

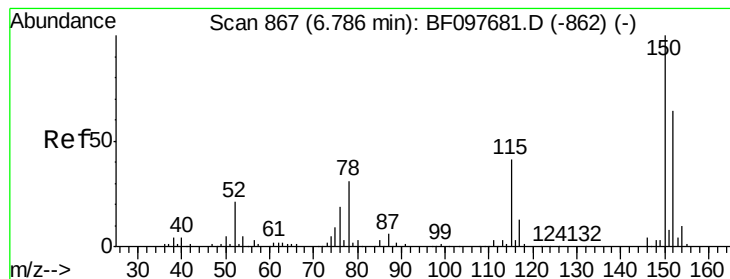
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097937.D
 Acq On : 22 Aug 2017 6:38
 Operator : SJ/JU
 Sample : I4872-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Quant Time: Aug 22 07:48:32 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	120989	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	436867	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	160165	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	286306	20.00	ng	0.00
75) Chrysene-d12	13.90	240	240886	20.00	ng	0.00
86) Perylene-d12	15.32	264	154918	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	773663	97.26	ng	0.00
7) Phenol-d6	6.39	99	1095051	101.32	ng	0.00
23) Nitrobenzene-d5	7.32	82	640203	79.61	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	112280	80.79	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	862034	79.08	ng	0.00
78) Terphenyl-d14	12.86	244	676059	58.53	ng	0.01
Target Compounds						
10) Phenol	6.40	94	33166	2.62	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.32	70	87519	11.83	ng	# 70
25) Isophorone	7.32	82	631816	37.78	ng	# 67
49) Dimethylphthalate	9.50	163	103649	8.85	ng	97
53) 2,4-Dinitrophenol	9.83	184	121	10.24	ng	# 4
56) 2,4-Dinitrotoluene	9.78	165	20068	6.84	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	251	8.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	7752	2.61	ng	# 1
74) Fluoranthene	12.71	202	45718	2.87	ng	85
77) Pyrene	12.71	202	45841	2.33	ng	97
87) Benzo(b)fluoranthene	14.92	252	23281	2.38	ng	# 65
88) Benzo(k)fluoranthene	14.92	252	23281	2.54	ng	# 70

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

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SB-04-COMP

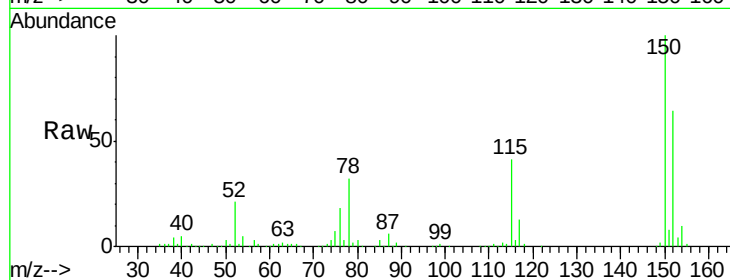
Tot Ion:152 Resp: 120989

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

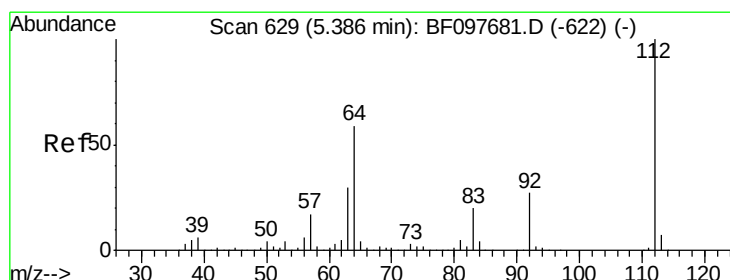
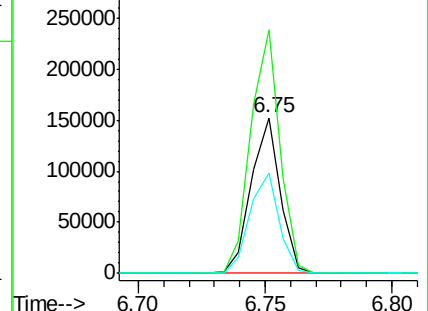
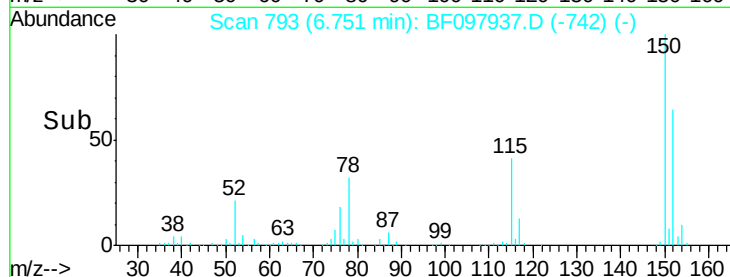
115 64.8 52.2 78.2



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: 97.26 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

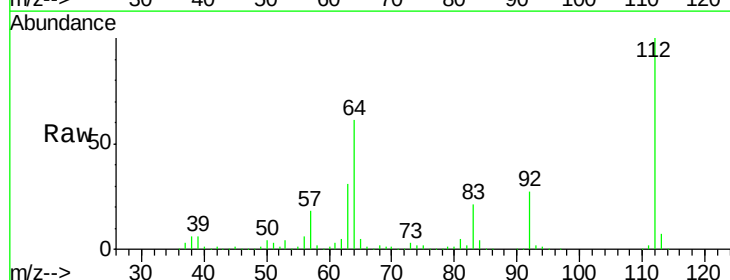
Tgt Ion:112 Resp: 773663

Ion Ratio Lower Upper

112 100

64 61.3 46.0 69.0

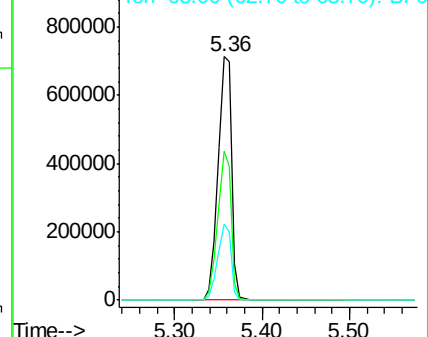
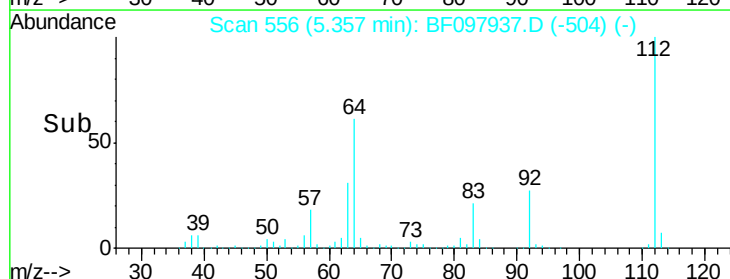
63 31.2 23.4 35.0

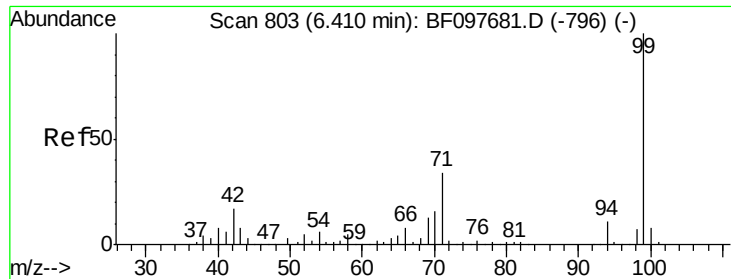


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.32 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

