

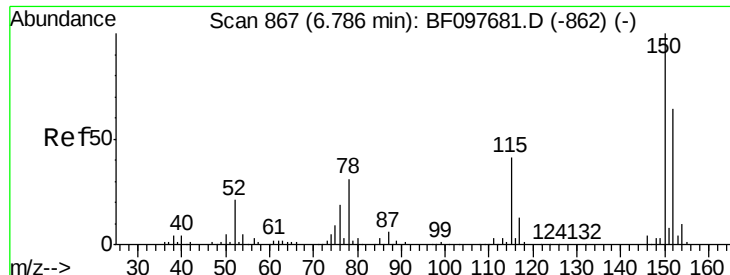
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082117\
 Data File : BF097941.D
 Acq On : 22 Aug 2017 8:29
 Operator : SJ/JU
 Sample : I4872-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Quant Time: Aug 22 12:06:36 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	111402	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	391137	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	143836	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	254932	20.00	ng	0.00
75) Chrysene-d12	13.90	240	223434	20.00	ng	0.00
86) Perylene-d12	15.32	264	148582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	611849	83.54	ng	0.00
7) Phenol-d6	6.38	99	795351	79.93	ng	0.00
23) Nitrobenzene-d5	7.31	82	446431	62.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	95963	76.89	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	581011	59.35	ng	0.00
78) Terphenyl-d14	12.85	244	436146	40.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	60001	8.808	ng	# 73
25) Isophorone	7.31	82	438596	29.296	ng	# 67
49) Dimethylphthalate	9.50	163	77569	7.378	ng	97
56) 2,4-Dinitrotoluene	9.78	165	18625	7.072	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.57	198	121	8.404	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	6794	2.566	ng	# 1
74) Fluoranthene	12.47	202	70964	5.005	ng	97
77) Pyrene	12.70	202	71924	3.936	ng	99
80) Benzo(a)anthracene	13.92	228	31463	2.350	ng	95
82) Chrysene	13.92	228	31463	2.362	ng	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	17842	2.298	ng	# 96
87) Benzo(b)fluoranthene	14.91	252	45838	4.894	ng	# 96
88) Benzo(k)fluoranthene	14.91	252	45838	5.209	ng	98
89) Benzo(a)pyrene	15.26	252	24787	2.990	ng	95
91) Benzo(g,h,i)perylene	17.10	276	14411	2.046	ng	98

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

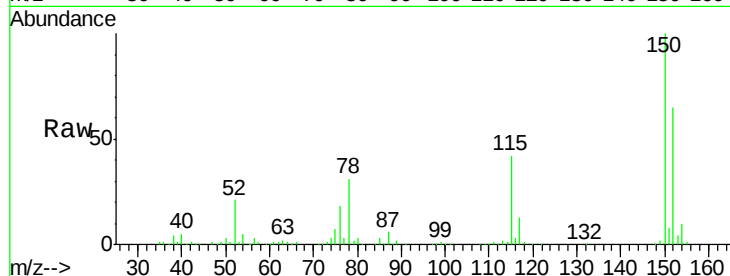


#1

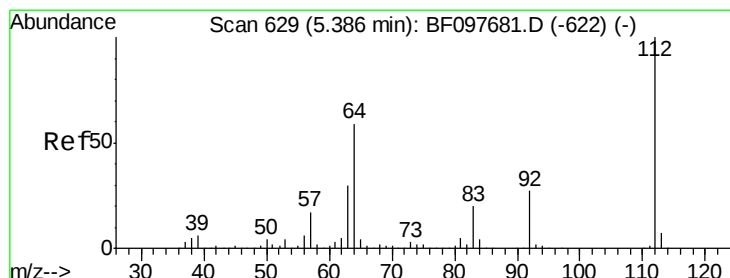
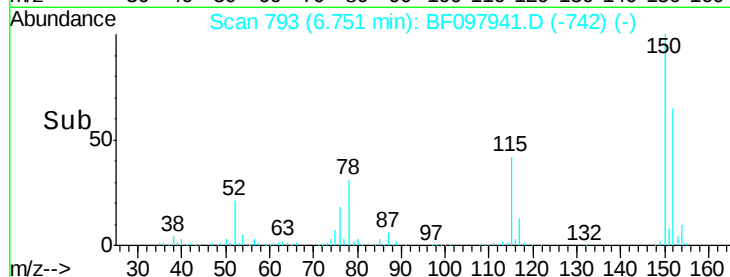
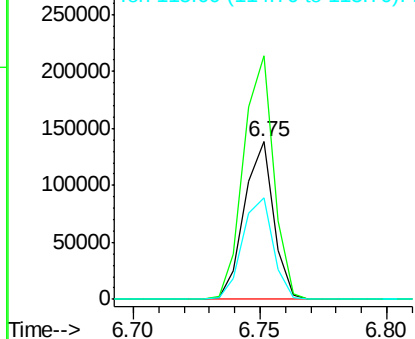
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:152 Resp: 111402
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 64.3 52.2 78.2



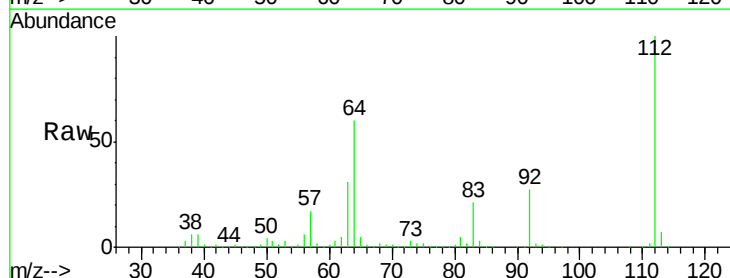
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



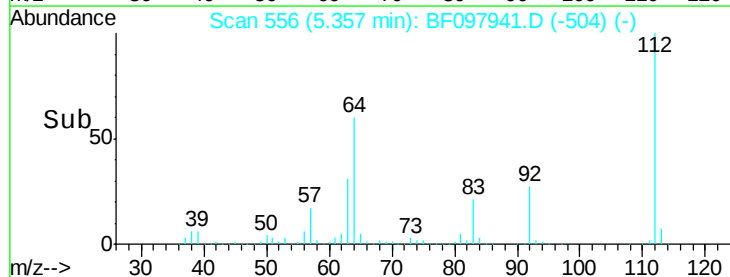
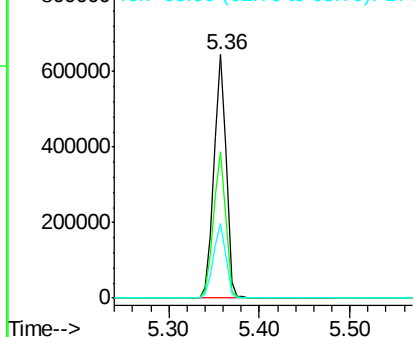
#5

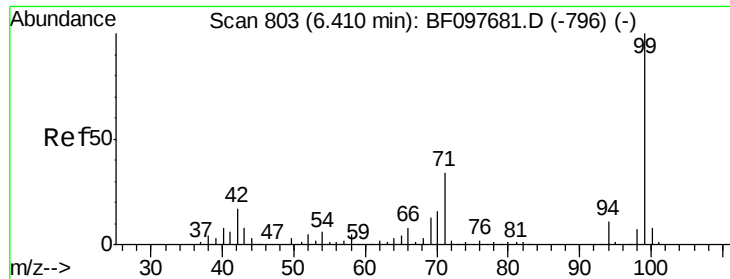
2-Fluorophenol
Concen: 83.541 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Tgt Ion:112 Resp: 611849
Ion Ratio Lower Upper
112 100
64 60.2 46.0 69.0
63 30.6 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: 79.926 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

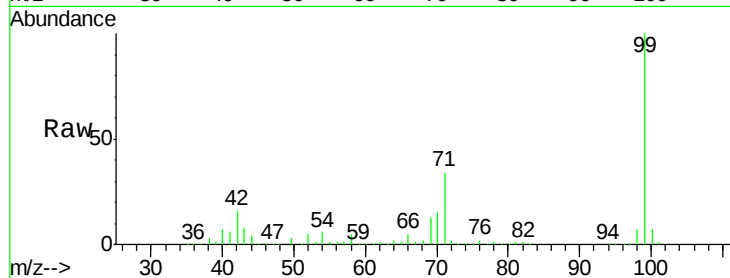
Tgt Ion: 99 Resp: 795351

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

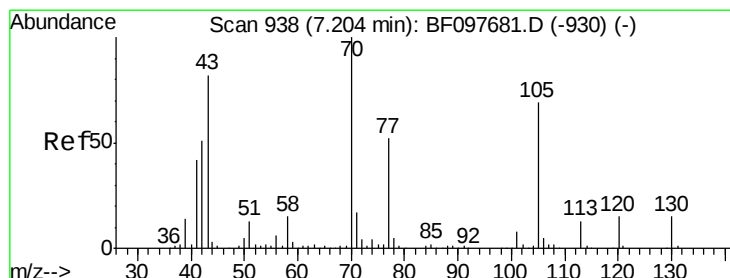
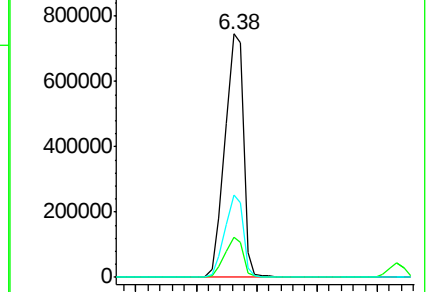
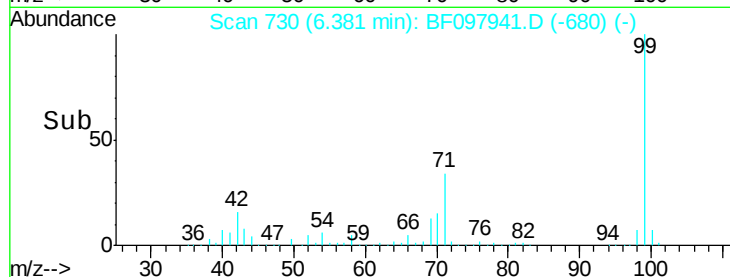
71 33.8 24.5 36.7



