

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099409.D
 Acq On : 12 Oct 2017 21:56
 Operator : SJ/JU
 Sample : I5729-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 00:55:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119365	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	473118	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	183446	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	258954	20.00	ng	0.00
75) Chrysene-d12	14.02	240	222678	20.00	ng	0.00
86) Perylene-d12	15.49	264	192800	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	658388	87.81	ng	0.01
7) Phenol-d6	6.49	99	796766	86.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	472894	64.10	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	111396	74.21	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	827653	75.32	ng	0.00
78) Terphenyl-d14	12.96	244	515998	52.70	ng	0.00

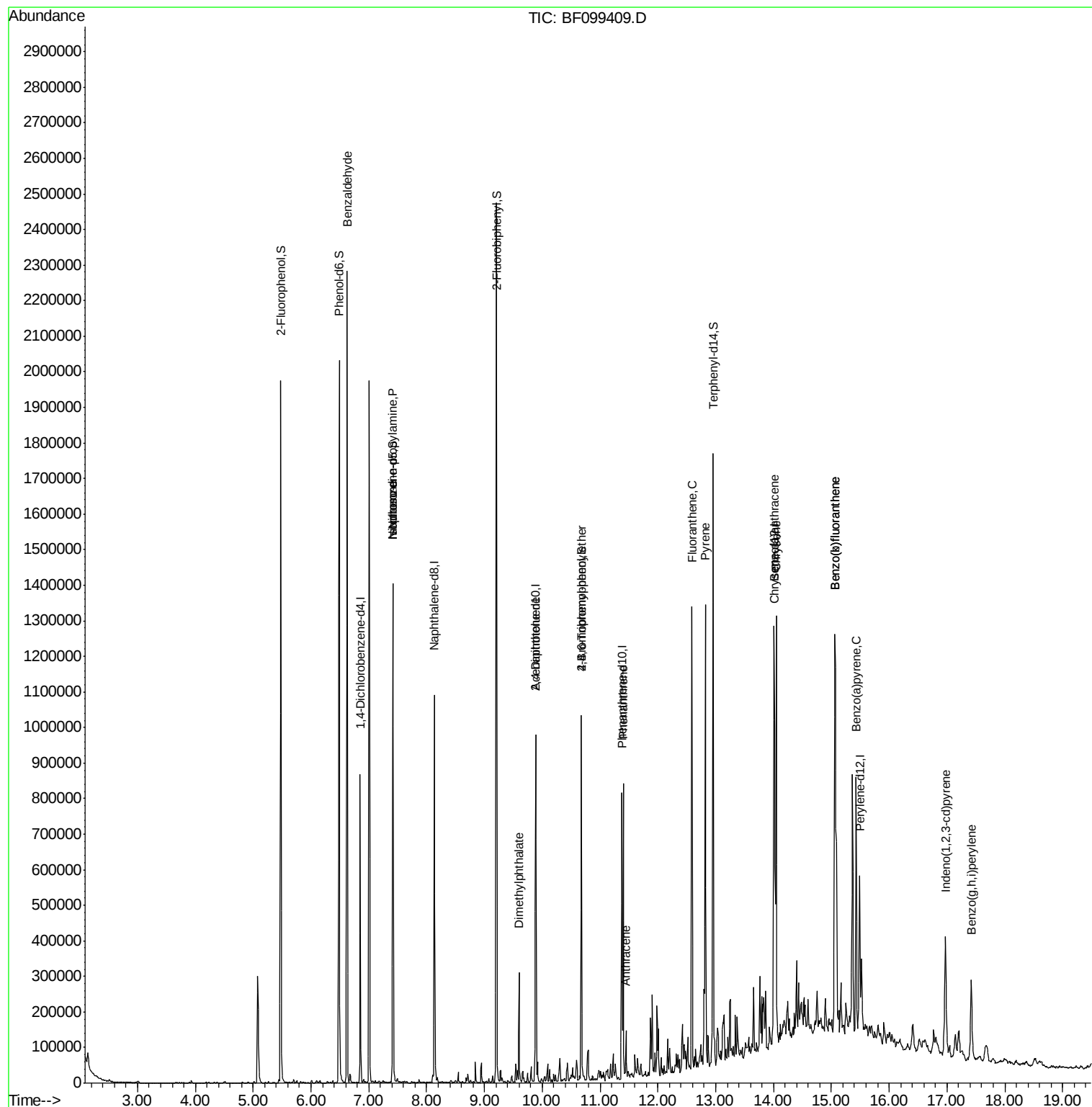
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	12802	2.39	ng	89
19) n-Nitroso-di-n-propylamine	7.42	70	60967	10.32	ng	# 74
25) Isophorone	7.42	82	472888	31.00	ng	# 64
49) Dimethylphthalate	9.60	163	110145	7.96	ng	99
56) 2,4-Dinitrotoluene	9.89	165	24562	6.28	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	7512	2.96	ng	# 1
70) Phenanthrene	11.40	178	282623	20.39	ng	97
71) Anthracene	11.45	178	49603	3.50	ng	99
74) Fluoranthene	12.59	202	527181	37.56	ng	97
77) Pyrene	12.82	202	504743	29.73	ng	98
80) Benzo(a)anthracene	14.01	228	388456	28.81	ng	99
82) Chrysene	14.04	228	427175	33.28	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	182948	17.82	ng	97
87) Benzo(b)fluoranthene	15.06	252	876928	73.98	ng	# 96
88) Benzo(k)fluoranthene	15.06	252	876928	74.90	ng	99
89) Benzo(a)pyrene	15.43	252	338196	31.08	ng	# 95
91) Benzo(a,h,i)perylene	17.42	276	160369	18.63	ng	97

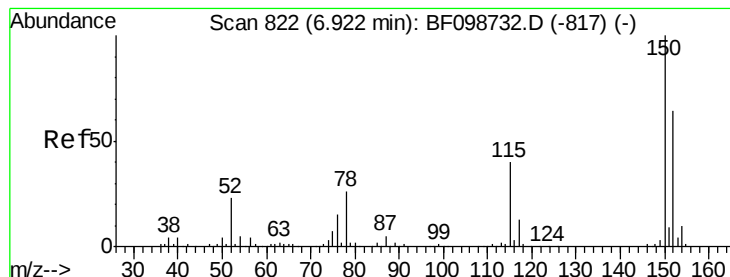
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099409.D
Acq On : 12 Oct 2017 21:56
Operator : SJ/JU
Sample : I5729-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 13 00:55:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration



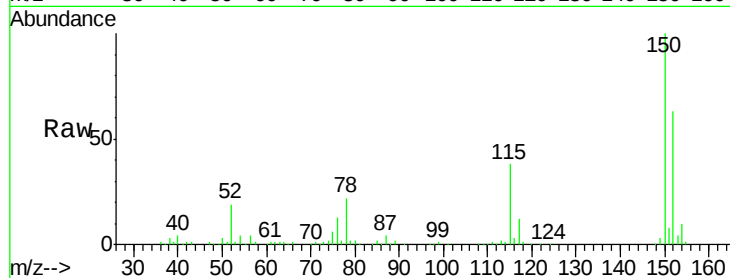


#1

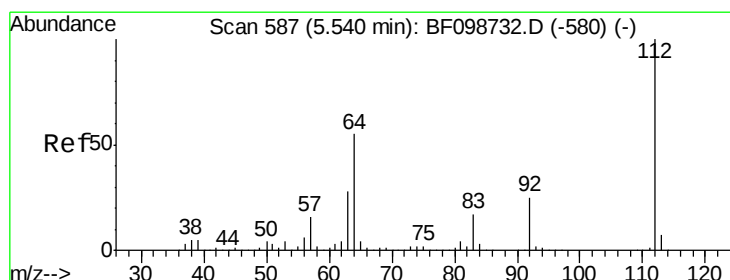
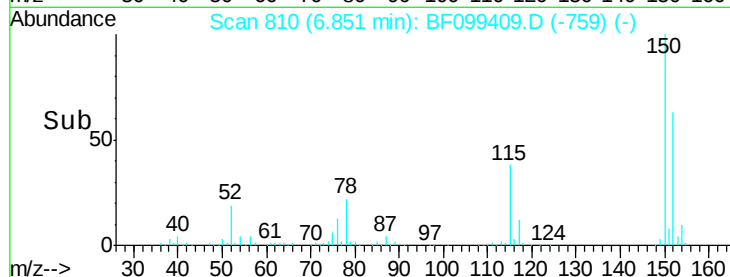
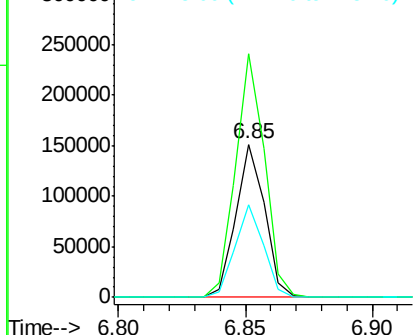
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119365
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 60.4 50.1 75.1



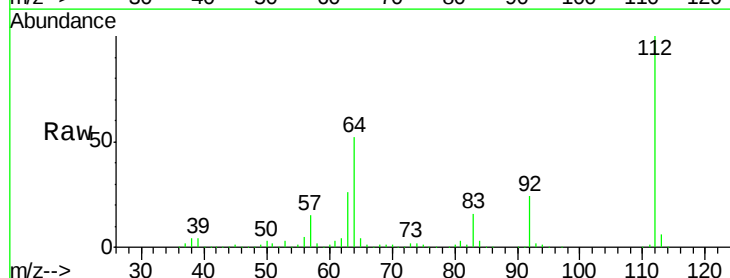
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



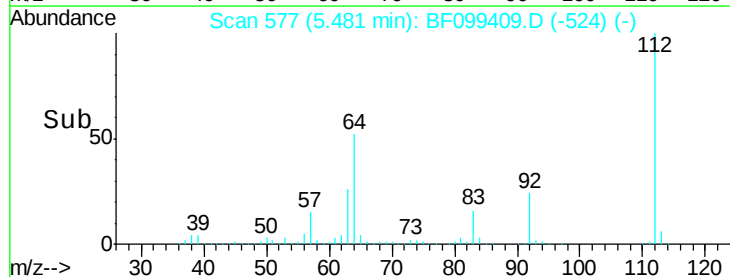
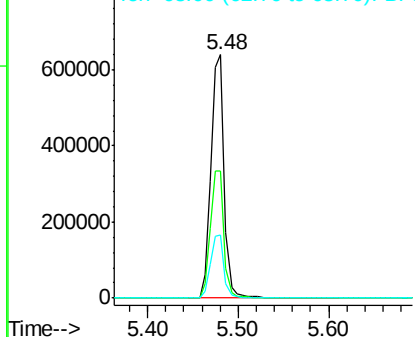
#5

