

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090517\
 Data File : BF098272.D
 Acq On : 5 Sep 2017 15:04
 Operator : SJ/JU
 Sample : I5073-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4-COMP

Quant Time: Sep 06 01:27:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	106337	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	412657	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	180917	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	354332	20.00	ng	0.00
75) Chrysene-d12	13.85	240	239026	20.00	ng	-0.01
86) Perylene-d12	15.26	264	197536	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	774846	110.84	ng	0.00
7) Phenol-d6	6.35	99	1084258	114.15	ng	0.00
23) Nitrobenzene-d5	7.27	82	645923	85.03	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	210015	133.79	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	947131	76.92	ng	0.00
78) Terphenyl-d14	12.80	244	845705	73.78	ng	0.00

Target Compounds

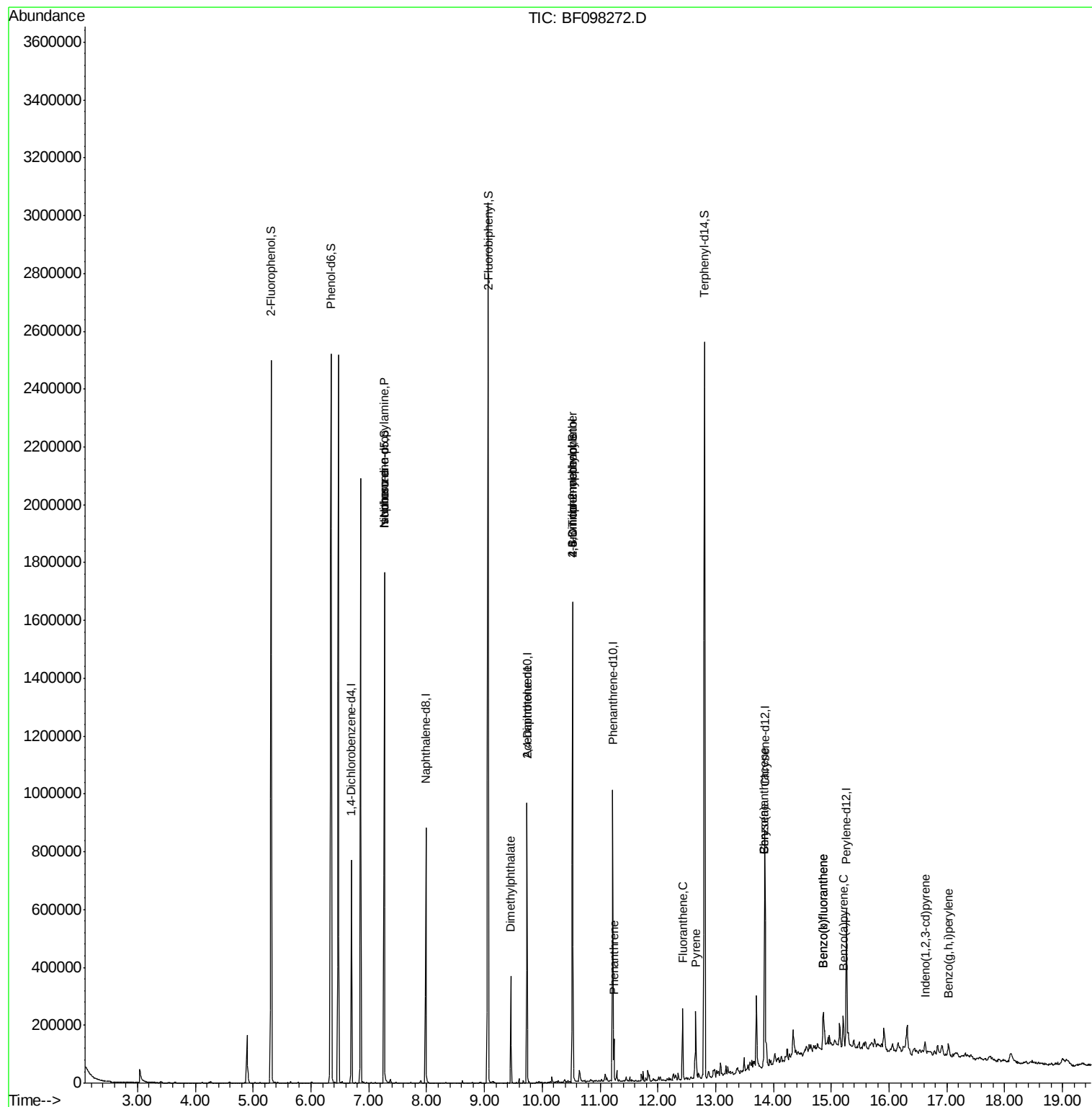
						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	82321	12.660	ng	# 70
25) Isophorone	7.27	82	638055	40.396	ng	# 67
49) Dimethylphthalate	9.46	163	126839	9.591	ng	98
56) 2,4-Dinitrotoluene	9.73	165	21829	6.589	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.53	198	277	8.458	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	13122	3.566	ng	# 1
70) Phenanthrene	11.24	178	44811	2.373	ng	95
74) Fluoranthene	12.43	202	89352	4.534	ng	98
77) Pyrene	12.66	202	97061	4.965	ng	97
80) Benzo(a)anthracene	13.84	228	55708	3.889	ng	96
82) Chrysene	13.84	228	55708	3.909	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	25517	2.434	ng	96
87) Benzo(b)fluoranthene	14.86	252	77120	6.194	ng	97
88) Benzo(k)fluoranthene	14.86	252	77120	6.593	ng	97
89) Benzo(a)pyrene	15.20	252	39242	3.560	ng	98
91) Benzo(g,h,i)perylene	17.03	276	33586	3.587	ng	92

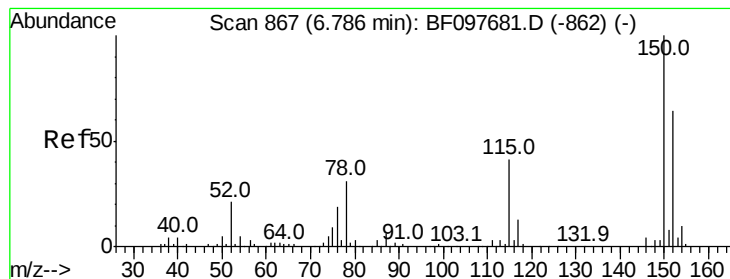
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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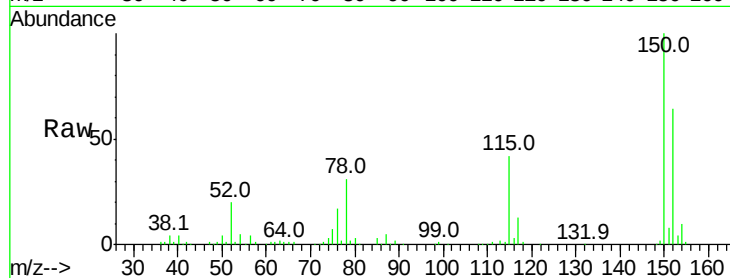


#1

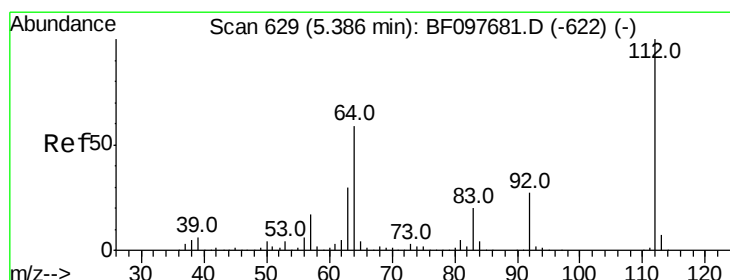
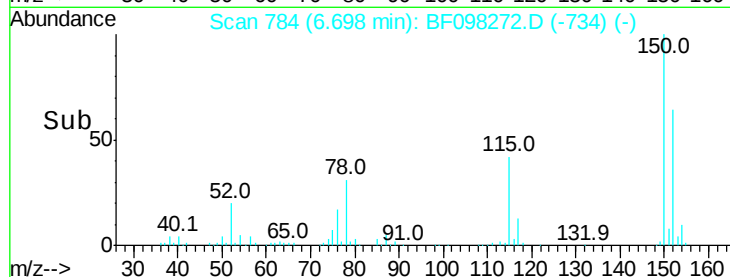
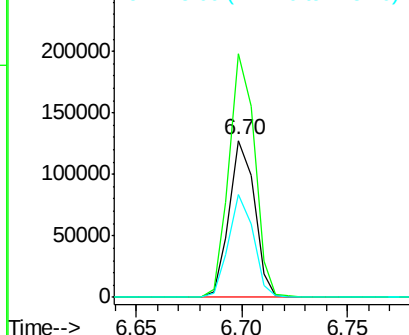
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF098272.D
Acq: 5 Sep 2017 15:04

Instrument :
BNA_F
ClientSampleId :
TP-3-4-COMP

Tot Ion:152 Resp: 106337
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 65.9 52.2 78.2



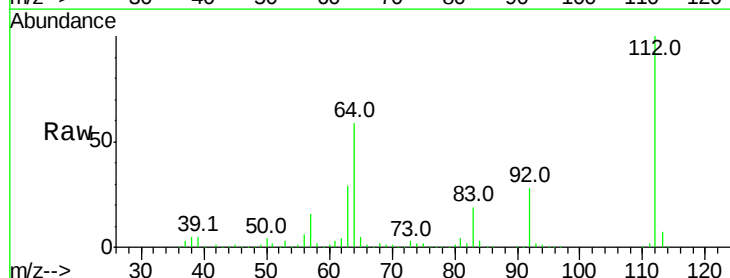
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



