

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060116\
 Data File : BF087639.D
 Acq On : 2 Jun 2016 3:46
 Operator : UM/SJ
 Sample : H3349-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Quant Time: Jun 02 07:05:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 02:13:57 2016
 Response via : Initial Calibration

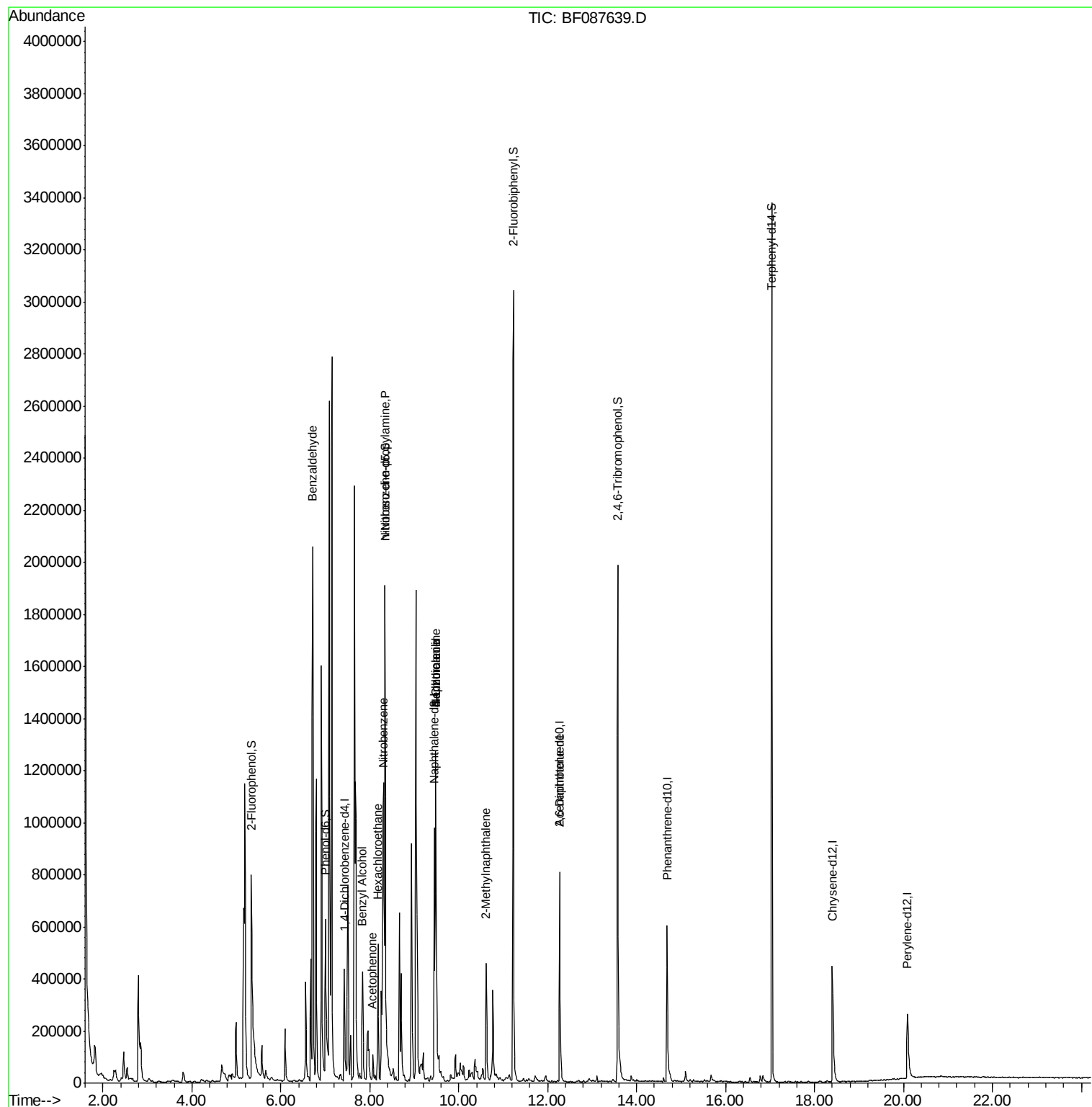
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	113660	20.00	ng	0.01
21) Naphthalene-d8	9.45	136	440642	20.00	ng	-0.01
38) Acenaphthene-d10	12.27	164	215757	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	404372	20.00	ng	0.00
75) Chrysene-d12	18.40	240	303425	20.00	ng	0.00
86) Perylene-d12	20.09	264	212658	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	519223	80.27	ng	0.02
7) Phenol-d6	7.00	99	461485	52.80	ng	0.00
23) Nitrobenzene-d5	8.34	82	909676	104.04	ng	-0.02
41) 2,4,6-Tribromophenol	13.58	330	331497	159.88	ng	-0.01
44) 2-Fluorobiphenyl	11.23	172	1529562	99.94	ng	0.00
78) Terphenyl-d14	17.04	244	1372062	96.14	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.72	77	173908	36.04	ng	# 1
15) Benzyl Alcohol	7.84	79	14449	2.27	ng	# 1
18) Hexachloroethane	8.18	117	21069	6.25	ng	# 1
19) n-Nitroso-di-n-propylamine	8.34	70	126300	19.38	ng	# 74
22) Acetophenone	8.07	105	59935	5.69	ng	# 52
24) Nitrobenzene	8.30	77	91506	9.91	ng	# 19
31) Naphthalene	9.48	128	857102	38.82	ng	# 99
32) Benzoic acid	9.48	122	2175	6.39	ng	# 1
33) 4-Chloroaniline	9.48	127	118271	14.54	ng	# 35
37) 2-Methylnaphthalene	10.62	142	154955	11.23	ng	# 97
50) 2,6-Dinitrotoluene	12.27	165	26354	7.57	ng	# 22

