

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099877.D
 Acq On : 27 Oct 2017 15:12
 Operator : SJ/JU
 Sample : I6109-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 16:07:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	94216	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	385947	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	175236	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	294993	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175837	20.00	ng	0.00
86) Perylene-d12	15.47	264	184915	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	518624	86.42	ng	0.00
7) Phenol-d6	6.44	99	629206	88.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	354744	59.18	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	137006	85.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	744810	65.58	ng	0.00
78) Terphenyl-d14	12.92	244	515420	64.06	ng	0.00

Target Compounds

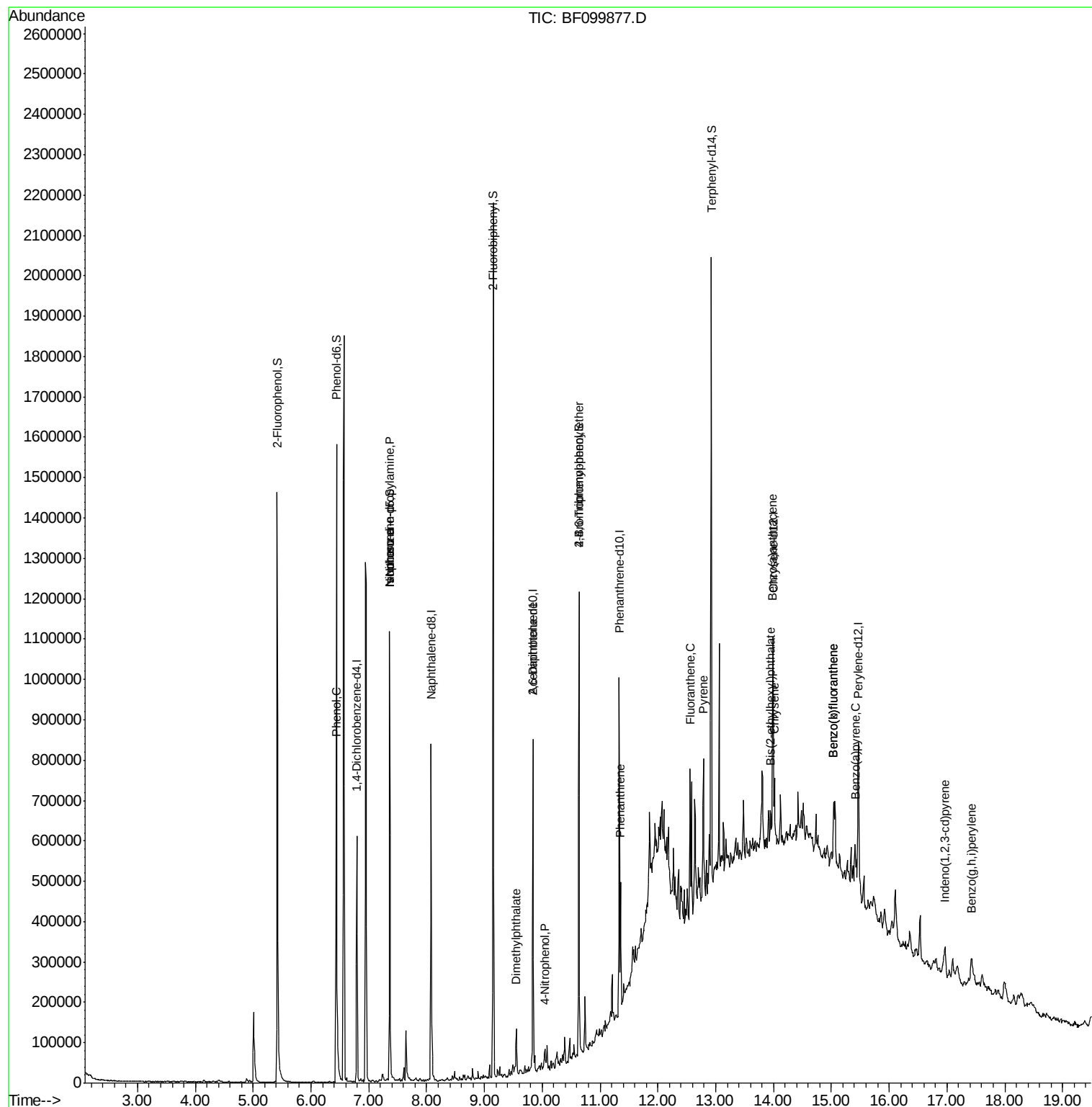
						Qvalue
10) Phenol	6.45	94	18510	2.369	ng	86
19) n-Nitroso-di-n-propylamine	7.36	70	43741	10.490	ng	# 74
25) Isophorone	7.36	82	354744	32.611	ng	# 64
49) Dimethylphthalate	9.55	163	37358	2.692	ng	99
50) 2,6-Dinitrotoluene	9.83	165	23024	7.892	ng	# 25
55) 4-Nitrophenol	10.05	139	3770	2.099	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	9295	2.993	ng	# 1
70) Phenanthrene	11.36	178	114338	6.868	ng	97
74) Fluoranthene	12.56	202	134979	7.802	ng	98
77) Pyrene	12.79	202	119197	8.915	ng	98
80) Benzo(a)anthracene	13.98	228	68068	6.106	ng	97
82) Chrysene	14.02	228	64487	6.154	ng	98
83) Bis(2-ethylhexyl)phthalate	13.94	149	24770	2.679	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.96	276	45922	4.773	ng	100
87) Benzo(b)fluoranthene	15.04	252	123310	10.561	ng	# 86
88) Benzo(k)fluoranthene	15.04	252	123310	11.199	ng	# 89
89) Benzo(a)pyrene	15.41	252	57370	5.470	ng	# 84
91) Benzo(g,h,i)perylene	17.42	276	45973	5.042	ng	# 86

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

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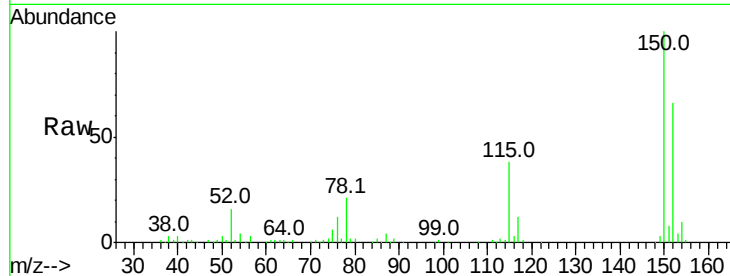


#1

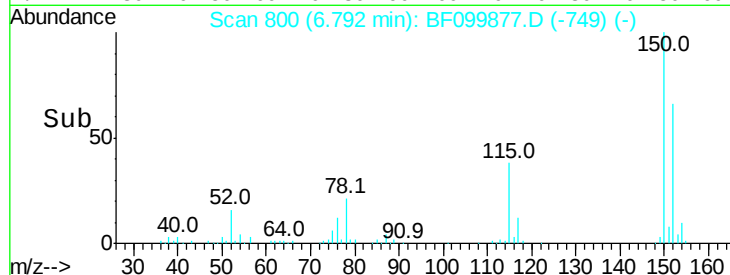
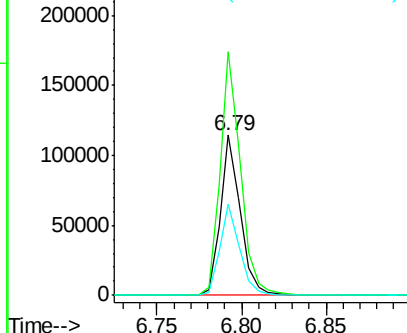
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94216
Ion Ratio Lower Upper
152 100
150 152.2 124.6 186.8
115 57.5 50.1 75.1



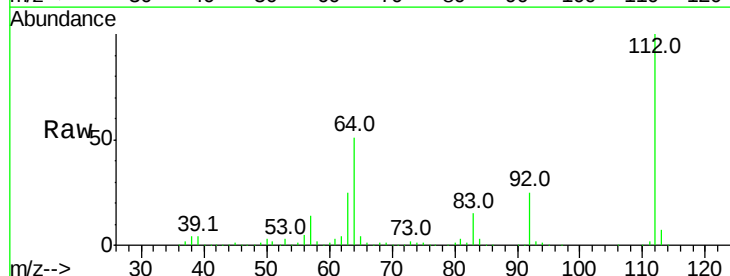
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



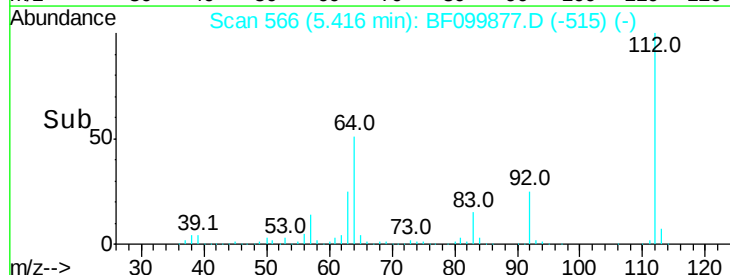
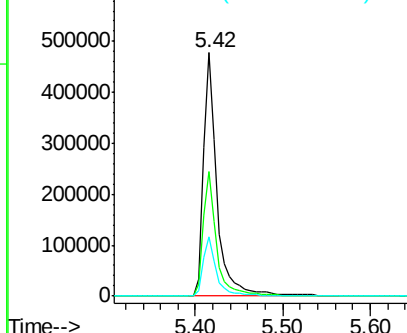
#5

2-Fluorophenol
Concen: 86.421 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion:112 Resp: 518624
Ion Ratio Lower Upper
112 100
64 51.4 47.9 71.9
63 24.6 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: 88.425 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