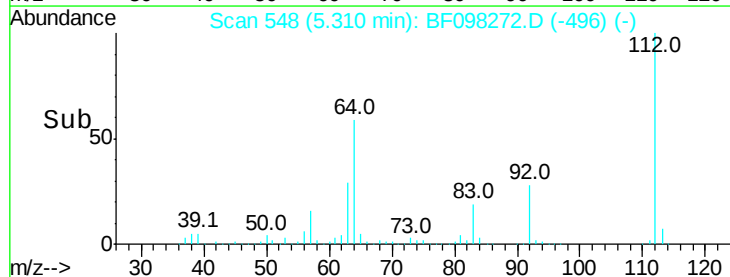
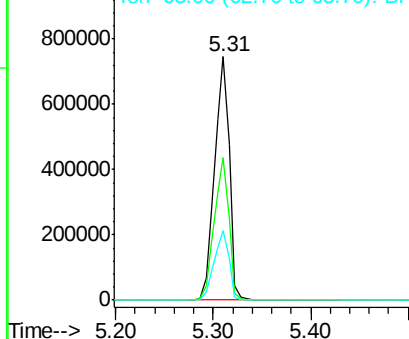
#5

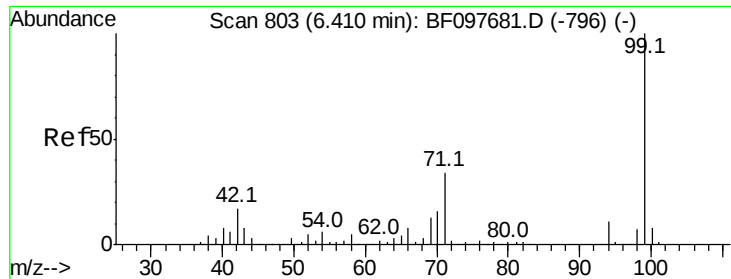
2-Fluorophenol
Concen: 110.836 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF098272.D
Acq: 5 Sep 2017 15:04

Tgt Ion:112 Resp: 774846
Ion Ratio Lower Upper
112 100
64 58.5 46.0 69.0
63 28.6 23.4 35.0



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: 114.149 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

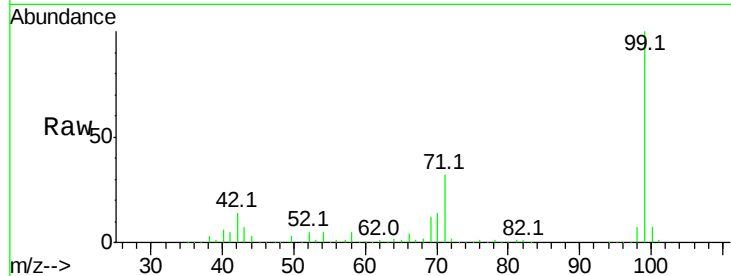
Tot Ion: 99 Resp: 1084258

Ion Ratio Lower Upper

99 100

42 14.1 13.5 20.3

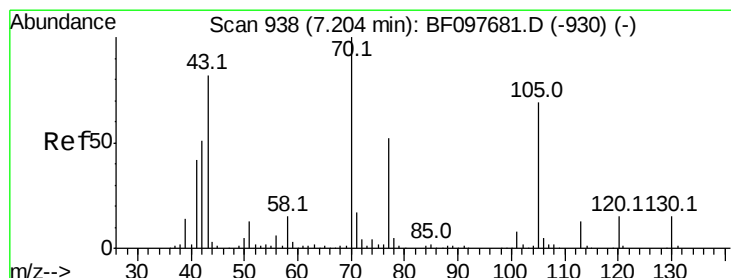
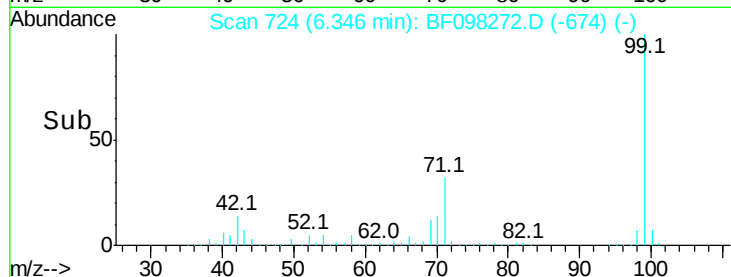
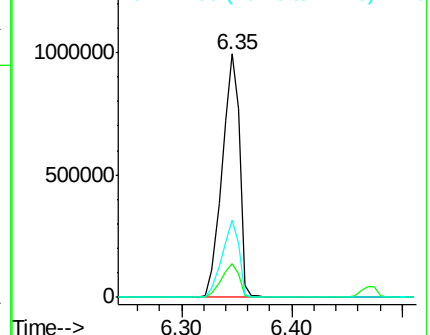
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.660 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Tgt Ion: 70 Resp: 82321

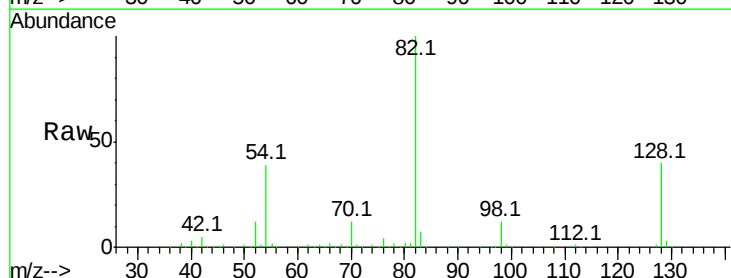
Ion Ratio Lower Upper

70 100

42 37.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

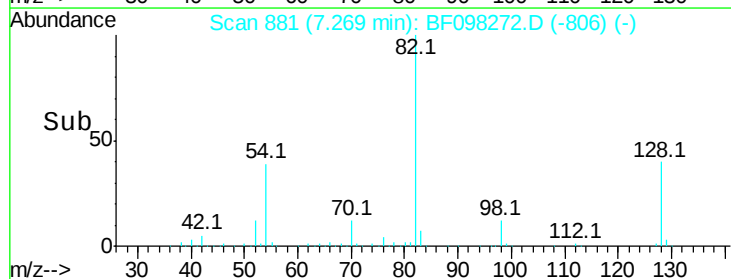
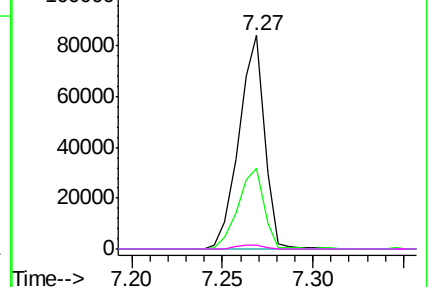


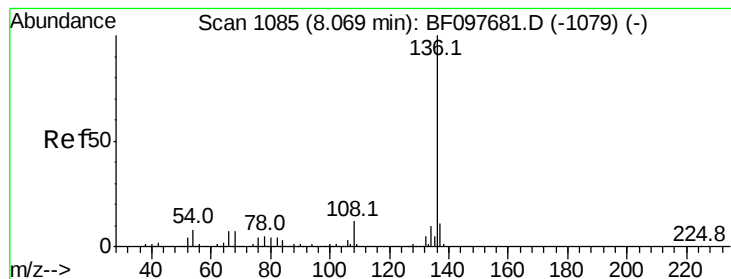
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

Tot Ion:136 Resp: 412657

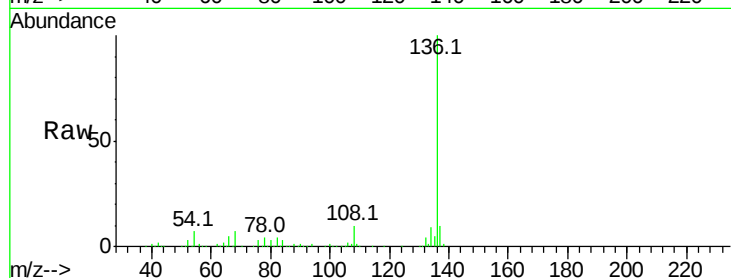
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 6.7 4.9 7.3

68 6.9 4.1 6.1#

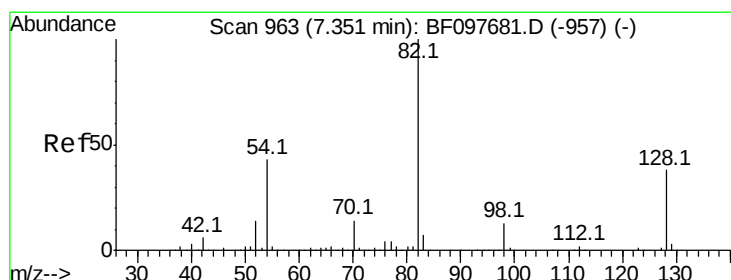
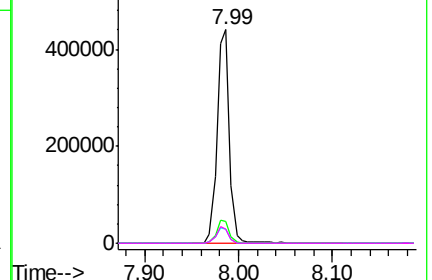
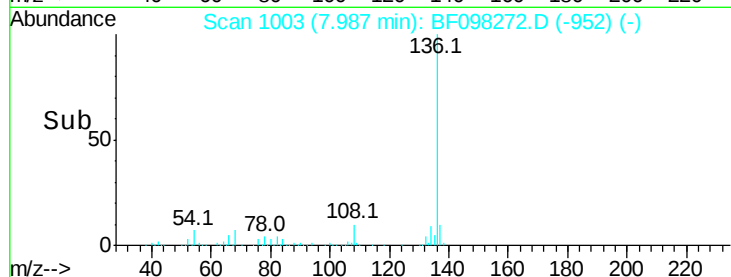


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.033 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

