

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099401.D
 Acq On : 12 Oct 2017 18:13
 Operator : SJ/JU
 Sample : I5729-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 00:53:44 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	109571	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	437017	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	178988	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	261278	20.00	ng	0.00
75) Chrysene-d12	14.02	240	211304	20.00	ng	0.00
86) Perylene-d12	15.49	264	174670	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	699937	101.69	ng	0.01
7) Phenol-d6	6.49	99	827083	97.41	ng	0.00
23) Nitrobenzene-d5	7.42	82	492289	72.24	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	136306	93.07	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	891824	83.18	ng	0.00
78) Terphenyl-d14	12.96	244	579784	62.40	ng	0.00

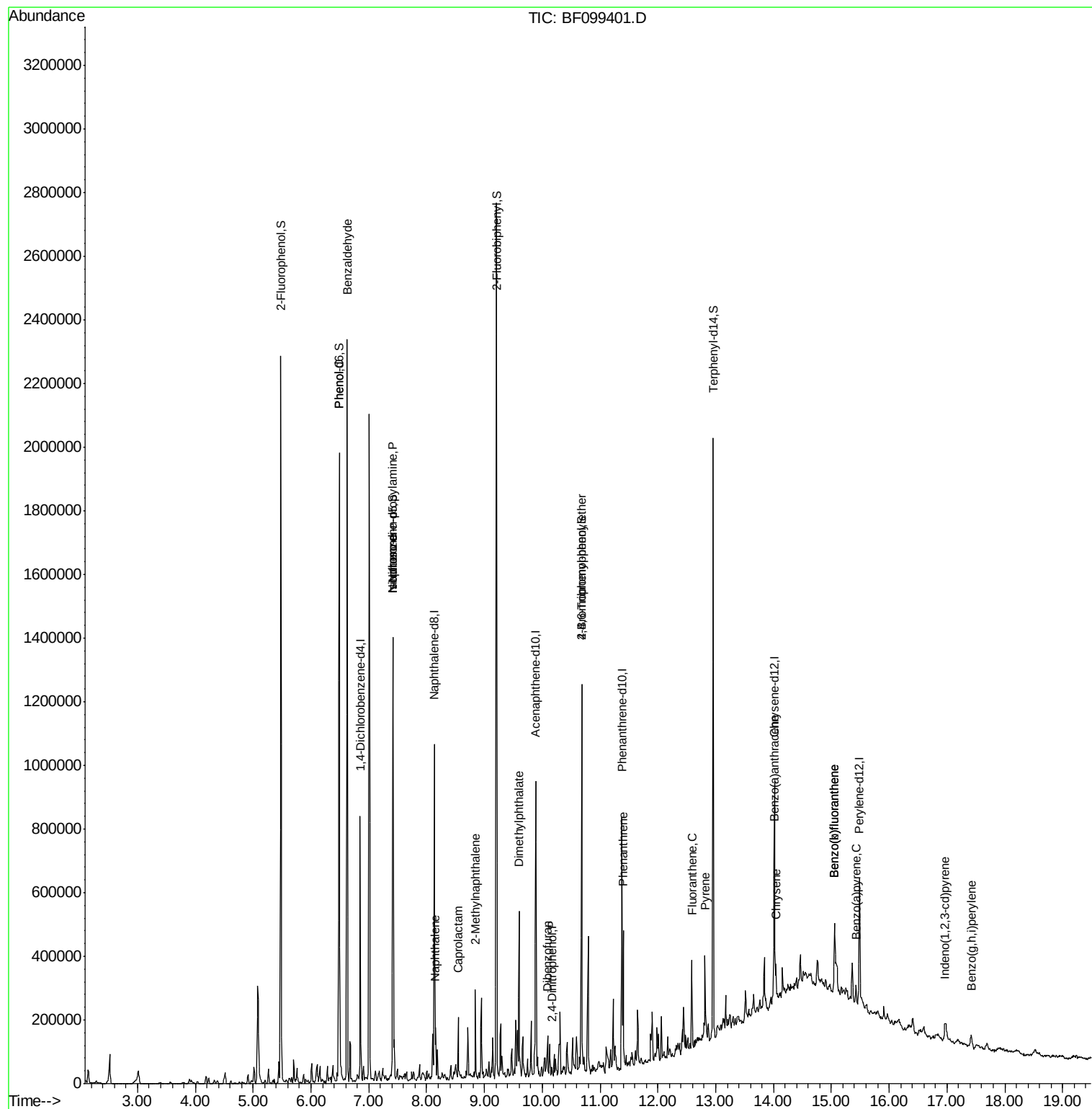
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	13546	2.75	ng	90
10) Phenol	6.50	94	23281	2.45	ng	85
19) n-Nitroso-di-n-propylamine	7.42	70	66971	12.35	ng	# 74
25) Isophorone	7.42	82	491425	34.88	ng	# 64
31) Naphthalene	8.15	128	71857	3.50	ng	99
35) Caprolactam	8.55	113	4203	2.17	ng	# 71
37) 2-Methylnaphthalene	8.85	142	70298	5.27	ng	97
49) Dimethylphthalate	9.60	163	129185	9.56	ng	100
53) 2,4-Dinitrophenol	10.17	184	1036	6.46	ng	# 16
54) Dibenzofuran	10.09	168	30353	2.04	ng	# 95
66) 4-Bromophenyl-phenylether	10.68	248	9152	3.58	ng	# 1
70) Phenanthrene	11.40	178	146238	10.46	ng	98
74) Fluoranthene	12.59	202	91275	6.45	ng	99
77) Pyrene	12.82	202	74267	4.61	ng	97
80) Benzo(a)anthracene	14.00	228	34061	2.66	ng	# 94
82) Chrysene	14.04	228	47402	3.89	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.97	276	33661	3.45	ng	98
87) Benzo(b)fluoranthene	15.06	252	146308	13.62	ng	# 92
88) Benzo(k)fluoranthene	15.06	252	146308	13.79	ng	# 95
89) Benzo(a)pyrene	15.43	252	20672	2.10	ng	# 85
91) Benzo(a,h,i)perylene	17.42	276	32838	4.21	ng	# 89

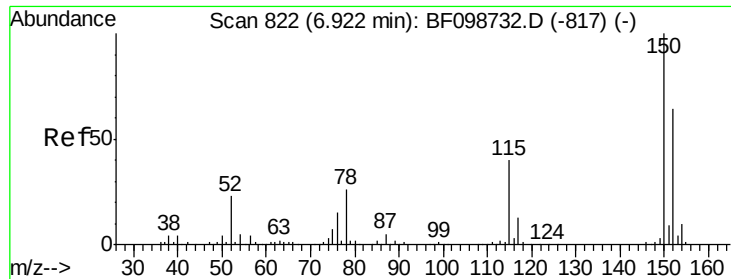
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099401.D
Acq On : 12 Oct 2017 18:13
Operator : SJ/JU
Sample : I5729-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 13 00:53:44 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



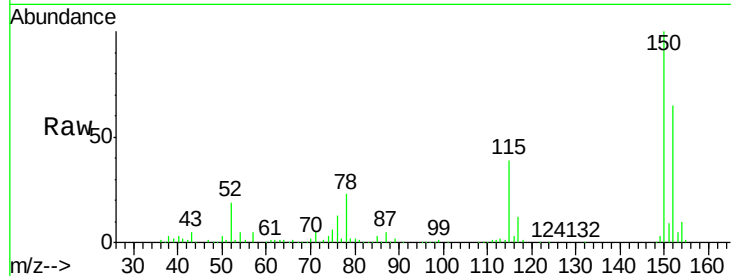


#1

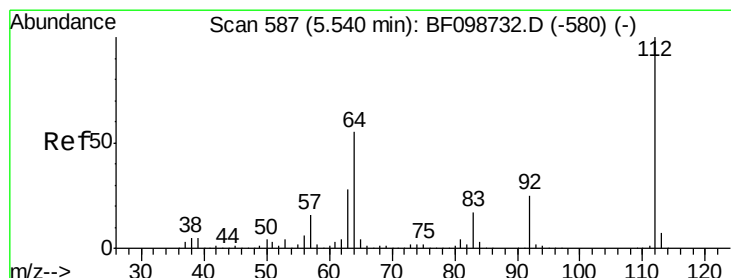
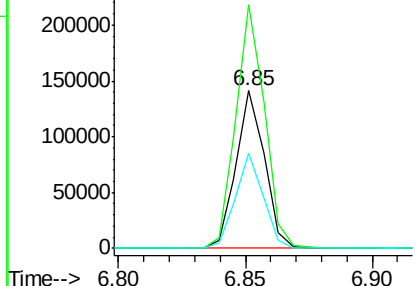
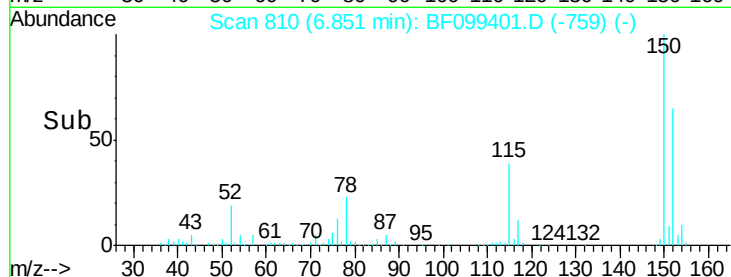
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	152	Resp	109571
Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	60.2	50.1	75.1



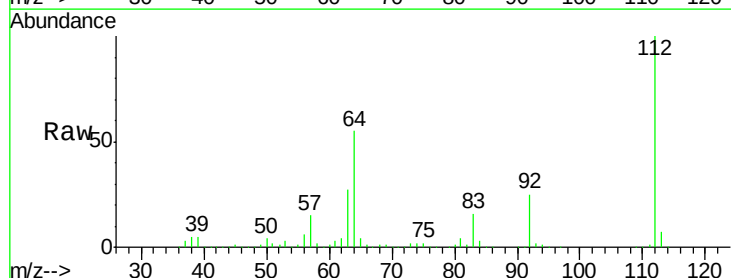
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



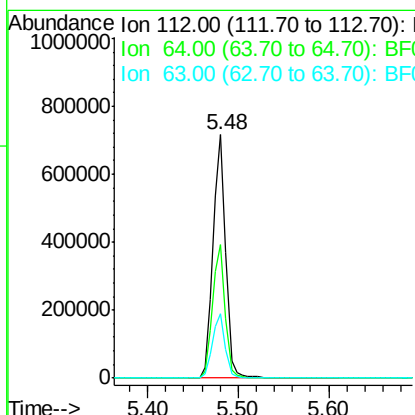
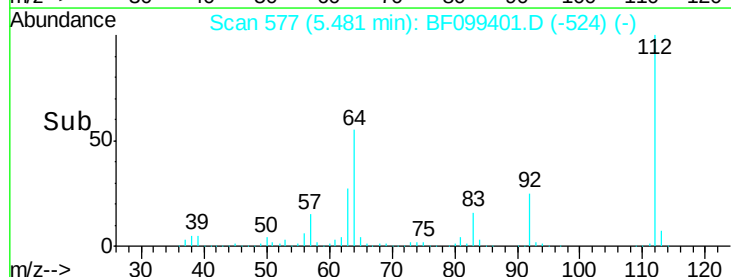
#5

