

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097915.D
 Acq On : 21 Aug 2017 19:51
 Operator : SJ/JU
 Sample : I4875-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

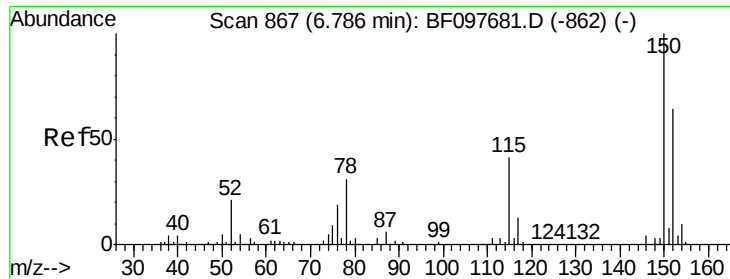
Quant Time: Aug 22 04:00:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	121470	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	459715	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	184755	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	297947	20.00	ng	0.00
75) Chrysene-d12	13.90	240	242592	20.00	ng	0.00
86) Perylene-d12	15.32	264	175036	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	789966	98.92	ng	0.00
7) Phenol-d6	6.39	99	1046135	96.41	ng	0.00
23) Nitrobenzene-d5	7.31	82	649089	76.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	145285	90.63	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	895959	71.25	ng	0.00
78) Terphenyl-d14	12.85	244	592417	50.92	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.39	94	34203	2.70	ng	84
19) n-Nitroso-di-n-propylamine	7.31	70	87382	11.76	ng	# 72
25) Isophorone	7.31	82	634822	36.08	ng	# 67
49) Dimethylphthalate	9.50	163	125187	9.27	ng	98
56) 2,4-Dinitrotoluene	9.78	165	23567	6.97	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	334	8.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	9811	3.17	ng	# 1
70) Phenanthrene	11.29	178	178993	11.27	ng	99
71) Anthracene	11.34	178	56151	3.49	ng	98
74) Fluoranthene	12.47	202	299373	18.07	ng	98
77) Pyrene	12.70	202	308322	15.54	ng	97
80) Benzo(a)anthracene	13.89	228	140295	9.65	ng	95
82) Chrysene	13.92	228	140528	9.72	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	47284	4.44	ng	# 91
87) Benzo(b)fluoranthene	14.91	252	180765	16.38	ng	95
88) Benzo(k)fluoranthene	14.91	252	180765	17.44	ng	95
89) Benzo(a)pyrene	15.26	252	96433	9.87	ng	96
91) Benzo(g,h,i)perylene	17.11	276	46649	5.62	ng	92

(#) = 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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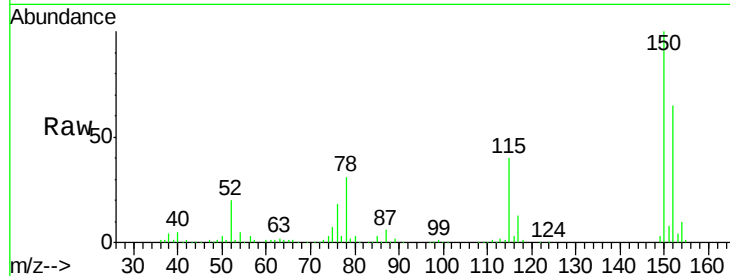
Tot Ion:152 Resp: 121470

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

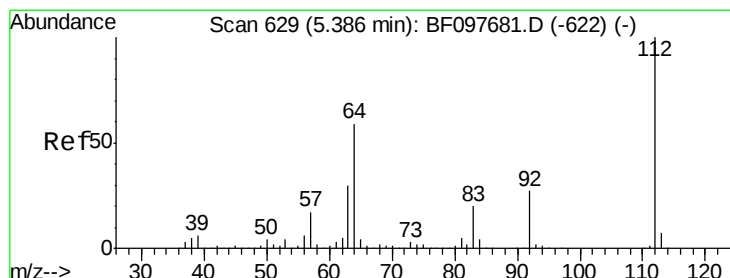
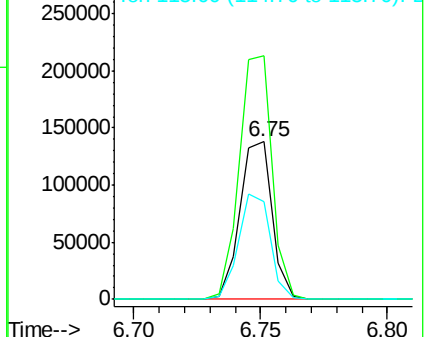
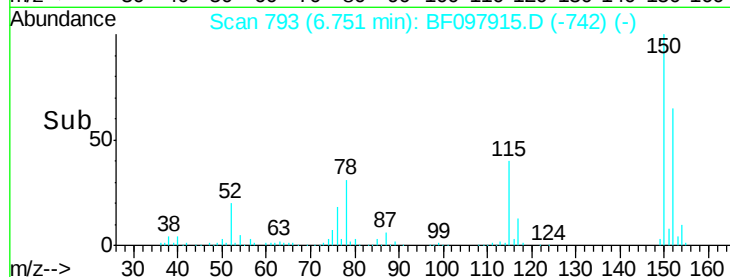
115 62.4 52.2 78.2



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: 98.92 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

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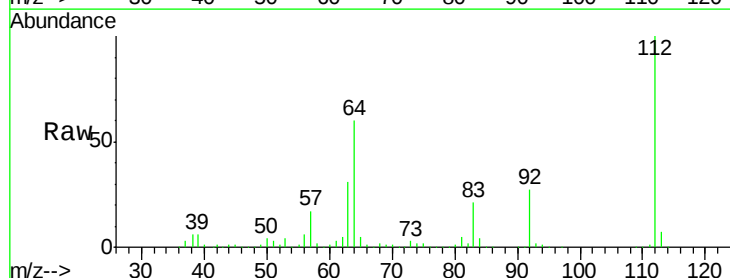
Tgt Ion:112 Resp: 789966

Ion Ratio Lower Upper

112 100

64 59.8 46.0 69.0

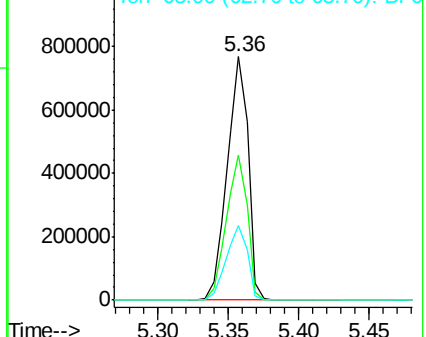
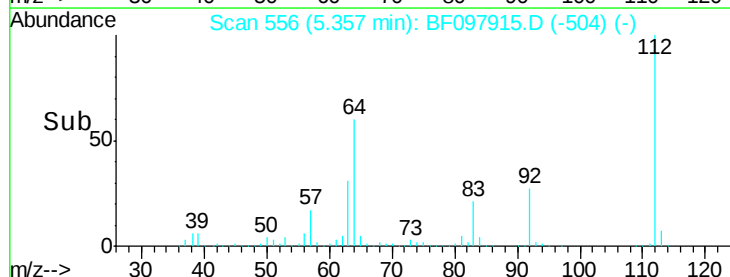
63 30.9 23.4 35.0

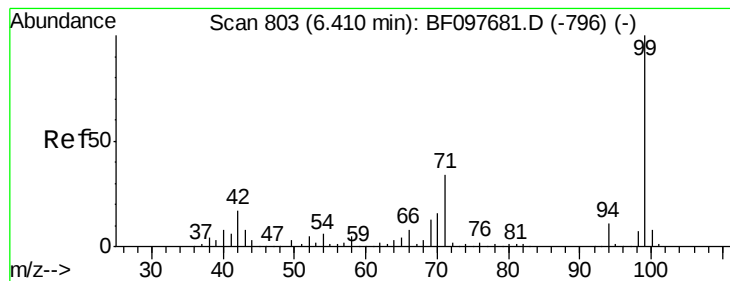


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.41 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097915.D

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CL-02-081717-A

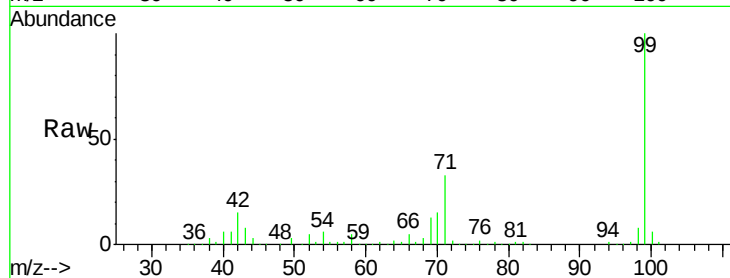
Tot Ion: 99 Resp: 1046135

Ion Ratio Lower Upper

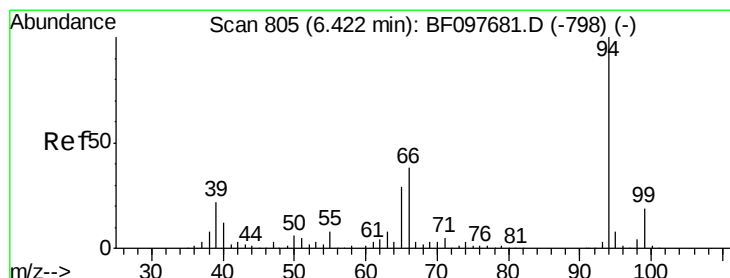
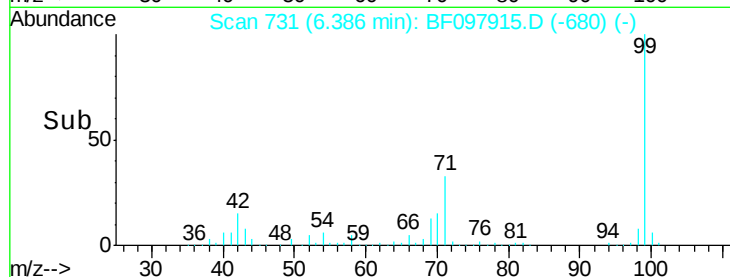
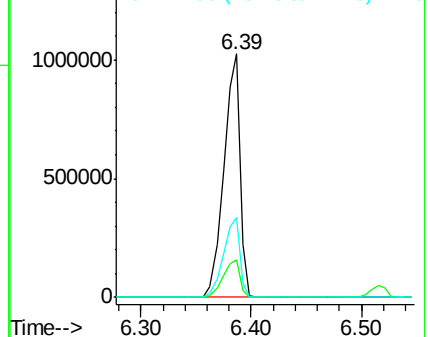
99 100

