

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097981.D
 Acq On : 23 Aug 2017 4:10
 Operator : SJ/JU
 Sample : I4908-04 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-B

Quant Time: Aug 23 04:53:46 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

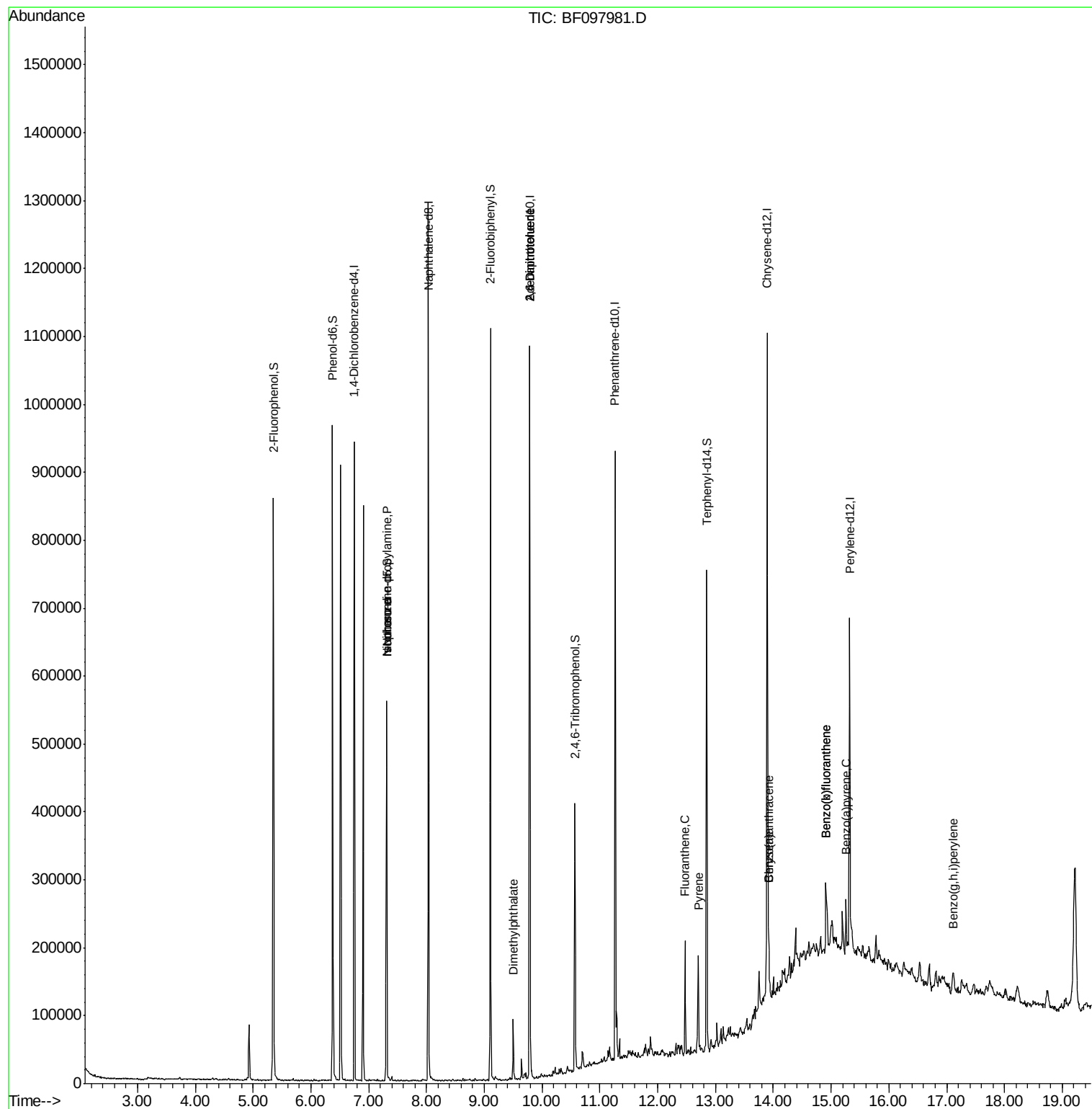
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	135752	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	509551	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	203005	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	321440	20.00	ng	0.00
75) Chrysene-d12	13.90	240	288963	20.00	ng	0.00
86) Perylene-d12	15.32	264	219147	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	236603	26.51	ng	0.00
7) Phenol-d6	6.37	99	309327	25.51	ng	-0.01
23) Nitrobenzene-d5	7.31	82	181154	19.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	35424	20.11	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	312208	22.60	ng	0.00
78) Terphenyl-d14	12.85	244	208708	15.06	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	24342	2.93	ng	# 71
25) Isophorone	7.31	82	175741	9.01	ng	# 67
49) Dimethylphthalate	9.50	163	35030	2.36	ng	99
50) 2,6-Dinitrotoluene	9.79	165	25814	8.72	ng	# 34
56) 2,4-Dinitrotoluene	9.79	165	25814	6.94	ng	# 33
74) Fluoranthene	12.47	202	59379	3.32	ng	99
77) Pyrene	12.70	202	58382	2.47	ng	98
80) Benzo(a)anthracene	13.92	228	35910	2.07	ng	97
82) Chrysene	13.92	228	35910	2.08	ng	96
87) Benzo(b)fluoranthene	14.92	252	66729	4.83	ng	97
88) Benzo(k)fluoranthene	14.92	252	66729	5.14	ng	95
89) Benzo(a)pyrene	15.26	252	32342	2.64	ng	96
91) Benzo(a,h,i)perylene	17.11	276	20779	2.00	ng	96

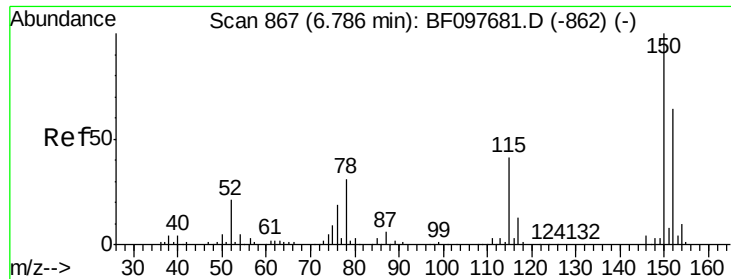
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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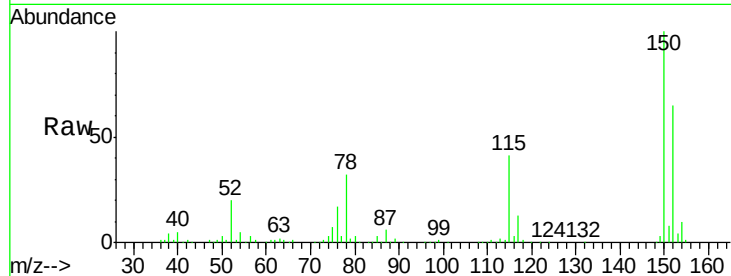


#1

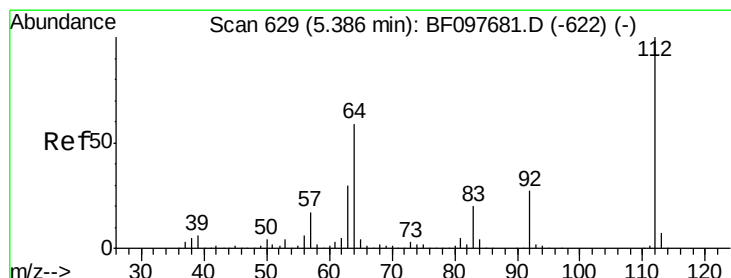
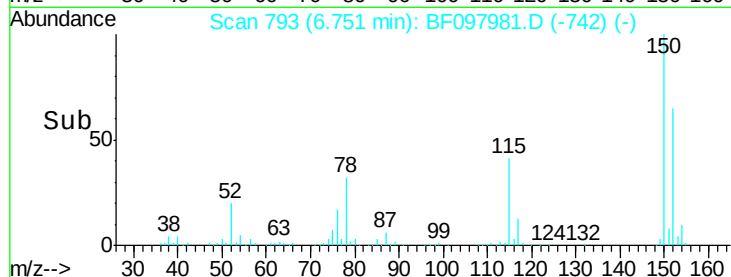
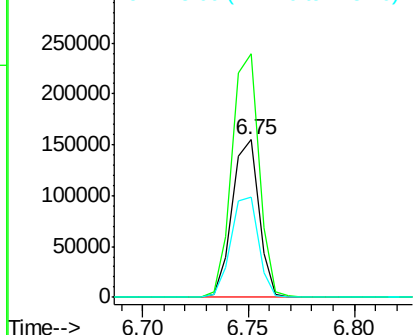
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-B

Tot Ion:152 Resp: 135752
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 63.4 52.2 78.2