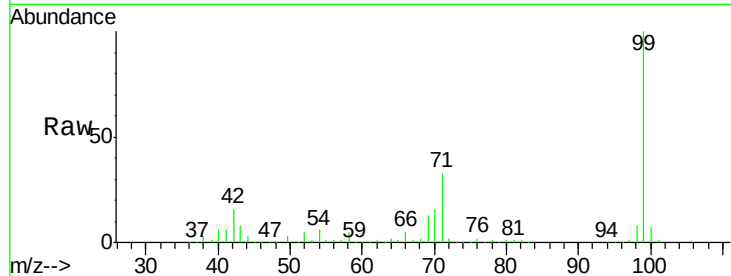
Tot Ion: 99 Resp: 1095051

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	33.4	24.5	36.7

99 100

42 15.8 13.5 20.3

71 33.4 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

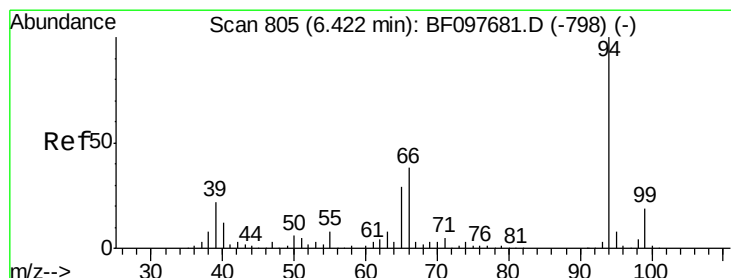
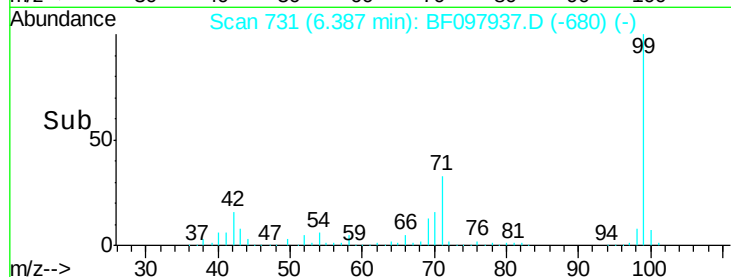
1000000

500000

0

6.39

Time-->



#10

Phenol

Concen: 2.62 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

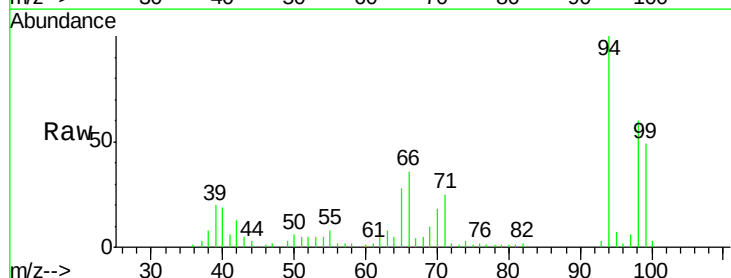
Tgt Ion: 94 Resp: 33166

Ion	Ratio	Lower	Upper
94	100		
65	27.6	9.9	49.9
66	35.8	23.1	63.1

94 100

65 27.6 9.9 49.9

66 35.8 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

60000

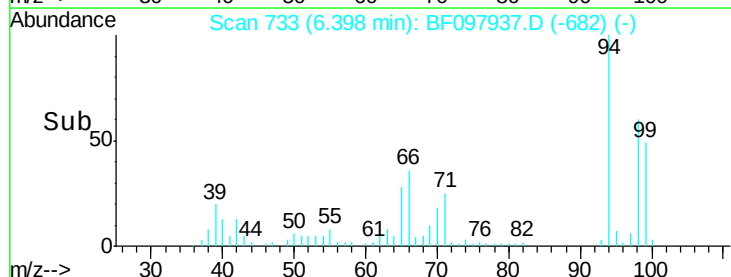
40000

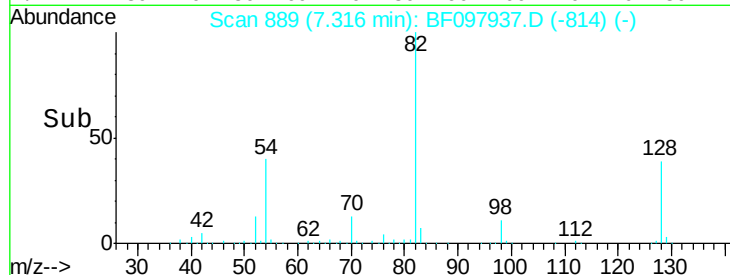
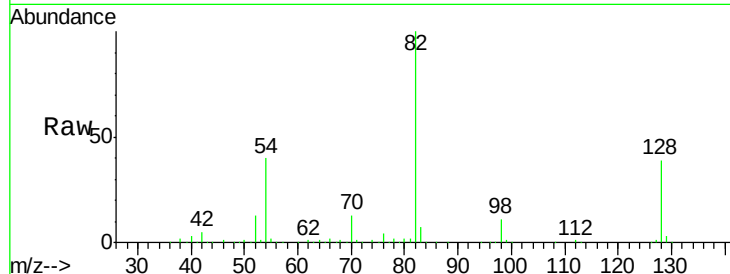
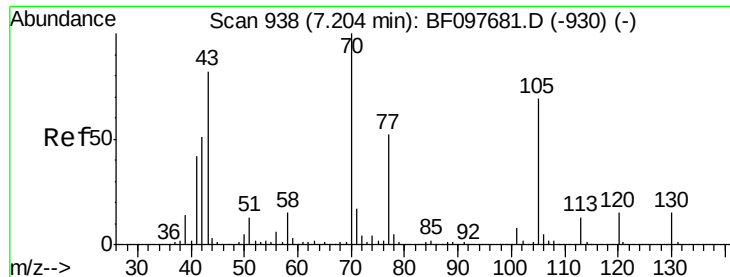
20000

0

6.40

Time-->

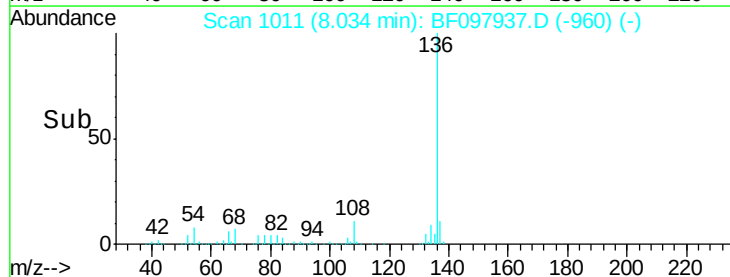
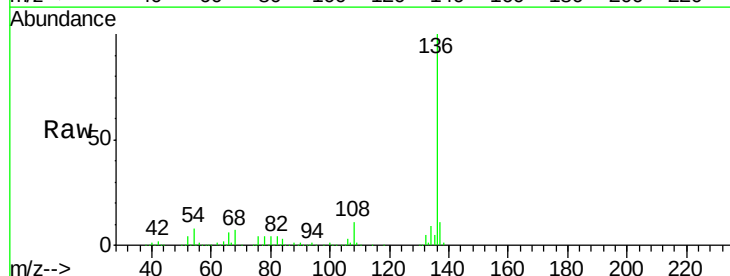
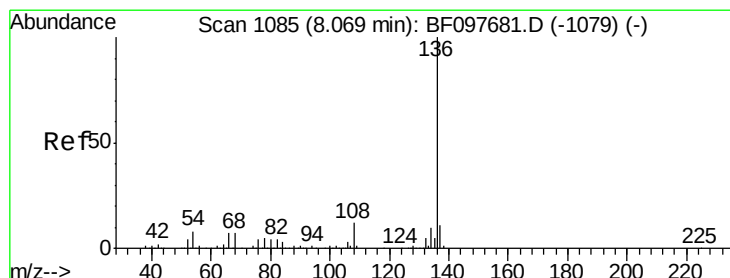
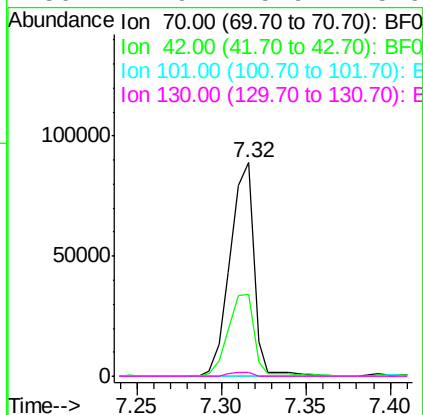




