

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099204.D
 Acq On : 7 Oct 2017 19:53
 Operator : SJ/JU
 Sample : I5587-05 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:38:57 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

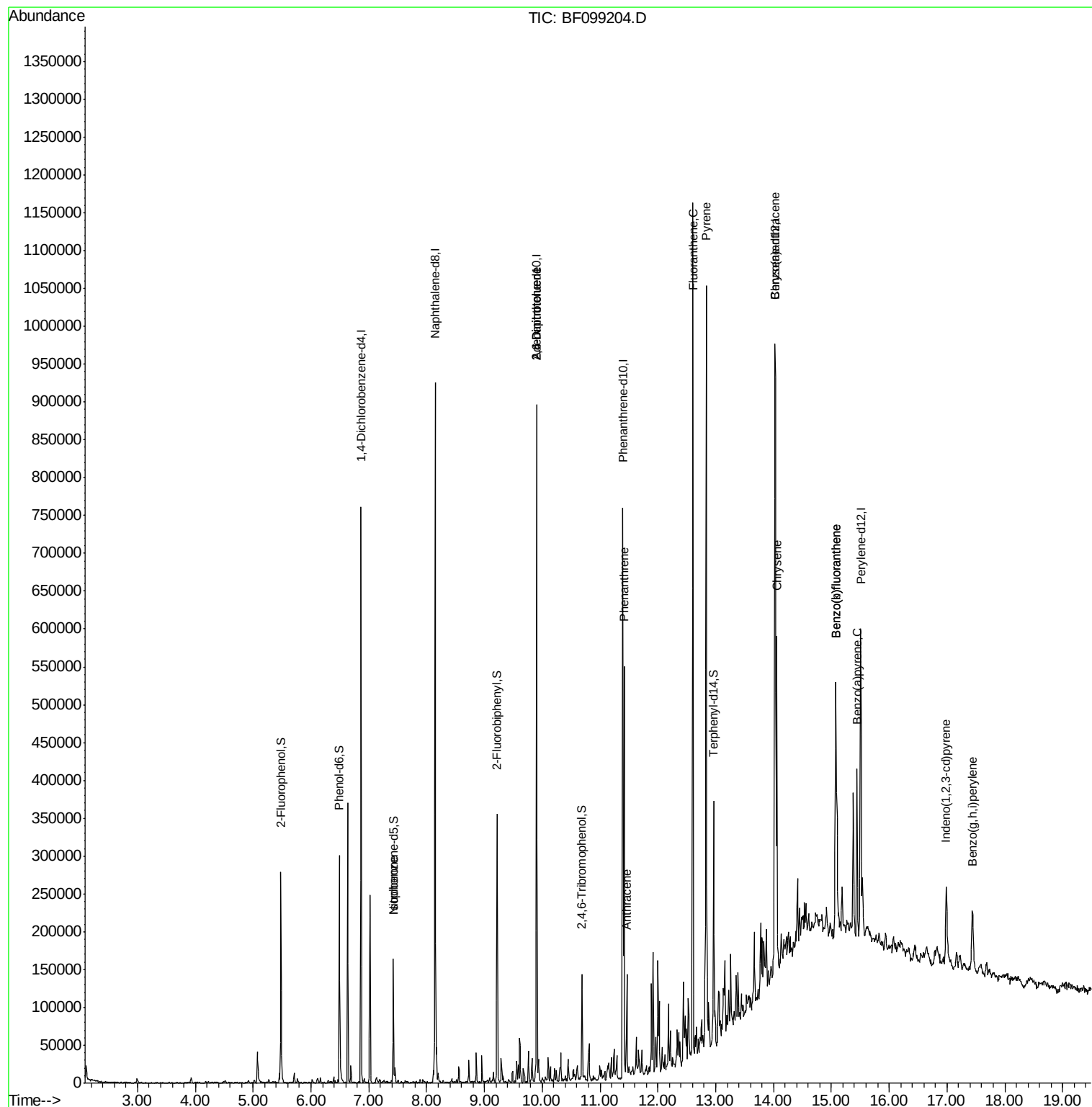
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	116387	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	441684	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	172468	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	270824	20.00	ng	0.00
75) Chrysene-d12	14.03	240	220820	20.00	ng	0.00
86) Perylene-d12	15.51	264	180603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	83351	11.40	ng	0.00
7) Phenol-d6	6.49	99	100763	11.17	ng	0.00
23) Nitrobenzene-d5	7.42	82	51511	7.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	12488	8.85	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	107805	10.44	ng	-0.01
78) Terphenyl-d14	12.97	244	80388	8.28	ng	0.00
Target Compounds						
25) Isophorone	7.42	82	51510	3.617	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	22675	8.001	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	22675	6.165	ng	# 23
70) Phenanthrene	11.42	178	202170	13.946	ng	99
71) Anthracene	11.46	178	46843	3.158	ng	99
74) Fluoranthene	12.60	202	386378	26.321	ng	100
77) Pyrene	12.83	202	359652	21.359	ng	99
80) Benzo(a)anthracene	14.02	228	163659	12.240	ng	100
82) Chrysene	14.06	228	150442	11.818	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	62517	6.139	ng	99
87) Benzo(b)fluoranthene	15.07	252	224870	20.251	ng	# 95
88) Benzo(k)fluoranthene	15.07	252	224870	20.503	ng	# 96
89) Benzo(a)pyrene	15.44	252	107579	10.554	ng	# 95
91) Benzo(a,h,i)perylene	17.44	276	63588	7.886	ng	98

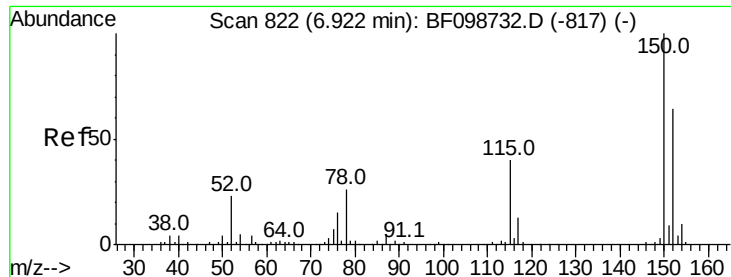
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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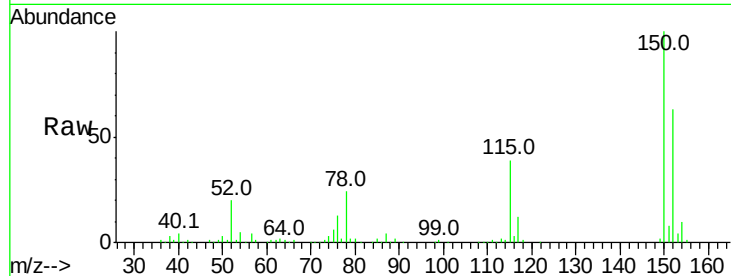


#1

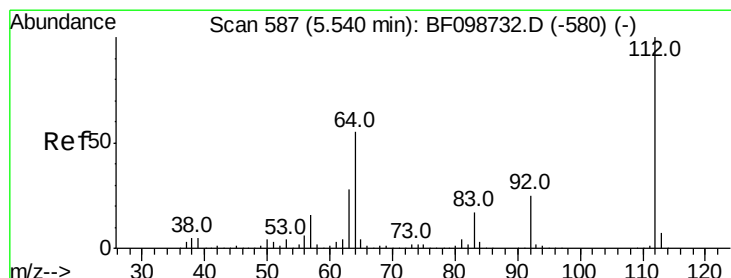
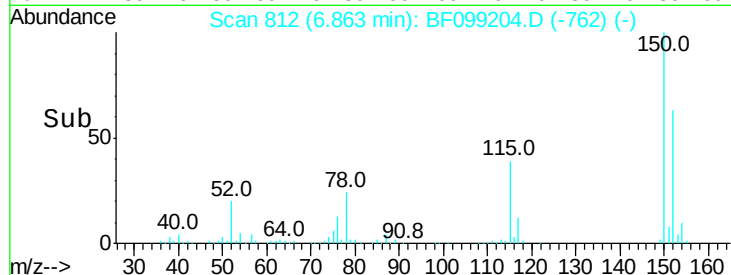
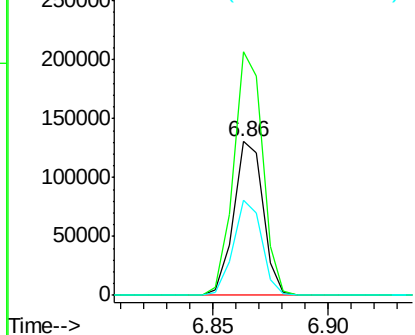
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116387
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 61.7 50.1 75.1



