

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080517\
 Data File : BF097424.D
 Acq On : 6 Aug 2017 7:02
 Operator : SJ/JU
 Sample : I4595-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Quant Time: Aug 06 07:55:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

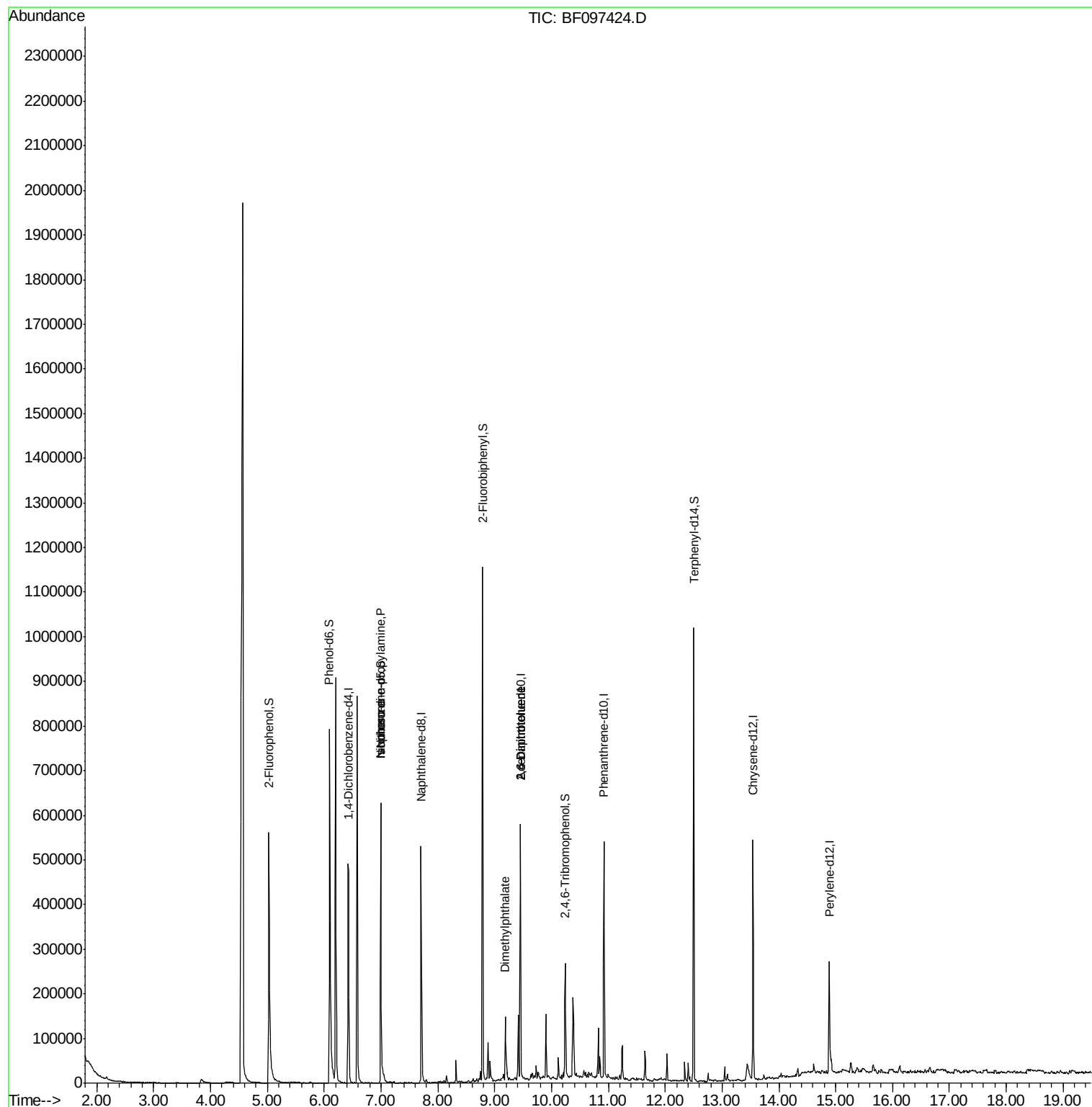
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	82927	20.00	ng	-0.07
21) Naphthalene-d8	7.70	136	280244	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	108256	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	178425	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	170684	20.00	ng	-0.08
86) Perylene-d12	14.89	264	106187	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	250781	45.59	ng	-0.08
7) Phenol-d6	6.09	99	338635	53.92	ng	-0.08
23) Nitrobenzene-d5	6.99	82	207739	43.49	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	30384	35.52	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	380445	59.64	ng	-0.08
78) Terphenyl-d14	12.50	244	295374	35.28	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.99	70	27046	6.54	ng	# 88
25) Isophorone	6.99	82	207738	22.21	ng	# 67
49) Dimethylphthalate	9.19	163	50221	6.11	ng	97
50) 2,6-Dinitrotoluene	9.45	165	13253	7.60	ng	# 34
56) 2,4-Dinitrotoluene	9.45	165	13253	6.61	ng	# 33

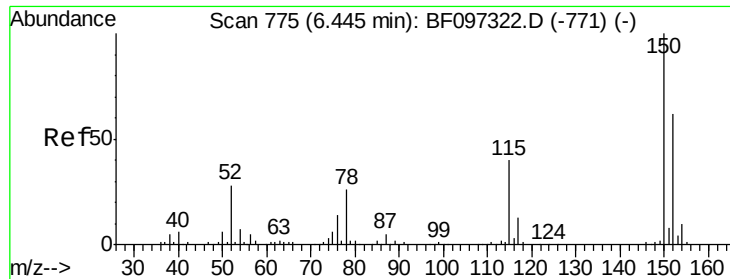
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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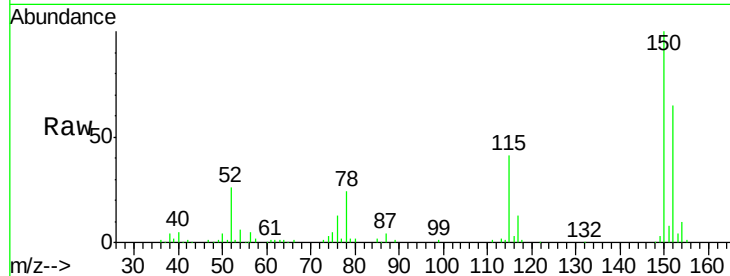


