

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099322.D
 Acq On : 11 Oct 2017 1:37
 Operator : SJ/JU
 Sample : I5745-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 02:13:09 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

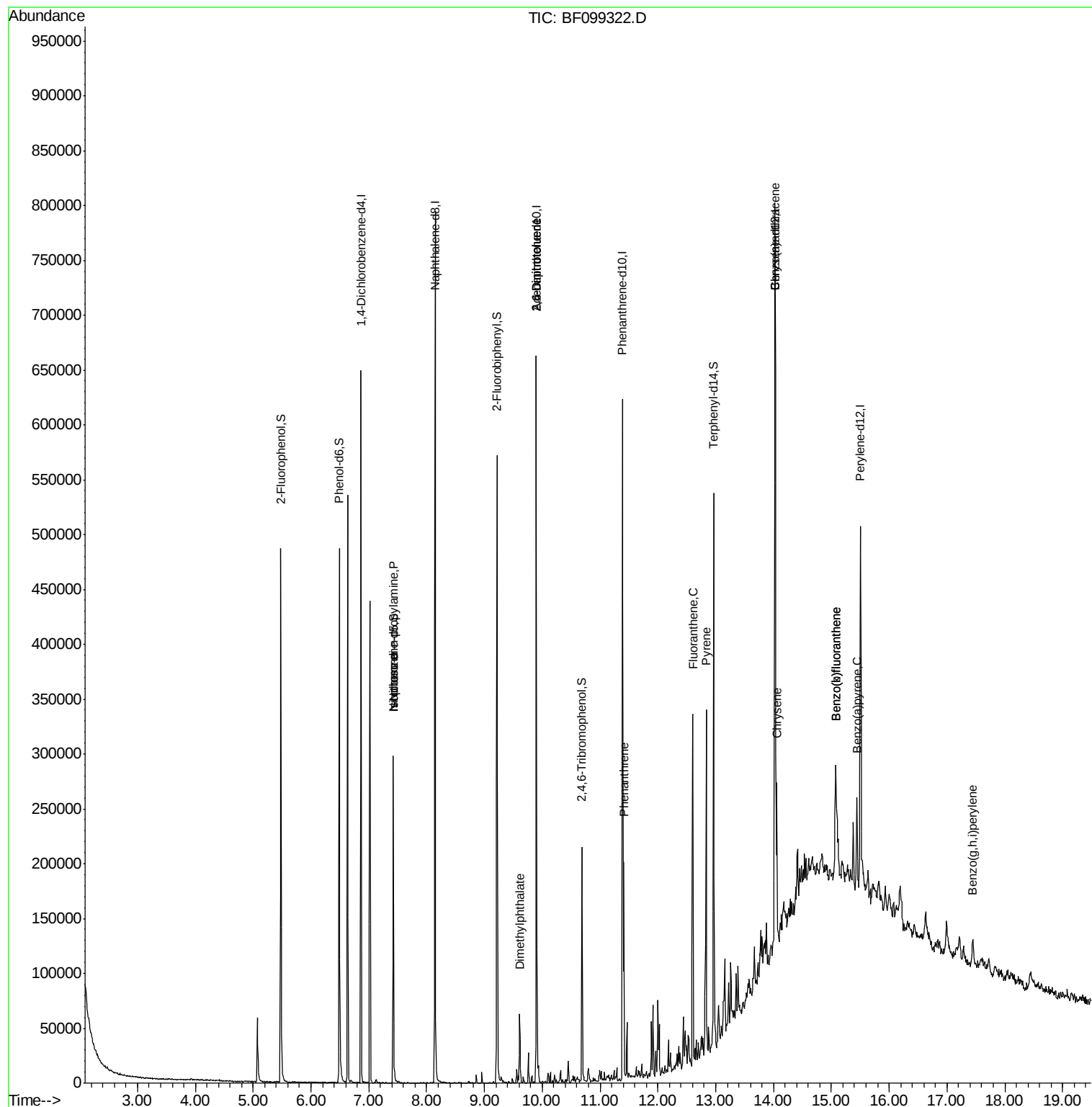
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	94321	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	334792	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	126524	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	209505	20.00	ng	0.00
75) Chrysene-d12	14.03	240	200520	20.00	ng	0.00
86) Perylene-d12	15.50	264	143917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	152367	25.72	ng	0.00
7) Phenol-d6	6.49	99	172178	23.56	ng	-0.01
23) Nitrobenzene-d5	7.42	82	92217	17.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	24031	23.21	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	174984	23.09	ng	-0.01
78) Terphenyl-d14	12.97	244	146421	16.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	11160	2.39	ng	# 80
25) Isophorone	7.42	82	92215	8.54	ng	# 64
49) Dimethylphthalate	9.61	163	27700	2.90	ng	99
50) 2,6-Dinitrotoluene	9.90	165	16392	7.88	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	16392	6.08	ng	# 21
70) Phenanthrene	11.41	178	70140	6.25	ng	97
74) Fluoranthene	12.60	202	127263	11.21	ng	95
77) Pyrene	12.83	202	125283	8.19	ng	99
80) Benzo(a)anthracene	14.02	228	60134	4.95	ng	96
82) Chrysene	14.06	228	60869	5.27	ng	98
87) Benzo(b)fluoranthene	15.07	252	71342	8.06	ng	# 87
88) Benzo(k)fluoranthene	15.07	252	71342	8.16	ng	# 90
89) Benzo(a)pyrene	15.44	252	36710	4.52	ng	# 93
91) Benzo(a,h,i)perylene	17.44	276	19923	3.10	ng	# 87

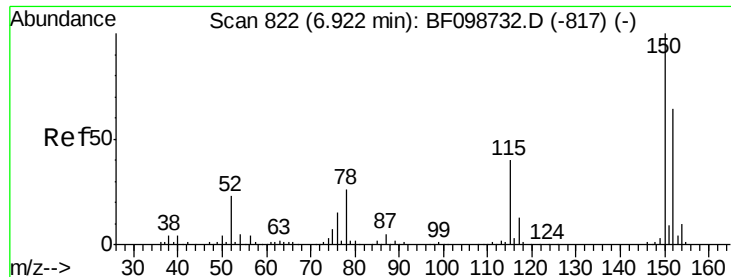
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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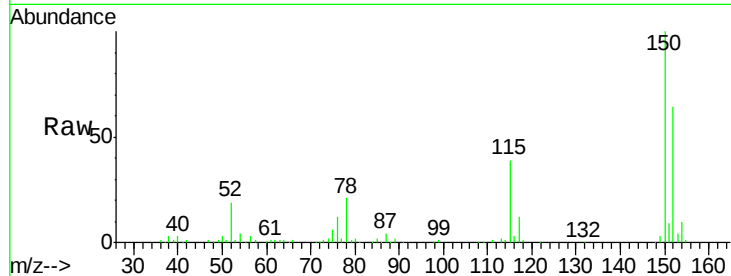


#1

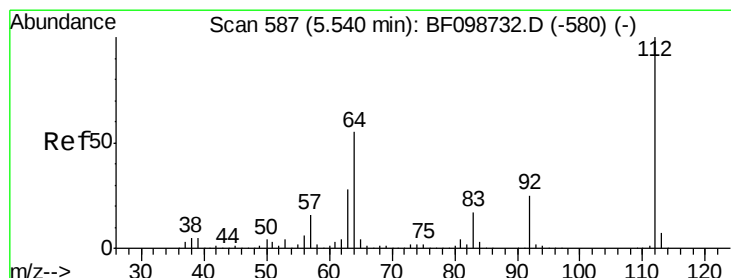
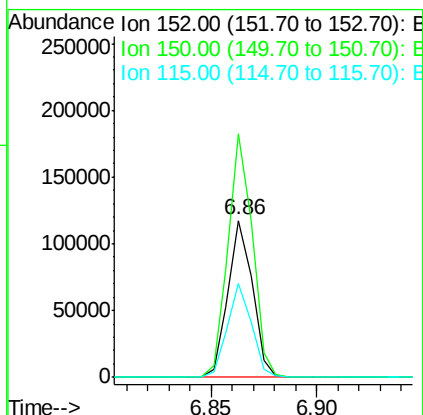
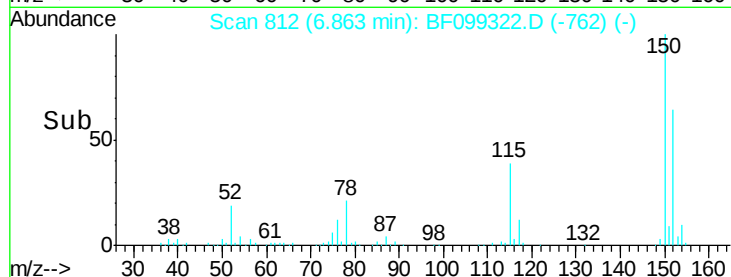
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94321
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 60.1 50.1 75.1



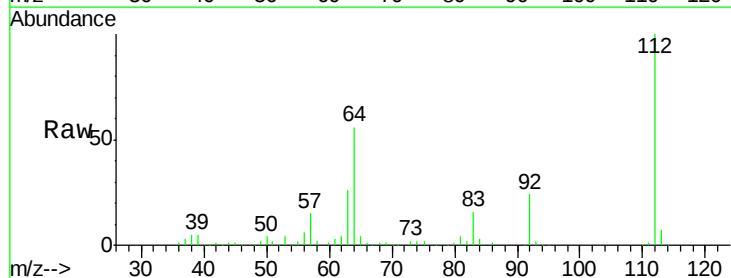
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



