

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099825.D
 Acq On : 25 Oct 2017 20:47
 Operator : SJ/JU
 Sample : I6068-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Quant Time: Oct 26 02:36:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

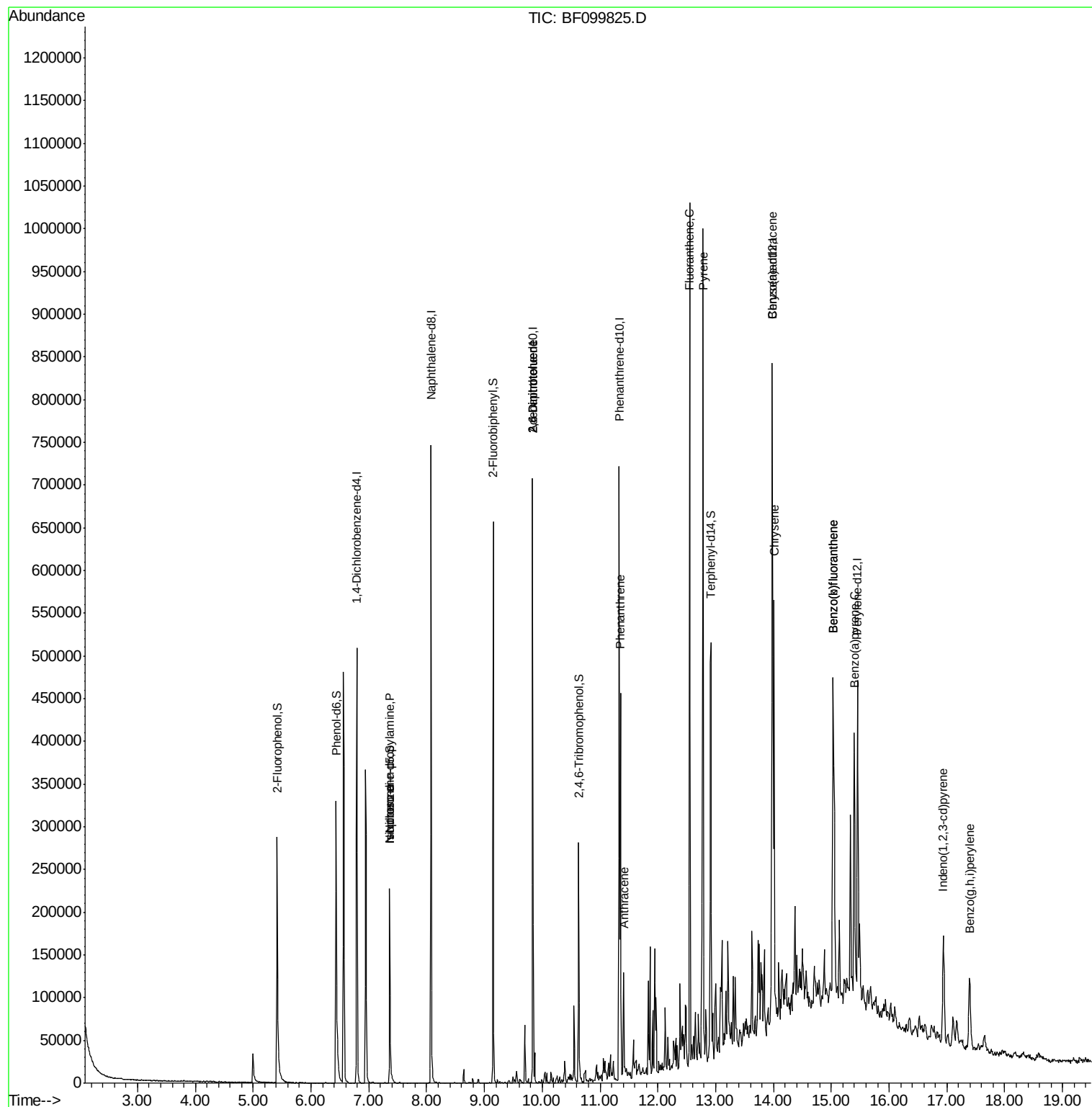
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	79937	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	325260	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	147152	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	253873	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185568	20.00	ng	0.00
86) Perylene-d12	15.46	264	169861	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	126073	24.76	ng	0.00
7) Phenol-d6	6.43	99	162482	26.91	ng	0.00
23) Nitrobenzene-d5	7.36	82	87855	17.39	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	33195	24.75	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	187203	19.63	ng	0.00
78) Terphenyl-d14	12.92	244	151640	17.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	10534	2.977	ng	# 68
25) Isophorone	7.36	82	87855	9.583	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	18108	7.392	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	18108	6.138	ng	# 21
70) Phenanthrene	11.35	178	168734	11.777	ng	97
71) Anthracene	11.41	178	52005	3.576	ng	97
74) Fluoranthene	12.55	202	381729	25.638	ng	98
77) Pyrene	12.78	202	373928	26.500	ng	98
80) Benzo(a)anthracene	13.97	228	212082	18.028	ng	100
82) Chrysene	14.01	228	170735	15.438	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	68876	6.784	ng	97
87) Benzo(b)fluoranthene	15.03	252	283868	26.466	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	283868	28.066	ng	98
89) Benzo(a)pyrene	15.40	252	148856	15.450	ng	96
91) Benzo(a,h,i)perylene	17.39	276	63219	7.548	ng	94

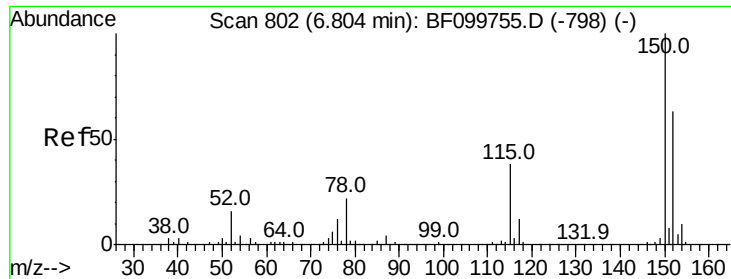
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099825.D
Acq On : 25 Oct 2017 20:47
Operator : SJ/JU
Sample : I6068-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06

Quant Time: Oct 26 02:36:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 17:02:52 2017
Response via : Initial Calibration



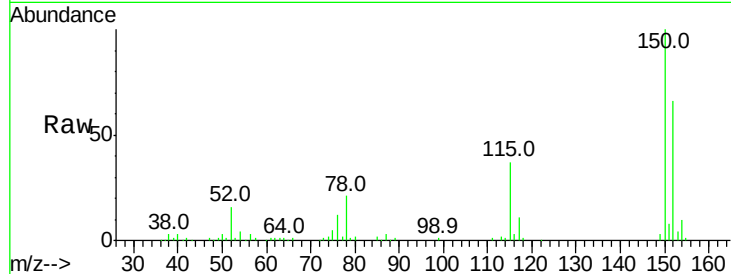


#1

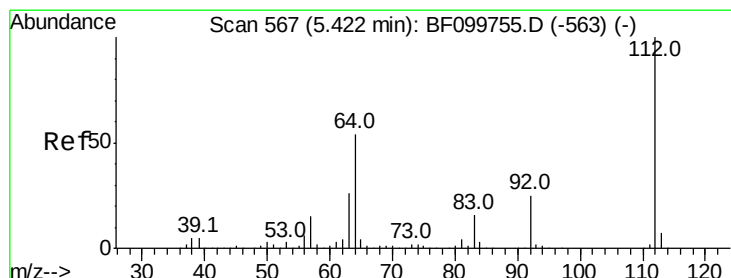
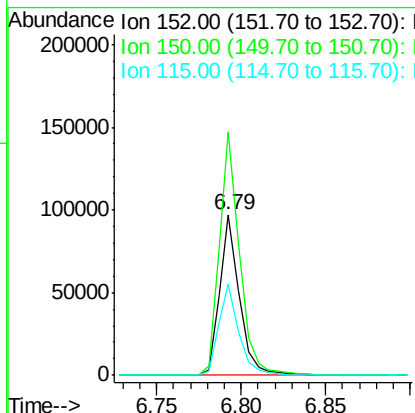
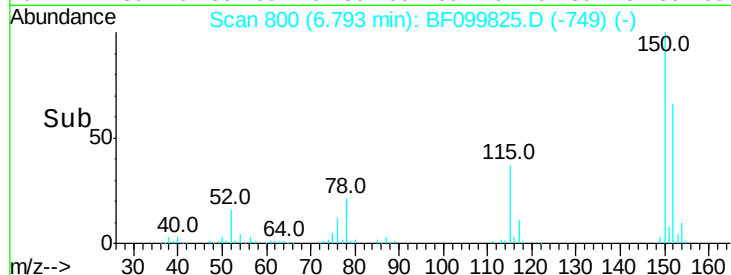
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
ClientSampleId :
SB-06

Tot Ion:152 Resp: 79937
Ion Ratio Lower Upper
152 100
150 151.7 124.6 186.8
115 56.6 50.1 75.1



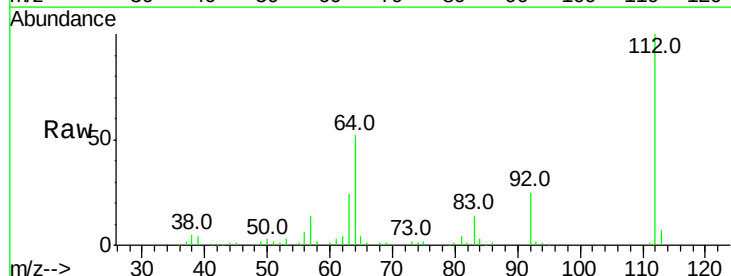
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