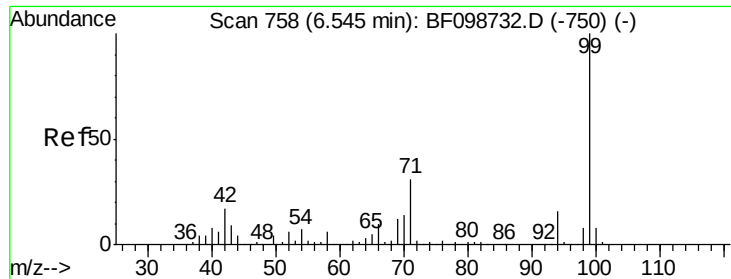
2-Fluorophenol
Concen: 101.69 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	112	Resp	699937
Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	26.7	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: 97.41 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampled :

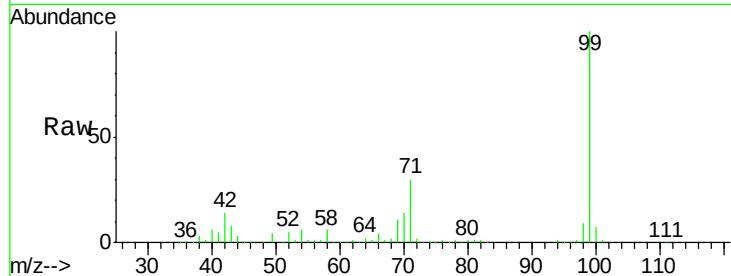
Tot Ion: 99 Resp: 827083

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

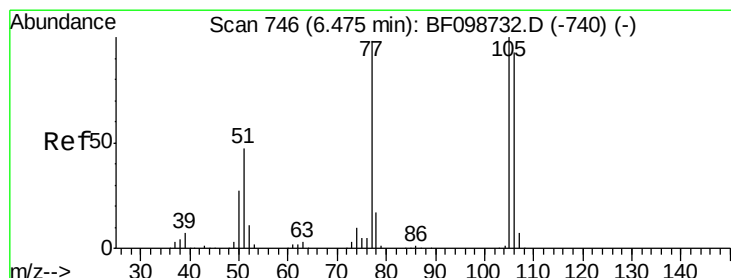
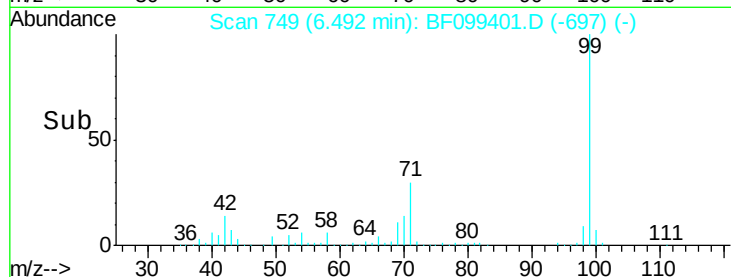
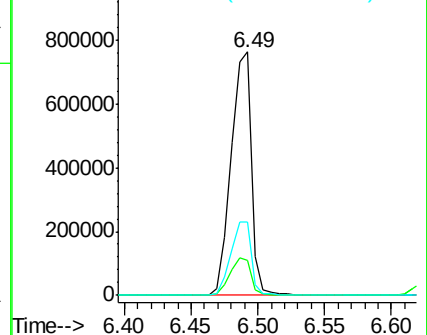
71 29.9 25.4 38.0



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: 2.75 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

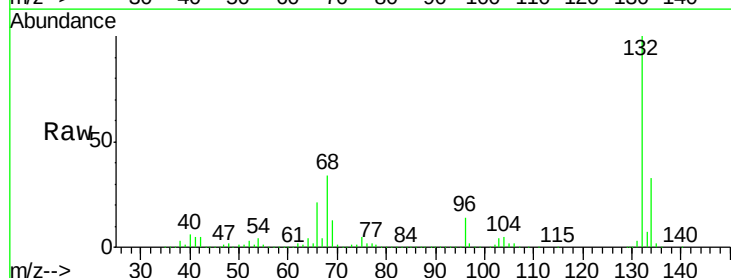
Tgt Ion: 77 Resp: 13546

Ion Ratio Lower Upper

77 100

105 88.1 81.1 121.1

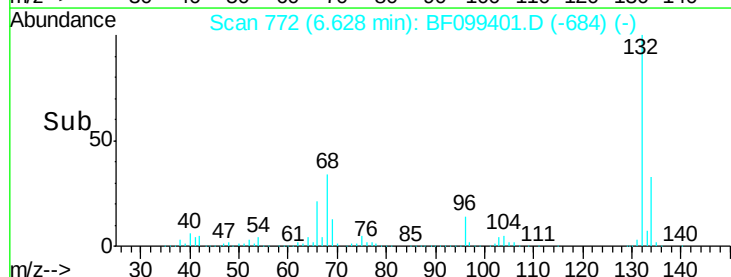
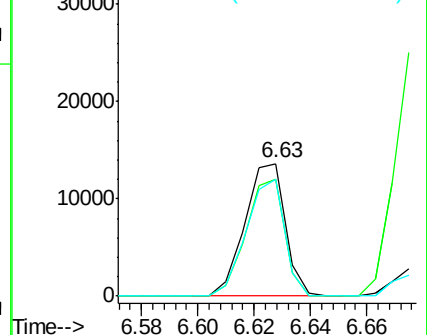
106 88.2 74.5 114.5

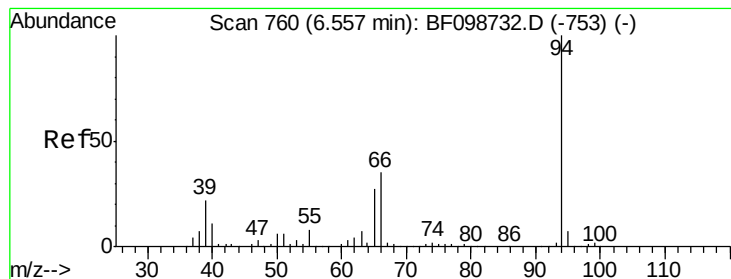


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.45 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampleId :

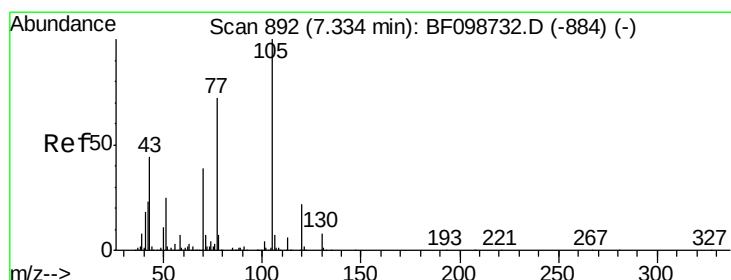
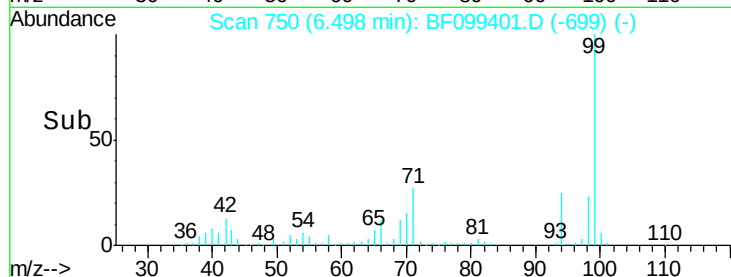
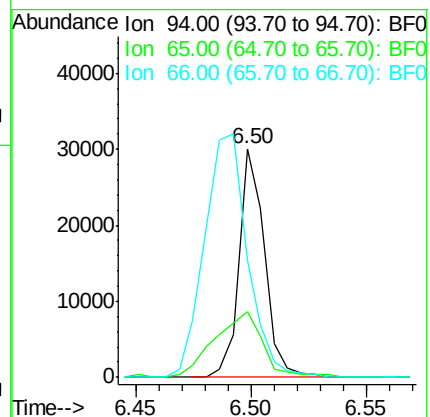
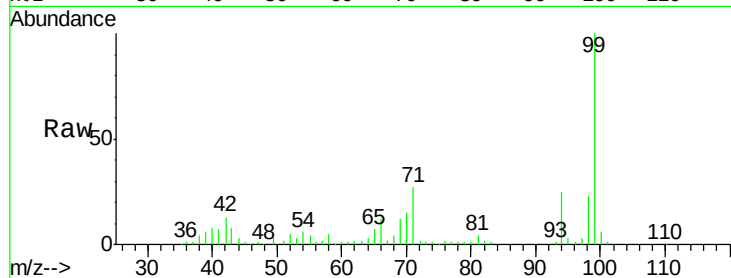
Tot Ion: 94 Resp: 23281

Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 50.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.35 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Tgt Ion: 70 Resp: 66971

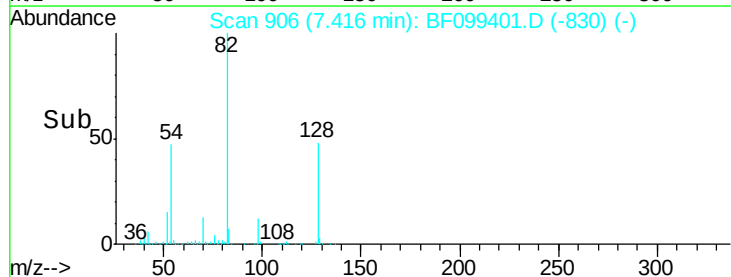
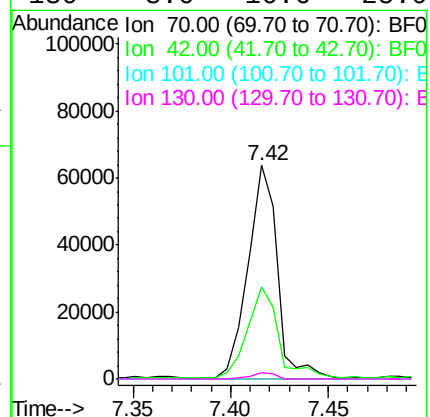
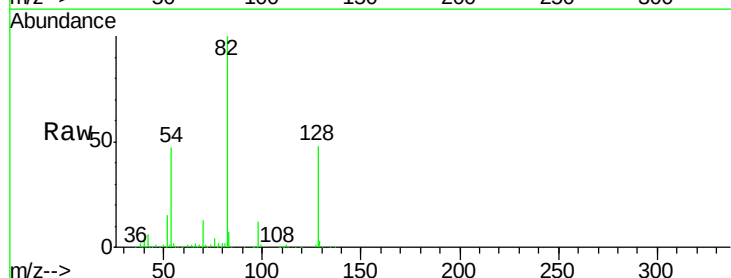
Ion Ratio Lower Upper

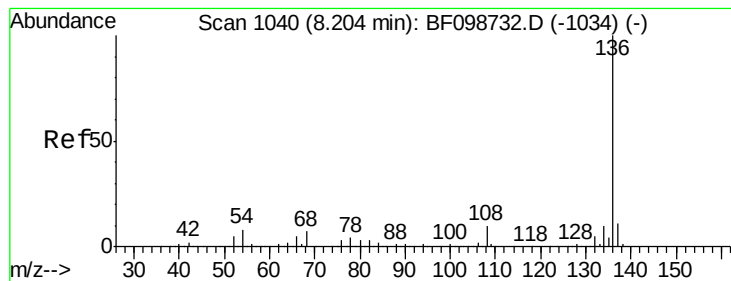
70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 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: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 437017

