

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099292.D
 Acq On : 10 Oct 2017 11:03
 Operator : SJ/JU
 Sample : I5715-10 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 10 16:04:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76301	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	315384	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	144736	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	265922	20.00	ng	0.00
75) Chrysene-d12	14.03	240	161171	20.00	ng	0.00
86) Perylene-d12	15.50	264	142853	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	287926	60.07	ng	0.00
7) Phenol-d6	6.49	99	355754	60.17	ng	0.00
23) Nitrobenzene-d5	7.42	82	205366	41.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	67907	57.34	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	430724	49.68	ng	-0.01
78) Terphenyl-d14	12.97	244	388146	54.77	ng	0.00

Target Compounds

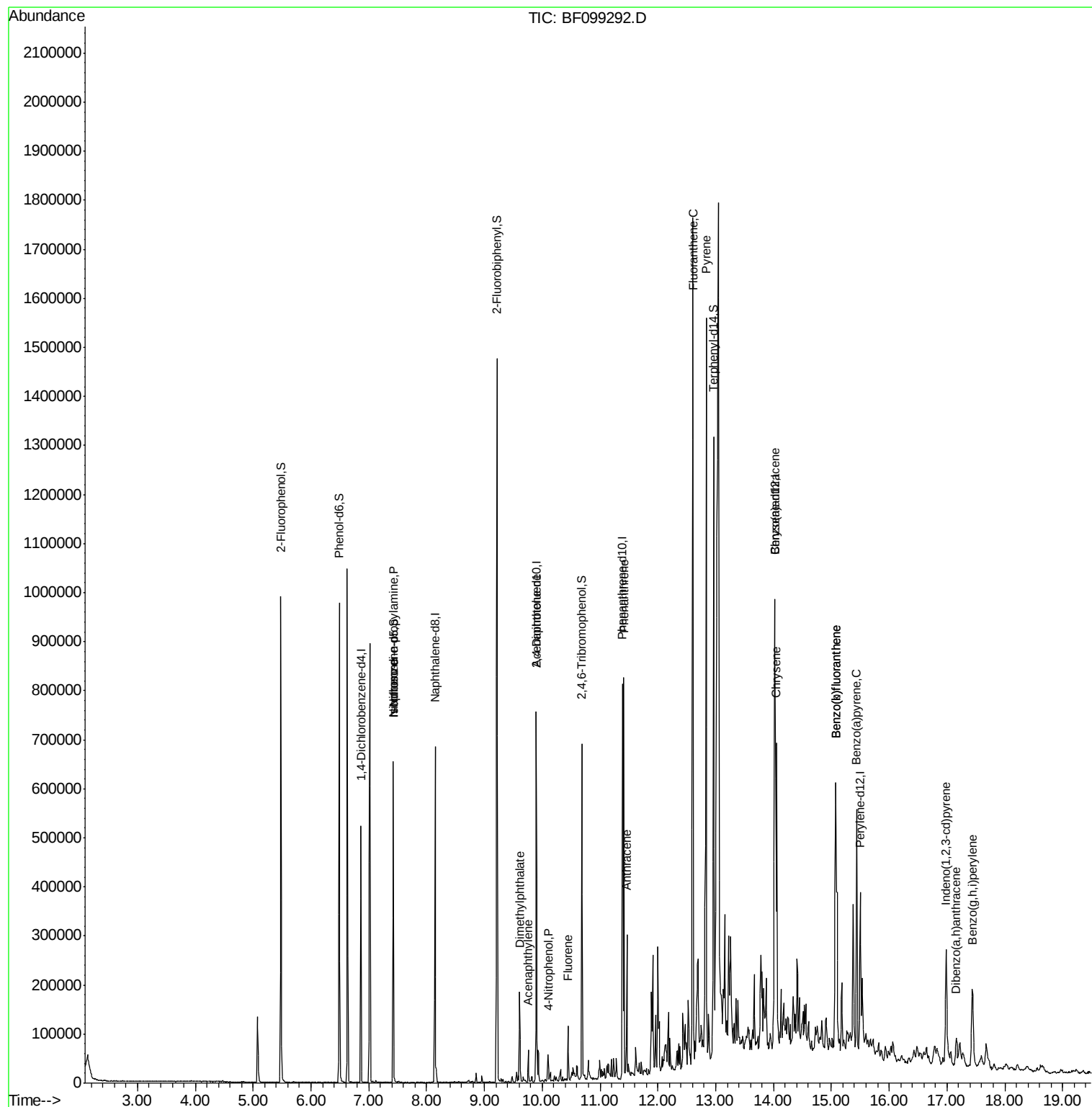
						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	25534	6.764	ng	# 78
25) Isophorone	7.42	82	205362	20.197	ng	# 64
48) Acenaphthylene	9.76	152	28602	2.001	ng	99
49) Dimethylphthalate	9.61	163	71149	6.513	ng	100
55) 4-Nitrophenol	10.10	139	6114	2.608	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	18756	6.077	ng	# 22
57) Fluorene	10.45	166	30590	3.156	ng	97
70) Phenanthrene	11.41	178	275324	19.343	ng	97
71) Anthracene	11.46	178	110581	7.593	ng	96
74) Fluoranthene	12.60	202	663674	46.045	ng	98
77) Pyrene	12.83	202	581147	47.287	ng	99
80) Benzo(a)anthracene	14.02	228	296649	30.397	ng	99
82) Chrysene	14.06	228	246286	26.507	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	132982	17.892	ng	98
87) Benzo(b)fluoranthene	15.07	252	409401	46.612	ng	97
88) Benzo(k)fluoranthene	15.07	252	409401	47.192	ng	100
89) Benzo(a)pyrene	15.44	252	211045	26.177	ng	# 96
90) Dibenzo(a,h)anthracene	17.16	278	33215	5.148	ng	95
91) Benzo(a,h,i)perylene	17.44	276	123499	19.364	ng	98

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

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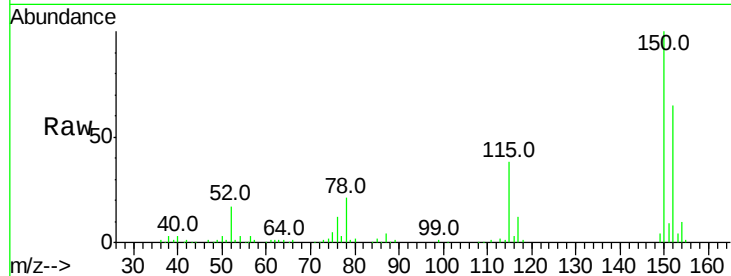


#1

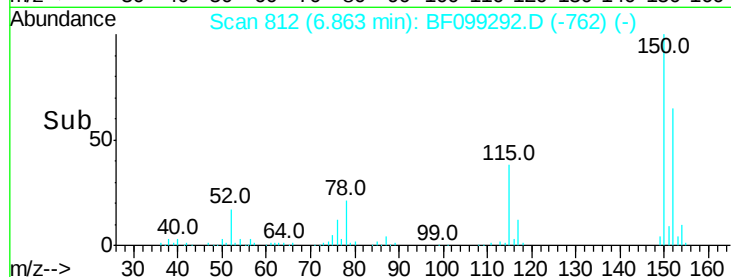
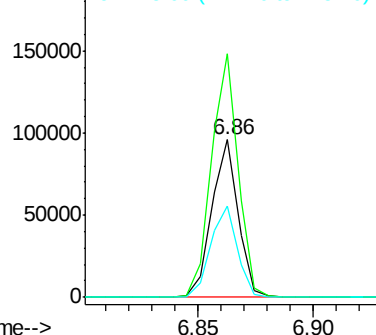
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76301
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 58.2 50.1 75.1



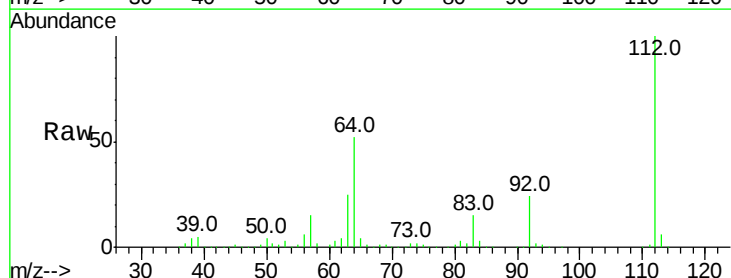
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



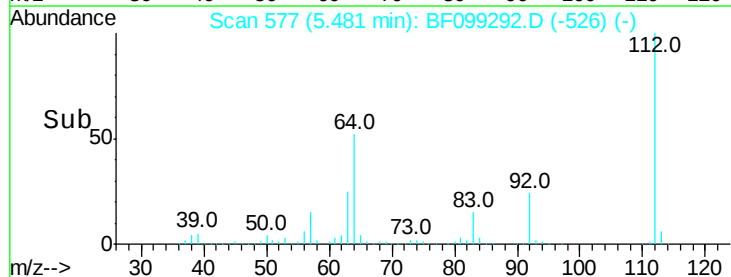
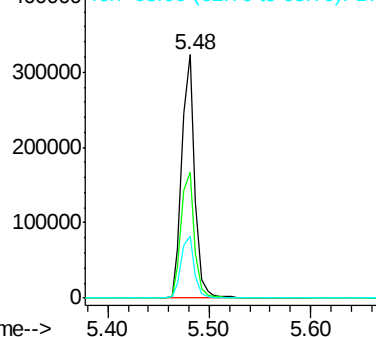
#5

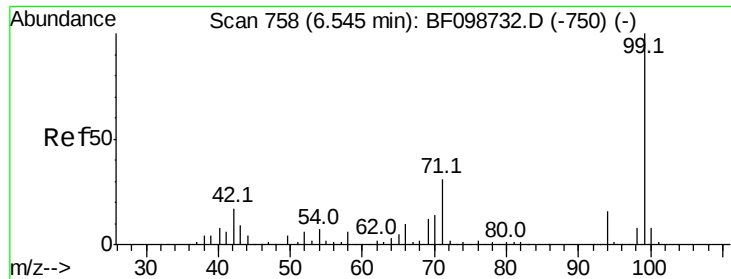
2-Fluorophenol
Concen: 60.071 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion:112 Resp: 287926
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 25.4 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: 60.167 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampled :