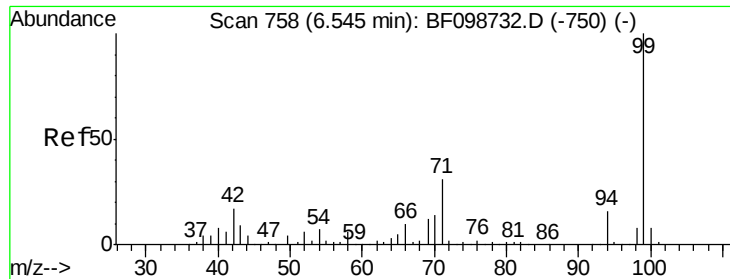
2-Fluorophenol
Concen: 87.81 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion:112 Resp: 658388
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 25.7 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: 86.14 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

ClientSampled :

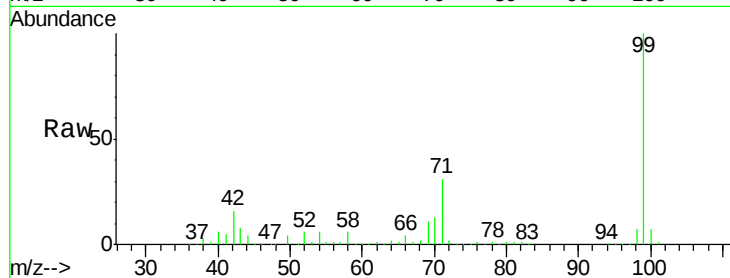
Tot Ion: 99 Resp: 796766

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

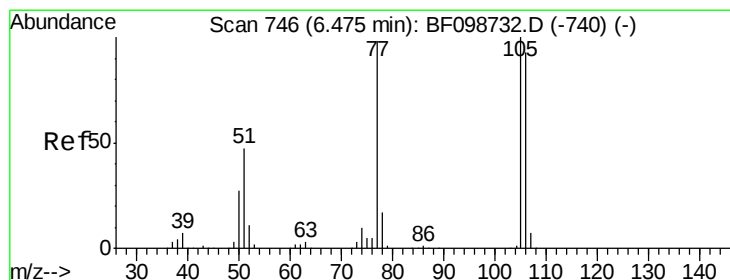
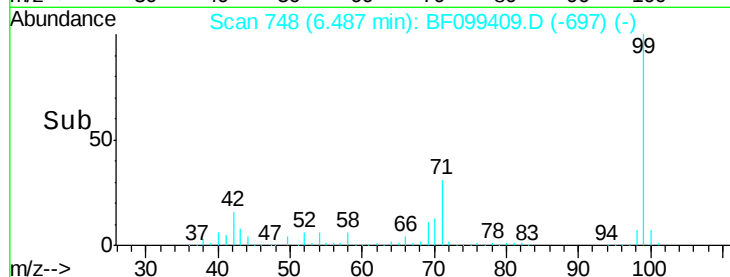
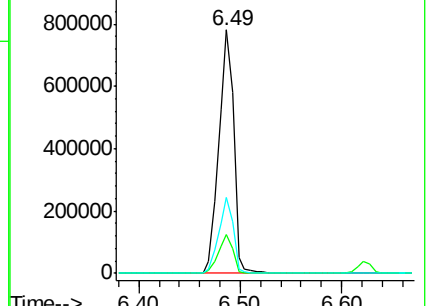
71 30.9 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.39 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

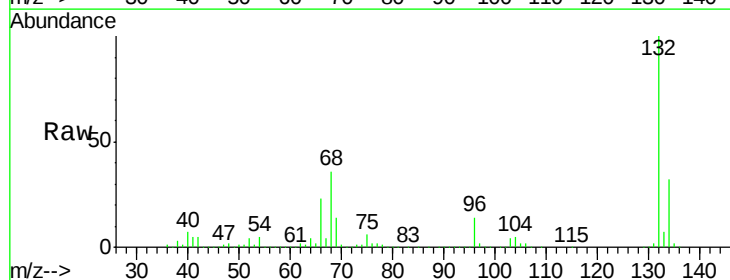
Tgt Ion: 77 Resp: 12802

Ion Ratio Lower Upper

77 100

105 85.7 81.1 121.1

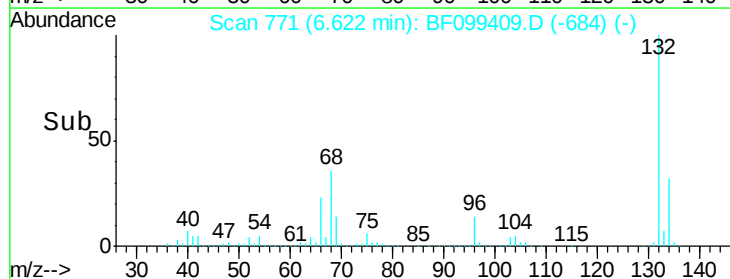
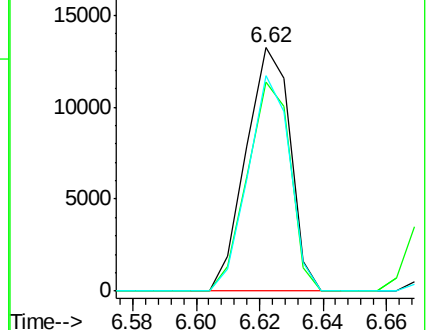
106 88.3 74.5 114.5

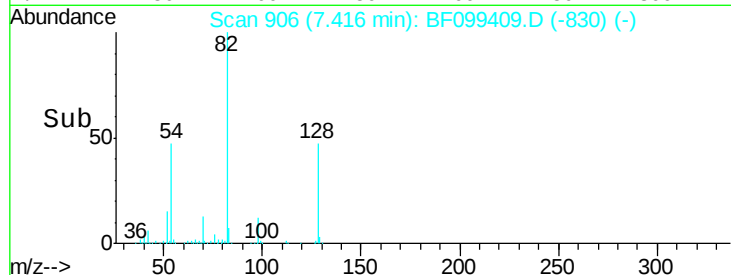
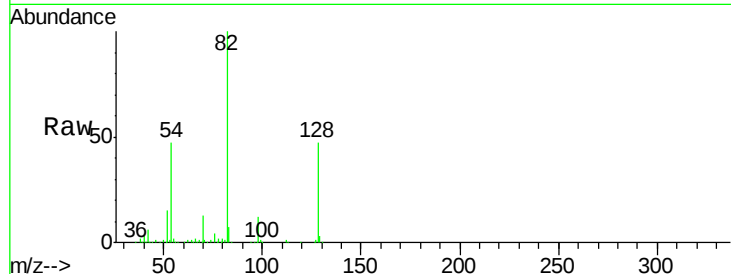
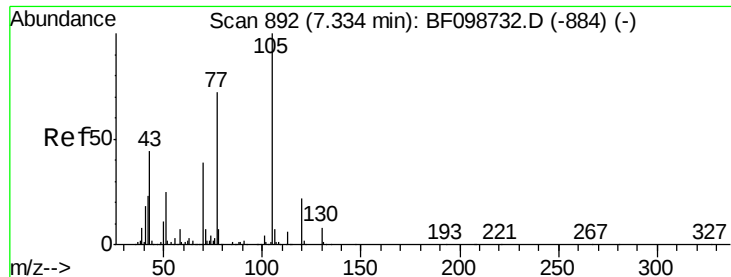


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

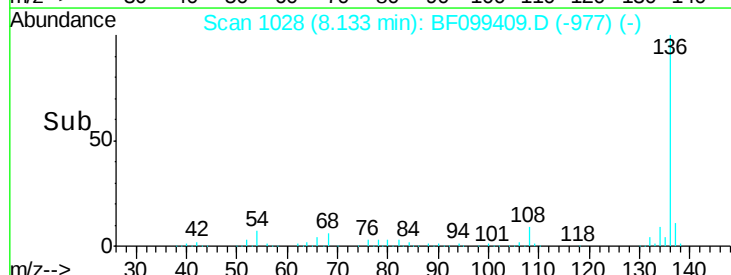
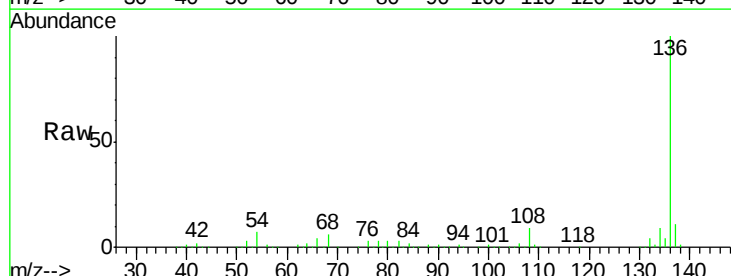
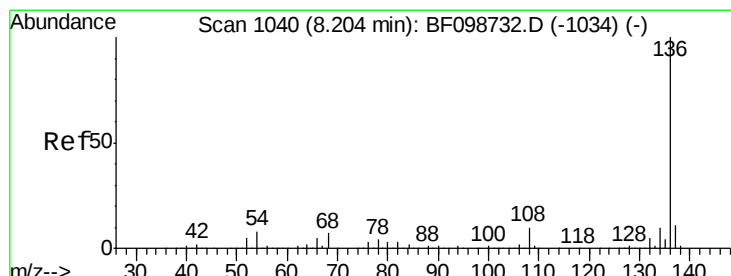
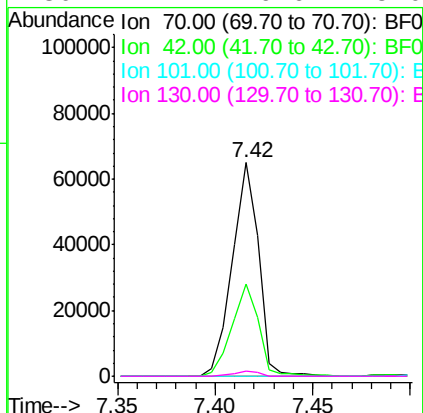