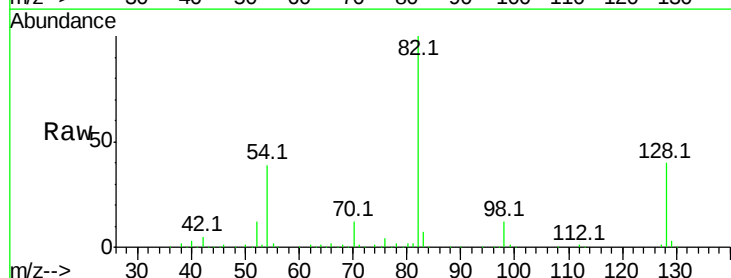
Tgt Ion: 82 Resp: 645923

Ion Ratio Lower Upper

82 100

128 40.5 34.0 51.0

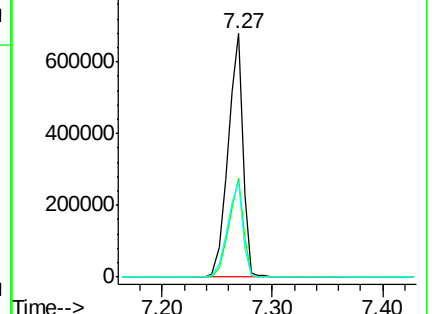
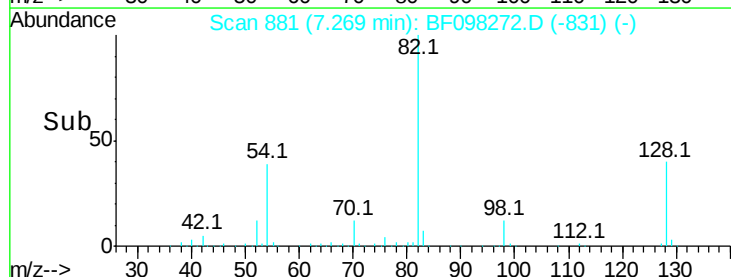
54 39.2 42.2 63.2#

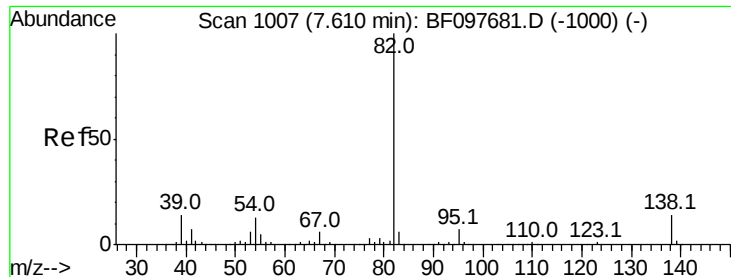


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.396 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

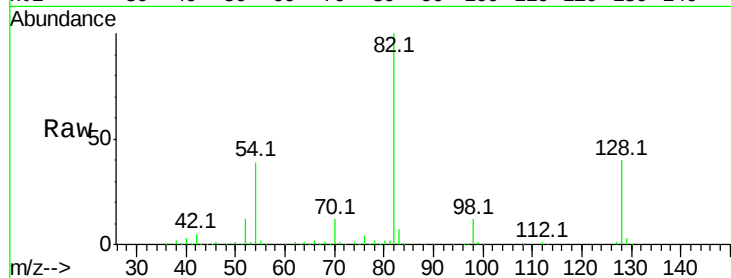
Tot Ion: 82 Resp: 638055

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

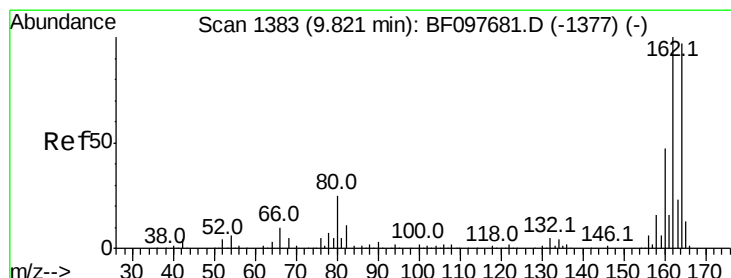
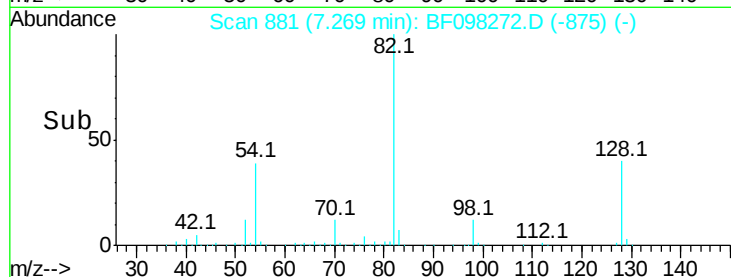
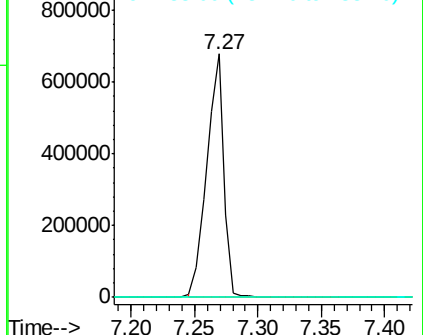
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

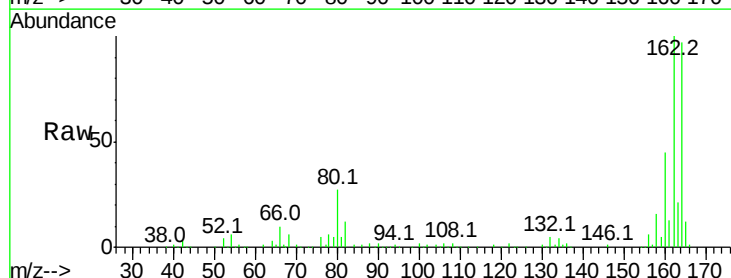
Tgt Ion:164 Resp: 180917

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

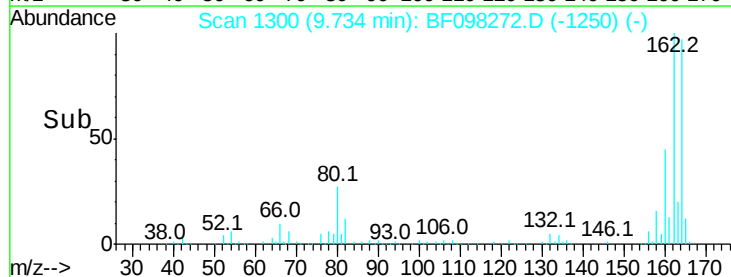
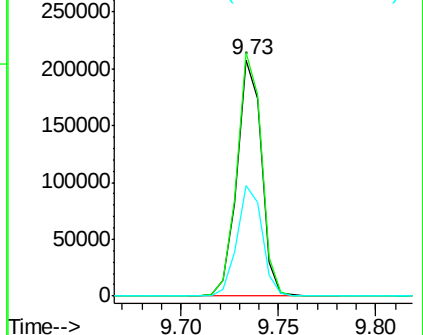
160 46.5 36.2 54.2

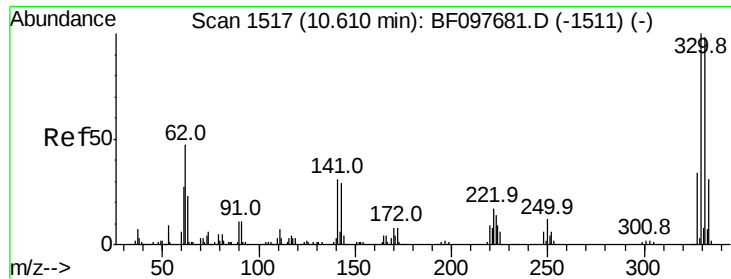


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

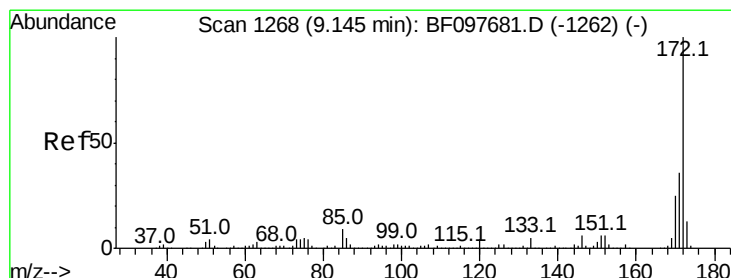
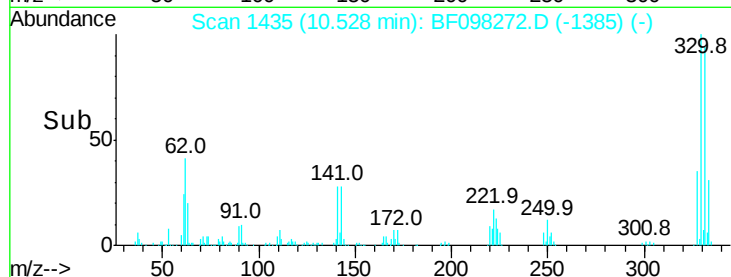
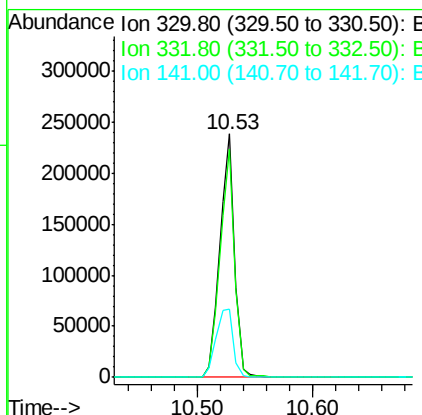
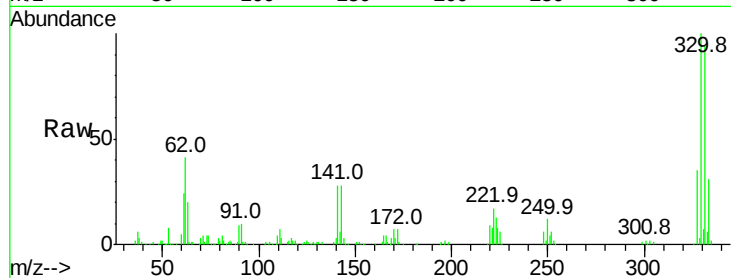