42 15.4 13.5 20.3

71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.70 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097915.D

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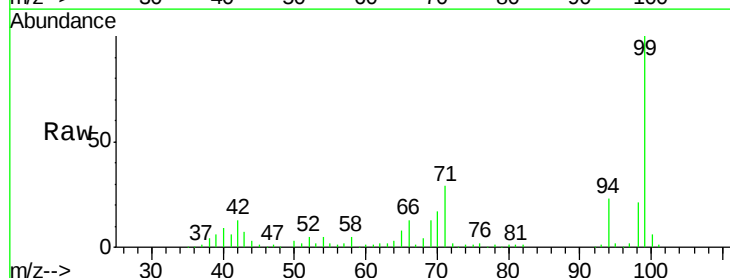
Tgt Ion: 94 Resp: 34203

Ion Ratio Lower Upper

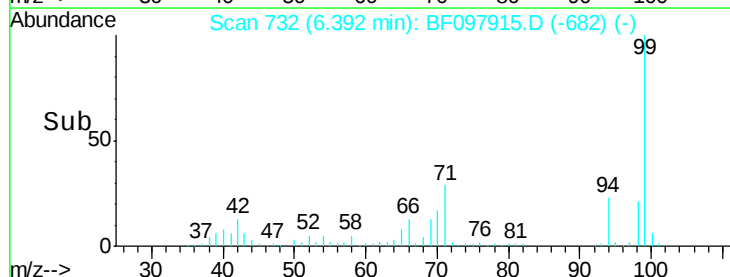
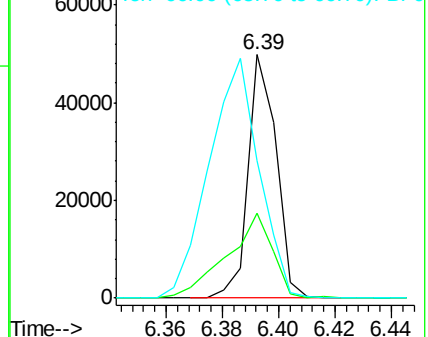
94 100

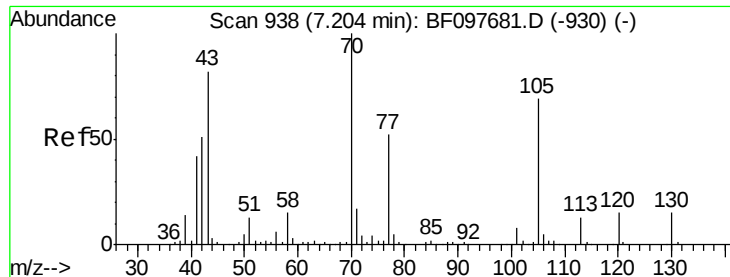
65 34.7 9.9 49.9

66 56.4 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

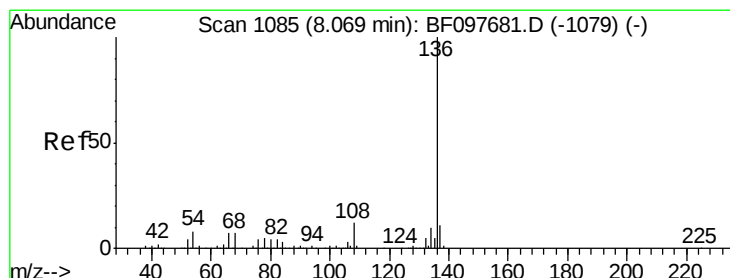
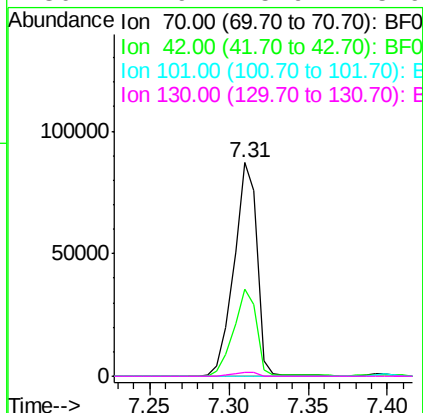
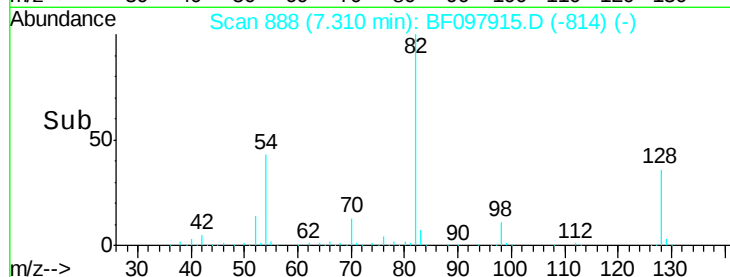
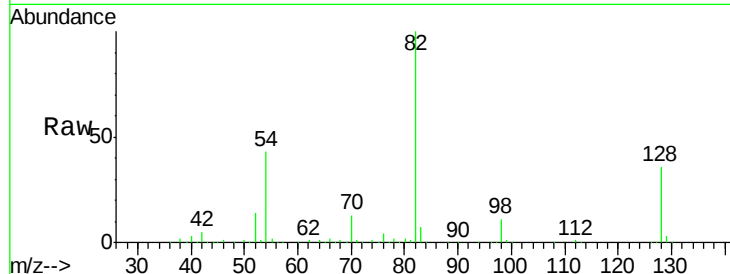




#19
n-Nitroso-di-n-propylamine
Concen: 11.76 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

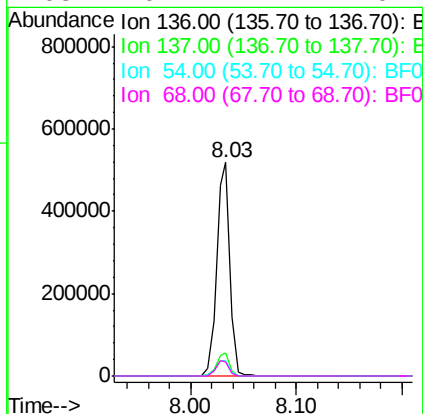
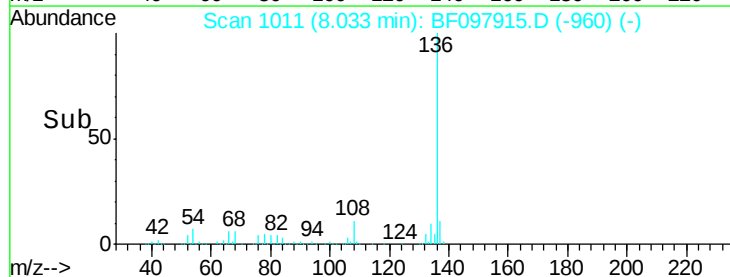
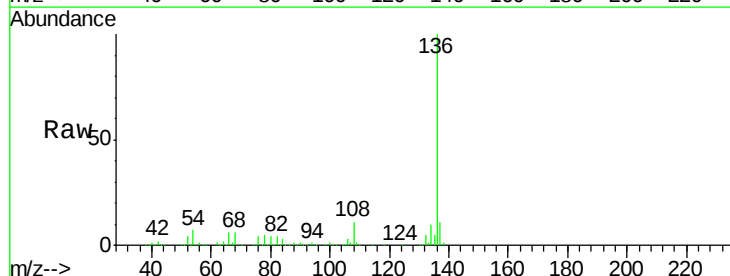
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-A

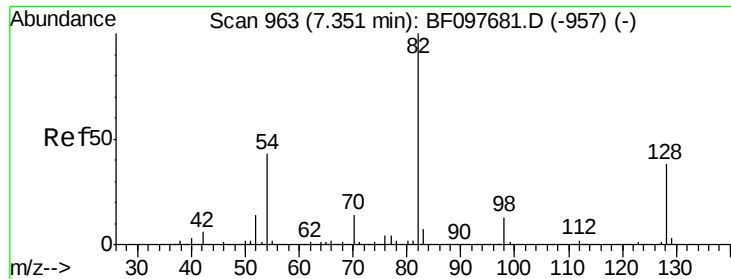
Tot Ion: 70 Resp: 87382
Ion Ratio Lower Upper
70 100
42 40.7 47.2 70.8#
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

Tgt Ion:136 Resp: 459715
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.2 4.9 7.3
68 6.4 4.1 6.1#