#19
n-Nitroso-di-n-propylamine
Concen: 10.32 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

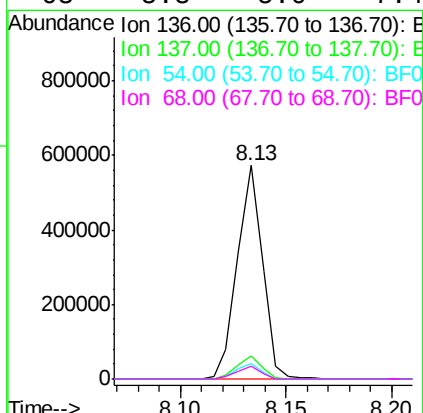
Instrument :
BNA_F
ClientSampleId :

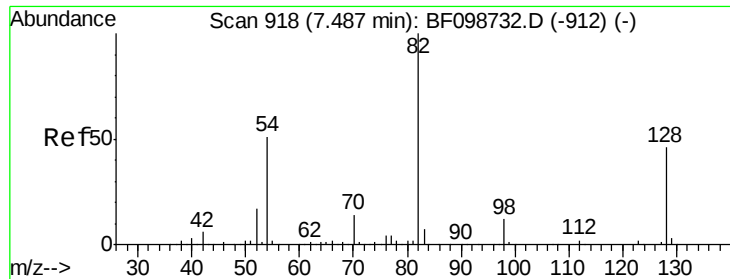
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.2	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	5.8	5.0	7.4

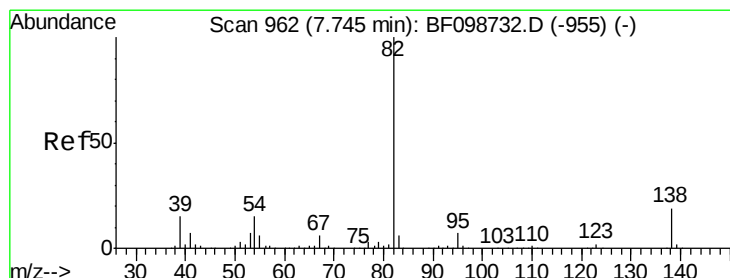
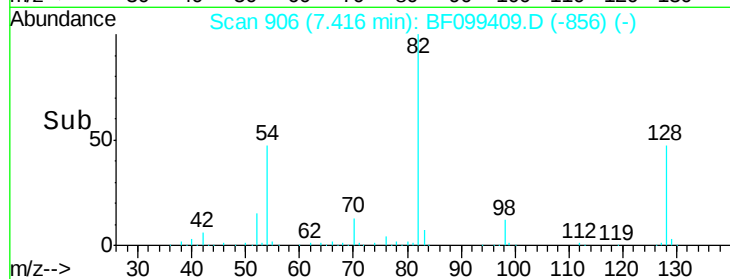
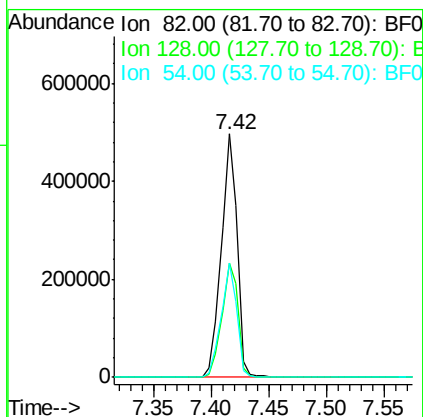
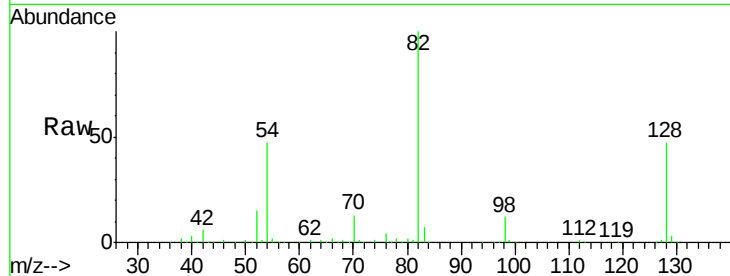




#23
Nitrobenzene-d5
Concen: 64.10 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

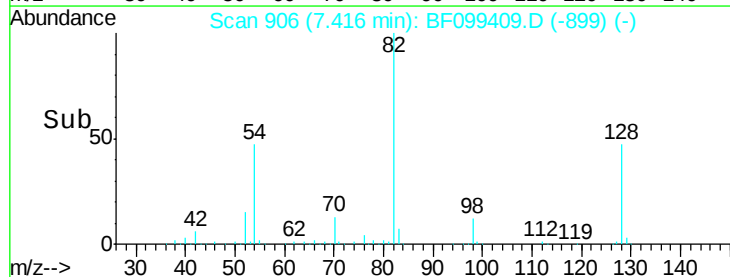
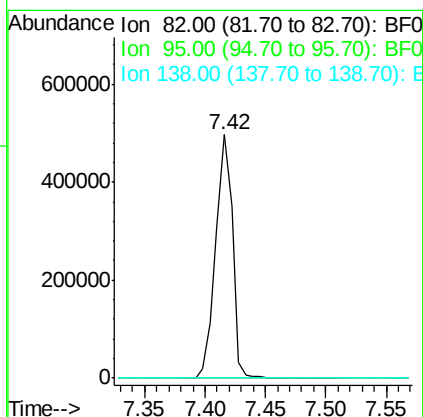
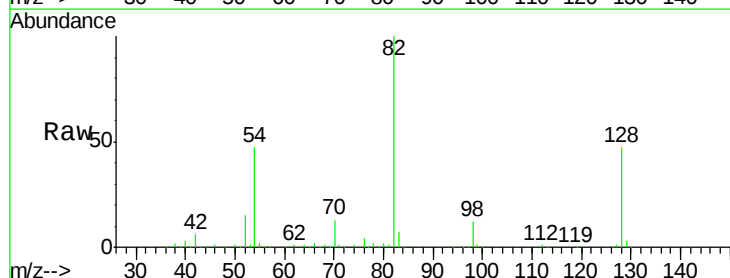
Instrument :
BNA_F
ClientSampleId :

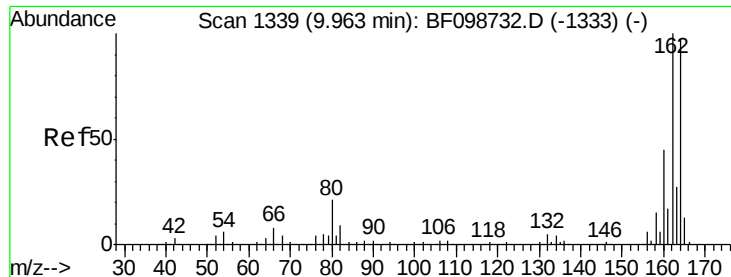
Tot Ion: 82 Resp: 472894
Ion Ratio Lower Upper
82 100
128 47.1 36.1 54.1
54 47.0 41.4 62.2



#25
Isophorone
Concen: 31.00 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion: 82 Resp: 472888
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

ClientSampleId :

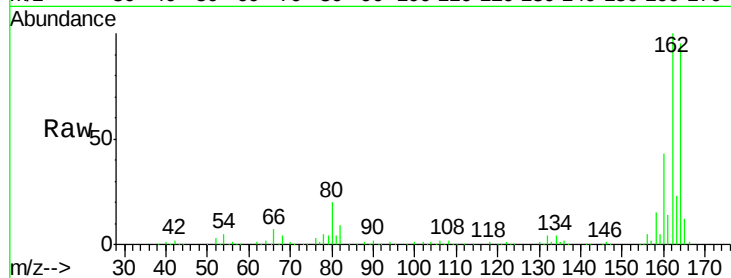
Tot Ion:164 Resp: 183446

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

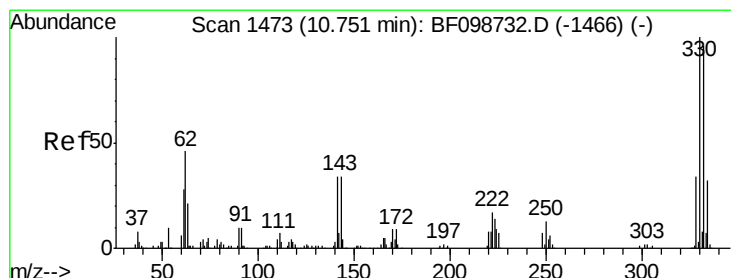
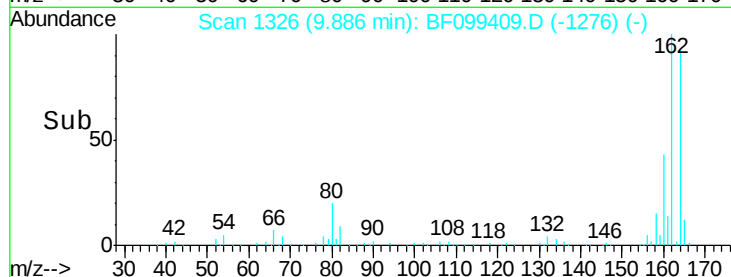
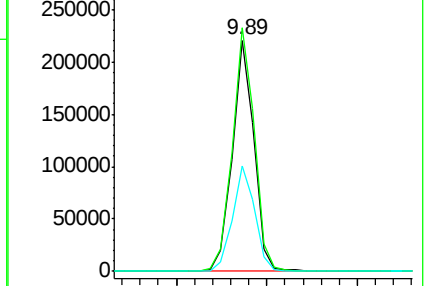
160 45.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 74.21 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