#1

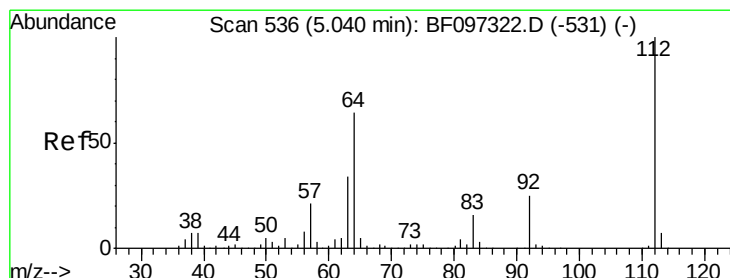
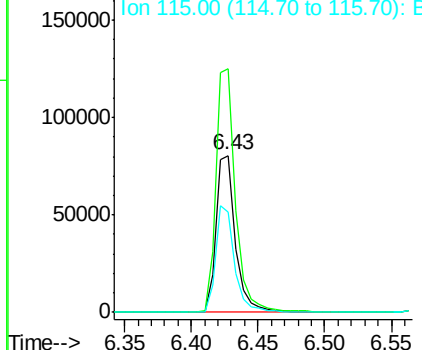
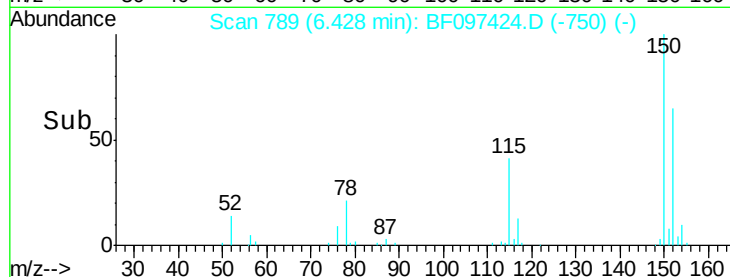
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.43 min Scan# 789
 Delta R.T. -0.07 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Tgt Ion:152 Resp: 82927
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.2 189.2
 115 63.5 52.2 78.2



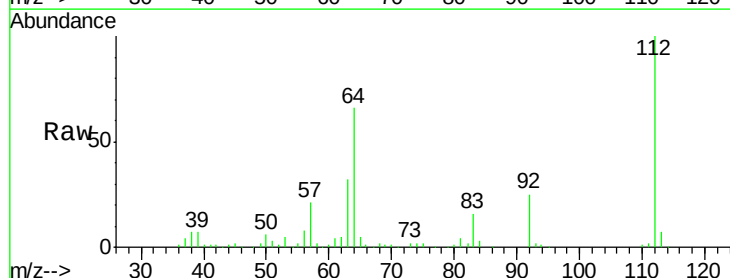
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



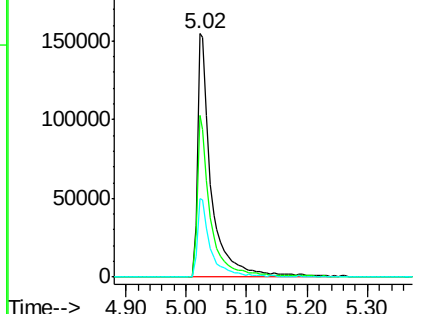
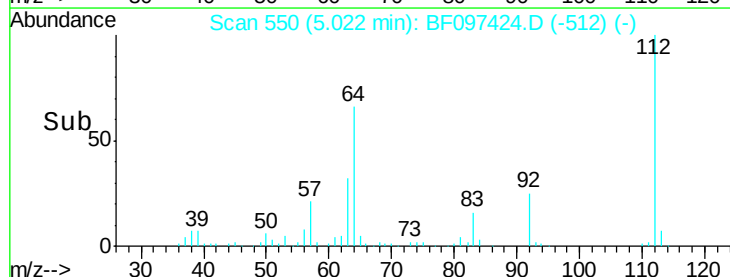
#5

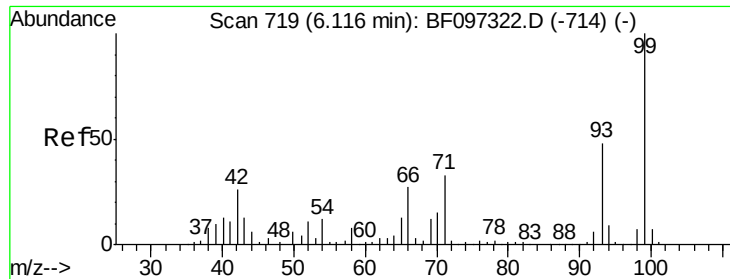
2-Fluorophenol
 Concen: 45.59 ng
 RT: 5.02 min Scan# 550
 Delta R.T. -0.08 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

Tgt Ion:112 Resp: 250781
 Ion Ratio Lower Upper
 112 100
 64 66.4 46.0 69.0
 63 32.2 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: 53.92 ng

RT: 6.09 min Scan# 732

Delta R.T. -0.08 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Instrument :

BNA_F

ClientSampleId :