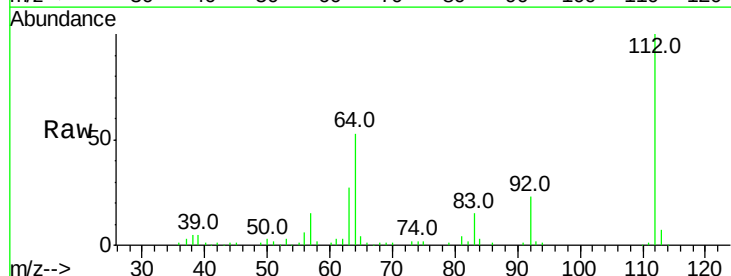
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



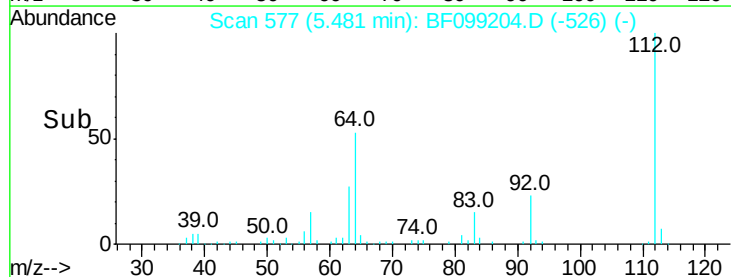
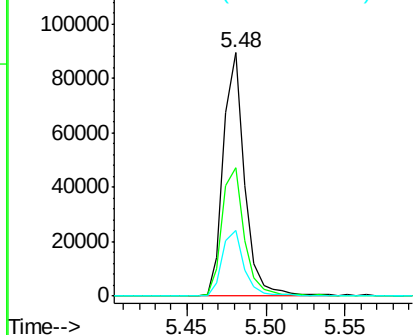
#5

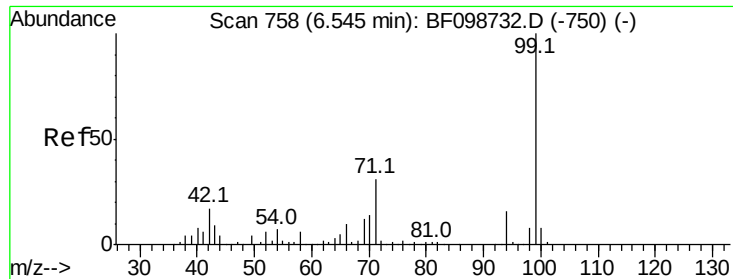
2-Fluorophenol
Concen: 11.400 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion:112 Resp: 83351
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 26.9 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: 11.172 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

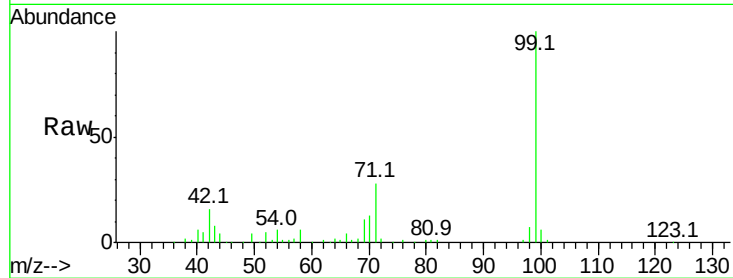
Tot Ion: 99 Resp: 100763

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

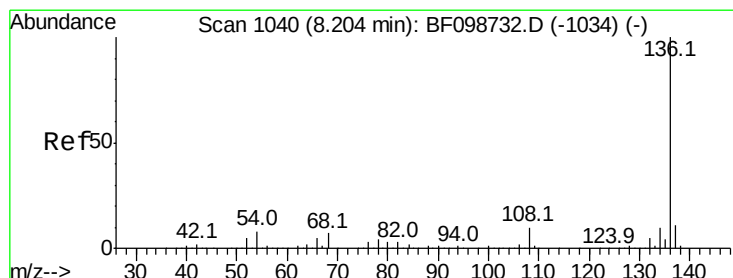
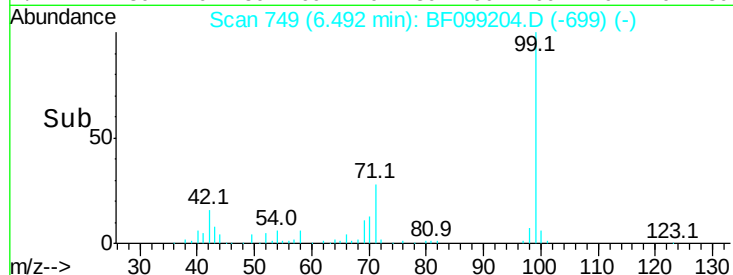
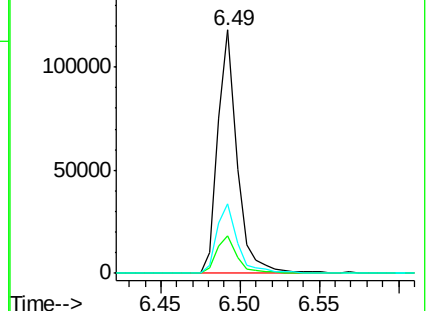
71 28.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:136 Resp: 441684

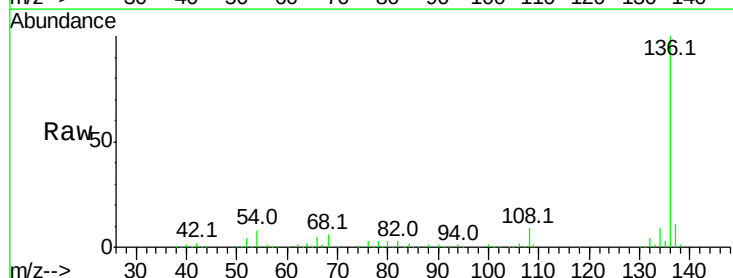
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 6.4 5.0 7.4

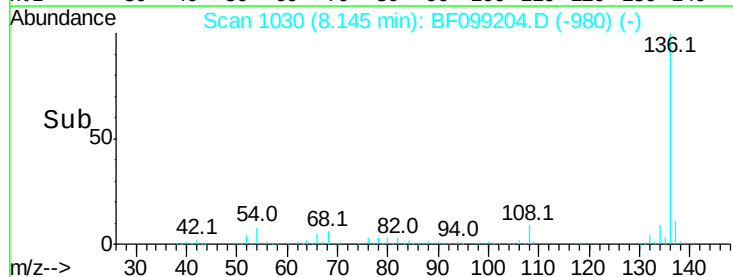
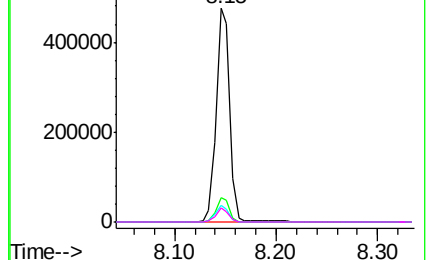


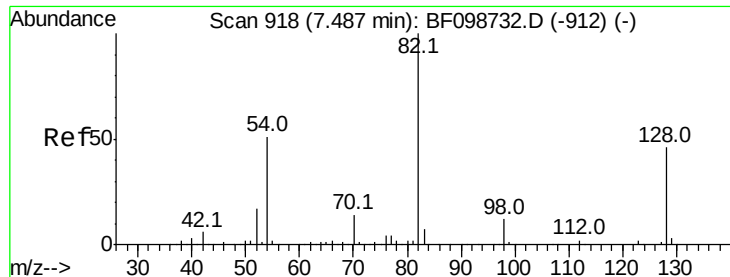
Abundance Ion 136.00 (135.70 to 136.70): E

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

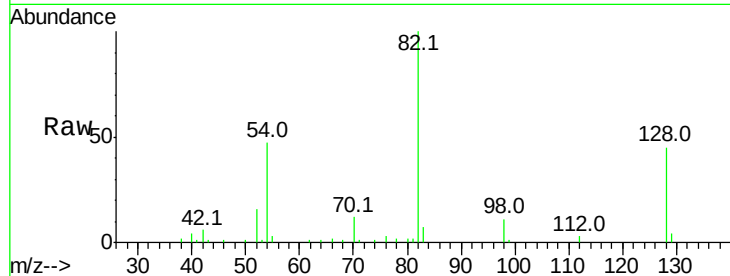




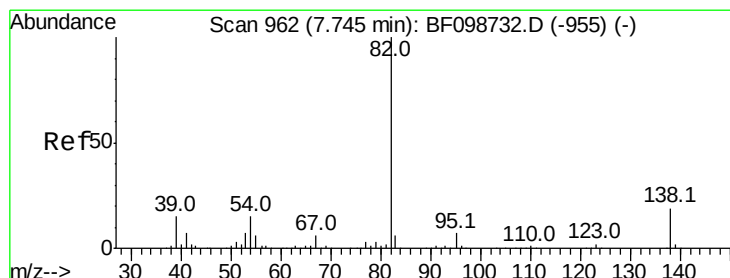
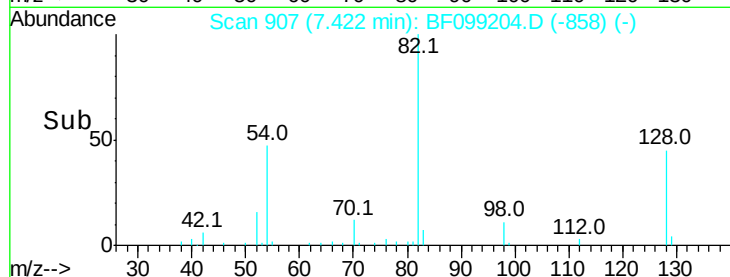
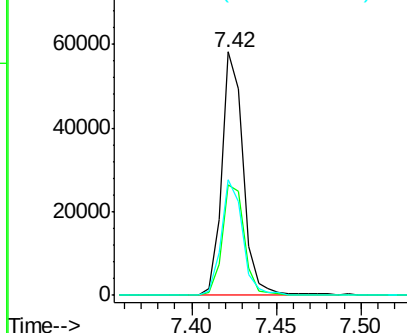
#23
Nitrobenzene-d5
Concen: 7.479 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	51511
Ion Ratio	100	Lower	Upper
128	45.4	36.1	54.1
54	47.5	41.4	62.2

