

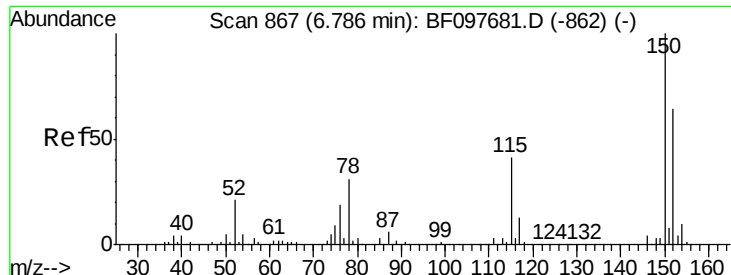
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097917.D
 Acq On : 21 Aug 2017 20:47
 Operator : SJ/JU
 Sample : I4875-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 22 04:02:14 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	113604	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	433991	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	172859	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	284461	20.00	ng	0.00
75) Chrysene-d12	13.90	240	230597	20.00	ng	0.00
86) Perylene-d12	15.32	264	164522	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	692594	92.73	ng	0.00
7) Phenol-d6	6.39	99	953512	93.96	ng	0.00
23) Nitrobenzene-d5	7.31	82	574751	71.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	132103	88.08	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	820013	69.70	ng	0.00
78) Terphenyl-d14	12.85	244	572584	51.78	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.39	94	26508	2.23	ng	# 66
19) n-Nitroso-di-n-propylamine	7.31	70	79025	11.38	ng	# 72
25) Isophorone	7.31	82	563569	33.93	ng	# 67
49) Dimethylphthalate	9.50	163	150004	11.87	ng	98
64) 4,6-Dinitro-2-methylphenol	10.57	198	296	8.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	9407	3.18	ng	# 1
70) Phenanthrene	11.29	178	203675	13.44	ng	100
71) Anthracene	11.34	178	47891	3.11	ng	98
74) Fluoranthene	12.47	202	260011	16.43	ng	99
77) Pyrene	12.70	202	298714	15.84	ng	98
80) Benzo(a)anthracene	13.92	228	107905	7.81	ng	94
82) Chrysene	13.92	228	107905	7.85	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	35560	3.52	ng	91
87) Benzo(b)fluoranthene	14.91	252	130395	12.57	ng	# 89
88) Benzo(k)fluoranthene	14.91	252	130395	13.38	ng	94
89) Benzo(a)pyrene	15.26	252	68616	7.47	ng	# 91
91) Benzo(a,h,i)perylene	17.11	276	36513	4.68	ng	95

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

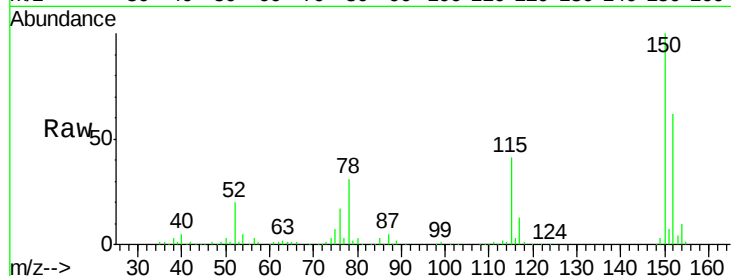


#1

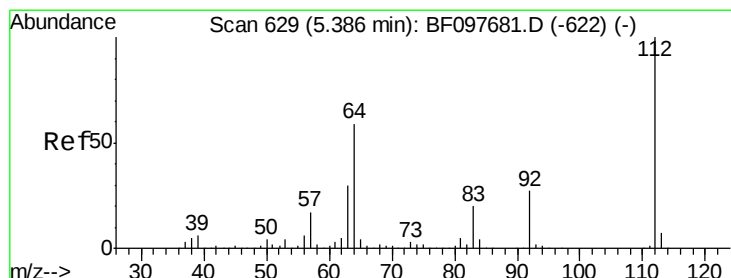
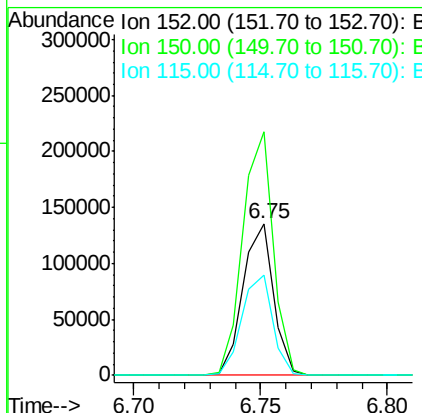
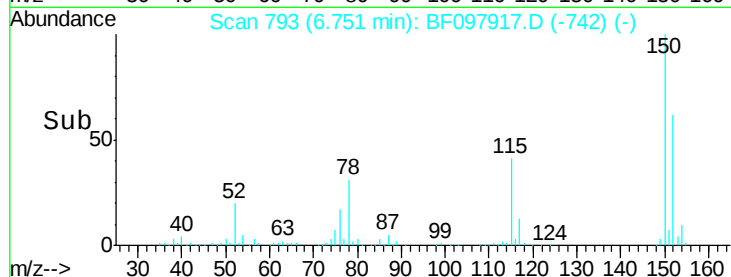
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	65.8	52.2	78.2



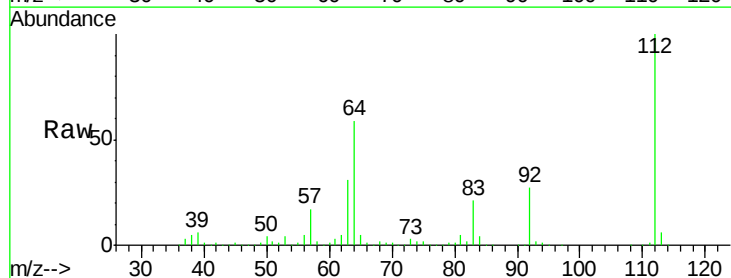
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



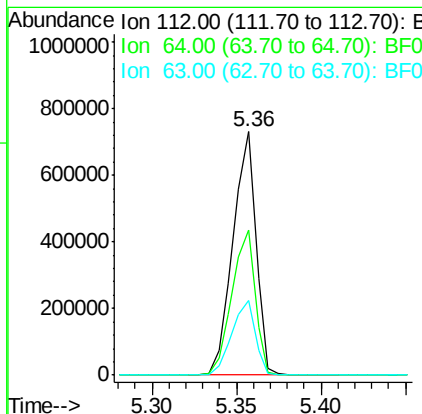
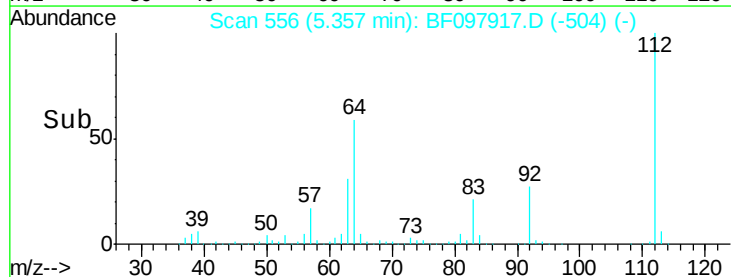
#5

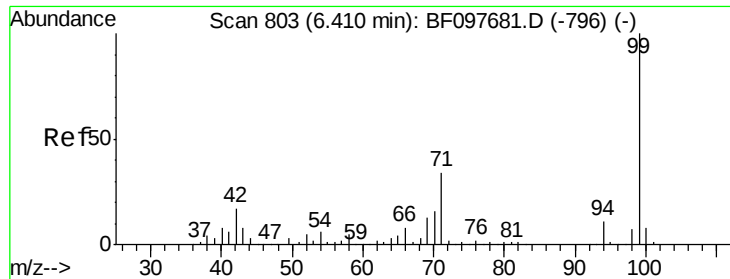
2-Fluorophenol
 Concen: 92.73 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	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: 93.96 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-E

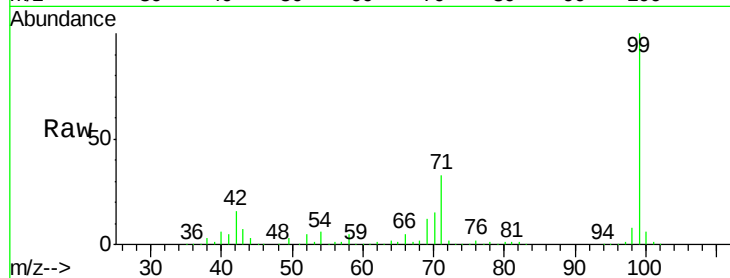
Tot Ion: 99 Resp: 953512

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

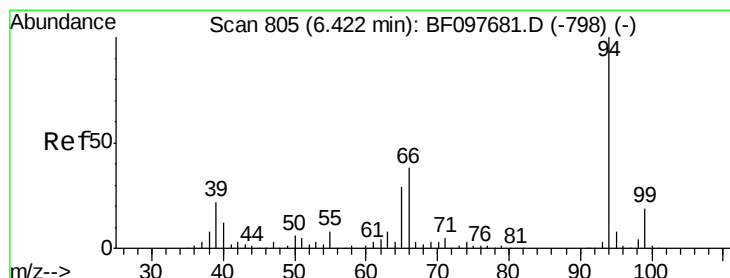
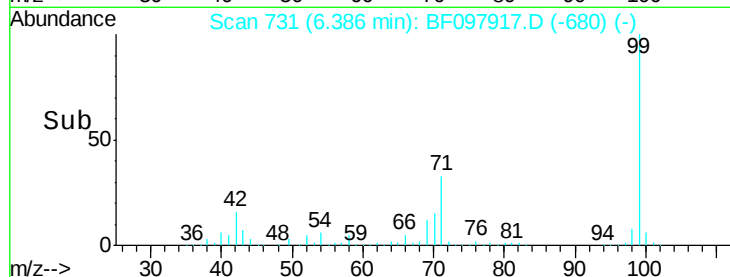
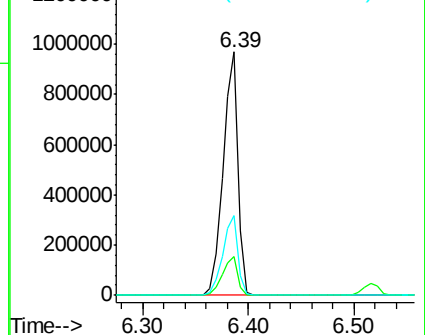
71 32.7 24.5 36.7