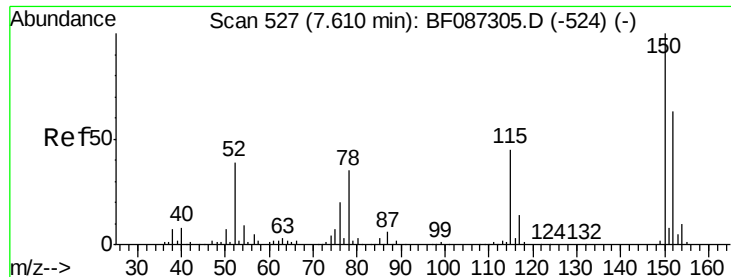
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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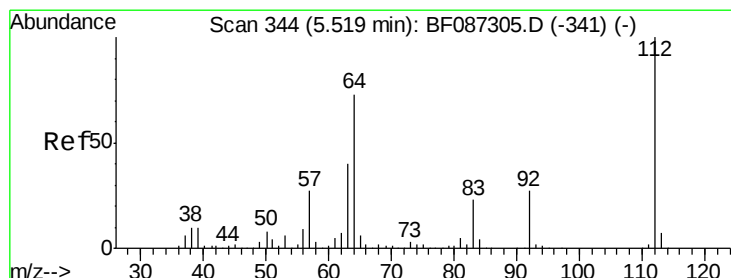
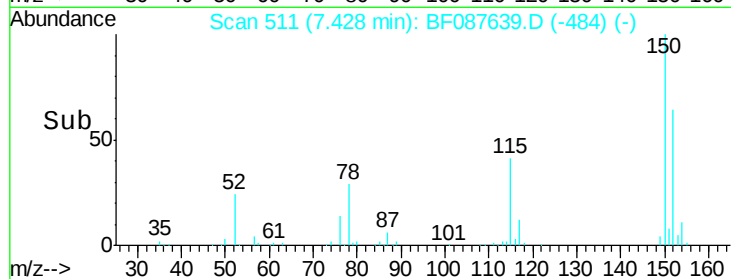
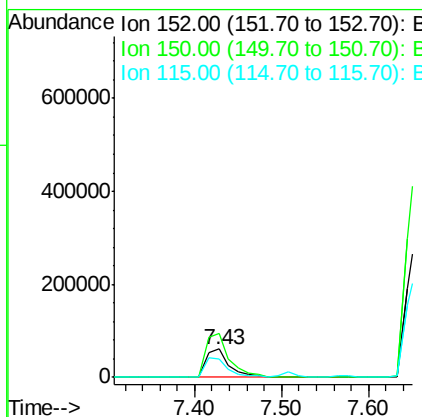
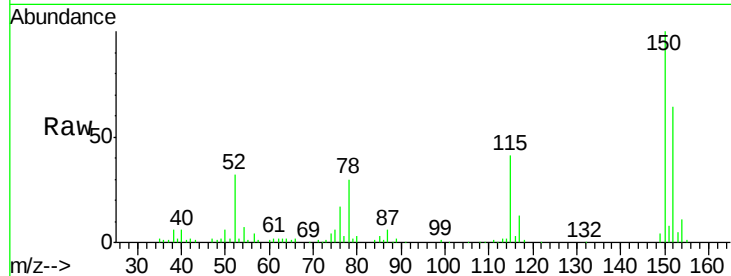




