

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100064.D
 Acq On : 2 Nov 2017 00:09
 Operator : SJ/JU
 Sample : I6247-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 01:41:51 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	6.77	152	80831	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	313195	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	133004	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	204358	20.00	ng	0.01
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.97
86) Perylene-d12	15.46	264	111	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	439505	85.36	ng	0.00
7) Phenol-d6	6.42	99	526273	86.21	ng	0.00
23) Nitrobenzene-d5	7.35	82	285930	58.78	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	93352	77.02	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	422713	49.03	ng	0.00
78) Terphenyl-d14	13.00	244	264261	0.00	ng	0.10

Target Compounds

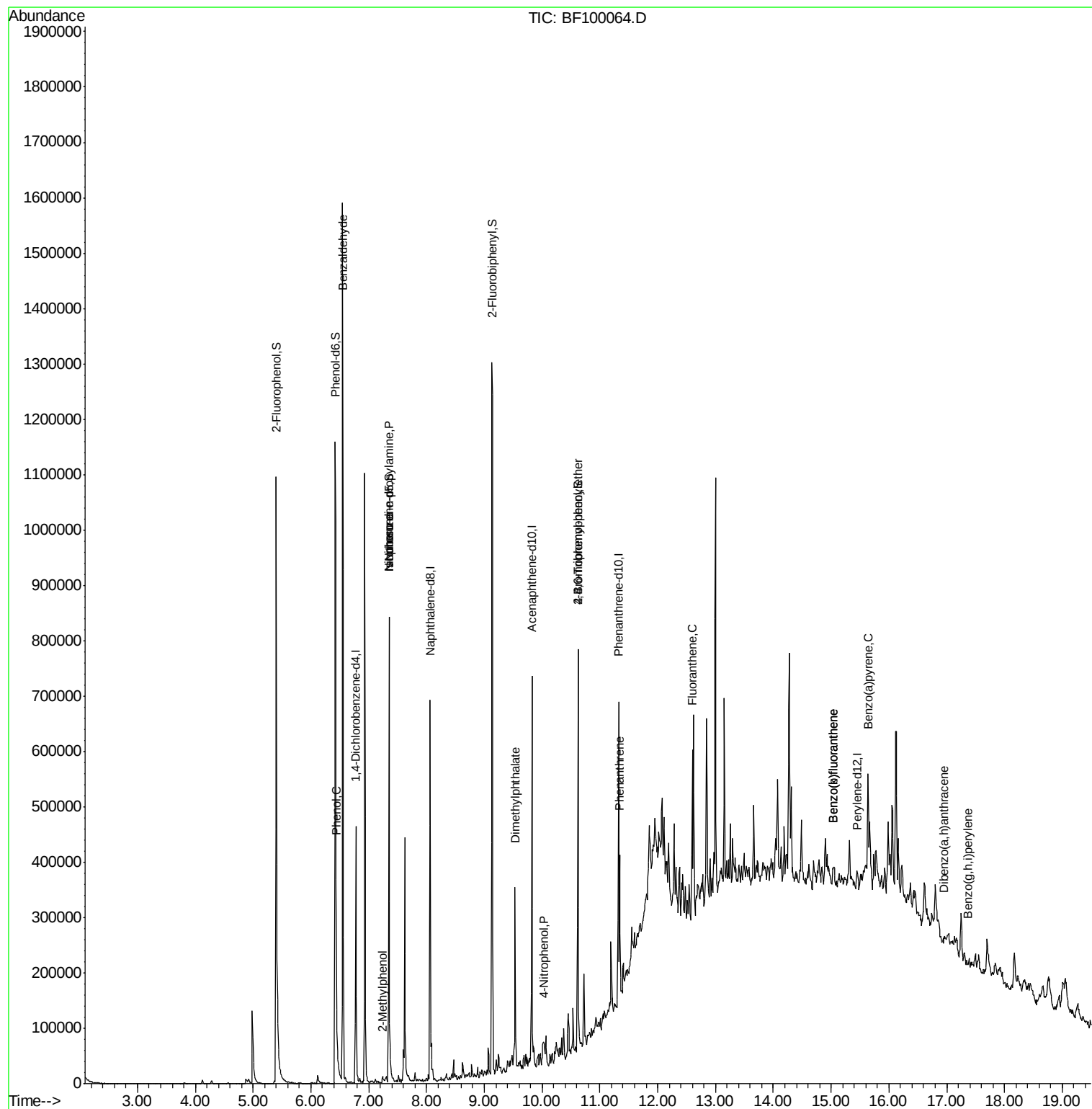
						Qvalue
9) Benzaldehyde	6.55	77	7836	2.148	ng	95
10) Phenol	6.44	94	25736	3.840	ng	89
17) 2-Methylphenol	7.24	107	9482	2.066	ng	# 67
19) n-Nitroso-di-n-propylamine	7.35	70	36943	10.326	ng	# 70
25) Isophorone	7.35	82	285930	32.391	ng	# 64
49) Dimethylphthalate	9.53	163	126309	11.992	ng	99
55) 4-Nitrophenol	10.03	139	3126	2.293	ng	# 39
66) 4-Bromophenyl-phenylether	10.62	248	6069	2.821	ng	# 1
70) Phenanthrene	11.34	178	94153	8.164	ng	98
74) Fluoranthene	12.60	202	129391	10.796	ng	97
87) Benzo(b)fluoranthene	15.05	252	2838	404.901	ng	# 1
88) Benzo(k)fluoranthene	15.05	252	2838	429.390	ng	# 1
89) Benzo(a)pyrene	15.64	252	119511	18981.600	ng	# 89
90) Dibenzo(a,h)anthracene	16.96	278	363	64.884	ng	# 1
91) Benzo(a,h,i)perylene	17.37	276	866	158.219	ng	# 1

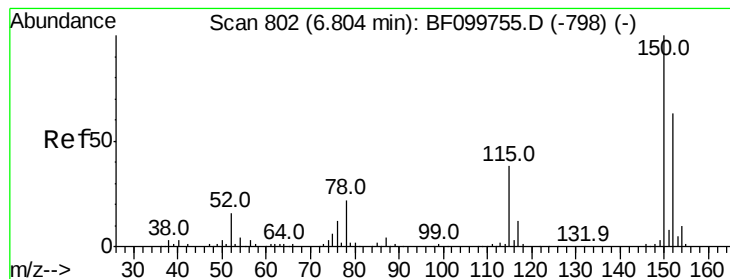
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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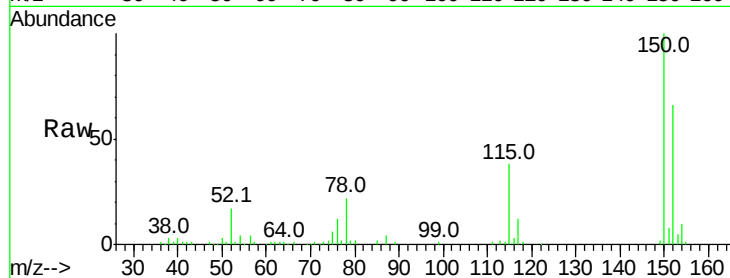


#1

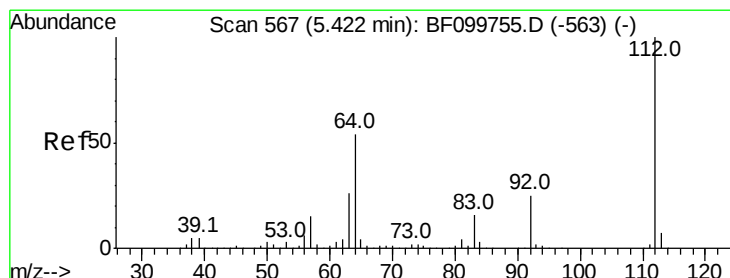
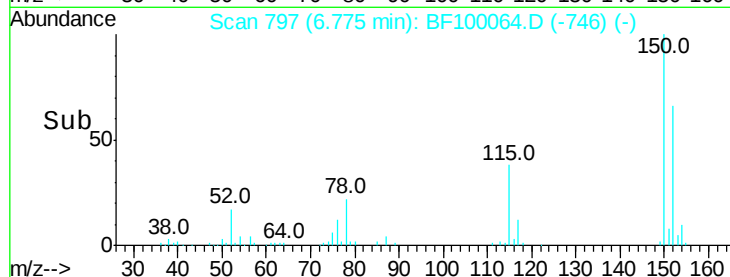
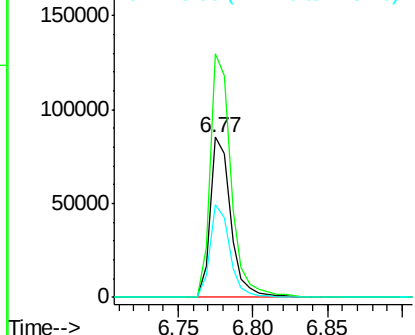
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80831
Ion Ratio Lower Upper
152 100
150 152.3 124.6 186.8
115 58.2 50.1 75.1