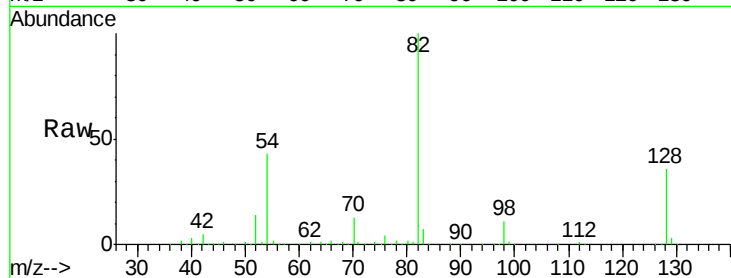




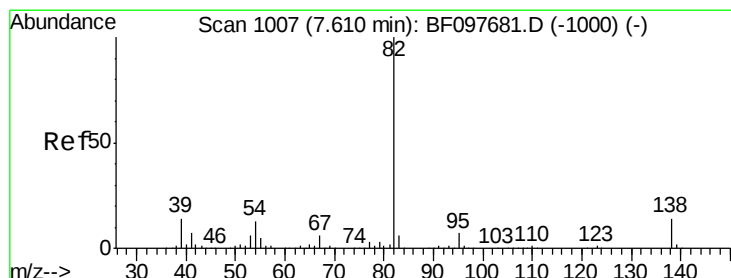
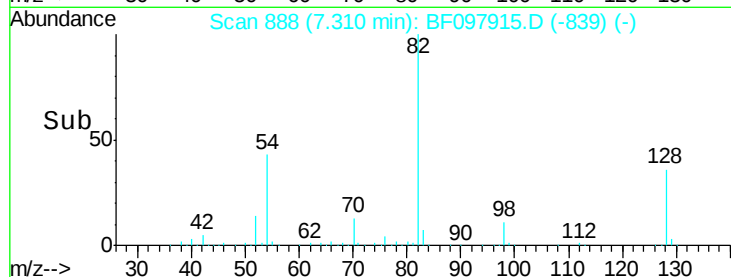
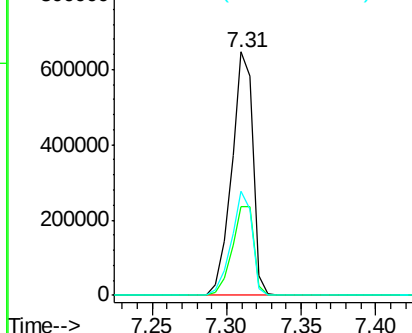
#23
 Nitrobenzene-d5
 Concen: 76.70 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

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

Tot Ion	82	Resp	649089
Ion Ratio	Lower	Upper	
82	100		
128	36.4	34.0	51.0
54	42.9	42.2	63.2

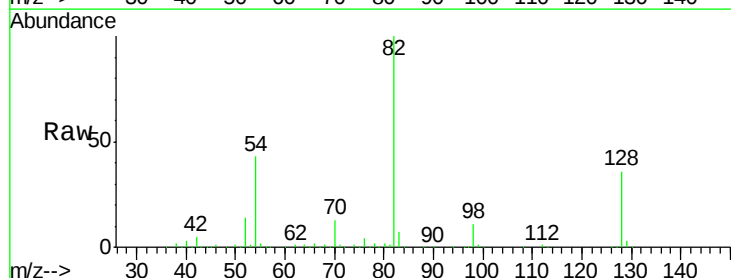


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

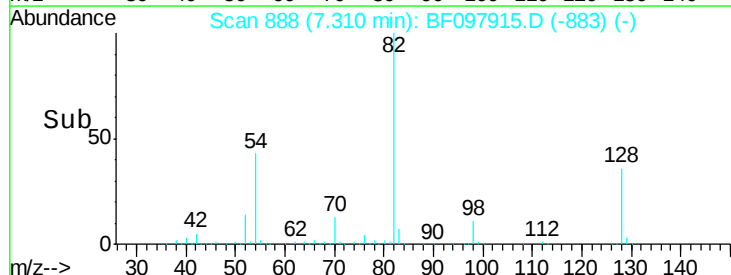
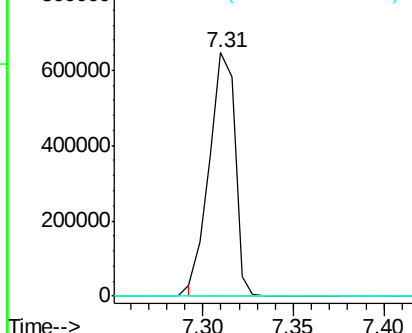


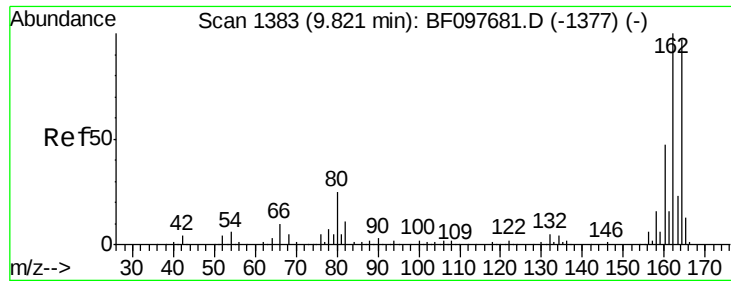
#25
 Isophorone
 Concen: 36.08 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.27 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Tgt Ion	82	Resp	634822
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

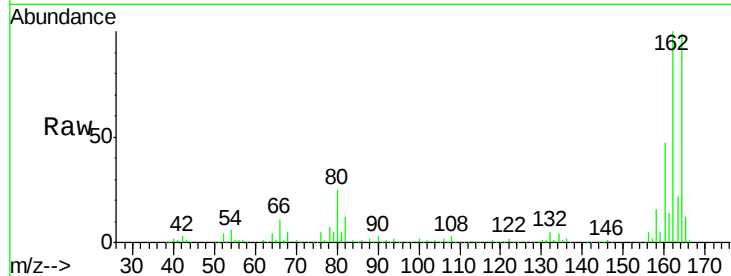




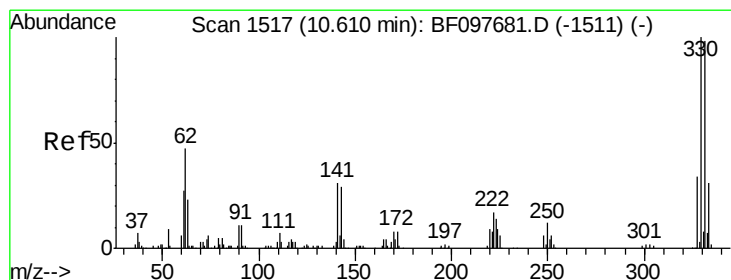
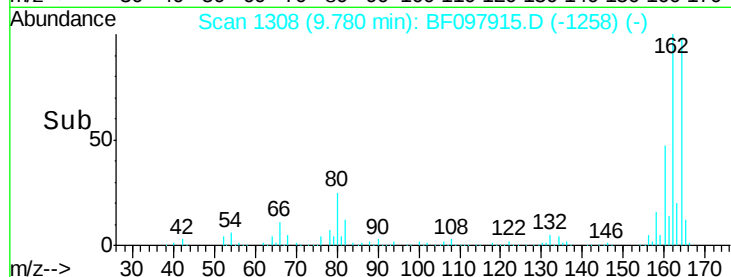
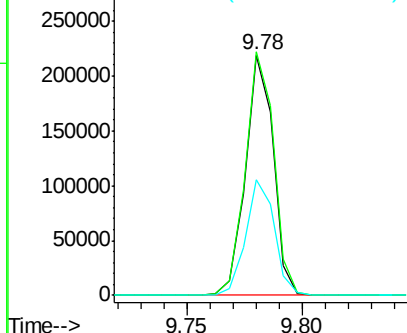
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Instrument :
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 CL-02-081717-A

Tot Ion:164 Resp: 184755
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.6 123.8
 160 48.1 36.2 54.2

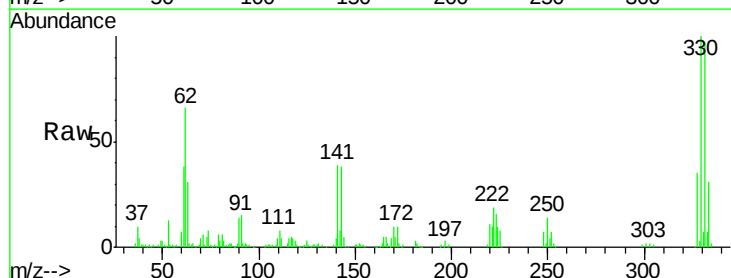


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

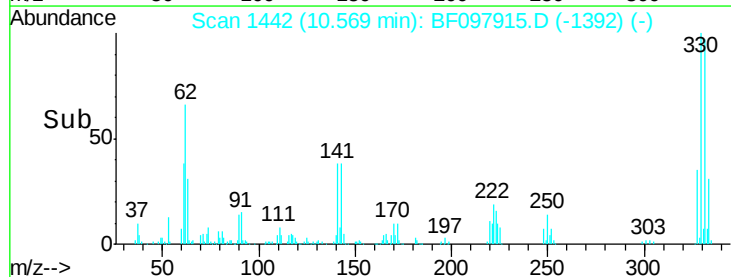
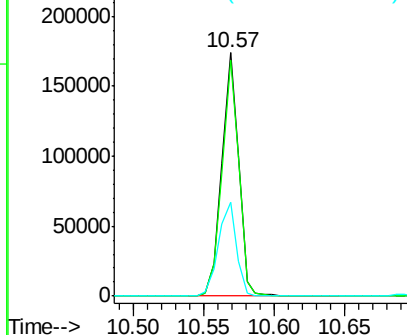


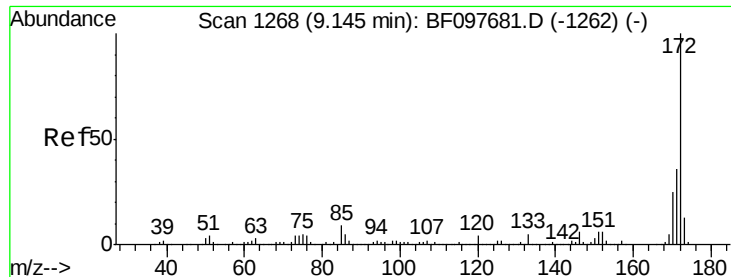
#41
 2,4,6-Tribromophenol
 Concen: 90.63 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Tgt Ion:330 Resp: 145285
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 41.9 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