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: 2.23 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

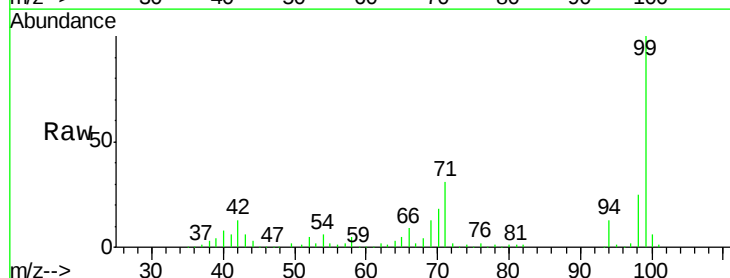
Tgt Ion: 94 Resp: 26508

Ion Ratio Lower Upper

94 100

65 39.3 9.9 49.9

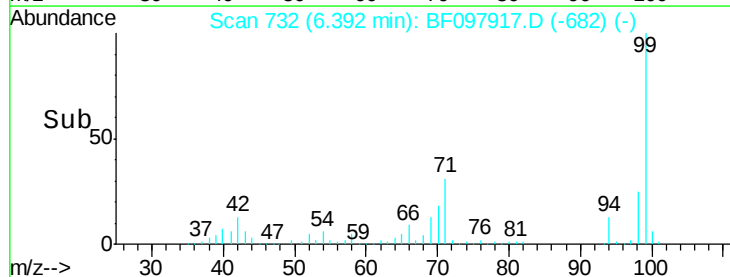
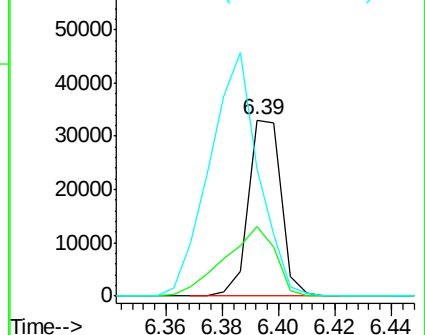
66 72.0 23.1 63.1#

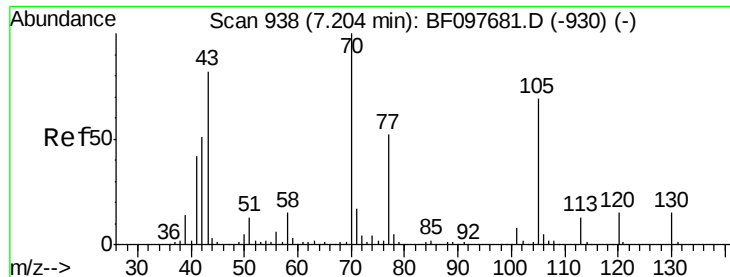


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

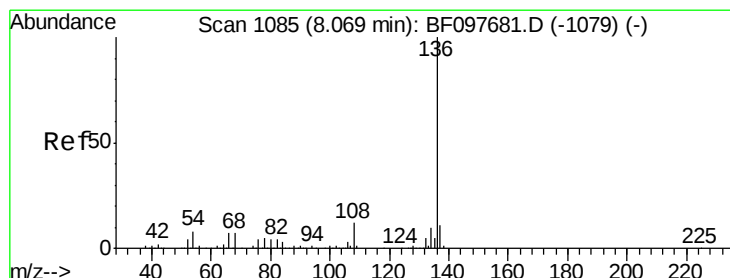
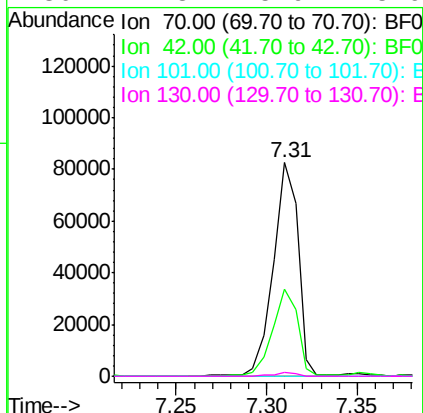
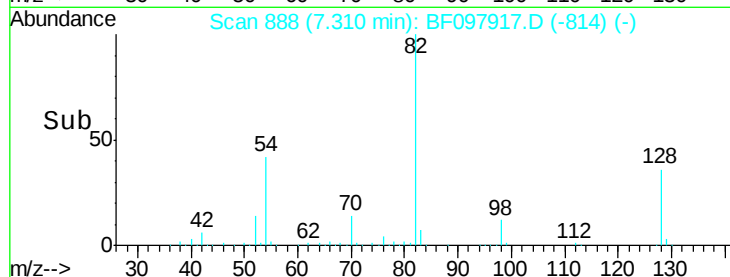
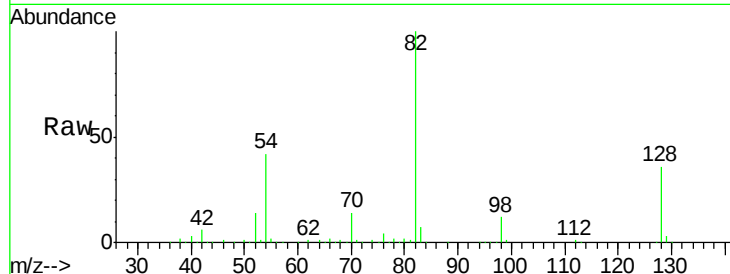




#19
n-Nitroso-di-n-propylamine
Concen: 11.38 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

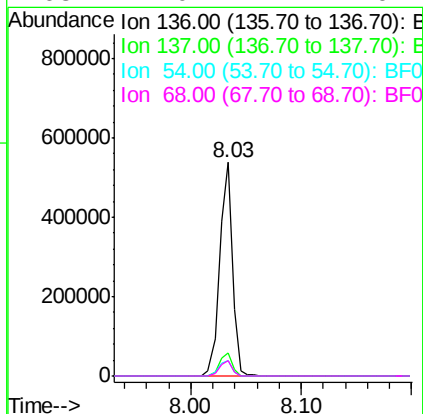
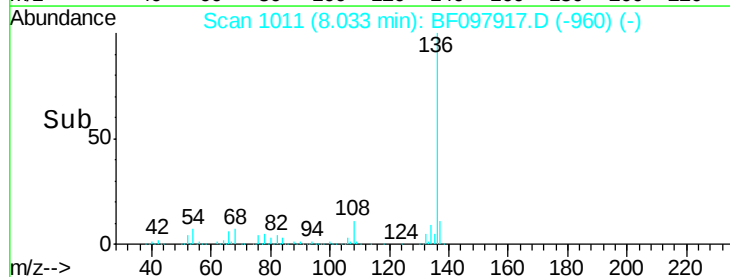
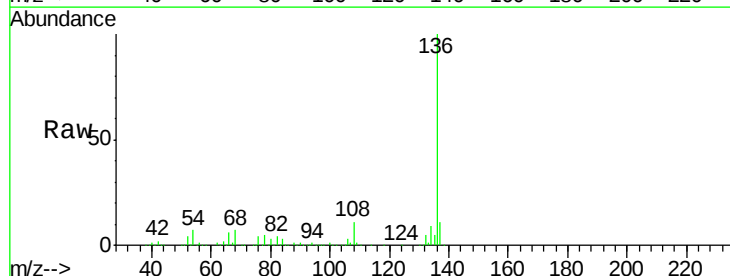
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

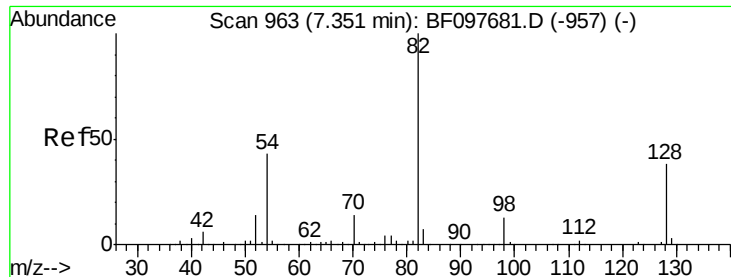
Tot Ion: 70 Resp: 79025
Ion Ratio Lower Upper
70 100
42 40.8 47.2 70.8#
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion: 136 Resp: 433991
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.2 4.9 7.3
68 7.0 4.1 6.1#

