

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097900.D
 Acq On : 21 Aug 2017 12:18
 Operator : SJ/JU
 Sample : I4869-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

Quant Time: Aug 22 01:07:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	123559	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	494471	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	215069	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	348302	20.00	ng	0.00
75) Chrysene-d12	13.89	240	250453	20.00	ng	0.00
86) Perylene-d12	15.31	264	243810	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1100145	135.43	ng	0.01
7) Phenol-d6	6.39	99	1510713	136.88	ng	0.00
23) Nitrobenzene-d5	7.32	82	950906	104.47	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	246930	132.33	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1178697	80.52	ng	0.00
78) Terphenyl-d14	12.85	244	728505	60.66	ng	0.00

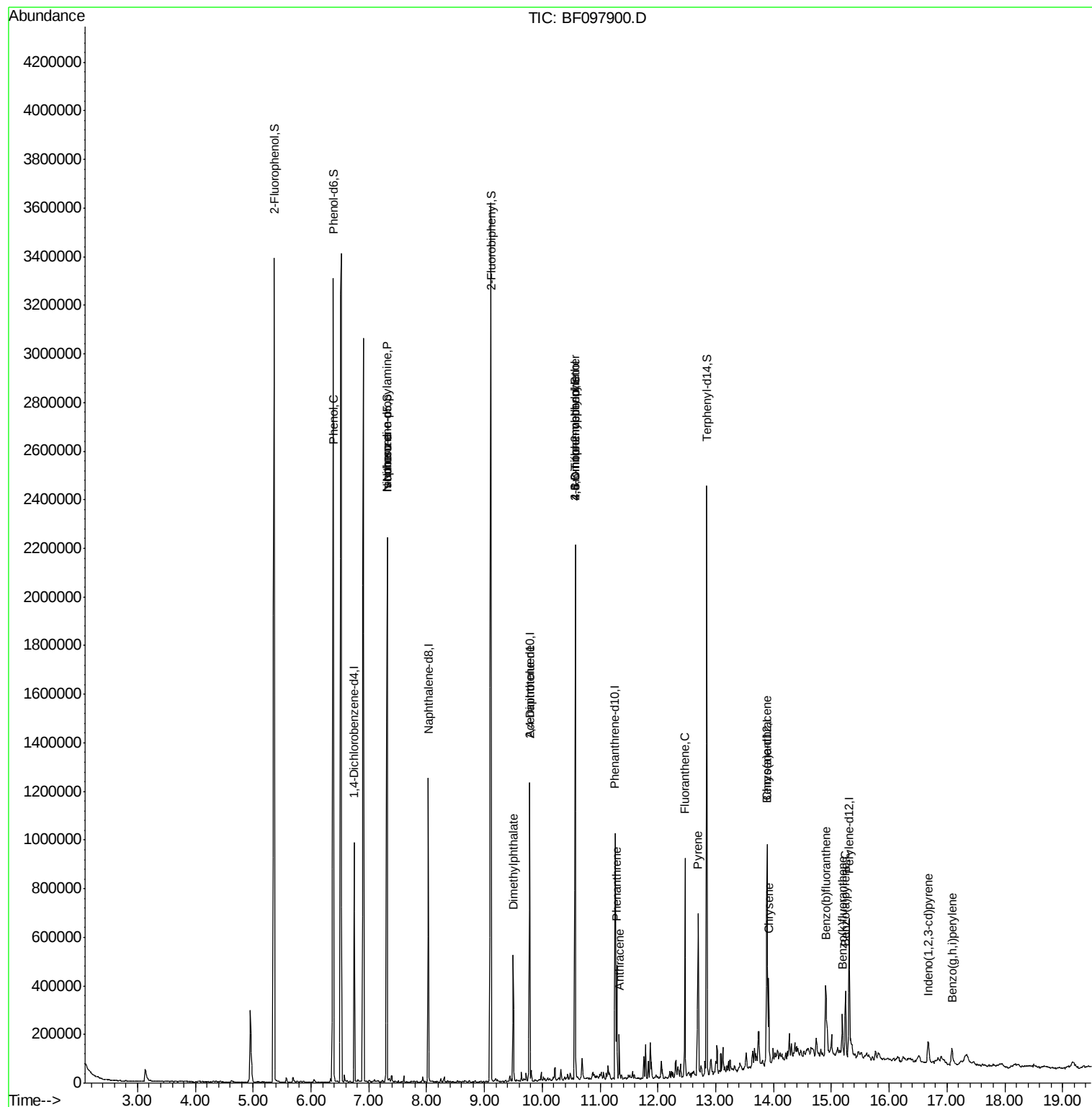
Target Compounds						Qvalue
10) Phenol	6.40	94	41136	3.19	ng	91
19) n-Nitroso-di-n-propylamine	7.31	70	128491	17.01	ng	# 72
25) Isophorone	7.32	82	944703	49.91	ng	# 67
49) Dimethylphthalate	9.50	163	164738	10.48	ng	99
56) 2,4-Dinitrotoluene	9.78	165	27401	6.96	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	793	8.72	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	16412	4.54	ng	# 1
70) Phenanthrene	11.29	178	166101	8.95	ng	98
71) Anthracene	11.33	178	56973	3.03	ng	97
74) Fluoranthene	12.47	202	312968	16.16	ng	98
77) Pyrene	12.70	202	266994	13.03	ng	98
80) Benzo(a)anthracene	13.88	228	158171	10.54	ng	96
82) Chrysene	13.92	228	122719	8.22	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	55548	5.06	ng	93
87) Benzo(b)fluoranthene	14.90	252	208769	13.58	ng	99
88) Benzo(k)fluoranthene	15.19	252	72363	5.01	ng	98
89) Benzo(a)pyrene	15.24	252	117096	8.61	ng	98
91) Benzo(g,h,i)perylene	17.09	276	51765	4.48	ng	93

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

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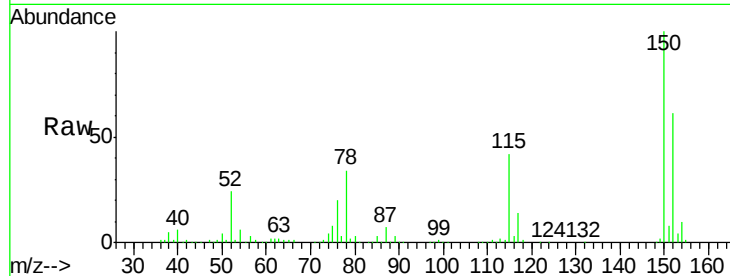


#1

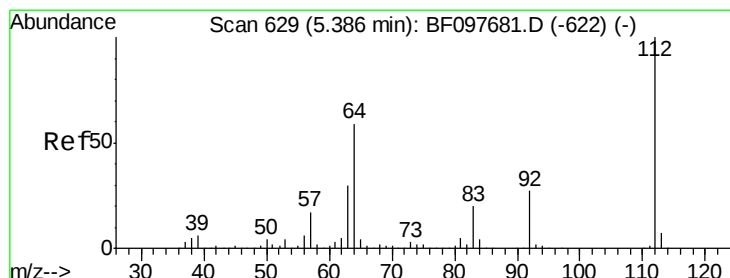
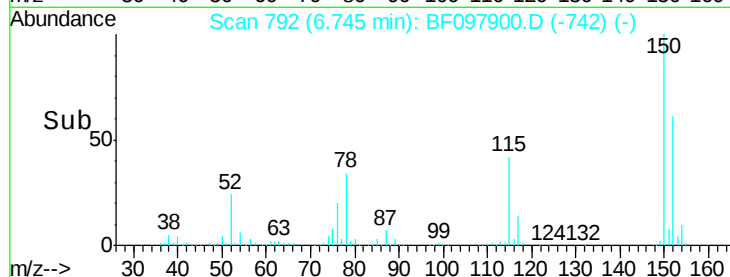
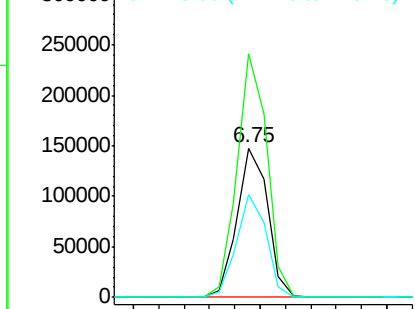
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion:152 Resp: 123559
Ion Ratio Lower Upper
152 100
150 162.9 126.2 189.2
115 68.7 52.2 78.2



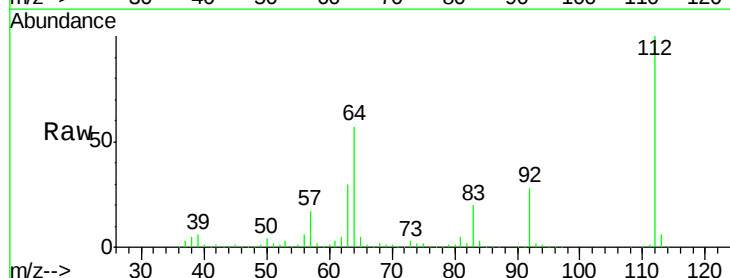
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



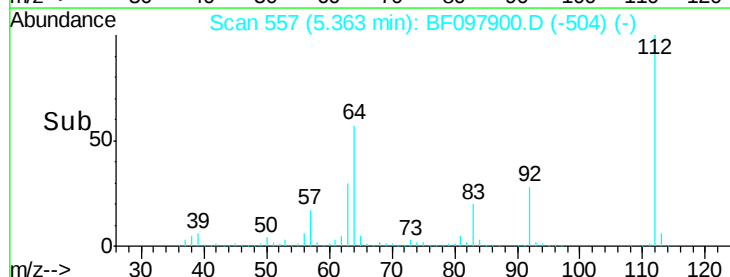
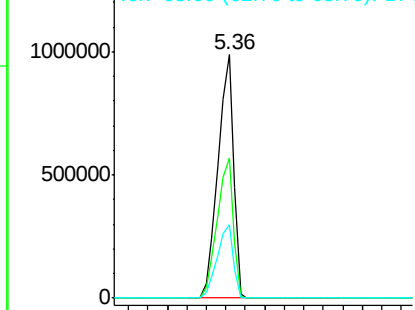
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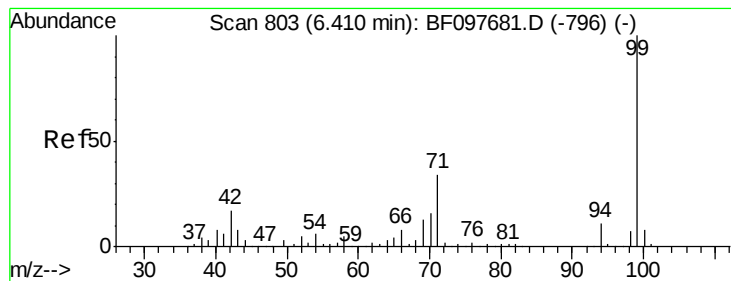
2-Fluorophenol
Concen: 135.43 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:112 Resp: 1100145
Ion Ratio Lower Upper
112 100
64 57.3 46.0 69.0
63 30.1 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: 136.88 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