72-11976

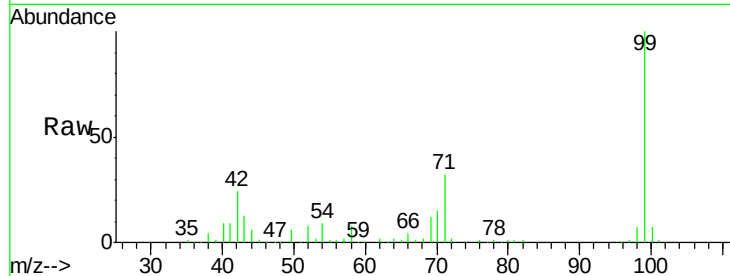
Tgt Ion: 99 Resp: 338635

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

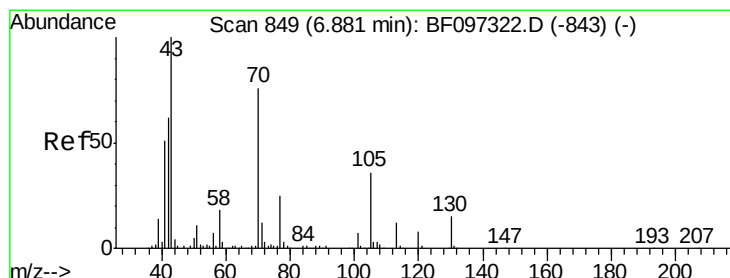
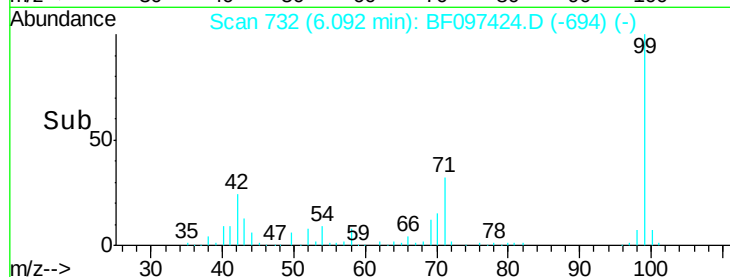
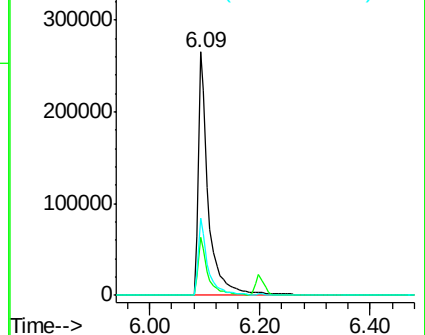
71 31.5 24.5 36.7



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: 6.54 ng

RT: 6.99 min Scan# 885

Delta R.T. 0.06 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Tgt Ion: 70 Resp: 27046

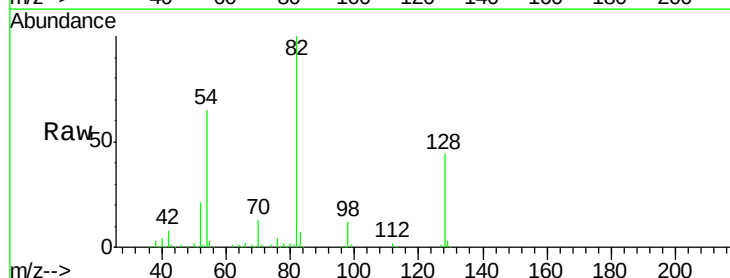
Ion Ratio Lower Upper

70 100

42 60.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

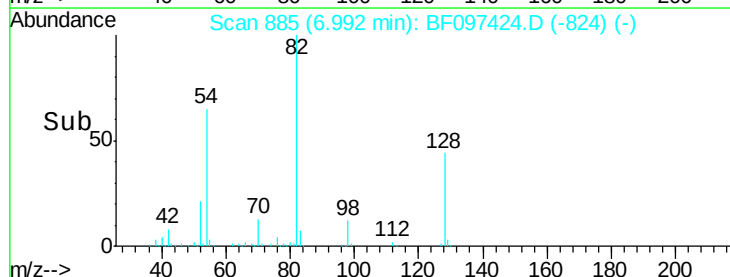
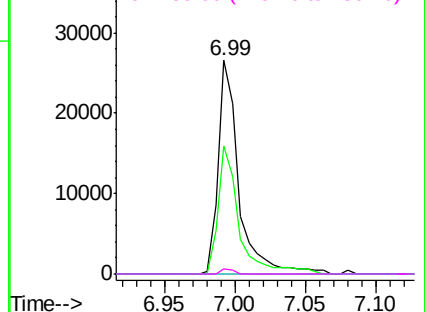


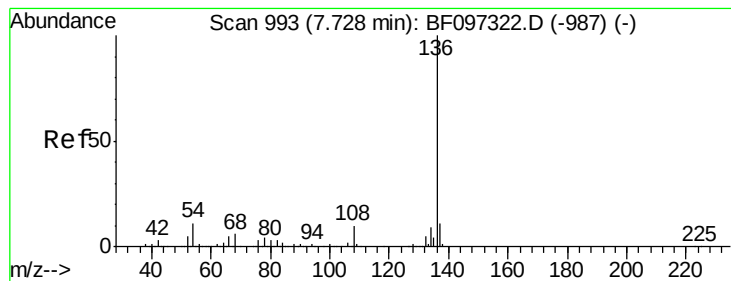
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.70 min Scan# 1006

Delta R.T. -0.08 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Instrument :

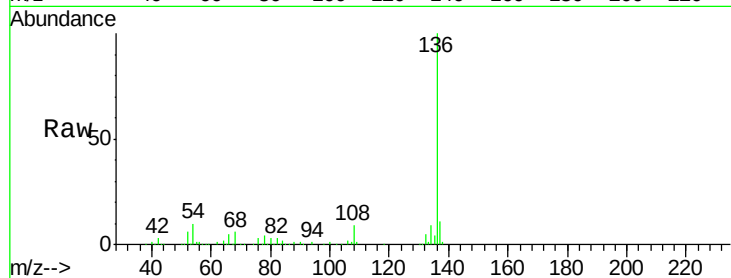
BNA_F

ClientSampleId :

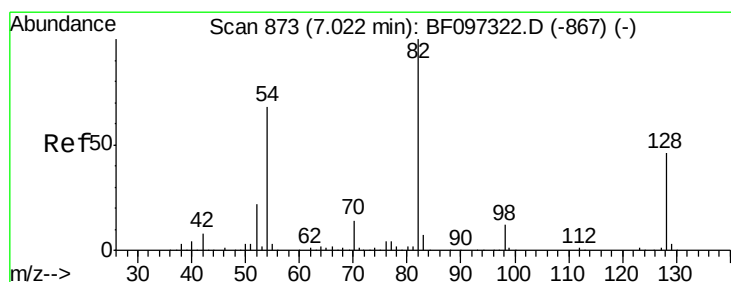
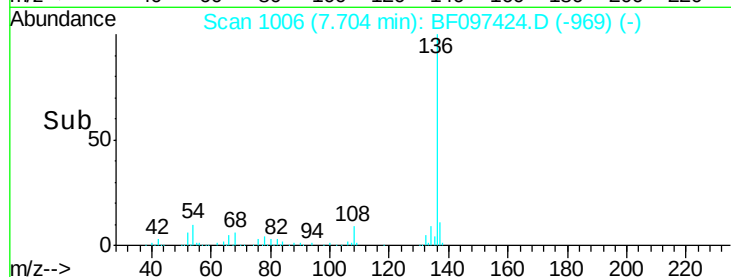
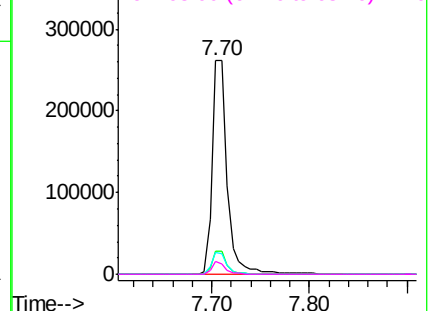
72-11976