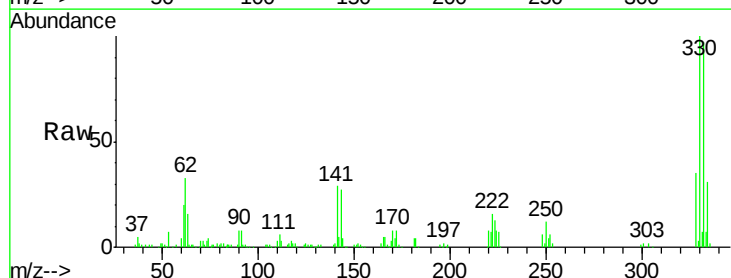
Tgt Ion:330 Resp: 111396

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

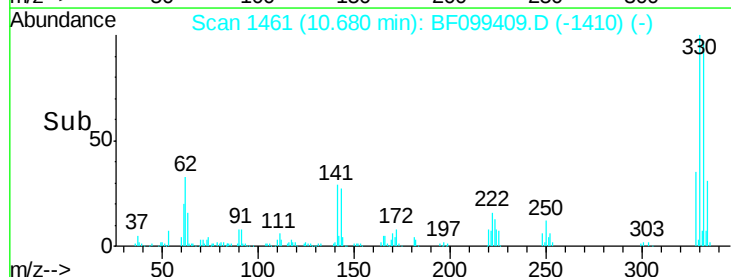
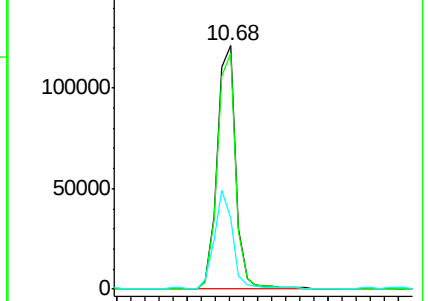
141 40.5 29.9 44.9

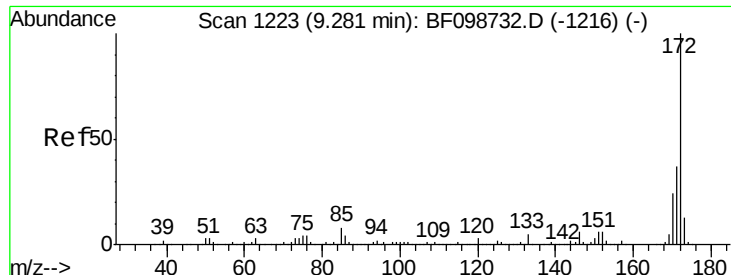


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

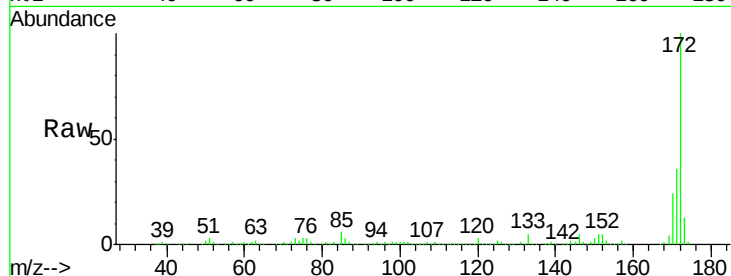




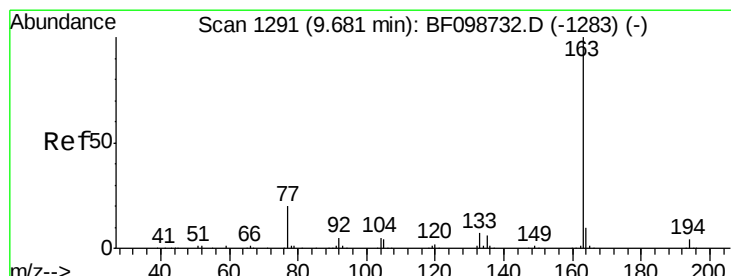
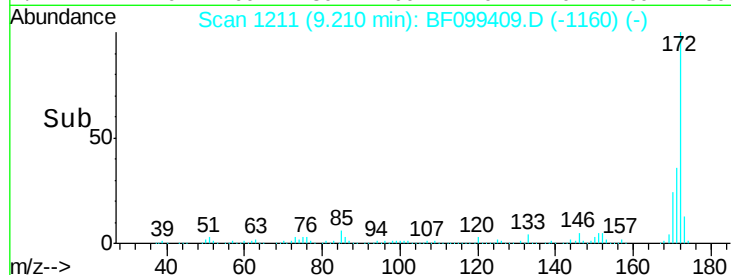
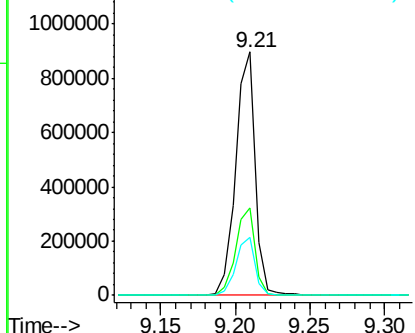
#44
 2-Fluorobiphenyl
 Concen: 75.32 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 827653
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.7 19.6 29.4

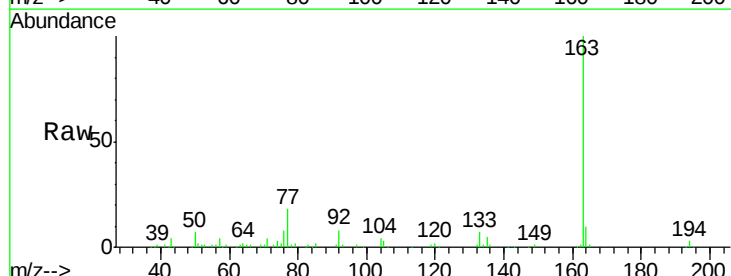


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

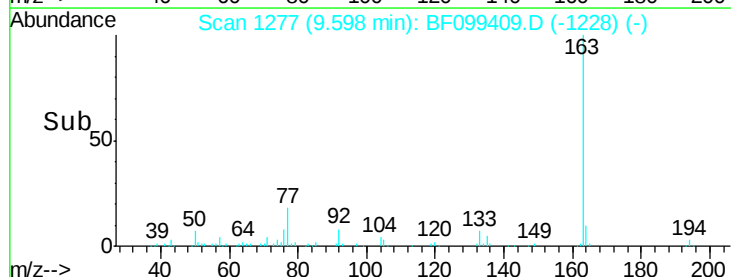
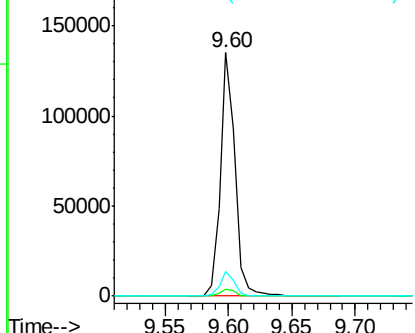


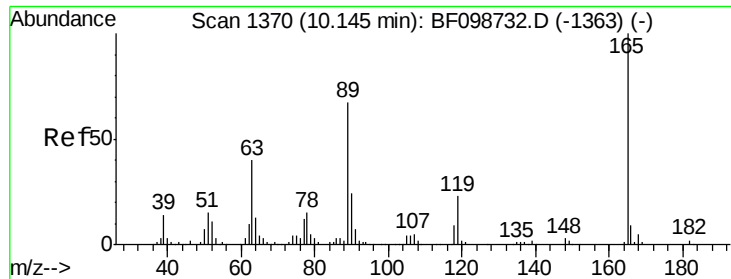
#49
 Dimethylphthalate
 Concen: 7.96 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion:163 Resp: 110145
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

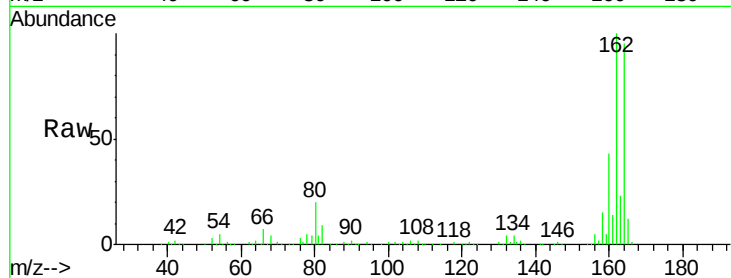




#56
 2,4-Dinitrotoluene
 Concen: 6.28 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	24562
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

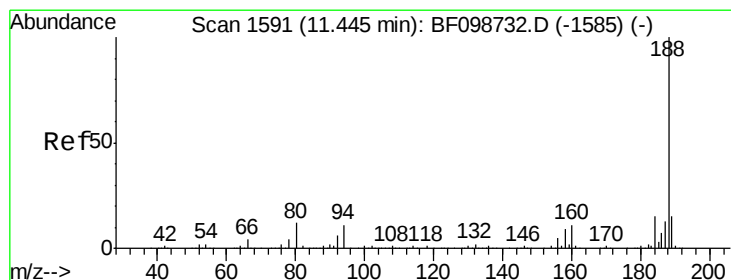
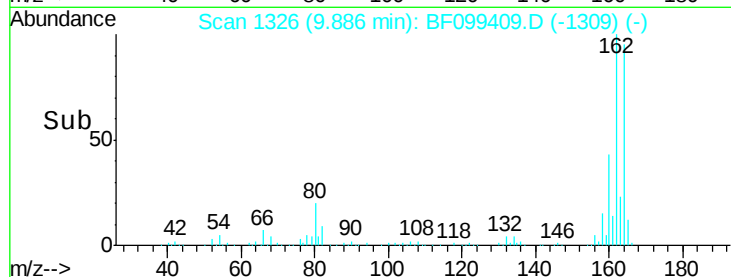
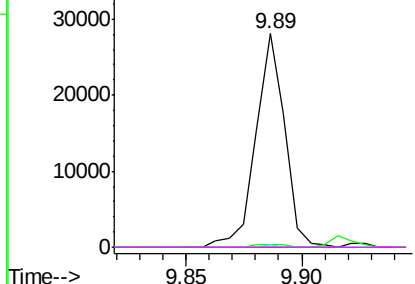


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

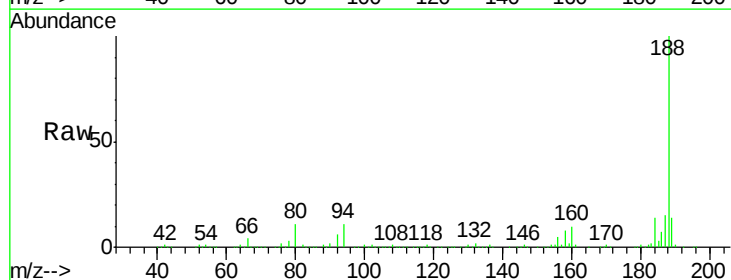
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