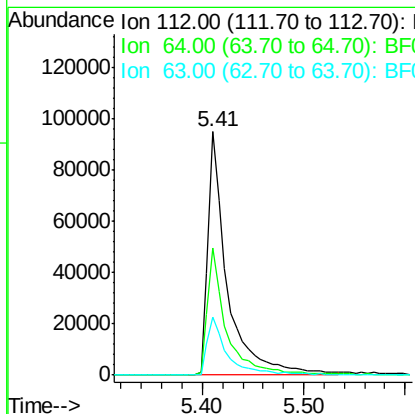
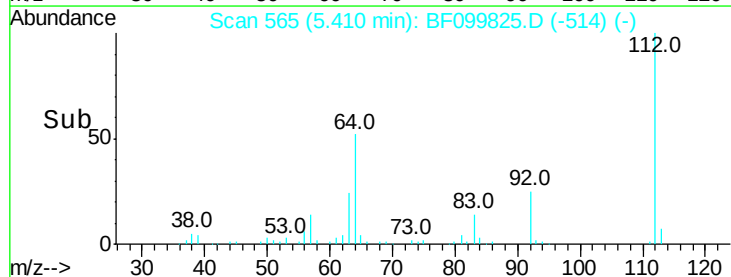
#5

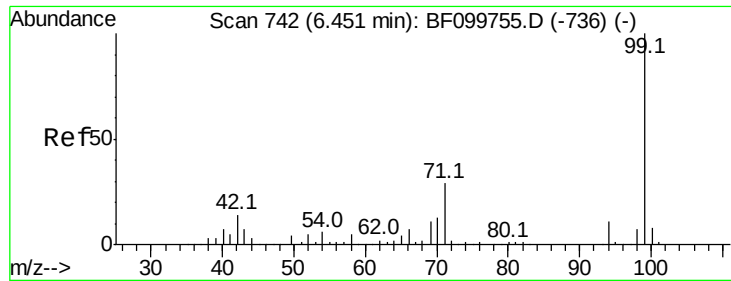
2-Fluorophenol
Concen: 24.761 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion:112 Resp: 126073
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 24.1 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: 26.913 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

SB-06

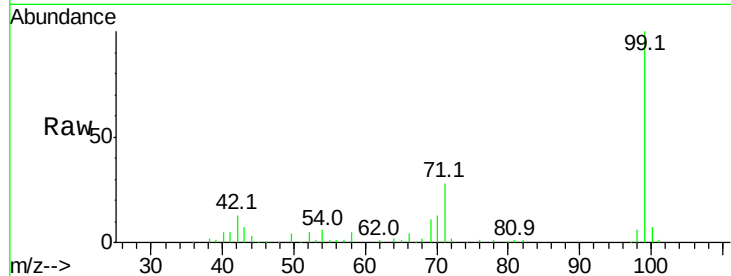
Tot Ion: 99 Resp: 162482

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

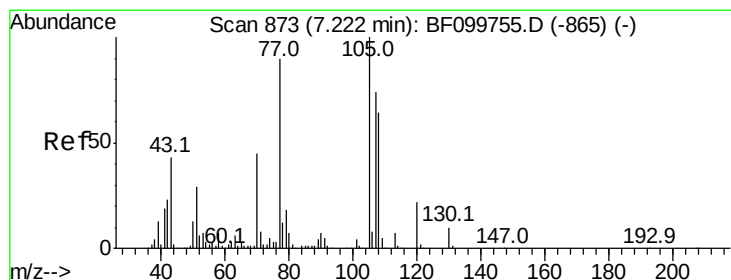
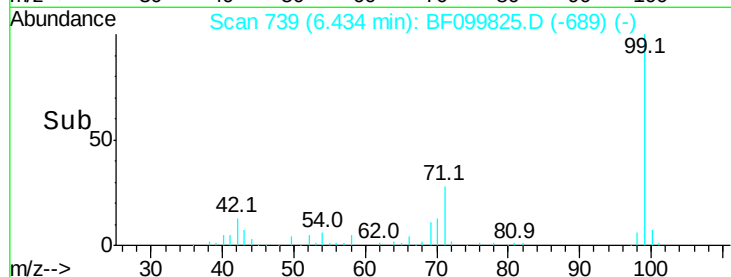
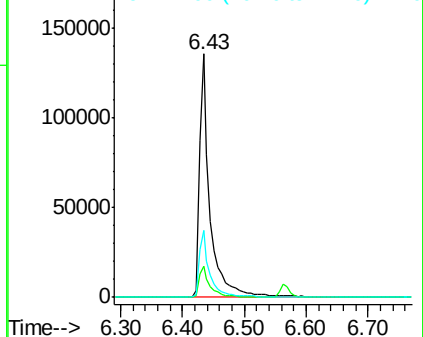
71 27.8 25.4 38.0



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: 2.977 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Tgt Ion: 70 Resp: 10534

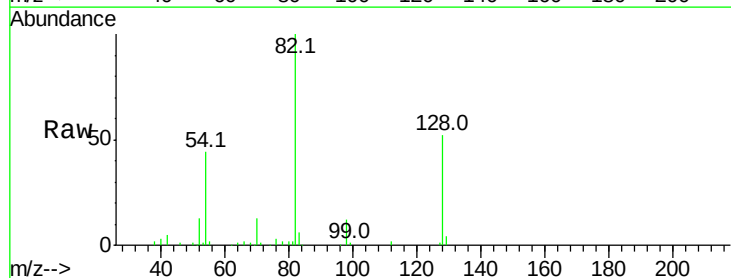
Ion Ratio Lower Upper

70 100

42 37.7 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

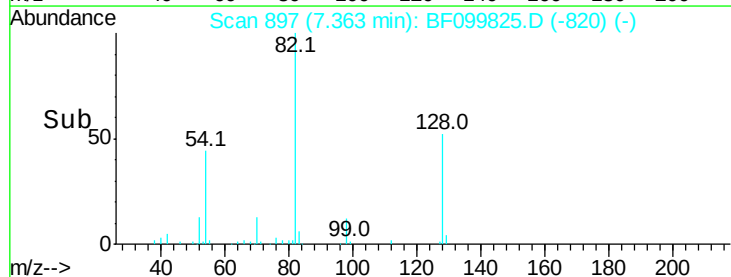
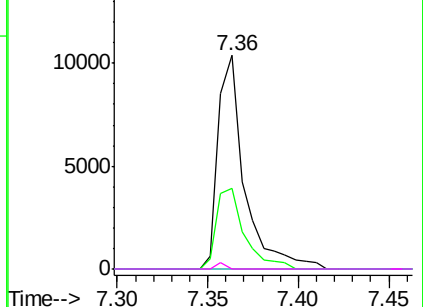


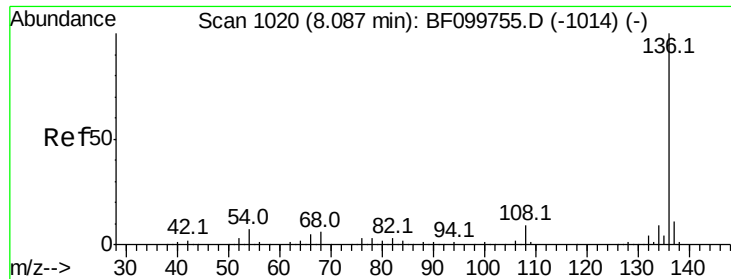
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

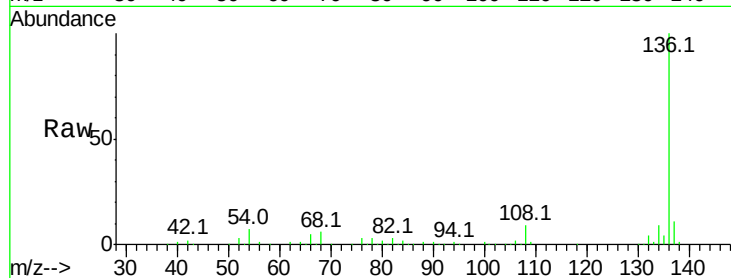




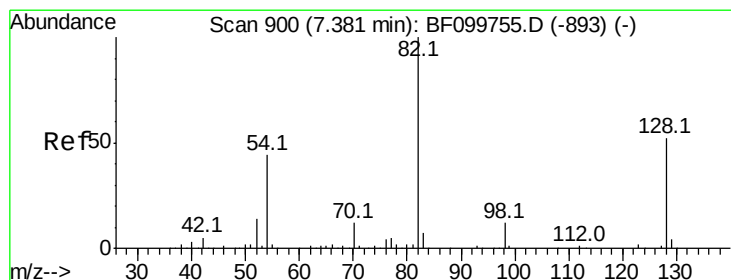
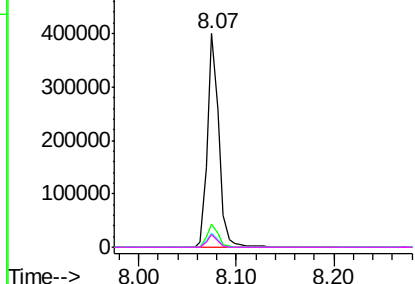
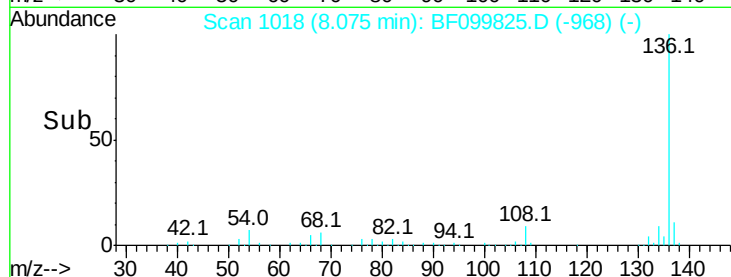
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
ClientSampleId :
SB-06