Tgt Ion: 136 Resp: 280244

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	4.9	7.3#
68	5.8	4.1	6.1



Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 43.49 ng

RT: 6.99 min Scan# 885

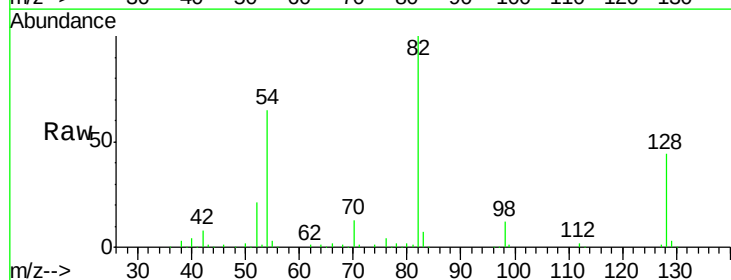
Delta R.T. -0.08 min

Lab File: BF097424.D

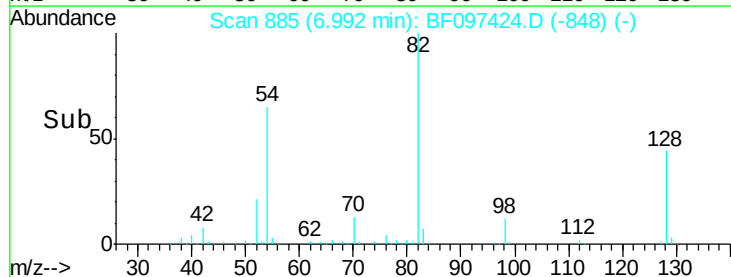
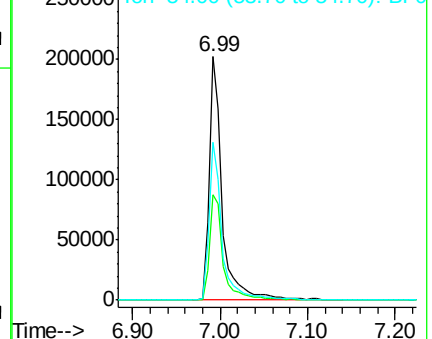
Acq: 6 Aug 2017 7:02

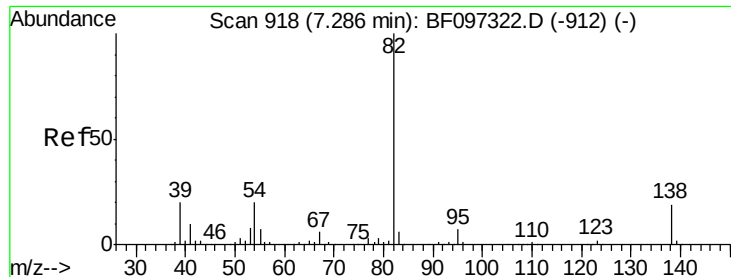
Tgt Ion: 82 Resp: 207739

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	65.0	42.2	63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0





#25

Isophorone

Concen: 22.21 ng

RT: 6.99 min Scan# 885

Delta R.T. -0.35 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Instrument :

BNA_F

ClientSampleId :

72-11976

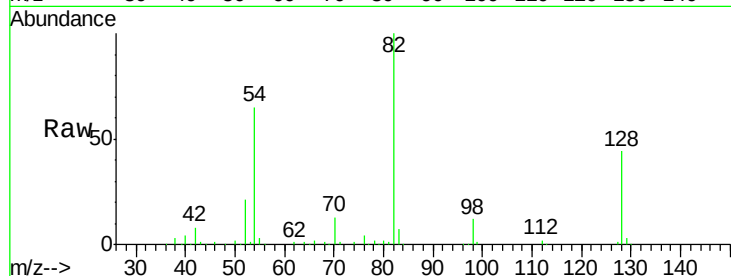
Tgt Ion: 82 Resp: 207738

Ion Ratio Lower Upper

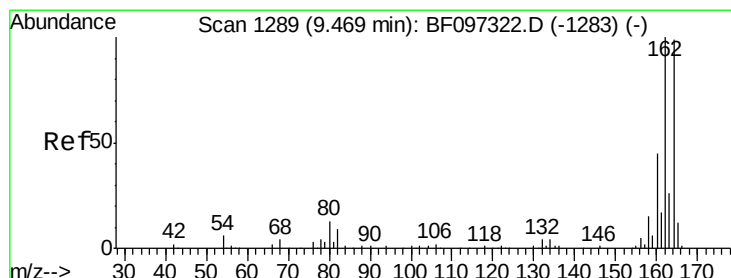
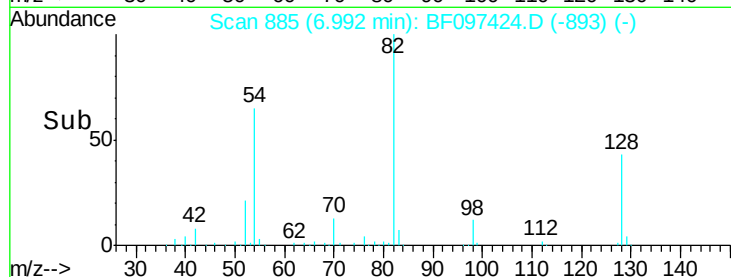
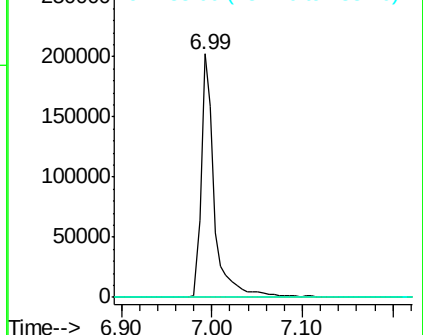
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.45 min Scan# 1303