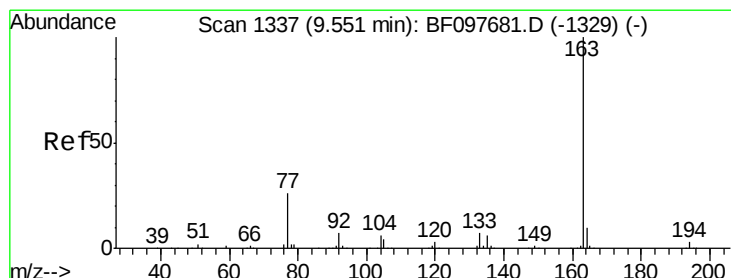
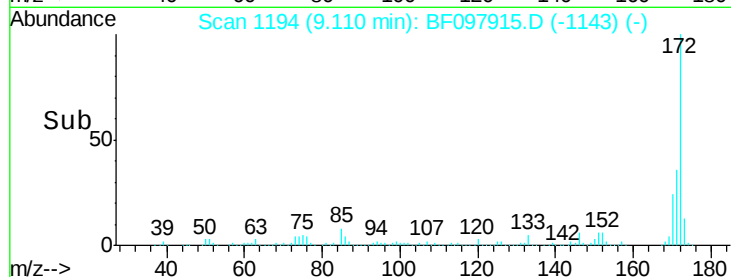
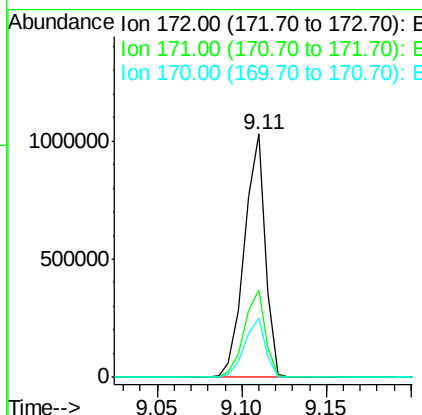
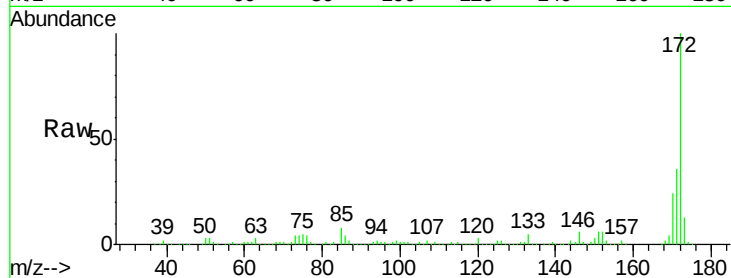




#44
 2-Fluorobiphenyl
 Concen: 71.25 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

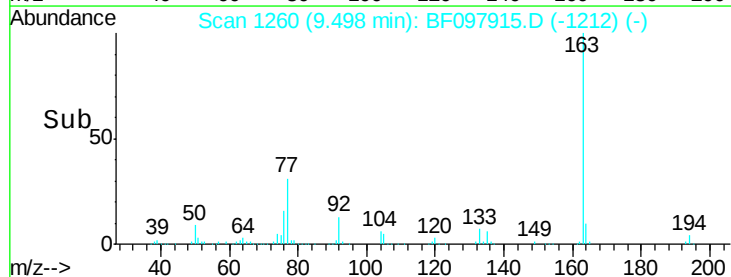
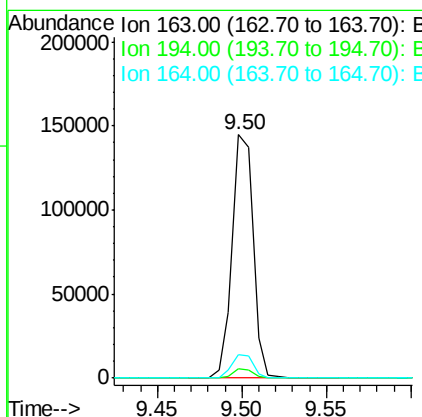
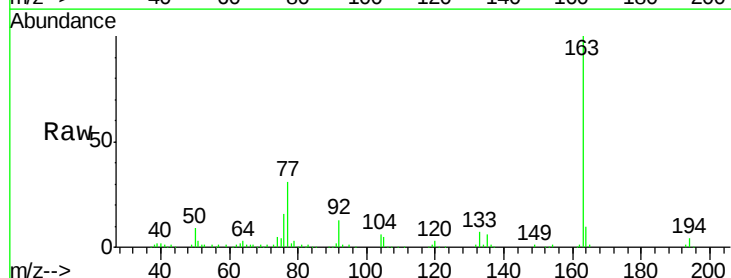
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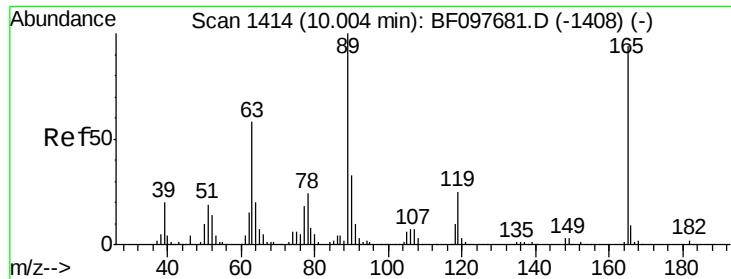
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.4	19.8	29.8



#49
 Dimethylphthalate
 Concen: 9.27 ng
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.8	8.4	12.6

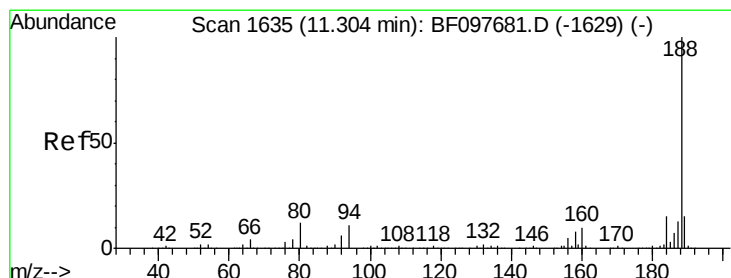
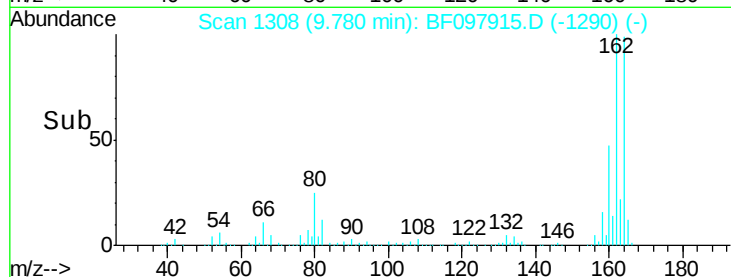
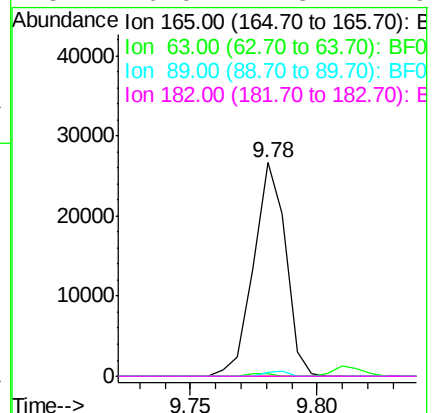
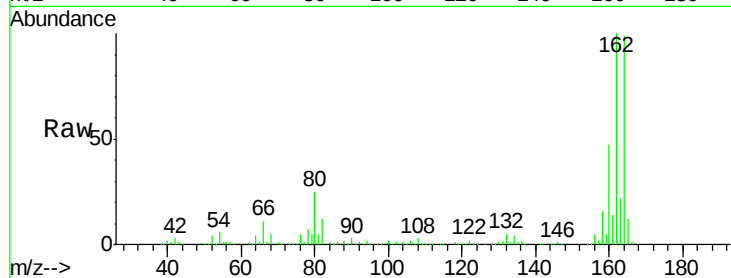




#56
 2,4-Dinitrotoluene
 Concen: 6.97 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

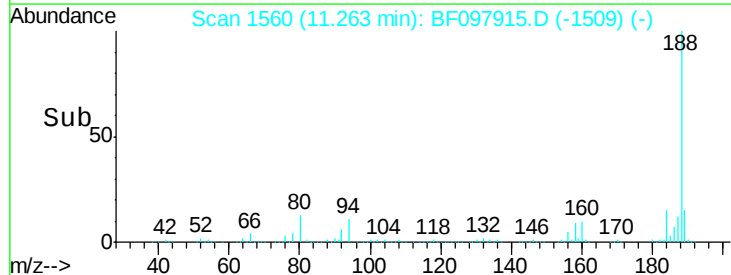
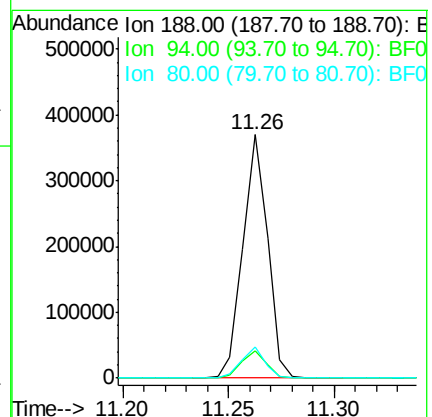
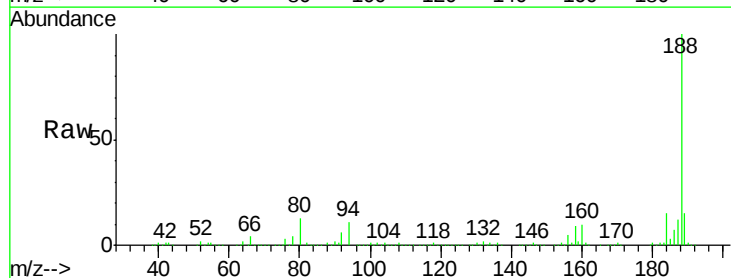
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-A

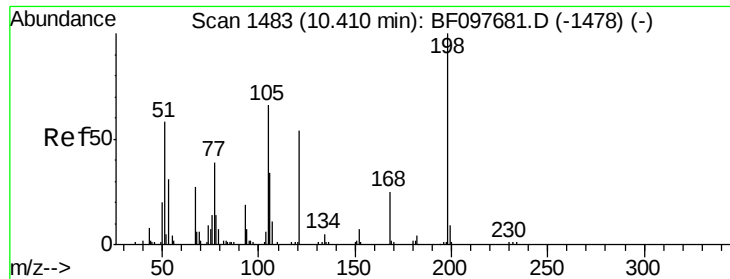
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.6	10.2	15.2

