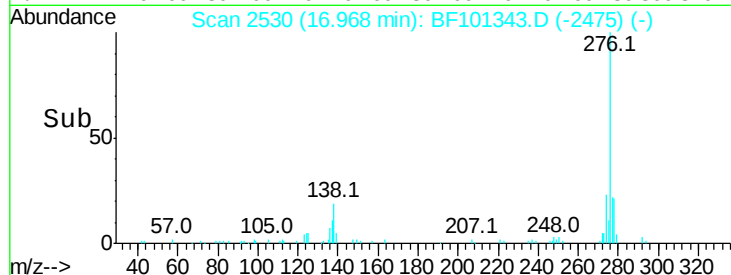
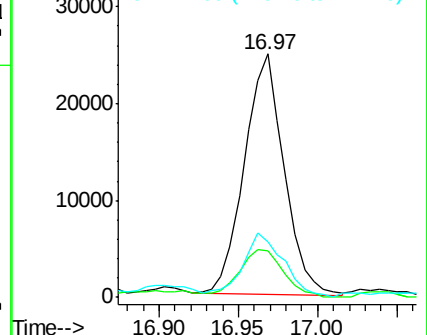
277 28.0 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

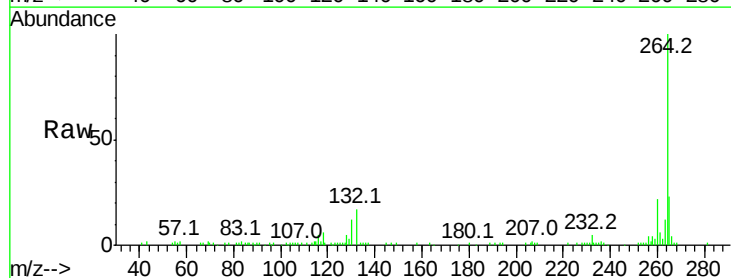
Tgt Ion:264 Resp: 82570

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

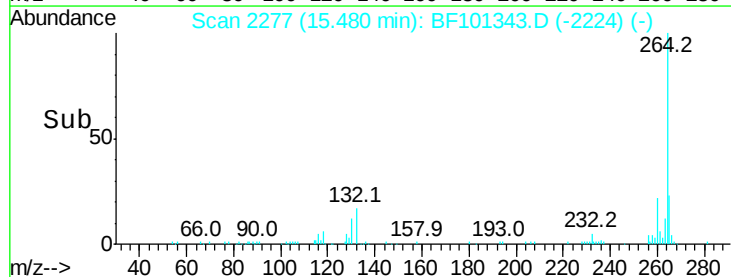
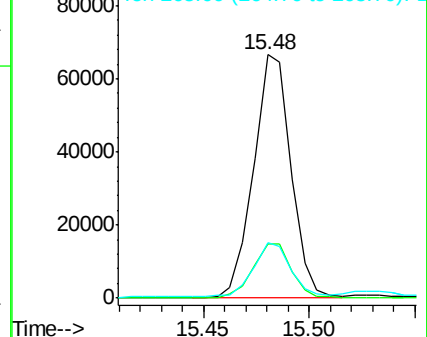
265 22.7 17.5 26.3