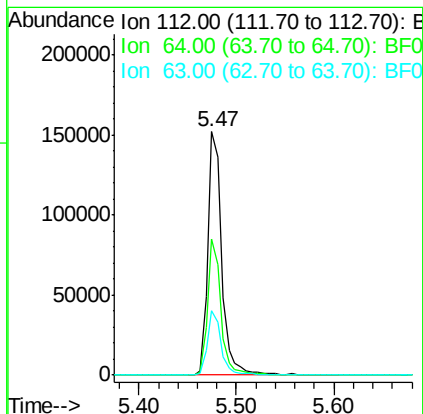
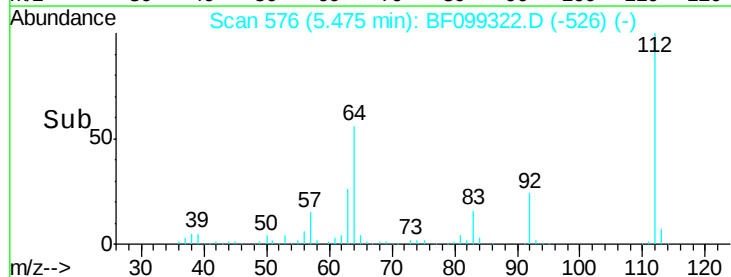
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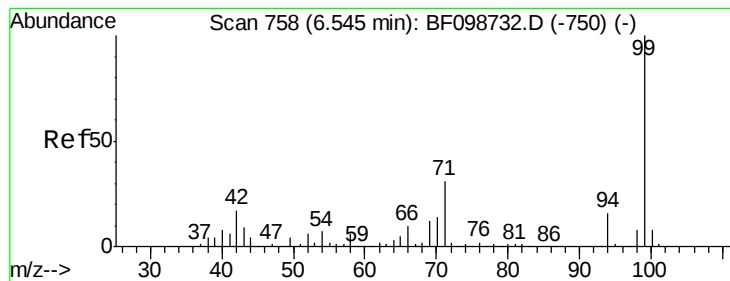
2-Fluorophenol
Concen: 25.72 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Tgt Ion:112 Resp: 152367
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 26.4 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: 23.56 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampled :

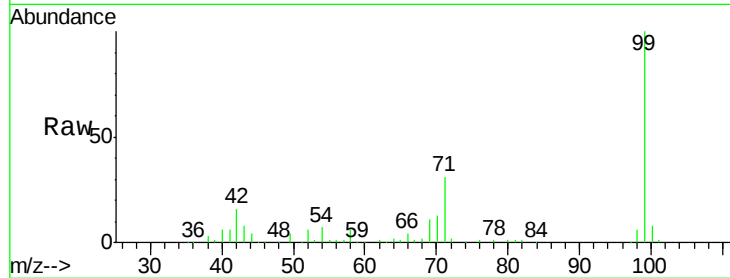
Tot Ion: 99 Resp: 172178

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

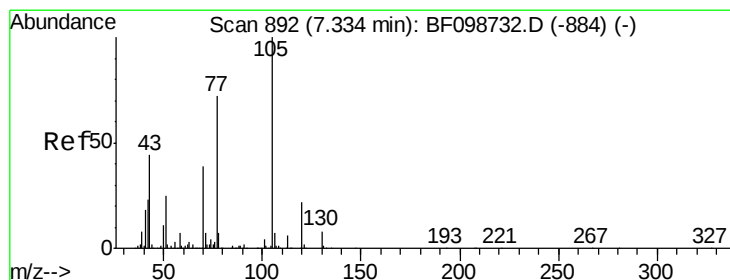
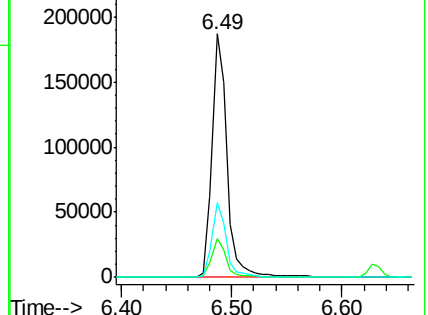
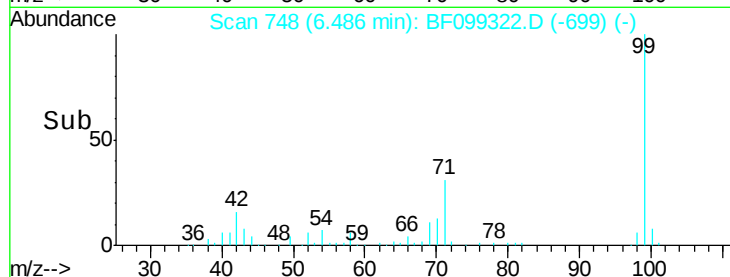
71 30.7 25.4 38.0



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: 2.39 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Tgt Ion: 70 Resp: 11160

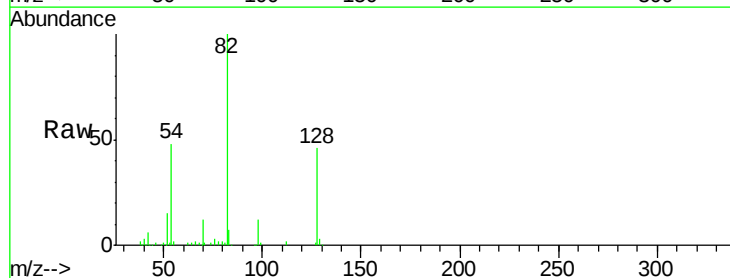
Ion Ratio Lower Upper

70 100

42 48.8 47.5 71.3

101 0.0 7.4 11.2#

130 4.2 16.6 25.0#

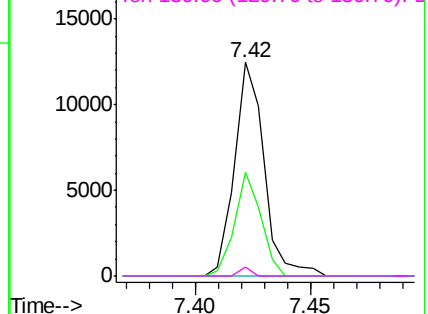
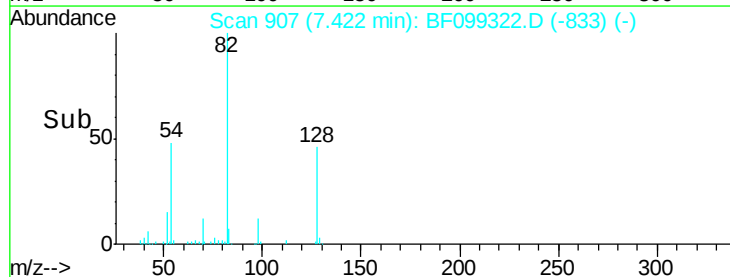


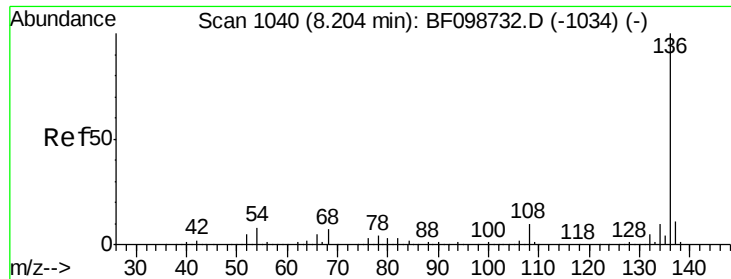
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

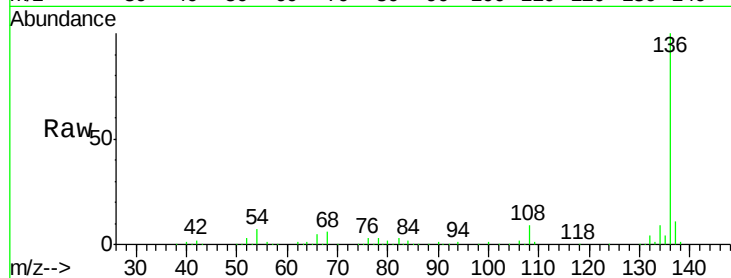




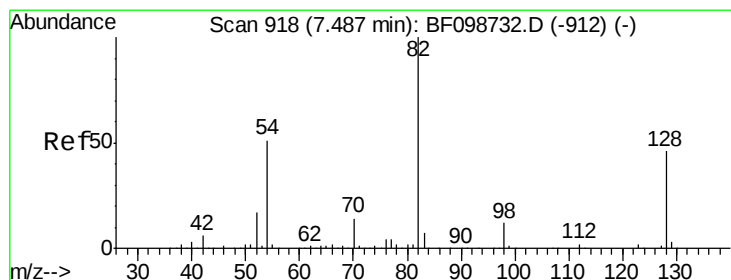
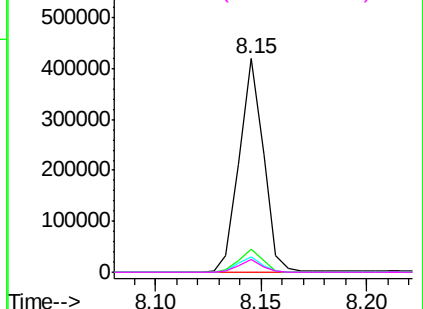
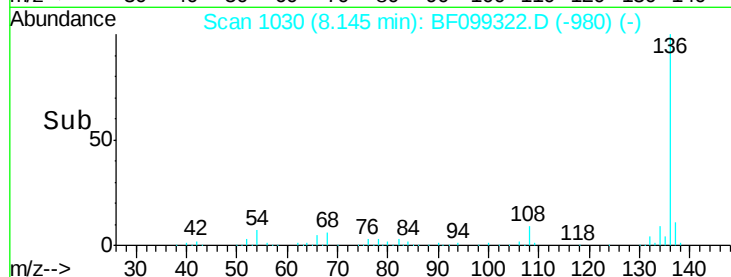
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	334792
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.1	6.6 9.8
68	5.8	5.0 7.4