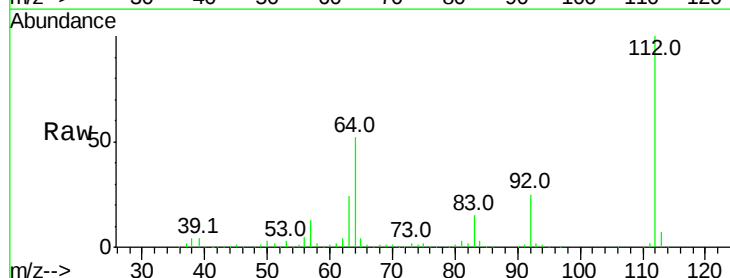
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



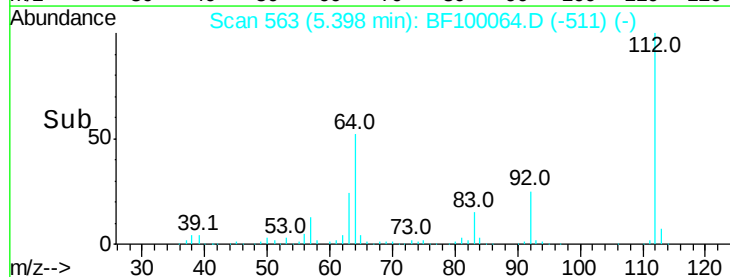
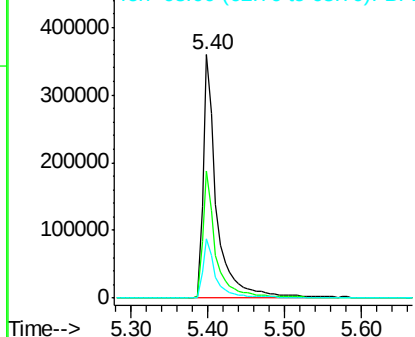
#5

2-Fluorophenol
Concen: 85.364 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

Tgt Ion:112 Resp: 439505
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 24.3 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: 86.207 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

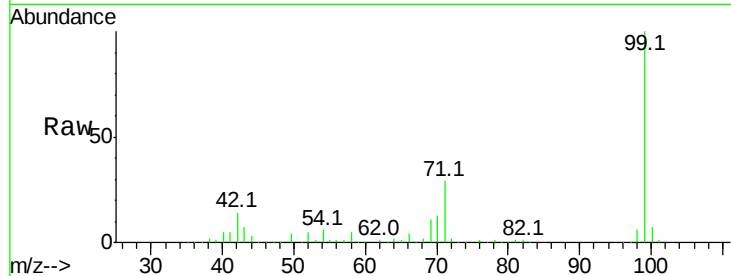
Tot Ion: 99 Resp: 526273

Ion Ratio Lower Upper

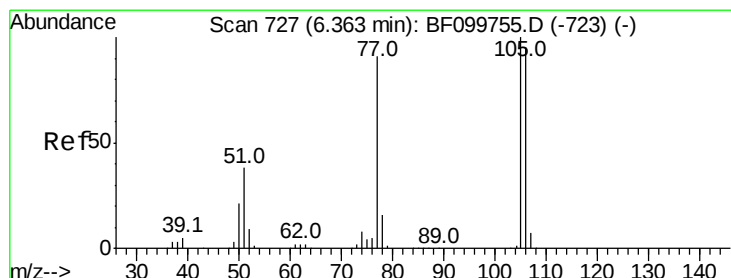
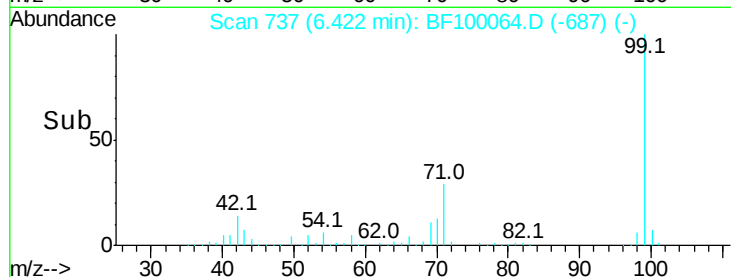
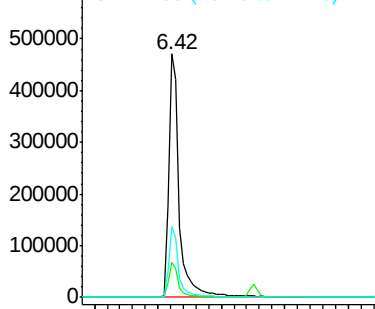
99 100

42 14.3 14.5 21.7#

71 29.2 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: 2.148 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.21 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

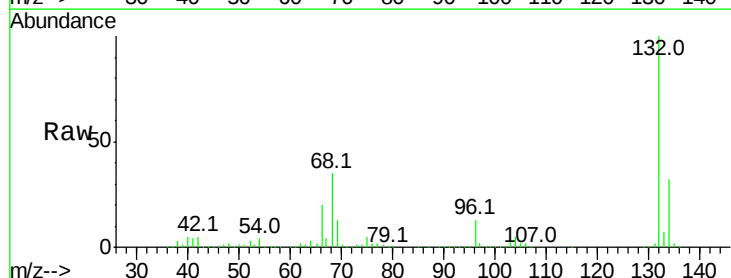
Tgt Ion: 77 Resp: 7836

Ion Ratio Lower Upper

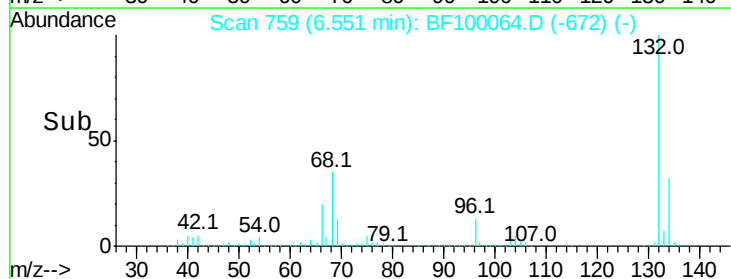
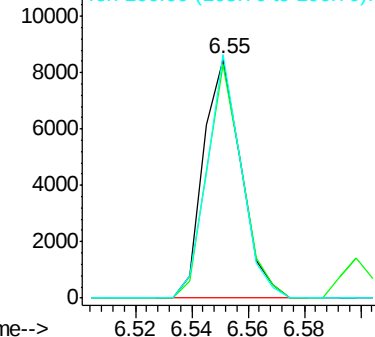
77 100

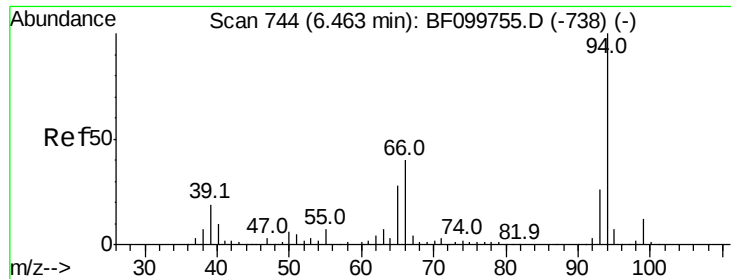
105 97.6 81.1 121.1

106 101.8 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: 3.840 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampled :

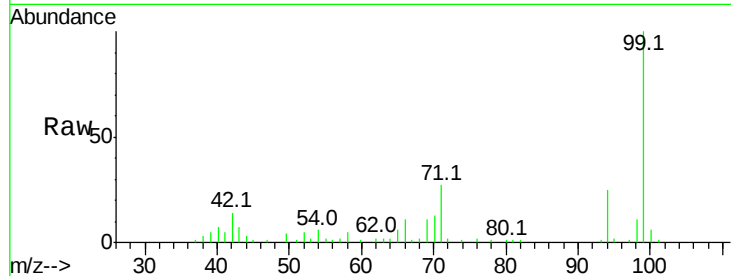
Tot Ion: 94 Resp: 25736

Ion Ratio Lower Upper

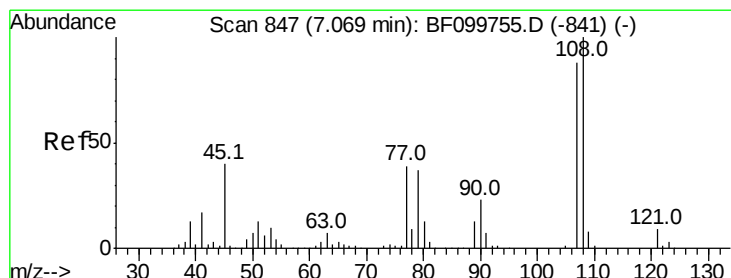
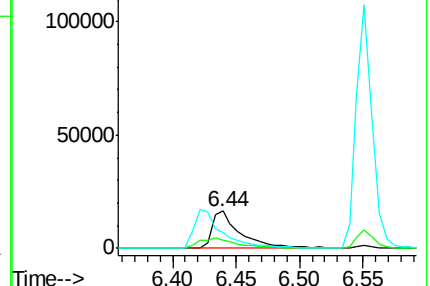
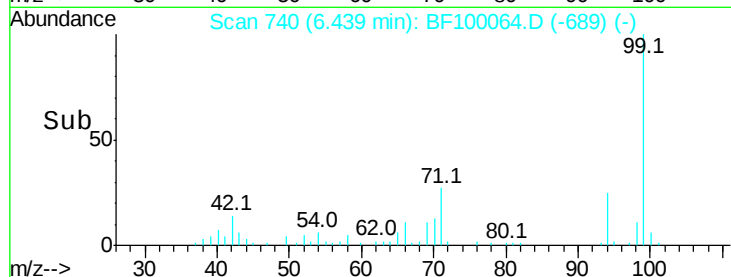
94 100

