

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099702.D
 Acq On : 20 Oct 2017 15:52
 Operator : SJ/JU
 Sample : I5929-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:22:55 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

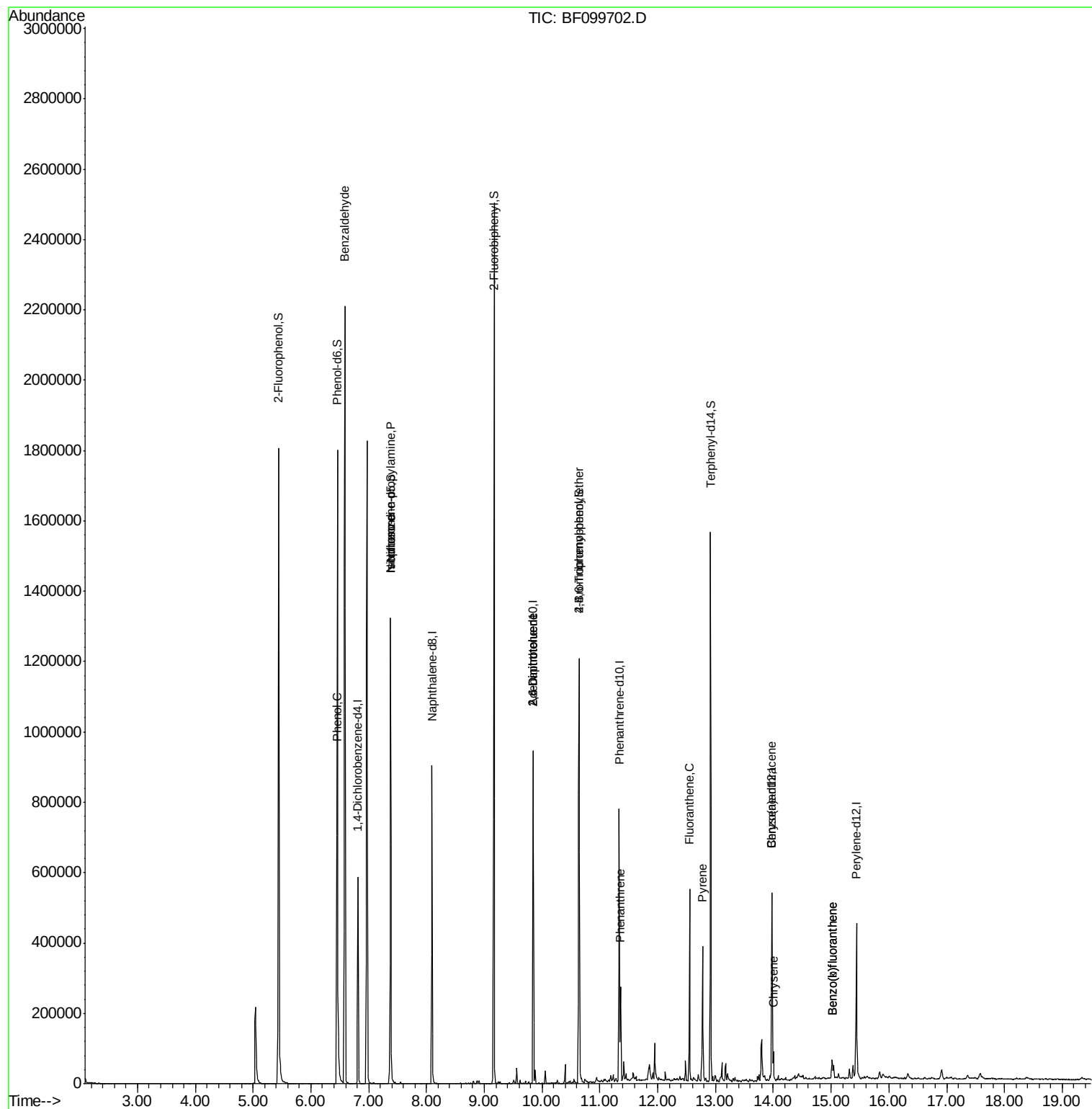
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	99279	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	414026	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	182651	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	268952	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	164822	20.00	ng	0.00
86) Perylene-d12	15.44	264	186783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	628979	100.85	ng	0.00
7) Phenol-d6	6.46	99	743743	96.67	ng	0.00
23) Nitrobenzene-d5	7.38	82	435203	67.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	138519	92.68	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	796755	72.82	ng	0.00
78) Terphenyl-d14	12.92	244	461141	63.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	11441	2.564	ng	Qvalue 91
10) Phenol	6.47	94	35275	4.100	ng	98
19) n-Nitroso-di-n-propylamine	7.38	70	53129	10.816	ng	# 75
25) Isophorone	7.38	82	435203	32.605	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	22942	7.644	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	22942	5.890	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	9207	3.497	ng	# 1
70) Phenanthrene	11.36	178	99193	6.890	ng	97
74) Fluoranthene	12.55	202	201006	13.788	ng	97
77) Pyrene	12.78	202	149374	11.885	ng	98
80) Benzo(a)anthracene	13.97	228	36980	3.705	ng	99
82) Chrysene	14.00	228	30549	3.215	ng	96
87) Benzo(b)fluoranthene	15.02	252	37687	3.282	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	37687	3.323	ng	97

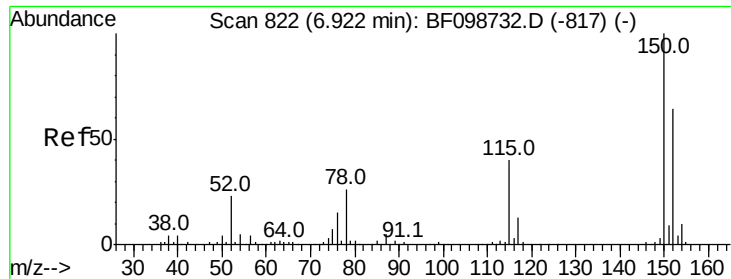
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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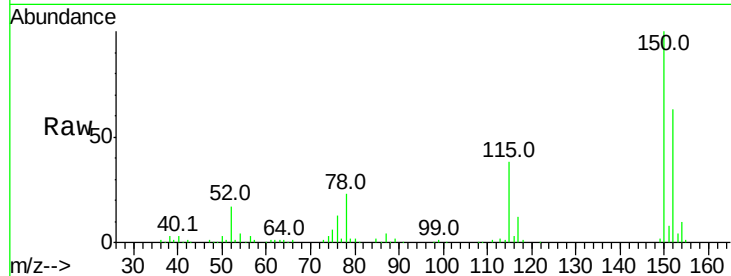


#1

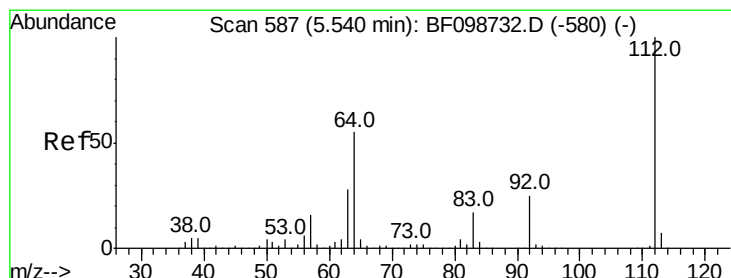
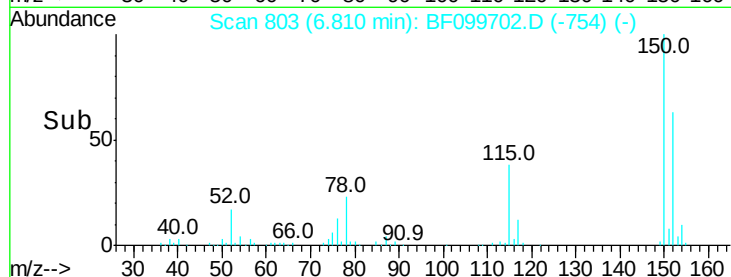
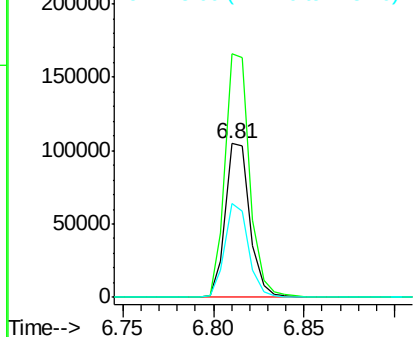
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 99279
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 60.9 50.1 75.1



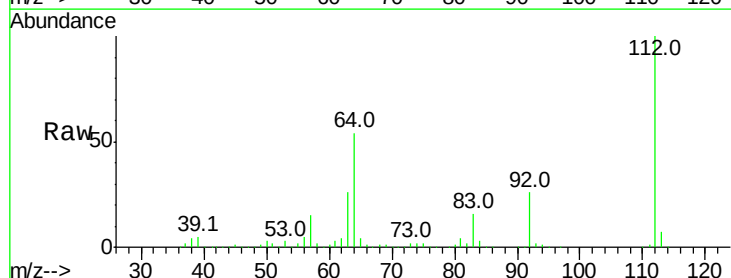
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