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: 8.808 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Tgt Ion: 70 Resp: 60001

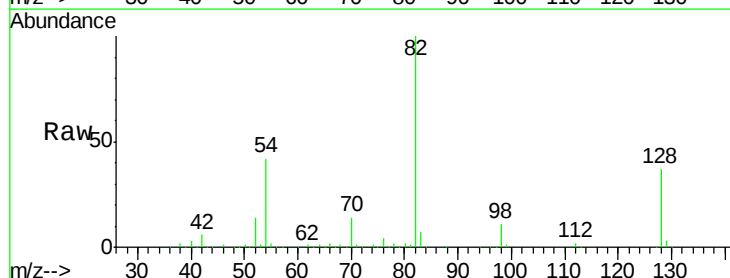
Ion Ratio Lower Upper

70 100

42 41.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

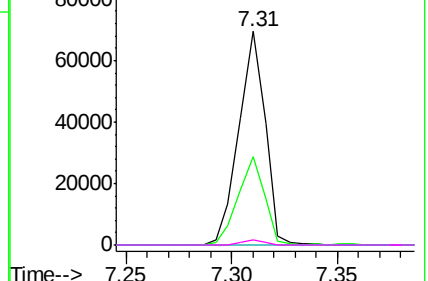
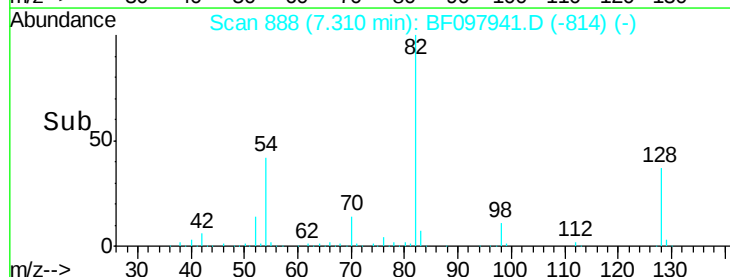


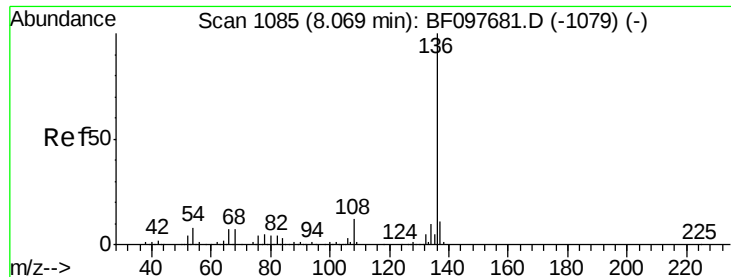
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

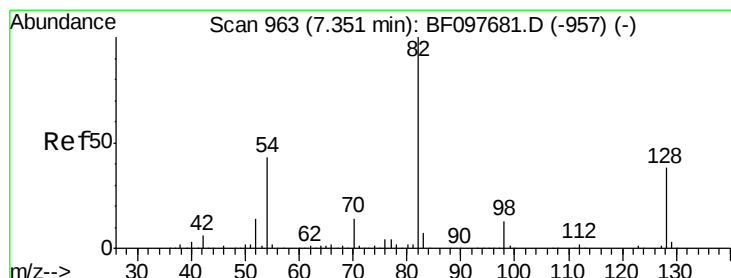
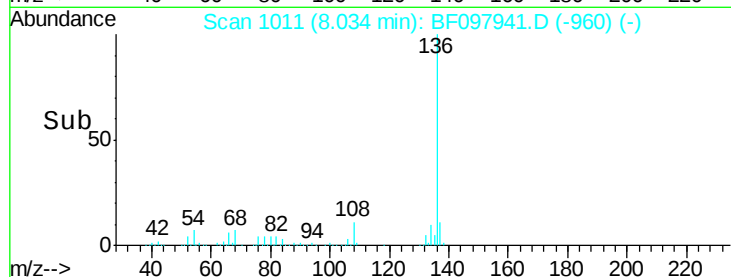
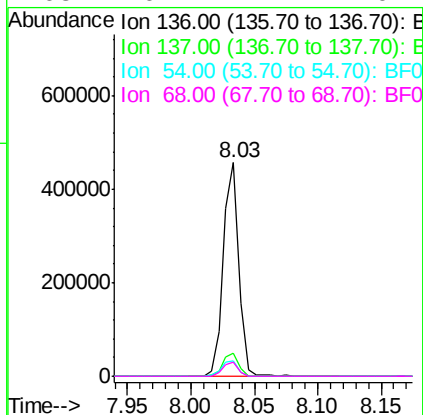
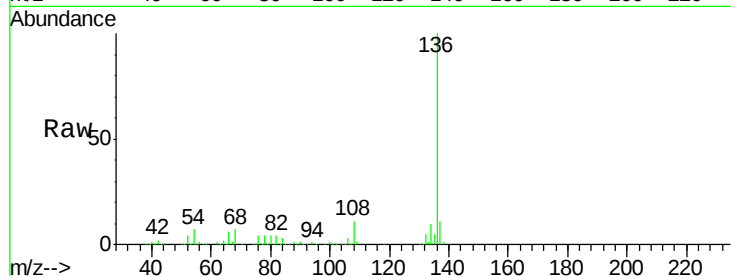




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

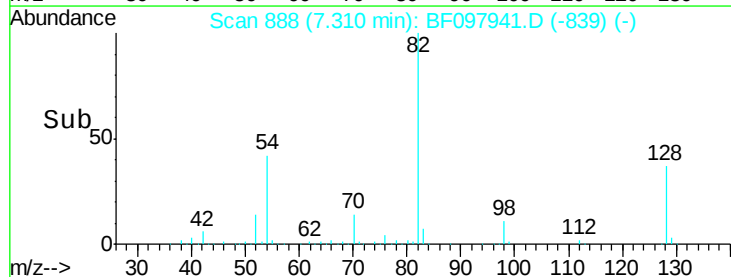
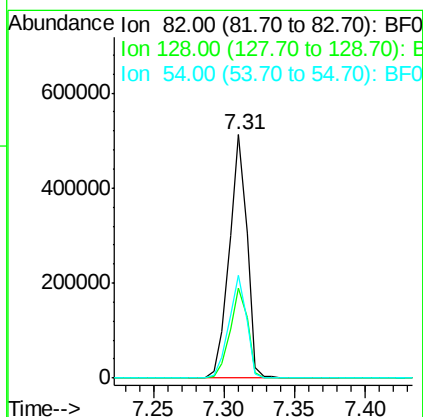
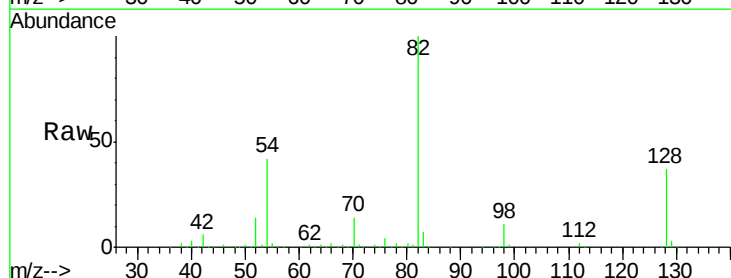
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:	136	Resp:	391137
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.3	4.9	7.3
68	6.7	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 62.004 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Tgt Ion:	82	Resp:	446431
Ion	Ratio	Lower	Upper
82	100		
128	36.8	34.0	51.0
54	42.2	42.2	63.2





