

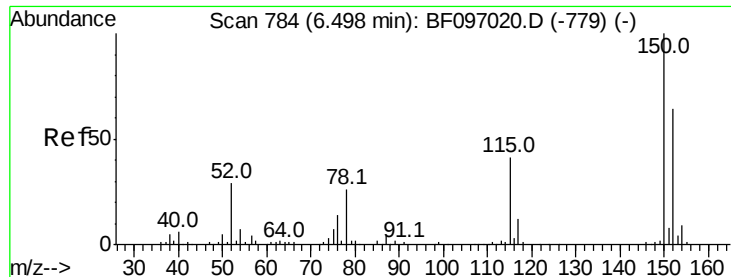
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097319.D
 Acq On : 3 Aug 2017 14:16
 Operator : SJ/JU
 Sample : I4543-09RE
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 15:07:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 03 12:06:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	106635	20.00	ng	0.00
21) Naphthalene-d8	7.73	136	420998	20.00	ng	0.00
38) Acenaphthene-d10	9.47	164	155575	20.00	ng	0.00
63) Phenanthrene-d10	10.95	188	256176	20.00	ng	-0.01
75) Chrysene-d12	13.57	240	198618	20.00	ng	-0.01
86) Perylene-d12	14.91	264	170561	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	544388	76.96	ng	0.01
7) Phenol-d6	6.12	99	537478	66.56	ng	-0.01
23) Nitrobenzene-d5	7.02	82	416664	58.06	ng	0.00
41) 2,4,6-Tribromophenol	10.26	330	110719	90.07	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	646016	70.47	ng	0.00
78) Terphenyl-d14	12.53	244	416288	42.73	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	55260	10.396	ng	# 87
25) Isophorone	7.02	82	416661	29.647	ng	# 67
49) Dimethylphthalate	9.47	163	48092	4.071	ng	# 1
50) 2,6-Dinitrotoluene	9.47	165	19586	7.817	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	19586	6.800	ng	# 33
66) 4-Bromophenyl-phenylether	10.26	248	7043	2.755	ng	# 1

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

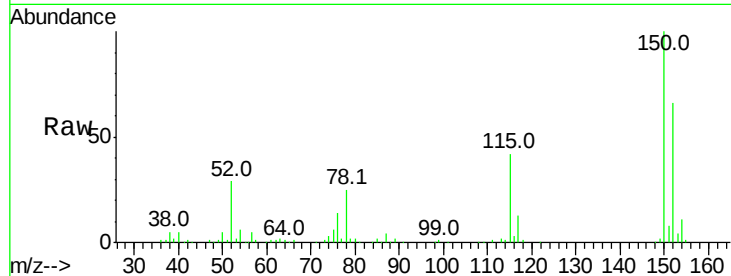


#1

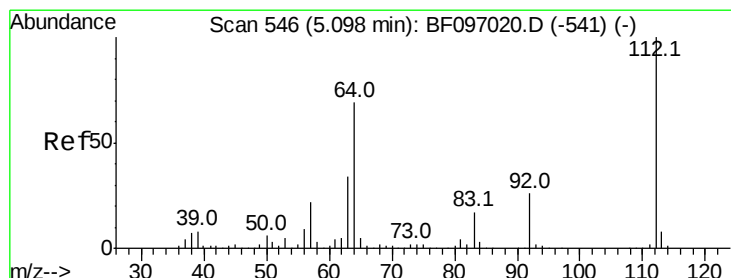
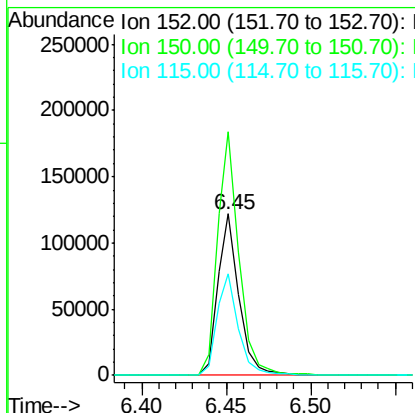
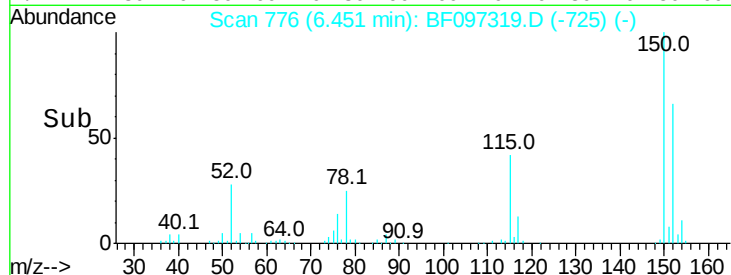
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 106635
Ion Ratio Lower Upper
152 100
150 150.9 126.2 189.2
115 62.7 52.2 78.2



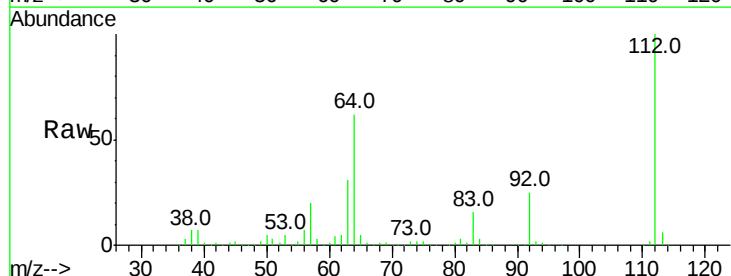
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



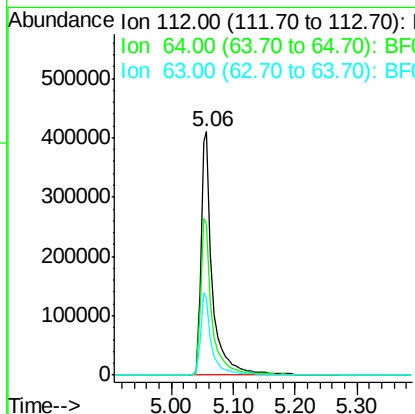
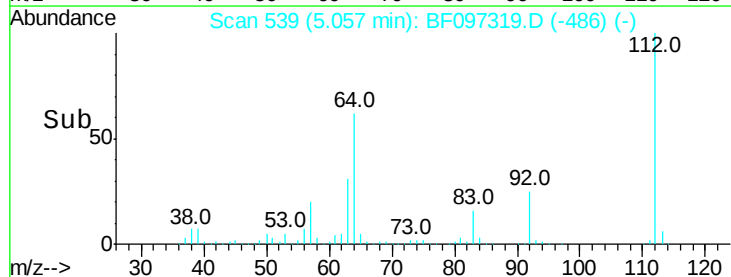
#5