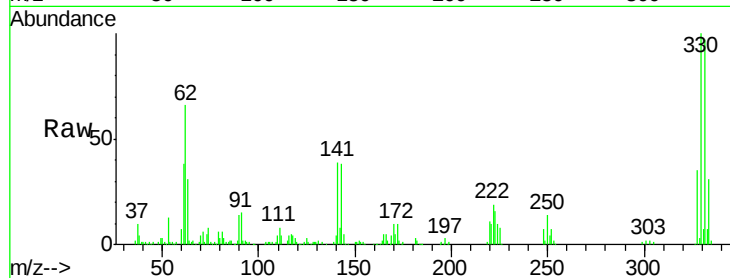




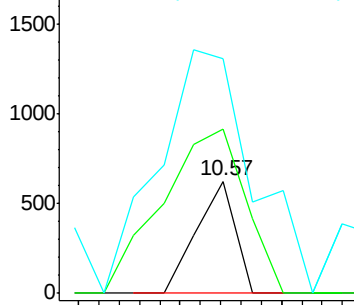
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.52 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

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

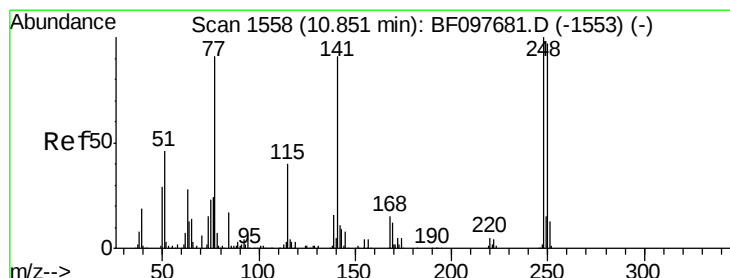
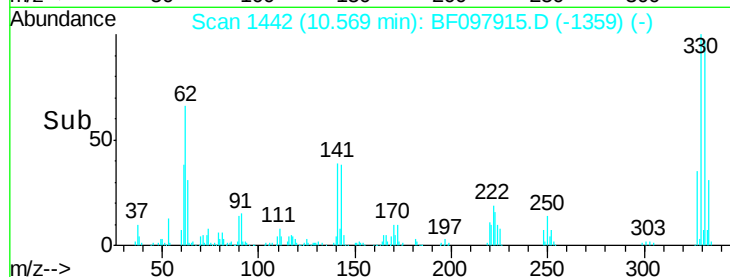
Tot Ion	Ratio	Lower	Upper
198	100		
51	146.6	53.2	93.2#
105	209.4	45.8	85.8#



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

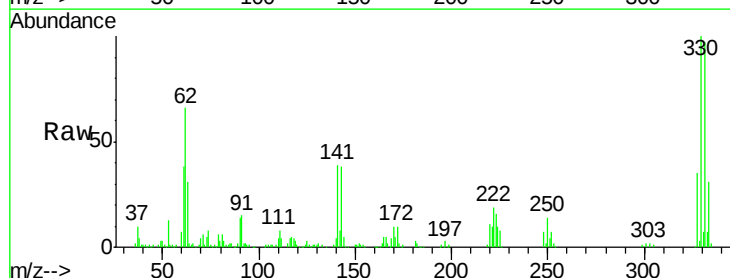


Time-->

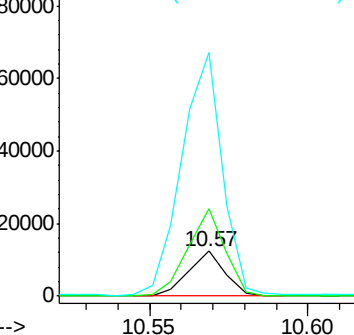


#66
 4-Bromophenyl-phenylether
 Concen: 3.17 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

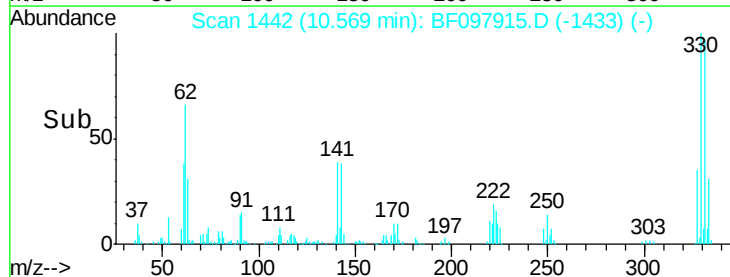
Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.6	76.8	115.2#
141	541.4	68.6	103.0#

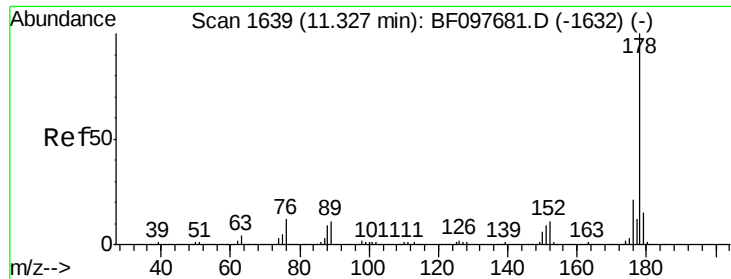


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

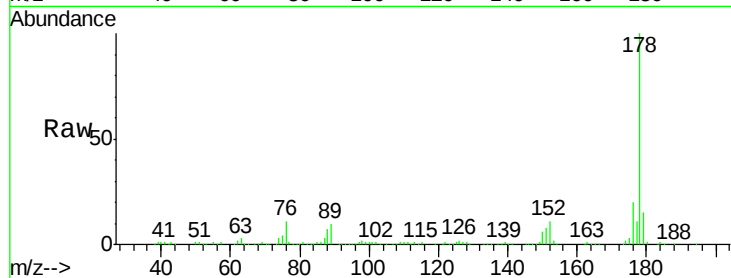




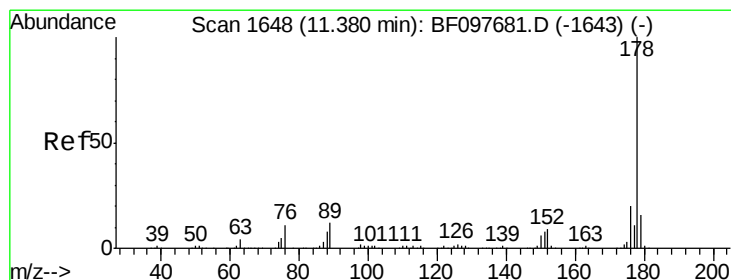
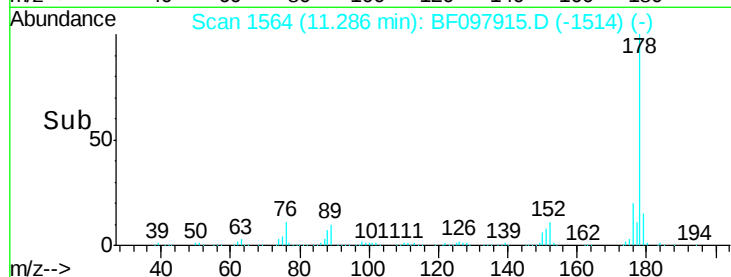
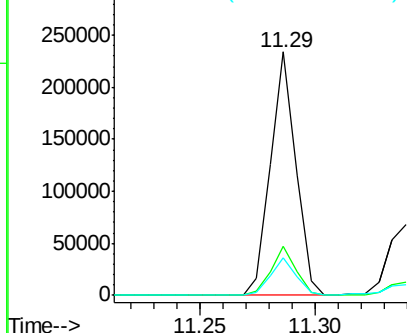
#70
Phenanthrene
Concen: 11.27 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

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

Tot Ion:178 Resp: 178993
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.4 12.6 19.0

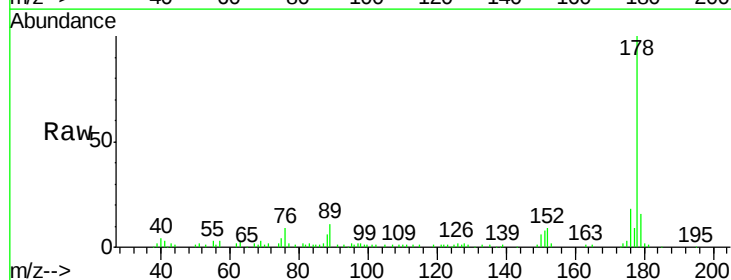


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

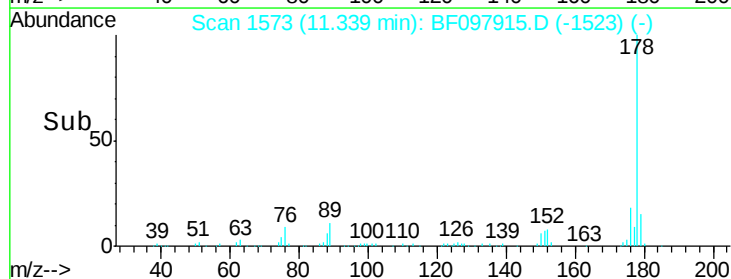
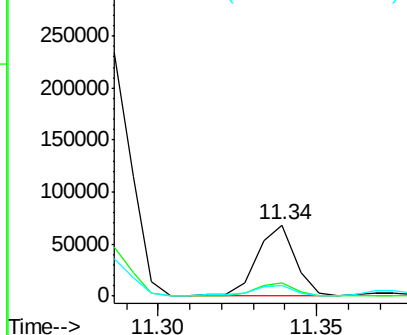


