

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089480.D
 Acq On : 31 Jul 2016 19:48
 Operator : UM/SJ
 Sample : H4251-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:16:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

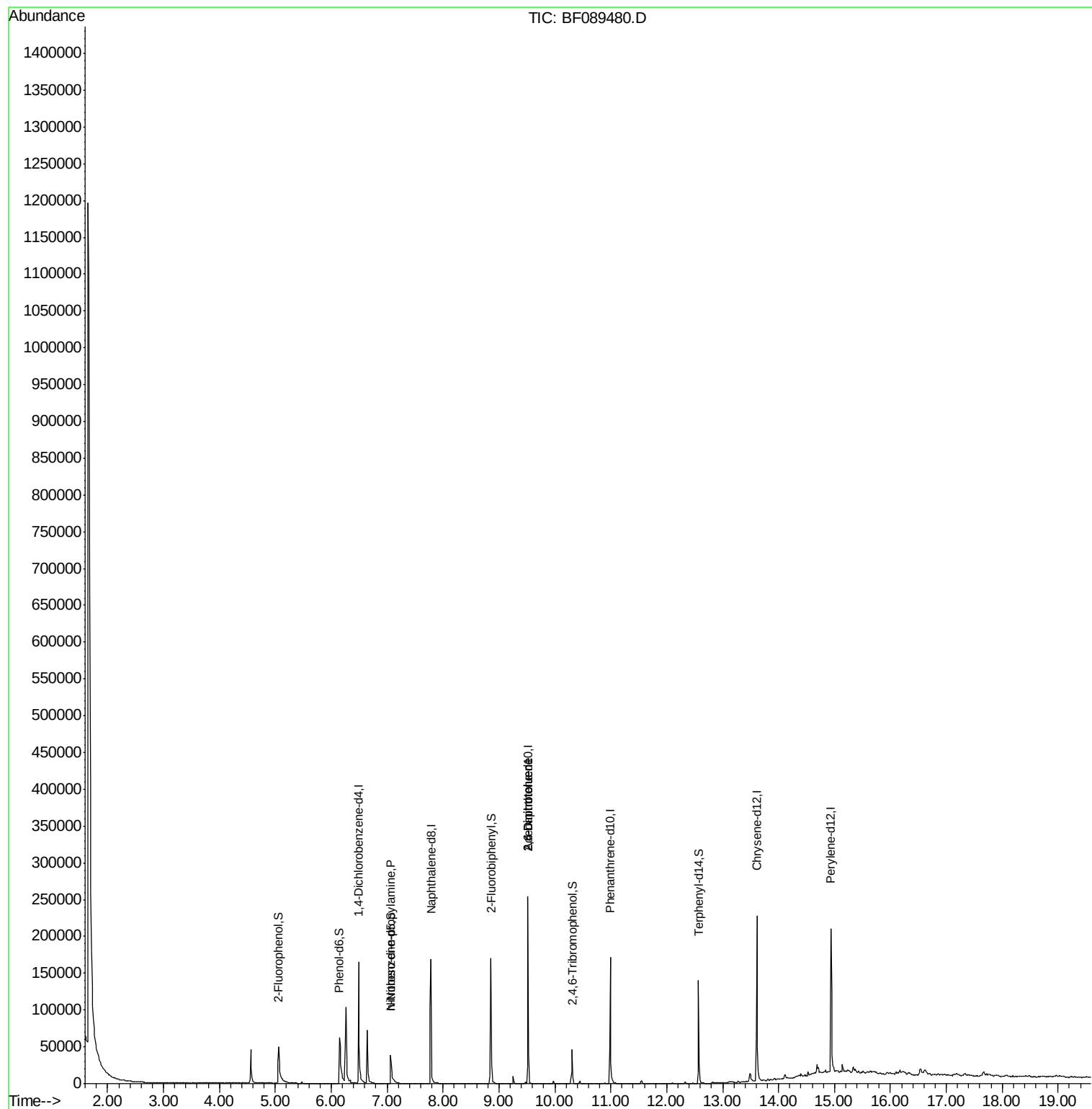
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	33841	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	120329	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	49371	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	79590	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	89392	20.00	ng	-0.06
86) Perylene-d12	14.94	264	89326	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	40556	19.14	ng	-0.05
7) Phenol-d6	6.15	99	59125	21.11	ng	-0.06
23) Nitrobenzene-d5	7.06	82	34627	16.99	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	6766	16.55	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	60167	17.88	ng	-0.06
78) Terphenyl-d14	12.57	244	48955	12.82	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	3689	2.18	ng	# 82
50) 2,6-Dinitrotoluene	9.52	165	5995	7.77	ng	# 24
56) 2,4-Dinitrotoluene	9.52	165	5995	5.90	ng	# 7

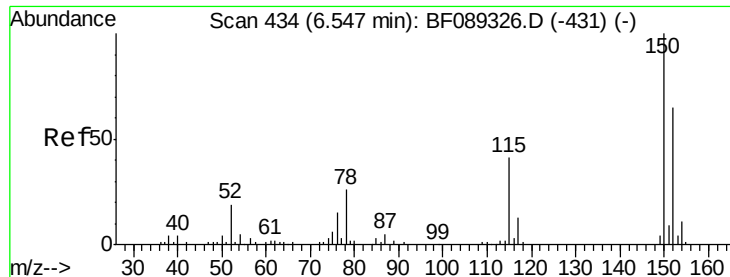
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

Instrument :

BNA_F

ClientSampleId :