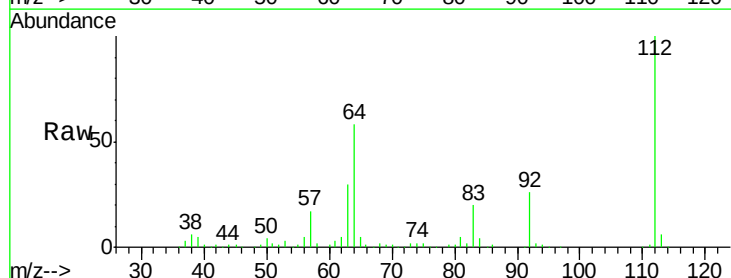
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



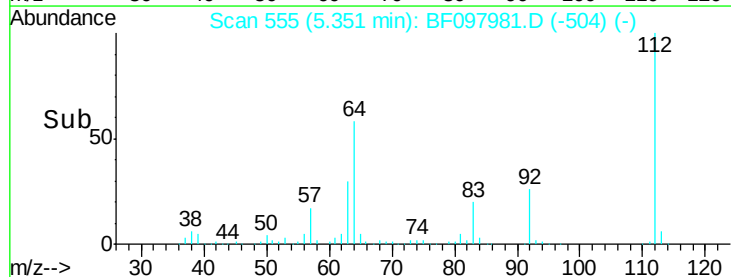
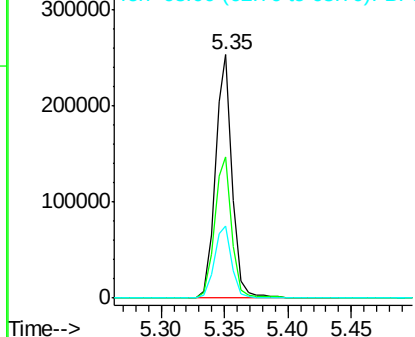
#5

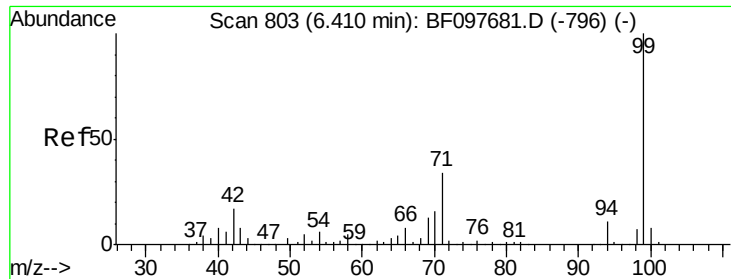
2-Fluorophenol
Concen: 26.51 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Tgt Ion:112 Resp: 236603
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 29.8 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: 25.51 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Instrument :

BNA_F

ClientSampleId :

TR-04-082117-B

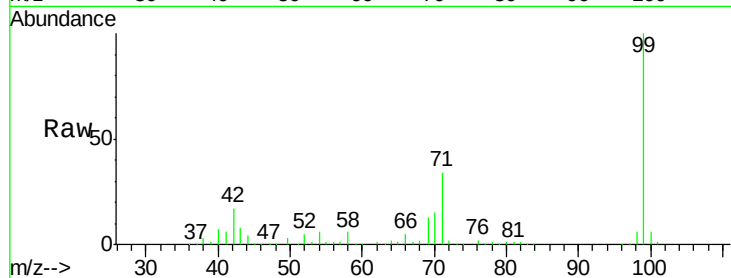
Tot Ion: 99 Resp: 309327

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

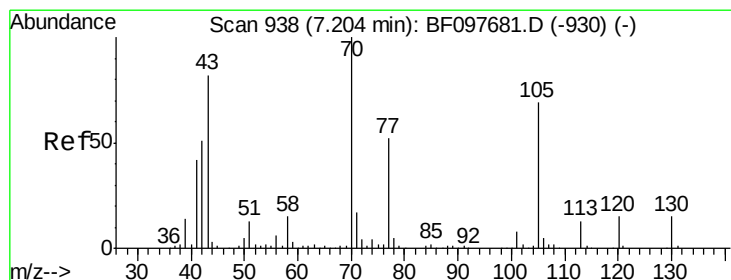
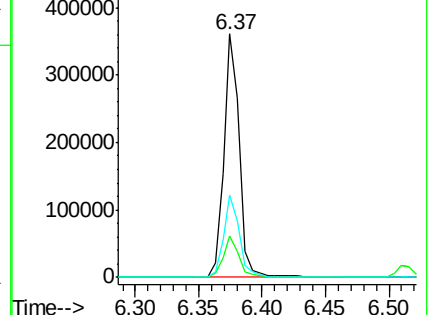
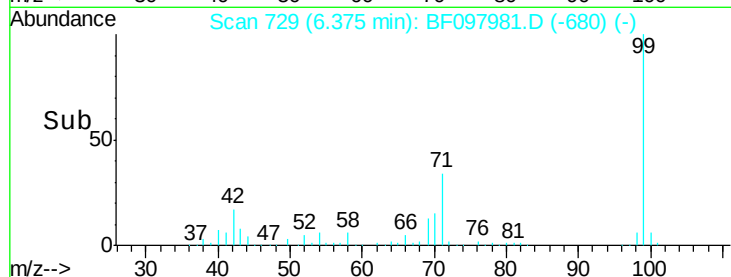
71 33.6 24.5 36.7



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: 2.93 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Tgt Ion: 70 Resp: 24342

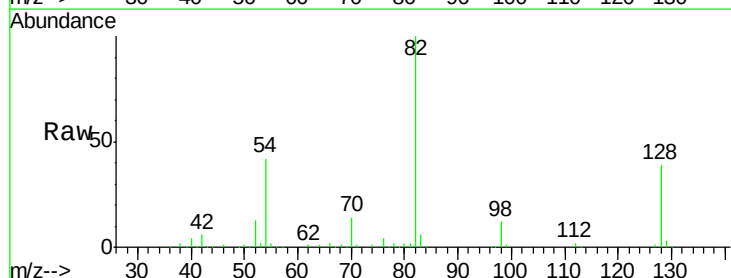
Ion Ratio Lower Upper

70 100

42 40.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

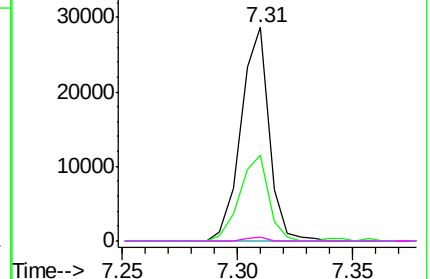
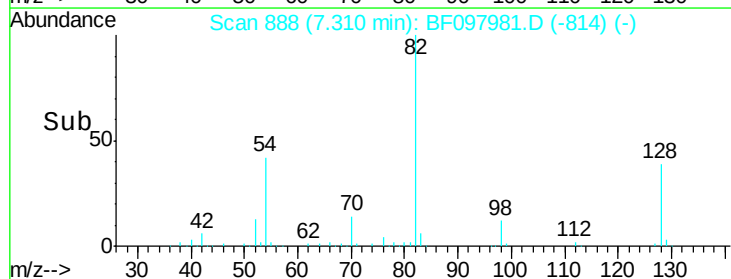


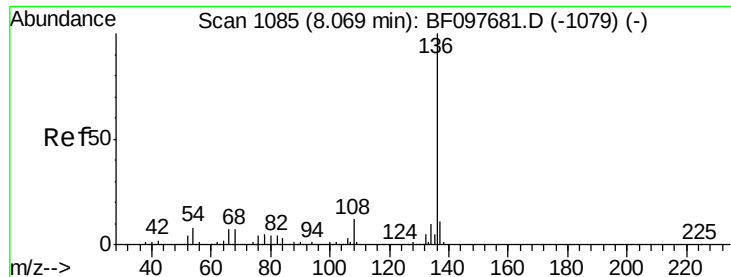
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