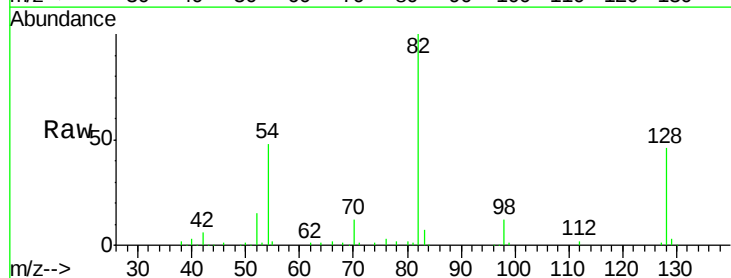


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

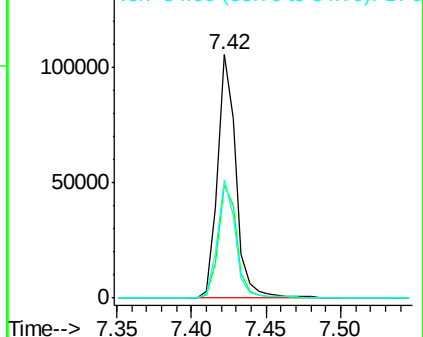
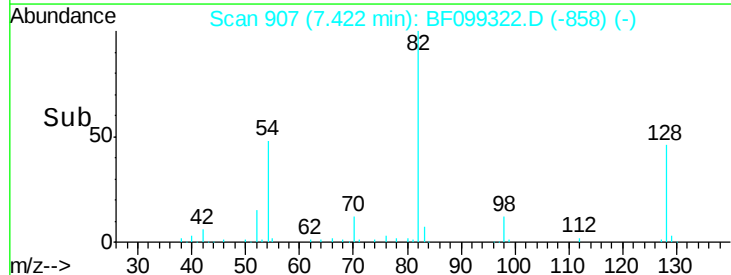


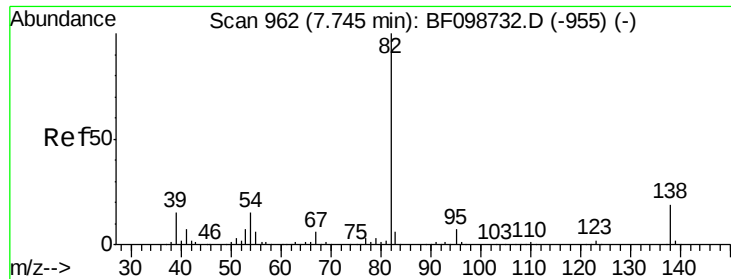
#23
Nitrobenzene-d5
Concen: 17.66 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Tgt Ion: 82	Resp:	92217
Ion Ratio	Lower	Upper
82	100	
128	46.3	36.1 54.1
54	48.4	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: 8.54 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampleId :

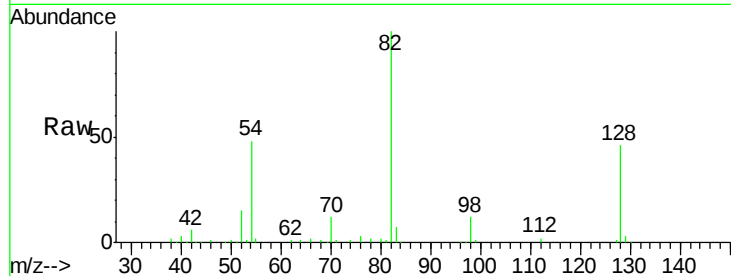
Tot Ion: 82 Resp: 92215

Ion Ratio Lower Upper

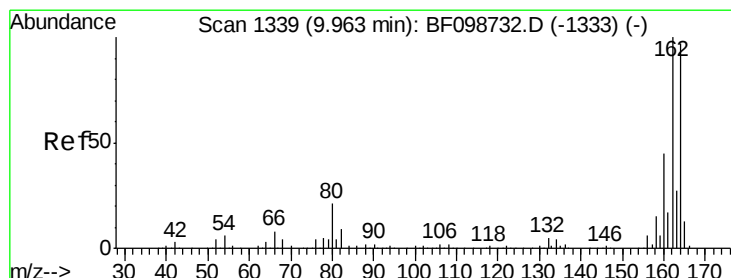
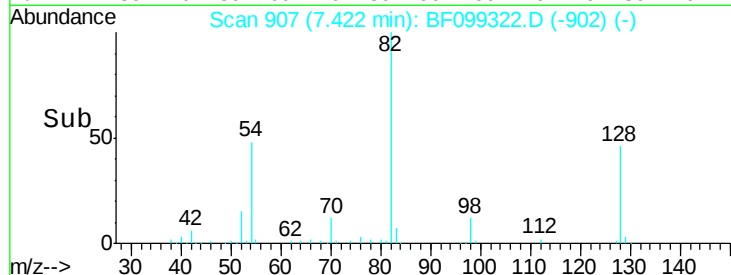
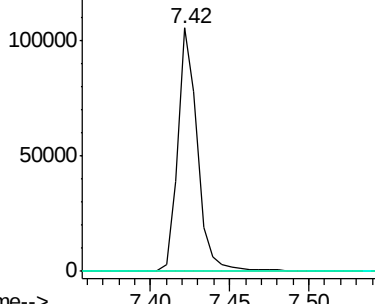
82 100

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: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

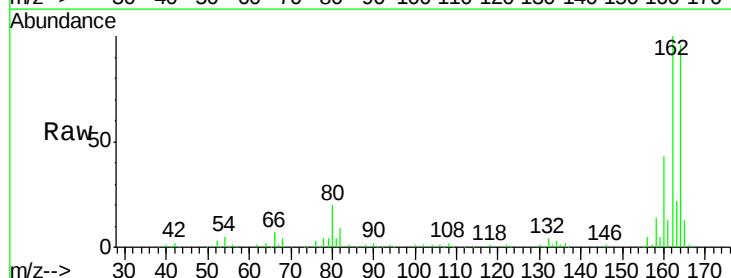
Tgt Ion: 164 Resp: 126524

Ion Ratio Lower Upper

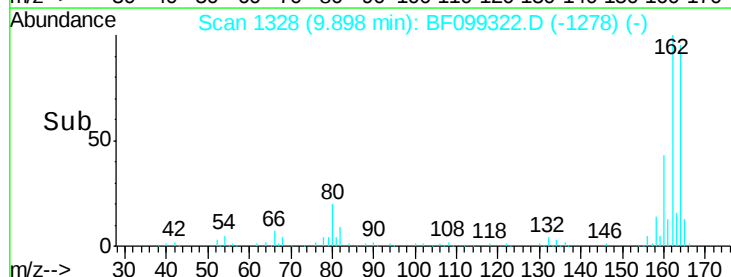
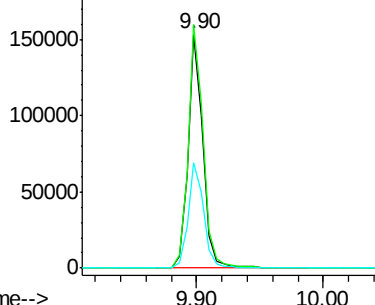
164 100