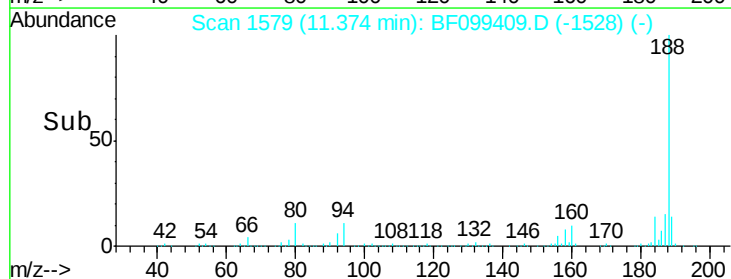
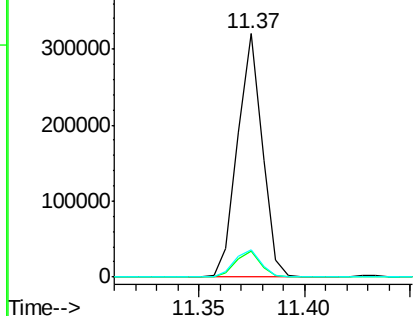
Tgt Ion:188	Resp:	258954
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.5 12.7
80	11.3	9.2 13.8

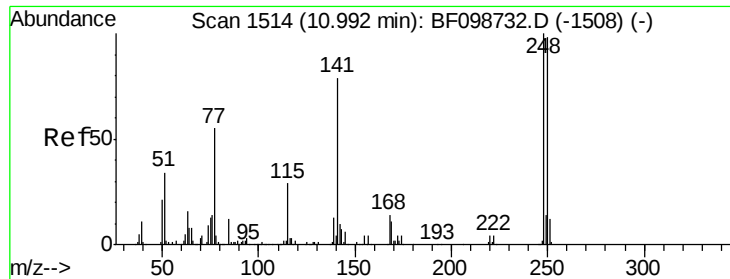


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

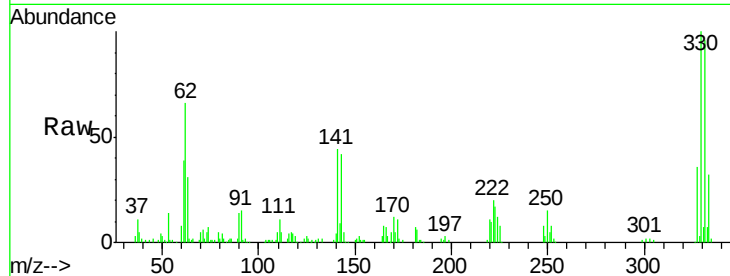




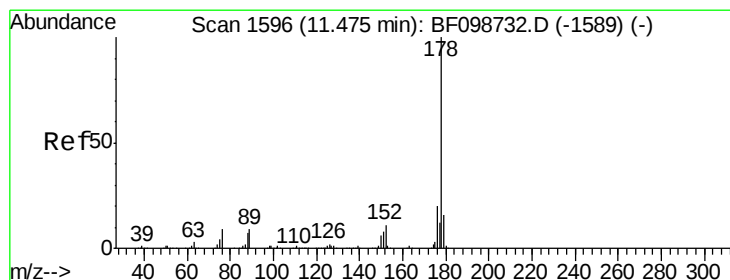
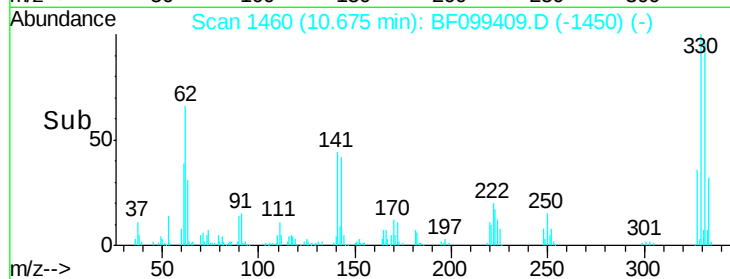
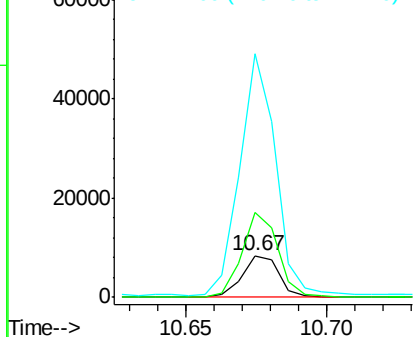
#66
 4-Bromophenyl-phenylether
 Concen: 2.96 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7512
 Ion Ratio Lower Upper
 248 100
 250 203.8 76.9 115.3#
 141 588.8 74.4 111.6#

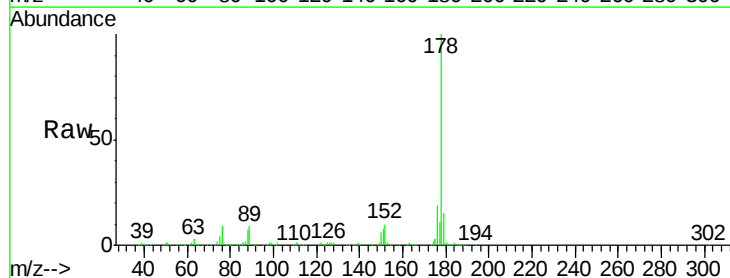


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

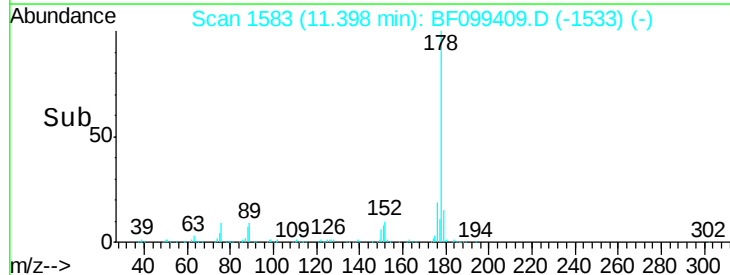
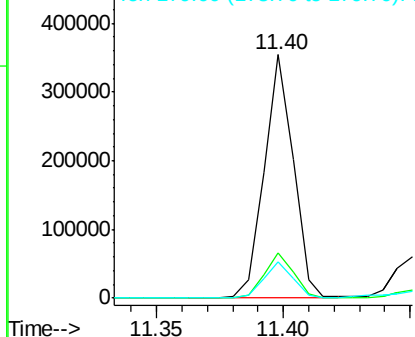


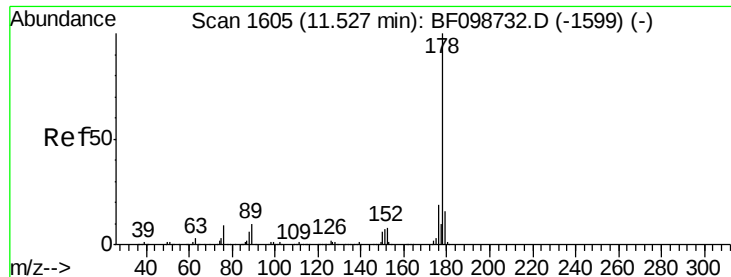
#70
 Phenanthrene
 Concen: 20.39 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion:178 Resp: 282623
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 14.6 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

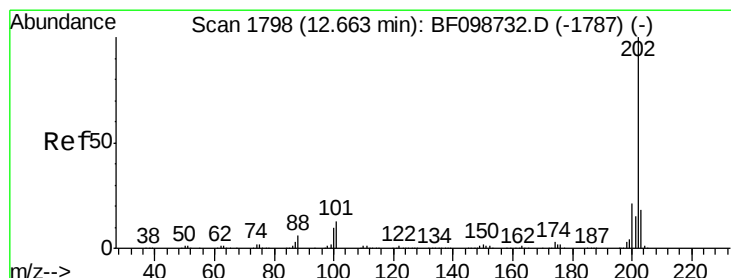
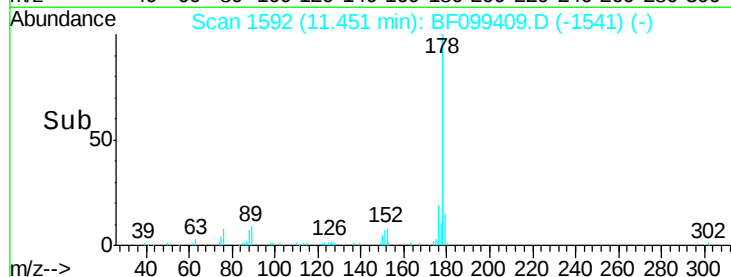
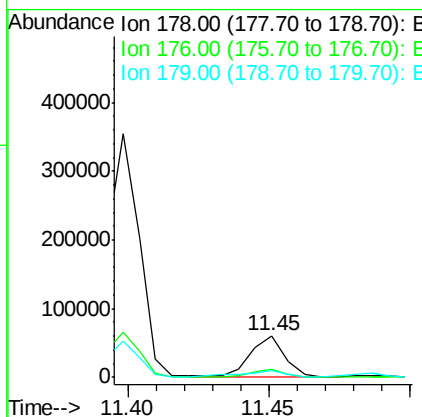
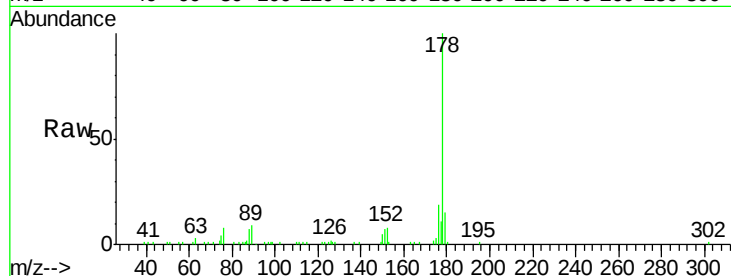




#71
 Anthracene
 Concen: 3.50 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

