

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097781.D
 Acq On : 17 Aug 2017 11:29
 Operator : SJ/JU
 Sample : I4797-03 10X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 14:57:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

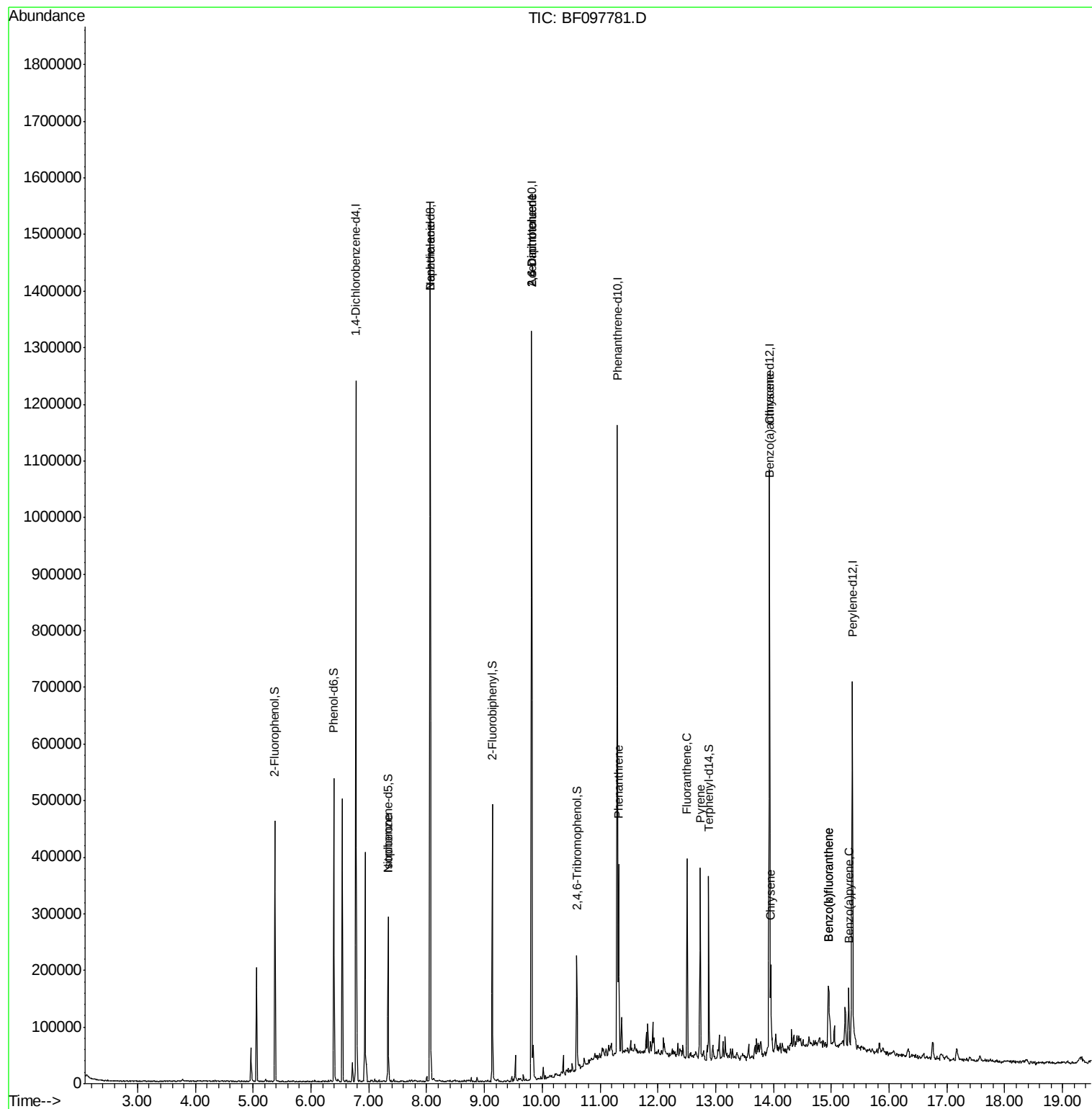
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	163008	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	598027	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	236605	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	360782	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313429	20.00	ng	0.00
86) Perylene-d12	15.36	264	270643	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	115457	10.77	ng	-0.01
7) Phenol-d6	6.40	99	155131	10.65	ng	-0.01
23) Nitrobenzene-d5	7.33	82	91164	8.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	16720	8.14	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	146909	9.12	ng	-0.01
78) Terphenyl-d14	12.88	244	80040	5.33	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	91018	3.976	ng	# 67
32) Benzoic acid	8.06	122	113	6.418	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	30266	8.767	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	30266	6.986	ng	# 33
70) Phenanthrene	11.32	178	102581	5.336	ng	98
74) Fluoranthene	12.50	202	132489	6.603	ng	98
77) Pyrene	12.73	202	125503	4.896	ng	96
80) Benzo(a)anthracene	13.92	228	62594	3.332	ng	96
82) Chrysene	13.96	228	51737	2.769	ng	97
87) Benzo(b)fluoranthene	14.95	252	78463	4.599	ng	99
88) Benzo(k)fluoranthene	14.95	252	78463	4.896	ng	# 95
89) Benzo(a)pyrene	15.30	252	42253	2.798	ng	96

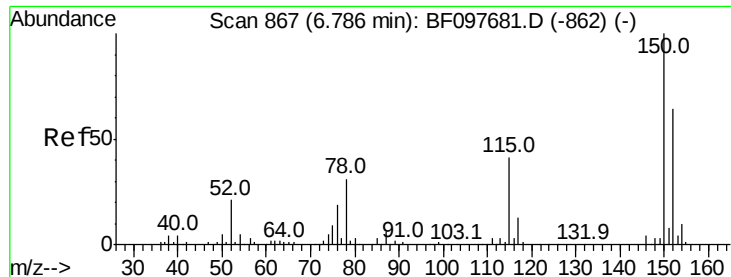
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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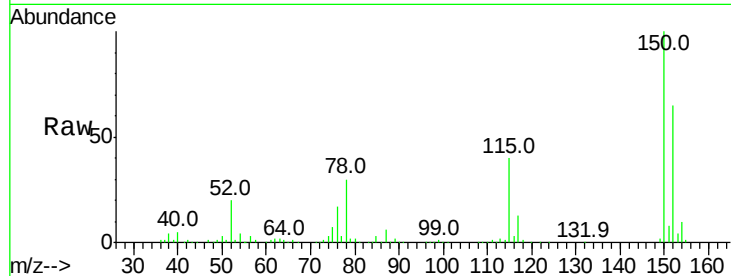


#1

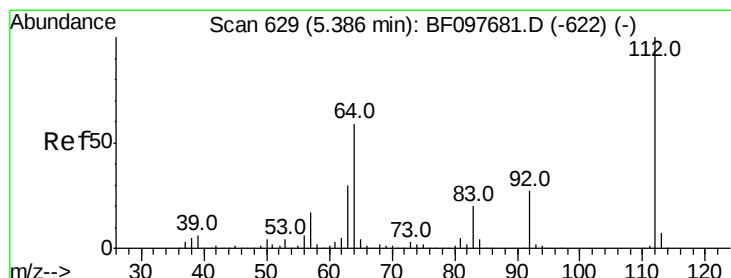
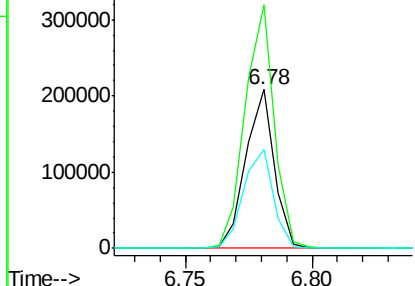
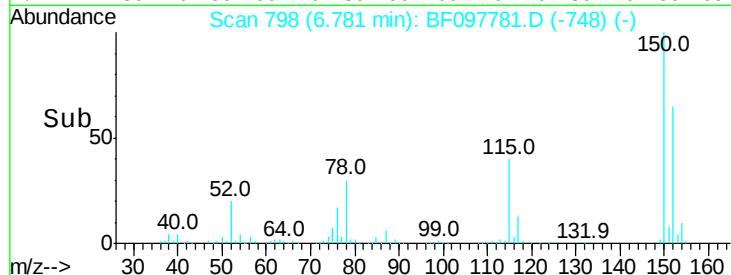
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 163008
 Ion Ratio Lower Upper
 152 100
 150 153.5 126.2 189.2
 115 62.1 52.2 78.2