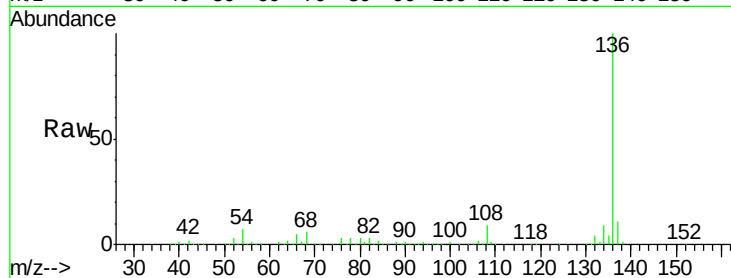
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 5.8 5.0 7.4

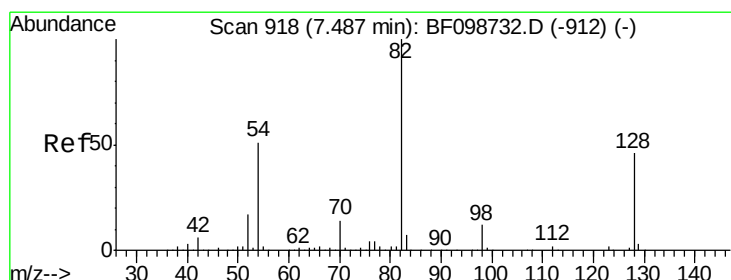
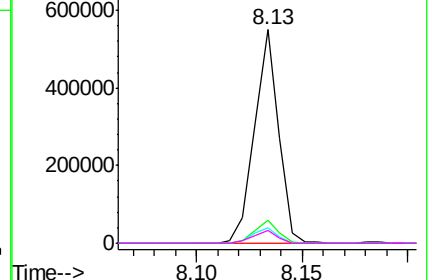
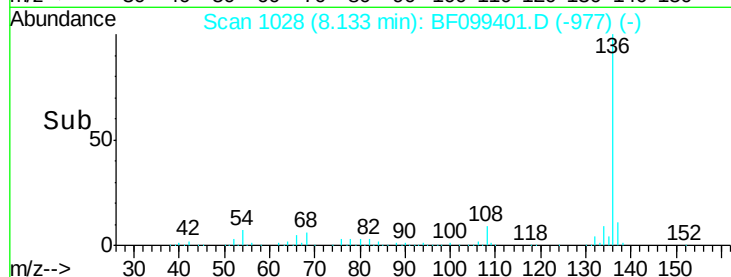


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.24 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

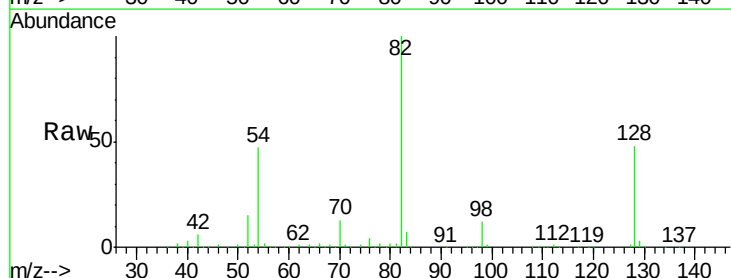
Tgt Ion: 82 Resp: 492289

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

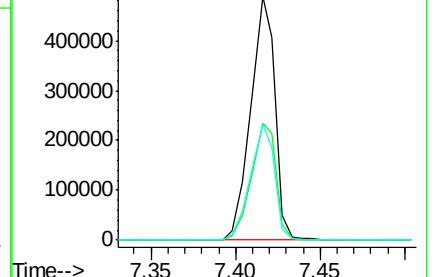
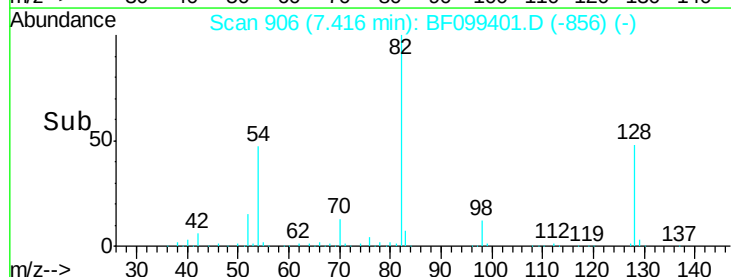
54 47.3 41.4 62.2

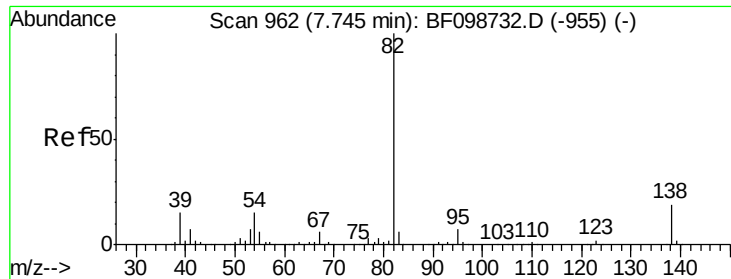


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.88 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampleId :

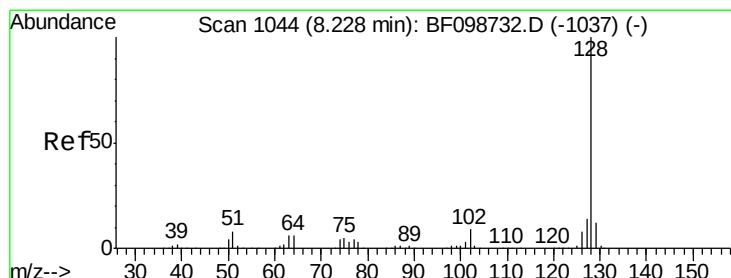
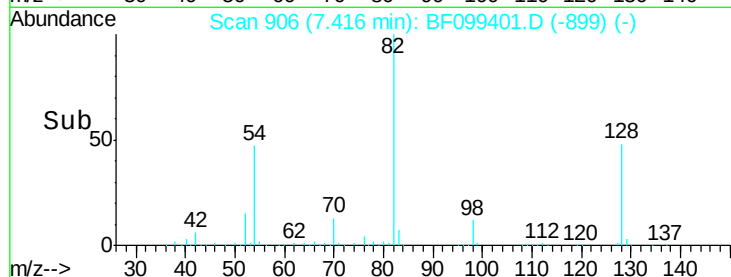
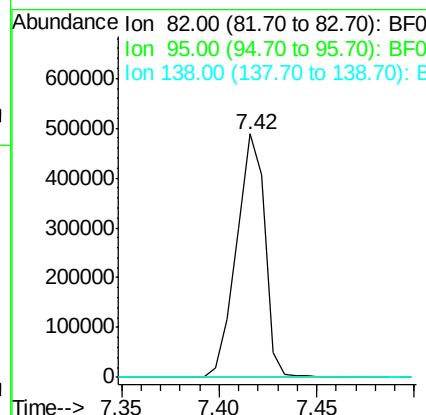
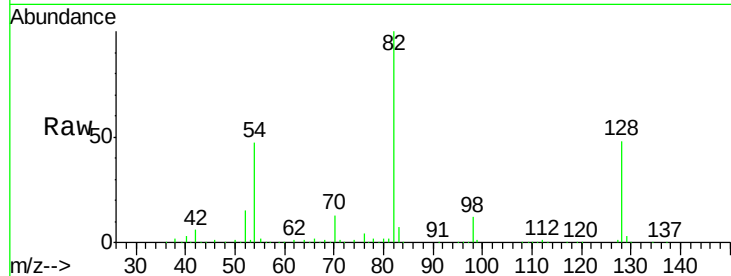
Tot Ion: 82 Resp: 491425

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 3.50 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

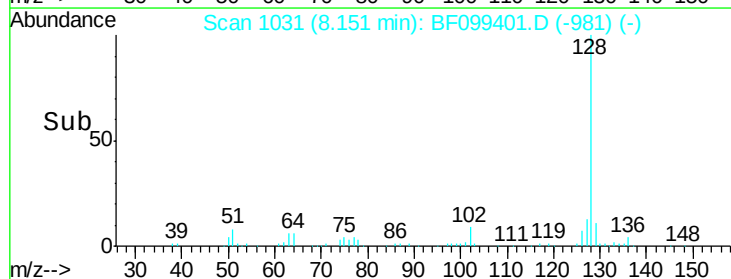
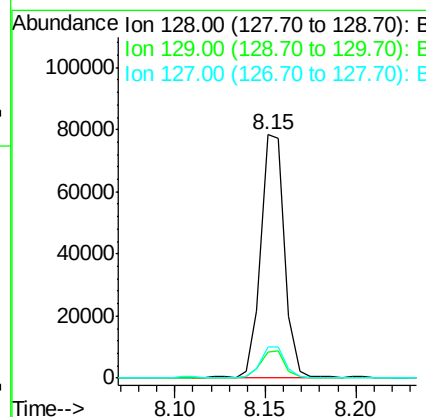
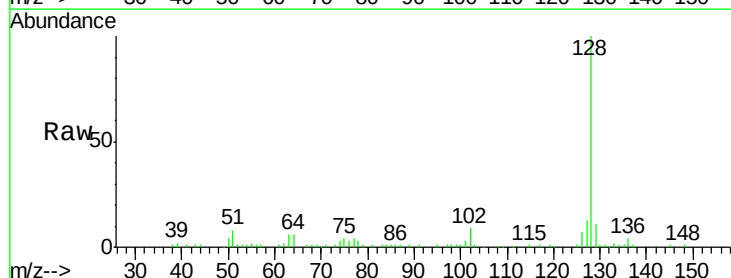
Tgt Ion: 128 Resp: 71857

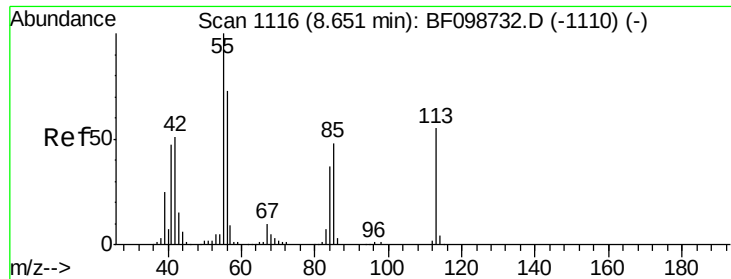
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 13.1 10.9 16.3





#35

Caprolactam

Concen: 2.17 ng

RT: 8.55 min Scan# 1098

Delta R.T. -0.04 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampled :

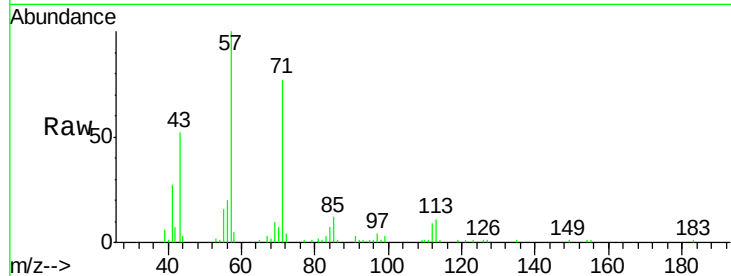
Tot Ion:113 Resp: 4203

Ion Ratio Lower Upper

113 100

55 151.8 163.3 203.3#

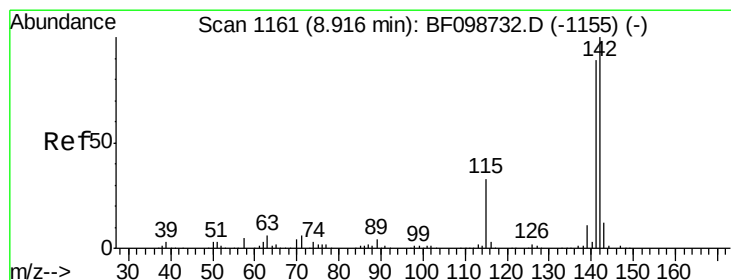
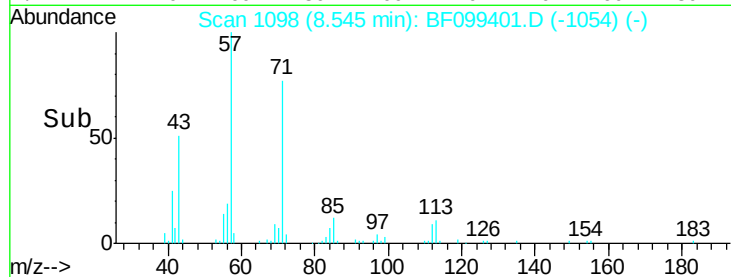
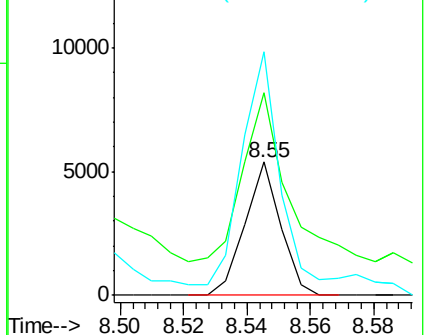
56 182.8 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 5.27 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