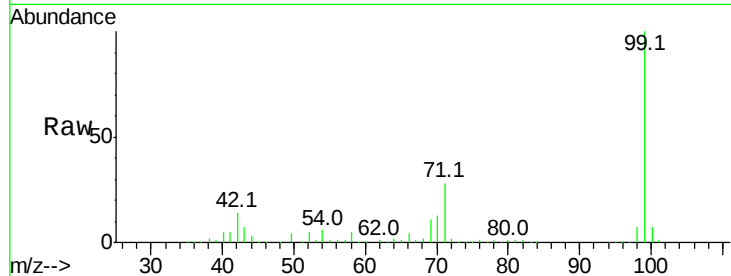
Tot Ion: 99 Resp: 629206

Ion Ratio Lower Upper

99 100

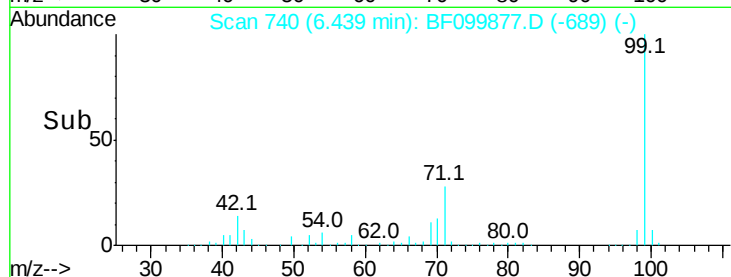
42 13.6 14.5 21.7#

71 28.4 25.4 38.0

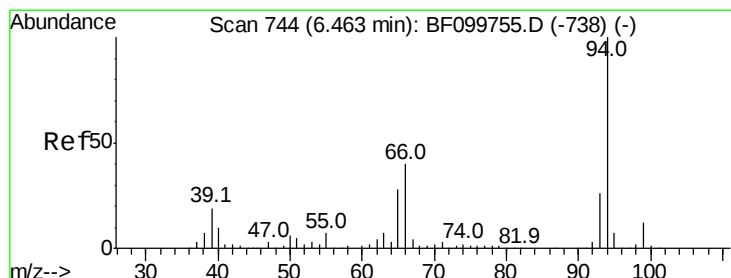


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

6.44



Time-->



#10

Phenol

Concen: 2.369 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

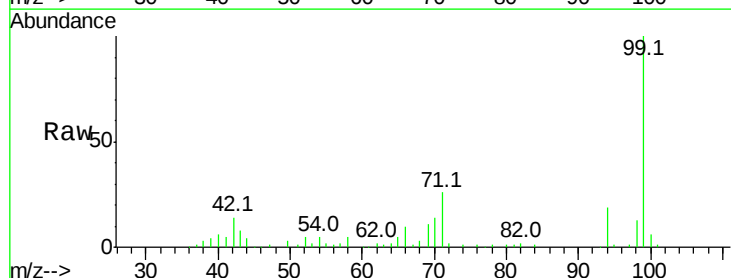
Tgt Ion: 94 Resp: 18510

Ion Ratio Lower Upper

94 100

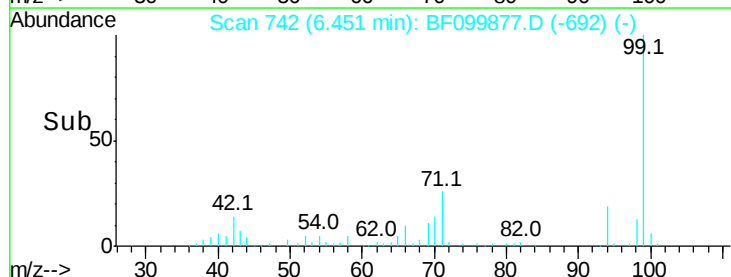
65 26.4 7.9 47.9

66 49.8 16.2 56.2

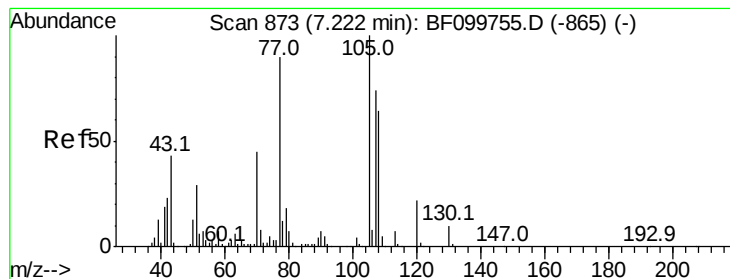


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

6.45



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.490 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 43741

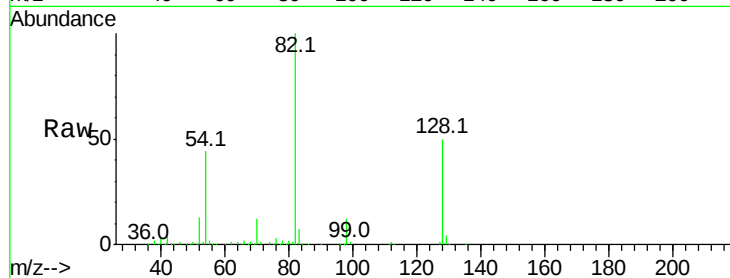
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

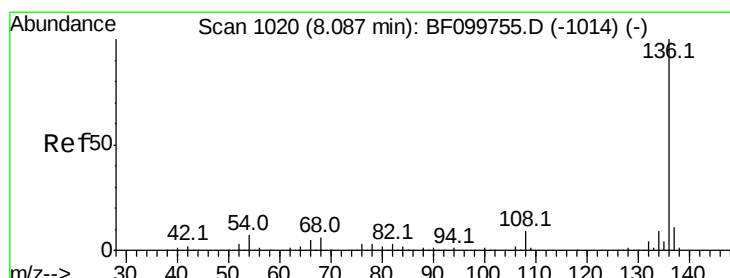
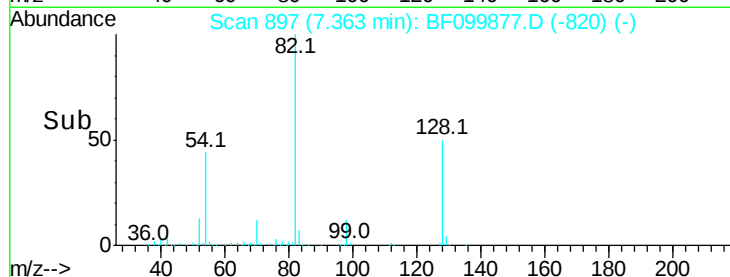
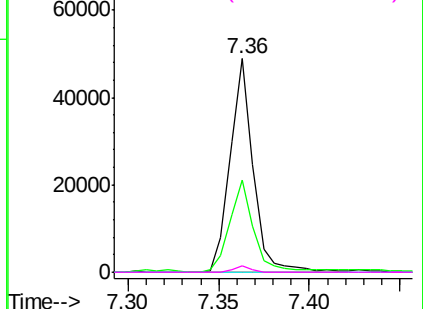


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Tgt Ion:136 Resp: 385947

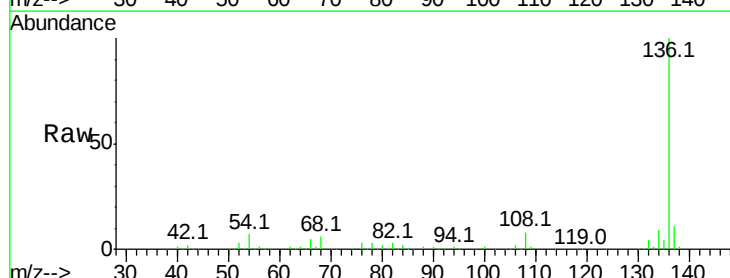
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.8 6.6 9.8

68 6.2 5.0 7.4

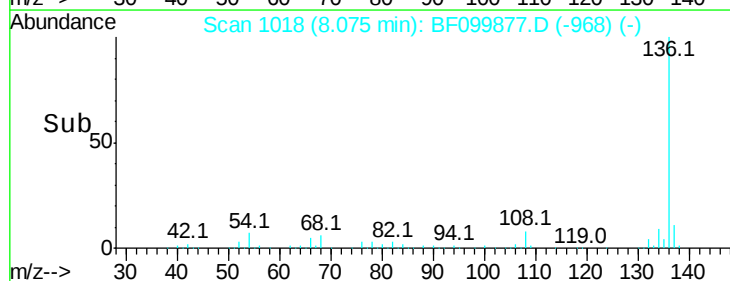
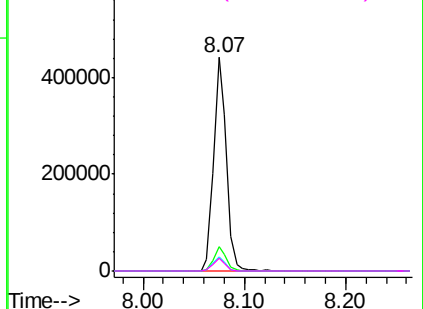


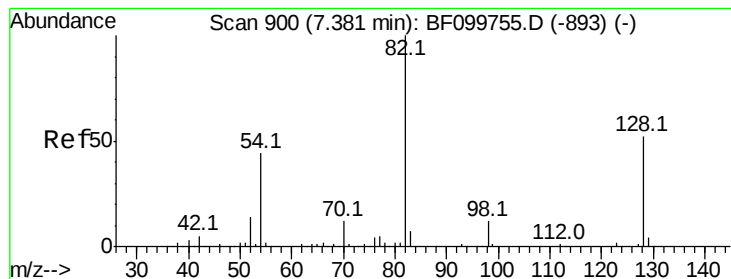
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 59.175 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampled :

