

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097413.D
 Acq On : 5 Aug 2017 22:39
 Operator : SJ/JU
 Sample : I4614-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:13:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

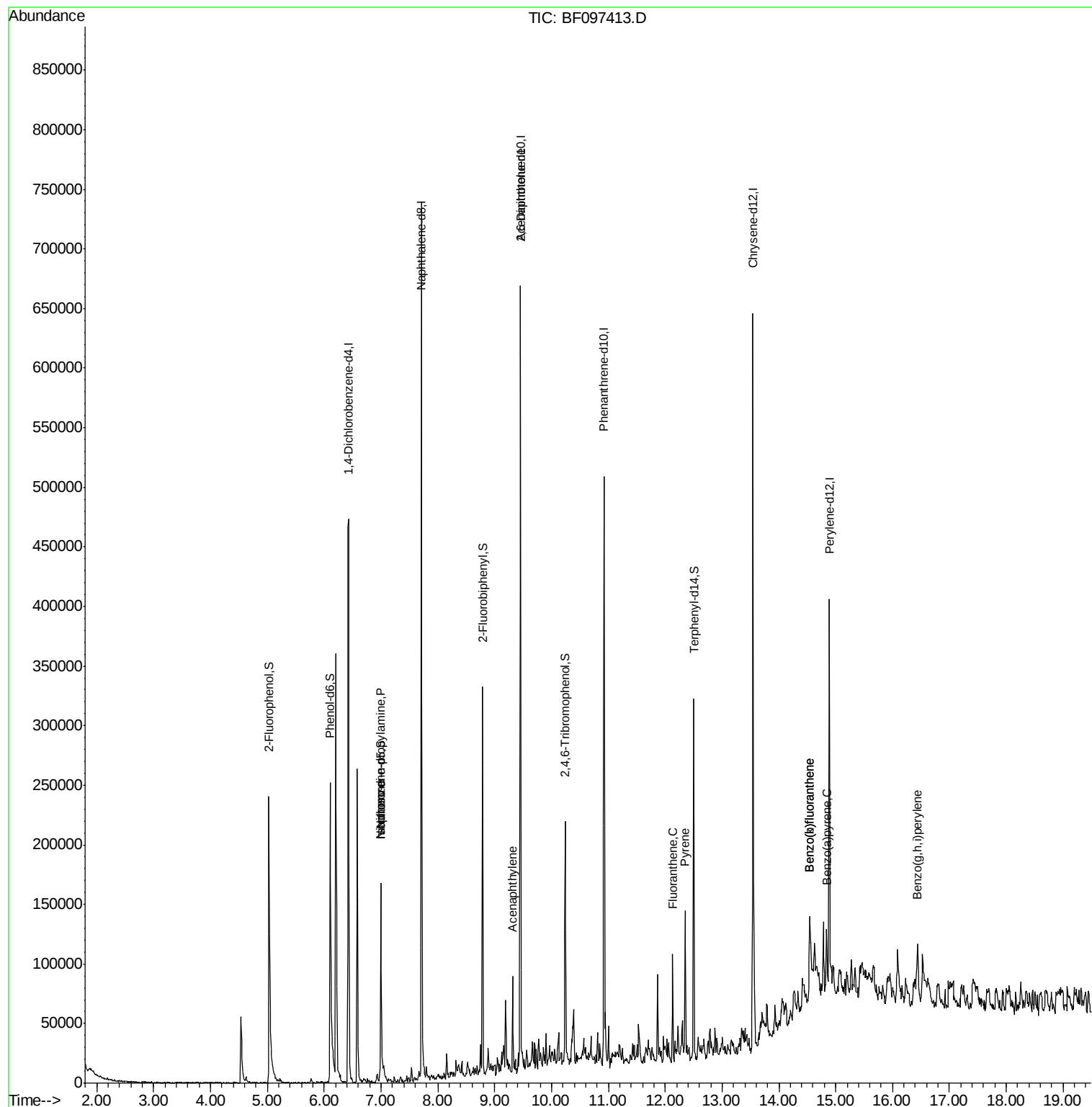
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	79238	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	324171	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	118048	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	177553	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	179804	20.00	ng	-0.08
86) Perylene-d12	14.89	264	114086	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	114415	21.77	ng	-0.07
7) Phenol-d6	6.10	99	138222	23.03	ng	-0.06
23) Nitrobenzene-d5	7.00	82	63791	11.54	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	20277	21.74	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	97668	14.04	ng	-0.08
78) Terphenyl-d14	12.50	244	85551	9.70	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.00	70	8850	2.24	ng	# 86
25) Isophorone	7.00	82	63790	5.89	ng	# 67
48) Acenaphthylene	9.32	152	33739	2.96	ng	97
50) 2,6-Dinitrotoluene	9.45	165	15049	7.92	ng	# 33
74) Fluoranthene	12.13	202	31300	3.36	ng	99
77) Pyrene	12.35	202	47752	3.24	ng	99
87) Benzo(b)fluoranthene	14.54	252	31117	4.54	ng	# 93
88) Benzo(k)fluoranthene	14.54	252	31117	4.76	ng	97
89) Benzo(a)pyrene	14.84	252	18680	2.98	ng	# 92
91) Benzo(g,h,i)perylene	16.44	276	34059	6.31	ng	97

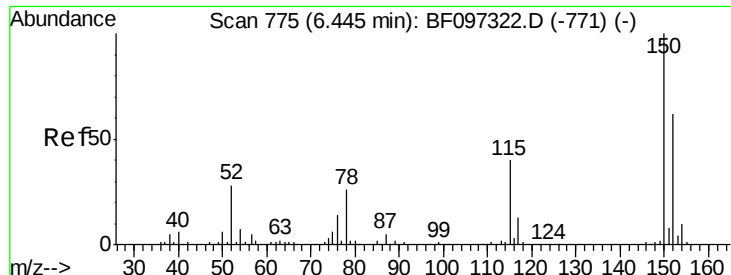
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097413.D
Acq On : 5 Aug 2017 22:39
Operator : SJ/JU
Sample : I4614-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 06 01:13:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration



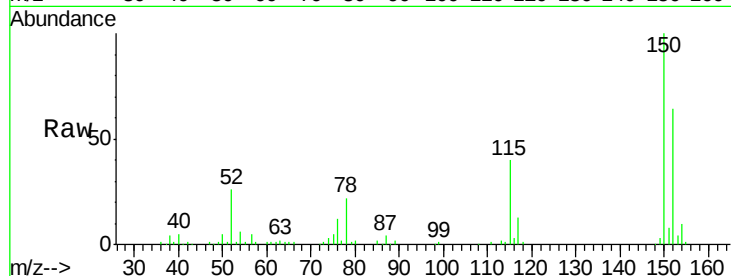


#1

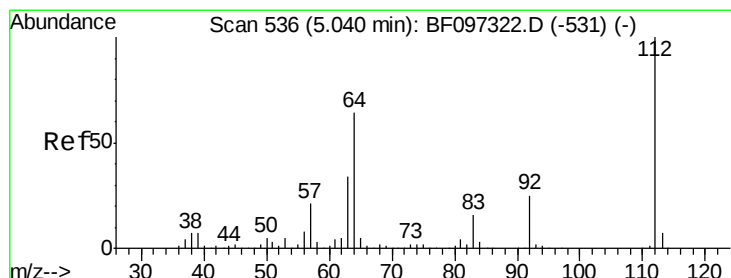
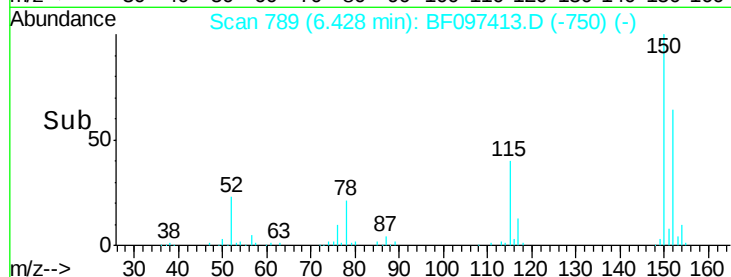
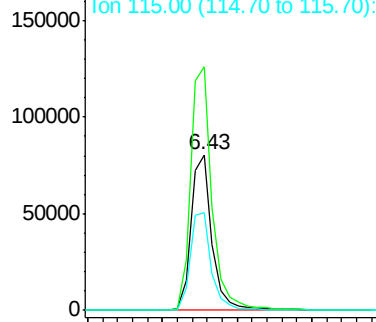
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	62.8	52.2	78.2