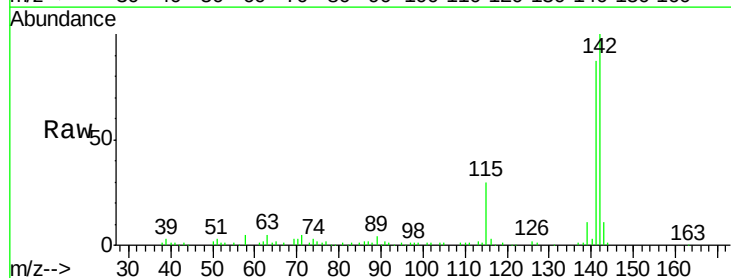
Tgt Ion:142 Resp: 70298

Ion Ratio Lower Upper

142 100

141 86.6 70.8 106.2

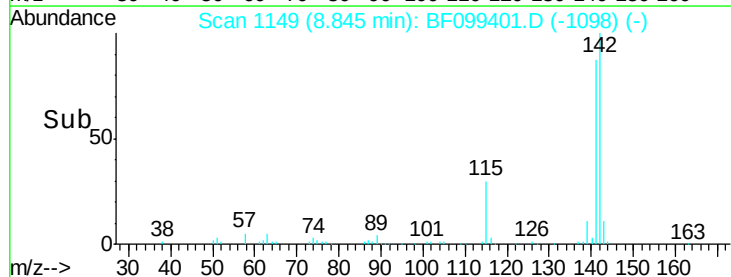
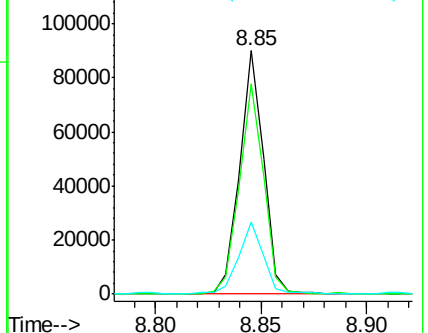
115 29.6 26.1 39.1

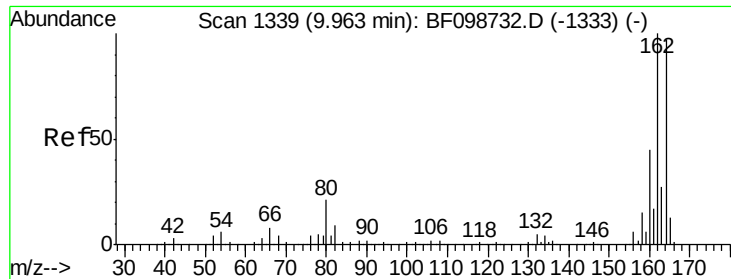


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

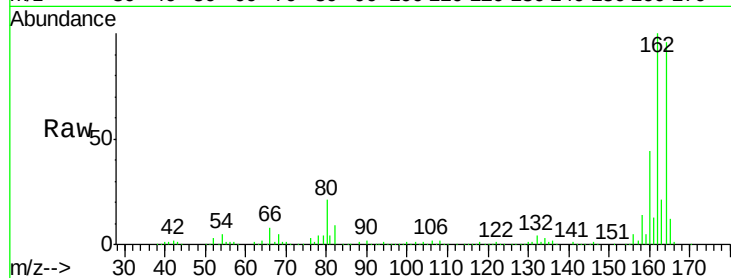




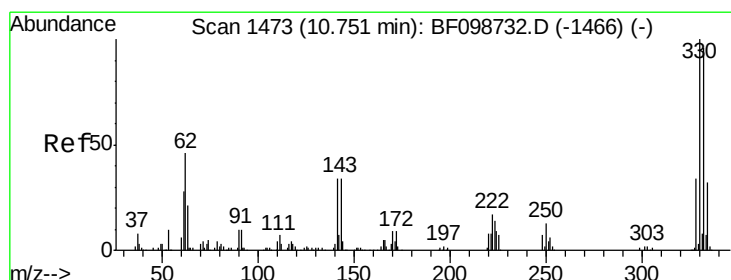
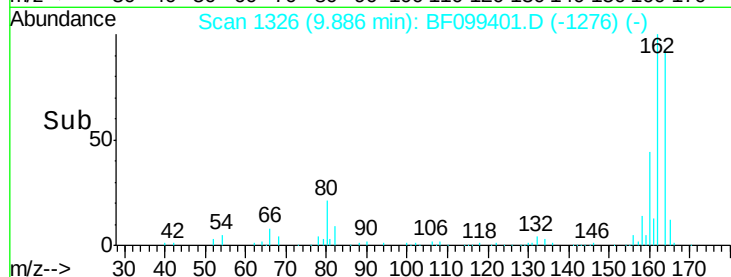
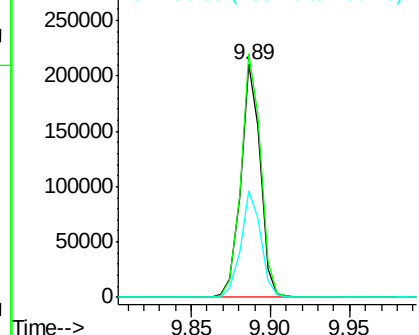
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 178988
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 45.6 38.3 57.5

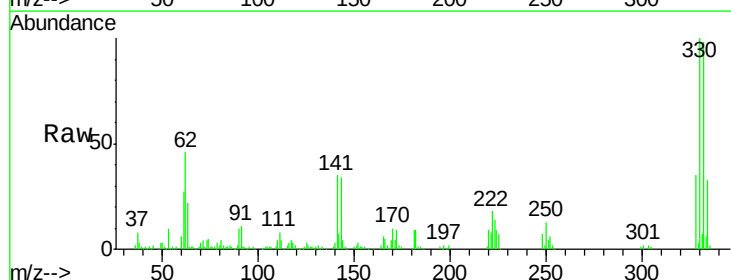


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

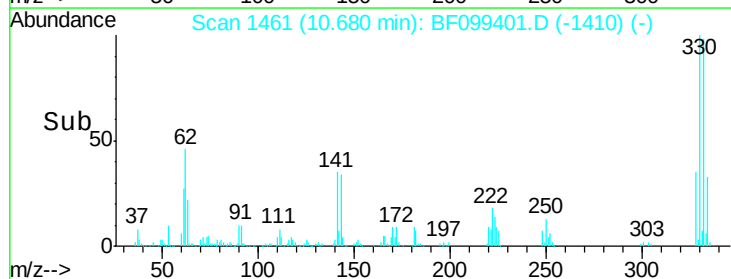
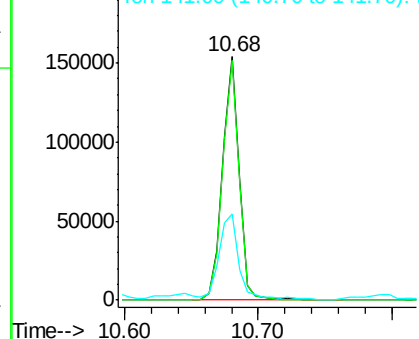


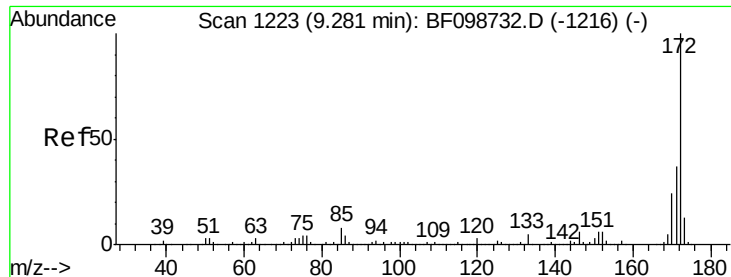
#41
 2,4,6-Tribromophenol
 Concen: 93.07 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Tgt Ion:330 Resp: 136306
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 41.9 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

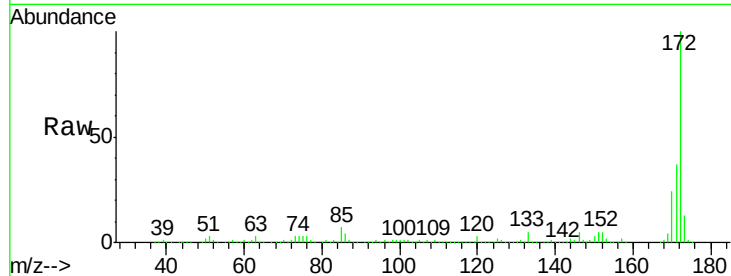




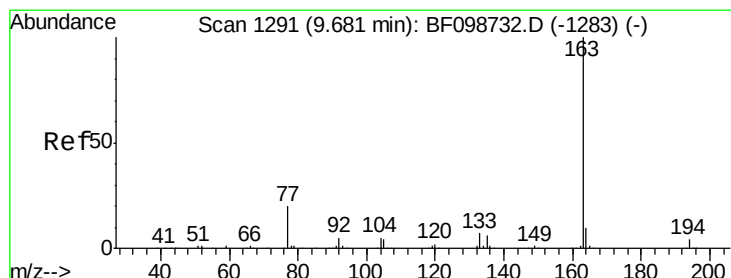
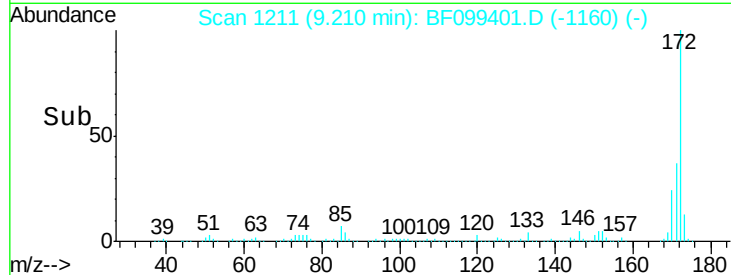
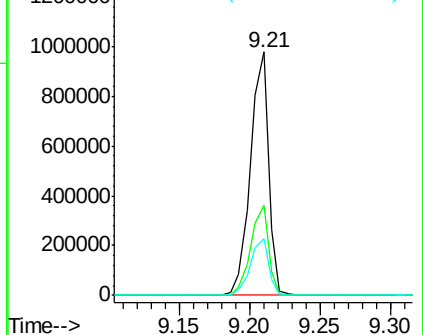
#44
 2-Fluorobiphenyl
 Concen: 83.18 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 891824
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 23.6 19.6 29.4