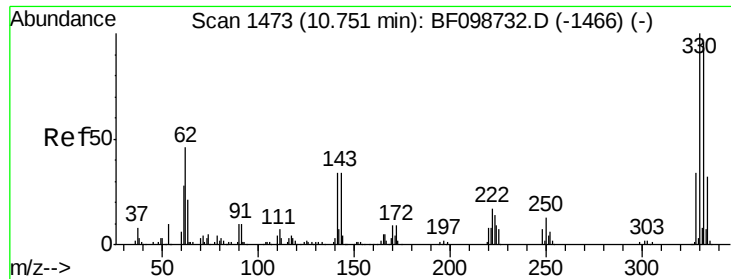
162 104.3 86.1 129.1

160 45.1 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

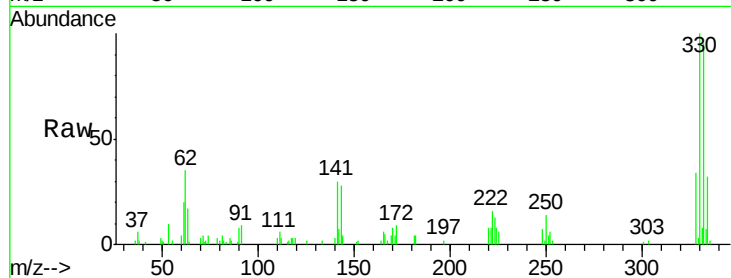




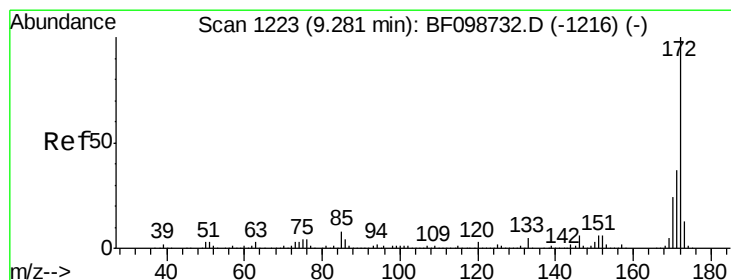
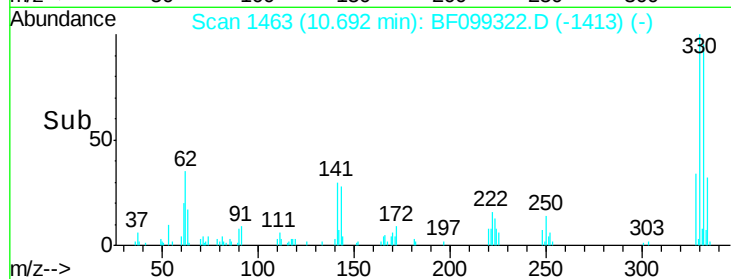
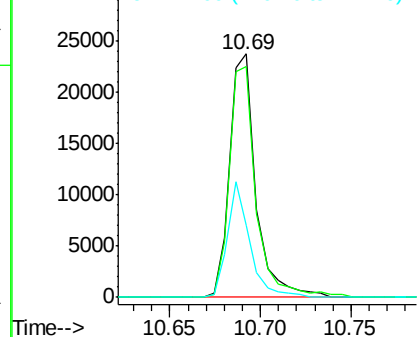
#41
 2,4,6-Tribromophenol
 Concen: 23.21 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24031
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 40.4 29.9 44.9

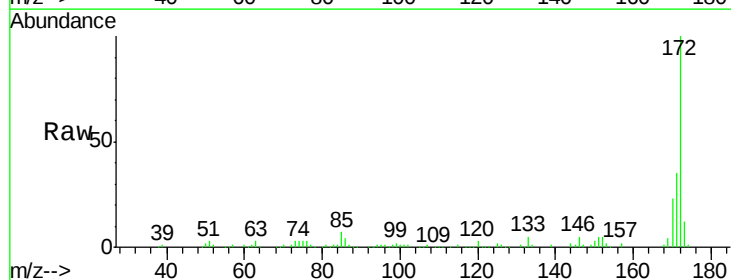


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

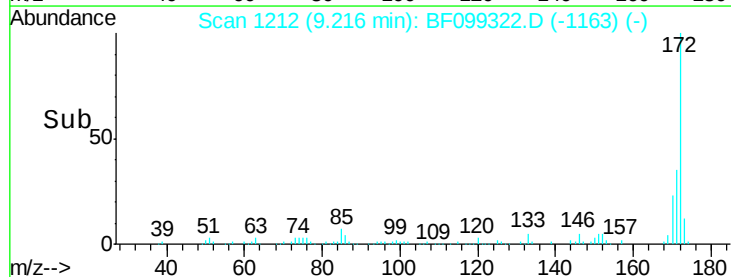
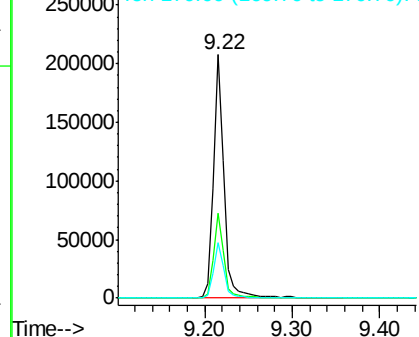


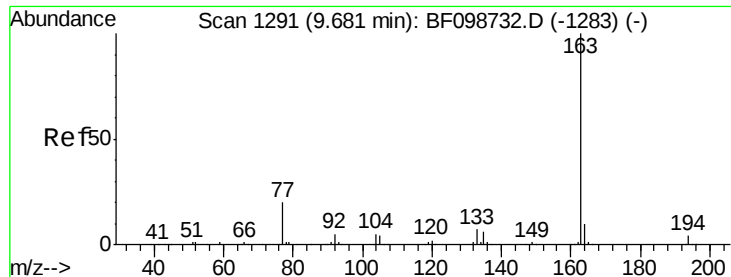
#44
 2-Fluorobiphenyl
 Concen: 23.09 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

Tgt Ion:172 Resp: 174984
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 22.7 19.6 29.4



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

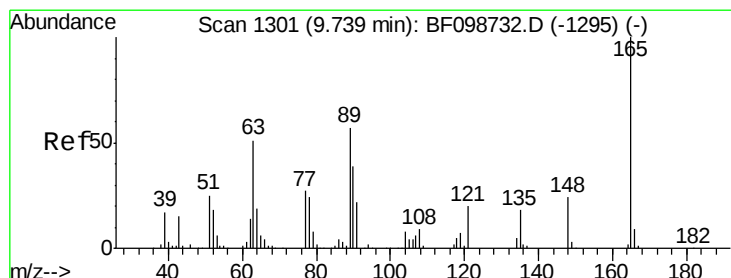
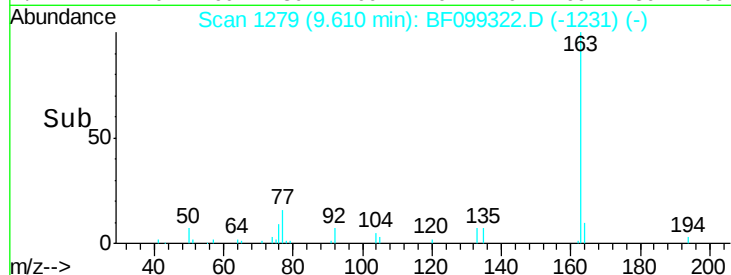
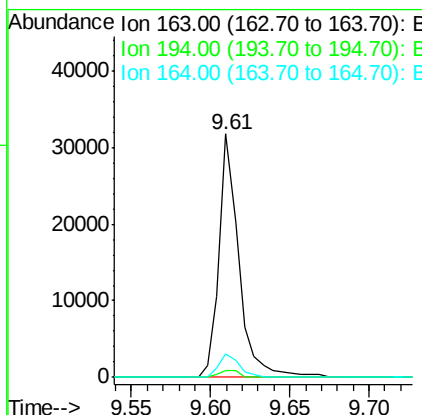
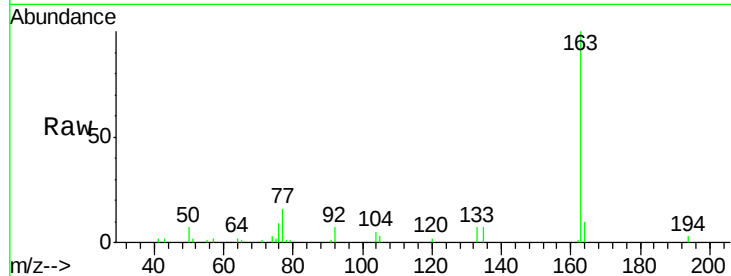




#49
Dimethylphthalate
Concen: 2.90 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

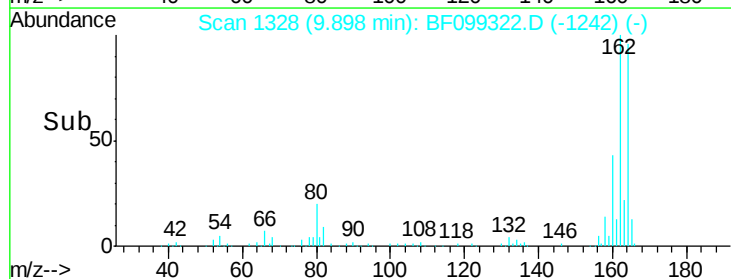
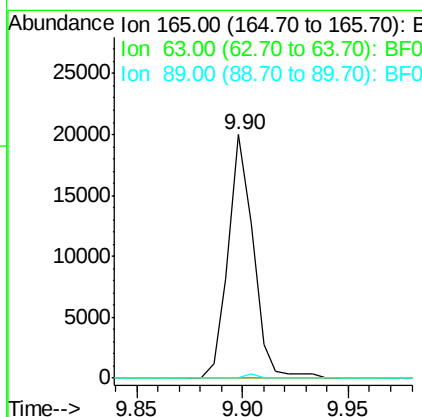
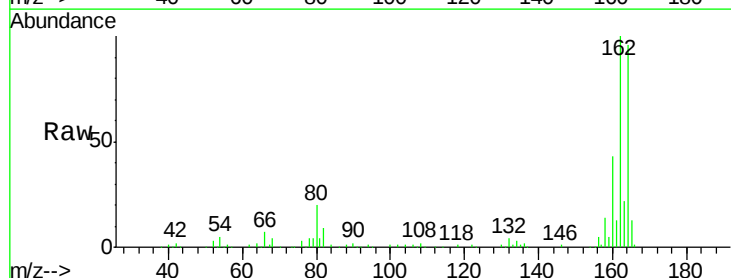
Instrument :
BNA_F
ClientSampleId :