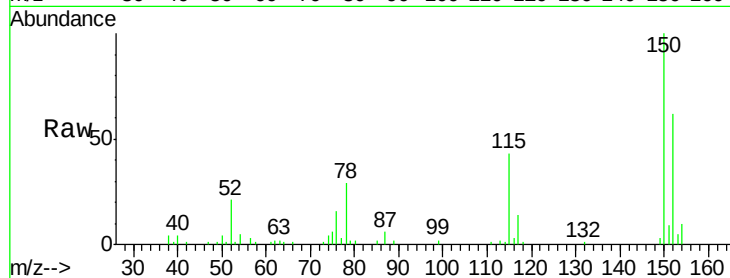
Tot Ion:152 Resp: 33841

Ion Ratio Lower Upper

152 100

150 160.6 129.5 194.3

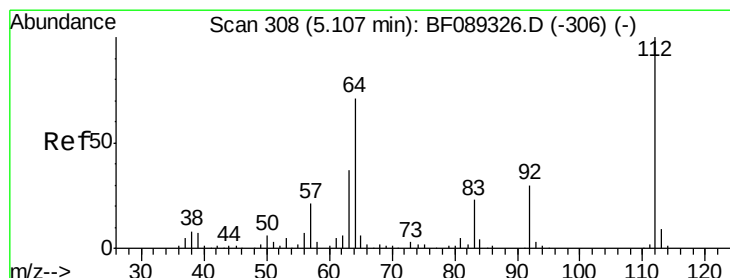
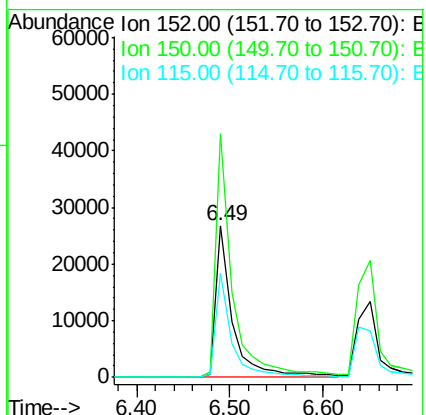
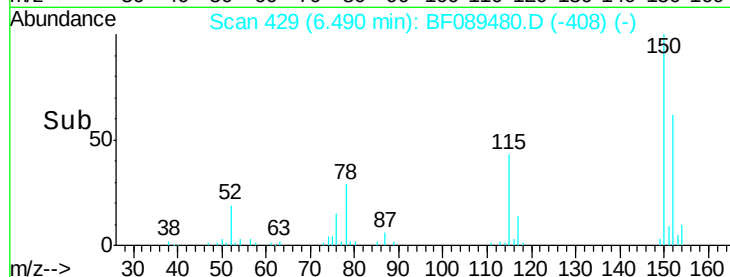
115 68.4 51.4 77.2



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: 19.14 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

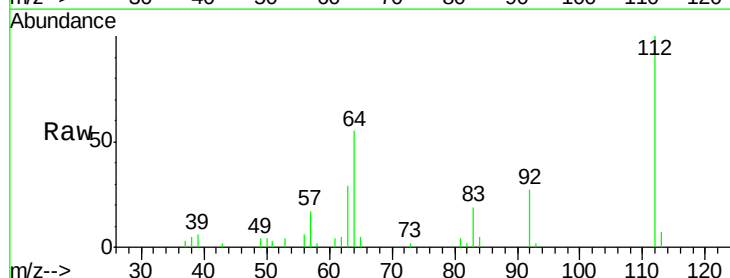
Tgt Ion:112 Resp: 40556

Ion Ratio Lower Upper

112 100

64 55.4 55.0 82.6

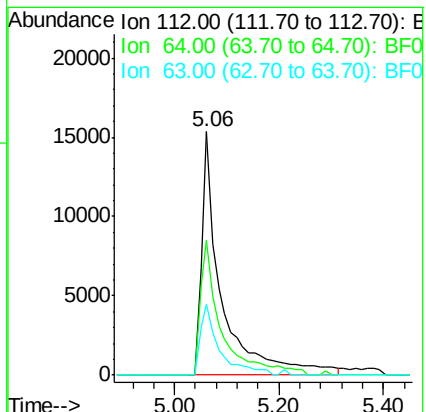
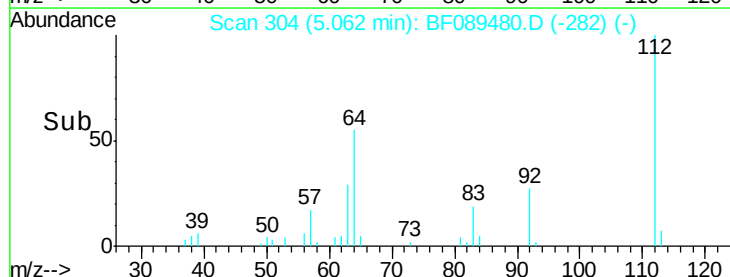
63 29.2 29.4 44.2#

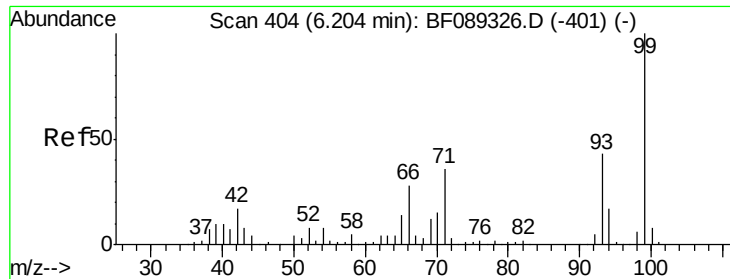


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.11 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

Instrument :

BNA_F

ClientSampleId :