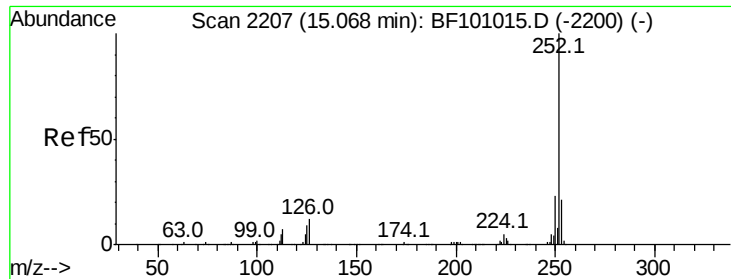


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

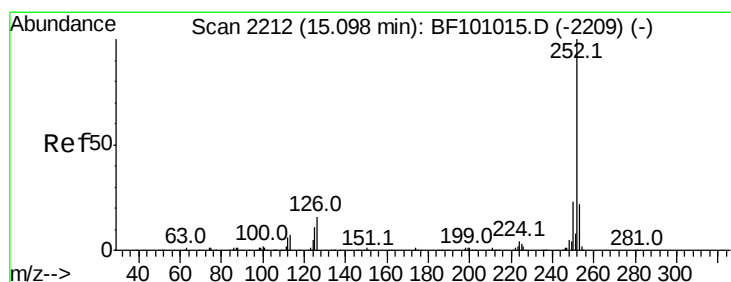
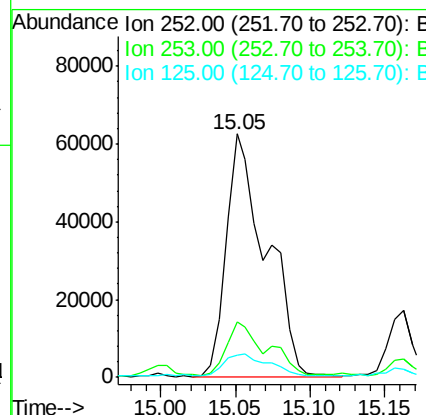
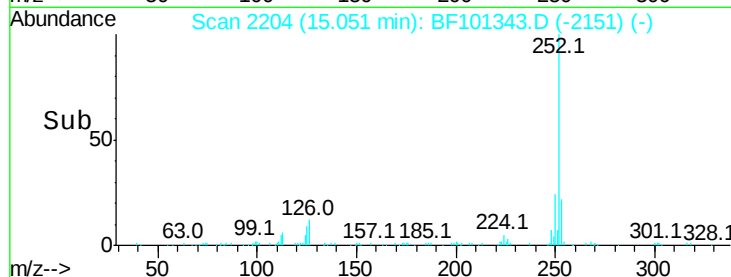
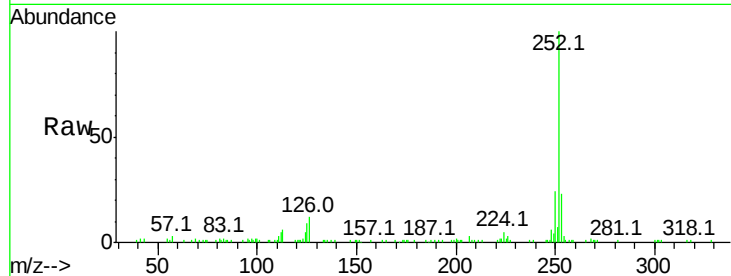




#87
Benzo(b)fluoranthene
Concen: 23.730 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

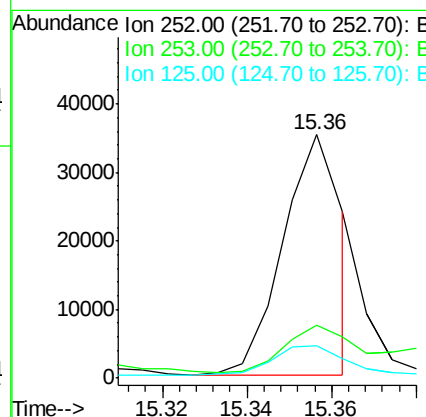
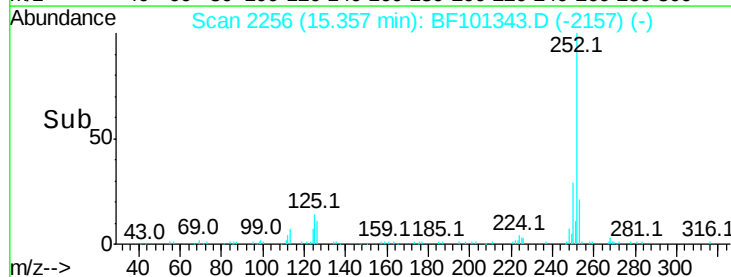
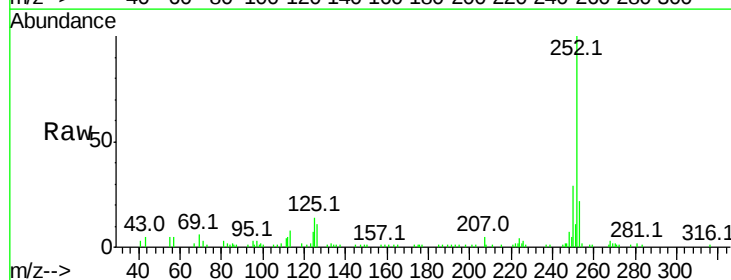
Instrument :
BNA_F
ClientSampleId :