Delta R.T. -0.08 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

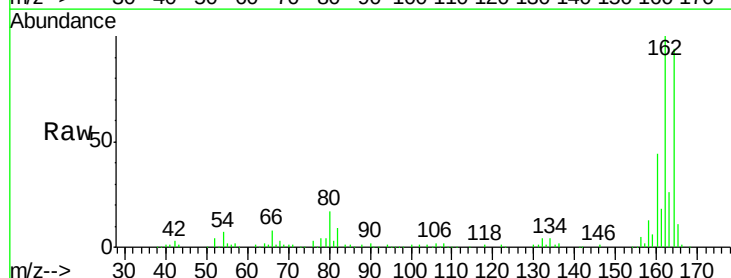
Tgt Ion: 164 Resp: 108256

Ion Ratio Lower Upper

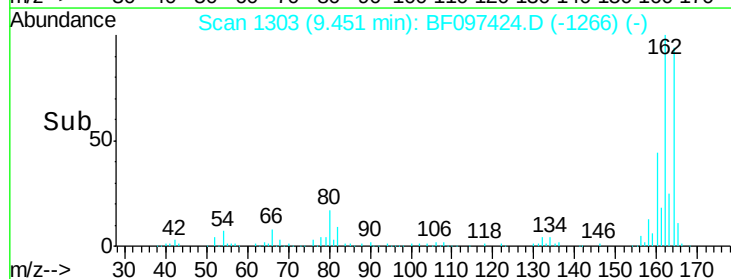
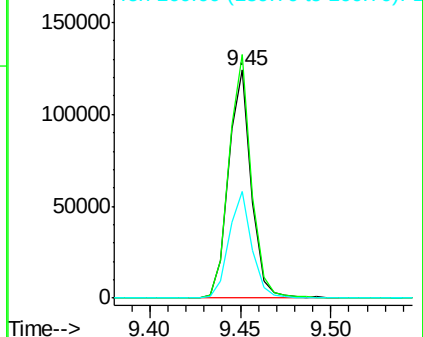
164 100

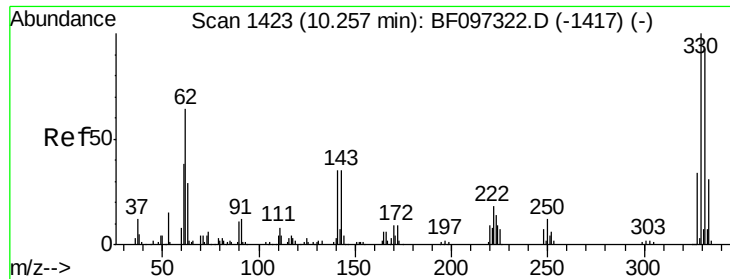
162 106.7 82.6 123.8

160 46.8 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

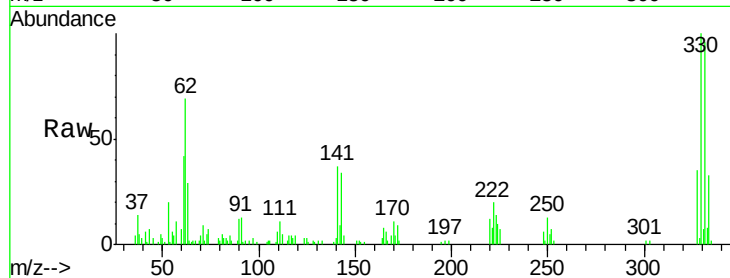




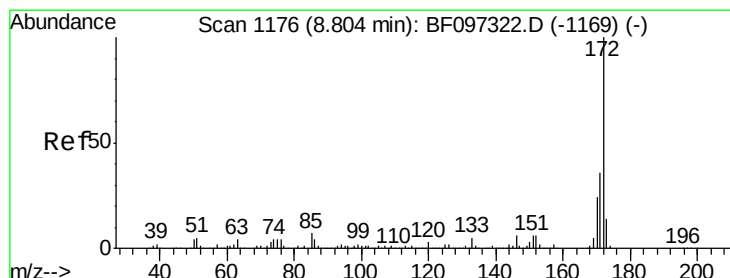
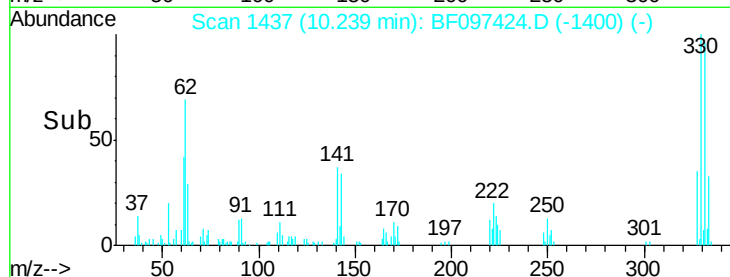
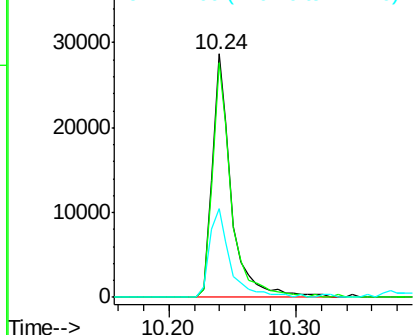
#41
 2,4,6-Tribromophenol
 Concen: 35.52 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Tgt Ion: 330 Resp: 30384
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 39.8 31.4 47.2

