

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099395.D
 Acq On : 12 Oct 2017 15:00
 Operator : SJ/JU
 Sample : I5530-06 RE 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 16:23:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 16:21:36 2017
 Response via : Initial Calibration

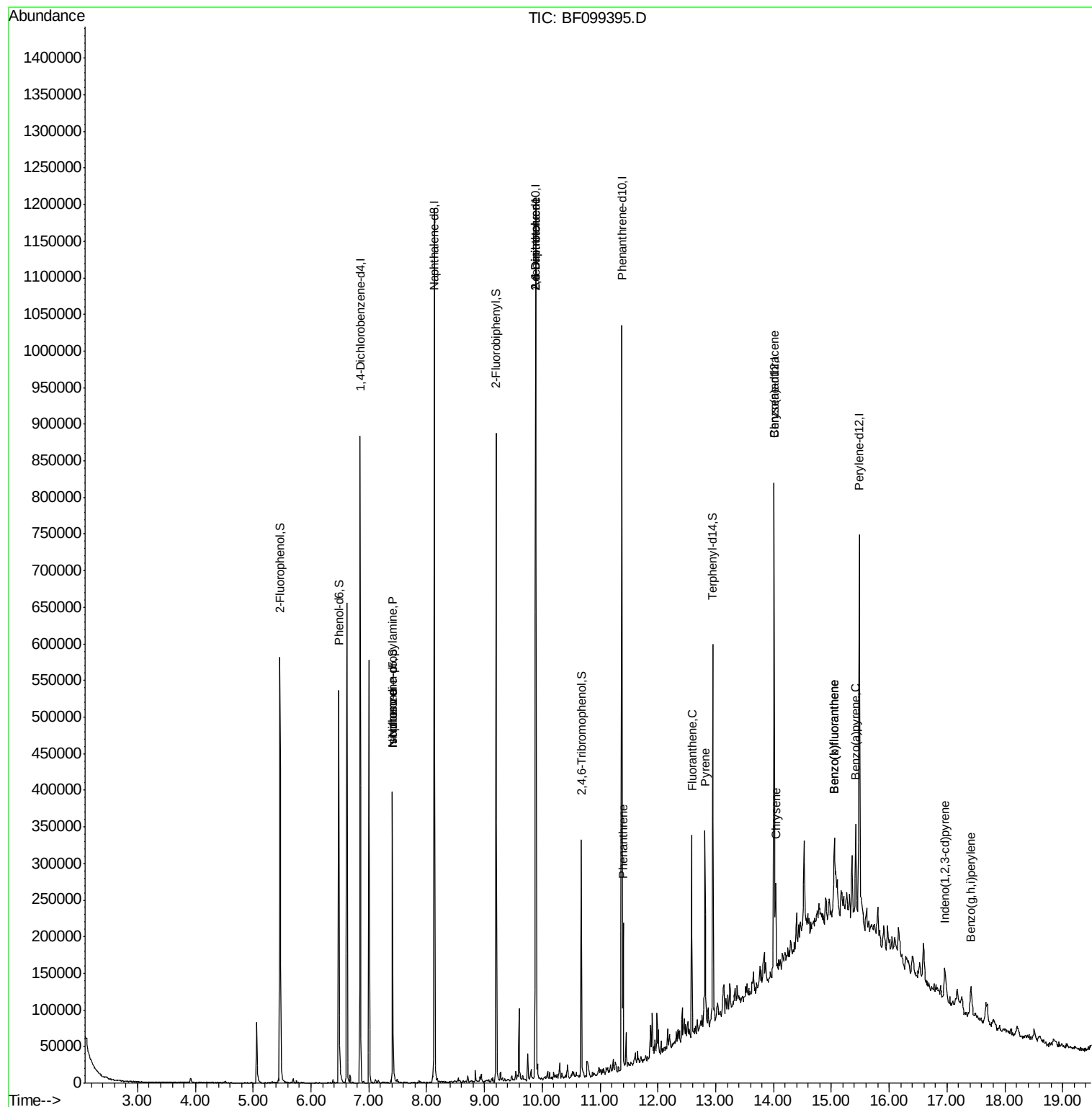
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131498	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	520111	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	223869	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	338996	20.00	ng	0.00
75) Chrysene-d12	14.01	240	205663	20.00	ng	0.00
86) Perylene-d12	15.49	264	224366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	175020	21.19	ng	-0.01
7) Phenol-d6	6.48	99	208892	20.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	119447	14.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	34095	18.61	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	253882	18.93	ng	0.00
78) Terphenyl-d14	12.95	244	141206	15.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	14915	2.293	ng	# 76
25) Isophorone	7.41	82	119446	7.123	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	29667	8.065	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	29667	6.214	ng	# 23
70) Phenanthrene	11.40	178	70110	3.864	ng	97
74) Fluoranthene	12.59	202	98431	5.357	ng	98
77) Pyrene	12.82	202	94198	6.007	ng	100
80) Benzo(a)anthracene	14.00	228	41659	3.345	ng	98
82) Chrysene	14.04	228	43123	3.637	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	24393	2.572	ng	99
87) Benzo(b)fluoranthene	15.05	252	70025	5.076	ng	# 92
88) Benzo(k)fluoranthene	15.05	252	70025	5.139	ng	# 94
89) Benzo(a)pyrene	15.42	252	43712	3.452	ng	# 90
91) Benzo(a,h,i)perylene	17.42	276	33320	3.326	ng	# 85

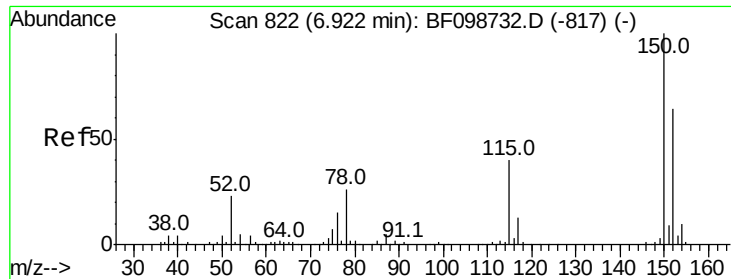
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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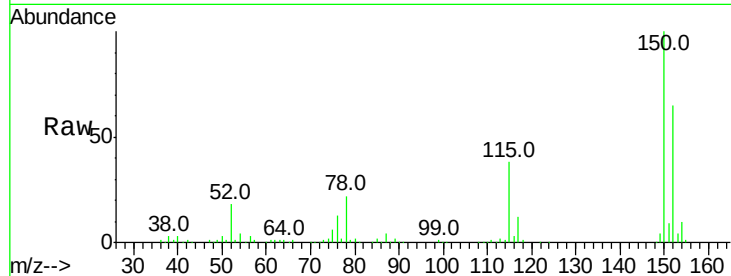




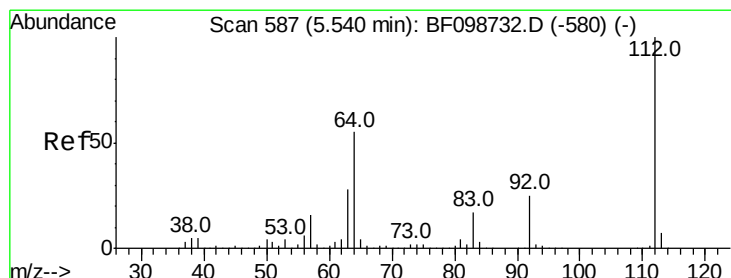
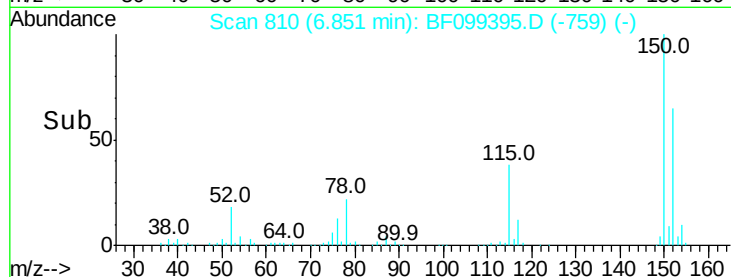
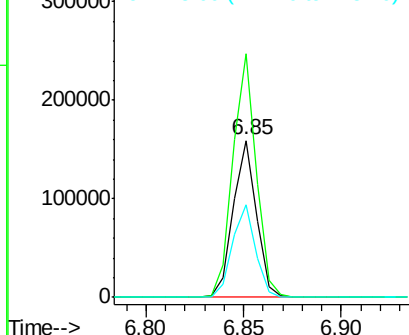
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 131498
 Ion Ratio Lower Upper
 152 100
 150 155.0 124.6 186.8
 115 58.8 50.1 75.1