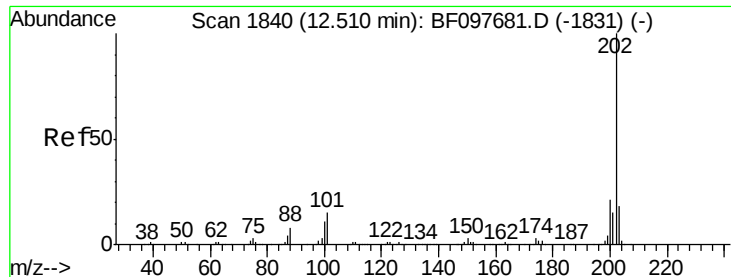
#71
Anthracene
Concen: 3.49 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

Tgt Ion:178 Resp: 56151
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.8 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: 18.07 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097915.D

Acq: 21 Aug 2017 19:51

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-A

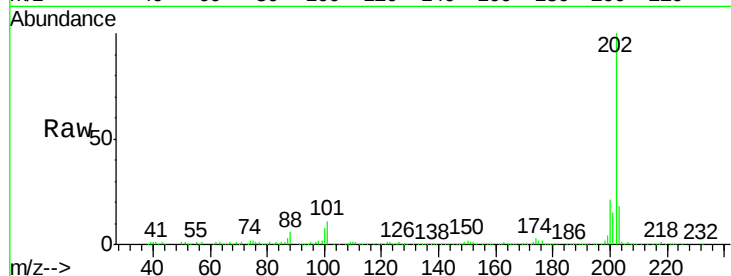
Tot Ion:202 Resp: 299373

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.2

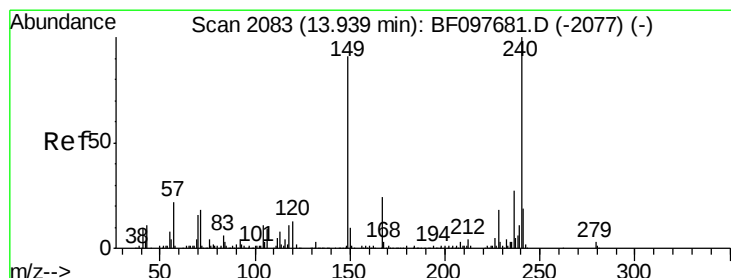
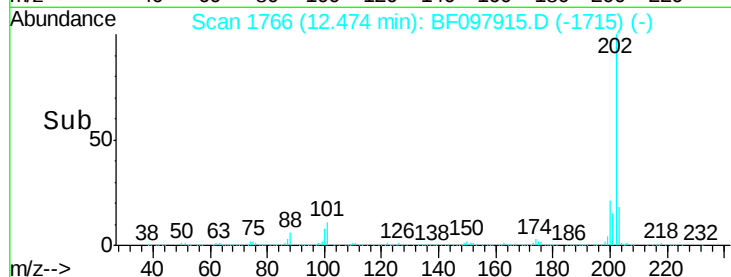
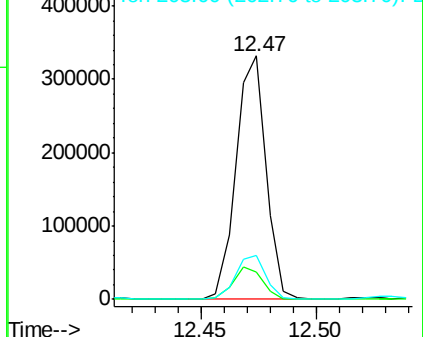
203 17.8 0.0 38.1



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# 2008

Delta R.T. -0.00 min

Lab File: BF097915.D

Acq: 21 Aug 2017 19:51

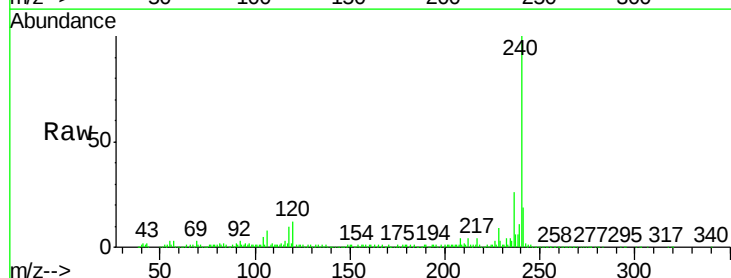
Tgt Ion:240 Resp: 242592

Ion Ratio Lower Upper

240 100

120 11.8 5.8 8.8#

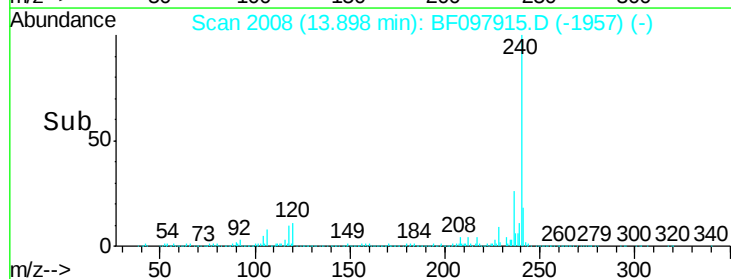
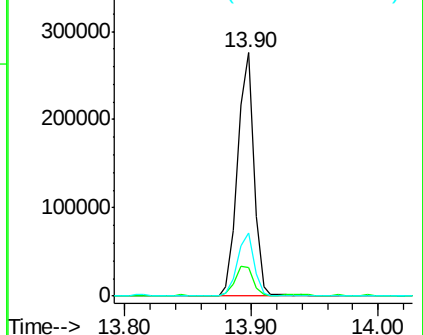
236 25.7 20.5 30.7

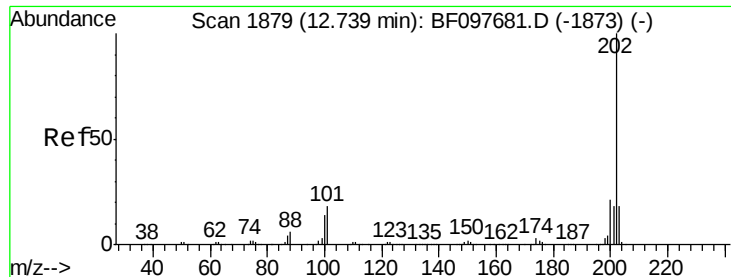


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.54 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097915.D

Acq: 21 Aug 2017 19:51

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-A

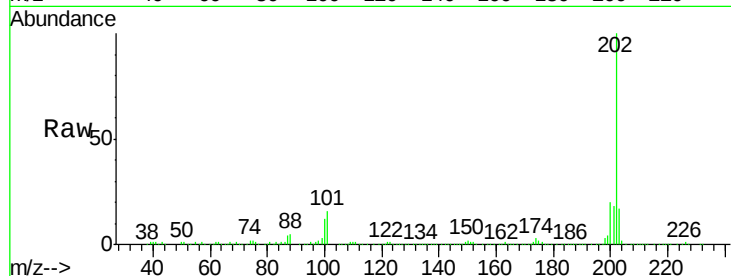
Tot Ion:202 Resp: 308322

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

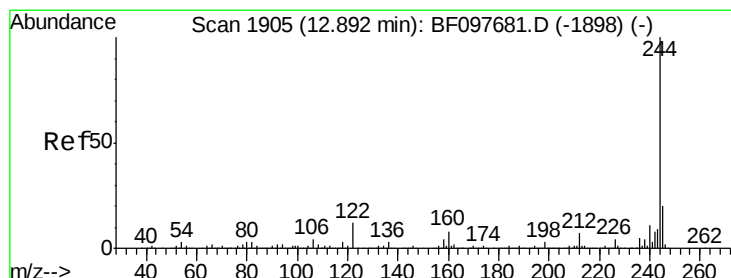
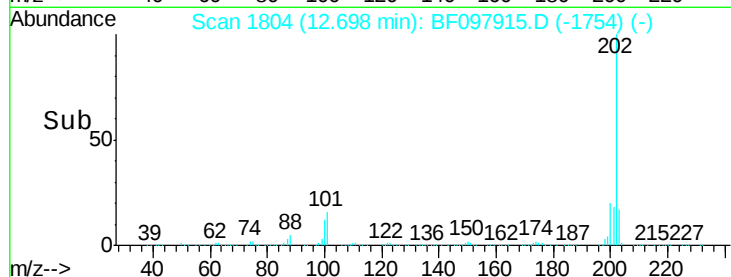
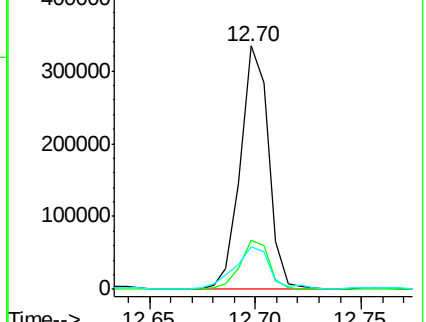
203 17.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 50.92 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097915.D

Acq: 21 Aug 2017 19:51

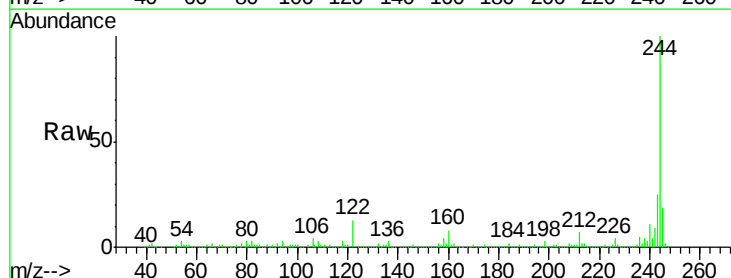
Tgt Ion:244 Resp: 592417

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

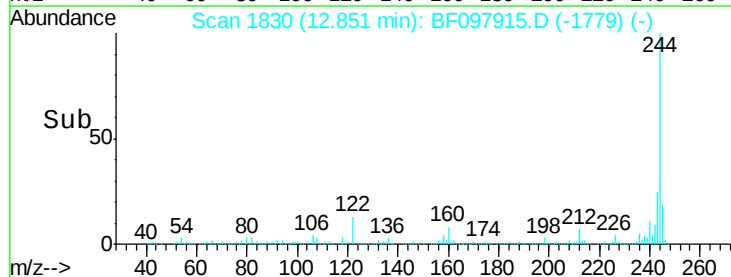
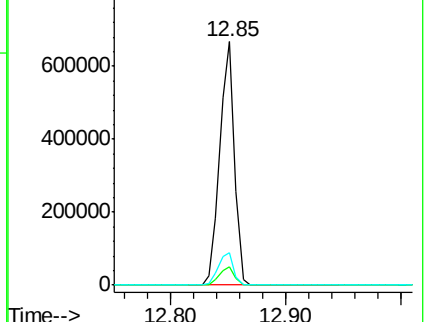
122 13.1 10.3 15.5

