

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097925.D
 Acq On : 22 Aug 2017 00:30
 Operator : SJ/JU
 Sample : I4875-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Quant Time: Aug 22 04:10:09 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

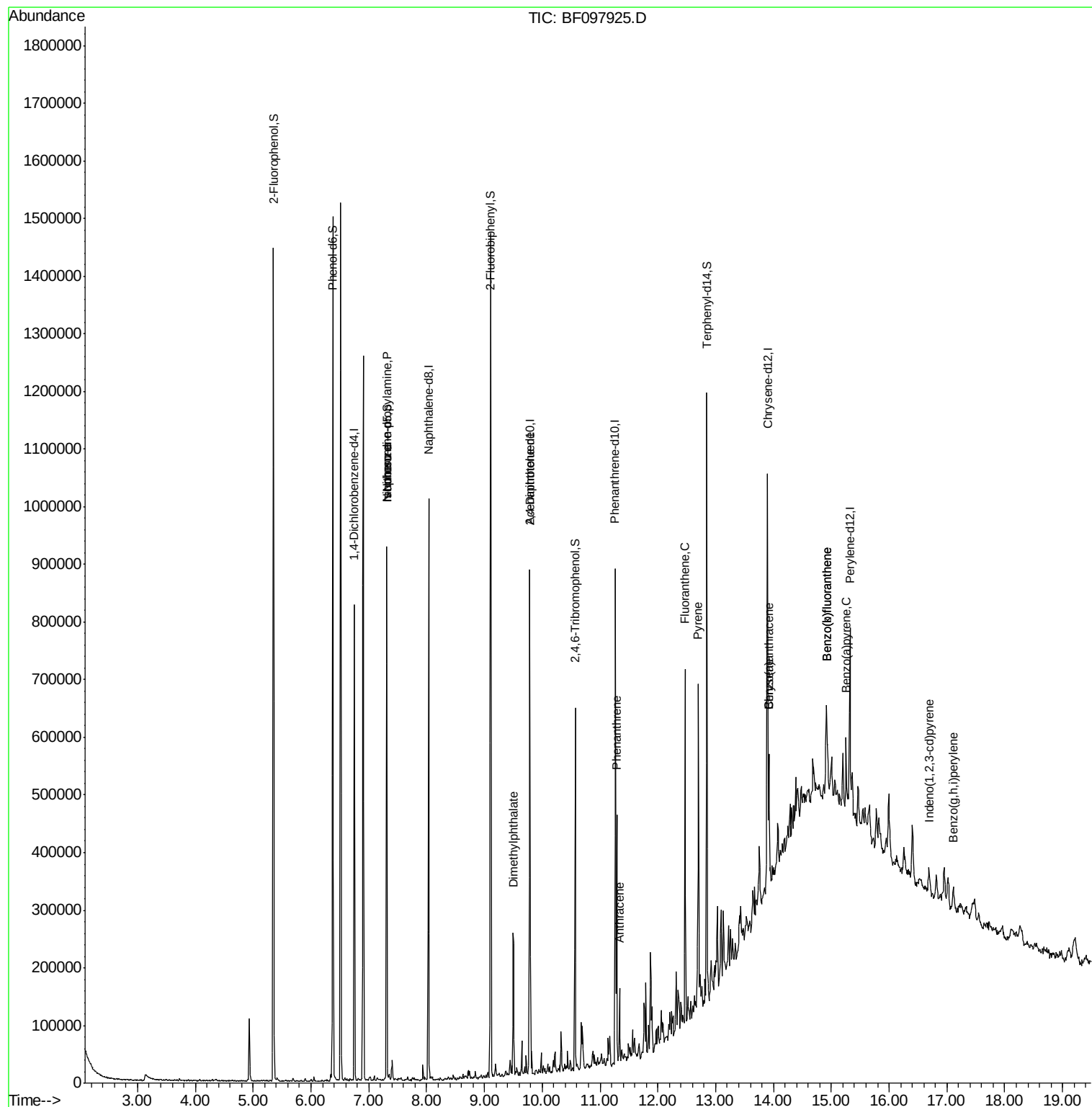
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	113010	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	419616	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	159496	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	263050	20.00	ng	0.00
75) Chrysene-d12	13.90	240	222686	20.00	ng	0.00
86) Perylene-d12	15.32	264	147717	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	372113	50.09	ng	0.00
7) Phenol-d6	6.38	99	495022	49.04	ng	0.00
23) Nitrobenzene-d5	7.31	82	287793	37.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	61227	44.24	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	431363	39.74	ng	0.00
78) Terphenyl-d14	12.85	244	312627	29.28	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	39385	5.70	ng	# 72
25) Isophorone	7.31	82	281238	17.51	ng	# 67
49) Dimethylphthalate	9.50	163	84983	7.29	ng	97
56) 2,4-Dinitrotoluene	9.78	165	20031	6.86	ng	# 33
70) Phenanthrene	11.29	178	135307	9.65	ng	98
71) Anthracene	11.34	178	43482	3.06	ng	98
74) Fluoranthene	12.47	202	218763	14.95	ng	99
77) Pyrene	12.70	202	225831	12.40	ng	98
80) Benzo(a)anthracene	13.92	228	86651	6.49	ng	94
82) Chrysene	13.92	228	86651	6.53	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	26619	2.73	ng	96
87) Benzo(b)fluoranthene	14.92	252	97218	10.44	ng	# 90
88) Benzo(k)fluoranthene	14.92	252	97218	11.11	ng	95
89) Benzo(a)pyrene	15.26	252	53816	6.53	ng	# 89
91) Benzo(a,h,i)perylene	17.11	276	27763	3.96	ng	94

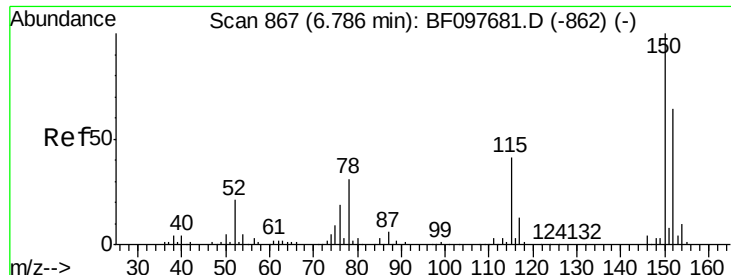
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-C

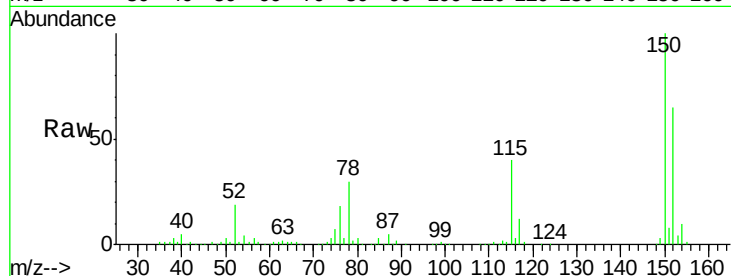
Tot Ion:152 Resp: 113010

Ion Ratio Lower Upper

152 100

150 155.0 126.2 189.2

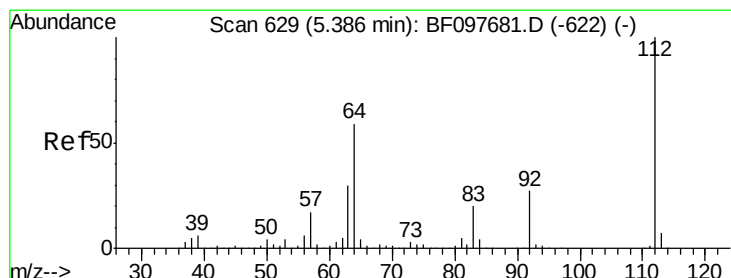
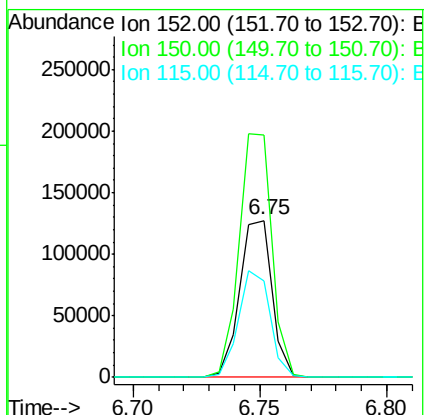
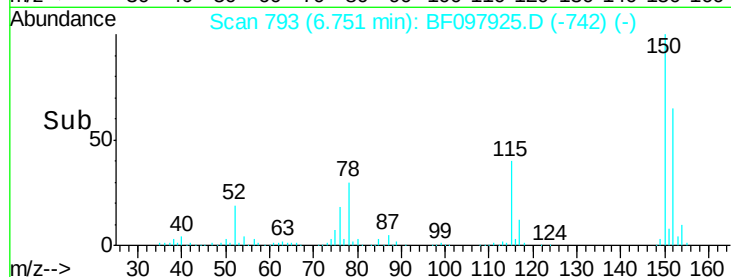
115 61.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 50.09 ng

