

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099726.D
 Acq On : 21 Oct 2017 14:31
 Operator : SJ/JU
 Sample : I6017-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:44:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	96295	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	410523	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	196249	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	347199	20.00	ng	0.00
75) Chrysene-d12	13.98	240	208813	20.00	ng	0.00
86) Perylene-d12	15.44	264	195191	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	479562	79.28	ng	0.00
7) Phenol-d6	6.45	99	582117	78.01	ng	-0.01
23) Nitrobenzene-d5	7.38	82	335202	52.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	137217	85.45	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	662693	56.37	ng	0.00
78) Terphenyl-d14	12.92	244	527512	57.45	ng	0.00

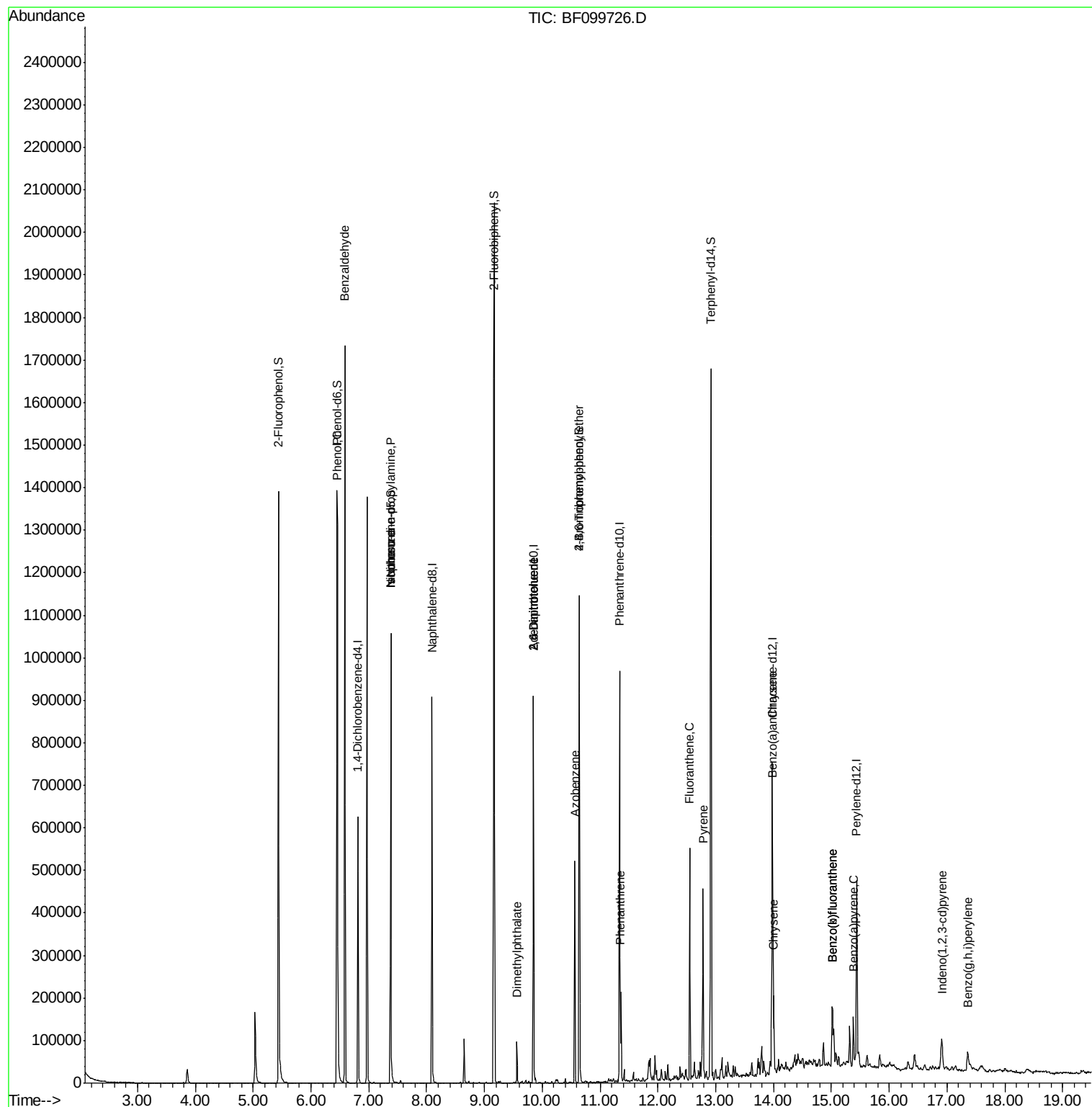
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	9086	2.099	ng	85
10) Phenol	6.46	94	20624	2.471	ng	# 79
19) n-Nitroso-di-n-propylamine	7.38	70	41813	8.776	ng	# 70
25) Isophorone	7.38	82	335202	25.327	ng	# 64
49) Dimethylphthalate	9.56	163	38613	2.607	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24531	7.607	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	24531	5.862	ng	# 21
62) Azobenzene	10.56	77	86122	6.472	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	8999	2.648	ng	# 1
70) Phenanthrene	11.36	178	85669	4.610	ng	99
74) Fluoranthene	12.55	202	188120	9.996	ng	98
77) Pyrene	12.78	202	166891	10.481	ng	99
80) Benzo(a)anthracene	13.97	228	60583	4.791	ng	98
82) Chrysene	14.00	228	62507	5.193	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	35822	3.720	ng	97
87) Benzo(b)fluoranthene	15.02	252	102301	8.524	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	102301	8.630	ng	# 96
89) Benzo(a)pyrene	15.38	252	52766	4.790	ng	95
91) Benzo(a,h,i)perylene	17.36	276	33798	3.878	ng	91

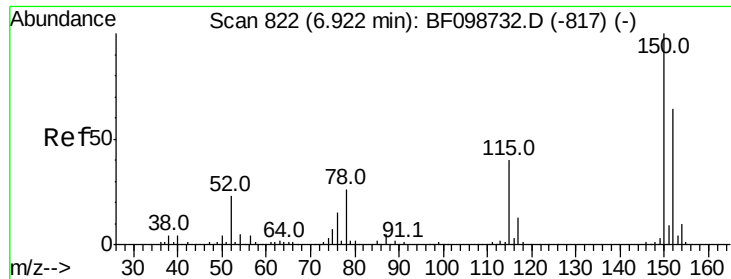
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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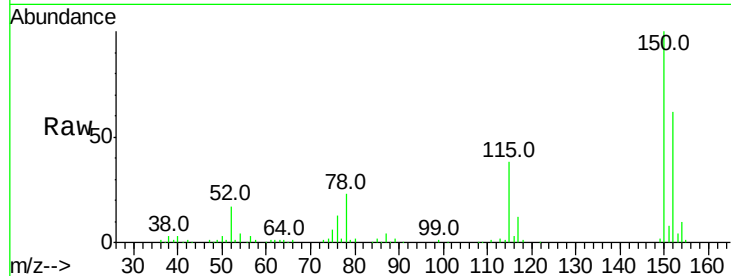


#1

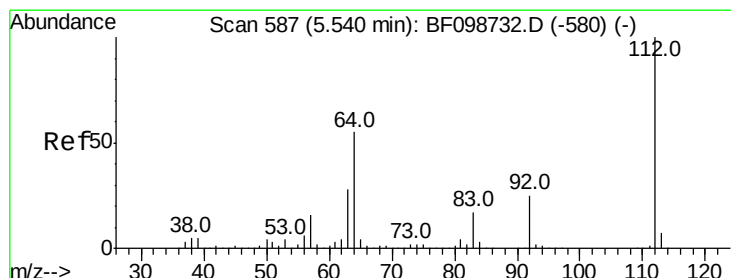
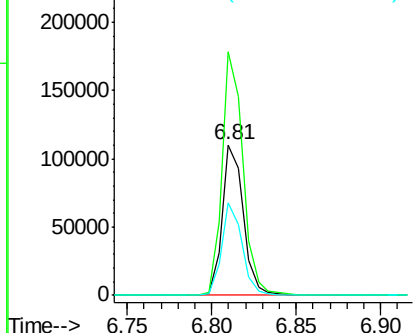
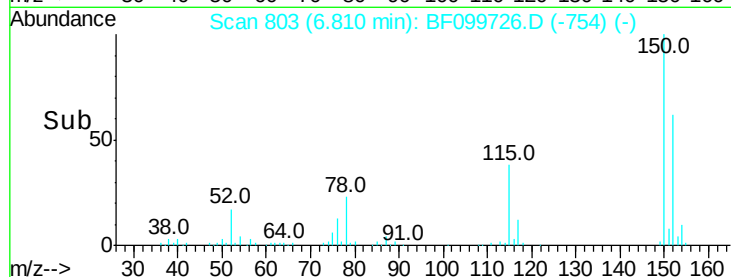
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 96295
 Ion Ratio Lower Upper
 152 100
 150 161.9 124.6 186.8
 115 61.9 50.1 75.1



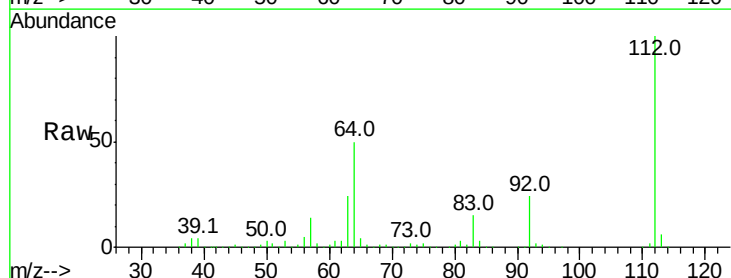
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



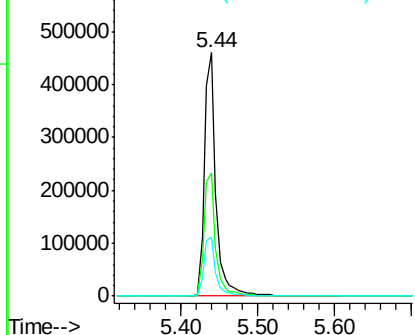
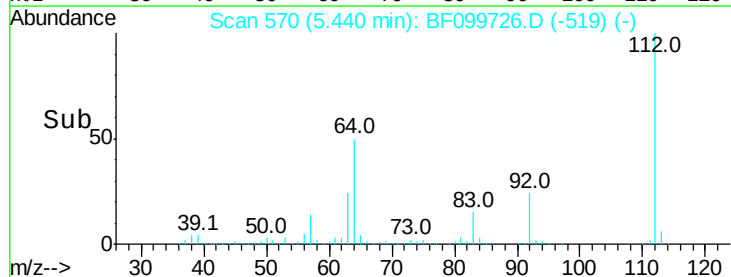
#5