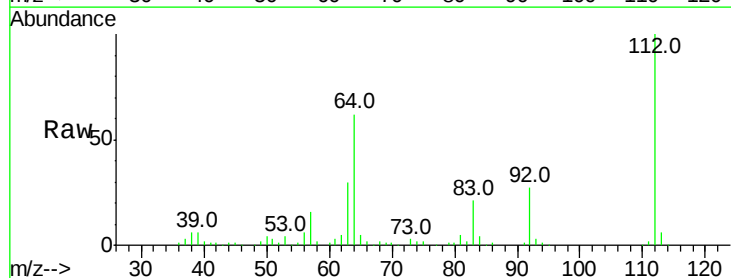
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



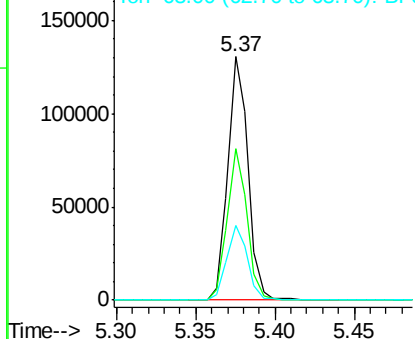
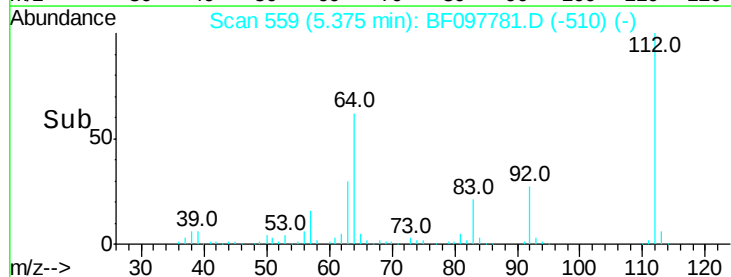
#5

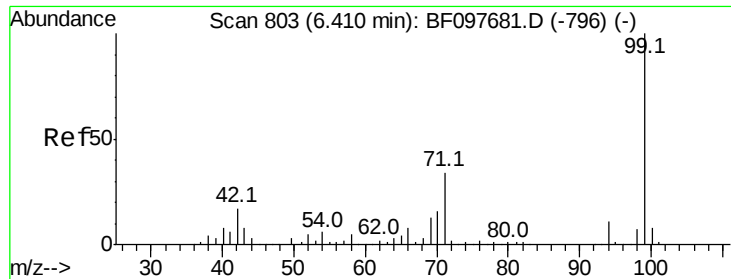
2-Fluorophenol
 Concen: 10.774 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Tgt Ion:112 Resp: 115457
 Ion Ratio Lower Upper
 112 100
 64 62.5 46.0 69.0
 63 30.5 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: 10.654 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampled :

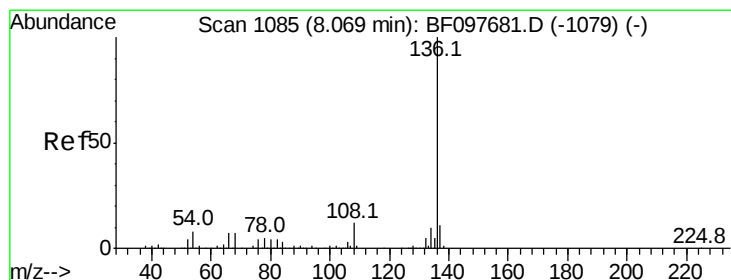
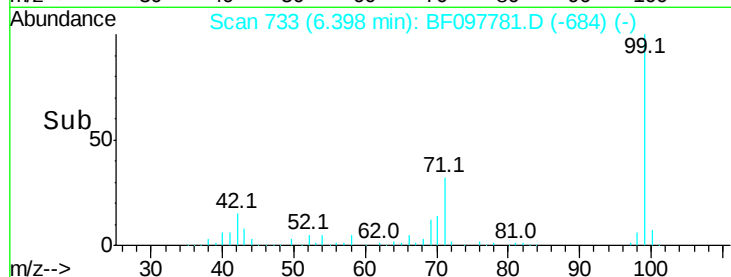
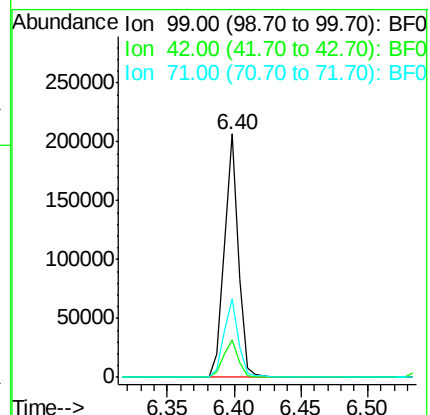
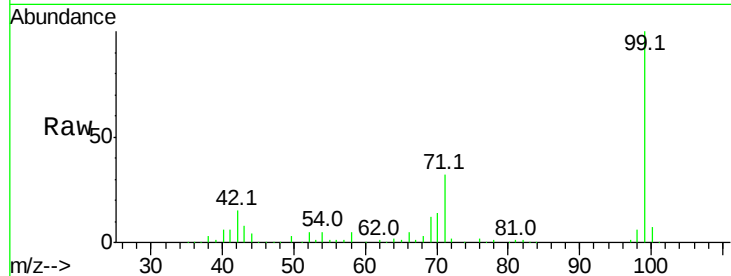
Tot Ion: 99 Resp: 155131

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

71 32.1 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Tgt Ion: 136 Resp: 598027

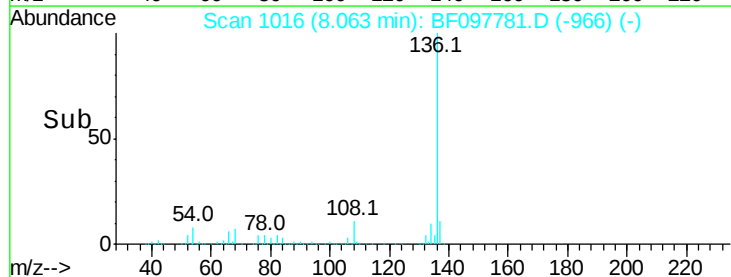
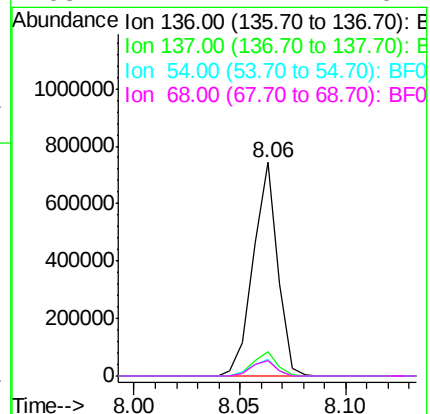
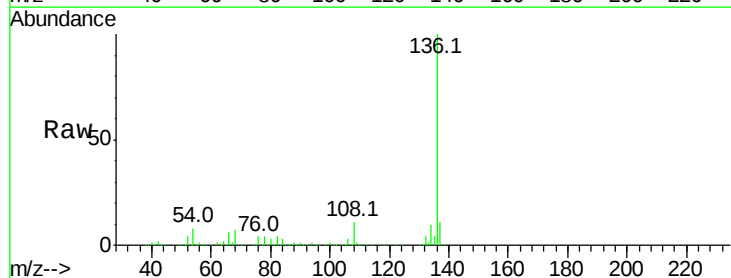
Ion Ratio Lower Upper