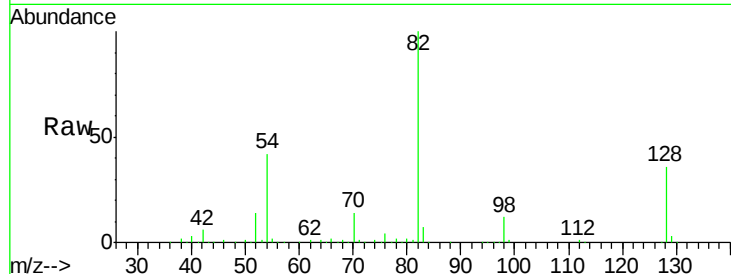




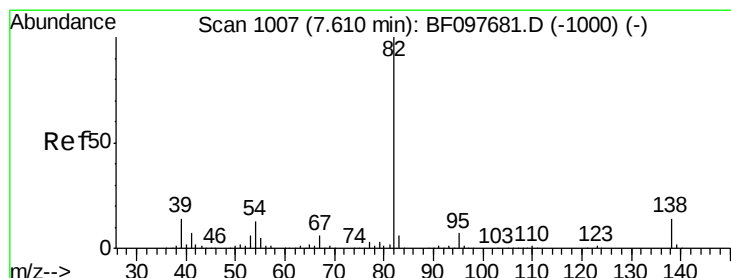
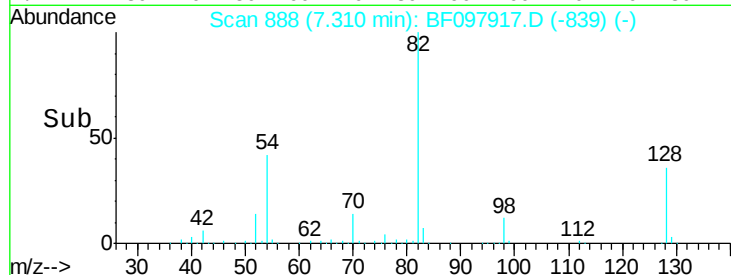
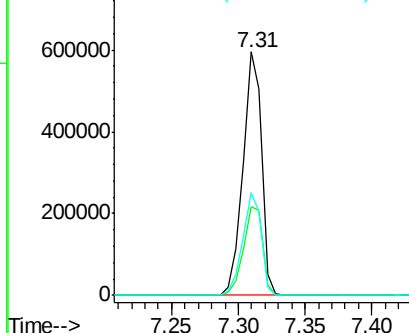
#23
 Nitrobenzene-d5
 Concen: 71.94 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

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

Tot Ion	82	Resp	574751
Ion Ratio	100	Lower	Upper
128	36.4	34.0	51.0
54	42.4	42.2	63.2

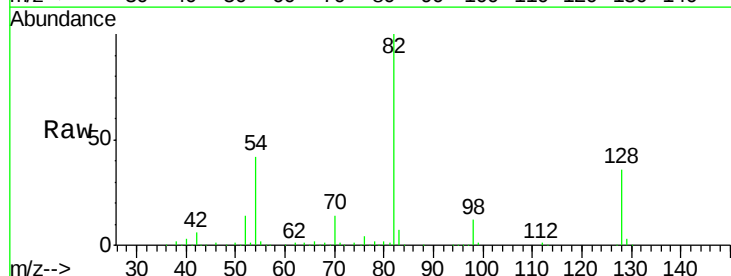


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

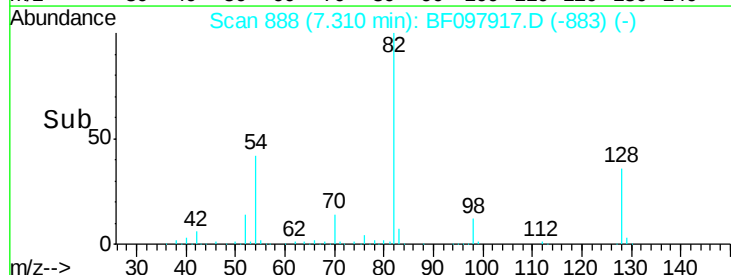
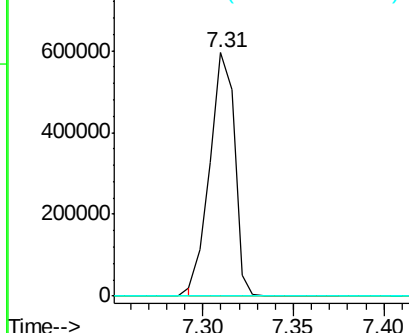


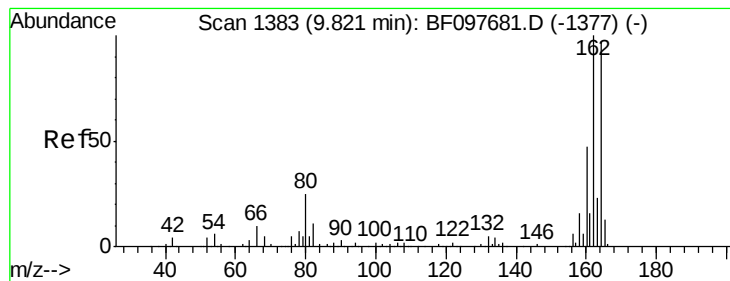
#25
 Isophorone
 Concen: 33.93 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.27 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion	82	Resp	563569
Ion Ratio	100	Lower	Upper
95	0.1	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: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-E

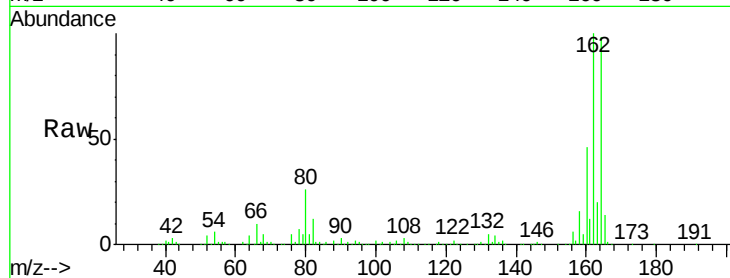
Tot Ion:164 Resp: 172859

Ion Ratio Lower Upper

164 100

162 101.9 82.6 123.8

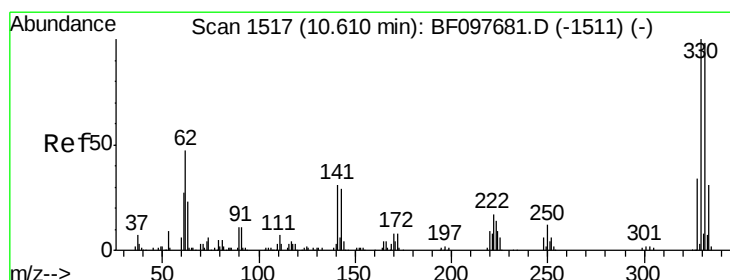
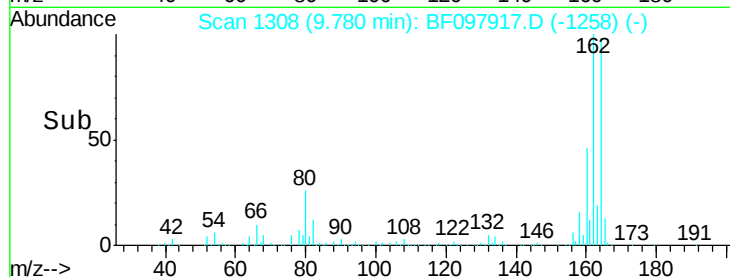
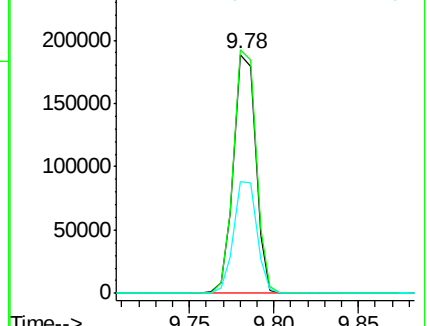
160 46.9 36.2 54.2



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: 88.08 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

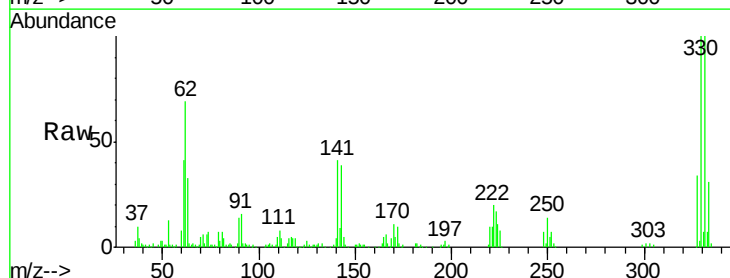
Tgt Ion:330 Resp: 132103

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

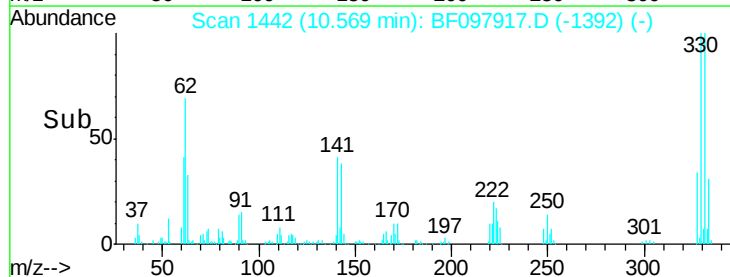
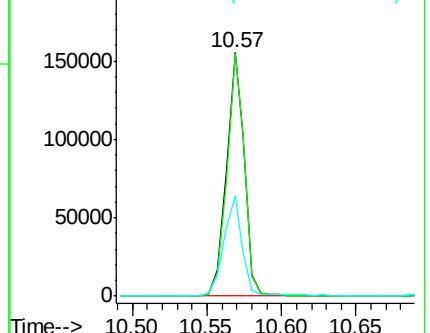
141 43.6 31.4 47.2