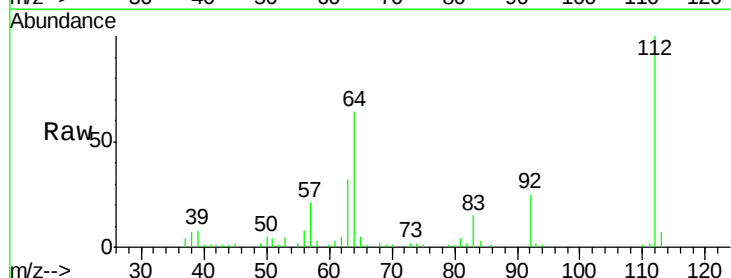
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



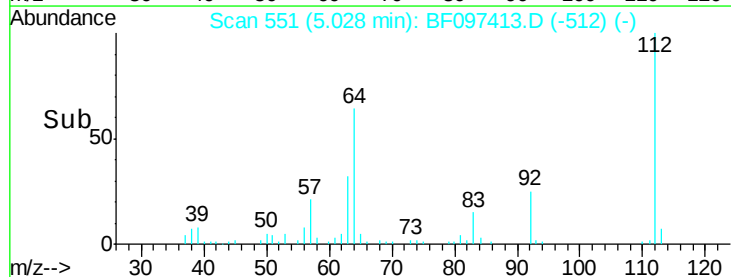
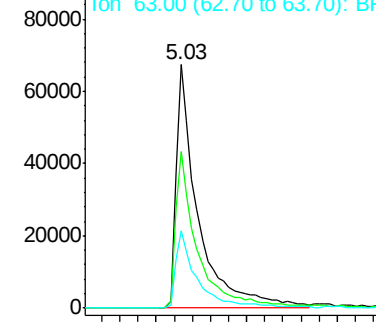
#5

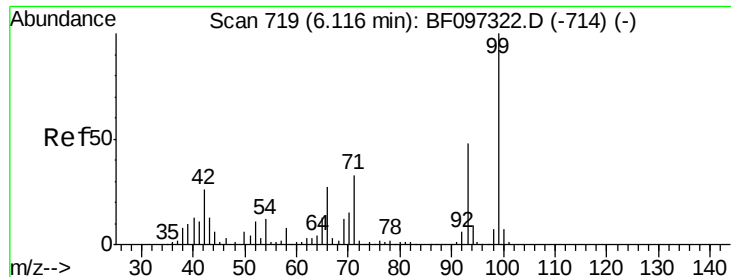
2-Fluorophenol
Concen: 21.77 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.0	69.0
63	31.7	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: 23.03 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

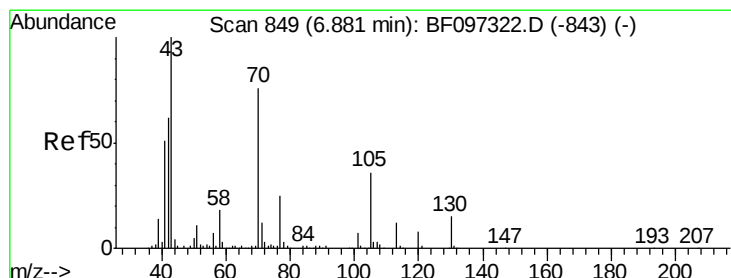
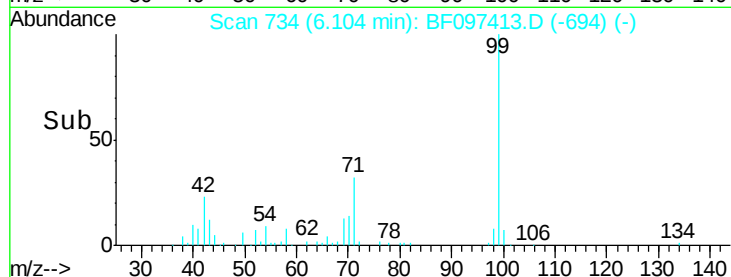
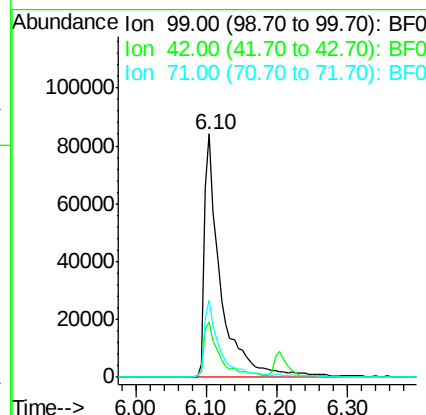
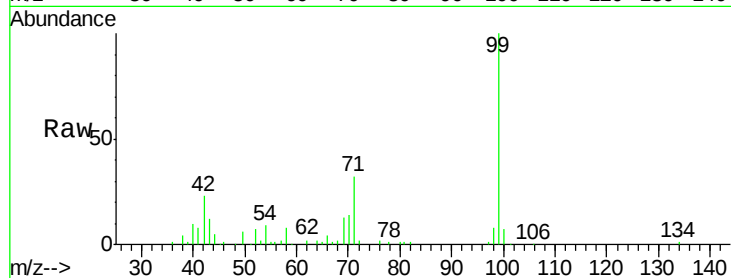
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 138222

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	31.7	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.24 ng

RT: 7.00 min Scan# 886

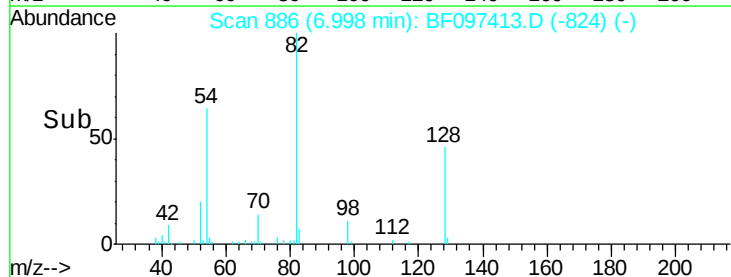
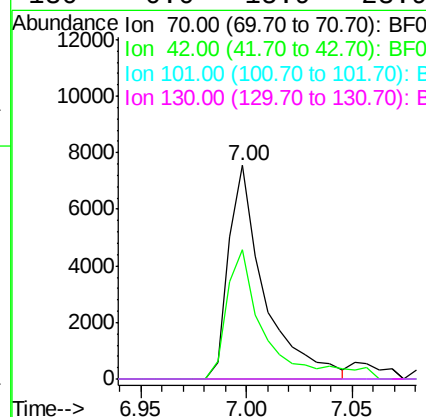
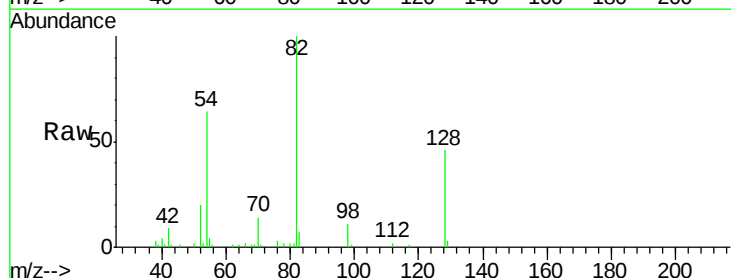
Delta R.T. 0.06 min

