

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100054.D
 Acq On : 1 Nov 2017 19:56
 Operator : SJ/JU
 Sample : I6233-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 01:38:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

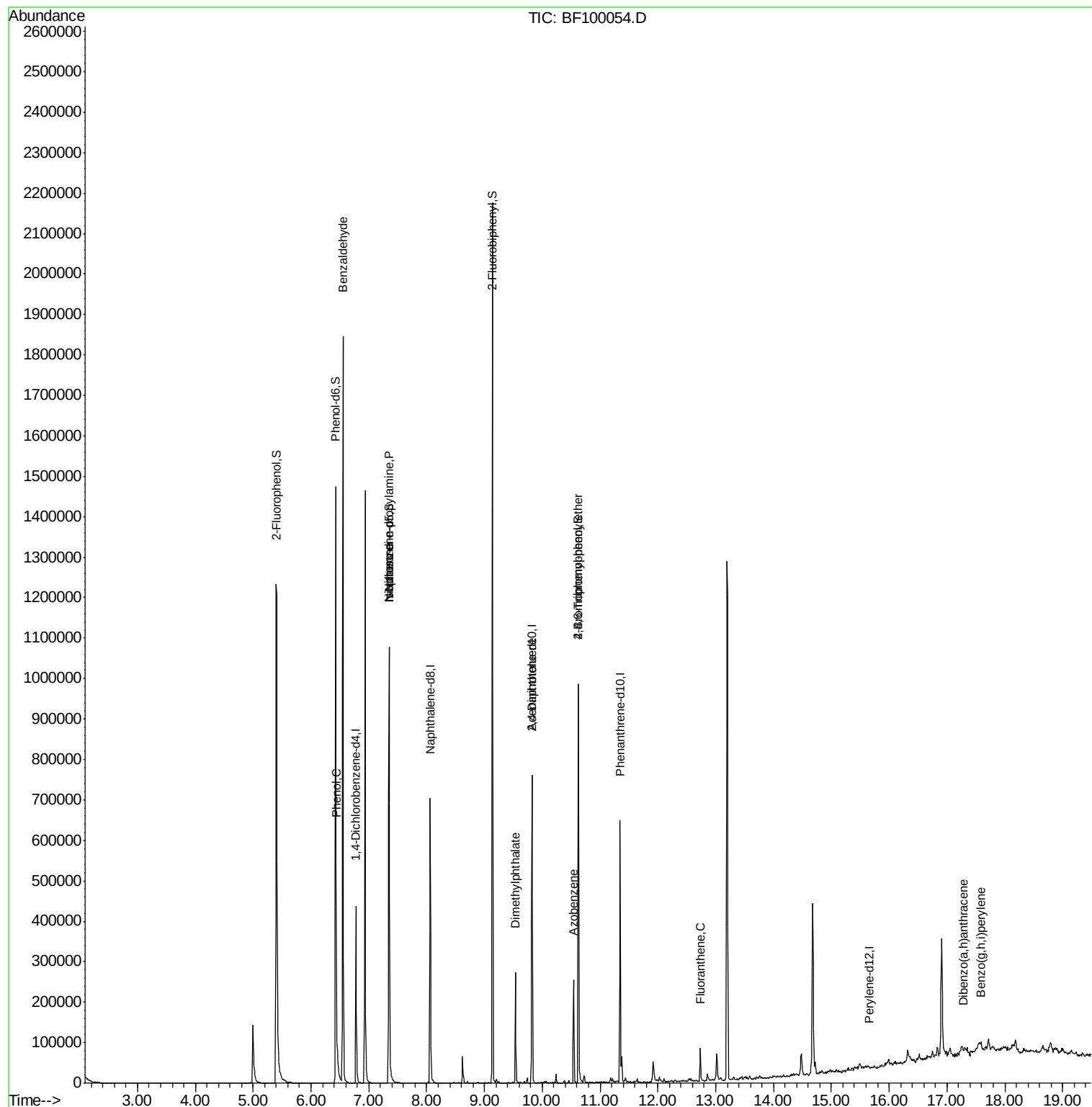
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	81049	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	320750	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	144577	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	239128	20.00	ng	0.04
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.97
86) Perylene-d12	15.66	264	131	20.00	ng	0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	538273	104.27	ng	0.01
7) Phenol-d6	6.43	99	634163	103.60	ng	0.00
23) Nitrobenzene-d5	7.35	82	352601	70.77	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	134912	102.40	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	667277	71.21	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
9) Benzaldehyde	6.55	77	9611	2.628	ng	92
10) Phenol	6.44	94	14035	2.088	ng	82
19) n-Nitroso-di-n-propylamine	7.35	70	43640	12.166	ng	# 70
25) Isophorone	7.35	82	352601	39.003	ng	# 64
49) Dimethylphthalate	9.54	163	114891	10.035	ng	99
56) 2,4-Dinitrotoluene	9.82	165	17712	6.111	ng	# 21
62) Azobenzene	10.54	77	39918	4.259	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8629	3.428	ng	# 1
74) Fluoranthene	12.73	202	38729	2.762	ng	97
90) Dibenzo(a,h)anthracene	17.28	278	124	18.781	ng	# 3
91) Benzo(a,h,i)perylene	17.57	276	127	19.661	ng	# 1

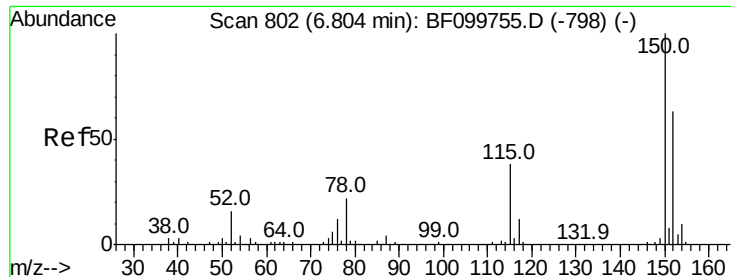
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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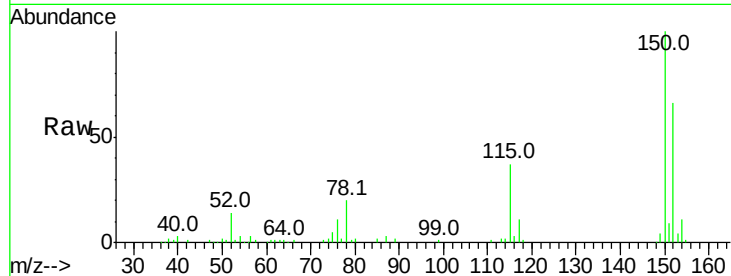


#1

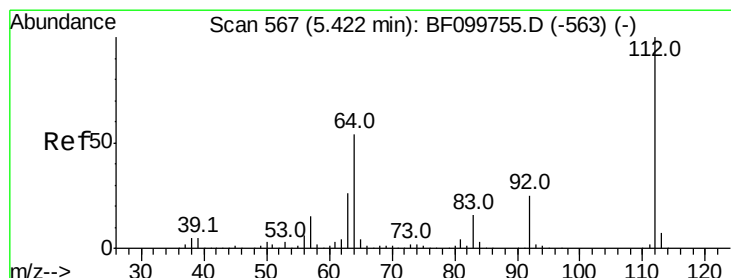
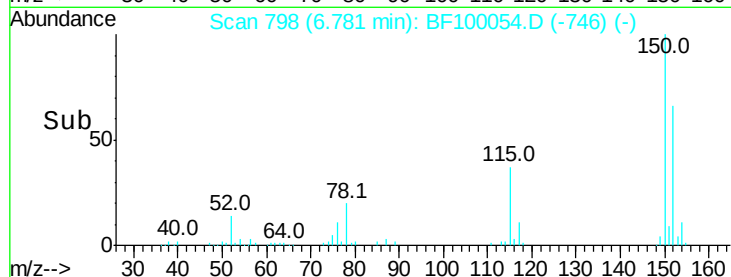
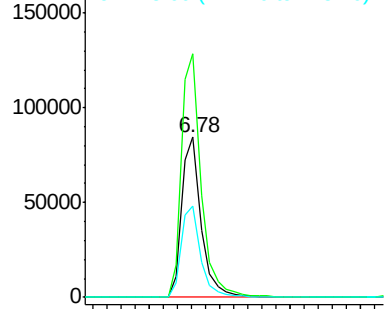
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.01 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81049
Ion Ratio Lower Upper
152 100
150 152.0 124.6 186.8
115 56.7 50.1 75.1