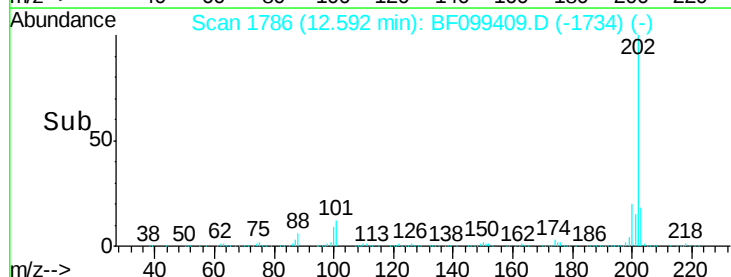
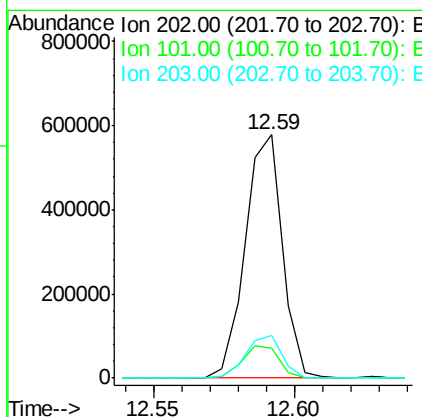
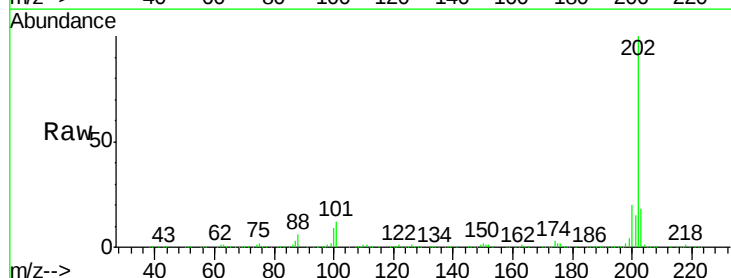
Instrument :
 BNA_F
 ClientSampleId :

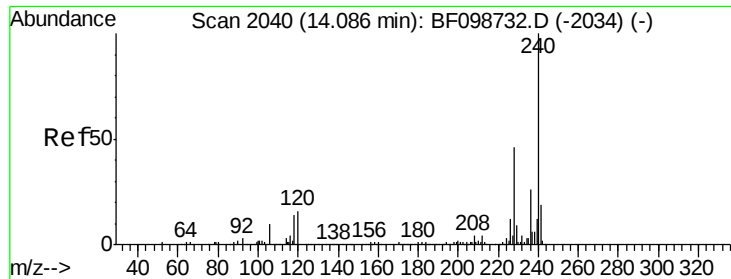
Tot Ion:178 Resp: 49603
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.0 12.6 19.0



#74
 Fluoranthene
 Concen: 37.56 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion:202 Resp: 527181
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

ClientSampleId :

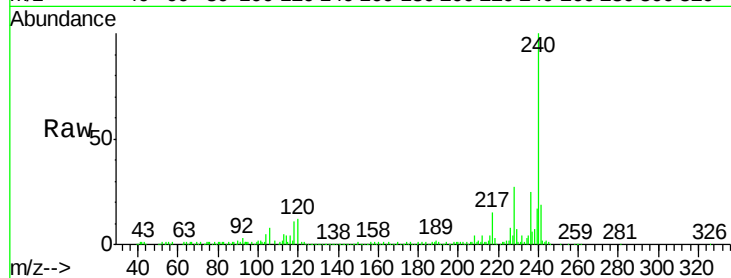
Tot Ion:240 Resp: 222678

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

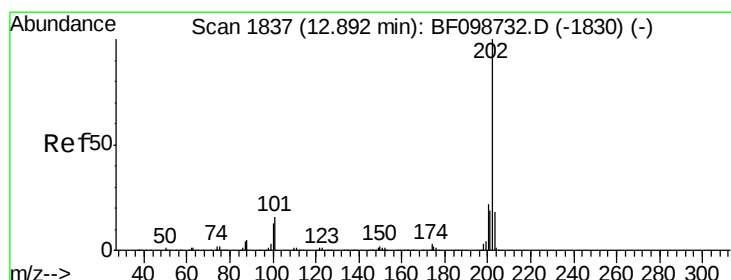
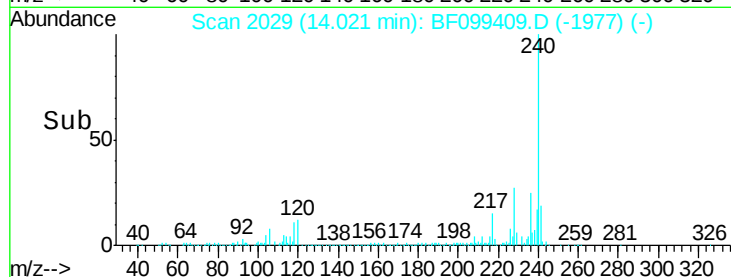
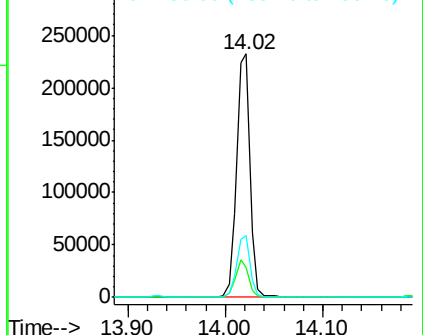
236 25.3 20.7 31.1



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: 29.73 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

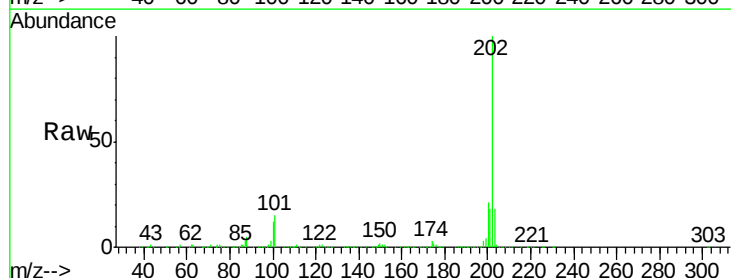
Tgt Ion:202 Resp: 504743

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

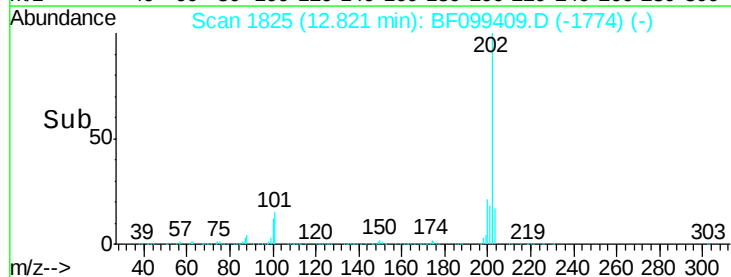
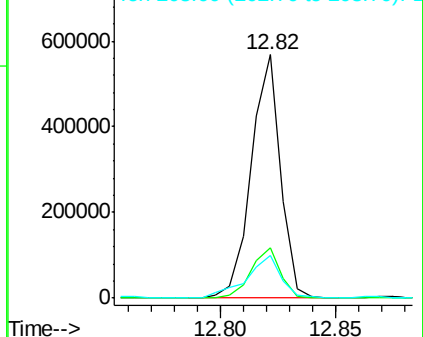
203 17.5 14.3 21.5

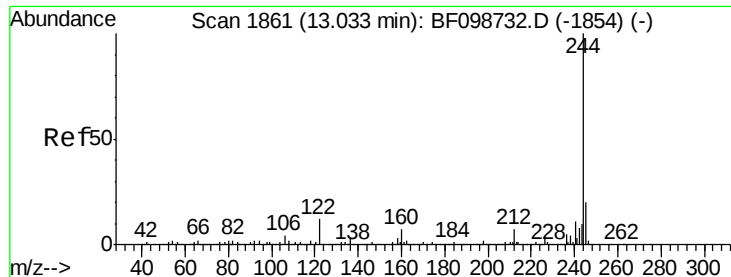


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

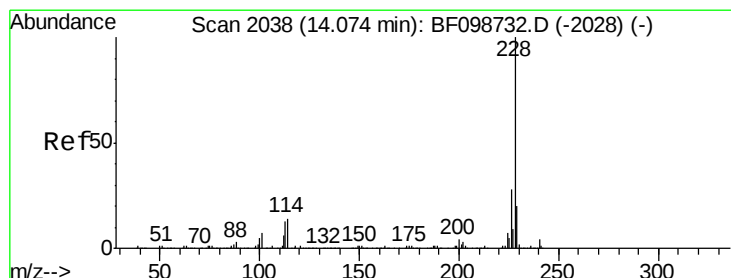
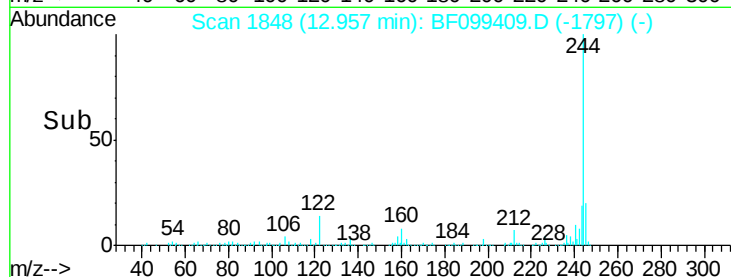
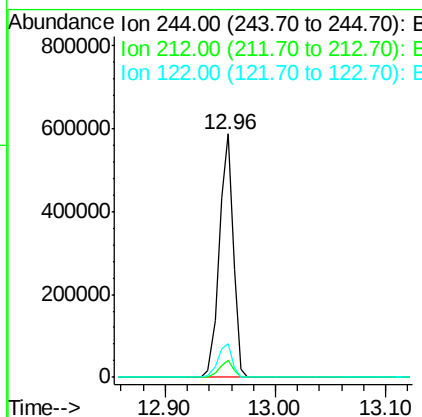
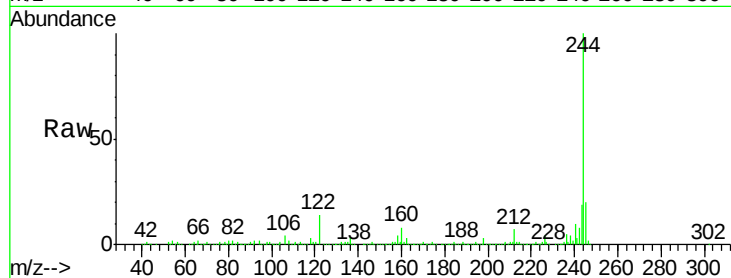