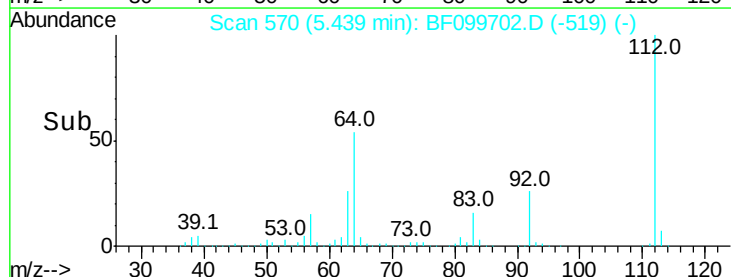
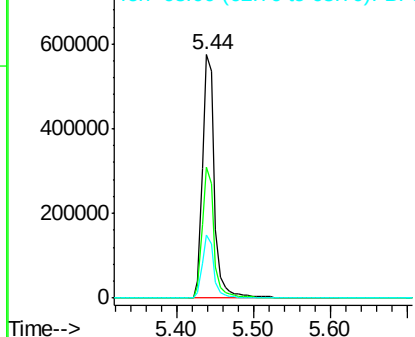
#5

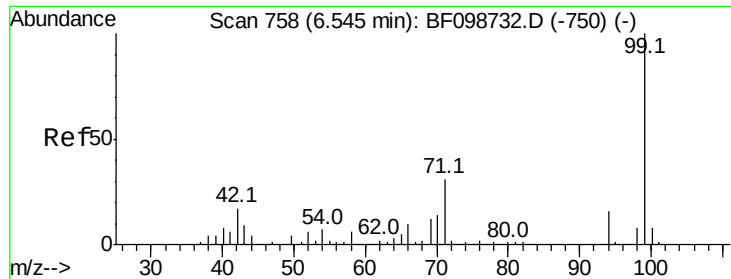
2-Fluorophenol
Concen: 100.854 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion:112 Resp: 628979
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 26.0 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: 96.672 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

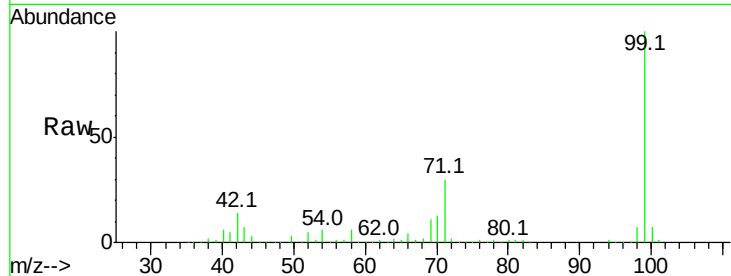
Tot Ion: 99 Resp: 743743

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

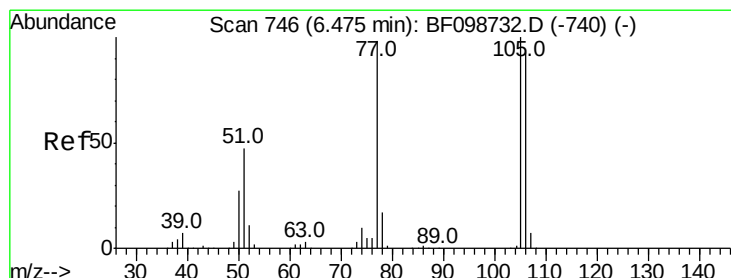
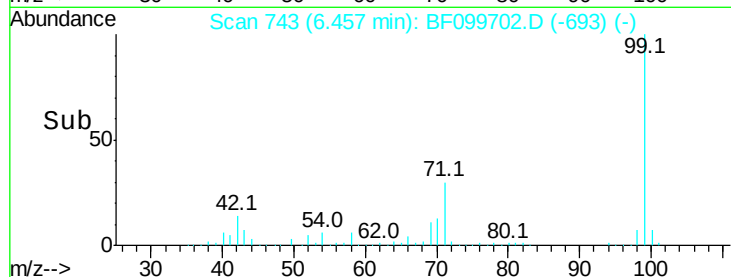
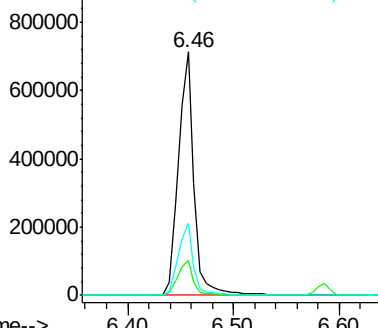
71 29.6 25.4 38.0



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: 2.564 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

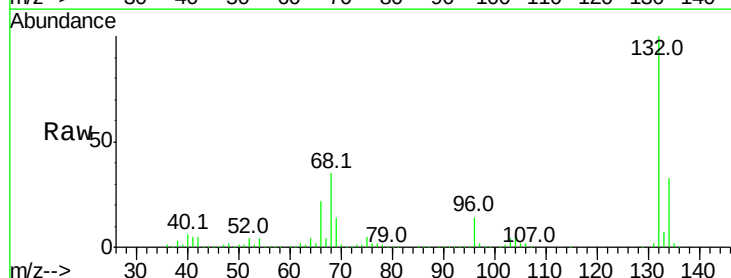
Tgt Ion: 77 Resp: 11441

Ion Ratio Lower Upper

77 100

105 92.8 81.1 121.1

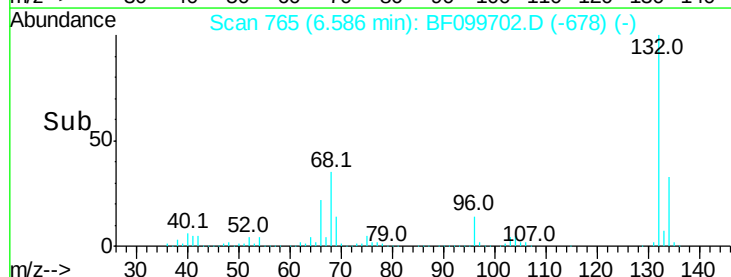
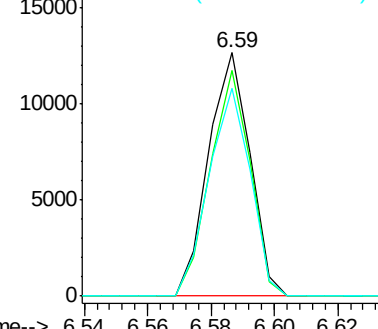
106 85.1 74.5 114.5

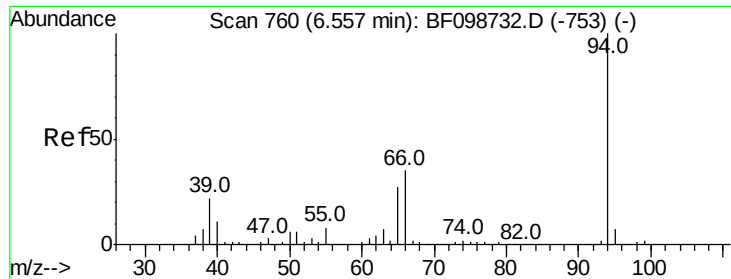


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

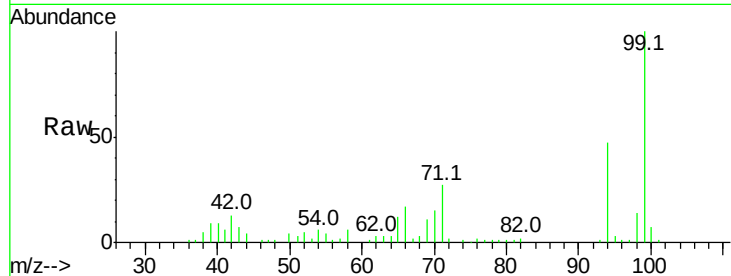




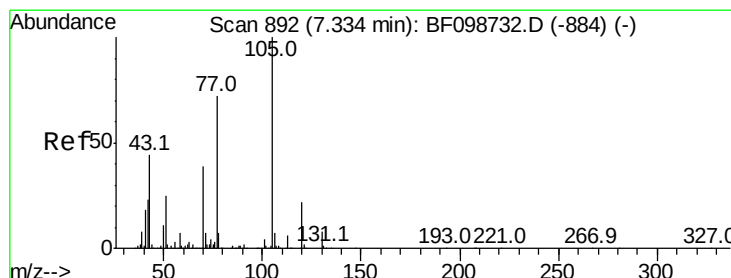
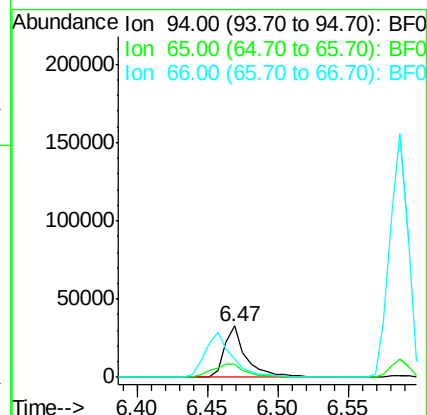
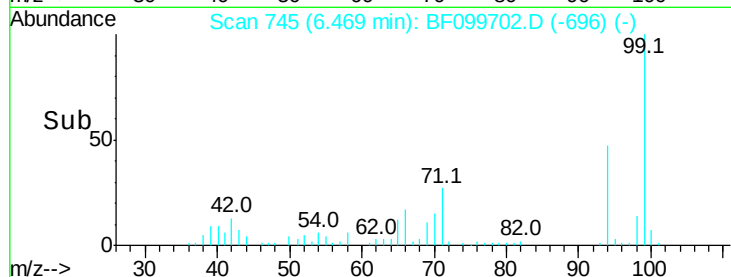
#10
Phenol
Concen: 4.100 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 35275
Ion Ratio Lower Upper
94 100
65 26.2 7.9 47.9
66 36.4 16.2 56.2