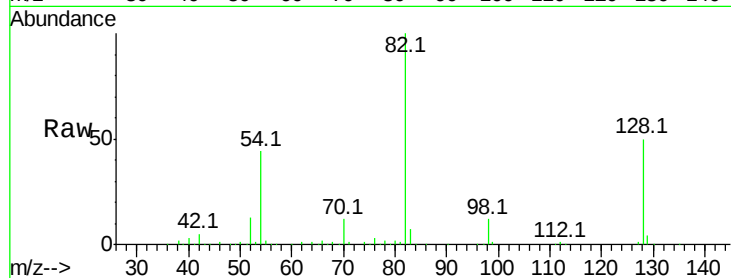
Tot Ion: 82 Resp: 354744

Ion Ratio Lower Upper

82 100

128 50.2 36.1 54.1

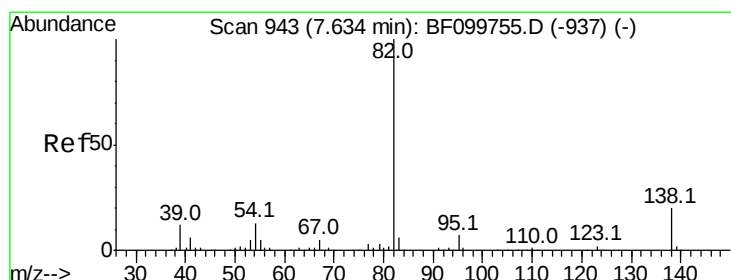
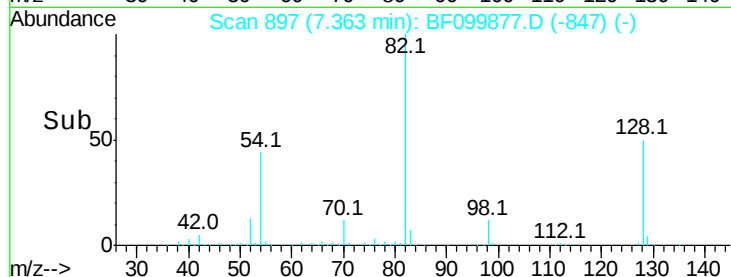
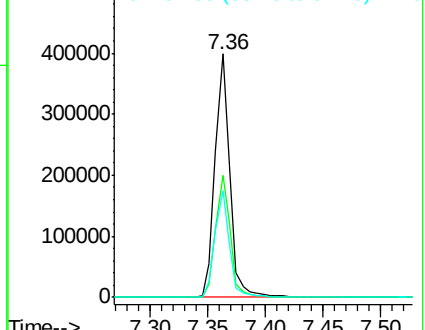
54 44.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 32.611 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

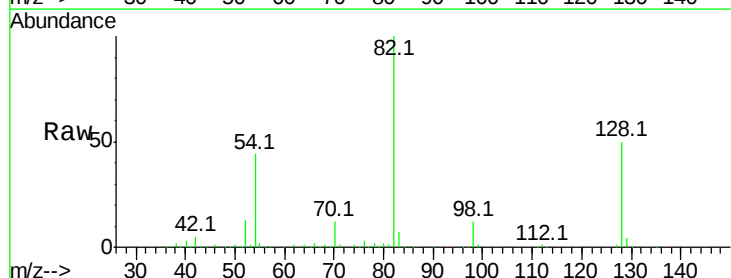
Tgt Ion: 82 Resp: 354744

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

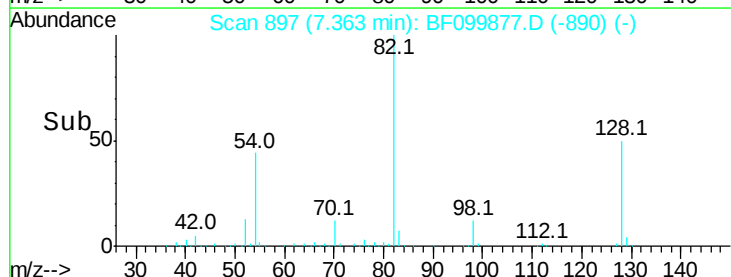
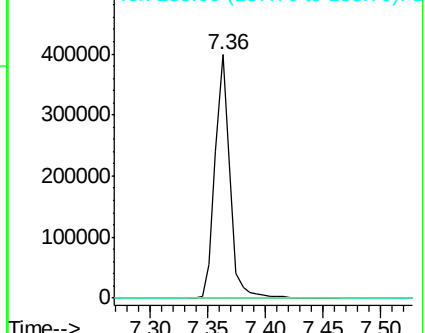
138 0.0 14.9 22.3#

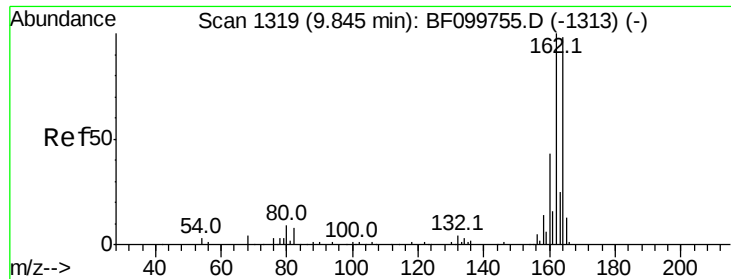


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

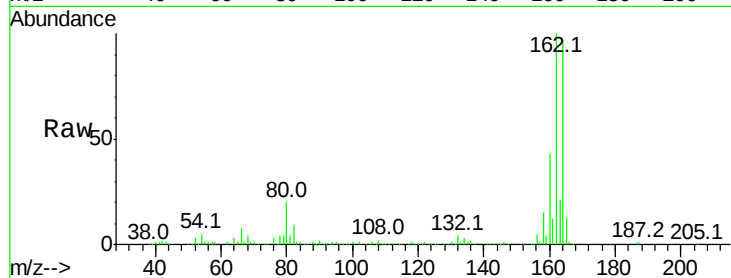




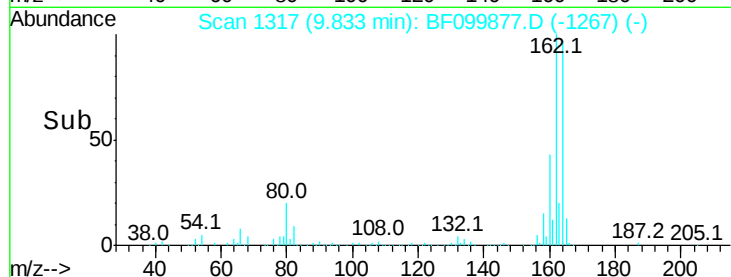
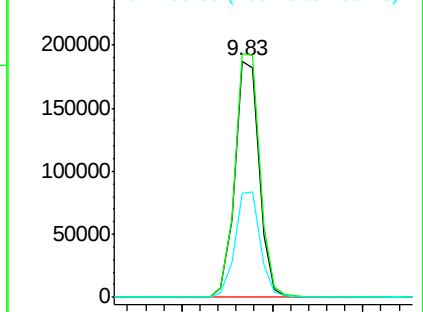
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 175236
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 44.1 38.3 57.5

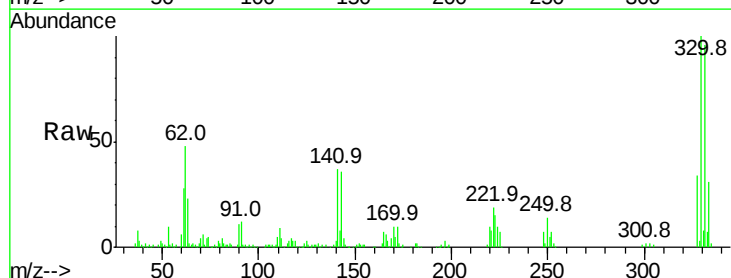


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

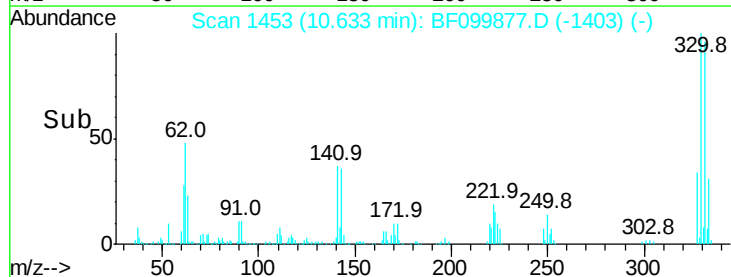
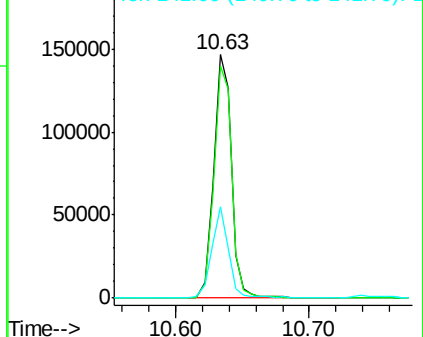


#41
2,4,6-Tribromophenol
Concen: 85.792 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion:330 Resp: 137006
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 35.2 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

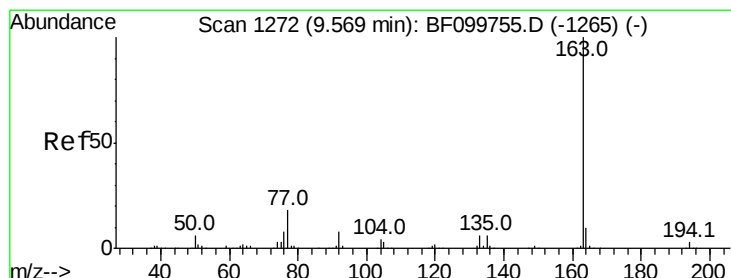
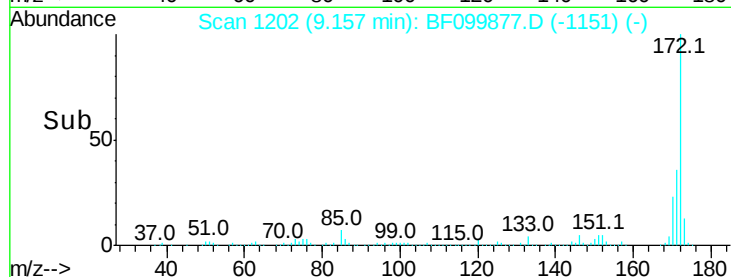
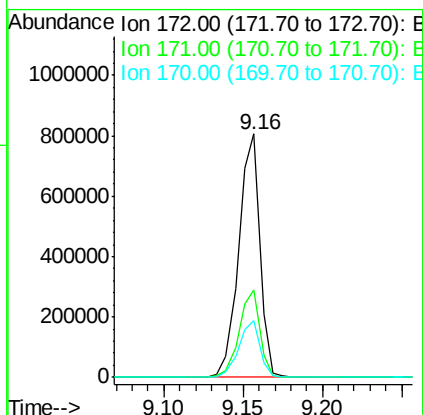
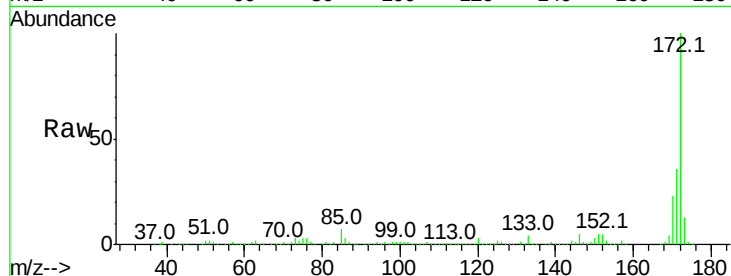