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.43 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

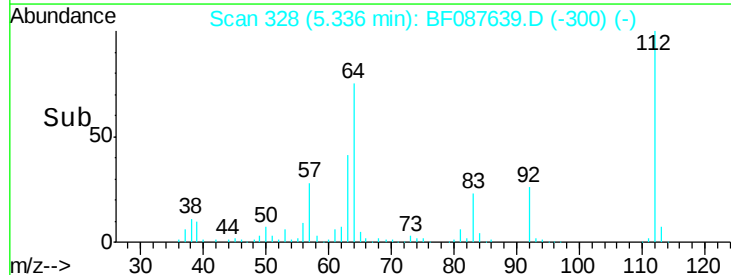
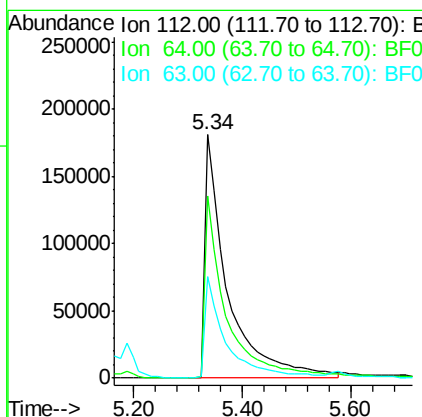
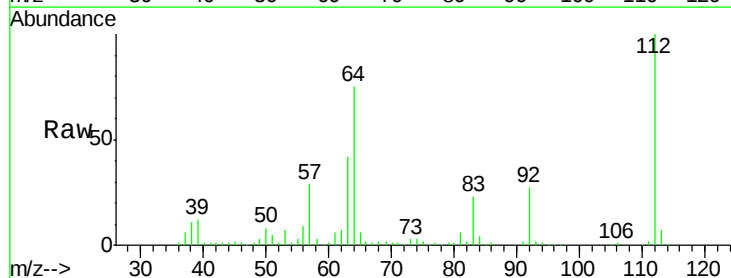
Instrument :
 BNA_F
 ClientSampleId :
 W-50

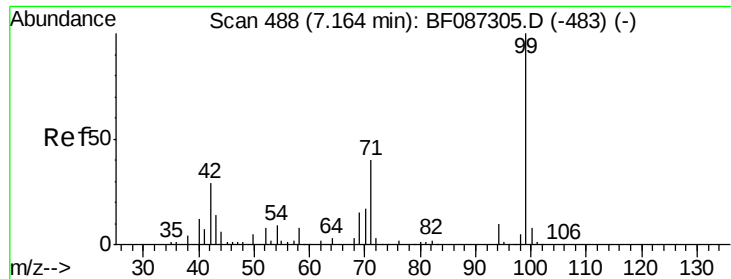
Tgt Ion:152 Resp: 113660
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.8 188.6
 115 64.8 51.5 77.3