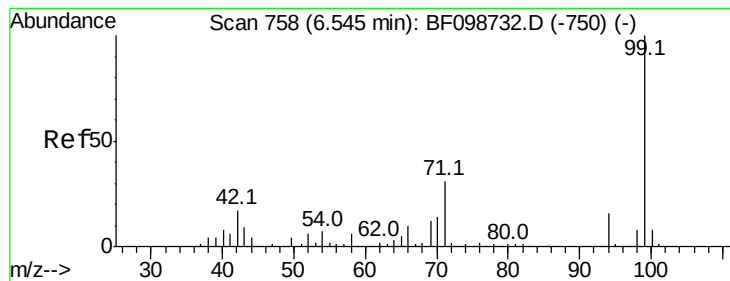
2-Fluorophenol
 Concen: 79.279 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Tgt Ion:112 Resp: 479562
 Ion Ratio Lower Upper
 112 100
 64 50.4 47.9 71.9
 63 24.4 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: 78.009 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampleId :

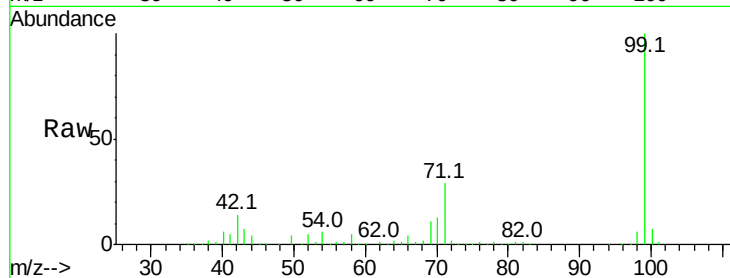
Tot Ion: 99 Resp: 582117

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

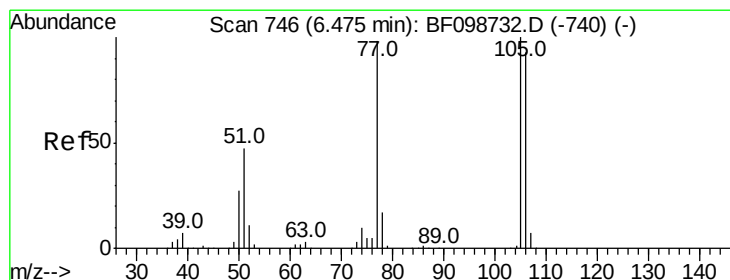
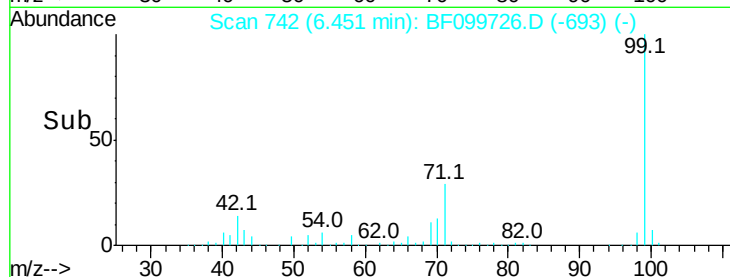
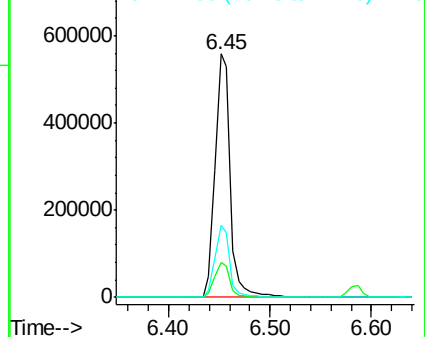
71 29.4 25.4 38.0



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: 2.099 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

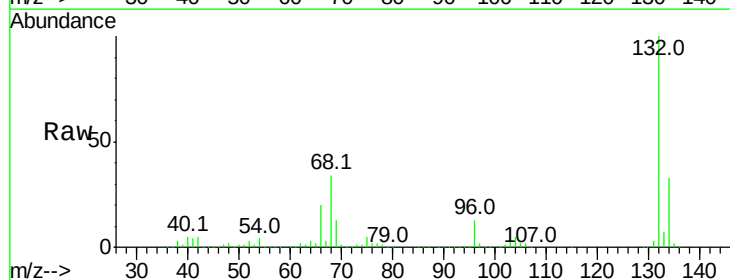
Tgt Ion: 77 Resp: 9086

Ion Ratio Lower Upper

77 100

105 82.3 81.1 121.1

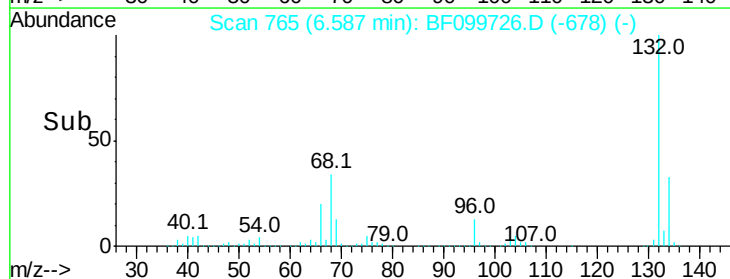
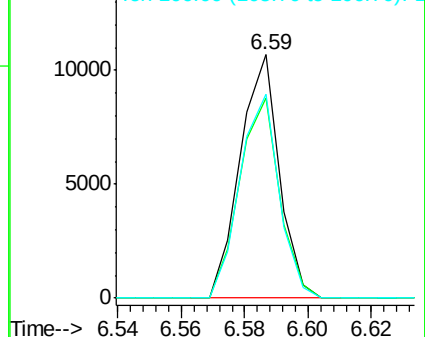
106 83.5 74.5 114.5

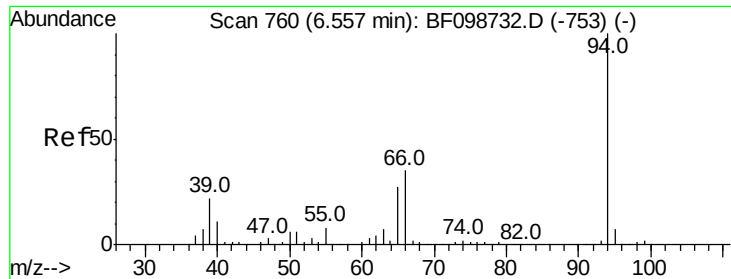


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

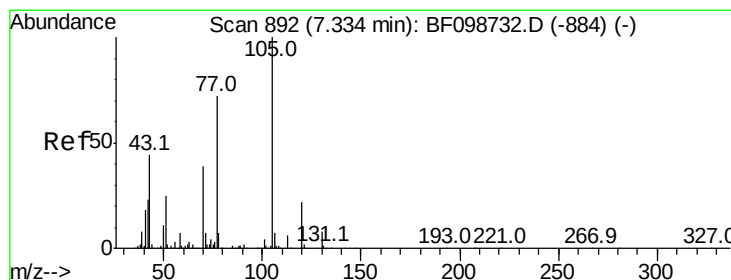
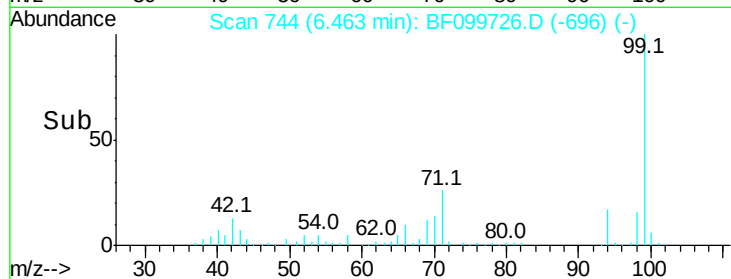
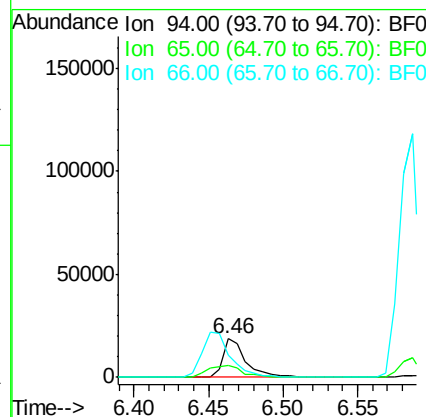
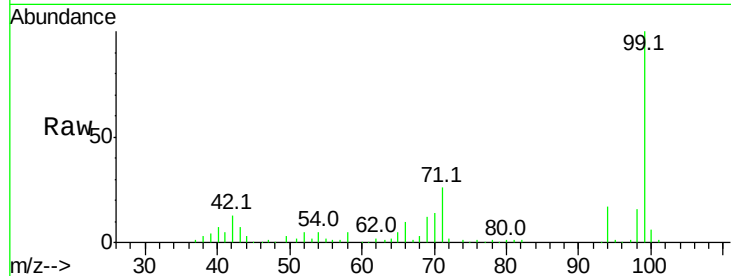




#10
Phenol
Concen: 2.471 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

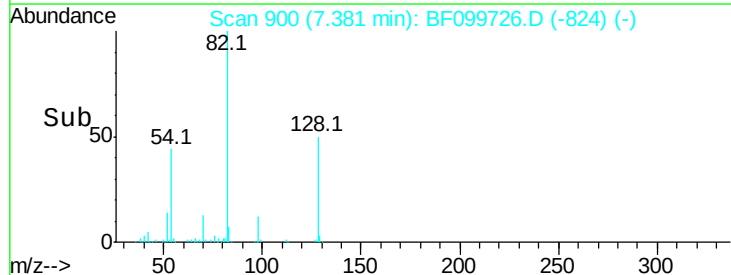
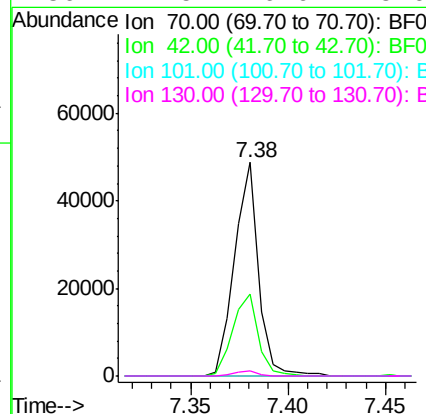
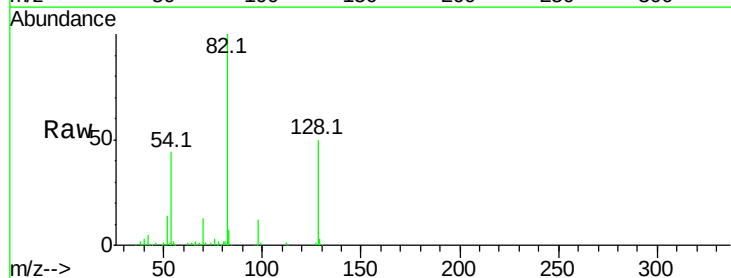
Instrument :
BNA_F
ClientSampleId :