#44
2-Fluorobiphenyl
Concen: 65.576 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

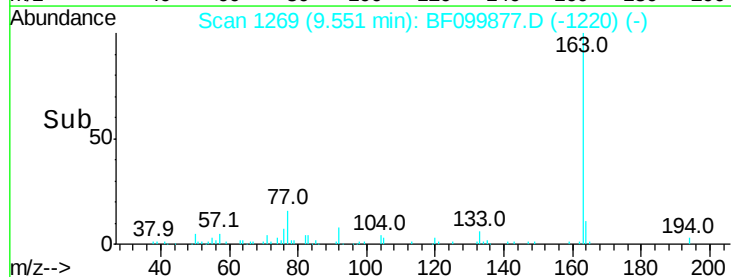
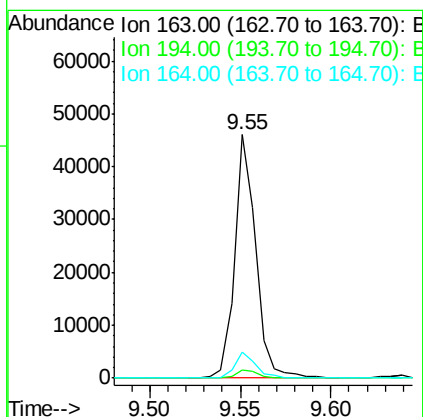
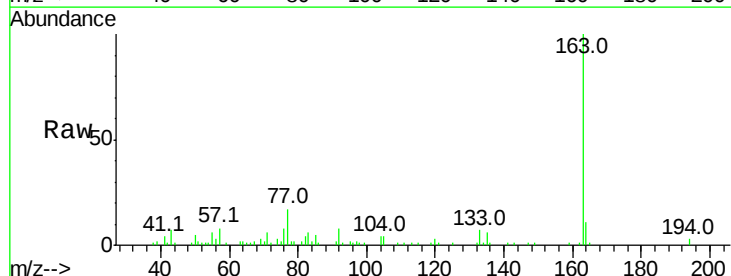
Instrument :
BNA_F
ClientSampleId :

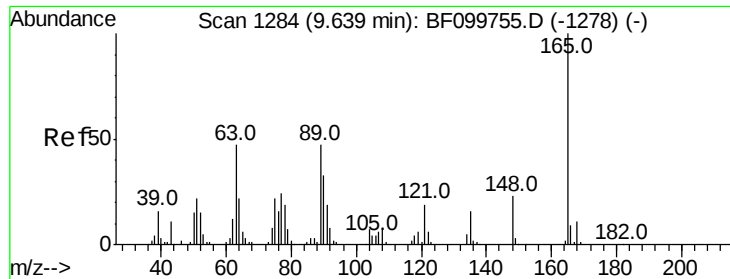
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.4	19.6	29.4



#49
Dimethylphthalate
Concen: 2.692 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.7	8.2	12.2

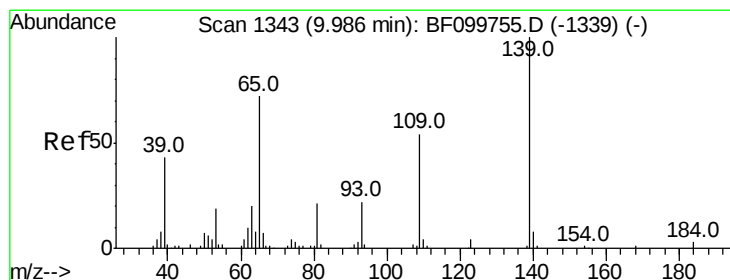
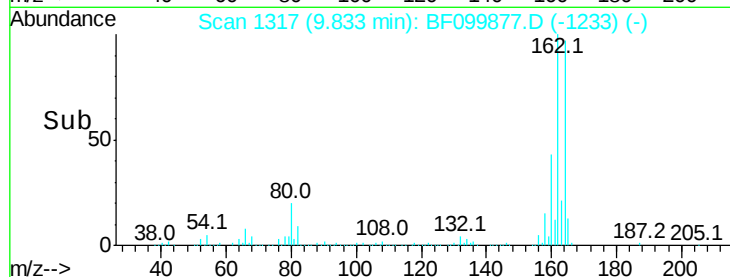
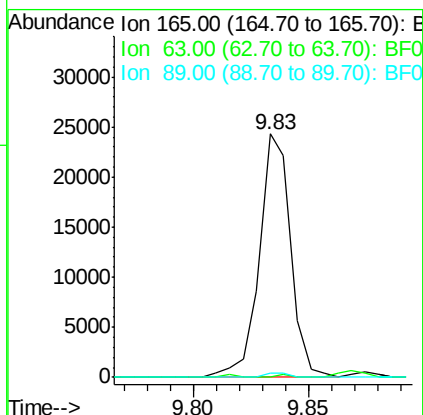
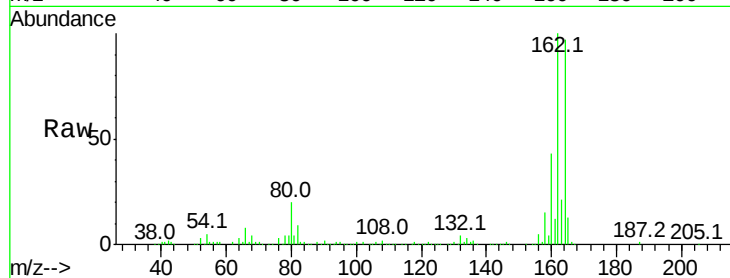




#50
 2,6-Dinitrotoluene
 Concen: 7.892 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.19 min
 Lab File: BF099877.D
 Acq: 27 Oct 2017 15:12

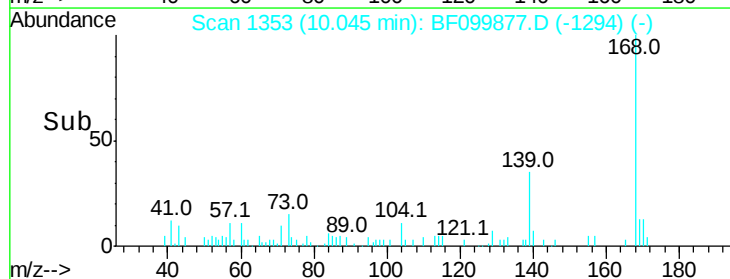
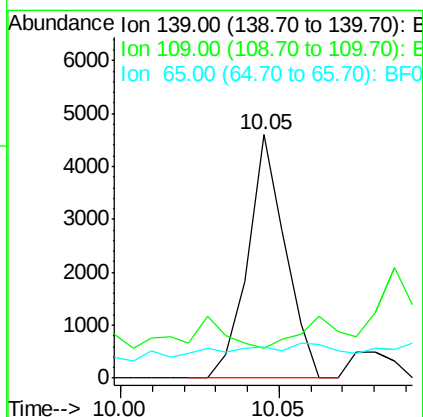
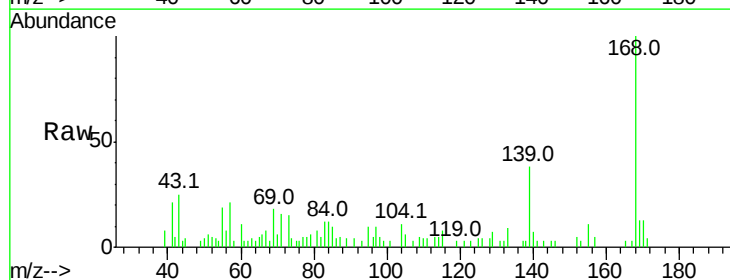
Instrument :
 BNA_F
 ClientSampleId :

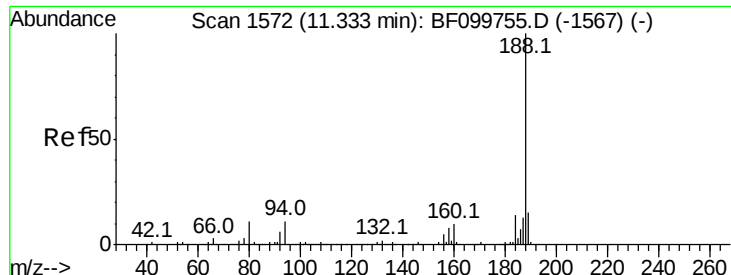
Tot Ion:165 Resp: 23024
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.6 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 2.099 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.05 min
 Lab File: BF099877.D
 Acq: 27 Oct 2017 15:12

Tgt Ion:139 Resp: 3770
 Ion Ratio Lower Upper
 139 100
 109 12.3 48.4 88.4#
 65 12.8 72.6 112.6#