#5
 2-Fluorophenol
 Concen: 80.27 ng
 RT: 5.34 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

Tgt Ion:112 Resp: 519223
 Ion Ratio Lower Upper
 112 100
 64 75.0 52.1 78.1
 63 41.9 25.7 38.5#





#7

Phenol-d6

Concen: 52.80 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

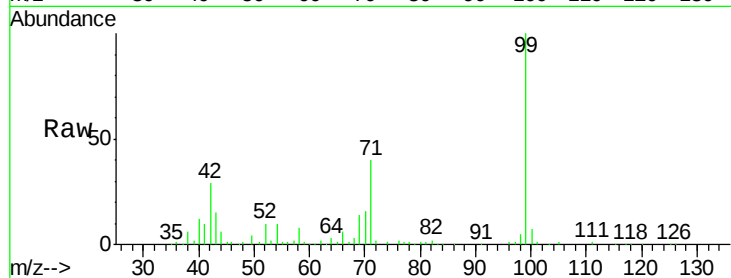
Tgt Ion: 99 Resp: 461485

Ion Ratio Lower Upper

99 100

42 28.7 13.6 20.4#

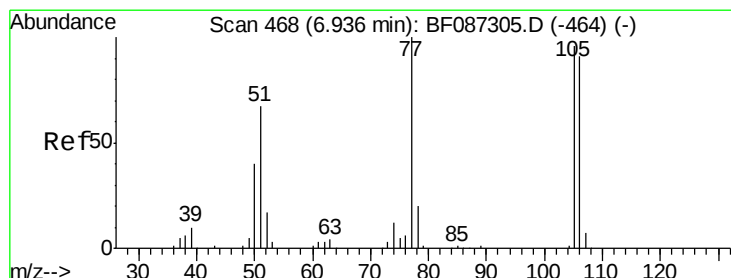
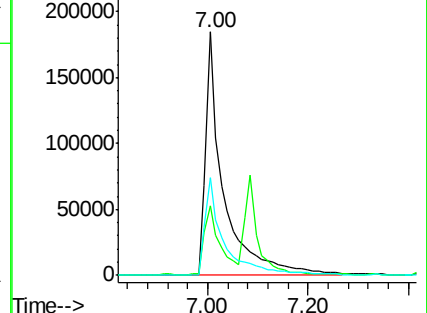
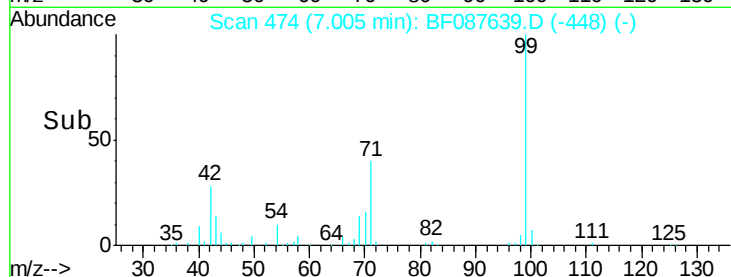
71 40.0 24.6 36.8#