RT: 5.35 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

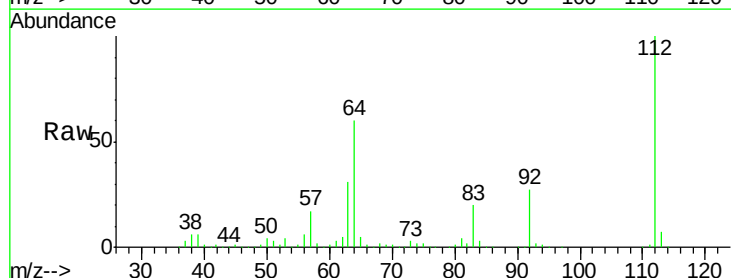
Tgt Ion:112 Resp: 372113

Ion Ratio Lower Upper

112 100

64 59.5 46.0 69.0

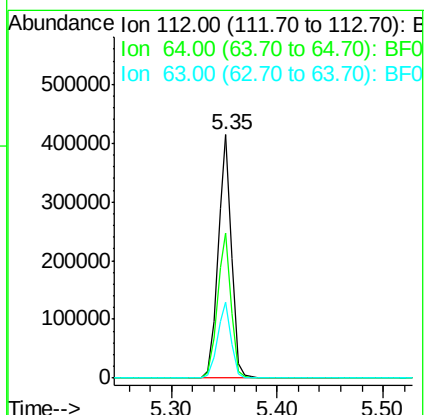
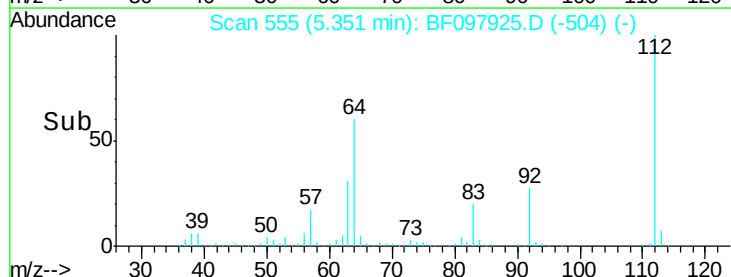
63 31.2 23.4 35.0

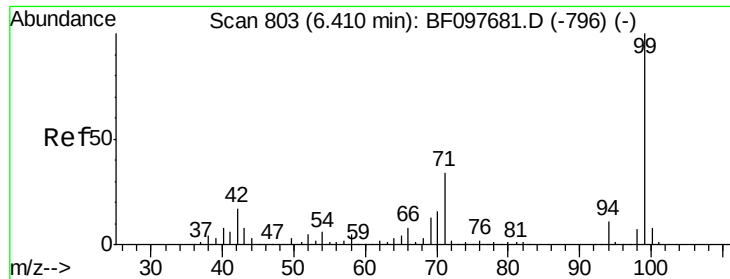


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.04 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

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CL-02-081717-C

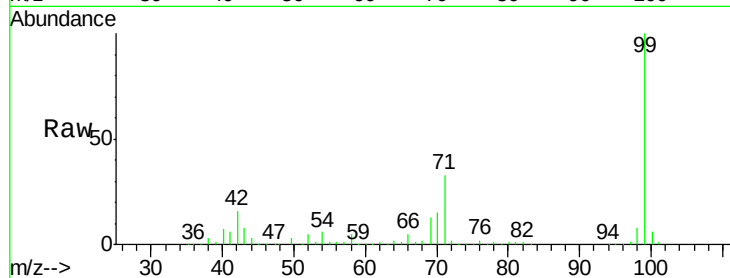
Tot Ion: 99 Resp: 495022

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

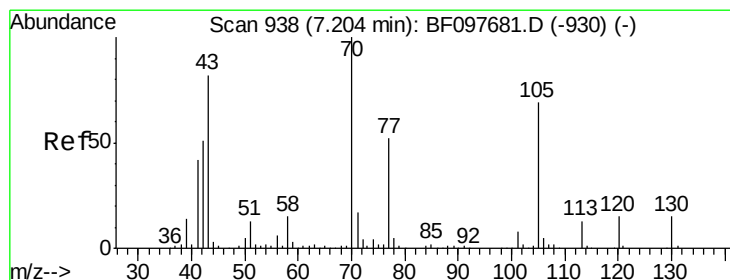
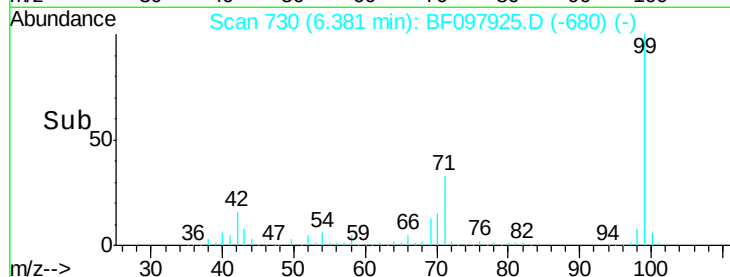
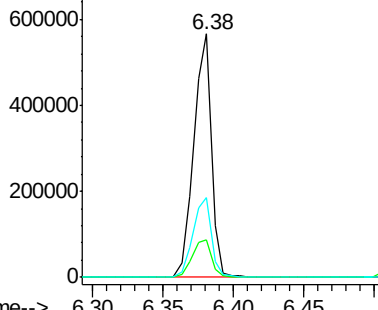
71 32.8 24.5 36.7



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: 5.70 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Tgt Ion: 70 Resp: 39385

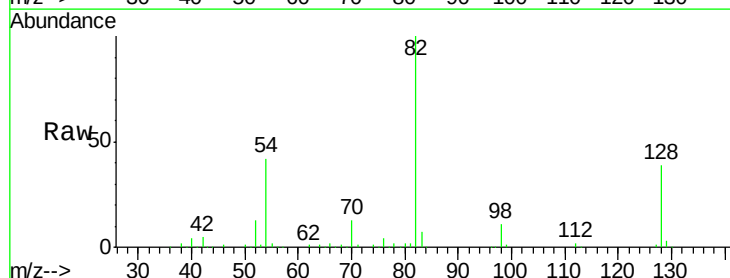
Ion Ratio Lower Upper

70 100

42 40.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.5 15.9 23.9#

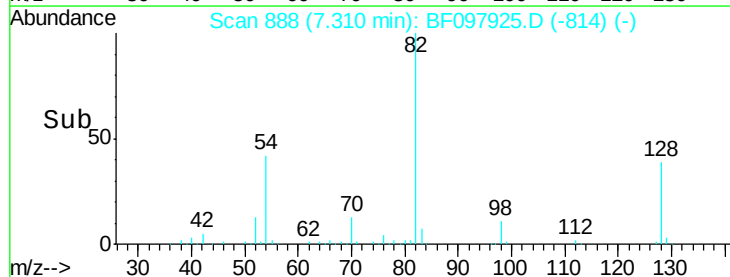
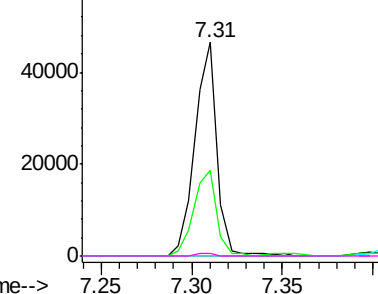


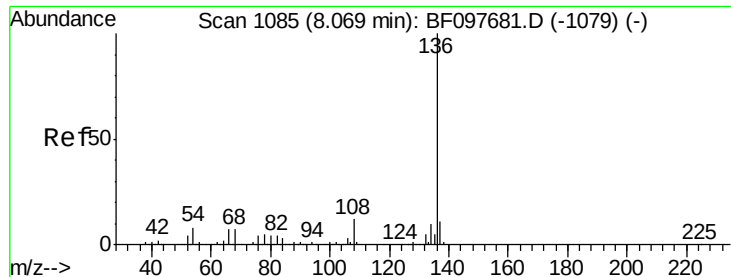
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-C

Tot Ion:136 Resp: 419616

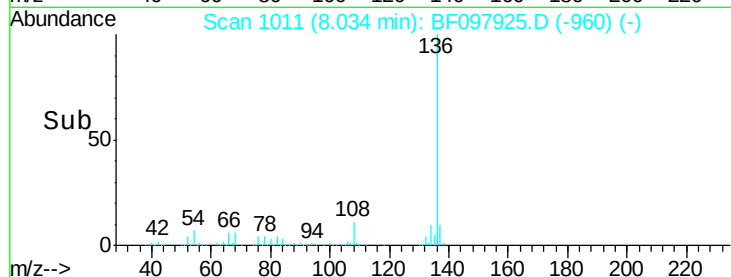
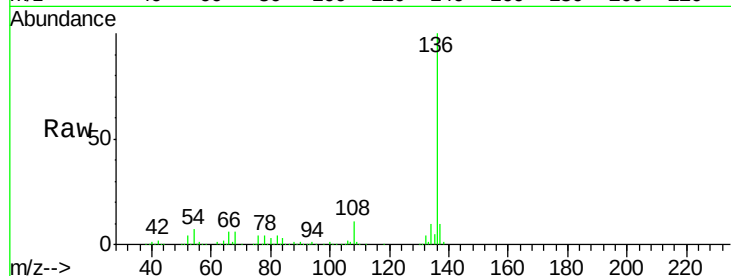
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 6.5 4.1 6.1#

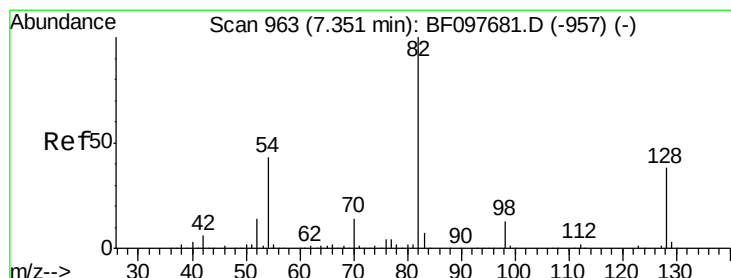
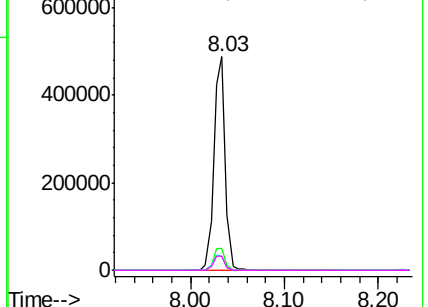