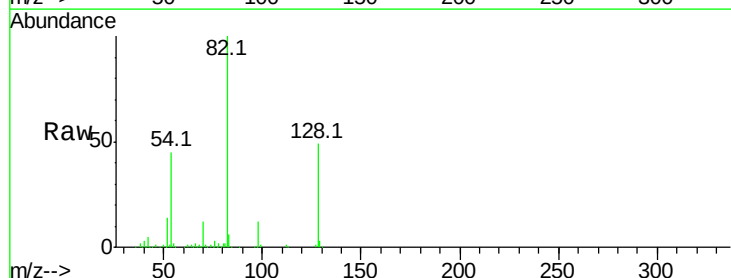


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

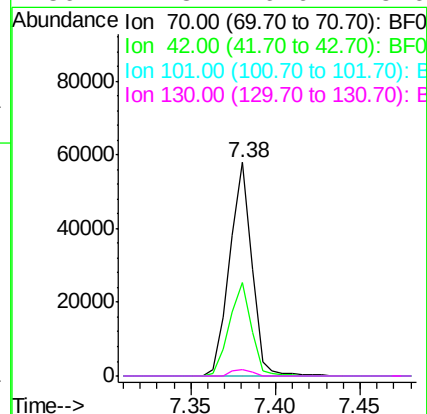
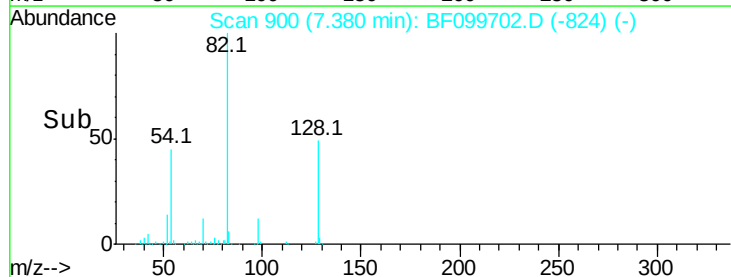


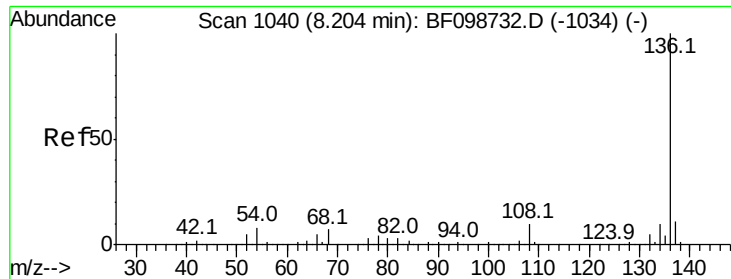
#19
n-Nitroso-di-n-propylamine
Concen: 10.816 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion: 70 Resp: 53129
Ion Ratio Lower Upper
70 100
42 44.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 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

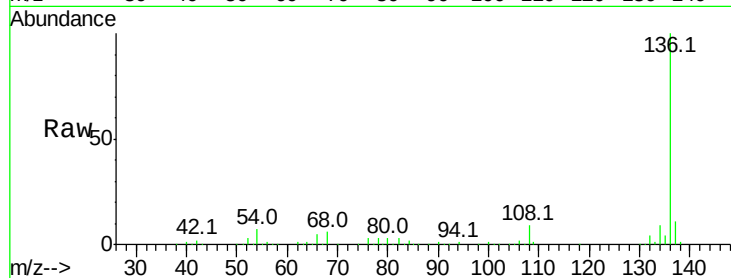




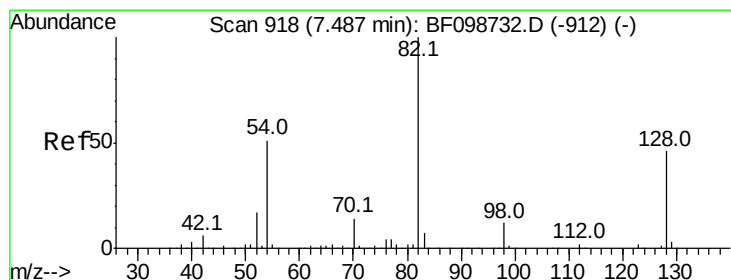
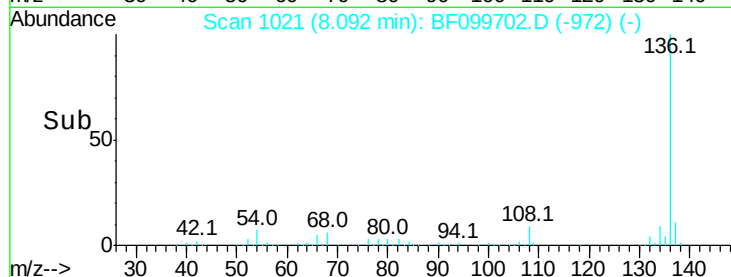
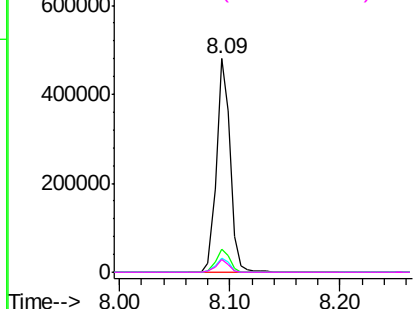
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	414026
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	6.2	5.0	7.4

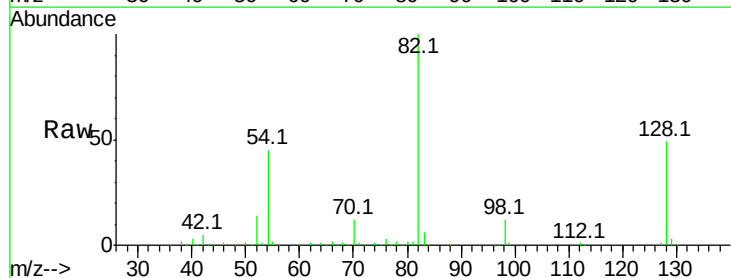


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

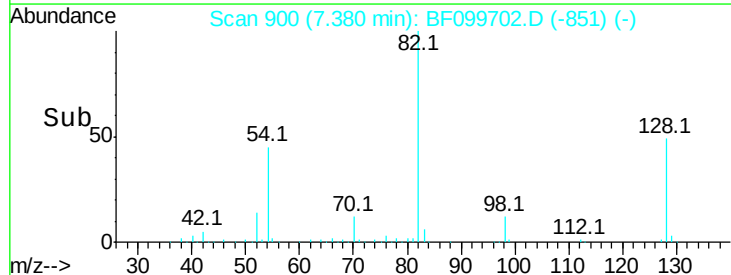
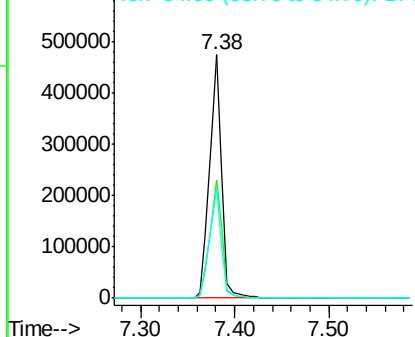


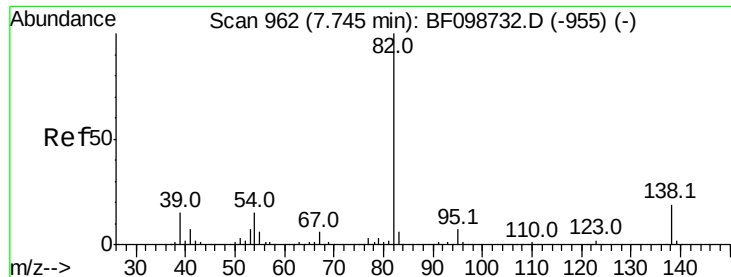
#23
Nitrobenzene-d5
Concen: 67.410 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion:	82	Resp:	435203
Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	44.9	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: 32.605 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