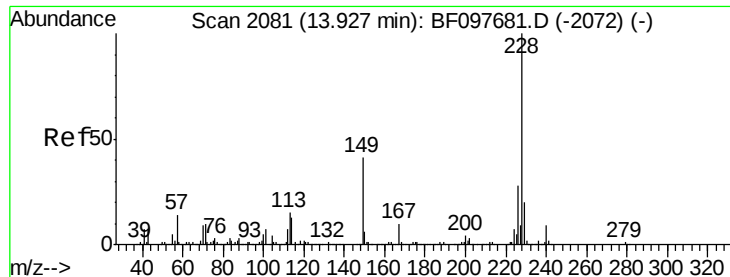


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

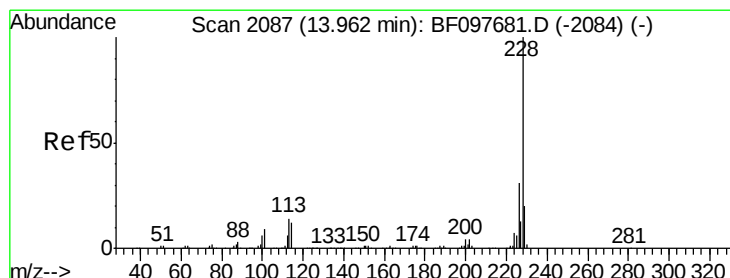
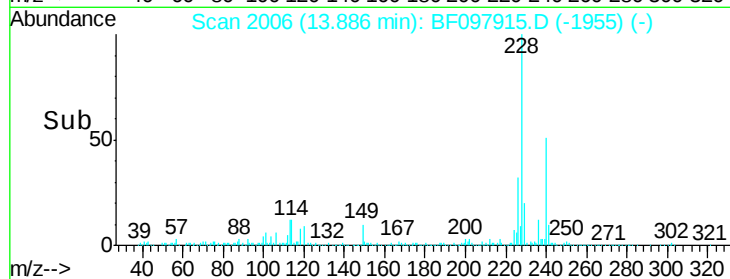
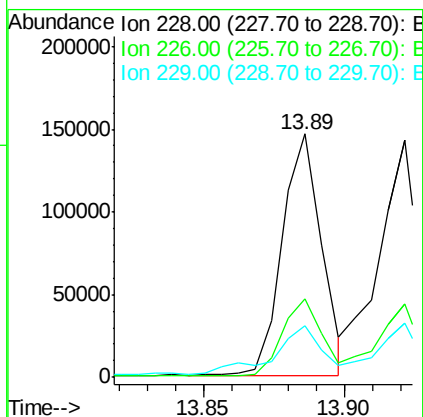
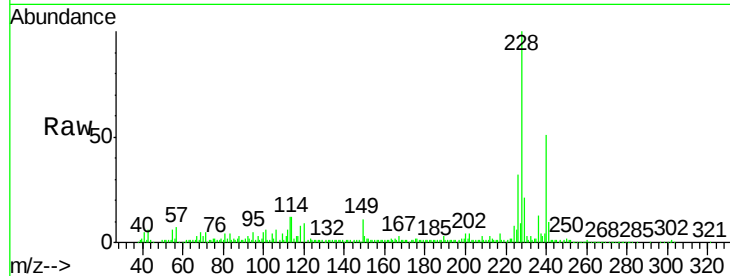




#80
Benzo(a)anthracene
Concen: 9.65 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

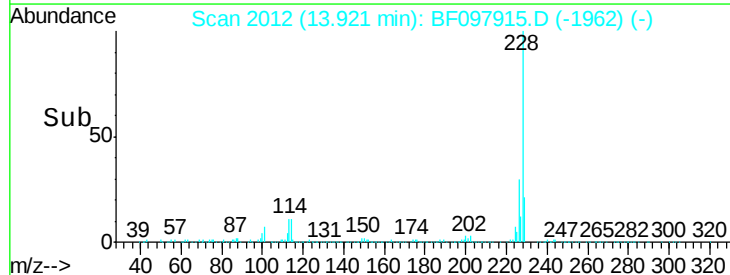
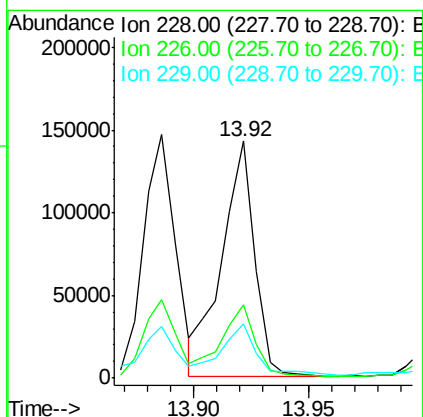
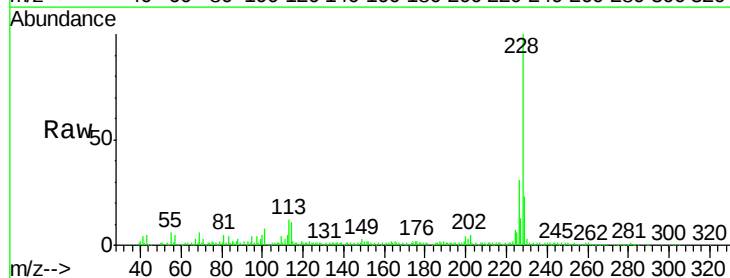
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-A

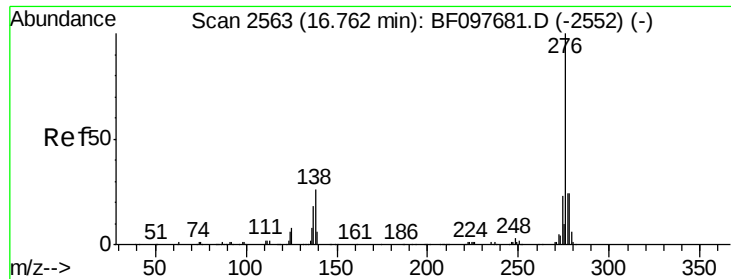
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	20.9	16.3	24.5



#82
Chrysene
Concen: 9.72 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.6	15.8	23.6

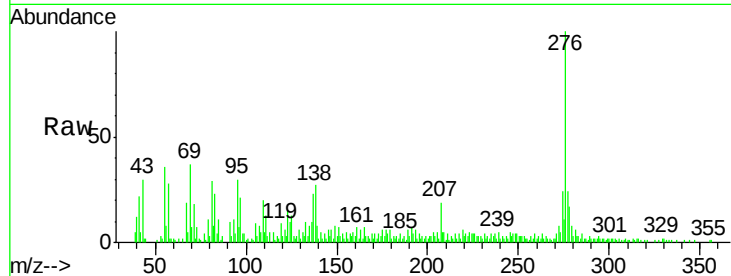




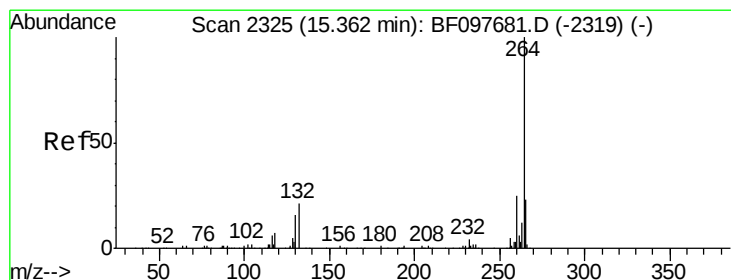
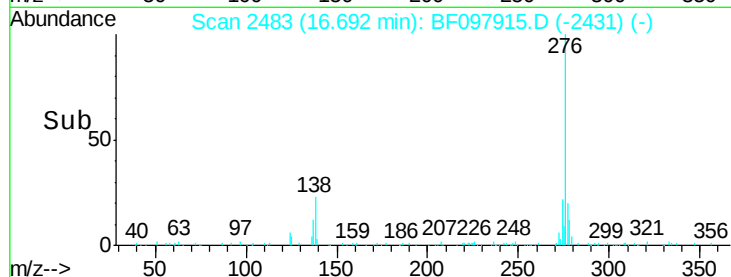
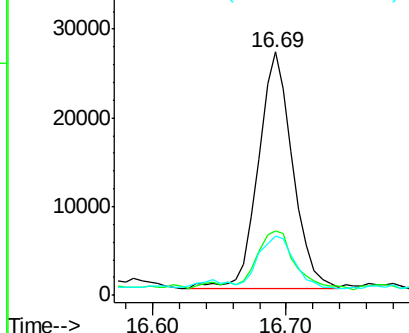
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.44 ng
 RT: 16.69 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	23.9	20.2	30.4