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 37.26 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

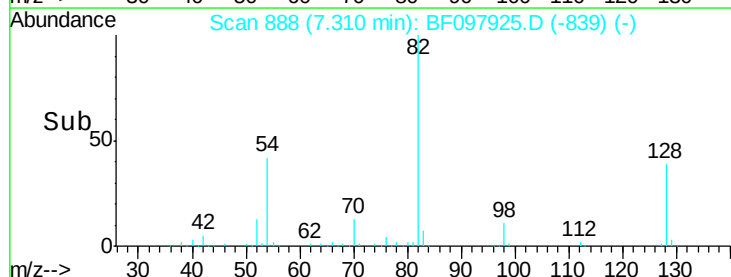
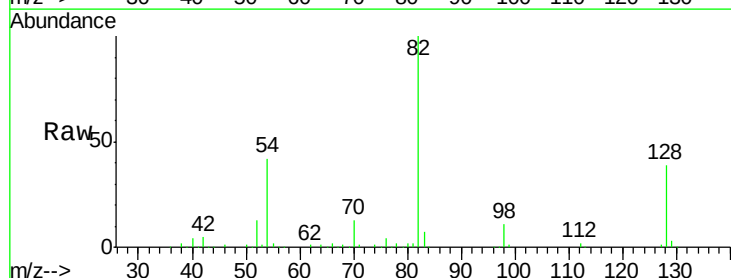
Tgt Ion: 82 Resp: 287793

Ion Ratio Lower Upper

82 100

128 38.5 34.0 51.0

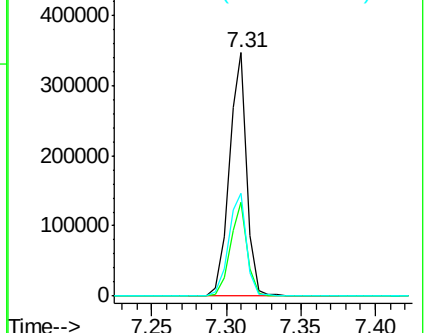
54 42.1 42.2 63.2#

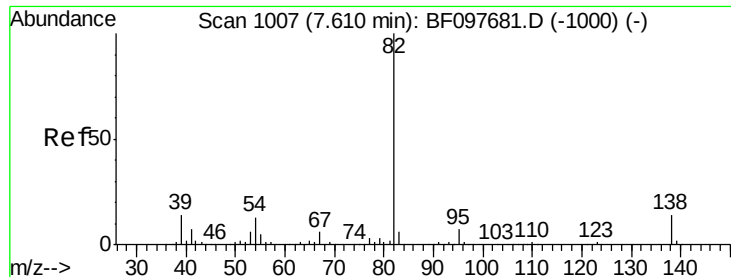


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

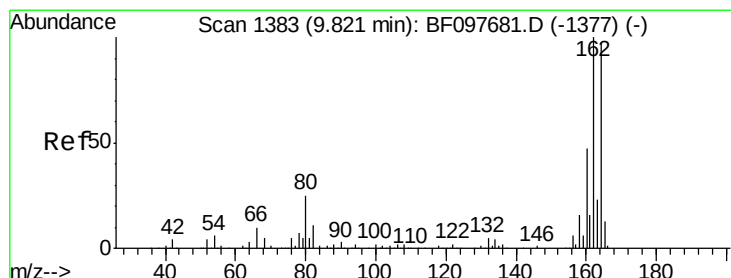
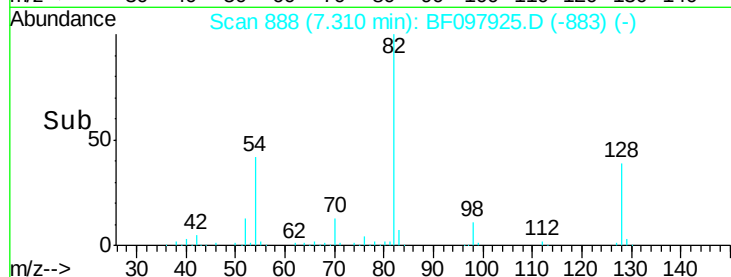
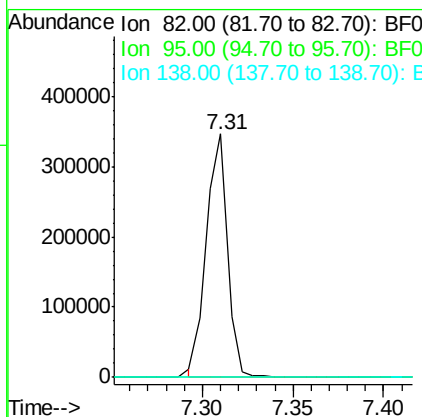
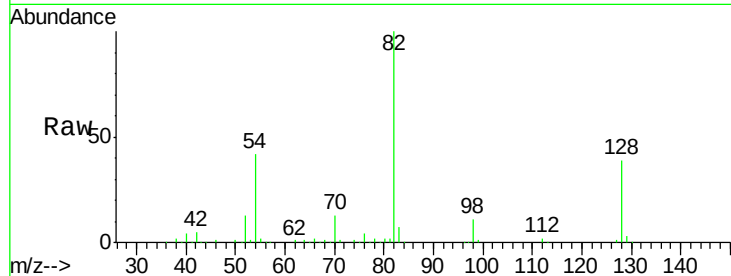




#25
Isophorone
Concen: 17.51 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.27 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

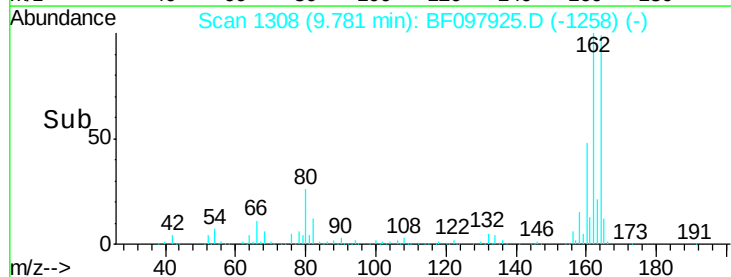
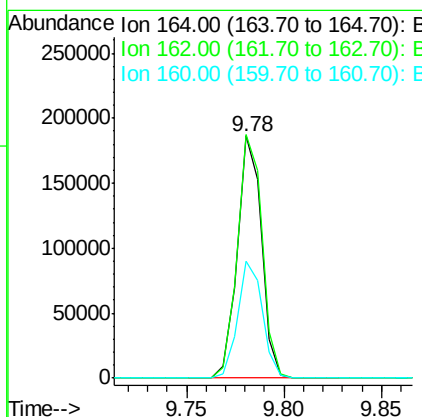
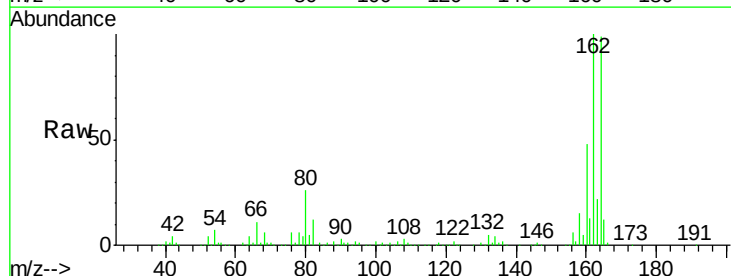
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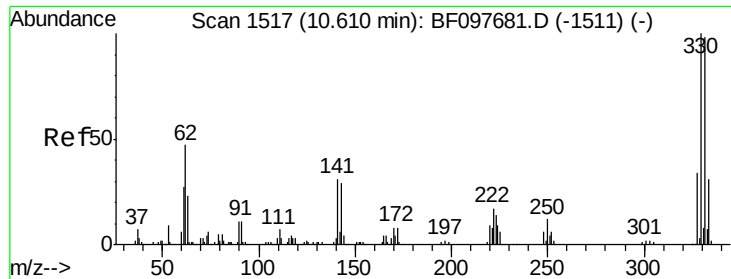
Tot Ion: 82 Resp: 281238
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:164 Resp: 159496
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 48.3 36.2 54.2

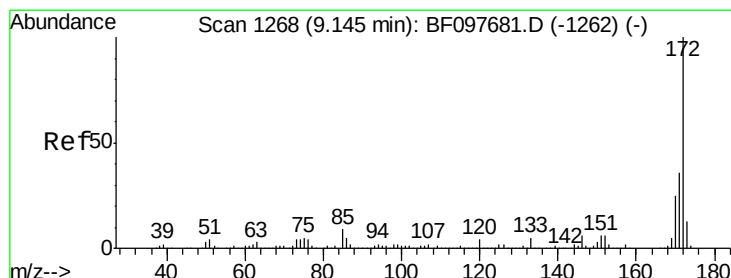
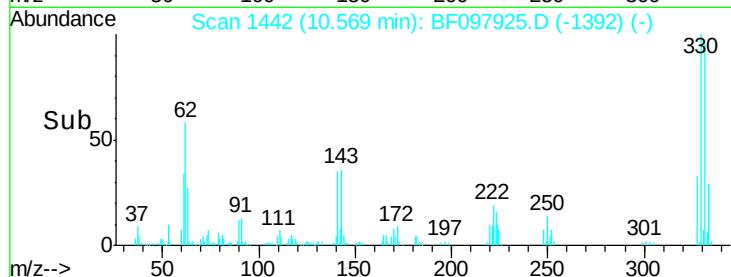
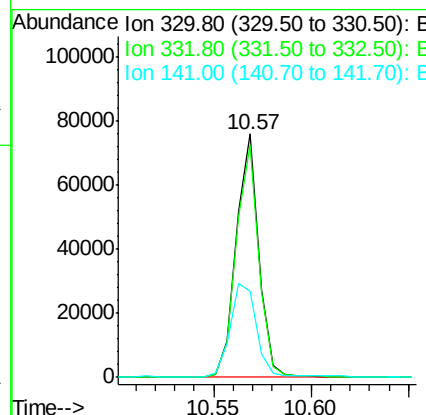
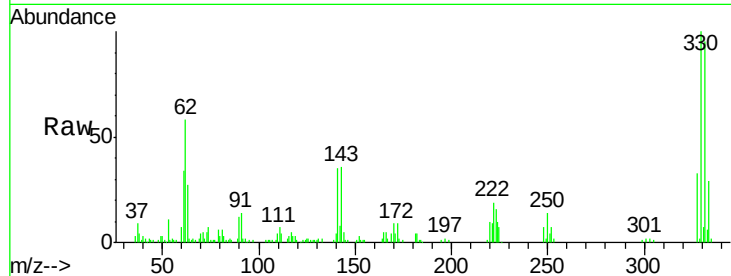