Tot Ion:	136	Resp:	325260
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	6.6	9.8
68	5.9	5.0	7.4

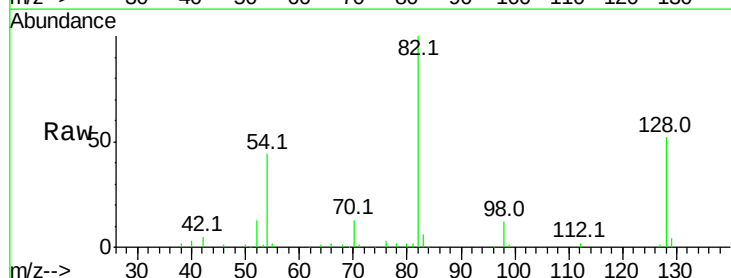


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

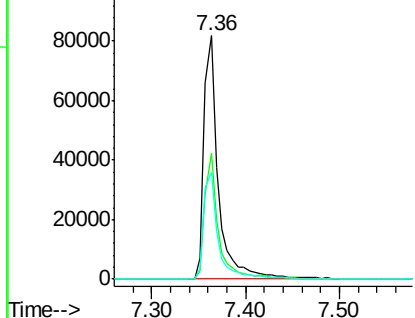
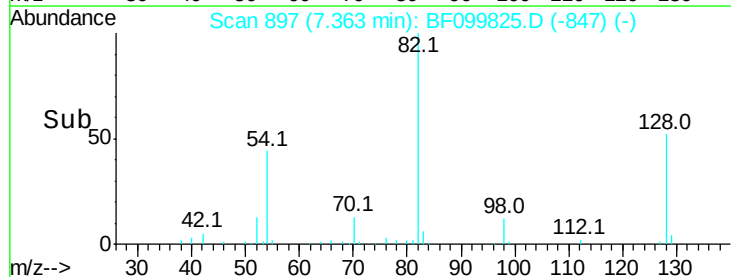


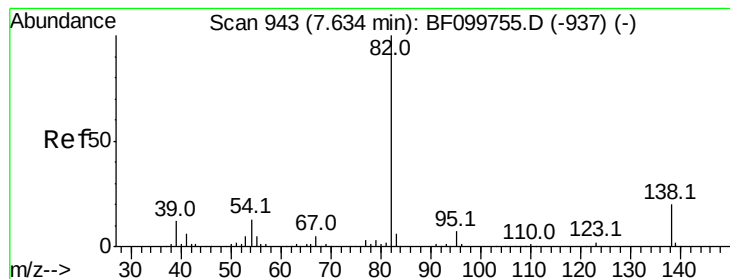
#23
Nitrobenzene-d5
Concen: 17.390 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion:	82	Resp:	87855
Ion	Ratio	Lower	Upper
82	100		
128	51.9	36.1	54.1
54	43.5	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: 9.583 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampled :

SB-06

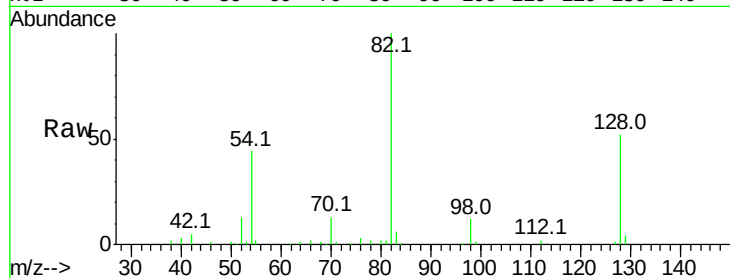
Tot Ion: 82 Resp: 87855

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

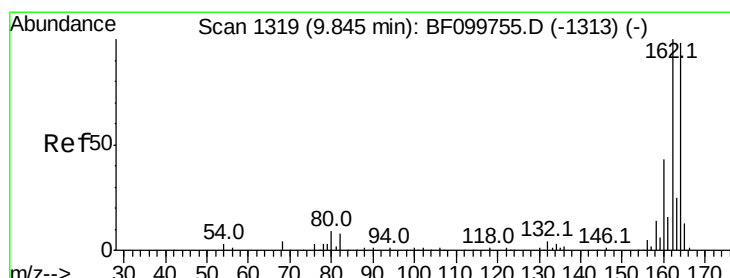
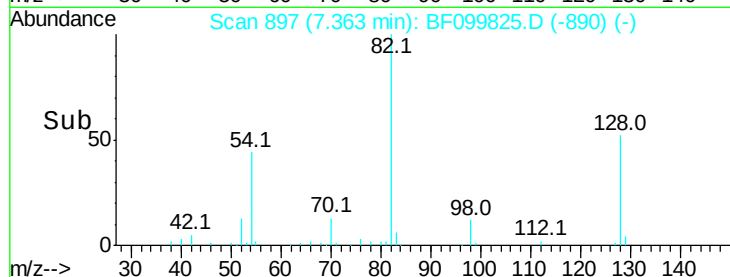
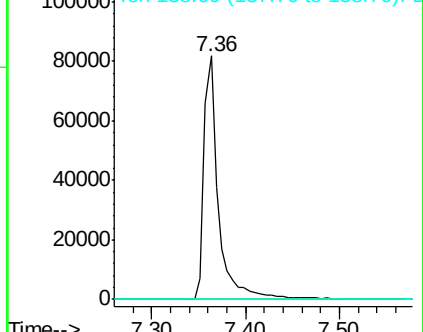
138 0.0 14.9 22.3#



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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

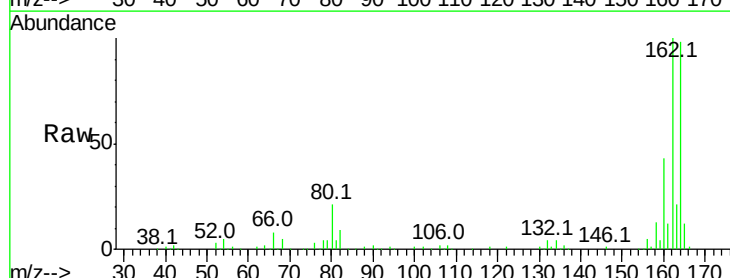
Tgt Ion:164 Resp: 147152

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

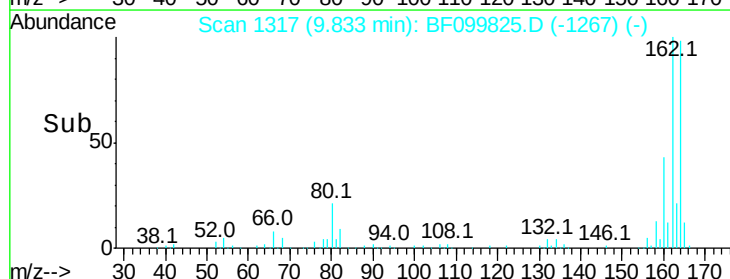
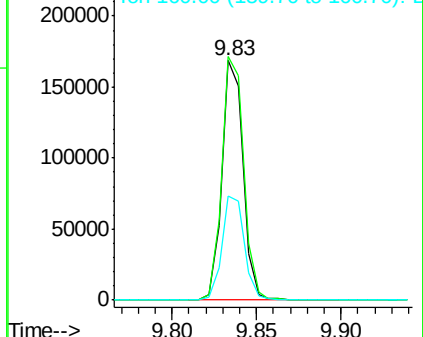
160 43.3 38.3 57.5

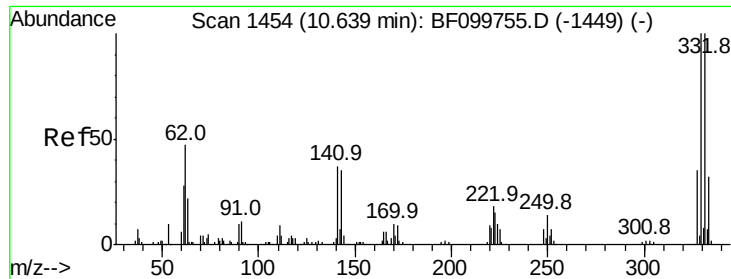


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 24.754 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampled :