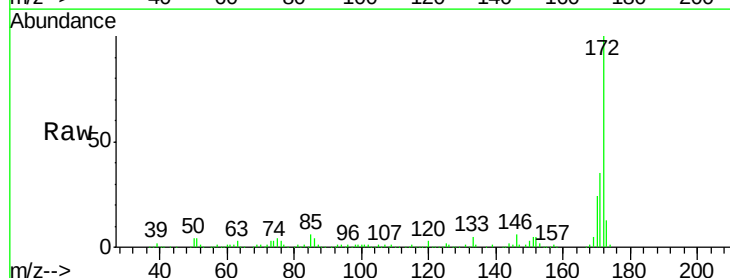


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

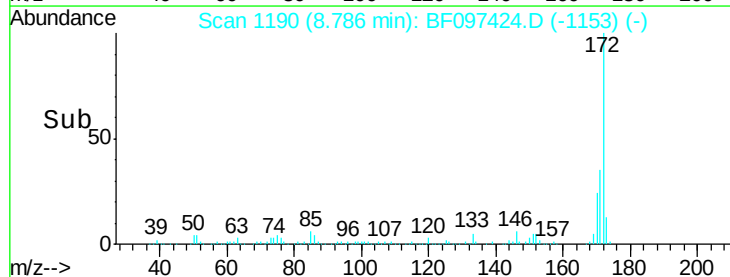
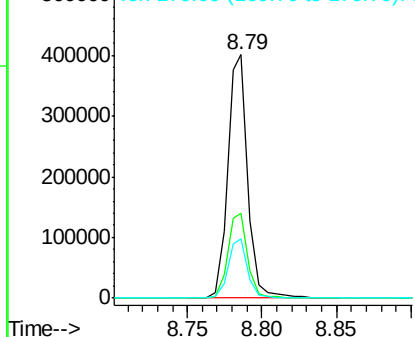


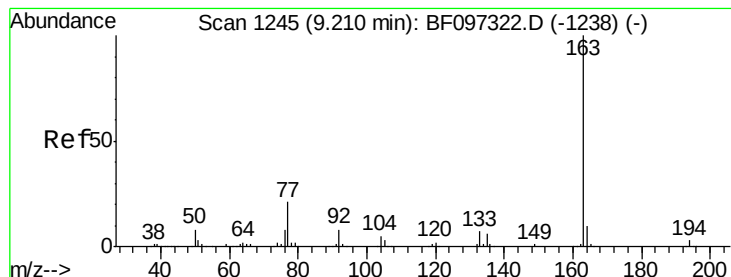
#44
 2-Fluorobiphenyl
 Concen: 59.64 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

Tgt Ion: 172 Resp: 380445
 Ion Ratio Lower Upper
 172 100
 171 35.1 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: 6.11 ng

RT: 9.19 min Scan# 1258

Delta R.T. -0.09 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Instrument :

BNA_F

ClientSampleId :

72-11976

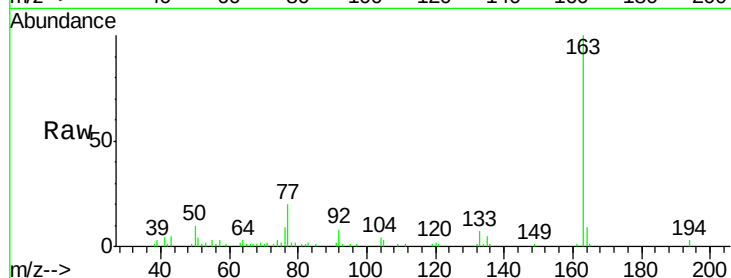
Tgt Ion:163 Resp: 50221

Ion Ratio Lower Upper

163 100

194 2.7 2.6 4.0

164 9.4 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

9.19

60000

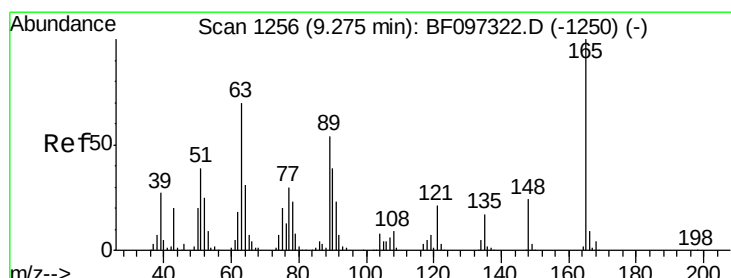
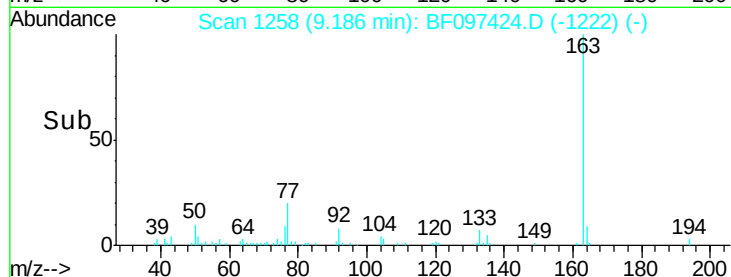
40000

20000

0

9.15 9.20 9.25 9.30

Time-->



#50

2,6-Dinitrotoluene

Concen: 7.60 ng

RT: 9.45 min Scan# 1303

Delta R.T. 0.12 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

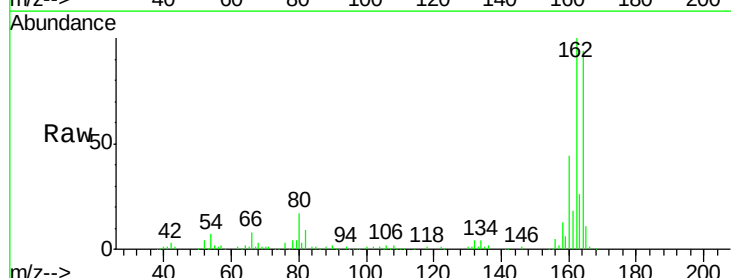
Tgt Ion:165 Resp: 13253

Ion Ratio Lower Upper

165 100

63 3.1 34.3 51.5#

89 0.0 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

9.45

20000

15000

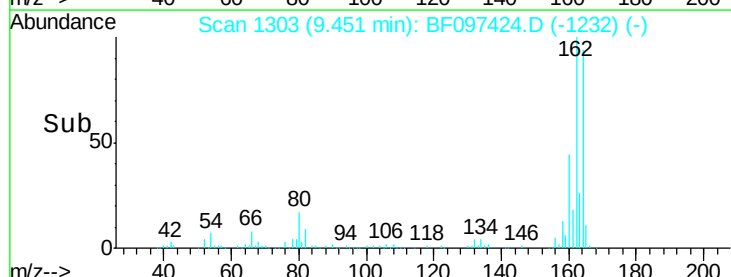
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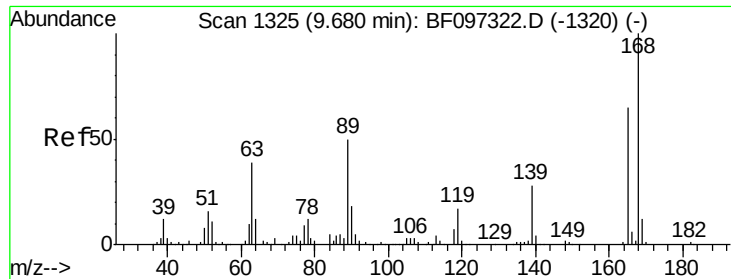
5000