#41
 2,4,6-Tribromophenol
 Concen: 44.24 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

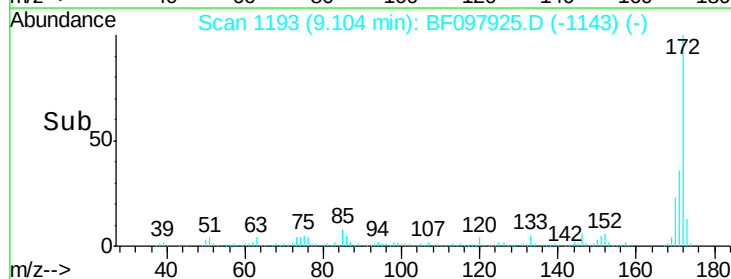
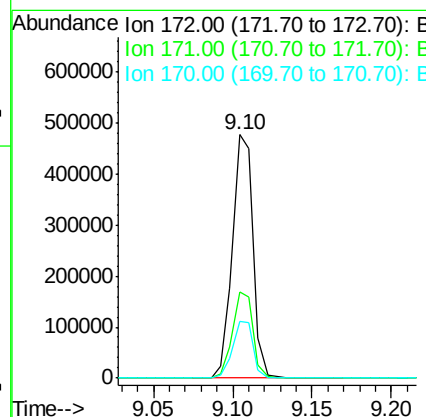
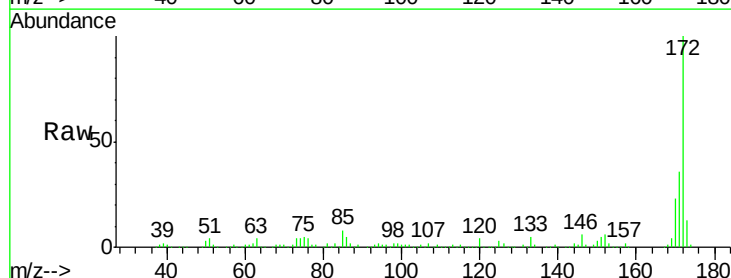
Instrument :
 BNA_F
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 CL-02-081717-C

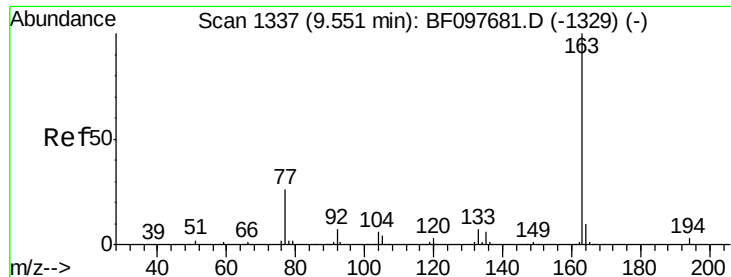
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	45.1	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 39.74 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.5	19.8	29.8

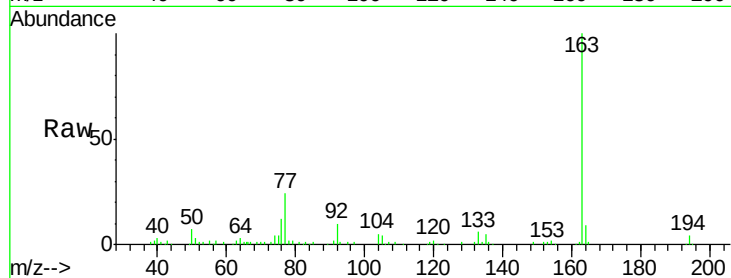




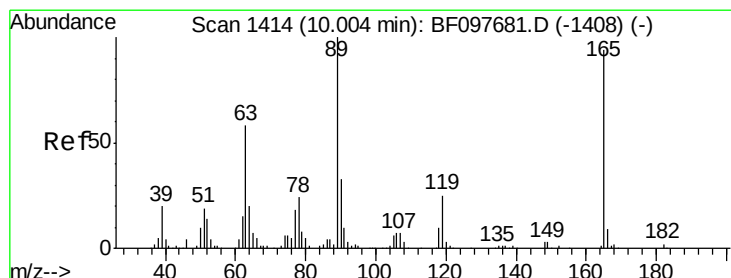
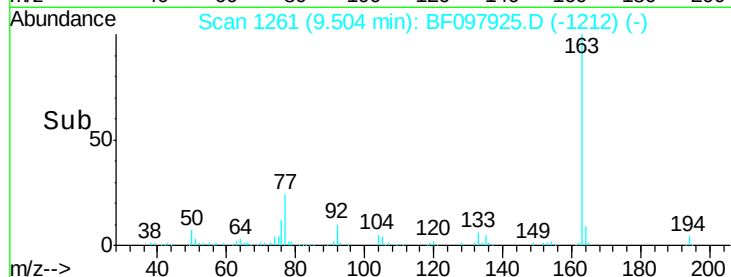
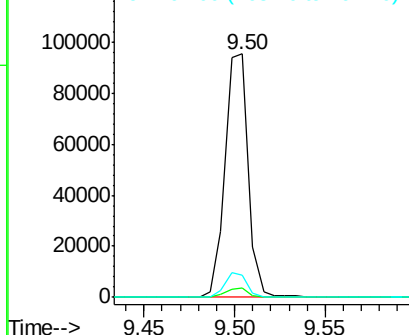
#49
Dimethylphthalate
Concen: 7.29 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion:163 Resp: 84983
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.3 8.4 12.6

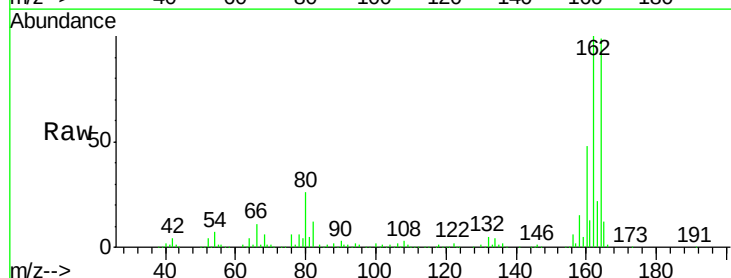


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

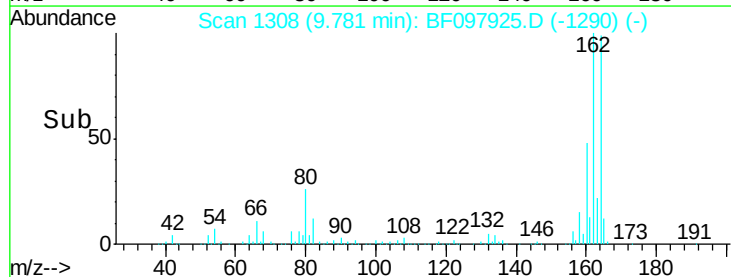
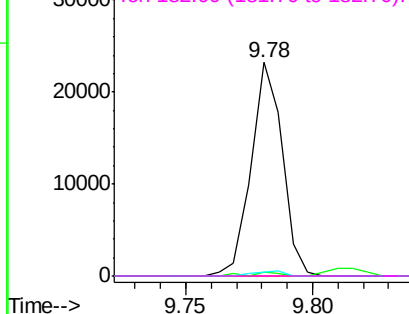


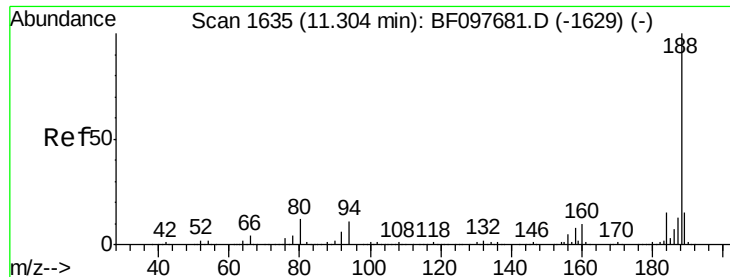
#56
2,4-Dinitrotoluene
Concen: 6.86 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:165 Resp: 20031
Ion Ratio Lower Upper
165 100
63 2.1 25.4 38.0#
89 1.5 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