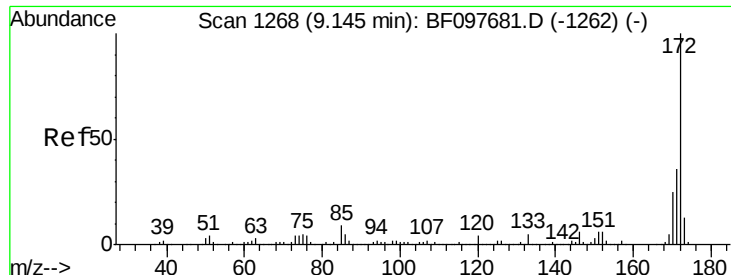


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

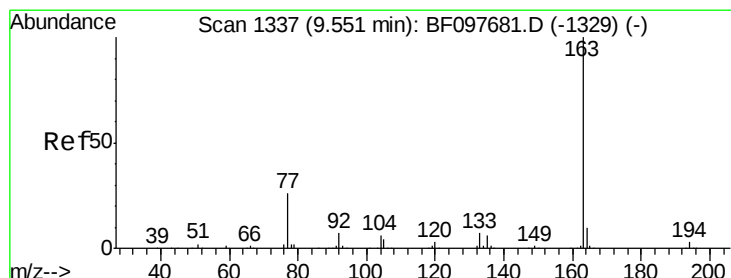
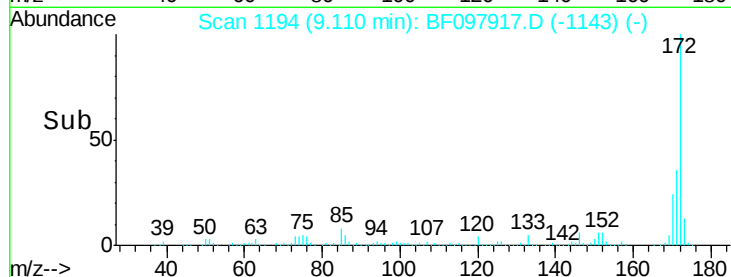
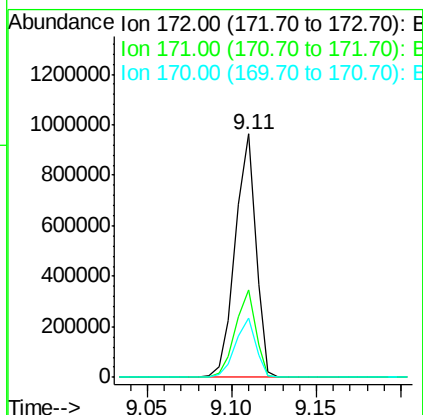
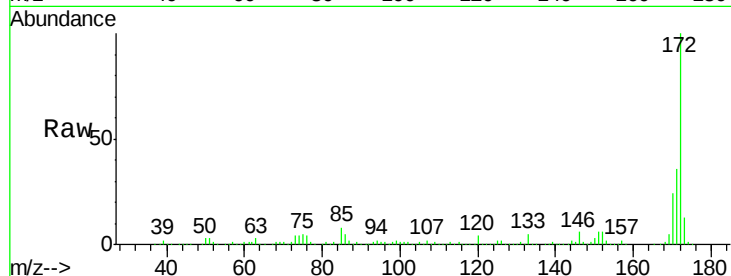




#44
2-Fluorobiphenyl
Concen: 69.70 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

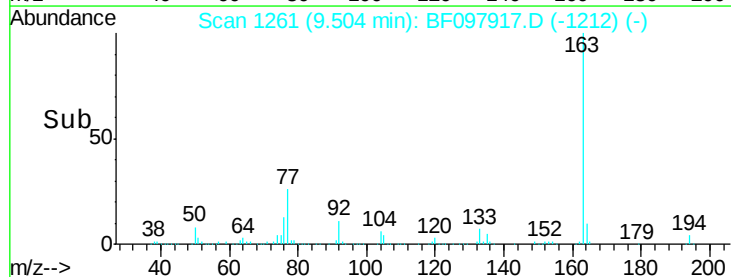
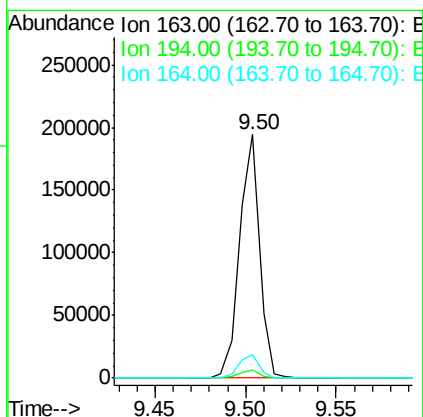
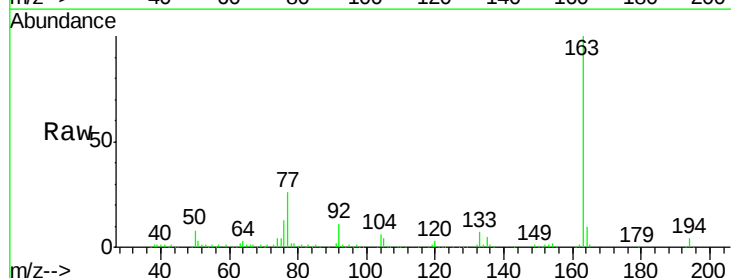
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

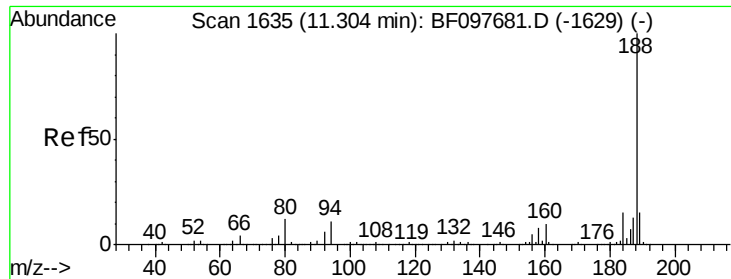
Tot Ion:172 Resp: 820013
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 11.87 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion:163 Resp: 150004
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.6 8.4 12.6

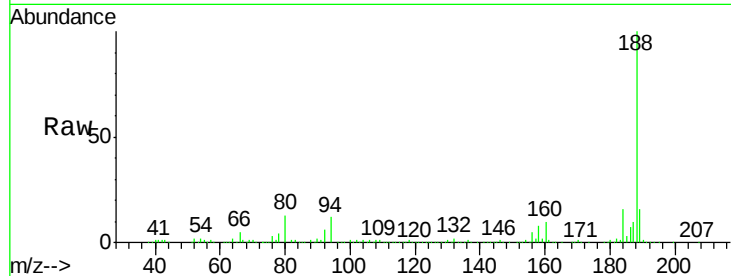




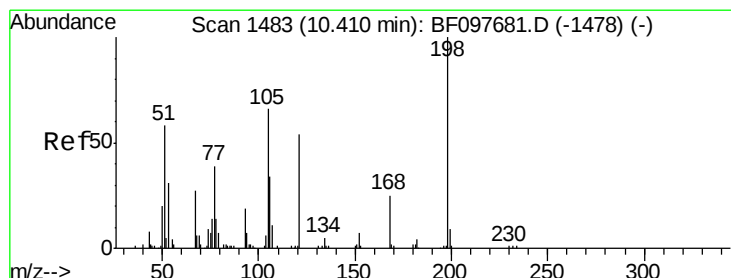
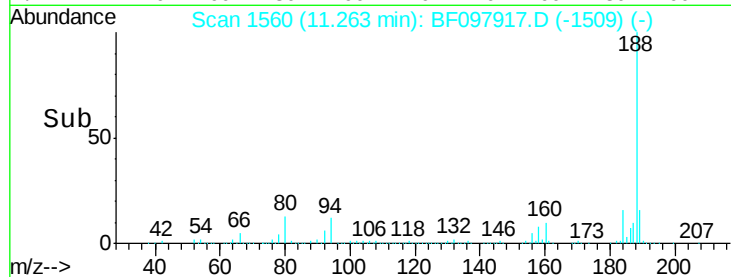
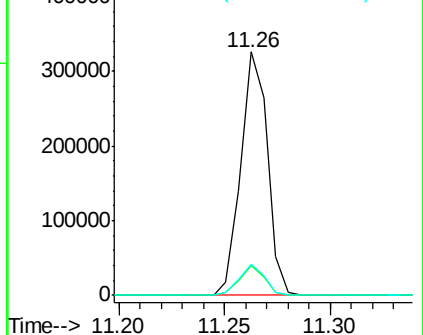
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

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

Tot Ion:188 Resp: 284461
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 13.0 10.2 15.2

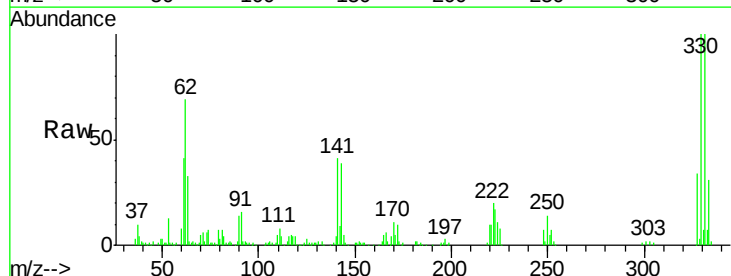


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

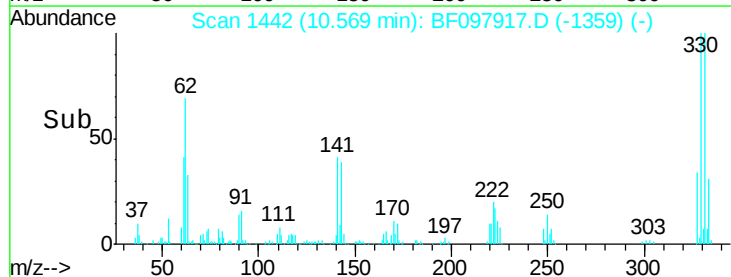
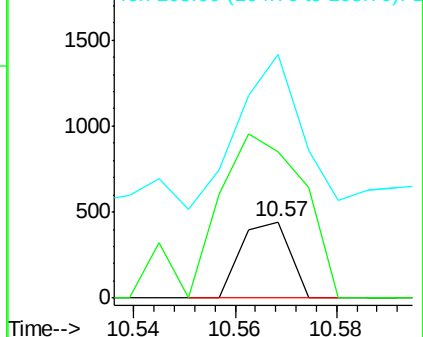