#19
n-Nitroso-di-n-propylamine
Concen: 11.83 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.14 min
Lab File: BF097937.D
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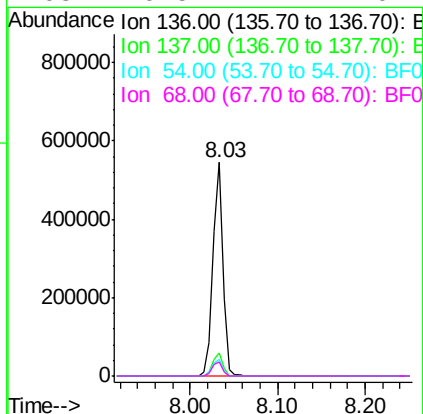
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

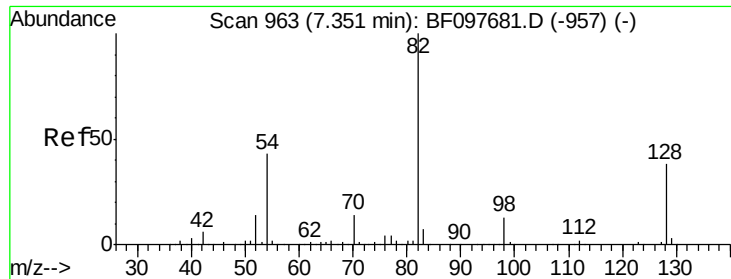
Tot Ion:	70	Resp:	87519
Ion	Ratio	Lower	Upper
70	100		
42	38.6	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Tgt Ion:	136	Resp:	436867
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.5	4.9	7.3#
68	6.5	4.1	6.1#

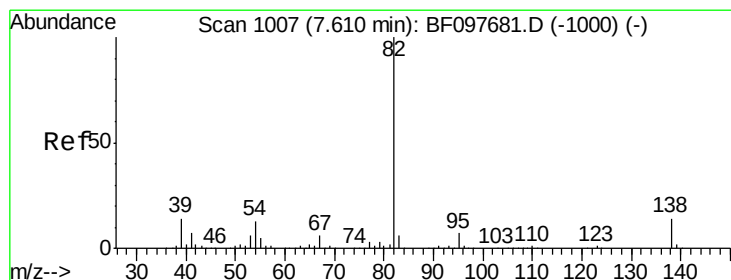
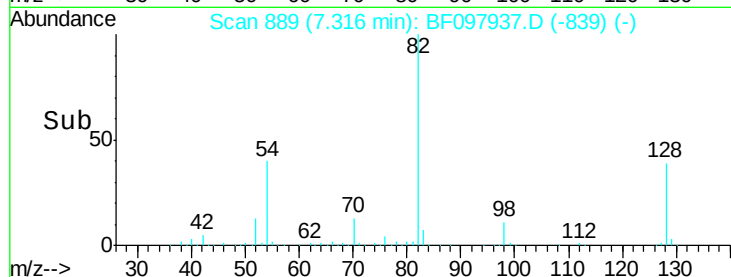
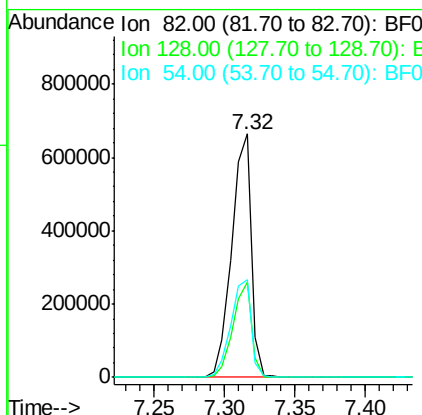
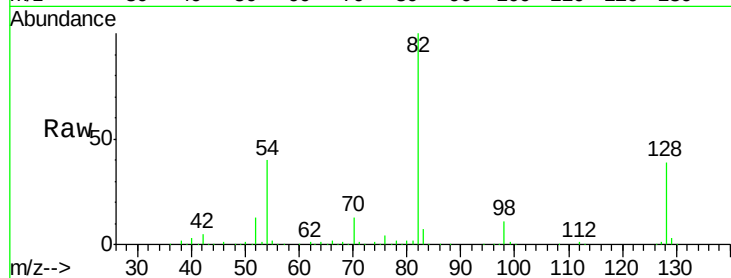




#23
 Nitrobenzene-d5
 Concen: 79.61 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

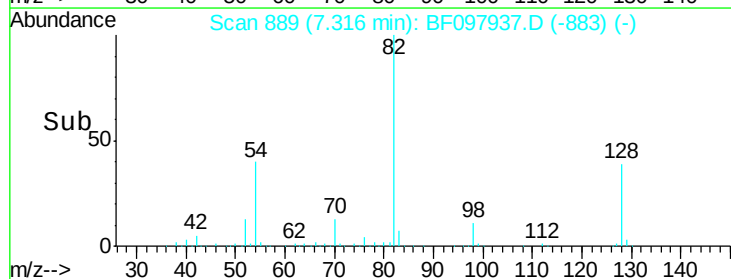
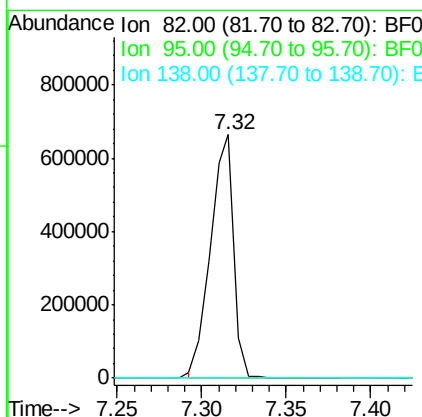
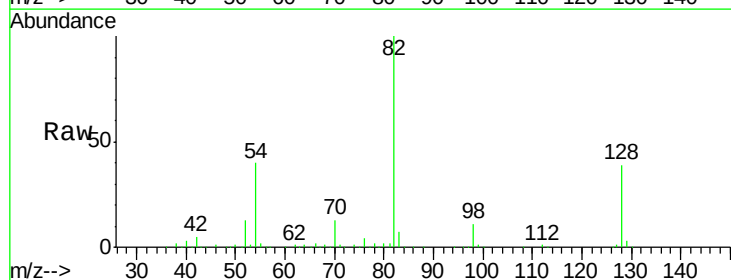
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

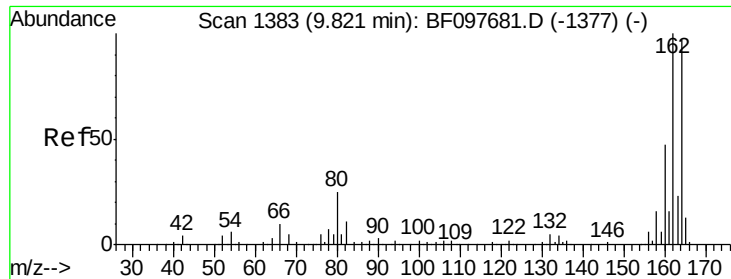
Tot Ion	82	Resp	640203
Ion Ratio	Lower	Upper	
82	100		
128	39.1	34.0	51.0
54	39.9	42.2	63.2#



#25
 Isophorone
 Concen: 37.78 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.26 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