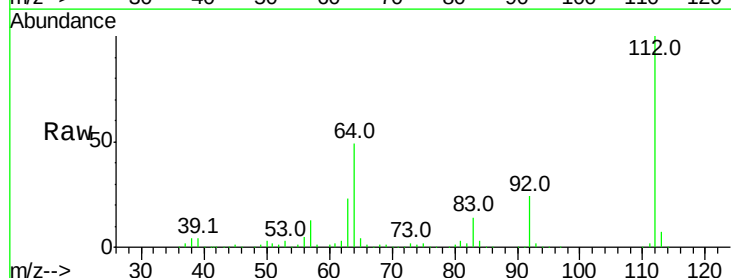
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



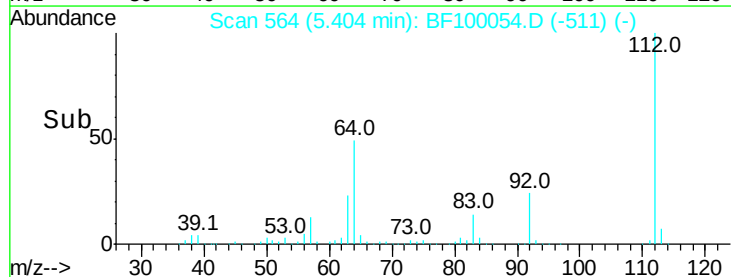
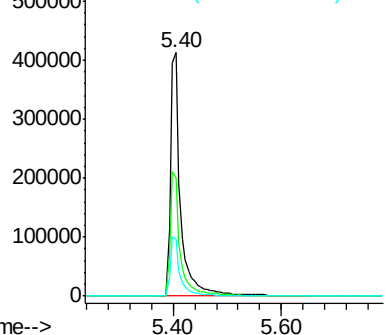
#5

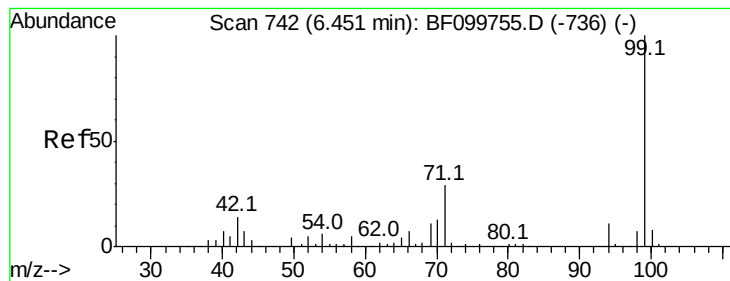
2-Fluorophenol
Concen: 104.267 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Tgt Ion:112 Resp: 538273
Ion Ratio Lower Upper
112 100
64 48.7 47.9 71.9
63 23.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.600 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Instrument :

BNA_F

ClientSampled :

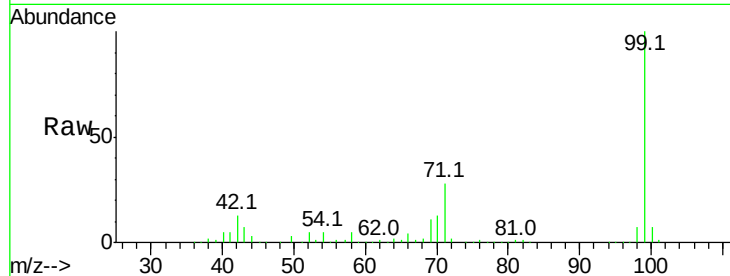
Tot Ion: 99 Resp: 634163

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

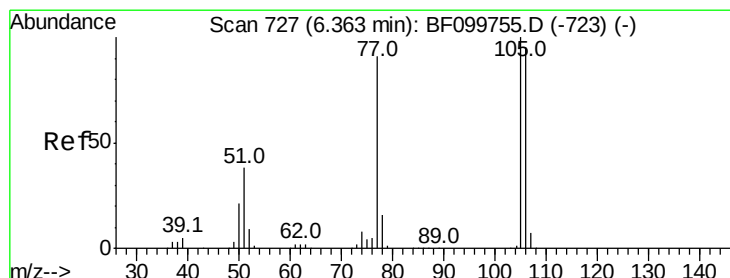
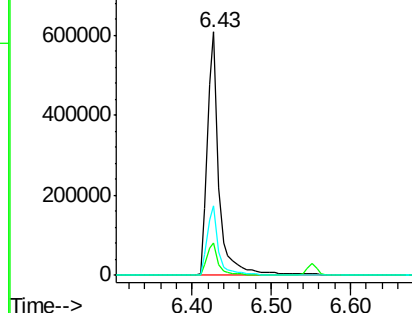
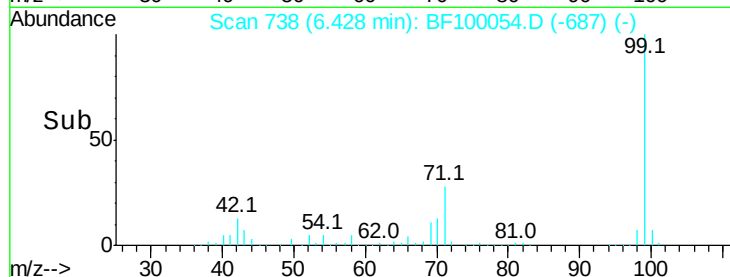
71 28.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.628 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.21 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

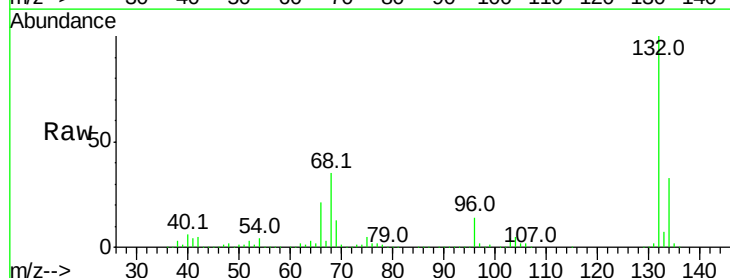
Tgt Ion: 77 Resp: 9611

Ion Ratio Lower Upper

77 100

105 86.0 81.1 121.1

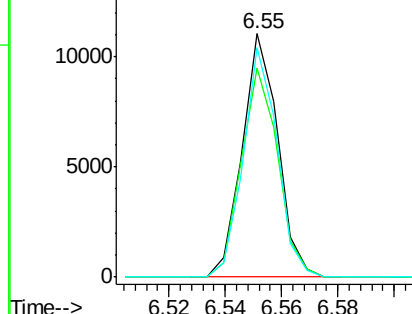
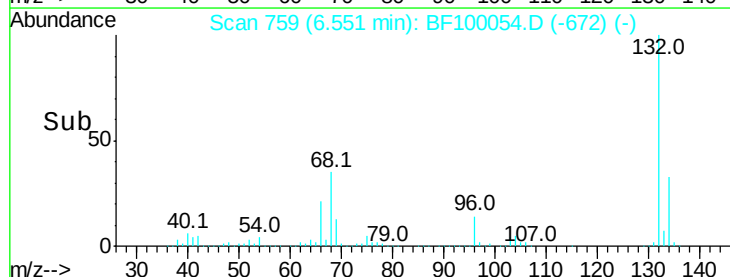
106 94.5 74.5 114.5