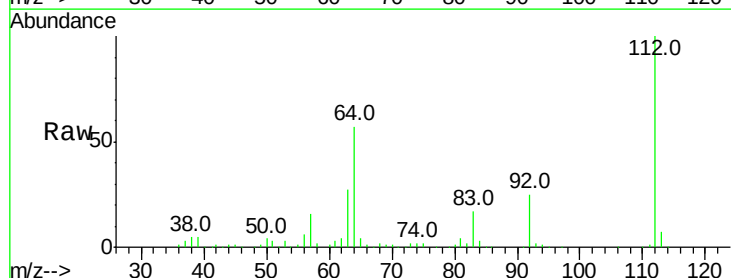


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

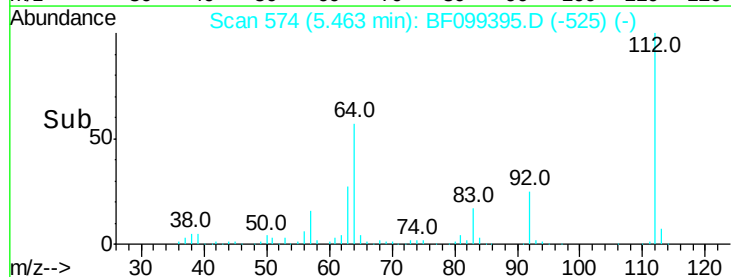
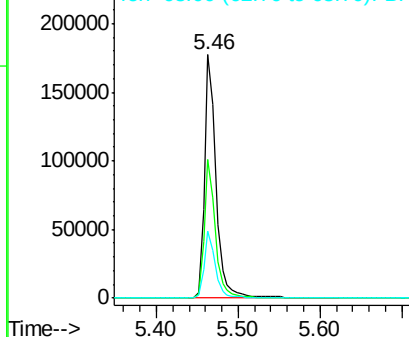


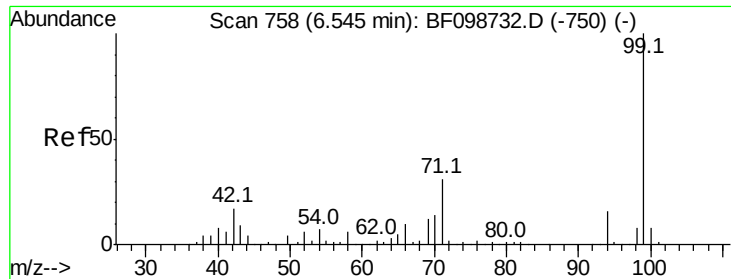
#5
 2-Fluorophenol
 Concen: 21.188 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Tgt Ion:112 Resp: 175020
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.9 71.9
 63 27.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.499 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampled :

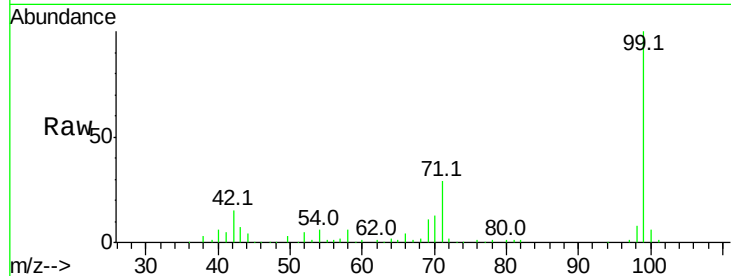
Tot Ion: 99 Resp: 208892

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

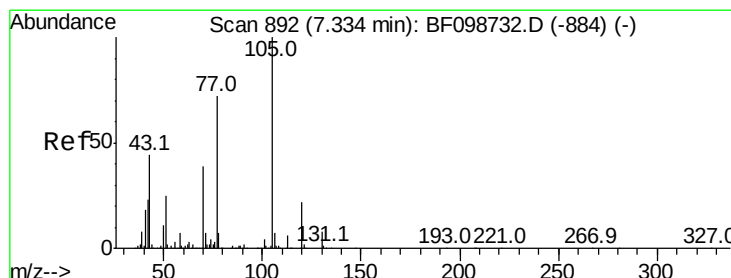
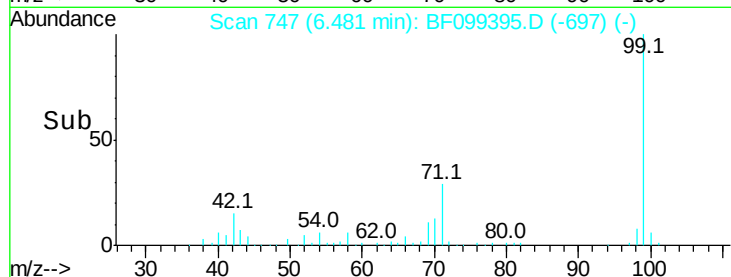
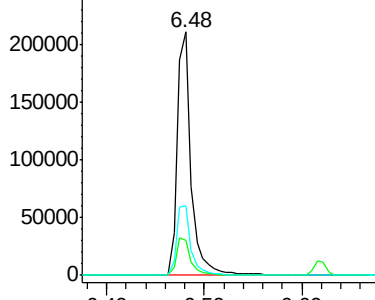
71 28.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.293 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Tgt Ion: 70 Resp: 14915

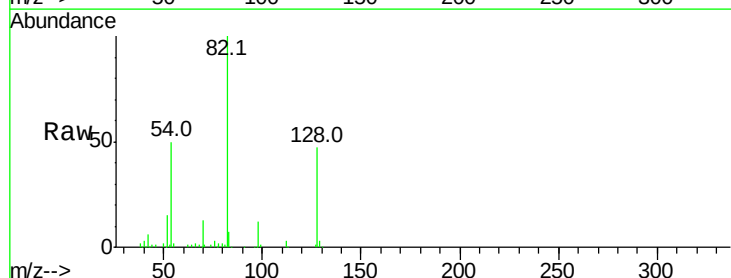
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

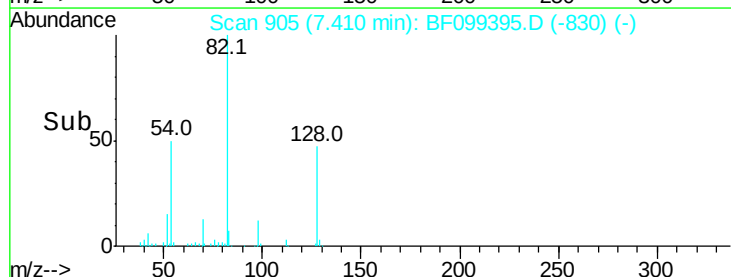
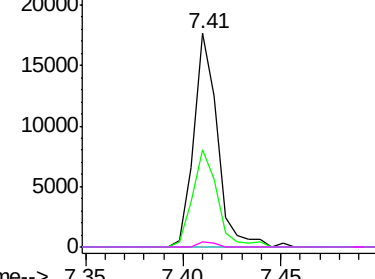


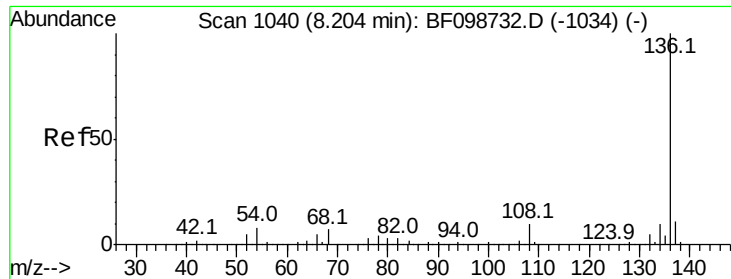
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

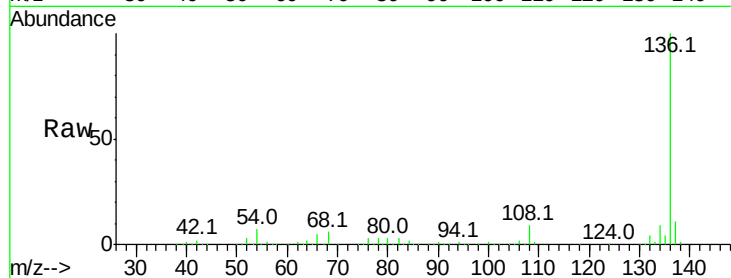




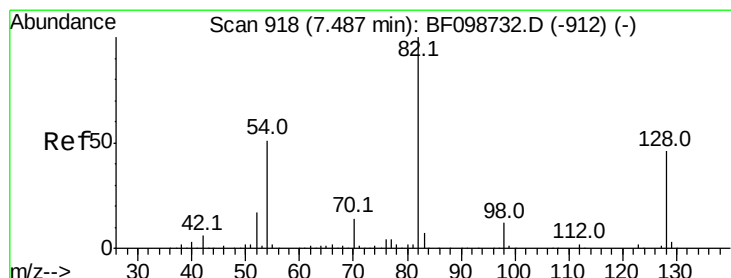
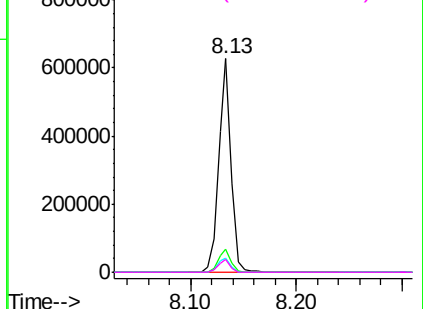
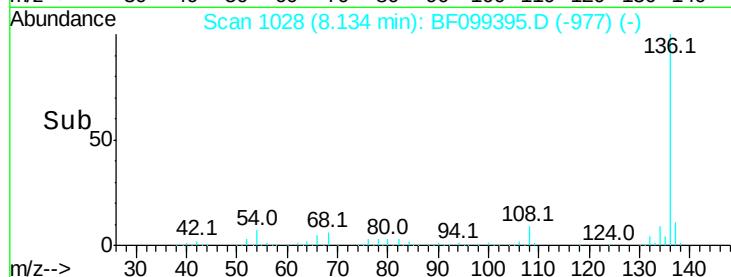
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	520111
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4