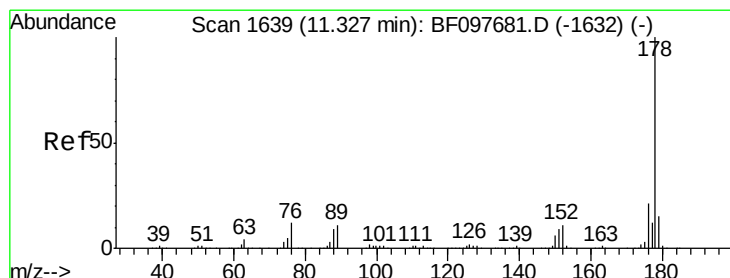
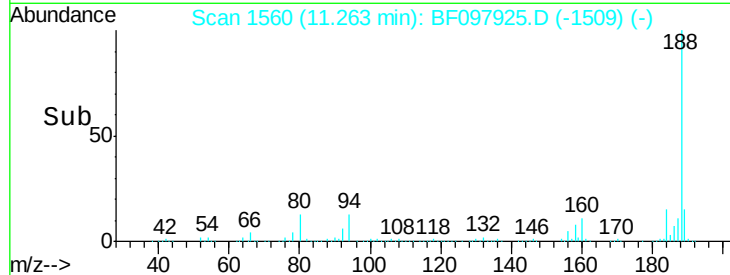
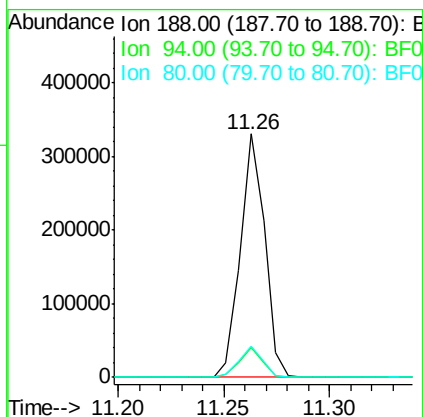
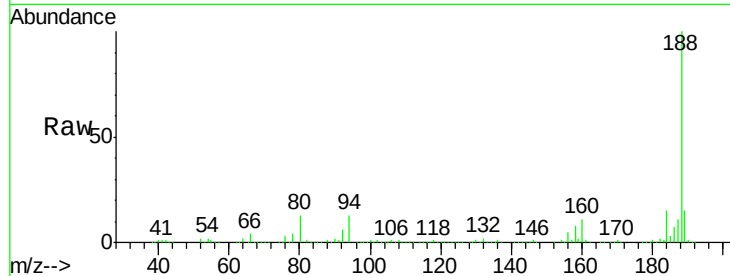




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

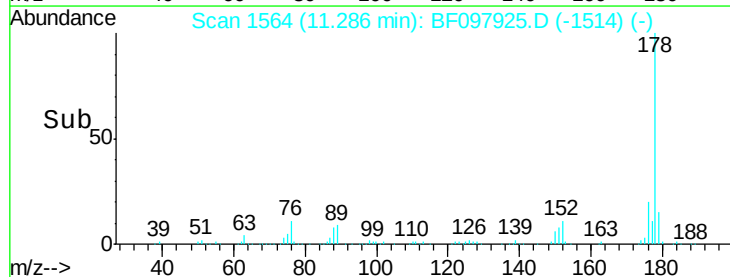
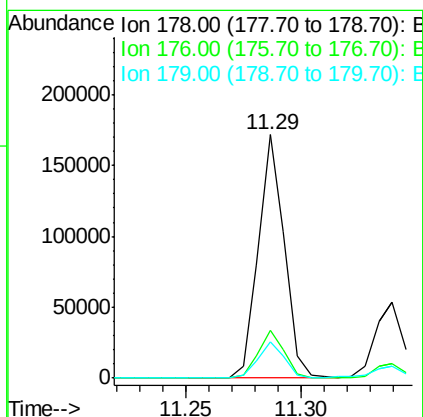
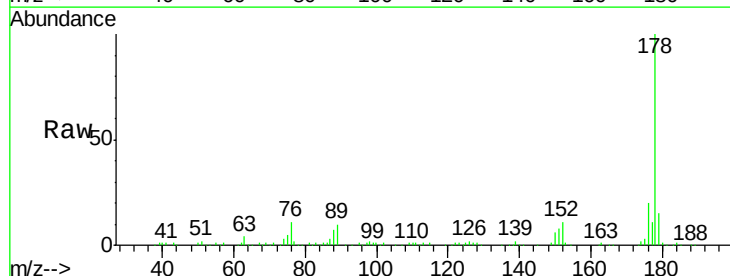
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

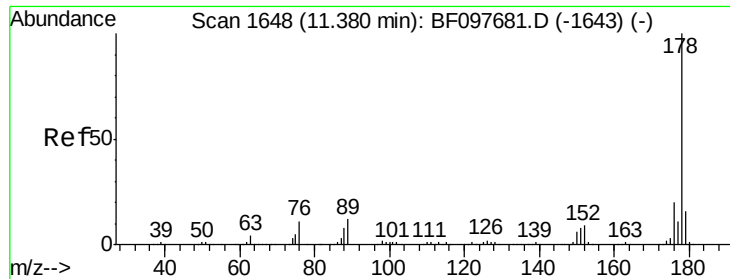
Tot Ion:188 Resp: 263050
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 12.9 10.2 15.2



#70
Phenanthrene
Concen: 9.65 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:178 Resp: 135307
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 14.9 12.6 19.0

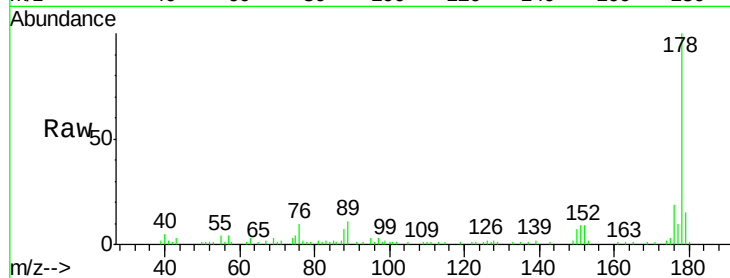




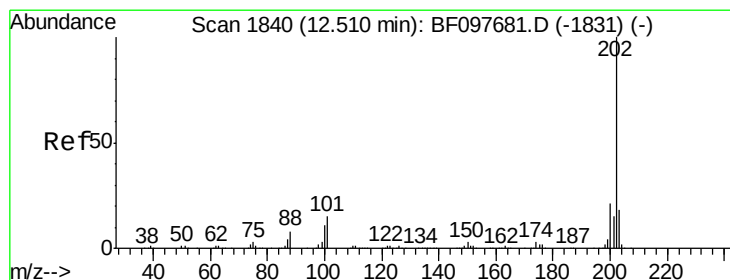
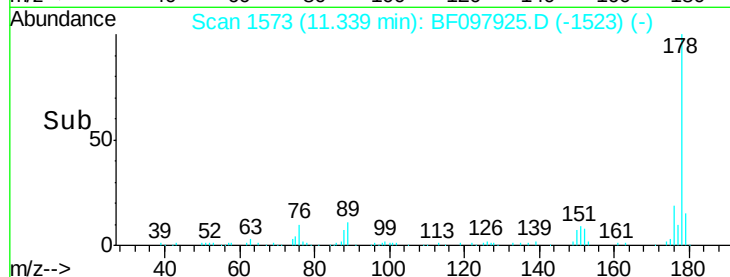
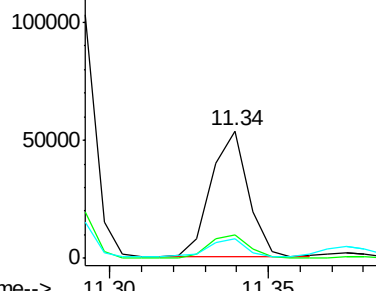
#71
 Anthracene
 Concen: 3.06 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Tot Ion:178 Resp: 43482
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.2 12.7 19.1

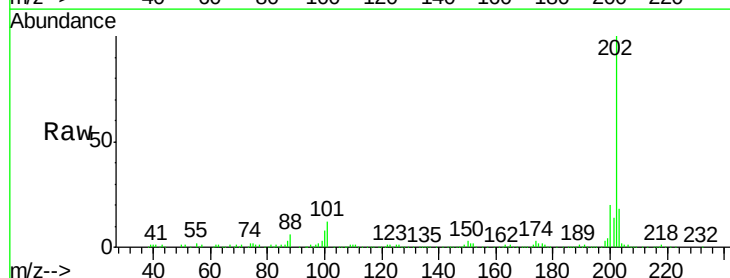


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

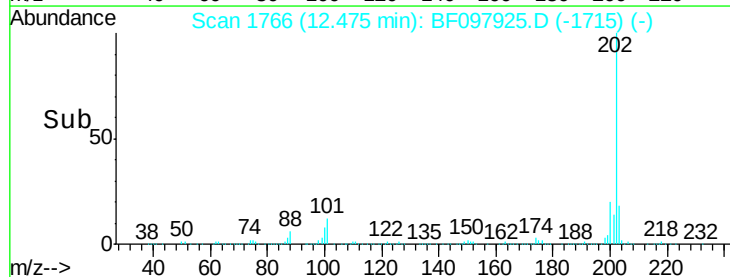
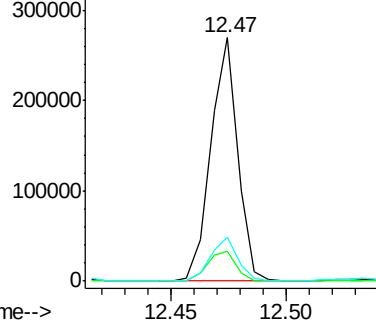


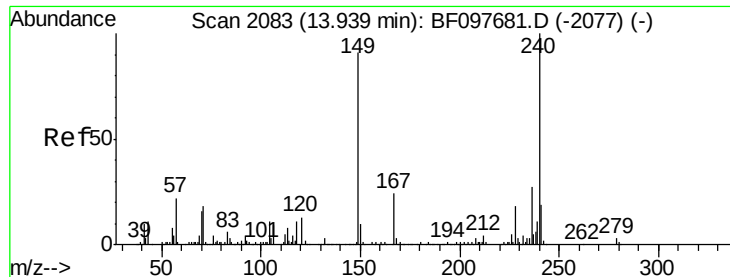
#74
 Fluoranthene
 Concen: 14.95 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion:202 Resp: 218763
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 33.2
 203 18.0 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: 13.90 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-C