Tgt Ion	82	Resp	631816
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

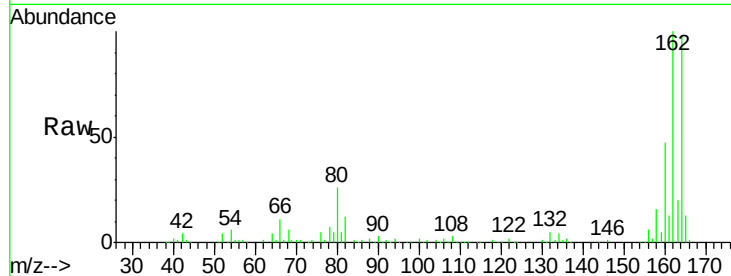




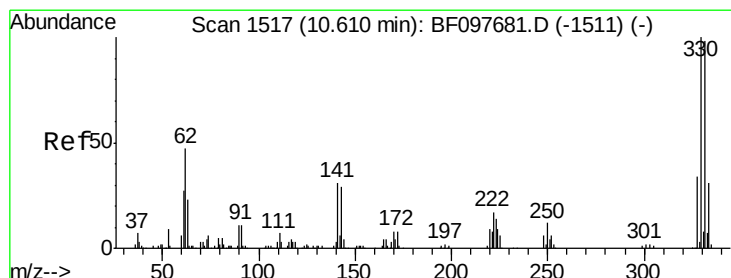
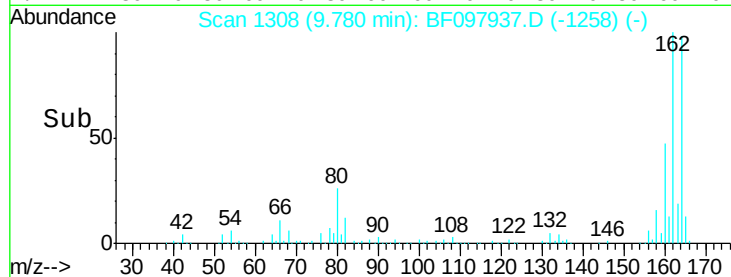
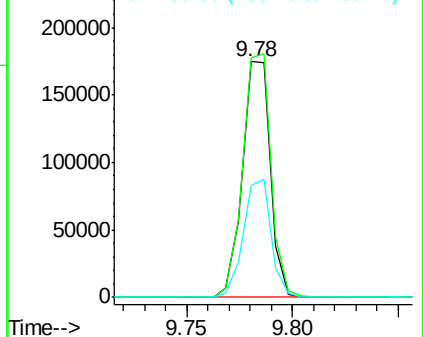
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	47.6	36.2	54.2

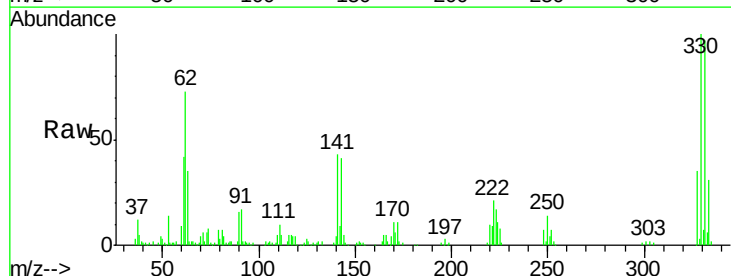


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

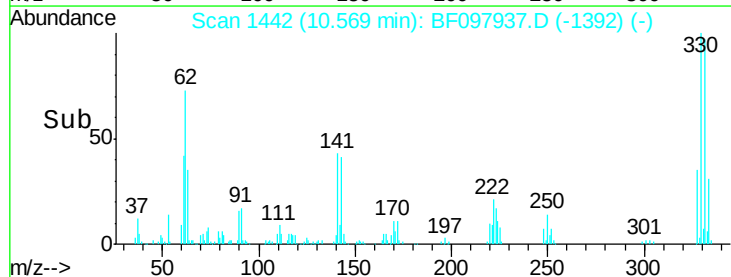
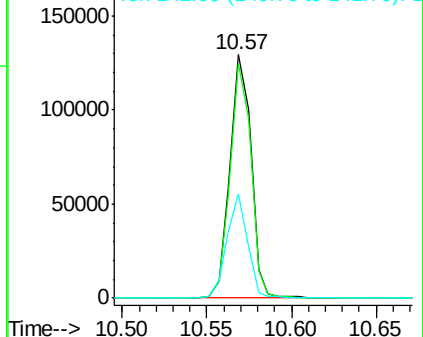


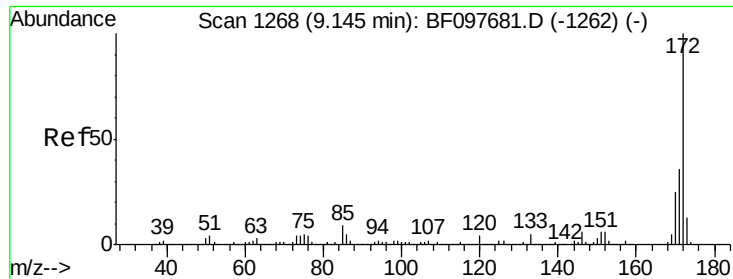
#41
 2,4,6-Tribromophenol
 Concen: 80.79 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	42.1	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

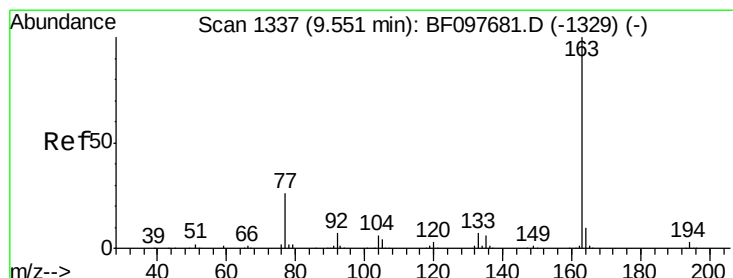
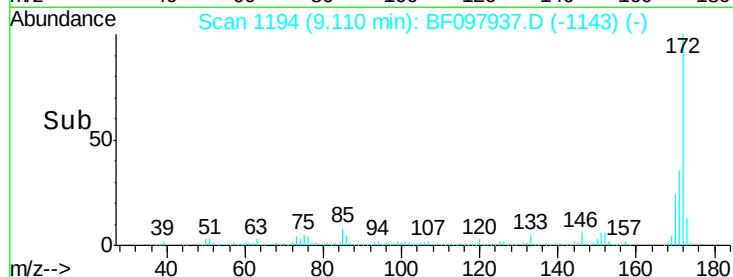
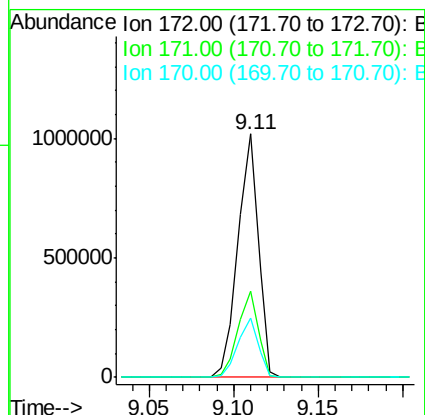
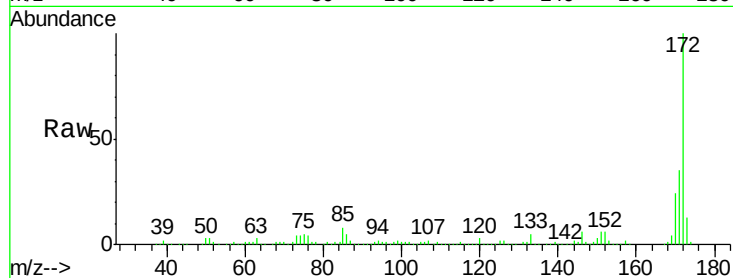




#44
2-Fluorobiphenyl
Concen: 79.08 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

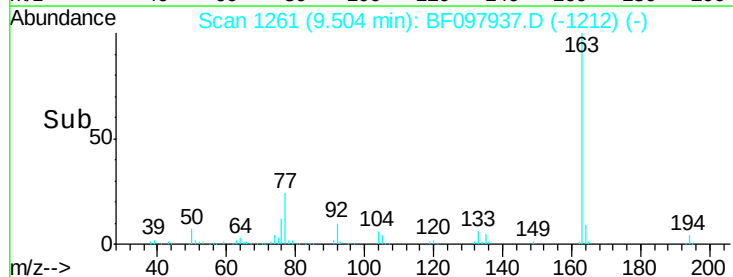
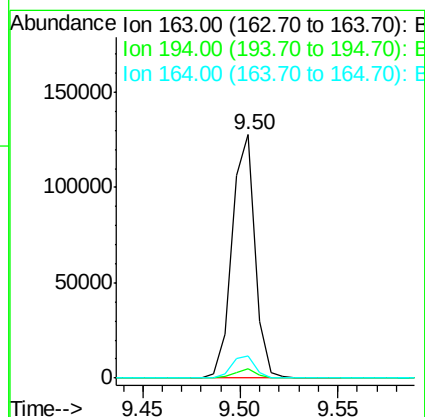
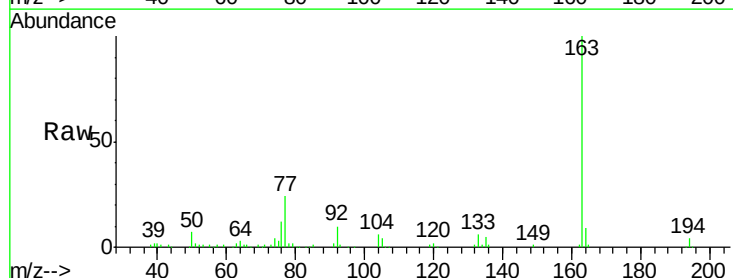
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