SB-06

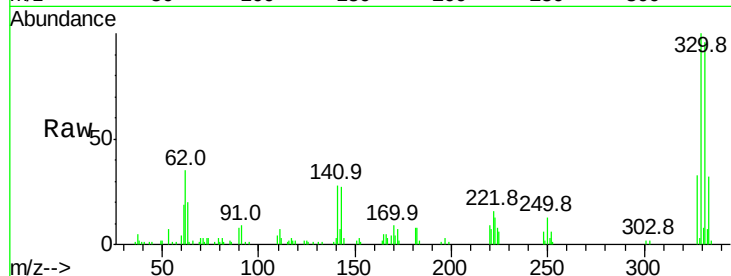
Tot Ion:330 Resp: 33195

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

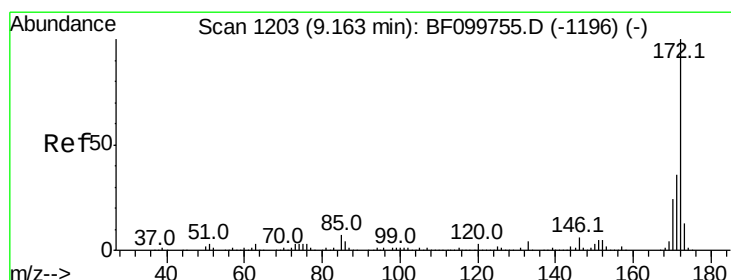
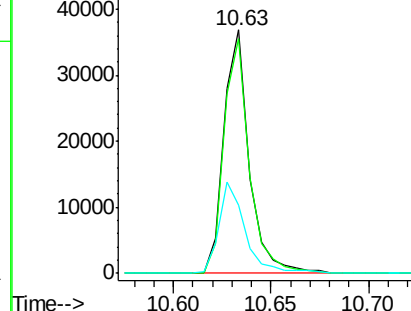
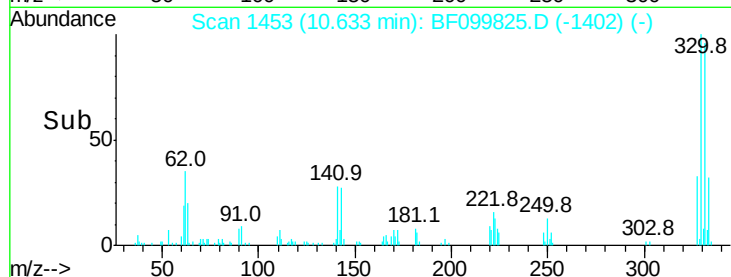
141 39.2 29.9 44.9



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: 19.628 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

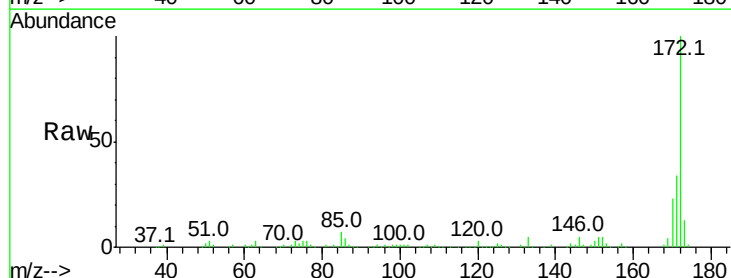
Tgt Ion:172 Resp: 187203

Ion Ratio Lower Upper

172 100

171 34.5 29.7 44.5

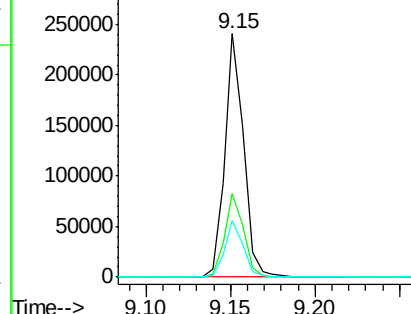
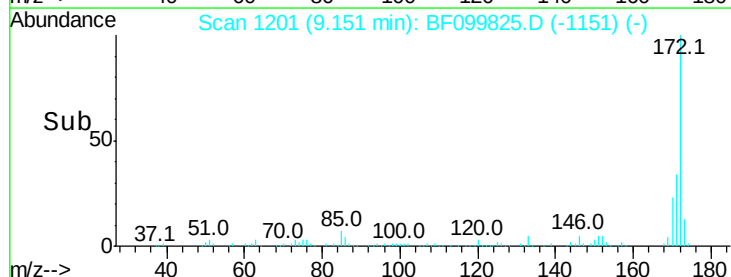
170 23.4 19.6 29.4

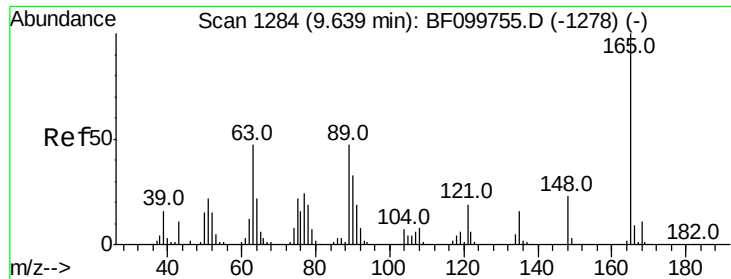


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

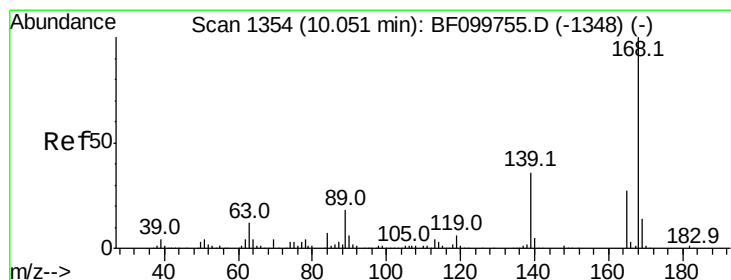
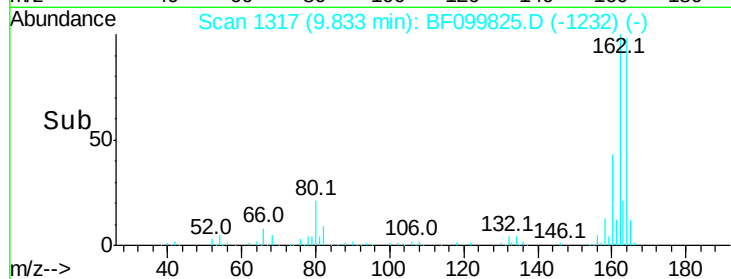
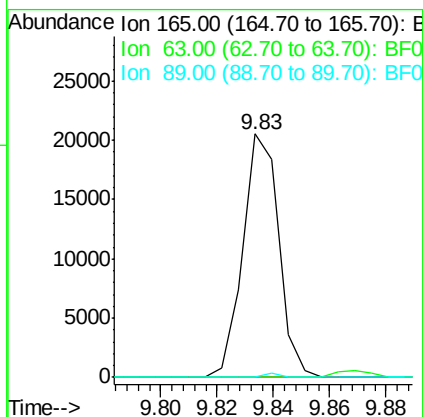
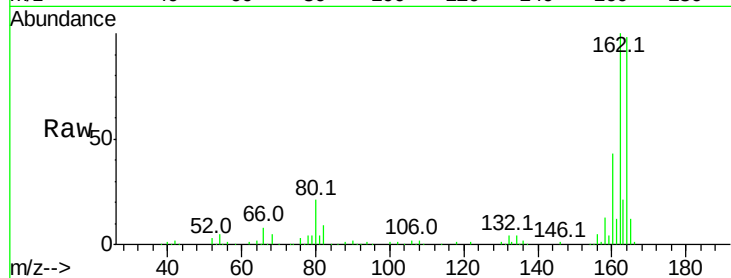




#50
 2,6-Dinitrotoluene
 Concen: 7.392 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

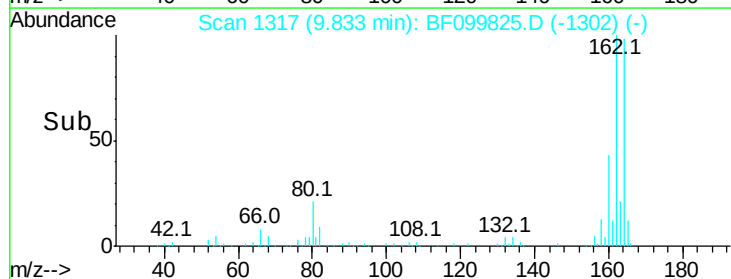
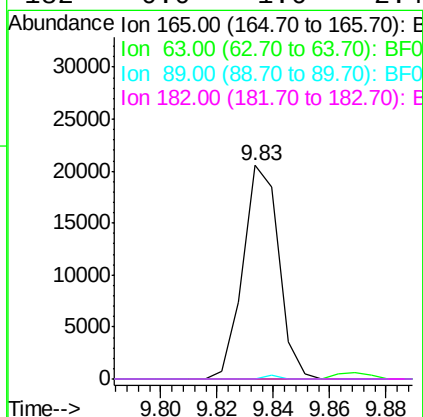
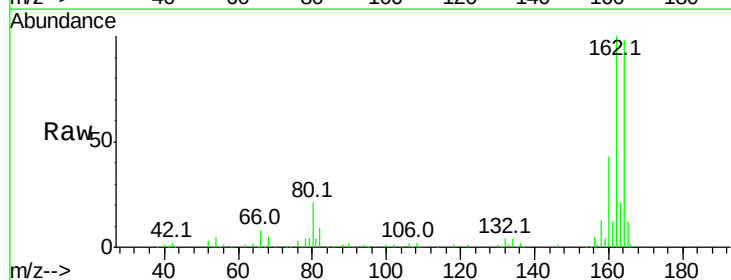
Instrument :
 BNA_F
 ClientSampleId :
 SB-06

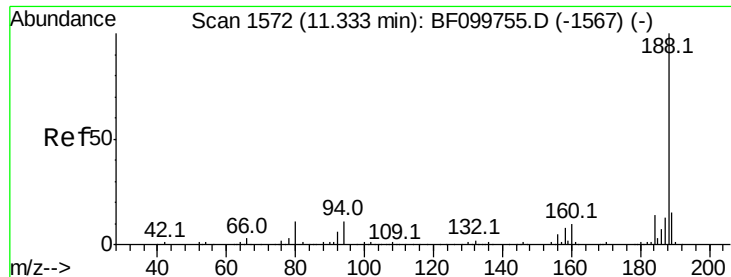
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.138 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