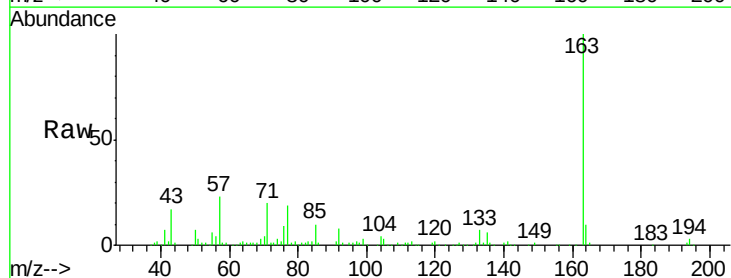


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

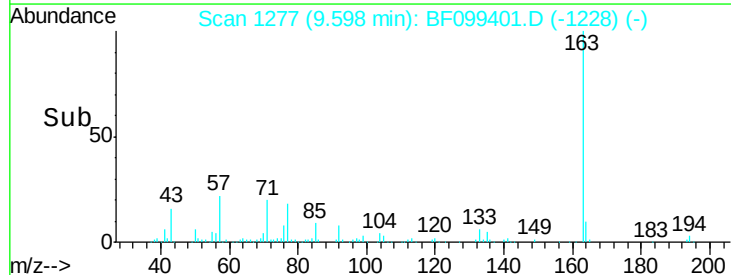
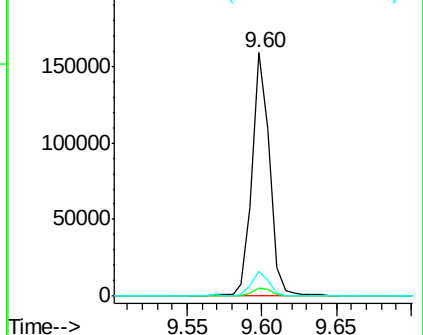


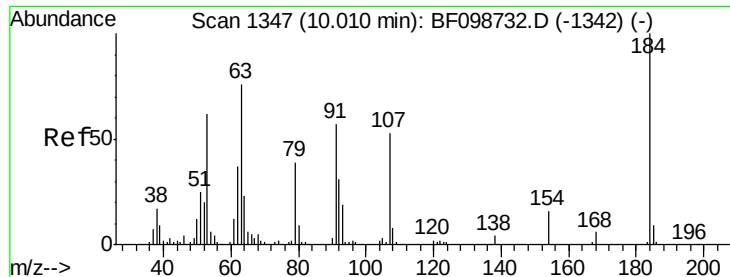
#49
 Dimethylphthalate
 Concen: 9.56 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Tgt Ion:163 Resp: 129185
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 10.3 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

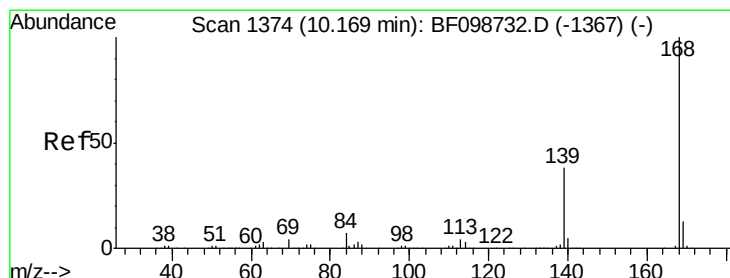
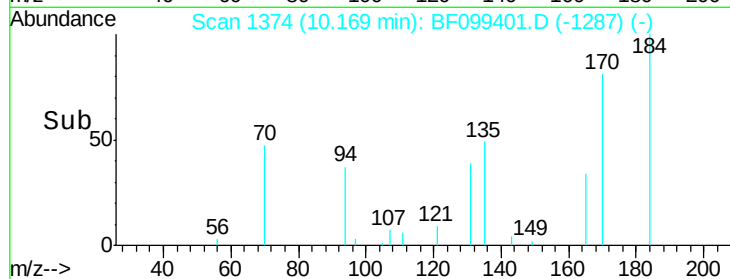
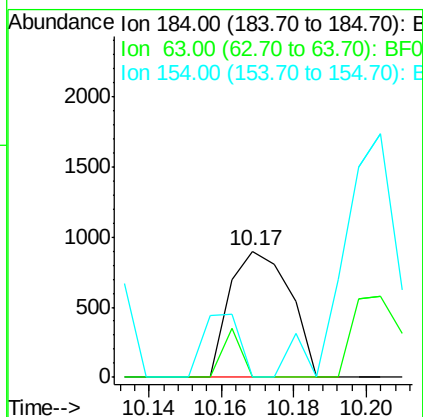
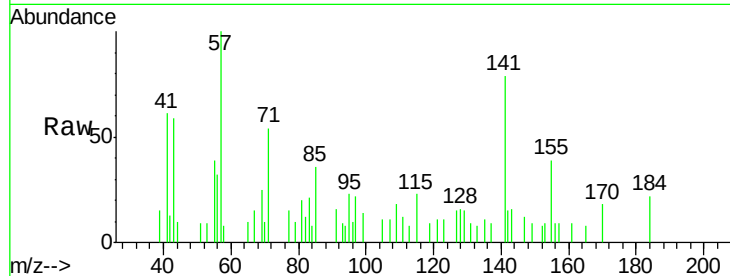




#53
2,4-Dinitrophenol
Concen: 6.46 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.21 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

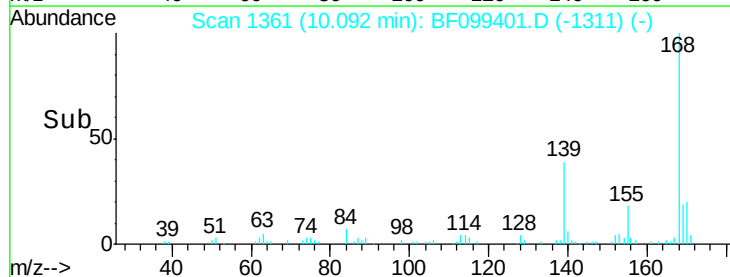
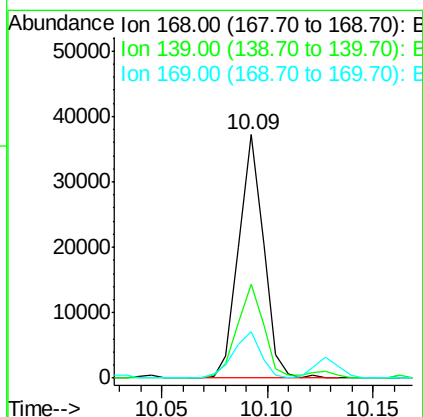
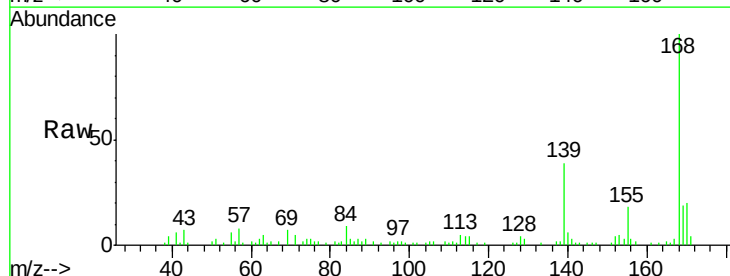
Instrument :
BNA_F
ClientSampled :

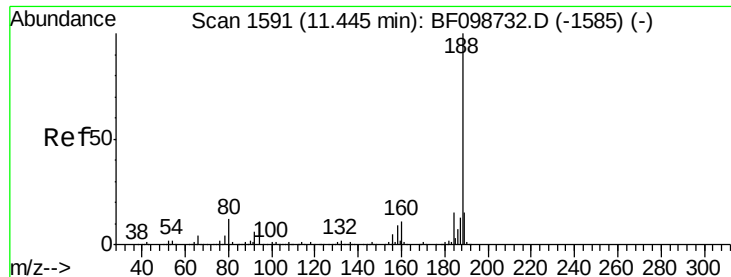
Tot Ion:184 Resp: 1036
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 53.5 80.3#



#54
Dibenzofuran
Concen: 2.04 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion:168 Resp: 30353
Ion Ratio Lower Upper
168 100
139 38.7 30.1 45.1
169 19.3 10.9 16.3#

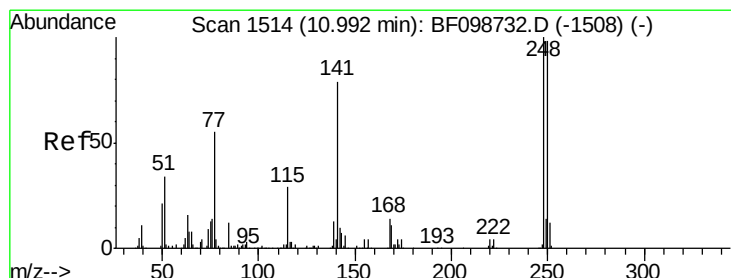
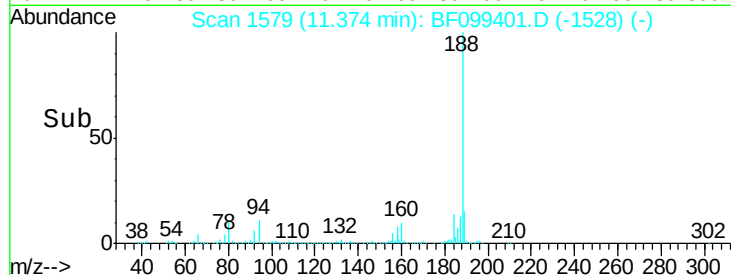
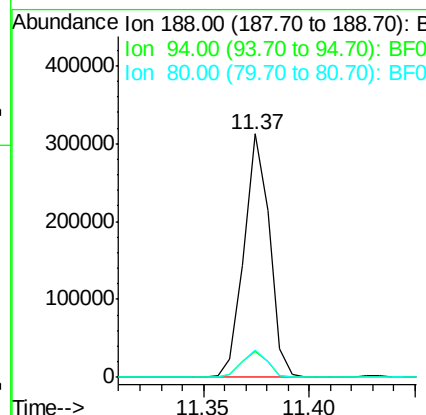
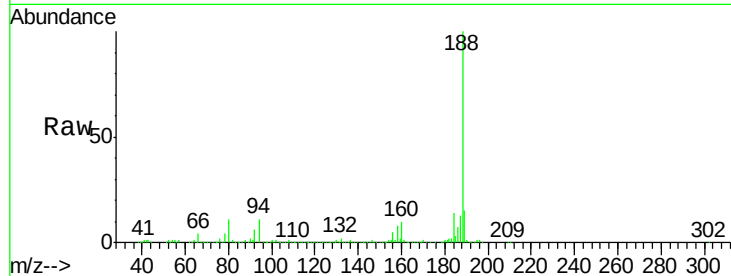