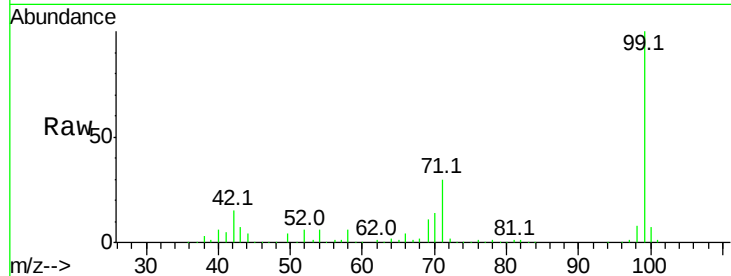
Tot Ion: 99 Resp: 355754

Ion Ratio Lower Upper

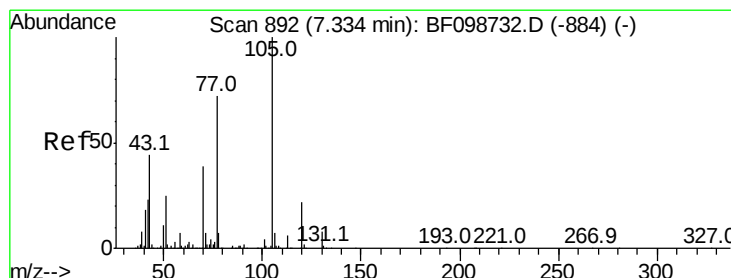
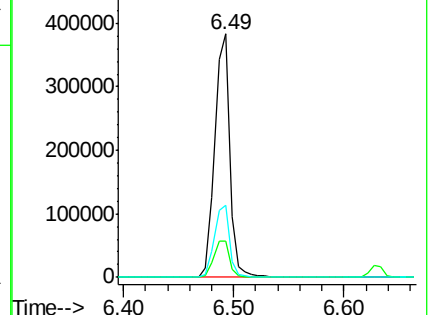
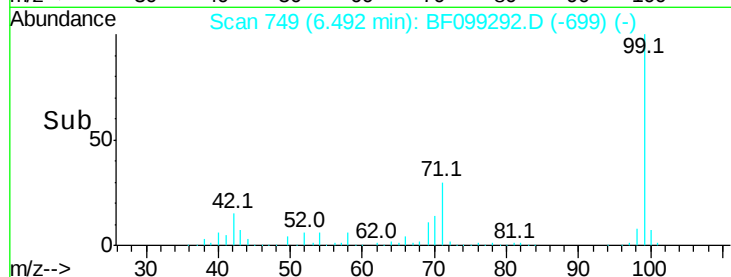
99 100

42 14.8 14.5 21.7

71 29.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 6.764 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Tgt Ion: 70 Resp: 25534

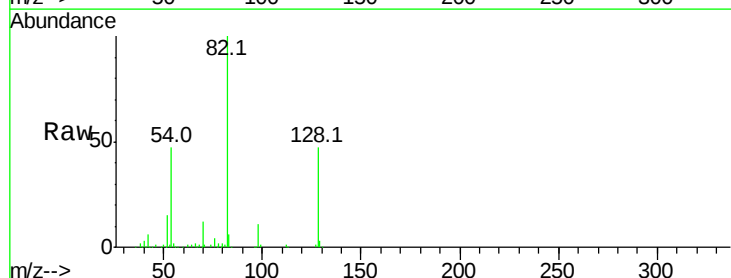
Ion Ratio Lower Upper

70 100

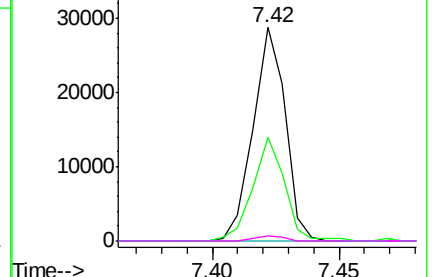
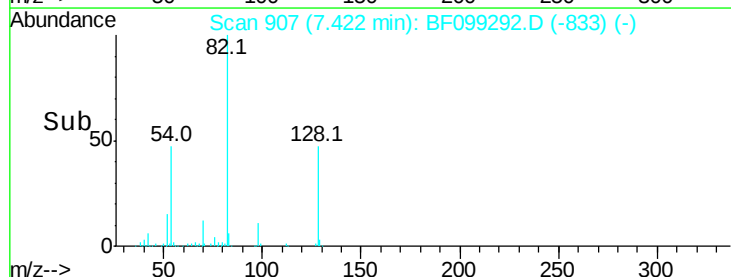
42 48.3 47.5 71.3

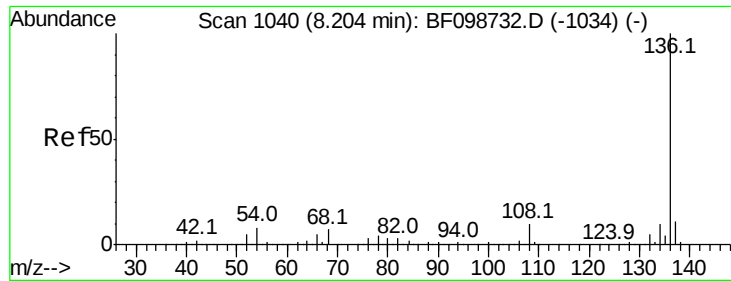
101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

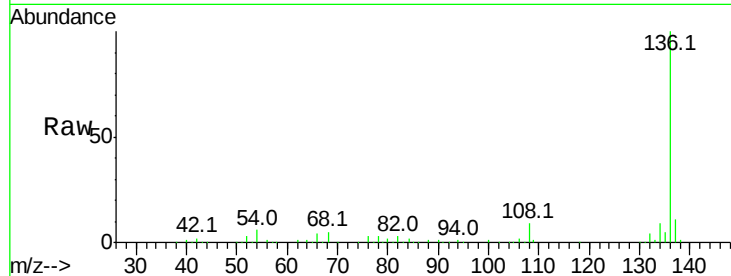




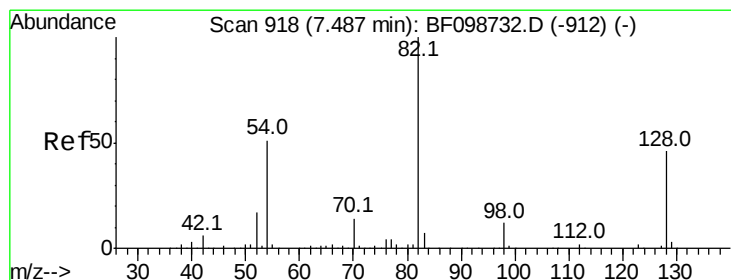
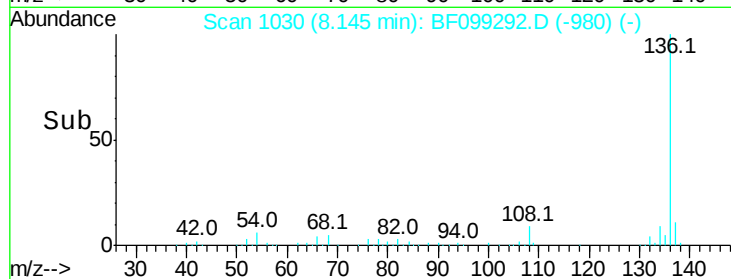
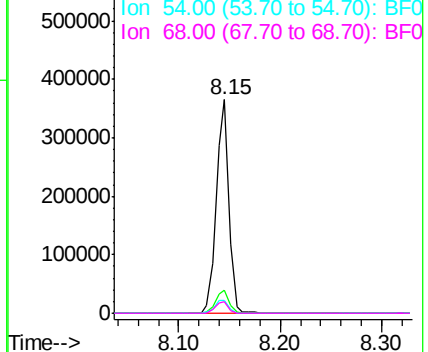
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	315384
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.3	6.6	9.8#
68	5.3	5.0	7.4

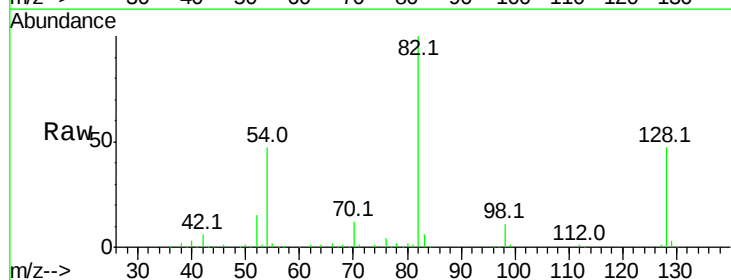


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

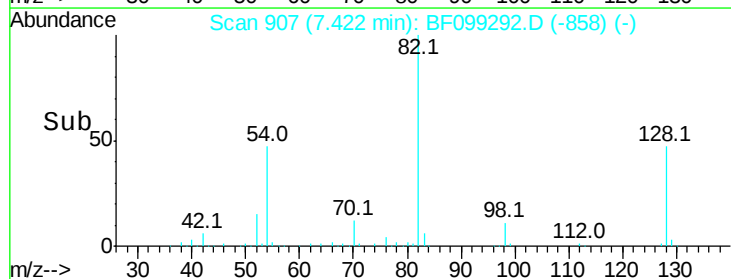
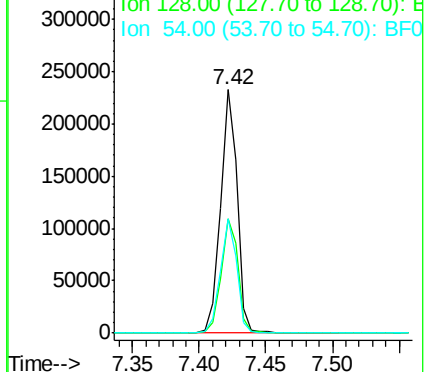


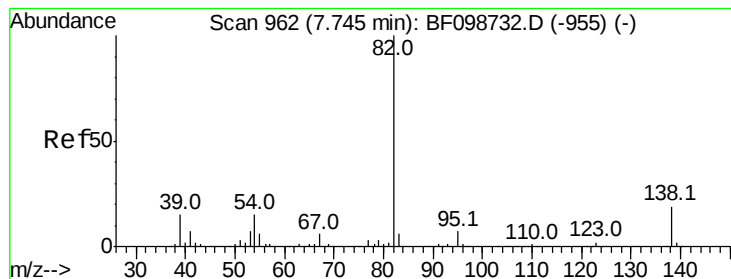
#23
Nitrobenzene-d5
Concen: 41.759 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion:	82	Resp:	205366
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	47.2	41.4	62.2



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





#25

Isophorone

Concen: 20.197 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampleId :