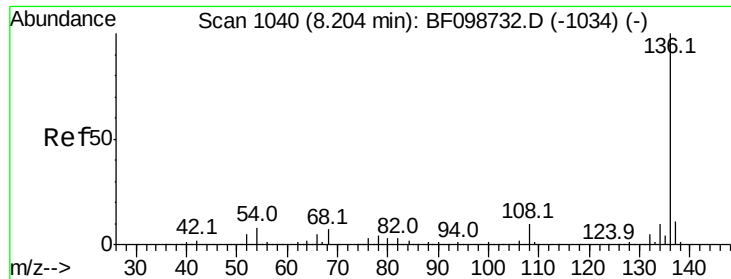
Tot Ion: 94 Resp: 20624
Ion Ratio Lower Upper
94 100
65 29.6 7.9 47.9
66 56.4 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 8.776 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion: 70 Resp: 41813
Ion Ratio Lower Upper
70 100
42 38.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

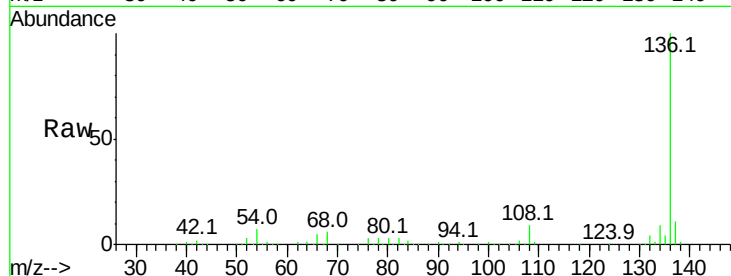




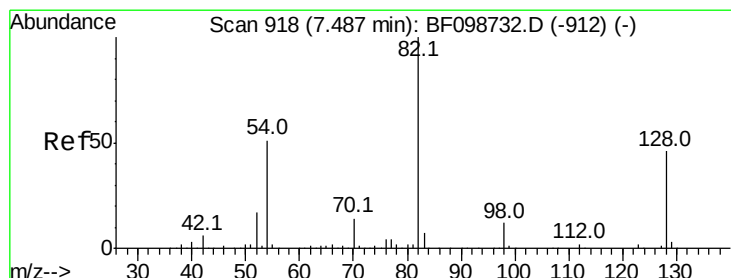
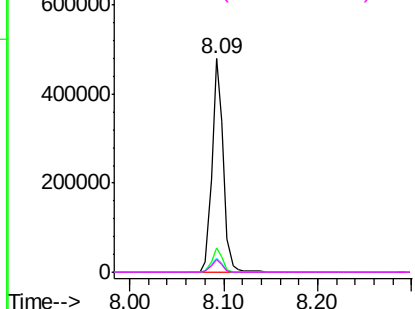
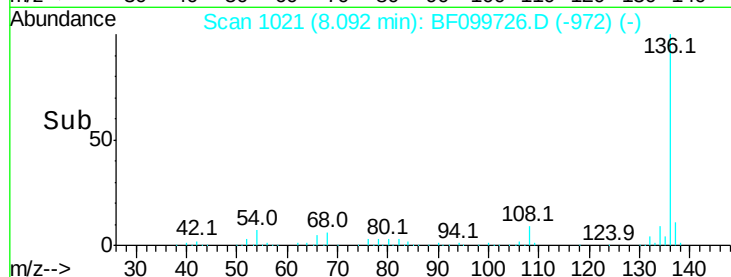
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	410523
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	5.9	5.0	7.4

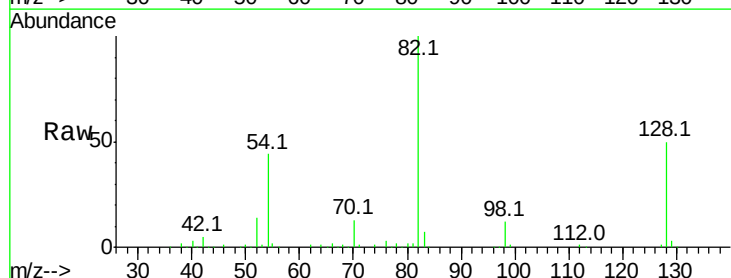


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

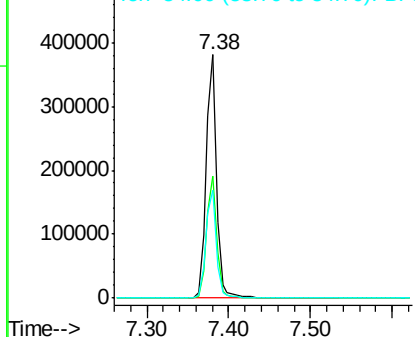
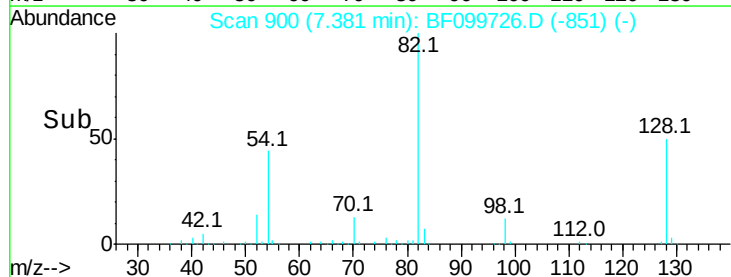


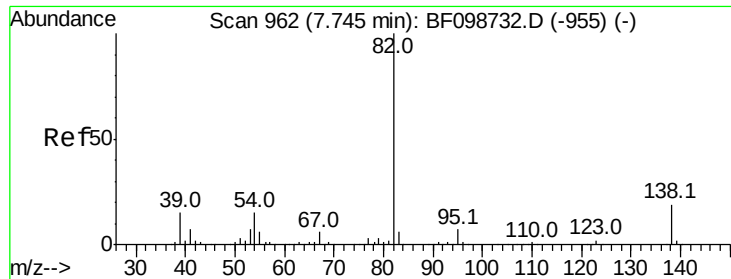
#23
Nitrobenzene-d5
Concen: 52.364 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion:	82	Resp:	335202
Ion	Ratio	Lower	Upper
82	100		
128	50.2	36.1	54.1
54	44.1	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: 25.327 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampled :

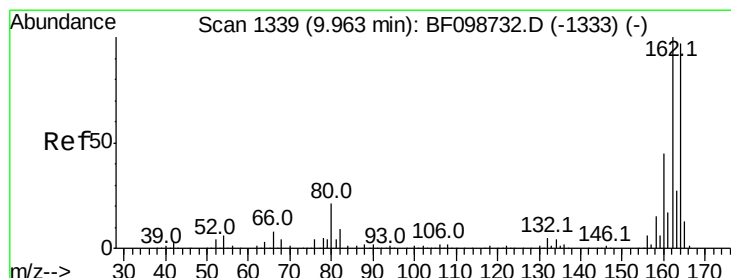
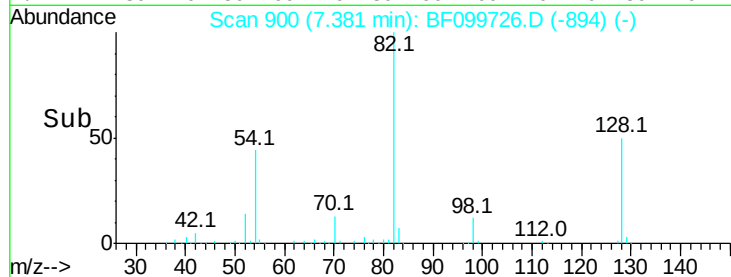
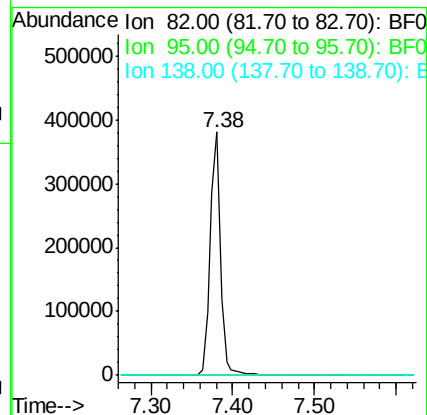
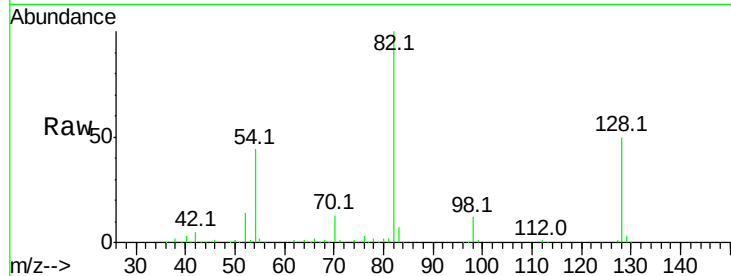
Tot Ion: 82 Resp: 335202

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

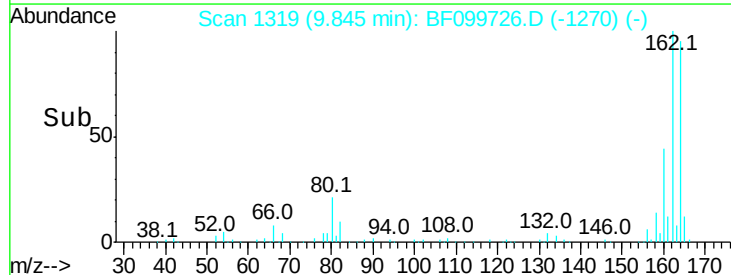
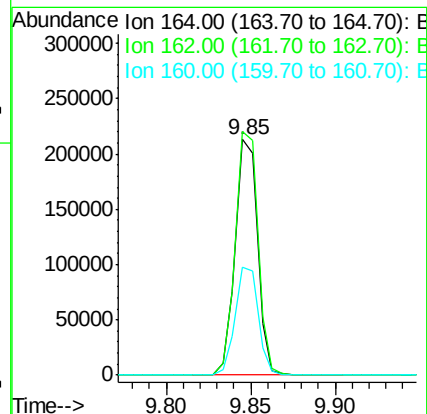
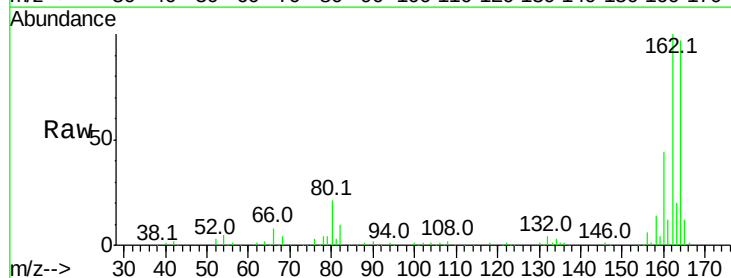
Tgt Ion:164 Resp: 196249