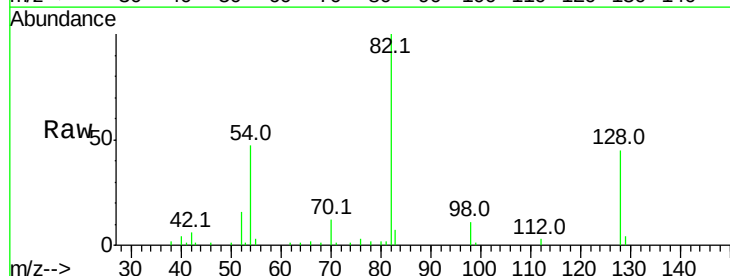


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

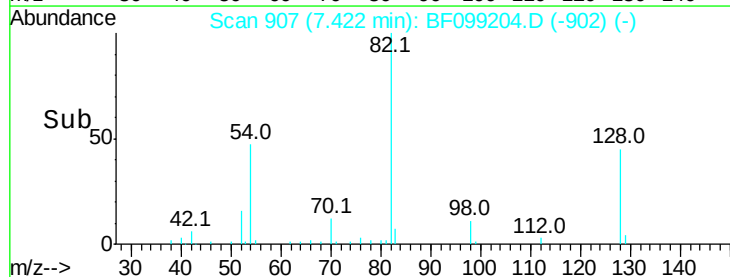
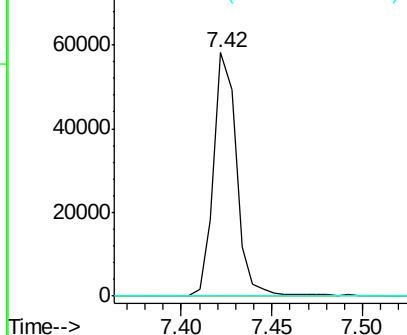


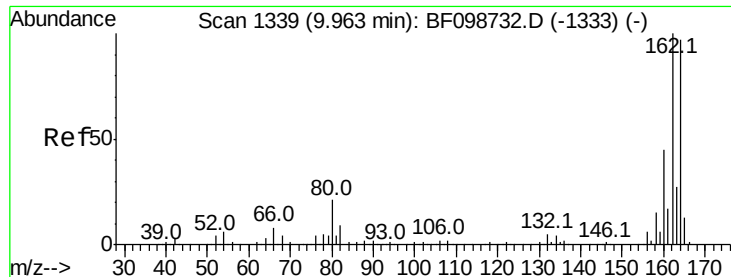
#25
Isophorone
Concen: 3.617 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.27 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion	82	Resp	51510
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

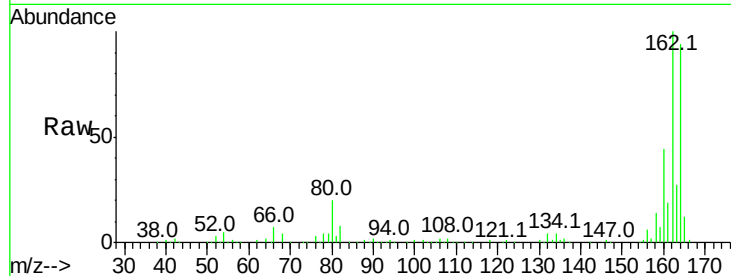




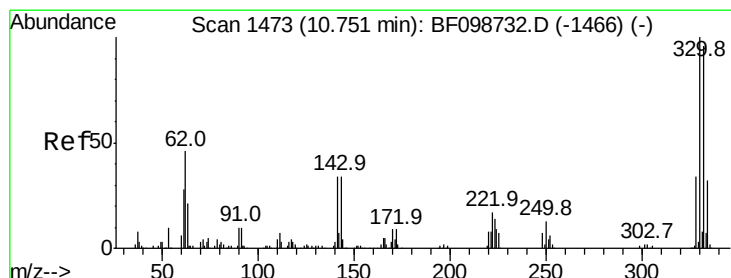
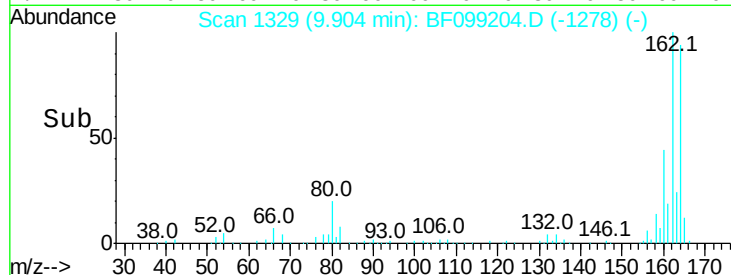
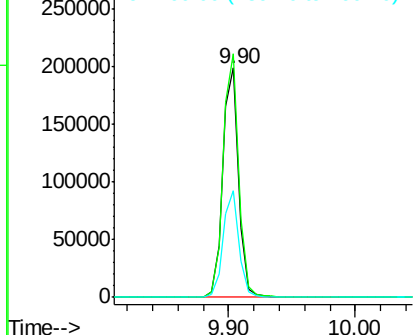
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 172468
 Ion Ratio Lower Upper
 164 100
 162 106.3 86.1 129.1
 160 46.3 38.3 57.5

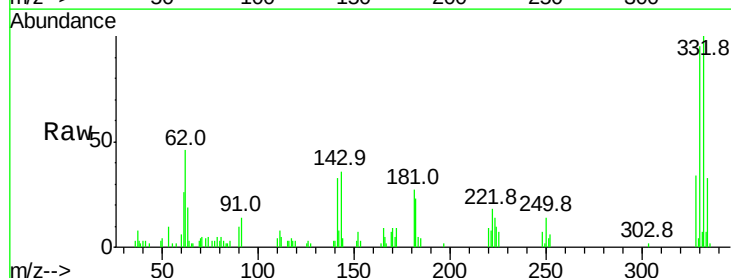


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

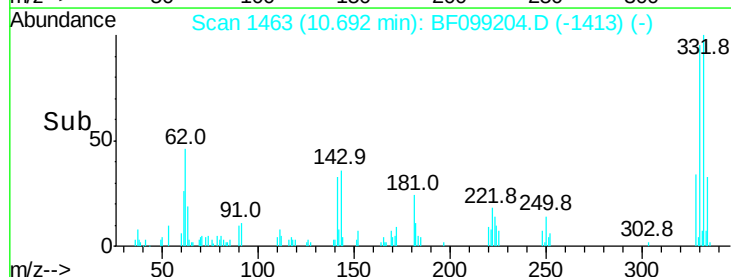
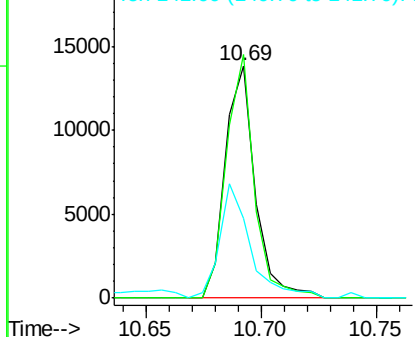


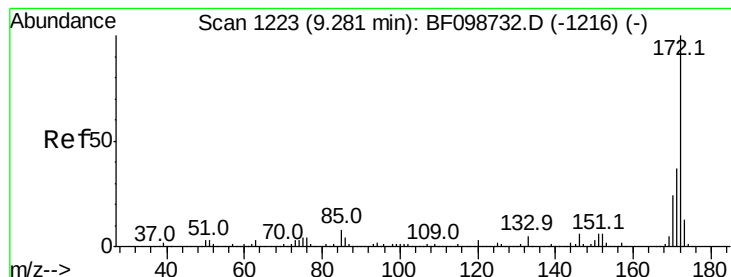
#41
 2,4,6-Tribromophenol
 Concen: 8.849 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Tgt Ion:330 Resp: 12488
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 50.5 29.9 44.9#