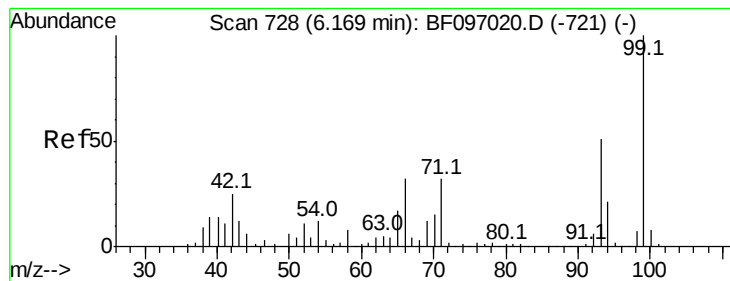
2-Fluorophenol
Concen: 76.960 ng
RT: 5.06 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Tgt Ion:112 Resp: 544388
Ion Ratio Lower Upper
112 100
64 62.2 46.0 69.0
63 31.5 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: 66.557 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

Instrument :

BNA_F

ClientSampleId :

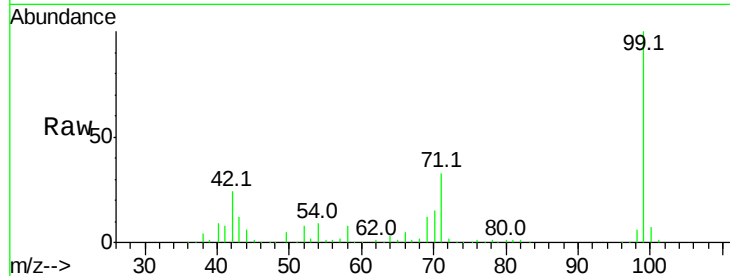
Tot Ion: 99 Resp: 537478

Ion Ratio Lower Upper

99 100

42 24.4 13.5 20.3#

71 33.2 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

6.12

500000

400000

300000

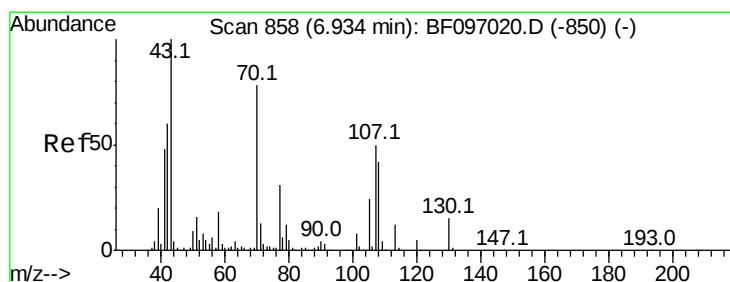
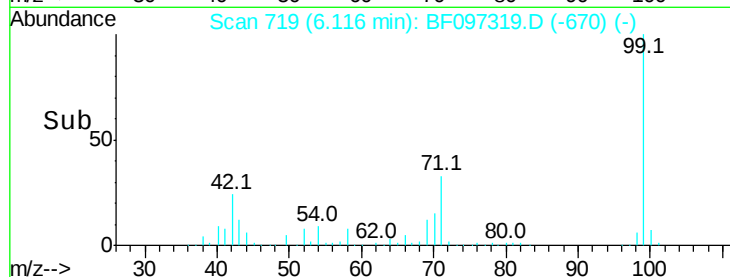
200000