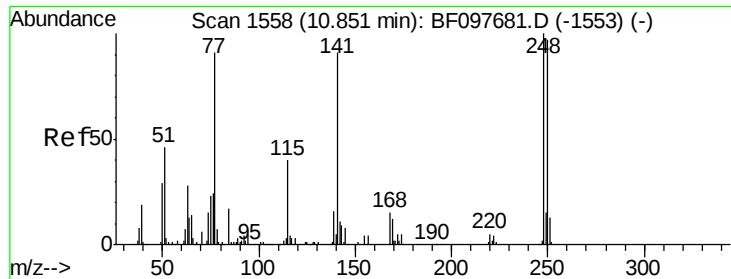
#64
4,6-Dinitro-2-methylphenol
Concen: 8.50 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion:198 Resp: 296
Ion Ratio Lower Upper
198 100
51 192.3 53.2 93.2#
105 320.1 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

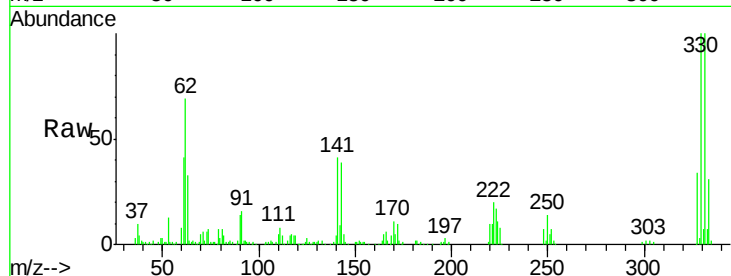




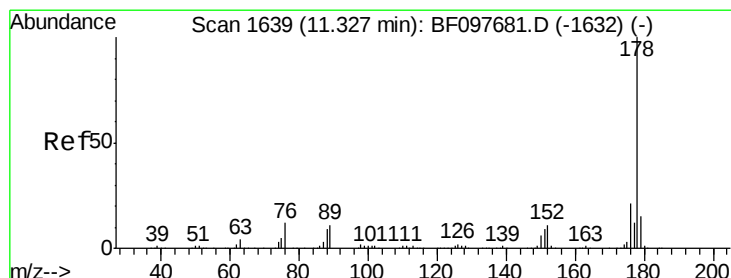
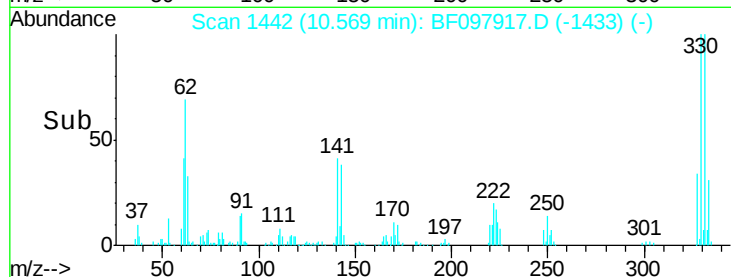
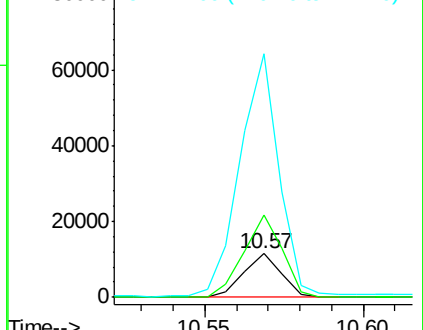
#66
4-Bromophenyl-phenylether
Concen: 3.18 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

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

Tot Ion:248 Resp: 9407
Ion Ratio Lower Upper
248 100
250 188.4 76.8 115.2#
141 560.6 68.6 103.0#

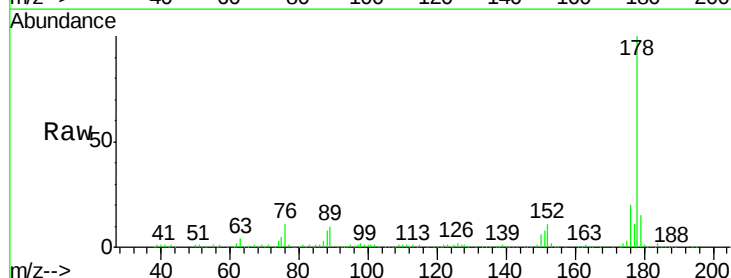


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

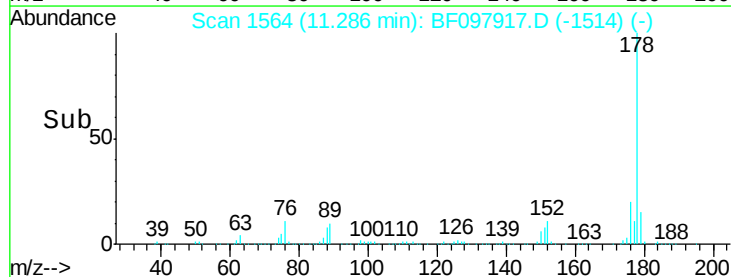
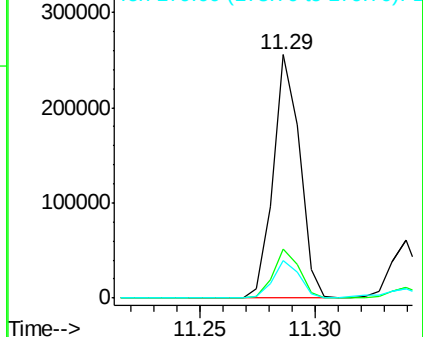


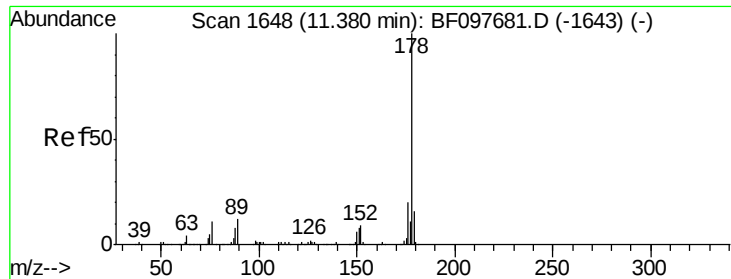
#70
Phenanthrene
Concen: 13.44 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion:178 Resp: 203675
Ion Ratio Lower Upper
178 100
176 20.3 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

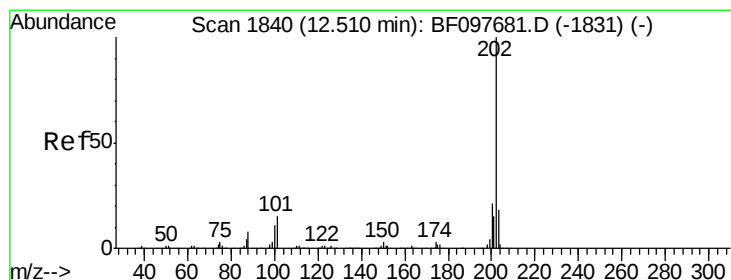
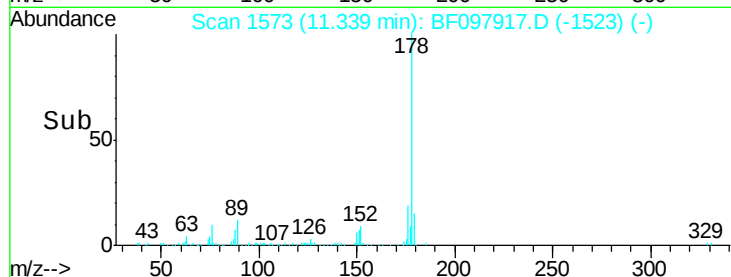
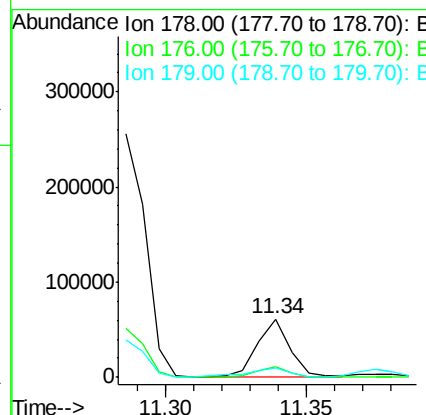
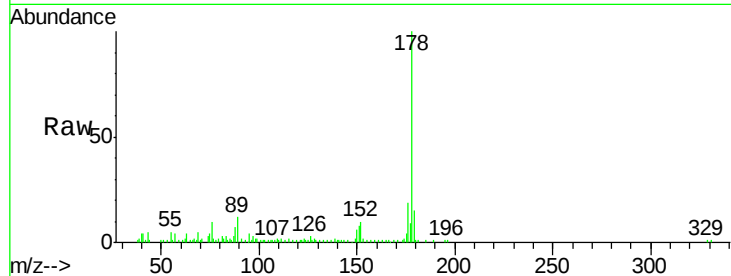




#71
 Anthracene
 Concen: 3.11 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

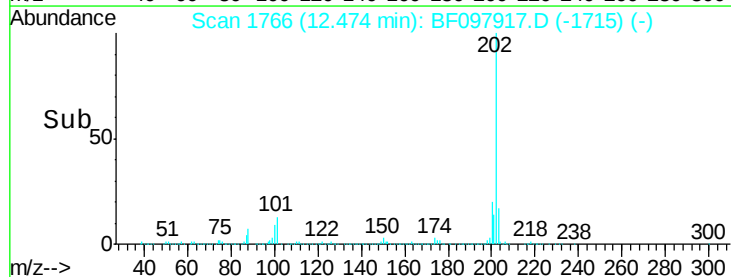
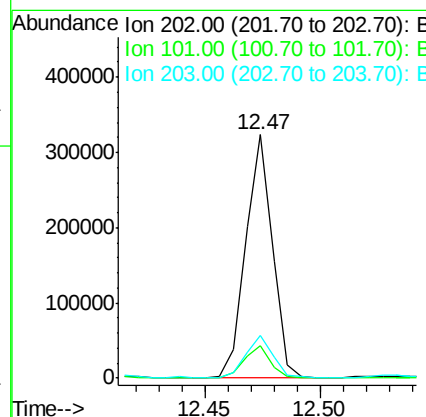
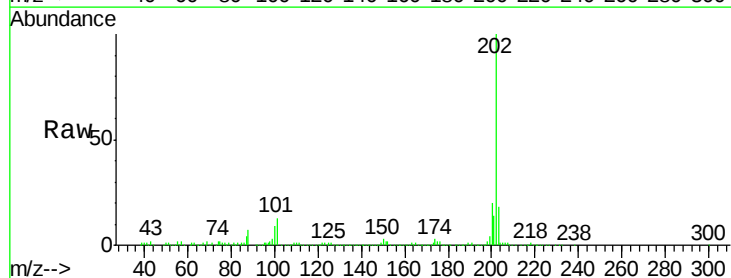
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