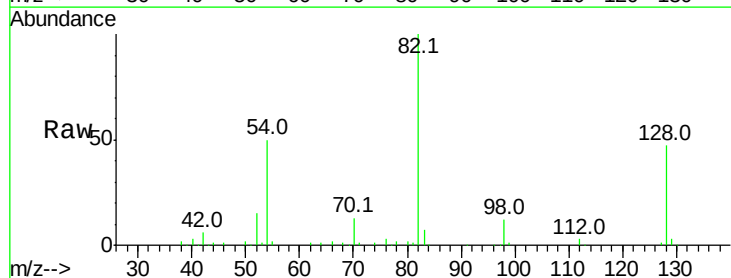


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

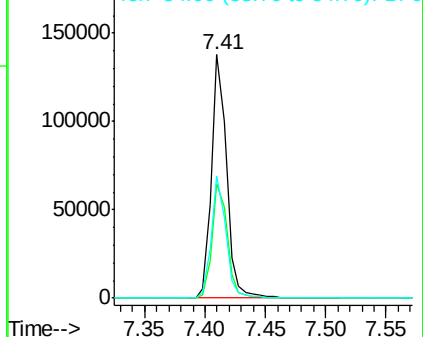
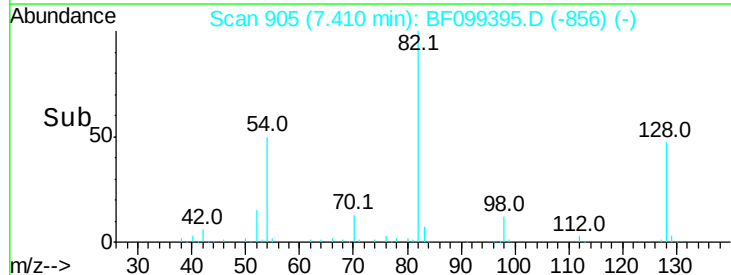


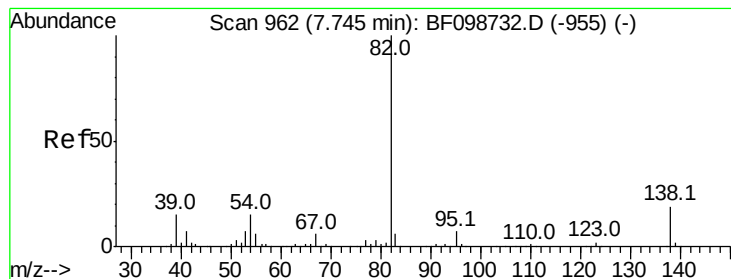
#23
Nitrobenzene-d5
Concen: 14.728 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:	82	Resp:	119447
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	50.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.123 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampleId :

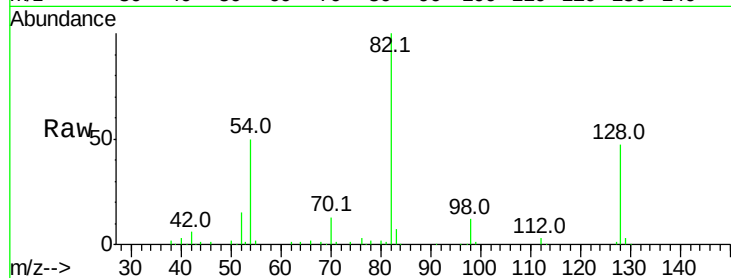
Tot Ion: 82 Resp: 119446

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

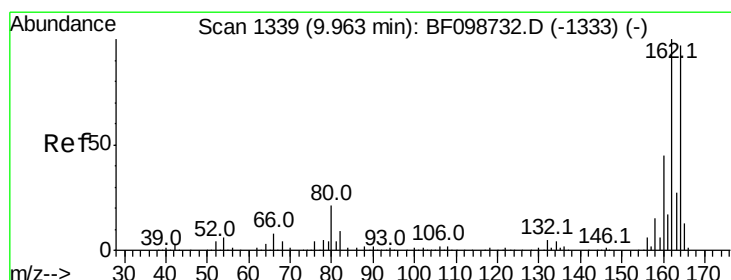
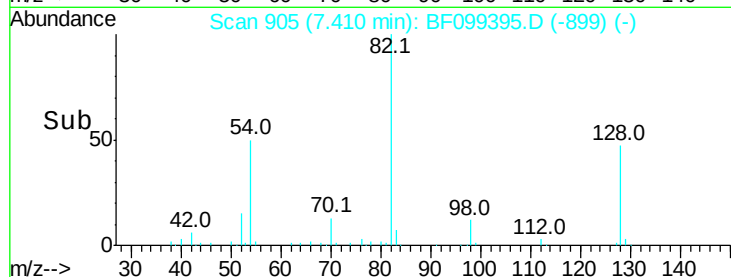
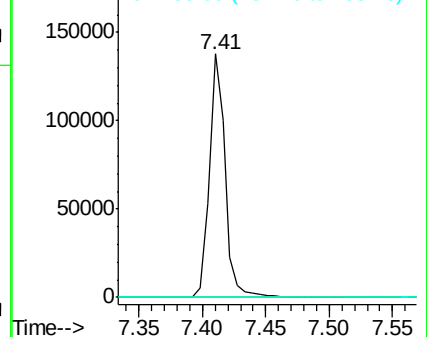
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

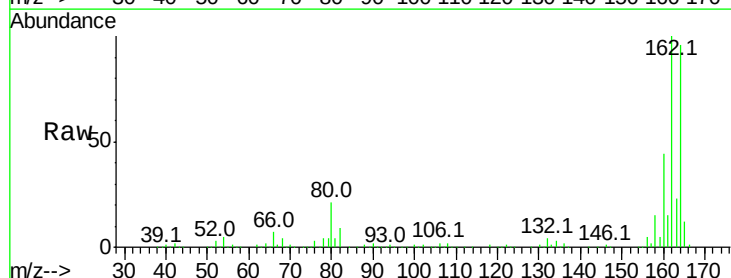
Tgt Ion:164 Resp: 223869

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

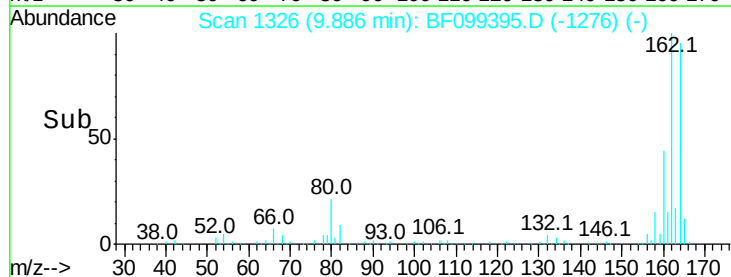
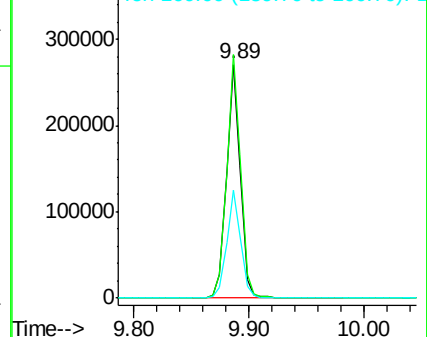
160 46.2 38.3 57.5