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



#9

Benzaldehyde

Concen: 36.04 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

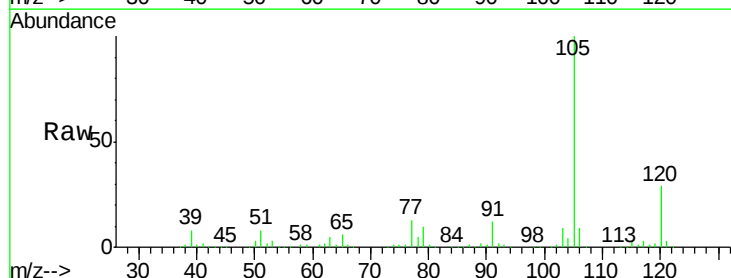
Tgt Ion: 77 Resp: 173908

Ion Ratio Lower Upper

77 100

105 778.4 72.7 112.7#

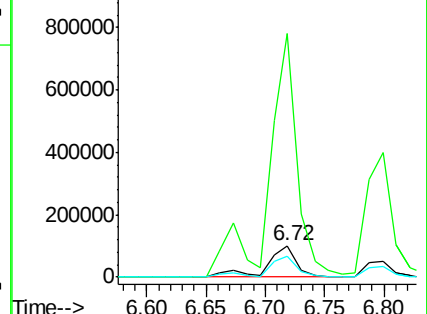
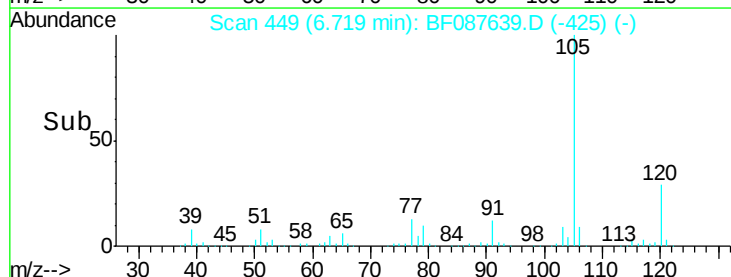
106 67.6 70.8 110.8#

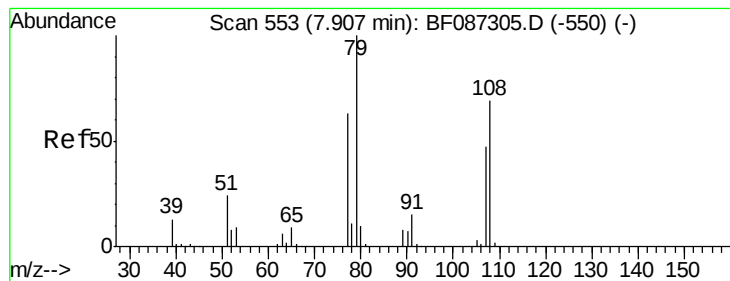


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.10 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

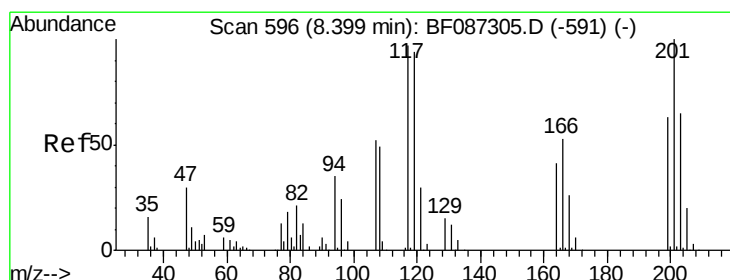
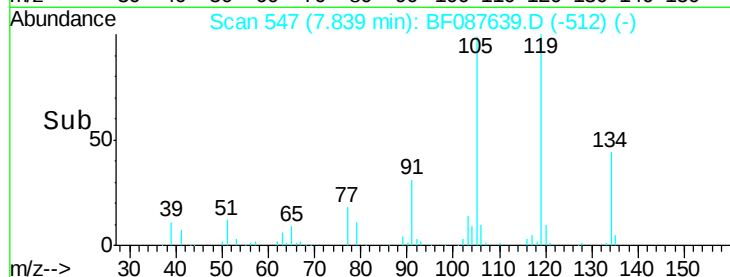
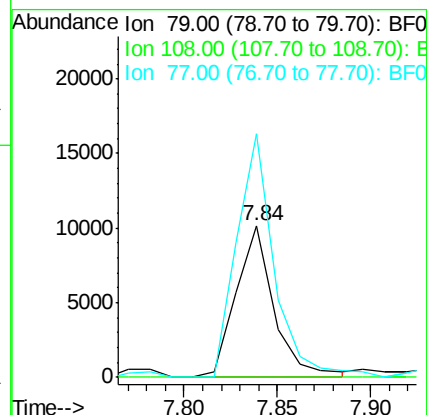
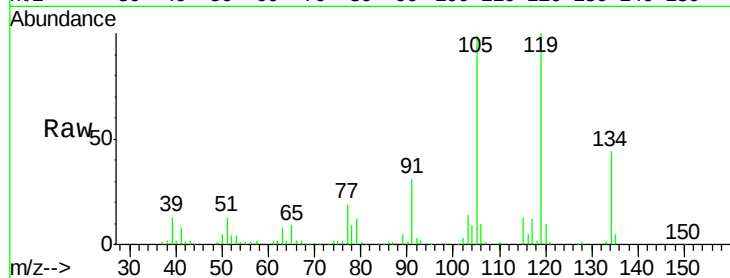
Tgt Ion: 79 Resp: 14449