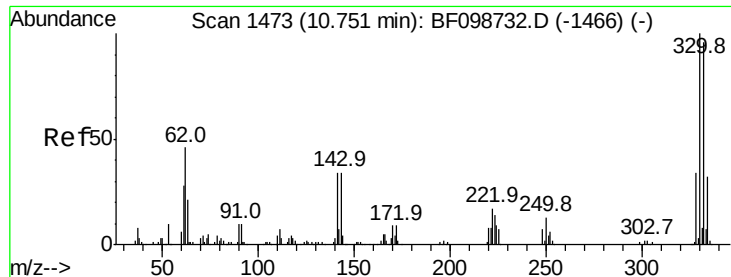
Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

160 45.6 38.3 57.5

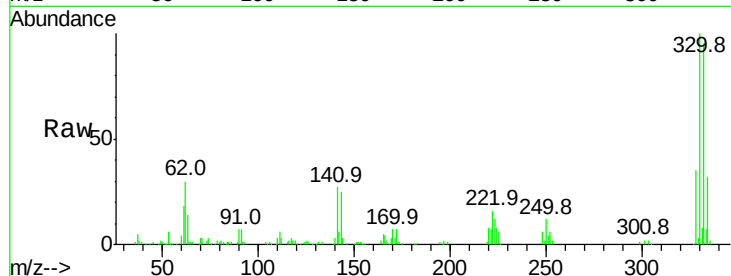




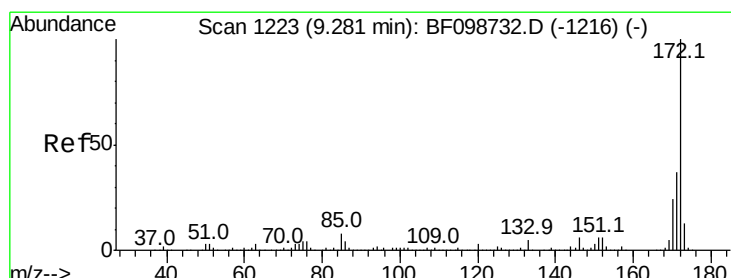
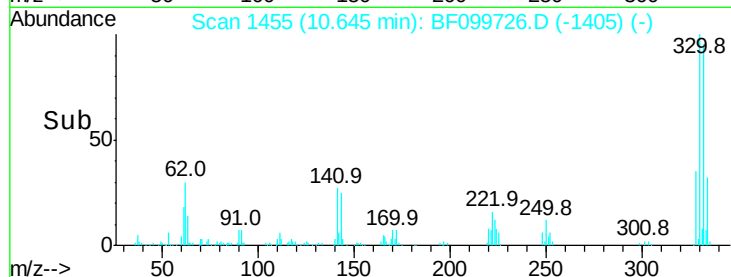
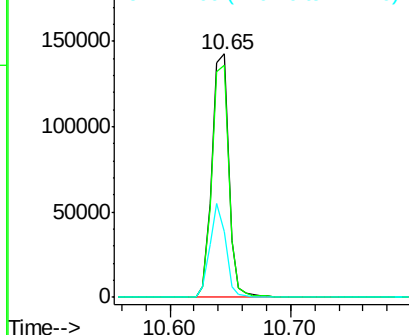
#41
 2,4,6-Tribromophenol
 Concen: 85.448 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	36.1	29.9	44.9

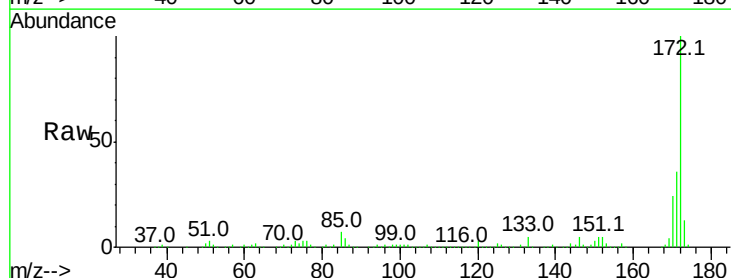


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

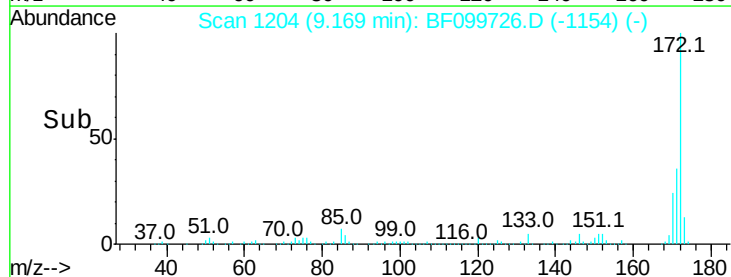
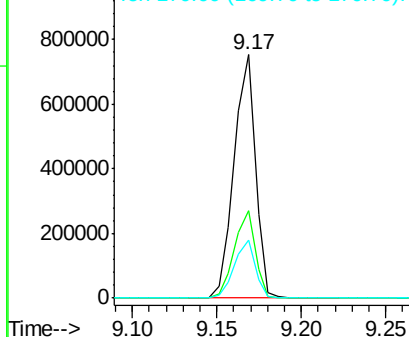


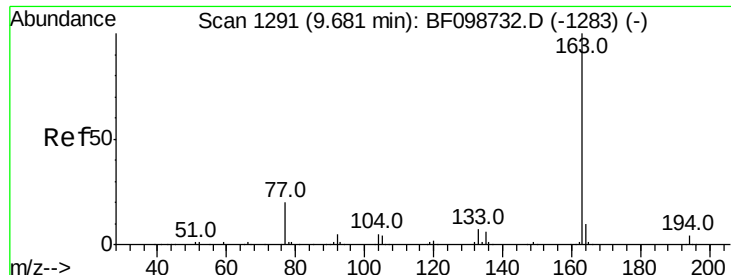
#44
 2-Fluorobiphenyl
 Concen: 56.373 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	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

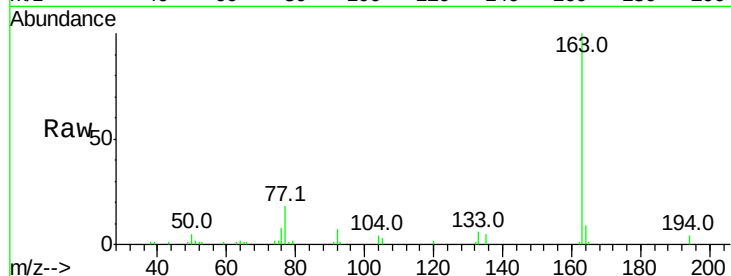




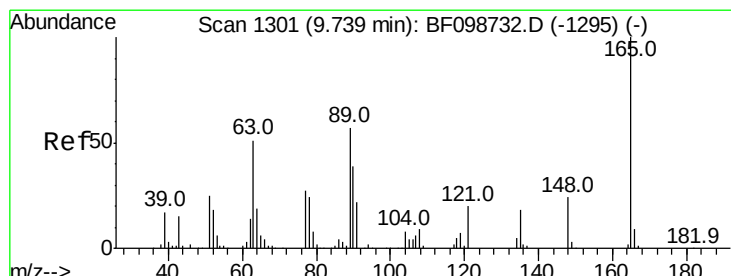
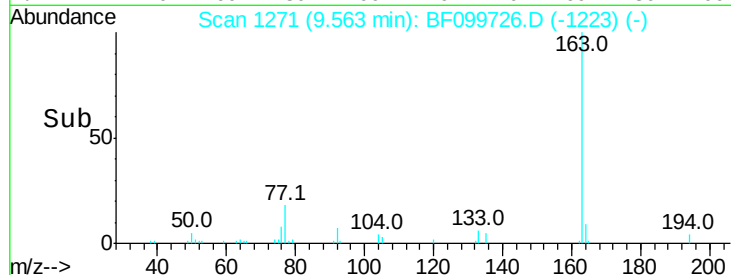
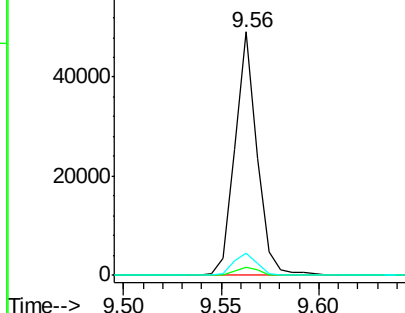
#49
Dimethylphthalate
Concen: 2.607 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 38613
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.1 8.2 12.2

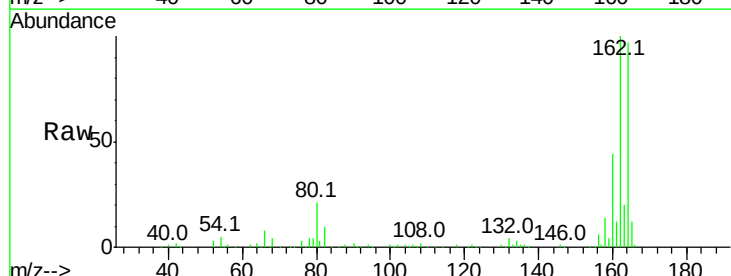


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

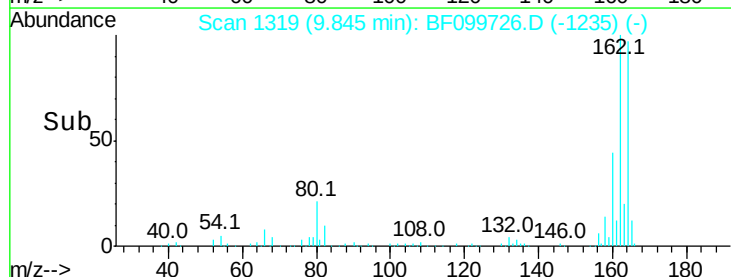
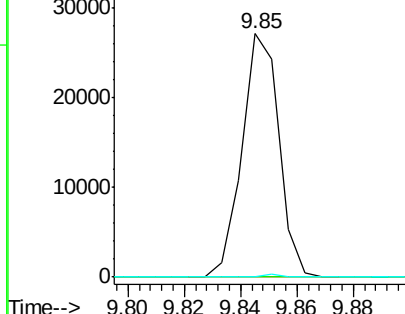


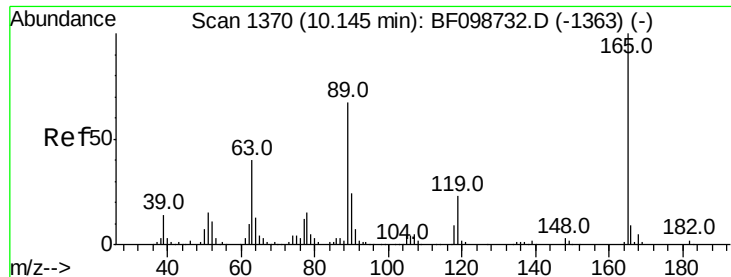
#50
2,6-Dinitrotoluene
Concen: 7.607 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion:165 Resp: 24531
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.862 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24531