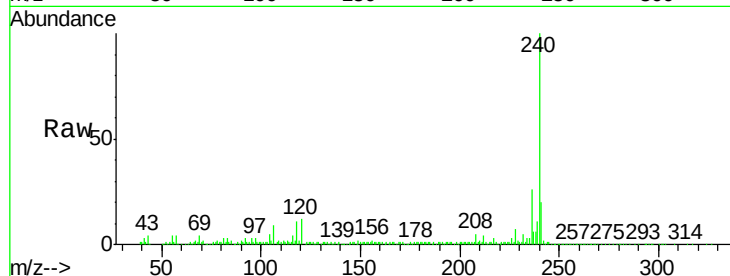
Tot Ion:240 Resp: 222686

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

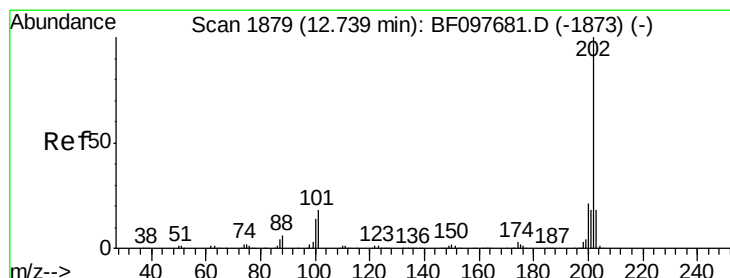
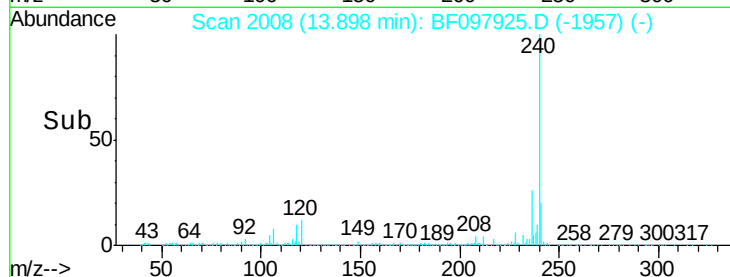
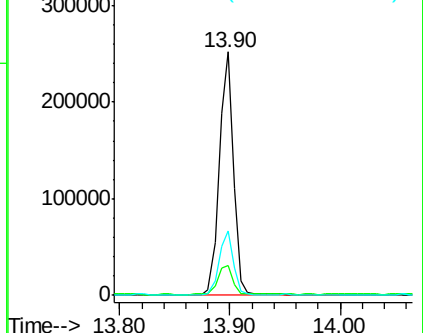
236 26.3 20.5 30.7



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: 12.40 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

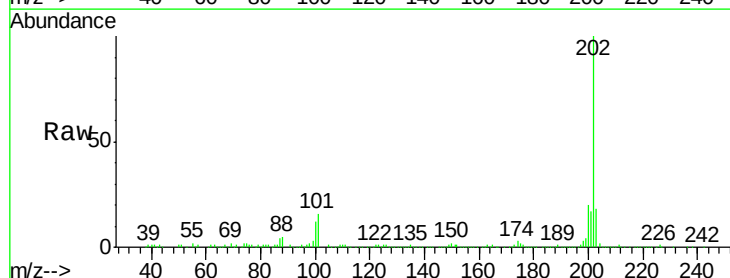
Tgt Ion:202 Resp: 225831

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

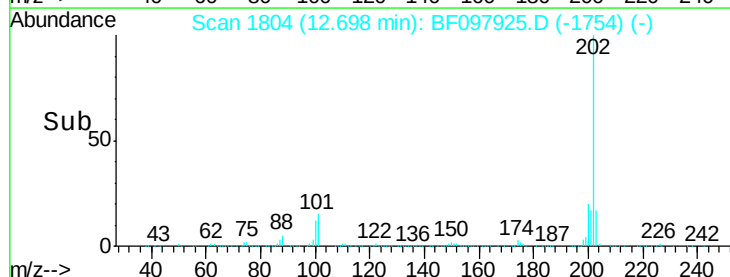
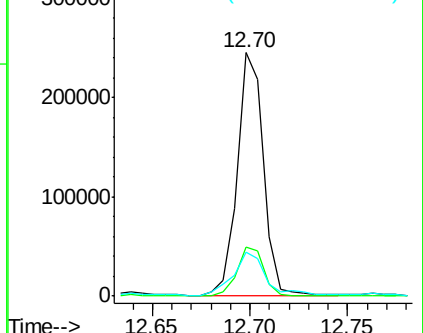
203 17.9 14.4 21.6

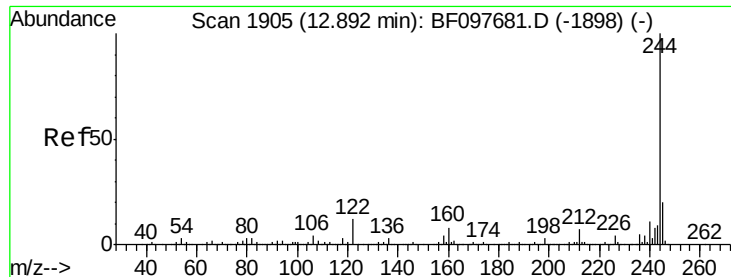


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

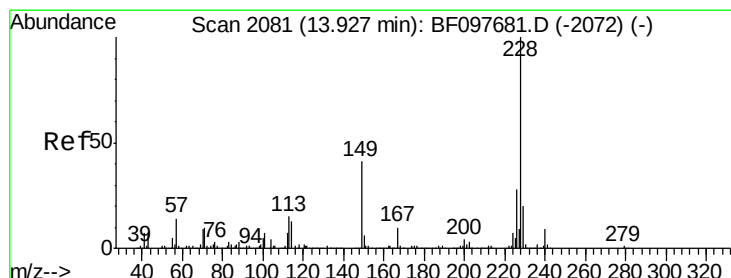
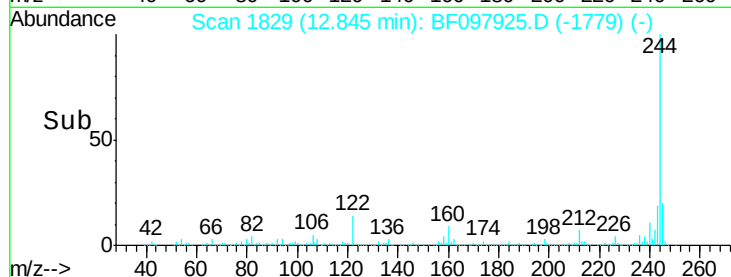
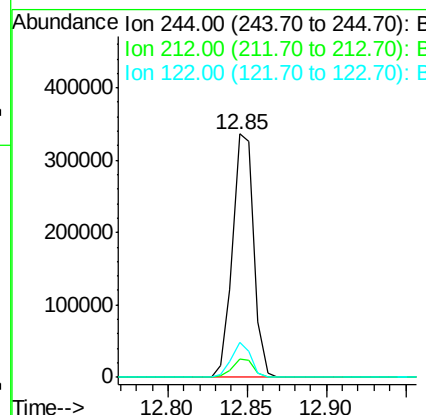
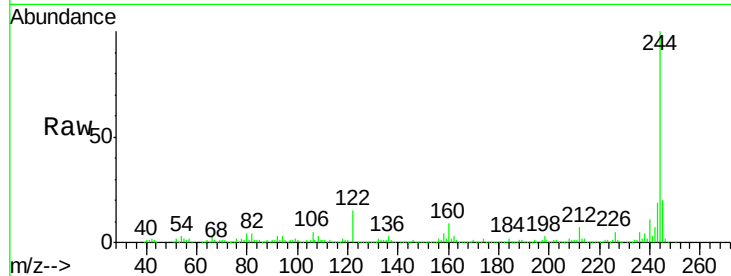




#78
 Terphenyl-d14
 Concen: 29.28 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

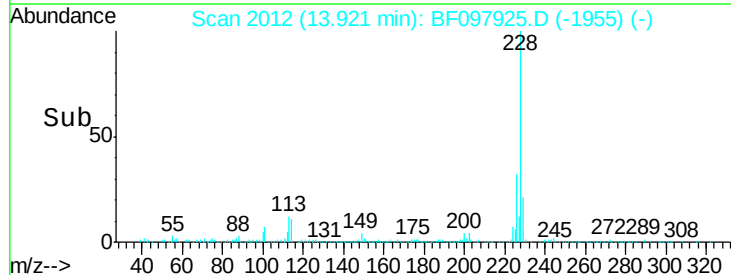
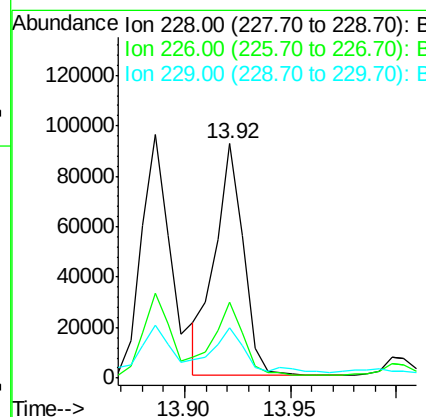
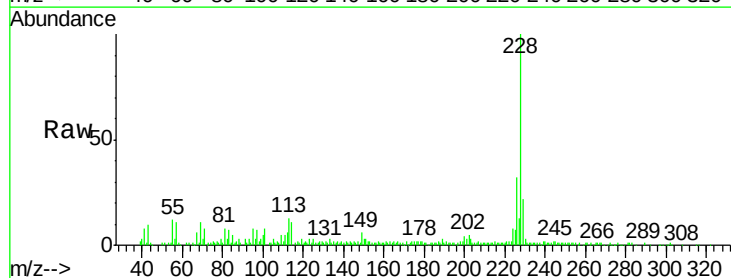
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