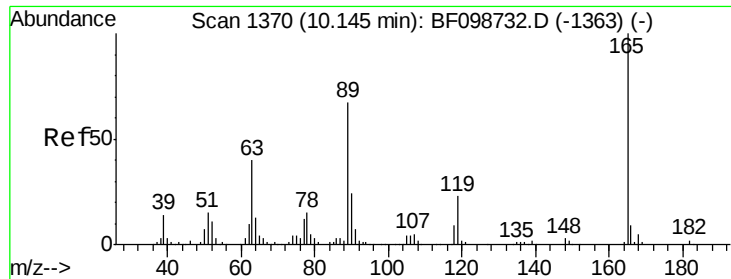
Tot Ion:163 Resp: 27700
Ion Ratio Lower Upper
163 100
194 2.8 2.7 4.1
164 9.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Tgt Ion:165 Resp: 16392
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

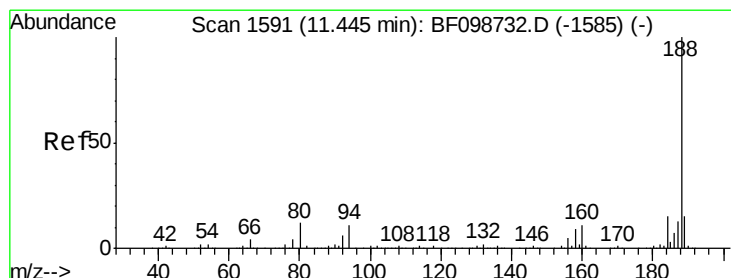
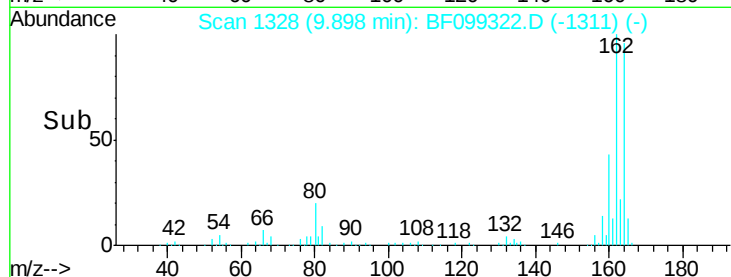
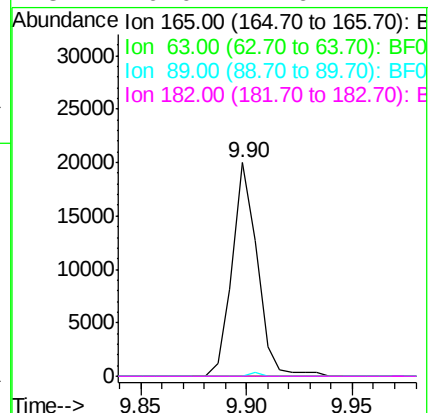
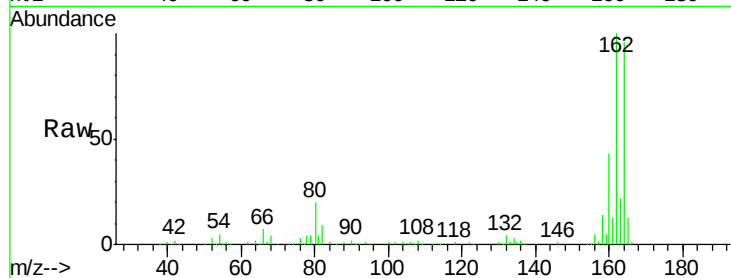




#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

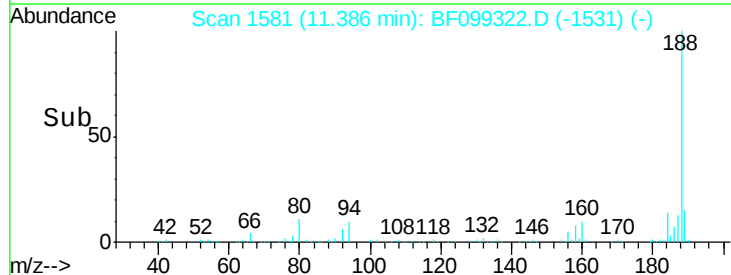
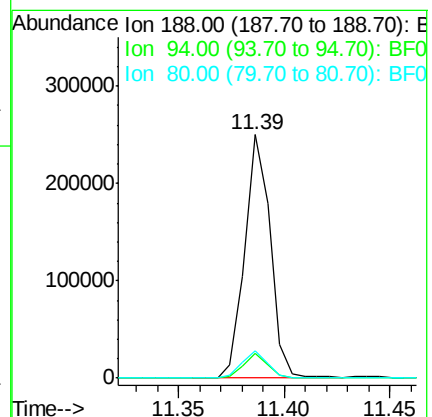
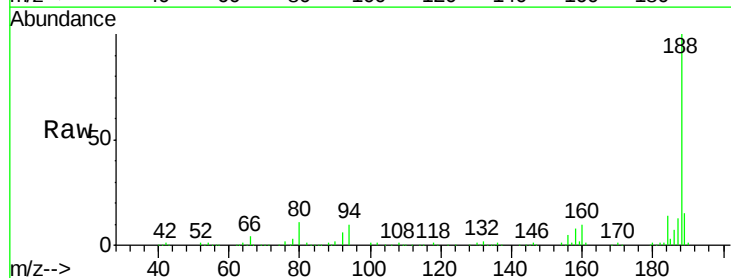
Instrument :
 BNA_F
 ClientSampleId :

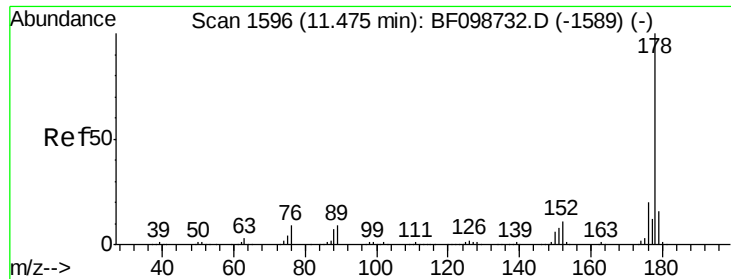
Tot Ion:	165	Resp:	16392
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

Tgt Ion:	188	Resp:	209505
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.3	9.2	13.8





#70

Phenanthrene

Concen: 6.25 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampled :

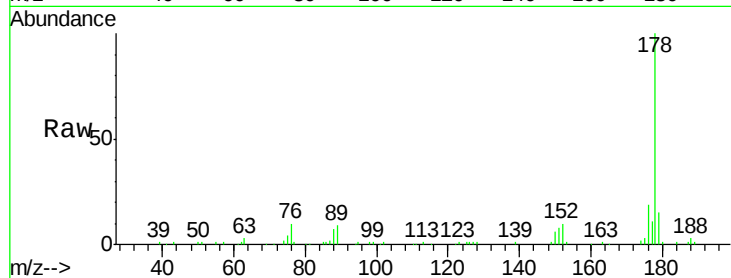
Tot Ion:178 Resp: 70140

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

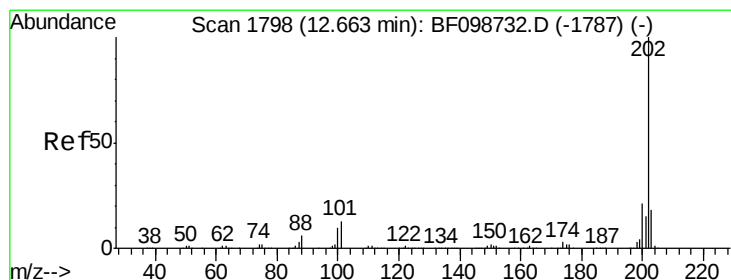
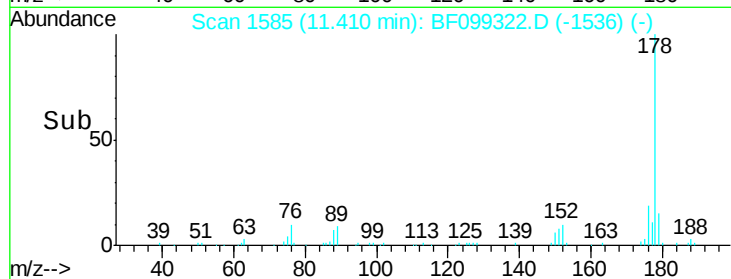
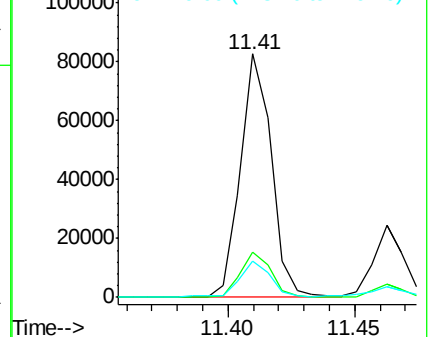
179 14.9 13.0 19.6