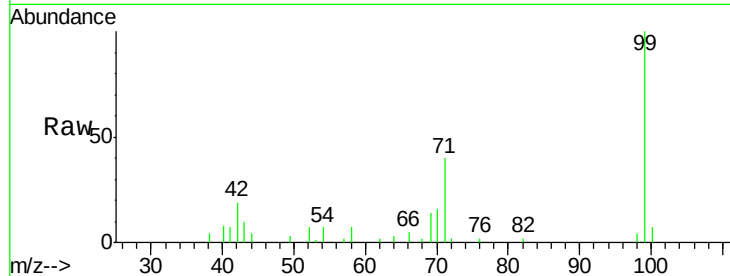
Tot Ion: 99 Resp: 59125

Ion Ratio Lower Upper

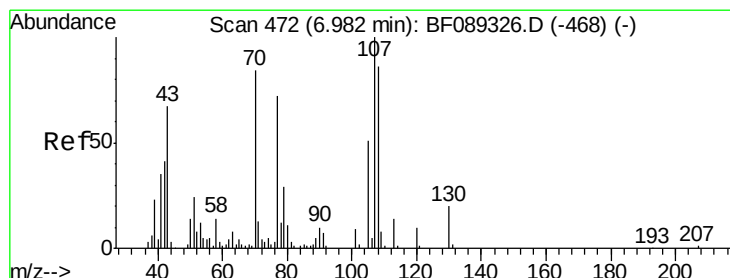
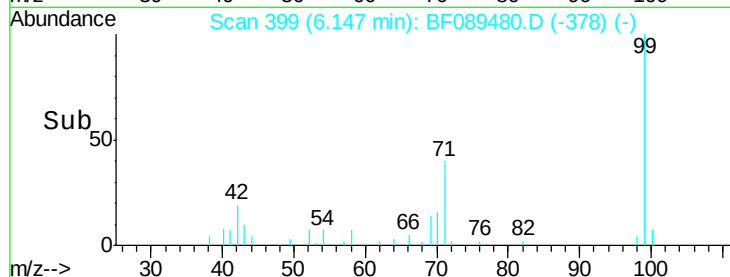
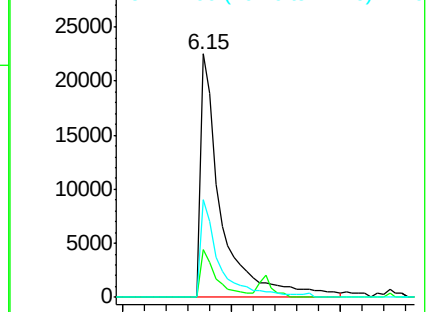
99 100

42 19.5 13.6 20.4

71 40.0 29.4 44.2



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: 2.18 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.08 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

Tgt Ion: 70 Resp: 3689

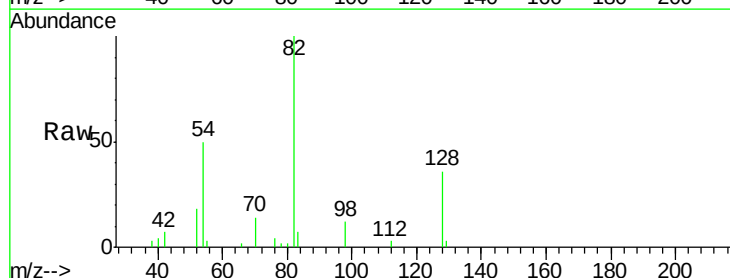
Ion Ratio Lower Upper

70 100

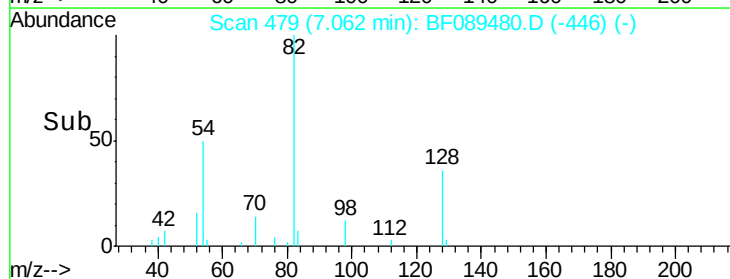
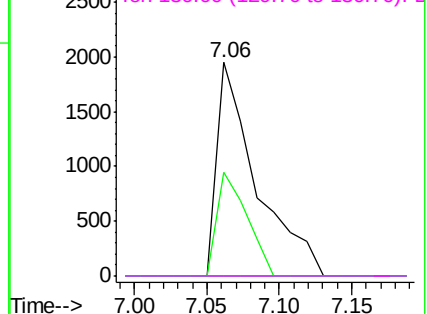
42 48.7 38.6 57.8

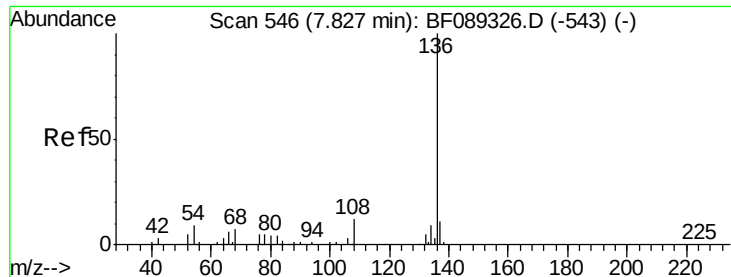
101 0.0 8.3 12.5#

130 0.0 19.0 28.4#



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: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089480.D

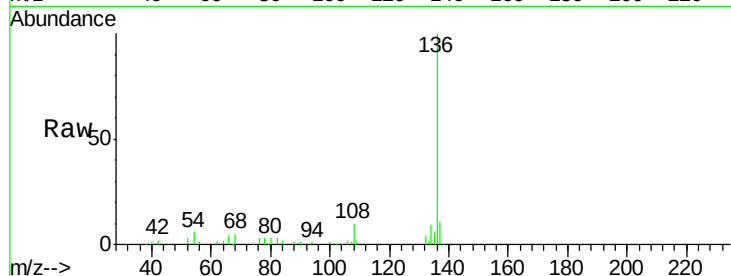
Acq: 31 Jul 2016 19:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	120329
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.6 13.0
54	5.8	7.0 10.4#
68	4.6	4.9 7.3#