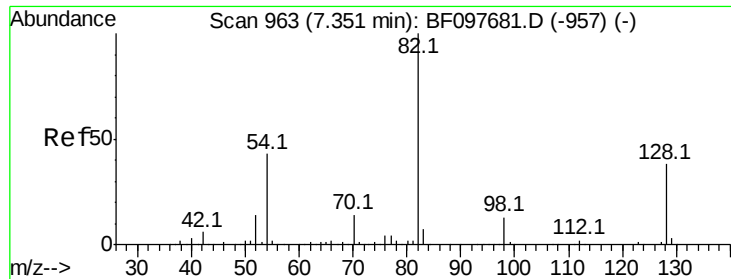
136 100

137 11.2 8.5 12.7

54 7.6 4.9 7.3#

68 7.4 4.1 6.1#

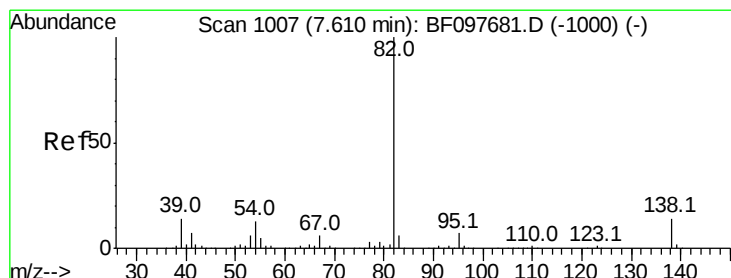
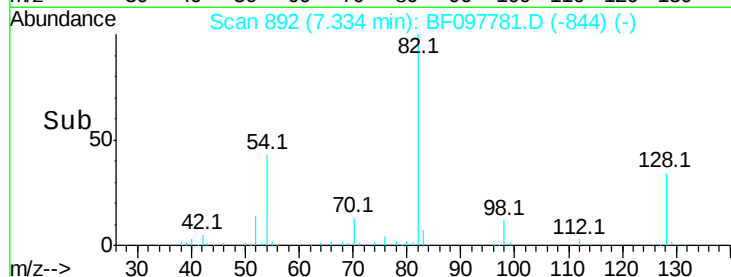
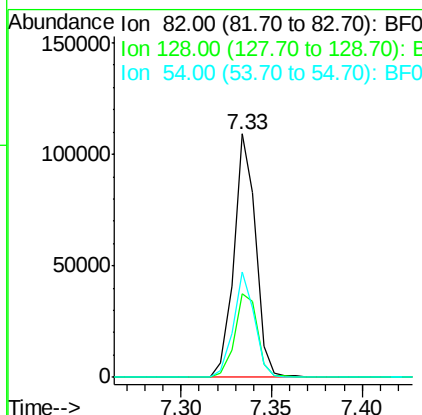
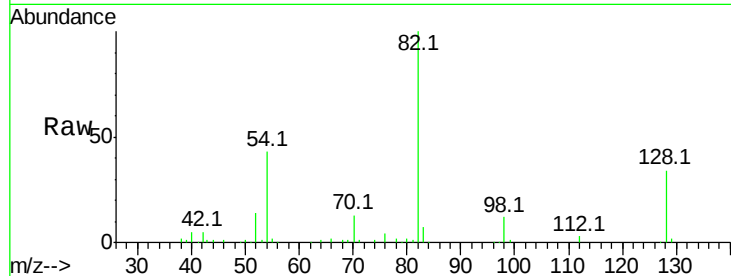




#23
 Nitrobenzene-d5
 Concen: 8.281 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

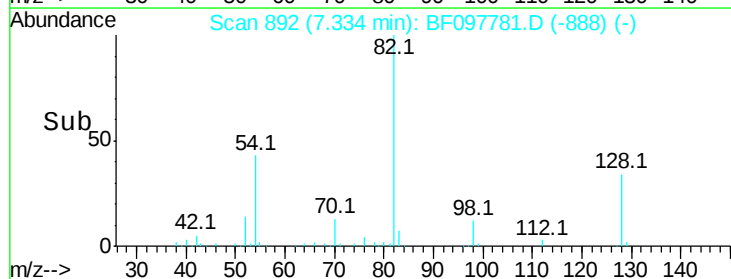
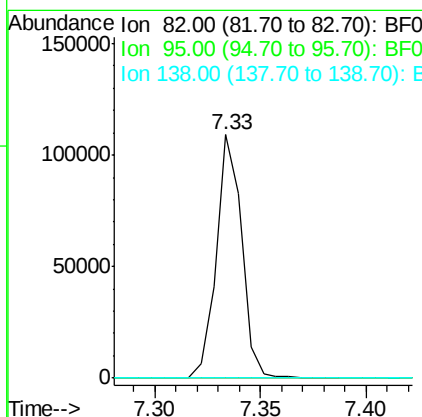
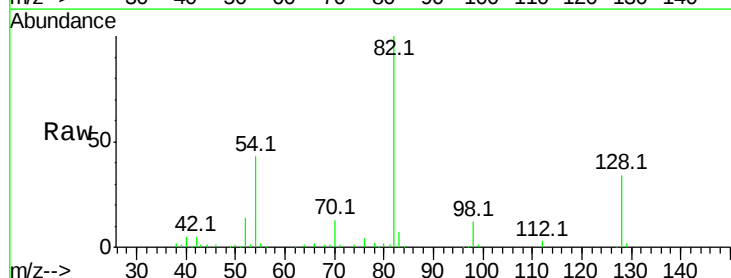
Instrument :
 BNA_F
 ClientSampled :

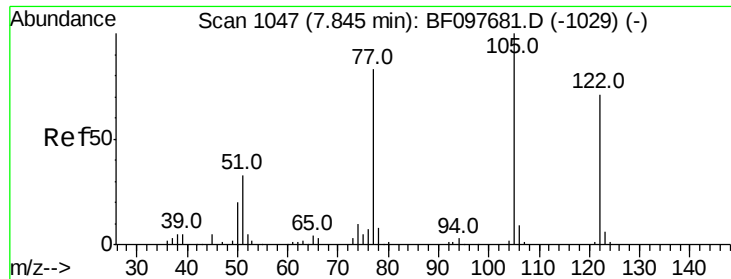
Tot Ion	82	Resp	91164
Ion Ratio	100	Lower	Upper
128	34.3	34.0	51.0
54	43.4	42.2	63.2



#25
 Isophorone
 Concen: 3.976 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.28 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Tgt Ion	82	Resp	91018
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

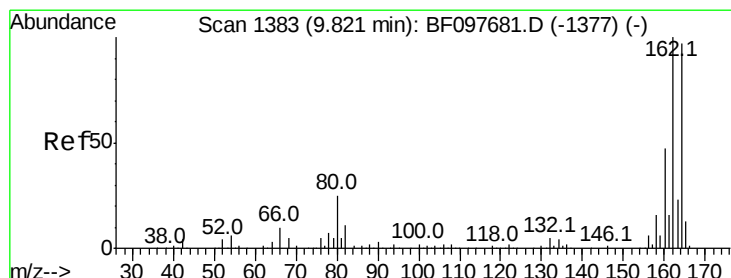
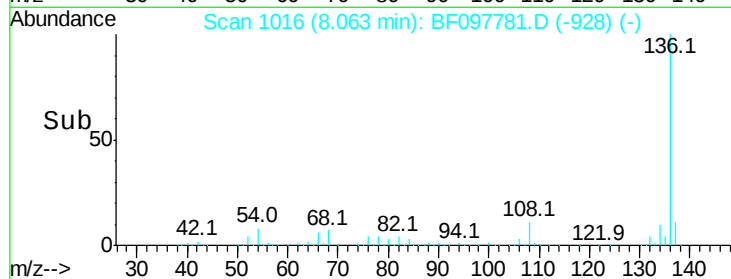
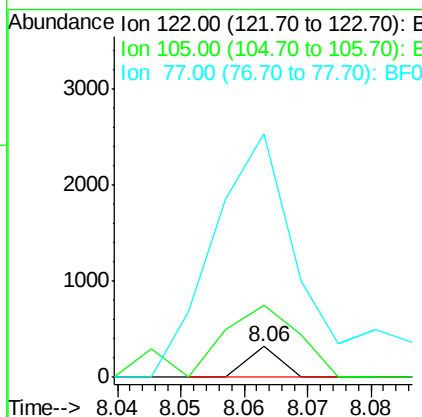
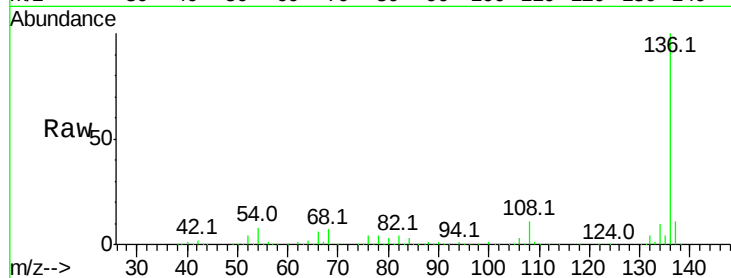




#32
Benzoic acid
Concen: 6.418 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.22 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