#41
 2,4,6-Tribromophenol
 Concen: 133.789 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

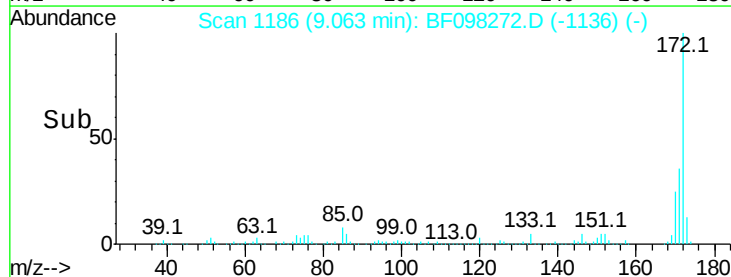
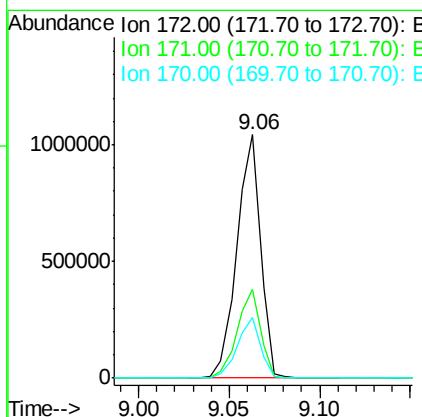
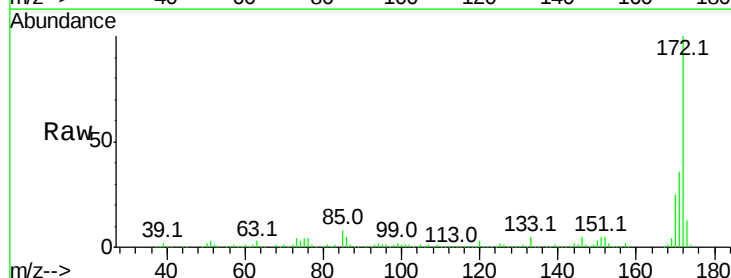
Instrument :
 BNA_F
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 TP-3-4-COMP

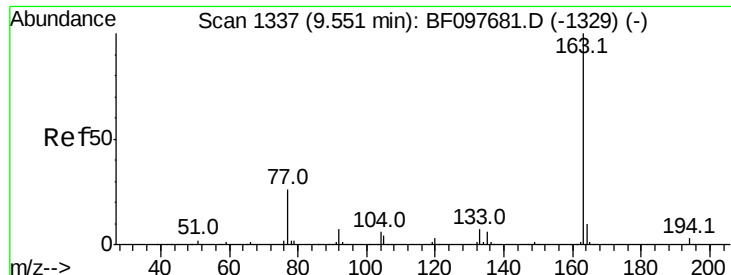
Tot Ion:330 Resp: 210015
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 33.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 76.915 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Tgt Ion:172 Resp: 947131
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.8 19.8 29.8





#49

Dimethylphthalate

Concen: 9.591 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

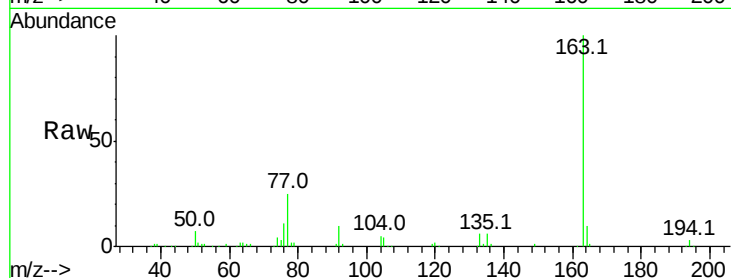
Tot Ion:163 Resp: 126839

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

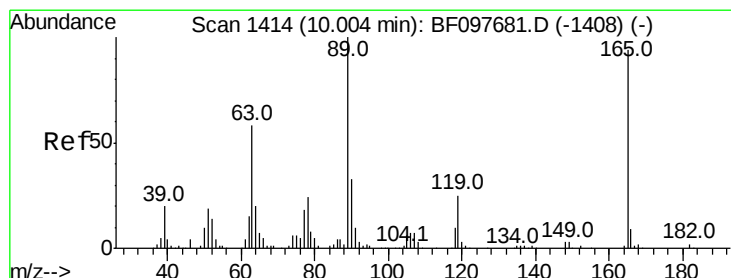
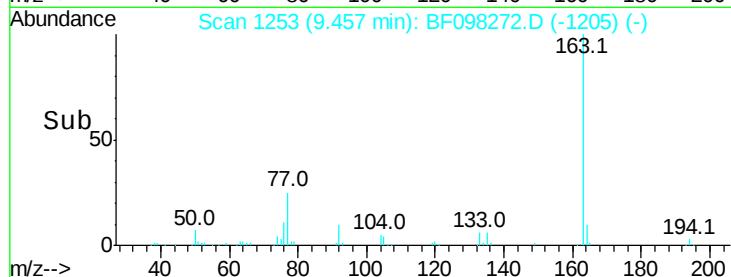
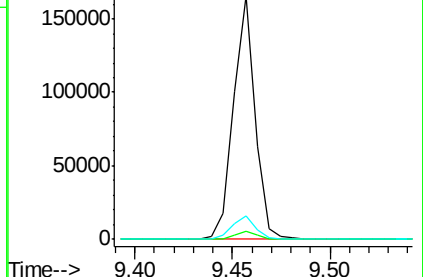
164 9.7 8.4 12.6



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: 6.589 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Tgt Ion:165 Resp: 21829

Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.8 46.4 69.6#

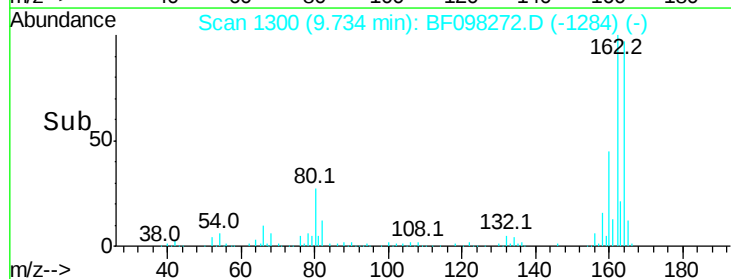
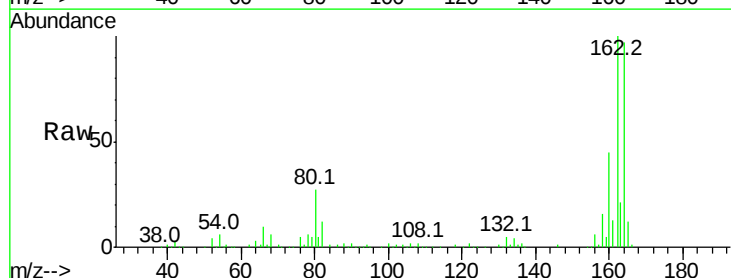
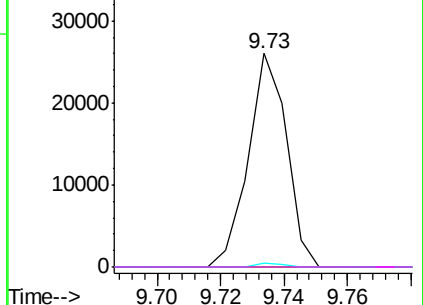
182 0.0 1.8 2.6#

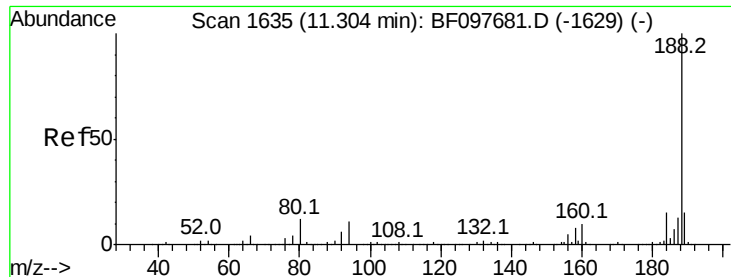
Abundance Ion 165.00 (164.70 to 165.70): E

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

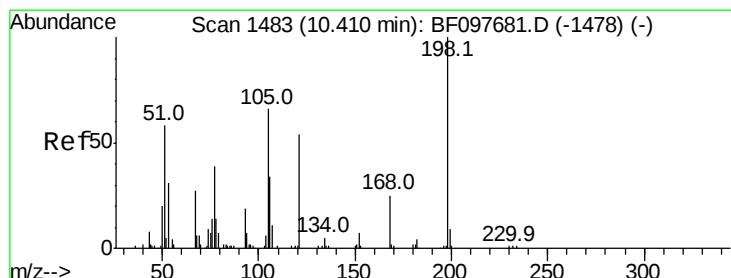
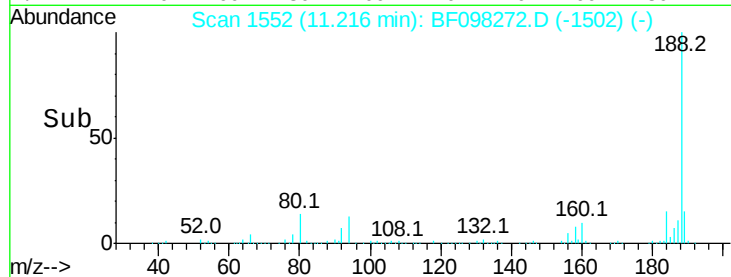
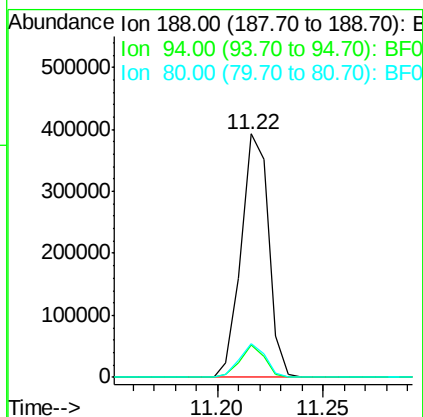
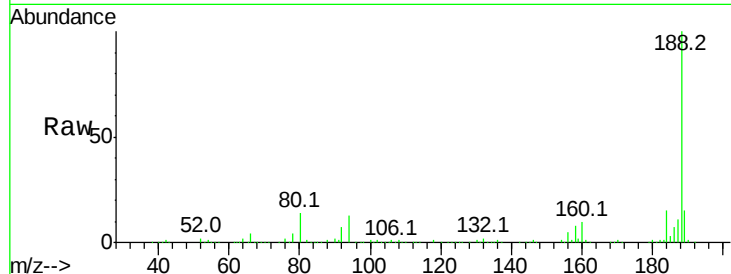