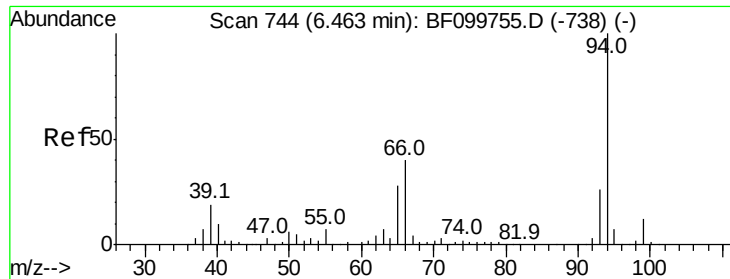


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.088 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

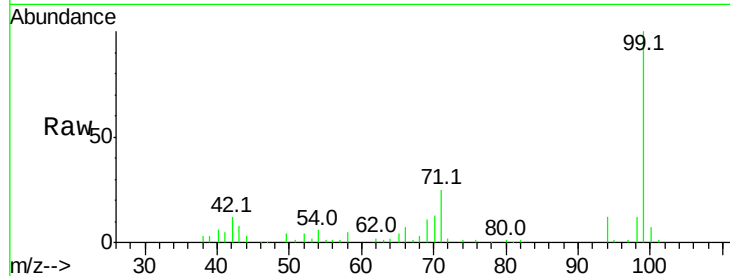
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 14035

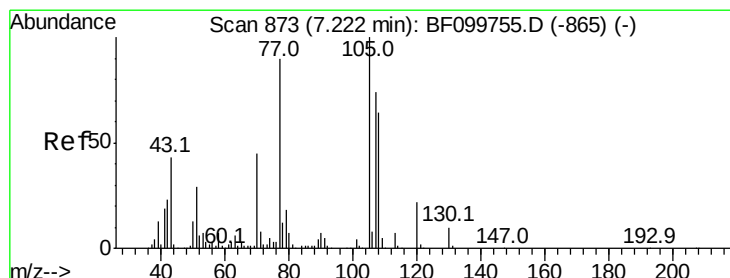
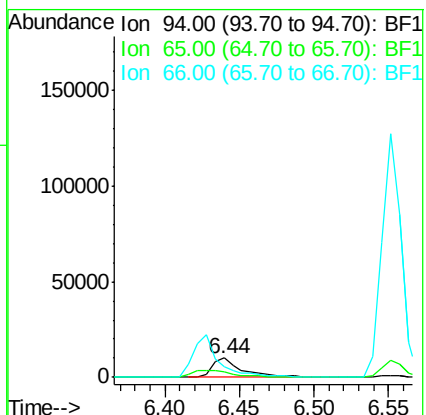
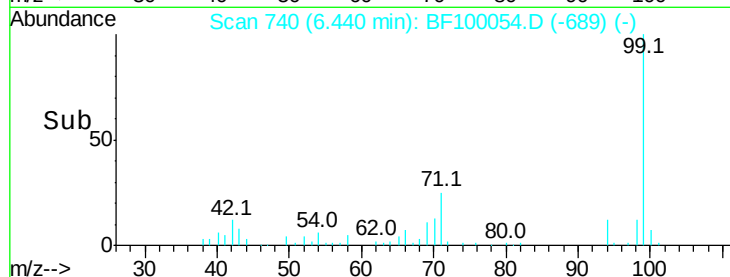
Ion	Ratio	Lower	Upper
94	100		
65	30.4	7.9	47.9
66	53.1	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.166 ng

RT: 7.35 min Scan# 895

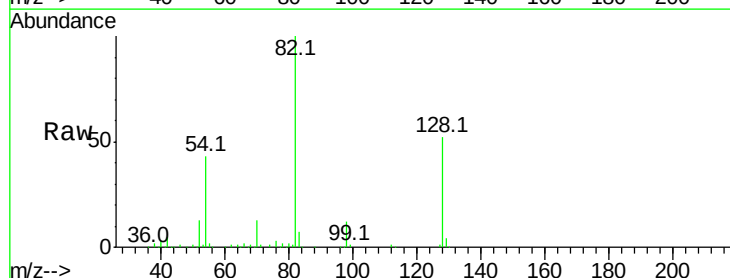
Delta R.T. 0.16 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Tgt Ion: 70 Resp: 43640

Ion	Ratio	Lower	Upper
70	100		
42	37.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.9	16.6	25.0#

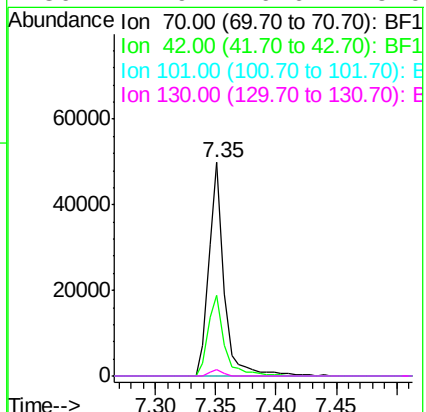
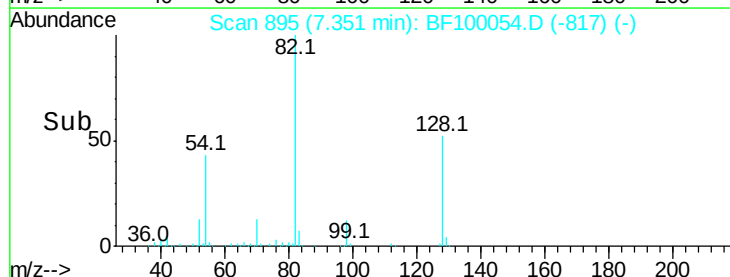


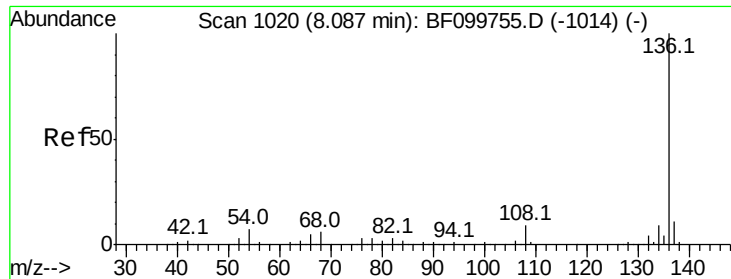
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

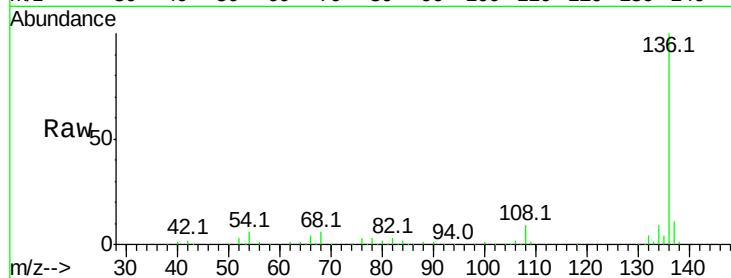




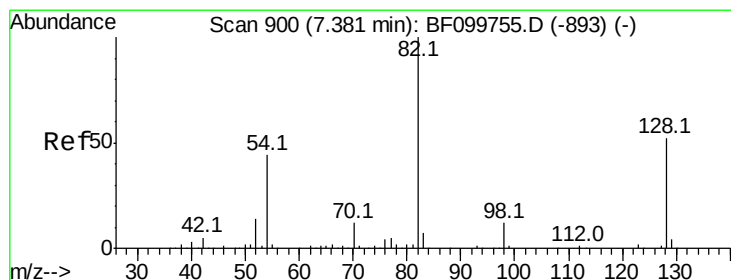
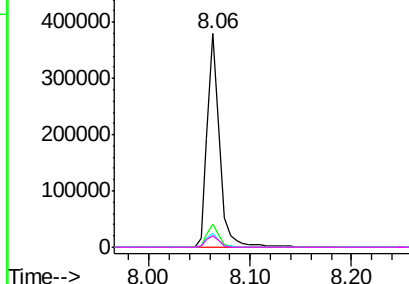
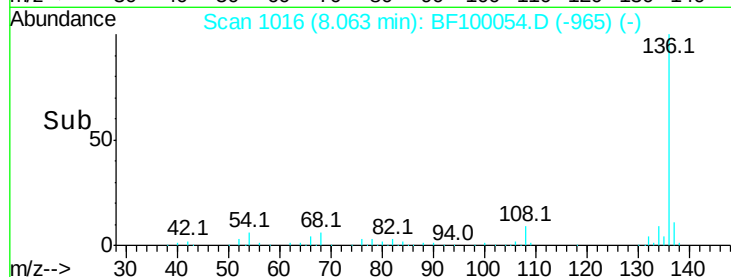
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Instrument :
BNA_F
ClientSampleID :