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: 11.21 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

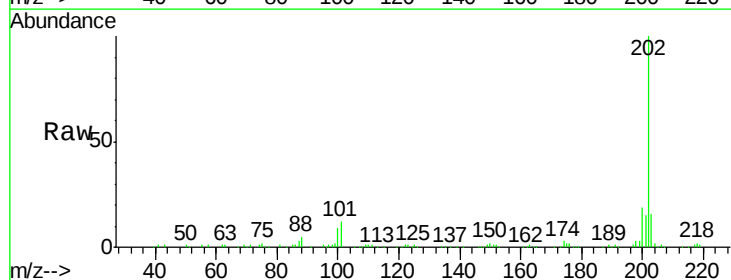
Tgt Ion:202 Resp: 127263

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

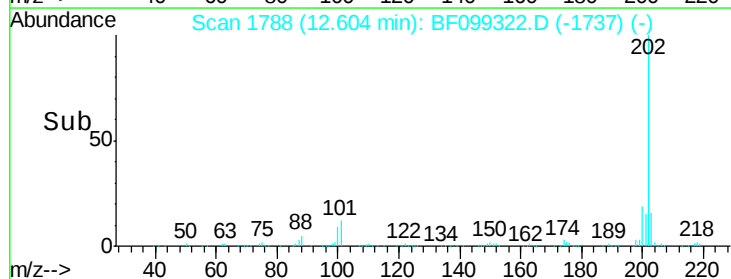
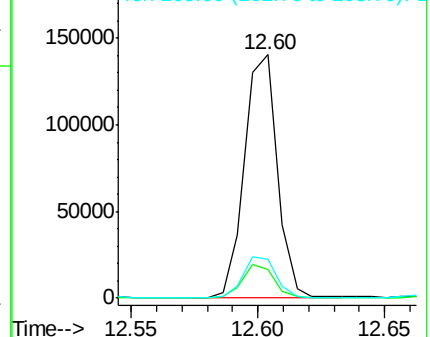
203 16.1 0.0 38.1

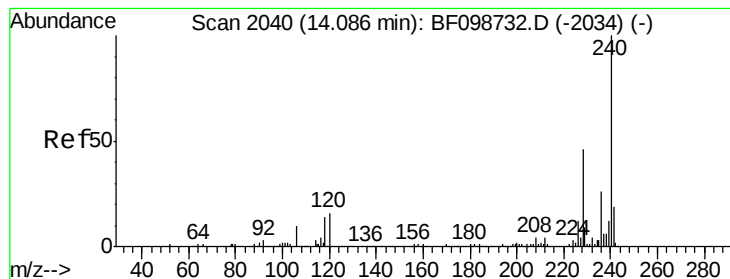


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampled :

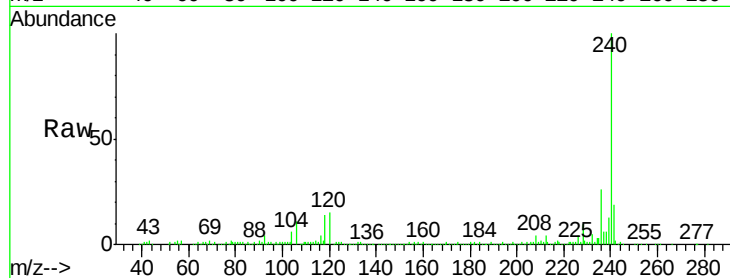
Tot Ion:240 Resp: 200520

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

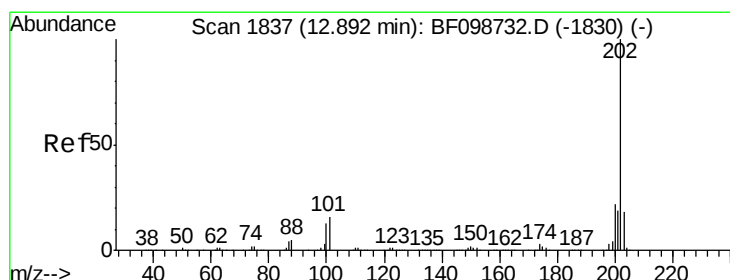
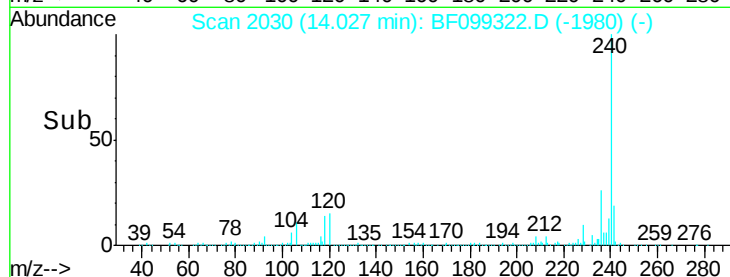
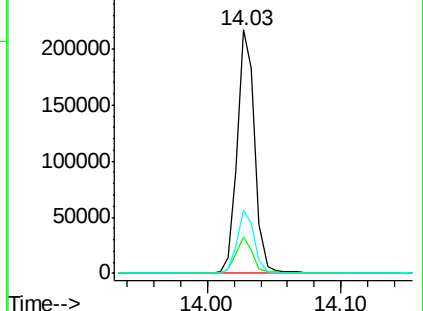
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.19 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

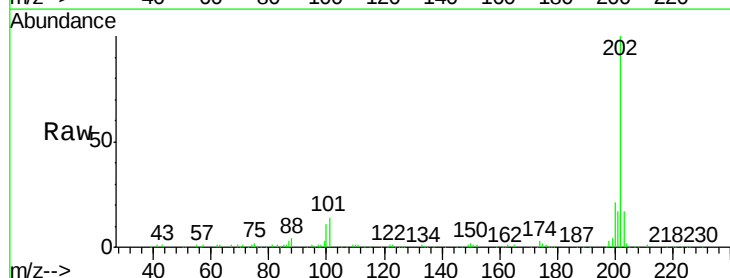
Tgt Ion:202 Resp: 125283

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

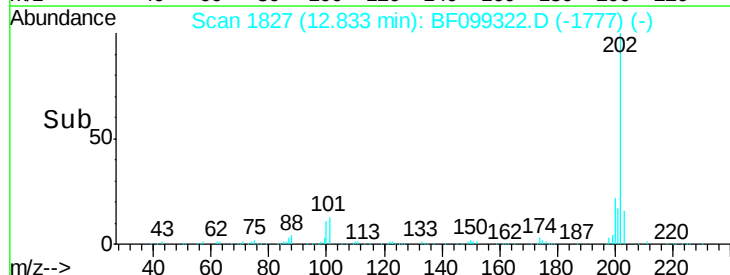
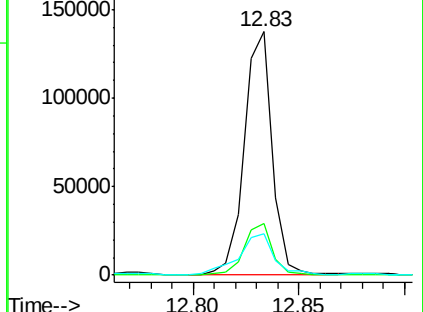
203 16.9 14.3 21.5

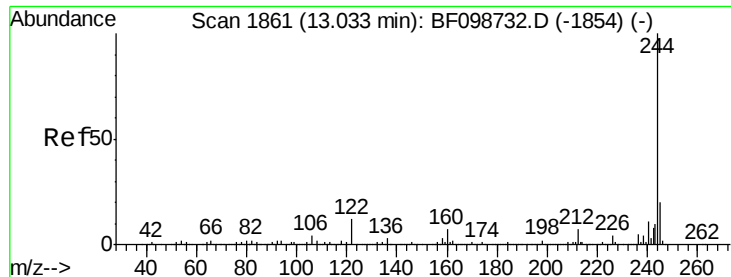


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

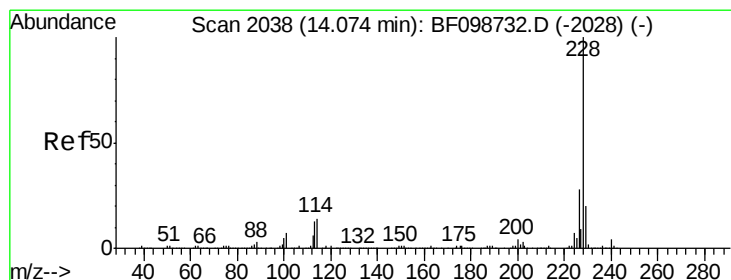
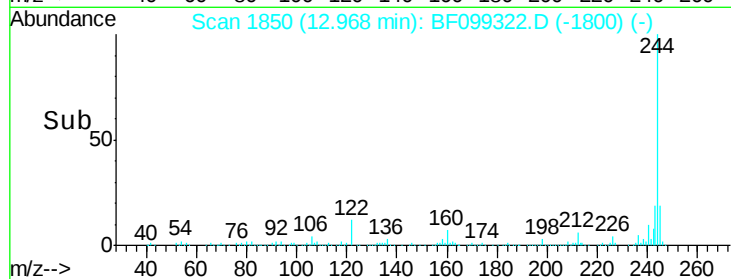
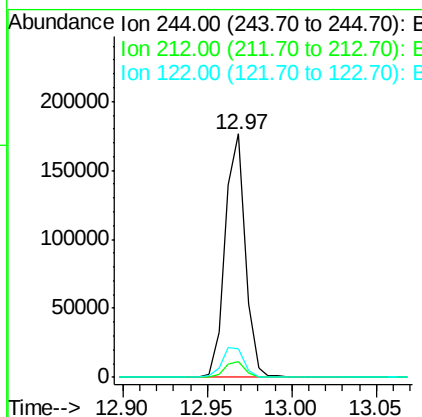
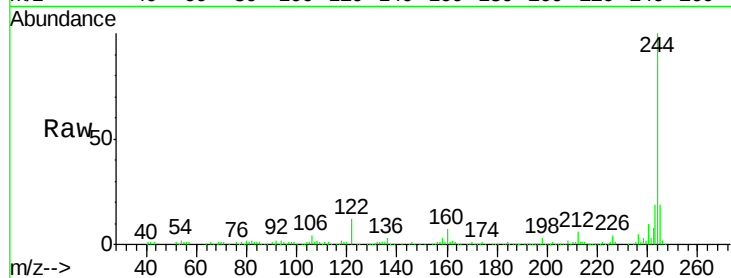