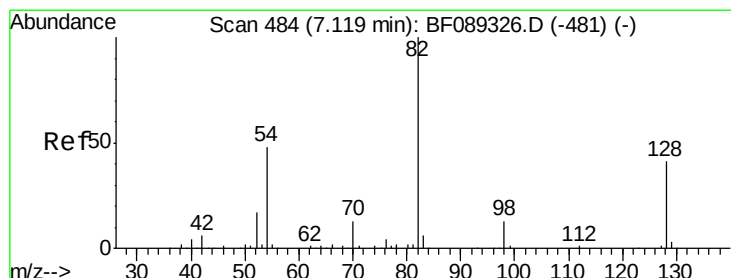
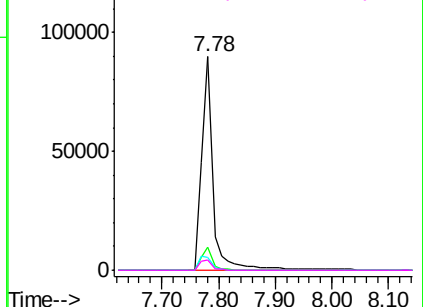
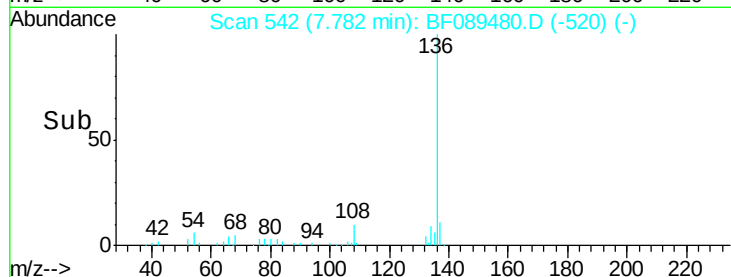


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.99 ng

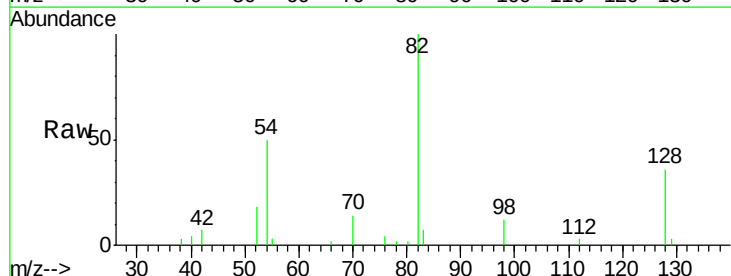
RT: 7.06 min Scan# 479

Delta R.T. -0.06 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

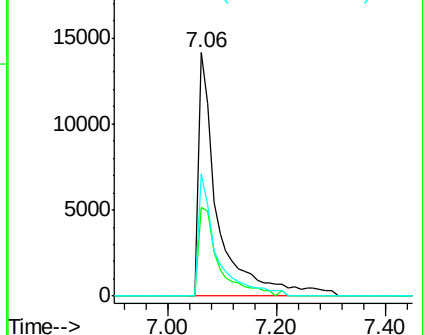
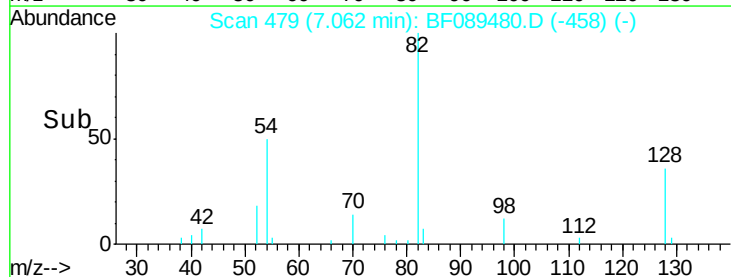
Tgt Ion: 82	Resp:	34627
Ion Ratio	Lower	Upper
82	100	
128	36.2	32.5 48.7
54	50.1	38.8 58.2