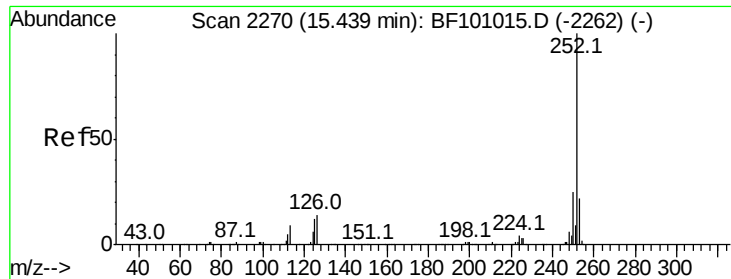
Tot Ion:252 Resp: 117364
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 9.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 7.020 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.28 min
Lab File: BF101343.D
Acq: 12 Dec 2017 21:20

Tgt Ion:252 Resp: 34208
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 13.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 8.830 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.05 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

Instrument :

BNA_F

ClientSampleId :

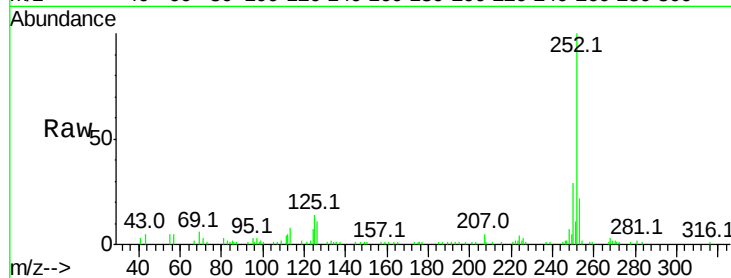
Tot Ion:252 Resp: 39701

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

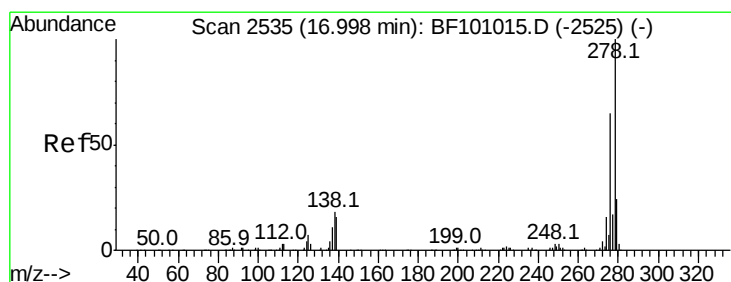
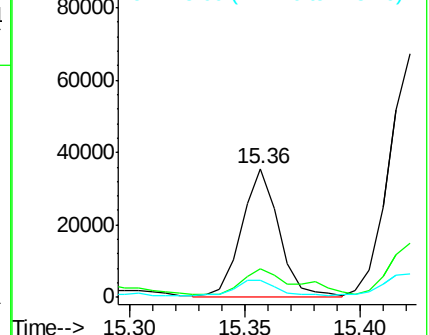
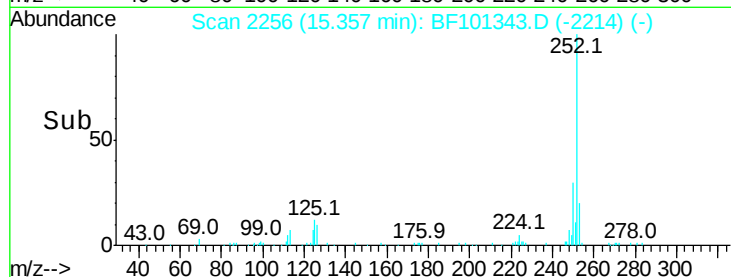
125 13.5 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.831 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF101343.D