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#

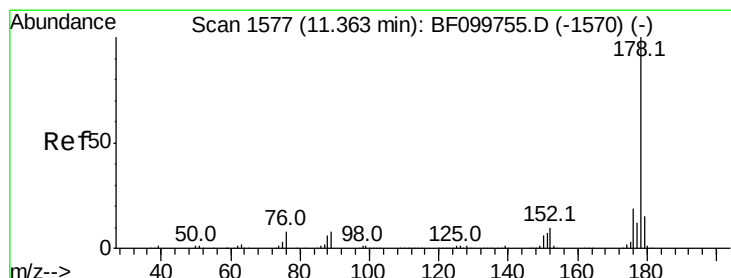
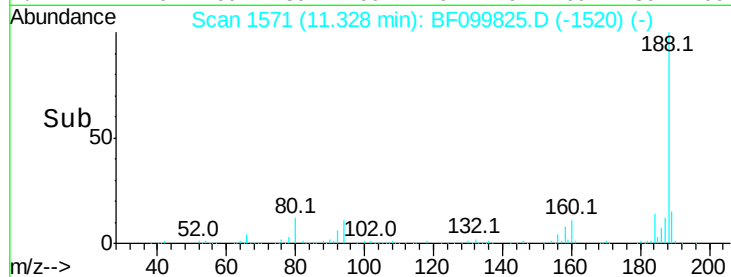
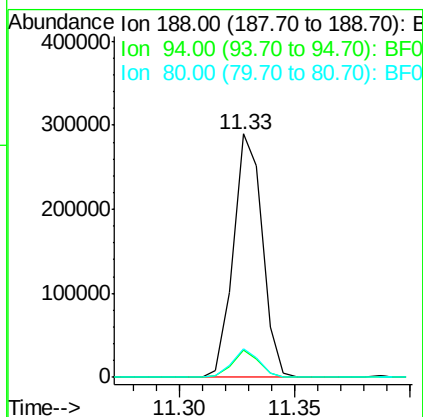
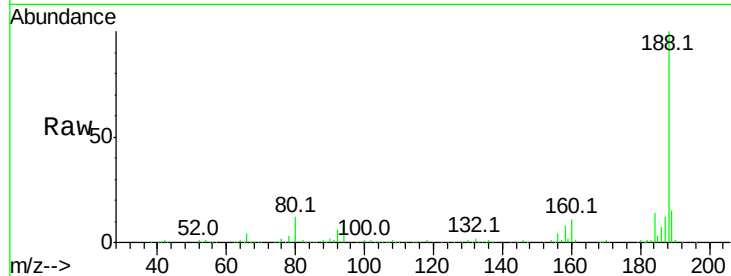




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

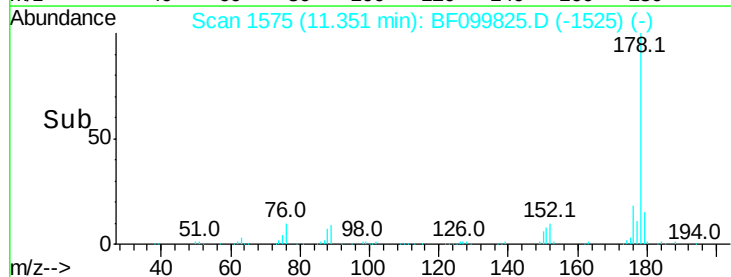
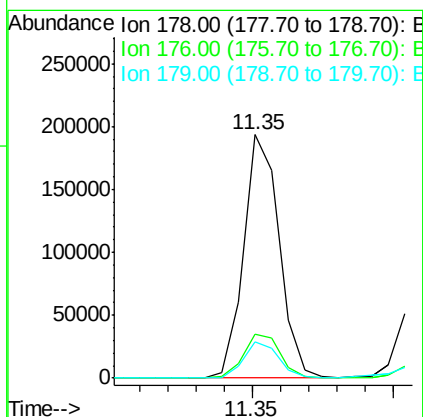
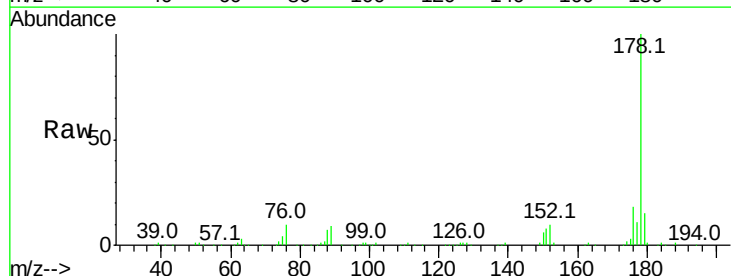
Instrument :
BNA_F
ClientSampleId :
SB-06

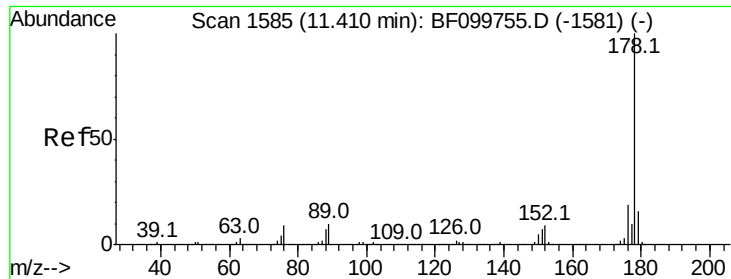
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.6	9.2	13.8



#70
Phenanthrene
Concen: 11.777 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	14.8	13.0	19.6

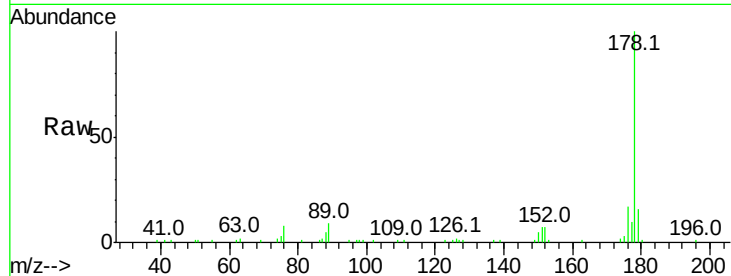




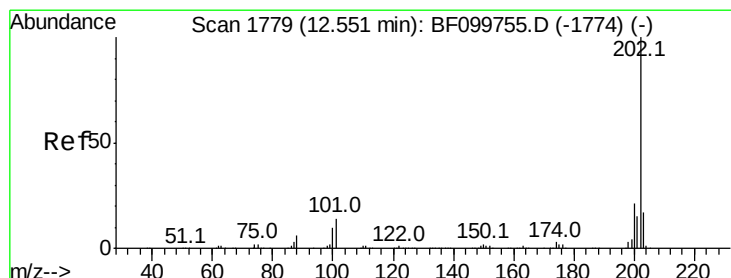
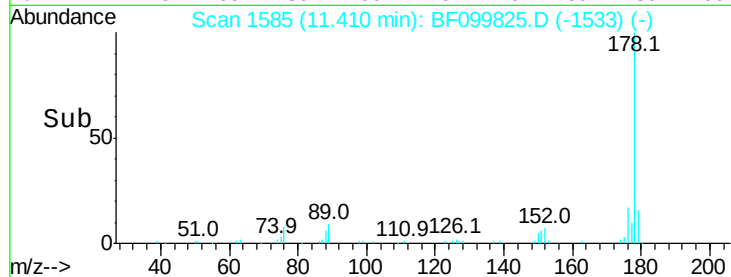
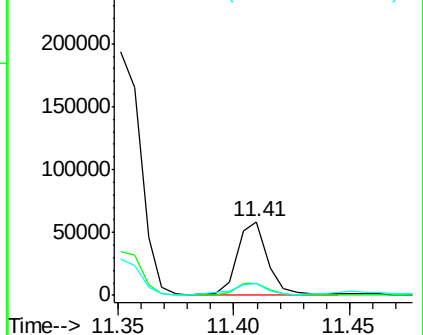
#71
 Anthracene
 Concen: 3.576 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampled :
 SB-06

Tot Ion:178 Resp: 52005
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.2
 179 15.7 12.6 19.0

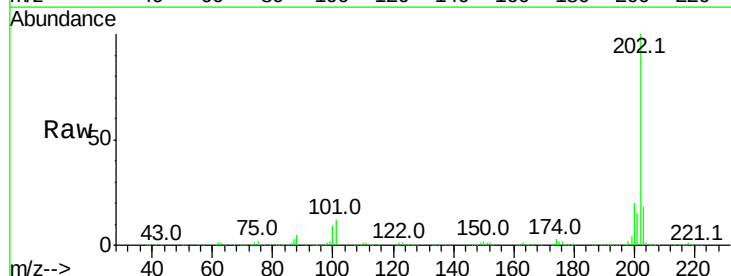


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

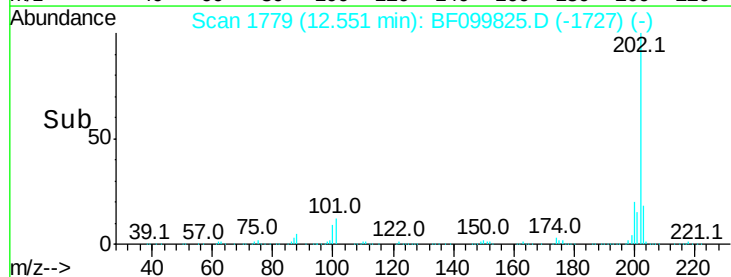
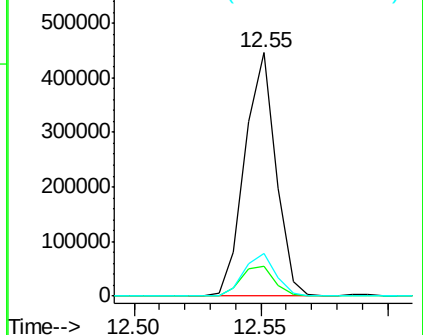