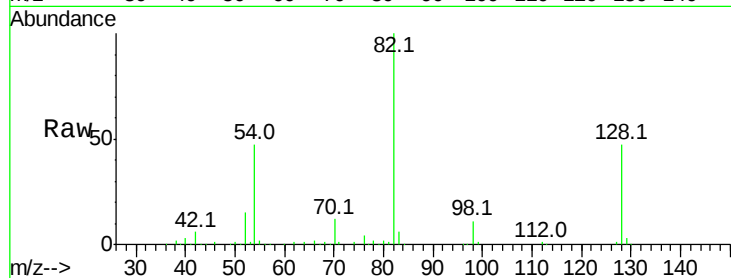
Tot Ion: 82 Resp: 205362

Ion Ratio Lower Upper

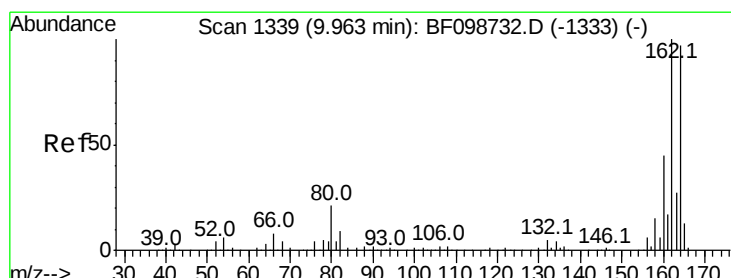
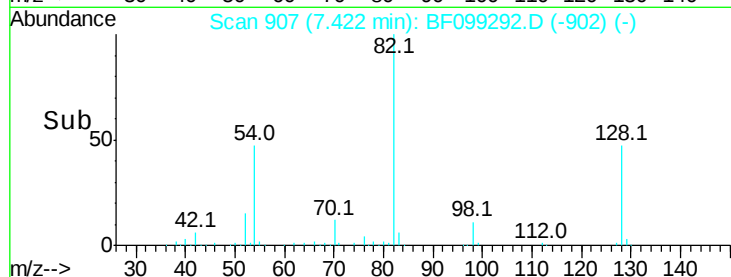
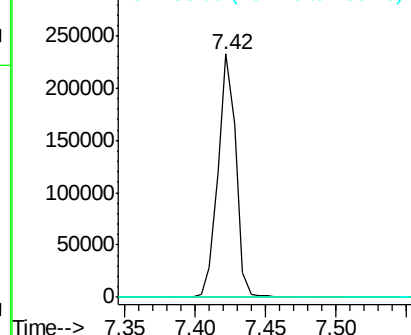
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

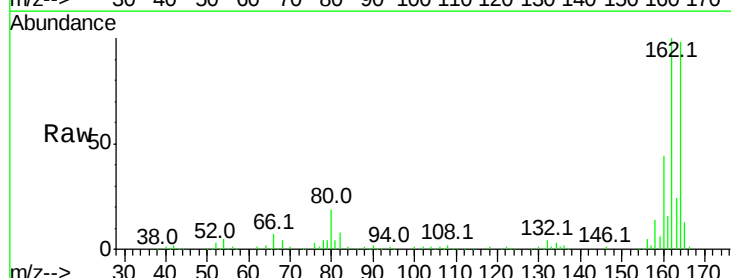
Tgt Ion:164 Resp: 144736

Ion Ratio Lower Upper

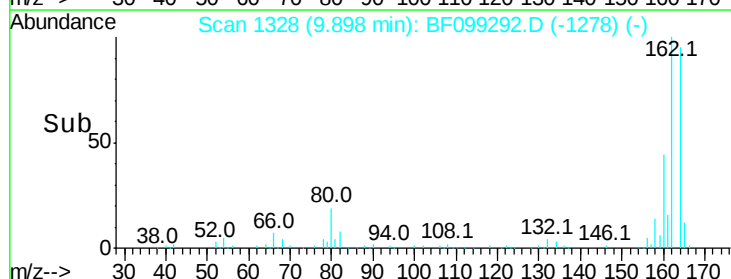
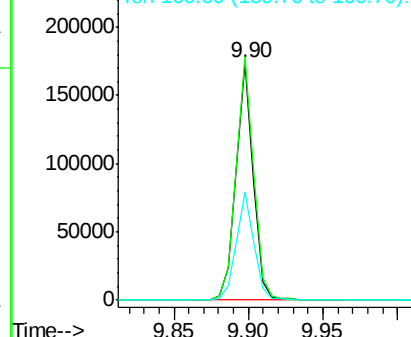
164 100

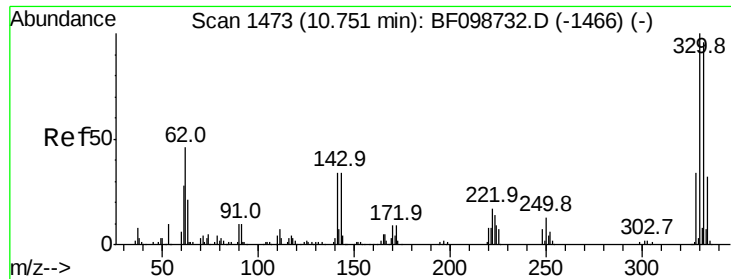
162 102.5 86.1 129.1

160 45.3 38.3 57.5



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

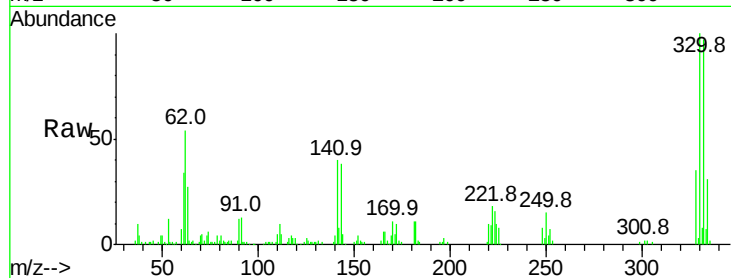




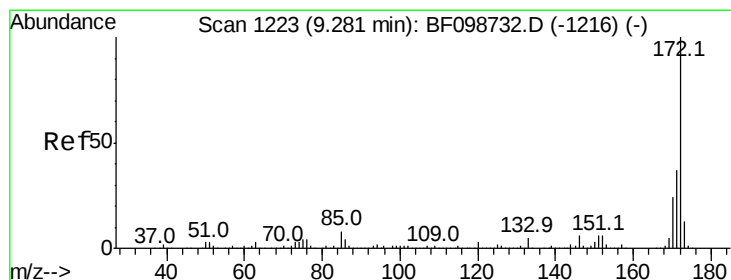
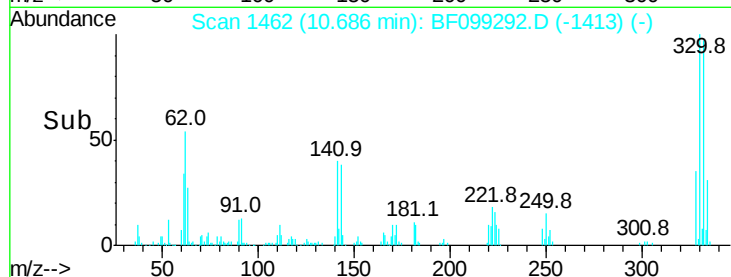
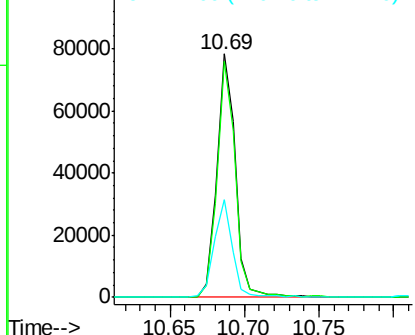
#41
 2,4,6-Tribromophenol
 Concen: 57.338 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 67907
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 39.1 29.9 44.9

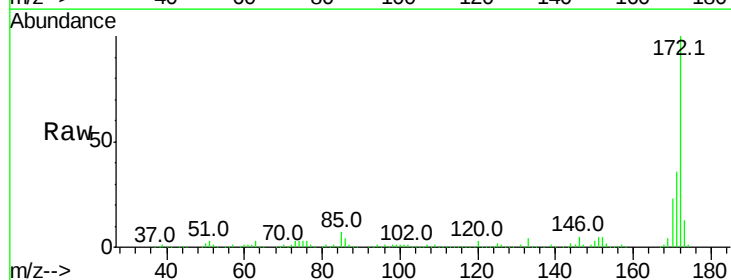


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

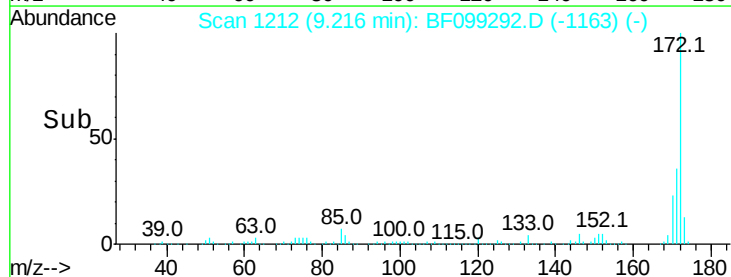
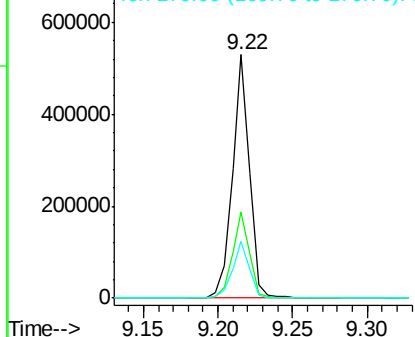


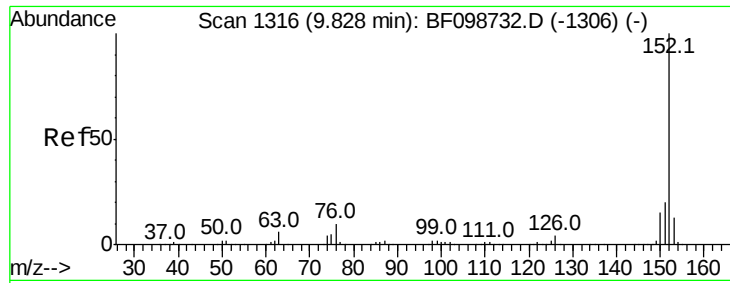
#44
 2-Fluorobiphenyl
 Concen: 49.681 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion:172 Resp: 430724
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.3 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





#48

Acenaphthylene

Concen: 2.001 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampleId :

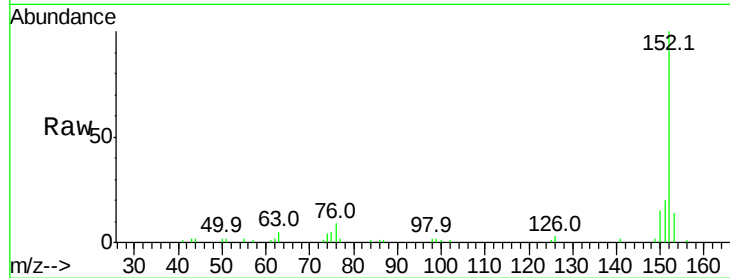
Tot Ion:152 Resp: 28602

Ion Ratio Lower Upper

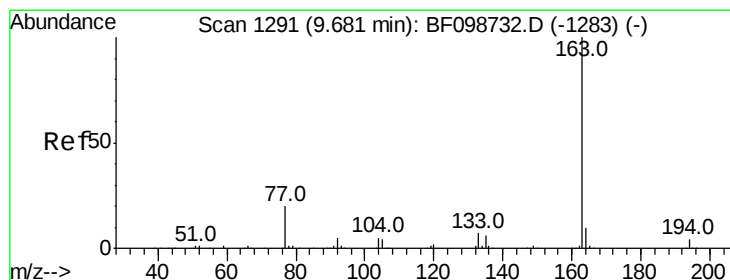
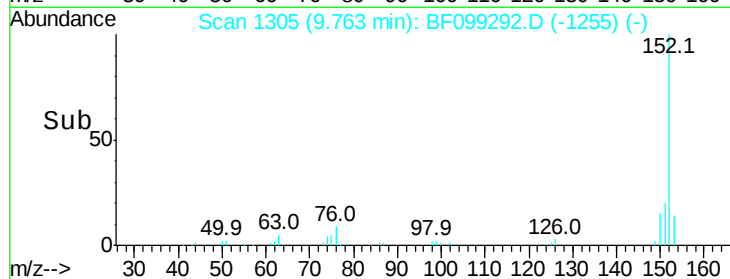
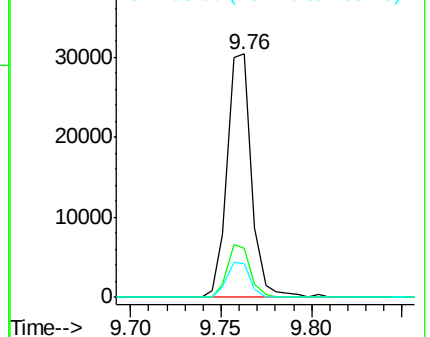
152 100

151 20.2 16.3 24.5

153 13.7 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.513 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

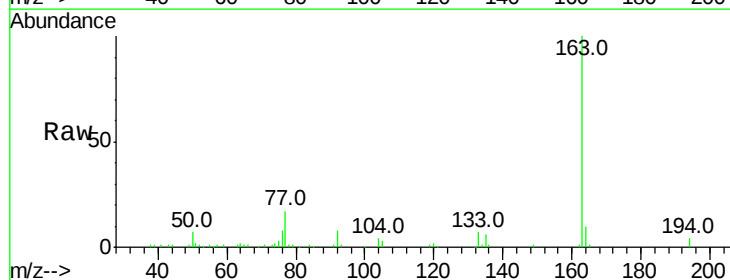
Tgt Ion:163 Resp: 71149

Ion Ratio Lower Upper

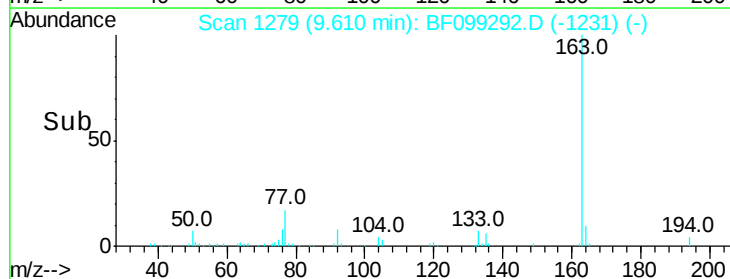
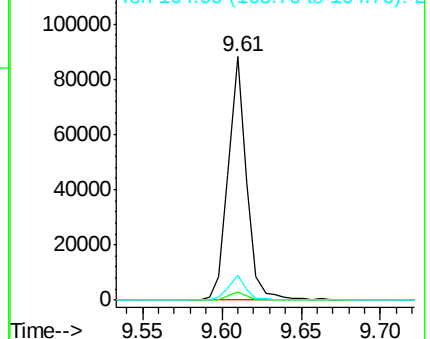
163 100

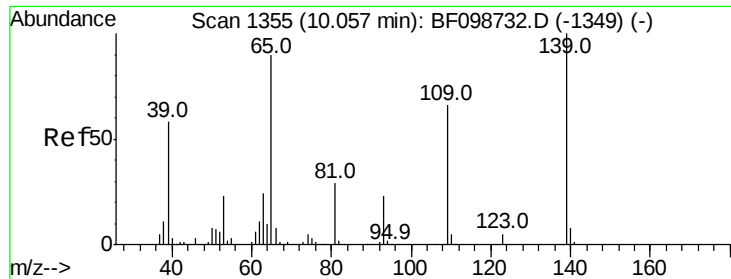
194 3.5 2.7 4.1

164 10.4 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

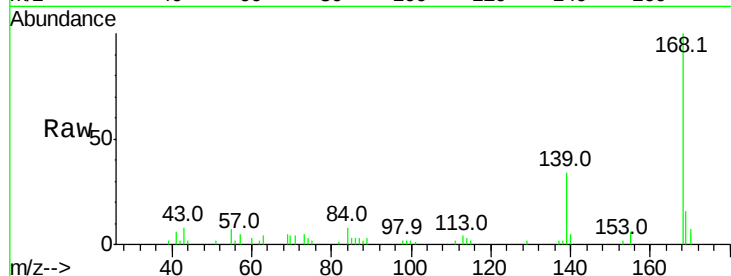




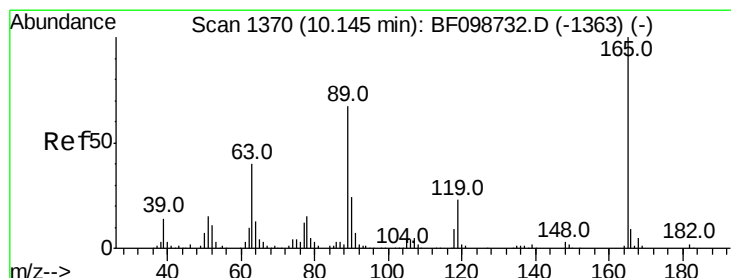
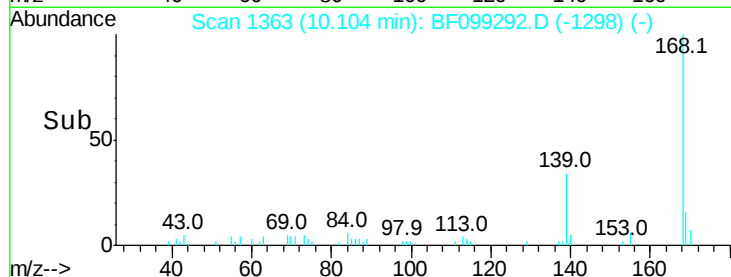
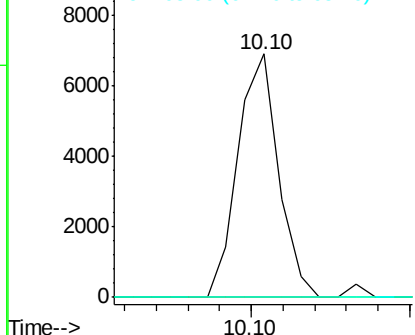
#55
4-Nitrophenol
Concen: 2.608 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

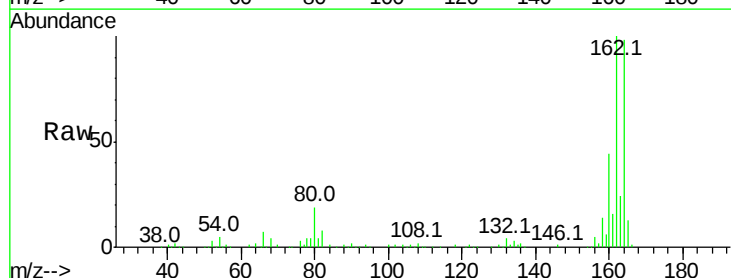


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

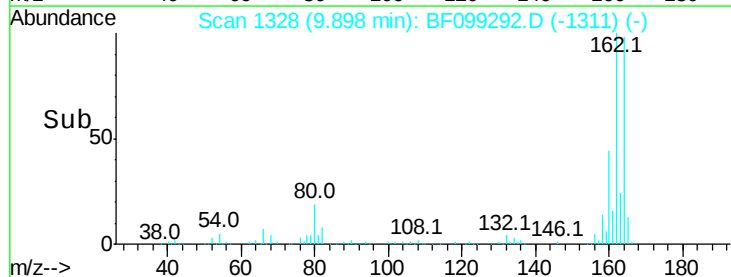
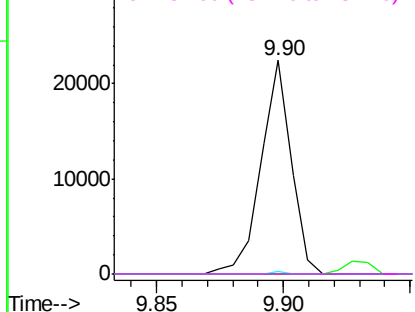


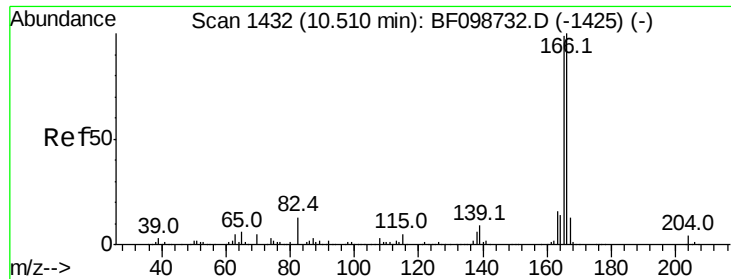
#56
2,4-Dinitrotoluene
Concen: 6.077 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	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