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





#44

2-Fluorobiphenyl

Concen: 10.435 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

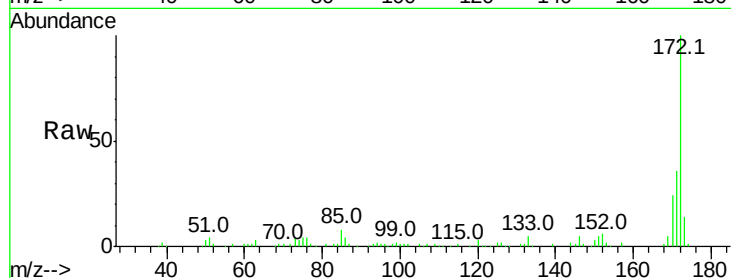
Tot Ion:172 Resp: 107805

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

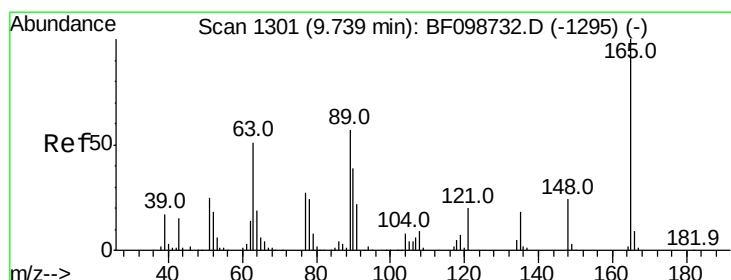
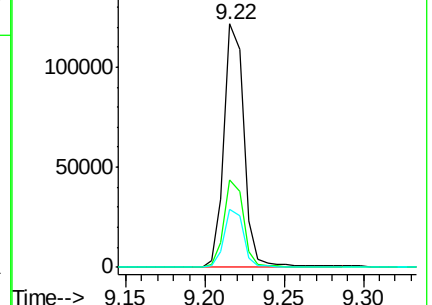
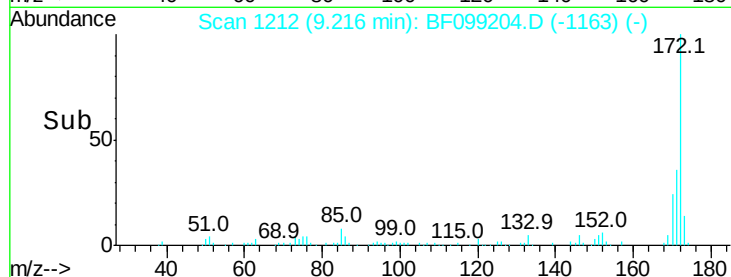
170 24.1 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 8.001 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.21 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

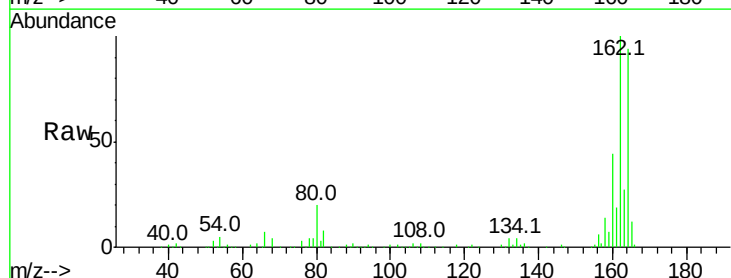
Tgt Ion:165 Resp: 22675

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

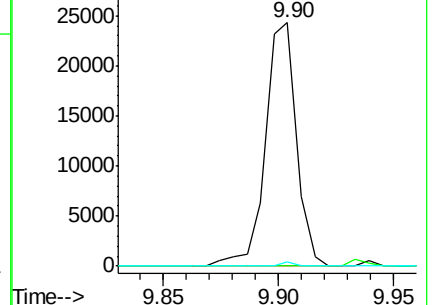
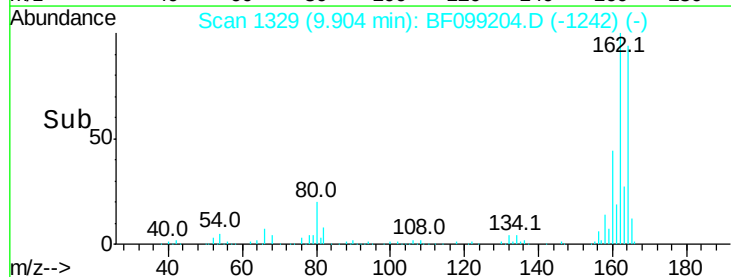
89 1.6 44.0 66.0#

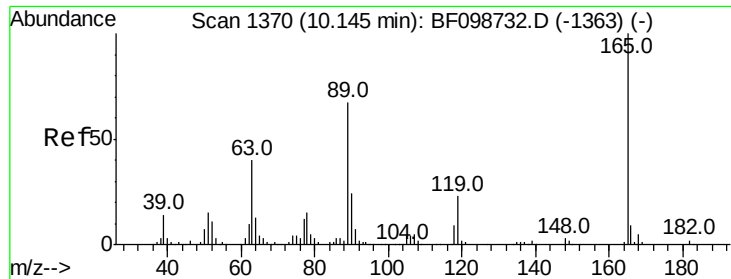


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

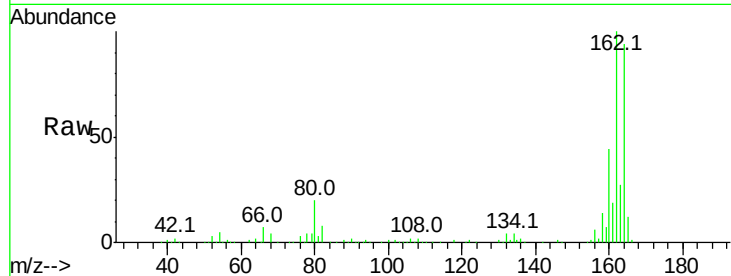




#56
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	22675
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#

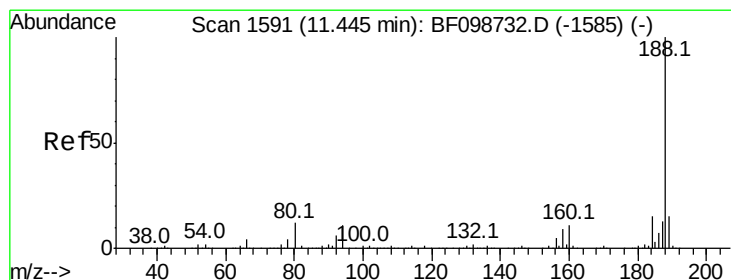
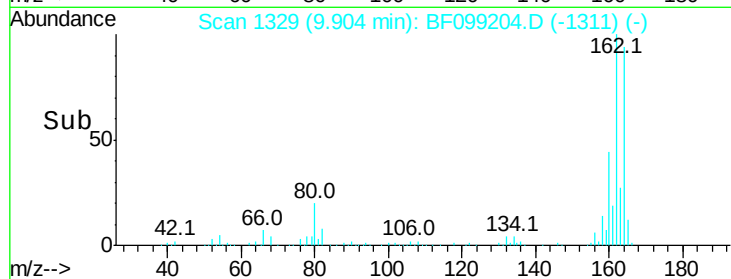
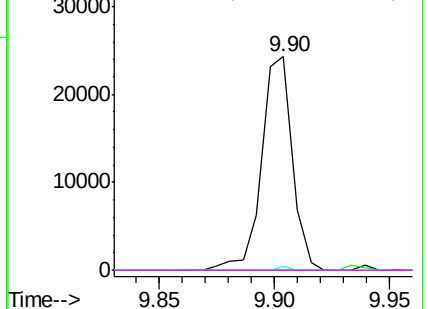


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

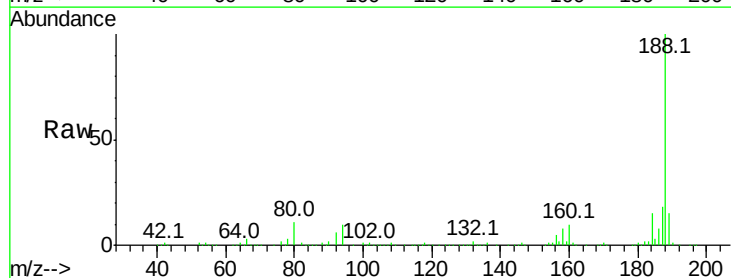
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