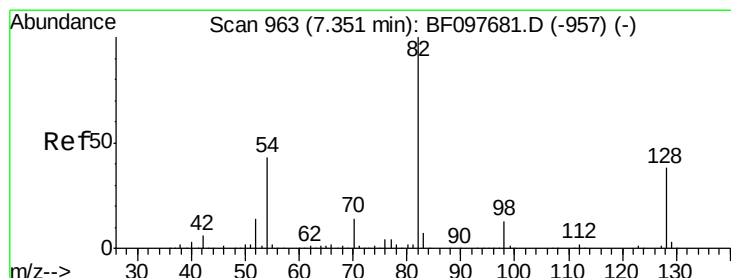
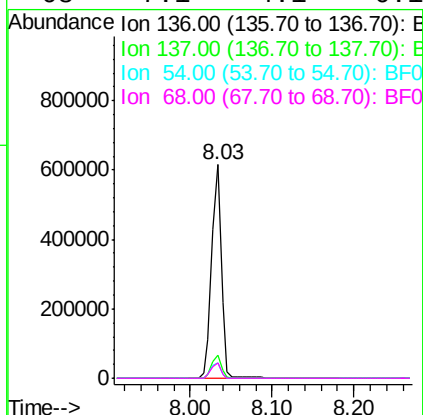
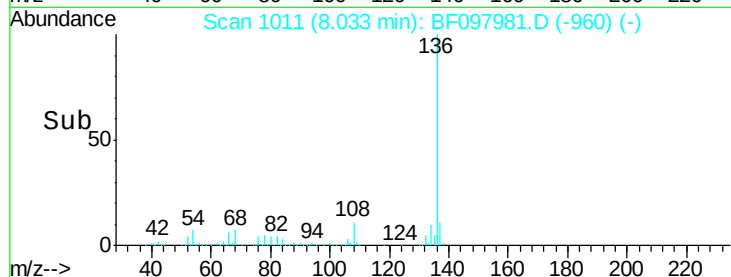
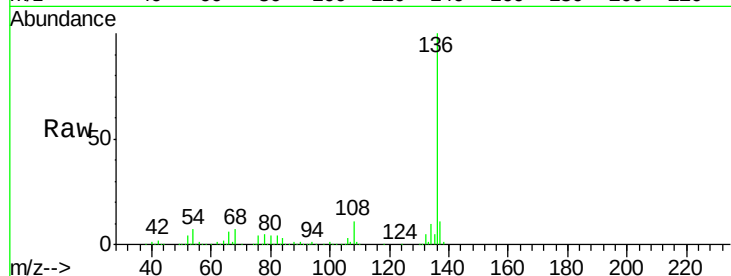




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

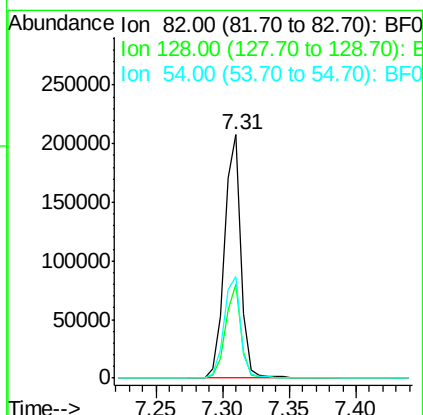
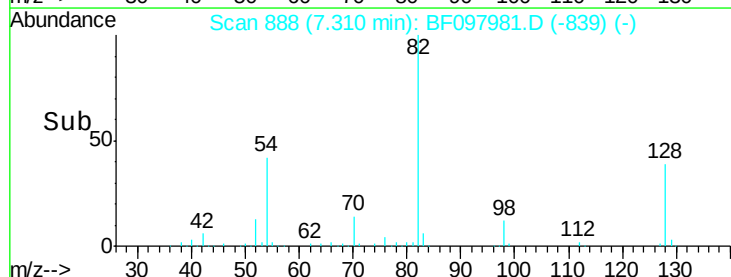
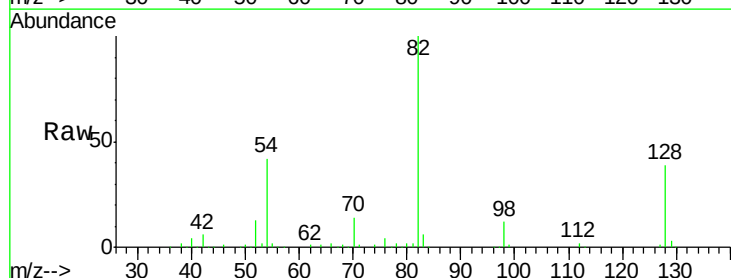
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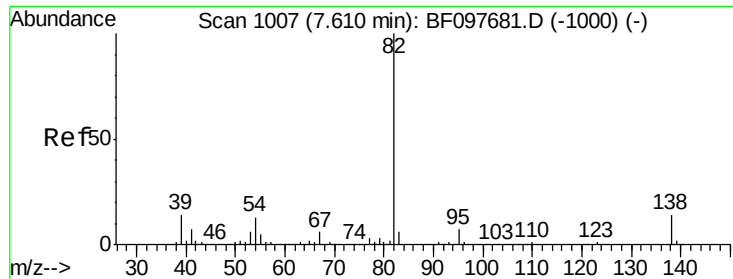
Tot Ion:136	Resp: 509551
Ion Ratio	Lower Upper
136 100	
137 11.0	8.5 12.7
54 7.3	4.9 7.3
68 7.1	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 19.31 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Tgt Ion: 82	Resp: 181154
Ion Ratio	Lower Upper
82 100	
128 38.5	34.0 51.0
54 41.6	42.2 63.2#

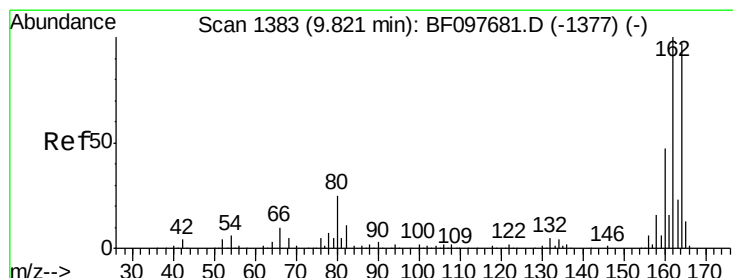
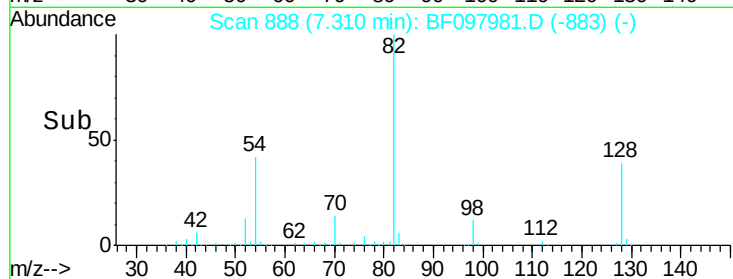
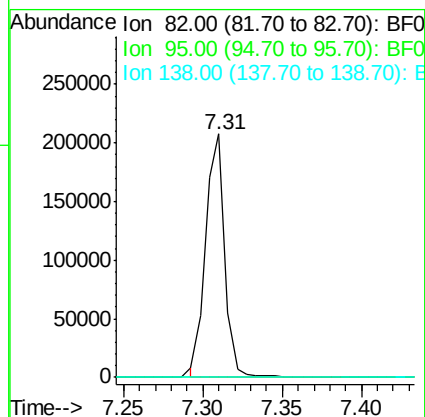
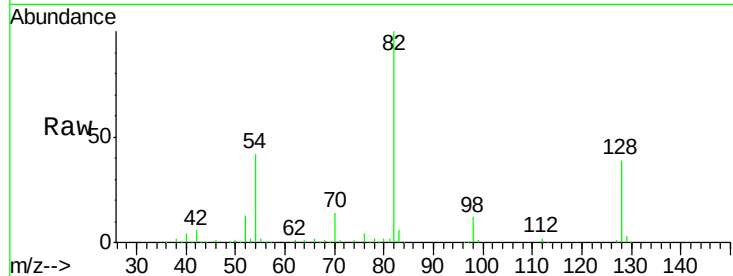




#25
Isophorone
Concen: 9.01 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.27 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

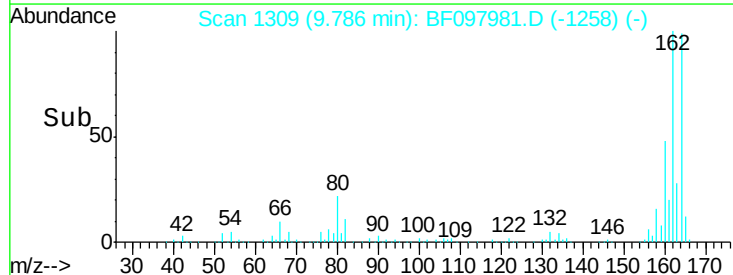
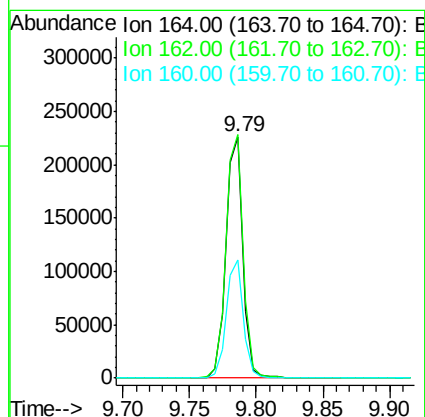
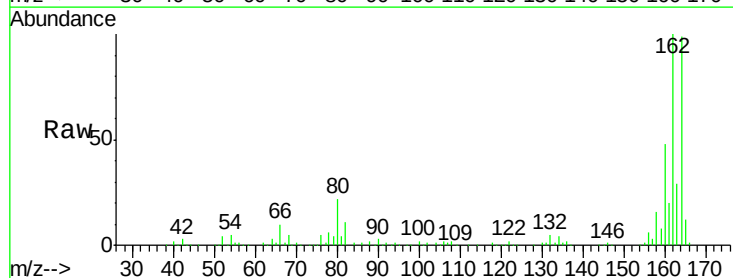
Instrument :
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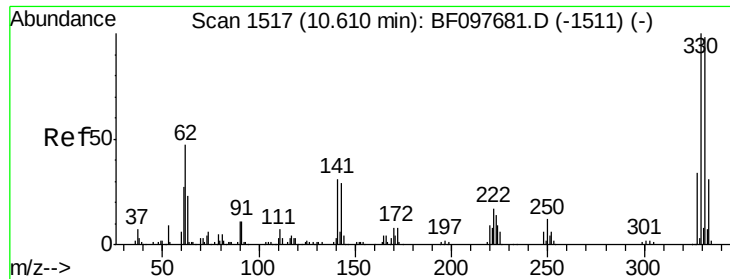
Tot Ion: 82 Resp: 175741
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Tgt Ion: 164 Resp: 203005
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 48.9 36.2 54.2