0

9.40 9.45 9.50

Time-->

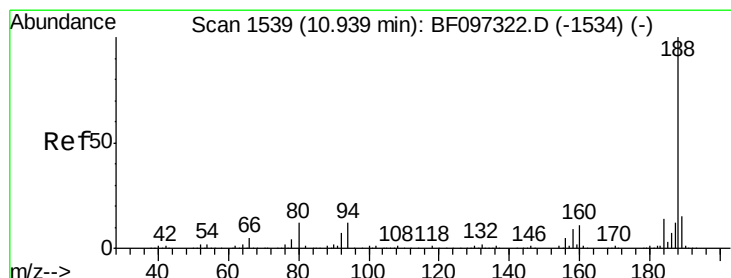
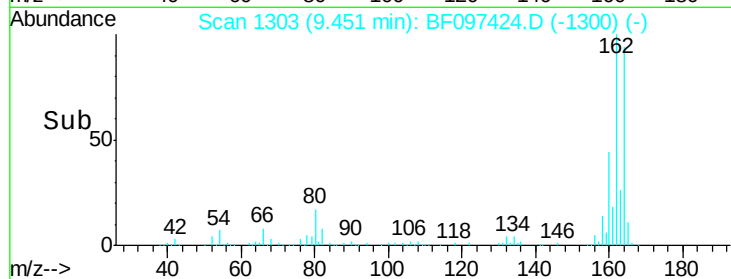
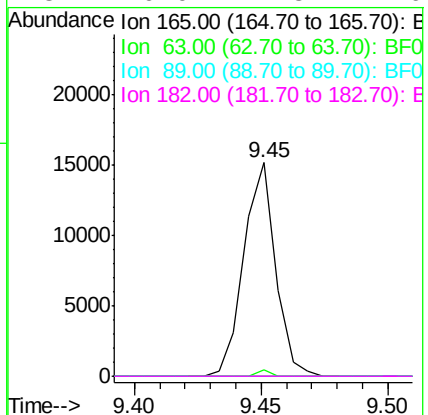
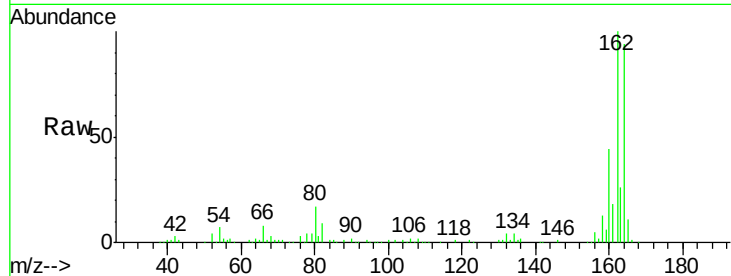




#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.28 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

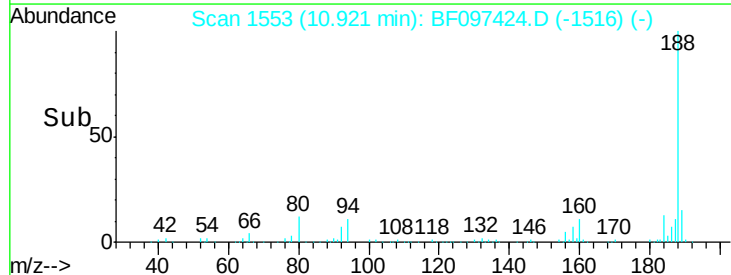
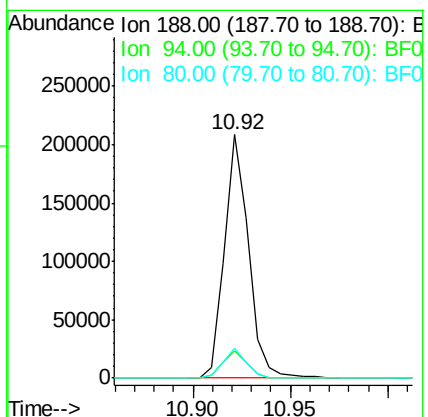
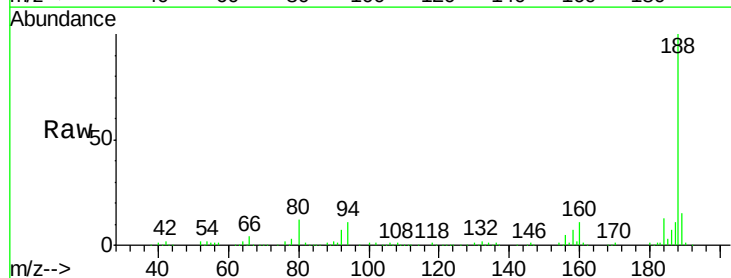
Instrument :
 BNA_F
 ClientSampleId :
 72-11976

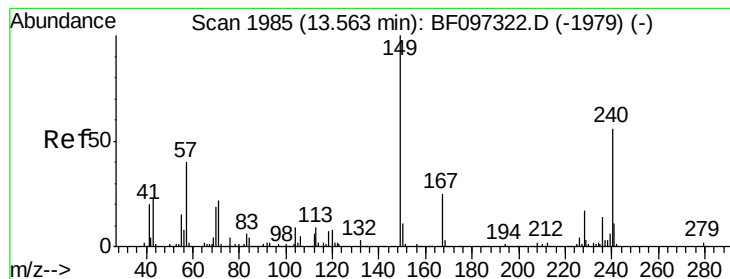
Tgt Ion:	165	Resp:	13253
Ion	Ratio	Lower	Upper
165	100		
63	3.1	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.08 min
 Lab File: BF097424.D
 Acq: 6 Aug 2017 7:02

Tgt Ion:	188	Resp:	178425
Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.1	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

Instrument :

BNA_F

ClientSampleId :