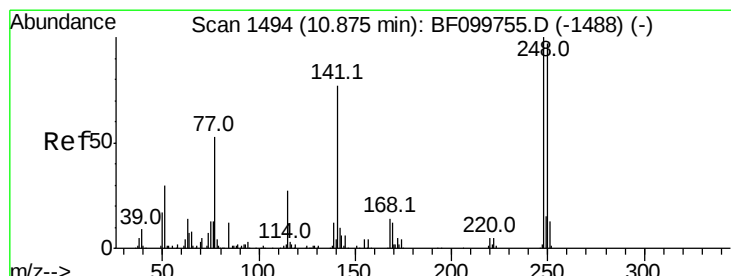
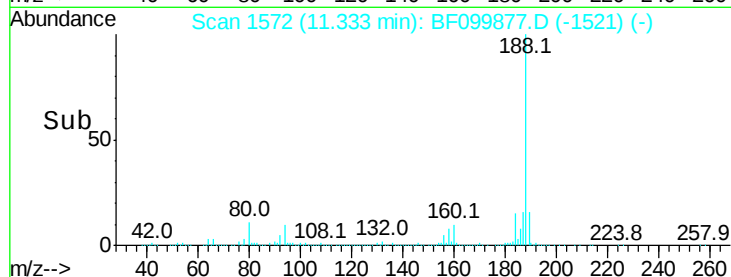
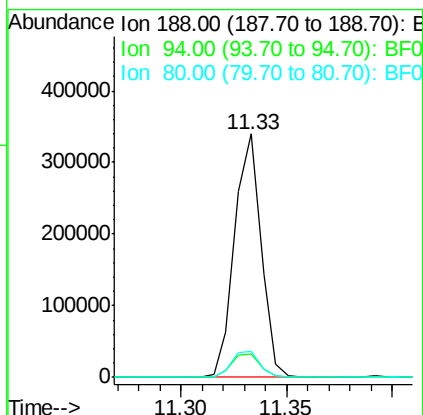
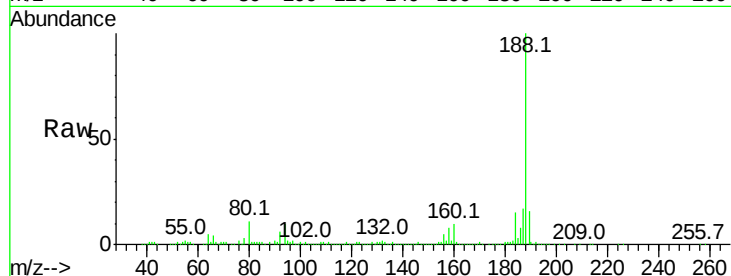




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

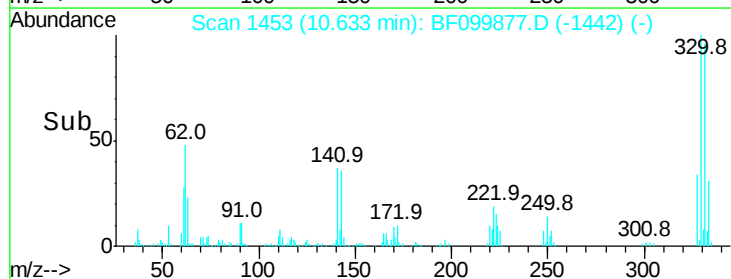
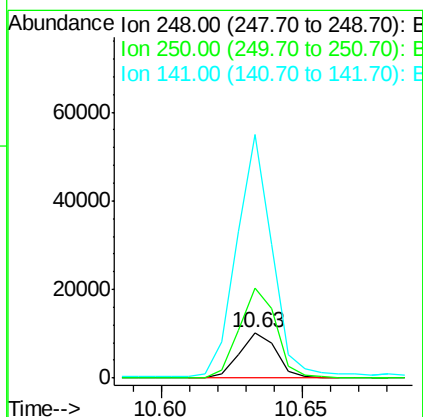
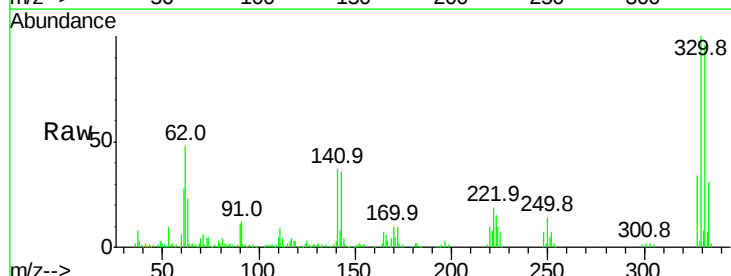
Instrument :
BNA_F
ClientSampleId :

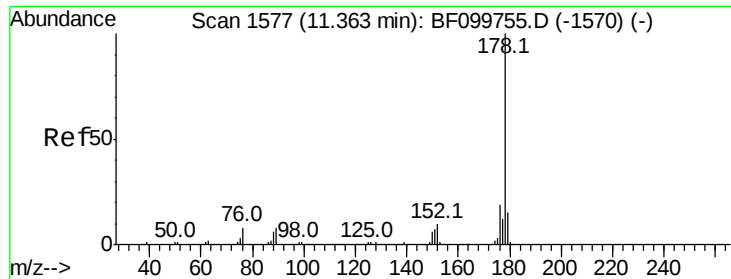
Tot Ion:188 Resp: 294993
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.993 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion:248 Resp: 9295
Ion Ratio Lower Upper
248 100
250 196.8 76.9 115.3#
141 534.9 74.4 111.6#





#70

Phenanthrene

Concen: 6.868 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

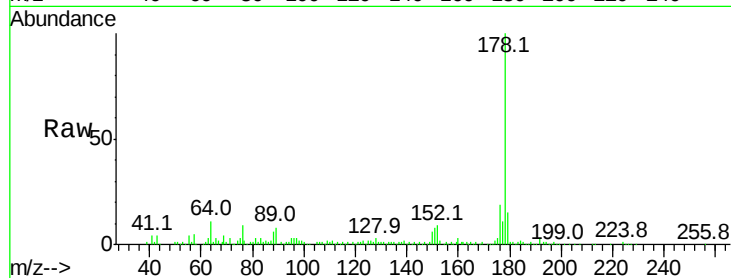
Tot Ion:178 Resp: 114338

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

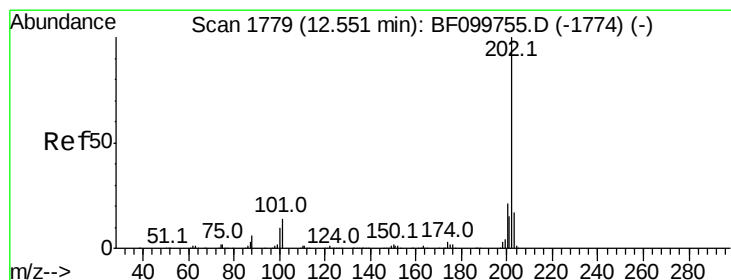
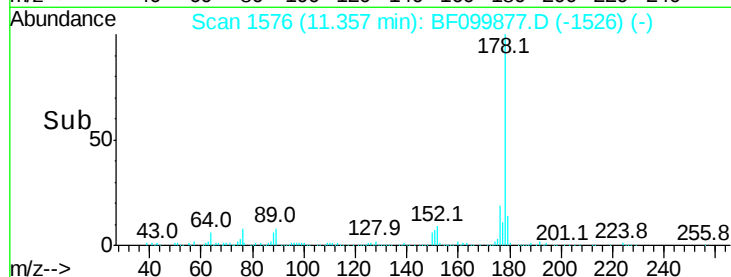
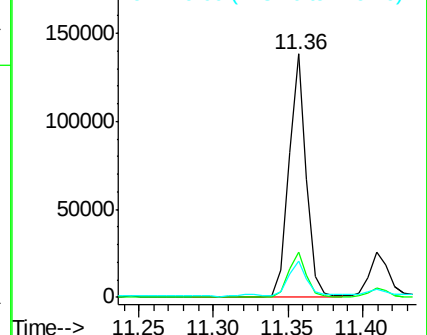
179 14.7 13.0 19.6



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: 7.802 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

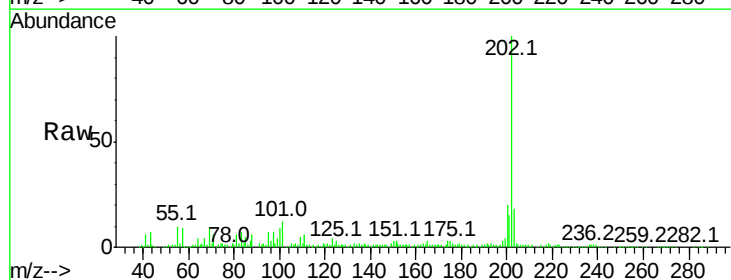
Tgt Ion:202 Resp: 134979

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

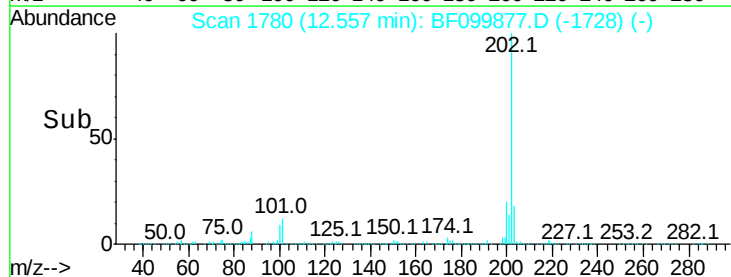
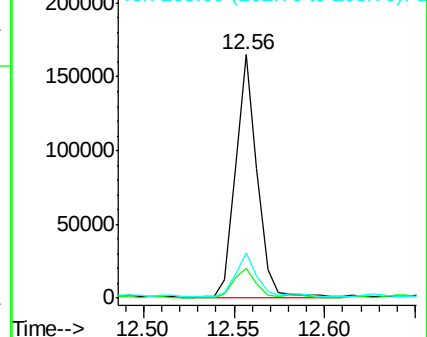
203 18.4 0.0 38.1