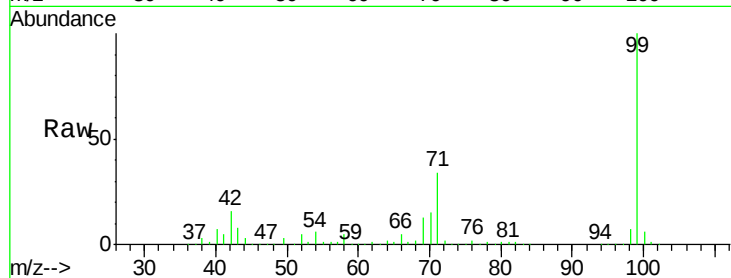
Tot Ion: 99 Resp: 1510713

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	33.7	24.5	36.7

99 100

42 15.6 13.5 20.3

71 33.7 24.5 36.7

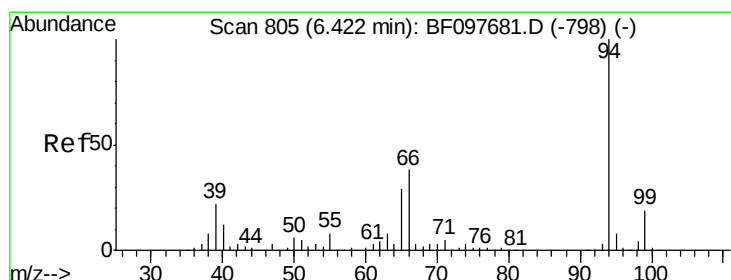
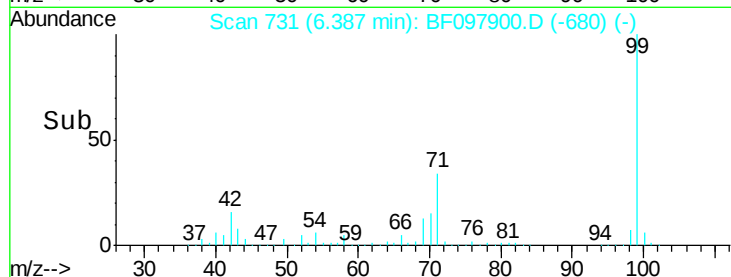
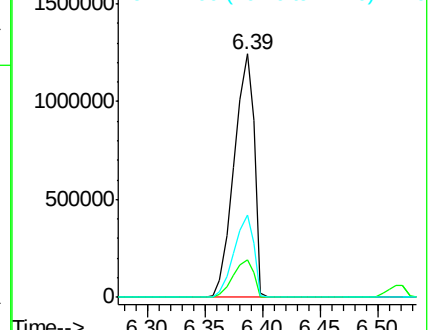


Abundance

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



#10

Phenol

Concen: 3.19 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

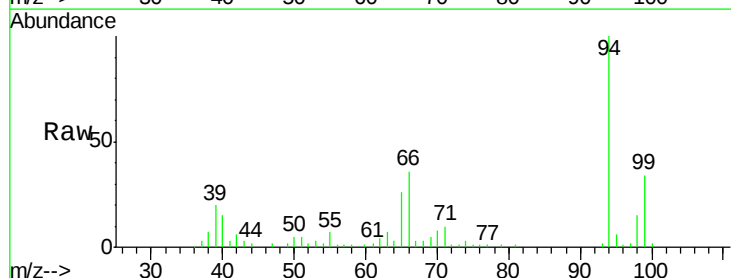
Tgt Ion: 94 Resp: 41136

Ion	Ratio	Lower	Upper
94	100		
65	26.3	9.9	49.9
66	36.4	23.1	63.1

94 100

65 26.3 9.9 49.9

66 36.4 23.1 63.1

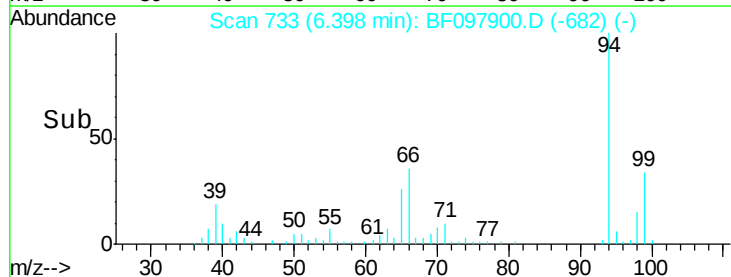
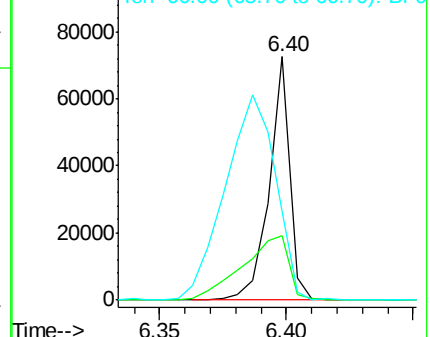


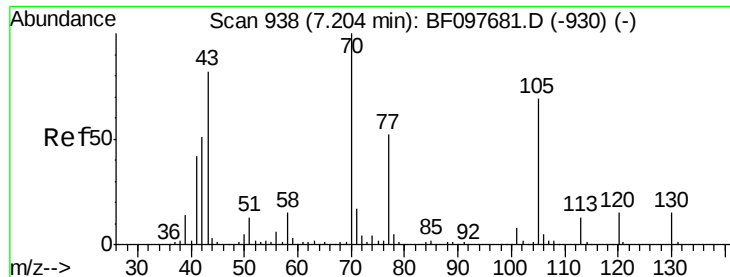
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

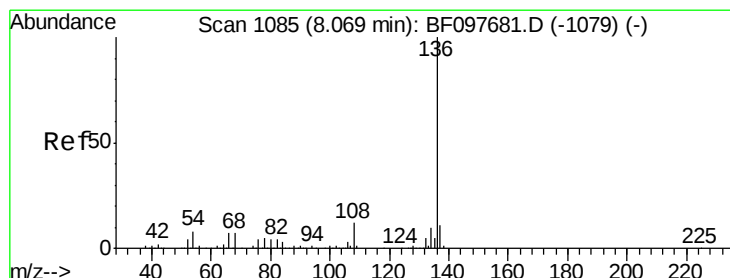
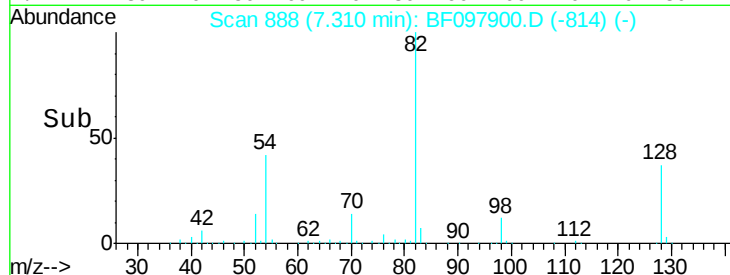
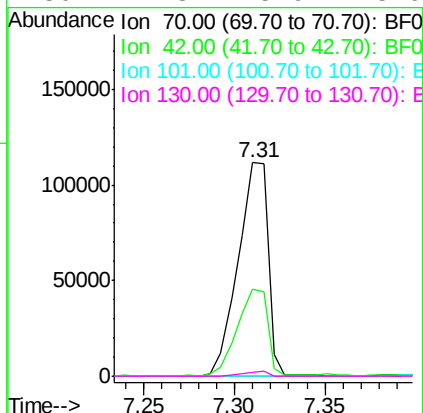
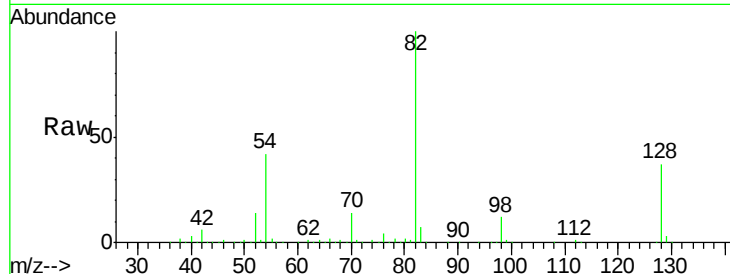




#19
n-Nitroso-di-n-propylamine
Concen: 17.01 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

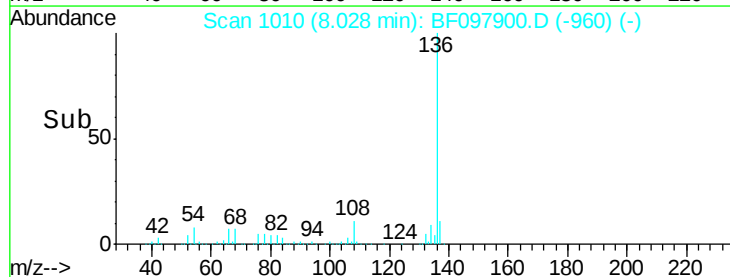
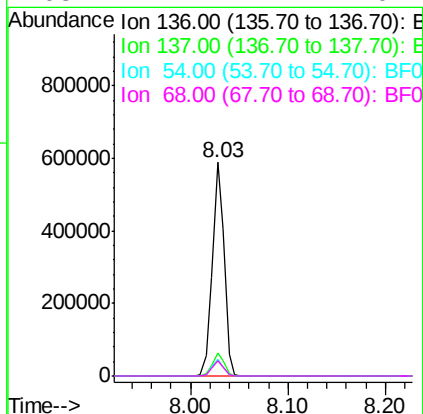
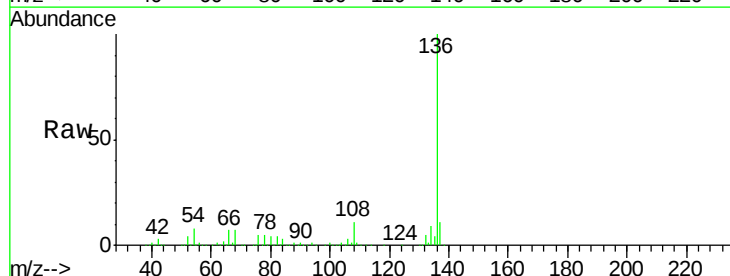
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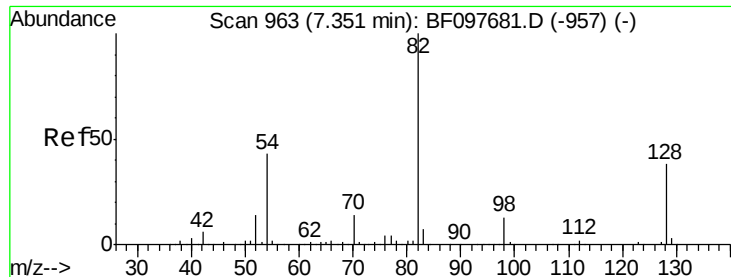
Tot Ion: 70 Resp: 128491
Ion Ratio Lower Upper
70 100
42 40.9 47.2 70.8#
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:136 Resp: 494471
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.8 4.9 7.3#
68 7.4 4.1 6.1#