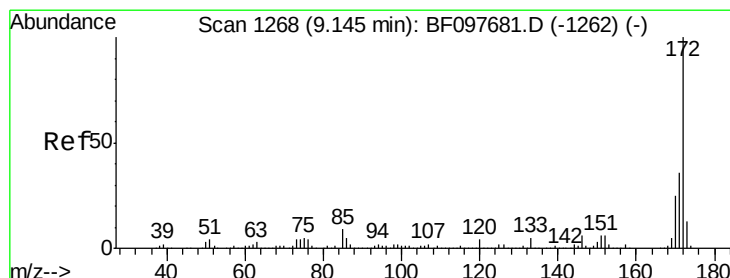
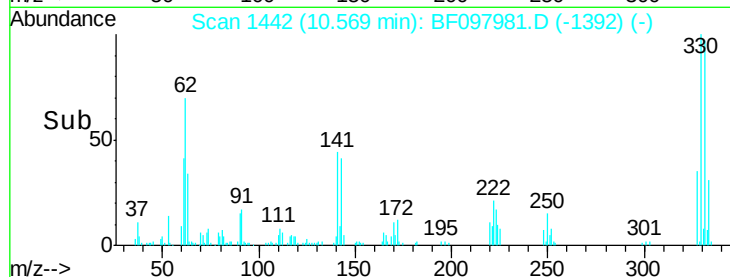
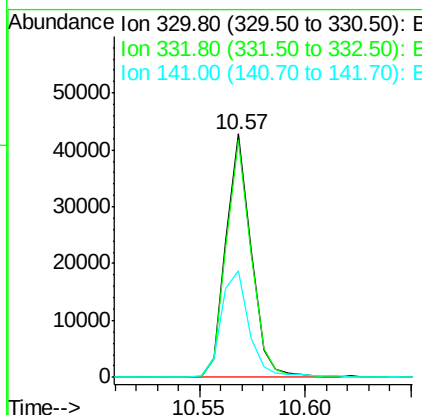
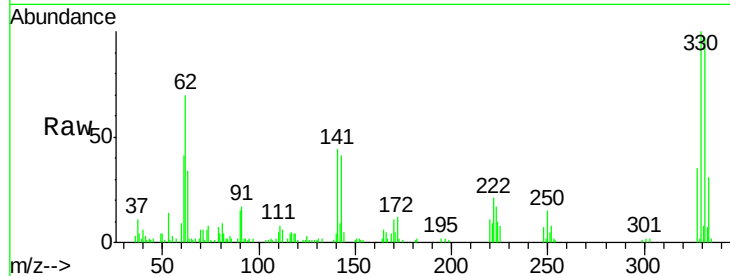




#41
 2,4,6-Tribromophenol
 Concen: 20.11 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097981.D
 Acq: 23 Aug 2017 4:10

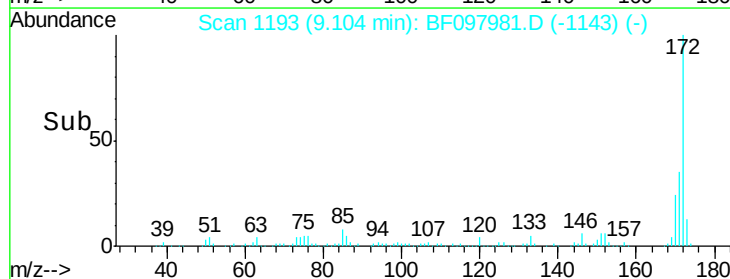
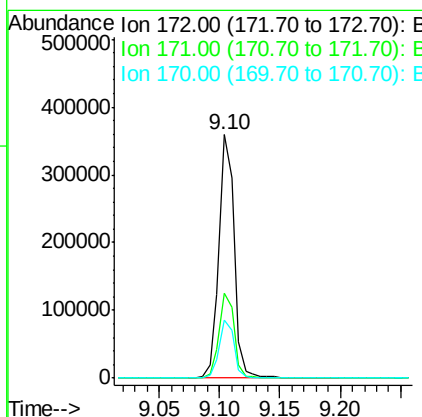
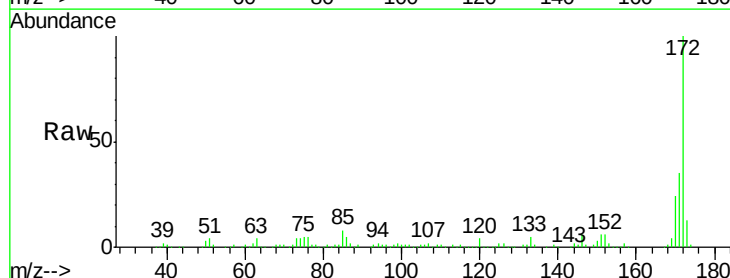
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 TR-04-082117-B

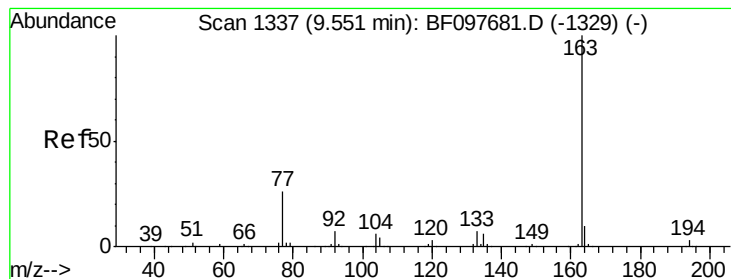
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	49.4	31.4	47.2#



#44
 2-Fluorobiphenyl
 Concen: 22.60 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097981.D
 Acq: 23 Aug 2017 4:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	24.0	19.8	29.8





#49

Dimethylphthalate

Concen: 2.36 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Instrument :

BNA_F

ClientSampleId :

TR-04-082117-B

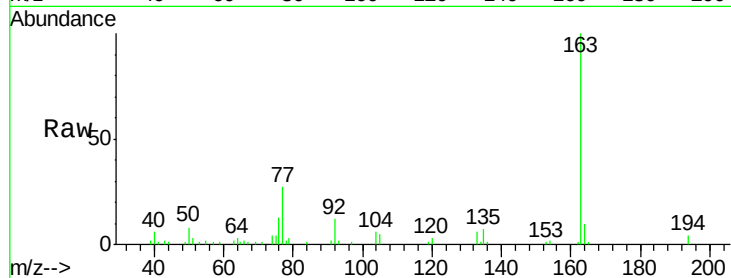
Tot Ion:163 Resp: 35030

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

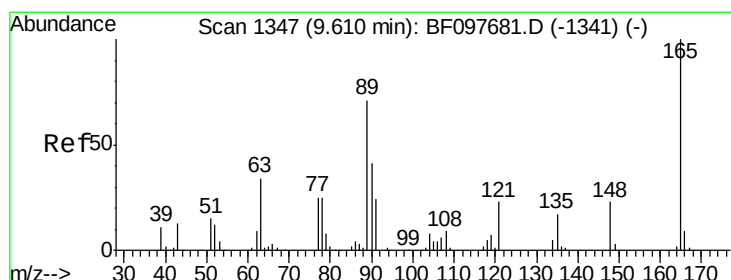
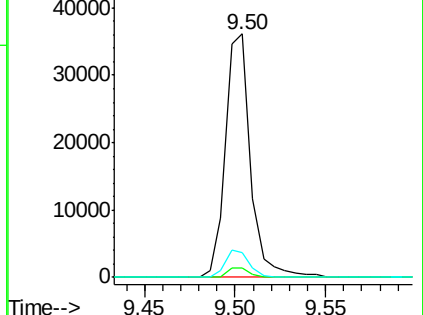
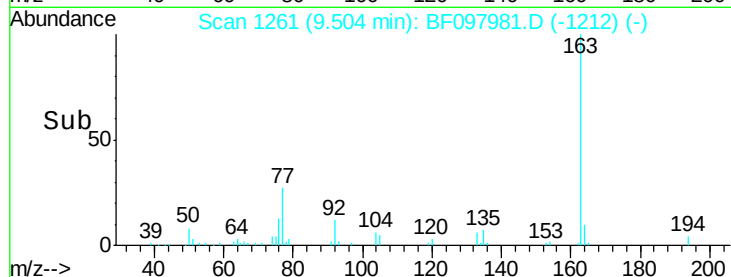
164 10.3 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.72 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.21 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