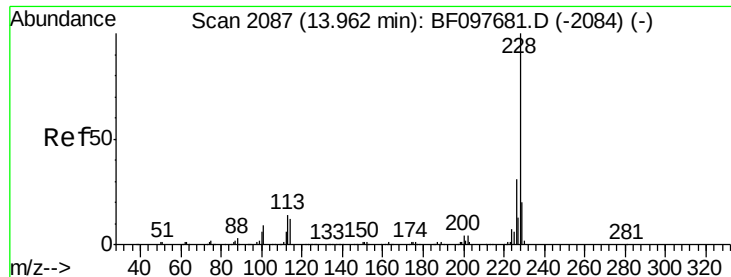
Tot Ion:244 Resp: 312627
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.49 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.04 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion:228 Resp: 86651
 Ion Ratio Lower Upper
 228 100
 226 32.4 22.6 33.8
 229 21.6 16.3 24.5

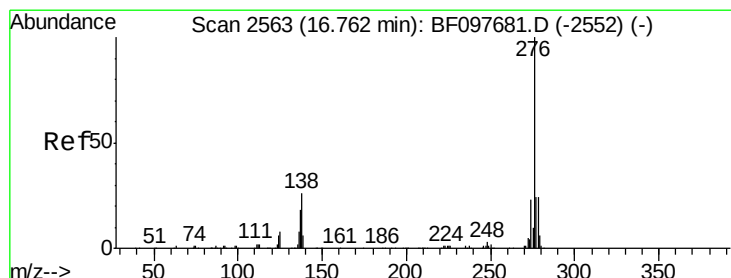
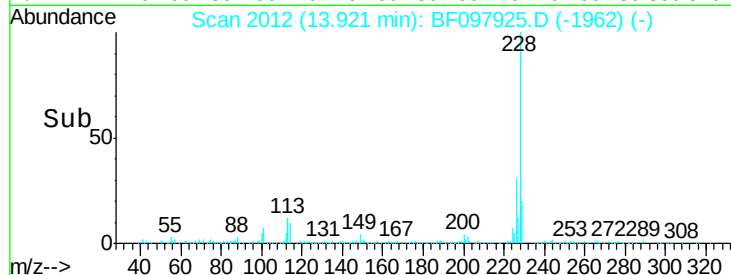
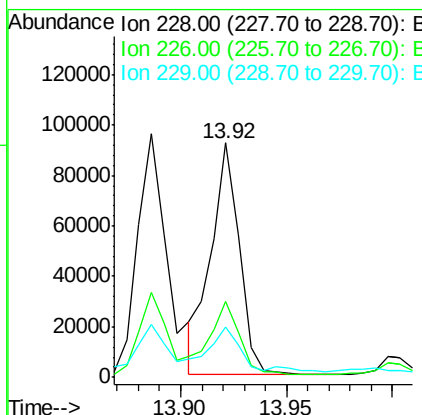
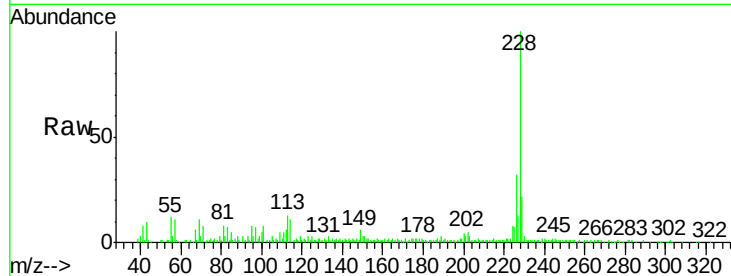




#82
Chrysene
Concen: 6.53 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

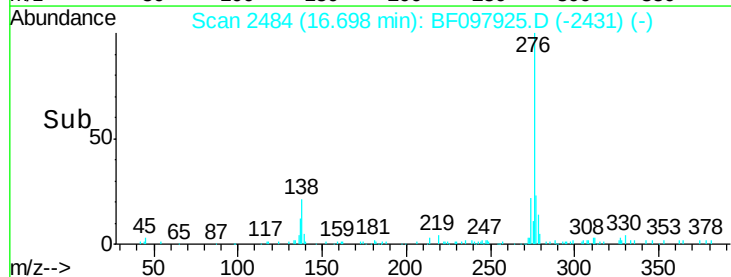
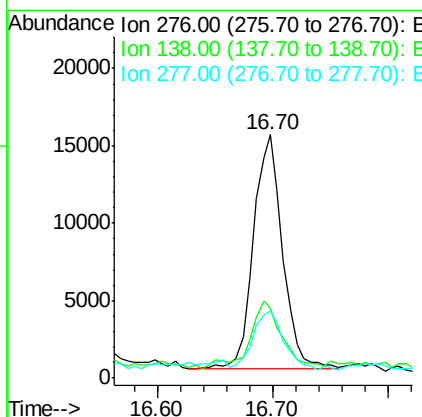
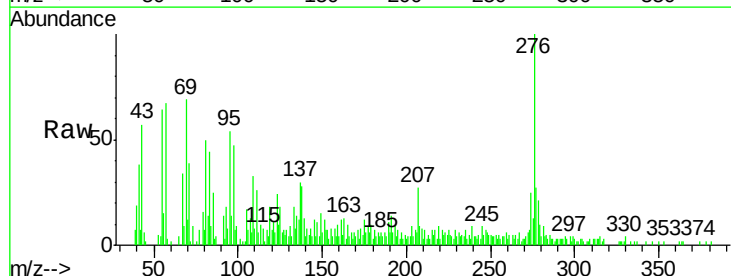
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

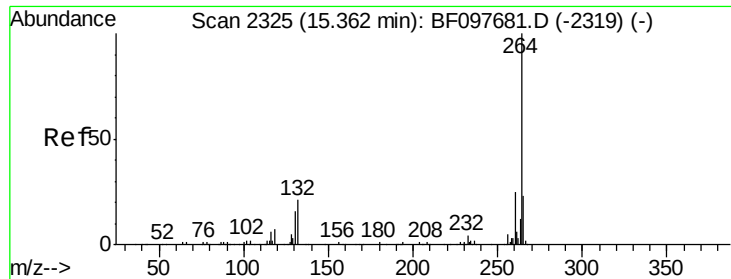
Tot Ion:228 Resp: 86651
Ion Ratio Lower Upper
228 100
226 32.4 24.9 37.3
229 21.6 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.73 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:276 Resp: 26619
Ion Ratio Lower Upper
276 100
138 31.3 27.8 41.6
277 26.2 20.2 30.4



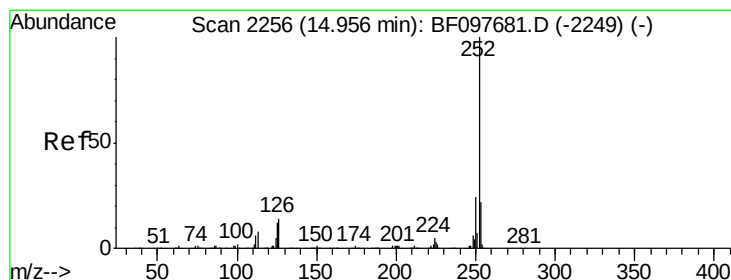
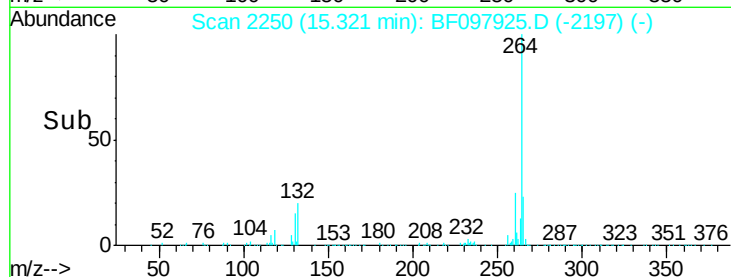
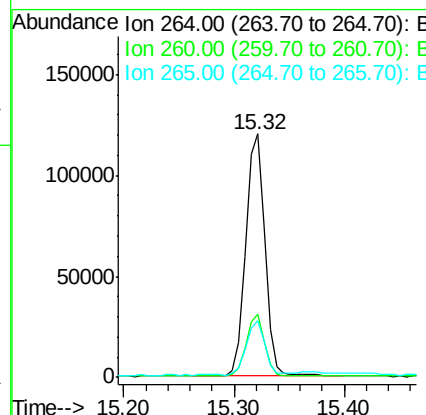
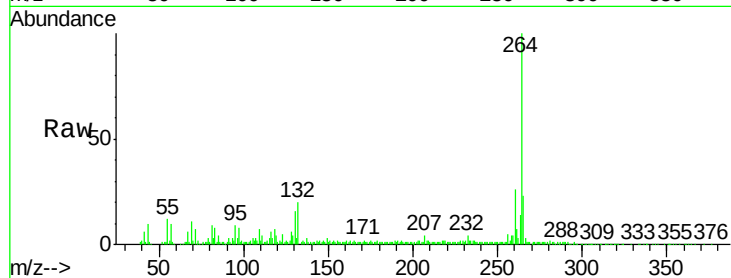