#25

Isophorone

Concen: 29.296 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

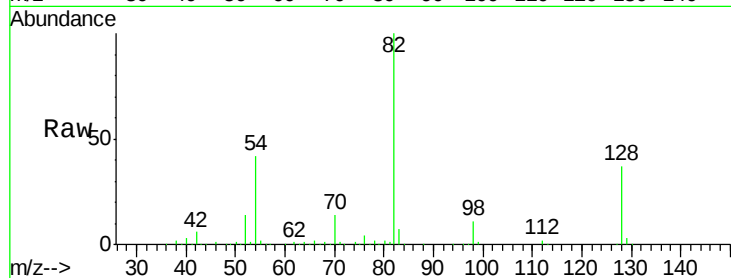
Tgt Ion: 82 Resp: 438596

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

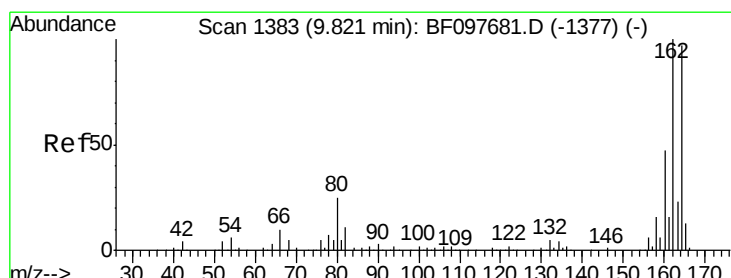
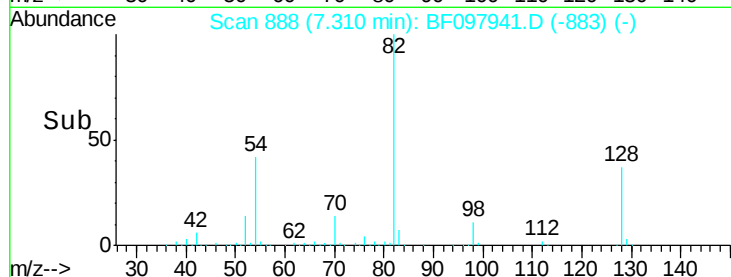
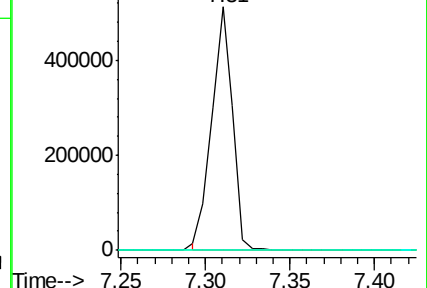
138 0.0 13.1 19.7#



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: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

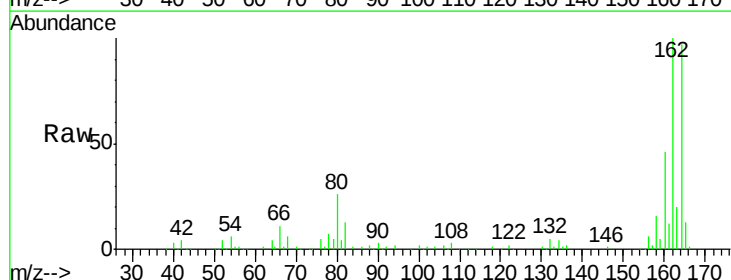
Tgt Ion: 164 Resp: 143836

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

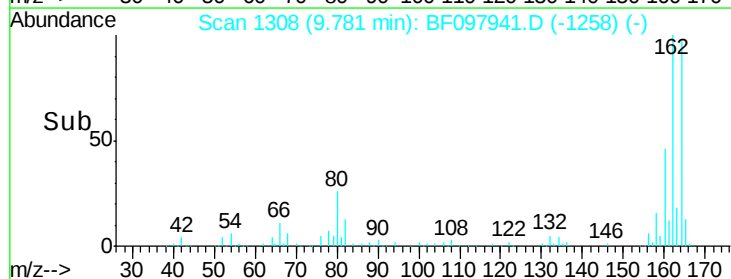
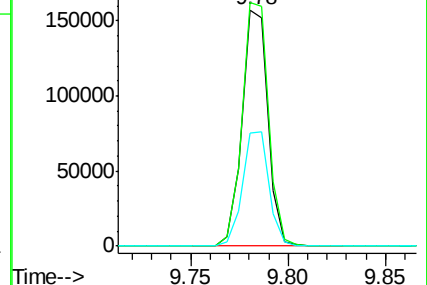
160 47.8 36.2 54.2

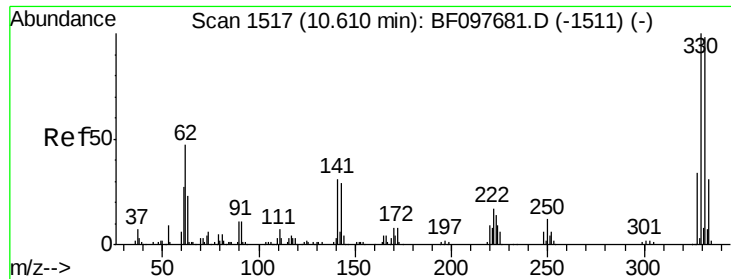


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

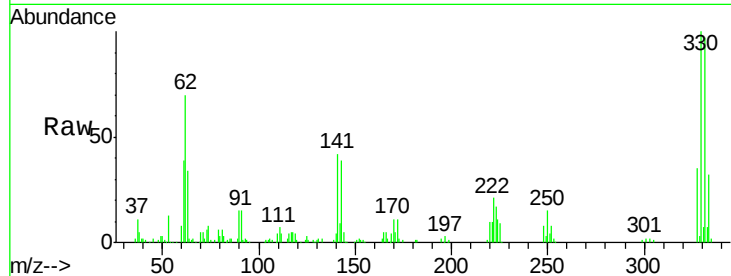




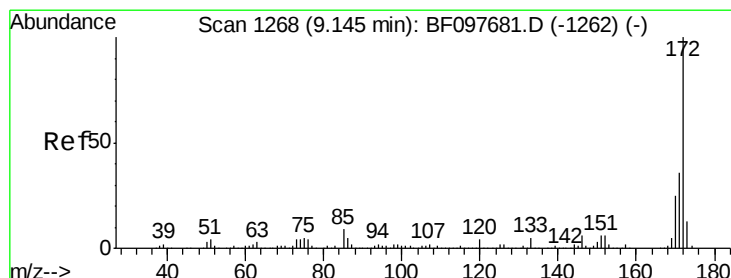
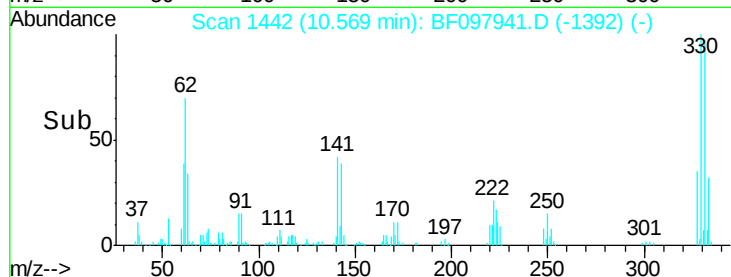
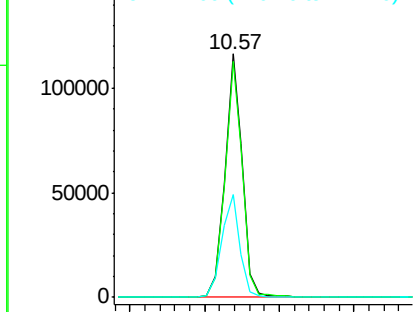
#41
 2,4,6-Tribromophenol
 Concen: 76.893 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion: 330 Resp: 95963
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 43.4 31.4 47.2

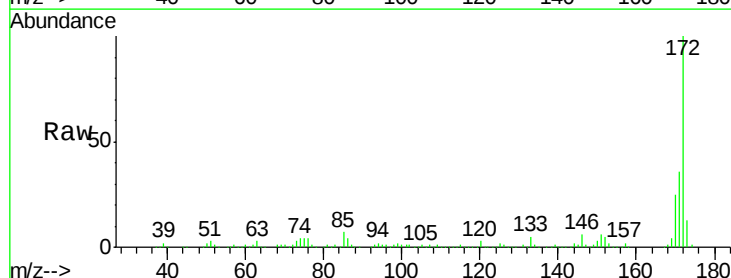


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

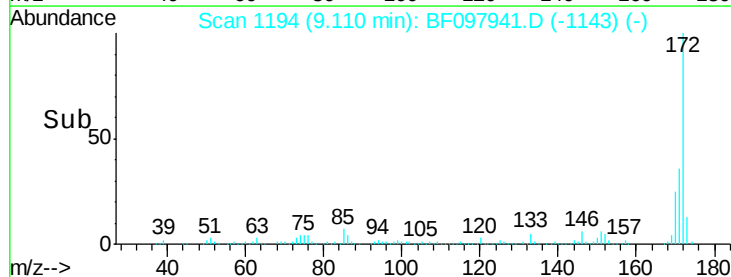
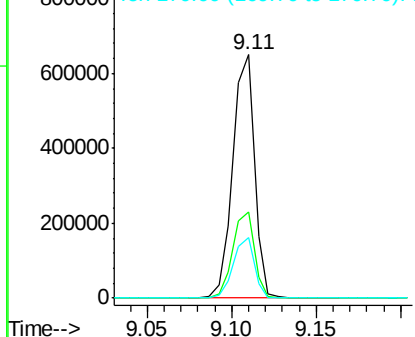