65 22.5 7.9 47.9

66 42.9 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



#17

2-Methylphenol

Concen: 2.066 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.19 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Tgt Ion:107 Resp: 9482

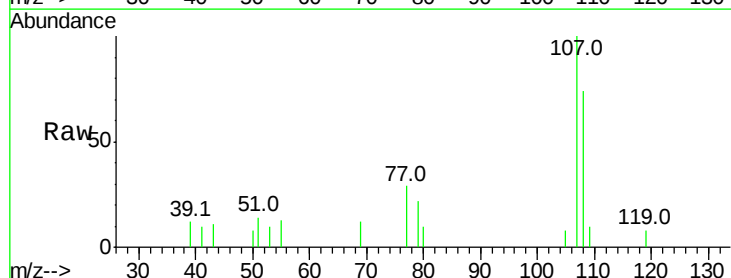
Ion Ratio Lower Upper

107 100

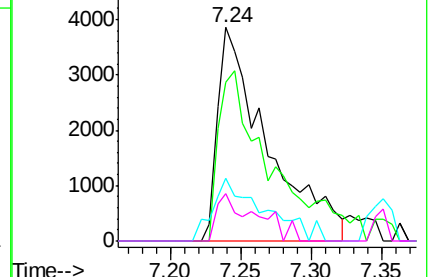
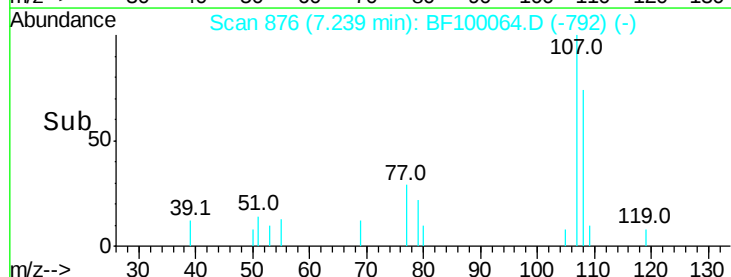
108 74.4 91.7 137.5#

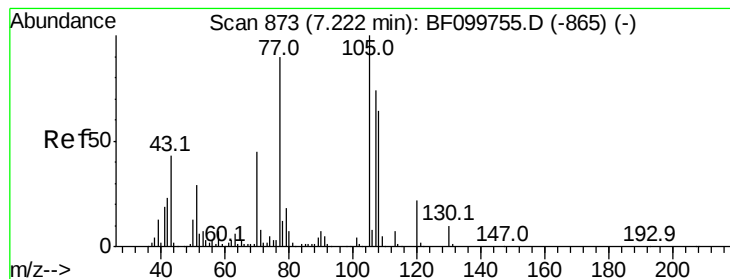
77 29.2 33.8 50.8#

79 22.0 33.8 50.8#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.326 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 36943

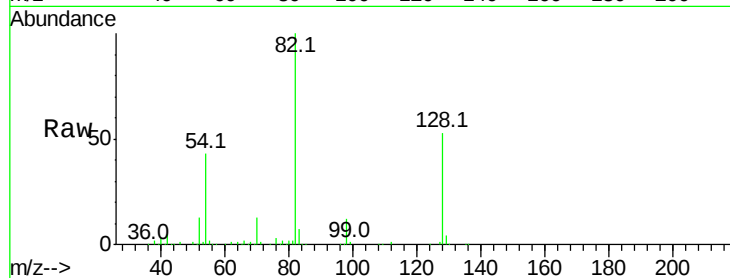
Ion Ratio Lower Upper

70 100

42 38.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

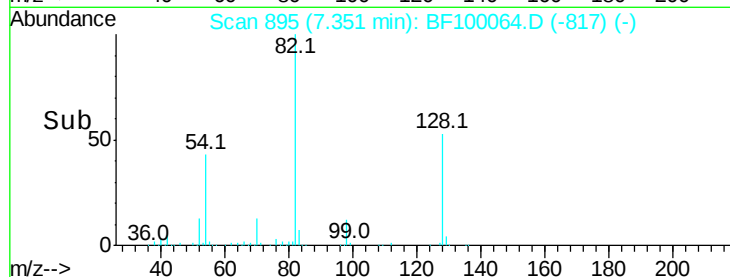


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



Abundance Ion 70.00 (69.70 to 70.70): BF1

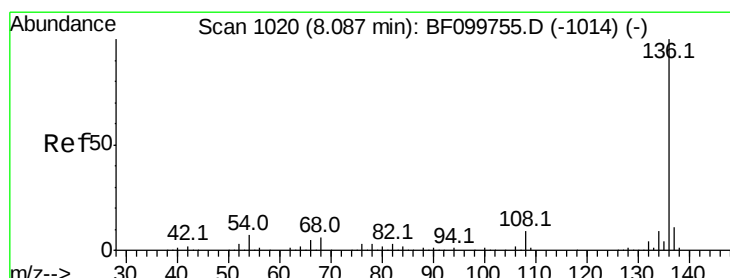
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->

7.30 7.35 7.40 7.45



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Tgt Ion:136 Resp: 313195

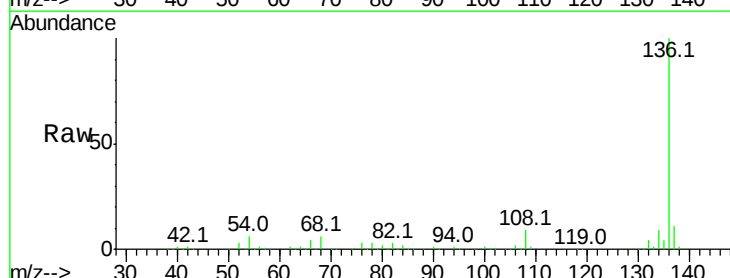
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 5.7 5.0 7.4

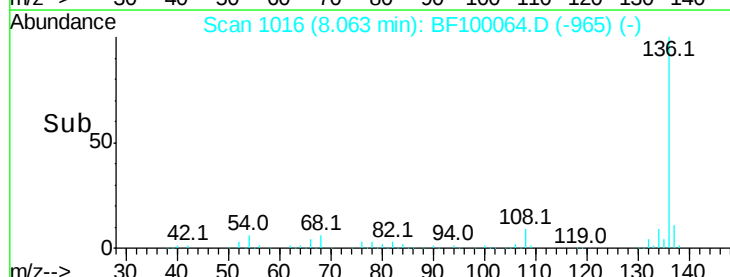


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Abundance Ion 136.00 (135.70 to 136.70): BF1

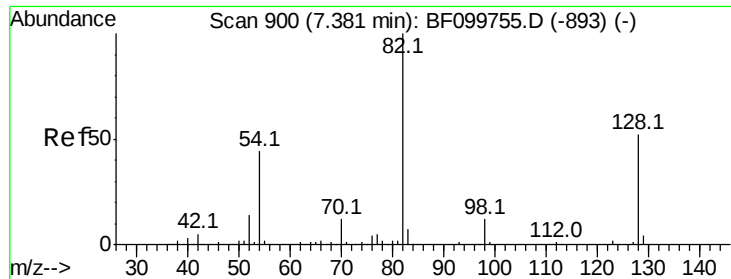
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->

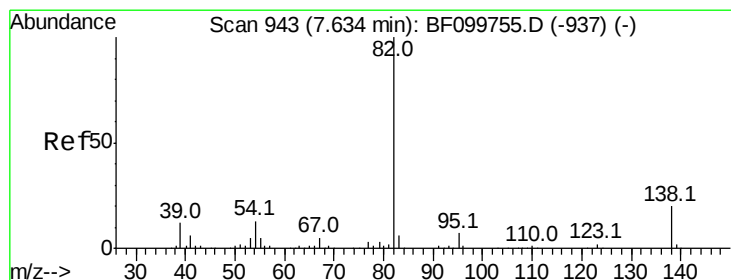
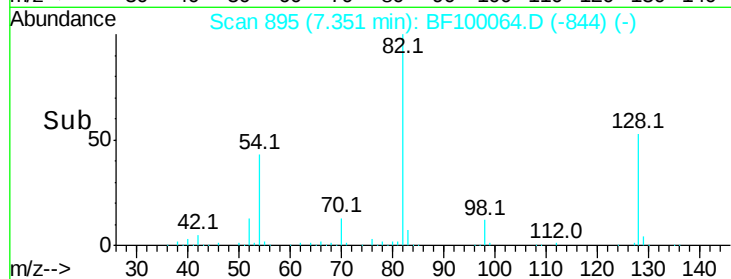
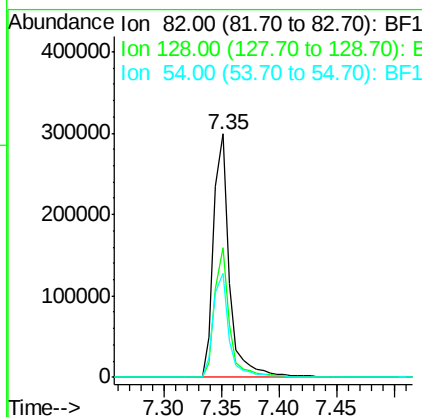
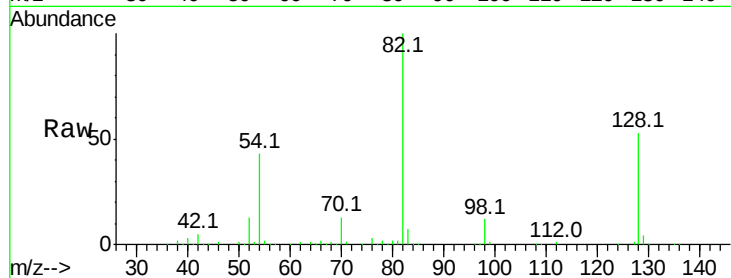
8.00 8.10 8.20