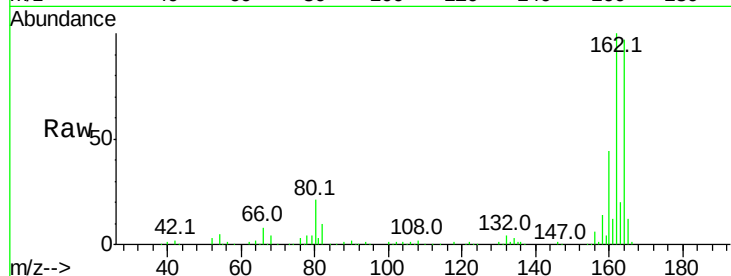
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

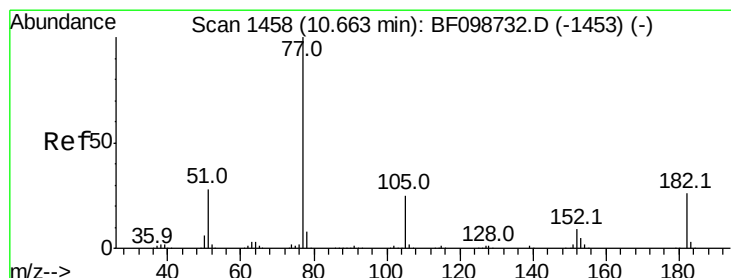
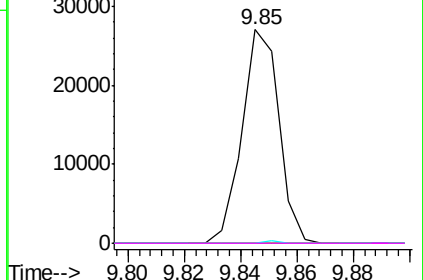
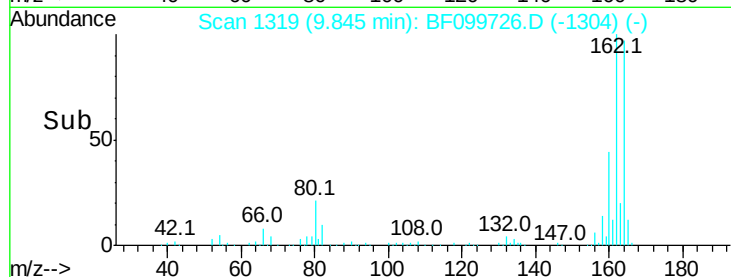


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#62

Azobenzene

Concen: 6.472 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Tgt Ion: 77 Resp: 86122

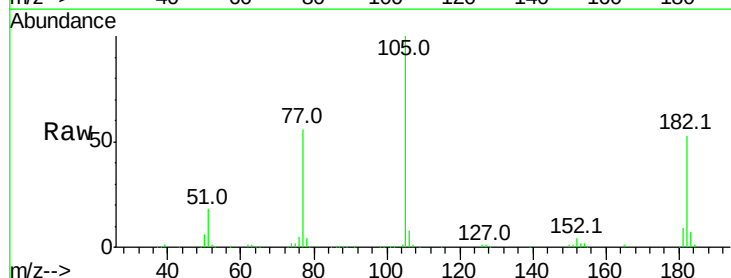
Ion Ratio Lower Upper

77 100

182 94.0 1.7 41.7#

105 178.2 3.0 43.0#

51 32.7 9.9 49.9

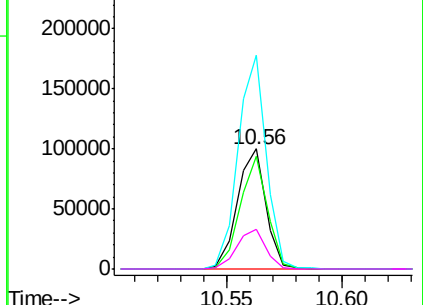
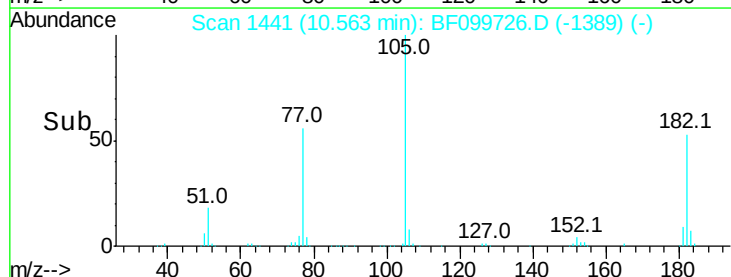


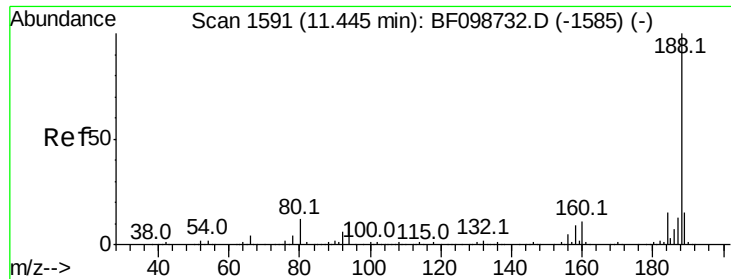
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampleId :

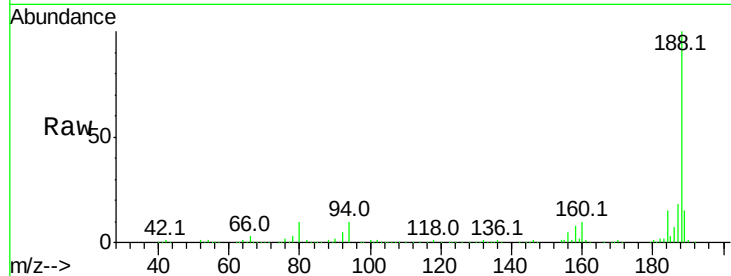
Tot Ion:188 Resp: 347199

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

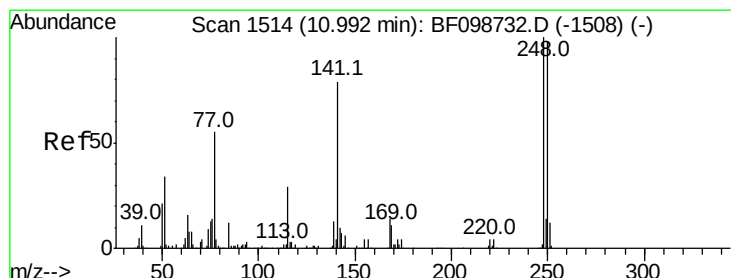
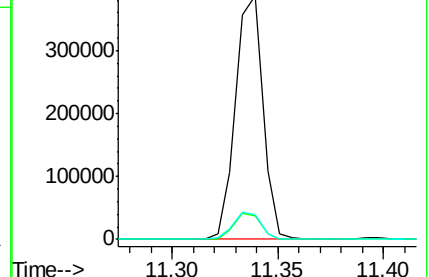
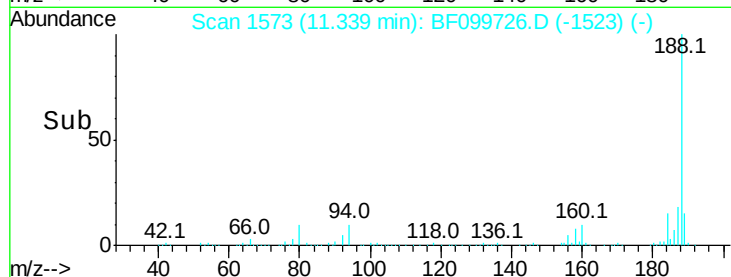
80 10.1 9.2 13.8



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: 2.648 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

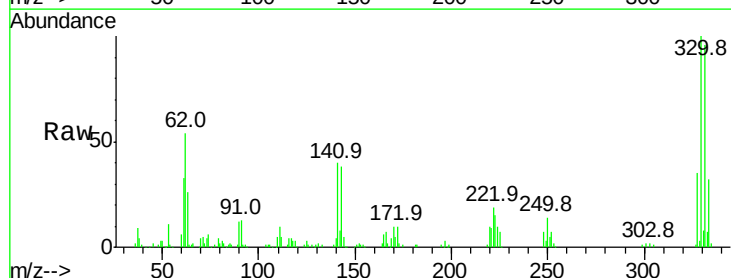
Tgt Ion:248 Resp: 8999

Ion Ratio Lower Upper

248 100

250 201.0 76.9 115.3#

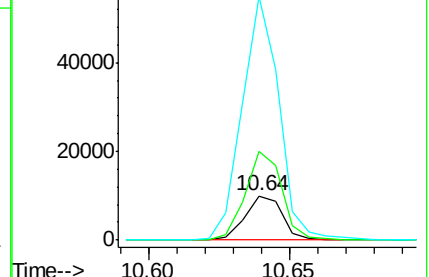
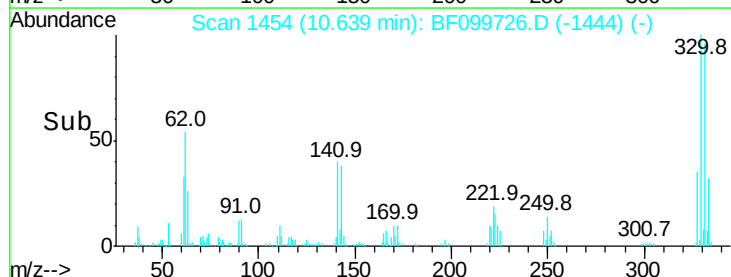
141 552.6 74.4 111.6#

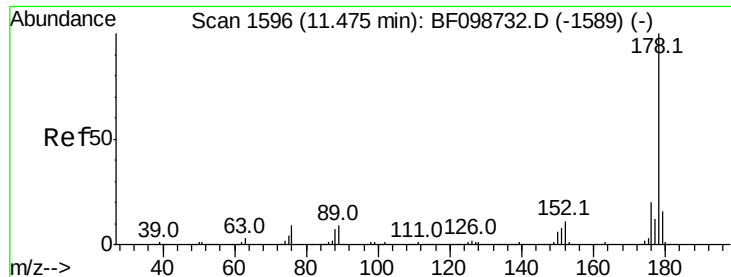


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.610 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampleId :