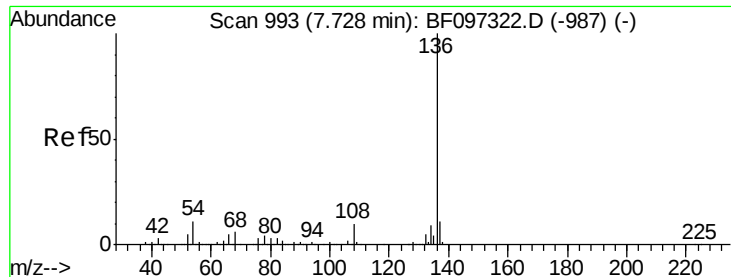
Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Tgt Ion: 70 Resp: 8850

Ion	Ratio	Lower	Upper
70	100		
42	60.6	47.2	70.8
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

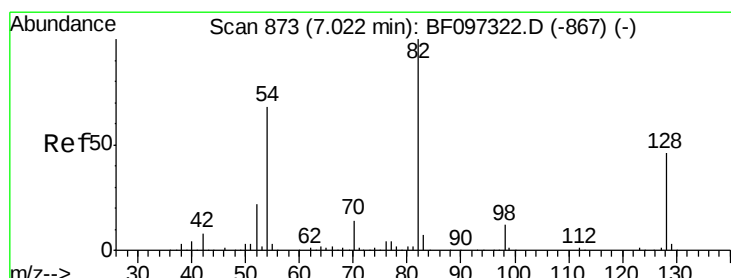
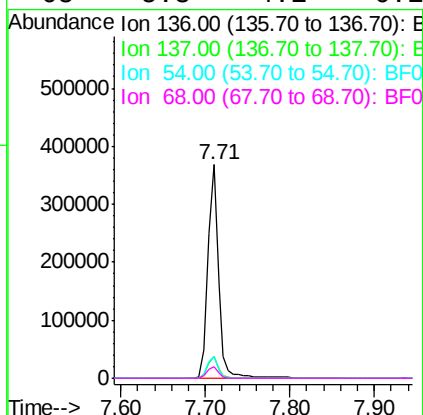
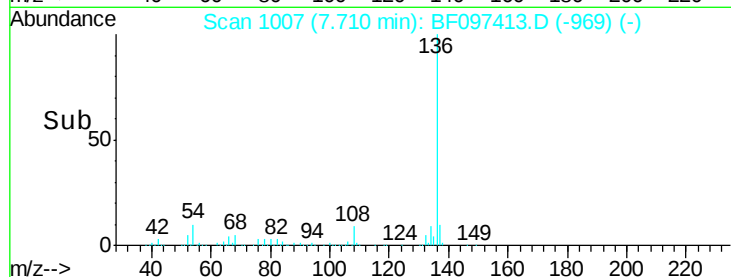
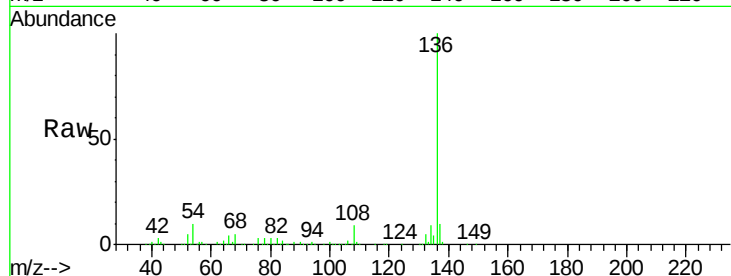




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

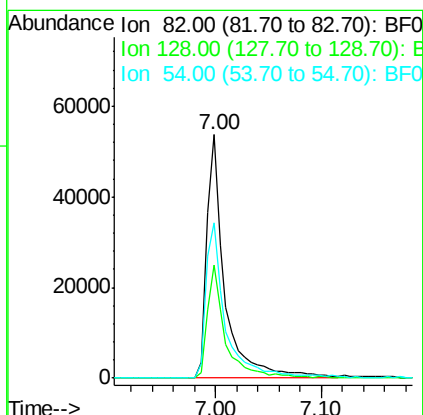
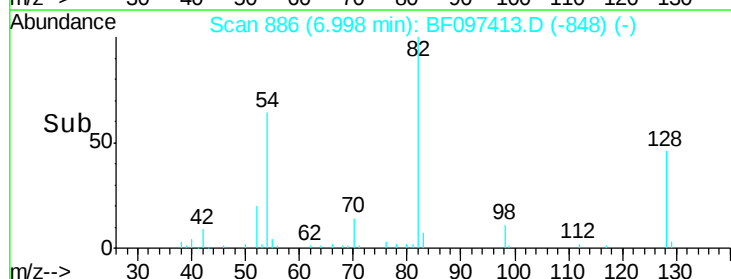
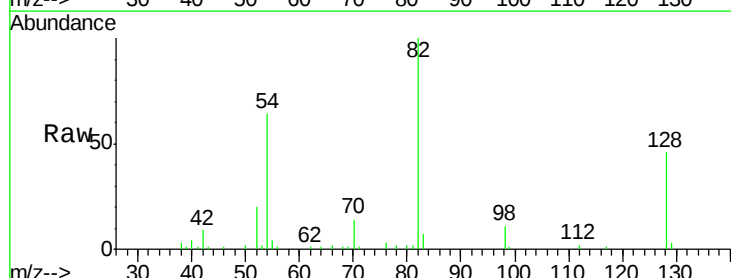
Instrument :
BNA_F
ClientSampleId :

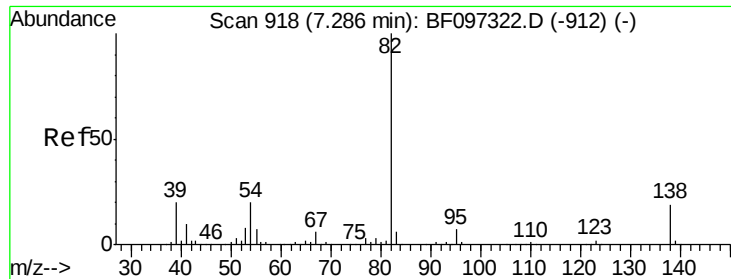
Tot Ion:136	Resp:	324171
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.5 12.7
54	10.4	4.9 7.3#
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 11.54 ng
RT: 7.00 min Scan# 886
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion: 82	Resp:	63791
Ion Ratio	Lower	Upper
82	100	
128	46.4	34.0 51.0
54	63.7	42.2 63.2#





#25

Isophorone

Concen: 5.89 ng

RT: 7.00 min Scan# 886

Delta R.T. -0.34 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

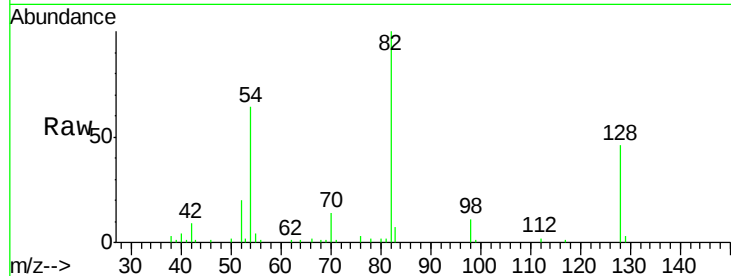
Tot Ion: 82 Resp: 63790

Ion Ratio Lower Upper

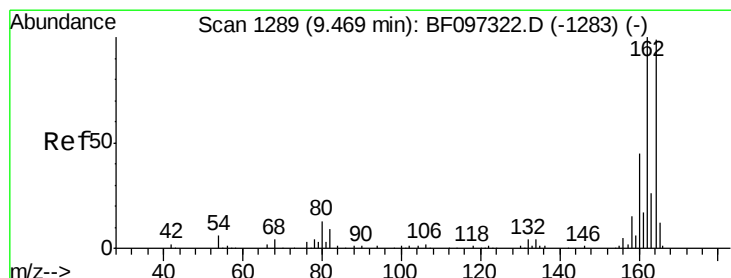
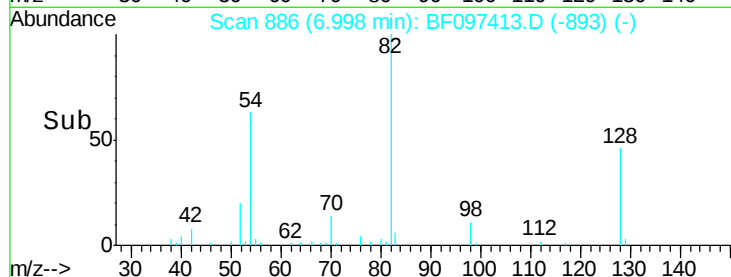
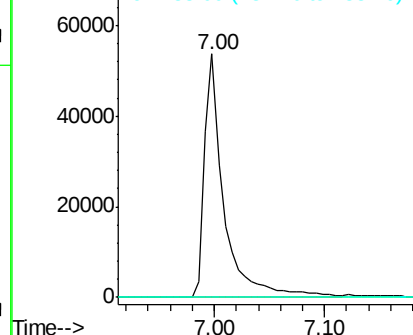
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.45 min Scan# 1303

Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

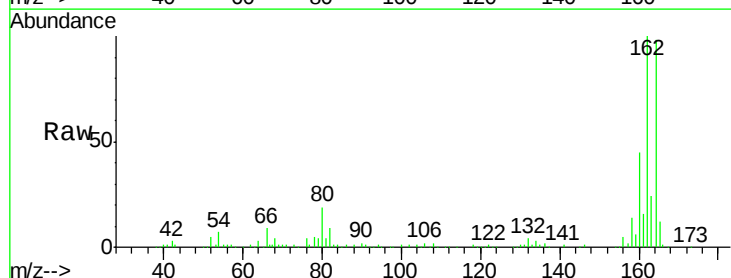
Tgt Ion:164 Resp: 118048

Ion Ratio Lower Upper

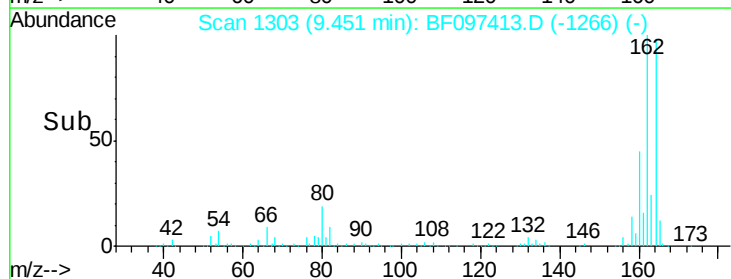
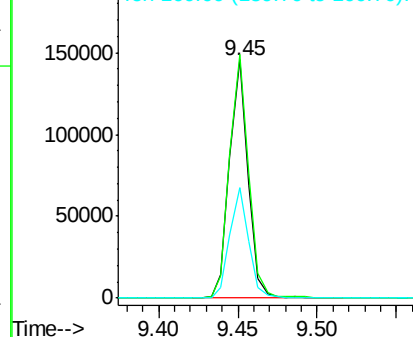
164 100

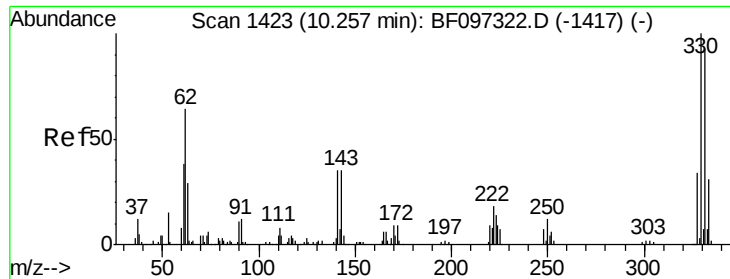
162 102.3 82.6 123.8

160 46.2 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

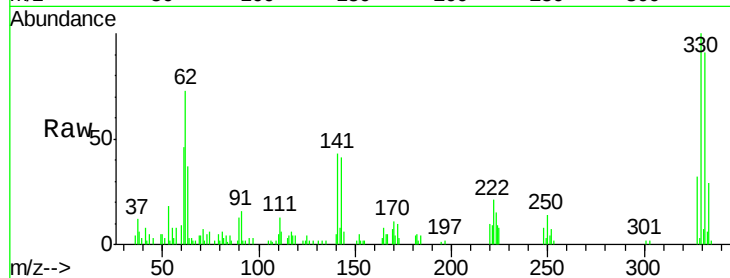




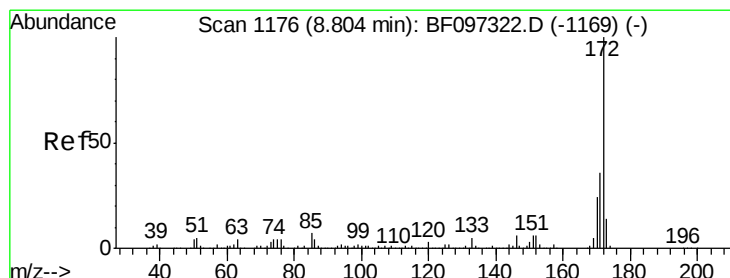
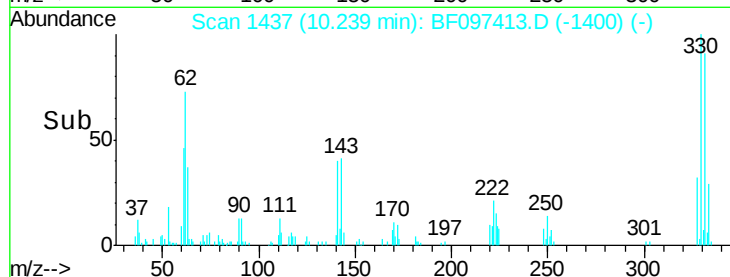
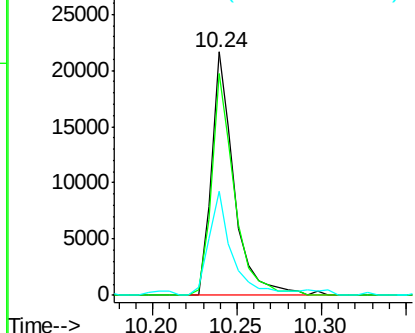
#41
 2,4,6-Tribromophenol
 Concen: 21.74 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 20277
 Ion Ratio Lower Upper
 330 100
 332 91.8 76.6 115.0
 141 44.2 31.4 47.2

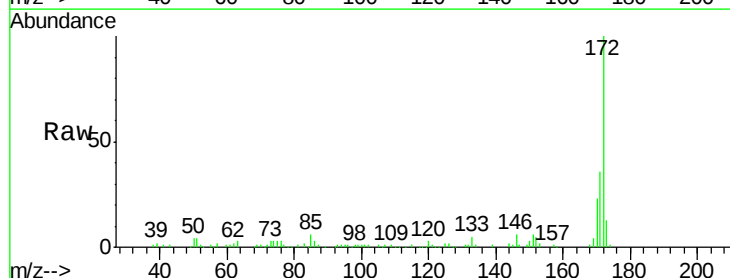


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

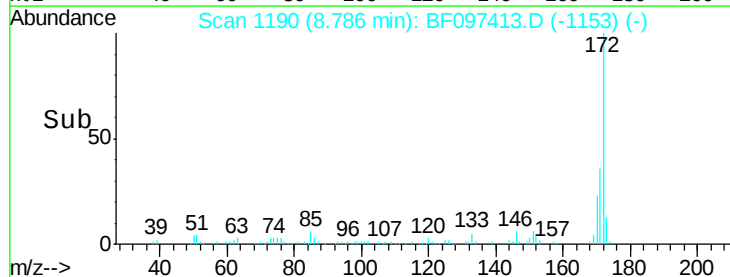
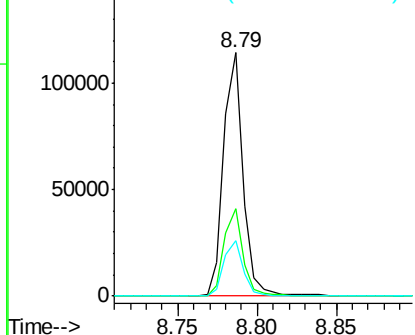