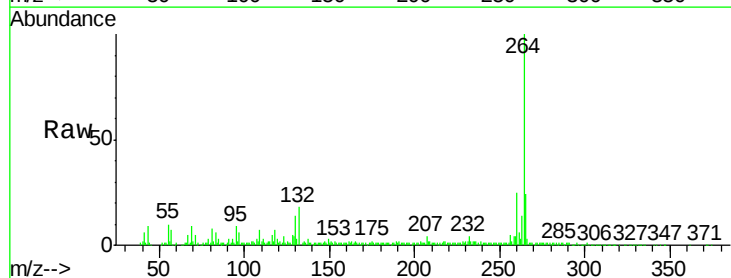


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

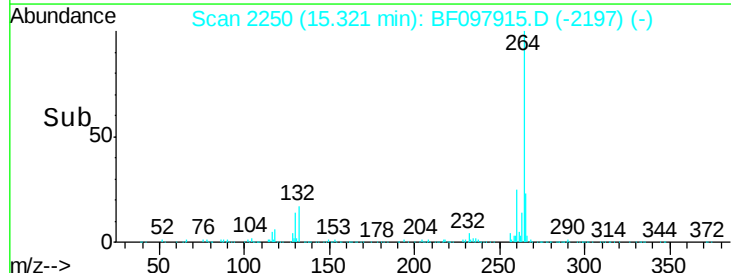
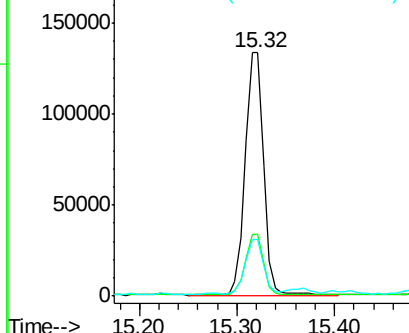


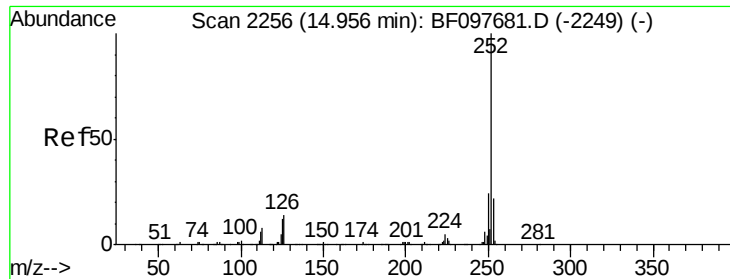
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF097915.D
 Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	23.6	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

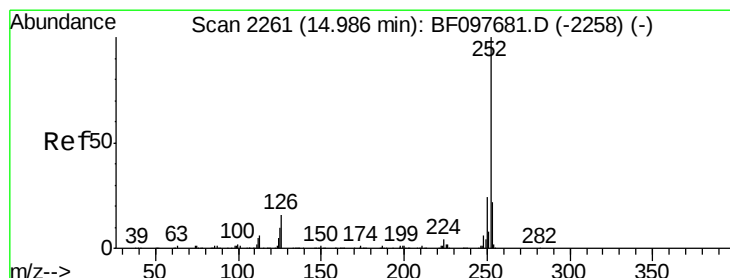
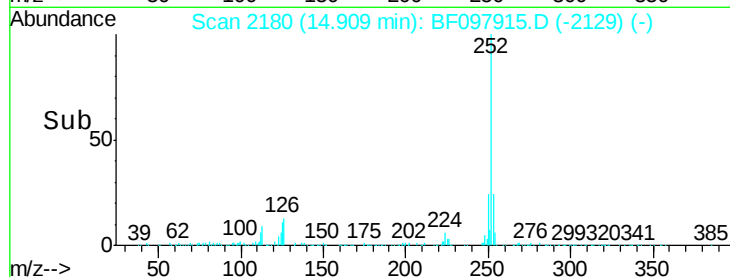
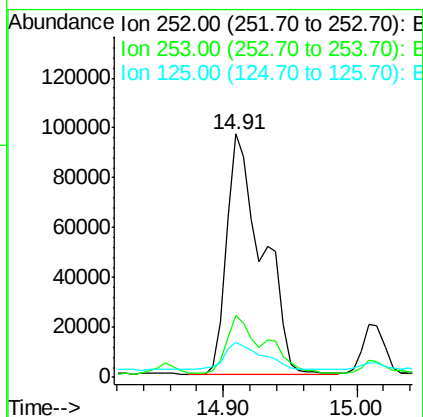
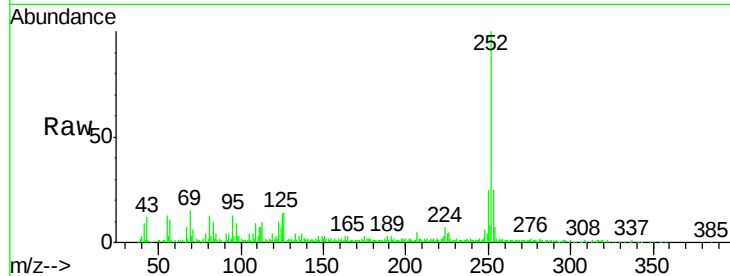




#87
Benzo(b)fluoranthene
Concen: 16.38 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

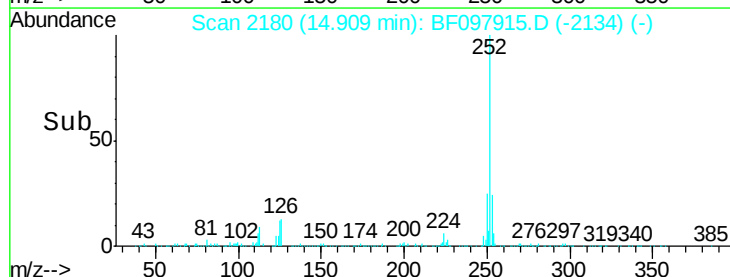
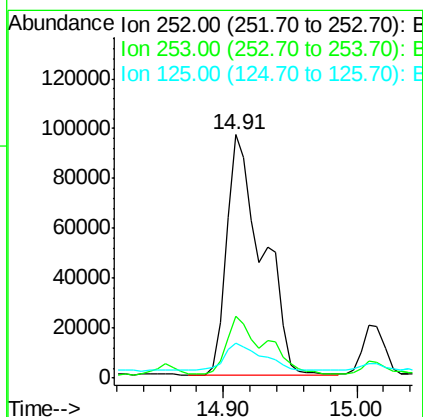
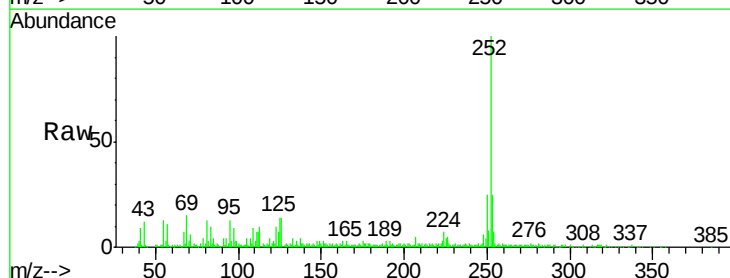
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-A

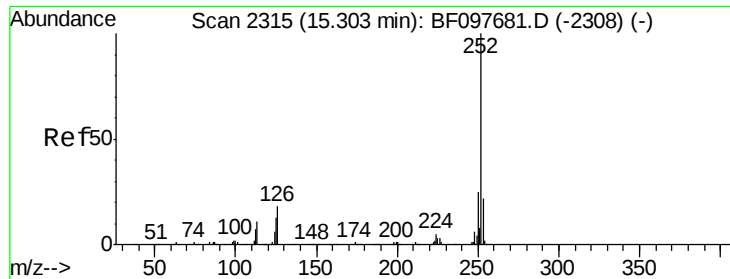
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	14.3	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 17.44 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	14.3	13.1	19.7

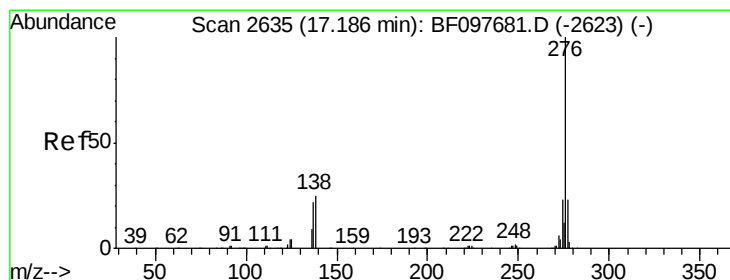
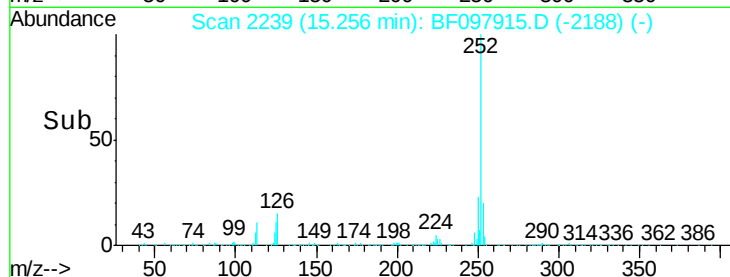
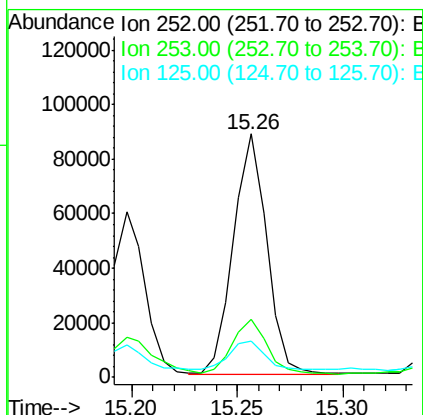
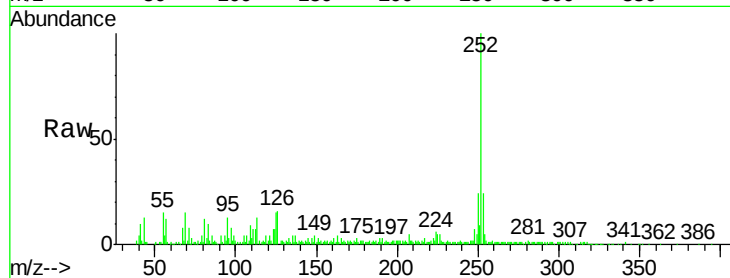




#89
Benzo(a)pyrene
Concen: 9.87 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	14.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.62 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BF097915.D
Acq: 21 Aug 2017 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	28.0
138	27.9	25.4	38.0