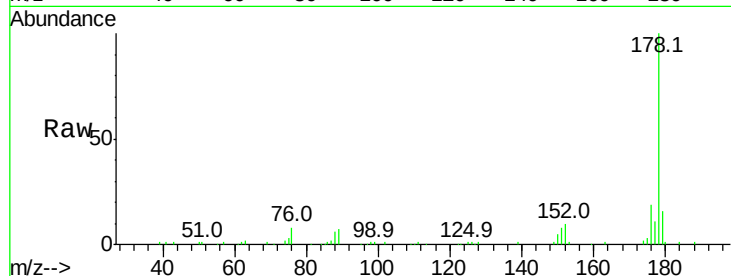
Tot Ion:178 Resp: 85669

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

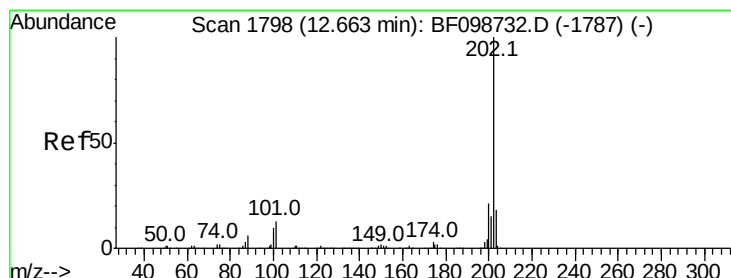
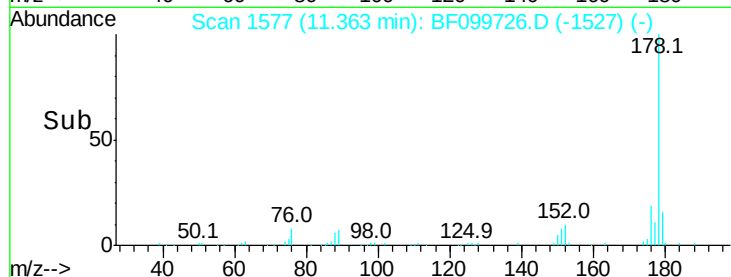
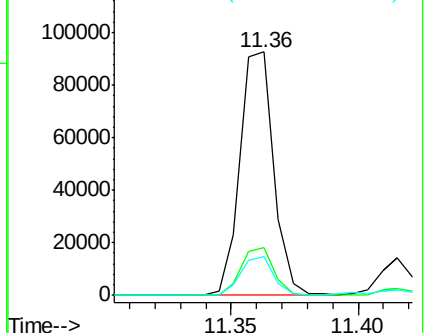
179 16.0 13.0 19.6



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



#74

Fluoranthene

Concen: 9.996 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

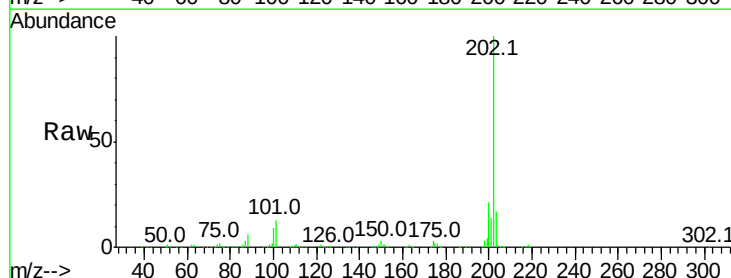
Tgt Ion:202 Resp: 188120

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

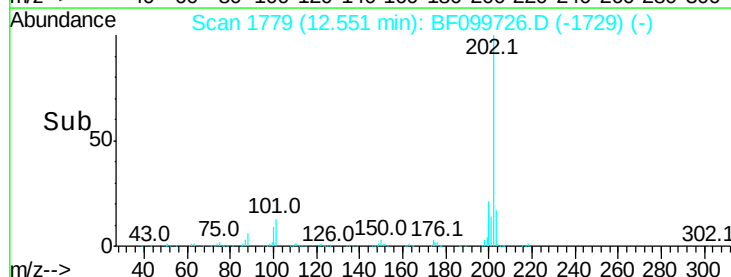
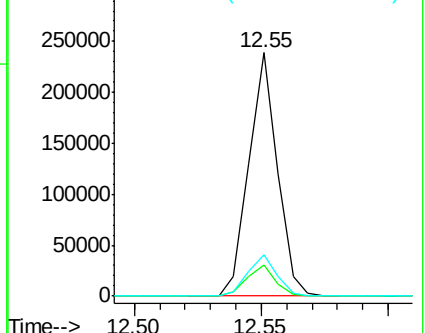
203 17.2 0.0 38.1

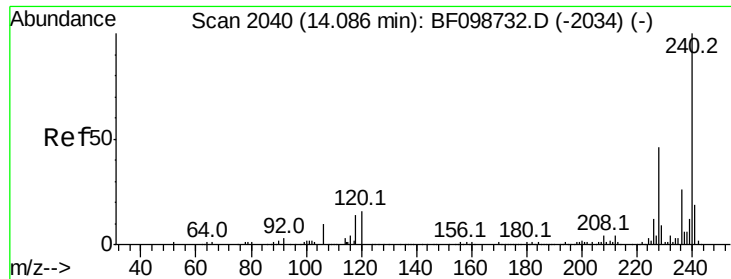


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

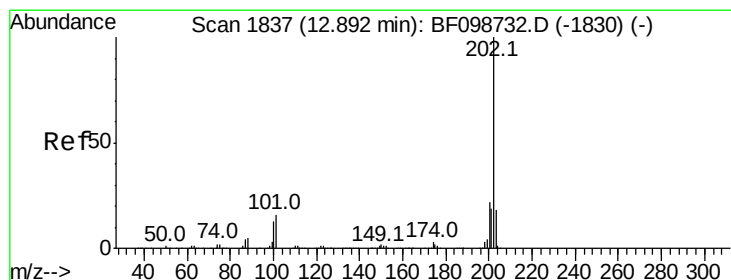
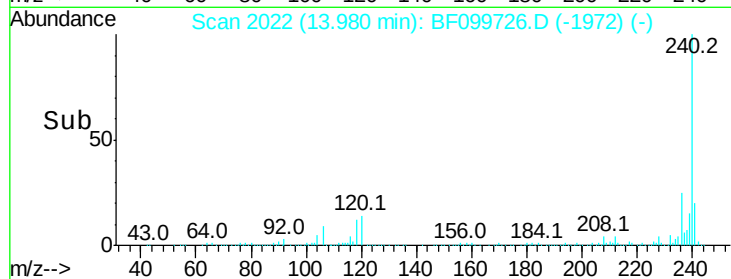
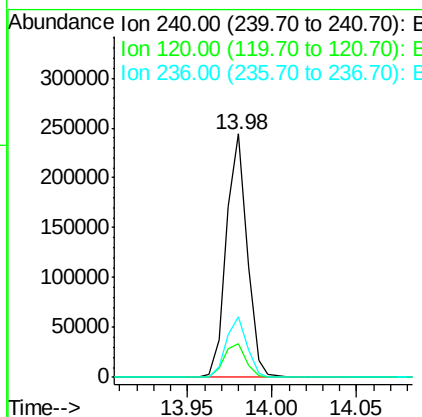
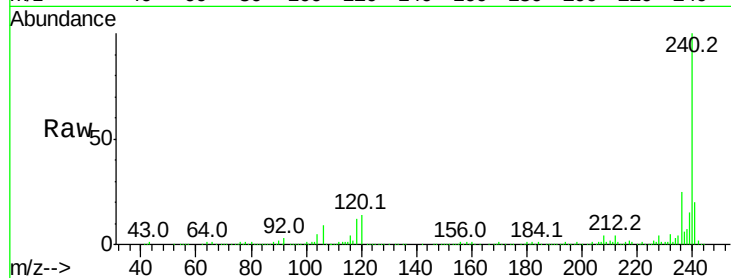




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

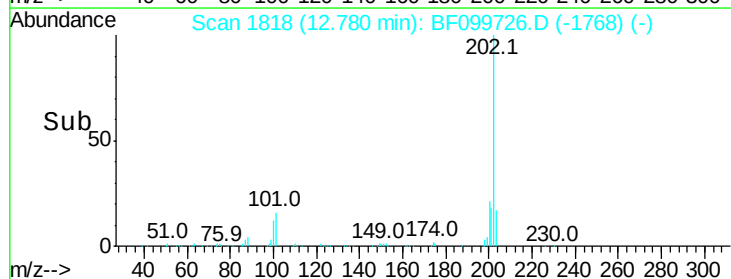
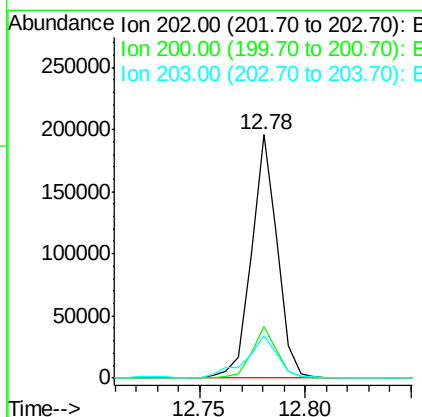
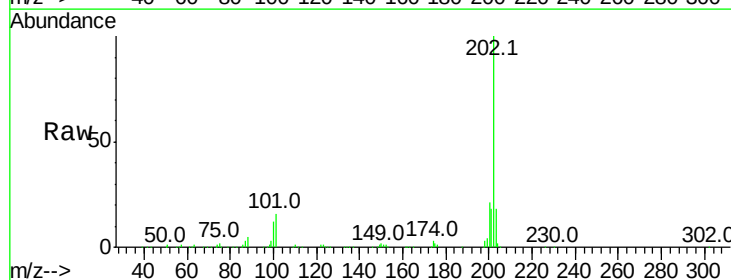
Instrument :
 BNA_F
 ClientSampleId :

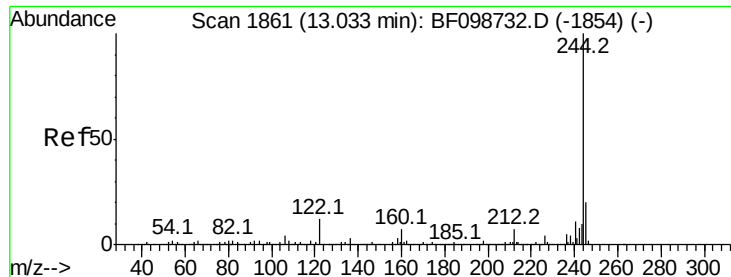
Tot Ion:240 Resp: 208813
 Ion Ratio Lower Upper
 240 100
 120 13.7 9.5 14.3
 236 24.9 20.7 31.1



#77
 Pyrene
 Concen: 10.481 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Tgt Ion:202 Resp: 166891
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 17.7 14.3 21.5