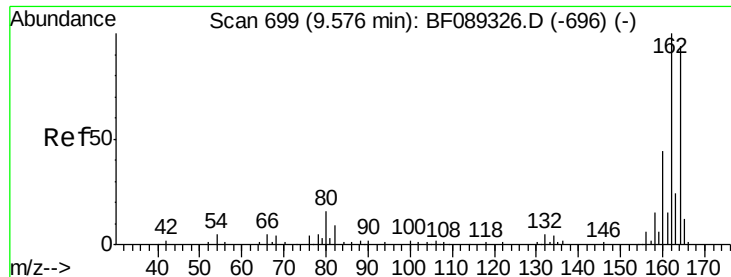


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

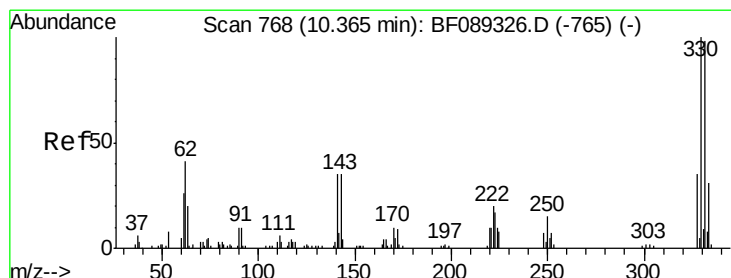
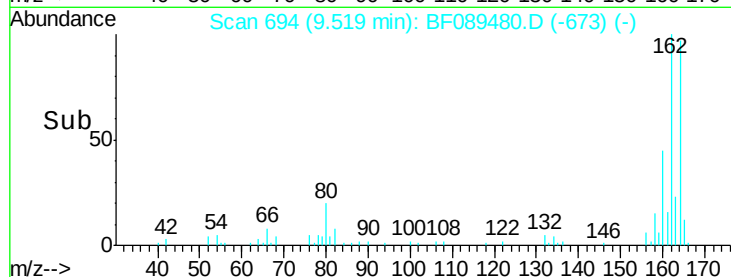
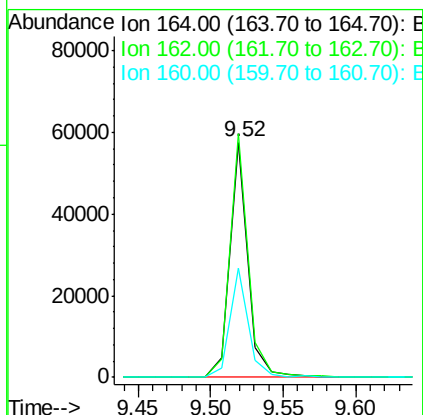
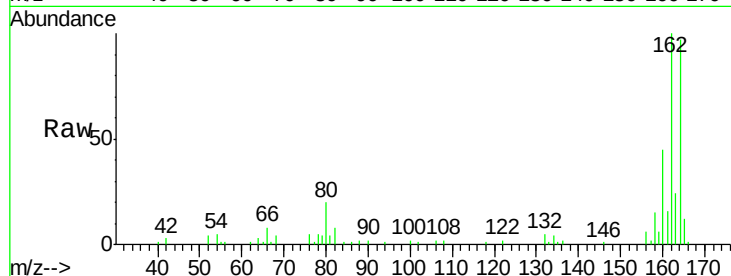




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089480.D
 Acq: 31 Jul 2016 19:48

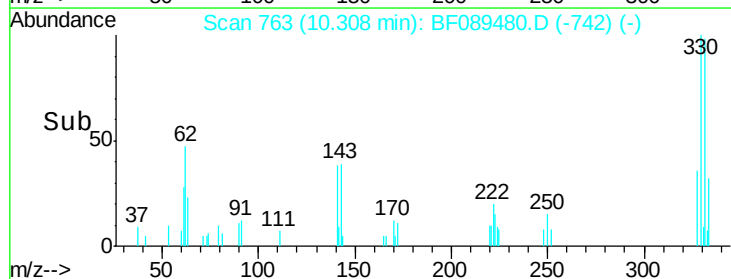
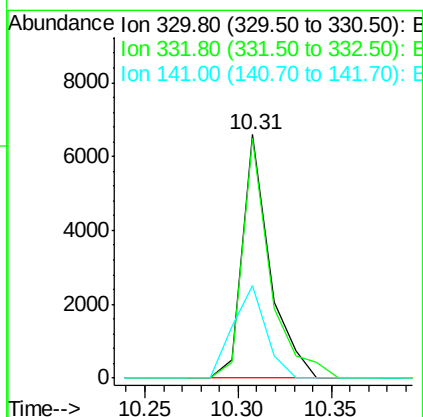
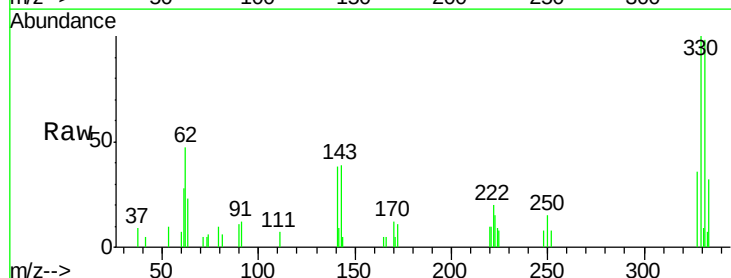
Instrument :
 BNA_F
 ClientSampleId :

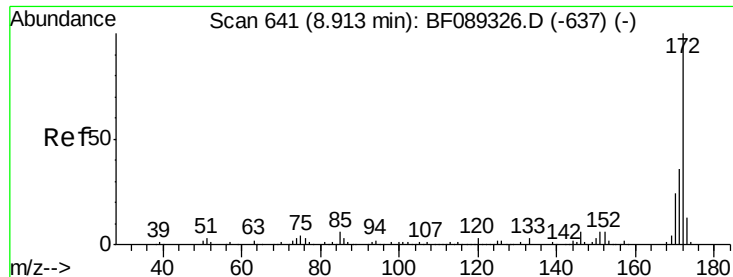
Tot Ion:164 Resp: 49371
 Ion Ratio Lower Upper
 164 100
 162 103.6 83.7 125.5
 160 46.6 37.8 56.6



#41
 2,4,6-Tribromophenol
 Concen: 16.55 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089480.D
 Acq: 31 Jul 2016 19:48

Tgt Ion:330 Resp: 6766
 Ion Ratio Lower Upper
 330 100
 332 99.5 76.8 115.2
 141 45.8 37.3 55.9