#78
 Terphenyl-d14
 Concen: 16.61 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

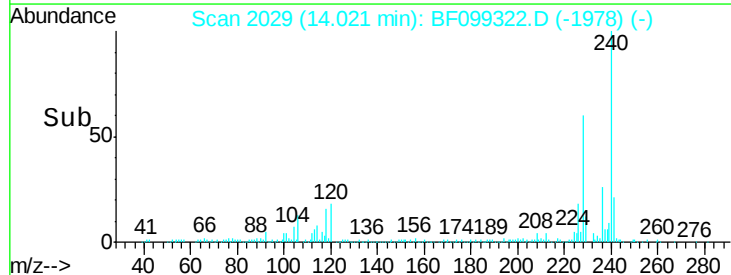
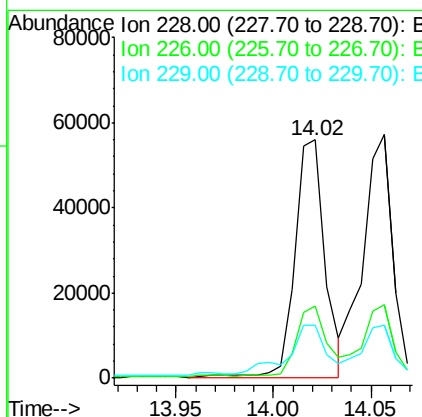
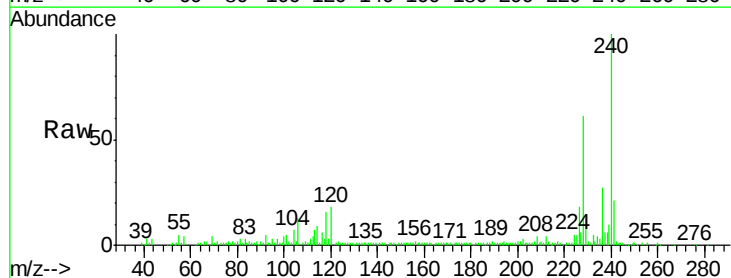
Instrument :
 BNA_F
 ClientSampleId :

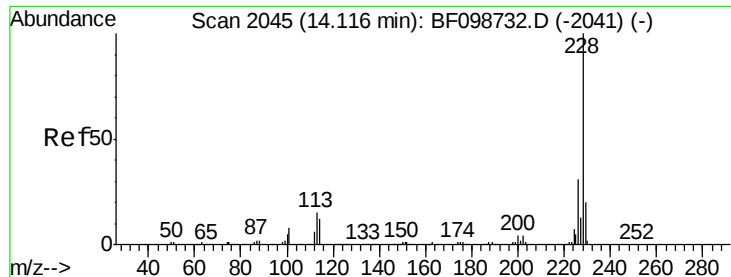
Tot Ion:244 Resp: 146421
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.95 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF099322.D
 Acq: 11 Oct 2017 1:37

Tgt Ion:228 Resp: 60134
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 22.0 15.8 23.6





#82

Chrysene

Concen: 5.27 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampleId :

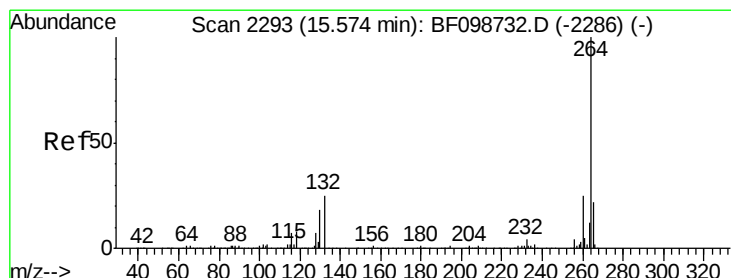
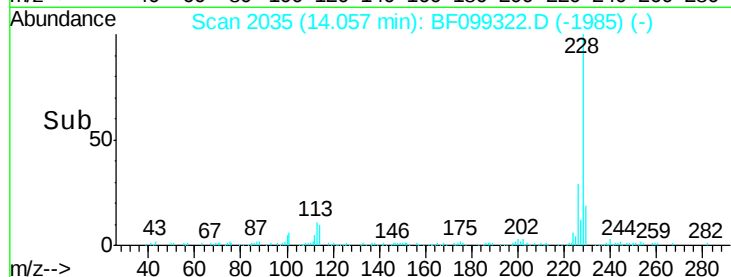
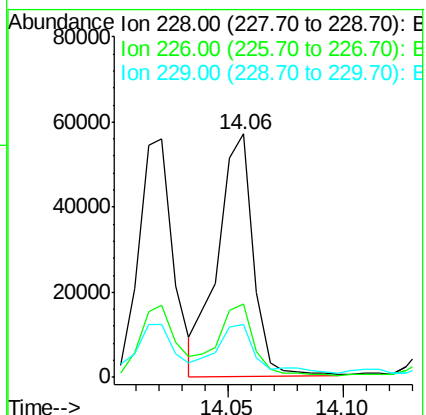
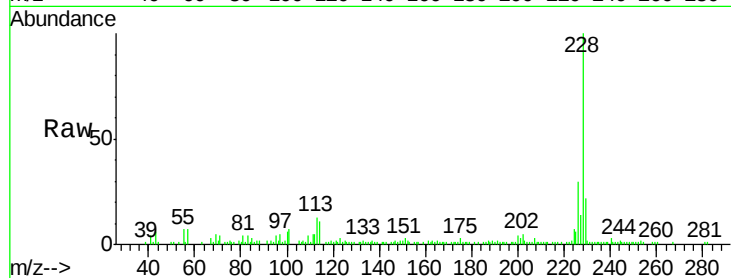
Tot Ion:228 Resp: 60869

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 21.7 16.2 24.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

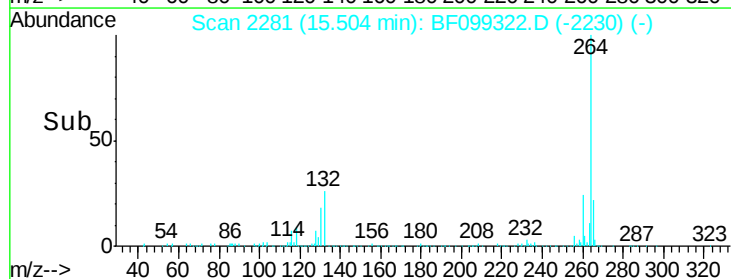
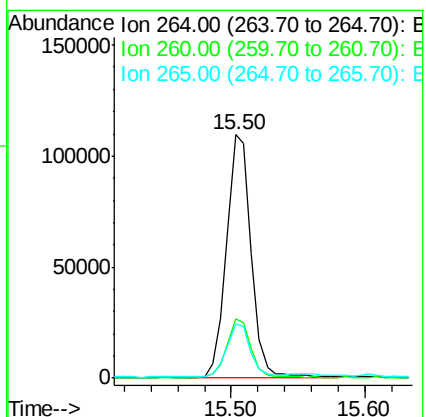
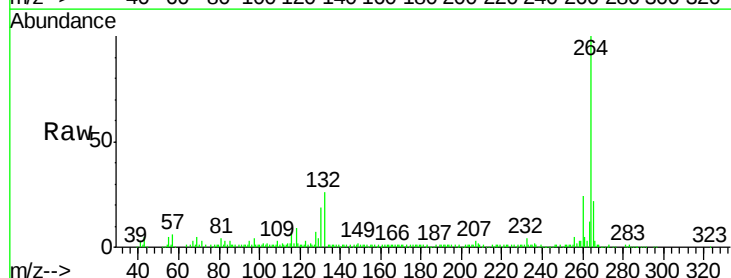
Tgt Ion:264 Resp: 143917

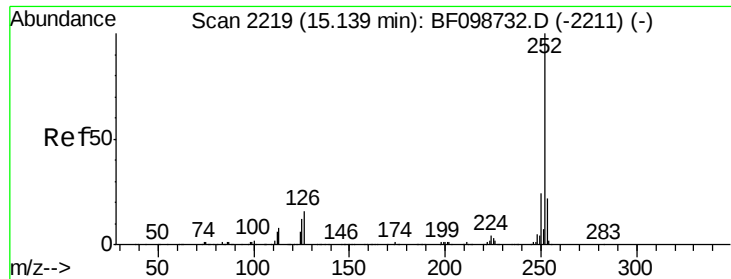
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.1 17.5 26.3