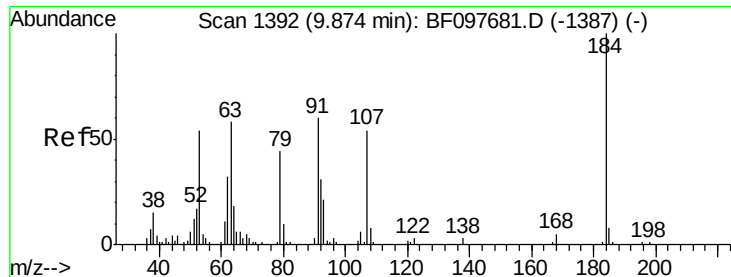
Tot Ion:172 Resp: 862034
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 8.85 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Tgt Ion:163 Resp: 103649
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 9.2 8.4 12.6

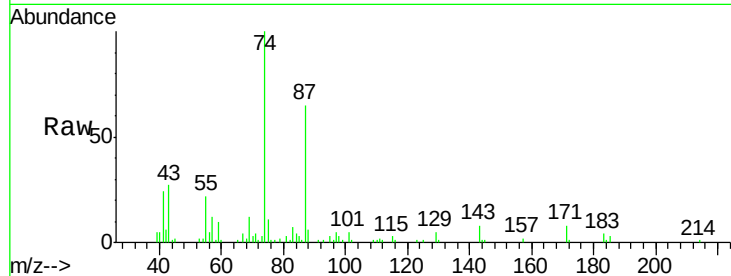




#53
2,4-Dinitrophenol
Concen: 10.24 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

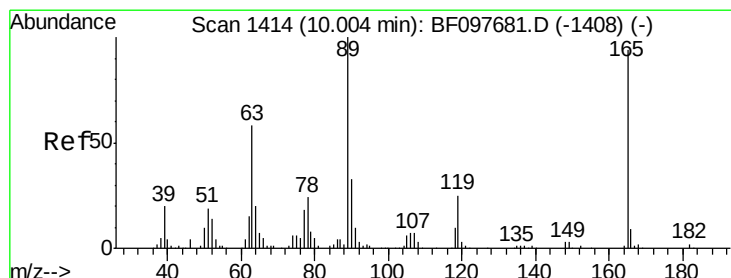
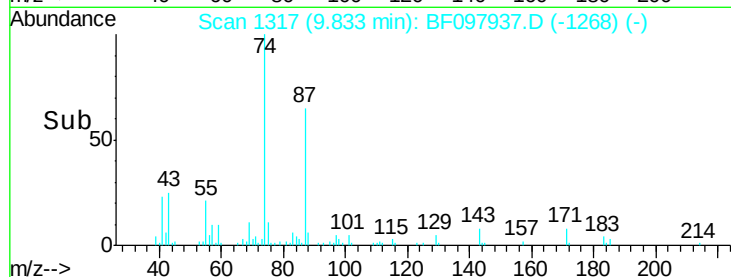
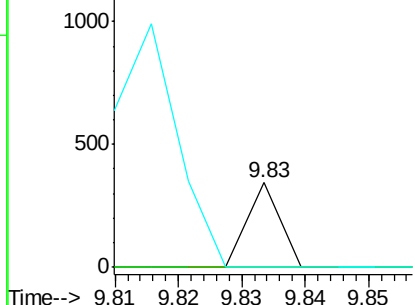
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.7	94.1#
154	0.0	81.1	121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#56
2,4-Dinitrotoluene
Concen: 6.84 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

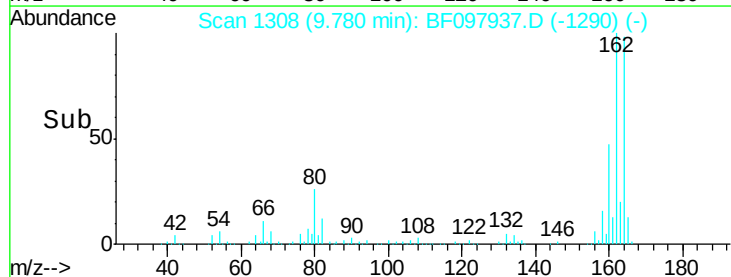
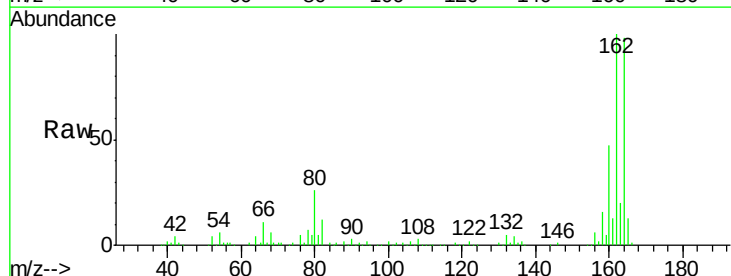
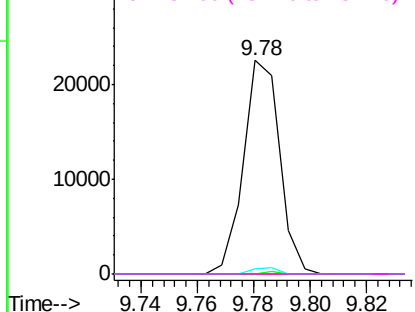
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#

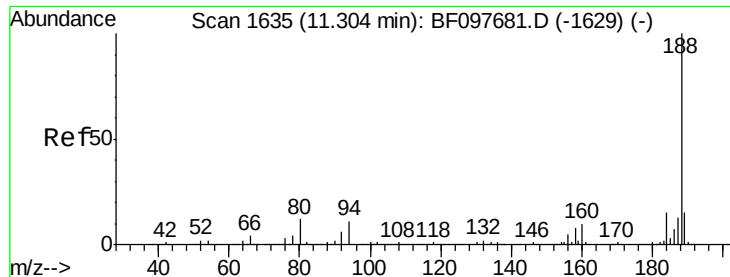
Abundance Ion 165.00 (164.70 to 165.70): E