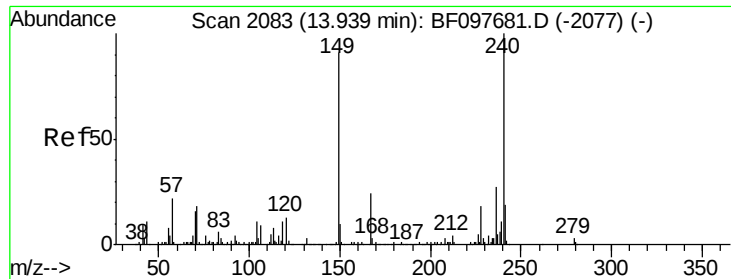
Tot Ion:178 Resp: 47891
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.3 12.7 19.1



#74
 Fluoranthene
 Concen: 16.43 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion:202 Resp: 260011
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

Instrument :

BNA_F

ClientSampleId :

CL-02-081717-E

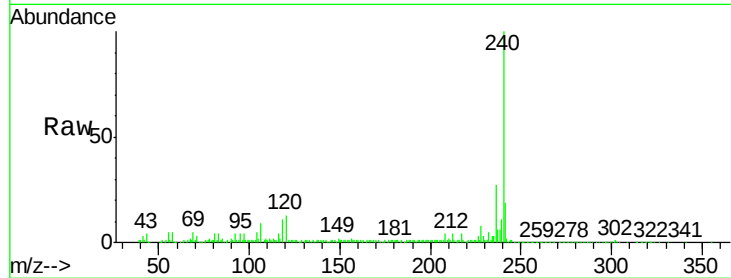
Tot Ion:240 Resp: 230597

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

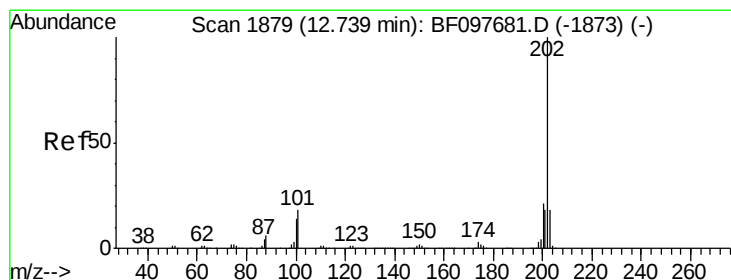
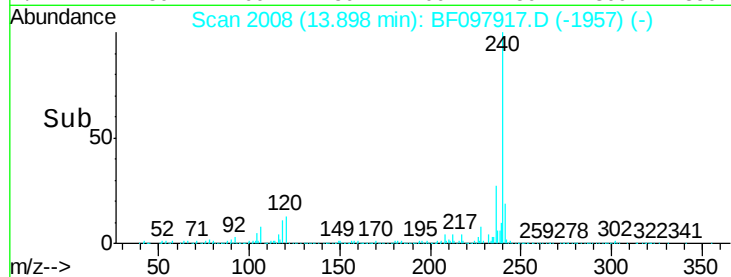
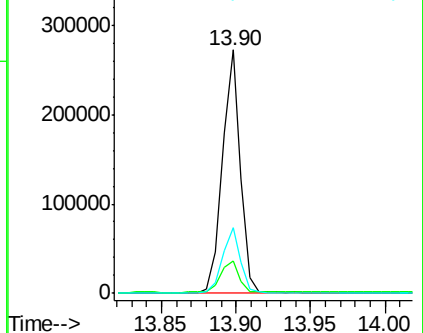
236 26.8 20.5 30.7



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: 15.84 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097917.D

Acq: 21 Aug 2017 20:47

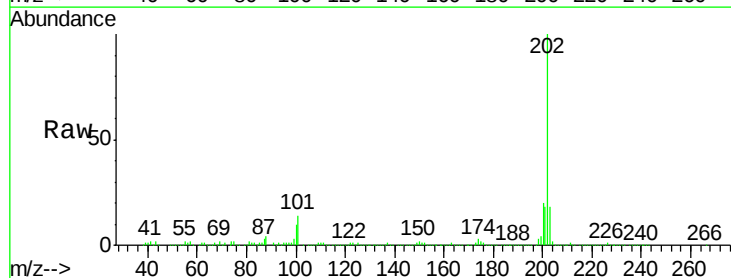
Tgt Ion:202 Resp: 298714

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

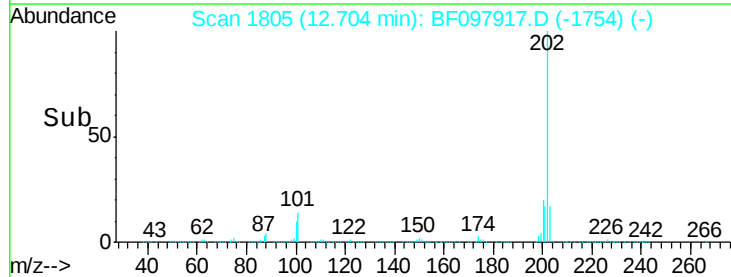
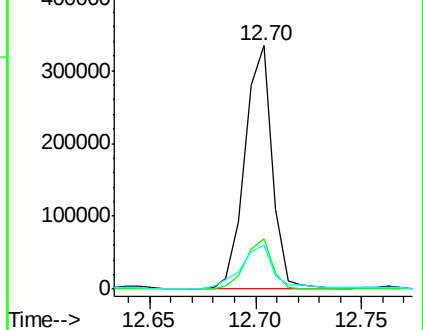
203 18.0 14.4 21.6

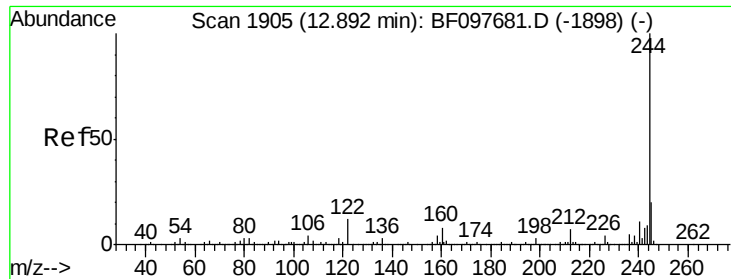


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

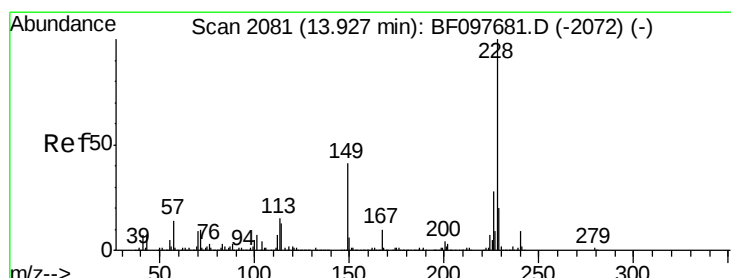
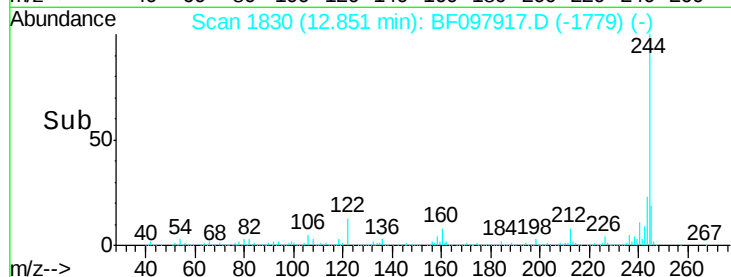
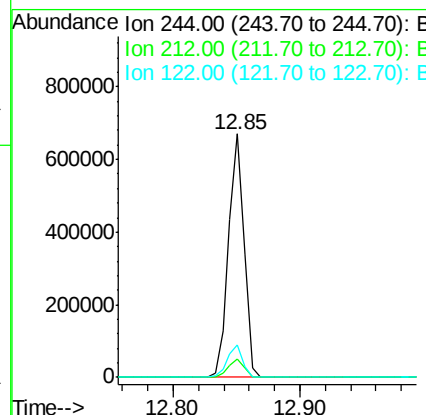
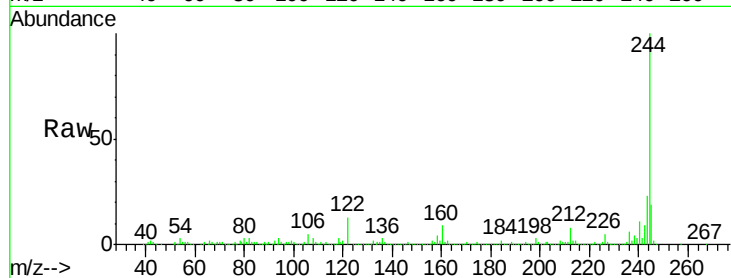




#78
 Terphenyl-d14
 Concen: 51.78 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