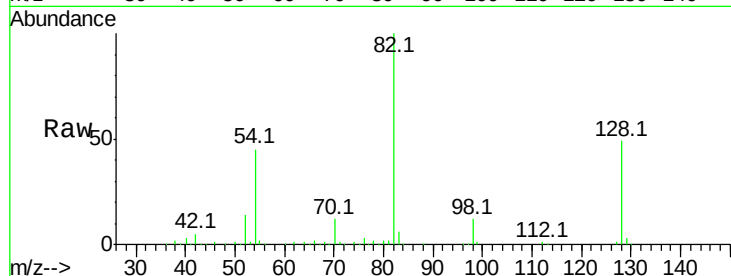
Tot Ion: 82 Resp: 435203

Ion Ratio Lower Upper

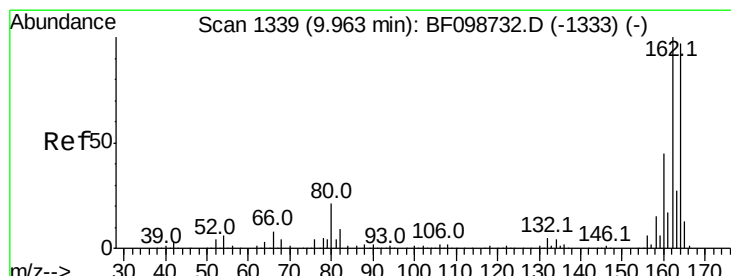
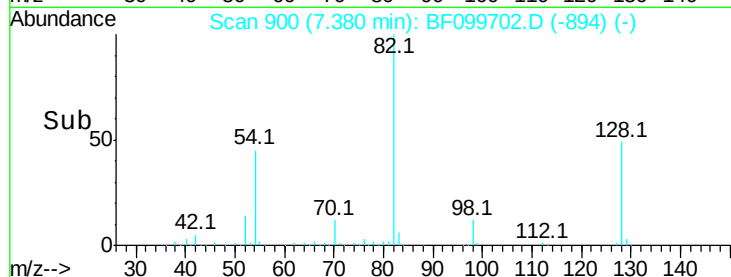
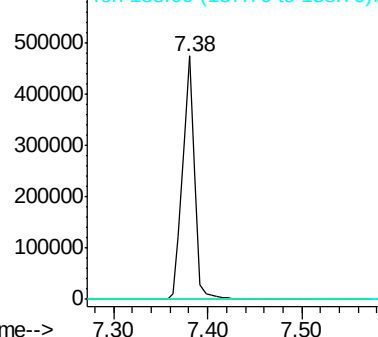
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

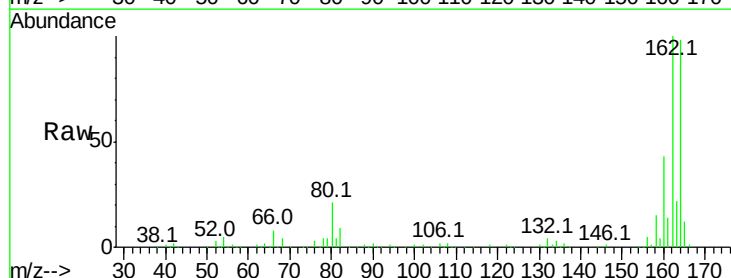
Tgt Ion: 164 Resp: 182651

Ion Ratio Lower Upper

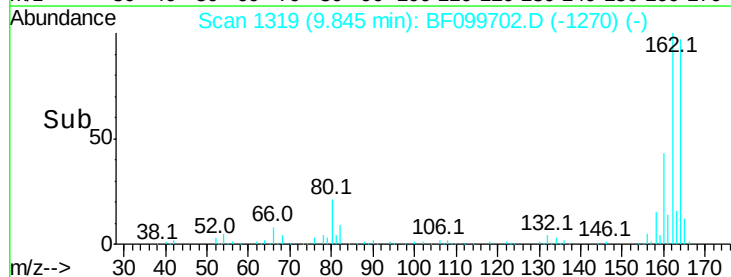
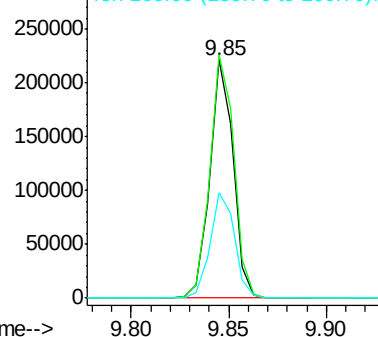
164 100

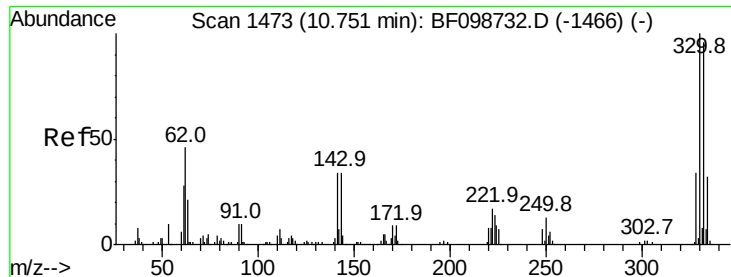
162 102.3 86.1 129.1

160 44.4 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

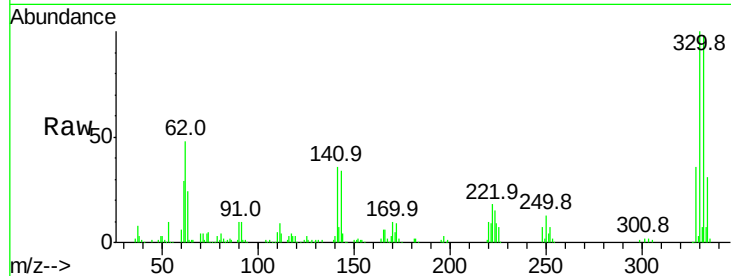




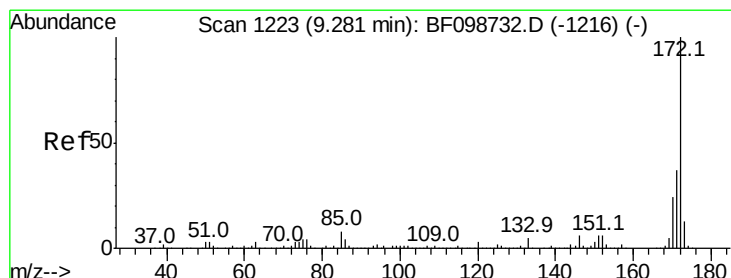
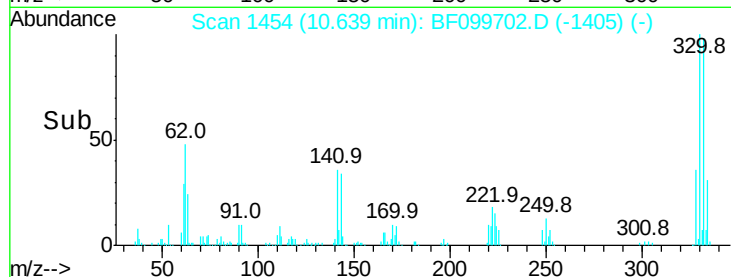
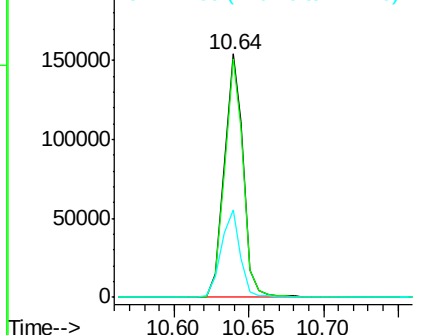
#41
 2,4,6-Tribromophenol
 Concen: 92.681 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099702.D
 Acq: 20 Oct 2017 15:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	36.3	29.9	44.9

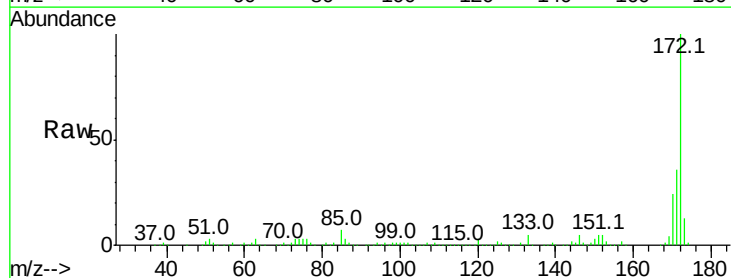


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

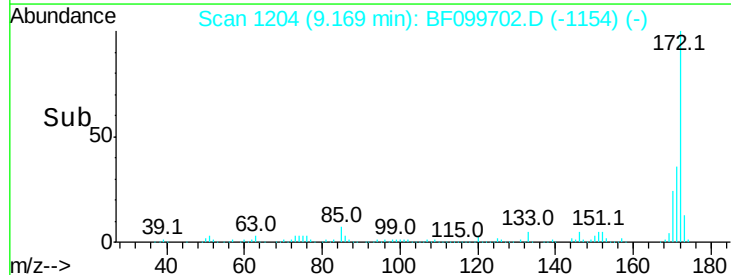
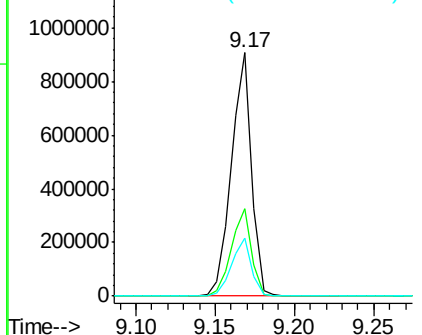