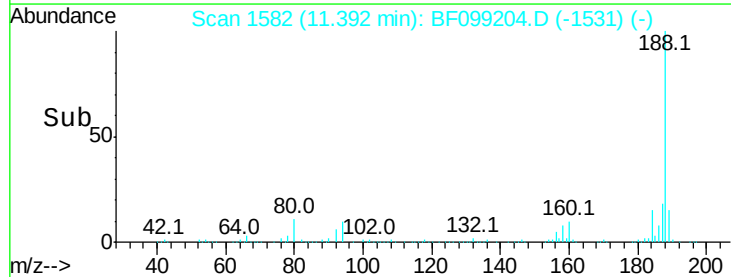
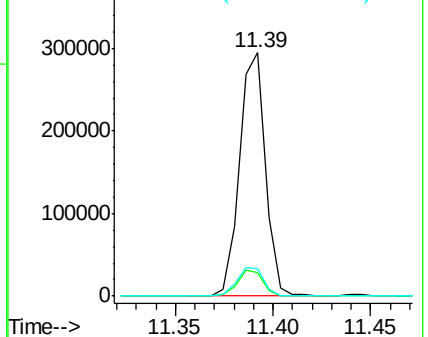
Tgt Ion:188	Resp:	270824
Ion Ratio	Lower	Upper
188	100	
94	9.8	8.5 12.7
80	11.0	9.2 13.8

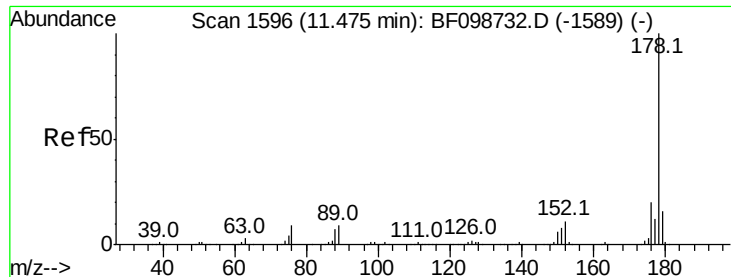


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 13.946 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

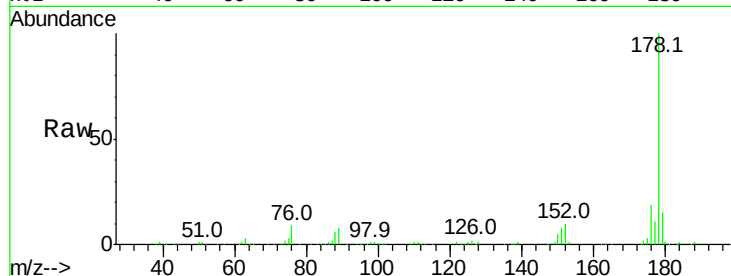
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 202170

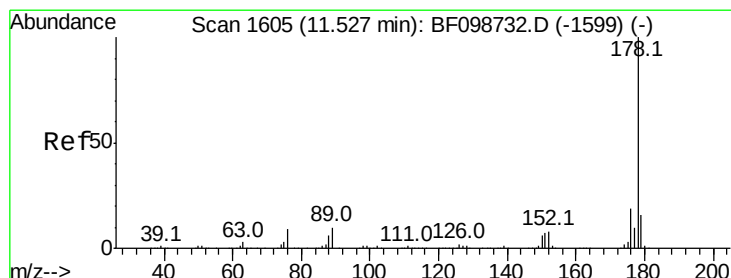
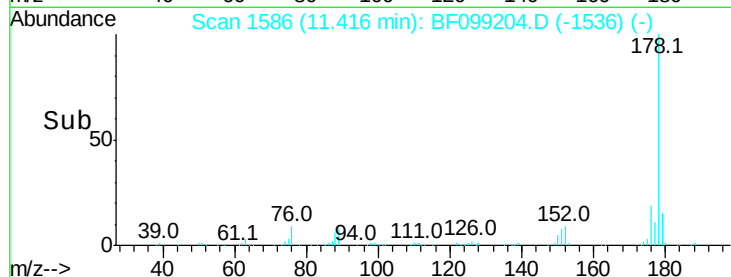
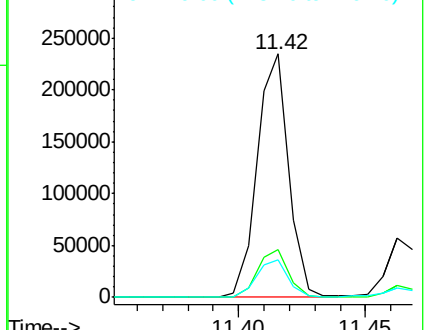
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.158 ng

RT: 11.46 min Scan# 1594

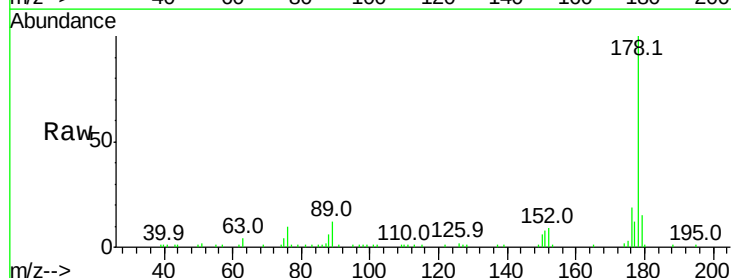
Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:178 Resp: 46843

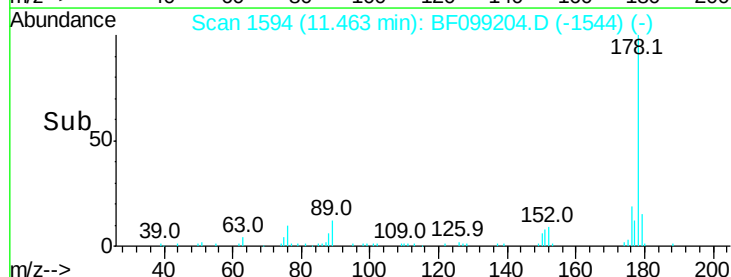
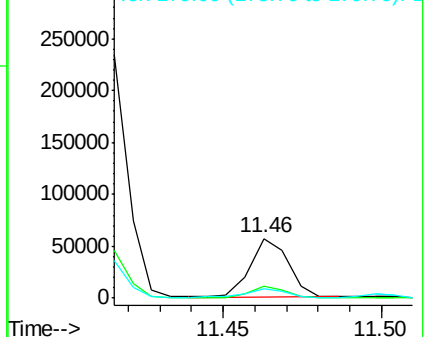
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.0	12.6	19.0

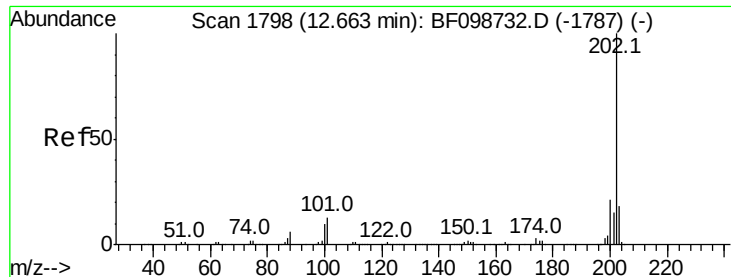


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 26.321 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

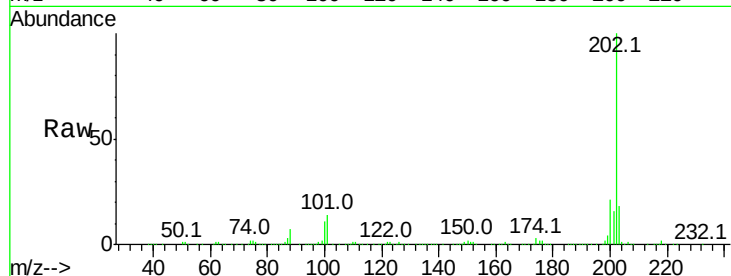
Tot Ion:202 Resp: 386378

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

203 18.2 0.0 38.1

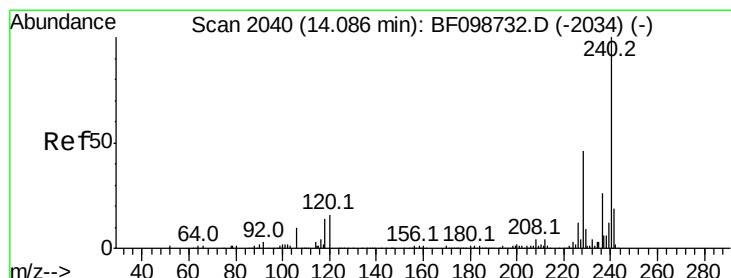
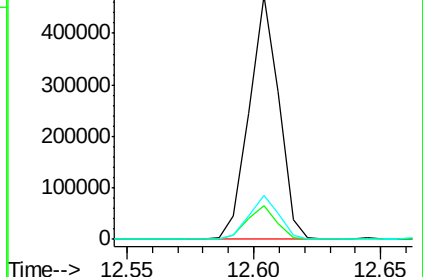
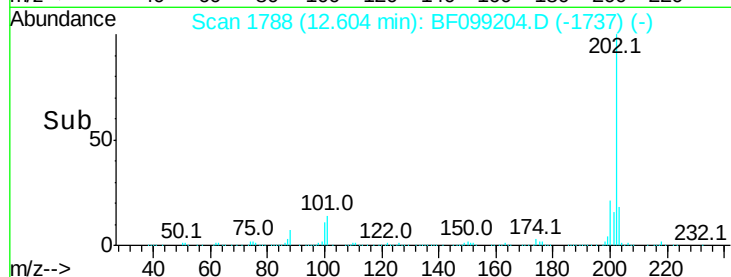