Ion Ratio Lower Upper

79 100

108 0.0 68.4 102.6#

77 160.4 50.6 76.0#



#18

Hexachloroethane

Concen: 6.25 ng

RT: 8.18 min Scan# 577

Delta R.T. -0.01 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

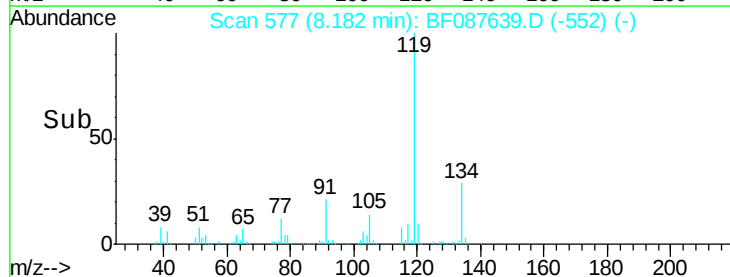
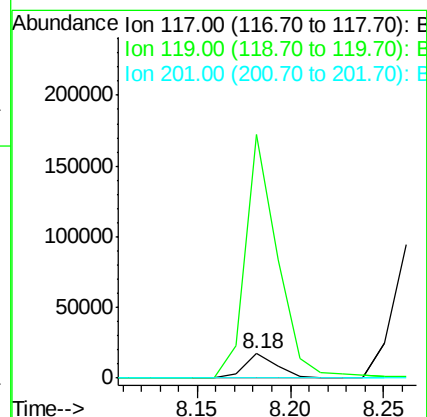
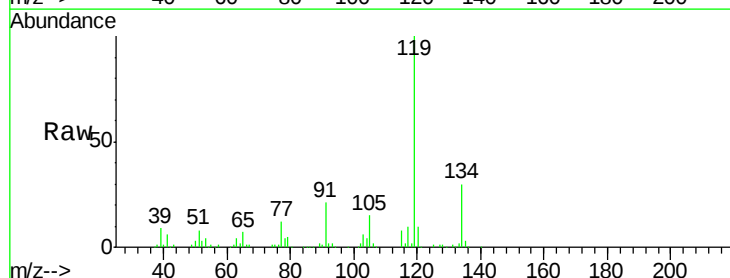
Tgt Ion: 117 Resp: 21069