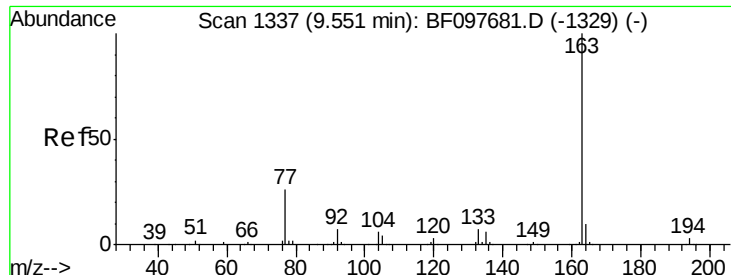
#44
 2-Fluorobiphenyl
 Concen: 59.347 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Tgt Ion: 172 Resp: 581011
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.7 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

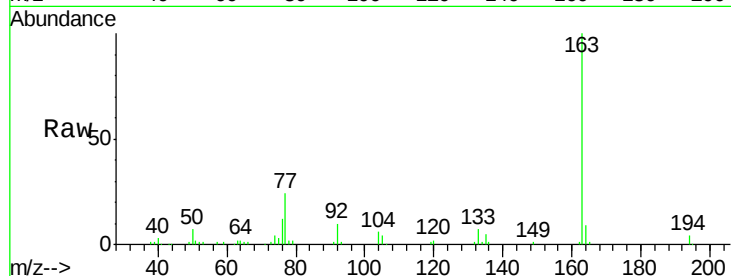




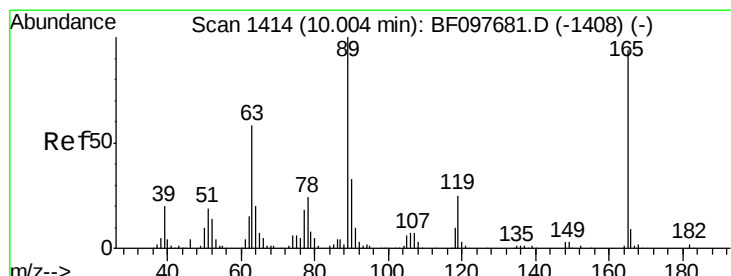
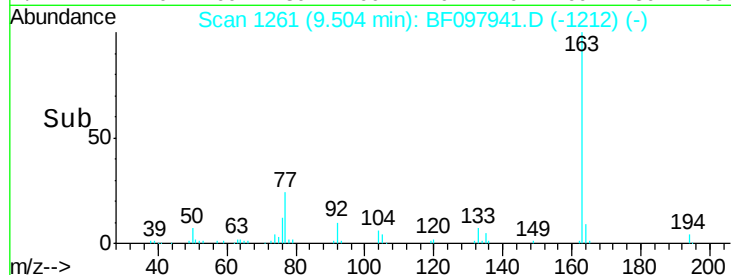
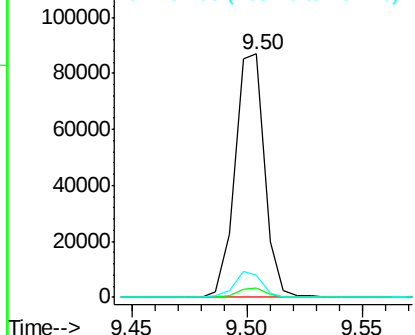
#49
Dimethylphthalate
Concen: 7.378 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:163 Resp: 77569
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.3 8.4 12.6

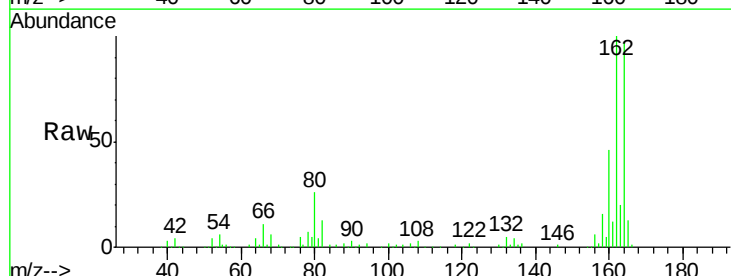


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

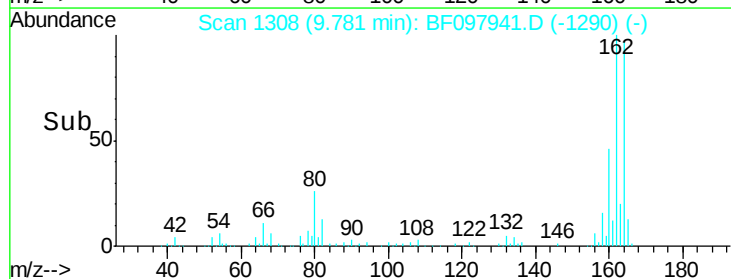
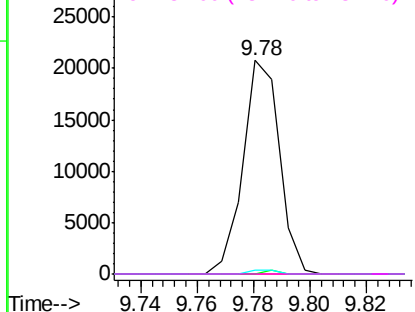


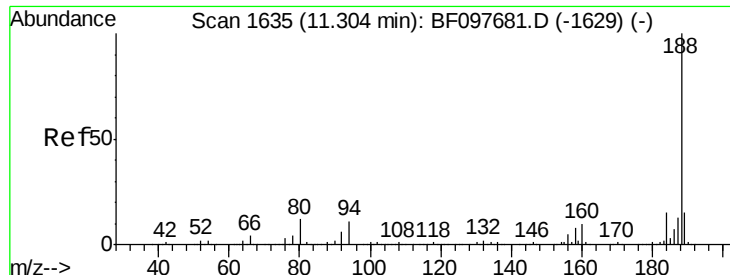
#56
2,4-Dinitrotoluene
Concen: 7.072 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Tgt Ion:165 Resp: 18625
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

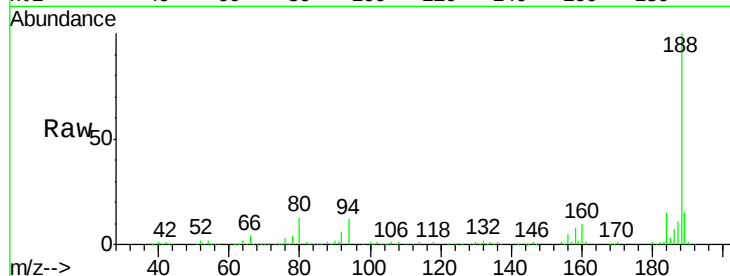




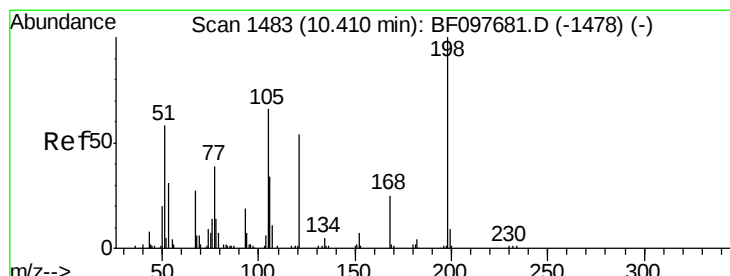
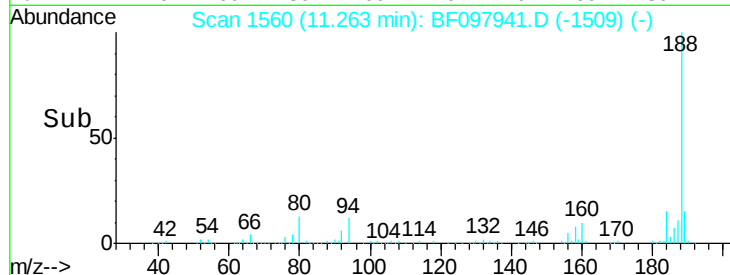
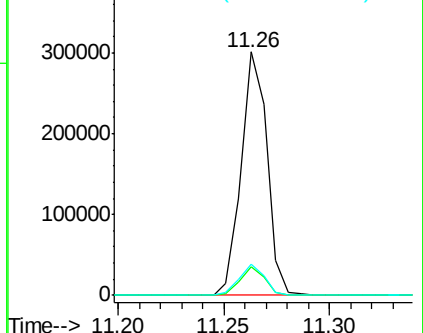
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	12.9	10.2	15.2