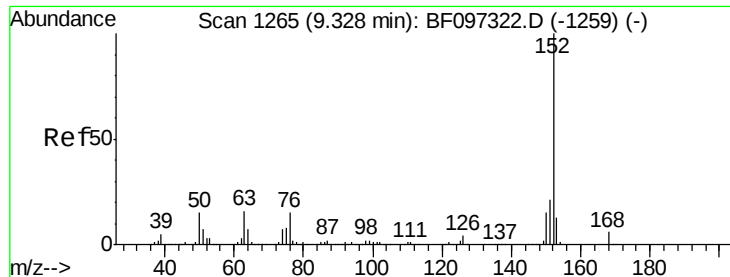
#44
 2-Fluorobiphenyl
 Concen: 14.04 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Tgt Ion:172 Resp: 97668
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 22.9 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





#48

Acenaphthylene

Concen: 2.96 ng

RT: 9.32 min Scan# 1280

Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Instrument :

BNA_F

ClientSampleId :

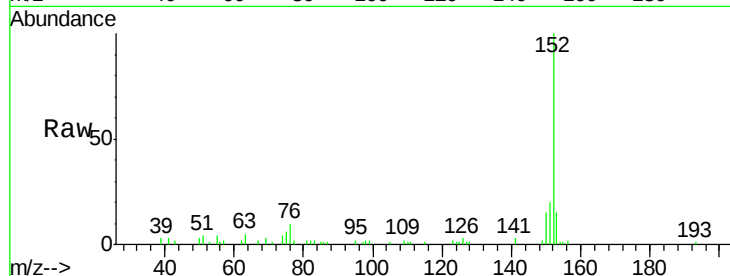
Tot Ion:152 Resp: 33739

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

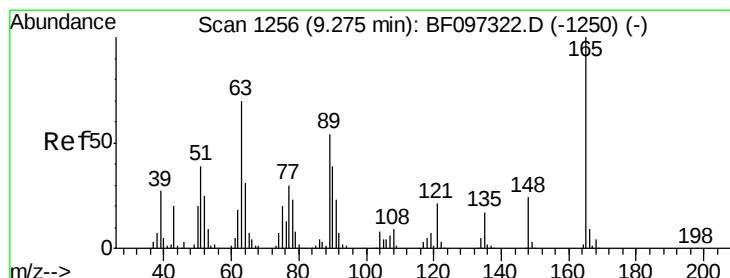
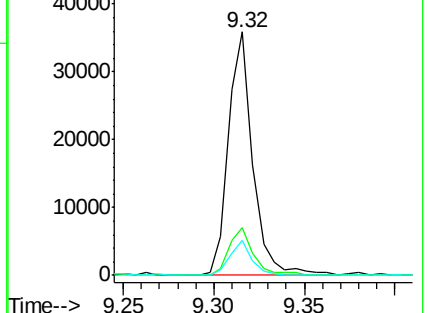
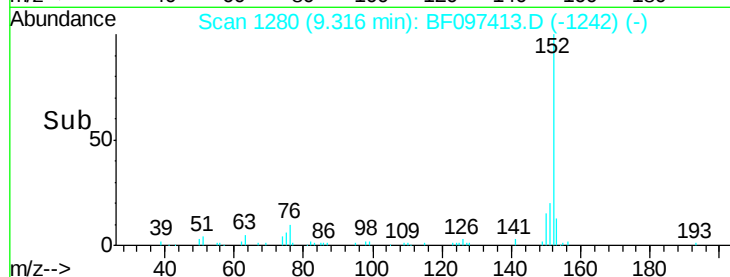
153 14.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.92 ng

RT: 9.45 min Scan# 1303

Delta R.T. 0.12 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

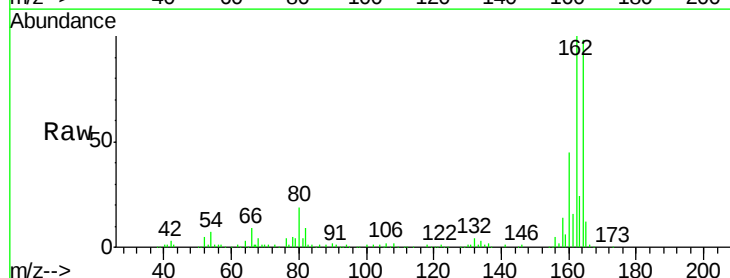
Tgt Ion:165 Resp: 15049

Ion Ratio Lower Upper

165 100

63 2.6 34.3 51.5#

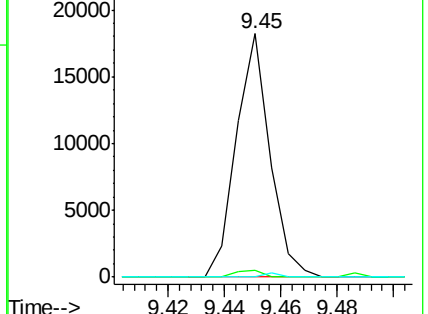
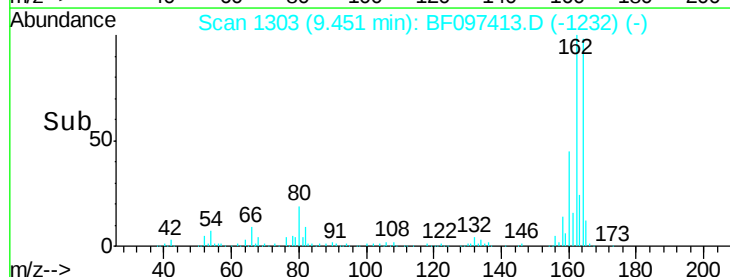
89 0.0 37.1 55.7#