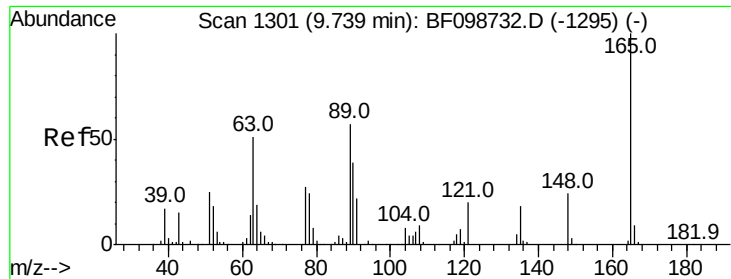
#44
 2-Fluorobiphenyl
 Concen: 72.823 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099702.D
 Acq: 20 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.0	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

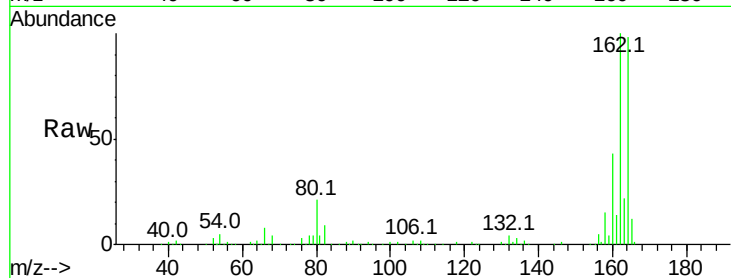




#50
2,6-Dinitrotoluene
Concen: 7.644 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :

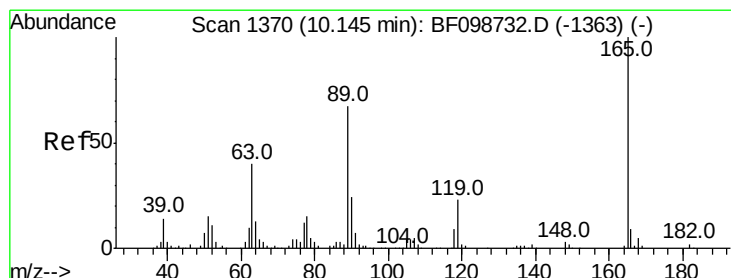
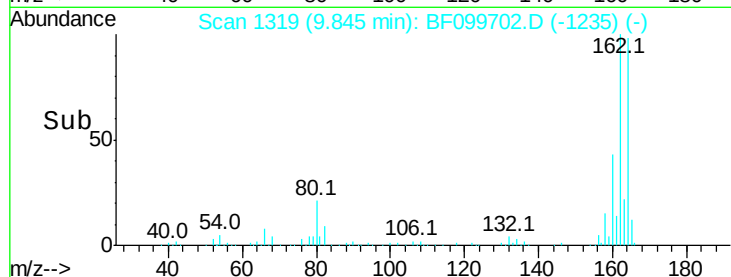
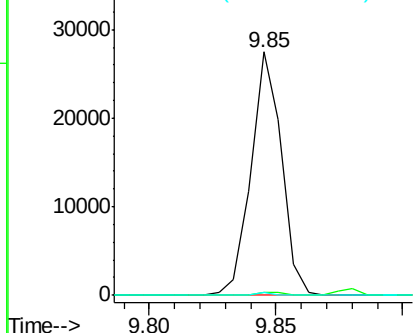
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.1	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

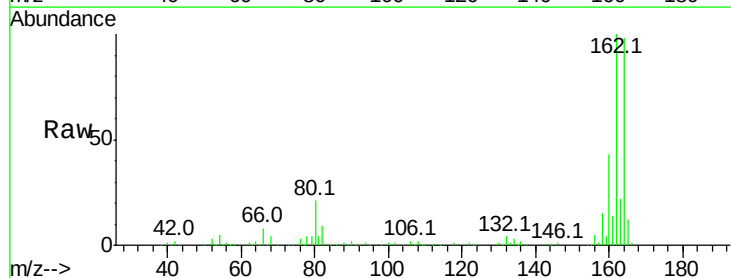
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

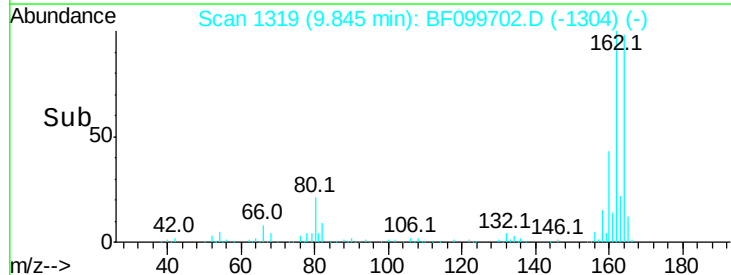
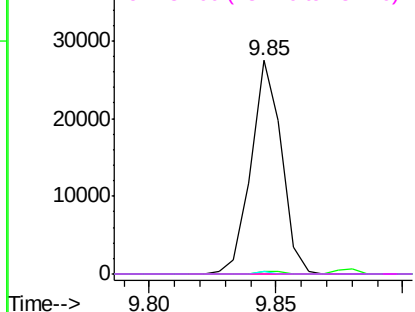


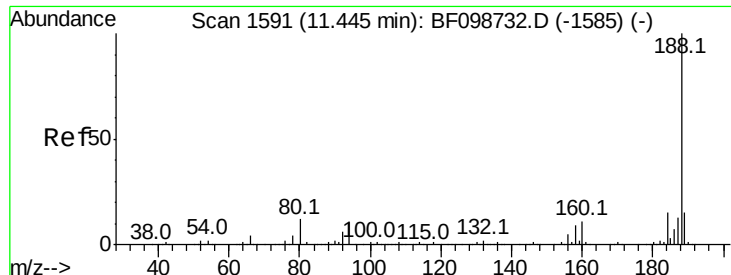
Abundance Ion 165.00 (164.70 to 165.70): E

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

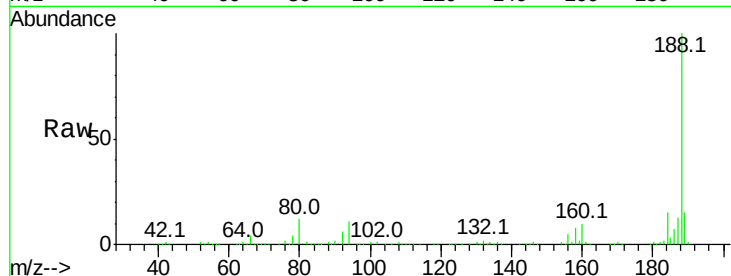




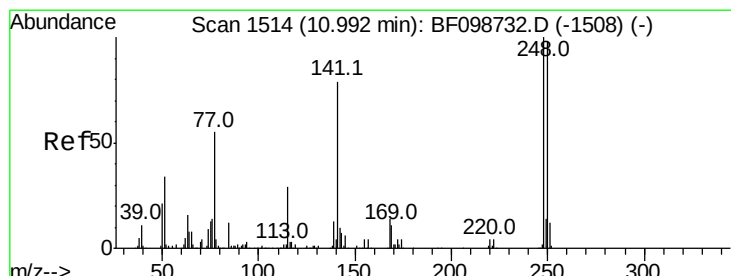
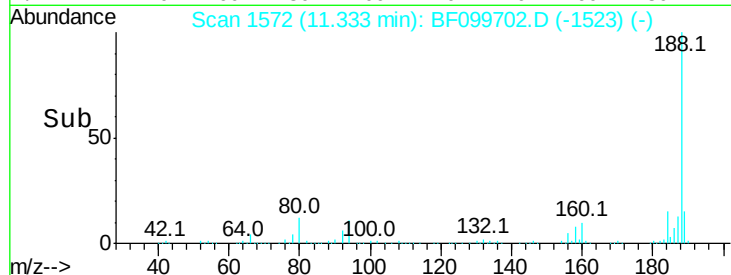
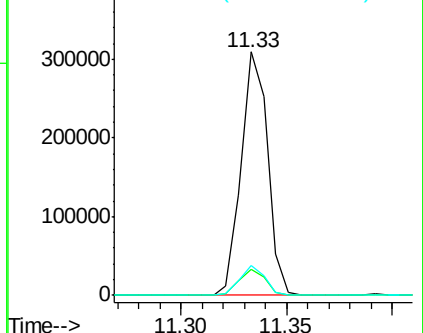
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 268952
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 12.4 9.2 13.8