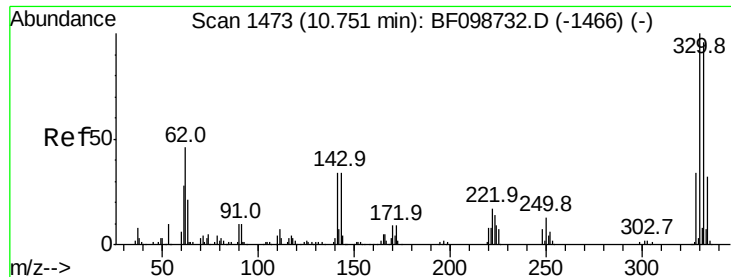


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

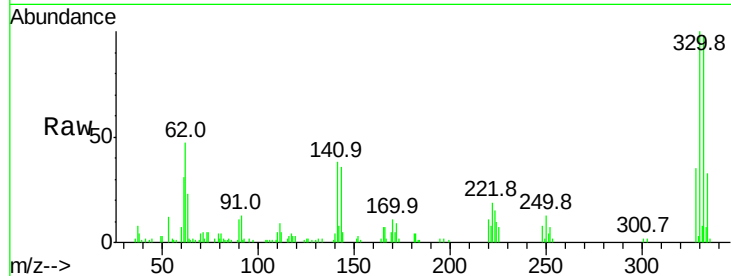




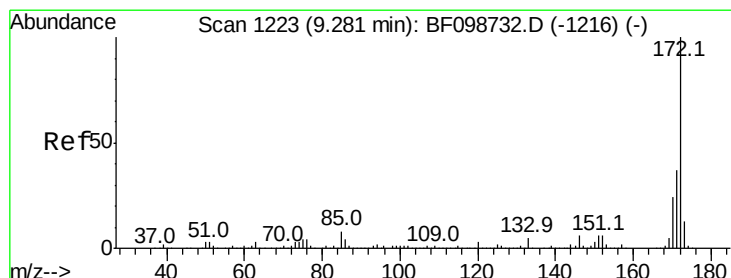
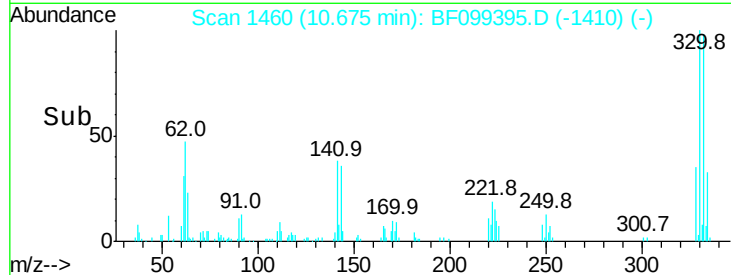
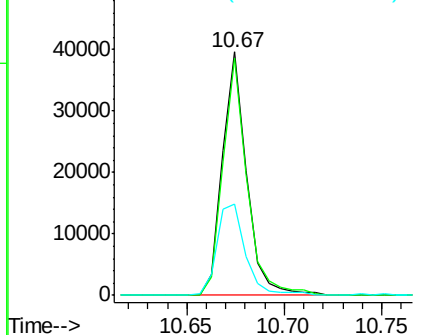
#41
 2,4,6-Tribromophenol
 Concen: 18.612 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 34095
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 44.7 29.9 44.9

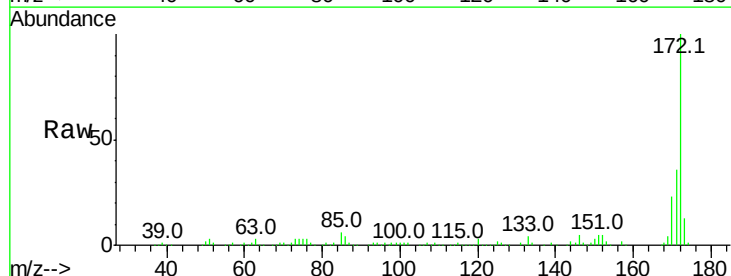


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

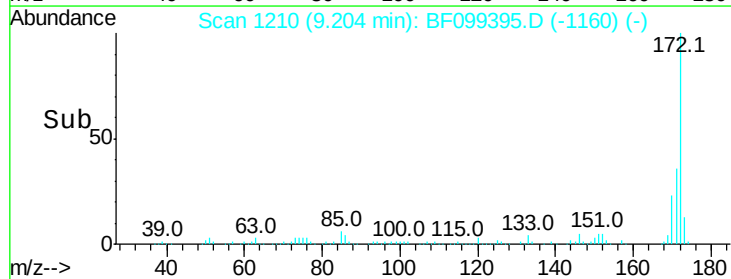
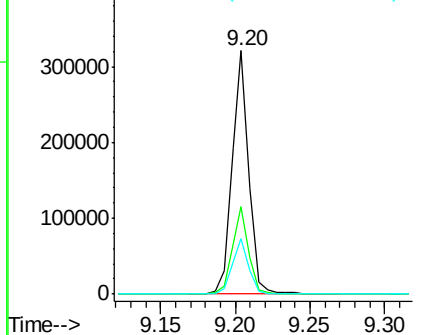


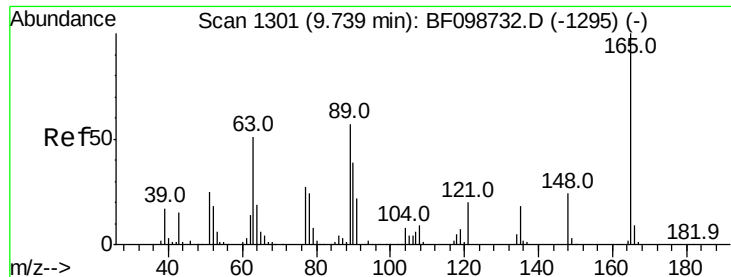
#44
 2-Fluorobiphenyl
 Concen: 18.932 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Tgt Ion:172 Resp: 253882
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 22.9 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

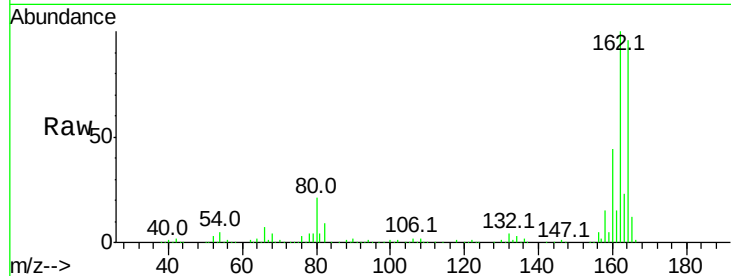




#50
 2,6-Dinitrotoluene
 Concen: 8.065 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

Instrument :
 BNA_F
 ClientSampleId :

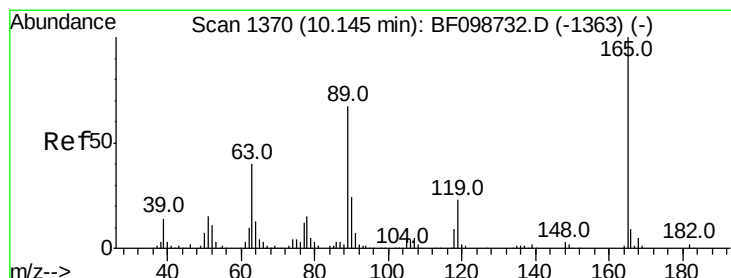
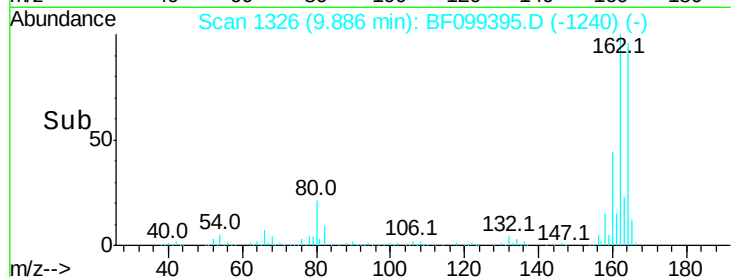
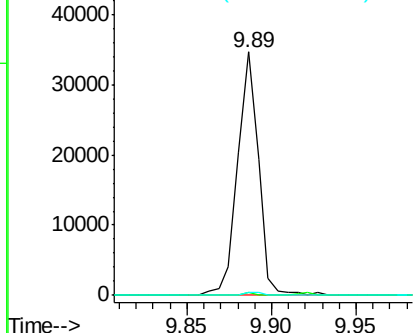
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.2	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.214 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099395.D
 Acq: 12 Oct 2017 15:00

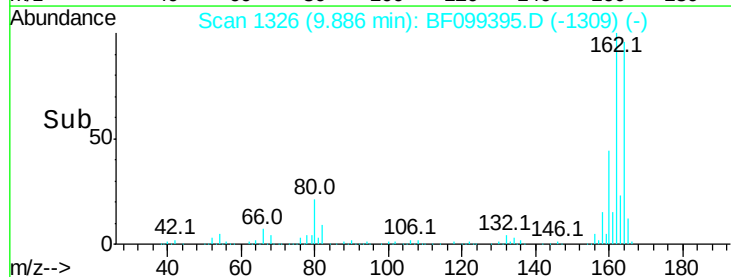
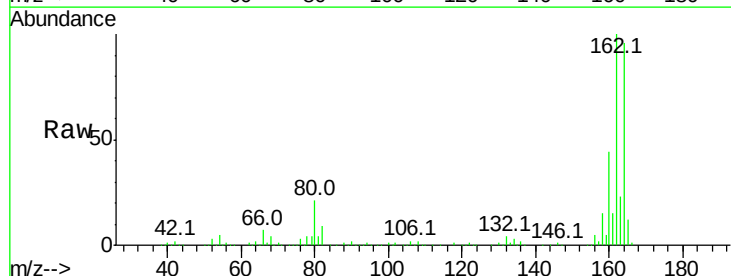
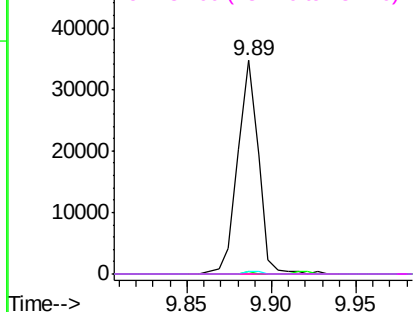
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