72-11976

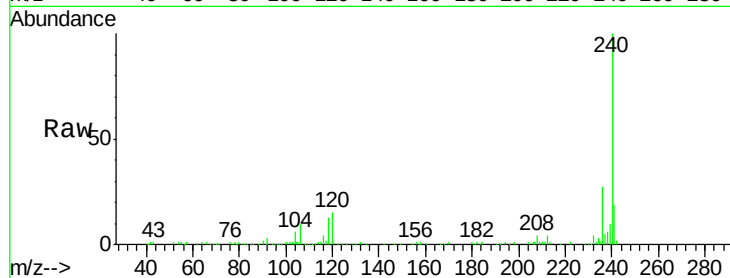
Tgt Ion:240 Resp: 170684

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

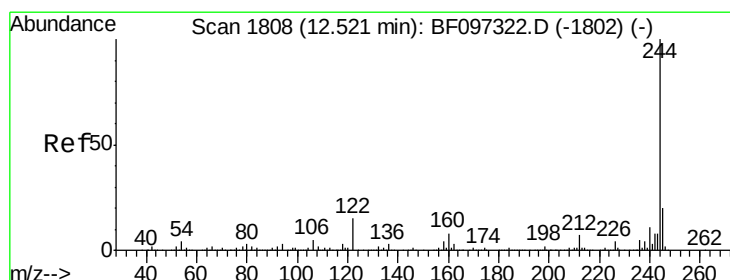
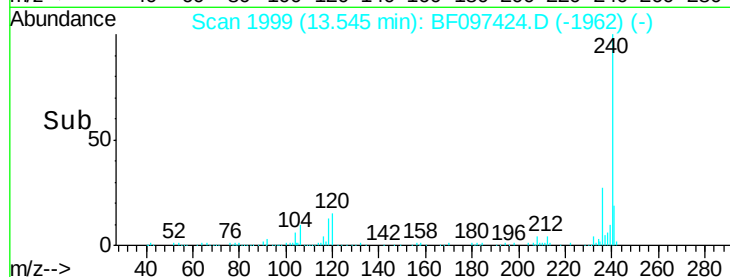
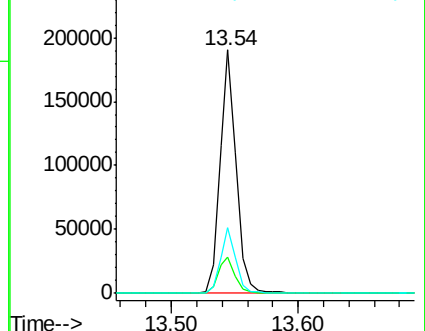
236 27.0 20.5 30.7



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



#78

Terphenyl-d14

Concen: 35.28 ng

RT: 12.50 min Scan# 1822

Delta R.T. -0.08 min

Lab File: BF097424.D

Acq: 6 Aug 2017 7:02

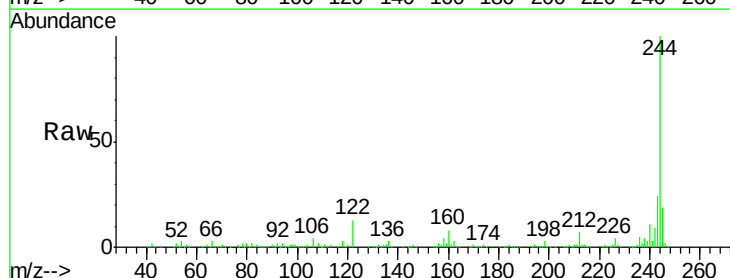
Tgt Ion:244 Resp: 295374

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

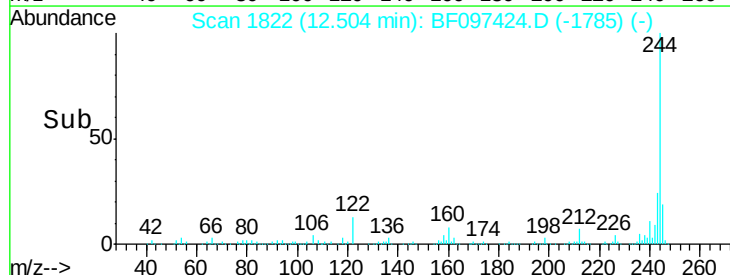
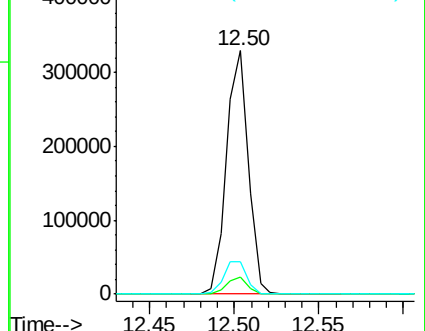
122 13.5 10.3 15.5

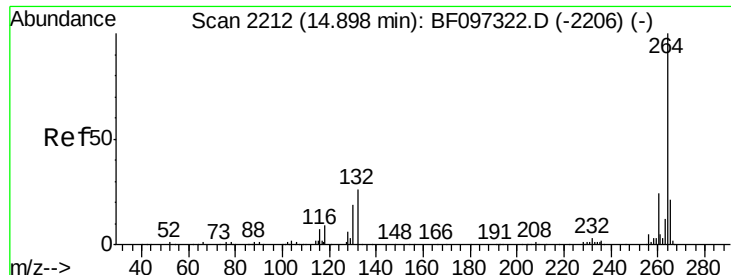


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

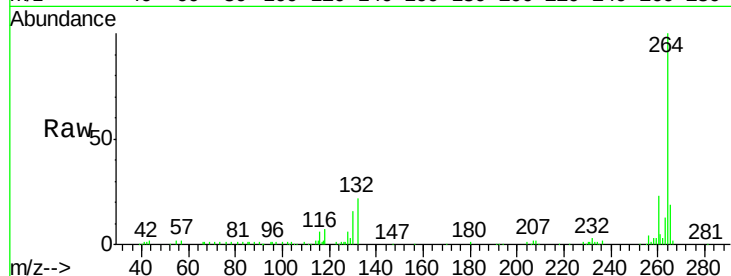




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097424.D
Acq: 6 Aug 2017 7:02

Instrument :
BNA_F
ClientSampleId :
72-11976

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	19.5	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