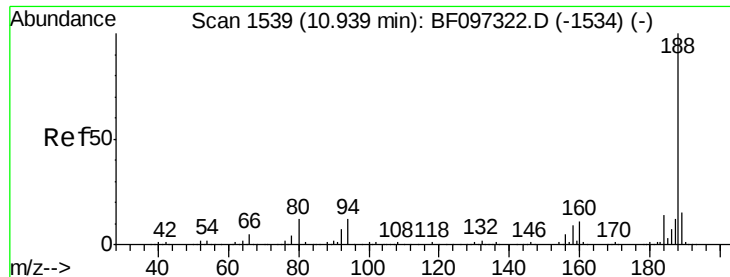


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

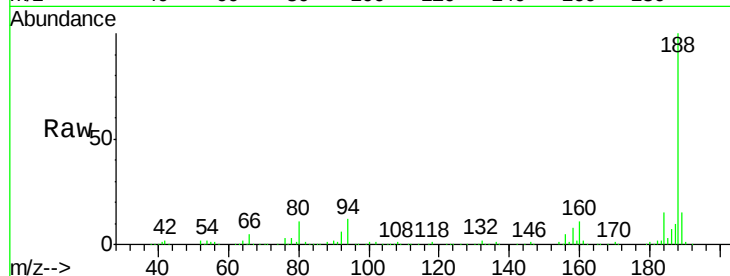




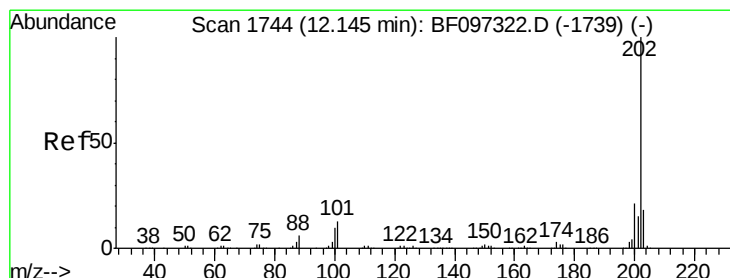
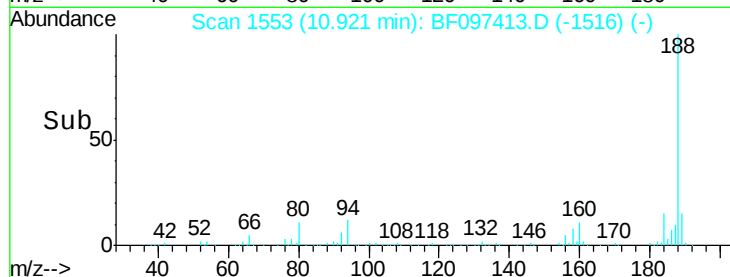
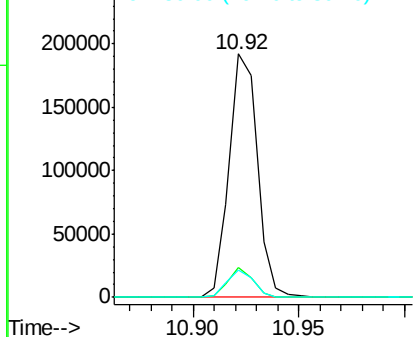
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 177553
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 11.5 10.2 15.2

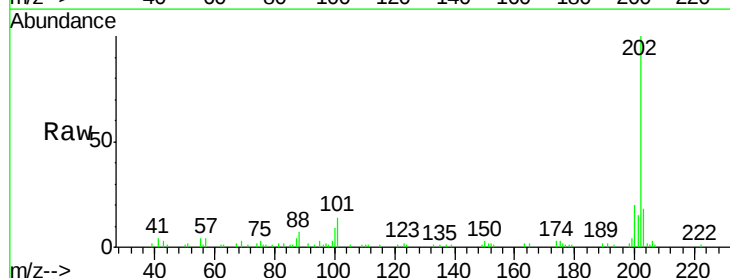


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

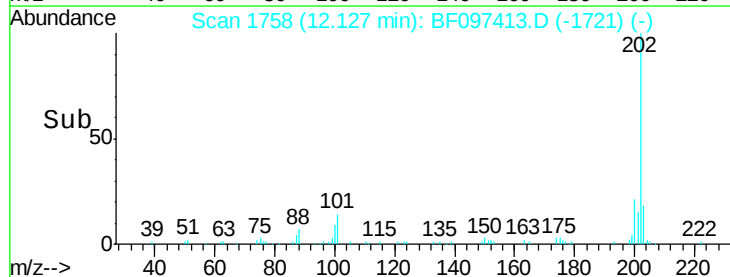
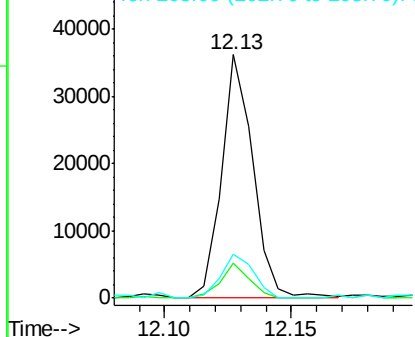


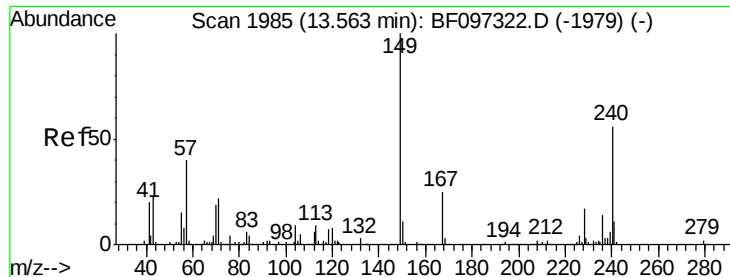
#74
Fluoranthene
Concen: 3.36 ng
RT: 12.13 min Scan# 1758
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion:202 Resp: 31300
Ion Ratio Lower Upper
202 100
101 14.3 0.0 33.2
203 18.1 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: 13.54 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Instrument :

BNA_F

ClientSampled :

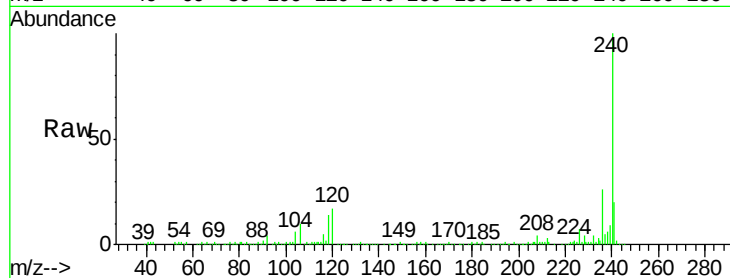
Tot Ion:240 Resp: 179804

Ion Ratio Lower Upper

240 100

120 17.0 5.8 8.8#

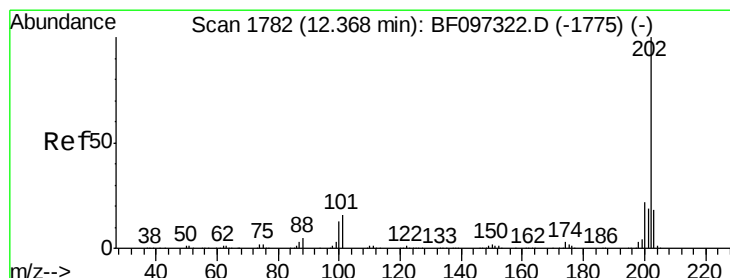
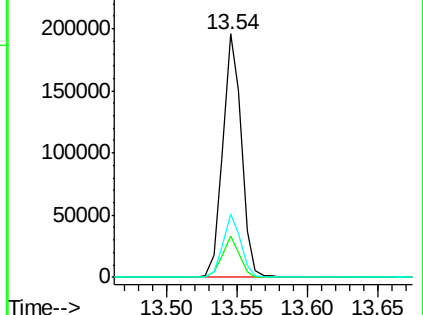
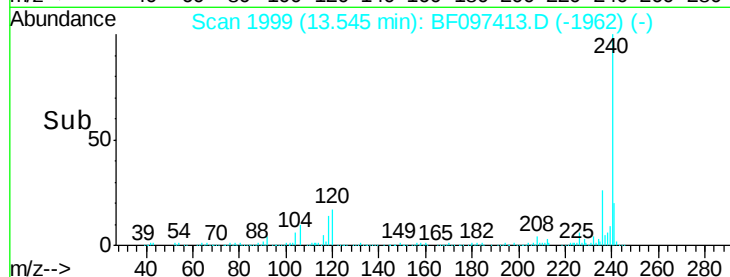
236 26.0 20.5 30.7



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

Pyrene

Concen: 3.24 ng

RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

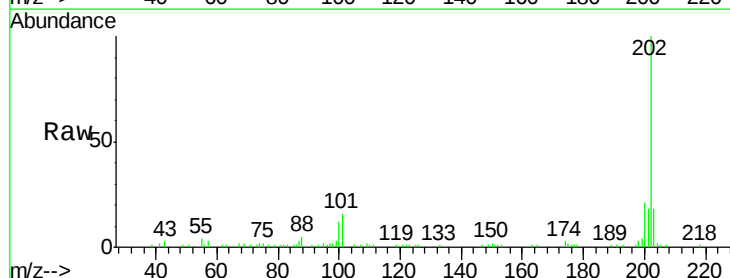
Tgt Ion:202 Resp: 47752

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

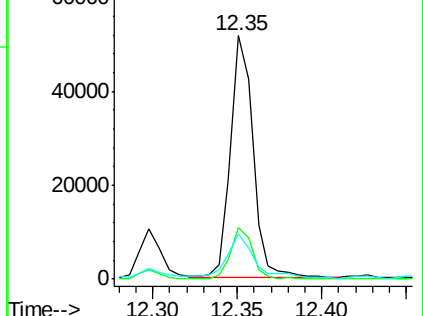
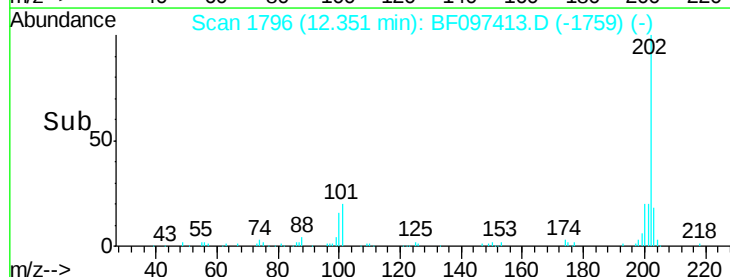
203 18.4 14.4 21.6