100000

0

6.10 6.20 6.30

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.396 ng

RT: 7.02 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

Tgt Ion: 70 Resp: 55260

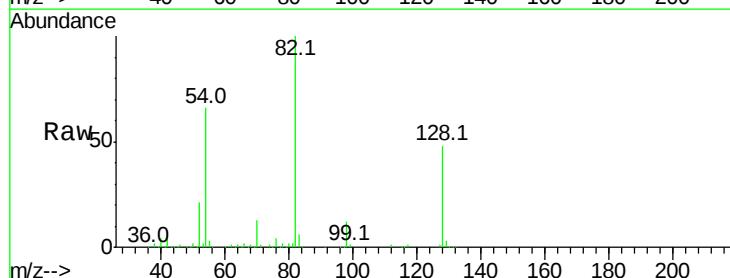
Ion Ratio Lower Upper

70 100

42 60.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

7.02

80000

60000

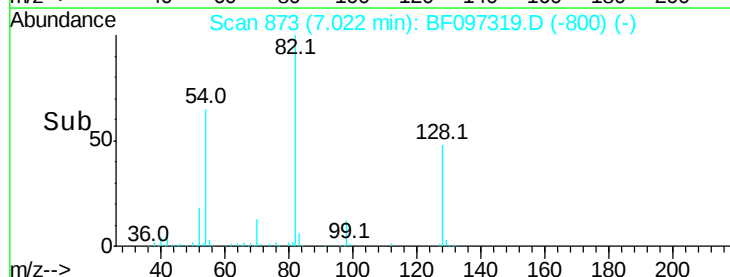
40000

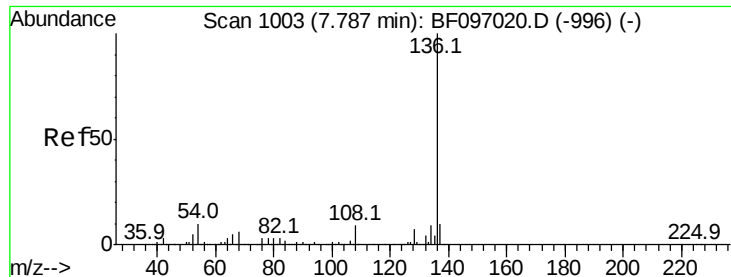
20000

0

6.95 7.00 7.05 7.10

Time-->

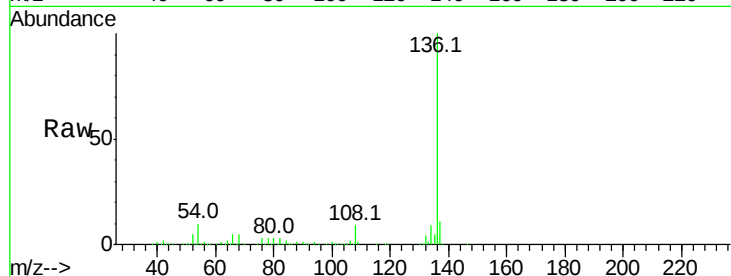




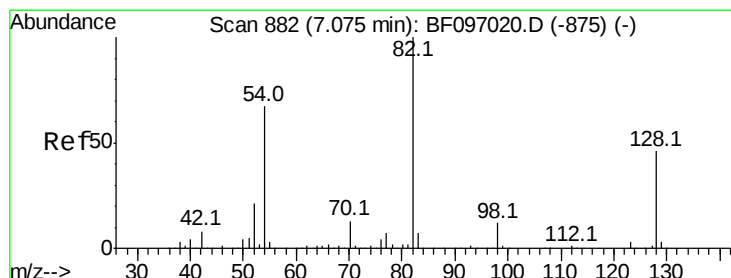
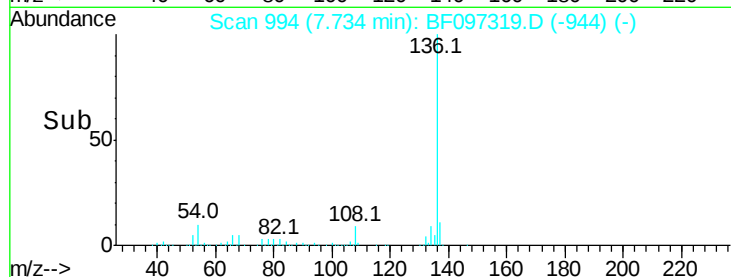
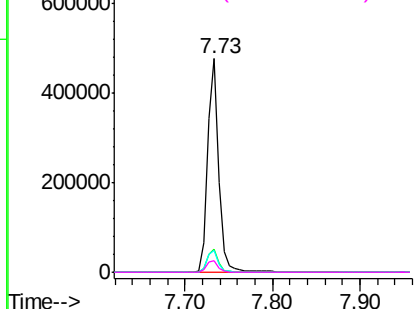
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 420998
Ion Ratio	Lower Upper
136 100	
137 10.7	8.5 12.7
54 9.9	4.9 7.3#
68 5.3	4.1 6.1

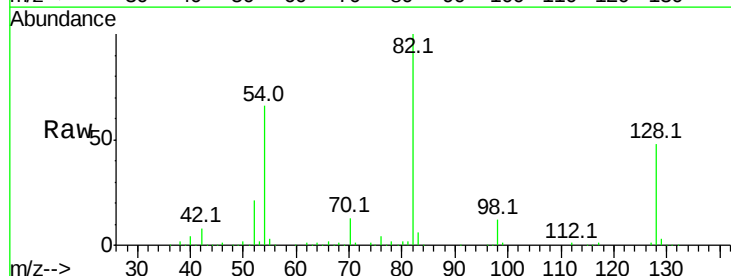


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

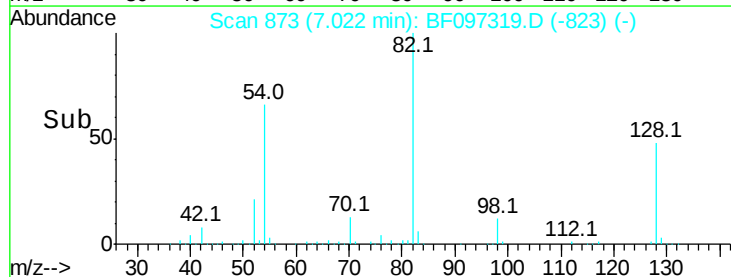
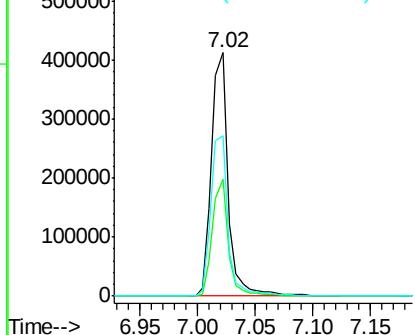


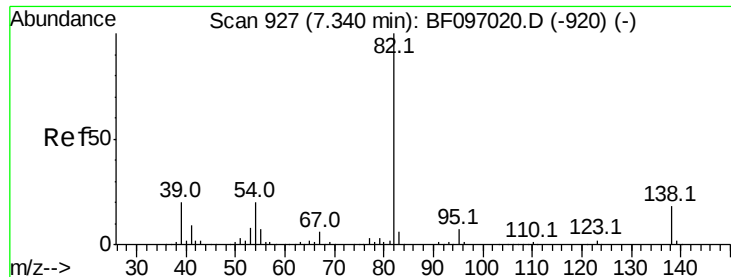
#23
Nitrobenzene-d5
Concen: 58.060 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Tgt Ion: 82	Resp: 416664
Ion Ratio	Lower Upper
82 100	
128 47.8	34.0 51.0
54 65.8	42.2 63.2#