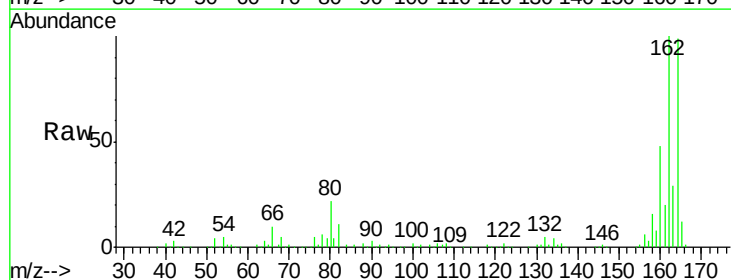
Tgt Ion:165 Resp: 25814

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

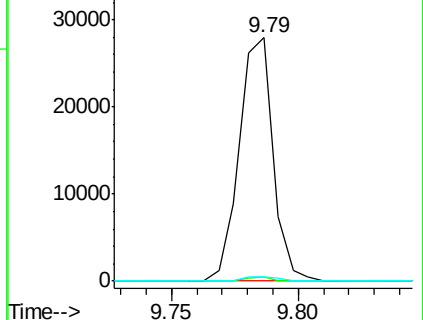
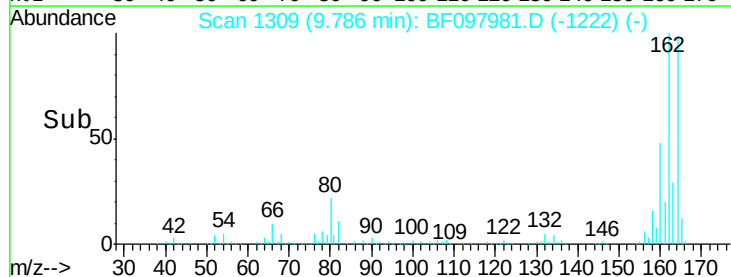
89 1.7 37.1 55.7#

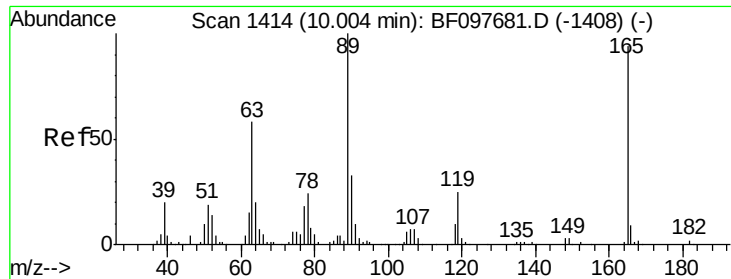


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

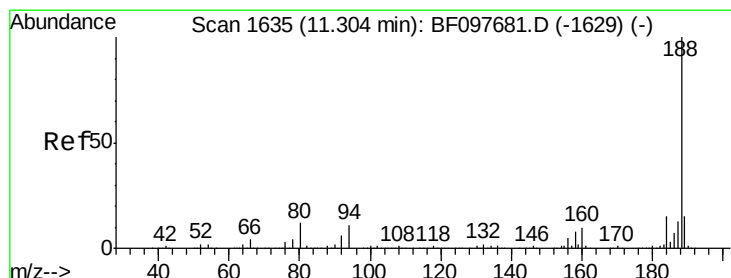
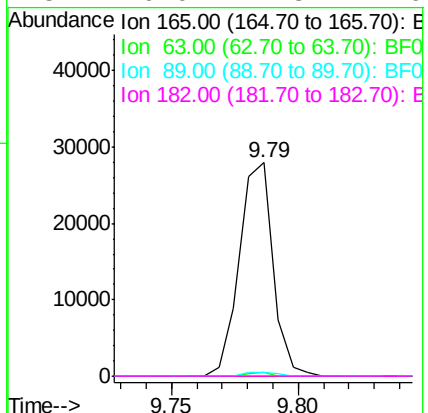
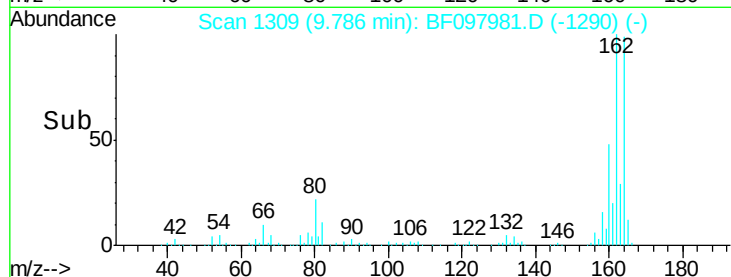
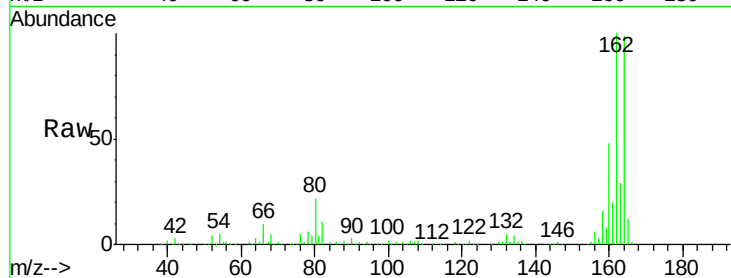




#56
 2,4-Dinitrotoluene
 Concen: 6.94 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.19 min
 Lab File: BF097981.D
 Acq: 23 Aug 2017 4:10

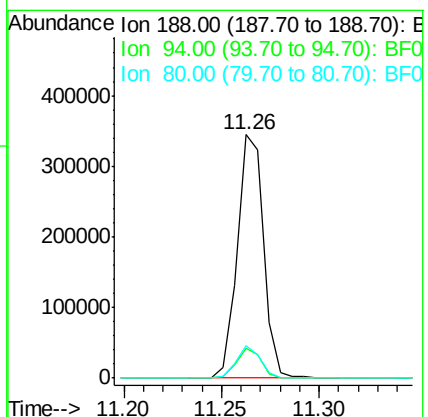
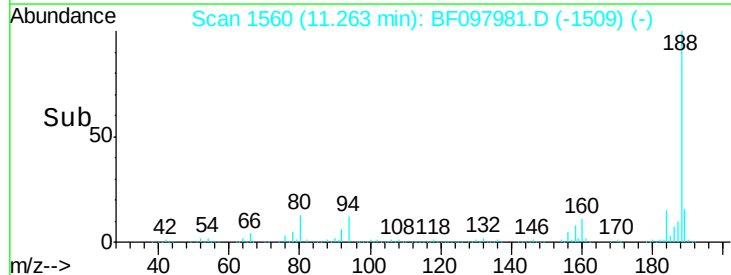
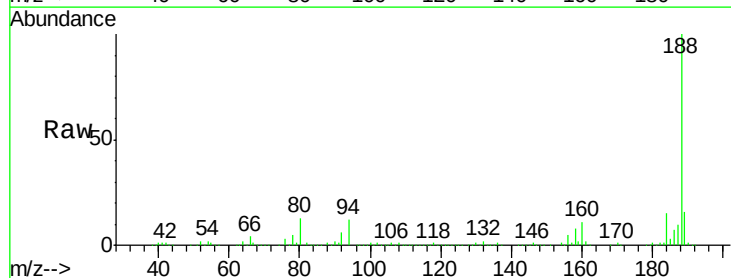
Instrument :
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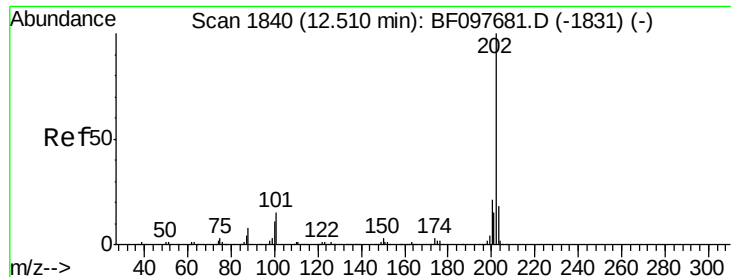
Tot Ion:165	Resp:	25814
Ion Ratio	Lower	Upper
165	100	
63	1.6	25.4 38.0#
89	1.7	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF097981.D
 Acq: 23 Aug 2017 4:10

Tgt Ion:188	Resp:	321440
Ion Ratio	Lower	Upper
188	100	
94	12.4	9.4 14.2
80	13.4	10.2 15.2





#74

Fluoranthene

Concen: 3.32 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Instrument :

BNA_F

ClientSampleId :