#78
 Terphenyl-d14
 Concen: 52.70 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

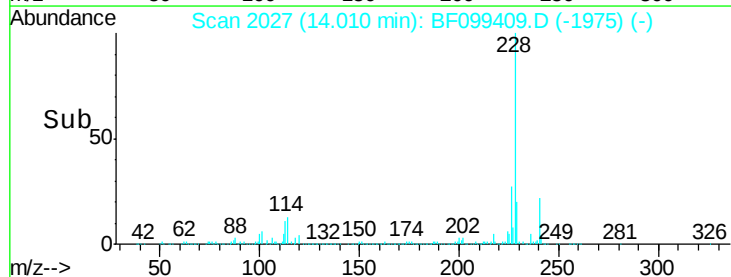
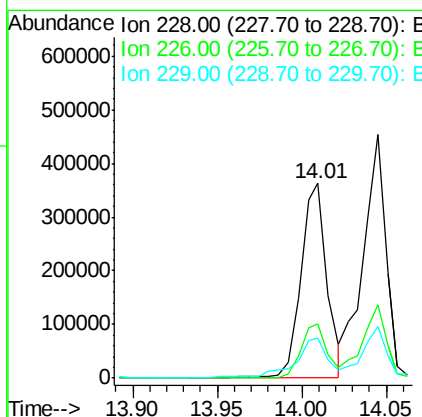
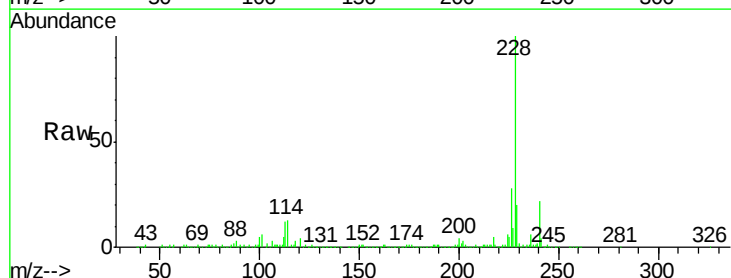
Instrument :
 BNA_F
 ClientSampleId :

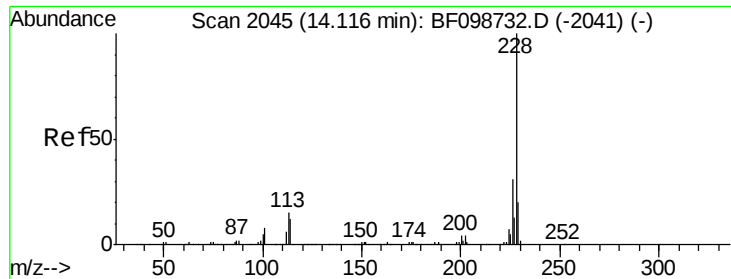
Tot Ion:244 Resp: 515998
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 28.81 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF099409.D
 Acq: 12 Oct 2017 21:56

Tgt Ion:228 Resp: 388456
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.6 33.8
 229 20.4 15.8 23.6





#82

Chrysene

Concen: 33.28 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

ClientSampleId :

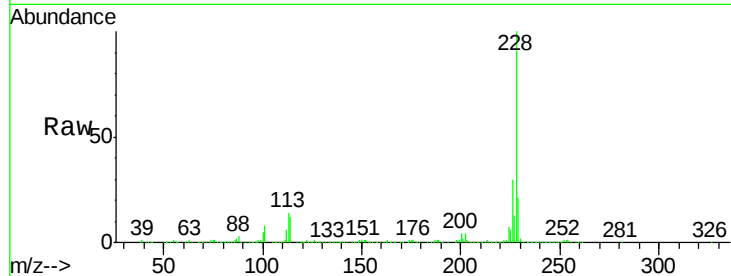
Tot Ion:228 Resp: 427175

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

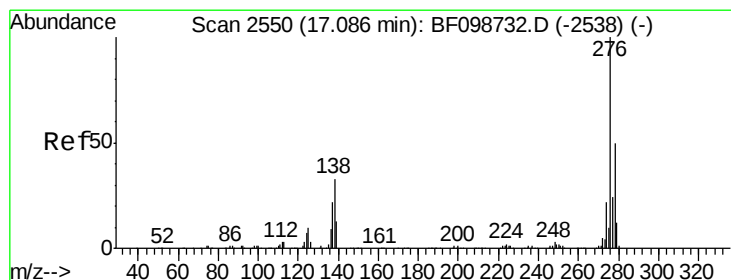
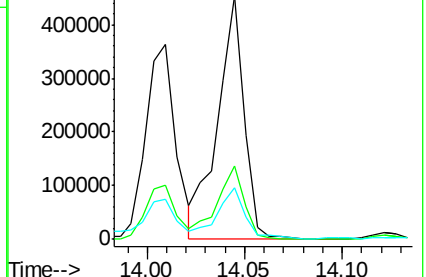
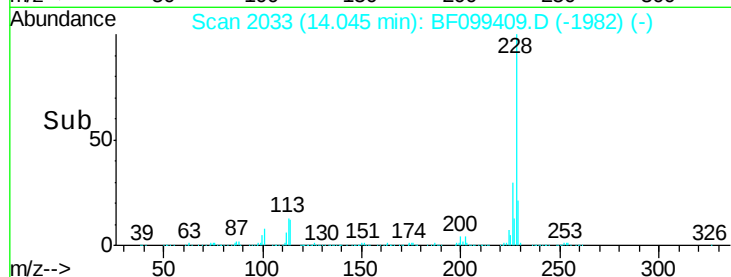
229 21.1 16.2 24.4



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: 17.82 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

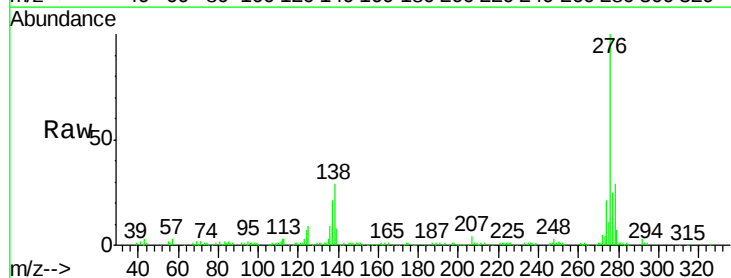
Tgt Ion:276 Resp: 182948

Ion Ratio Lower Upper

276 100

138 29.7 25.0 37.6

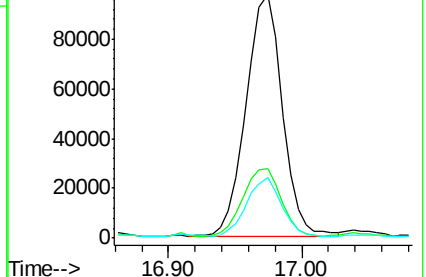
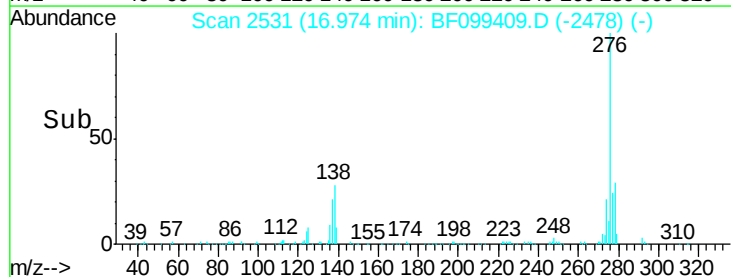
277 23.6 20.1 30.1

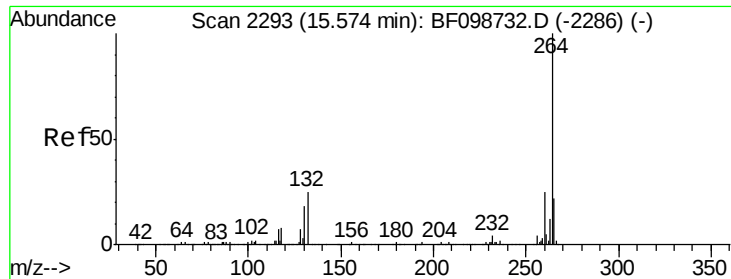


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

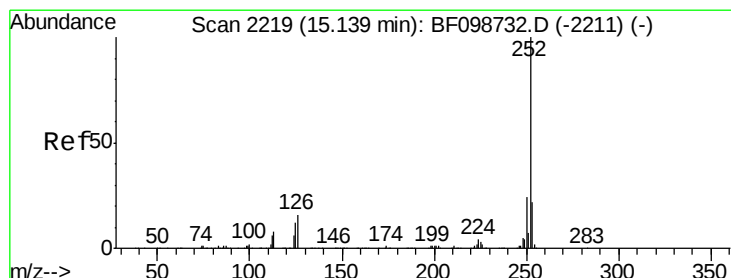
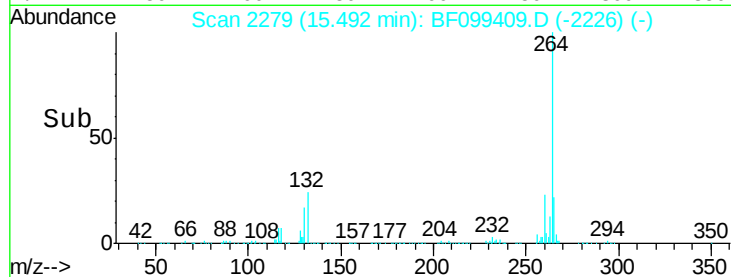
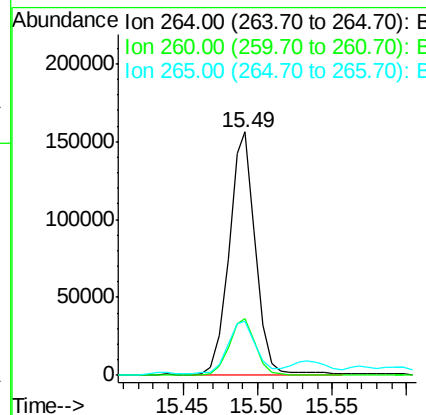
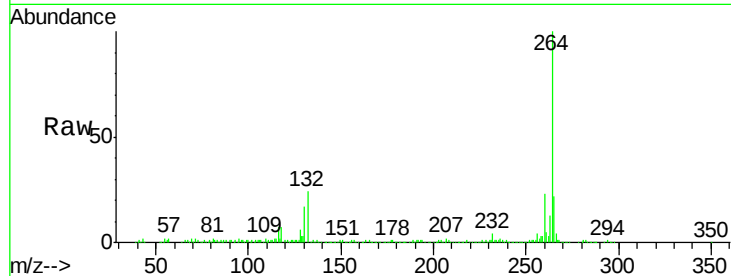