Tot Ion:	136	Resp:	320750
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.5	5.0	7.4

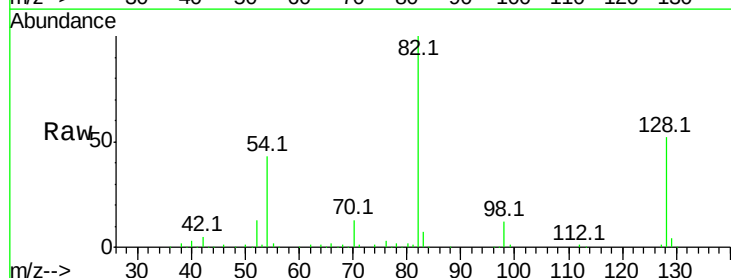


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

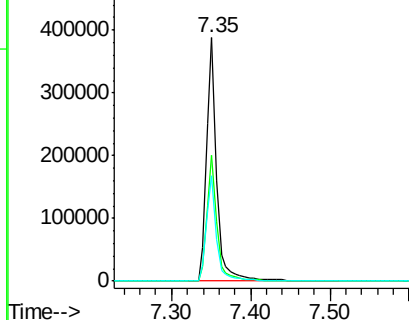
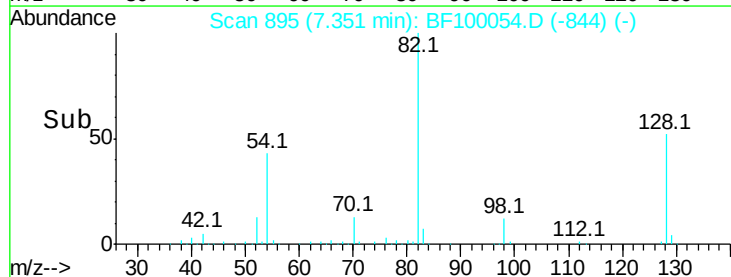


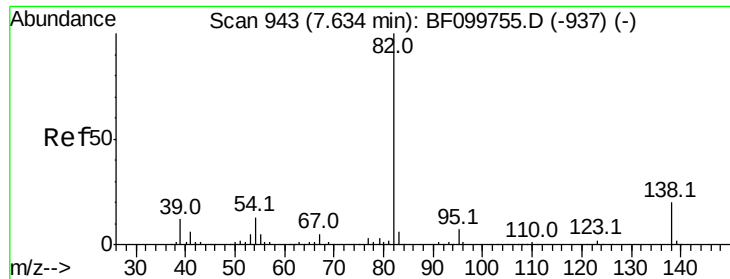
#23
Nitrobenzene-d5
Concen: 70.774 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Tgt Ion:	82	Resp:	352601
Ion	Ratio	Lower	Upper
82	100		
128	51.5	36.1	54.1
54	43.3	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

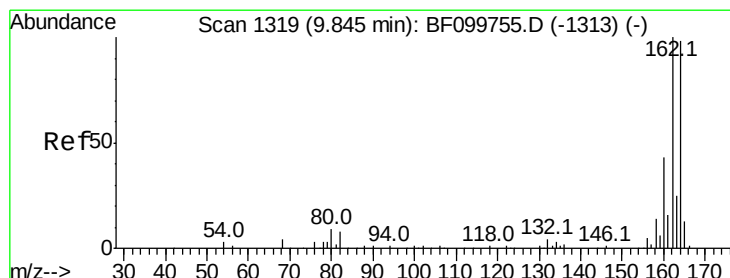
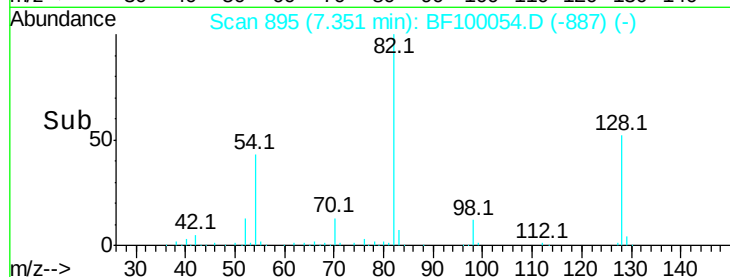
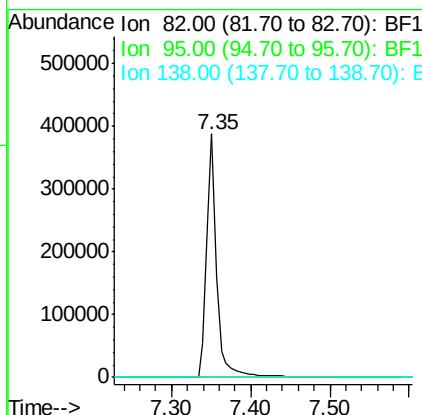
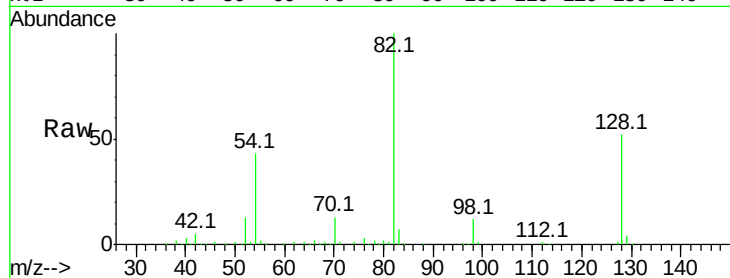




#25
Isophorone
Concen: 39.003 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.25 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

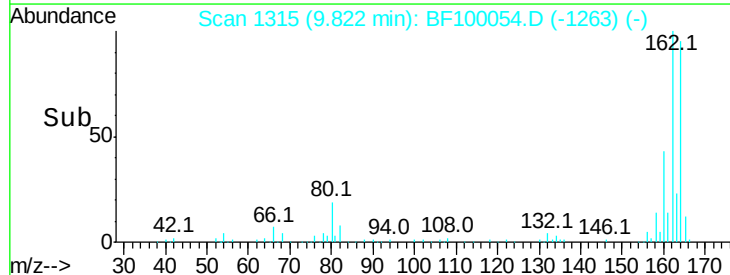
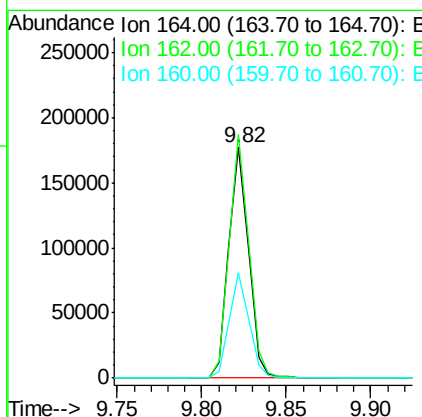
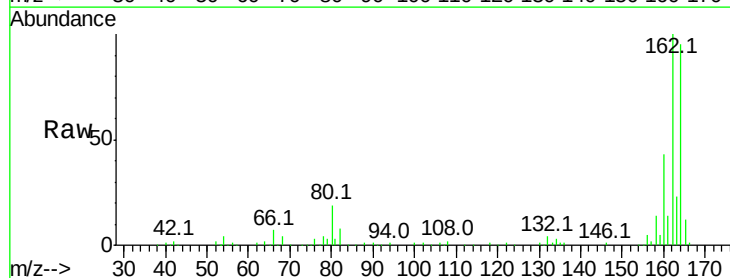
Instrument :
BNA_F
ClientSampleId :