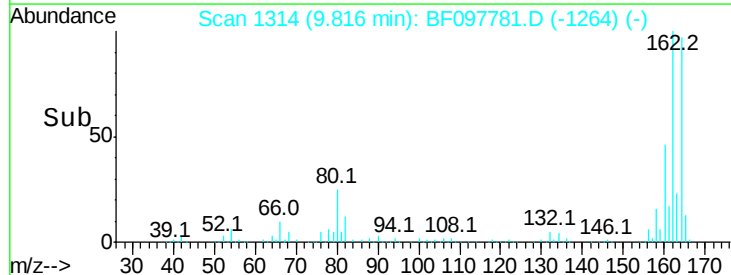
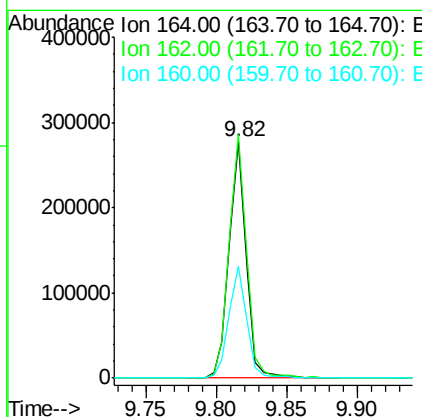
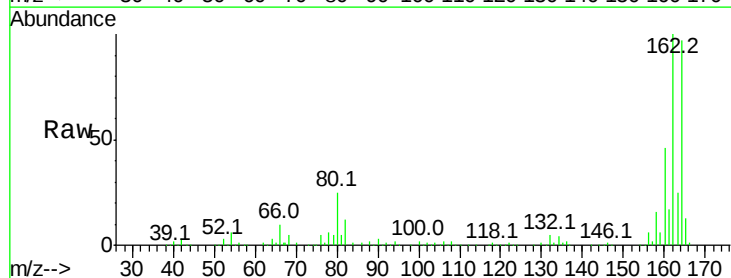
Instrument :
BNA_F
ClientSampleId :

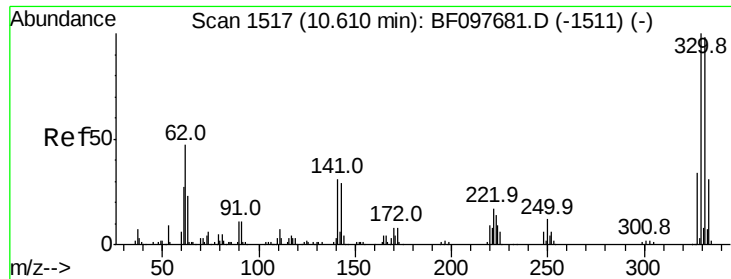
Tot Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 236.6 103.3 143.3#
77 793.1 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:164 Resp: 236605
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 47.2 36.2 54.2

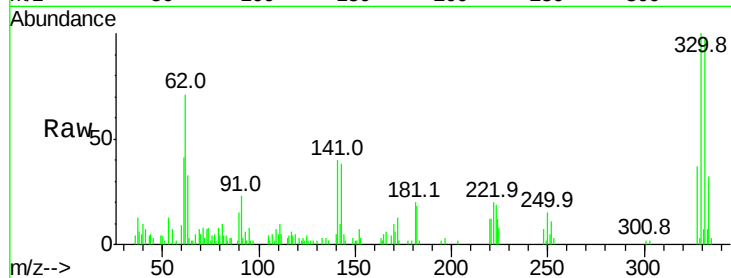




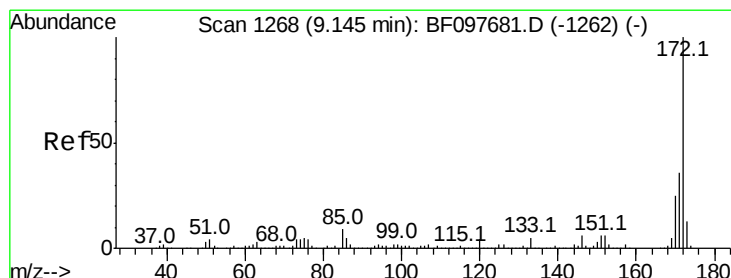
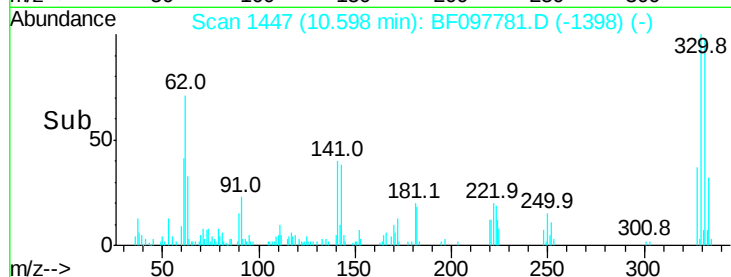
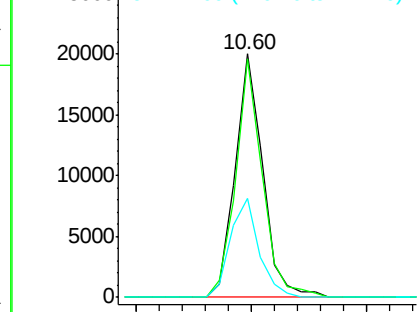
#41
 2,4,6-Tribromophenol
 Concen: 8.144 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	41.7	31.4	47.2

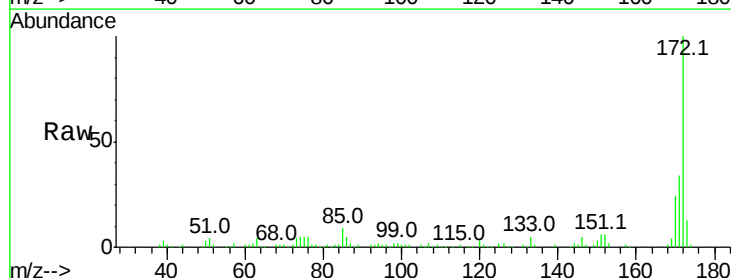


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

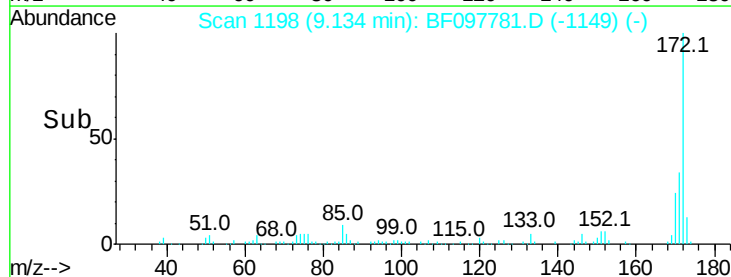
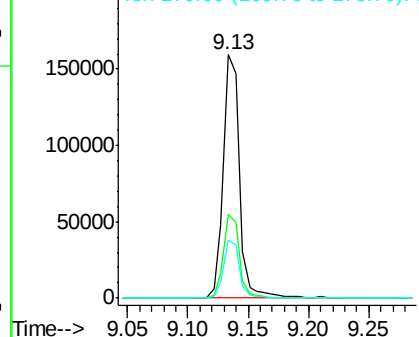


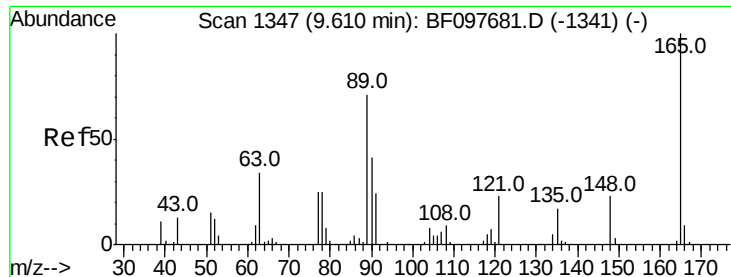
#44
 2-Fluorobiphenyl
 Concen: 9.122 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.8	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

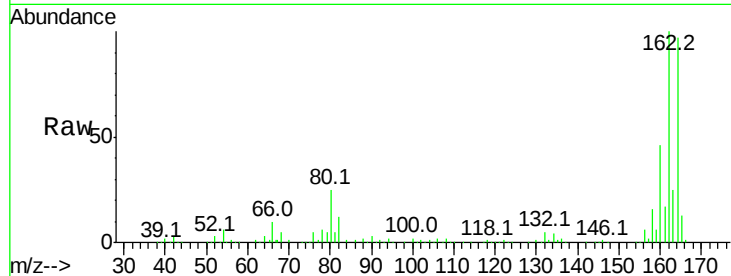




#50
 2,6-Dinitrotoluene
 Concen: 8.767 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :