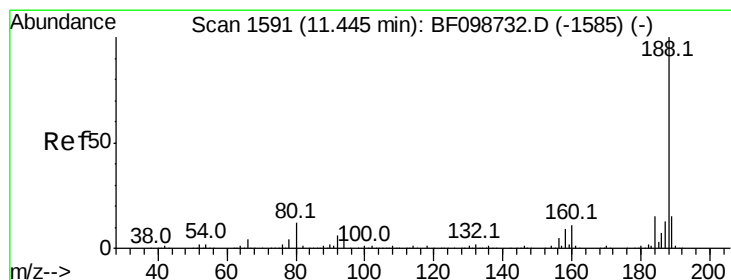
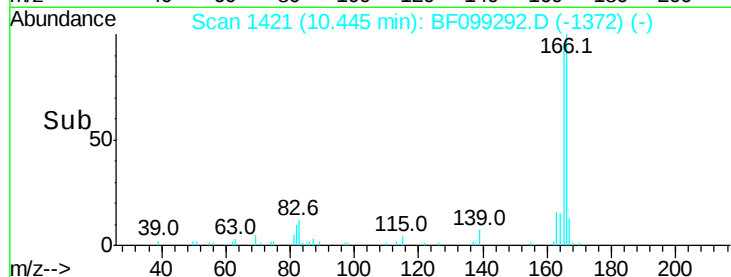
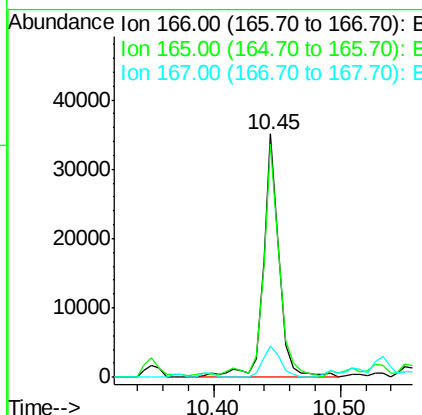
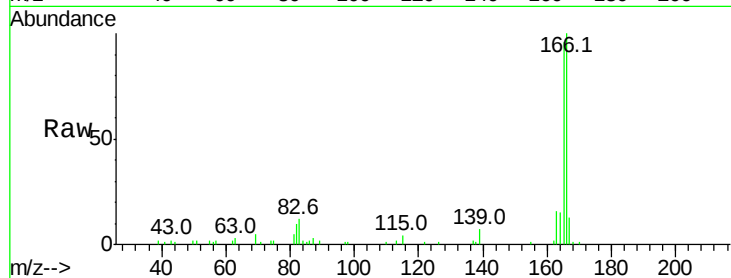




#57
 Fluorene
 Concen: 3.156 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

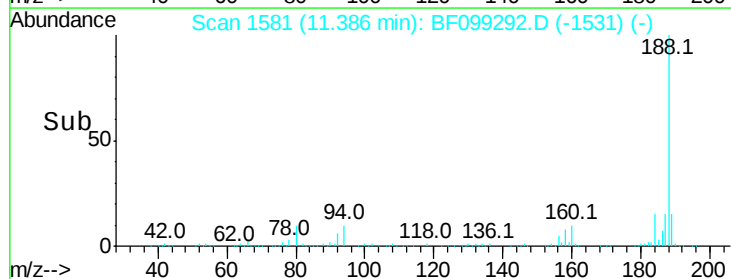
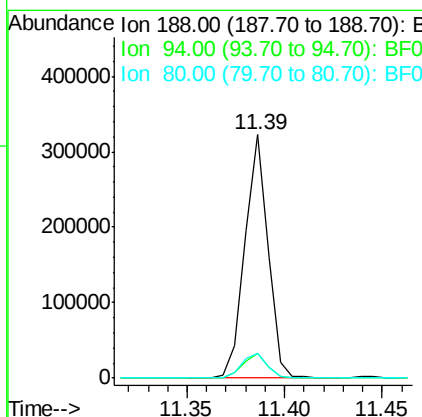
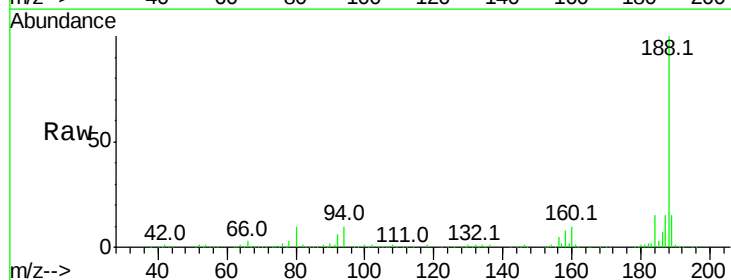
Instrument :
 BNA_F
 ClientSampleId :

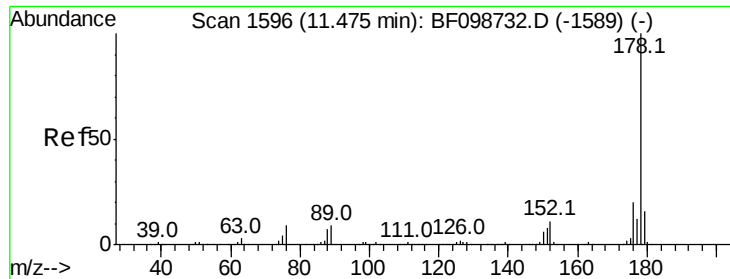
Tot Ion:166 Resp: 30590
 Ion Ratio Lower Upper
 166 100
 165 96.0 79.8 119.8
 167 12.8 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion:188 Resp: 265922
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.3 9.2 13.8

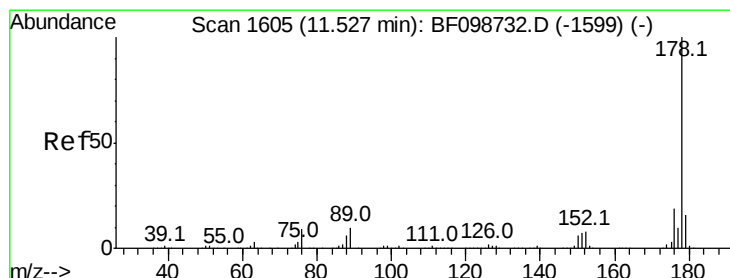
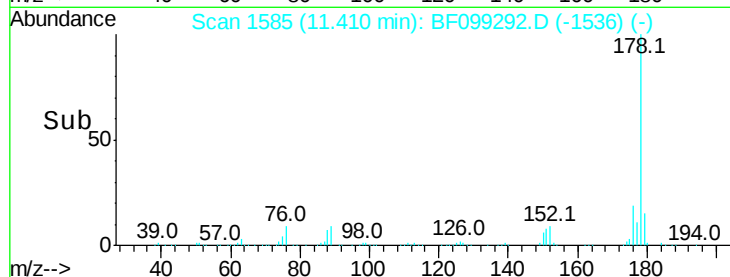
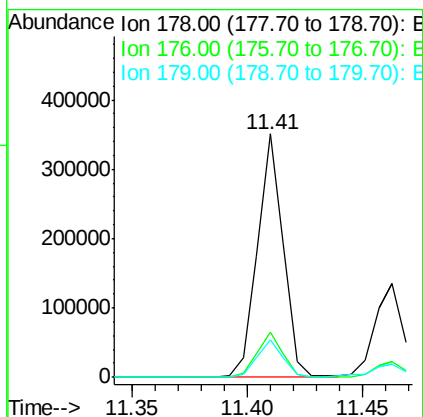
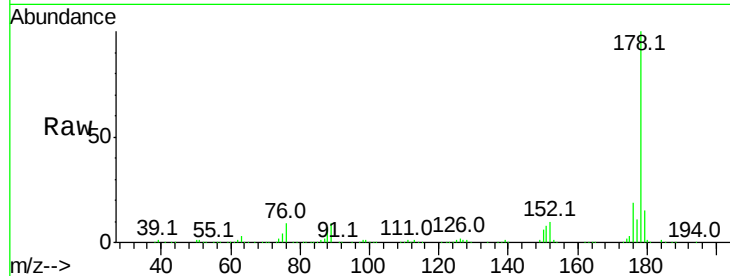




#70
Phenanthrene
Concen: 19.343 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

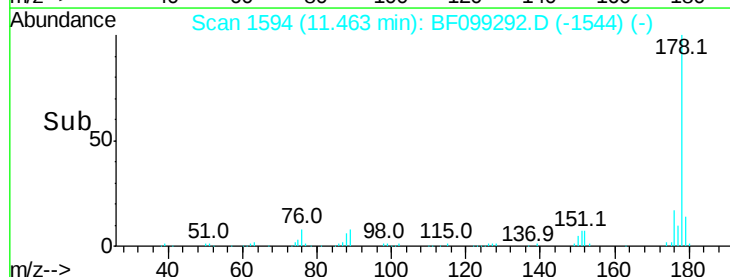
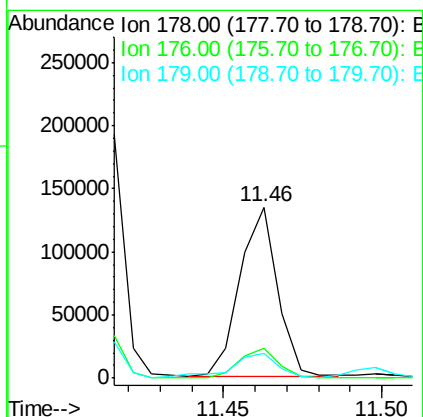
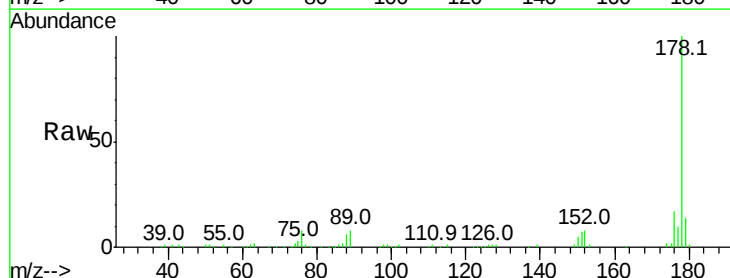
Instrument :
BNA_F
ClientSampleId :

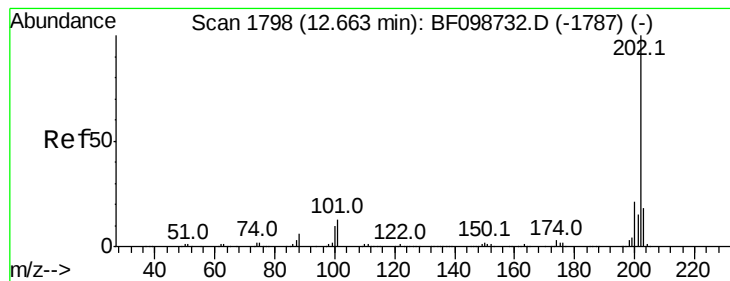
Tot Ion:178 Resp: 275324
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.2 13.0 19.6



#71
Anthracene
Concen: 7.593 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion:178 Resp: 110581
Ion Ratio Lower Upper
178 100
176 17.2 15.4 23.2
179 14.3 12.6 19.0





#74

Fluoranthene

Concen: 46.045 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampled :