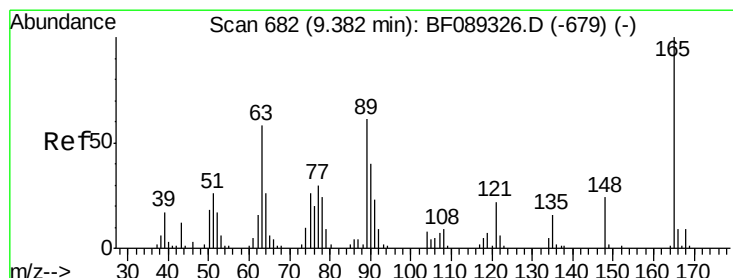
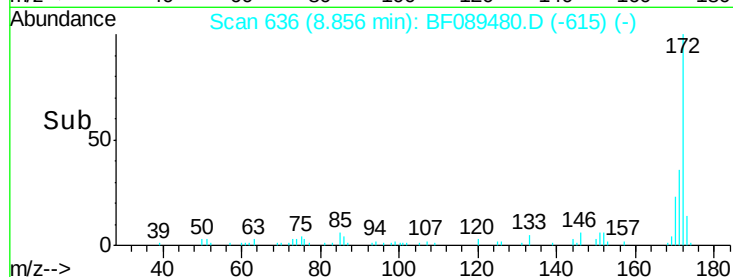
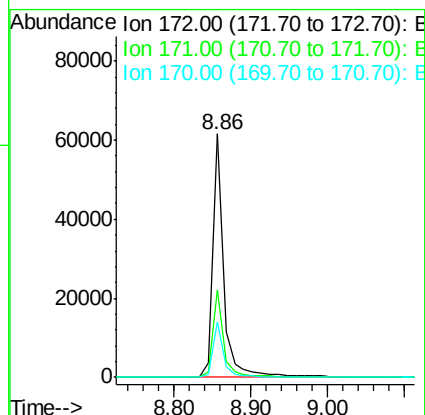
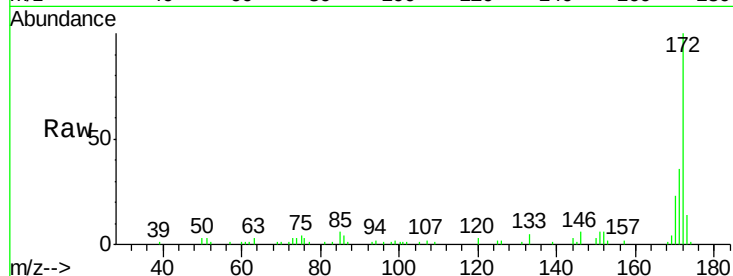




#44
2-Fluorobiphenyl
Concen: 17.88 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.06 min
Lab File: BF089480.D
Acq: 31 Jul 2016 19:48

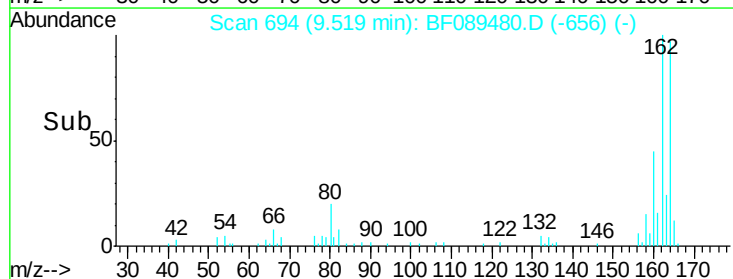
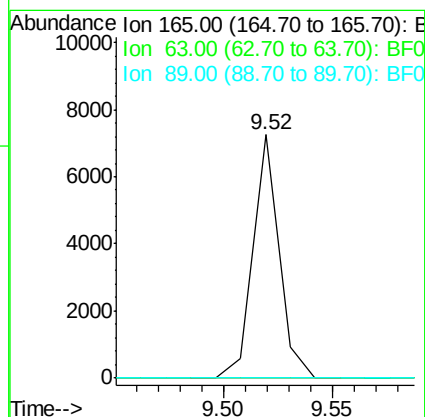
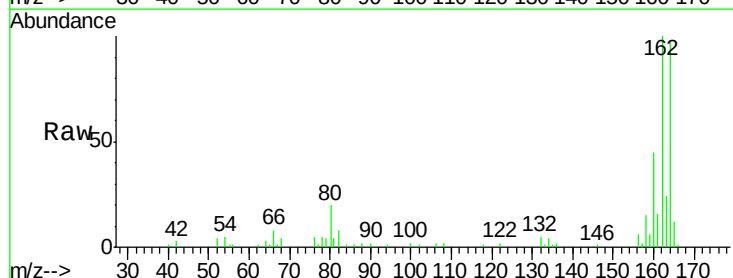
Instrument :
BNA_F
ClientSampleId :

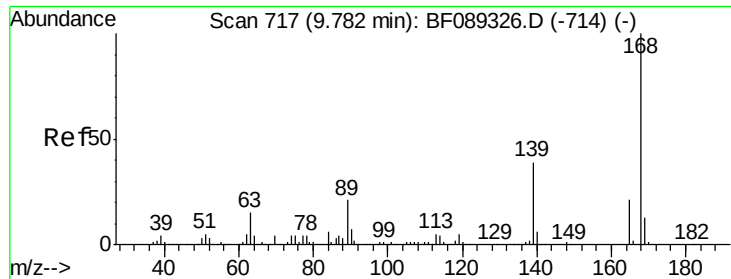
Tot Ion:172 Resp: 60167
Ion Ratio Lower Upper
172 100
171 35.8 29.2 43.8
170 23.0 19.2 28.8



#50
2,6-Dinitrotoluene
Concen: 7.77 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.14 min
Lab File: BF089480.D
Acq: 31 Jul 2016 19:48

Tgt Ion:165 Resp: 5995
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 45.0 67.4#