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

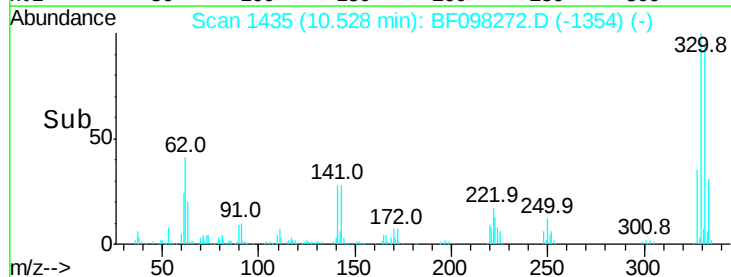
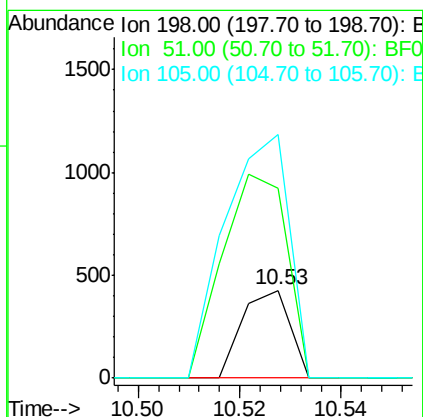
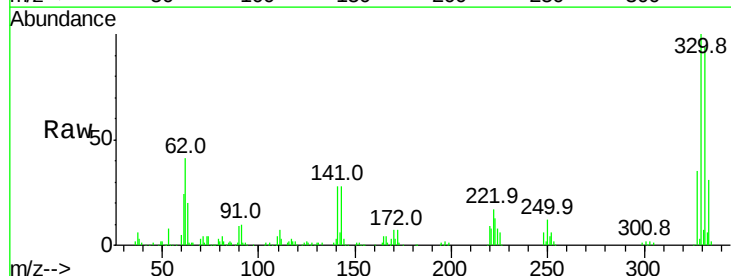
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4-COMP

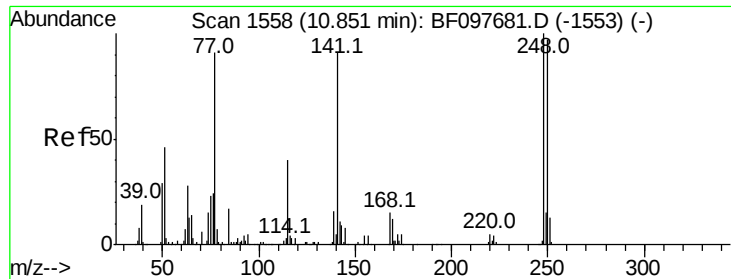
Tot Ion:188 Resp: 354332
 Ion Ratio Lower Upper
 188 100
 94 13.1 9.4 14.2
 80 13.6 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.458 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.18 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Tgt Ion:198 Resp: 277
 Ion Ratio Lower Upper
 198 100
 51 217.2 53.2 93.2#
 105 278.6 45.8 85.8#

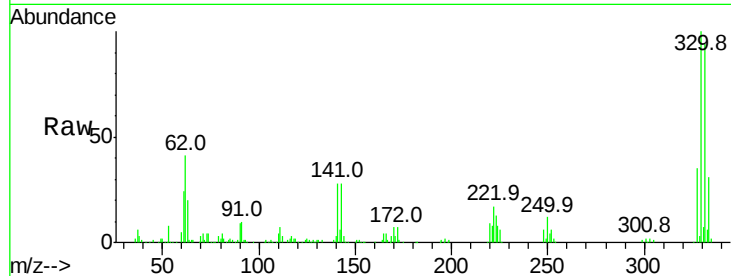




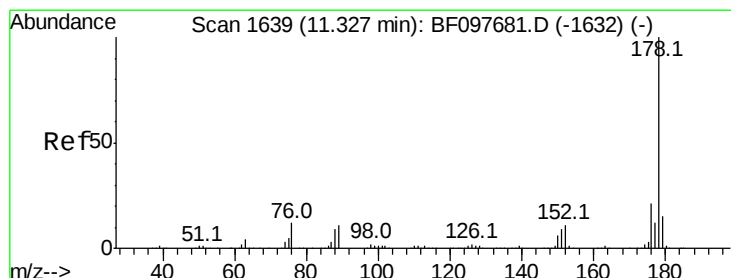
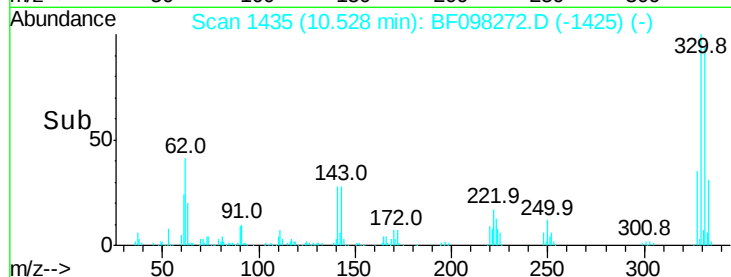
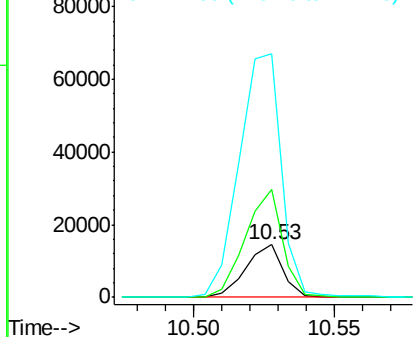
#66
 4-Bromophenyl-phenylether
 Concen: 3.566 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4-COMP

Tot Ion:248 Resp: 13122
 Ion Ratio Lower Upper
 248 100
 250 205.5 76.8 115.2#
 141 461.7 68.6 103.0#

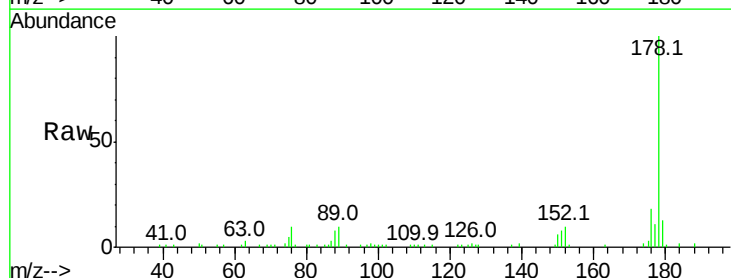


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

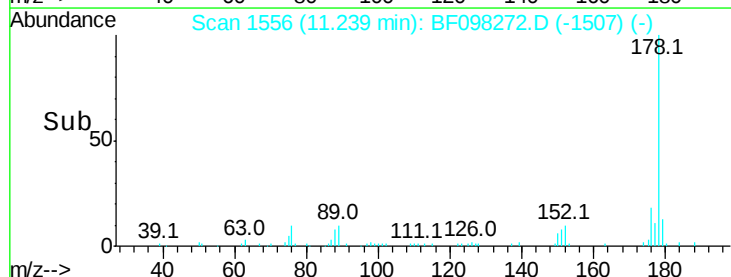
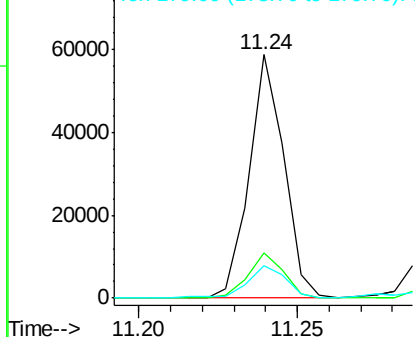


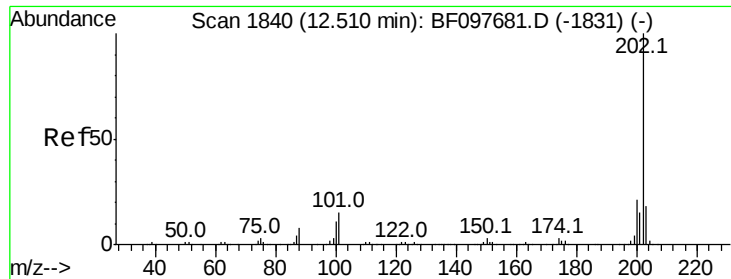
#70
 Phenanthrene
 Concen: 2.373 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Tgt Ion:178 Resp: 44811
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 13.5 12.6 19.0



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: 4.534 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