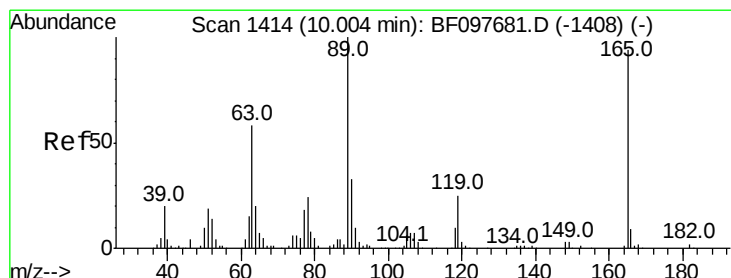
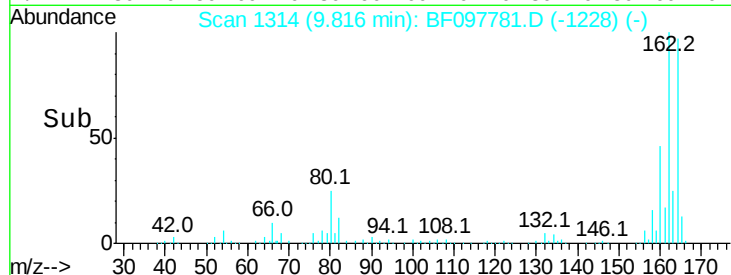
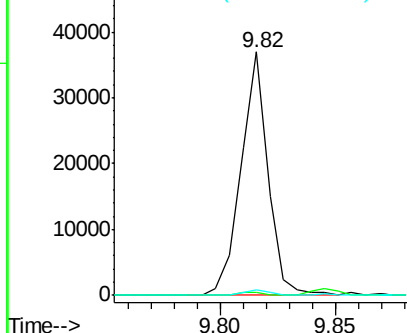
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	2.0	37.1	55.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.986 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

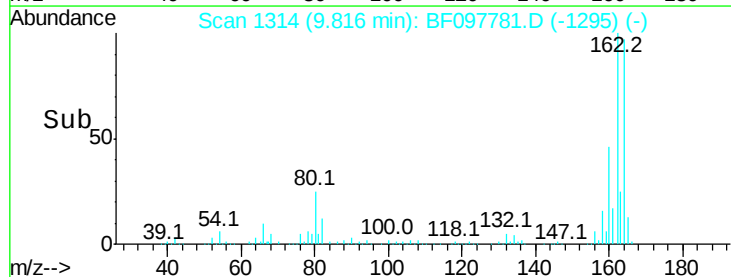
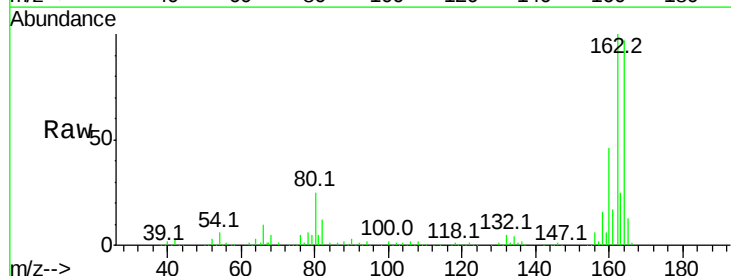
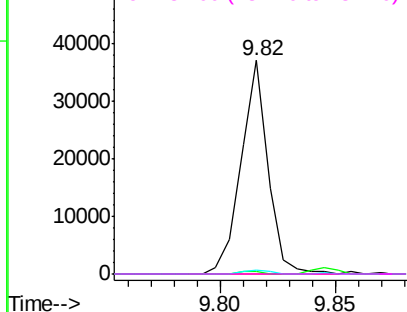
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

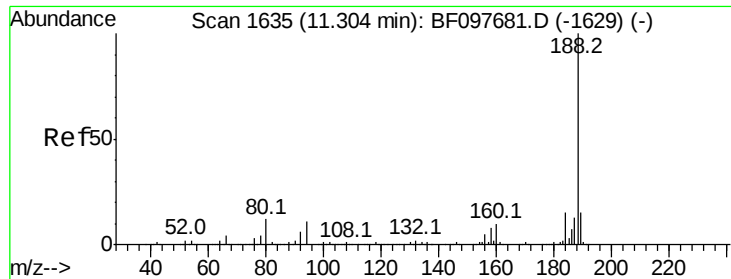
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

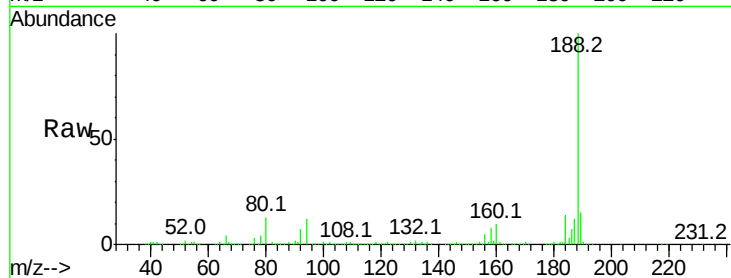




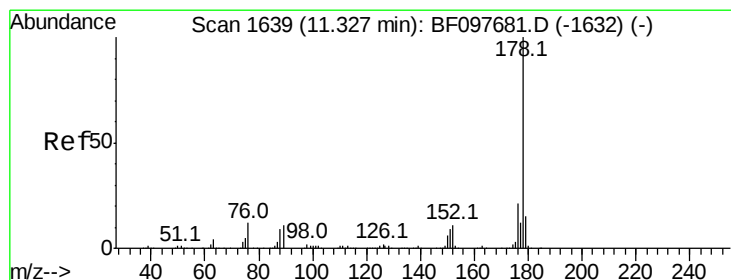
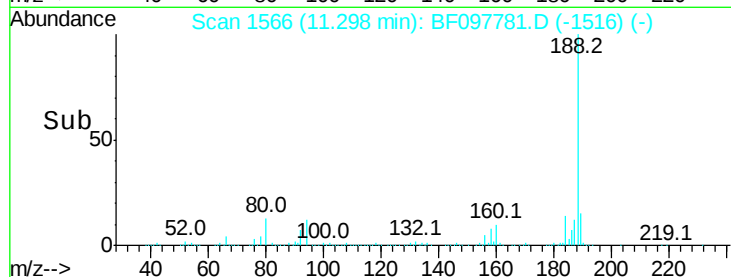
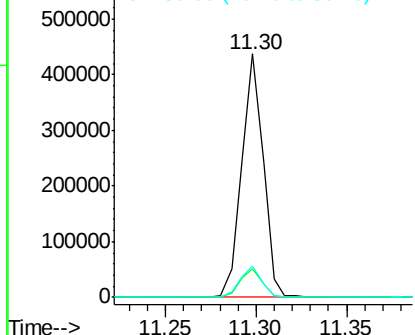
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 360782
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 12.8 10.2 15.2

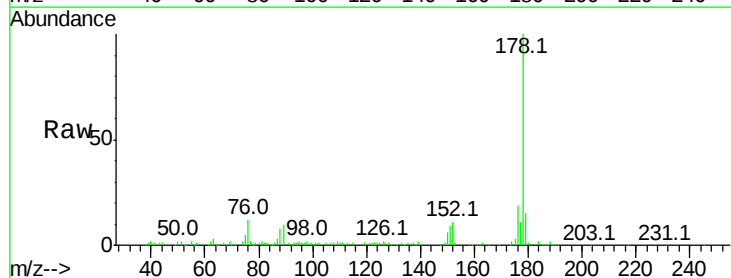


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

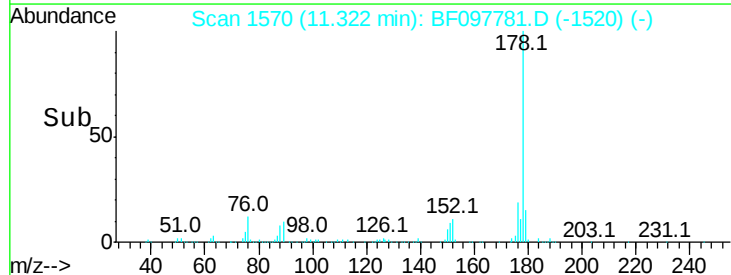
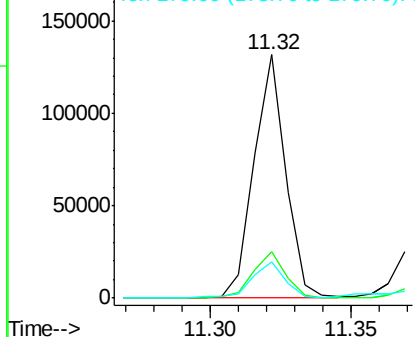