#23
 Nitrobenzene-d5
 Concen: 58.776 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF100064.D
 Acq: 2 Nov 2017 00:09

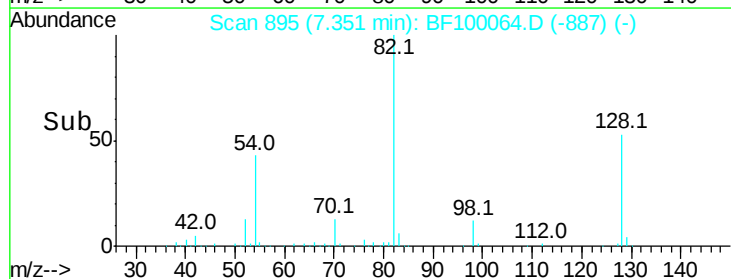
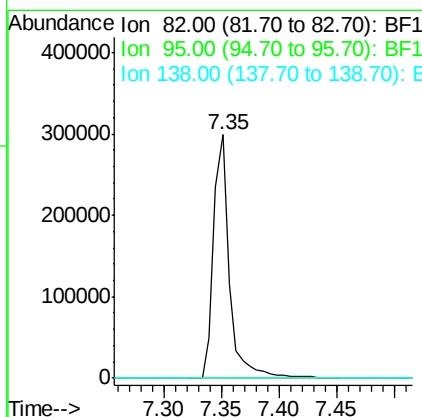
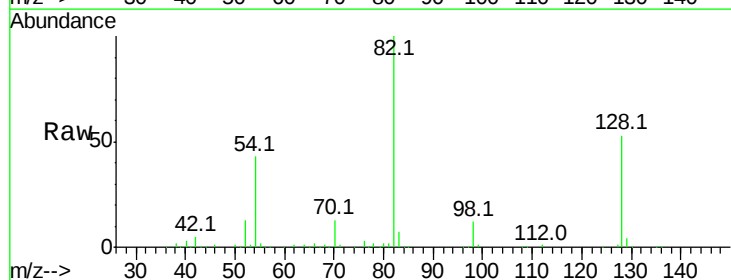
Instrument :
 BNA_F
 ClientSampleId :

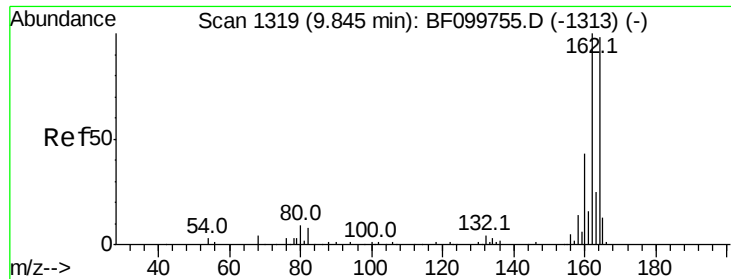
Tot Ion:	82	Resp:	285930
Ion	Ratio	Lower	Upper
82	100		
128	53.1	36.1	54.1
54	43.0	41.4	62.2



#25
 Isophorone
 Concen: 32.391 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.25 min
 Lab File: BF100064.D
 Acq: 2 Nov 2017 00:09

Tgt Ion:	82	Resp:	285930
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: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

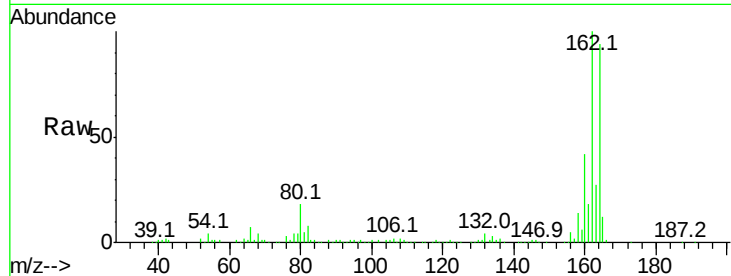
Tot Ion:164 Resp: 133004

Ion Ratio Lower Upper

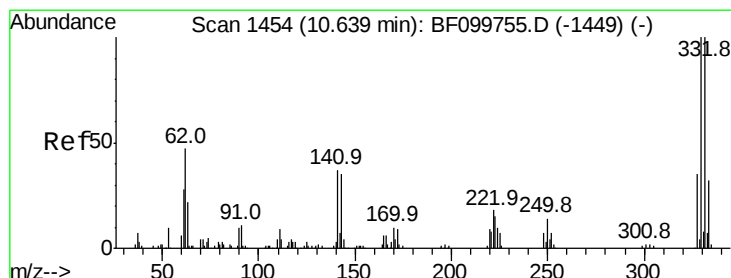
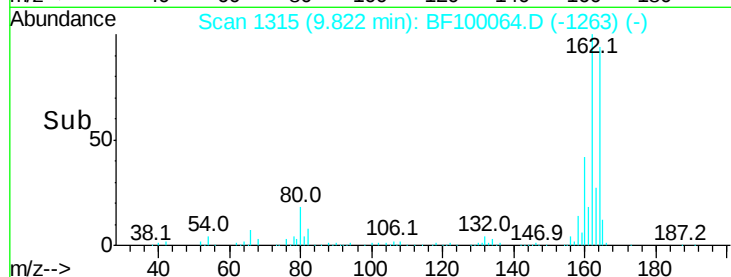
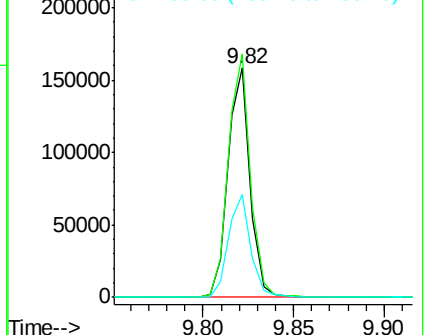
164 100

162 106.3 86.1 129.1

160 44.7 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: 77.018 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

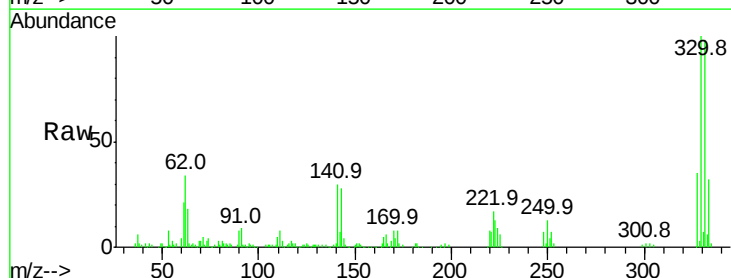
Tgt Ion:330 Resp: 93352

Ion Ratio Lower Upper

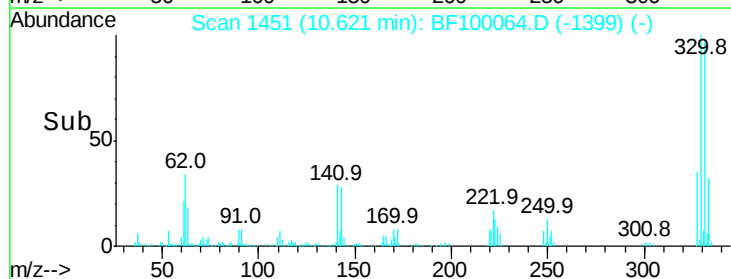
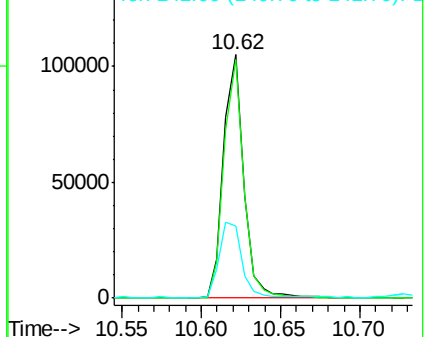
330 100