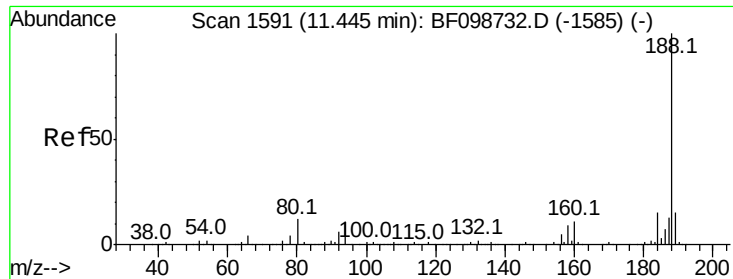
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

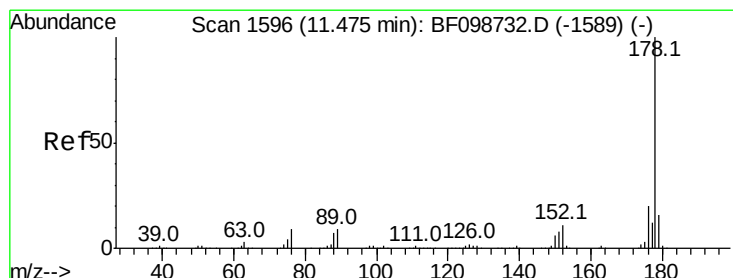
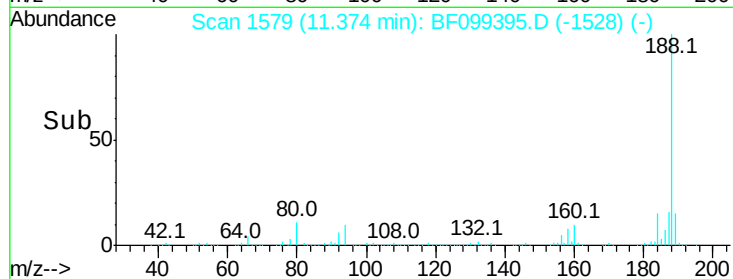
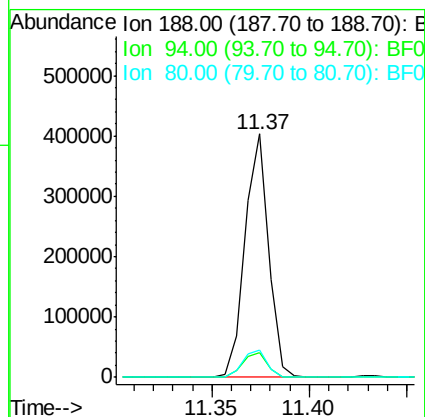
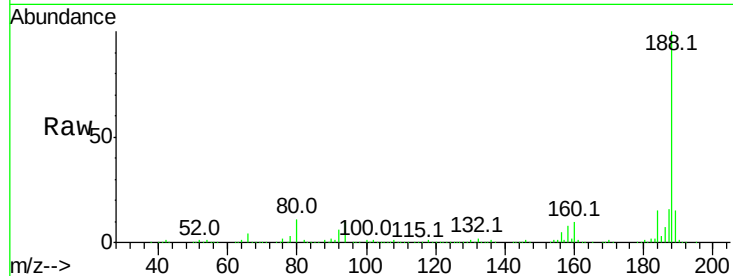




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

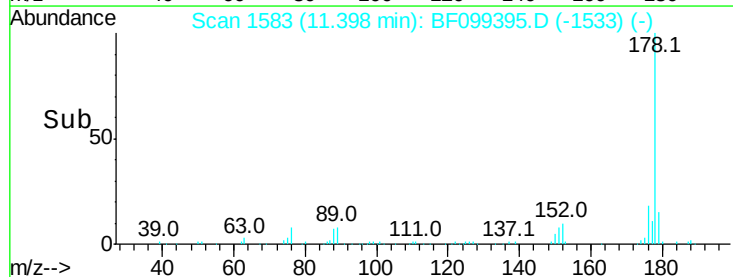
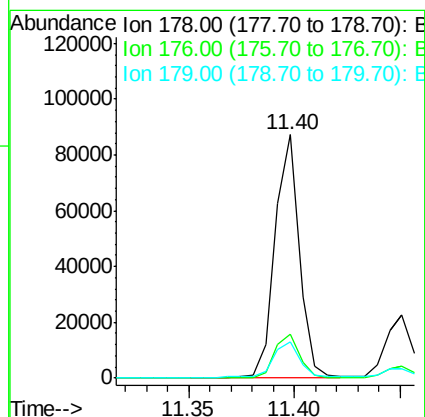
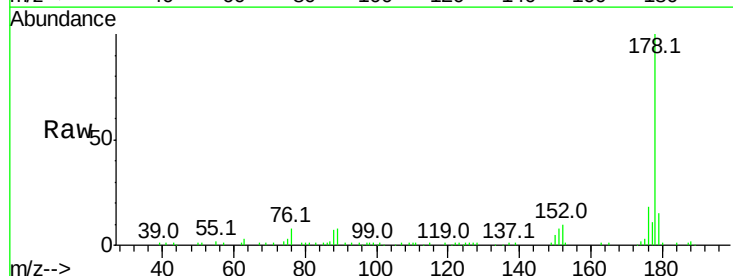
Instrument :
BNA_F
ClientSampled :

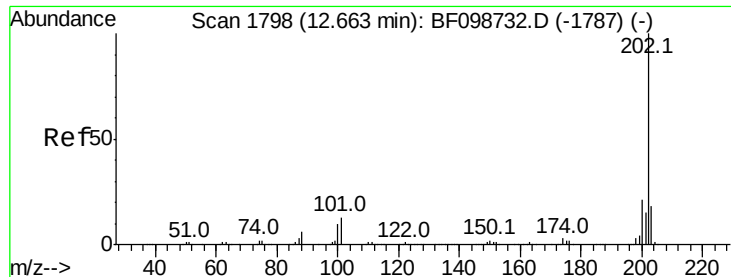
Tot Ion:188 Resp: 338996
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.2 9.2 13.8



#70
Phenanthrene
Concen: 3.864 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:178 Resp: 70110
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.0 13.0 19.6





#74

Fluoranthene

Concen: 5.357 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampleId :

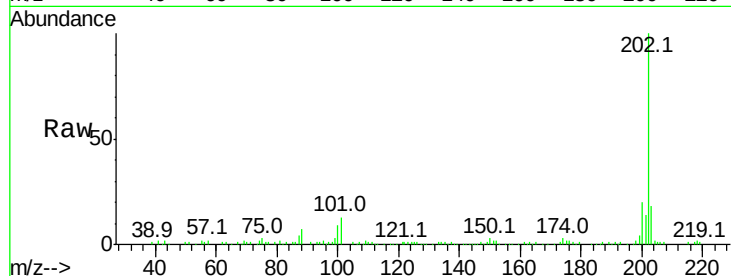
Tot Ion:202 Resp: 98431

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

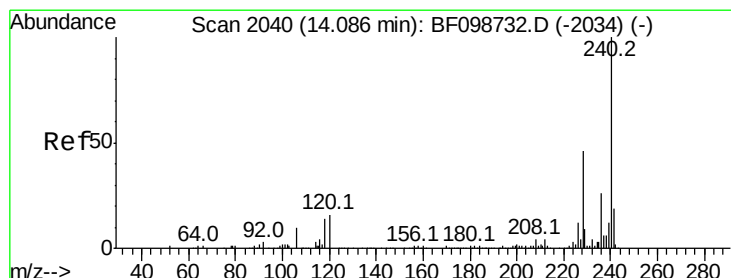
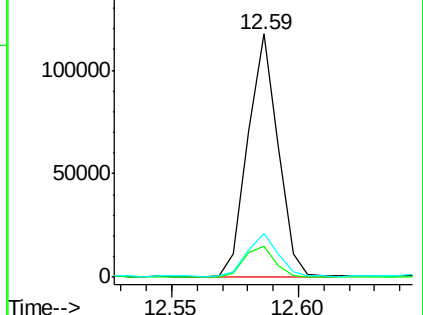
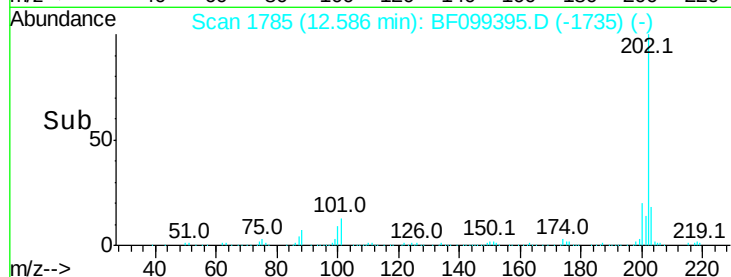
203 17.9 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