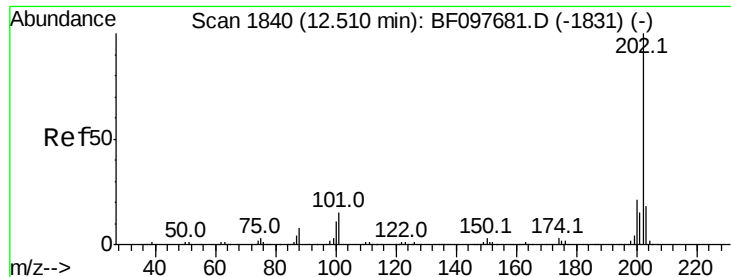
#70
 Phenanthrene
 Concen: 5.336 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF097781.D
 Acq: 17 Aug 2017 11:29

Tgt Ion:178 Resp: 102581
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 14.6 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





#74

Fluoranthene

Concen: 6.603 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097781.D

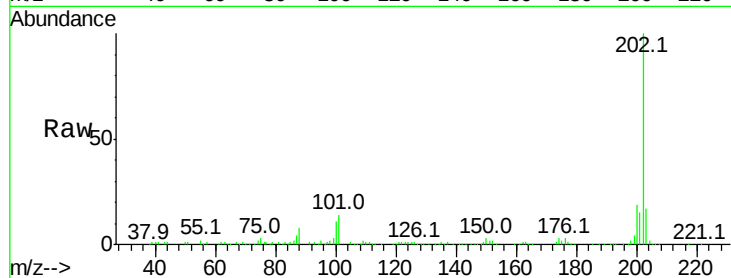
Acq: 17 Aug 2017 11:29

Instrument :

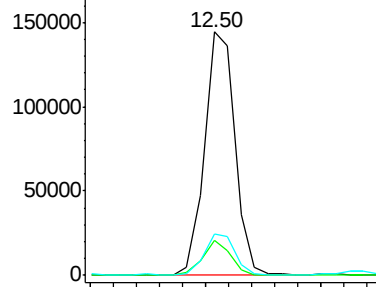
BNA_F

ClientSampleId :

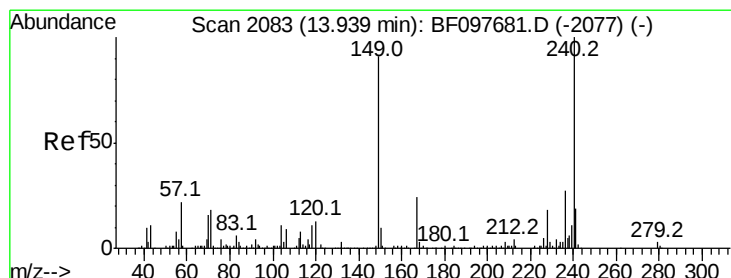
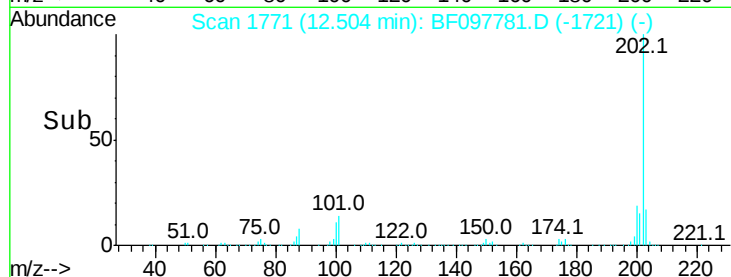
Tot Ion:	202	Resp:	132489
Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.2	0.0	38.1



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



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

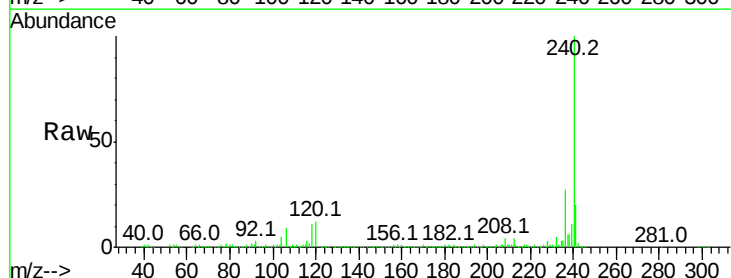
RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

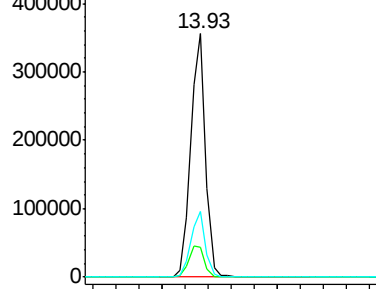
Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

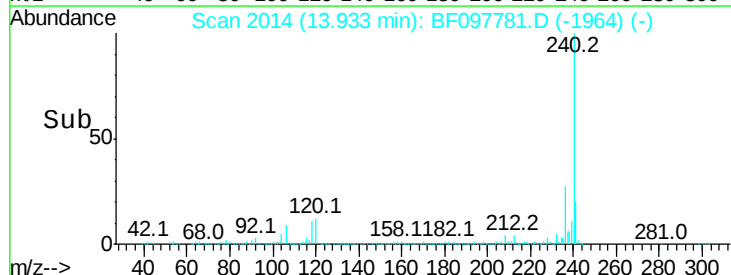
Tgt Ion:	240	Resp:	313429
Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.8	8.8#
236	27.0	20.5	30.7

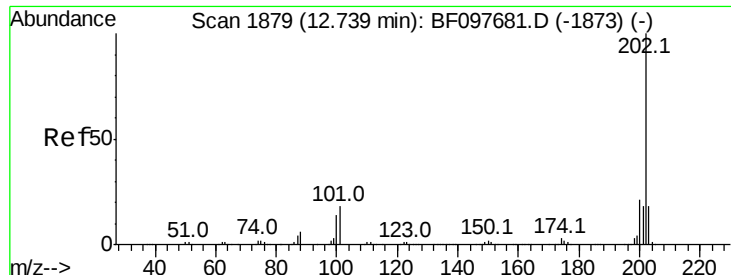


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 4.896 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

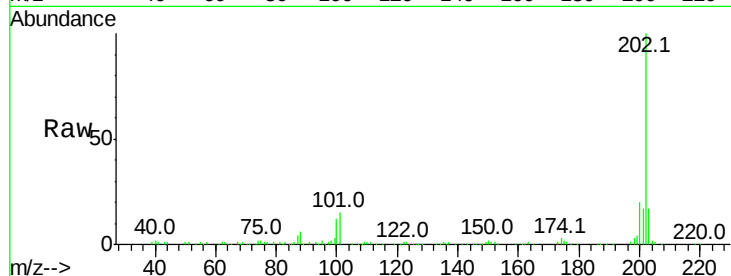
Tot Ion:202 Resp: 125503

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

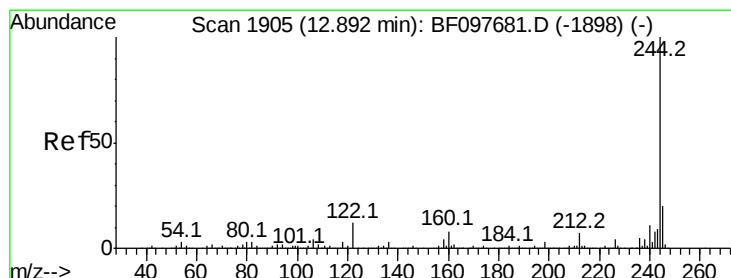
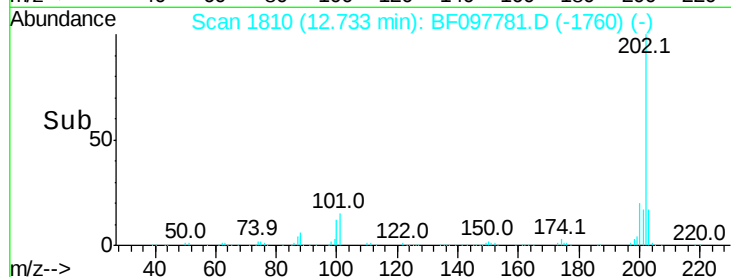
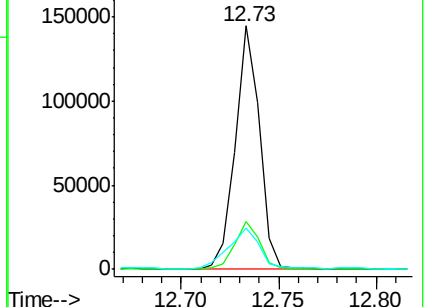
203 17.1 14.4 21.6