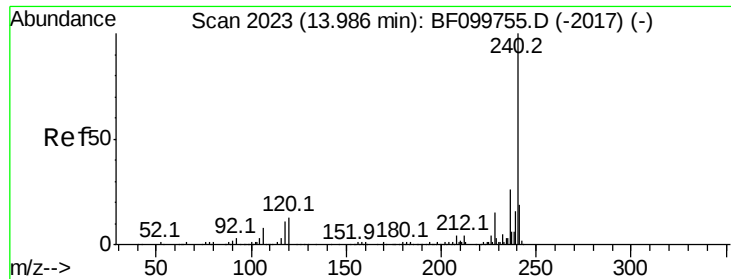


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

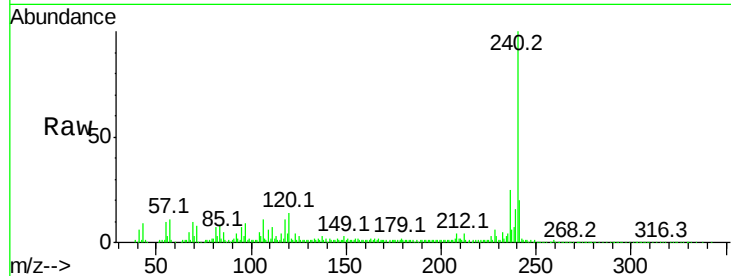
Tot Ion:240 Resp: 175837

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

236 25.4 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

250000

200000

150000

100000

50000

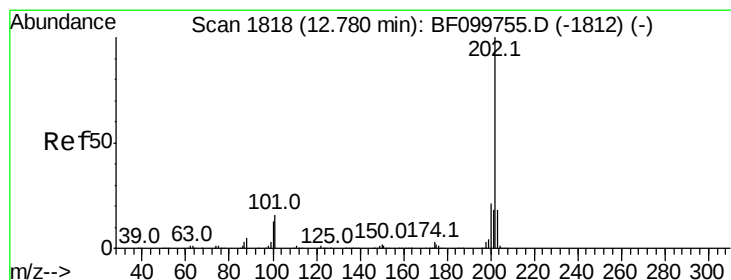
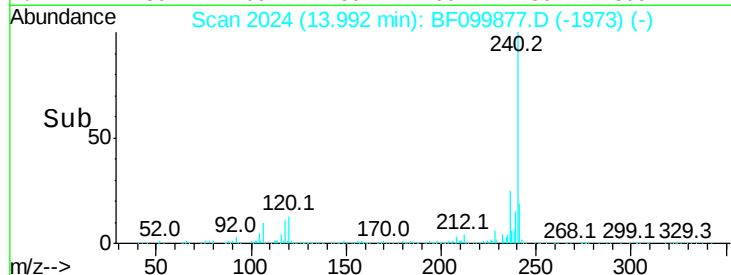
0

13.99

13.90

14.00

Time-->



#77

Pyrene

Concen: 8.915 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

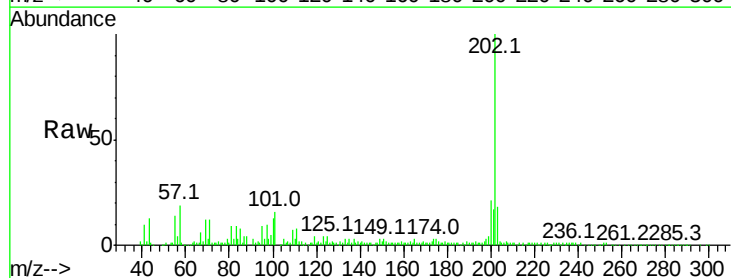
Tgt Ion:202 Resp: 119197

Ion Ratio Lower Upper

202 100

200 20.6 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

150000

100000

50000

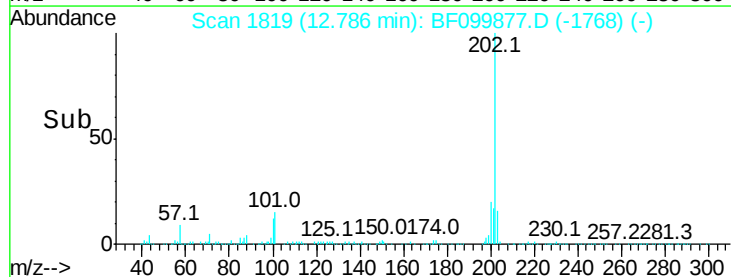
0

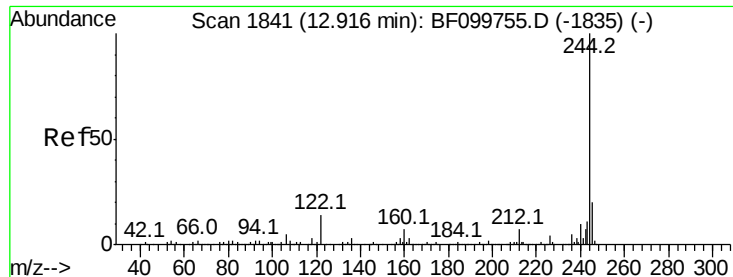
12.79

12.75

12.80

Time-->





#78

Terphenyl-d14

Concen: 64.058 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

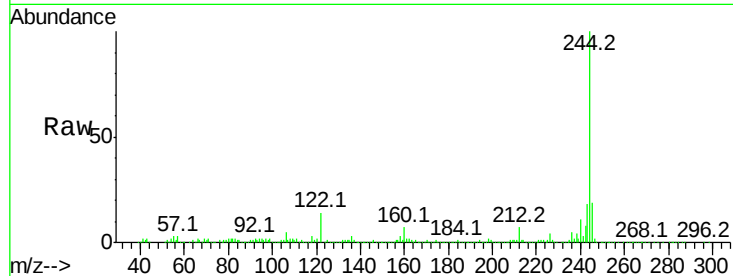
Tot Ion:244 Resp: 515420

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

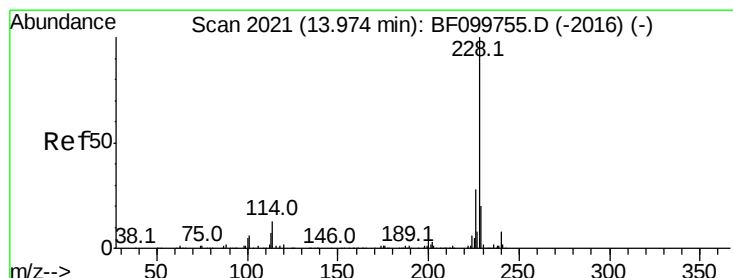
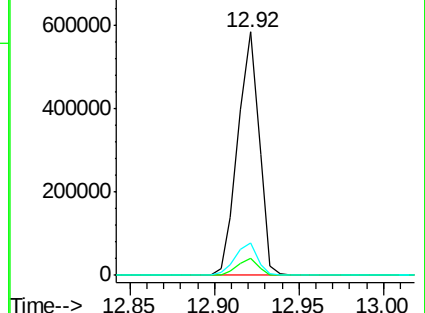
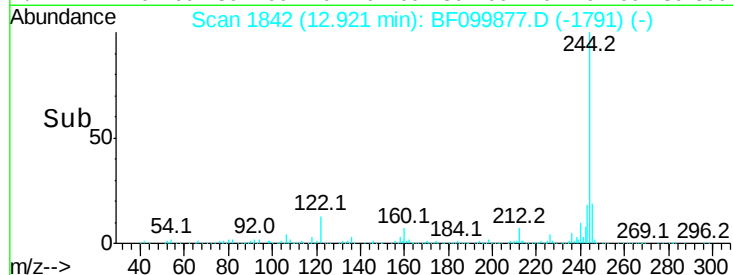
122 13.6 11.0 16.4



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: 6.106 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

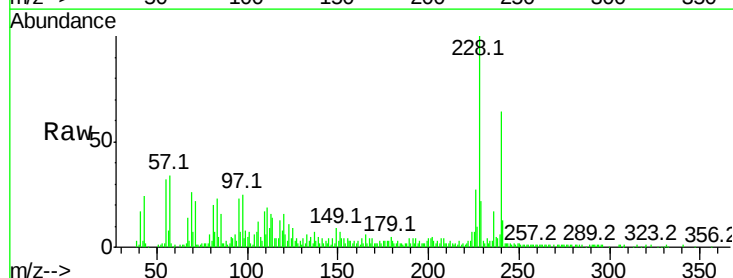
Tgt Ion:228 Resp: 68068

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

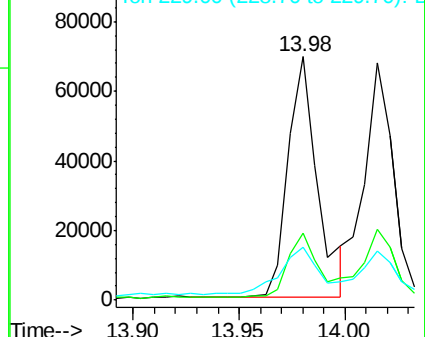
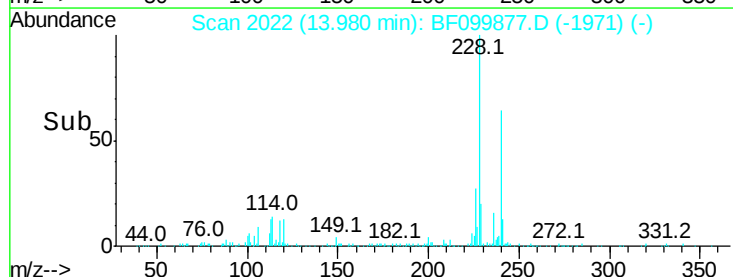
229 22.0 15.8 23.6