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

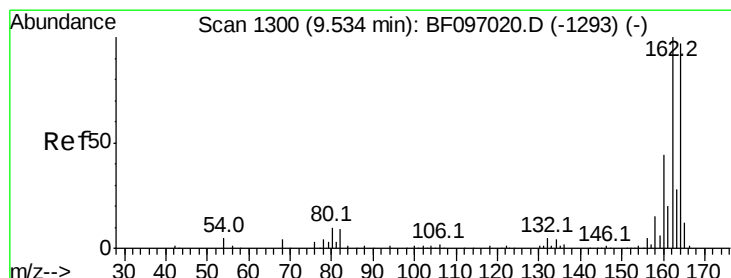
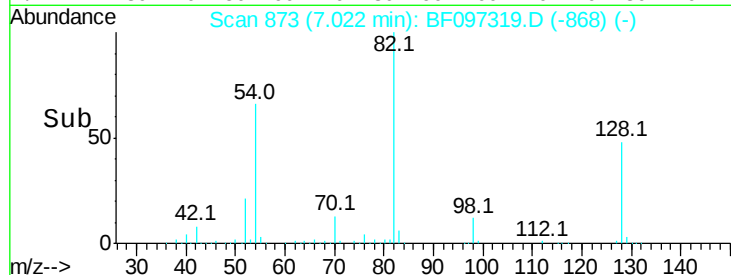
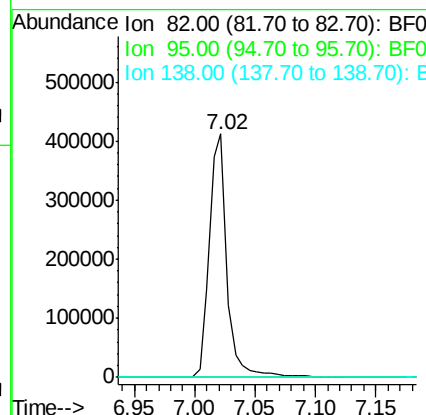
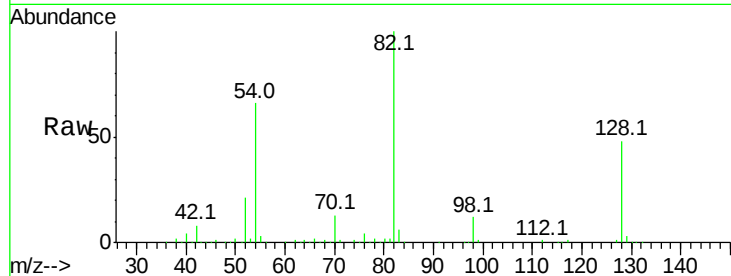




#25
Isophorone
Concen: 29.647 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.27 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

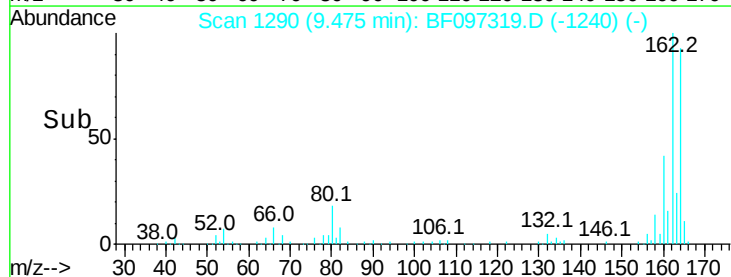
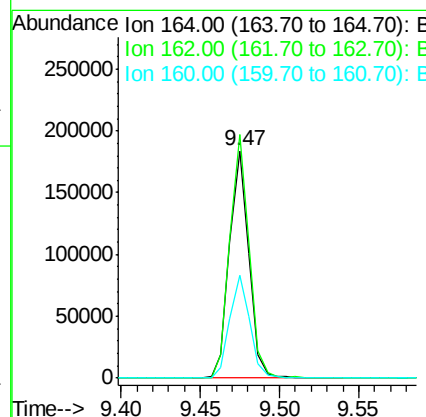
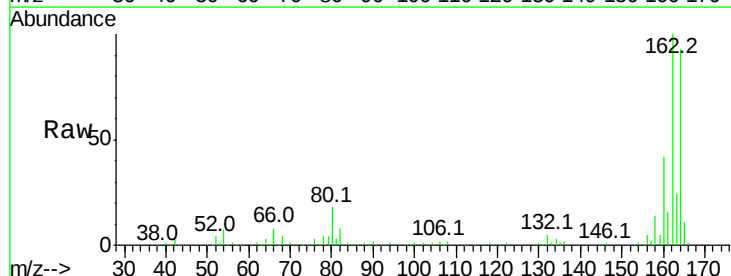
Instrument :
BNA_F
ClientSampleId :

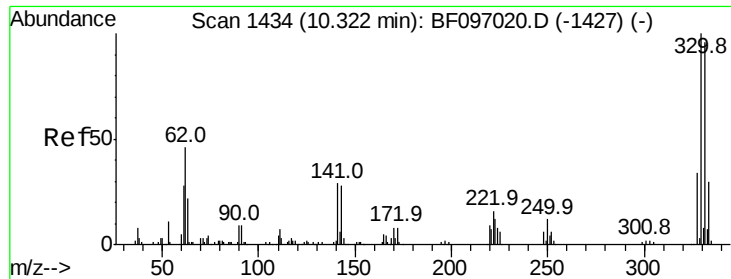
Tot Ion: 82 Resp: 416661
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Tgt Ion:164 Resp: 155575
Ion Ratio Lower Upper
164 100
162 107.2 82.6 123.8
160 45.3 36.2 54.2