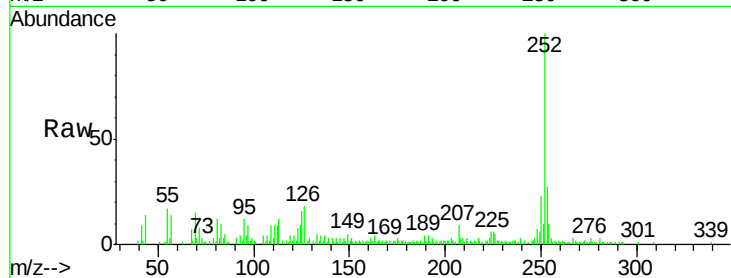




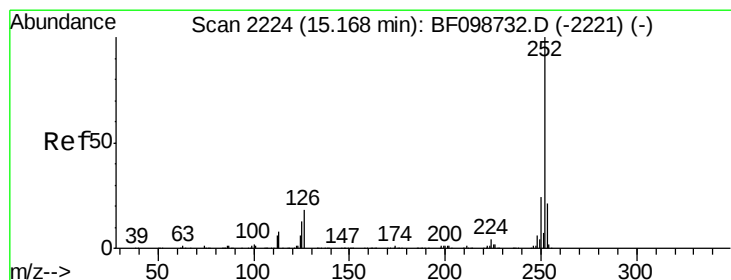
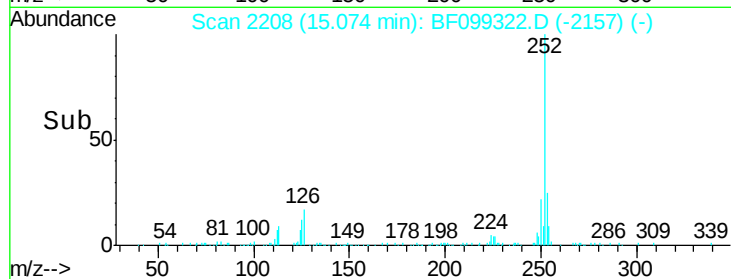
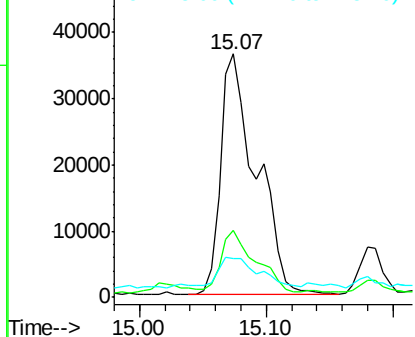
#87
Benzo(b)fluoranthene
Concen: 8.06 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 71342
Ion Ratio Lower Upper
252 100
253 27.2 17.0 25.6#
125 16.1 9.0 13.6#

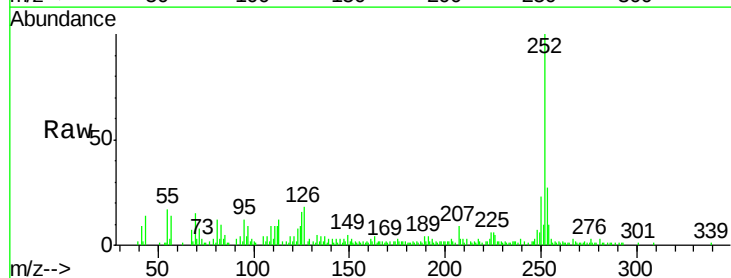


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

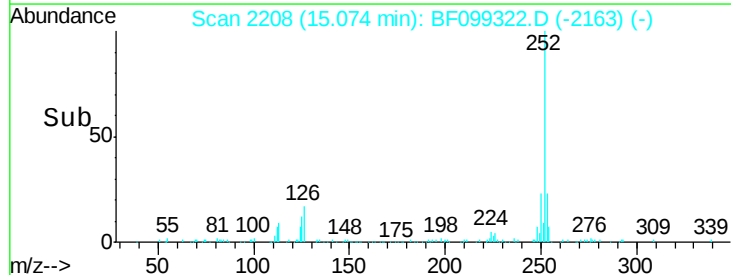
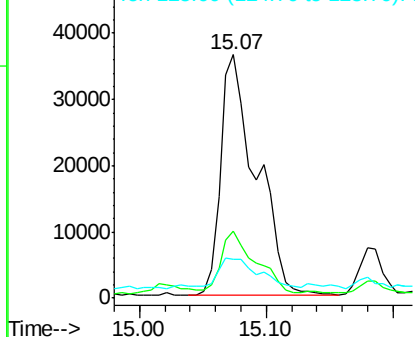


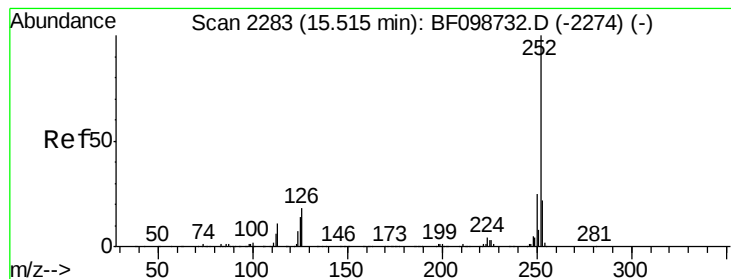
#88
Benzo(k)fluoranthene
Concen: 8.16 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099322.D
Acq: 11 Oct 2017 1:37

Tgt Ion:252 Resp: 71342
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 16.1 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: 4.52 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.00 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_F

ClientSampleId :

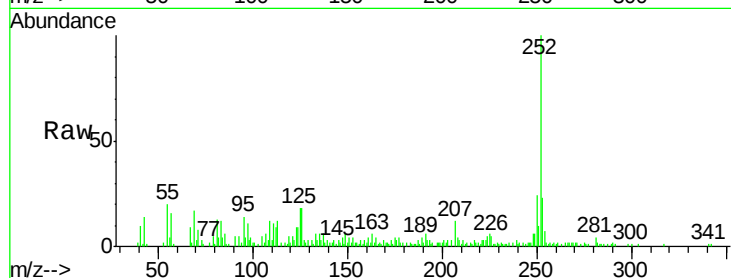
Tot Ion:252 Resp: 36710

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 18.3 9.8 14.6#

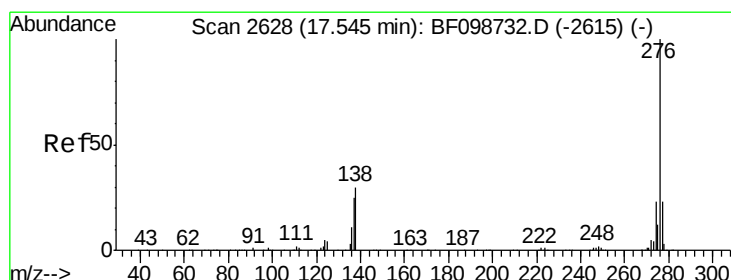
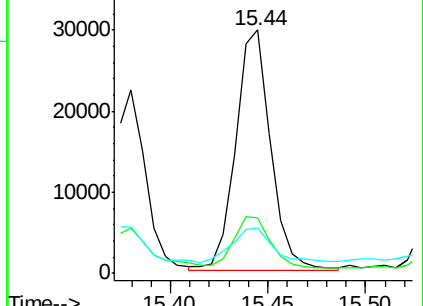
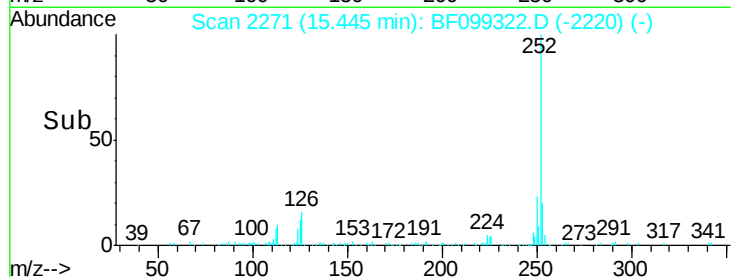


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#91

Benzo(g,h,i)perylene

Concen: 3.10 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BF099322.D

Acq: 11 Oct 2017 1:37

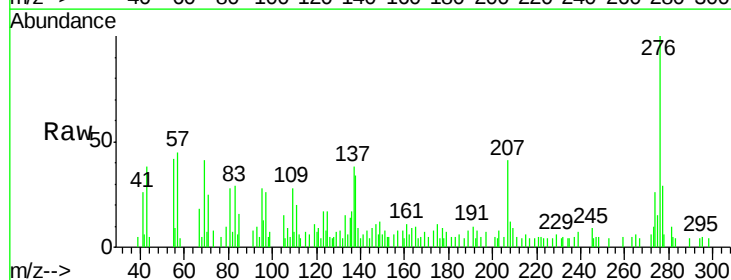
Tgt Ion:276 Resp: 19923

Ion Ratio Lower Upper

276 100

277 28.7 17.9 26.9#

138 34.3 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

Time-->