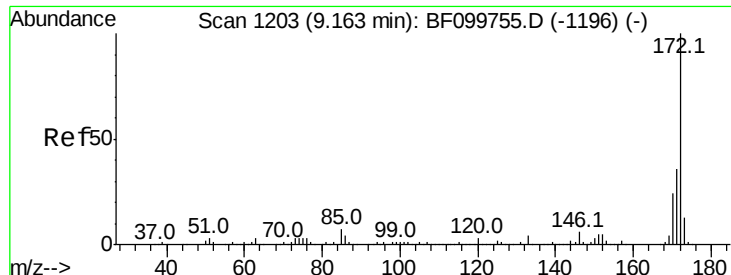
332 96.5 77.0 115.6

141 34.5 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

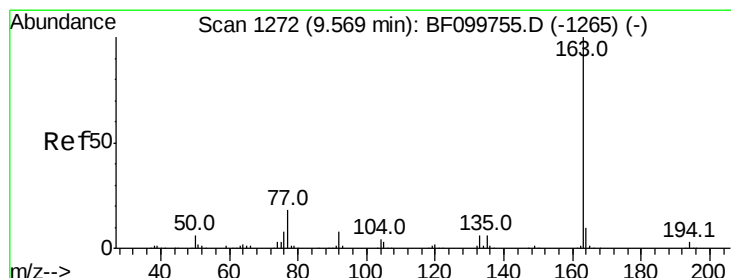
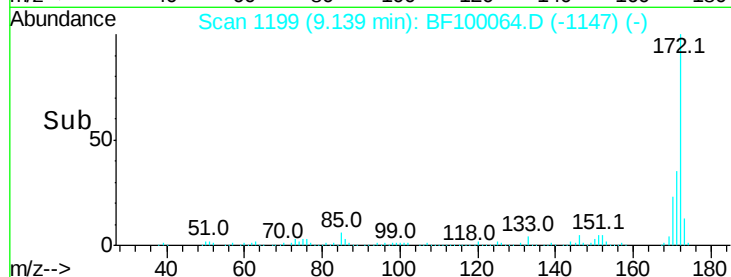
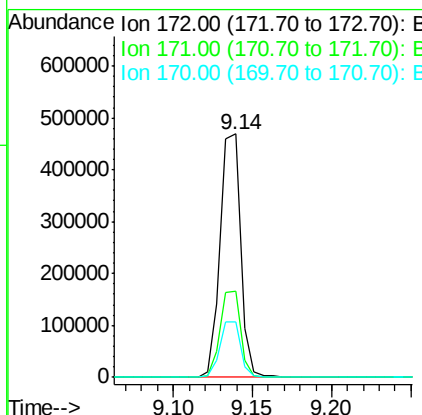
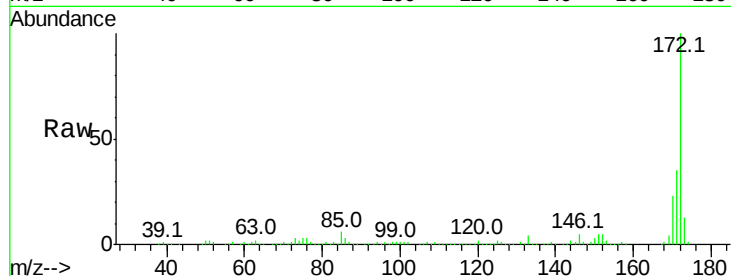




#44
2-Fluorobiphenyl
Concen: 49.034 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

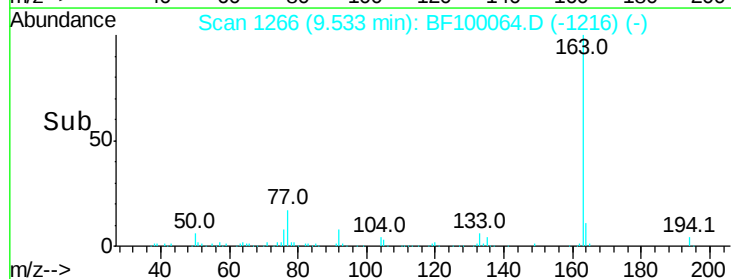
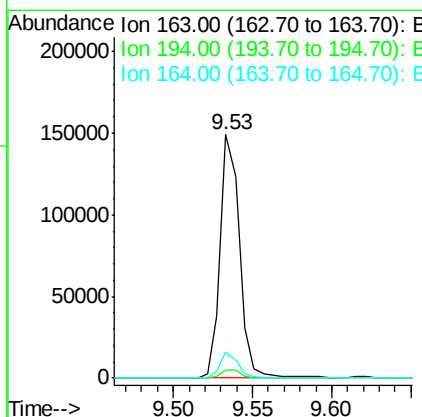
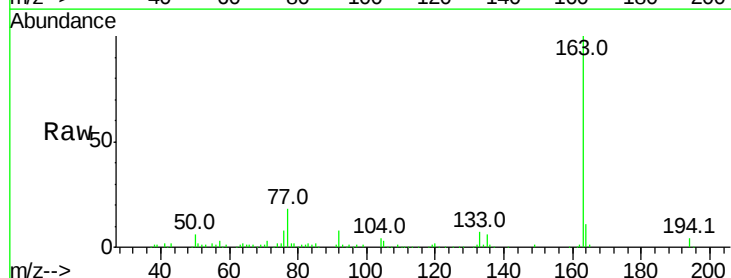
Instrument :
BNA_F
ClientSampleId :

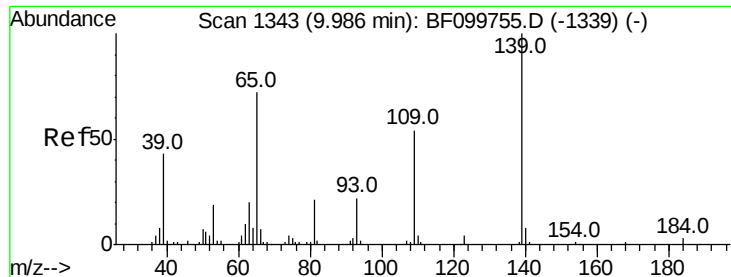
Tot Ion:172 Resp: 422713
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 22.6 19.6 29.4



#49
Dimethylphthalate
Concen: 11.992 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

Tgt Ion:163 Resp: 126309
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.7 8.2 12.2





#55

4-Nitrophenol

Concen: 2.293 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.05 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

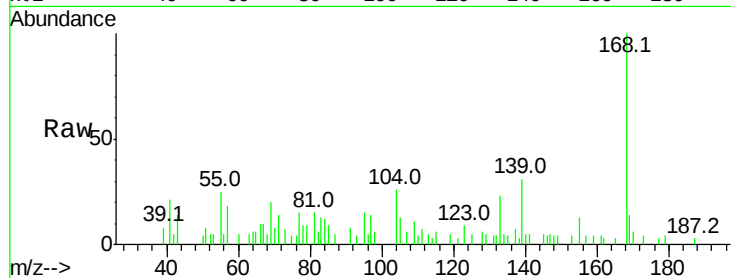
Tot Ion:139 Resp: 3126

Ion Ratio Lower Upper

139 100

109 36.4 48.4 88.4#

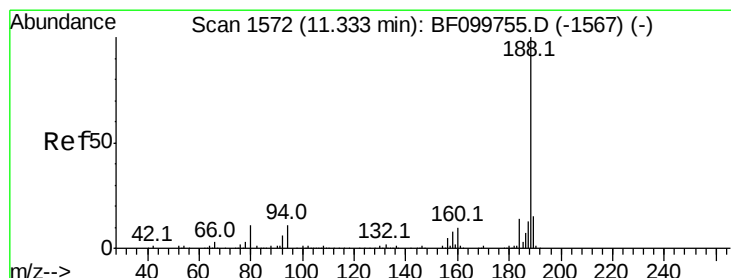
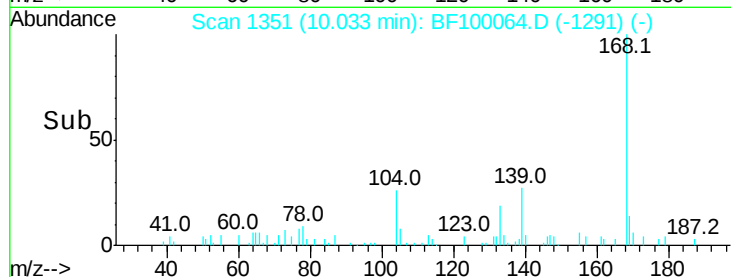
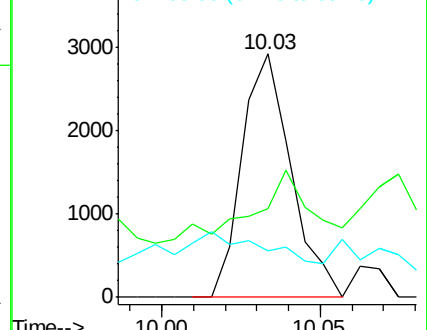
65 19.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

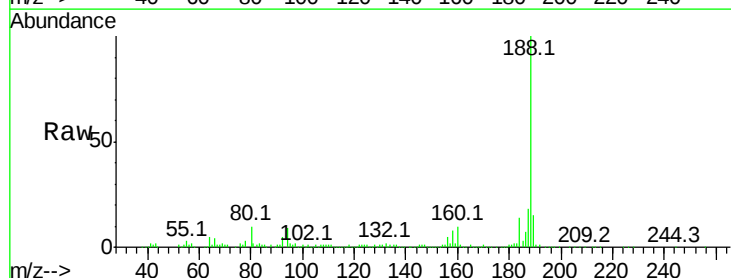
Tgt Ion:188 Resp: 204358

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

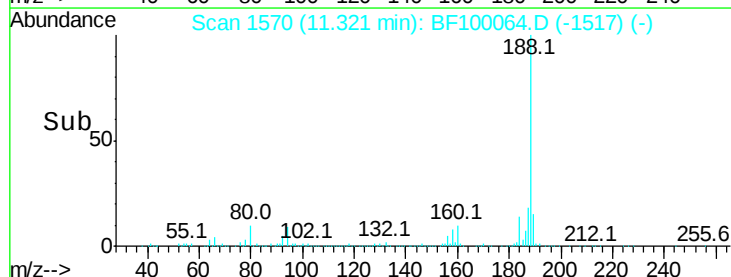
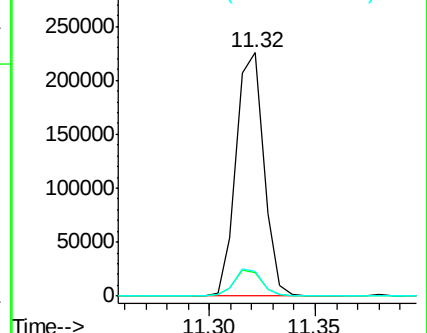
80 10.1 9.2 13.8