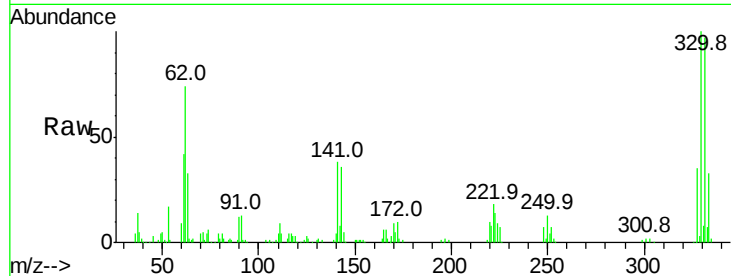




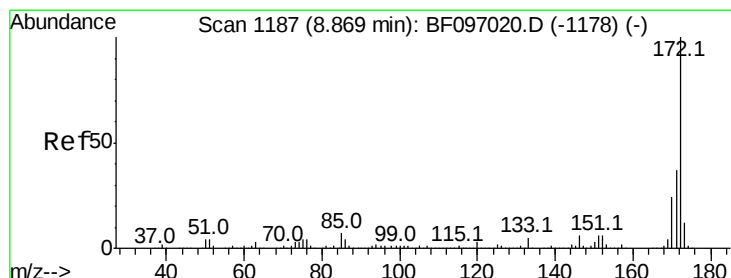
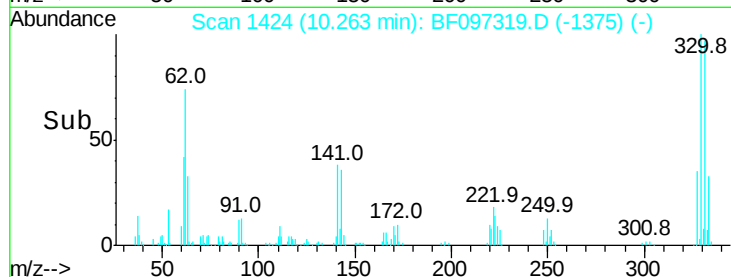
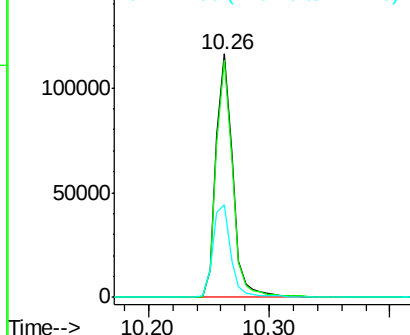
#41
 2,4,6-Tribromophenol
 Concen: 90.075 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF097319.D
 Acq: 3 Aug 2017 14:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	40.6	31.4	47.2

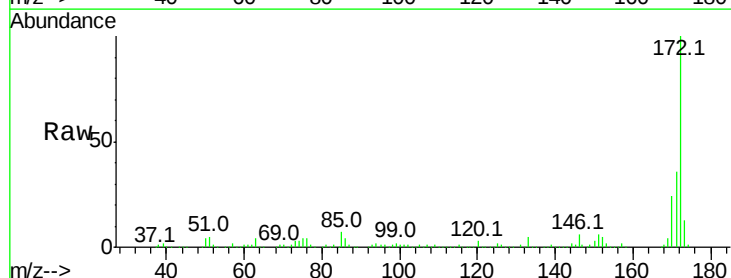


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

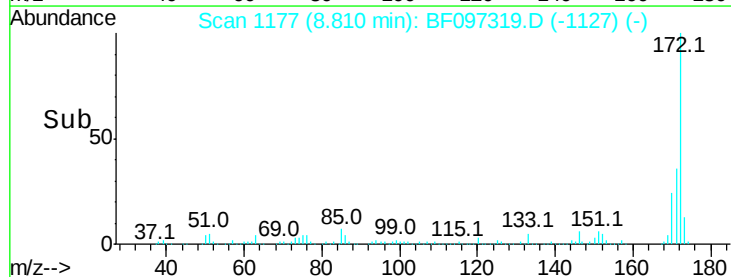
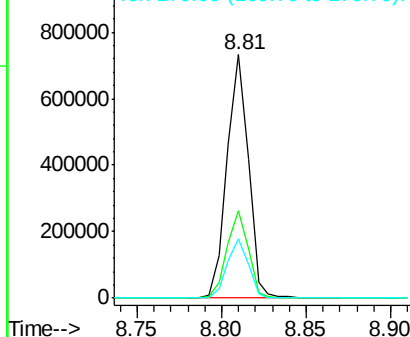


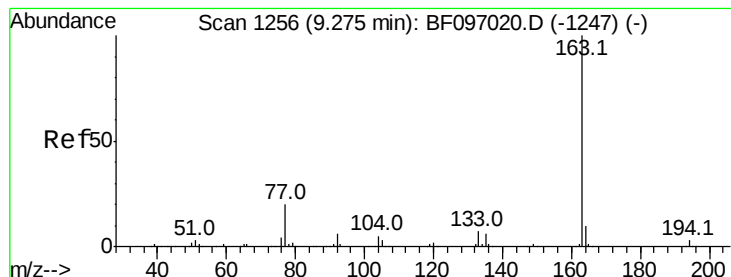
#44
 2-Fluorobiphenyl
 Concen: 70.471 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF097319.D
 Acq: 3 Aug 2017 14:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.2	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





#49

Dimethylphthalate

Concen: 4.071 ng

RT: 9.47 min Scan# 1290

Delta R.T. 0.25 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

Instrument :

BNA_F

ClientSampled :

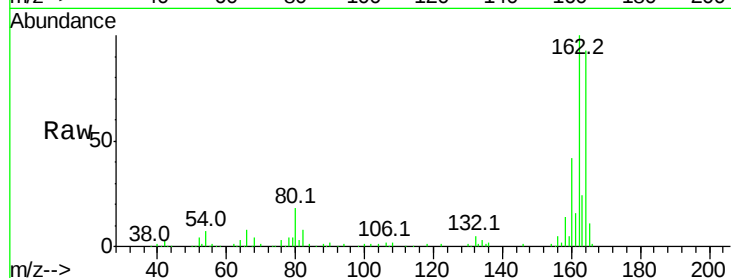
Tot Ion:163 Resp: 48092

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

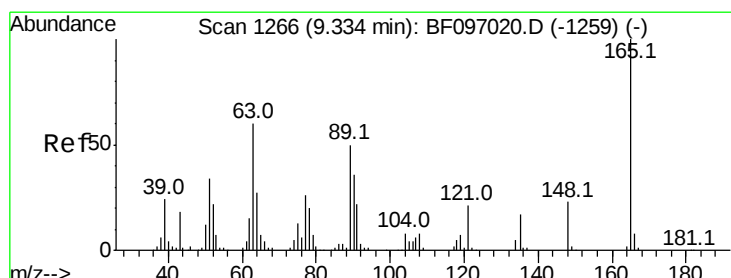
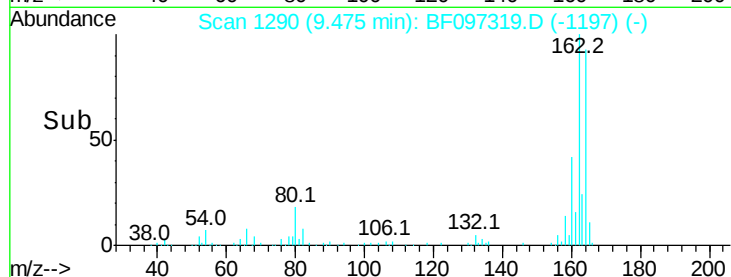
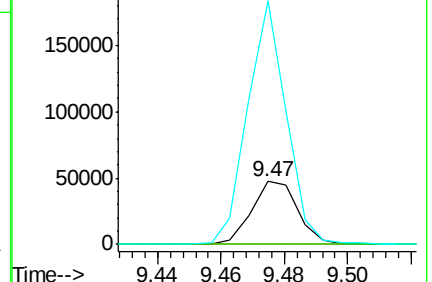
164 387.3 8.4 12.6#