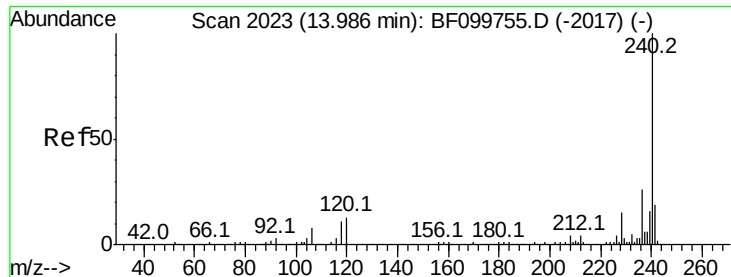
#74
 Fluoranthene
 Concen: 25.638 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Tgt Ion:202 Resp: 381729
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 17.7 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

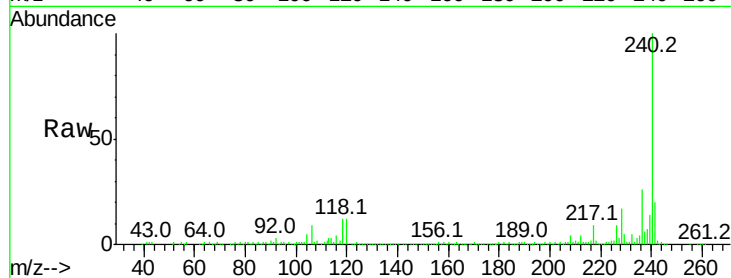




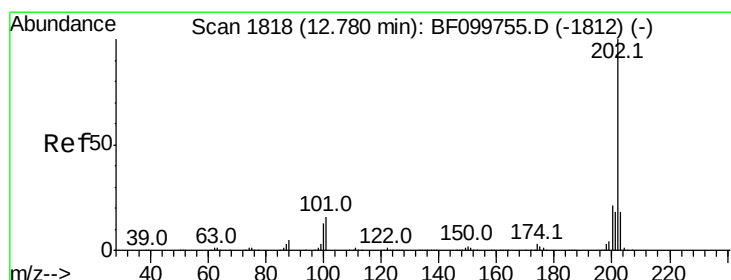
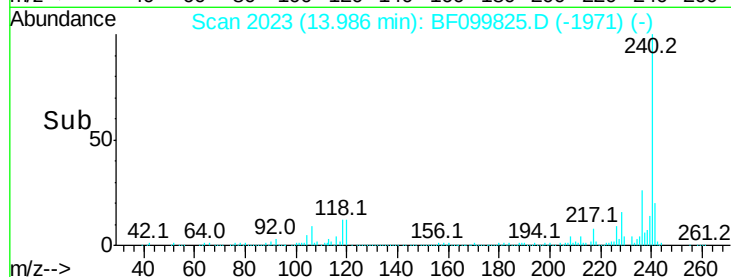
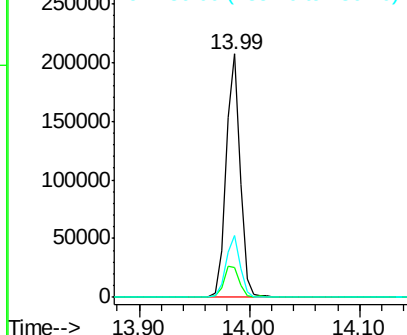
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
ClientSampleID :
SB-06

Tot Ion:240 Resp: 185568
Ion Ratio Lower Upper
240 100
120 12.4 9.5 14.3
236 25.6 20.7 31.1

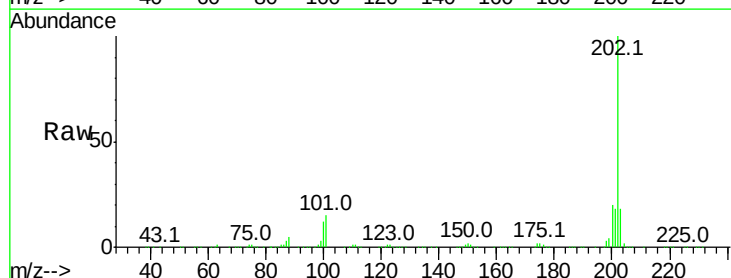


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

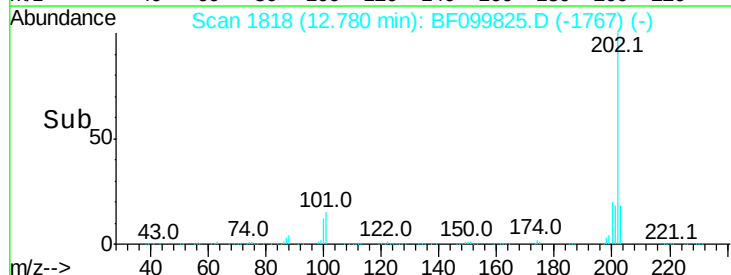
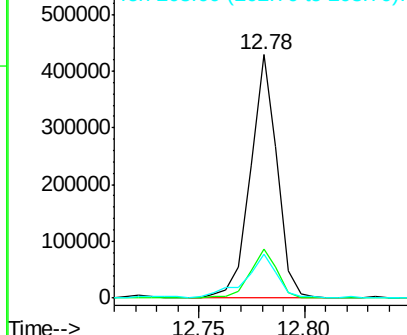


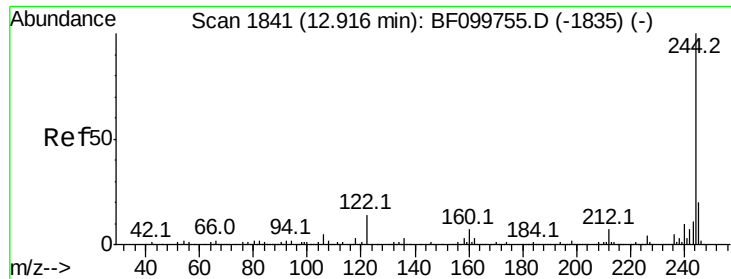
#77
Pyrene
Concen: 26.500 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion:202 Resp: 373928
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 18.2 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: 17.858 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

SB-06

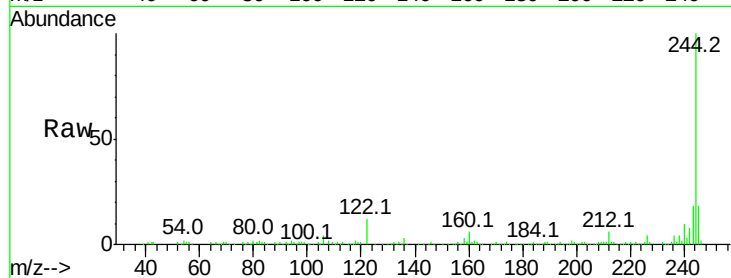
Tot Ion:244 Resp: 151640

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

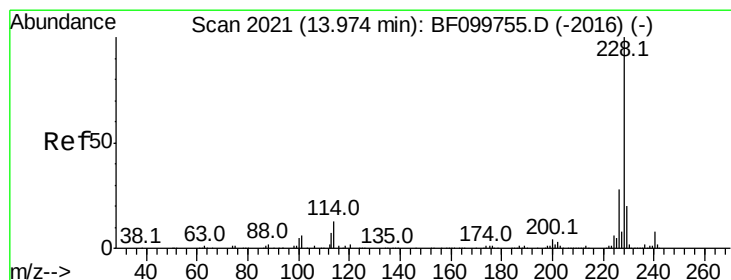
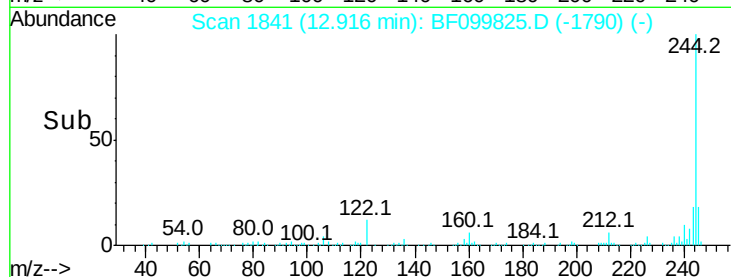
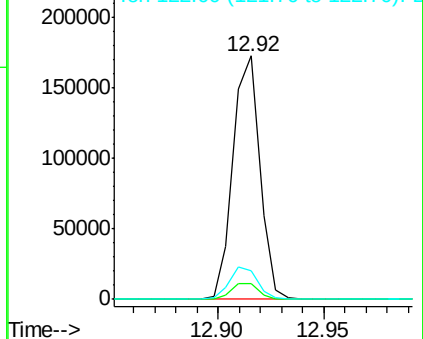
122 12.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 18.028 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