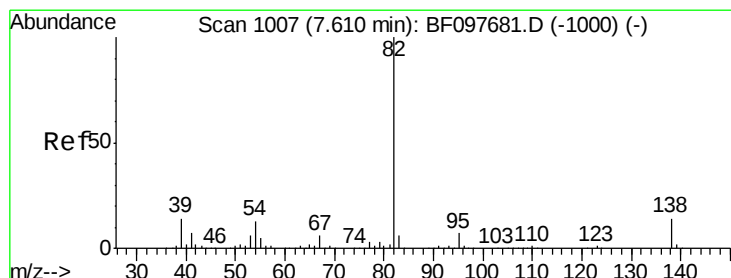
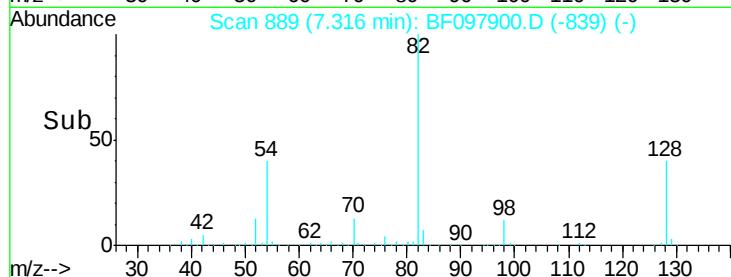
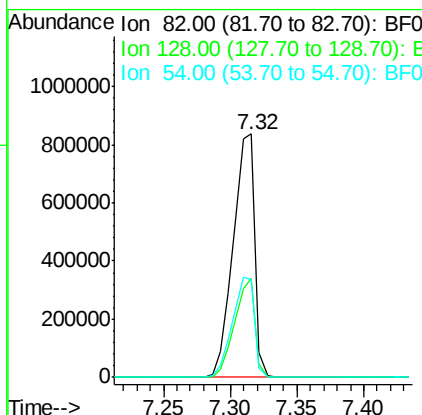
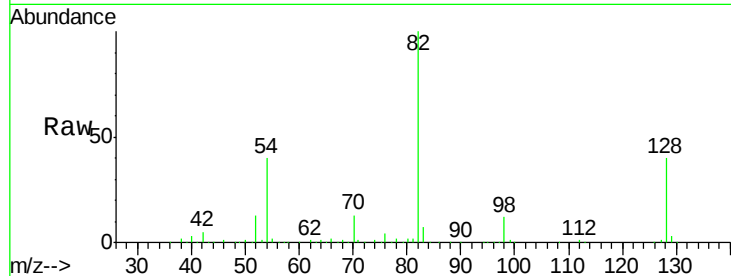




#23
 Nitrobenzene-d5
 Concen: 104.47 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

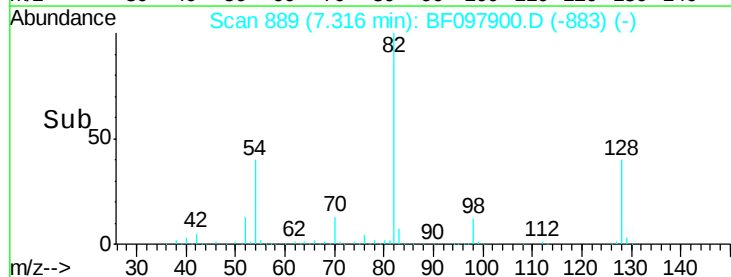
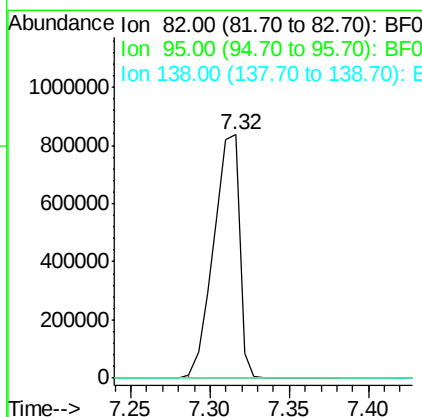
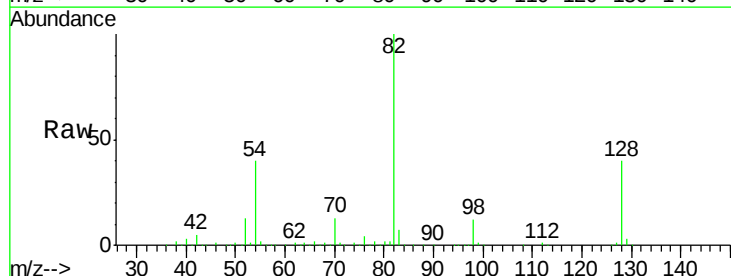
Instrument :
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 SASP2P-TP-106-A(0-5)COMP

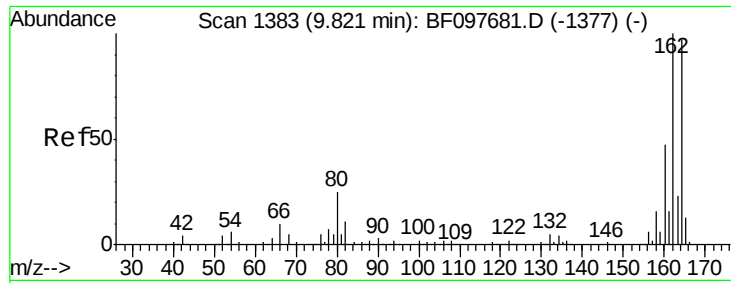
Tot Ion: 82 Resp: 950906
 Ion Ratio Lower Upper
 82 100
 128 40.5 34.0 51.0
 54 40.2 42.2 63.2#



#25
 Isophorone
 Concen: 49.91 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.26 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion: 82 Resp: 944703
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

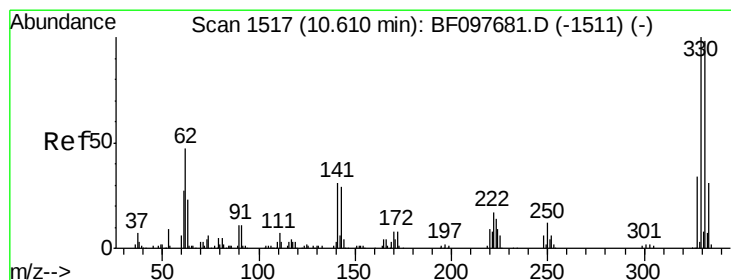
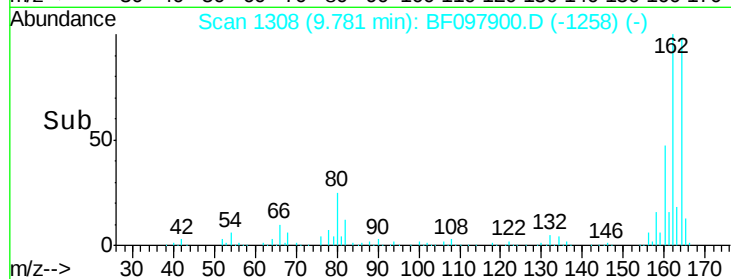
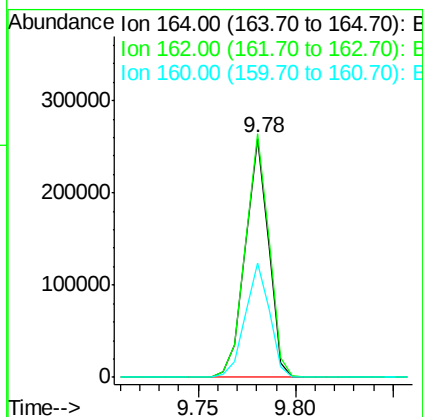
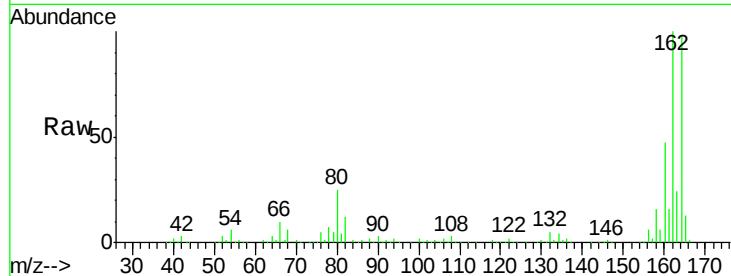