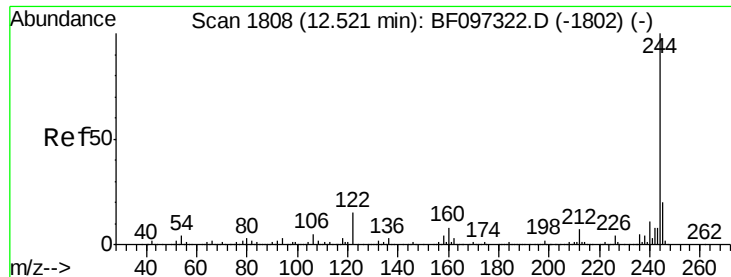


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

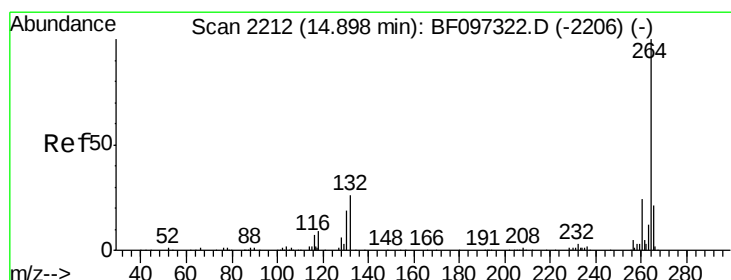
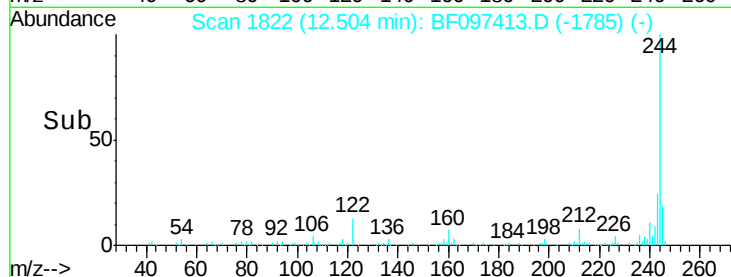
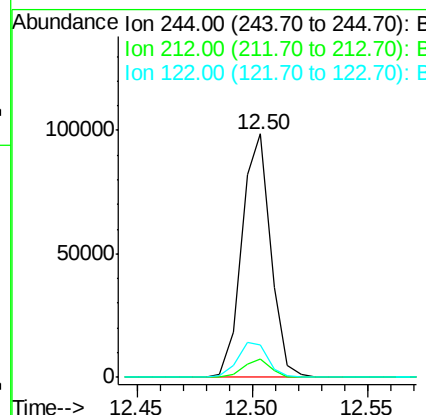
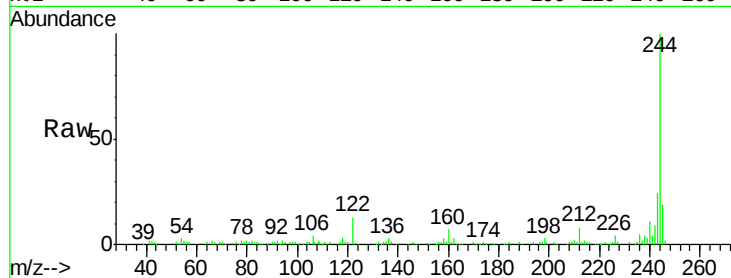




#78
 Terphenyl-d14
 Concen: 9.70 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

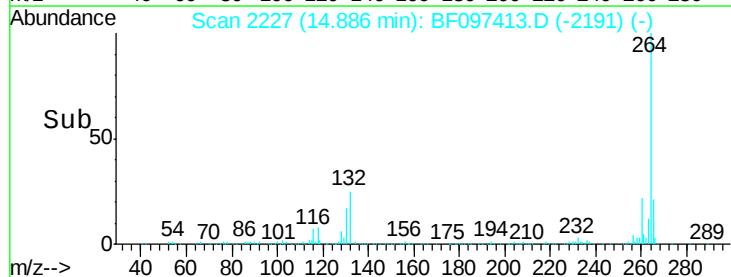
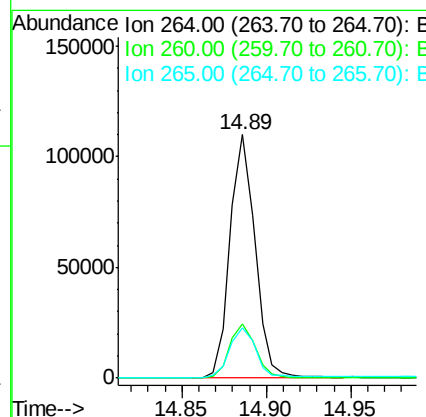
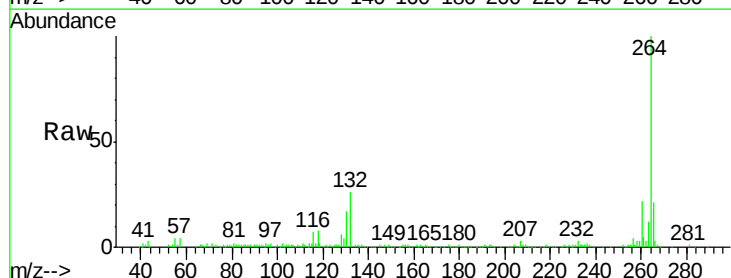
Instrument :
 BNA_F
 ClientSampled :

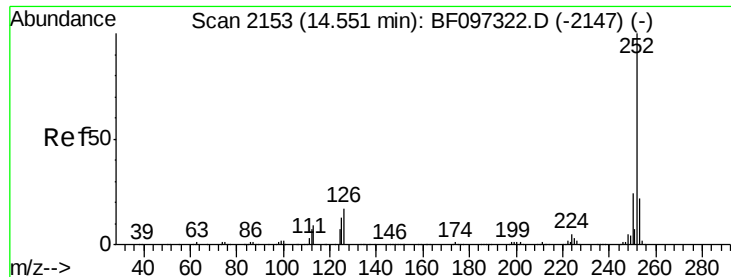
Tot Ion:244 Resp: 85551
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.1 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Tgt Ion:264 Resp: 114086
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.5 29.3
 265 20.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.54 ng