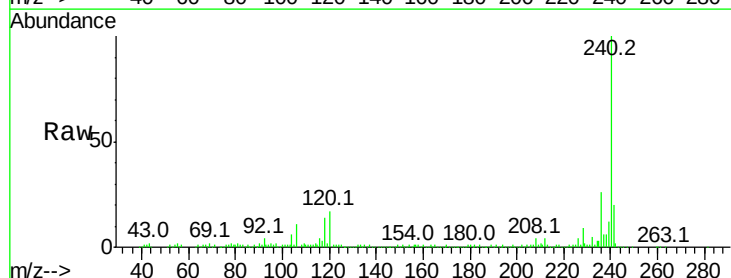
Tgt Ion:240 Resp: 205663

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

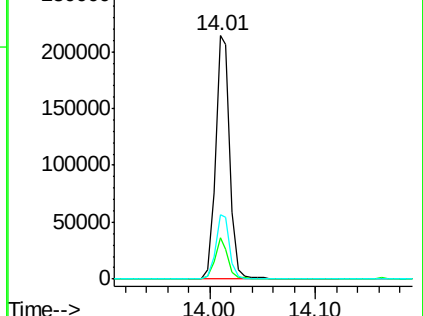
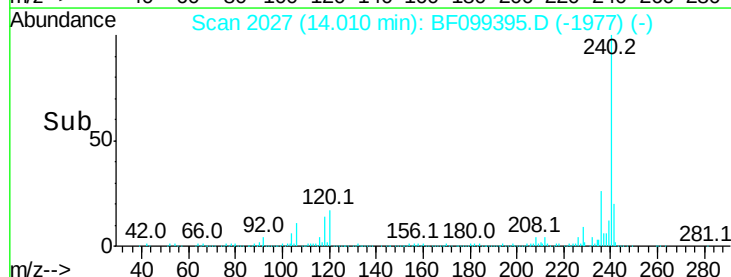
236 26.4 20.7 31.1

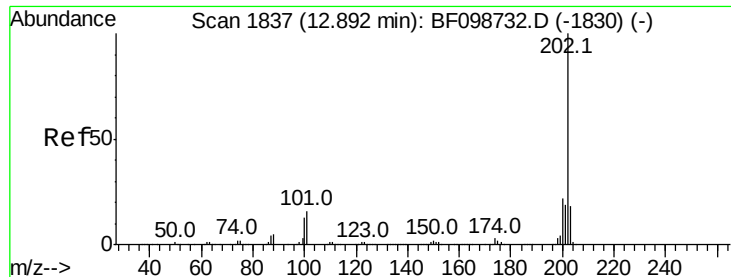


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

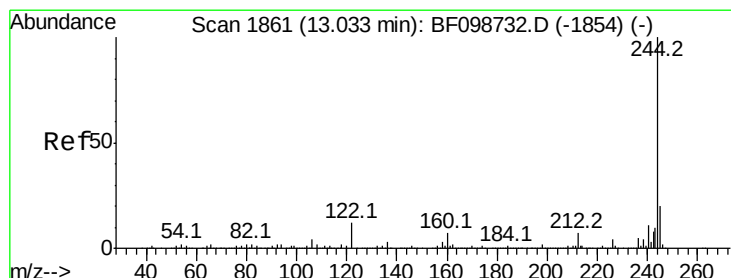
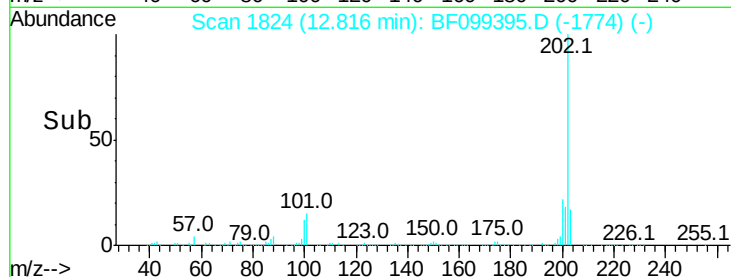
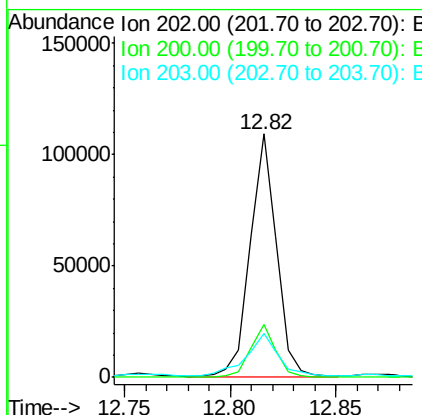
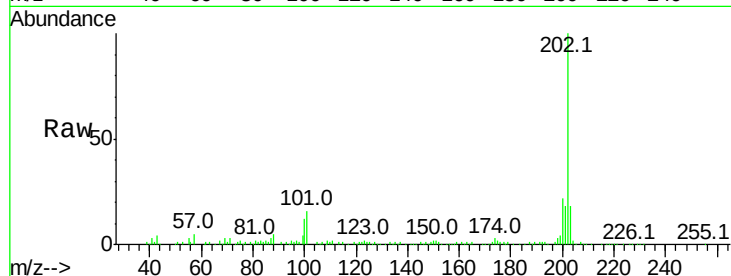




#77
Pvrene
Concen: 6.007 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

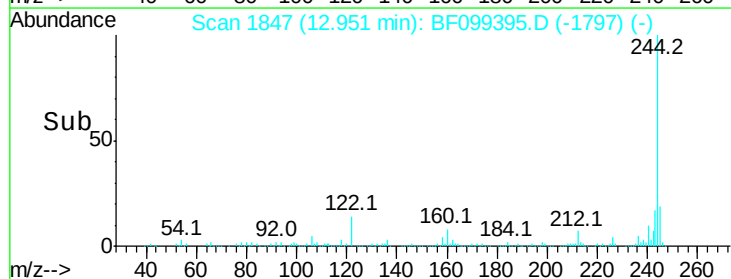
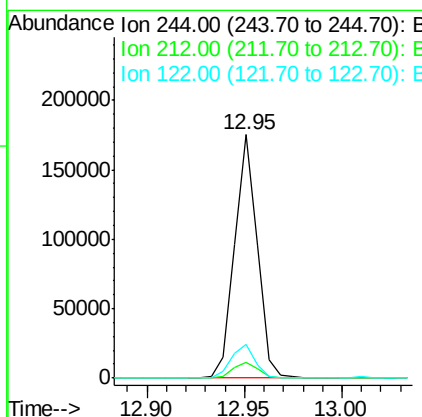
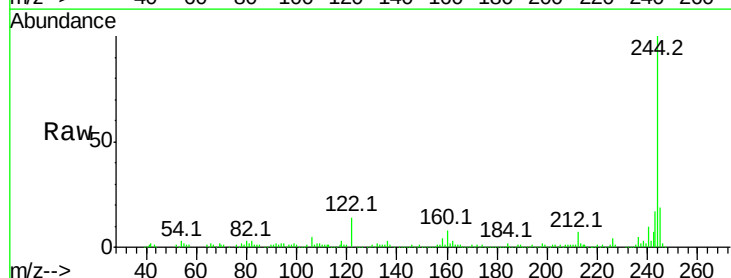
Instrument :
BNA_F
ClientSampled :

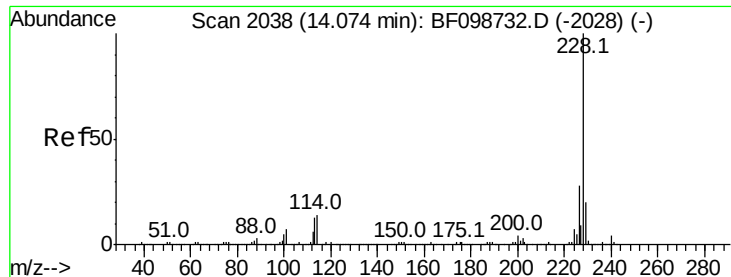
Tot Ion:202 Resp: 94198
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.9 14.3 21.5



#78
Terphenyl-d14
Concen: 15.614 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:244 Resp: 141206
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 13.8 11.0 16.4





#80

Benzo(a)anthracene

Concen: 3.345 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampleId :

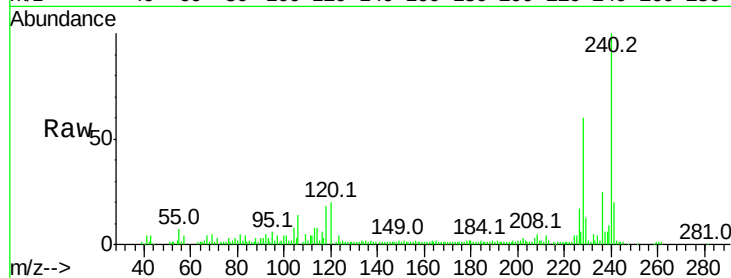
Tot Ion:228 Resp: 41659

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

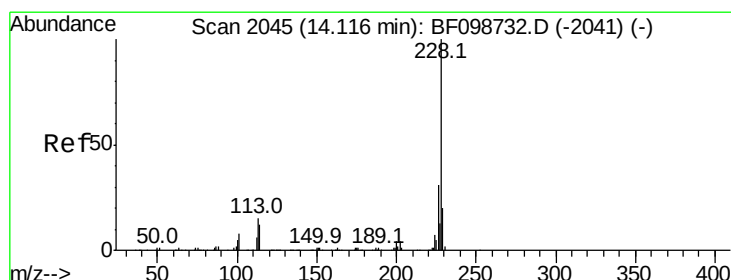
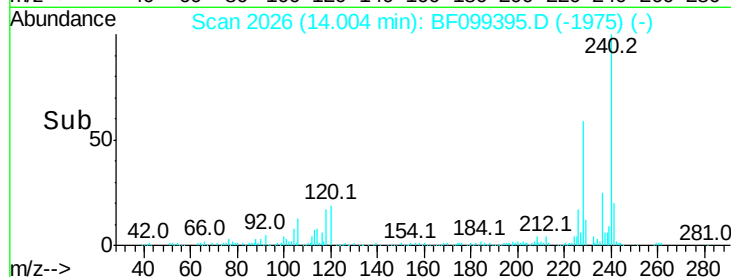
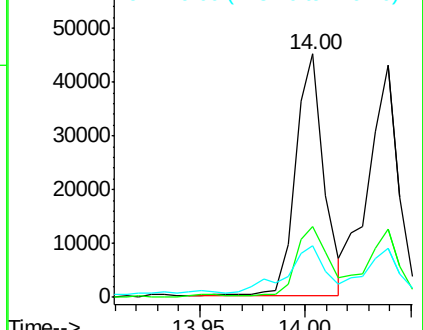
229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.637 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

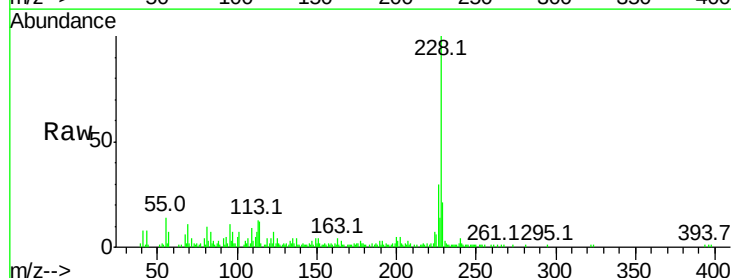
Tgt Ion:228 Resp: 43123

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

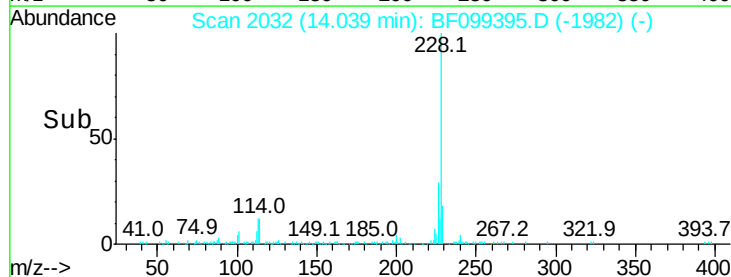
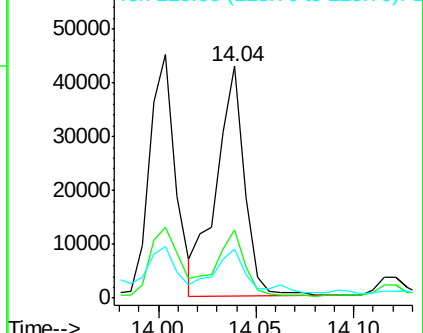
229 21.0 16.2 24.4

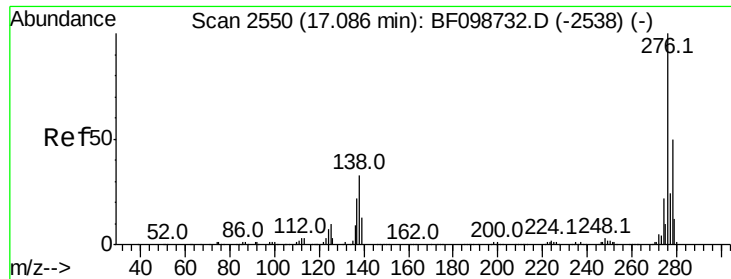


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

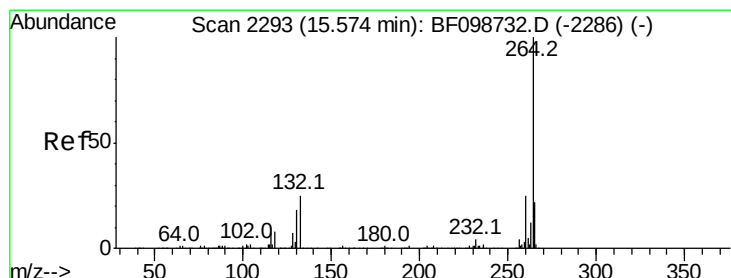
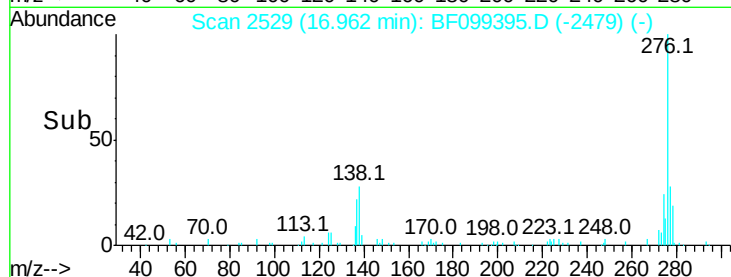
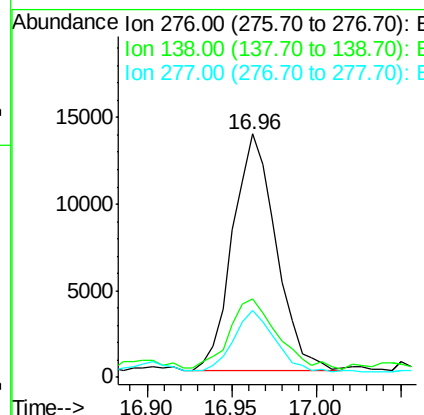
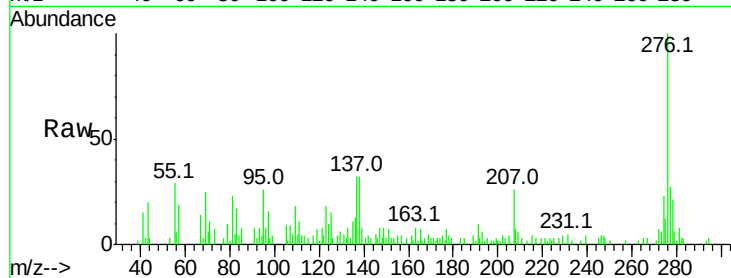




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.572 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

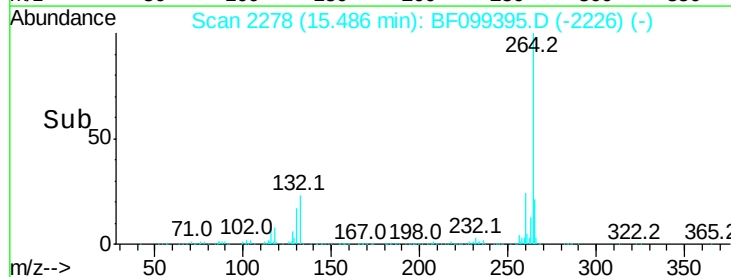
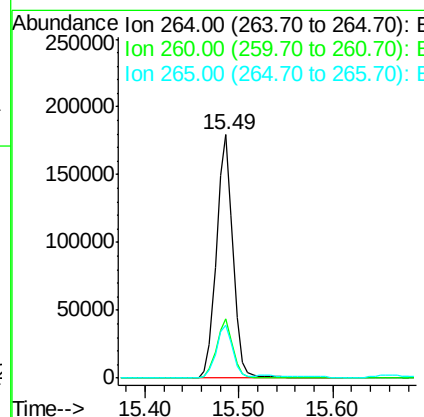
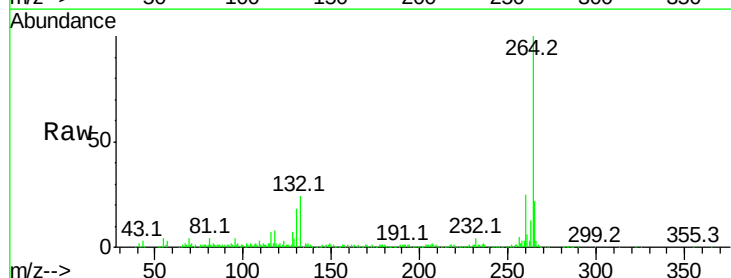
Instrument :
BNA_F
ClientSampleId :

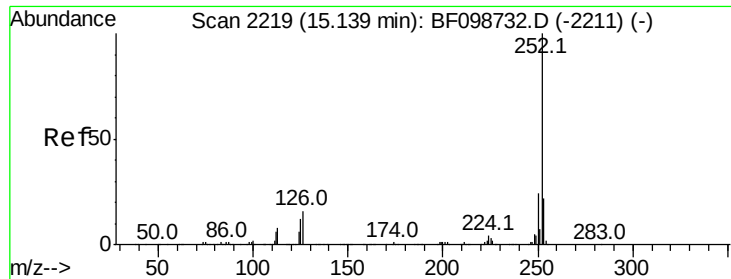
Tot Ion:276 Resp: 24393
Ion Ratio Lower Upper
276 100
138 32.0 25.0 37.6
277 25.3 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:264 Resp: 224366
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.6 17.5 26.3