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

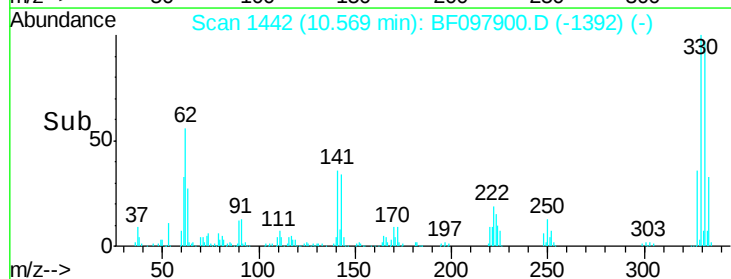
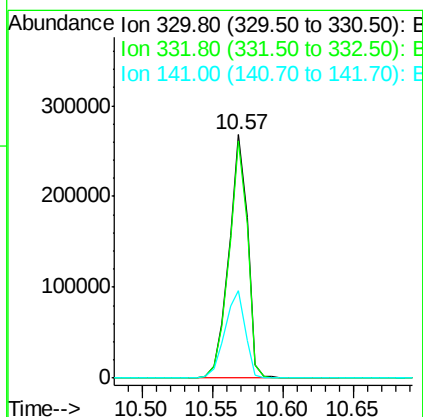
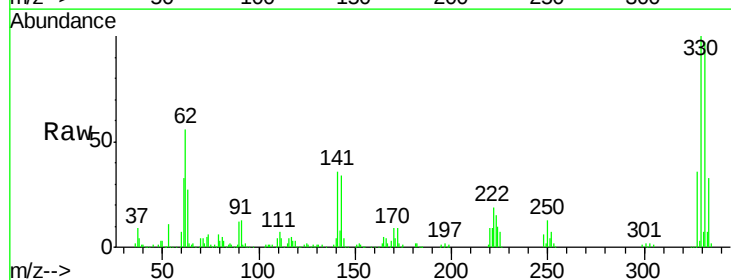
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 SASP2P-TP-106-A(0-5)COMP

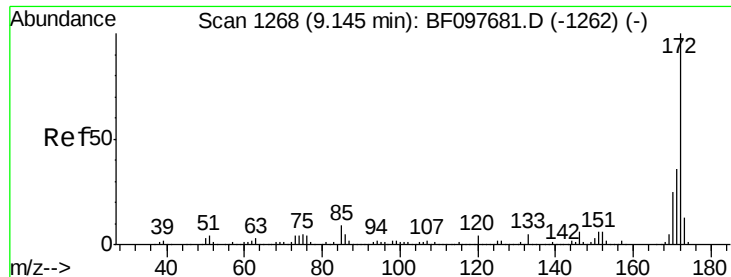
Tot Ion:164 Resp: 215069
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 47.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 132.33 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion:330 Resp: 246930
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 39.3 31.4 47.2

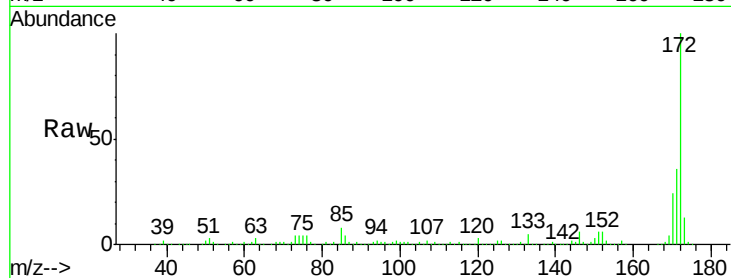




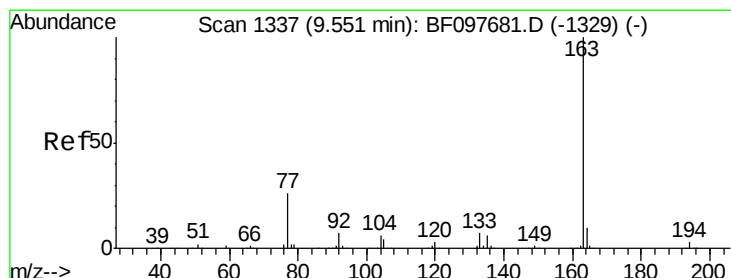
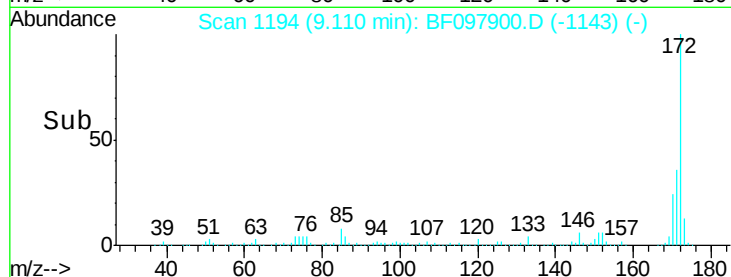
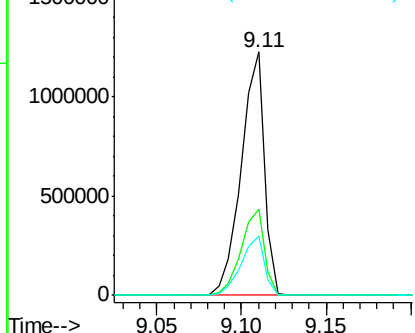
#44
2-Fluorobiphenyl
Concen: 80.52 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion:172 Resp: 1178697
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 24.3 19.8 29.8

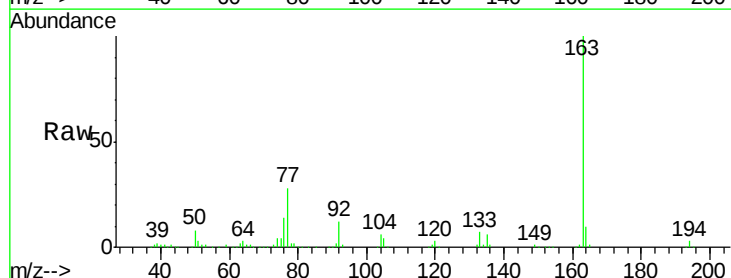


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

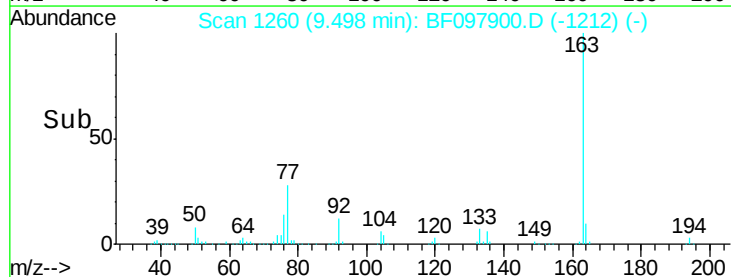
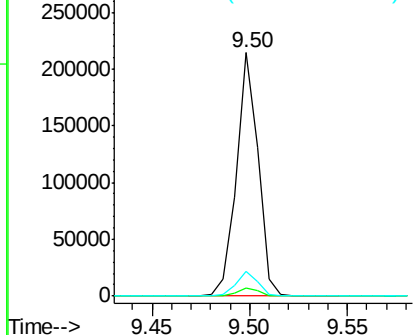


#49
Dimethylphthalate
Concen: 10.48 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:163 Resp: 164738
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.0 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

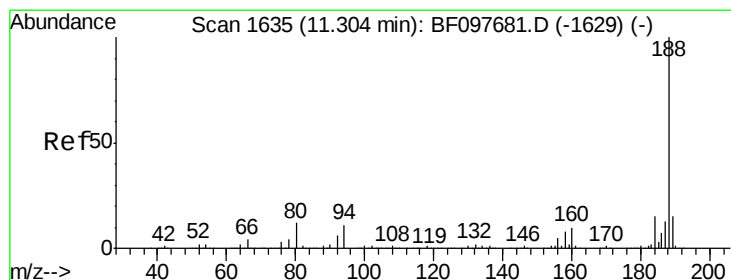
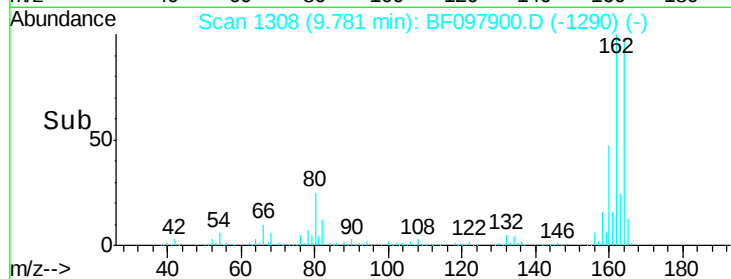
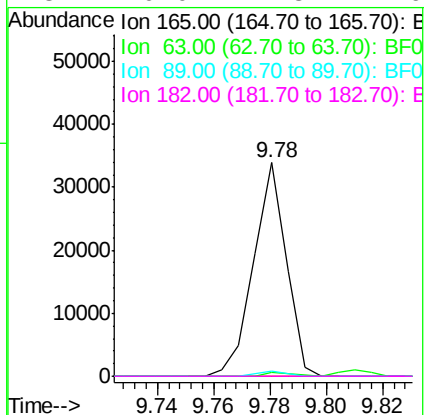
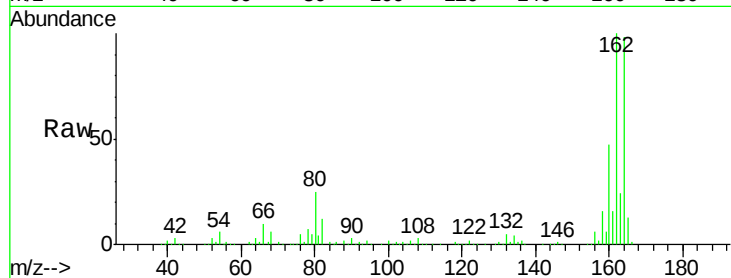




#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

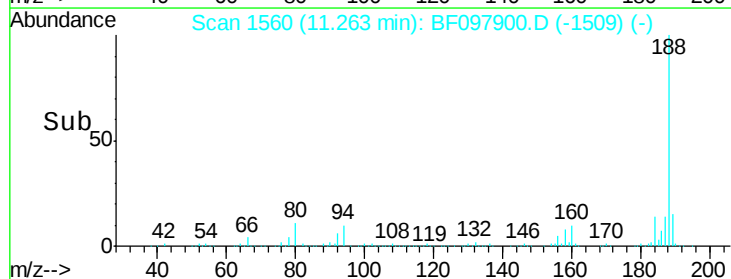
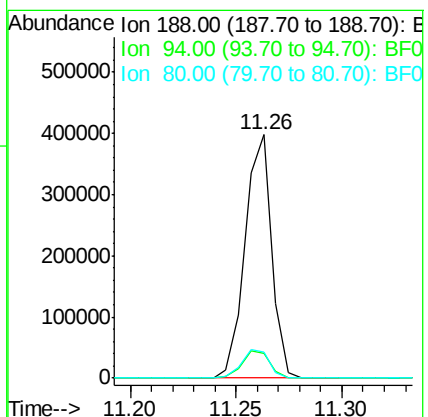
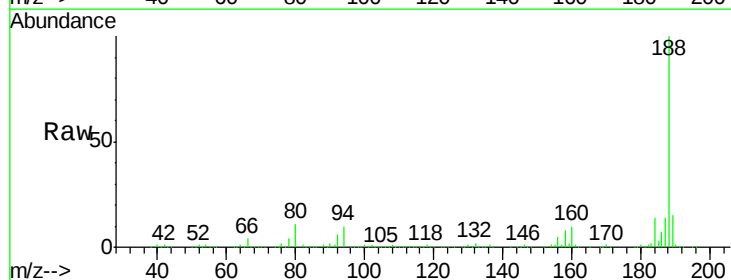
Instrument :
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 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