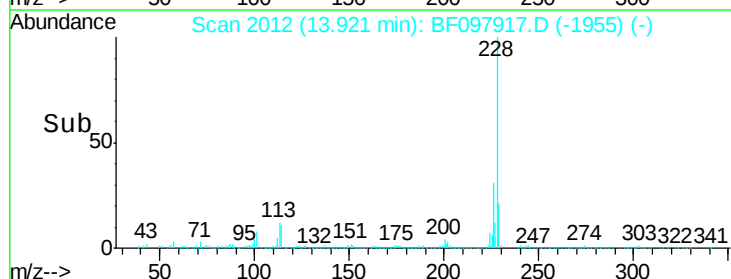
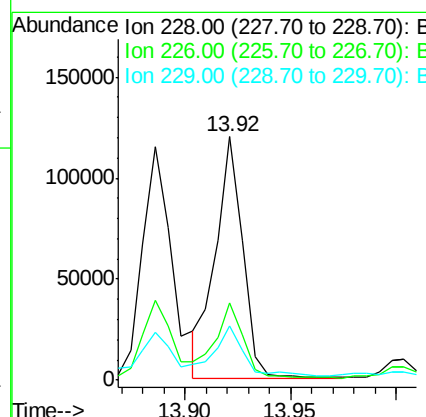
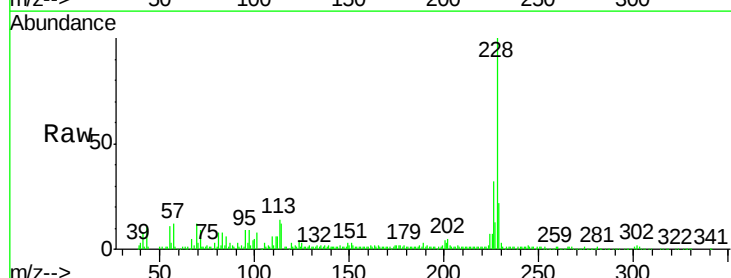
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-E

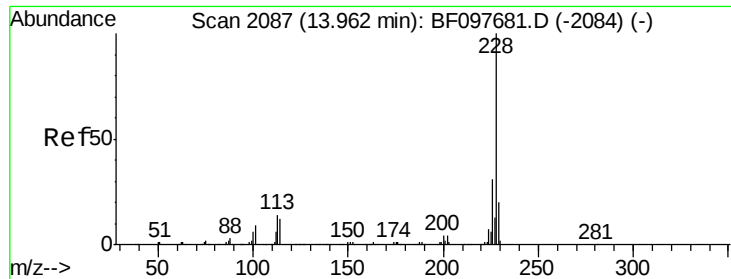
Tot Ion:244 Resp: 572584
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 7.81 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.04 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

Tgt Ion:228 Resp: 107905
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.6 33.8
 229 22.5 16.3 24.5

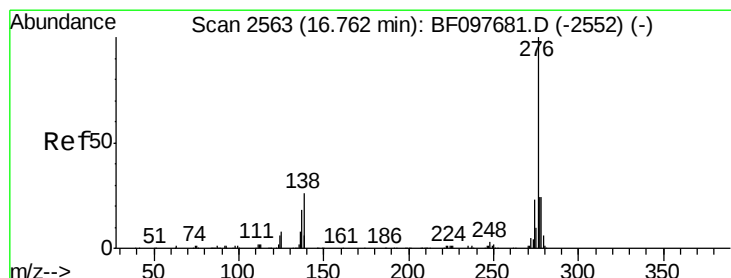
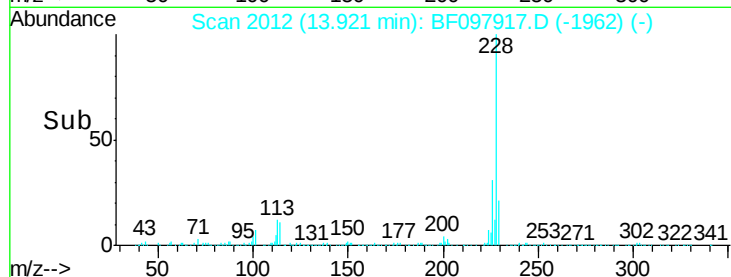
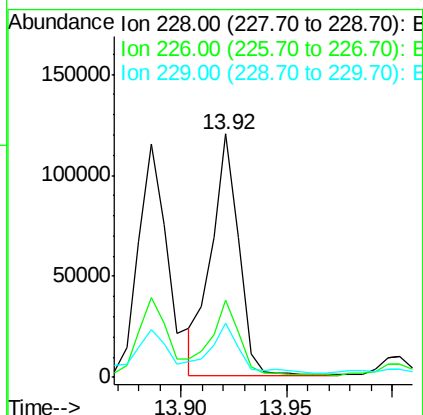
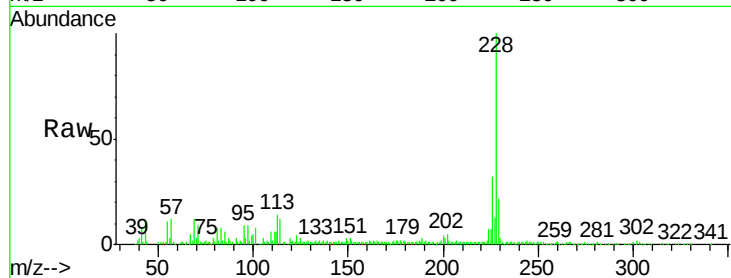




#82
Chrysene
Concen: 7.85 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

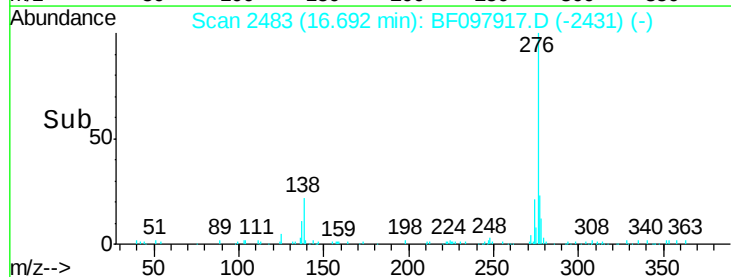
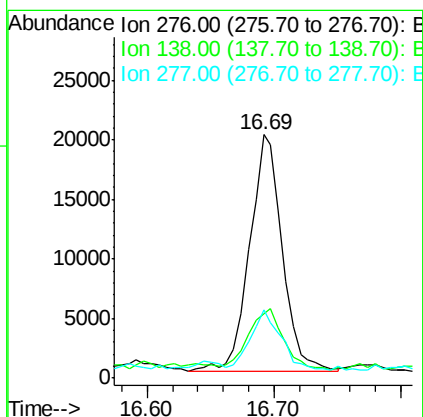
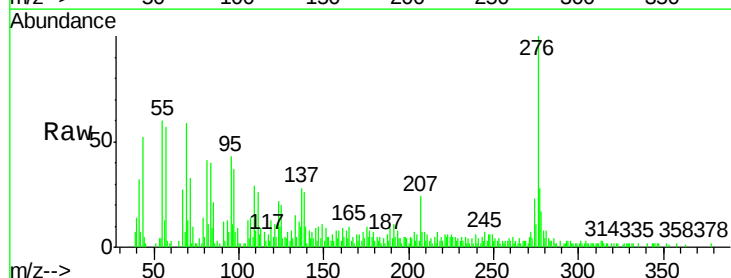
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

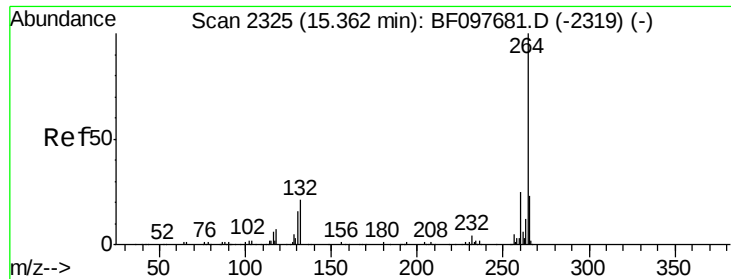
Tot Ion:228	Resp:	107905
Ion Ratio	Lower	Upper
228	100	
226	31.6	24.9 37.3
229	22.5	15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion:276	Resp:	35560
Ion Ratio	Lower	Upper
276	100	
138	27.8	27.8 41.6
277	23.3	20.2 30.4

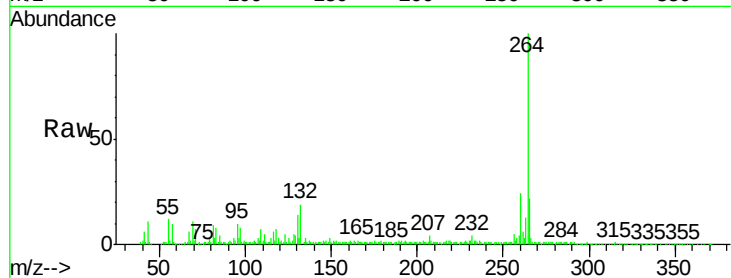




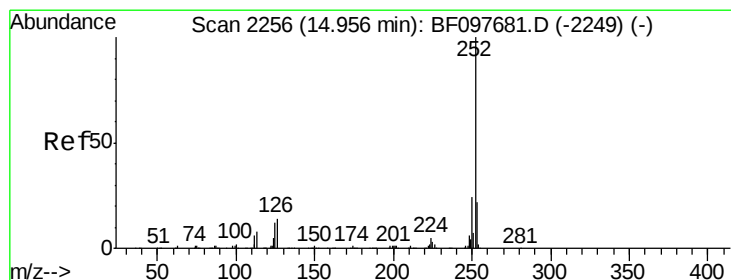
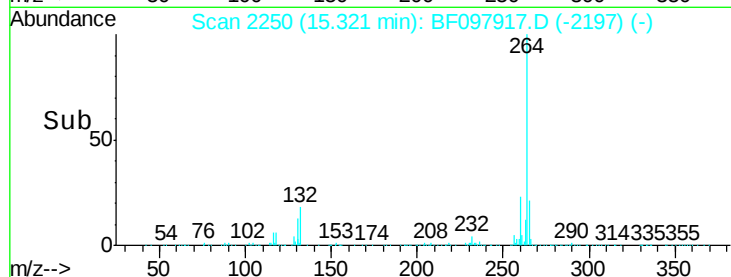
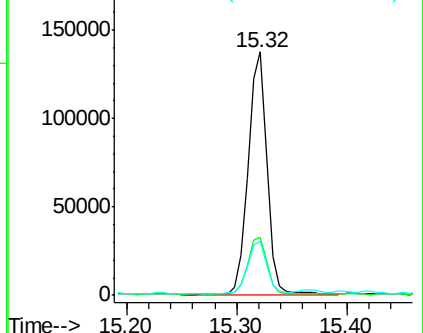
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