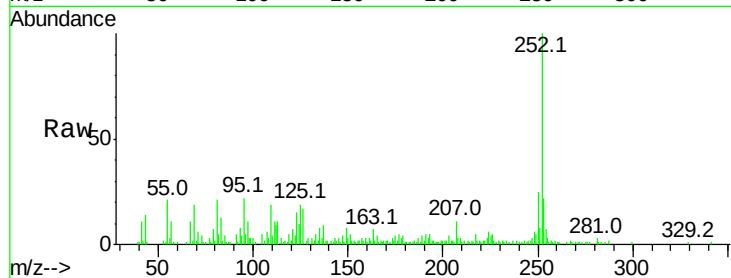




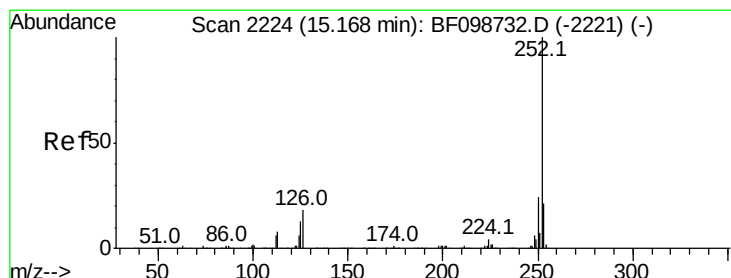
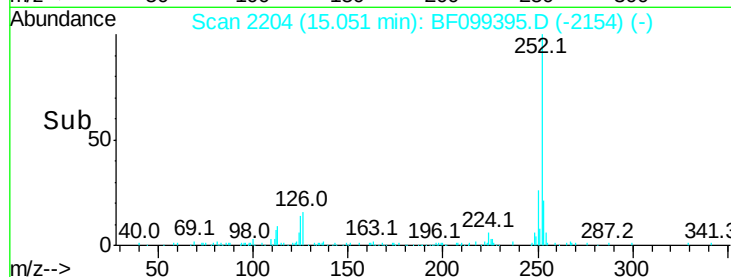
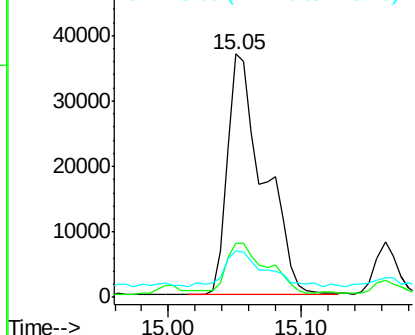
#87
Benzo(b)fluoranthene
Concen: 5.076 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 70025
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 19.0 9.0 13.6#

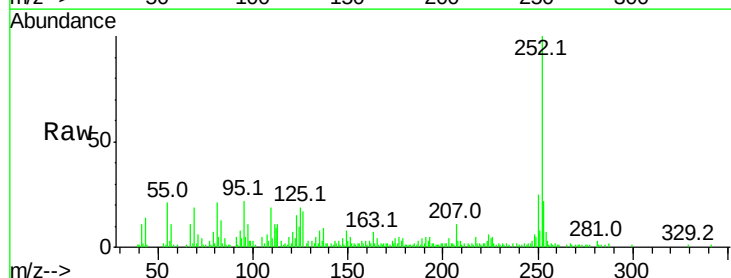


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

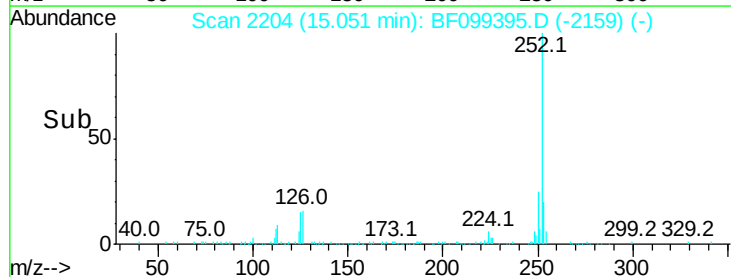
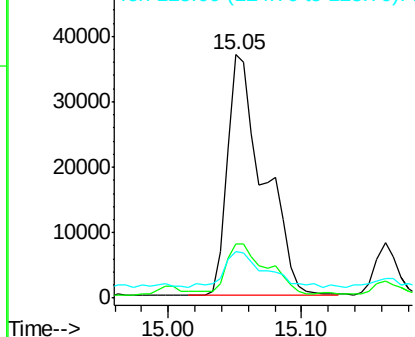


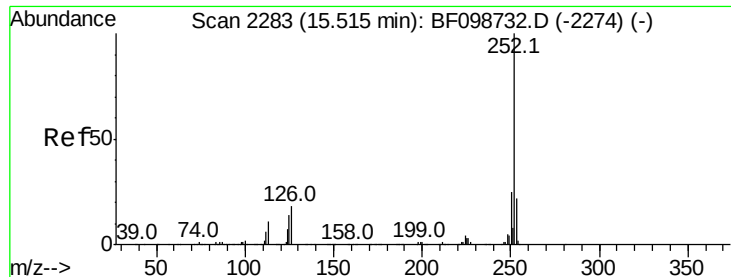
#88
Benzo(k)fluoranthene
Concen: 5.139 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF099395.D
Acq: 12 Oct 2017 15:00

Tgt Ion:252 Resp: 70025
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 19.0 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: 3.452 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

Instrument :

BNA_F

ClientSampleId :

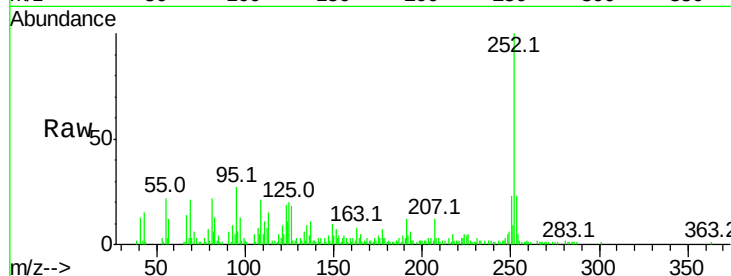
Tot Ion:252 Resp: 43712

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

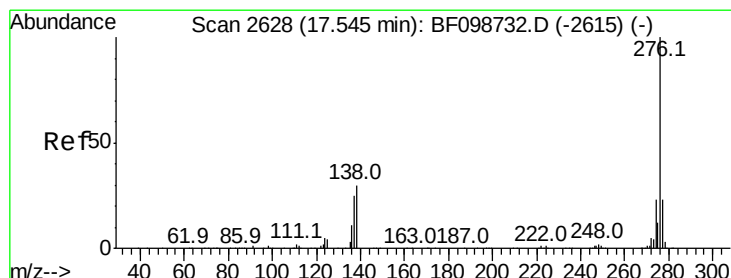
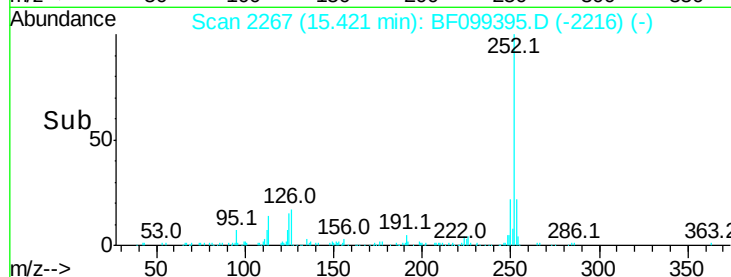
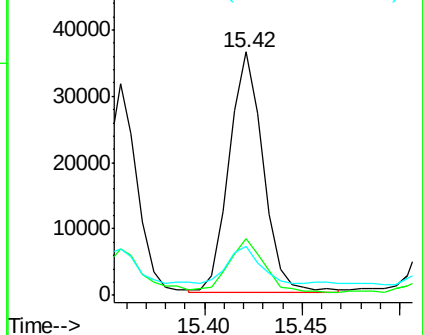
125 20.2 9.8 14.6#



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(g,h,i)perylene

Concen: 3.326 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF099395.D

Acq: 12 Oct 2017 15:00

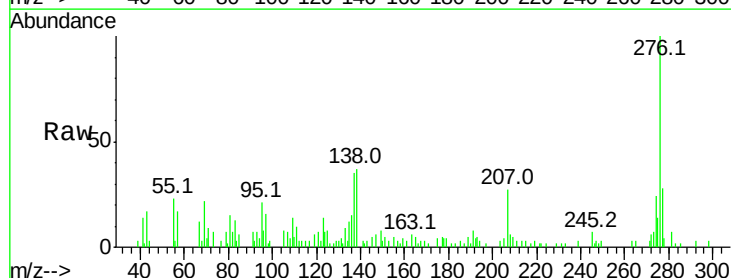
Tgt Ion:276 Resp: 33320

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 37.0 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