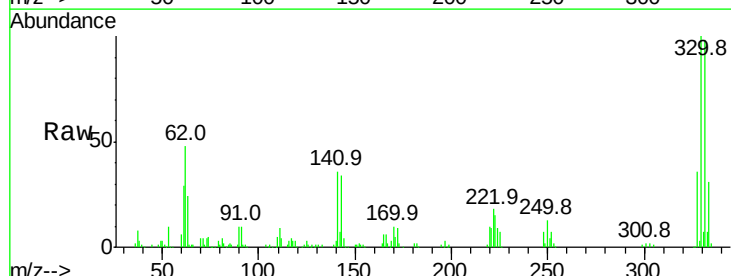


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

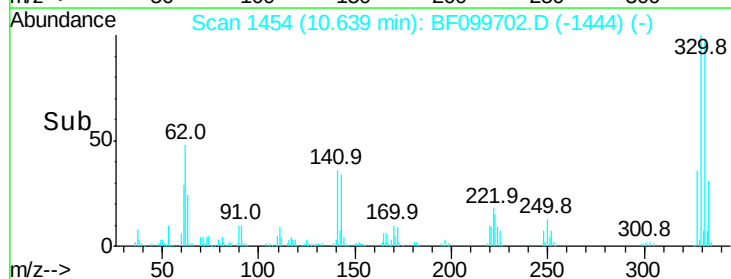
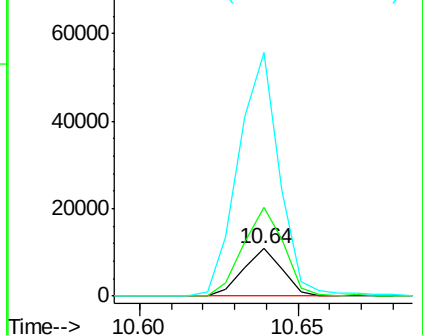


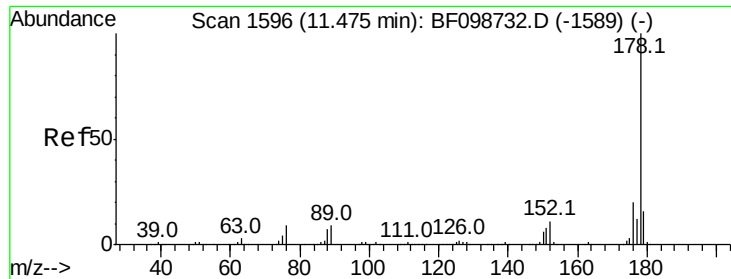
#66
4-Bromophenyl-phenylether
Concen: 3.497 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion:248 Resp: 9207
Ion Ratio Lower Upper
248 100
250 187.1 76.9 115.3#
141 510.2 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

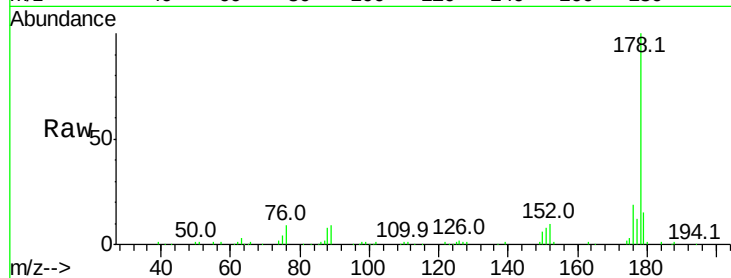




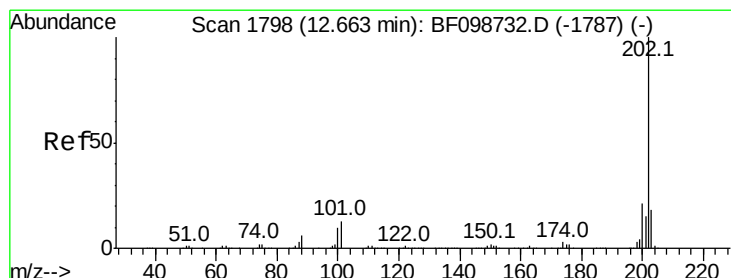
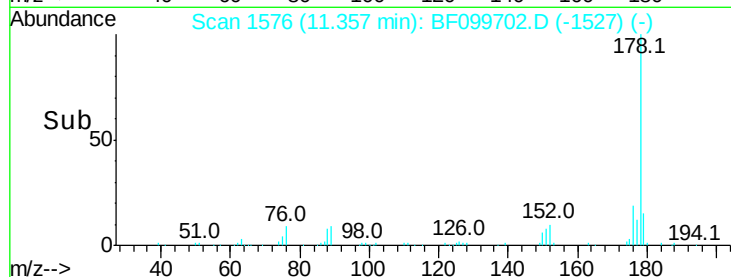
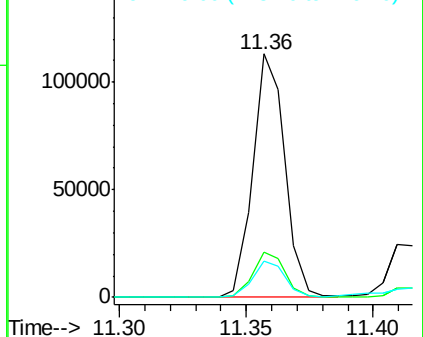
#70
 Phenanthrene
 Concen: 6.890 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF099702.D
 Acq: 20 Oct 2017 15:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 99193
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.7 13.0 19.6

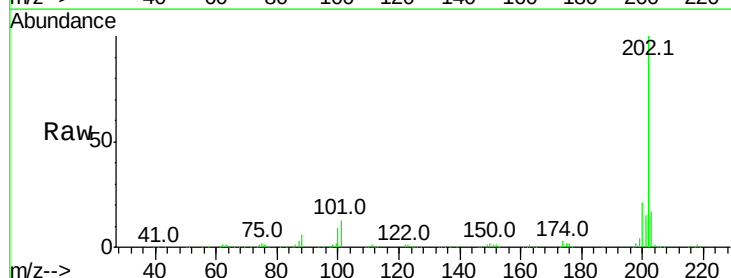


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

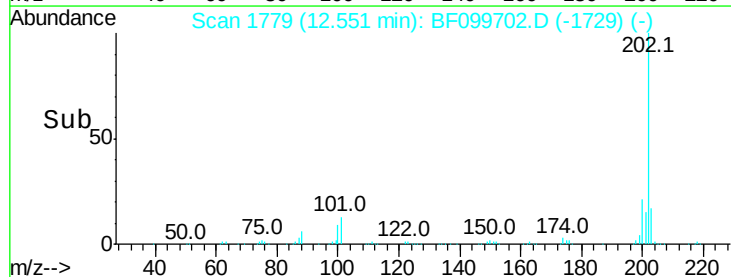
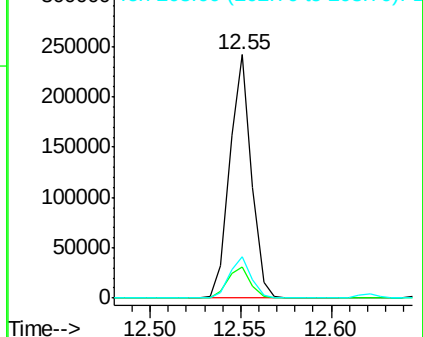


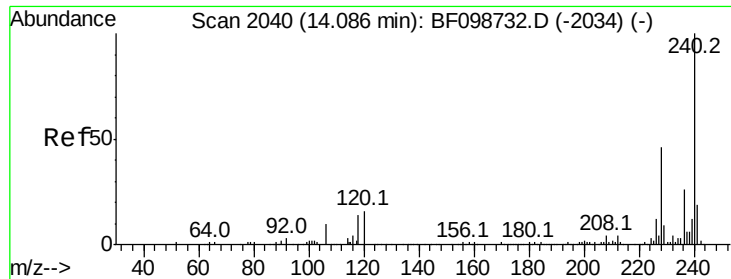
#74
 Fluoranthene
 Concen: 13.788 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF099702.D
 Acq: 20 Oct 2017 15:52

Tgt Ion:202 Resp: 201006
 Ion Ratio Lower Upper
 202 100
 101 12.8 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: BF099702.D