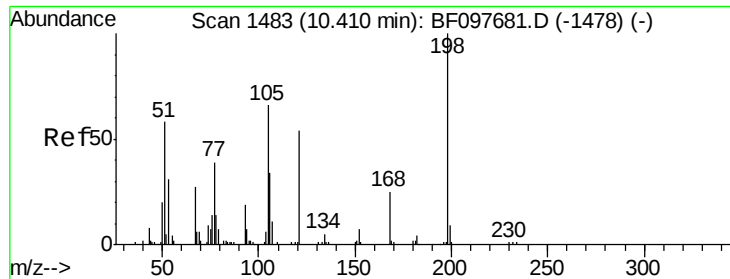
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.9	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.72 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

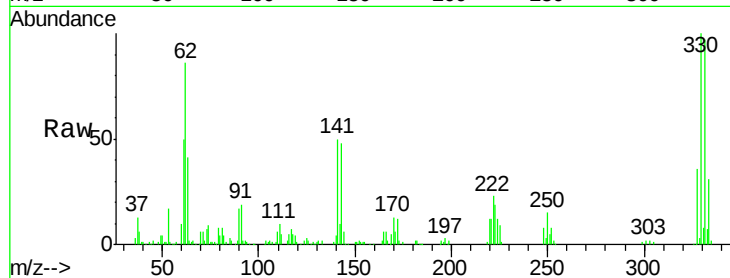
Tot Ion:198 Resp: 793

Ion Ratio Lower Upper

198 100

51 177.2 53.2 93.2#

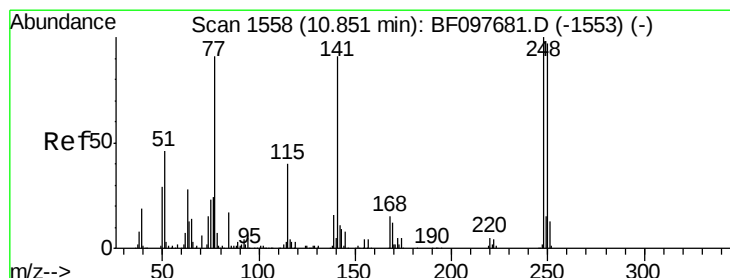
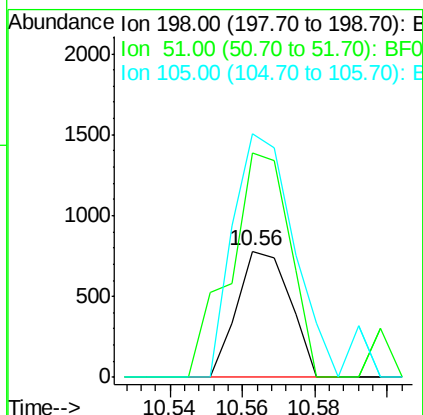
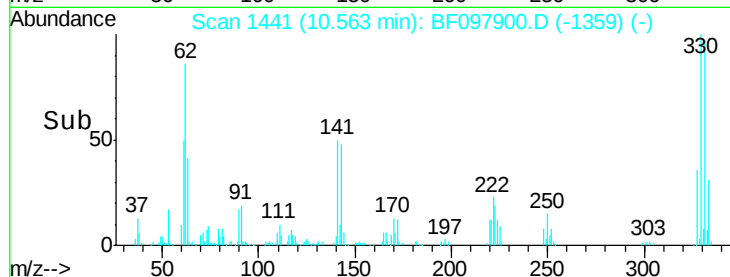
105 192.7 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.54 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.25 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

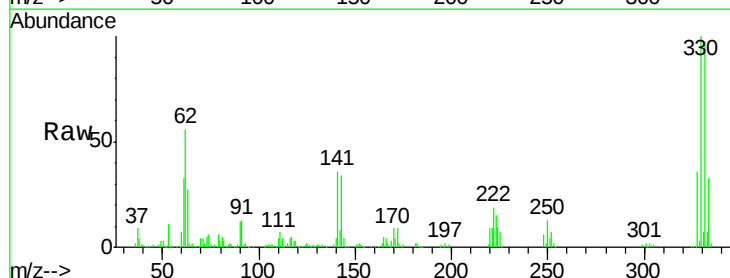
Tgt Ion:248 Resp: 16412

Ion Ratio Lower Upper

248 100

250 210.9 76.8 115.2#

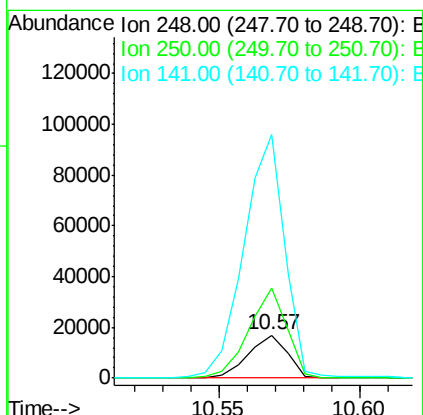
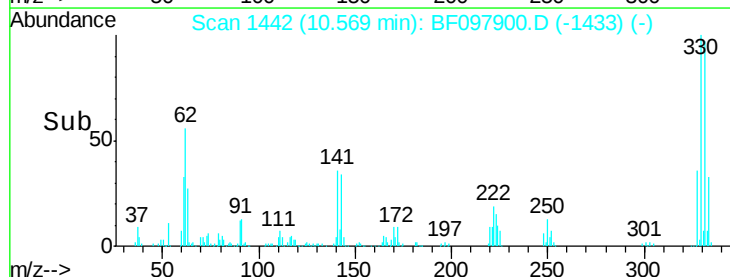
141 566.9 68.6 103.0#

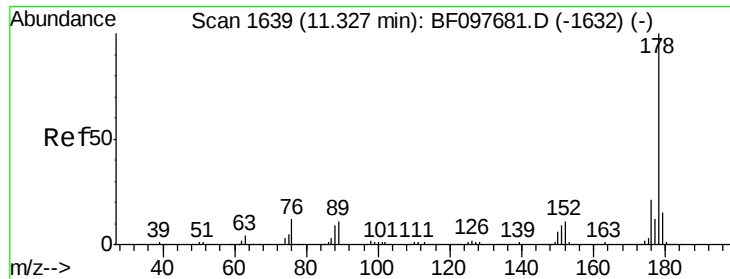


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

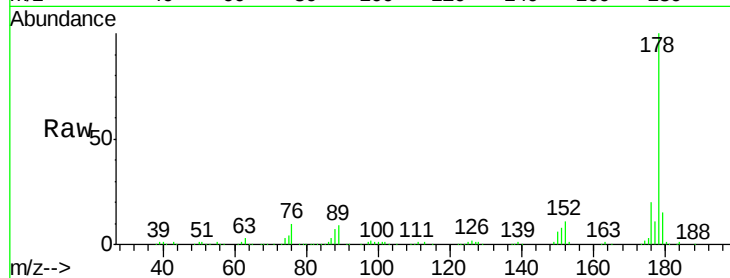




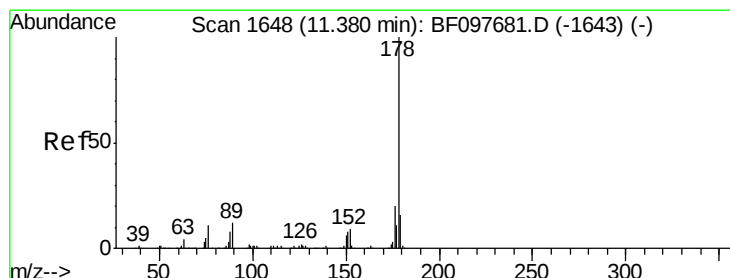
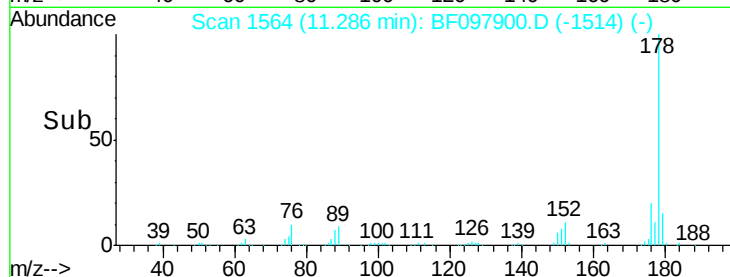
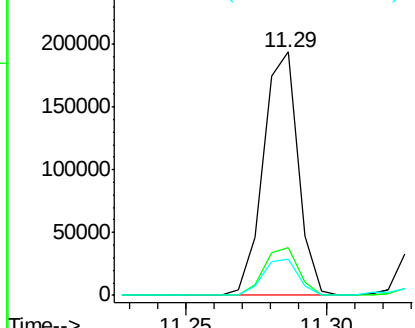
#70
Phenanthrene
Concen: 8.95 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion:178 Resp: 166101
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.0 12.6 19.0