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

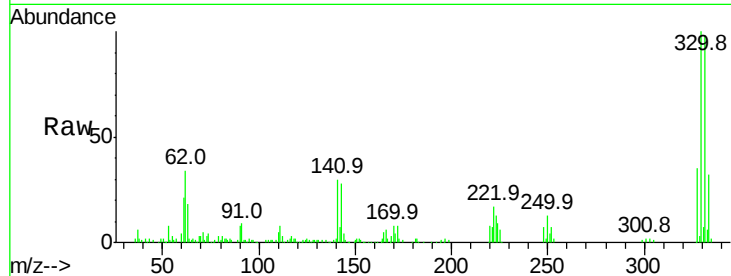




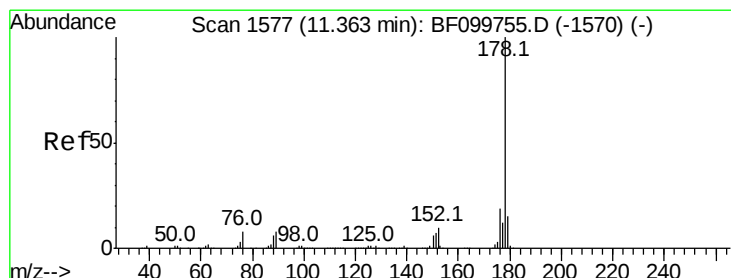
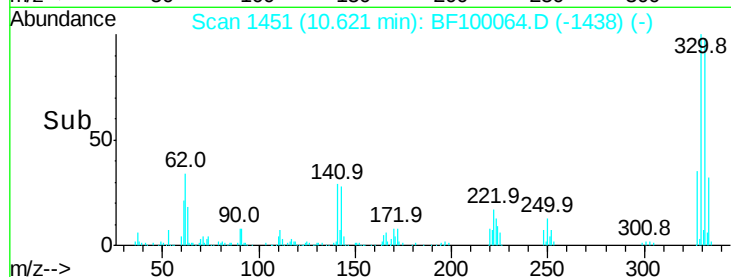
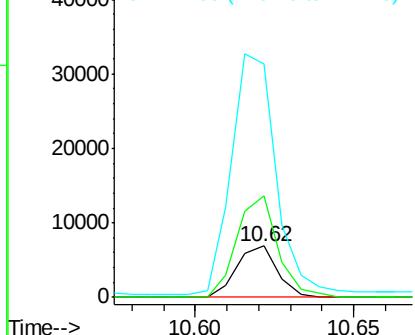
#66
 4-Bromophenyl-phenylether
 Concen: 2.821 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.22 min
 Lab File: BF100064.D
 Acq: 2 Nov 2017 00:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6069
 Ion Ratio Lower Upper
 248 100
 250 199.6 76.9 115.3#
 141 456.3 74.4 111.6#

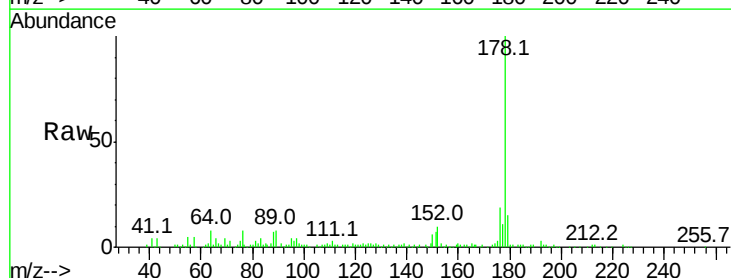


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

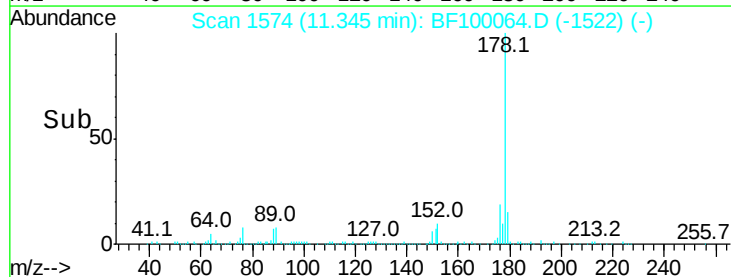
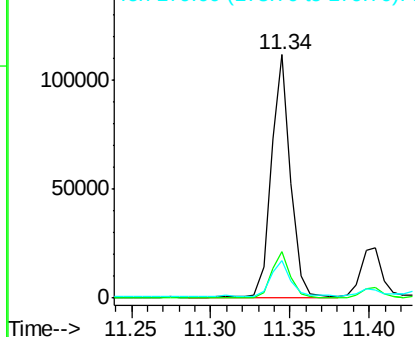


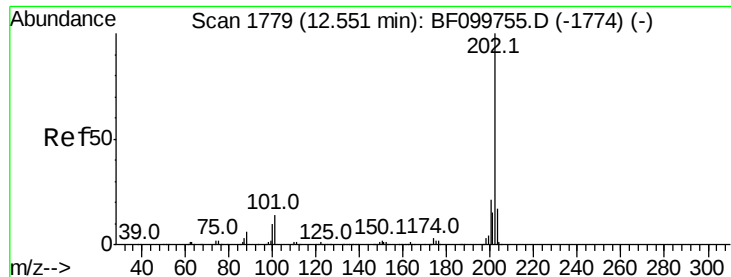
#70
 Phenanthrene
 Concen: 8.164 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF100064.D
 Acq: 2 Nov 2017 00:09

Tgt Ion:178 Resp: 94153
 Ion Ratio Lower Upper
 178 100
 176 19.0 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





#74

Fluoranthene

Concen: 10.796 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.06 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

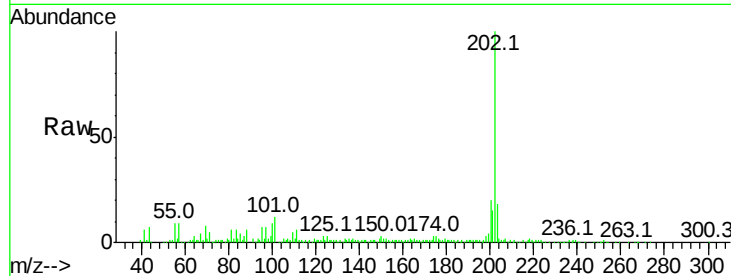
Tot Ion: 202 Resp: 129391

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

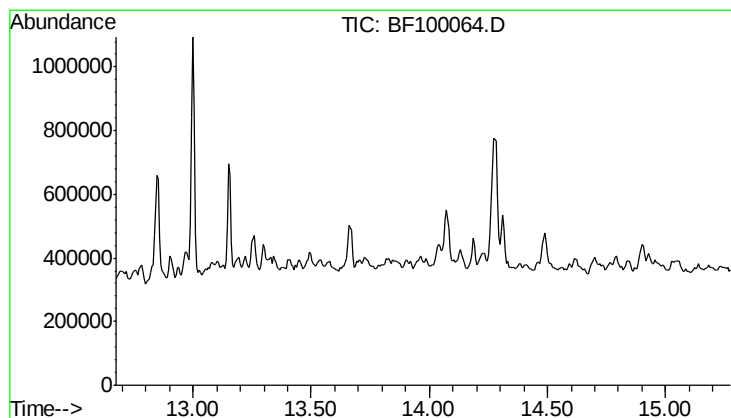
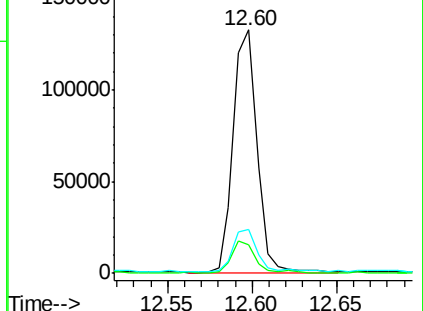
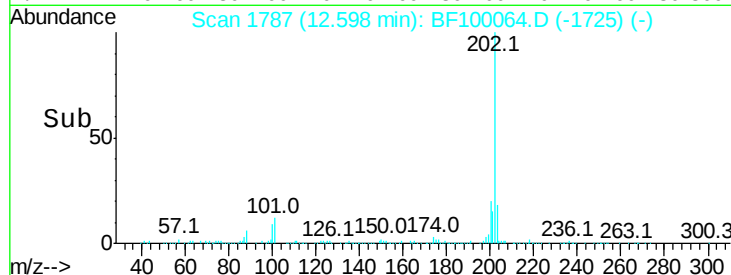
203 18.0 0.0 38.1