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion:264 Resp: 147717

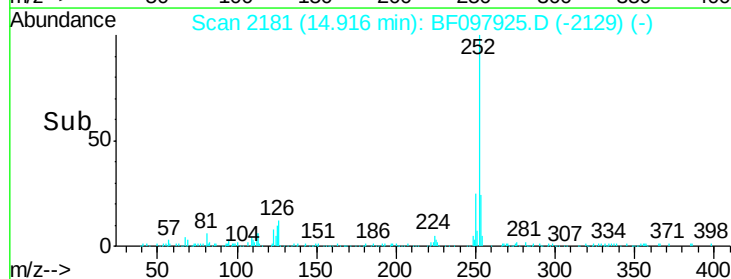
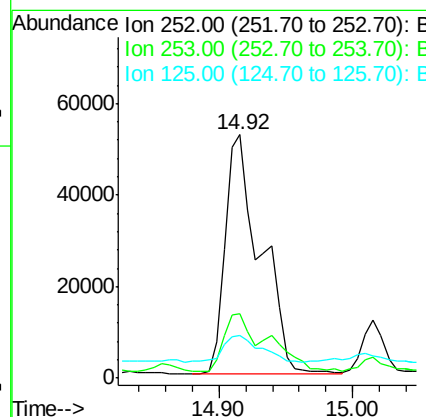
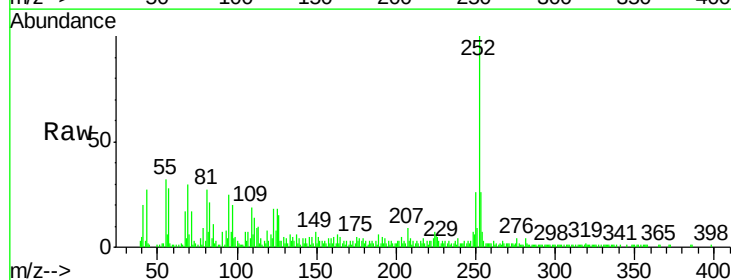
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.5	29.3
265	23.3	17.2	25.8

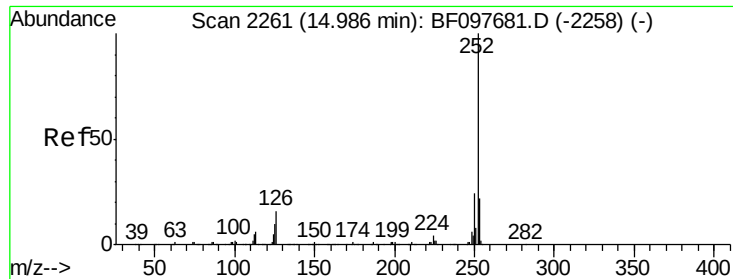


#87
Benzo(b)fluoranthene
Concen: 10.44 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:252 Resp: 97218

Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.1	27.1
125	17.6	9.8	14.8

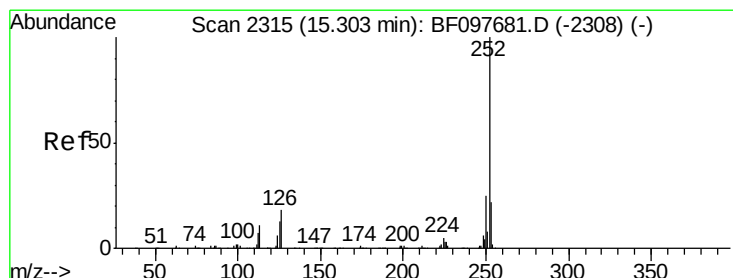
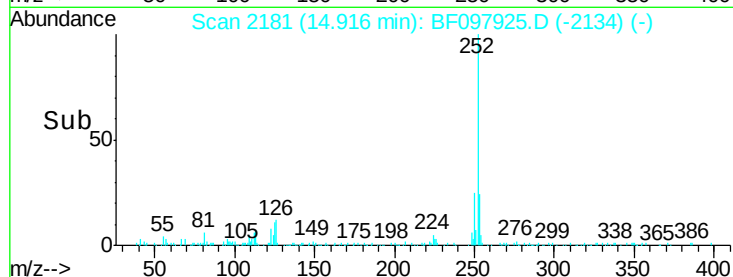
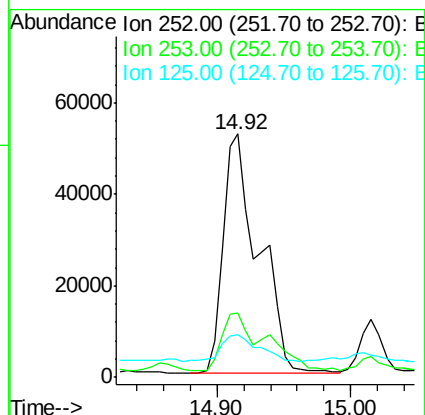
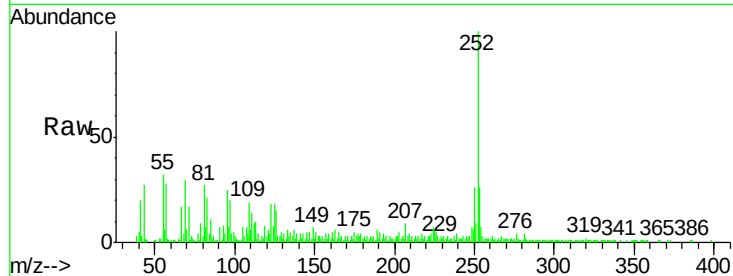




#88
Benzo(k)fluoranthene
Concen: 11.11 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

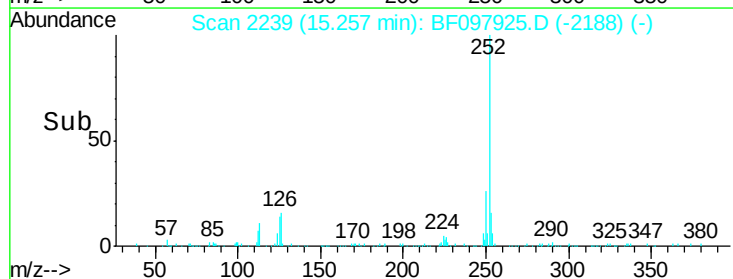
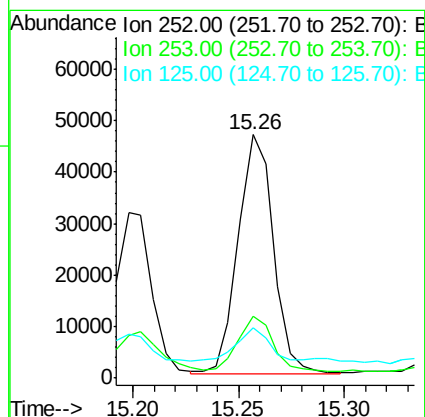
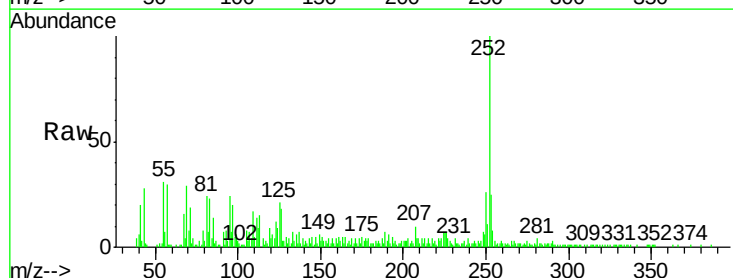
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

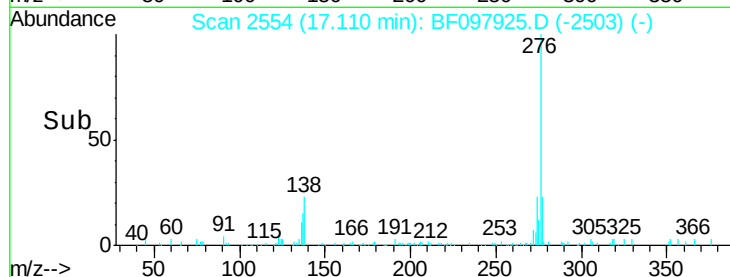
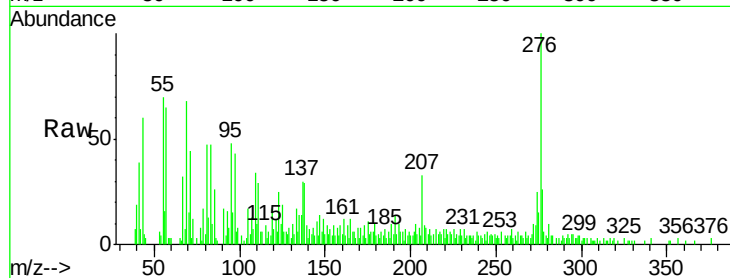
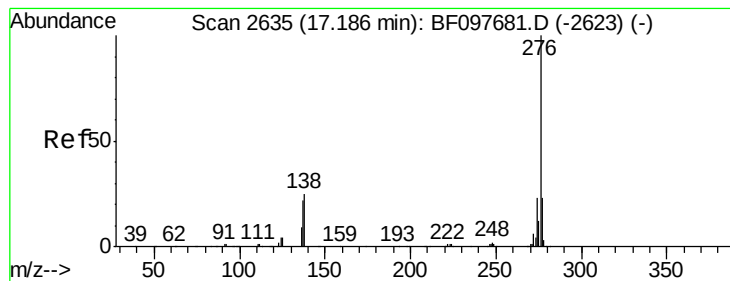
Tot Ion:252 Resp: 97218
Ion Ratio Lower Upper
252 100
253 26.5 18.4 27.6
125 17.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 6.53 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion:252 Resp: 53816
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 20.9 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.96 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-C

Tot Ion: 276 Resp: 27763

Ion Ratio Lower Upper

276 100

277 26.4 18.6 28.0

138 28.5 25.4 38.0