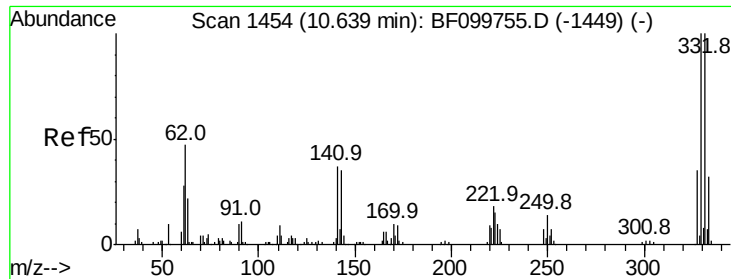
Tot Ion: 82 Resp: 352601
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Tgt Ion:164 Resp: 144577
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 45.8 38.3 57.5

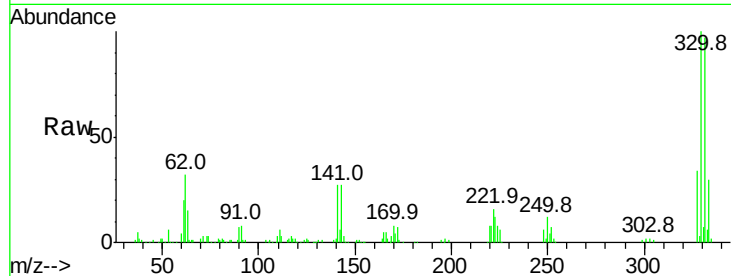




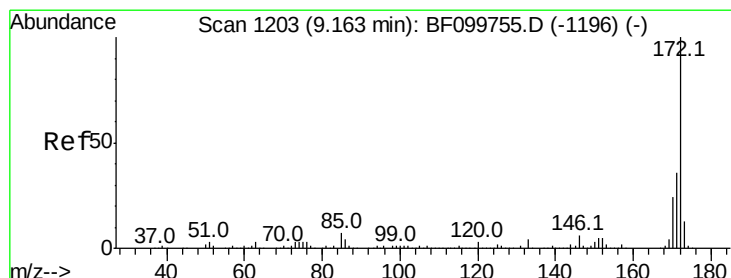
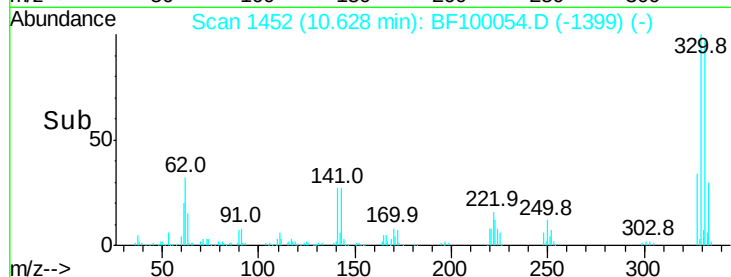
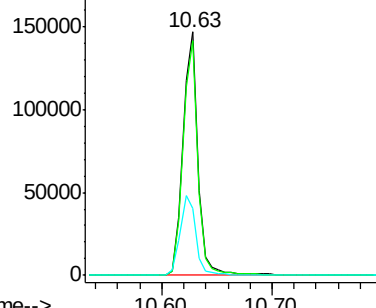
#41
 2,4,6-Tribromophenol
 Concen: 102.396 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.3	29.9	44.9

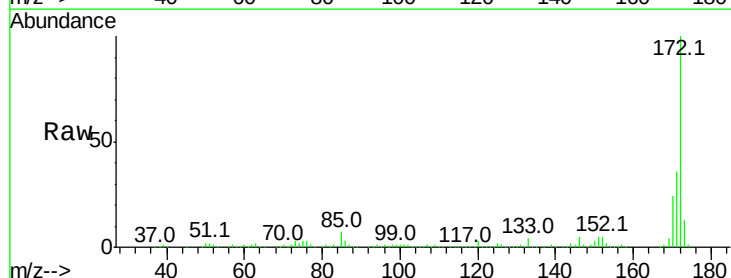


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

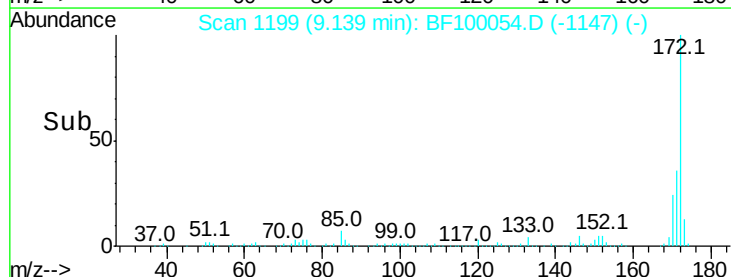
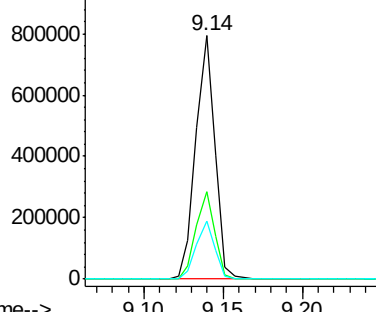


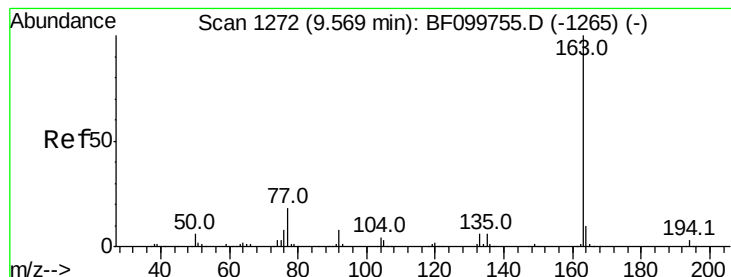
#44
 2-Fluorobiphenyl
 Concen: 71.208 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	19.6	29.4



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





#49

Dimethylphthalate

Concen: 10.035 ng

RT: 9.54 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Instrument :

BNA_F

ClientSampleId :

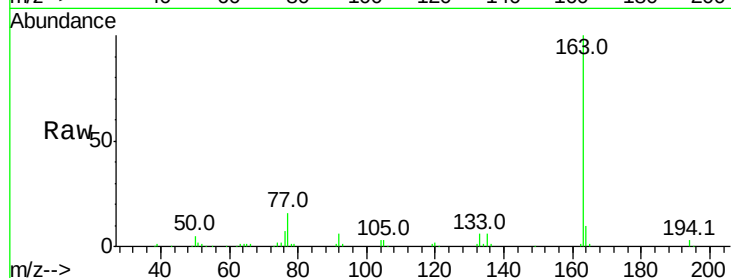
Tot Ion:163 Resp: 114891

Ion Ratio Lower Upper

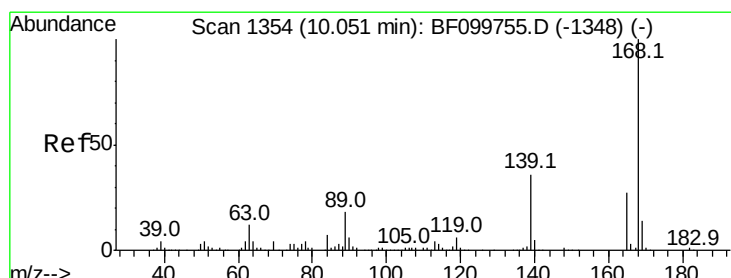
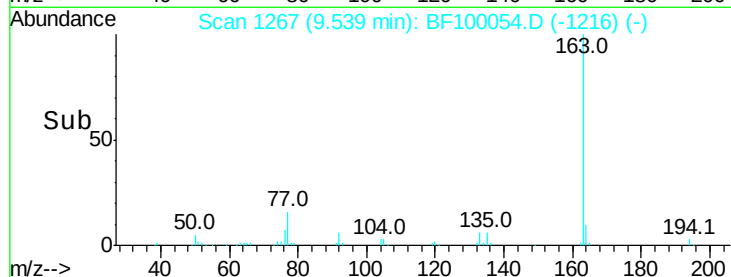
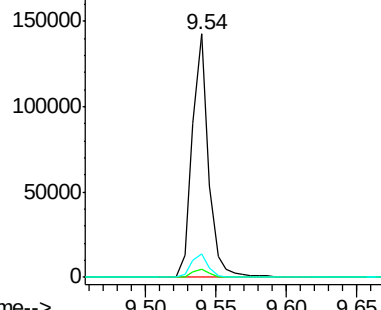
163 100