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.60



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

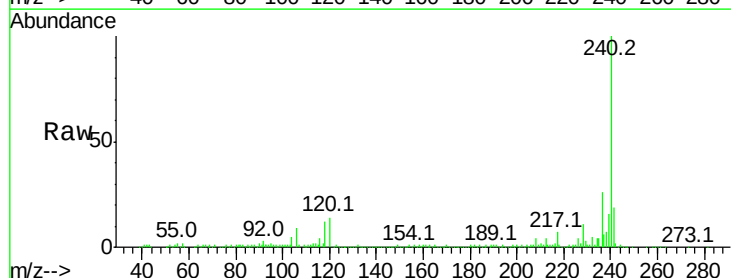
Tgt Ion:240 Resp: 220820

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

236 25.6 20.7 31.1

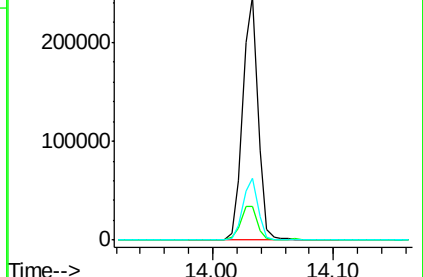
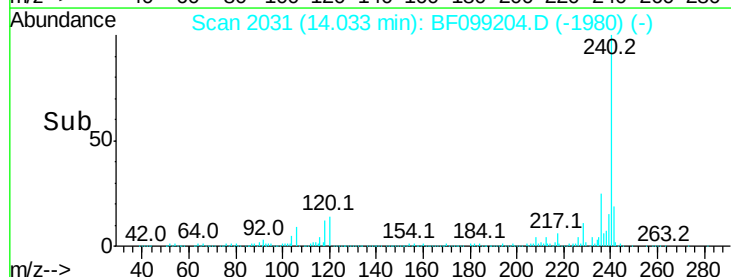


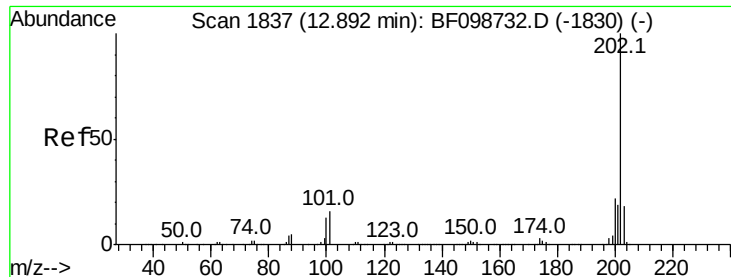
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.03

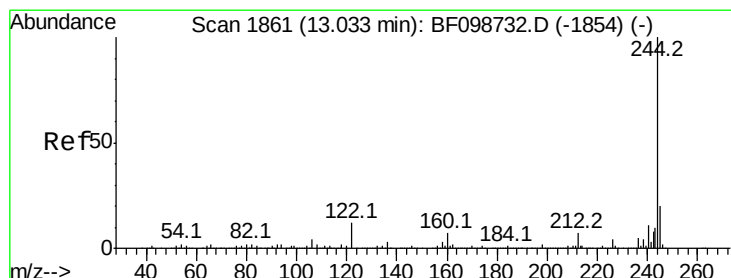
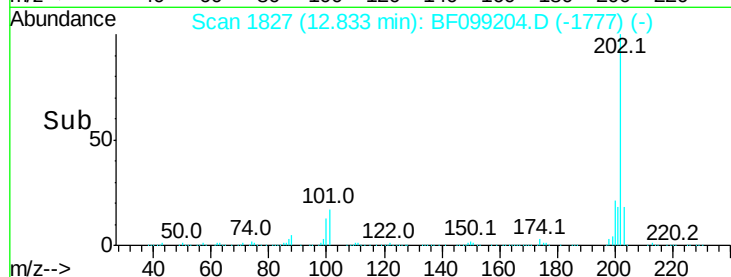
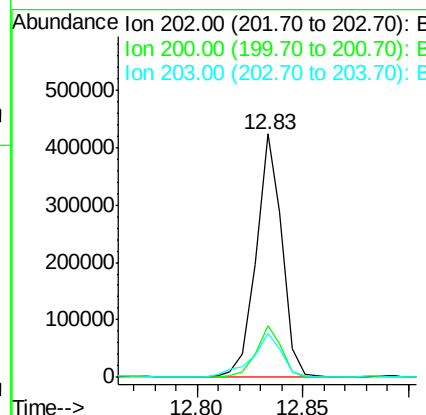
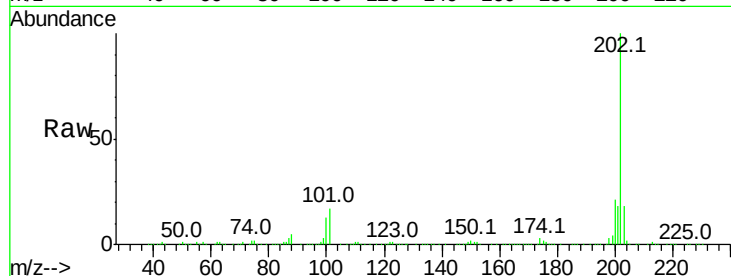




#77
Pvrene
Concen: 21.359 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

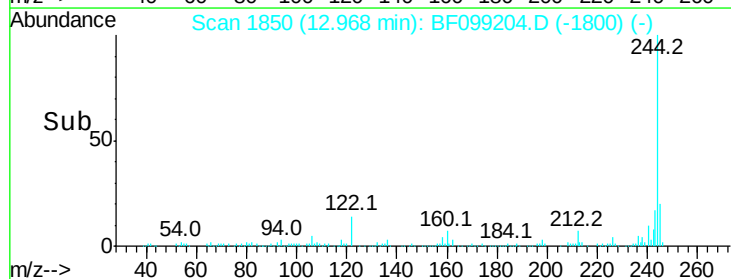
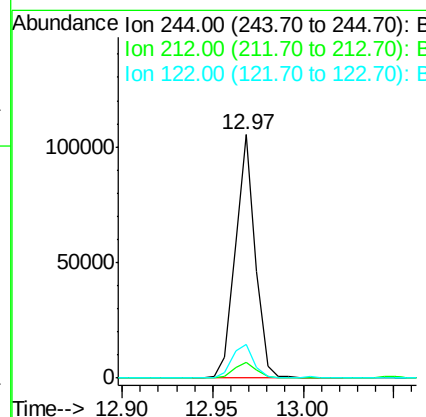
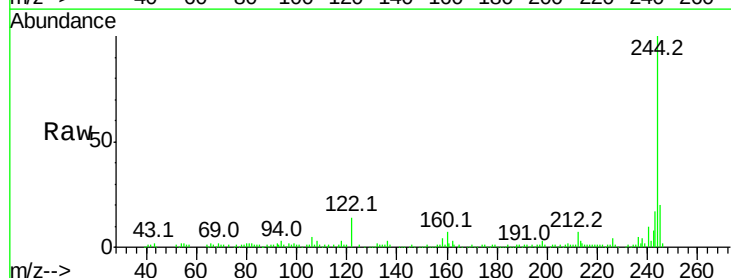
Instrument :
BNA_F
ClientSampleId :

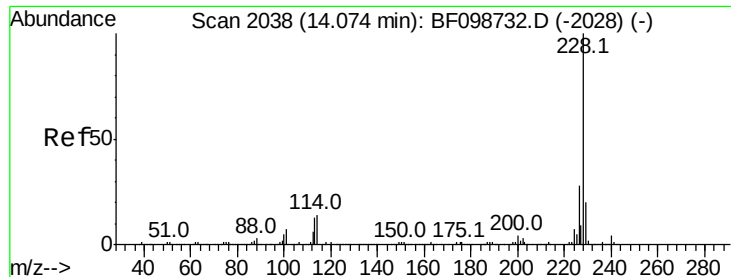
Tot Ion:202 Resp: 359652
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.0 14.3 21.5



#78
Terphenyl-d14
Concen: 8.279 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion:244 Resp: 80388
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 14.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 12.240 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