RT: 14.54 min Scan# 2168

Delta R.T. -0.08 min

Lab File: BF097413.D

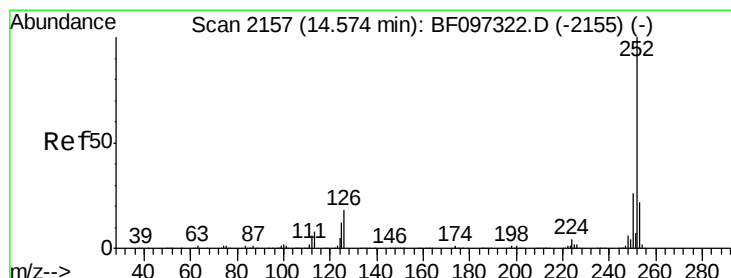
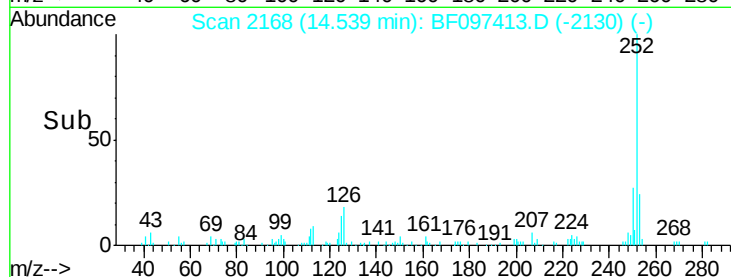
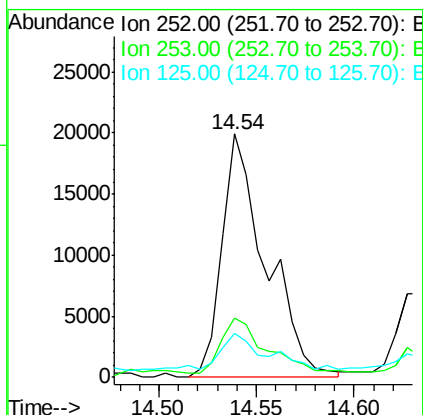
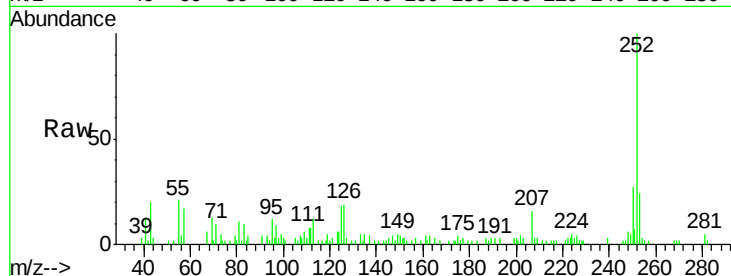
Acq: 5 Aug 2017 22:39

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	31117
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.1 27.1
125	17.9	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 4.76 ng

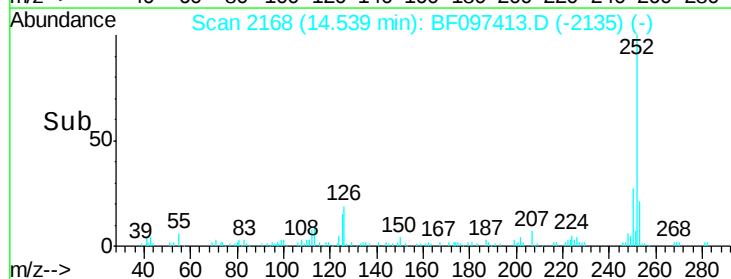
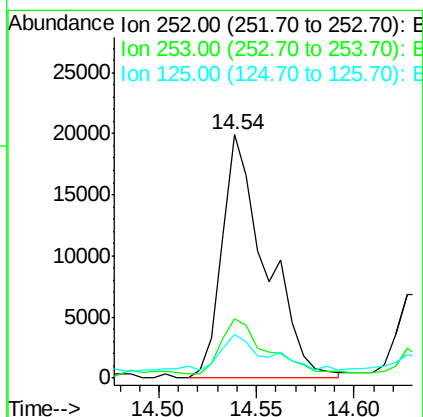
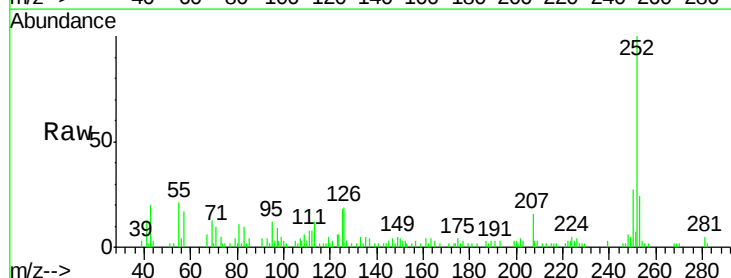
RT: 14.54 min Scan# 2168

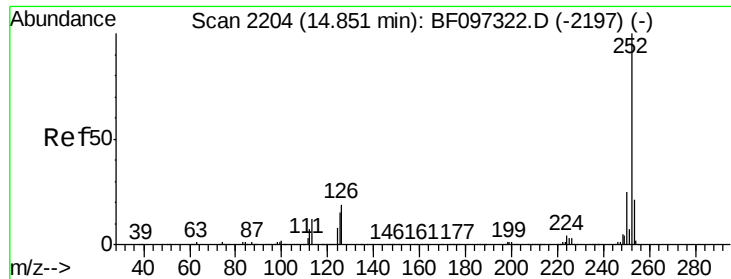
Delta R.T. -0.11 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Tgt Ion:252	Resp:	31117
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	17.9	13.1 19.7

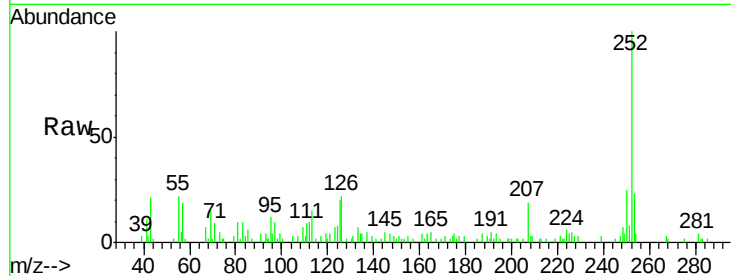




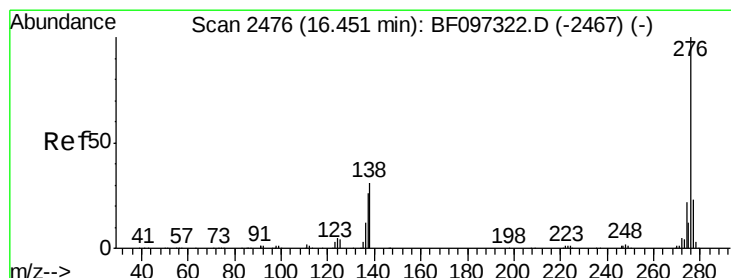
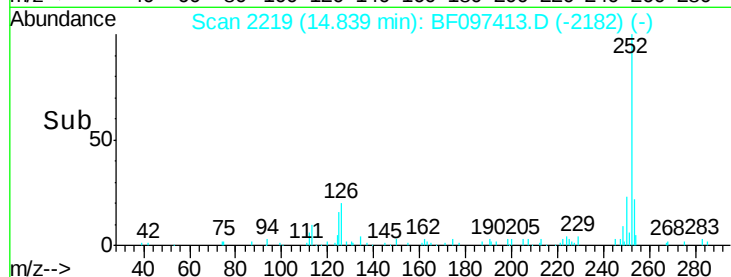
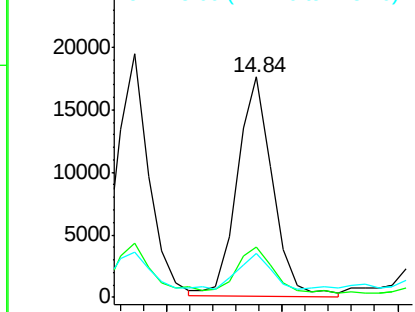
#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 18680
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 20.1 11.0 16.4#

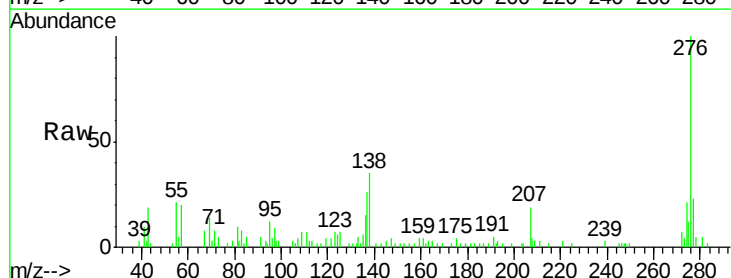


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.31 ng
RT: 16.44 min Scan# 2491
Delta R.T. -0.13 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion:276 Resp: 34059
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 34.8 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