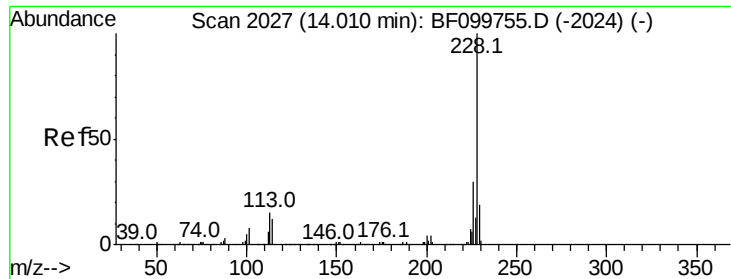


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

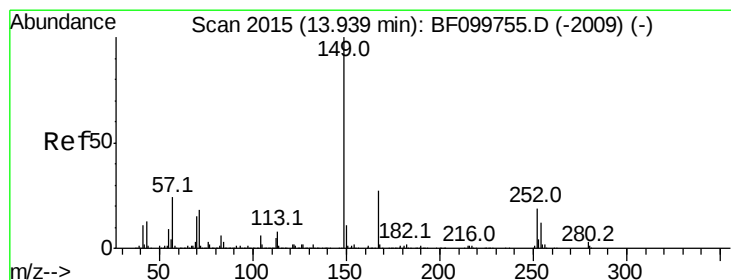
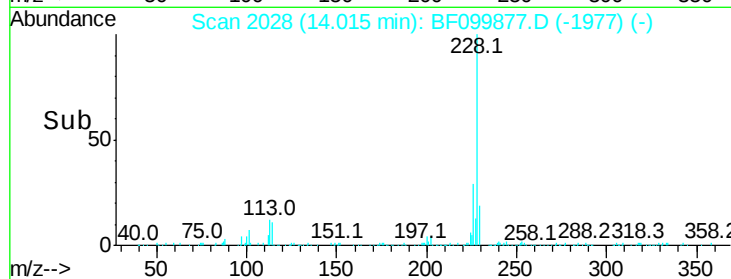
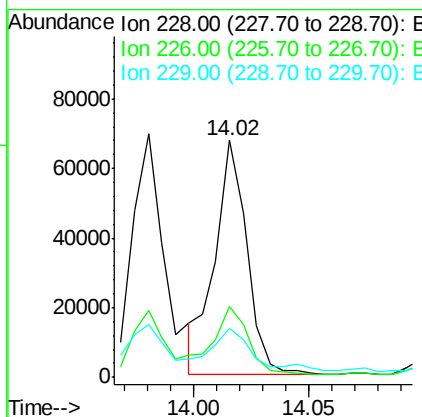
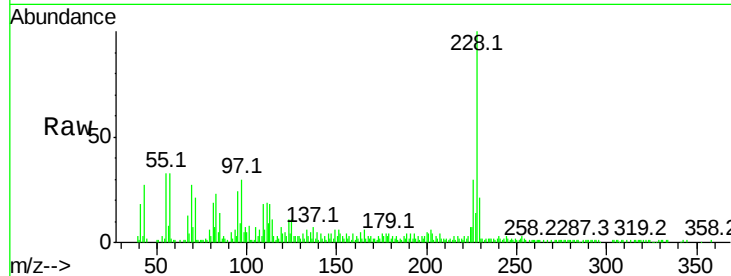




#82
 Chrysene
 Concen: 6.154 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF099877.D
 Acq: 27 Oct 2017 15:12

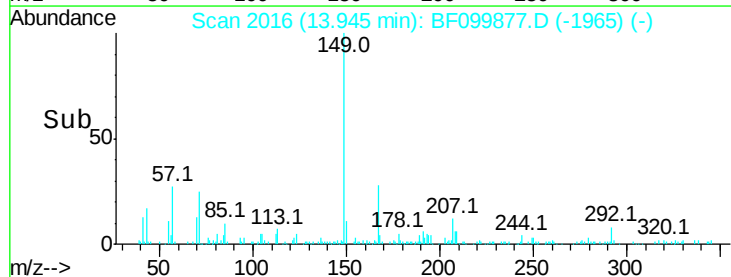
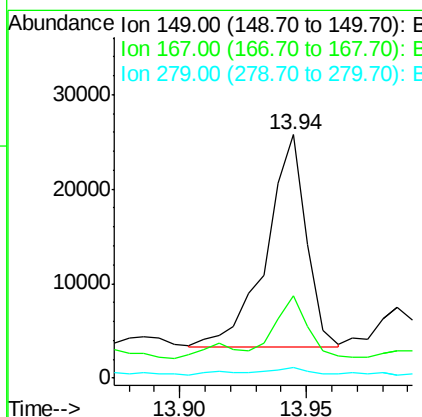
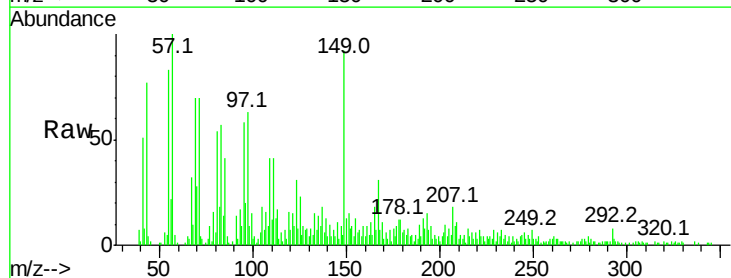
Instrument :
 BNA_F
 ClientSampleId :

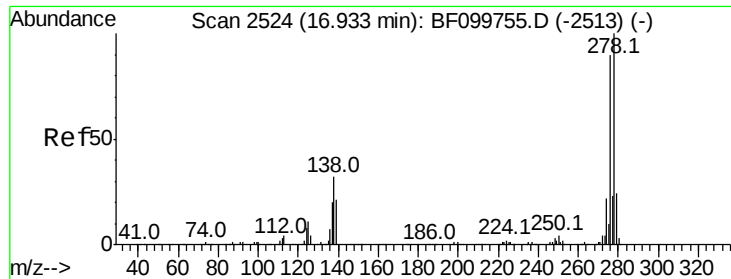
Tot Ion:228 Resp: 64487
 Ion Ratio Lower Upper
 228 100
 226 29.8 25.0 37.6
 229 20.8 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.679 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF099877.D
 Acq: 27 Oct 2017 15:12

Tgt Ion:149 Resp: 24770
 Ion Ratio Lower Upper
 149 100
 167 33.8 21.3 31.9#
 279 4.1 3.0 4.4

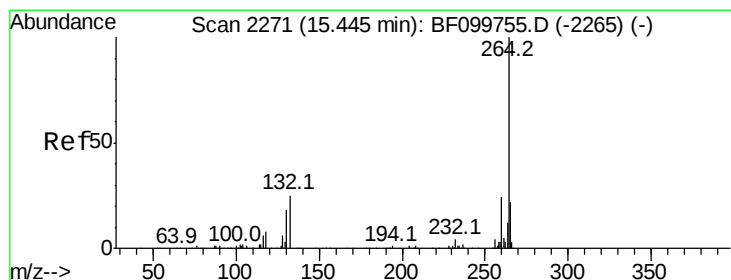
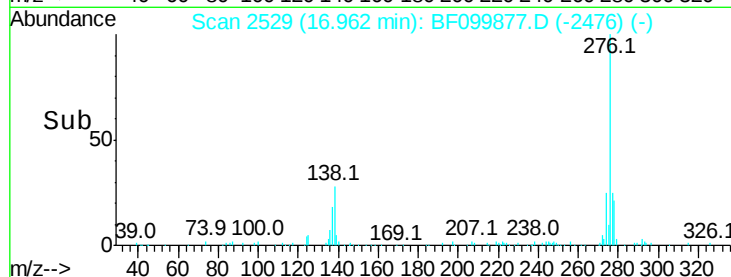
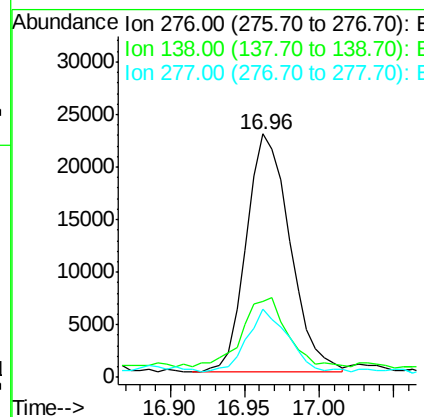
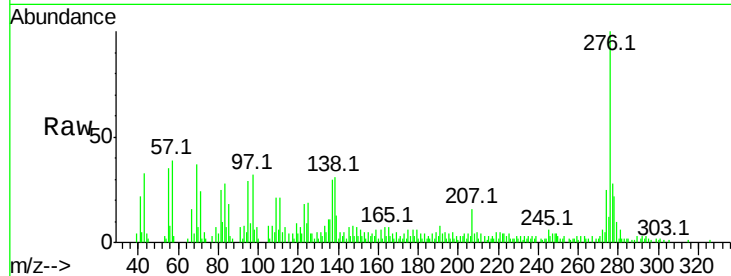




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.773 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

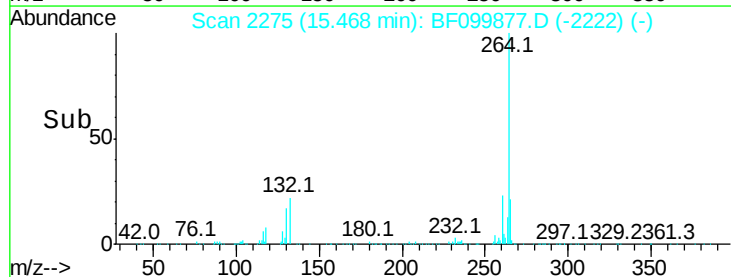
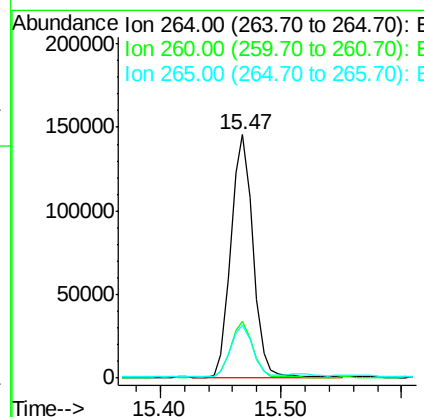
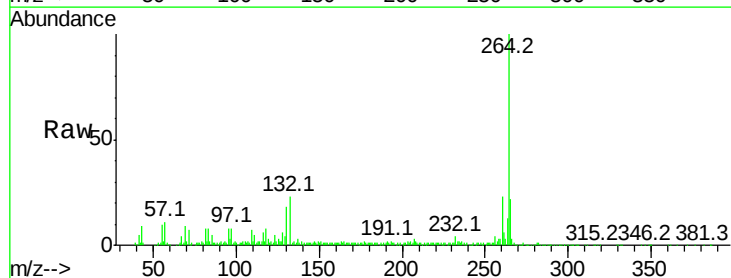
Instrument :
BNA_F
ClientSampleId :