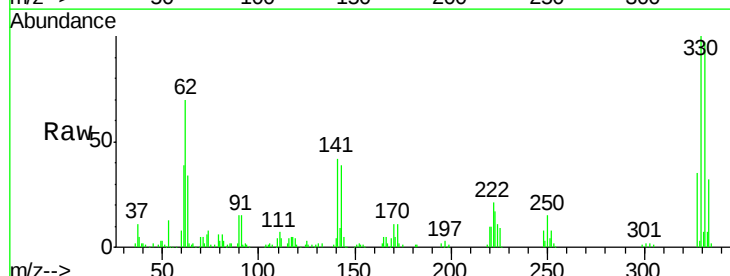


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

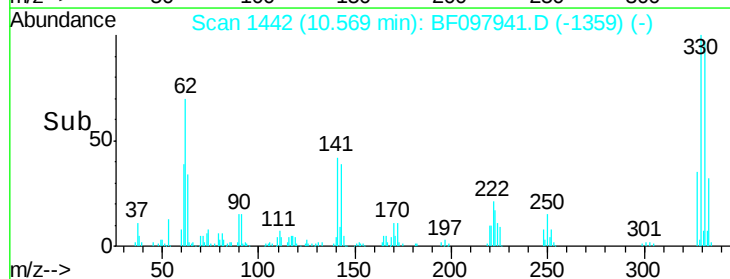
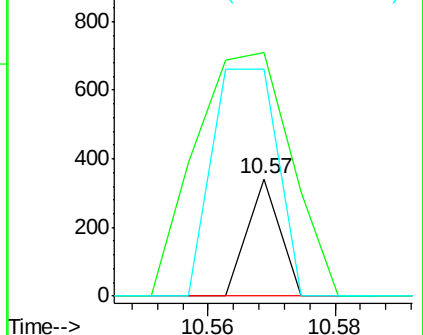


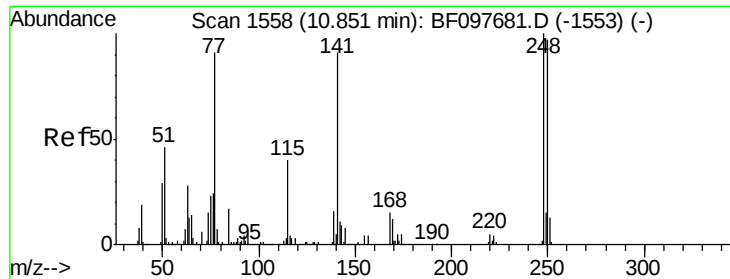
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.404 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Tgt Ion	Ratio	Lower	Upper
198	100		
51	207.3	53.2	93.2#
105	193.9	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

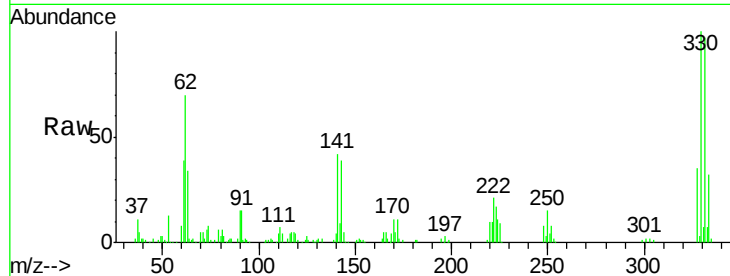




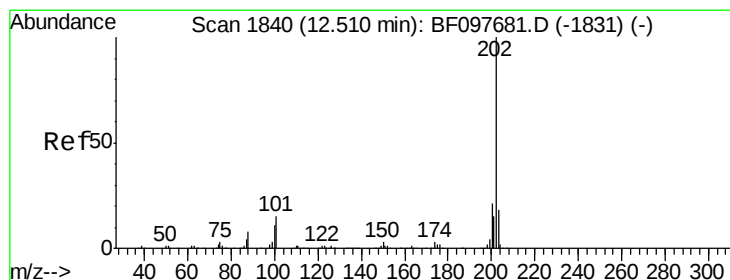
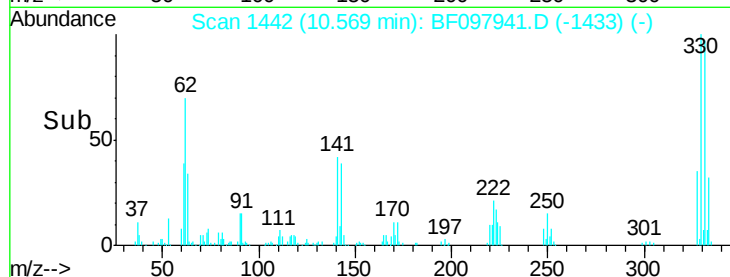
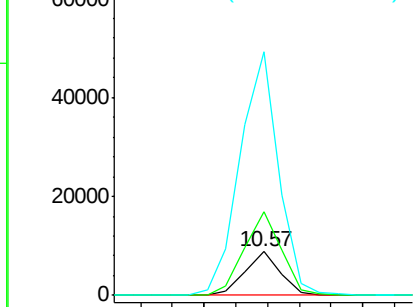
#66
 4-Bromophenyl-phenylether
 Concen: 2.566 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion:248 Resp: 6794
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.8 115.2#
 141 562.2 68.6 103.0#

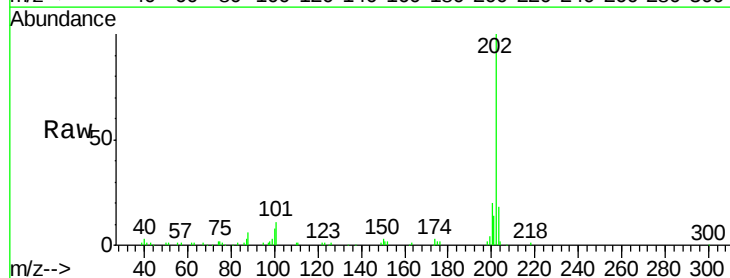


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

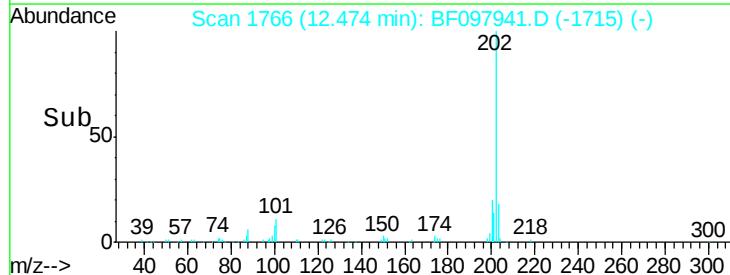
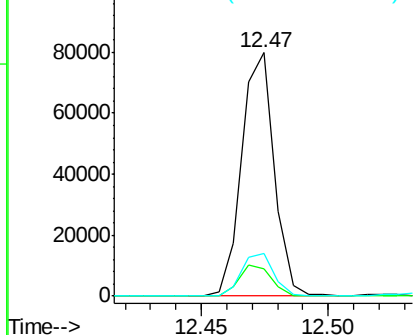


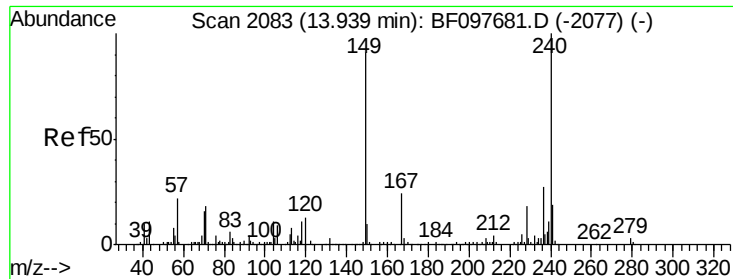
#74
 Fluoranthene
 Concen: 5.005 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Tgt Ion:202 Resp: 70964
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.2
 203 17.7 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: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