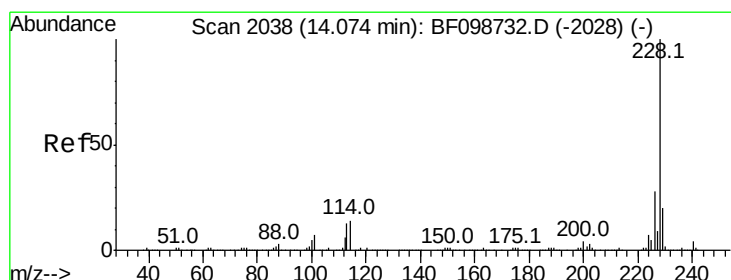
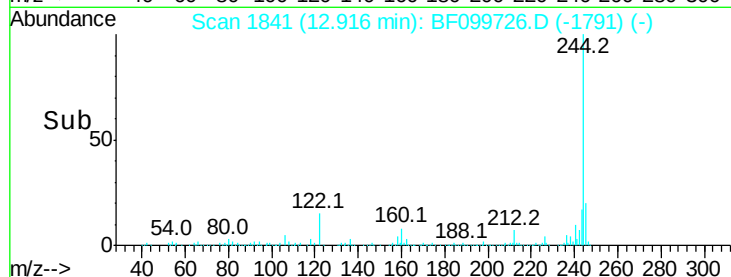
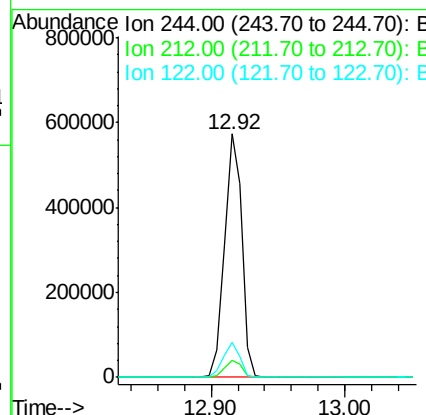
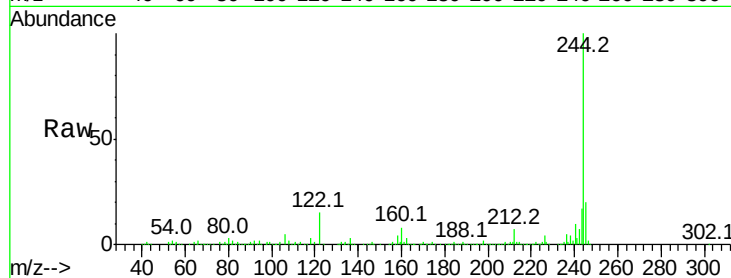


#78
 Terphenyl-d14
 Concen: 57.452 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 527512

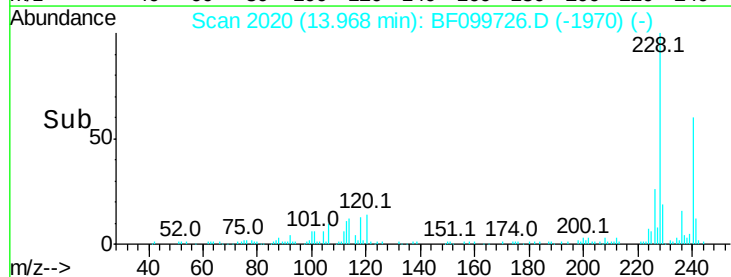
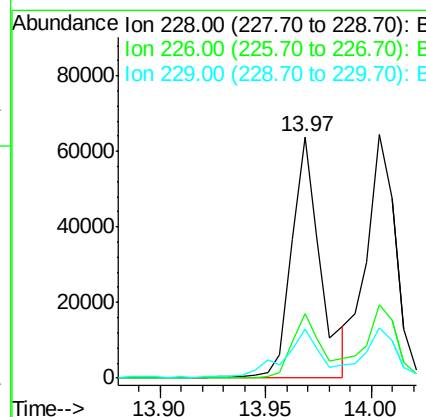
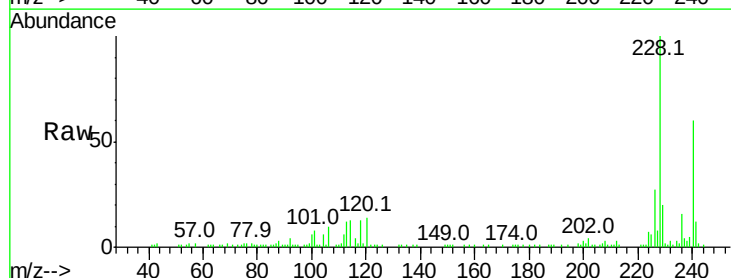
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.6	11.0	16.4

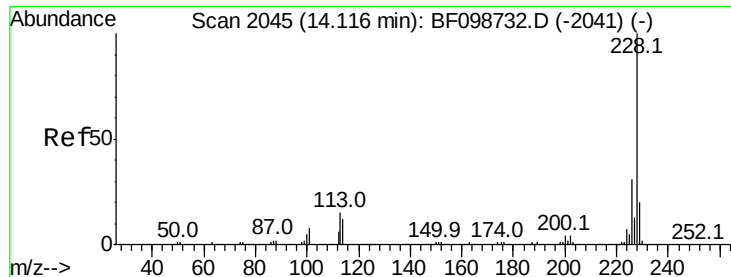


#80
 Benzo(a)anthracene
 Concen: 4.791 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099726.D
 Acq: 21 Oct 2017 14:31

Tgt Ion:228 Resp: 60583

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	20.3	15.8	23.6

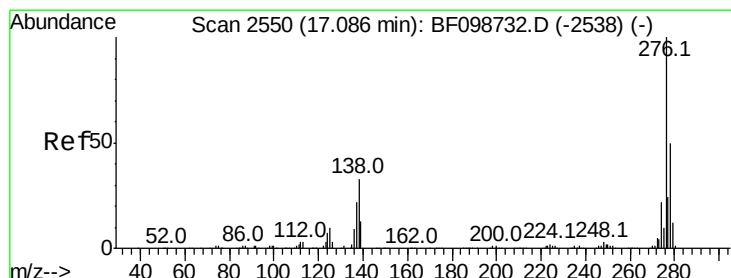
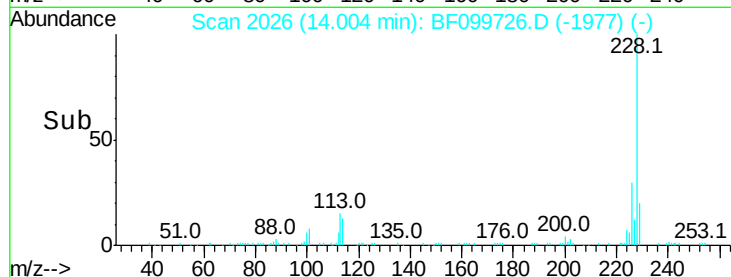
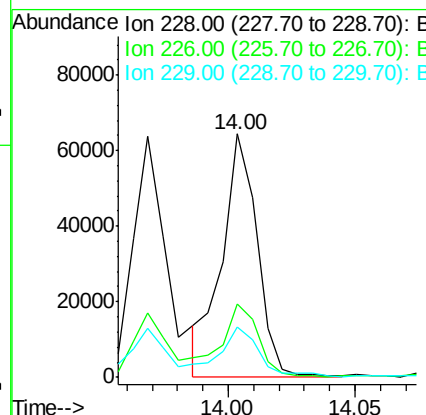
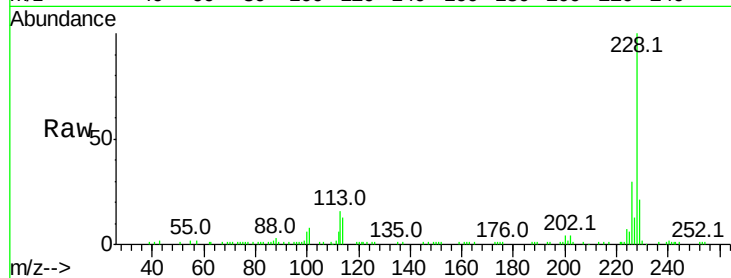




#82
Chrysene
Concen: 5.193 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

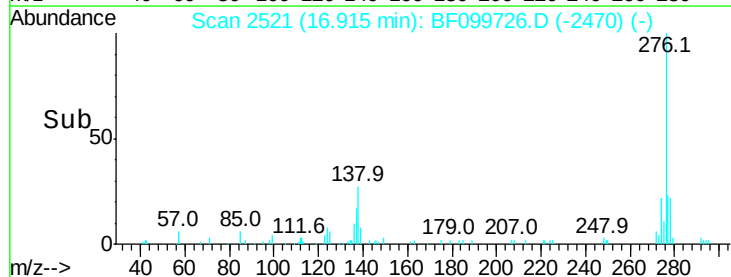
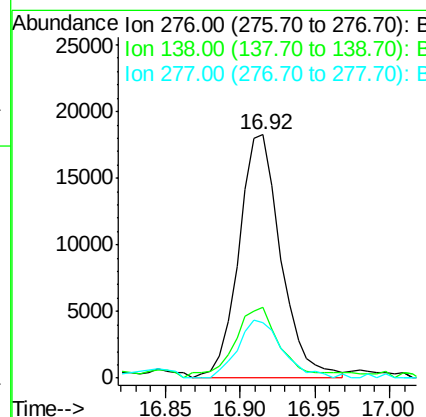
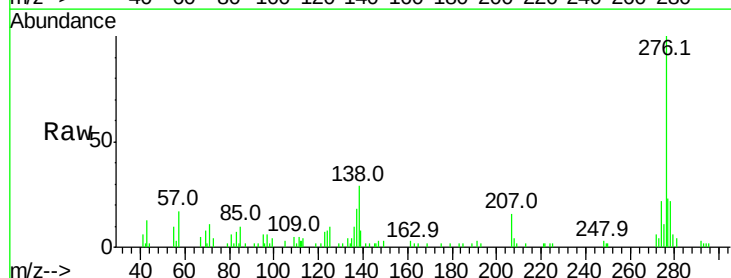
Instrument :
BNA_F
ClientSampleId :

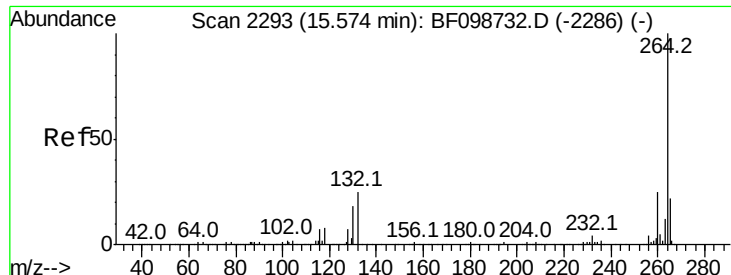
Tot Ion:228 Resp: 62507
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 20.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.720 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.00 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion:276 Resp: 35822
Ion Ratio Lower Upper
276 100
138 34.0 25.0 37.6
277 25.3 20.1 30.1