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: 5.325 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

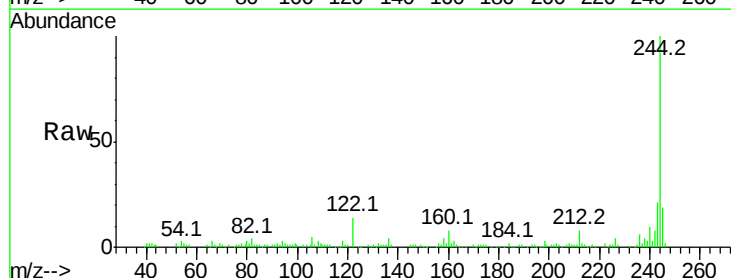
Tgt Ion:244 Resp: 80040

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

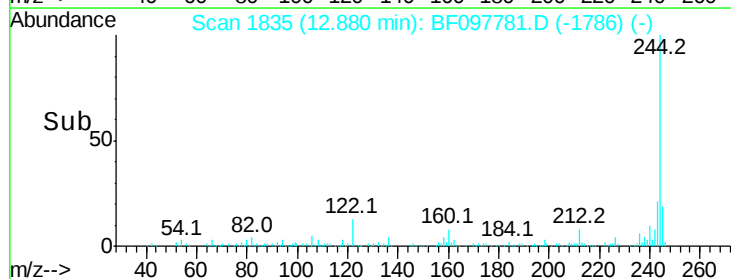
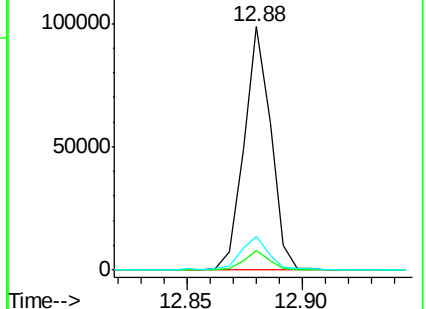
122 13.7 10.3 15.5

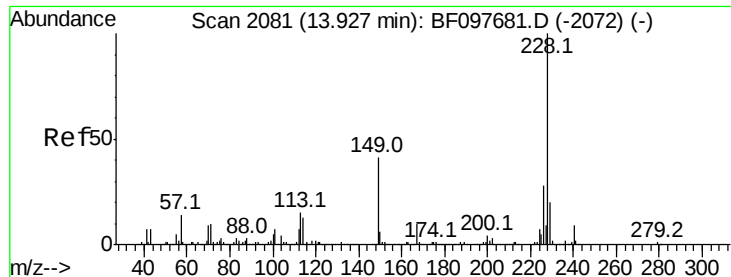


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.332 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

Instrument :

BNA_F

ClientSampleId :

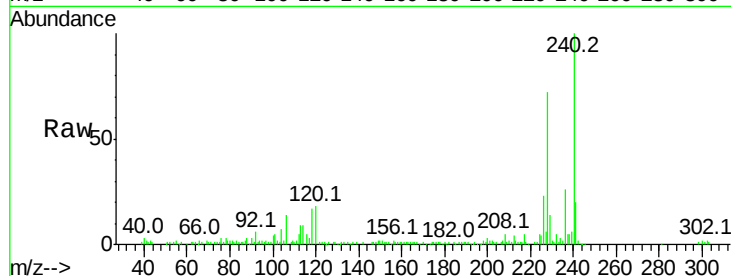
Tot Ion:228 Resp: 62594

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

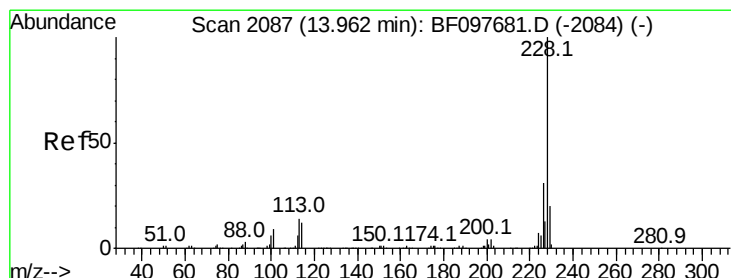
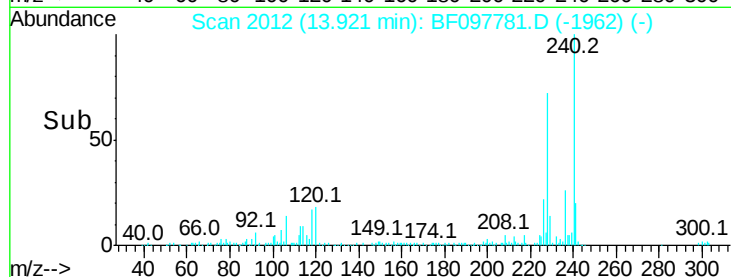
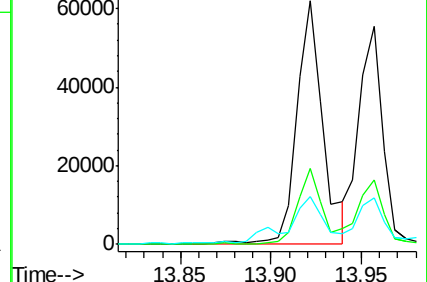
229 19.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.769 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097781.D

Acq: 17 Aug 2017 11:29

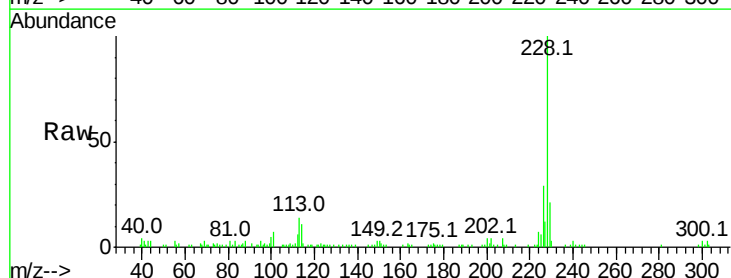
Tgt Ion:228 Resp: 51737

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

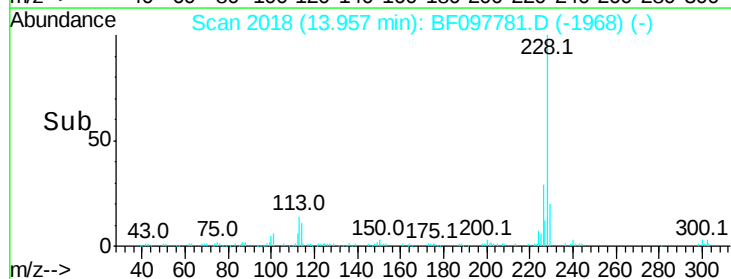
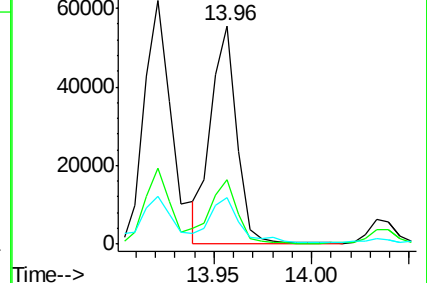
229 21.1 15.8 23.6