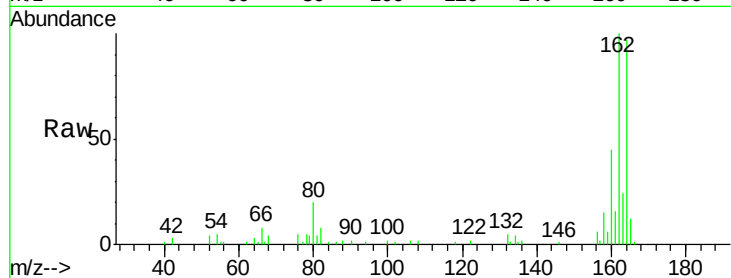




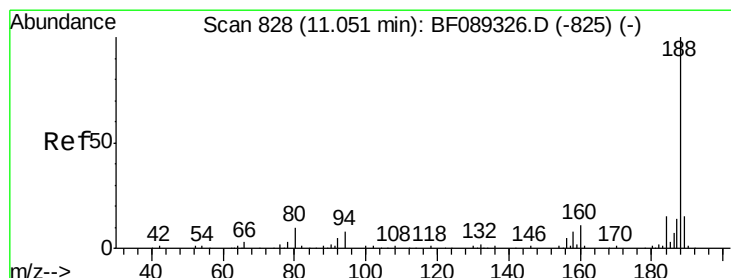
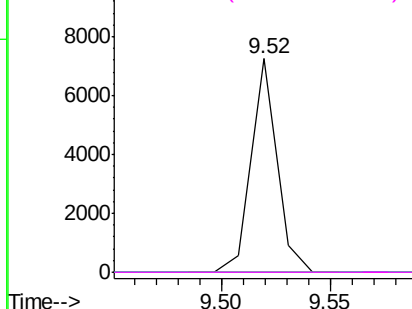
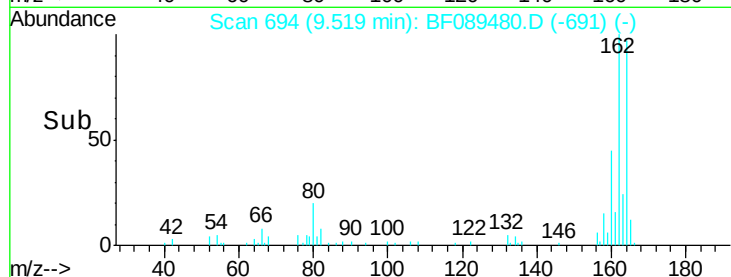
#56
 2,4-Dinitrotoluene
 Concen: 5.90 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.26 min
 Lab File: BF089480.D
 Acq: 31 Jul 2016 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 5995
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#

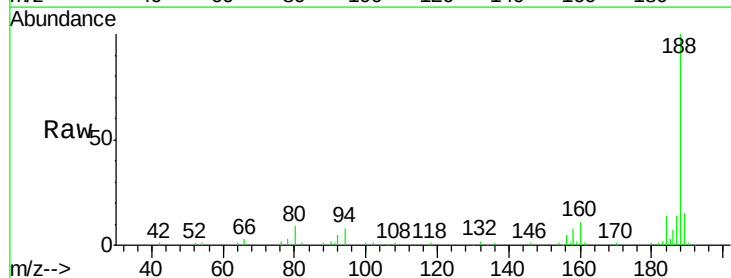


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

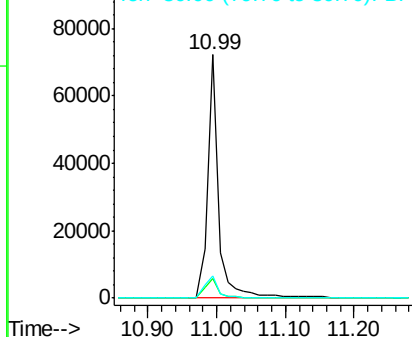
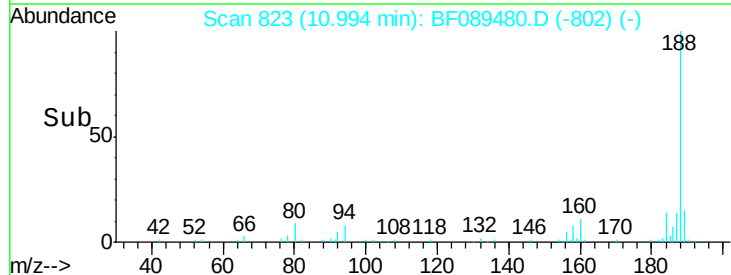


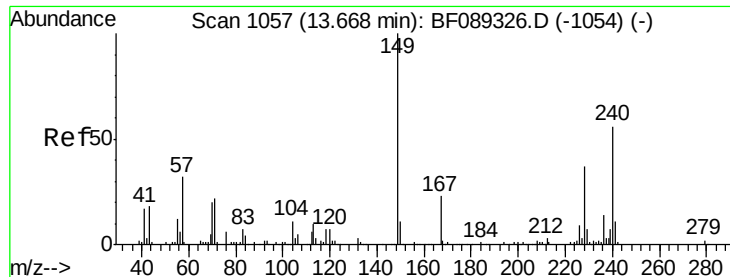
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089480.D
 Acq: 31 Jul 2016 19:48

Tgt Ion:188 Resp: 79590
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.5 9.7
 80 9.3 7.2 10.8



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

Instrument :

BNA_F

ClientSampled :