Acq: 12 Dec 2017 21:20

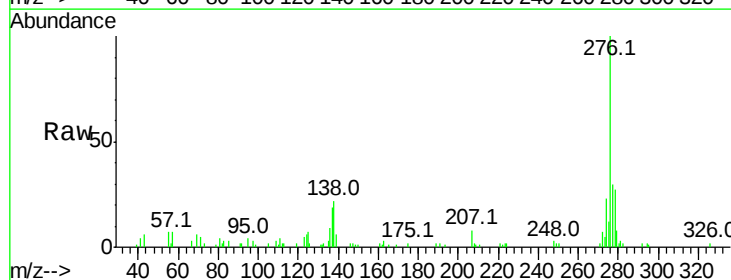
Tgt Ion:278 Resp: 11220

Ion Ratio Lower Upper

278 100

139 21.9 15.9 23.9

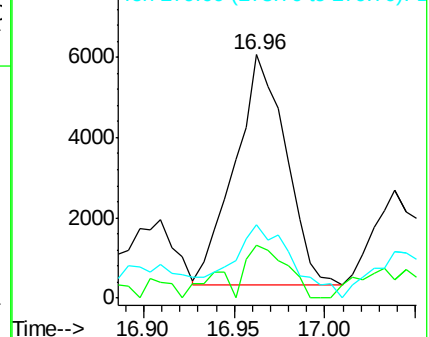
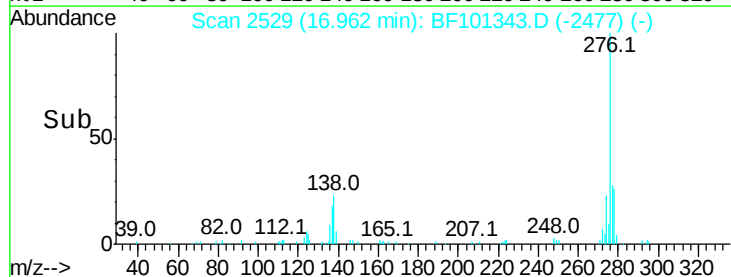
279 30.0 19.0 28.4#

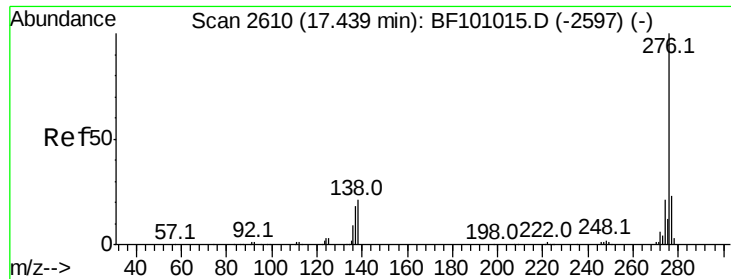


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

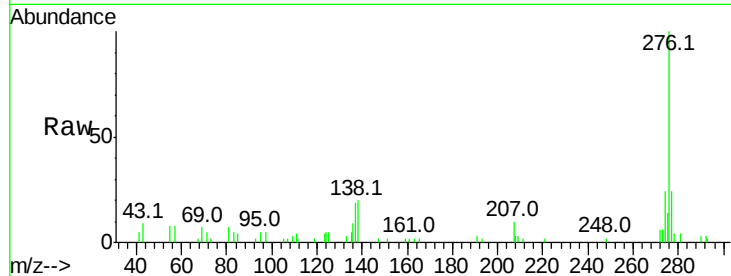




#91
 Benzo(a,h,i)perylene
 Concen: 10.367 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF101343.D
 Acq: 12 Dec 2017 21:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	19.8	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