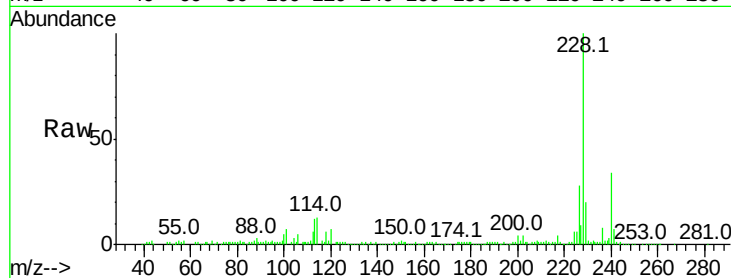
Tot Ion:228 Resp: 163659

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

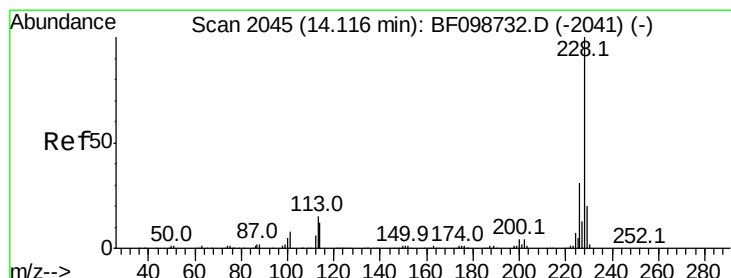
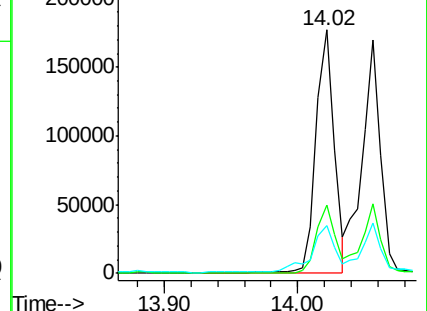
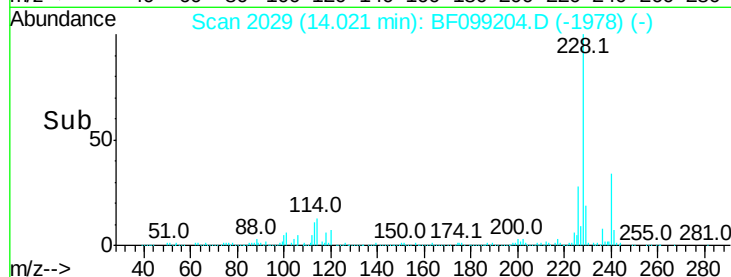
229 19.9 15.8 23.6



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: 11.818 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

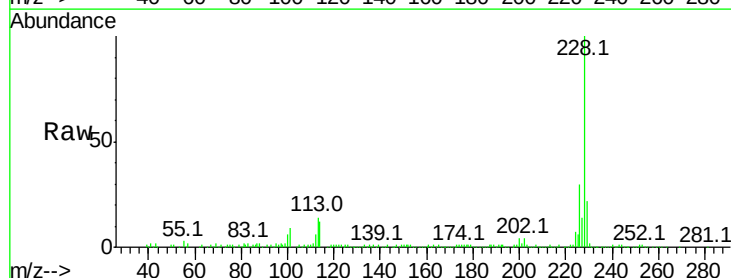
Tgt Ion:228 Resp: 150442

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

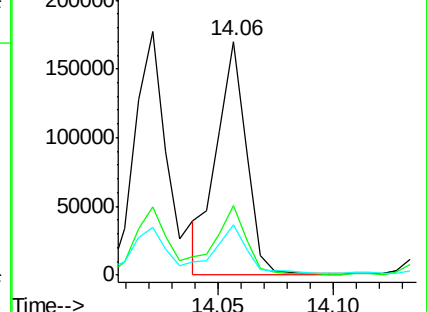
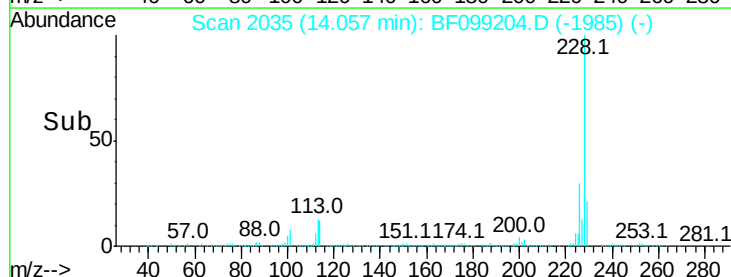
229 21.5 16.2 24.4

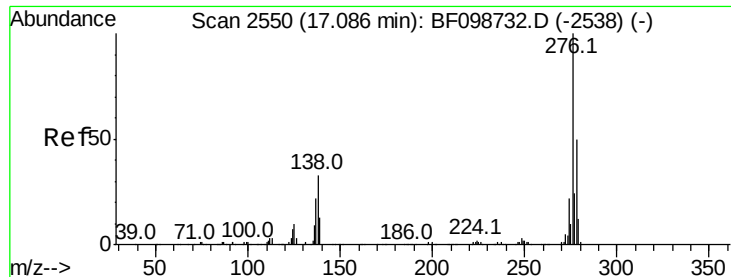


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.139 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

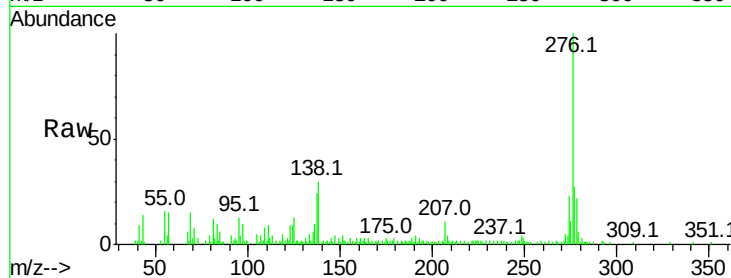
Tot Ion:276 Resp: 62517

Ion Ratio Lower Upper

276 100

138 32.0 25.0 37.6

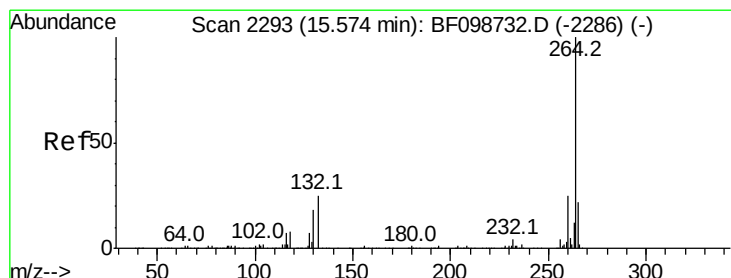
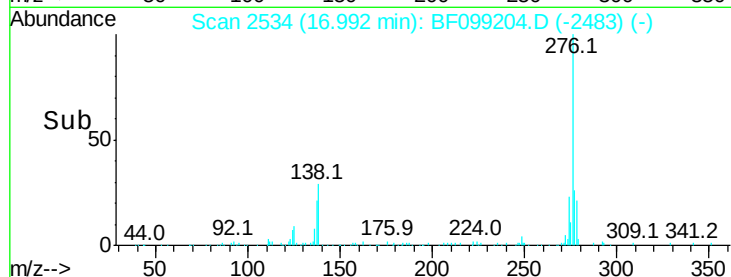
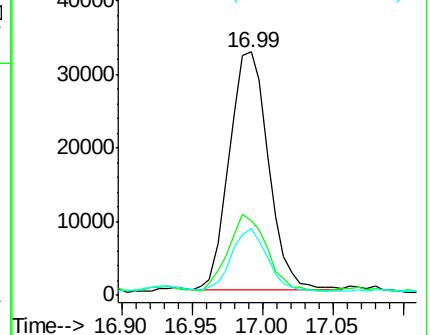
277 24.4 20.1 30.1



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: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

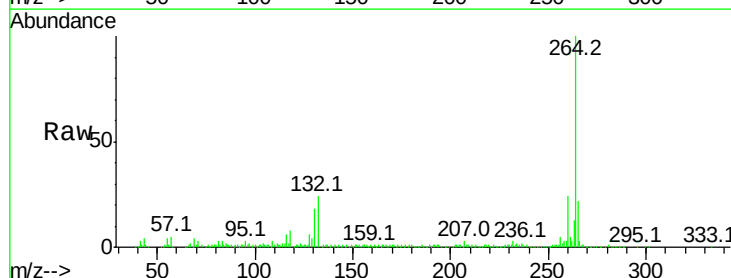
Tgt Ion:264 Resp: 180603

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

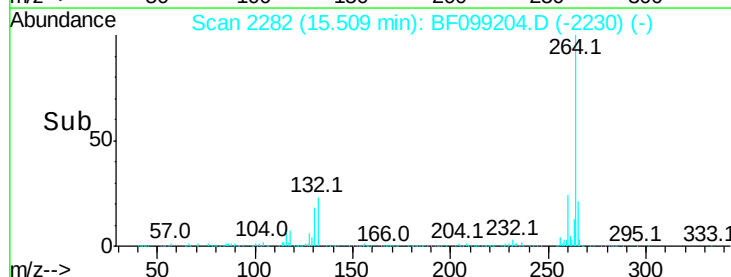
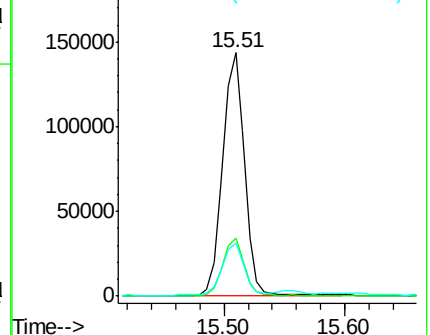
265 21.9 17.5 26.3