194 3.4 2.7 4.1

164 9.9 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



#56

2,4-Dinitrotoluene

Concen: 6.111 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.21 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Tgt Ion:165 Resp: 17712

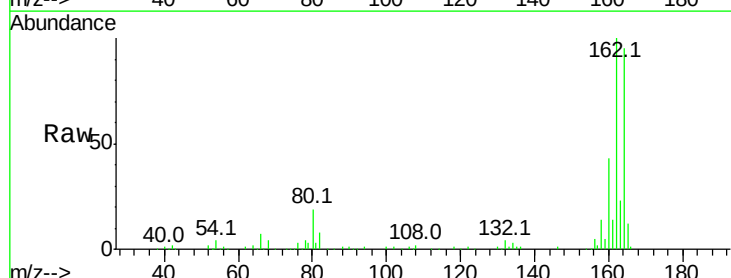
Ion Ratio Lower Upper

165 100

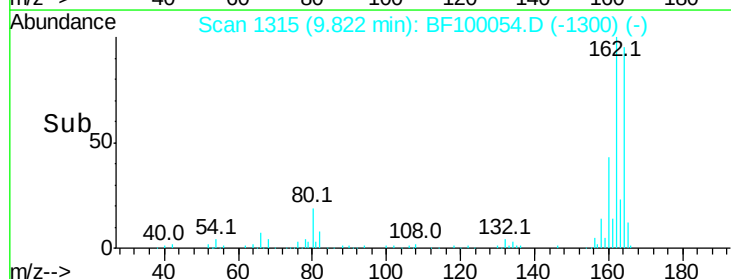
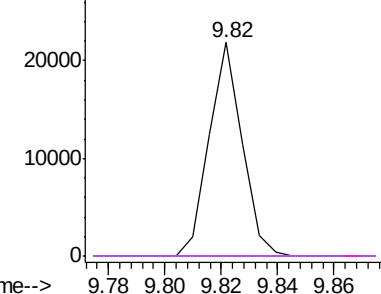
63 0.0 36.4 54.6#

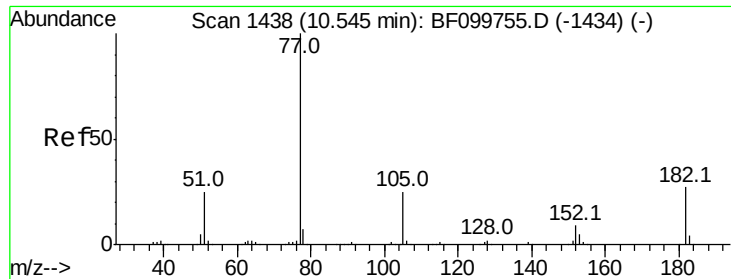
89 0.0 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 4.259 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 39918

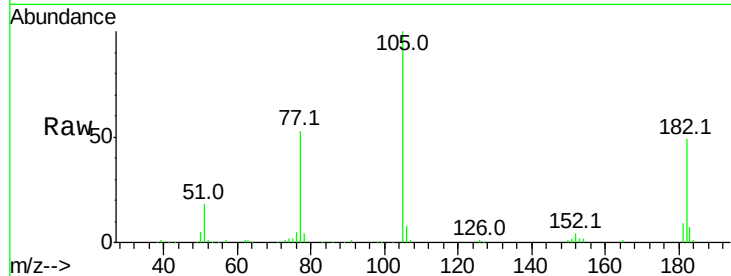
Ion Ratio Lower Upper

77 100

182 92.7 1.7 41.7#

105 187.3 3.0 43.0#

51 34.3 9.9 49.9

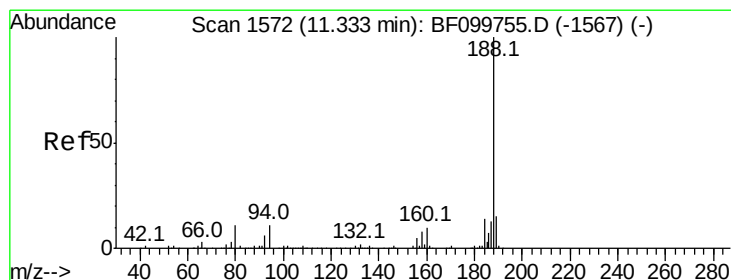
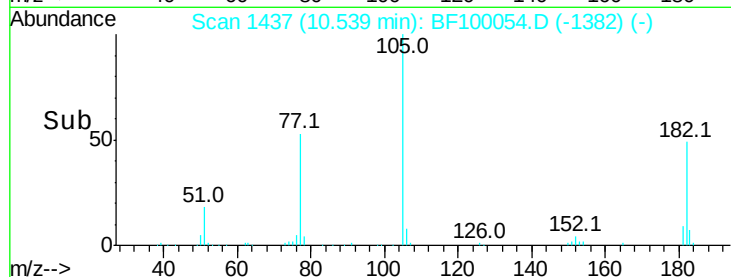
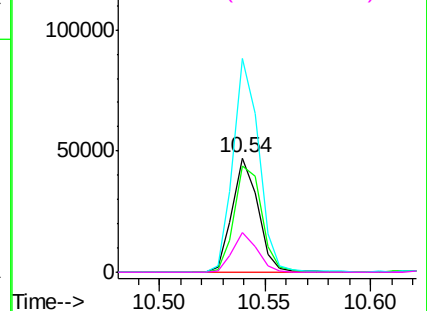


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.04 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

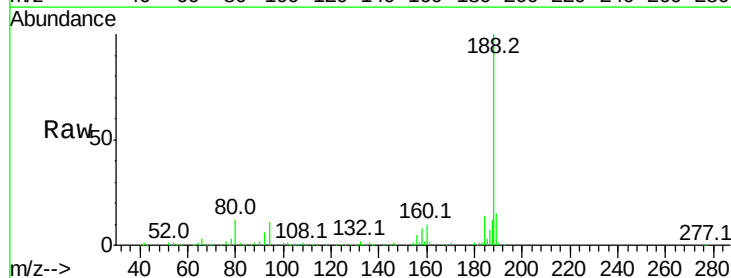
Tgt Ion: 188 Resp: 239128

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

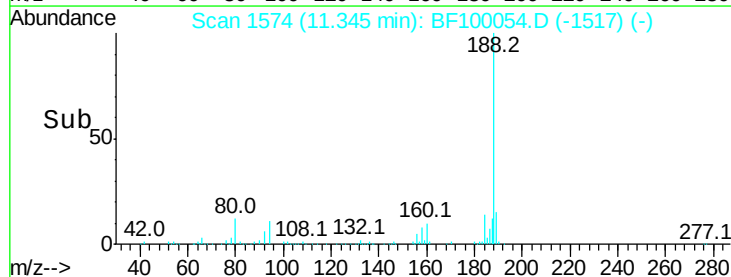
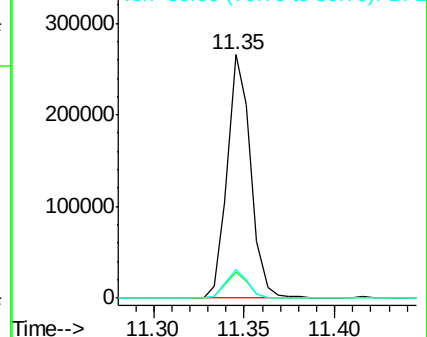
80 11.6 9.2 13.8