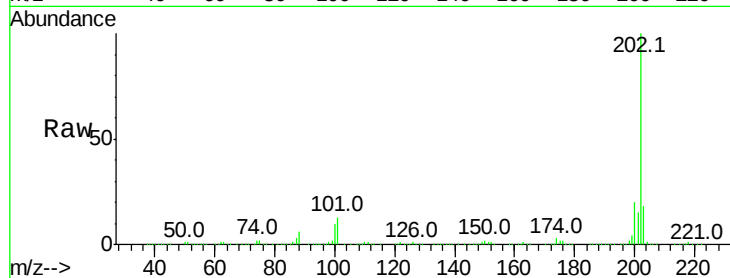
Tot Ion:202 Resp: 663674

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

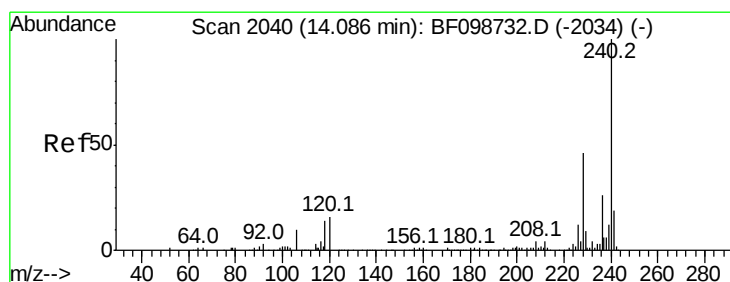
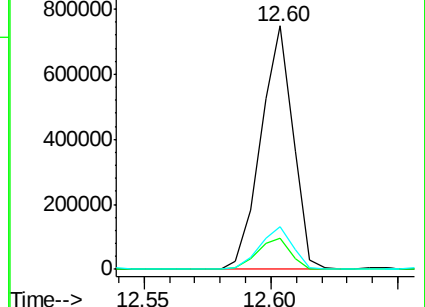
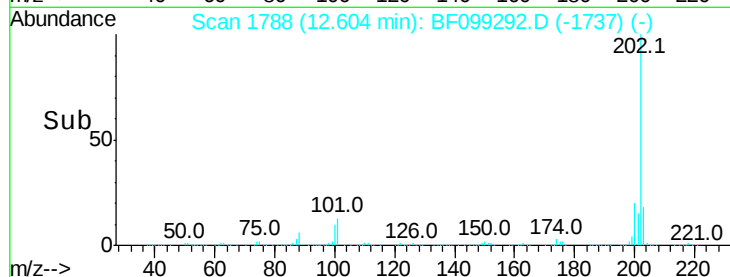
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

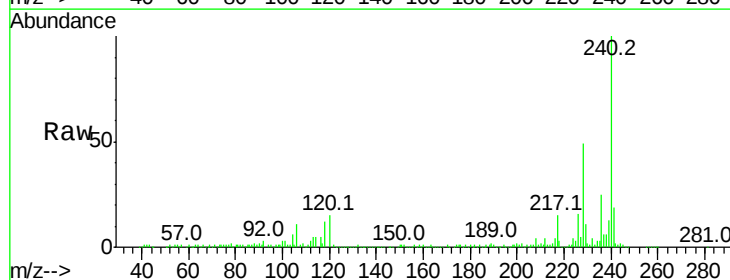
Tgt Ion:240 Resp: 161171

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

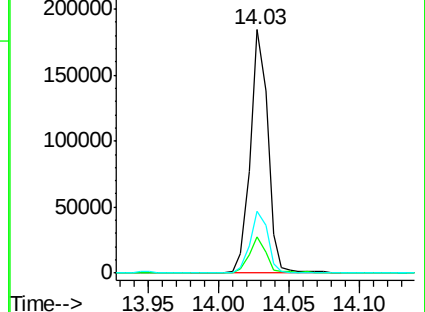
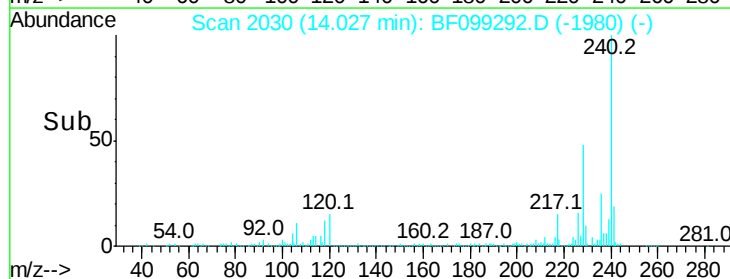
236 25.2 20.7 31.1

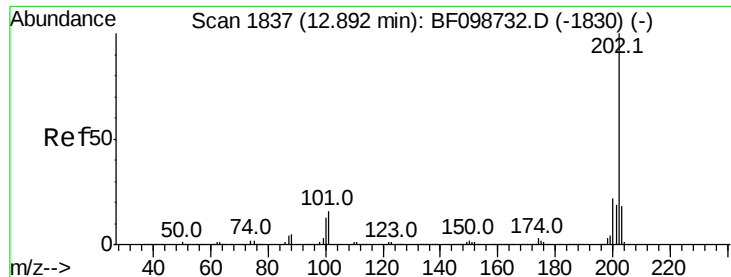


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 47.287 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampleId :

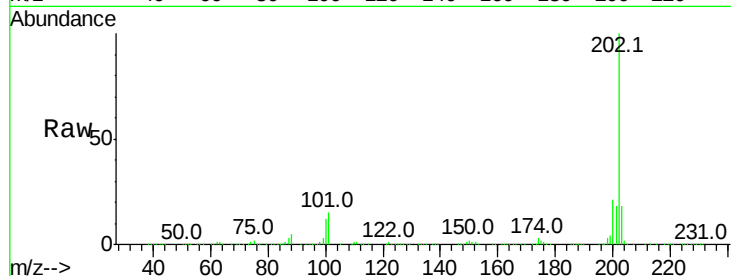
Tot Ion:202 Resp: 581147

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

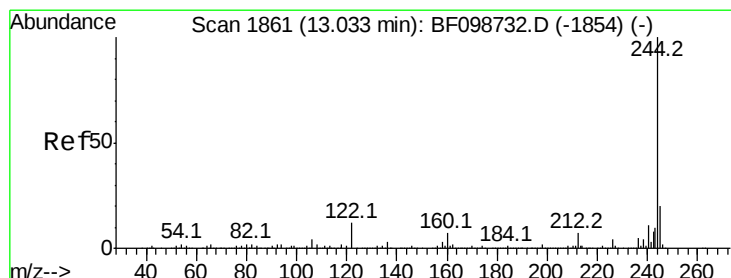
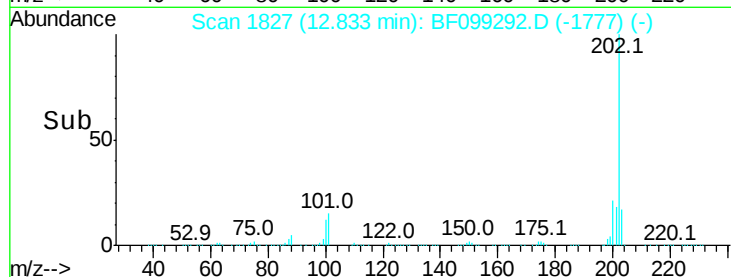
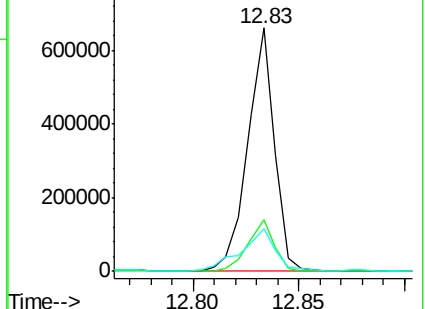
203 17.7 14.3 21.5



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: 54.769 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

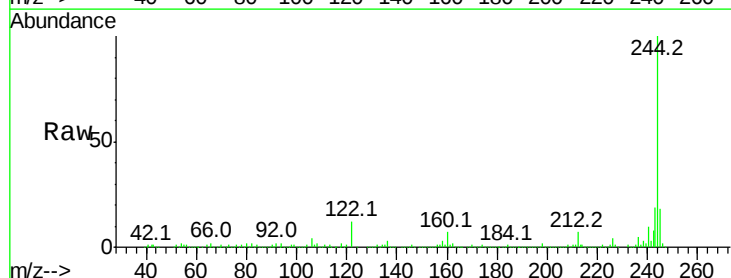
Tgt Ion:244 Resp: 388146

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

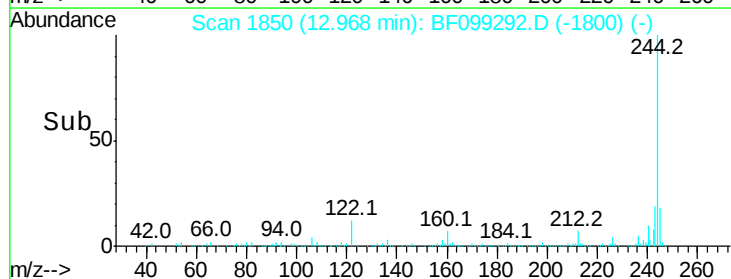
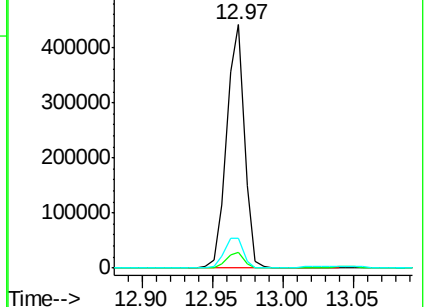
122 12.4 11.0 16.4

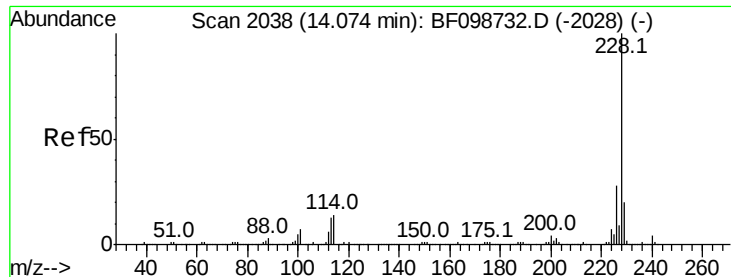


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 30.397 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampleId :

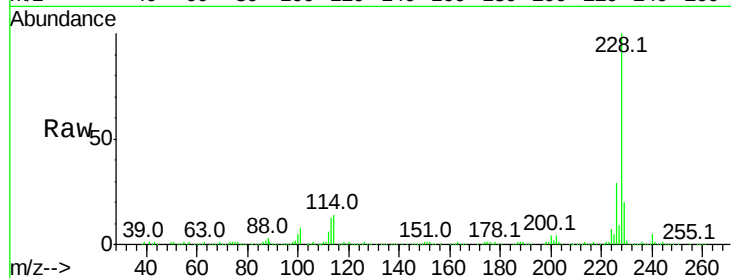
Tot Ion:228 Resp: 296649

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

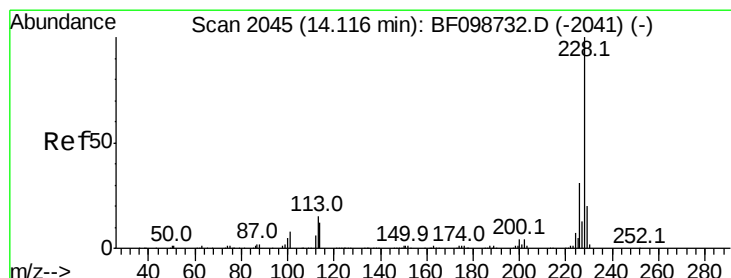
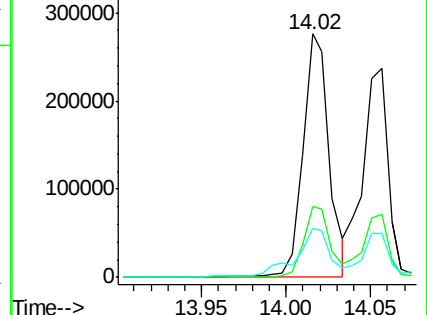
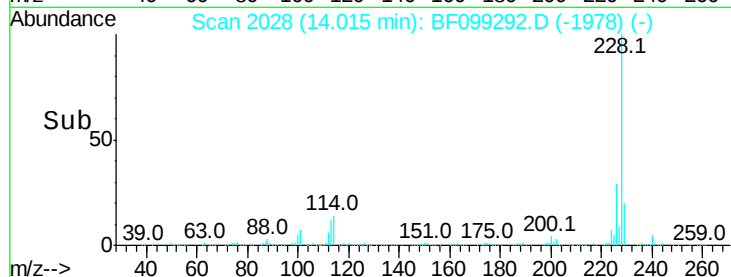
229 20.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 26.507 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

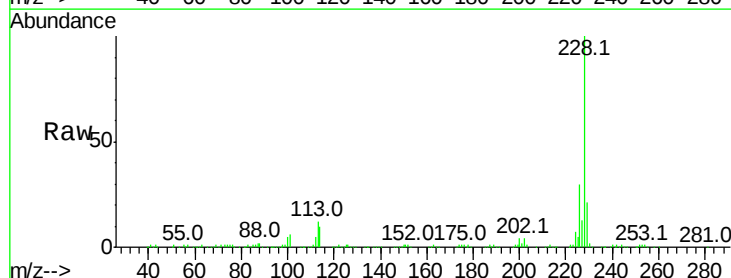
Tgt Ion:228 Resp: 246286

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

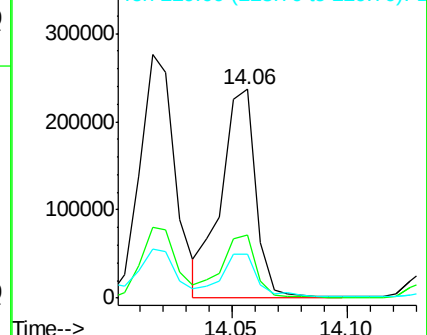
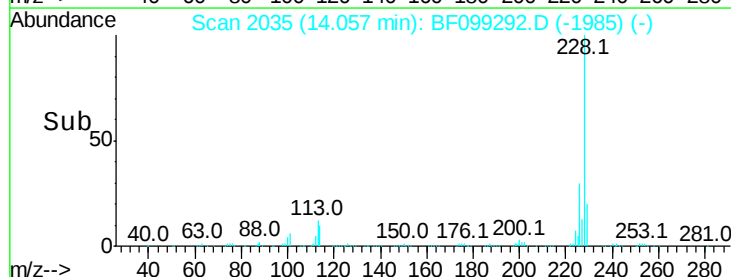
229 20.9 16.2 24.4

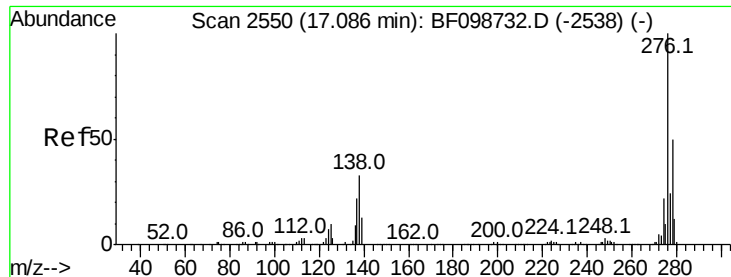


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

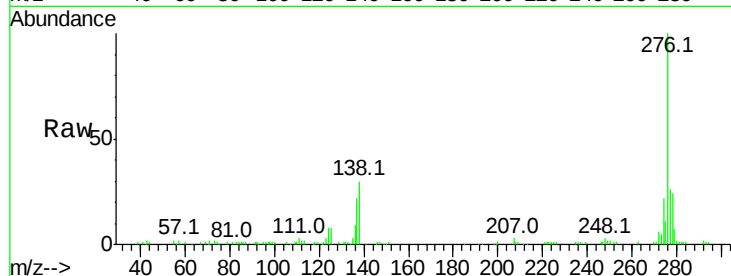




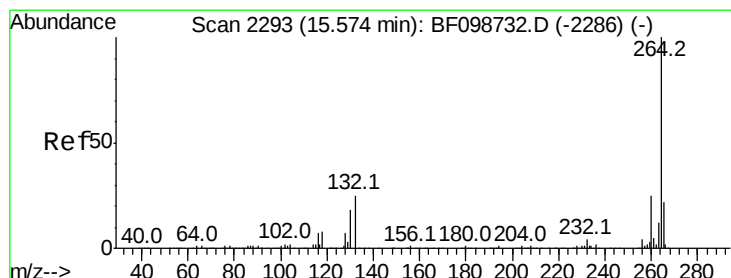
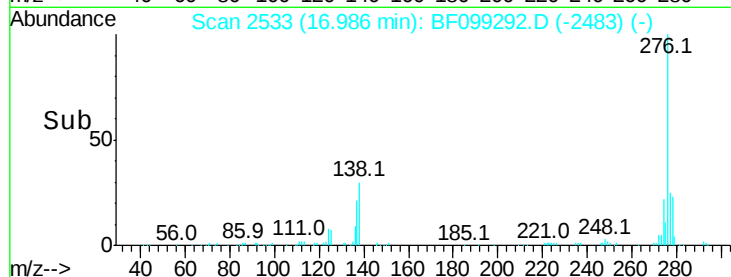
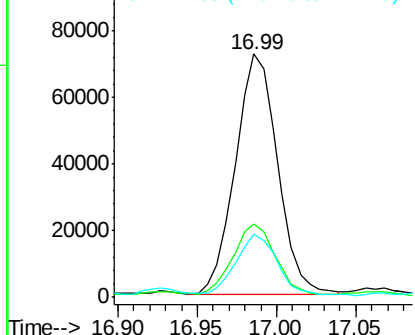
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.892 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.3	20.1	30.1

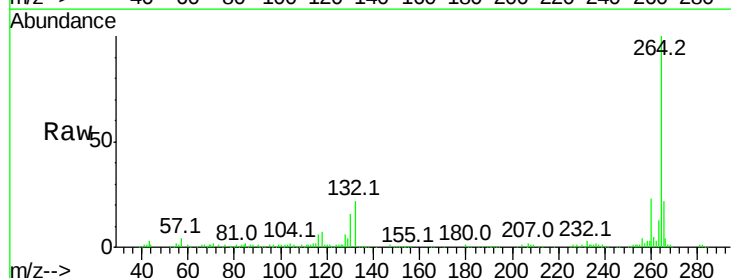


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

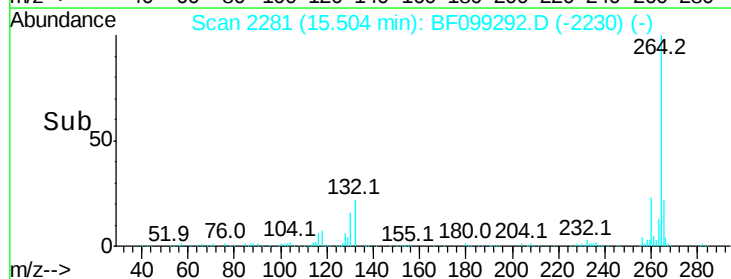
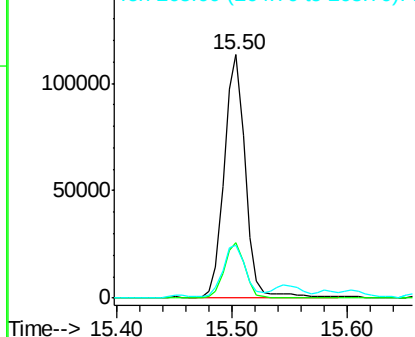


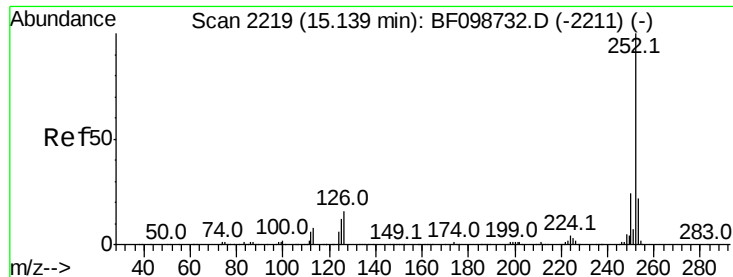
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	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