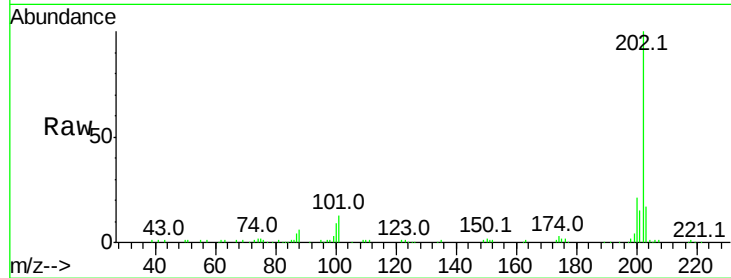
Tot Ion:202 Resp: 89352

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

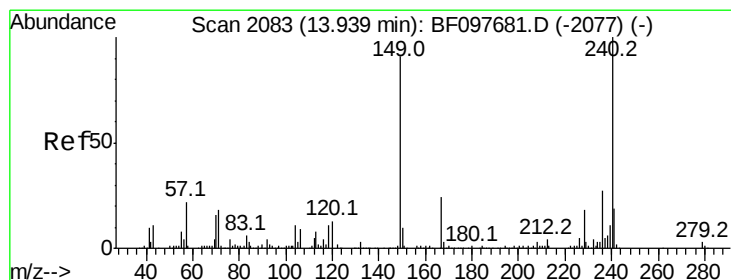
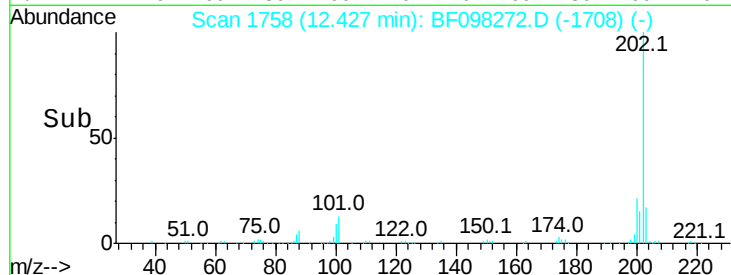
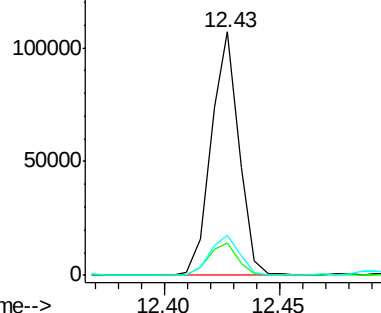
203 16.6 0.0 38.1



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: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

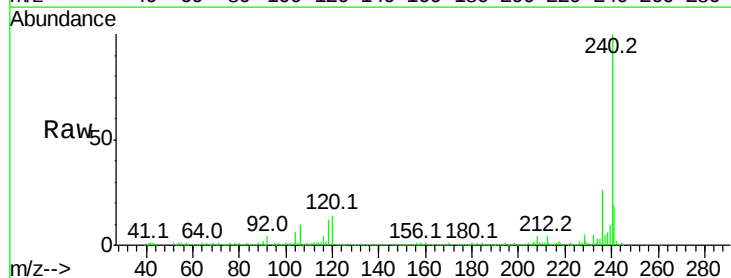
Tgt Ion:240 Resp: 239026

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

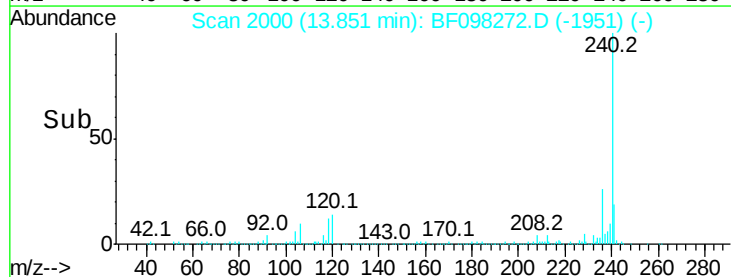
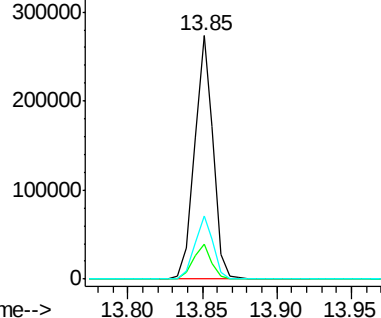
236 26.0 20.5 30.7

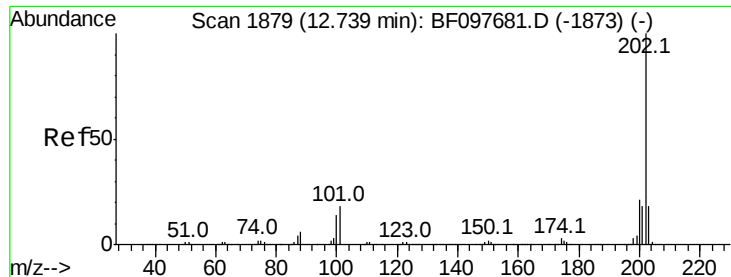


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.965 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

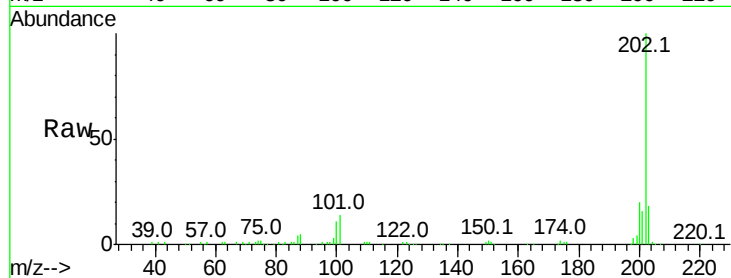
Tot Ion:202 Resp: 97061

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

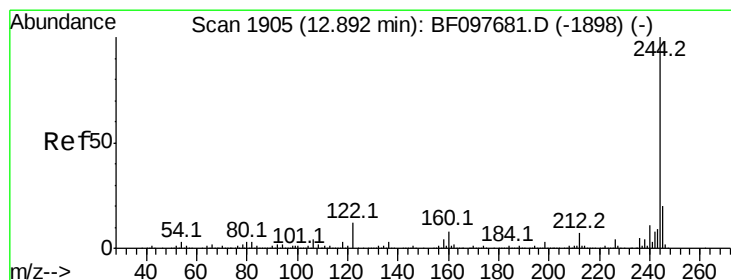
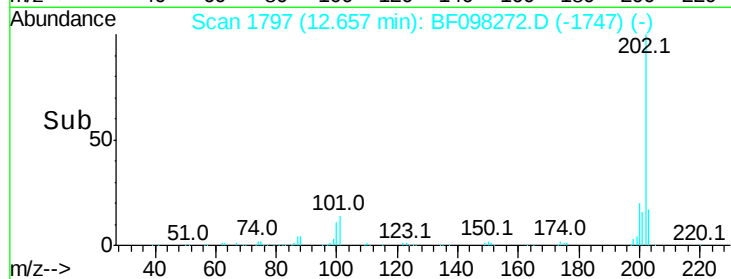
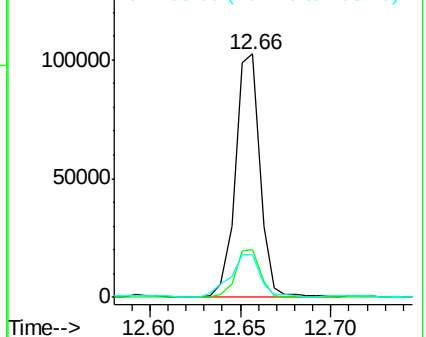
203 17.6 14.4 21.6



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: 73.782 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

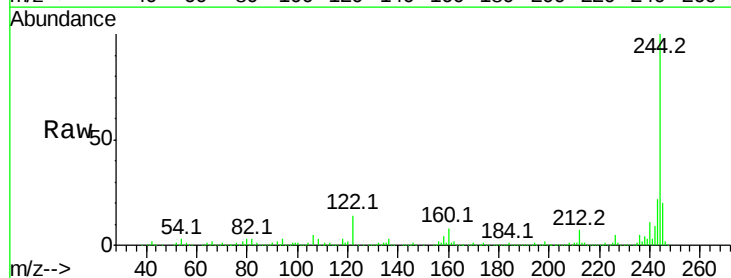
Tgt Ion:244 Resp: 845705

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

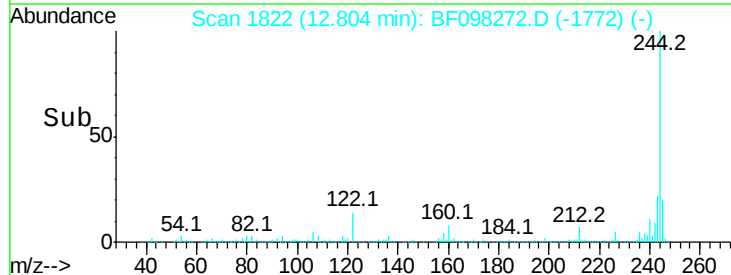
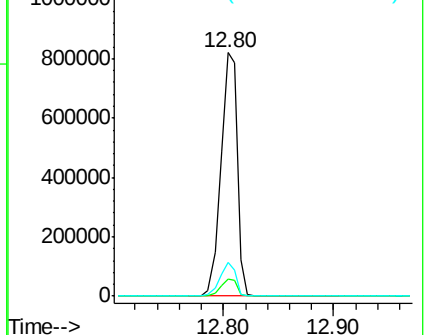
122 13.7 10.3 15.5

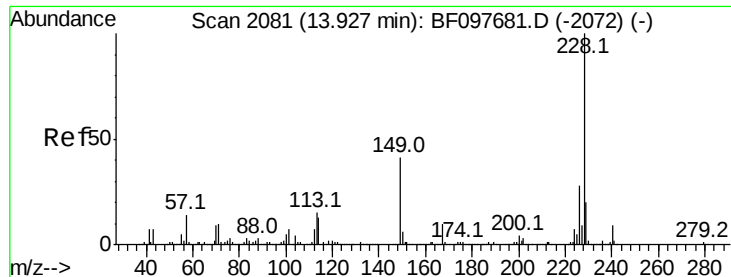


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.889 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