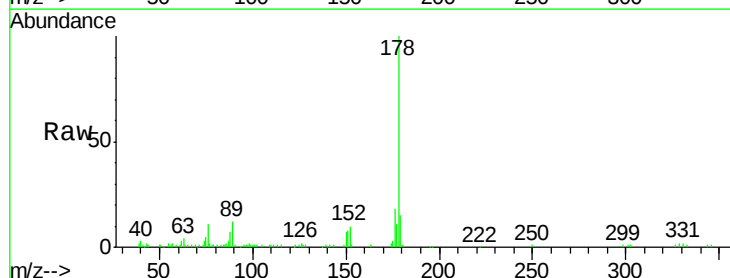


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

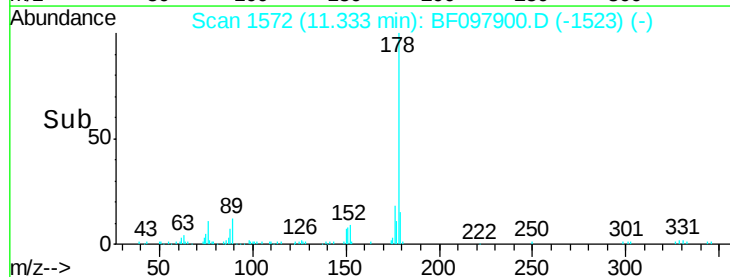
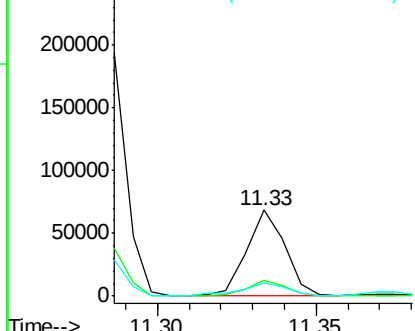


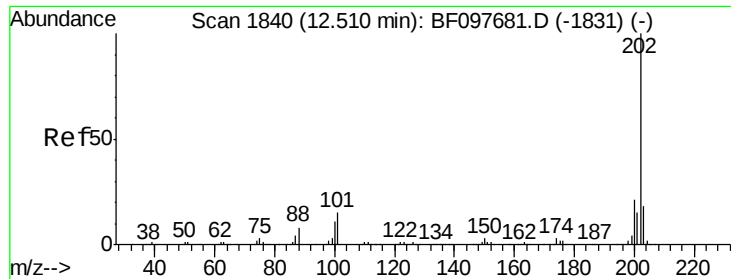
#71
Anthracene
Concen: 3.03 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:178 Resp: 56973
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.3 12.7 19.1



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: 16.16 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

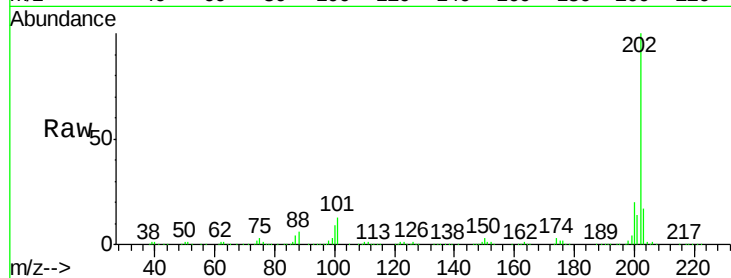
Tot Ion:202 Resp: 312968

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

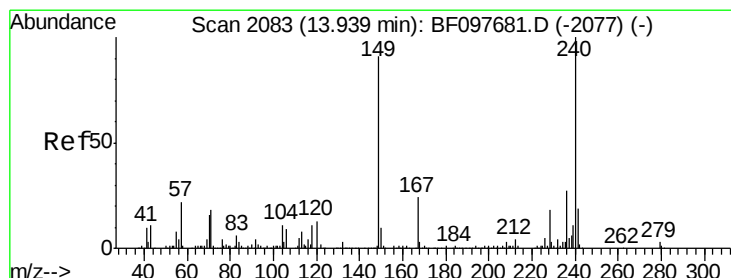
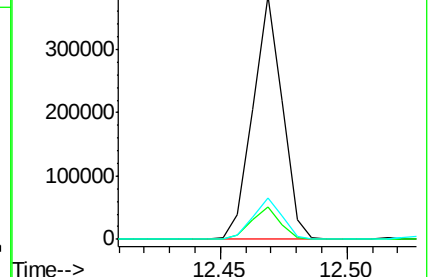
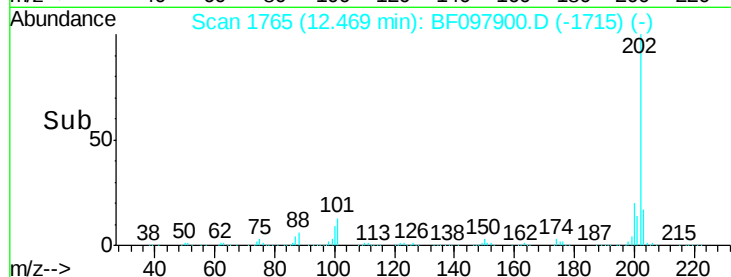
203 17.0 0.0 38.1



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: 20.00 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

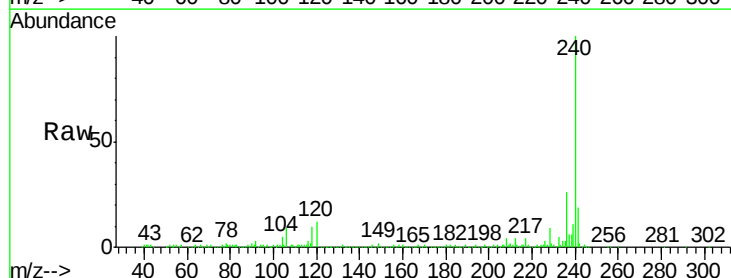
Tgt Ion:240 Resp: 250453

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

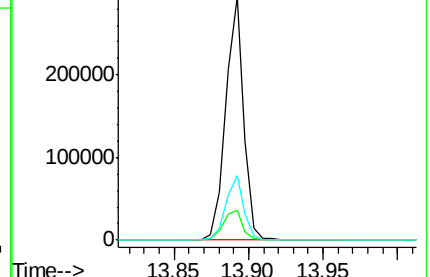
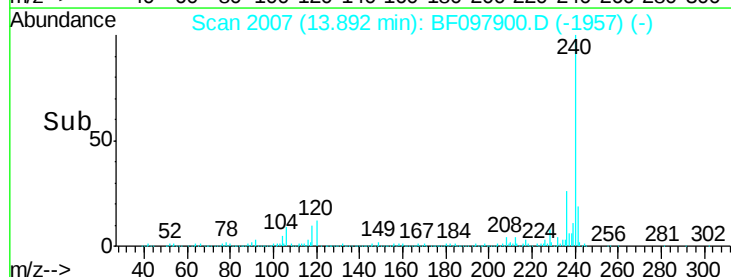
236 26.2 20.5 30.7

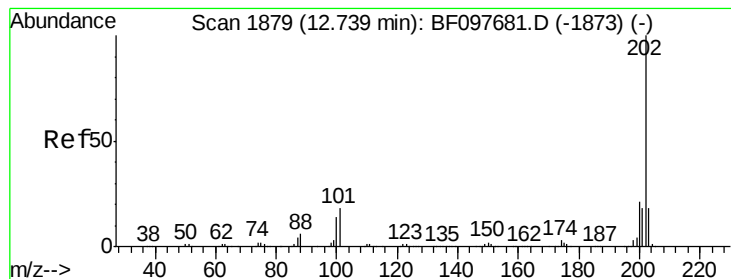


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.03 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

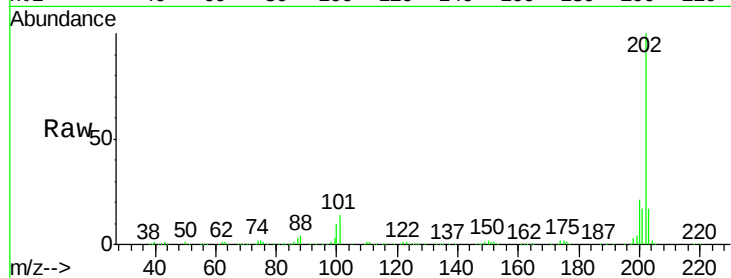
Tot Ion:202 Resp: 266994

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

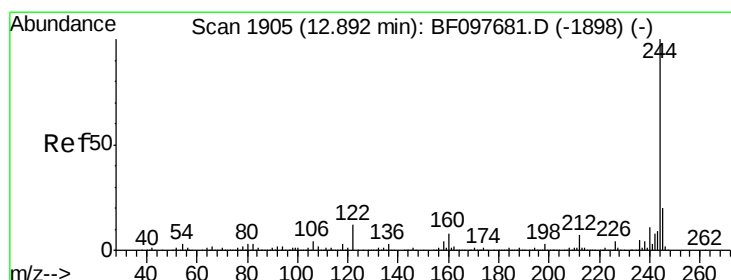
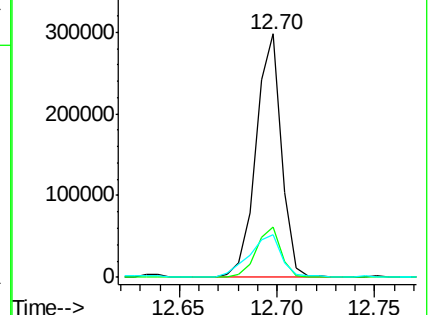
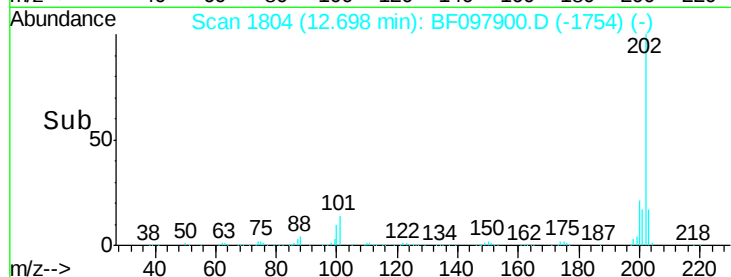
203 17.3 14.4 21.6



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: 60.66 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