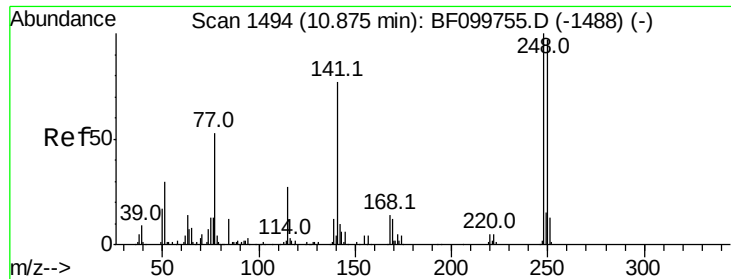


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

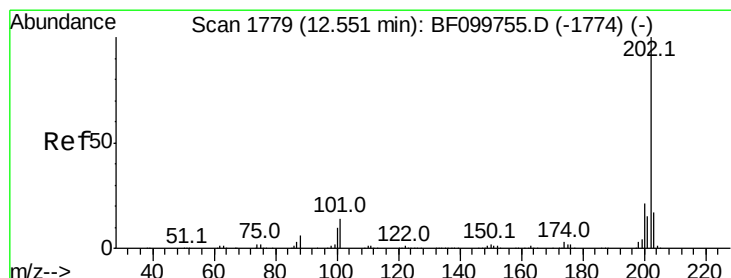
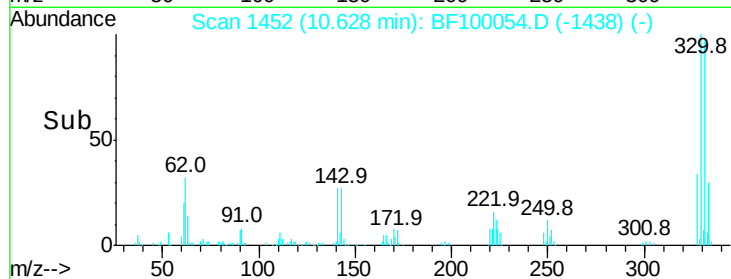
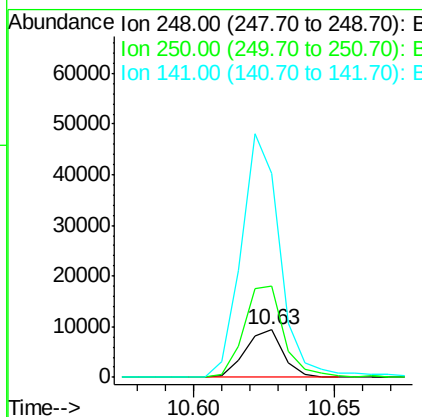
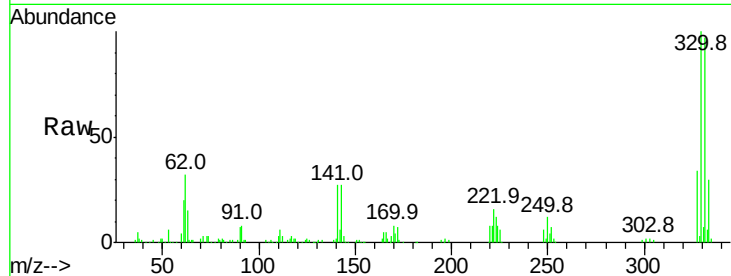




#66
 4-Bromophenyl-phenylether
 Concen: 3.428 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.22 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

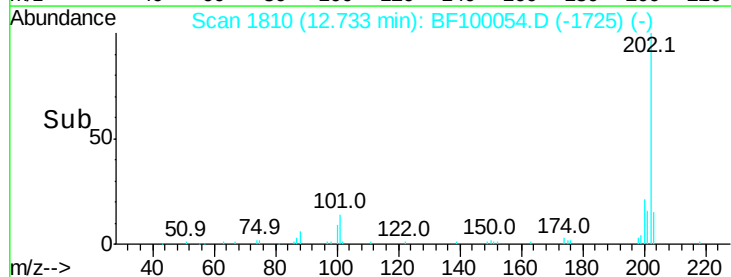
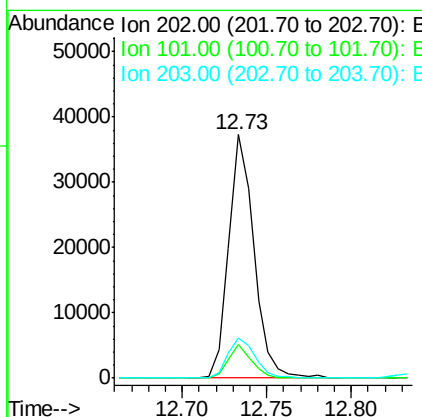
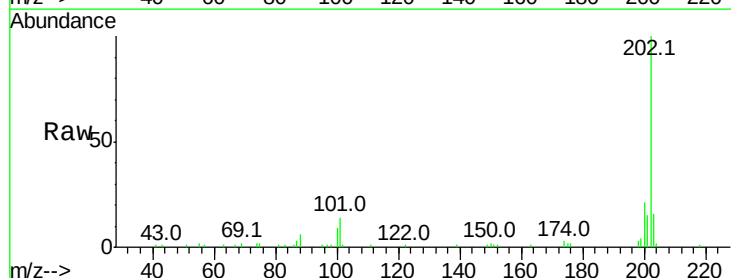
Instrument :
 BNA_F
 ClientSampleId :

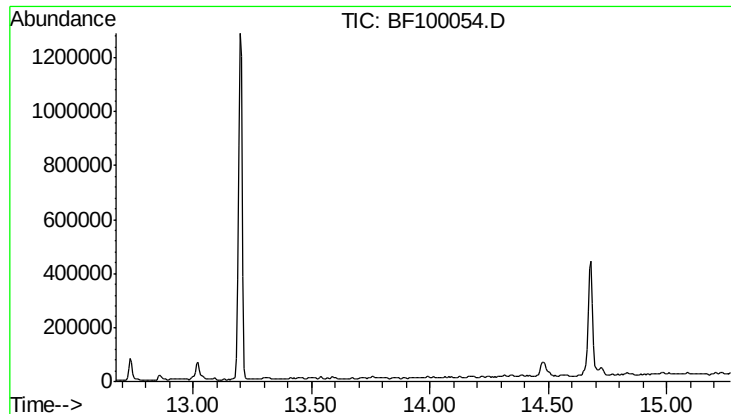
Tot Ion:248 Resp: 8629
 Ion Ratio Lower Upper
 248 100
 250 193.2 76.9 115.3#
 141 429.3 74.4 111.6#



#74
 Fluoranthene
 Concen: 2.762 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.20 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

Tgt Ion:202 Resp: 38729
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.1
 203 16.3 0.0 38.1

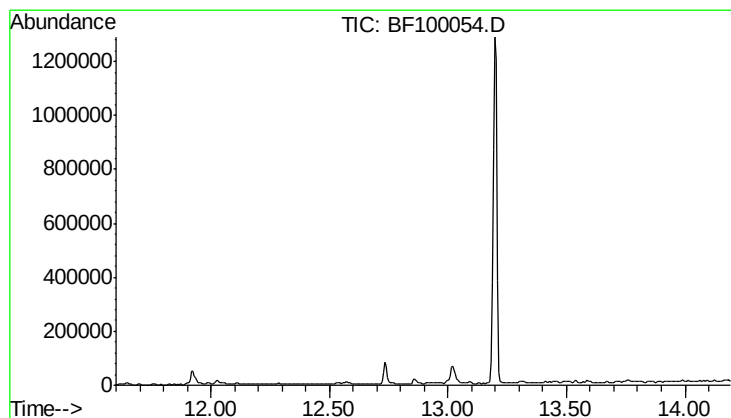
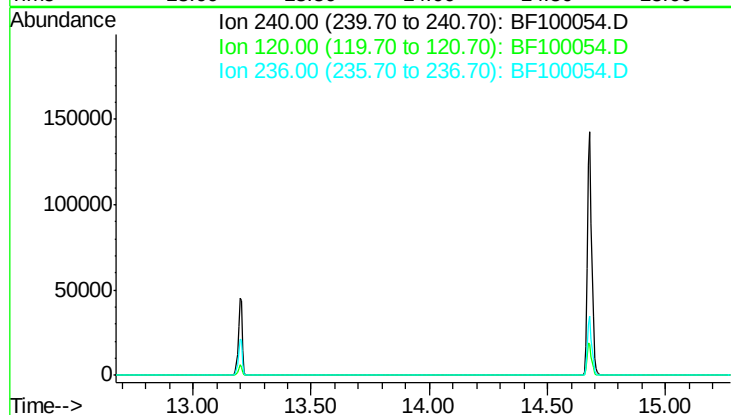