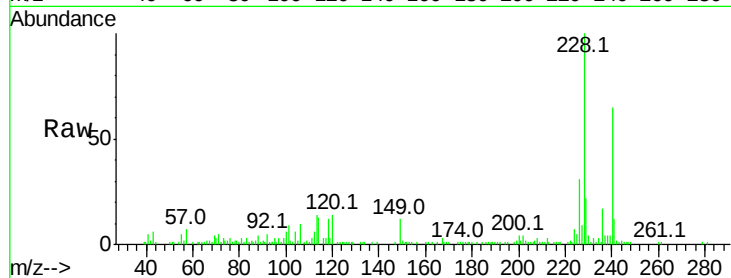
Tot Ion:228 Resp: 55708

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

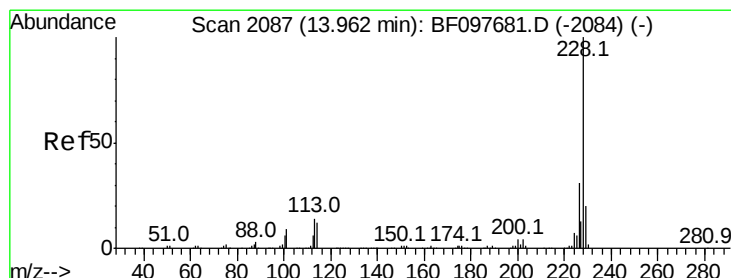
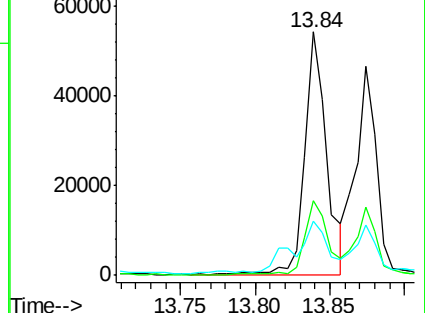
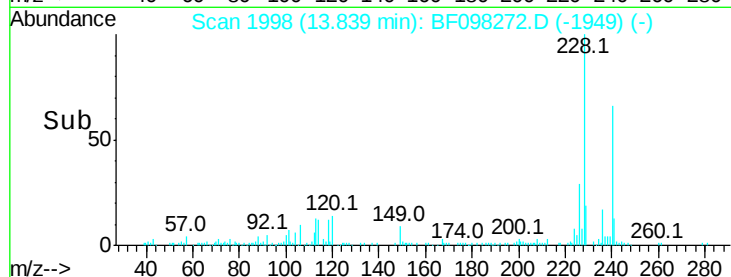
229 22.1 16.3 24.5



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: 3.909 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.05 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

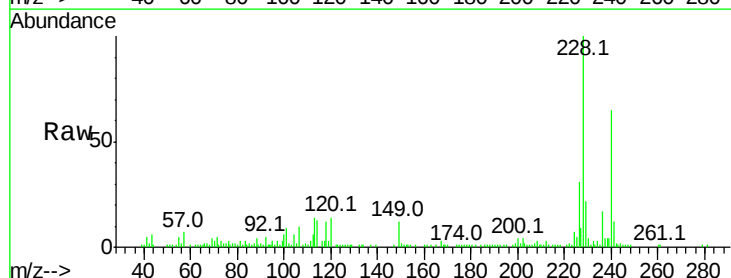
Tgt Ion:228 Resp: 55708

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

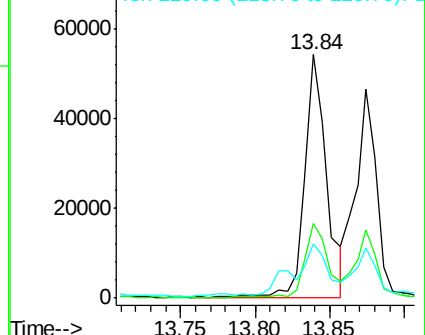
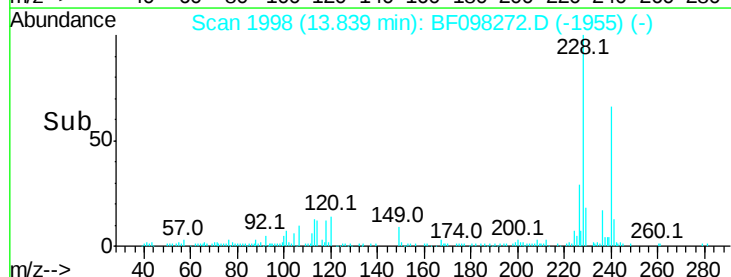
229 22.1 15.8 23.6

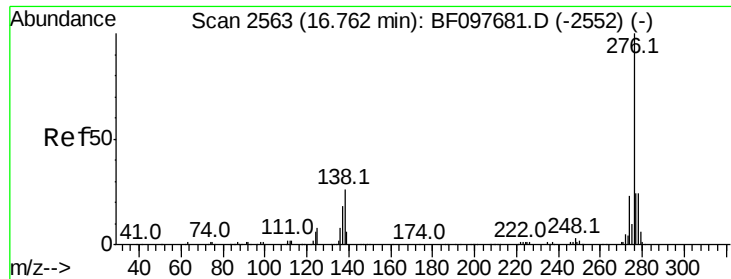


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.434 ng

RT: 16.62 min Scan# 2471

Delta R.T. -0.02 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

Instrument :

BNA_F

ClientSampleId :

TP-3-4-COMP

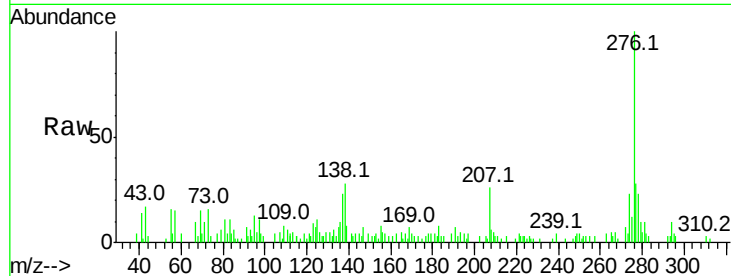
Tot Ion:276 Resp: 25517

Ion Ratio Lower Upper

276 100

138 31.1 27.8 41.6

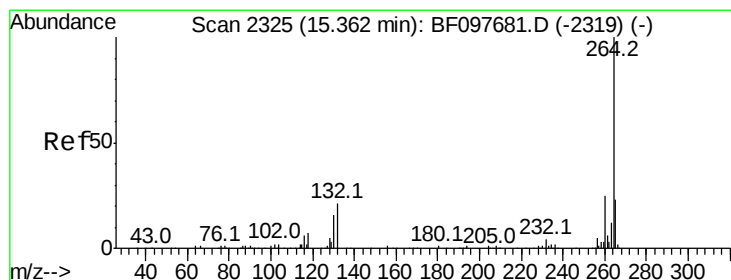
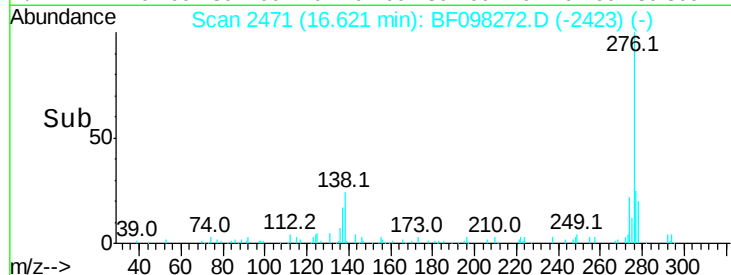
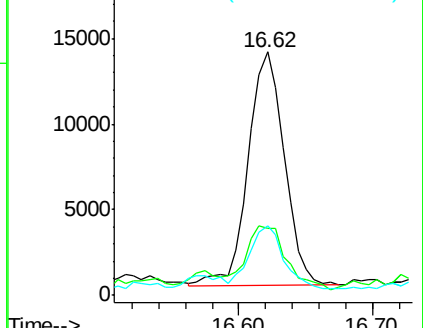
277 25.7 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.00 min

Lab File: BF098272.D

Acq: 5 Sep 2017 15:04

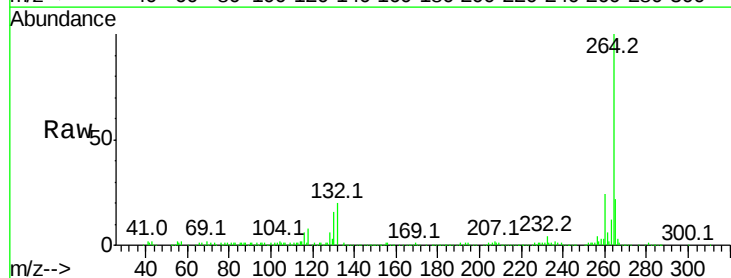
Tgt Ion:264 Resp: 197536

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

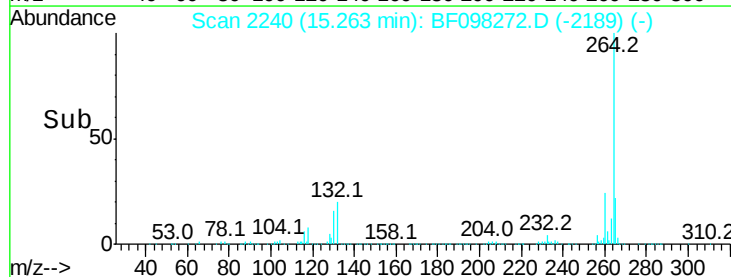
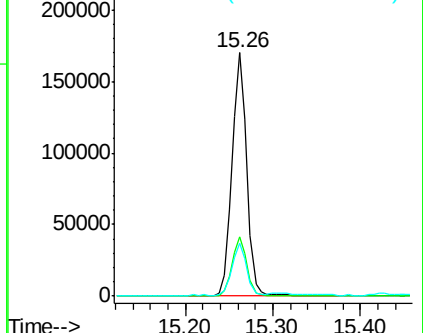
265 21.8 17.2 25.8