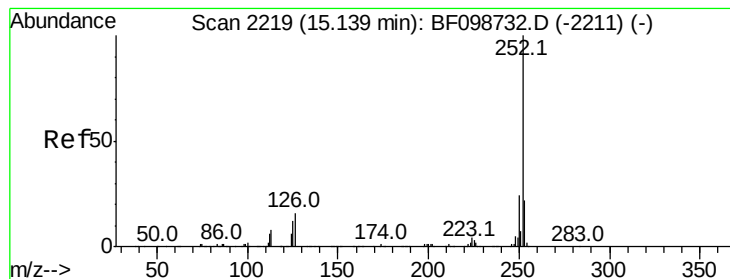


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.251 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

ClientSampleId :

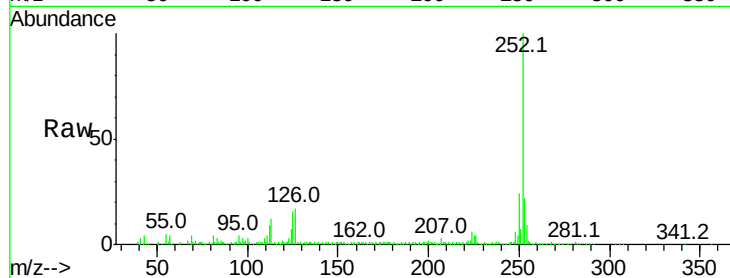
Tot Ion:252 Resp: 224870

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

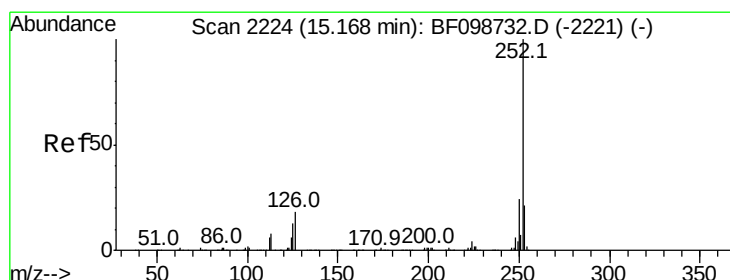
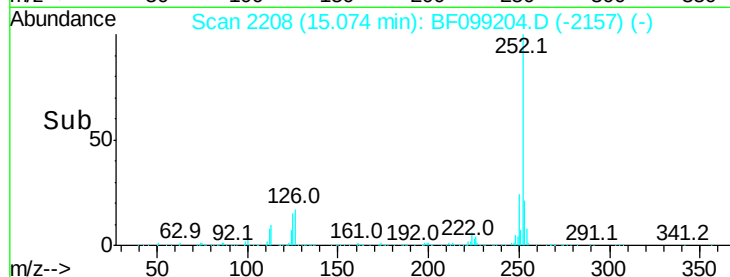
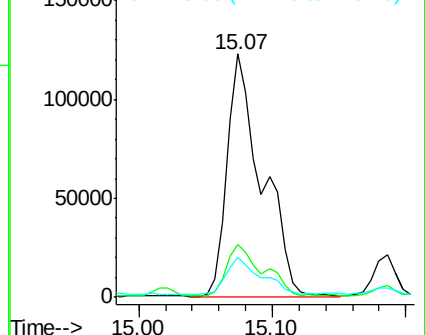
125 16.3 9.0 13.6#



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: 20.503 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

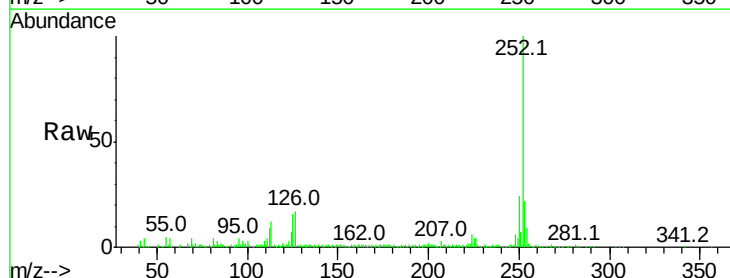
Tgt Ion:252 Resp: 224870

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

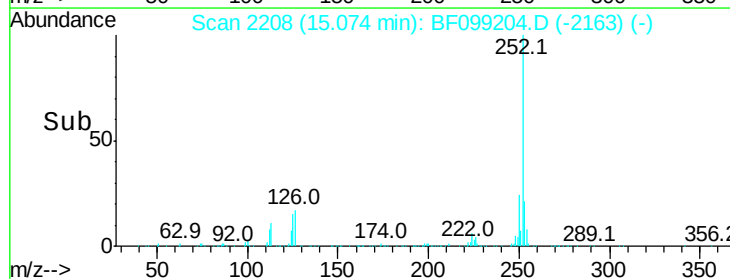
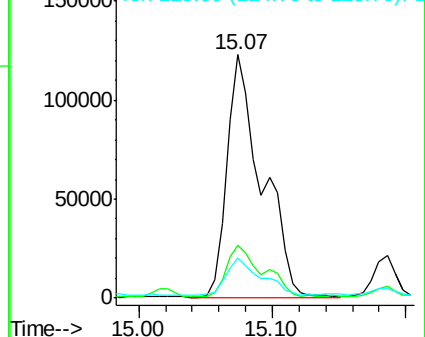
125 16.3 10.2 15.2#

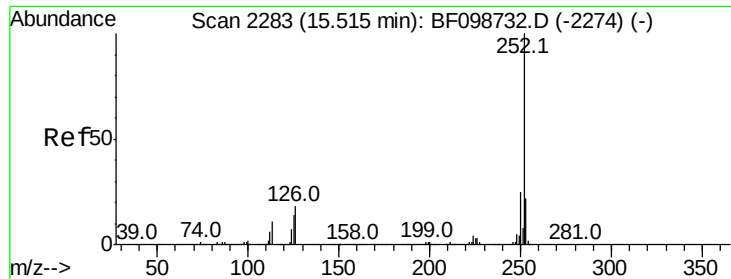


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

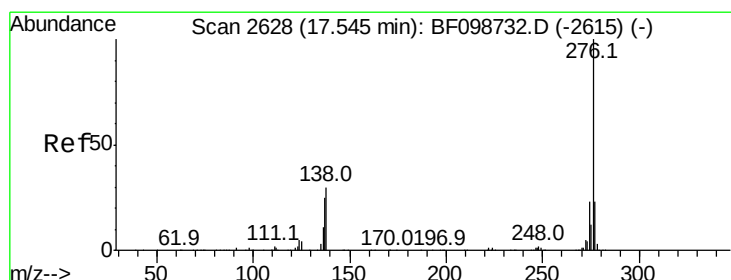
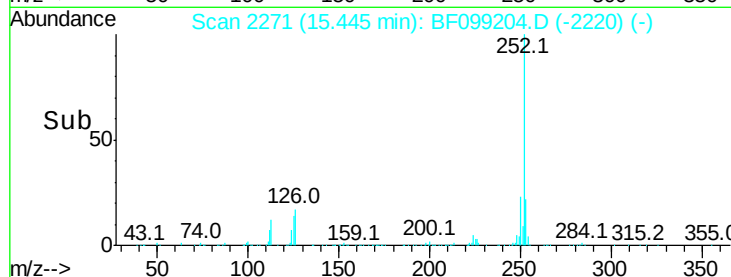
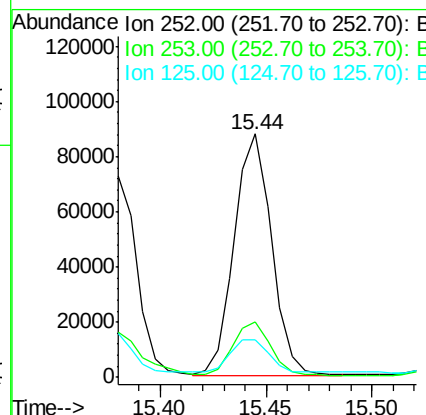
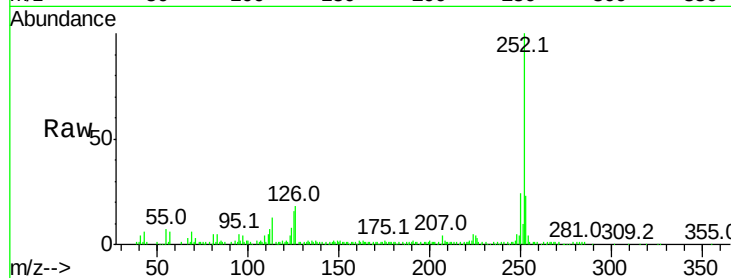




#89
Benzo(a)pyrene
Concen: 10.554 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 107579
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 15.6 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 7.886 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion:276 Resp: 63588
Ion Ratio Lower Upper
276 100
277 23.9 17.9 26.9
138 26.7 21.8 32.8