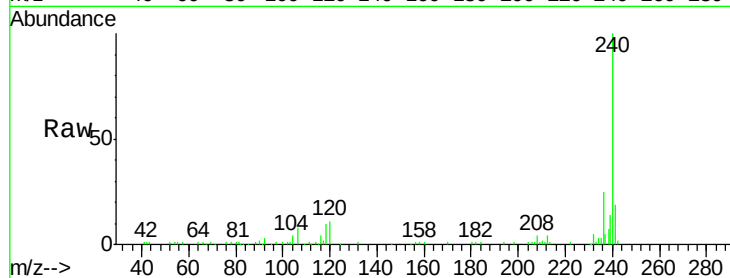
Tot Ion:240 Resp: 89392

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

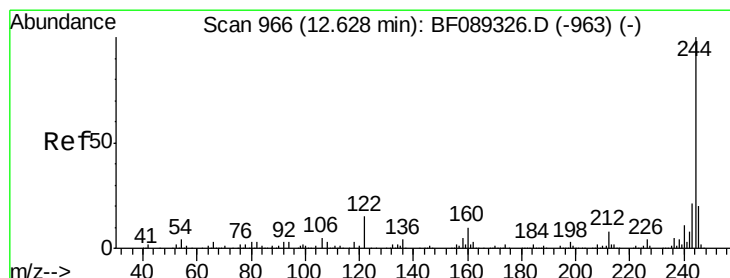
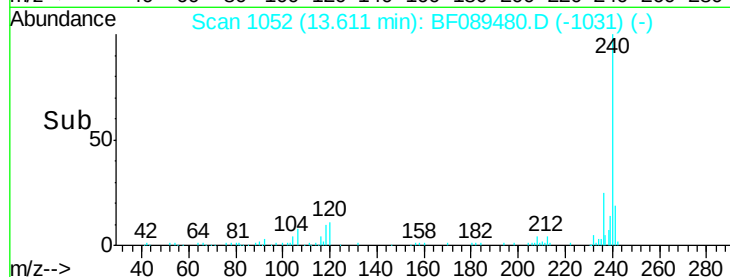
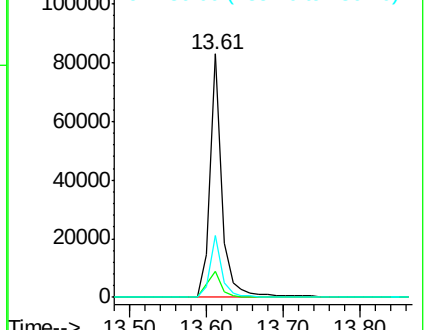
236 25.2 20.6 30.8



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: 12.82 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.06 min

Lab File: BF089480.D

Acq: 31 Jul 2016 19:48

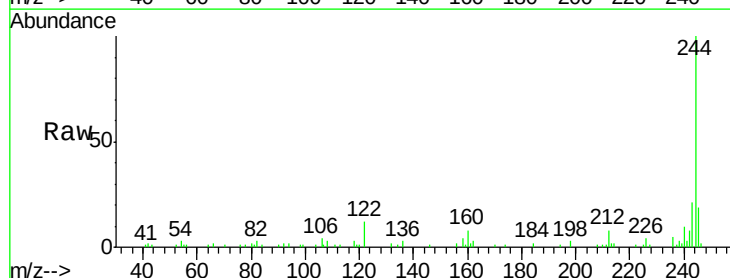
Tgt Ion:244 Resp: 48955

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

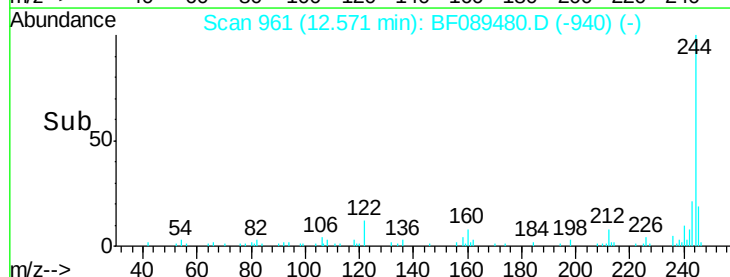
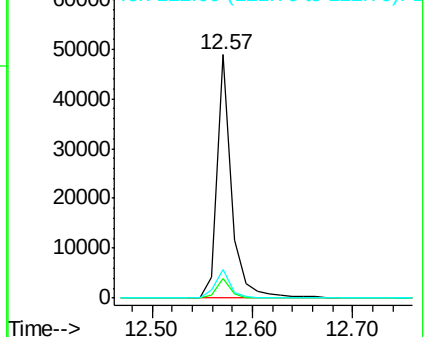
122 11.8 11.4 17.0

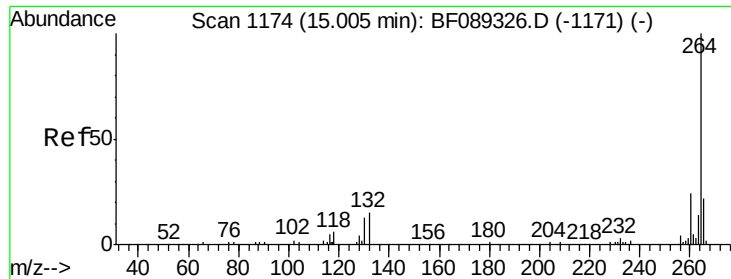


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

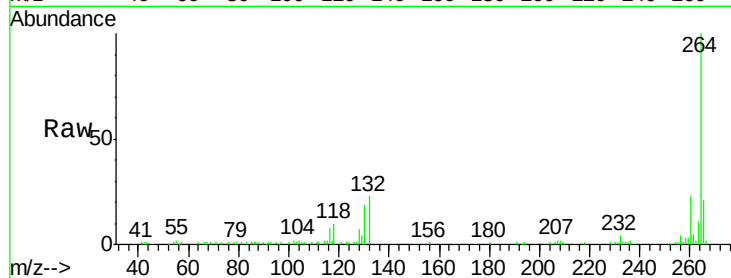




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.94 min Scan# 1168
 Delta R.T. -0.07 min
 Lab File: BF089480.D
 Acq: 31 Jul 2016 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 89326
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 21.4 17.5 26.3



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