Acq: 20 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

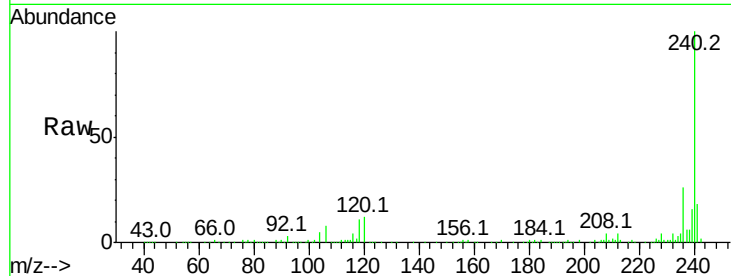
Tot Ion:240 Resp: 164822

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

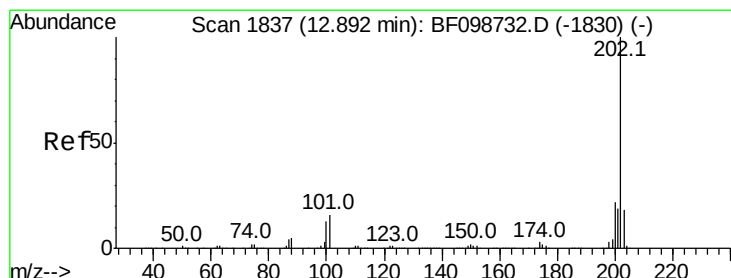
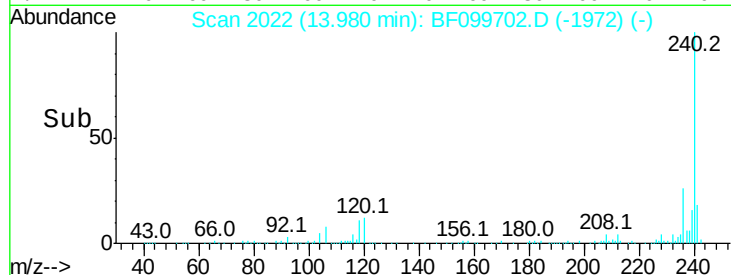
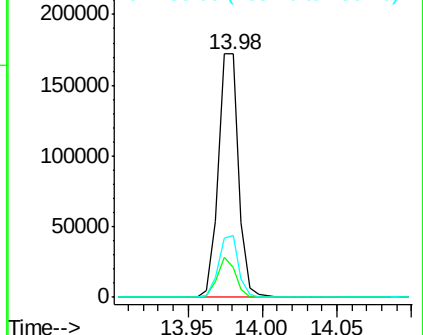
236 25.6 20.7 31.1



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



#77

Pyrene

Concen: 11.885 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

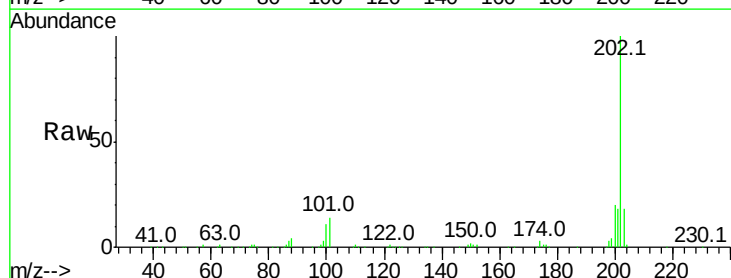
Tgt Ion:202 Resp: 149374

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

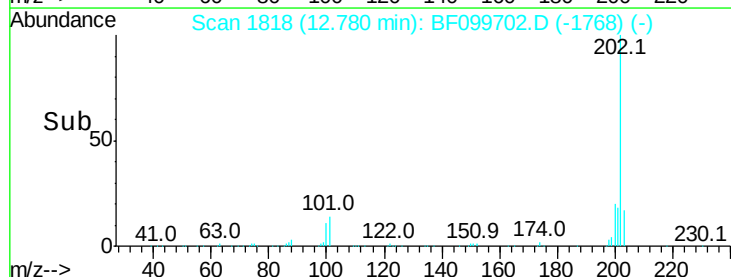
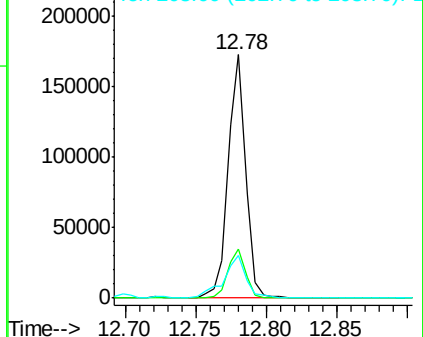
203 17.6 14.3 21.5

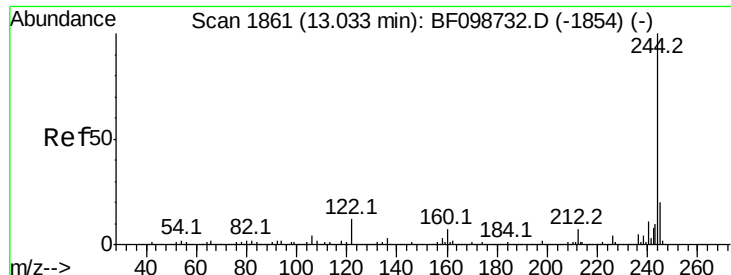


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.628 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

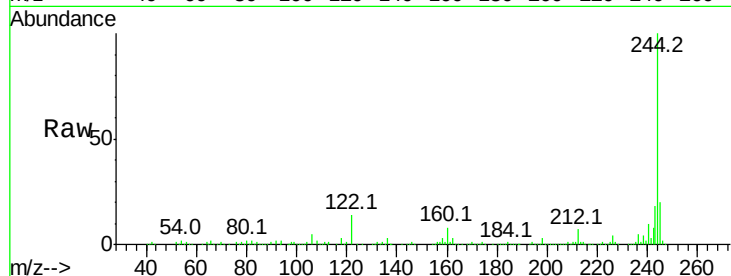
Tot Ion:244 Resp: 461141

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

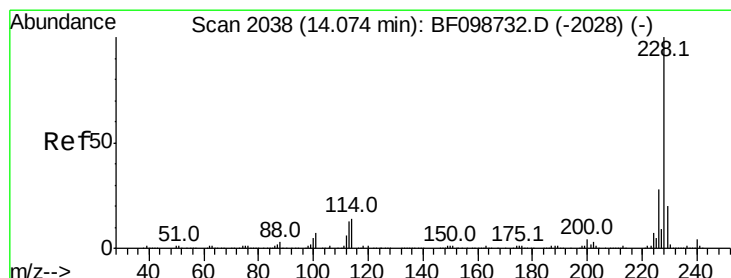
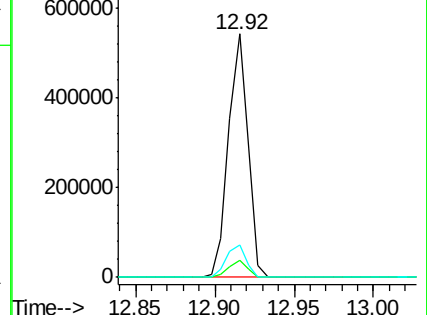
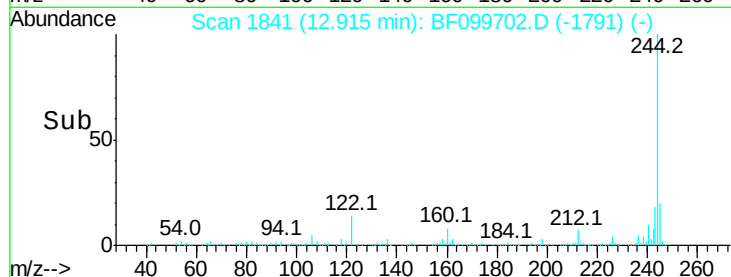
122 13.6 11.0 16.4



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: 3.705 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

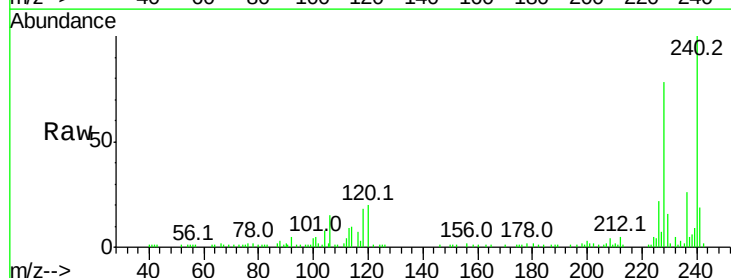
Tgt Ion:228 Resp: 36980

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

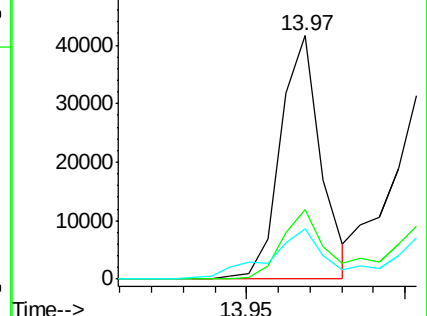
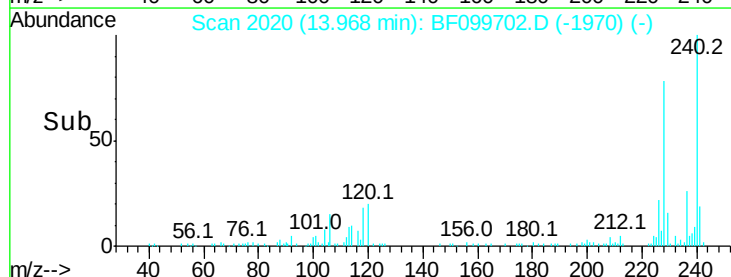
229 20.8 15.8 23.6