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

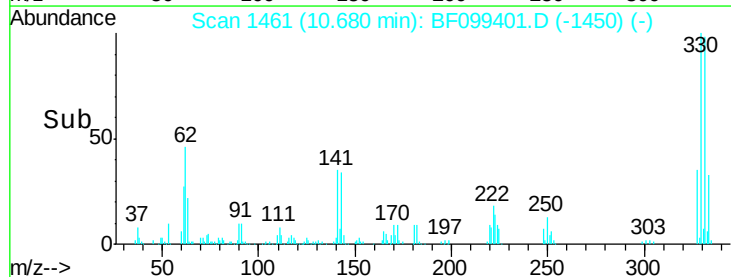
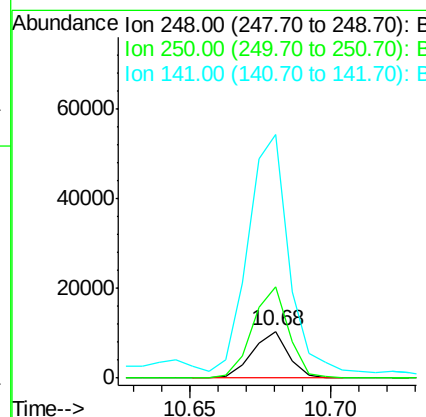
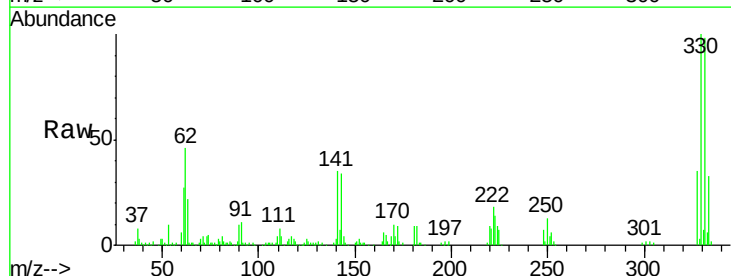
Instrument :
BNA_F
ClientSampleId :

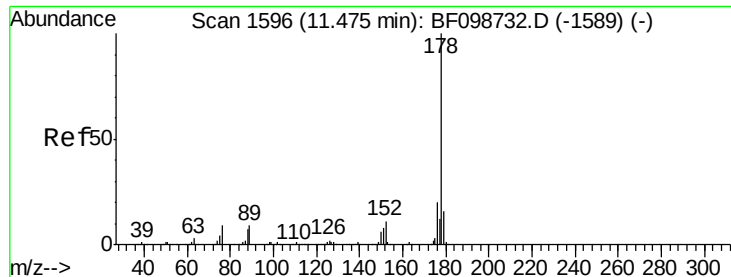
Tot Ion:188 Resp: 261278
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.58 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion:248 Resp: 9152
Ion Ratio Lower Upper
248 100
250 196.5 76.9 115.3#
141 523.2 74.4 111.6#

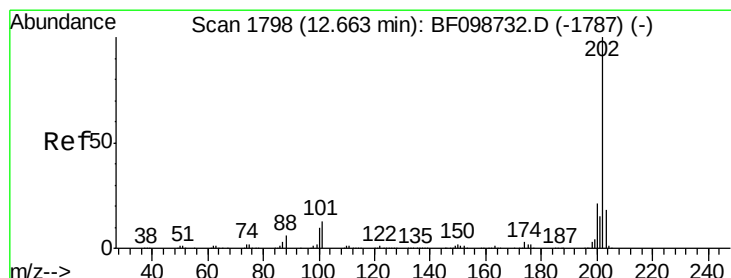
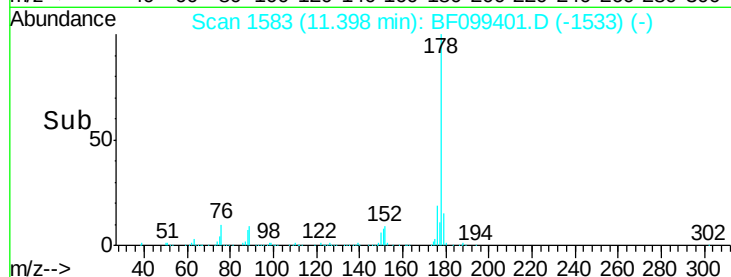
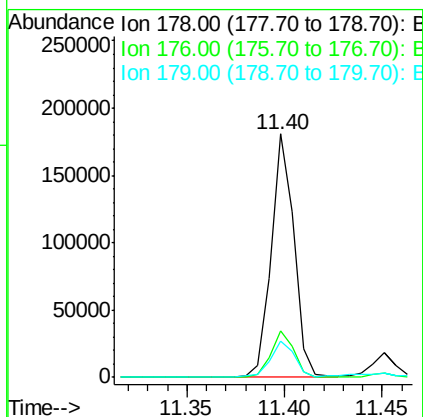
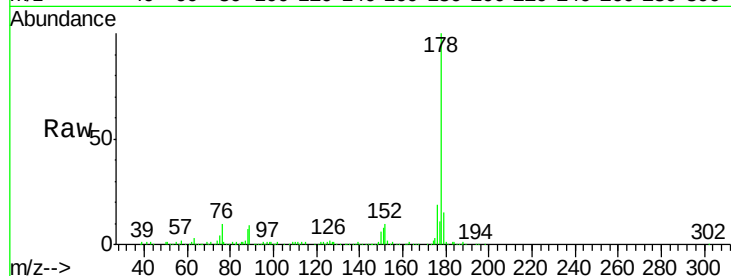




#70
Phenanthrene
Concen: 10.46 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

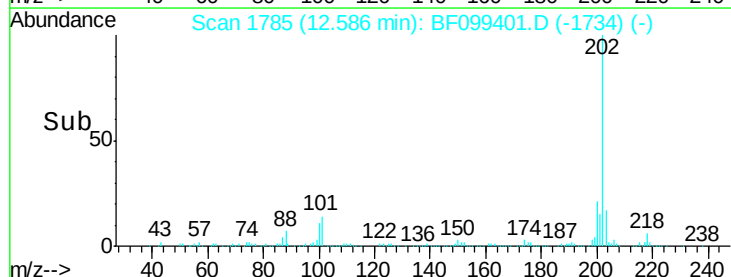
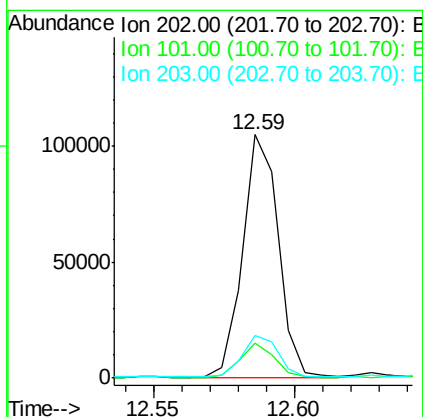
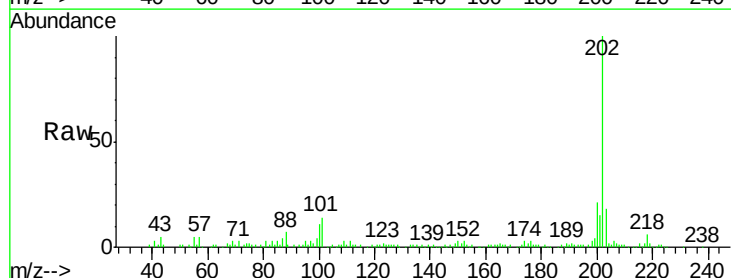
Instrument :
BNA_F
ClientSampled :

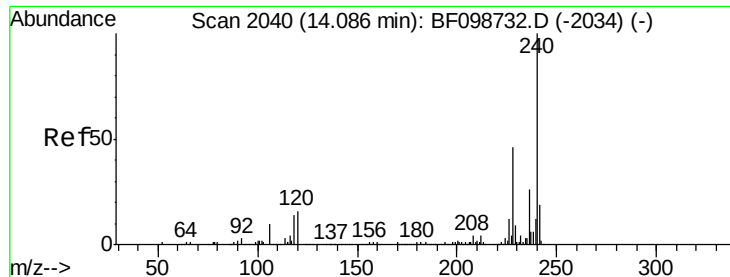
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.0	13.0	19.6



#74
Fluoranthene
Concen: 6.45 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampleId :

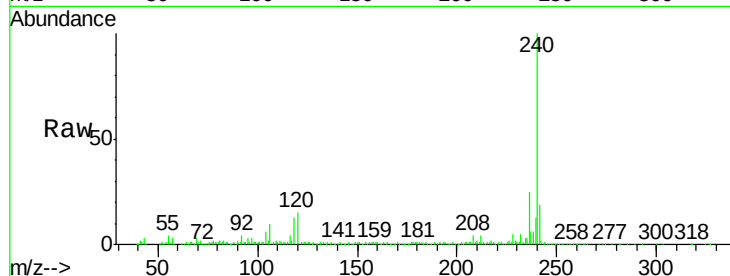
Tot Ion:240 Resp: 211304

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

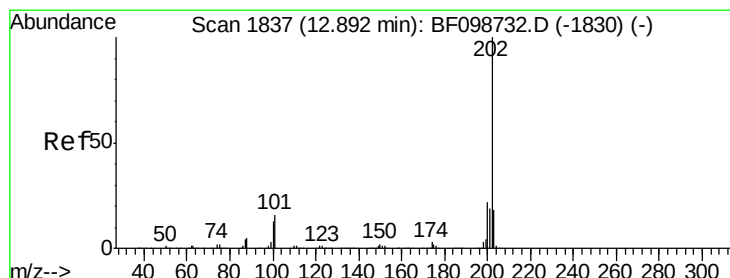
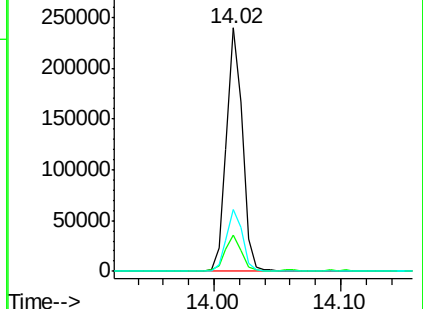
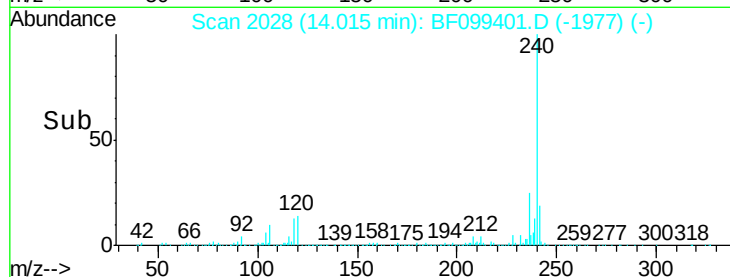
236 25.4 20.7 31.1



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

Pyrene

Concen: 4.61 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

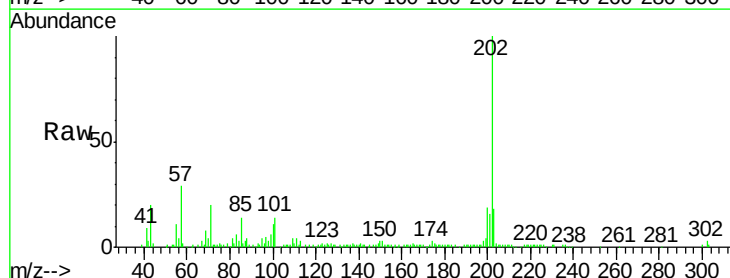
Tgt Ion:202 Resp: 74267

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

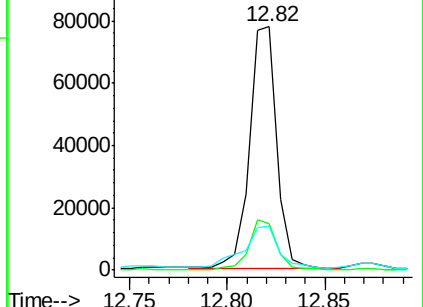
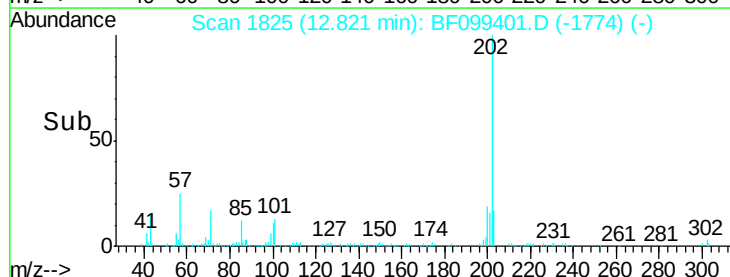
203 18.1 14.3 21.5