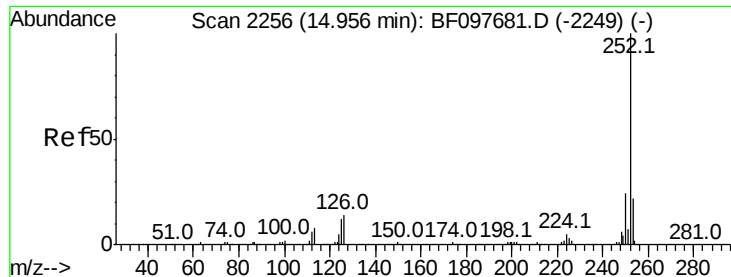


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

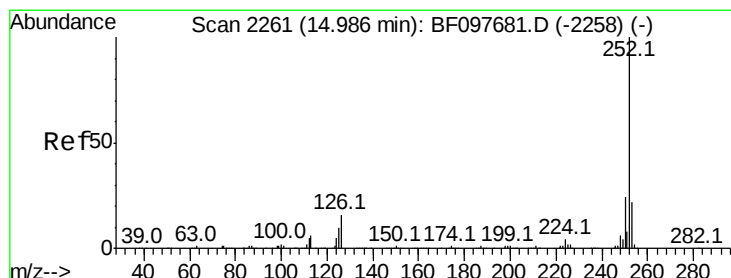
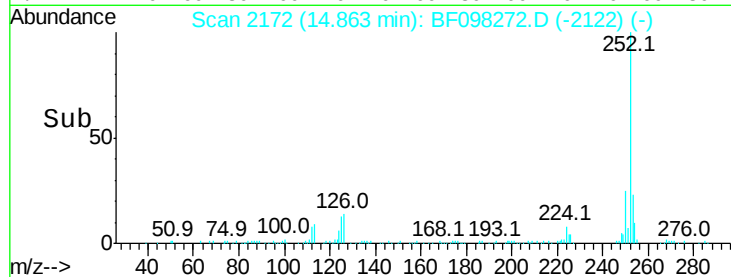
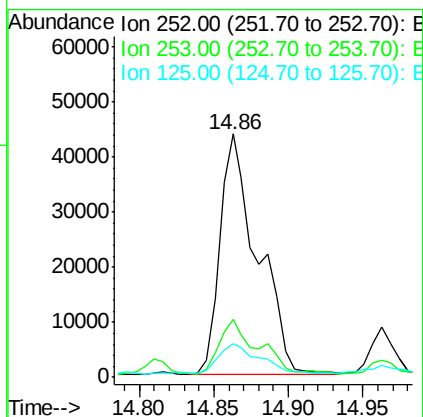
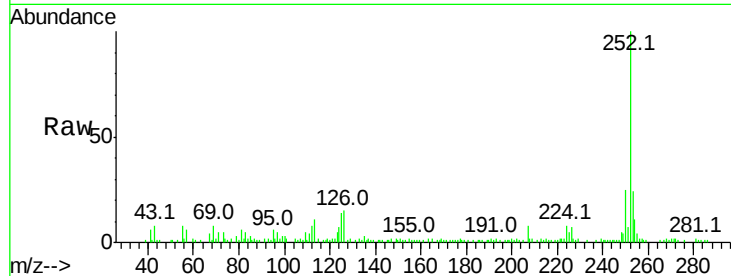




#87
Benzo(b)fluoranthene
Concen: 6.194 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF098272.D
Acq: 5 Sep 2017 15:04

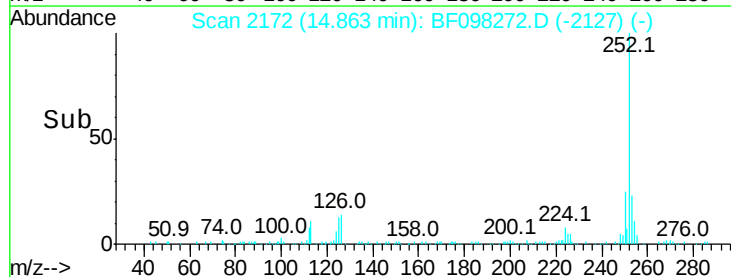
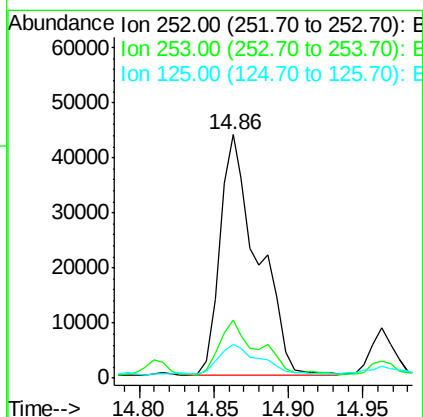
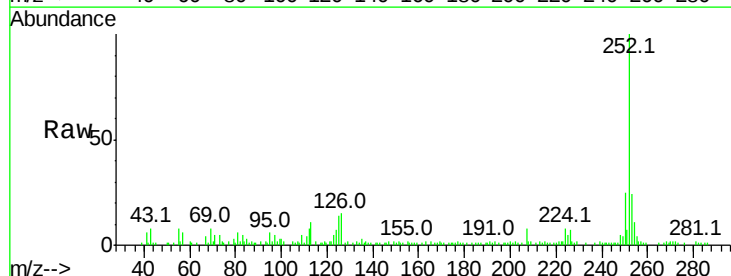
Instrument :
BNA_F
ClientSampleId :
TP-3-4-COMP

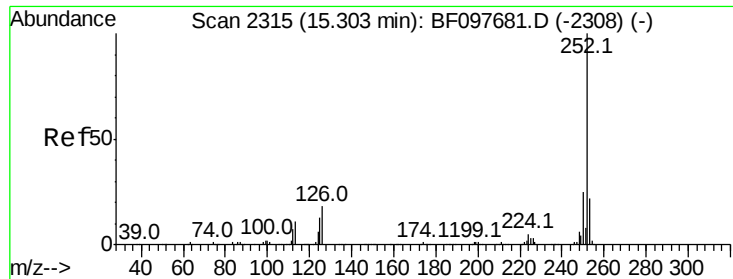
Tot Ion:252 Resp: 77120
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 14.0 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 6.593 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.04 min
Lab File: BF098272.D
Acq: 5 Sep 2017 15:04

Tgt Ion:252 Resp: 77120
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 14.0 13.1 19.7

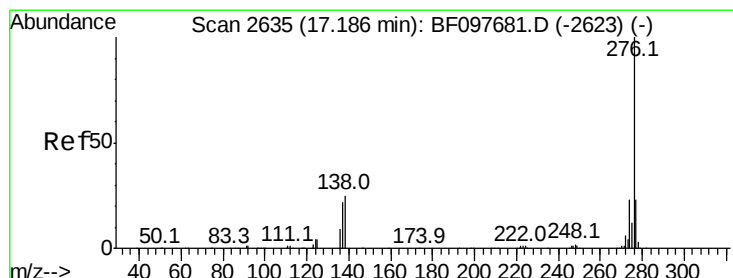
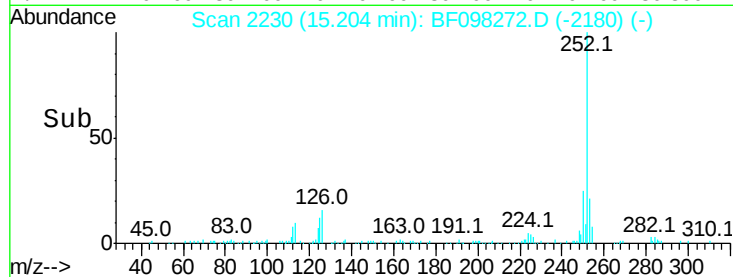
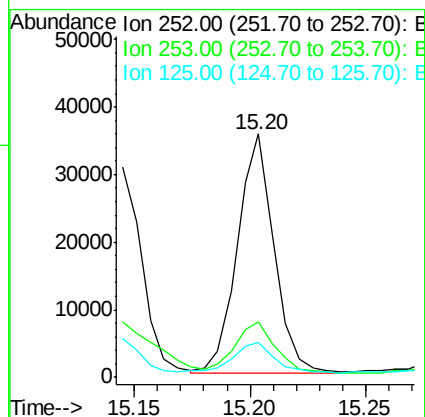
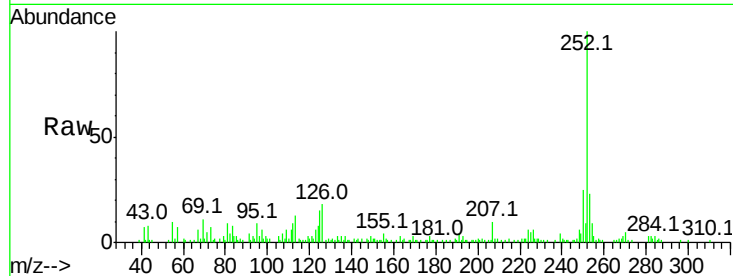




#89
 Benzo(a)pyrene
 Concen: 3.560 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-4-COMP

Tot Ion:252 Resp: 39242
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.5 26.3
 125 14.6 11.0 16.4



#91
 Benzo(g,h,i)perylene
 Concen: 3.587 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF098272.D
 Acq: 5 Sep 2017 15:04

Tgt Ion:276 Resp: 33586
 Ion Ratio Lower Upper
 276 100
 277 26.8 18.6 28.0
 138 26.5 25.4 38.0