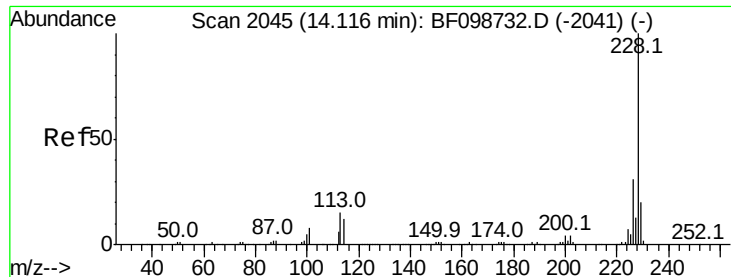


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

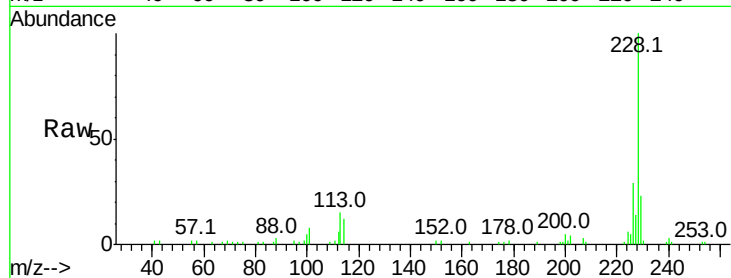




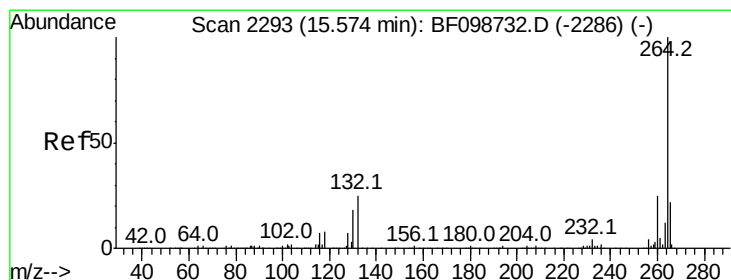
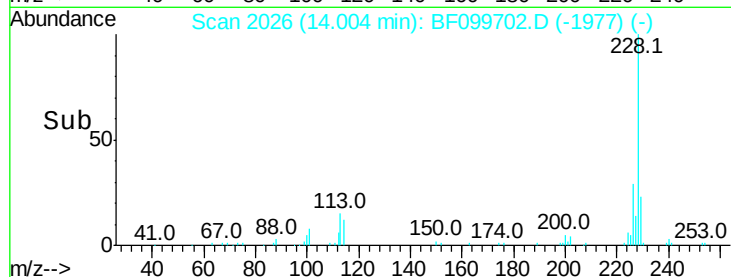
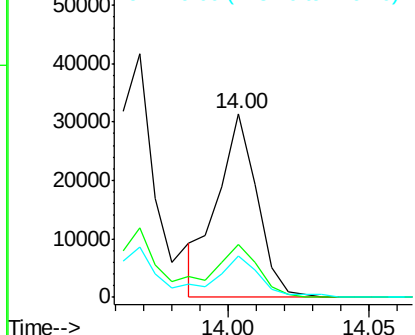
#82
Chrysene
Concen: 3.215 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 30549
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 22.5 16.2 24.4

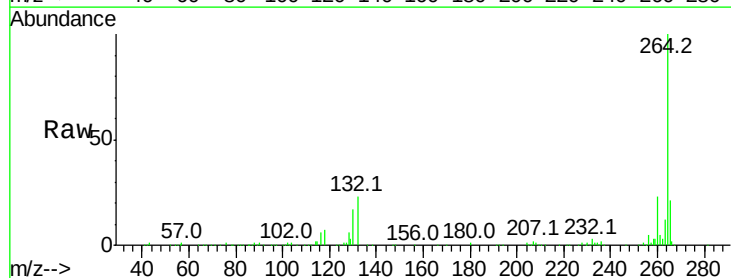


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

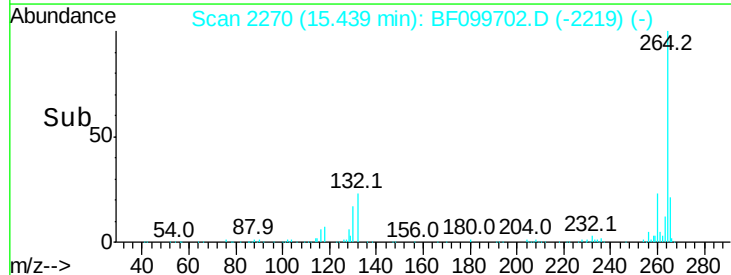
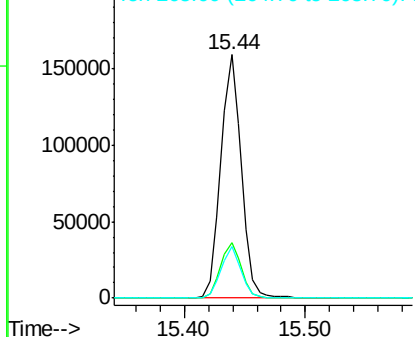


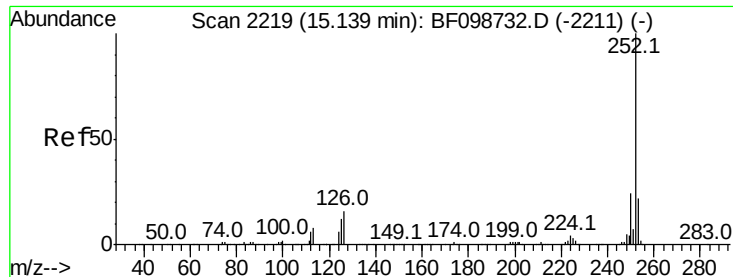
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF099702.D
Acq: 20 Oct 2017 15:52

Tgt Ion:264 Resp: 186783
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 21.2 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: 3.282 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

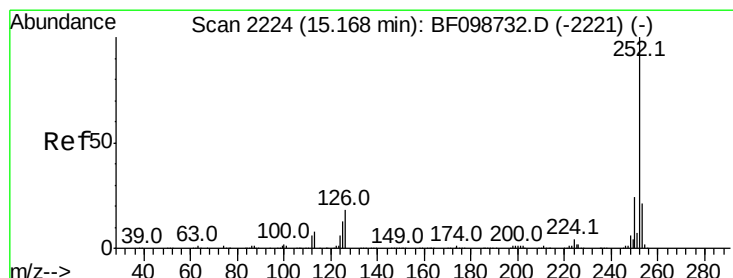
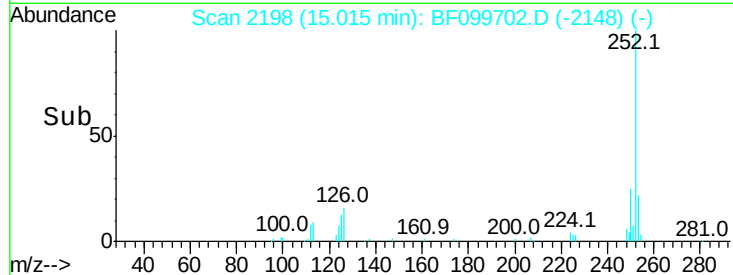
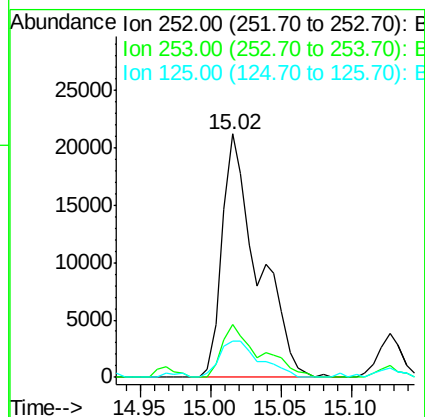
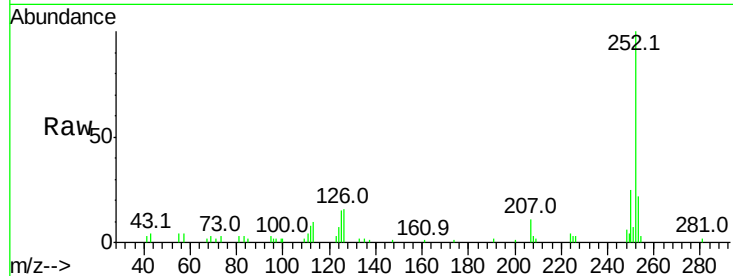
Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37687

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	14.6	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 3.323 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF099702.D

Acq: 20 Oct 2017 15:52

Tgt Ion:252 Resp: 37687

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	14.6	10.2	15.2