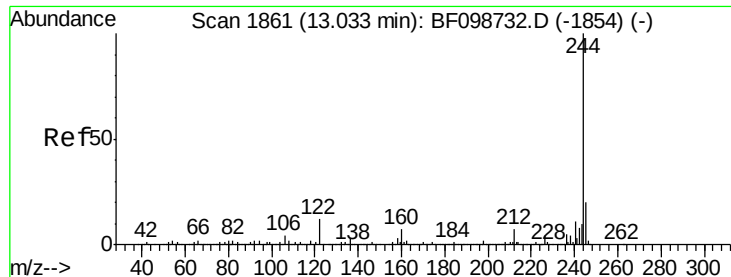


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

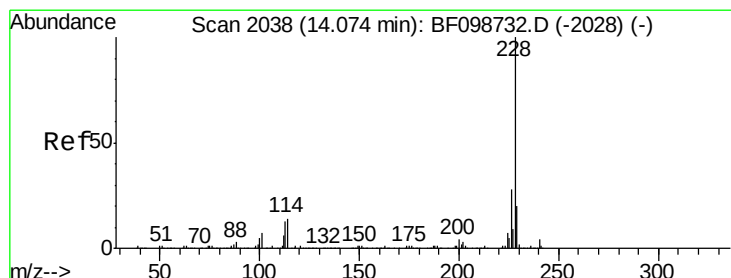
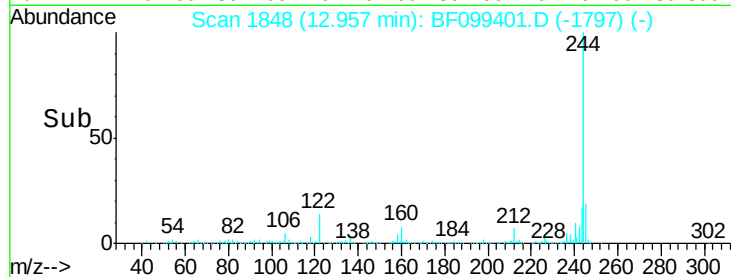
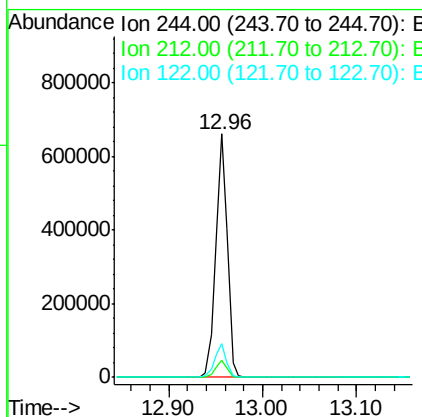
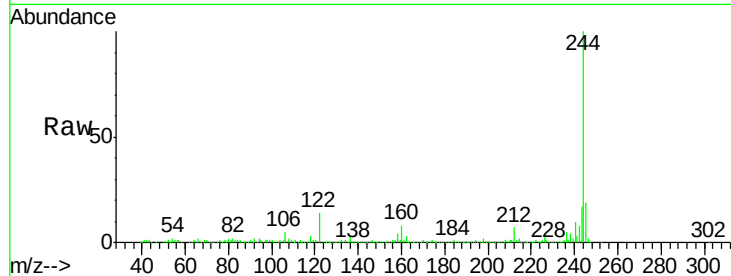




#78
 Terphenyl-d14
 Concen: 62.40 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

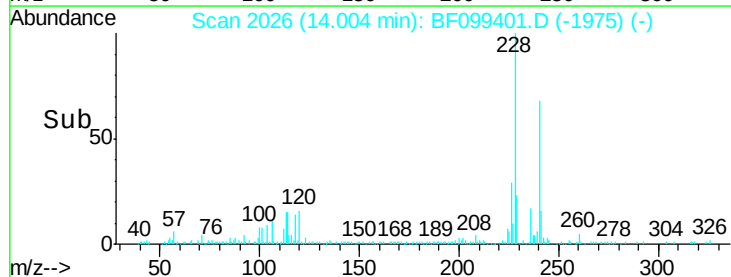
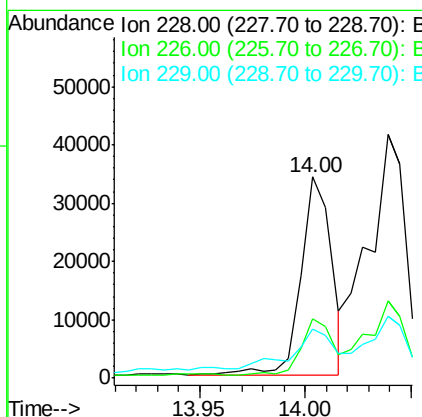
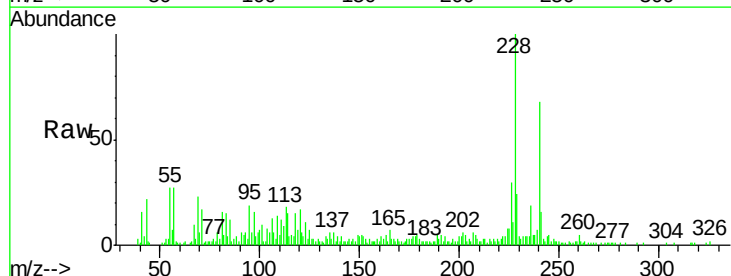
Instrument :
 BNA_F
 ClientSampleId :

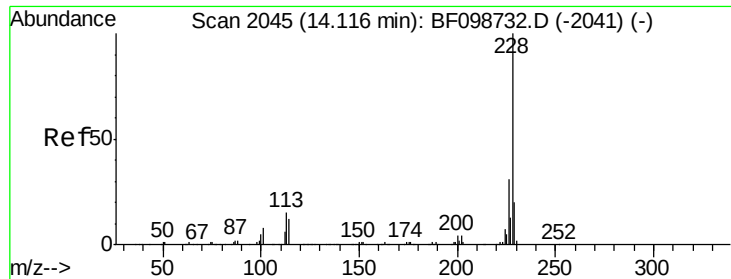
Tot Ion:244 Resp: 579784
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.66 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Tgt Ion:228 Resp: 34061
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 24.4 15.8 23.6#

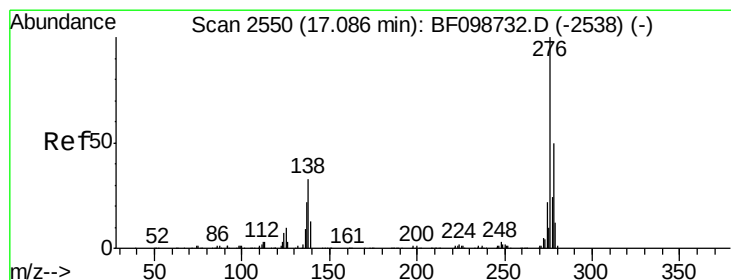
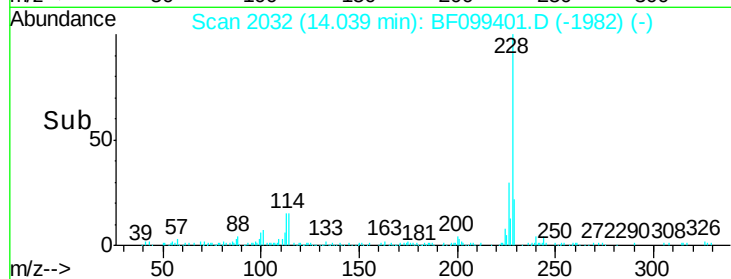
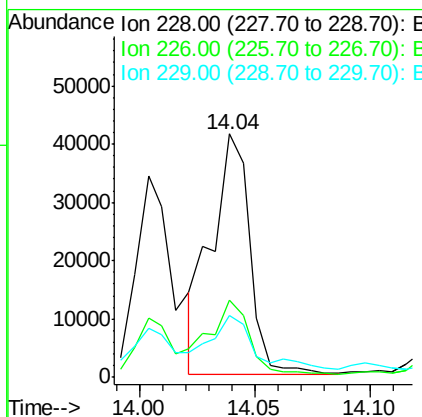
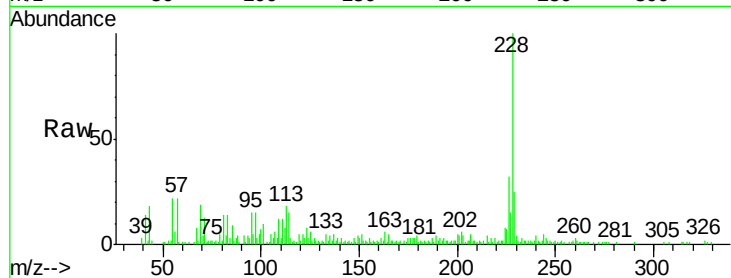




#82
Chrysene
Concen: 3.89 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

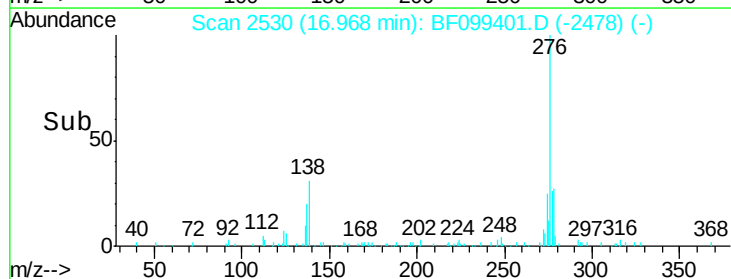
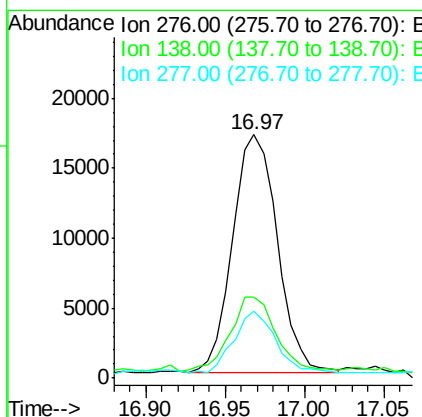
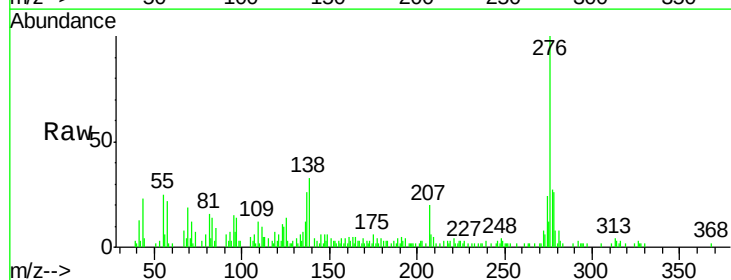
Instrument :
BNA_F
ClientSampleId :