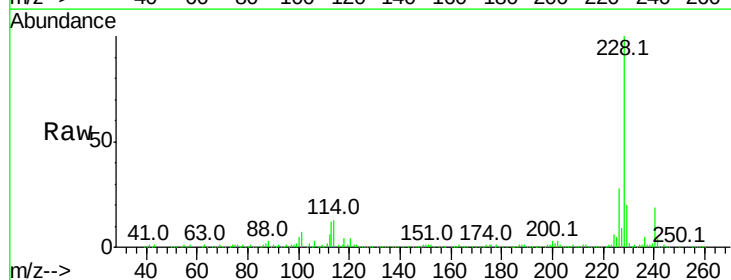
Tgt Ion:228 Resp: 212082

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

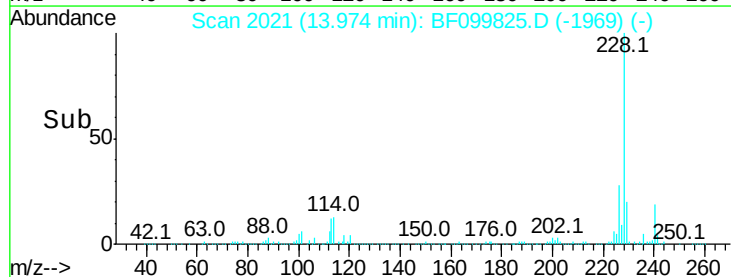
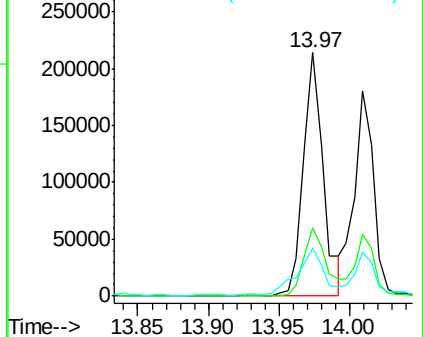
229 19.8 15.8 23.6

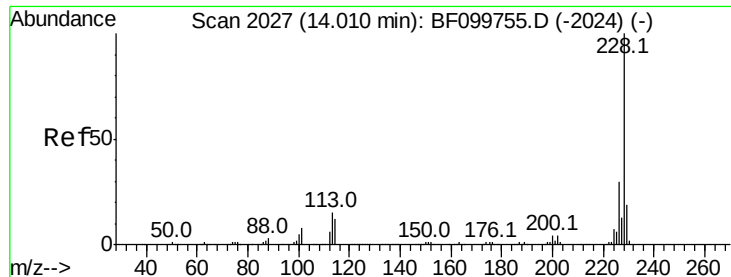


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.438 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

SB-06

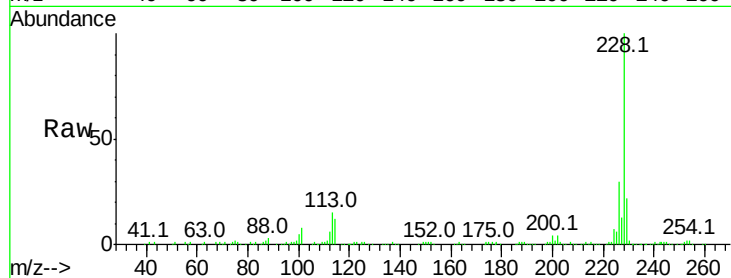
Tot Ion:228 Resp: 170735

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

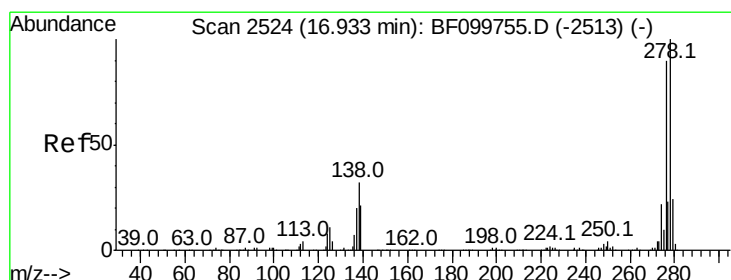
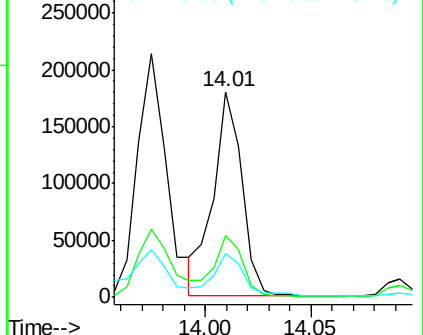
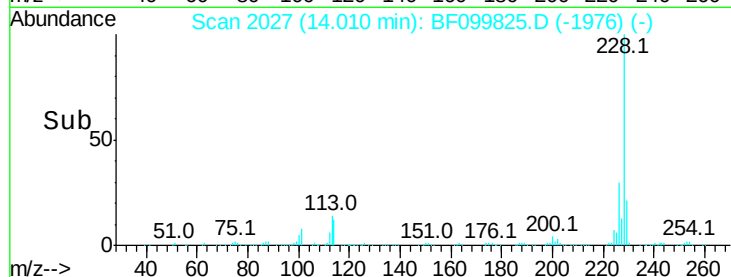
229 21.5 16.2 24.4



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: 6.784 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

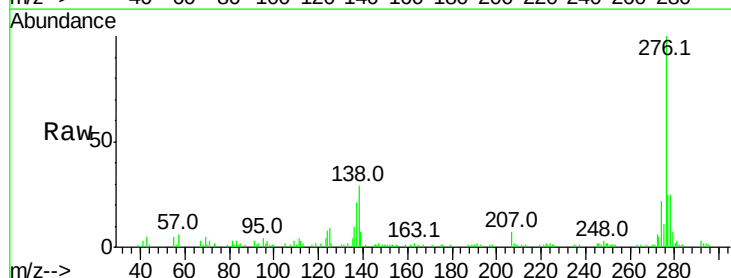
Tgt Ion:276 Resp: 68876

Ion Ratio Lower Upper

276 100

138 29.0 25.0 37.6

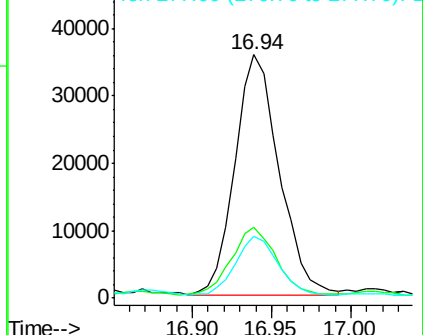
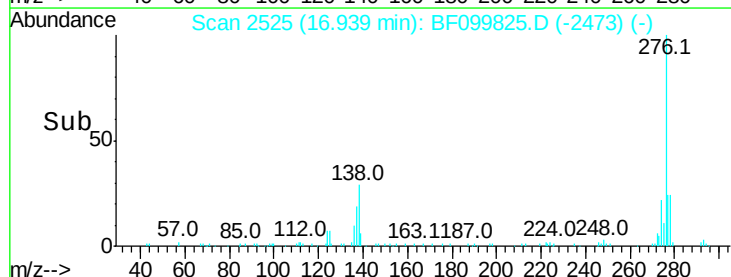
277 23.9 20.1 30.1

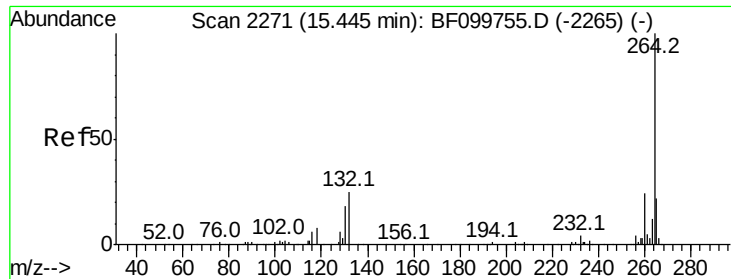


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

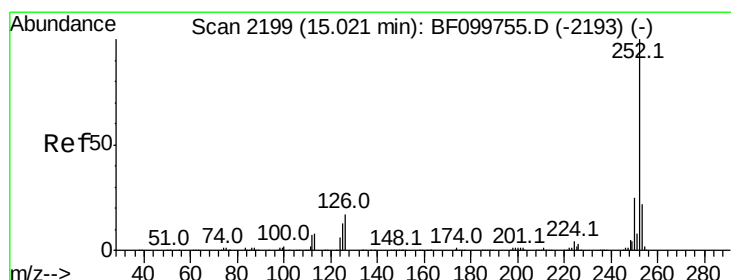
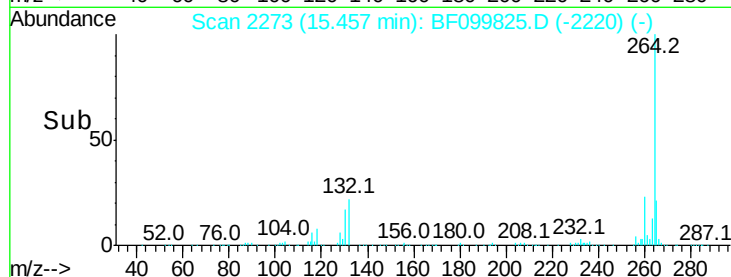
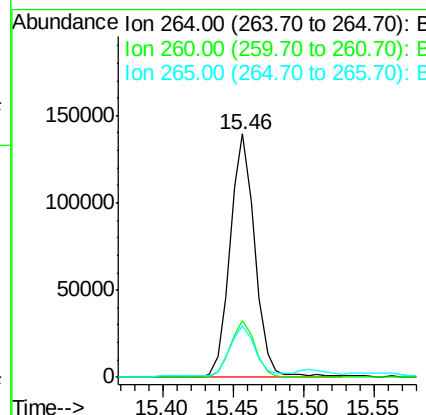
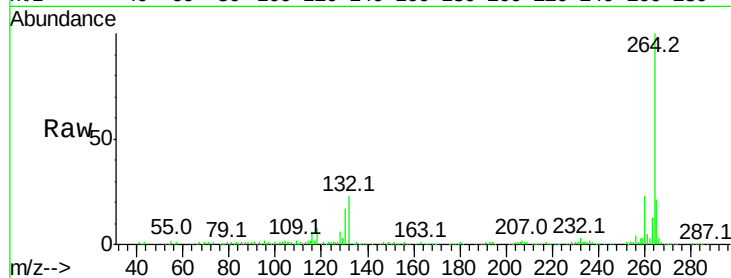