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

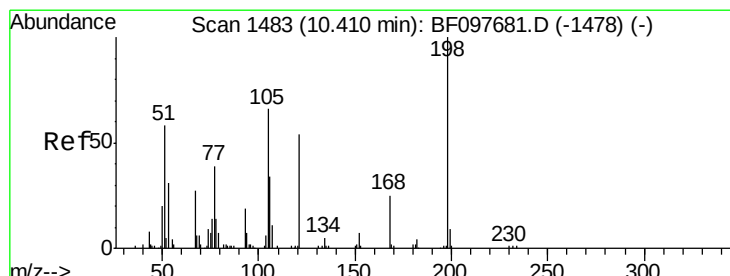
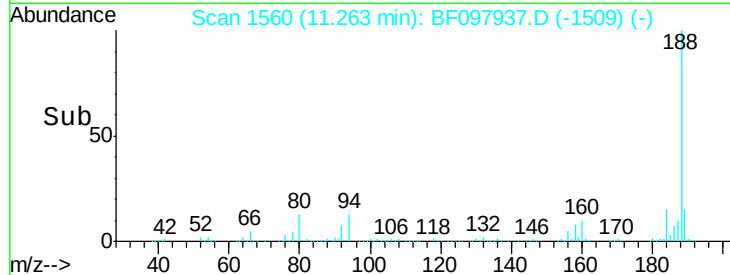
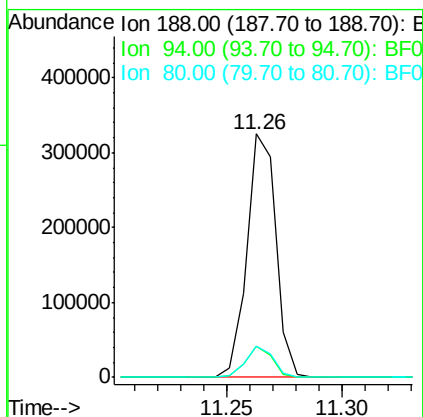
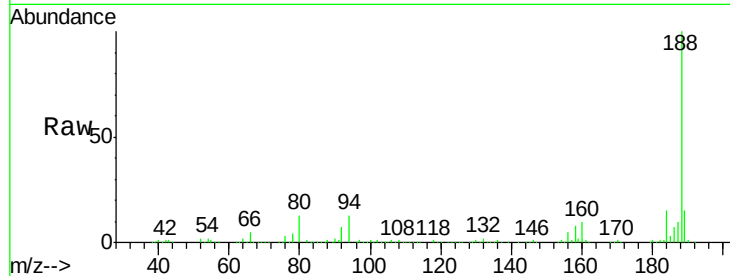




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

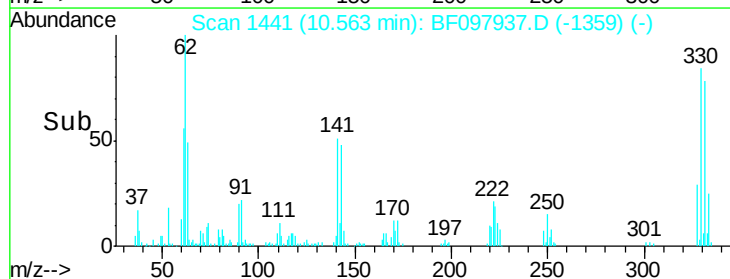
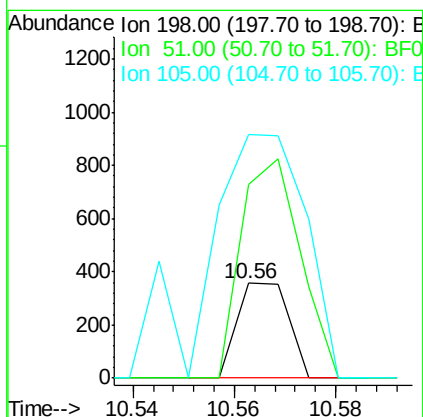
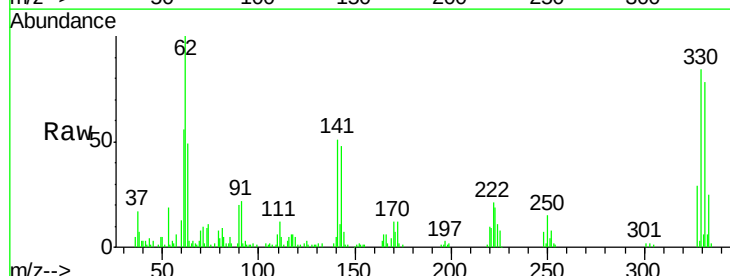
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

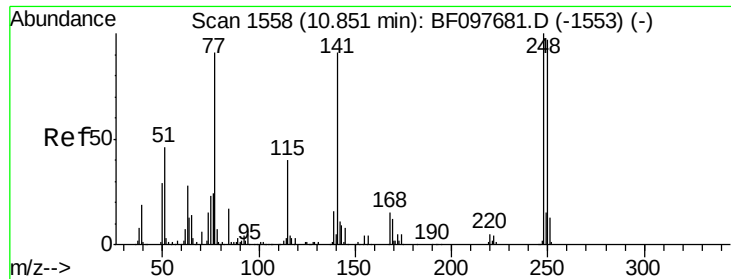
Tot Ion:188 Resp: 286306
Ion Ratio Lower Upper
188 100
94 12.6 9.4 14.2
80 12.8 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.47 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.18 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Tgt Ion:198 Resp: 251
Ion Ratio Lower Upper
198 100
51 204.8 53.2 93.2#
105 256.6 45.8 85.8#

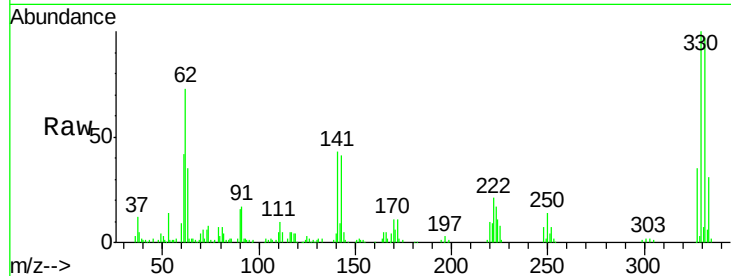




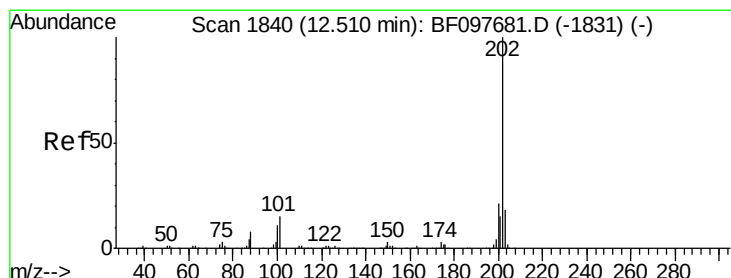
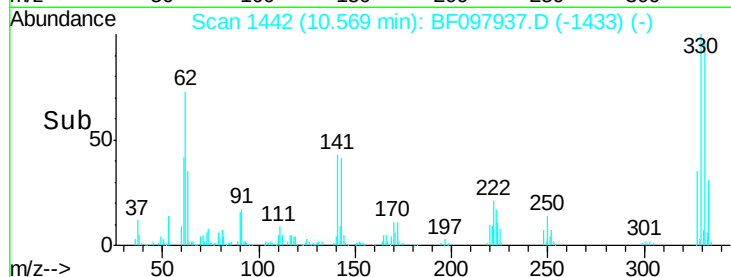
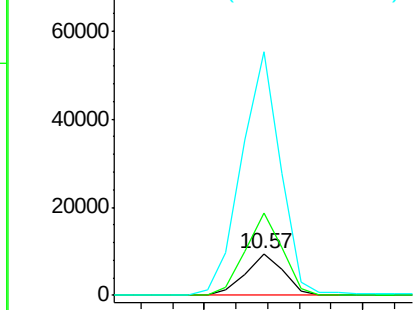
#66
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tot Ion:248 Resp: 7752
Ion Ratio Lower Upper
248 100
250 198.1 76.8 115.2#
141 584.0 68.6 103.0#

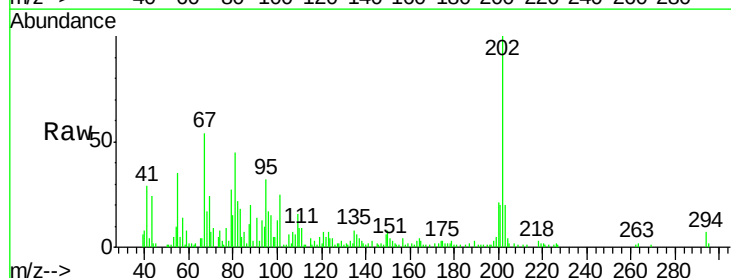


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

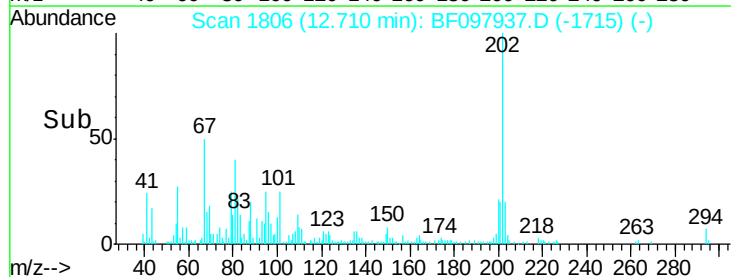
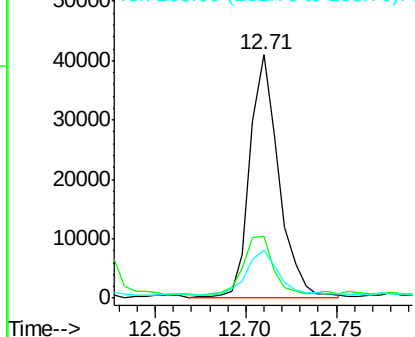