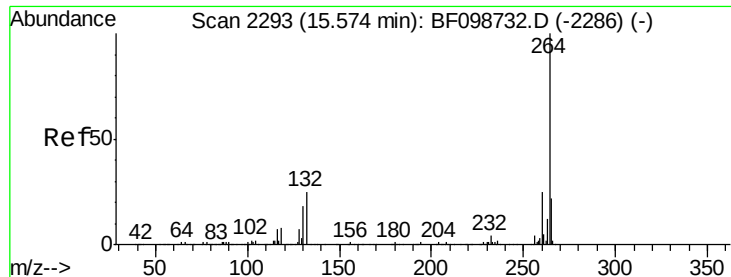
Tot Ion:228 Resp: 47402
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 25.2 16.2 24.4#



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.45 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion:276 Resp: 33661
Ion Ratio Lower Upper
276 100
138 32.4 25.0 37.6
277 23.9 20.1 30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

Instrument :

BNA_F

ClientSampleId :

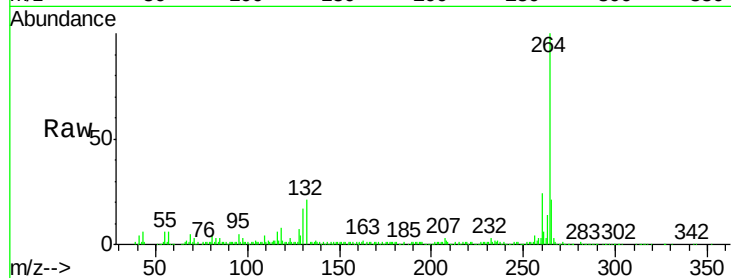
Tot Ion:264 Resp: 174670

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

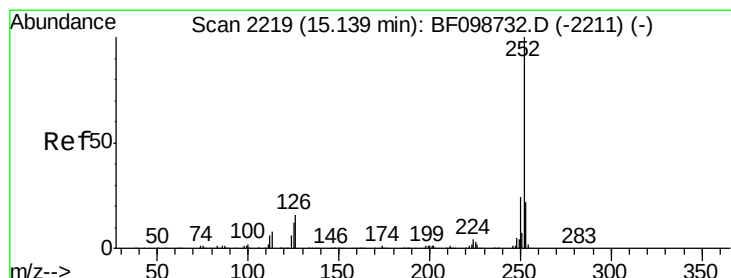
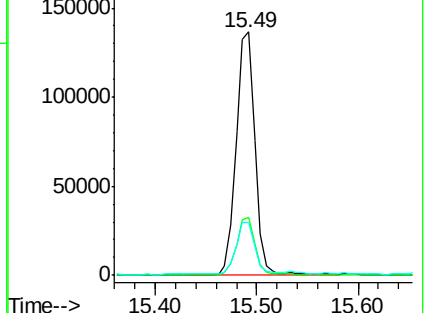
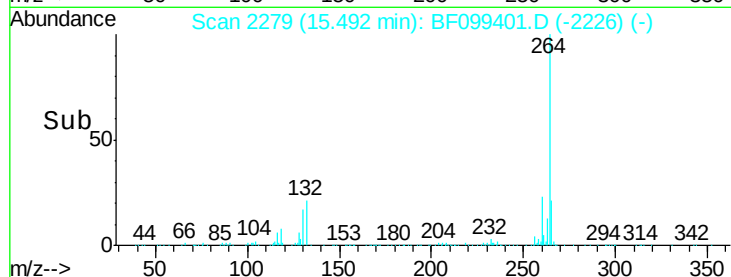
265 21.5 17.5 26.3



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: 13.62 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF099401.D

Acq: 12 Oct 2017 18:13

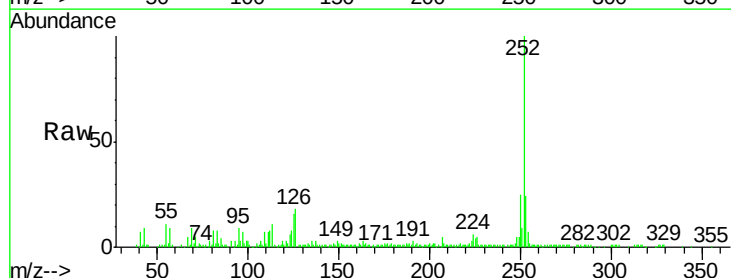
Tgt Ion:252 Resp: 146308

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

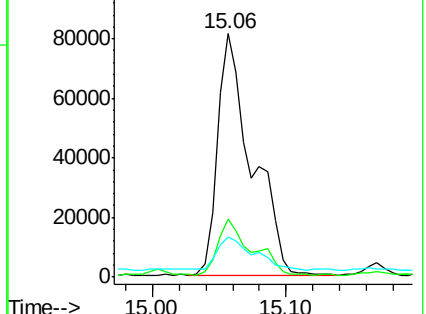
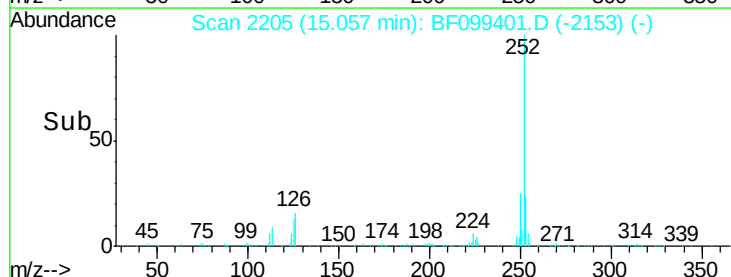
125 16.2 9.0 13.6#

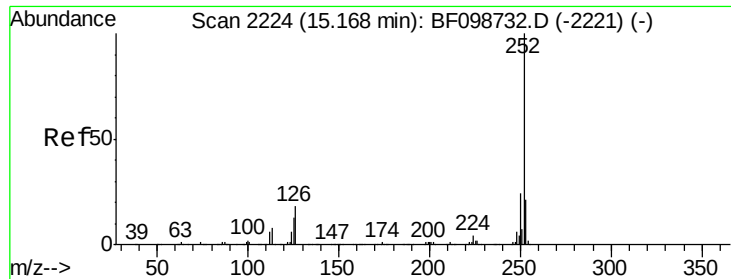


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

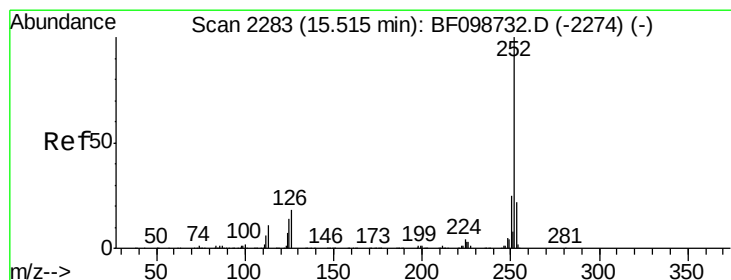
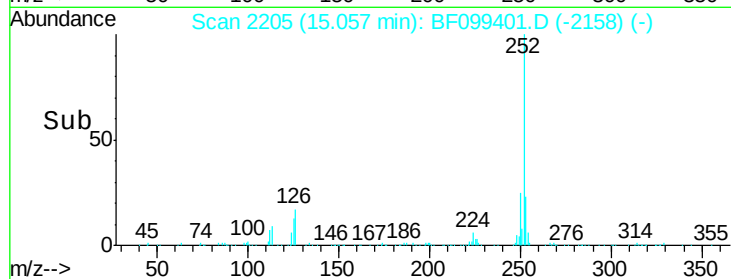
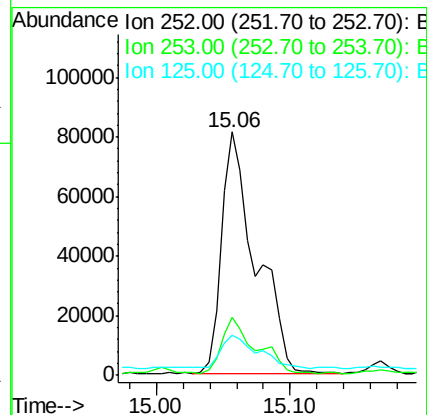
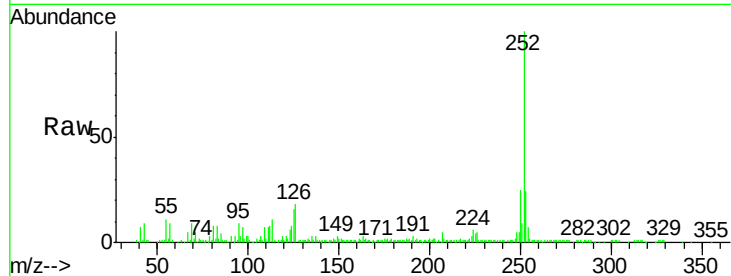




#88
Benzo(k)fluoranthene
Concen: 13.79 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

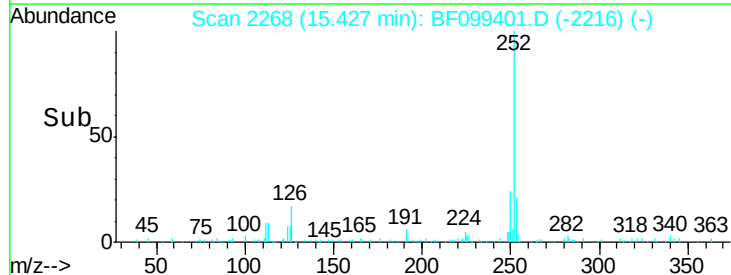
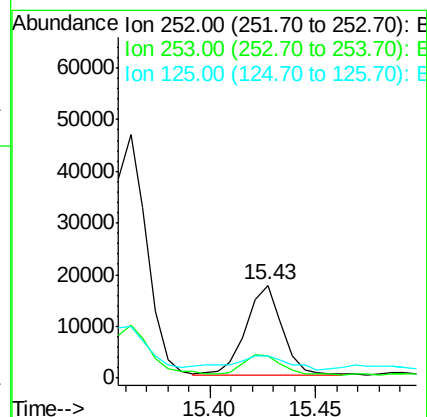
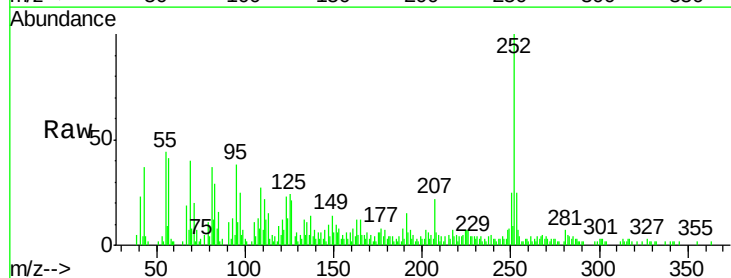
Instrument :
BNA_F
ClientSampled :

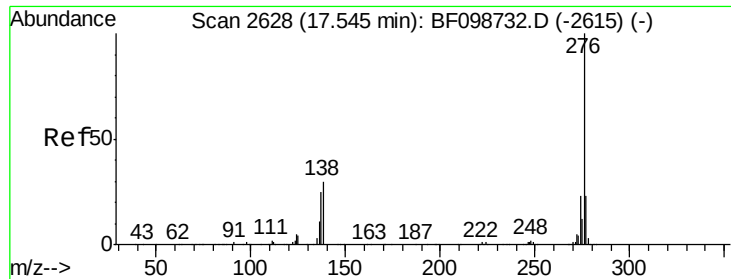
Tot Ion:252 Resp: 146308
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 16.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.10 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099401.D
Acq: 12 Oct 2017 18:13

Tgt Ion:252 Resp: 20672
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 23.7 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.21 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF099401.D
 Acq: 12 Oct 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	35.1	21.8	32.8