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: 0.000 ng

Expected RT: 13.97 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

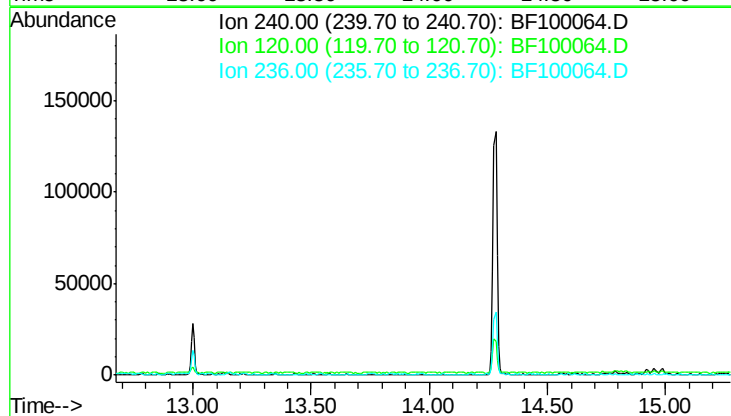
Tgt Ion: 240

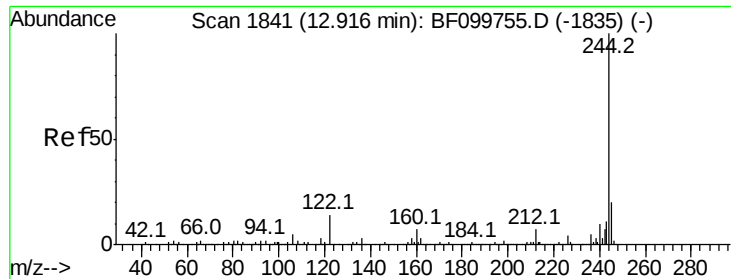
Sig Exp Ratio

240 100

120 11.9

236 25.9





#78

Terphenyl-d14

Concen: 0.000 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.10 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

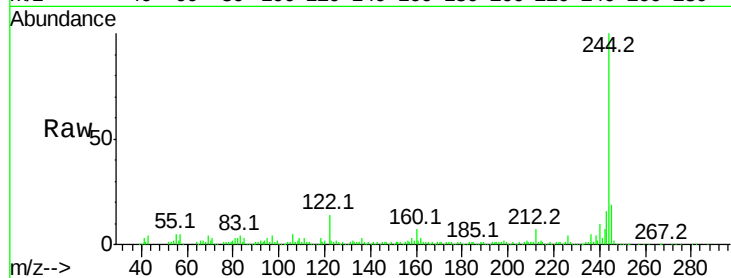
Tot Ion:244 Resp: 264261

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

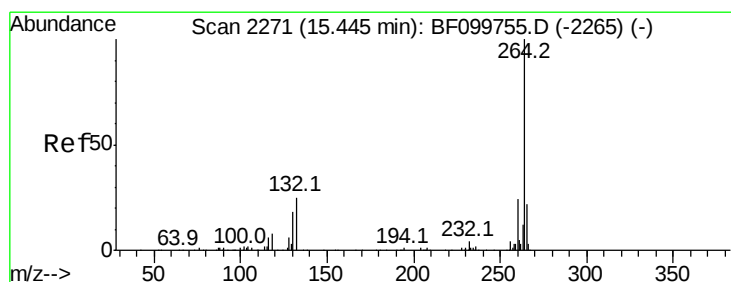
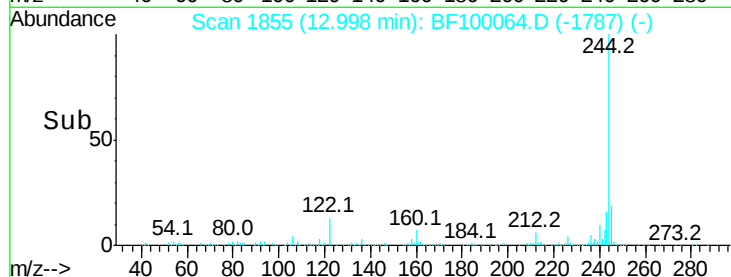
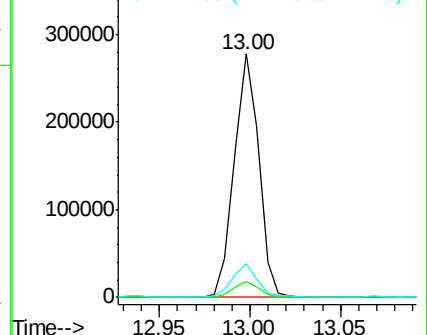
122 13.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.00 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

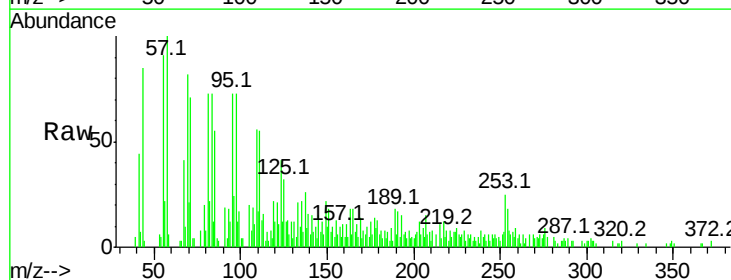
Tgt Ion:264 Resp: 111

Ion Ratio Lower Upper

264 100

260 176.8 19.2 28.8#

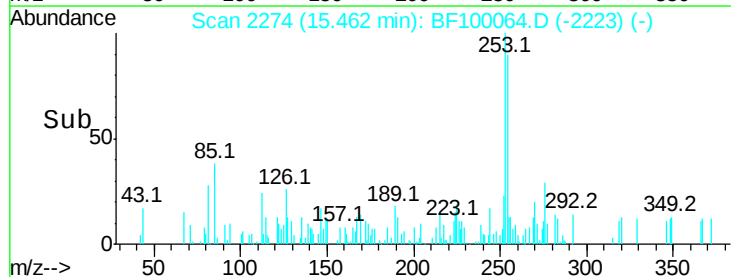
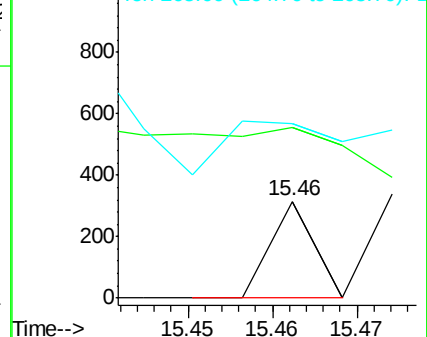
265 180.6 17.5 26.3#

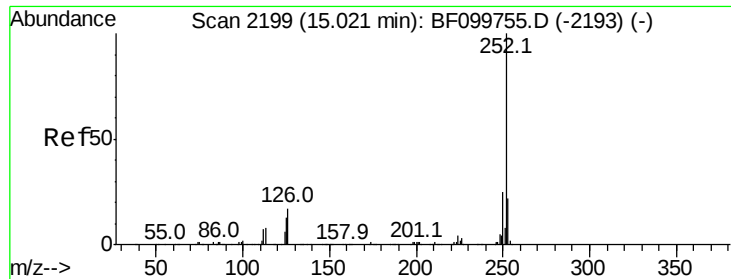


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 404.901 ng

RT: 15.05 min Scan# 2204

Delta R.T. 0.01 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

Instrument :

BNA_F

ClientSampleId :

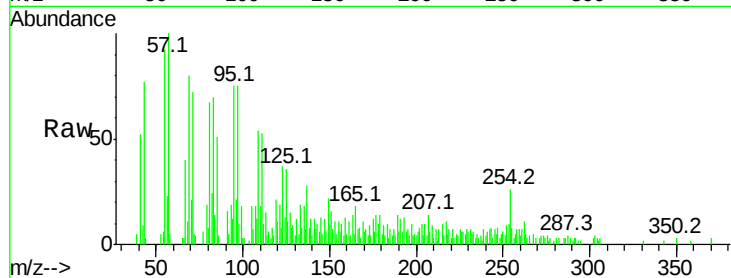
Tot Ion:252 Resp: 2838

Ion Ratio Lower Upper

252 100

253 106.4 17.0 25.6#

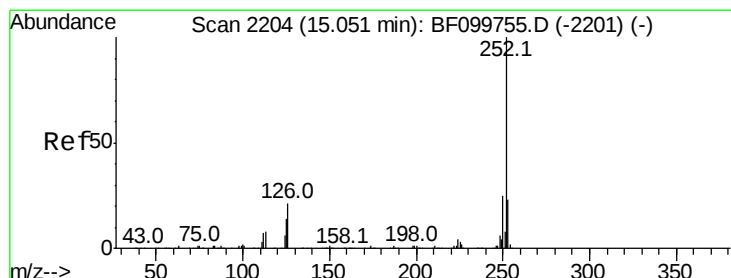
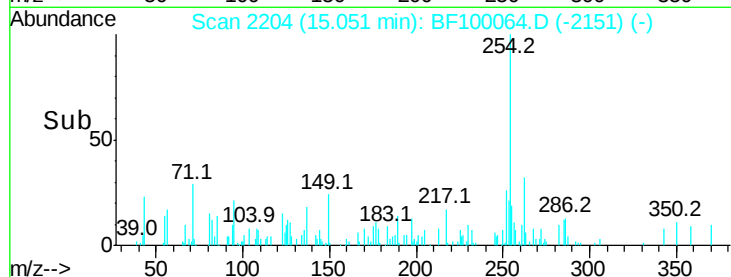
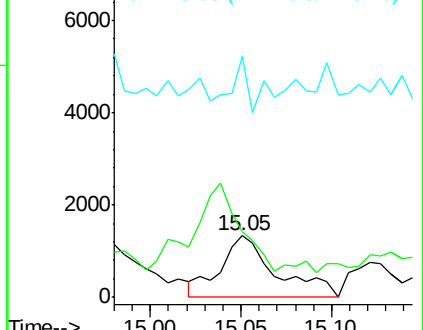
125 389.6 9.0 13.6#