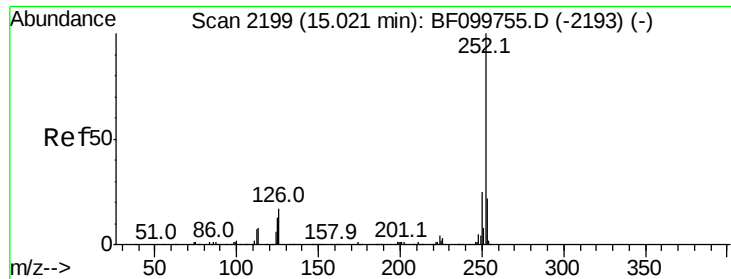
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.0	37.6
277	25.3	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.561 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF099877.D

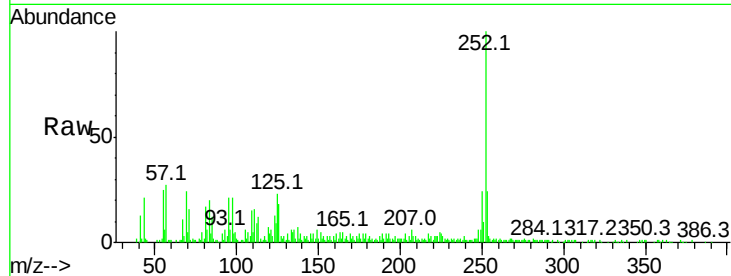
Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

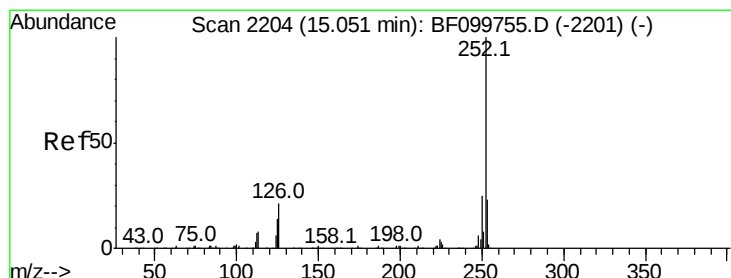
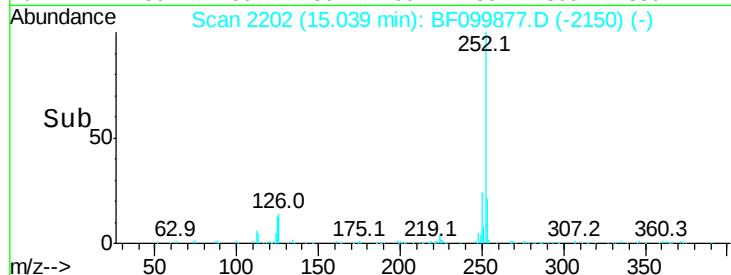
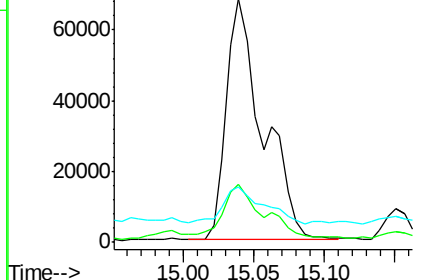
Tot Ion:252	Resp:	123310
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.0 25.6
125	23.0	9.0 13.6#



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: 11.199 ng

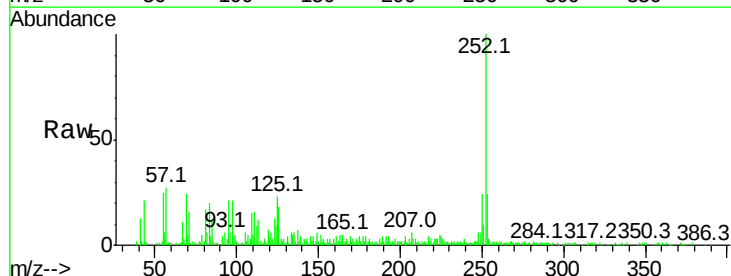
RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

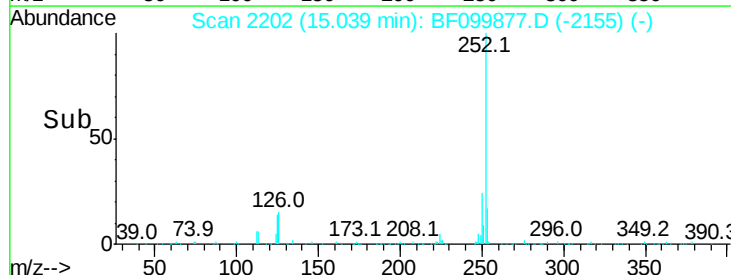
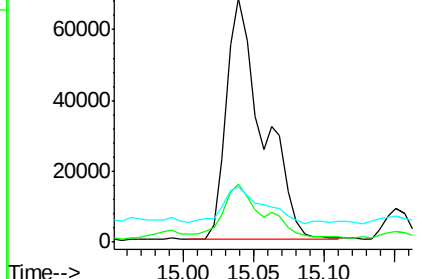
Tgt Ion:252	Resp:	123310
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.9 26.9
125	23.0	10.2 15.2#

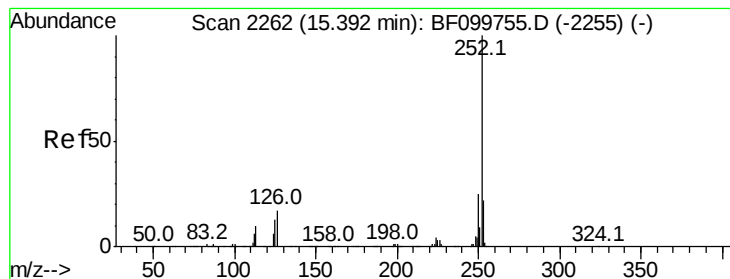


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.470 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

ClientSampleId :

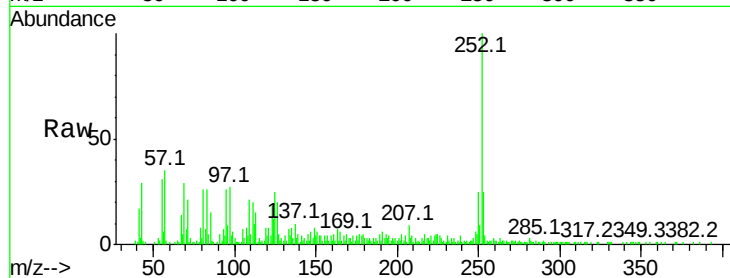
Tot Ion:252 Resp: 57370

Ion Ratio Lower Upper

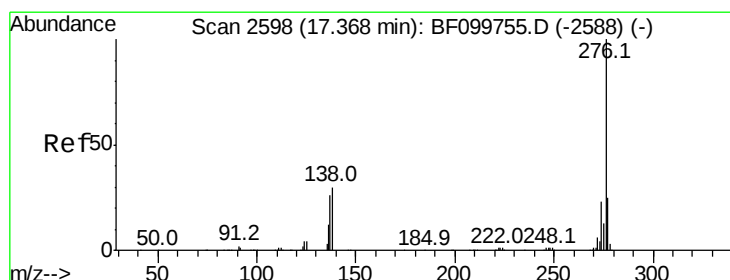
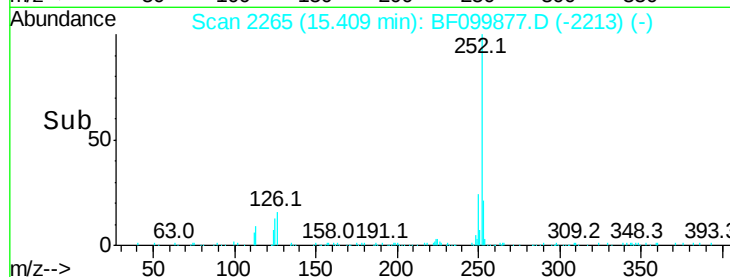
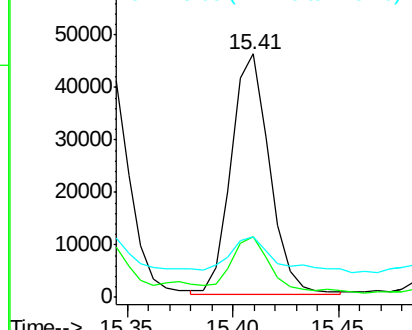
252 100

253 24.6 17.1 25.7

125 25.1 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



#91

Benzo(g,h,i)perylene

Concen: 5.042 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.02 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

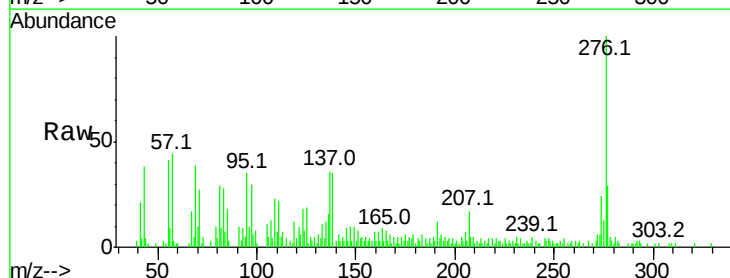
Tgt Ion:276 Resp: 45973

Ion Ratio Lower Upper

276 100

277 28.9 17.9 26.9#

138 34.7 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