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: 7.817 ng

RT: 9.47 min Scan# 1290

Delta R.T. 0.18 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

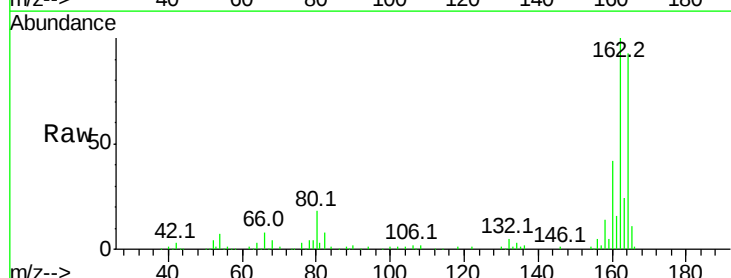
Tgt Ion:165 Resp: 19586

Ion Ratio Lower Upper

165 100

63 1.8 34.3 51.5#

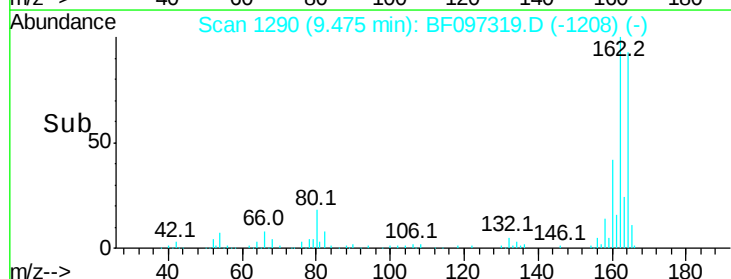
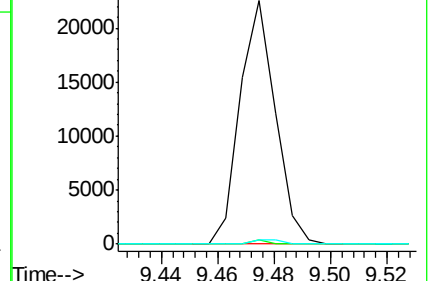
89 1.6 37.1 55.7#

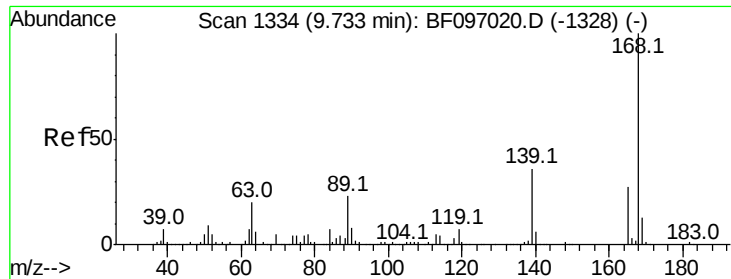


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

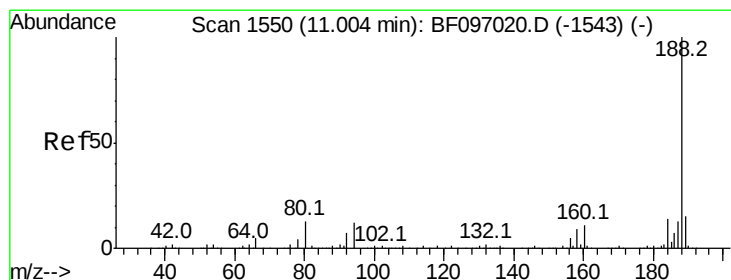
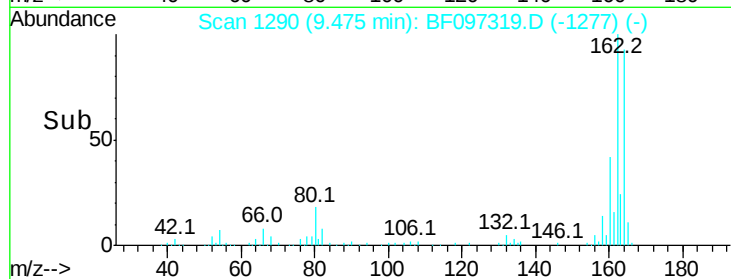
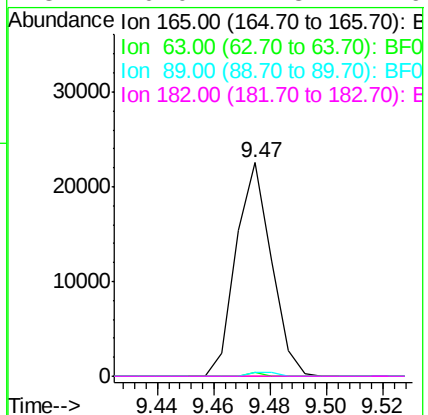
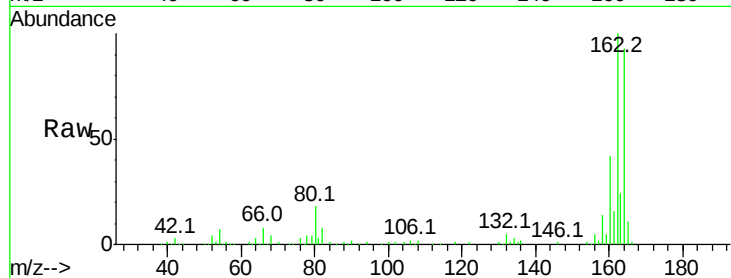