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: 429.390 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BF100064.D

Acq: 2 Nov 2017 00:09

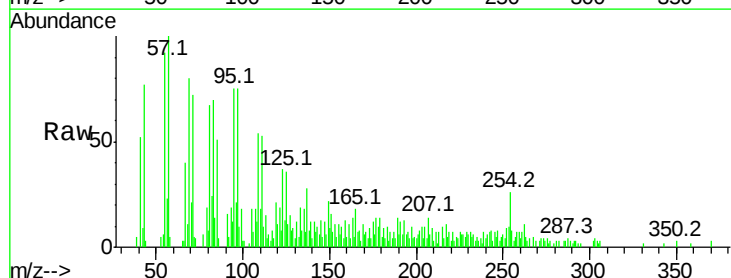
Tgt Ion:252 Resp: 2838

Ion Ratio Lower Upper

252 100

253 106.4 17.9 26.9#

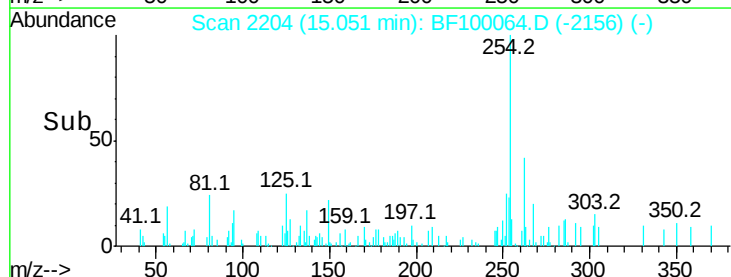
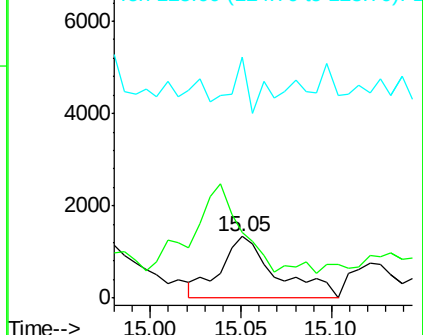
125 389.6 10.2 15.2#

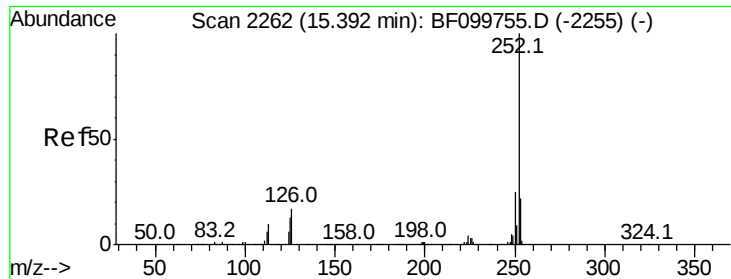


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

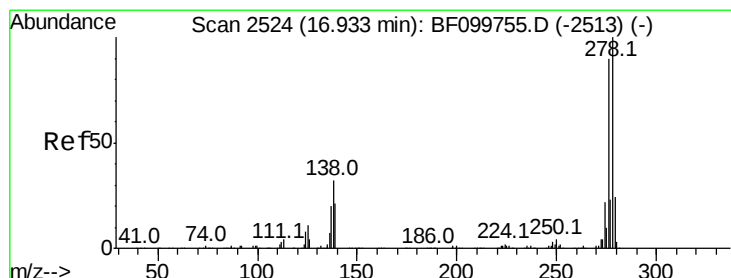
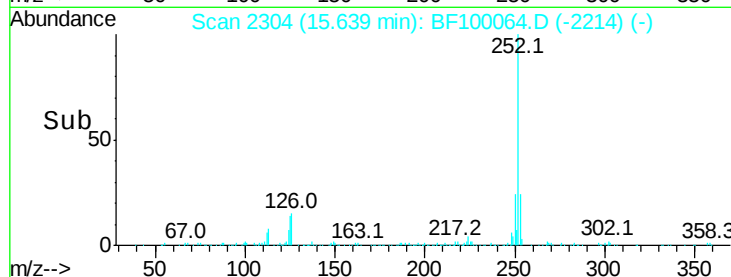
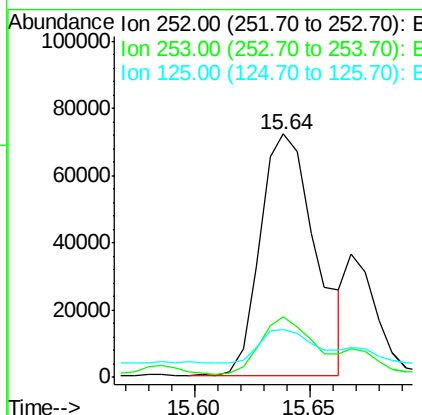
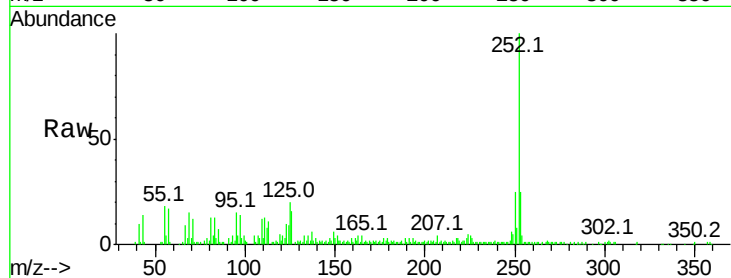




#89
Benzo(a)pyrene
Concen: 18981.600 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.23 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

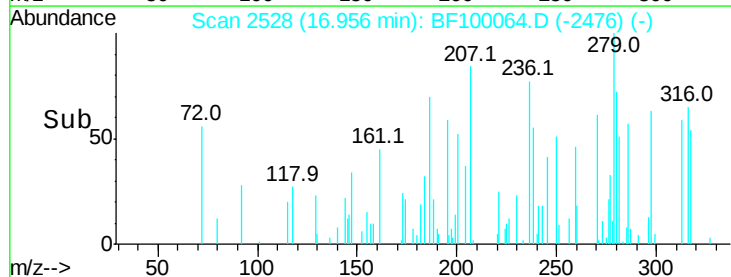
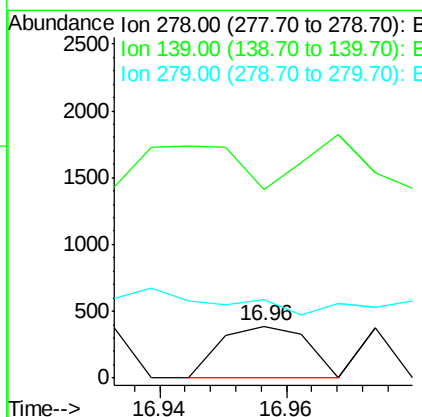
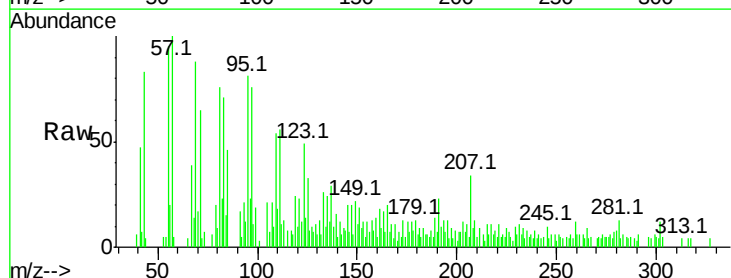
Instrument :
BNA_F
ClientSampleId :

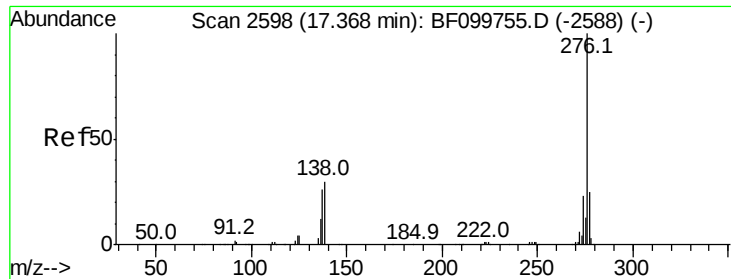
Tot Ion:252 Resp: 119511
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 19.6 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 64.884 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF100064.D
Acq: 2 Nov 2017 00:09

Tgt Ion:278 Resp: 363
Ion Ratio Lower Upper
278 100
139 365.5 15.9 23.9#
279 153.1 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 158.219 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.04 min
 Lab File: BF100064.D
 Acq: 2 Nov 2017 00:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	86.8	17.9	26.9#
138	151.5	21.8	32.8#