#75
 Chrvsene-d12
 Concen: 0.000 ng
 Expected RT: 13.97 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

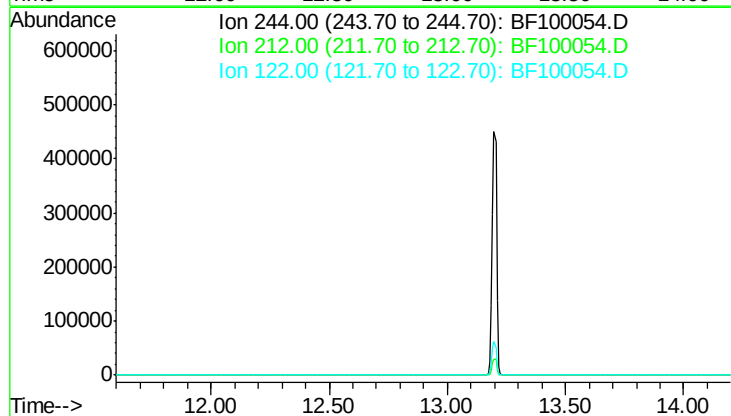
Instrument :
 BNA_F
 ClientSampleId :

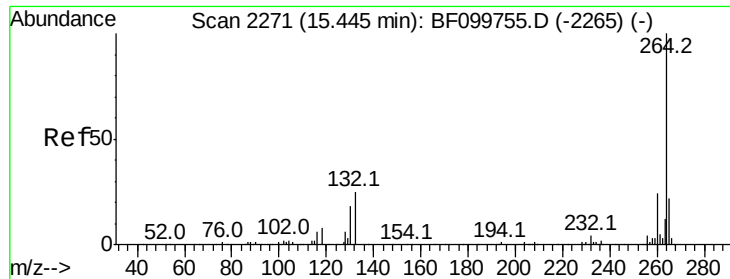
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 11.9
 236 25.9



#78
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 12.90 min
 Lab File: BF100054.D
 Acq: 1 Nov 2017 19:56

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 6.7
 122 13.7

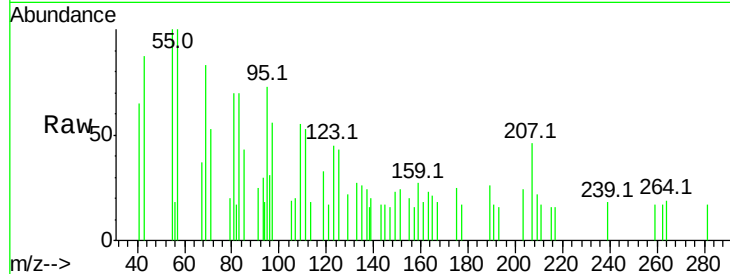




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.19 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

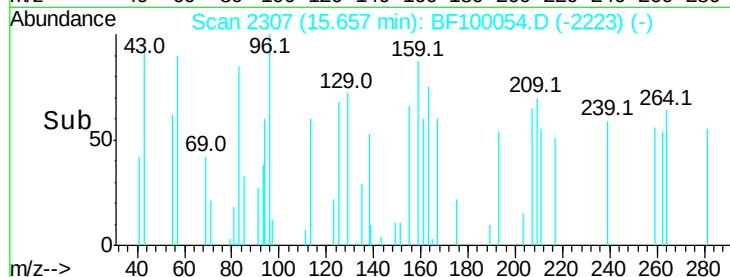
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 131
Ion Ratio Lower Upper
264 100
260 0.0 19.2 28.8#
265 0.0 17.5 26.3#

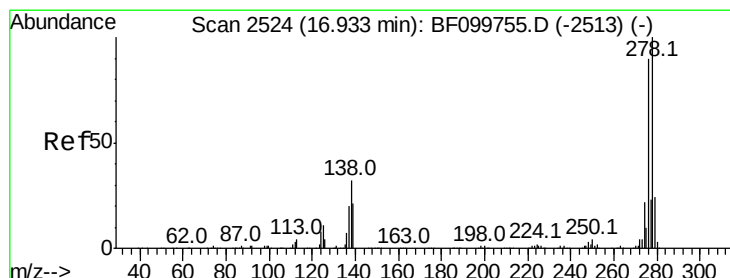


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

15.66

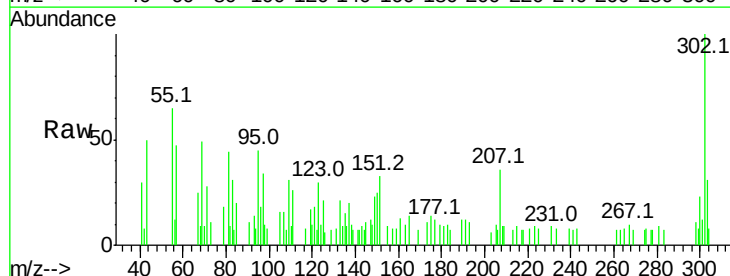


Time--> 15.64 15.66



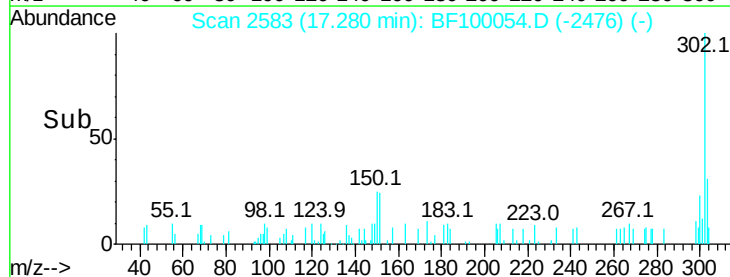
#90
Dibenzo(a,h)anthracene
Concen: 18.781 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.33 min
Lab File: BF100054.D
Acq: 1 Nov 2017 19:56

Tgt Ion:278 Resp: 124
Ion Ratio Lower Upper
278 100
139 91.4 15.9 23.9#
279 0.0 19.0 28.4#

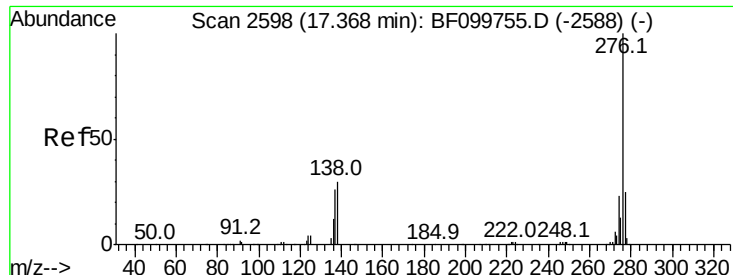


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

17.28



Time--> 17.26 17.28



#91

Benzo(a,h,i)perylene

Concen: 19.661 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.17 min

Lab File: BF100054.D

Acq: 1 Nov 2017 19:56

Instrument :

BNA_F

ClientSampleId :

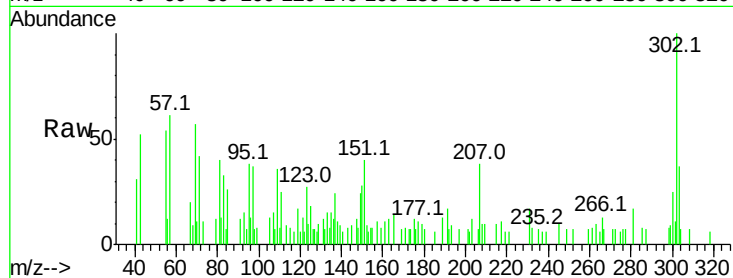
Tot Ion: 276 Resp: 127

Ion Ratio Lower Upper

276 100

277 99.4 17.9 26.9#

138 154.6 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