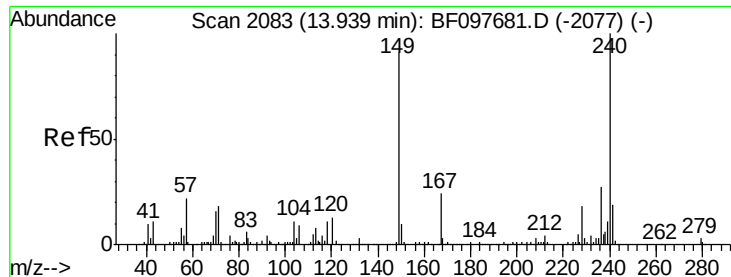
#74
Fluoranthene
Concen: 2.87 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.24 min
Lab File: BF097937.D
Acq: 22 Aug 2017 6:38

Tgt Ion:202 Resp: 45718
Ion Ratio Lower Upper
202 100
101 25.3 0.0 33.2
203 19.6 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: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

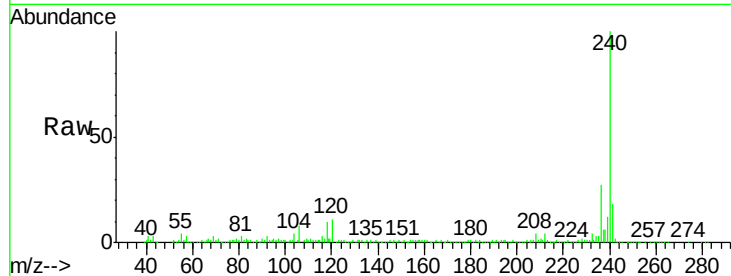
Tot Ion:240 Resp: 240886

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

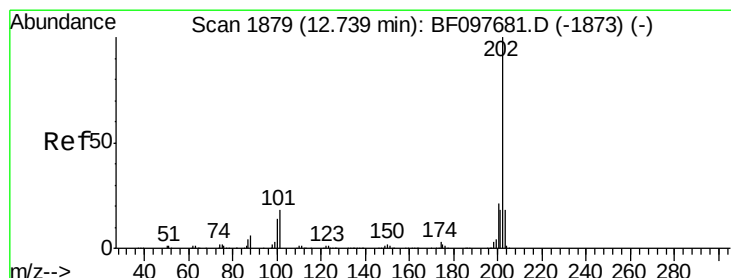
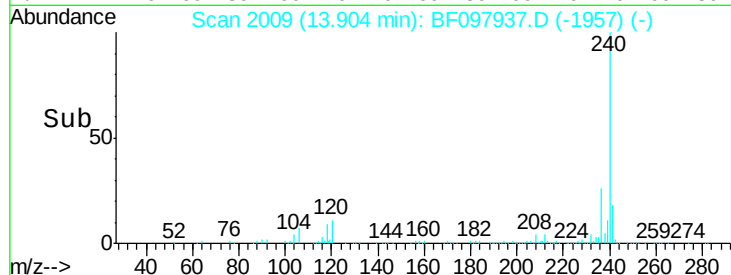
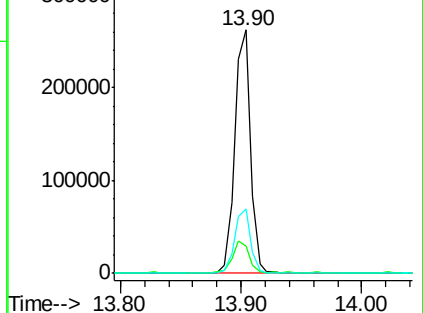
236 26.5 20.5 30.7



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: 2.33 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

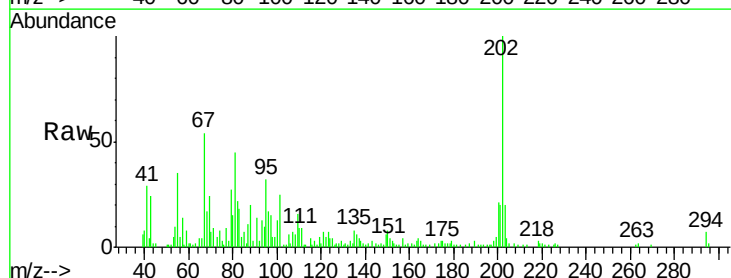
Tgt Ion:202 Resp: 45841

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

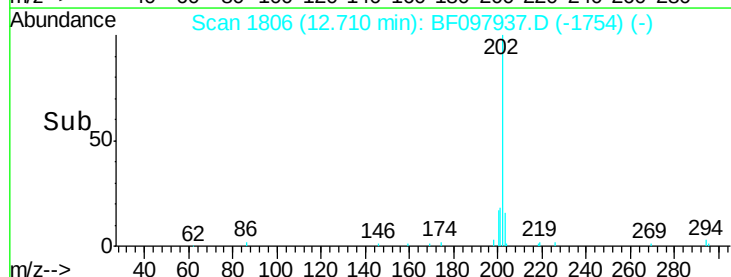
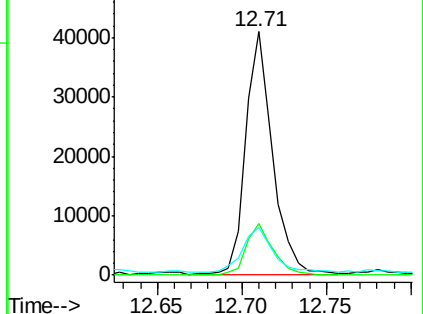
203 19.6 14.4 21.6