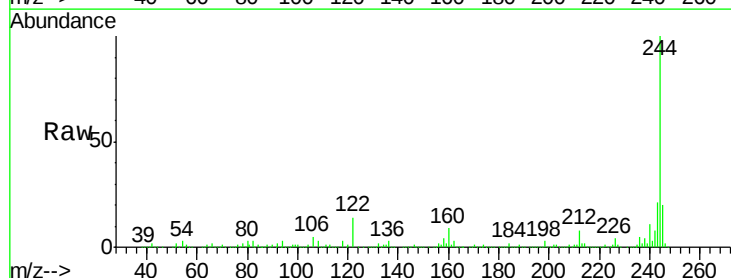
Tgt Ion:244 Resp: 728505

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

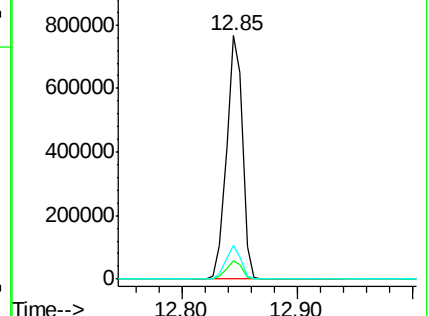
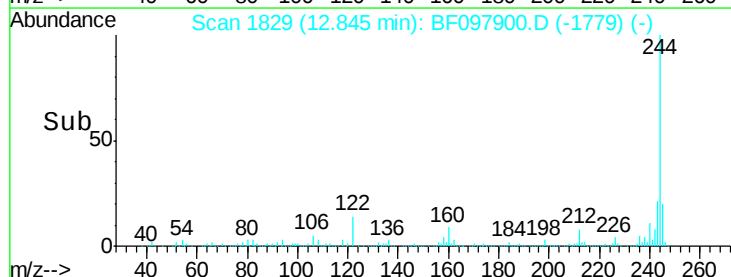
122 14.1 10.3 15.5

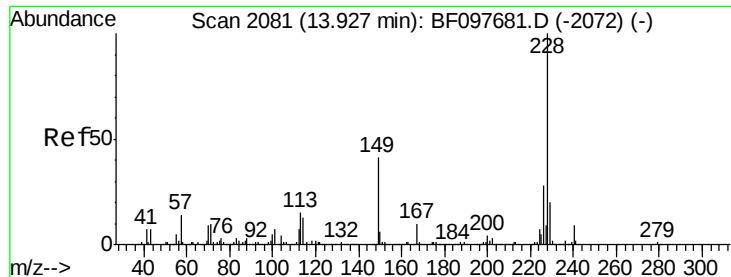


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.54 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

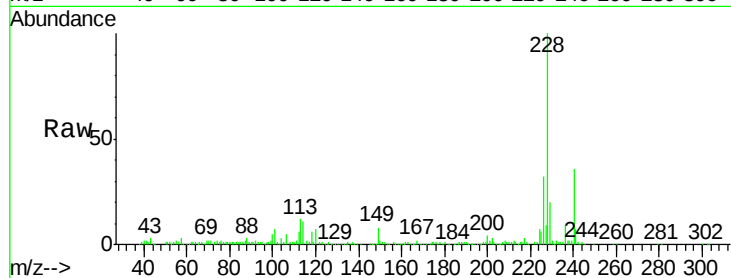
Tot Ion:228 Resp: 158171

Ion Ratio Lower Upper

228 100

226 32.1 22.6 33.8

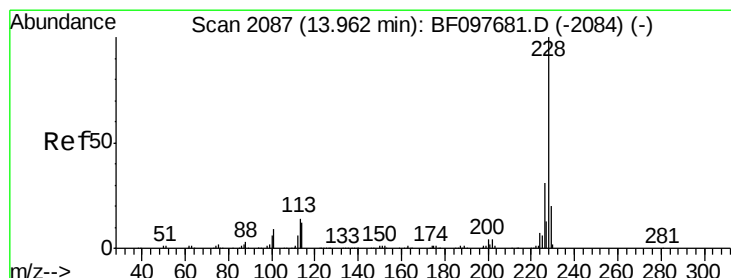
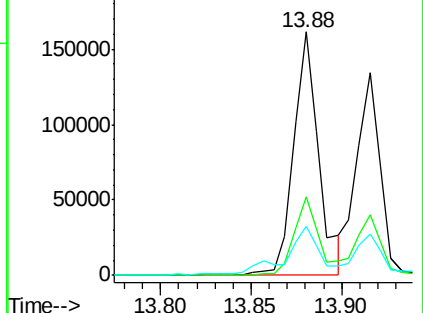
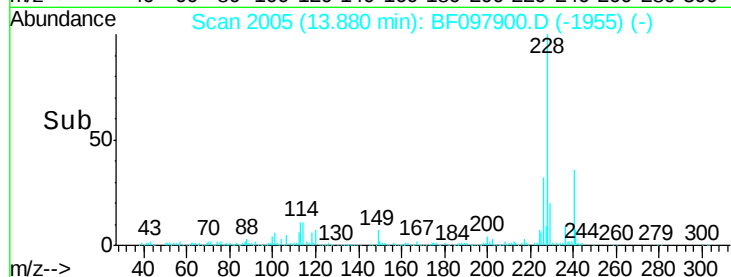
229 20.4 16.3 24.5



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: 8.22 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

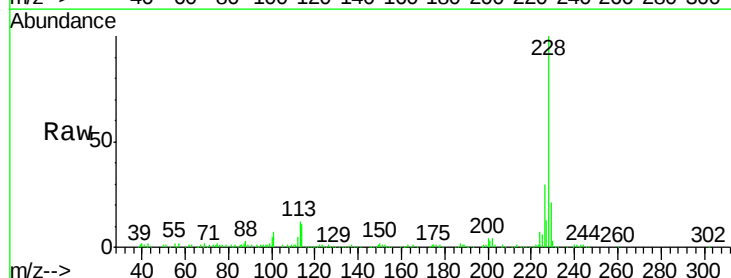
Tgt Ion:228 Resp: 122719

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

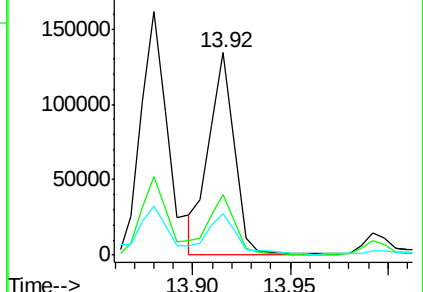
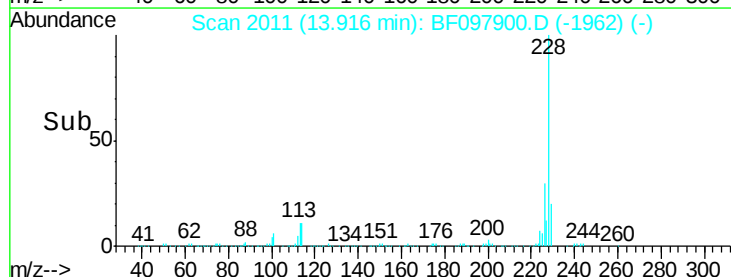
229 20.5 15.8 23.6

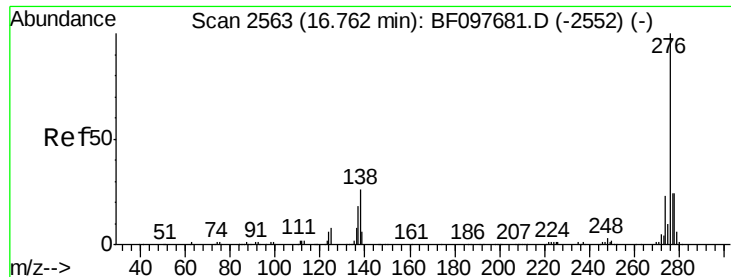


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

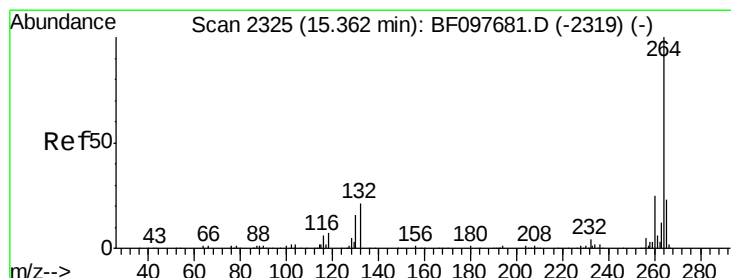
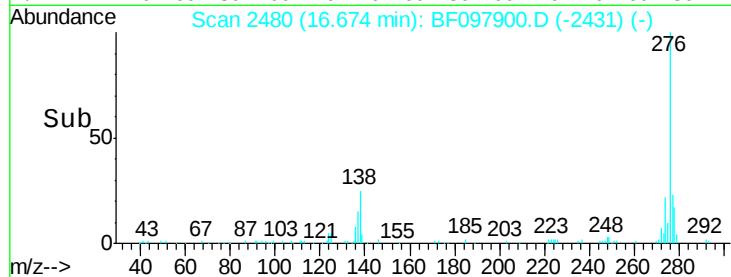
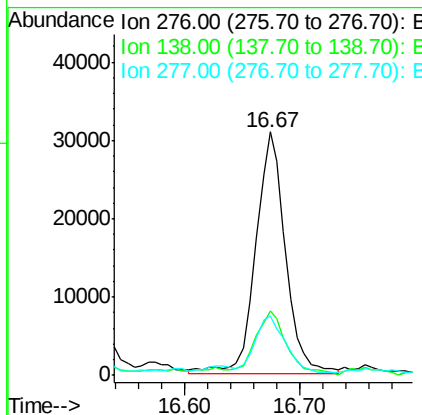
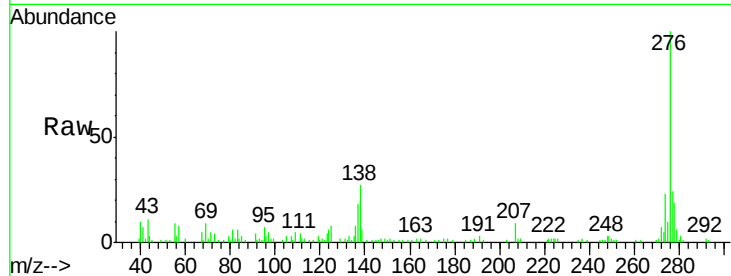




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.06 ng
 RT: 16.67 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