TR-04-082117-B

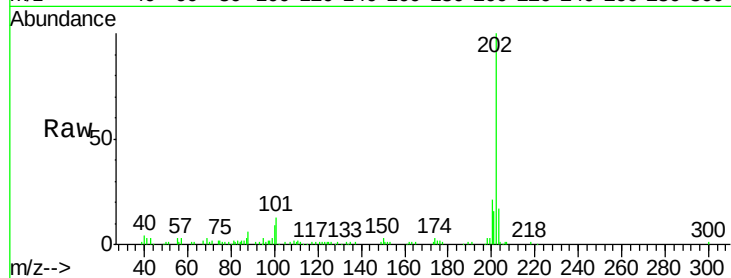
Tot Ion:202 Resp: 59379

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

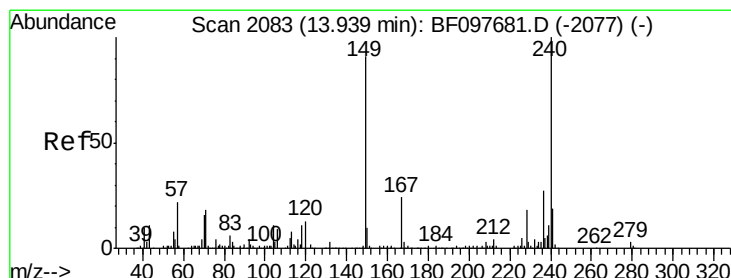
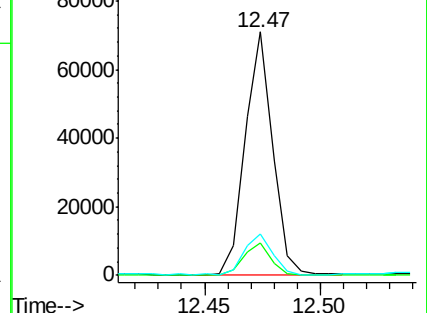
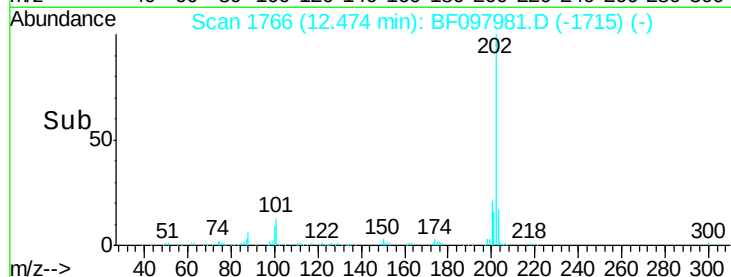
203 17.1 0.0 38.1



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: BF097981.D

Acq: 23 Aug 2017 4:10

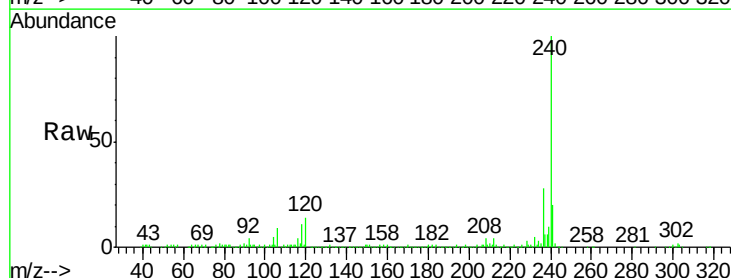
Tgt Ion:240 Resp: 288963

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

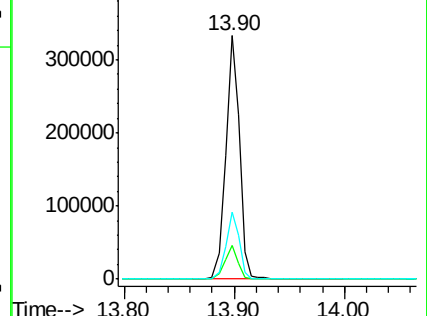
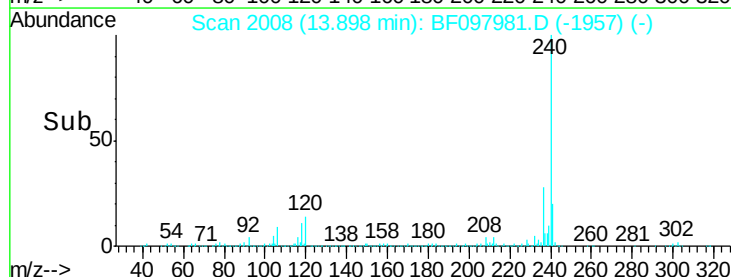
236 27.7 20.5 30.7

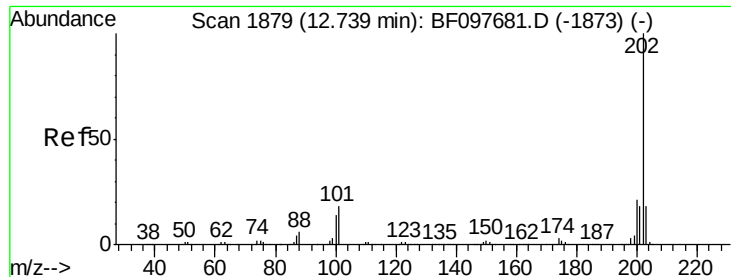


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.47 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Instrument :

BNA_F

ClientSampleId :

TR-04-082117-B

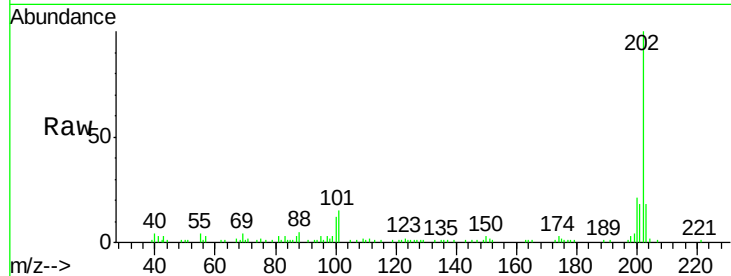
Tot Ion:202 Resp: 58382

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

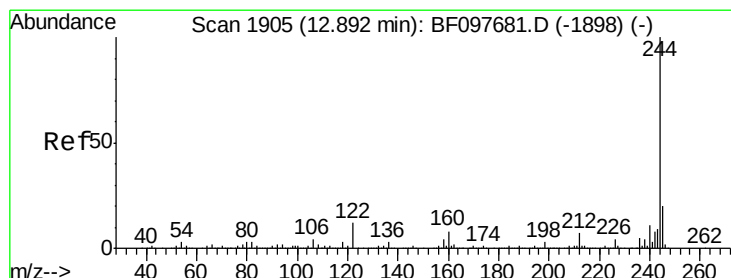
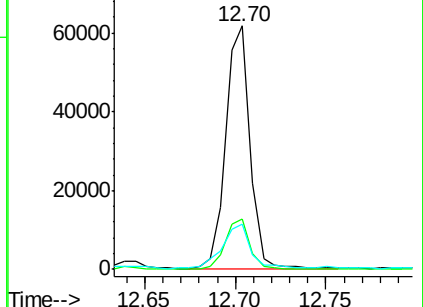
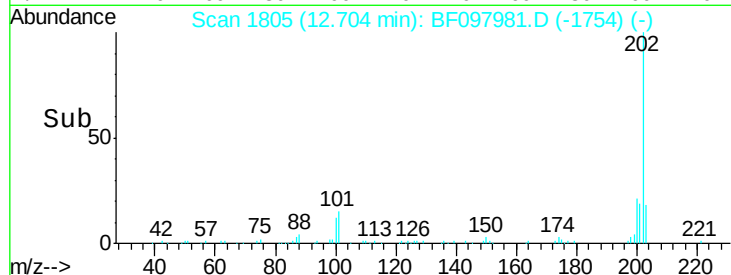
203 18.4 14.4 21.6



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: 15.06 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

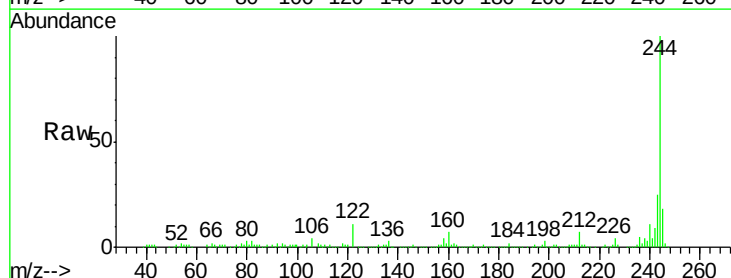
Tgt Ion:244 Resp: 208708

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

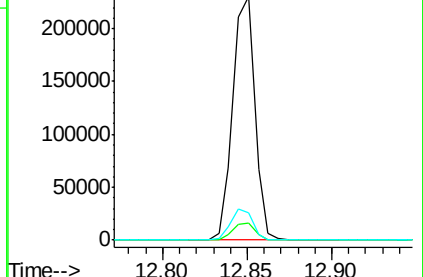
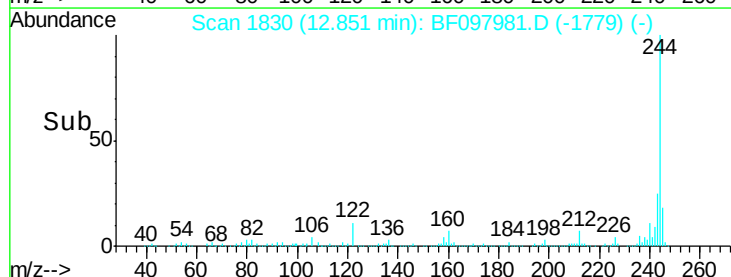
122 11.3 10.3 15.5