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

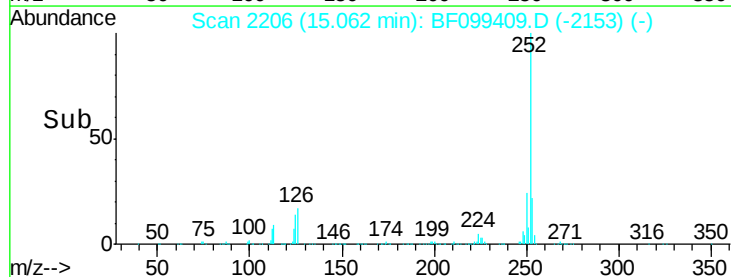
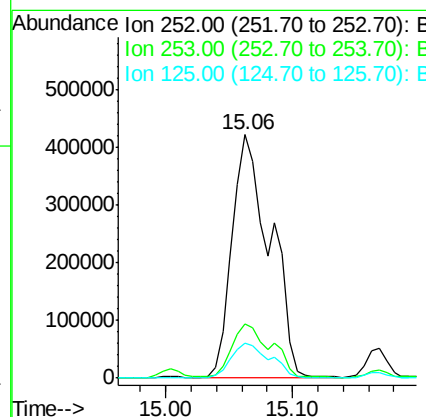
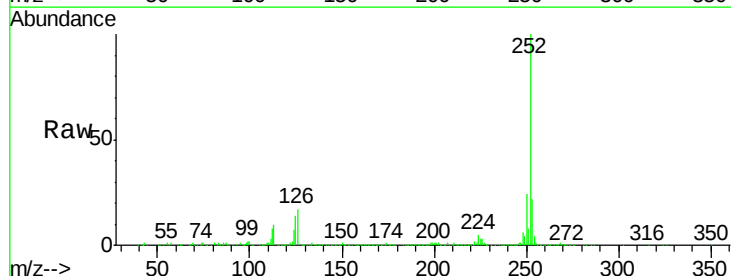
Instrument :
BNA_F
ClientSampleId :

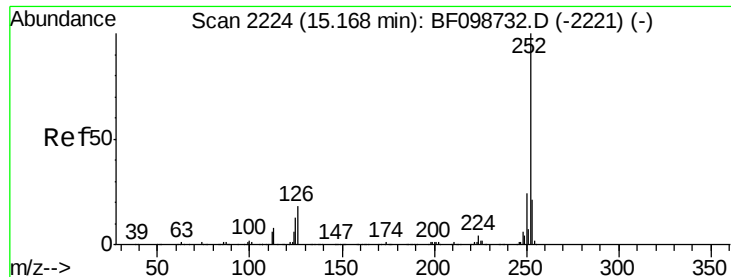
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 73.98 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.2	9.0	13.6

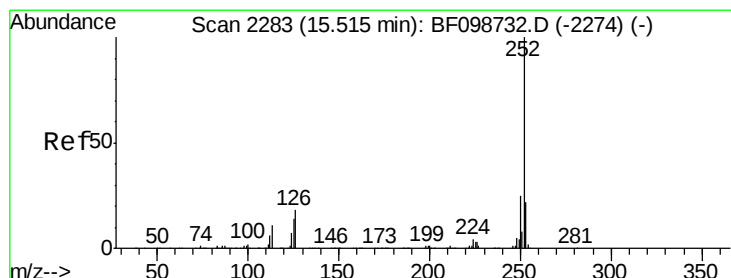
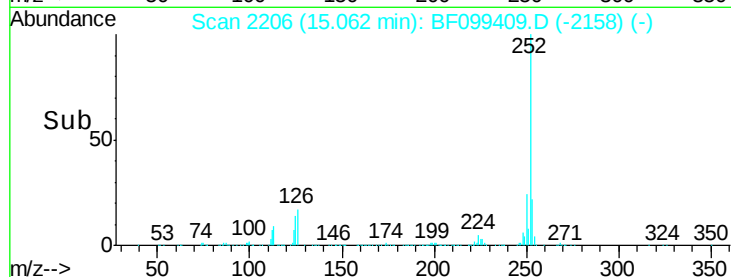
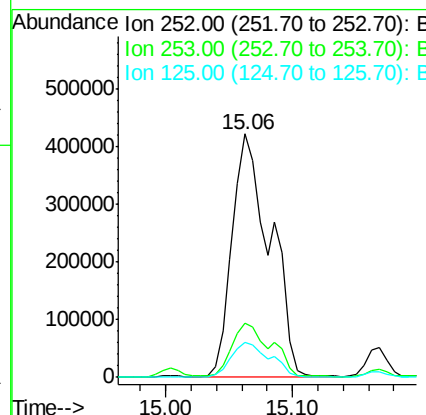
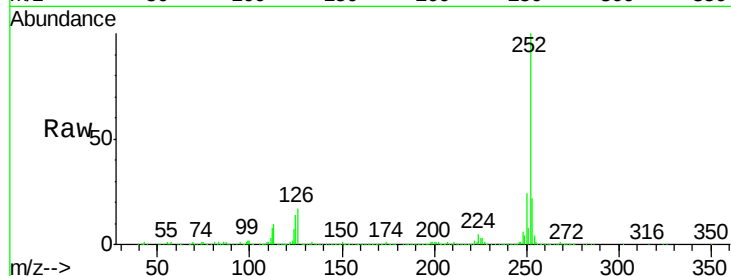




#88
Benzo(k)fluoranthene
Concen: 74.90 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

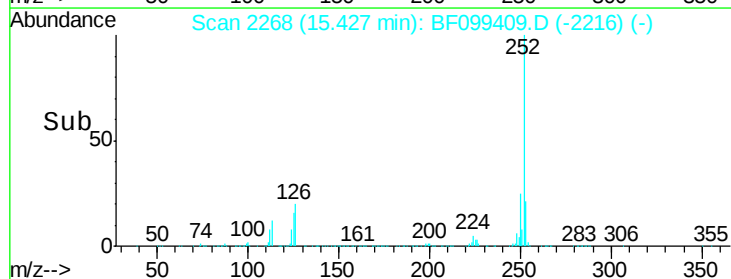
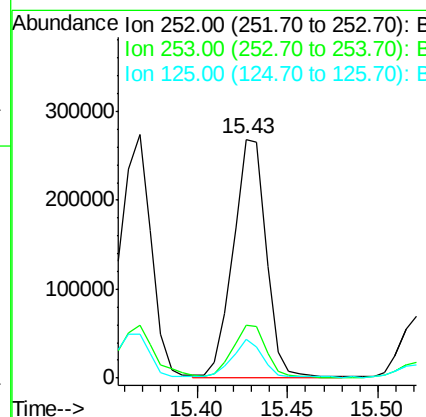
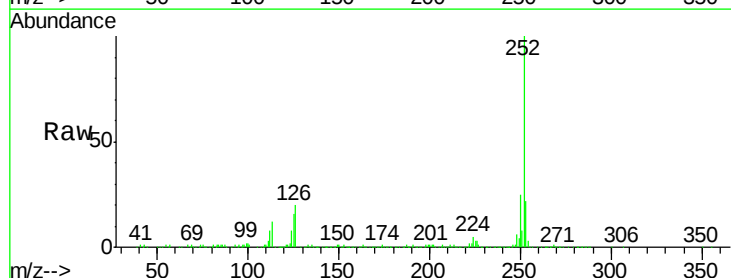
Instrument :
BNA_F
ClientSampleId :

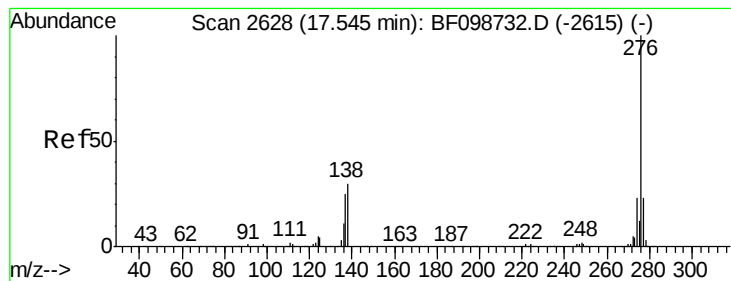
Tot Ion:252 Resp: 876928
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 14.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 31.08 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099409.D
Acq: 12 Oct 2017 21:56

Tgt Ion:252 Resp: 338196
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 16.2 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 18.63 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099409.D

Acq: 12 Oct 2017 21:56

Instrument :

BNA_F

ClientSampleId :

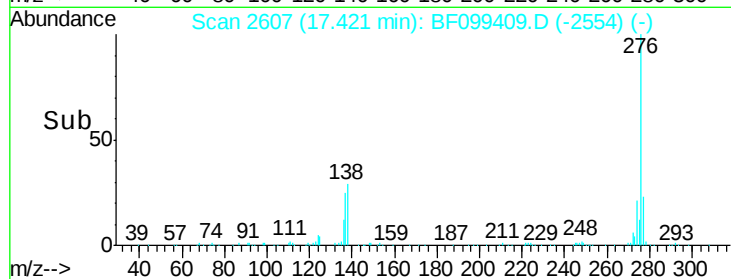
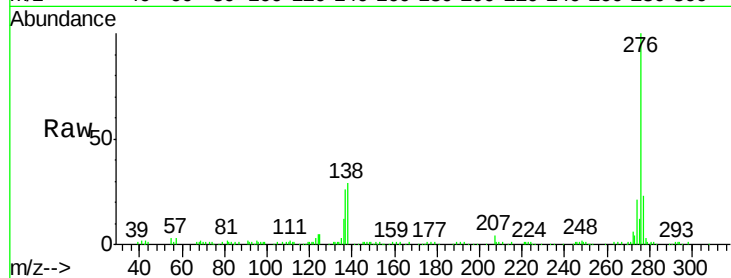
Tot Ion:276 Resp: 160369

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 29.2 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