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

Tot Ion:264 Resp: 164522
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 22.0 17.2 25.8

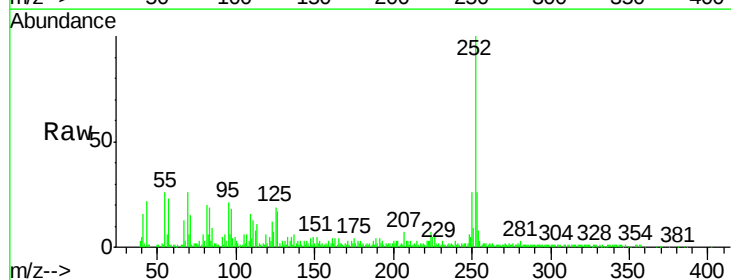


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

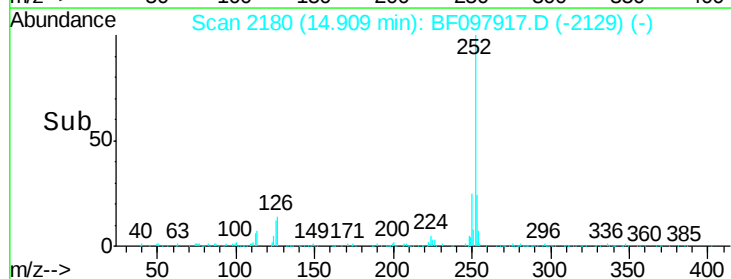
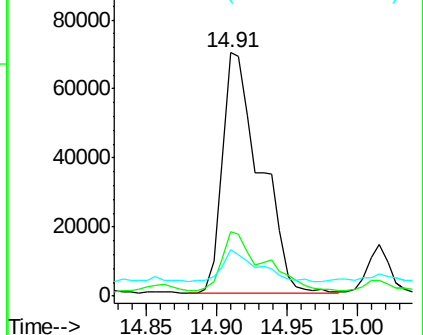


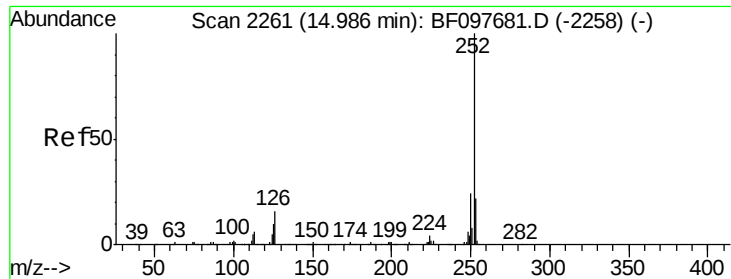
#87
Benzo(b)fluoranthene
Concen: 12.57 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion:252 Resp: 130395
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 19.1 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

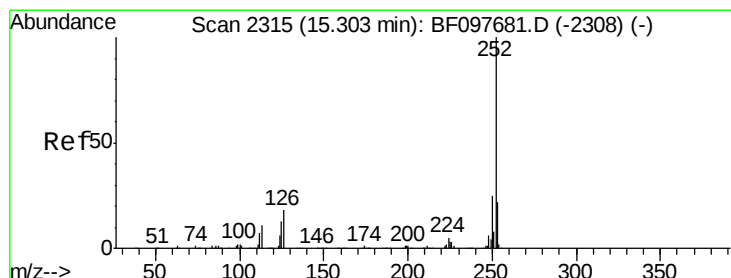
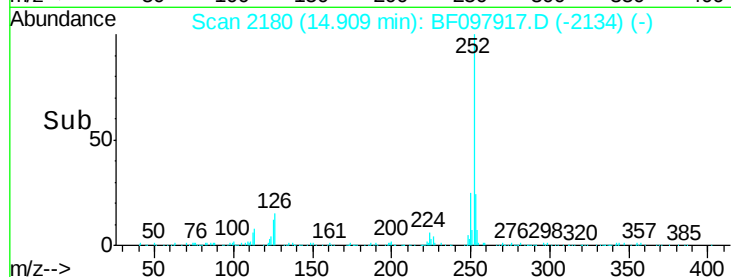
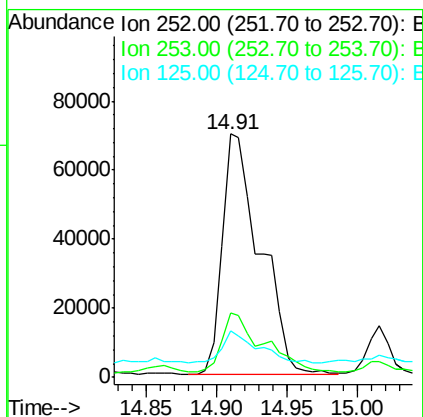
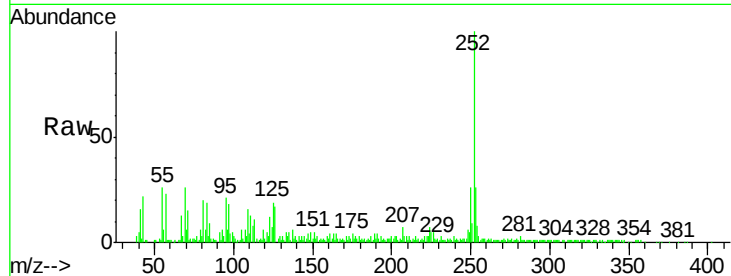




#88
Benzo(k)fluoranthene
Concen: 13.38 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

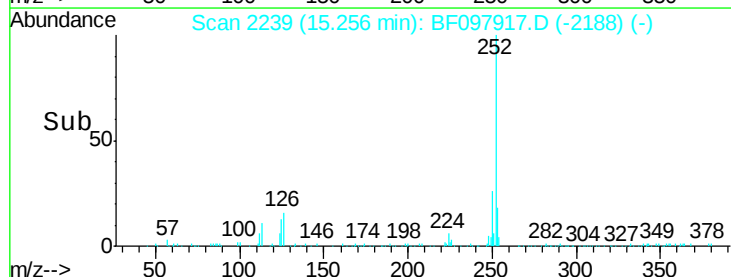
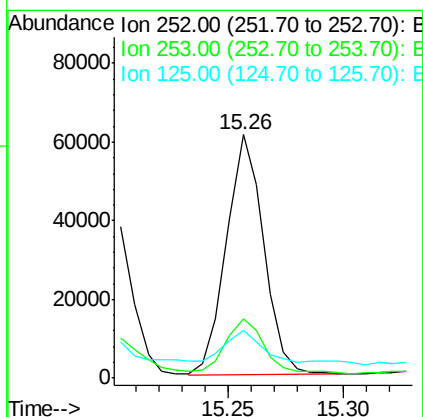
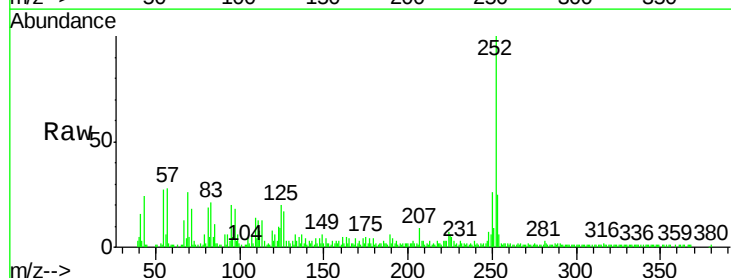
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-E

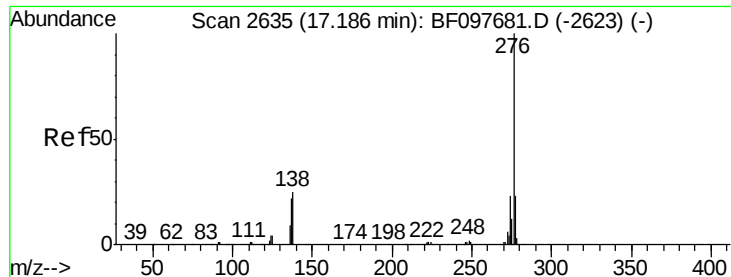
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.4	27.6
125	19.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 7.47 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097917.D
Acq: 21 Aug 2017 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	19.6	11.0	16.4

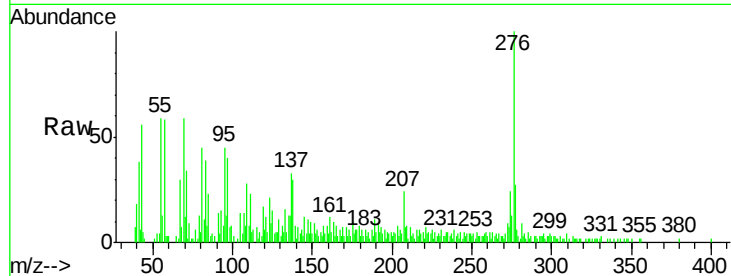




#91
 Benzo(a,h,i)perylene
 Concen: 4.68 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: BF097917.D
 Acq: 21 Aug 2017 20:47

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

Tot Ion:	276	Resp:	36513
Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	29.9	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