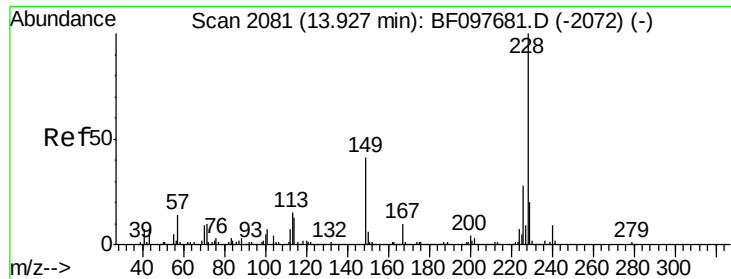


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.07 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.04 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

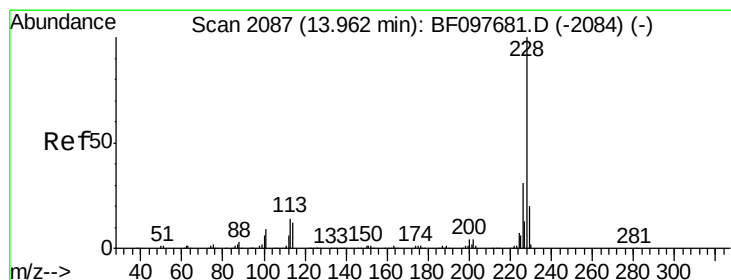
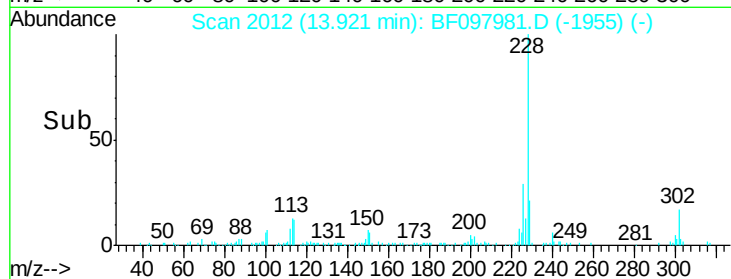
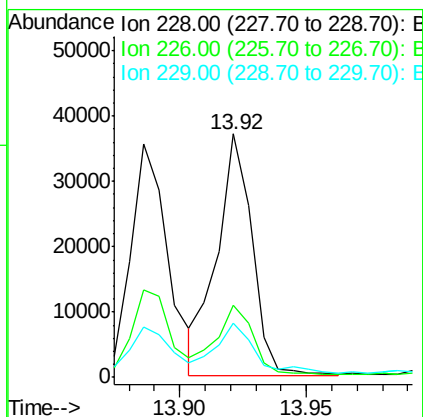
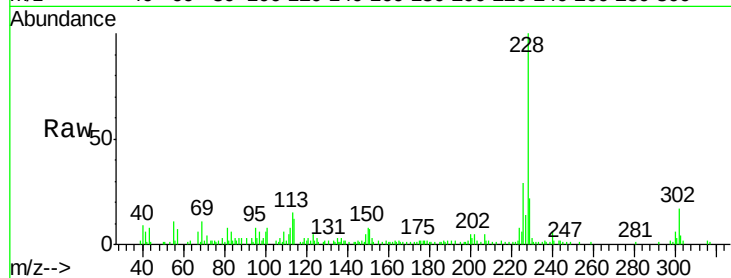
Instrument :

BNA_F

ClientSampleId :

TR-04-082117-B

Tot Ion:228	Resp:	35910
Ion Ratio	Lower	Upper
228	100	
226	29.4	22.6 33.8
229	22.0	16.3 24.5



#82

Chrysene

Concen: 2.08 ng

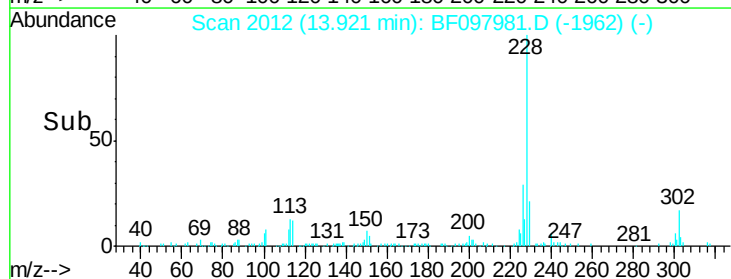
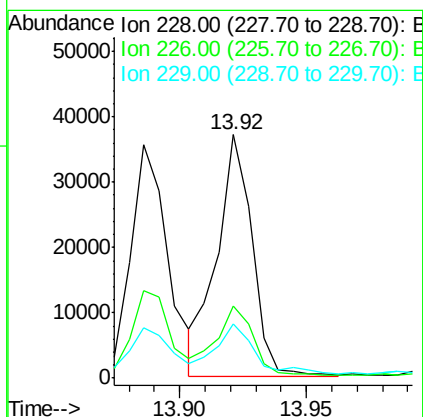
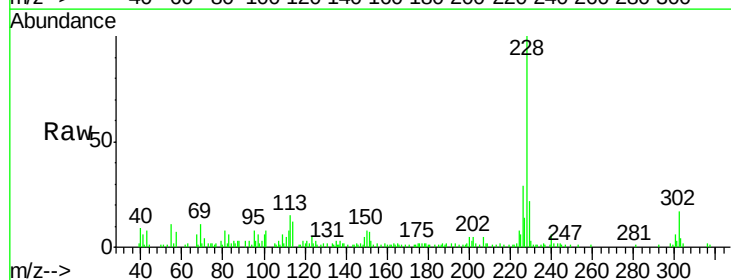
RT: 13.92 min Scan# 2012

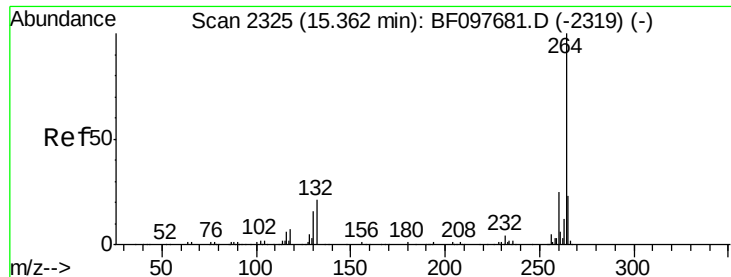
Delta R.T. -0.01 min

Lab File: BF097981.D

Acq: 23 Aug 2017 4:10

Tgt Ion:228	Resp:	35910
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.9 37.3
229	22.0	15.8 23.6

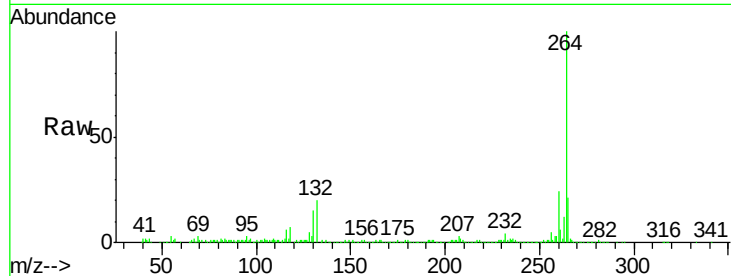




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8

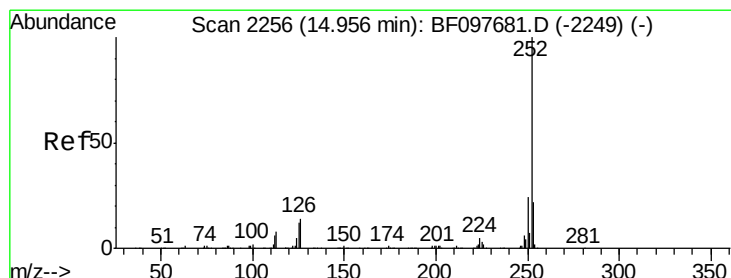
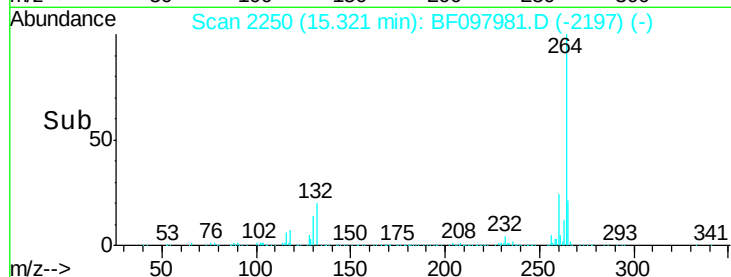
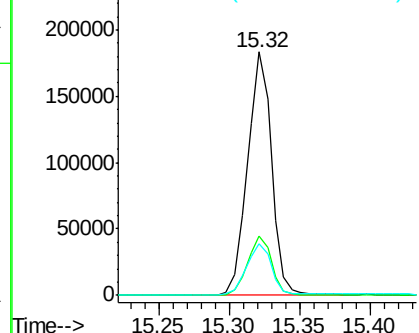