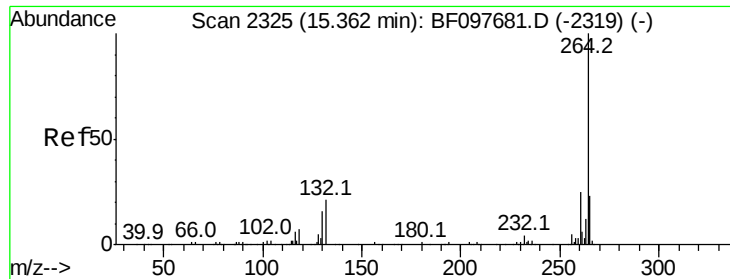


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

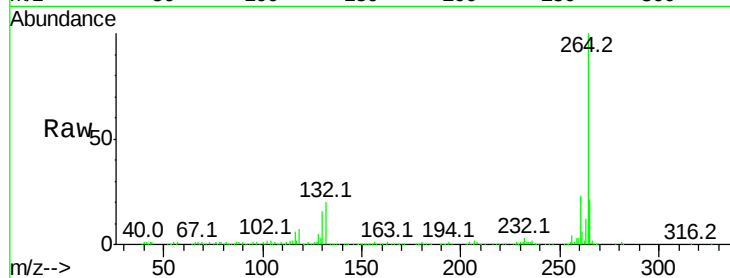




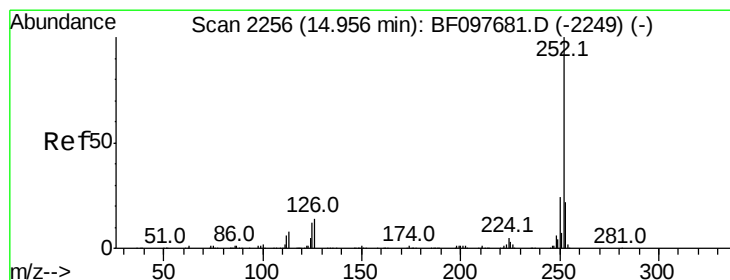
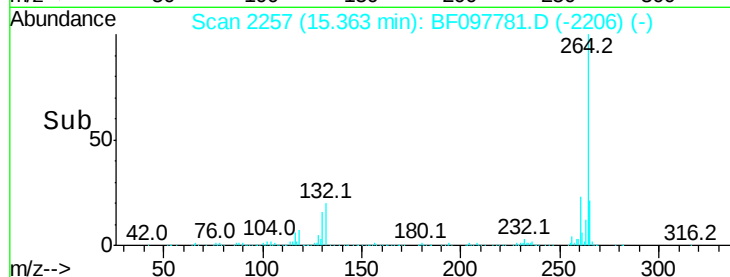
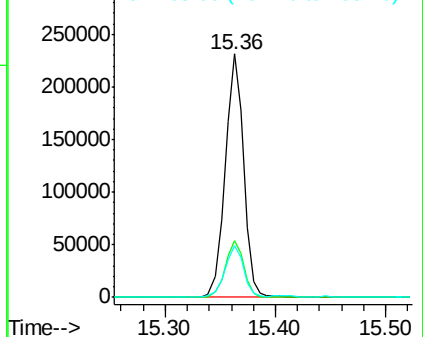
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 270643
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.4 17.2 25.8

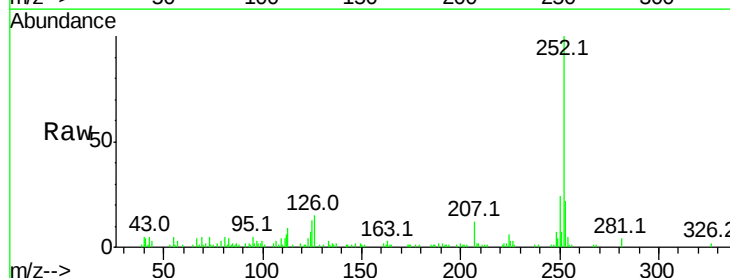


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

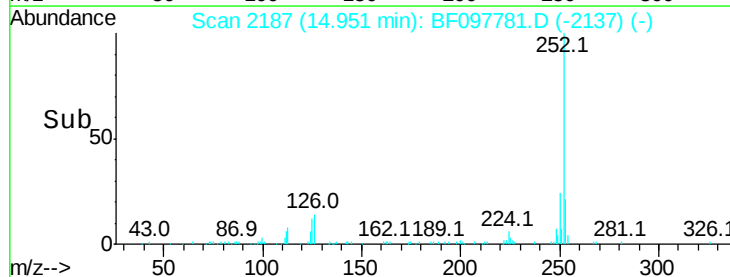
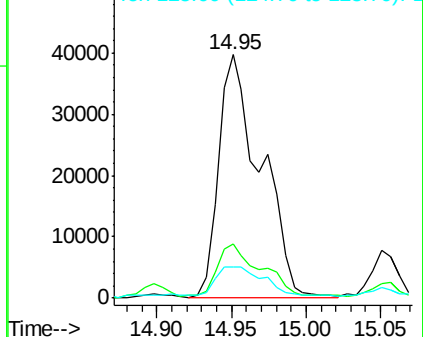


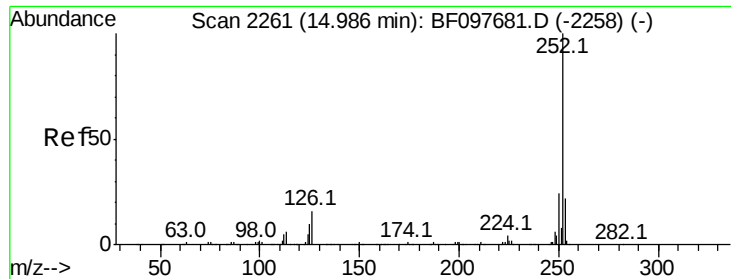
#87
Benzo(b)fluoranthene
Concen: 4.599 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:252 Resp: 78463
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 12.6 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

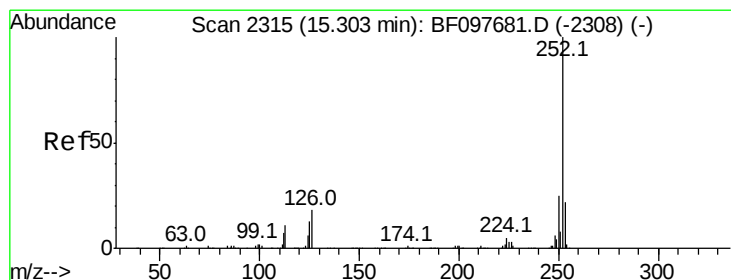
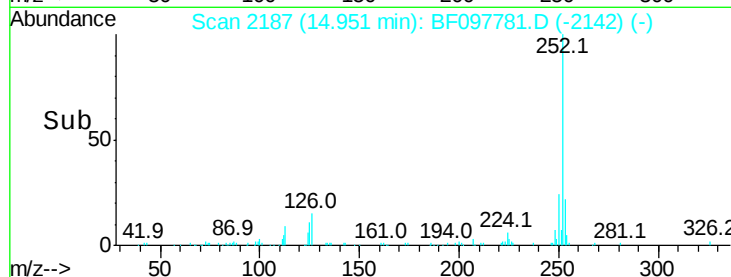
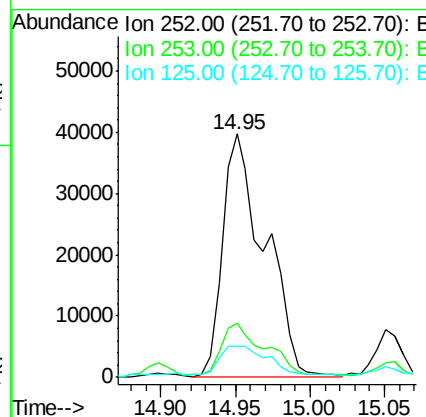
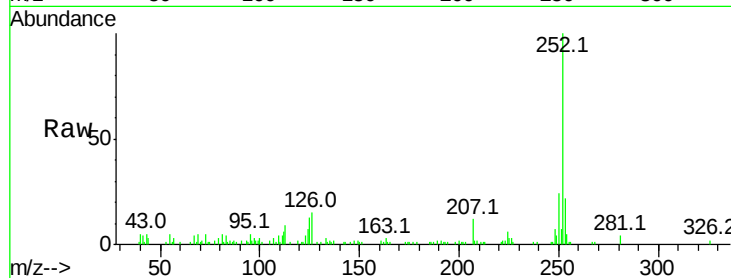




#88
Benzo(k)fluoranthene
Concen: 4.896 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 78463
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 12.6 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.798 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097781.D
Acq: 17 Aug 2017 11:29

Tgt Ion:252 Resp: 42253
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 12.9 11.0 16.4