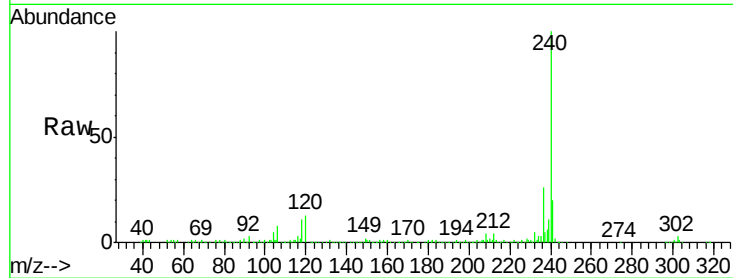
Tgt Ion:240 Resp: 223434

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

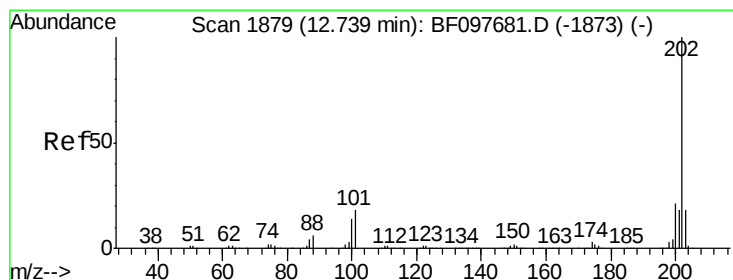
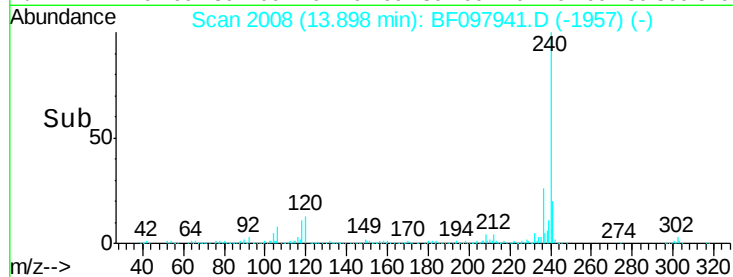
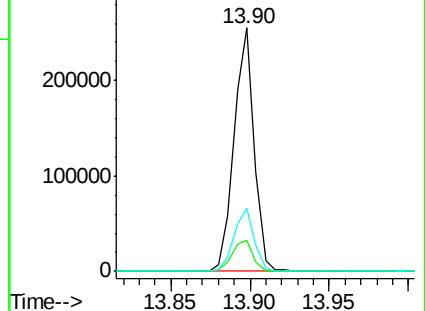
236 26.0 20.5 30.7



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: 3.936 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

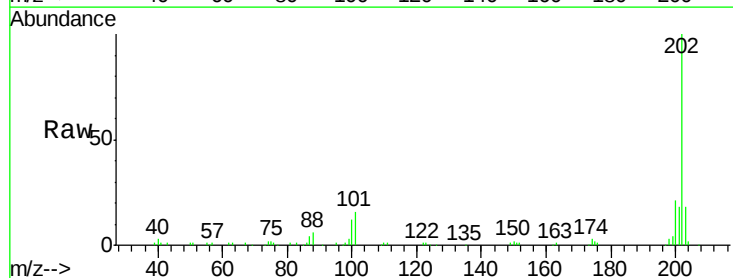
Tgt Ion:202 Resp: 71924

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

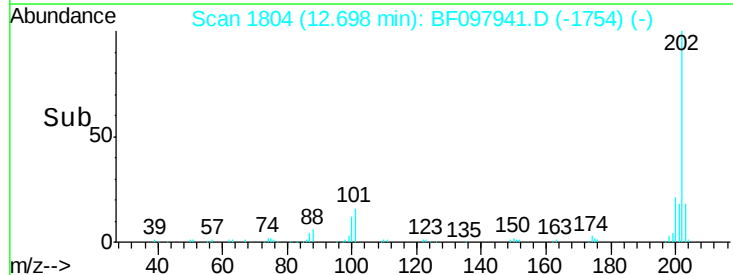
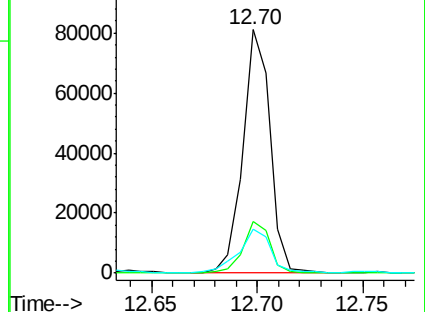
203 17.9 14.4 21.6

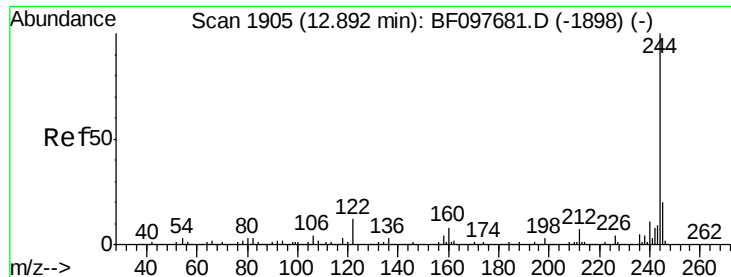


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.706 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

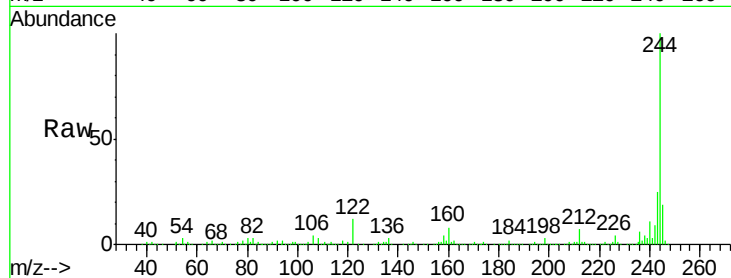
Tgt Ion:244 Resp: 436146

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

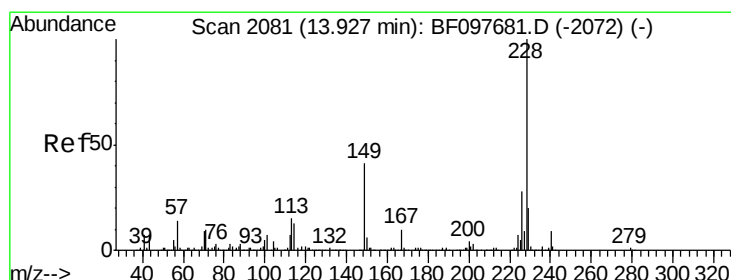
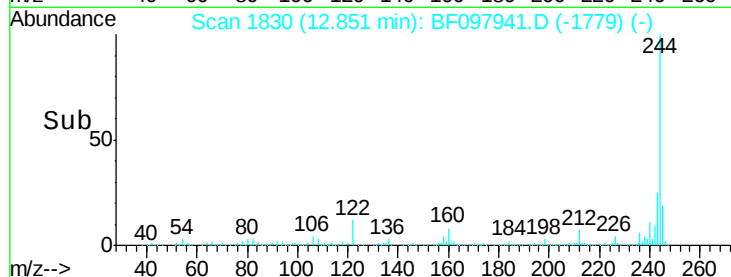
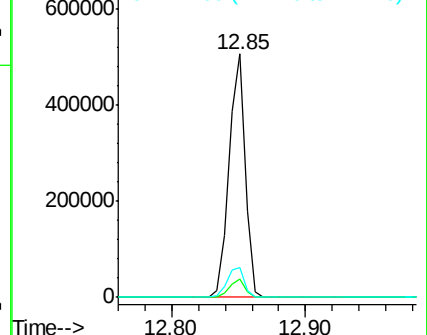
122 12.2 10.3 15.5



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: 2.350 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.04 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

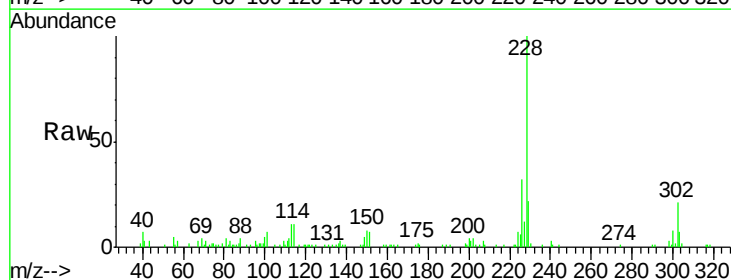
Tgt Ion:228 Resp: 31463

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

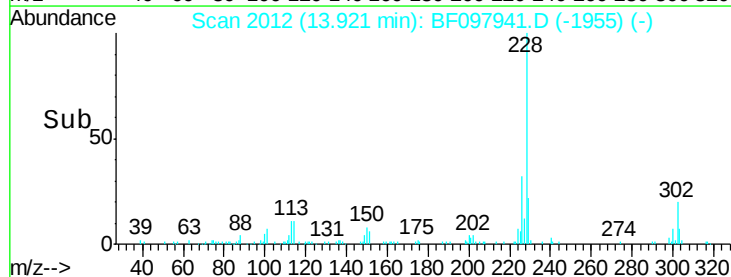
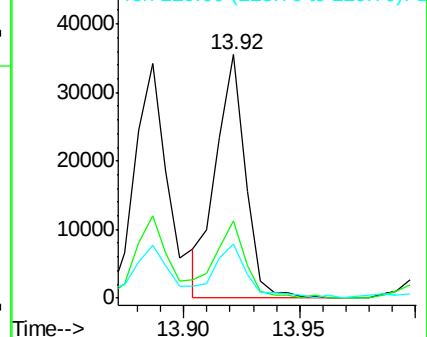
229 22.1 16.3 24.5