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

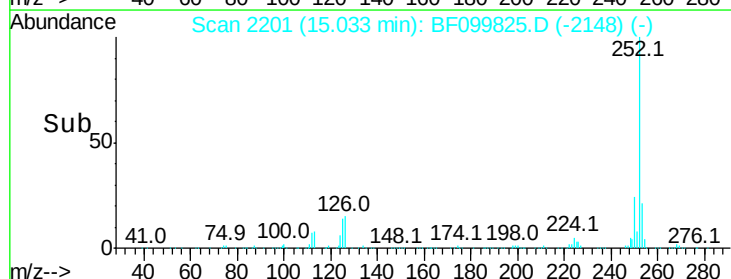
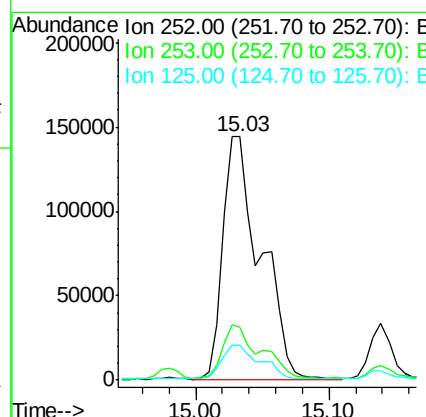
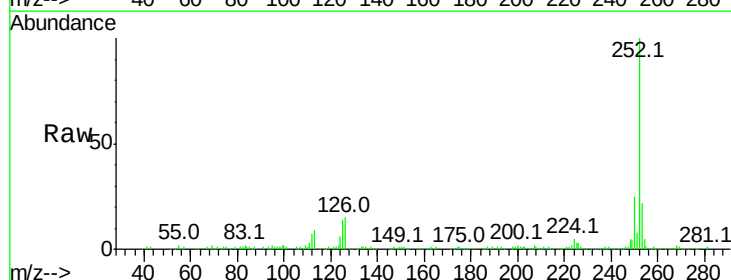
Instrument :
BNA_F
ClientSampleId :
SB-06

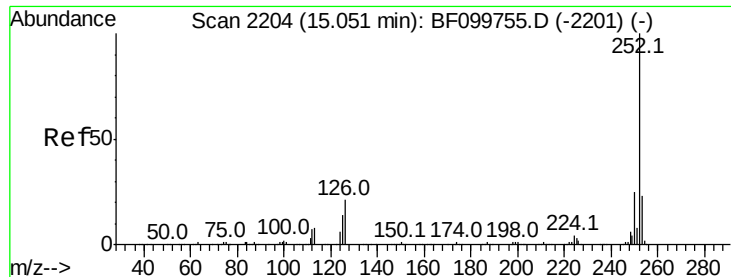
Tot Ion:264 Resp: 169861
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 26.466 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion:252 Resp: 283868
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 14.2 9.0 13.6#

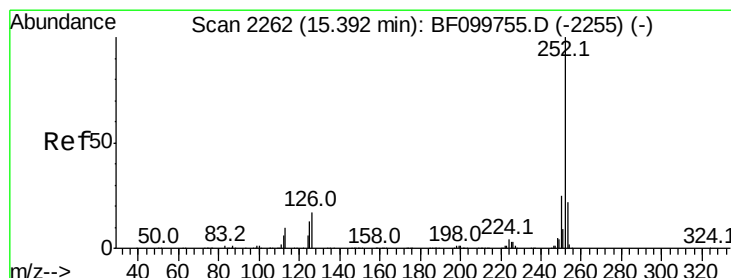
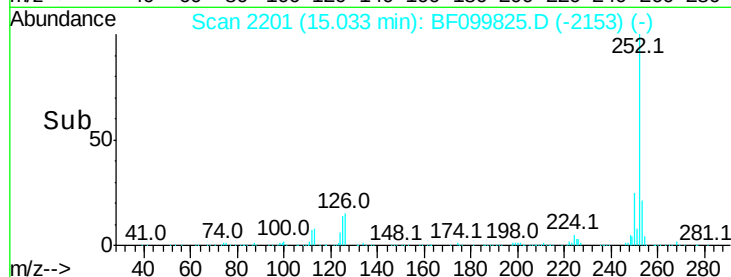
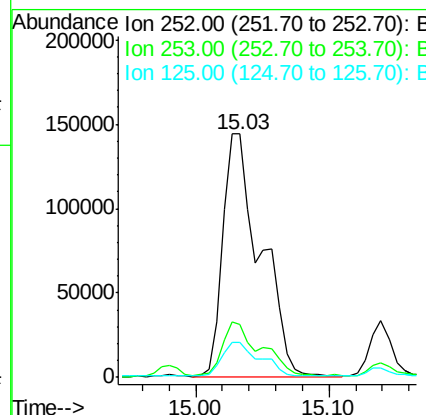
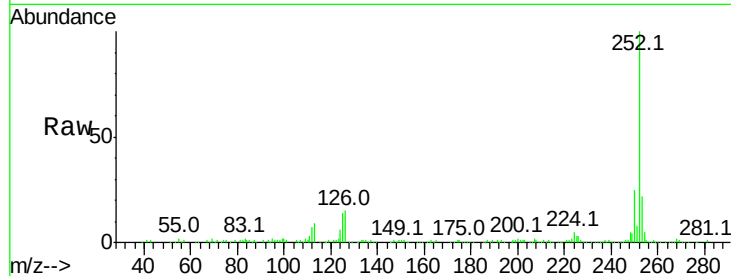




#88
Benzo(k)fluoranthene
Concen: 28.066 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

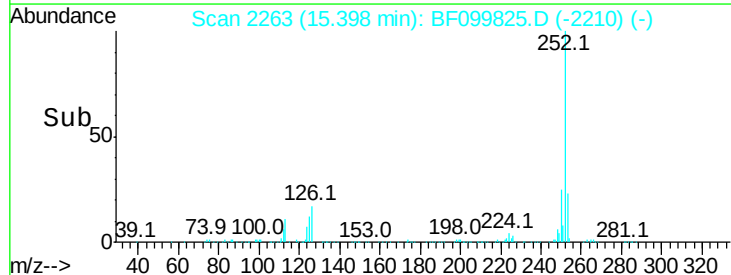
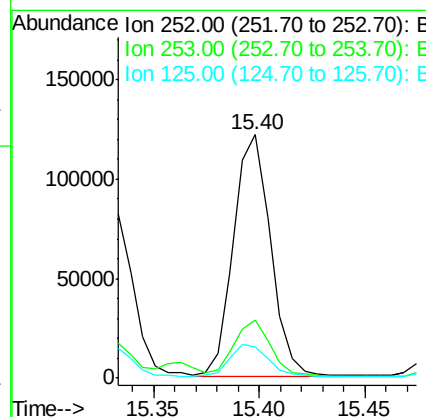
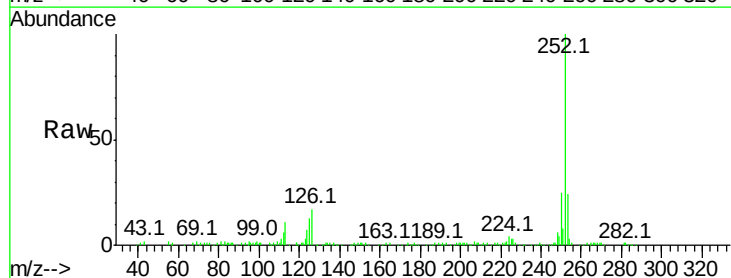
Instrument :
BNA_F
ClientSampleId :
SB-06

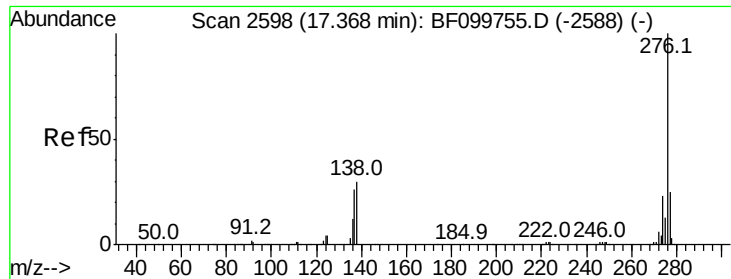
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	14.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 15.450 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.9	9.8	14.6

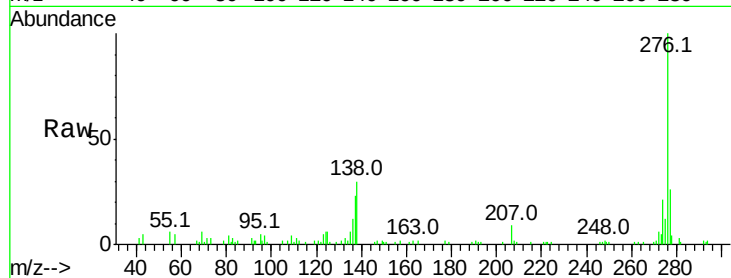




#91
 Benzo(a,h,i)perylene
 Concen: 7.548 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.02 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.6	17.9	26.9	
138	30.3	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