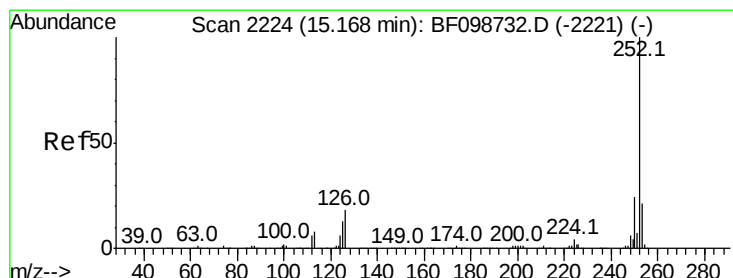
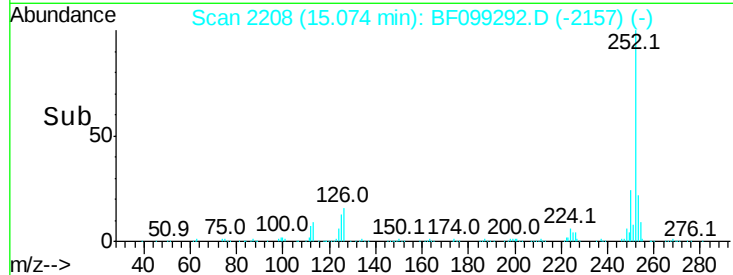
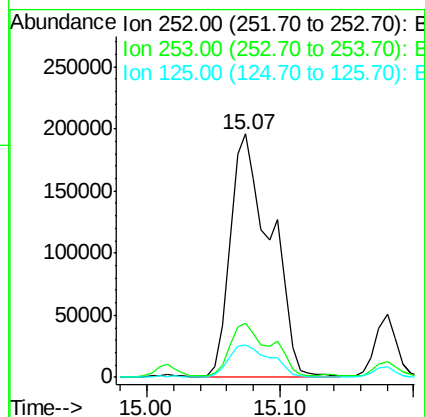
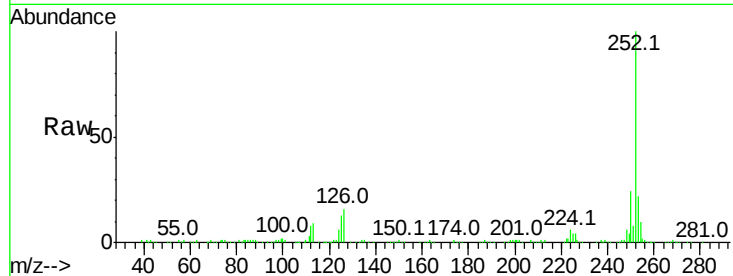




#87
Benzo(b)fluoranthene
Concen: 46.612 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

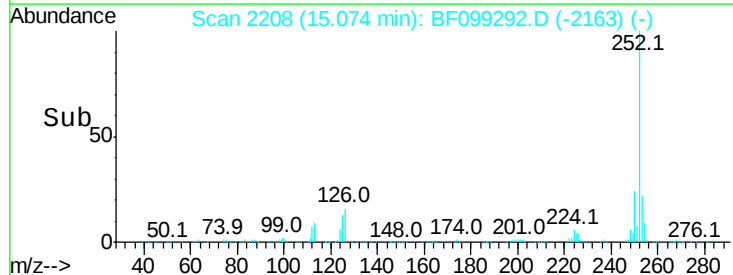
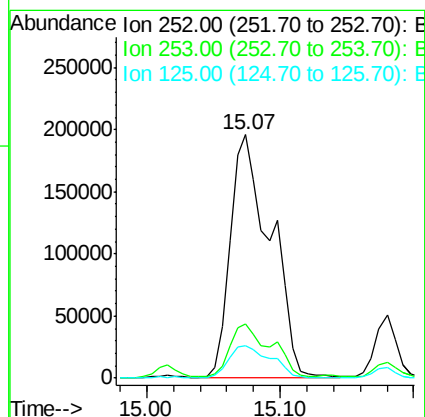
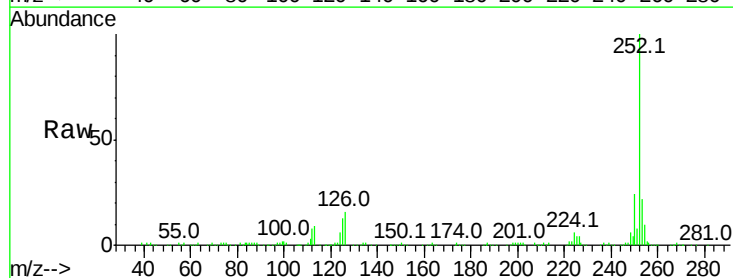
Instrument :
BNA_F
ClientSampleId :

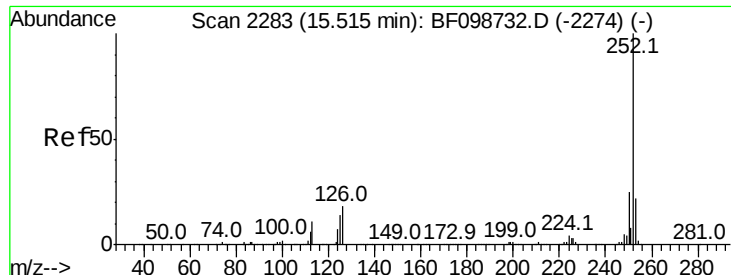
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 47.192 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.1	10.2	15.2

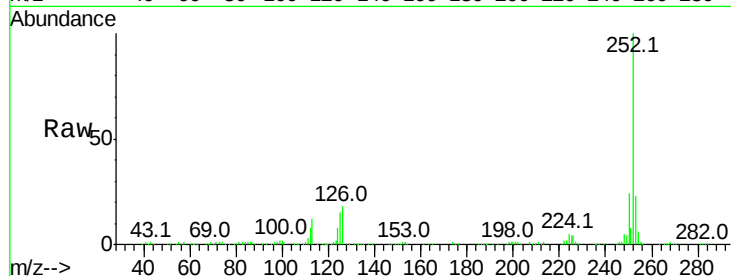




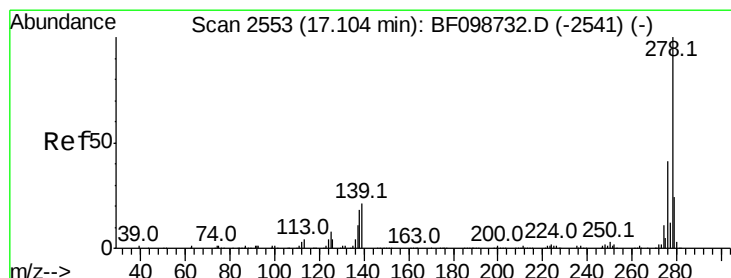
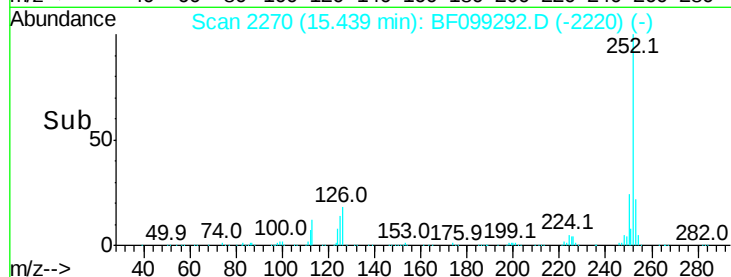
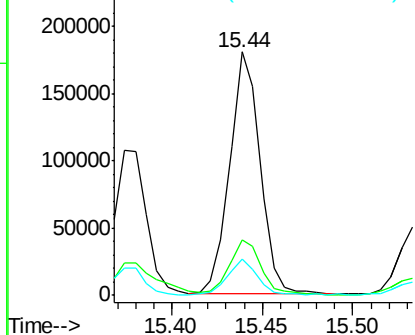
#89
Benzo(a)pyrene
Concen: 26.177 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.7	9.8	14.6

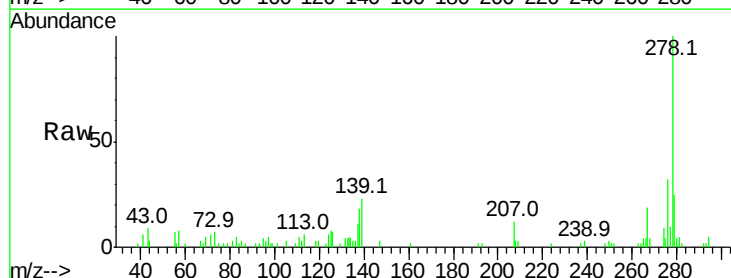


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

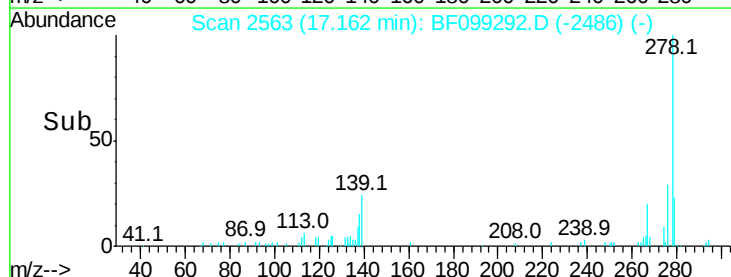
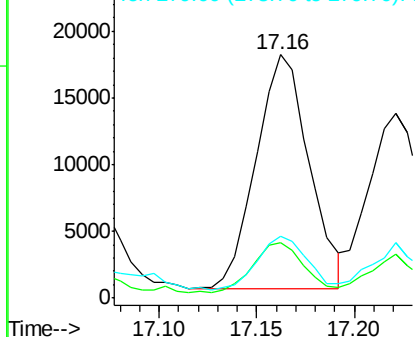


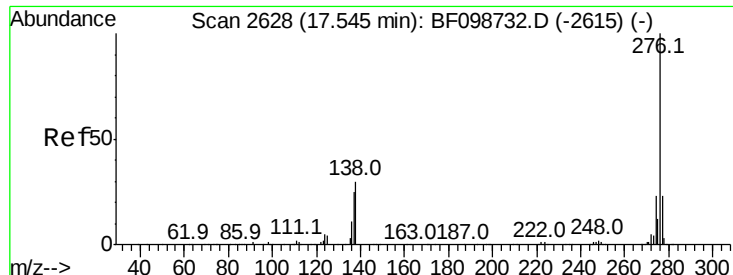
#90
Dibenzo(a,h)anthracene
Concen: 5.148 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.15 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	15.9	23.9
279	25.4	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 19.364 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

ClientSampleId :

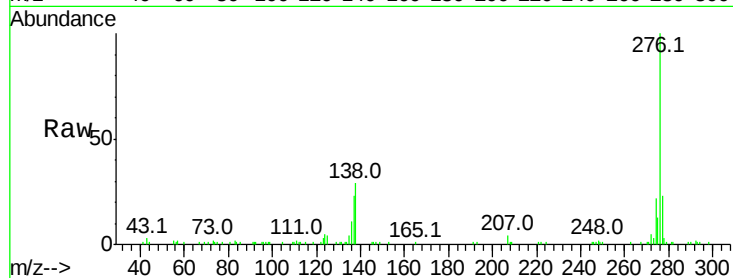
Tot Ion:276 Resp: 123499

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 29.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