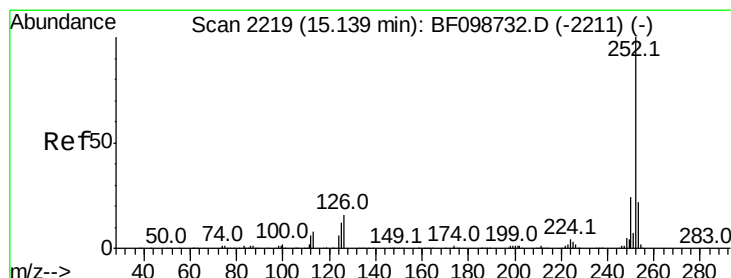
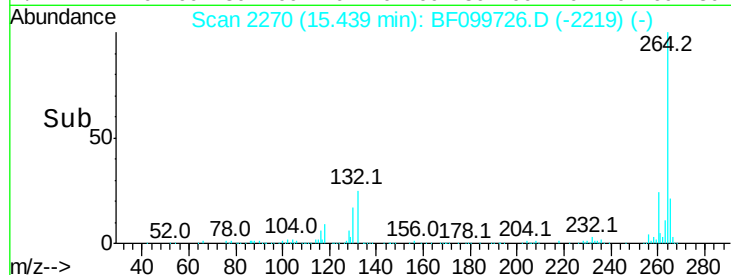
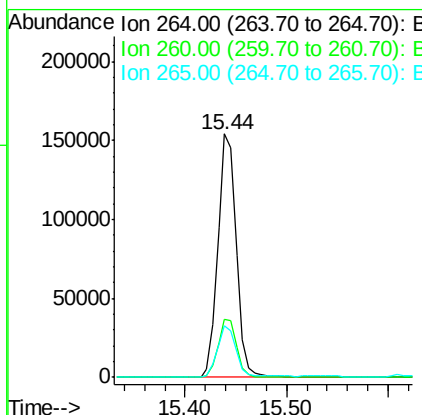
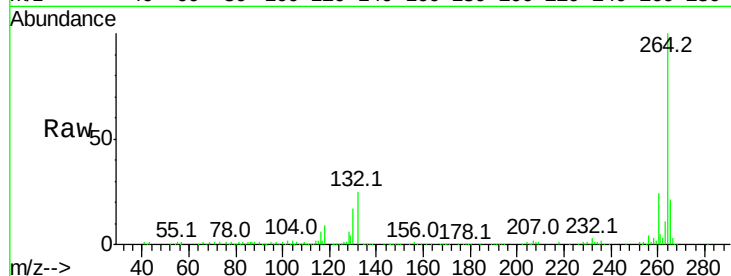




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

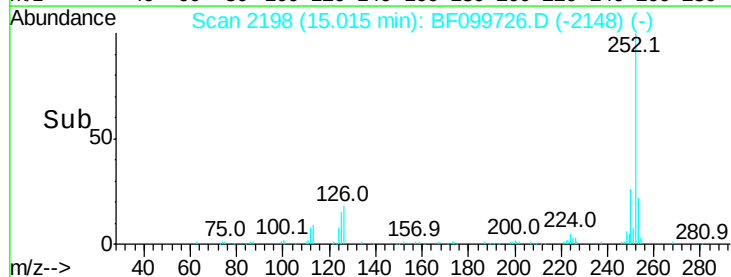
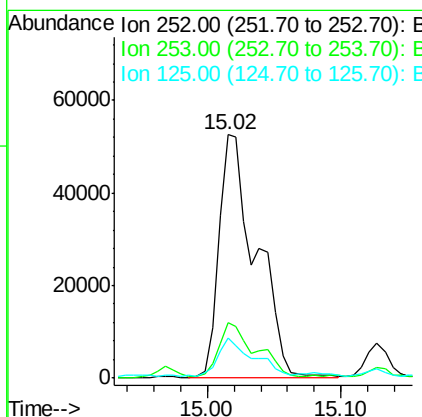
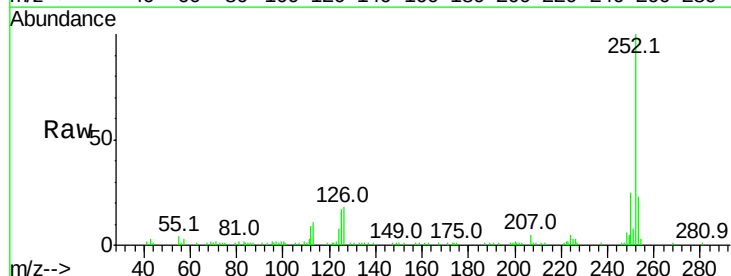
Instrument :
BNA_F
ClientSampleId :

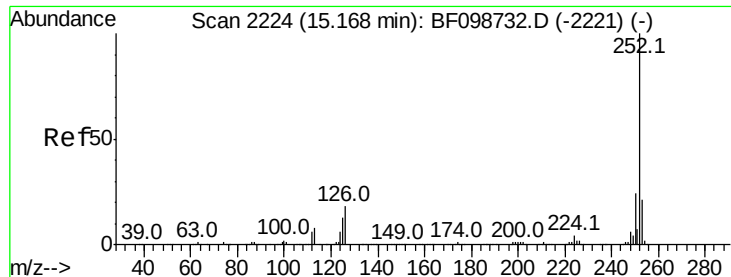
Tot Ion:264 Resp: 195191
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.524 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion:252 Resp: 102301
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 16.7 9.0 13.6#

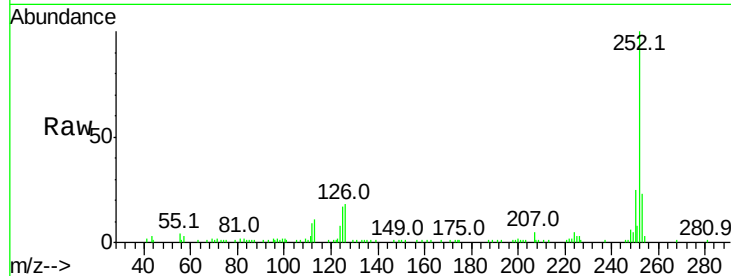




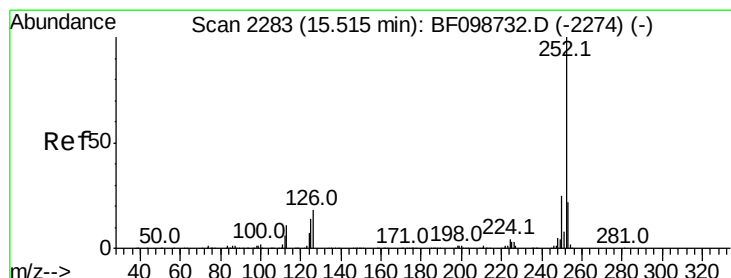
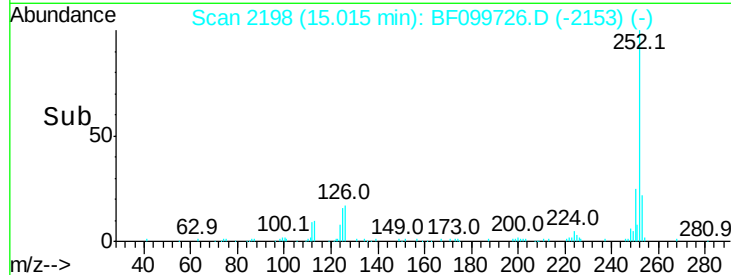
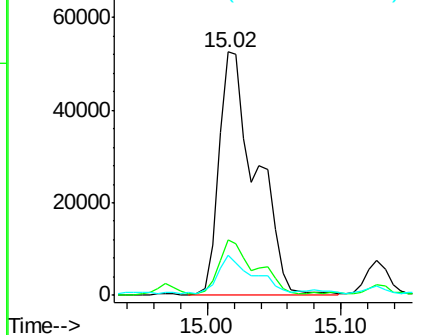
#88
Benzo(k)fluoranthene
Concen: 8.630 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	16.7	10.2	15.2

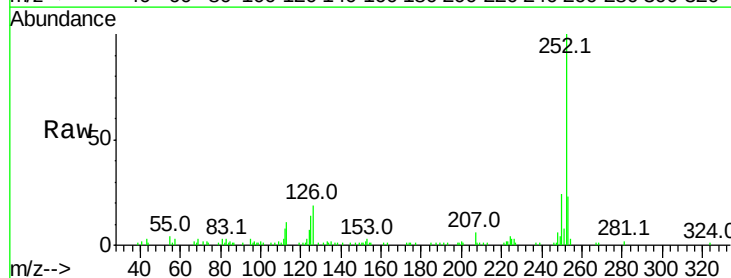


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

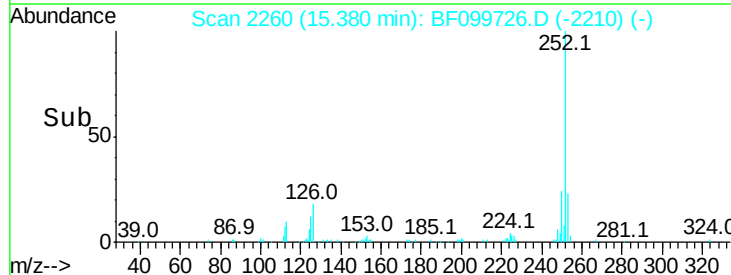
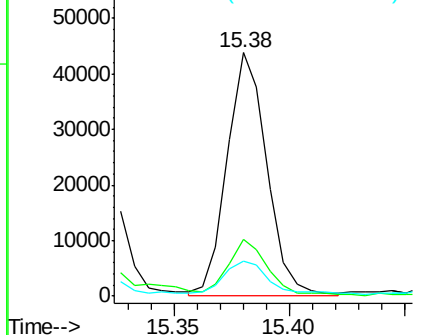


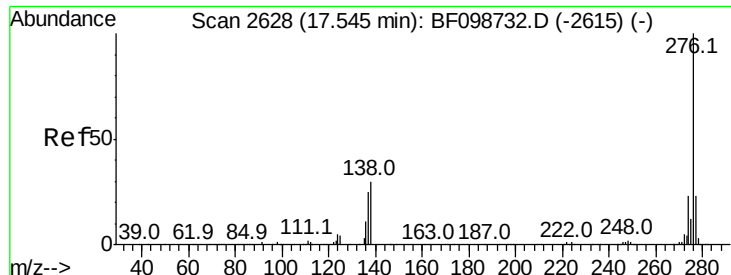
#89
Benzo(a)pyrene
Concen: 4.790 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099726.D
Acq: 21 Oct 2017 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.3	9.8	14.6



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





#91

Benzo(a,h,i)perylene

Concen: 3.878 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.00 min

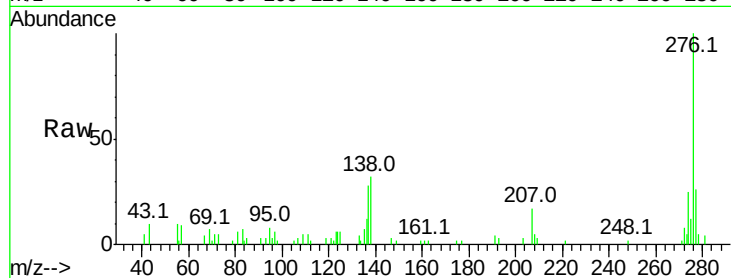
Lab File: BF099726.D

Acq: 21 Oct 2017 14:31

Instrument :

BNA_F

ClientSampleId :



Tot Ion:276 Resp: 33798

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 32.3 21.8 32.8