Abundance

Ion 264.00 (263.70 to 264.70): E

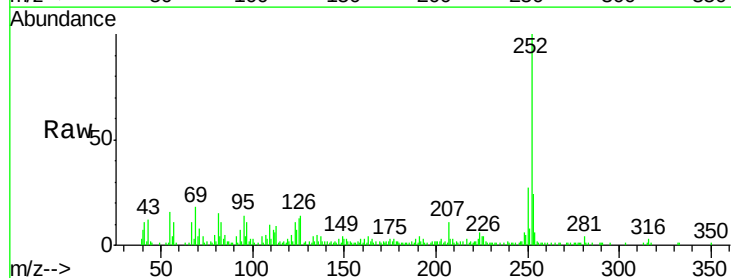
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 4.83 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	13.3	9.8	14.8

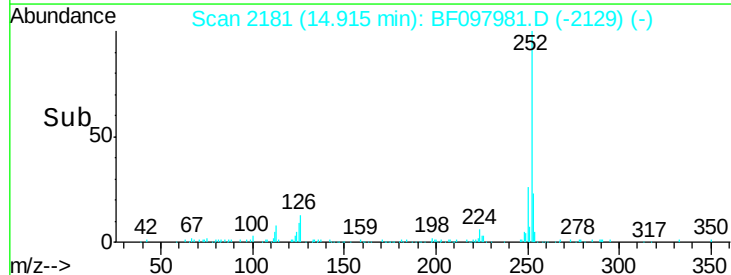
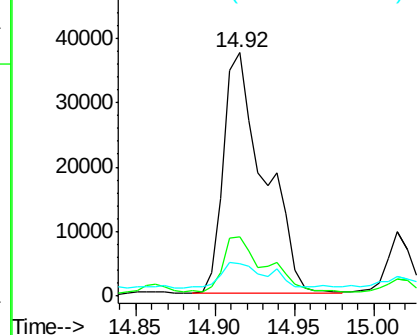


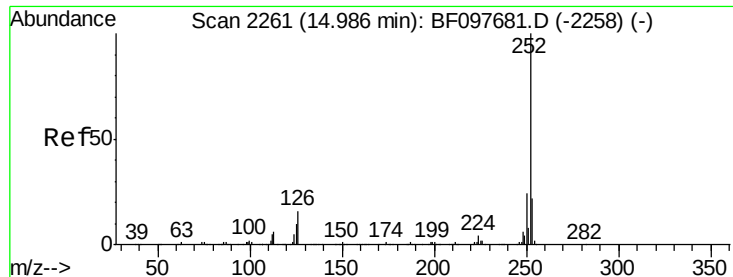
Abundance

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

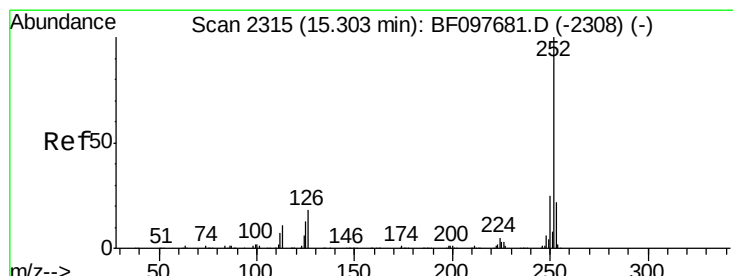
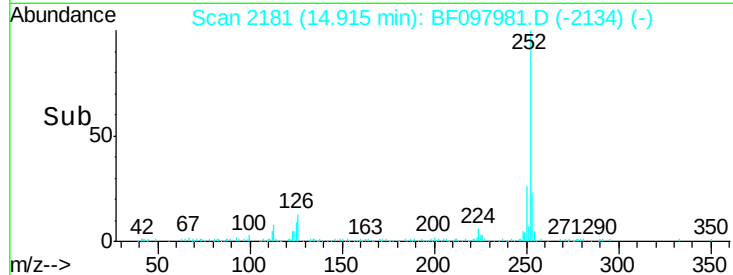
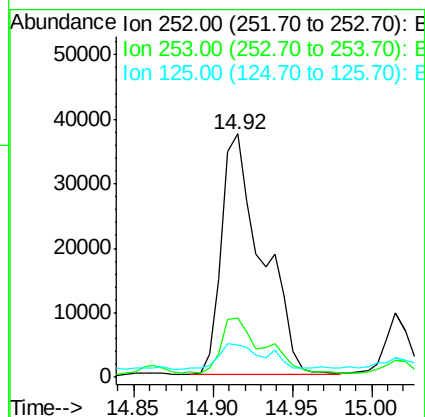
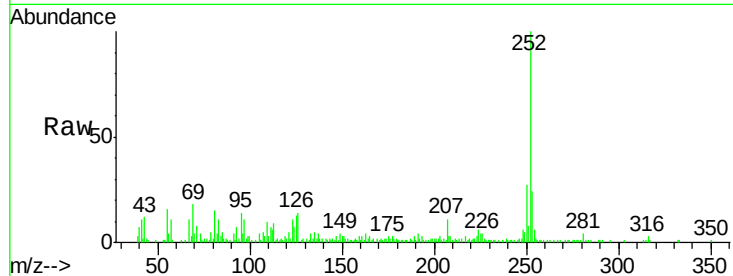




#88
Benzo(k)fluoranthene
Concen: 5.14 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

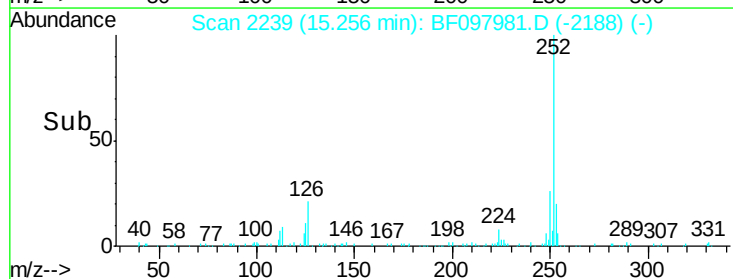
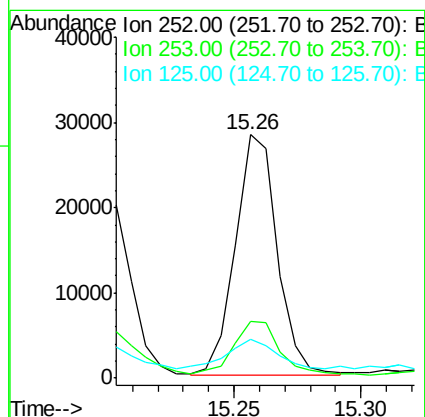
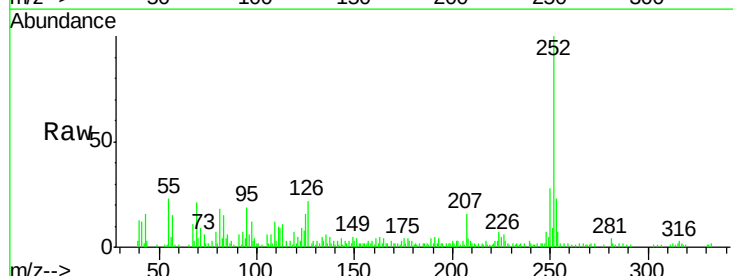
Instrument :
BNA_F
ClientSampleId :
TR-04-082117-B

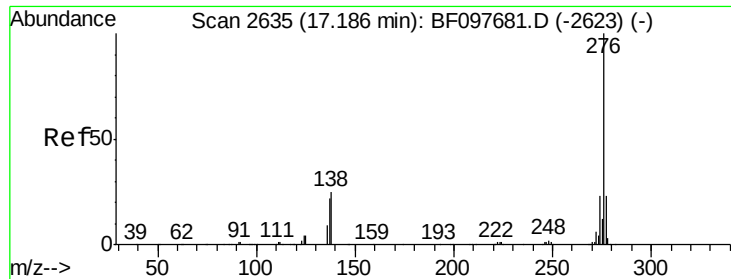
Tot Ion:252 Resp: 66729
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 13.3 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.64 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097981.D
Acq: 23 Aug 2017 4:10

Tgt Ion:252 Resp: 32342
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 15.9 11.0 16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.00 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: BF097981.D
 Acq: 23 Aug 2017 4:10

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-B

Tot Ion:	276	Resp:	20779
Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.6	28.0
138	29.3	25.4	38.0