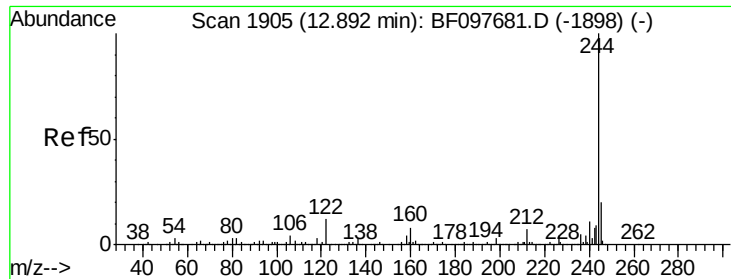


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

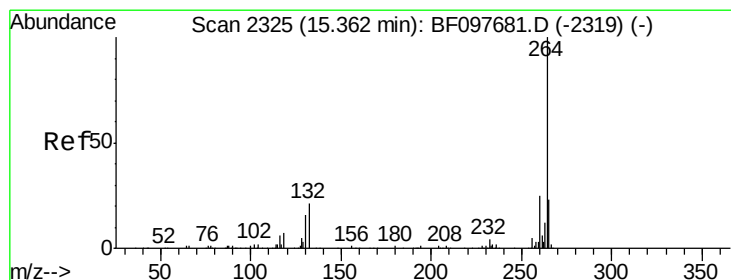
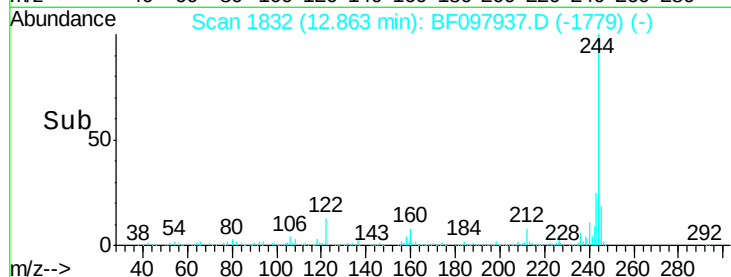
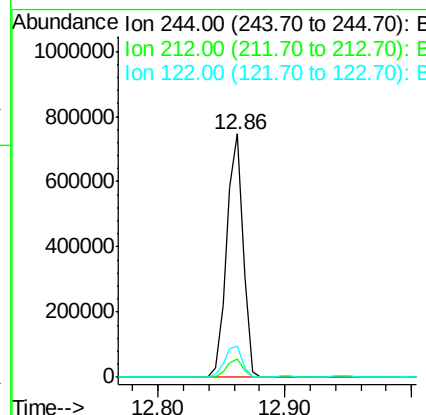
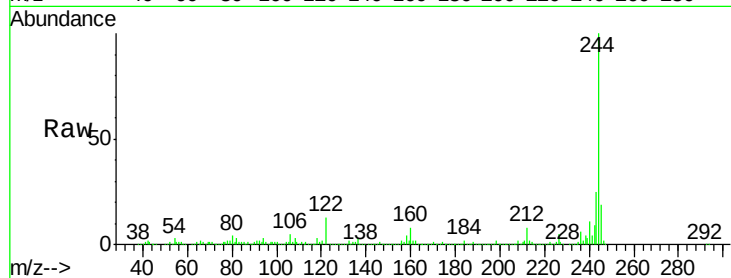




#78
 Terphenyl-d14
 Concen: 58.53 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

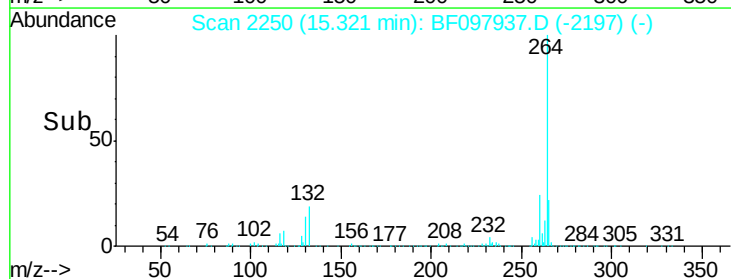
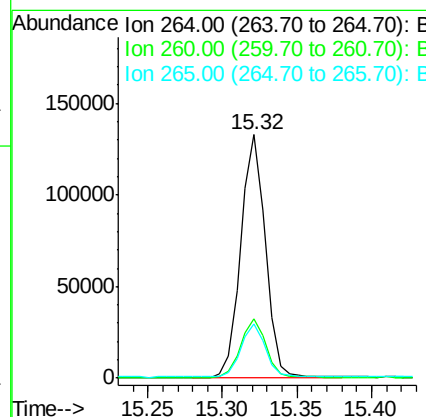
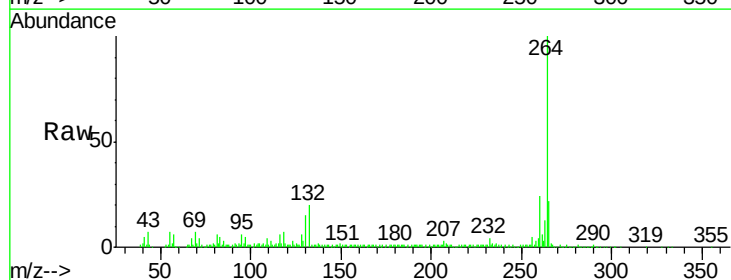
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

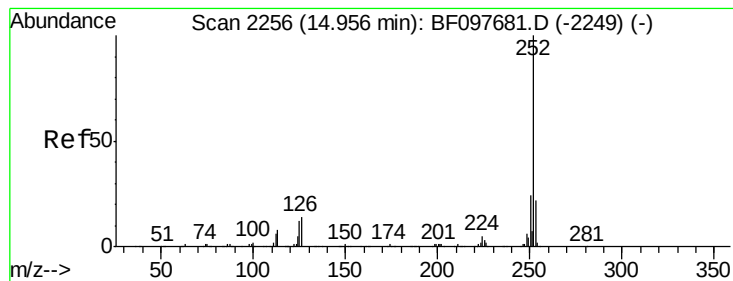
Tot Ion:244 Resp: 676059
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 12.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF097937.D
 Acq: 22 Aug 2017 6:38

Tgt Ion:264 Resp: 154918
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.38 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

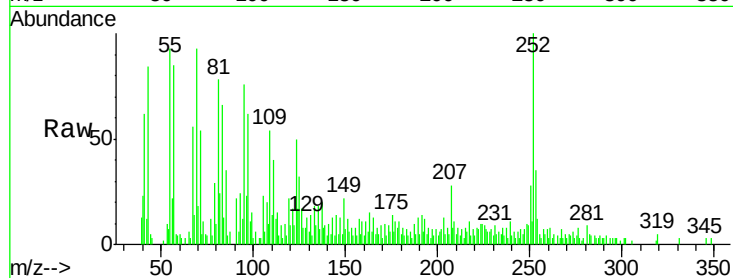
Tot Ion:252 Resp: 23281

Ion Ratio Lower Upper

252 100

253 35.4 18.1 27.1#

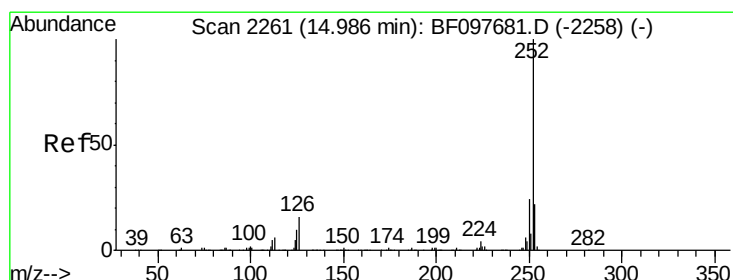
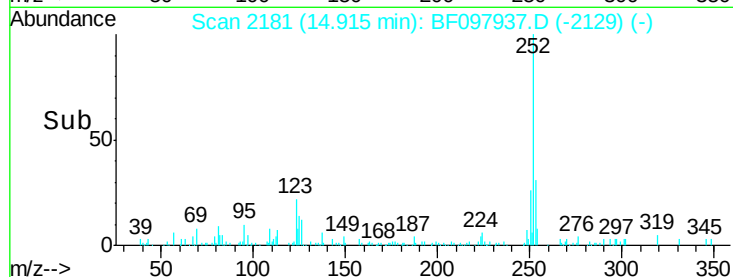
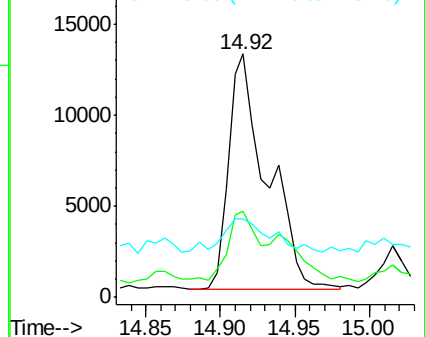
125 32.1 9.8 14.8#



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: 2.54 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.02 min

Lab File: BF097937.D

Acq: 22 Aug 2017 6:38

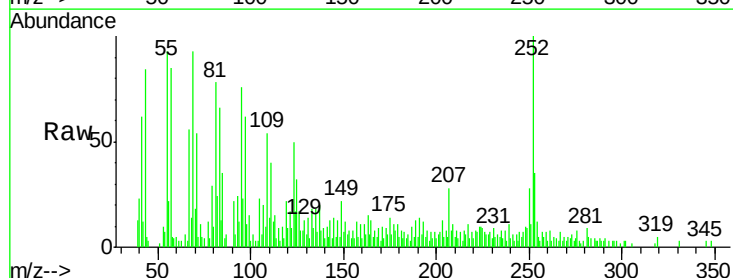
Tgt Ion:252 Resp: 23281

Ion Ratio Lower Upper

252 100

253 35.4 18.4 27.6#

125 32.1 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