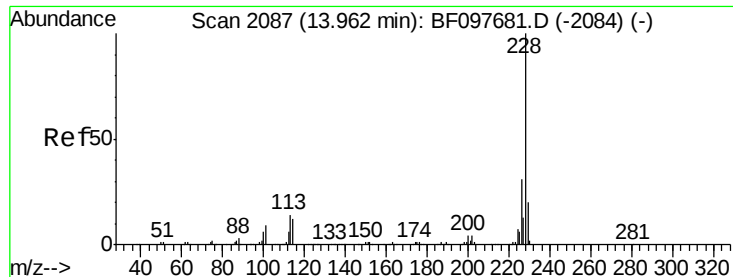


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

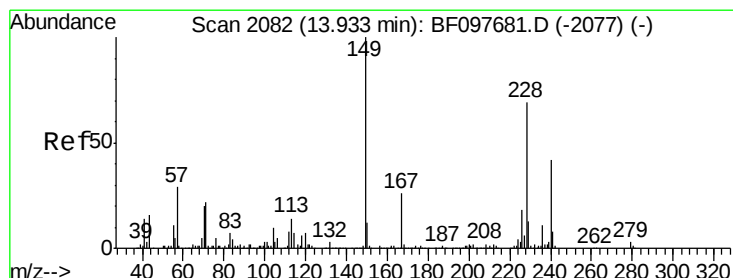
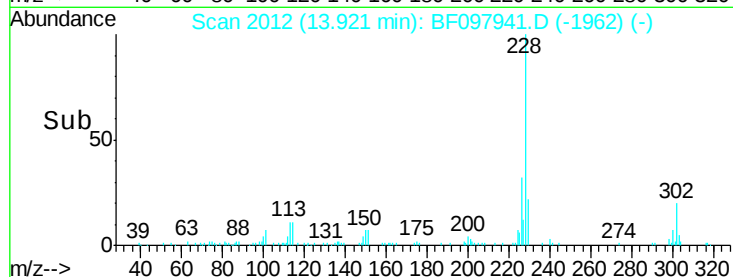
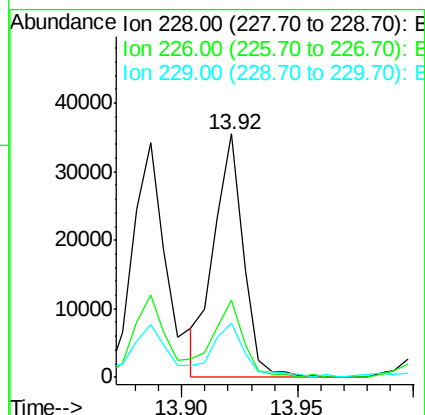
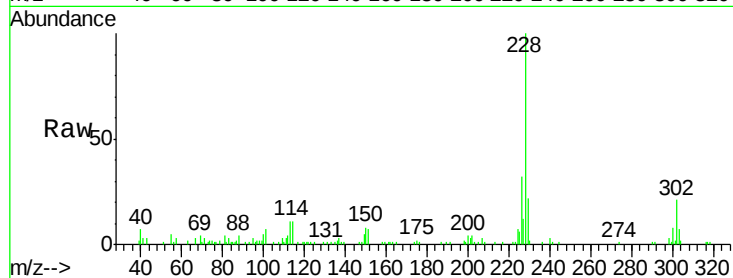




#82
Chrysene
 Concen: 2.362 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

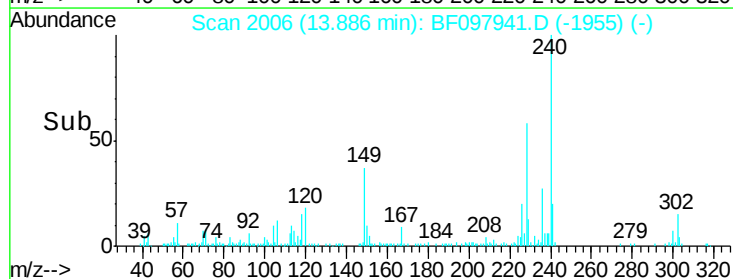
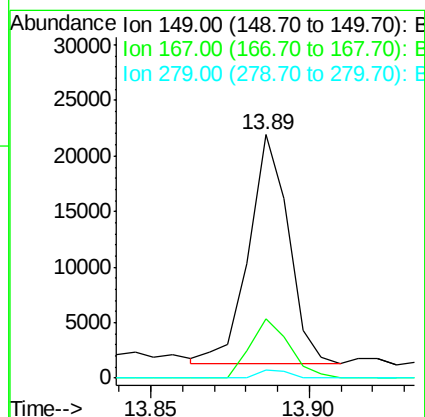
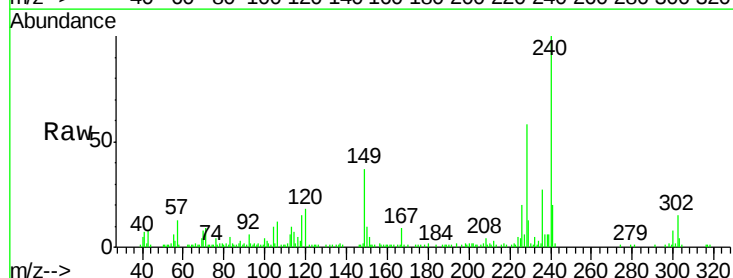
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

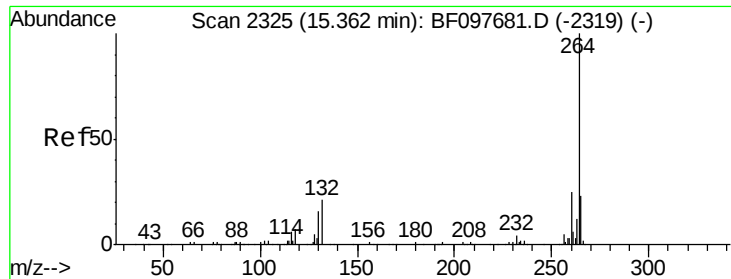
Tgt Ion:	228	Resp:	31463
Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	22.1	15.8	23.6



#83
Bis(2-ethylhexyl)phthalate
 Concen: 2.298 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF097941.D
 Acq: 22 Aug 2017 8:29

Tgt Ion:	149	Resp:	17842
Ion	Ratio	Lower	Upper
149	100		
167	24.2	21.0	31.4
279	3.1	1.9	2.9#



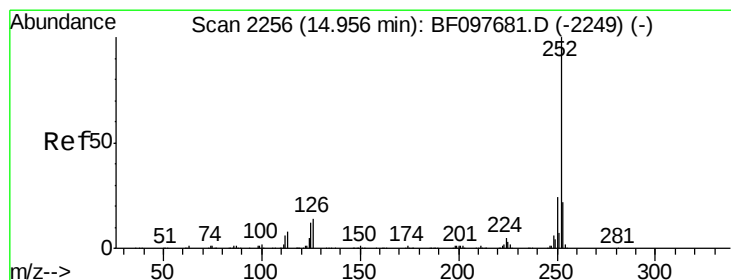
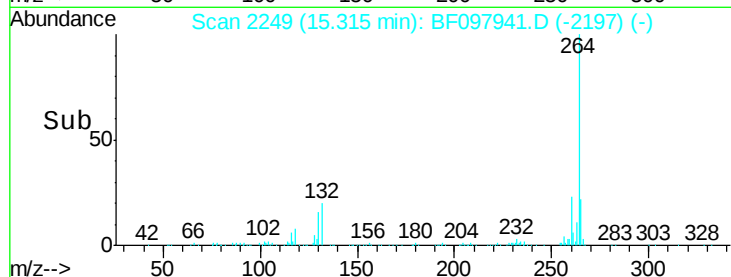
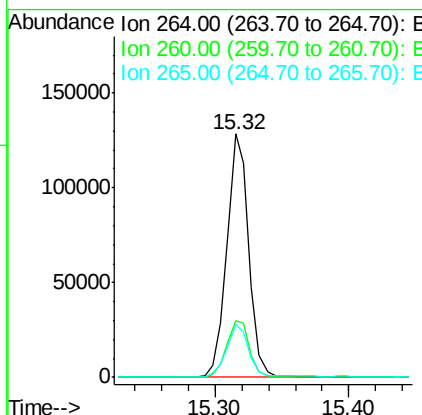
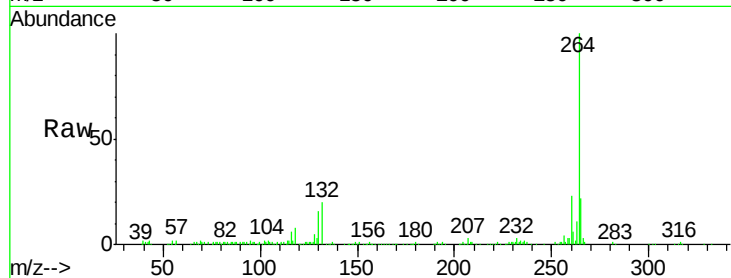