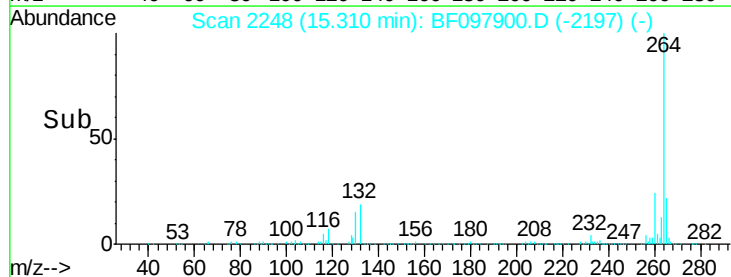
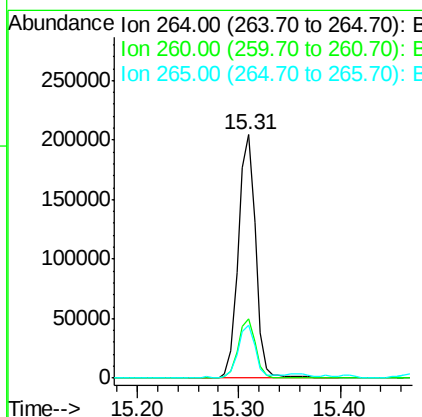
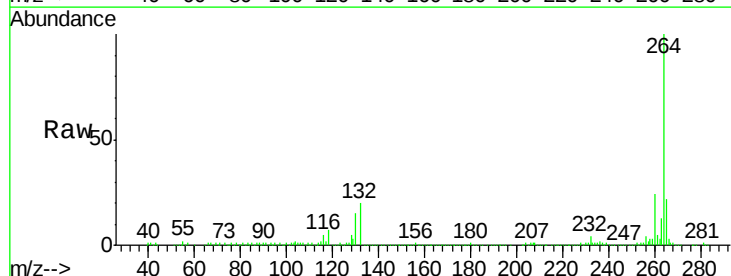
Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

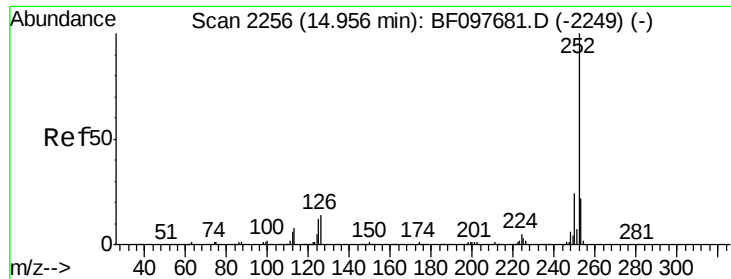
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	26.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 13.58 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

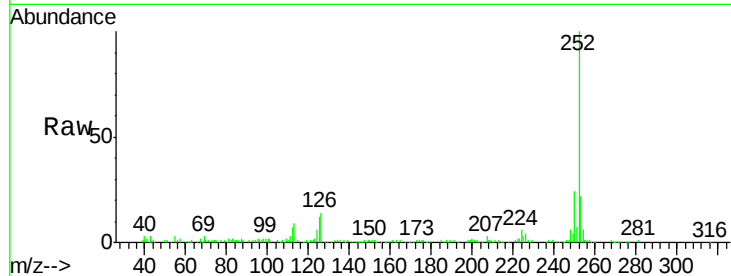
Tot Ion:252 Resp: 208769

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

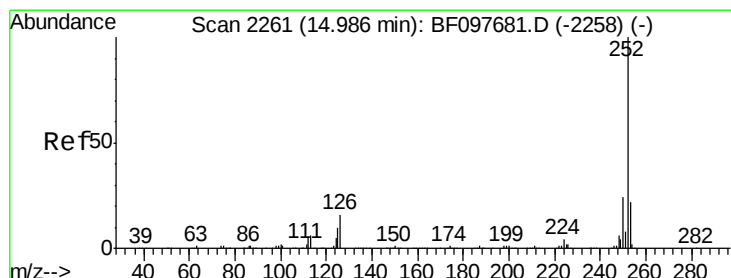
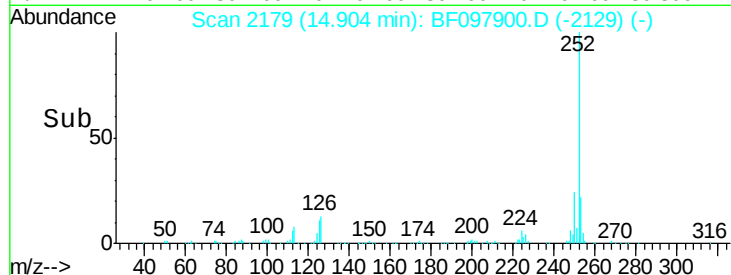
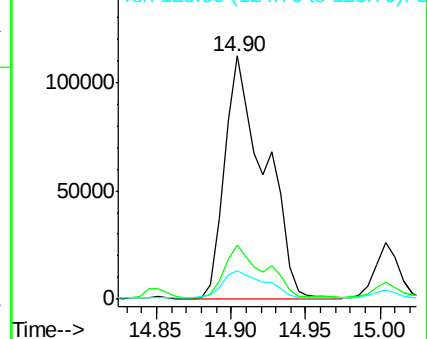
125 11.6 9.8 14.8



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: 5.01 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.25 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

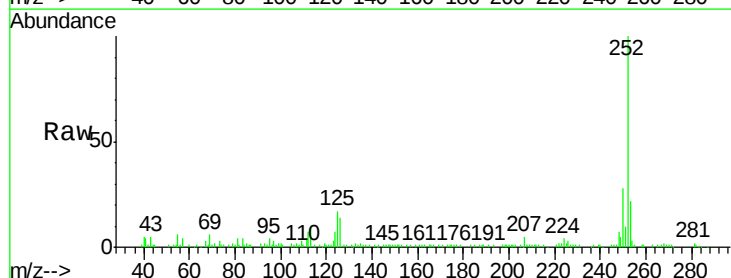
Tgt Ion:252 Resp: 72363

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

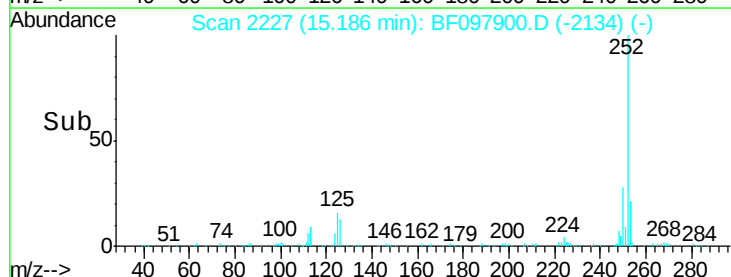
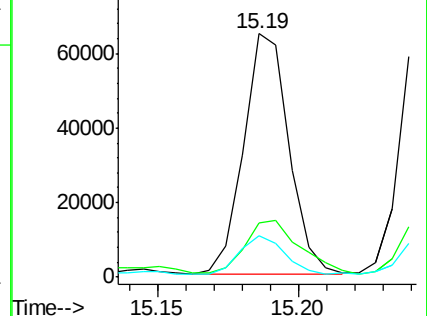
125 17.0 13.1 19.7

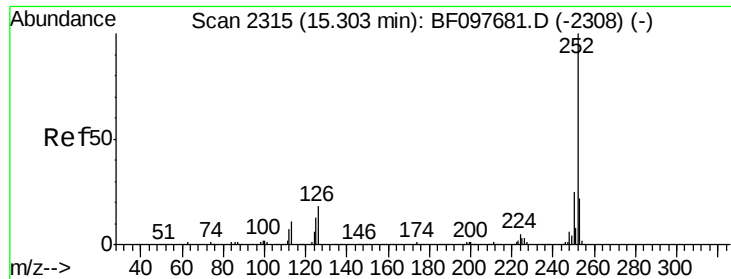


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

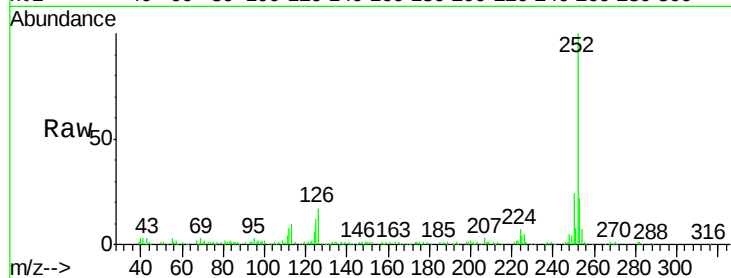




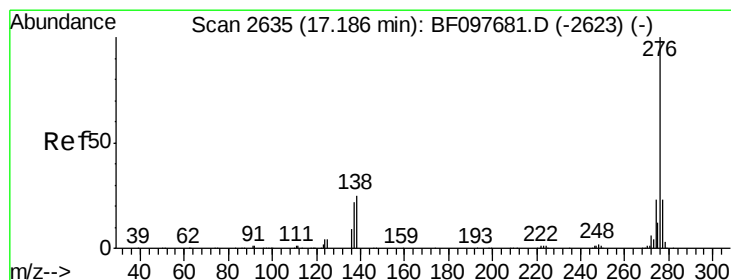
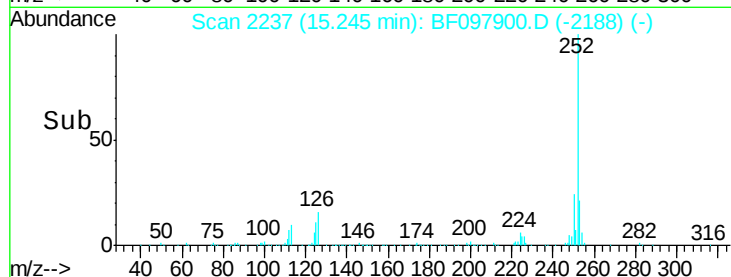
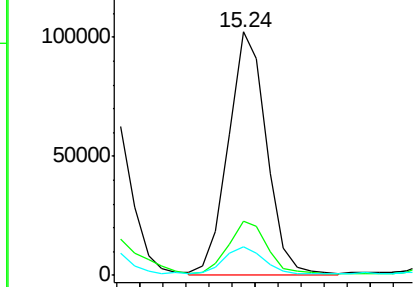
#89
Benzo(a)pyrene
Concen: 8.61 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion:252 Resp: 117096
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.8 11.0 16.4

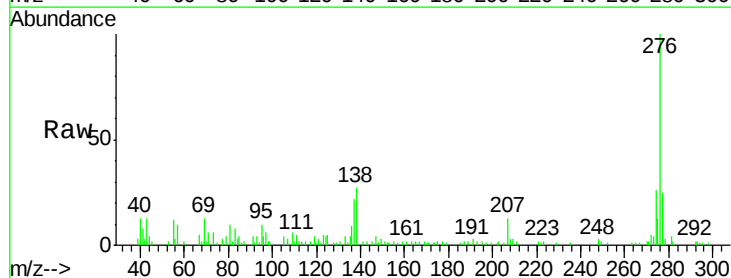


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.48 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:276 Resp: 51765
Ion Ratio Lower Upper
276 100
277 24.9 18.6 28.0
138 26.5 25.4 38.0



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