#56
 2,4-Dinitrotoluene
 Concen: 6.800 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.22 min
 Lab File: BF097319.D
 Acq: 3 Aug 2017 14:16

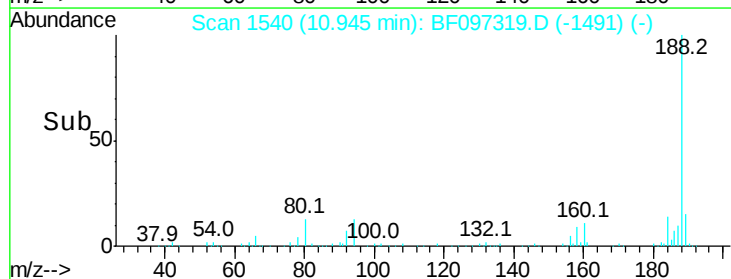
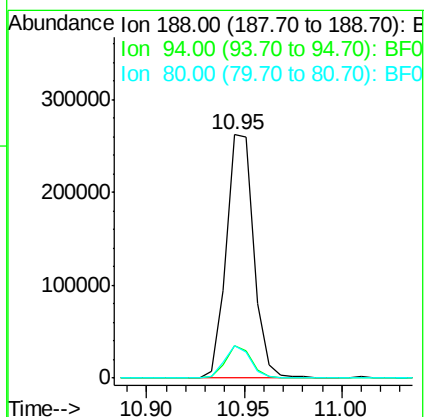
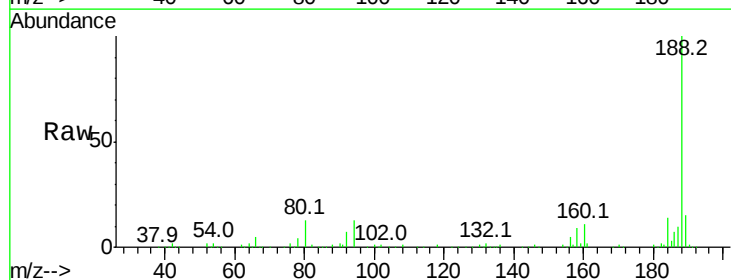
Instrument :
 BNA_F
 ClientSampleId :

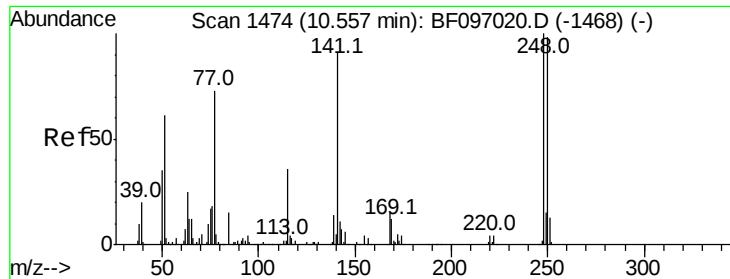
Tot Ion:165 Resp: 19586
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF097319.D
 Acq: 3 Aug 2017 14:16

Tgt Ion:188 Resp: 256176
 Ion Ratio Lower Upper
 188 100
 94 13.4 9.4 14.2
 80 13.4 10.2 15.2

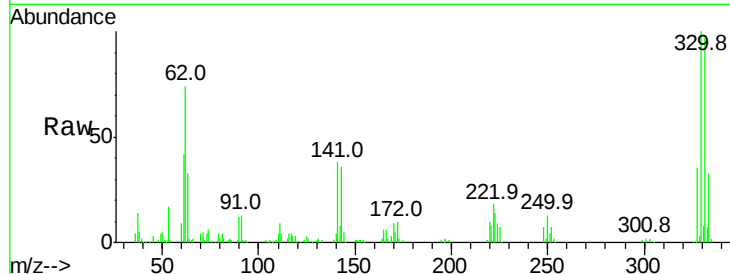




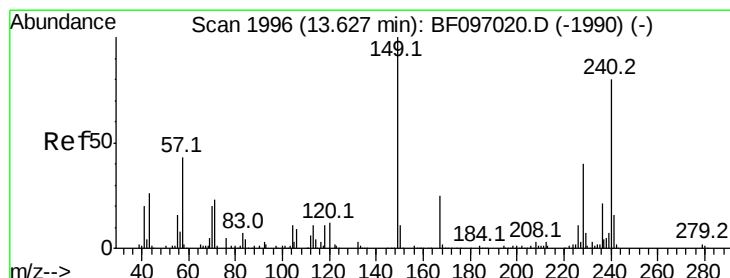
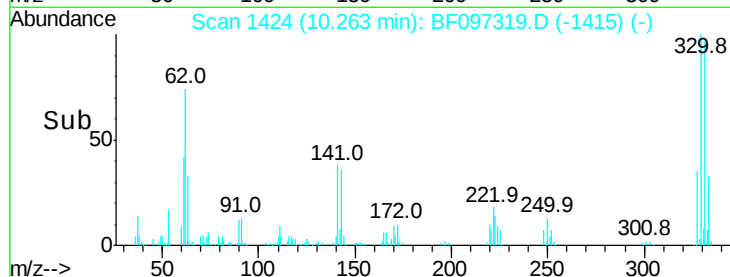
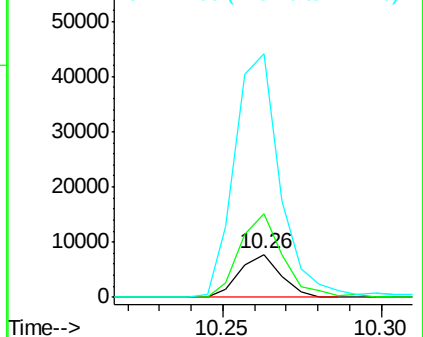
#66
4-Bromophenyl-phenylether
Concen: 2.755 ng
RT: 10.26 min Scan# 1424
Delta R.T. -0.25 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7043
Ion Ratio Lower Upper
248 100
250 195.1 76.8 115.2#
141 564.0 68.6 103.0#