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:264 Resp: 148582

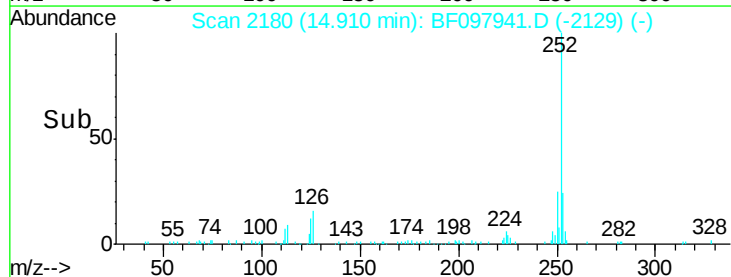
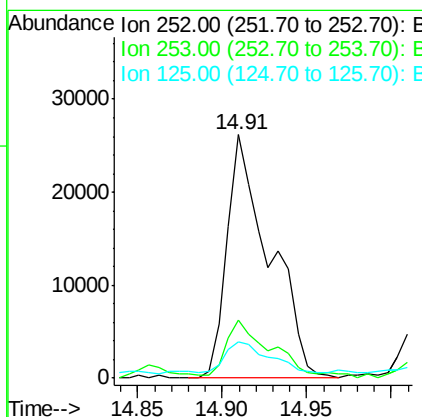
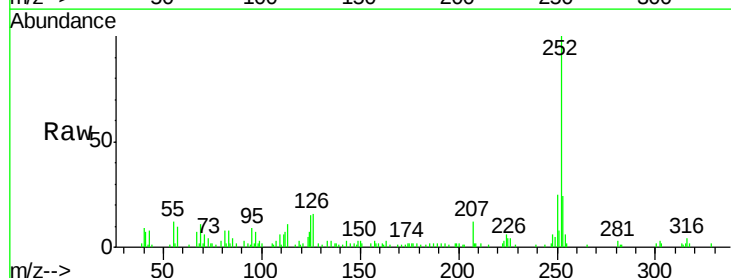
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.8	17.2	25.8

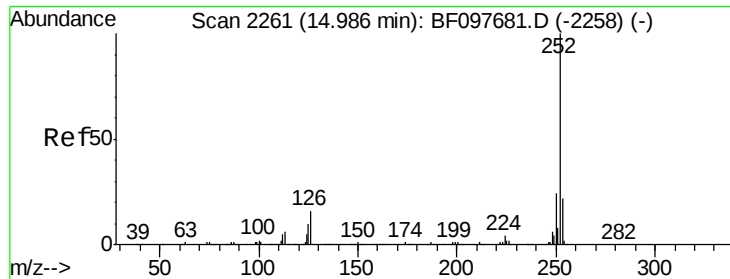


#87
Benzo(b)fluoranthene
Concen: 4.894 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Tgt Ion:252 Resp: 45838

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	15.1	9.8	14.8#

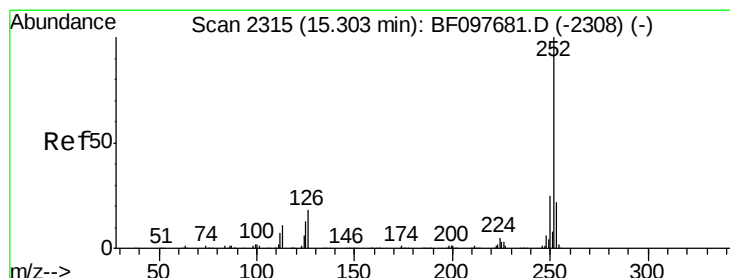
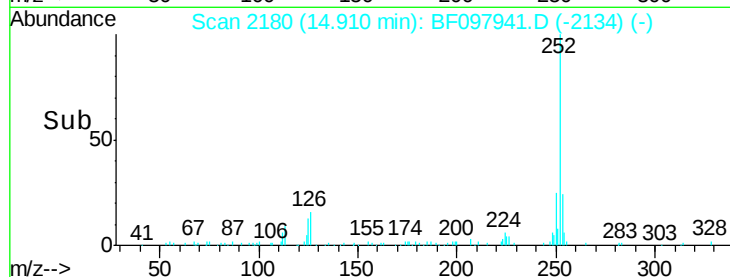
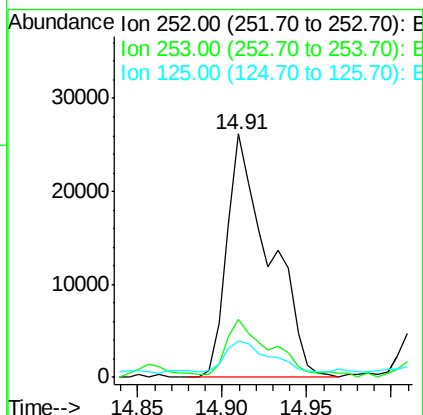
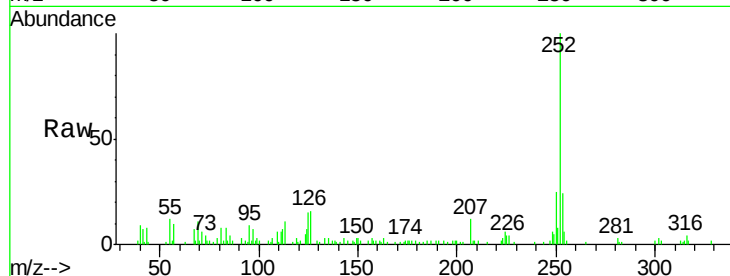




#88
Benzo(k)fluoranthene
Concen: 5.209 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

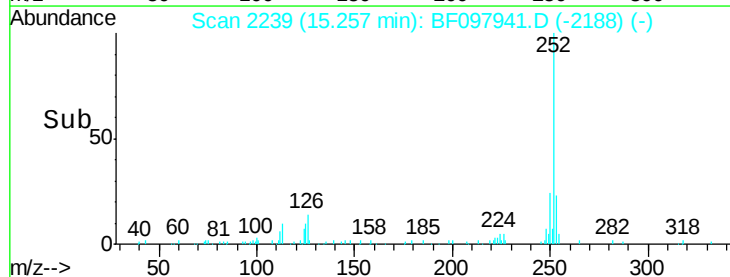
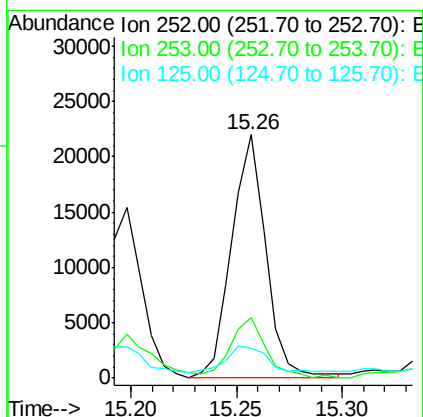
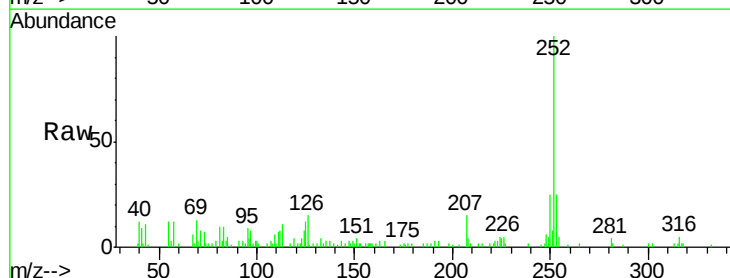
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

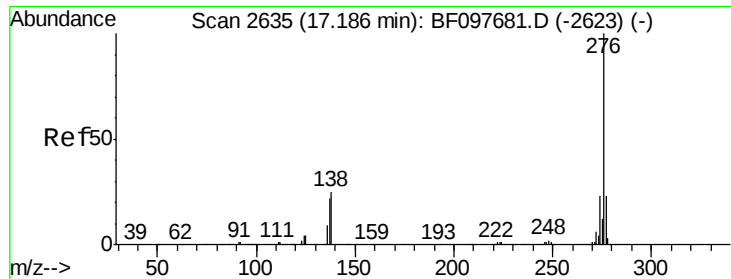
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	15.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.990 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097941.D
Acq: 22 Aug 2017 8:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	12.4	11.0	16.4





#91

Benzo(g,h,i)perylene

Concen: 2.046 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097941.D

Acq: 22 Aug 2017 8:29

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

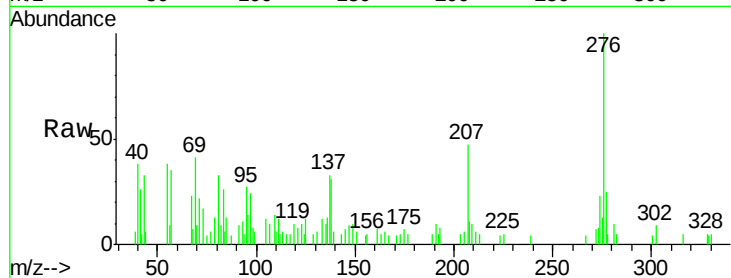
Tgt Ion: 276 Resp: 14411

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 31.0 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