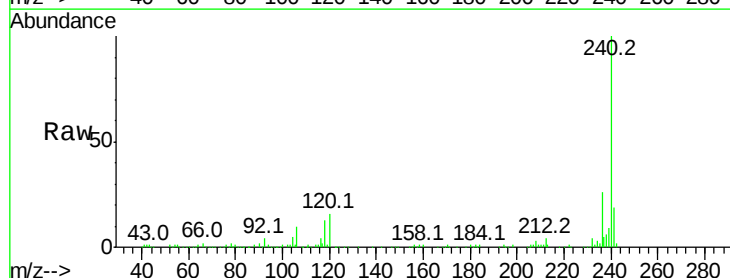


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

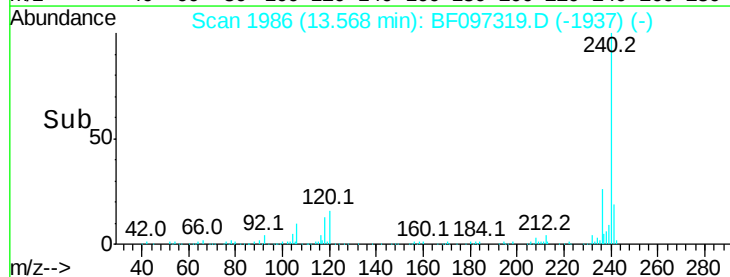
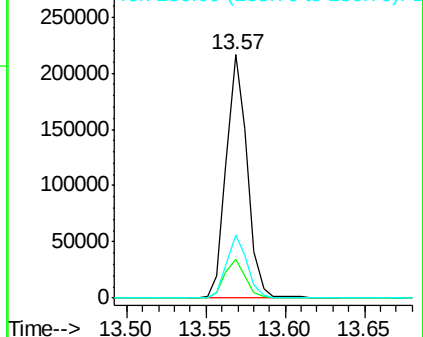


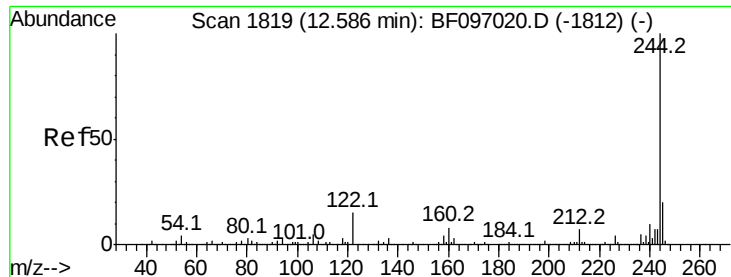
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.57 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF097319.D
Acq: 3 Aug 2017 14:16

Tgt Ion:240 Resp: 198618
Ion Ratio Lower Upper
240 100
120 16.0 5.8 8.8#
236 26.2 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





#78

Terphenyl-d14

Concen: 42.733 ng

RT: 12.53 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

Instrument :

BNA_F

ClientSampleId :

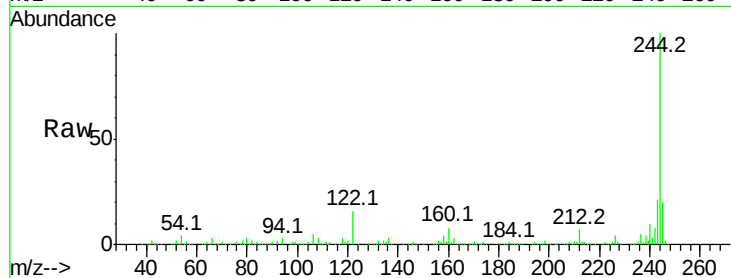
Tot Ion:244 Resp: 416288

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

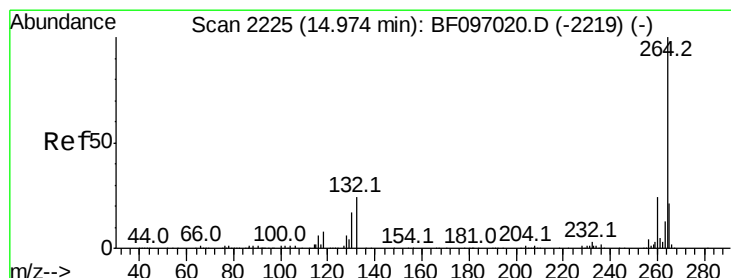
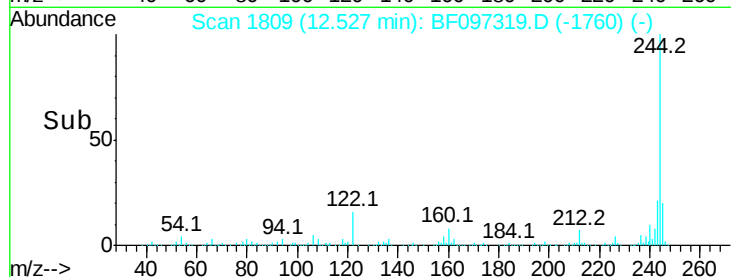
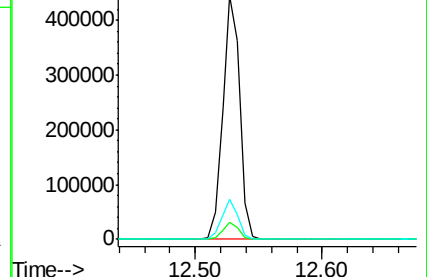
122 16.5 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097319.D

Acq: 3 Aug 2017 14:16

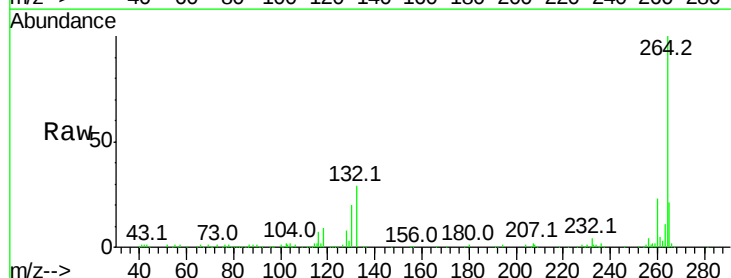
Tgt Ion:264 Resp: 170561

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 21.0 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