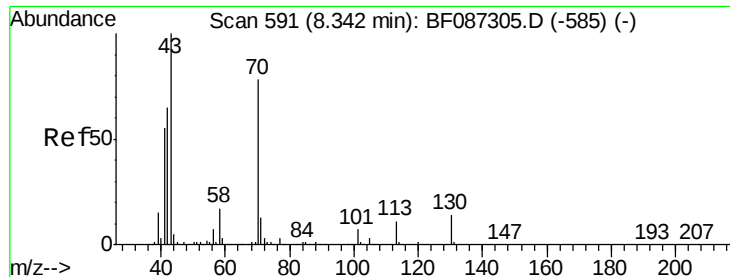
Ion Ratio Lower Upper

117 100

119 995.7 76.5 114.7#

201 0.0 63.0 94.6#

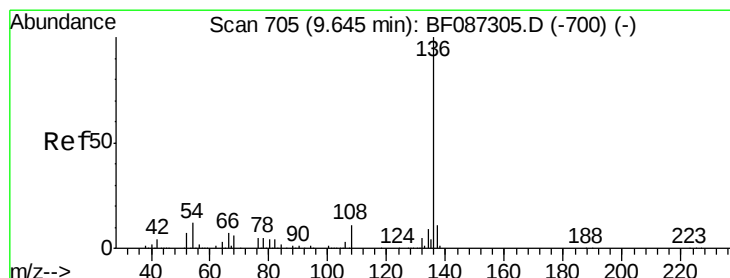
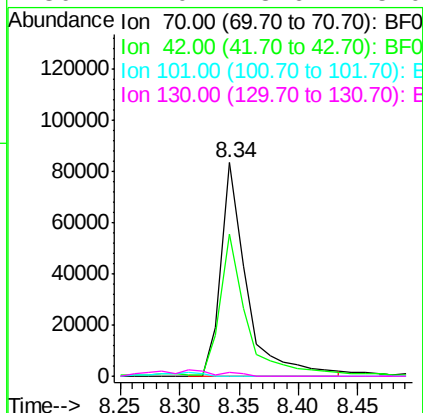
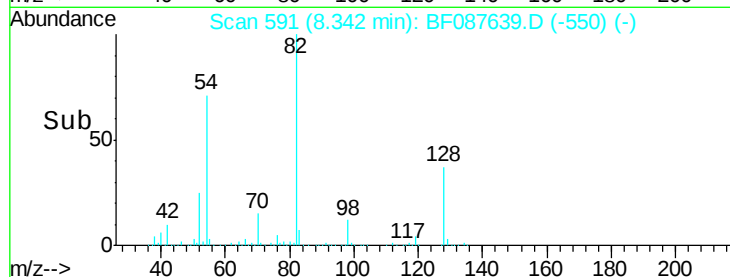
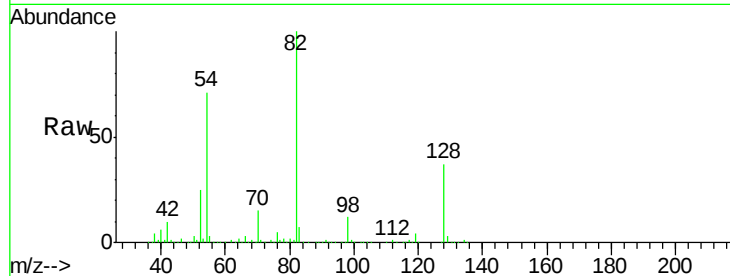




#19
n-Nitroso-di-n-propylamine
Concen: 19.38 ng
RT: 8.34 min Scan# 591
Delta R.T. 0.17 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

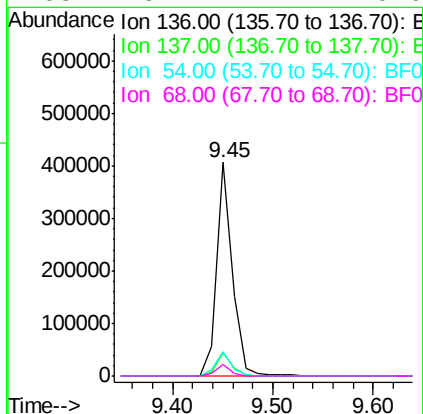
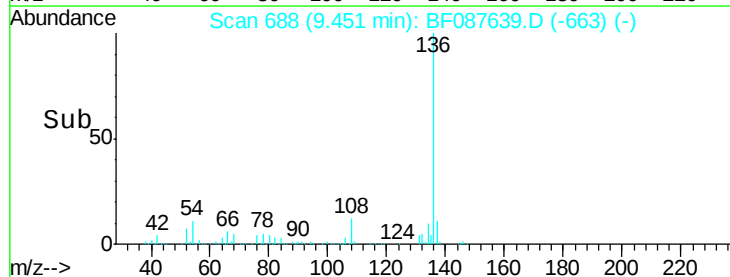
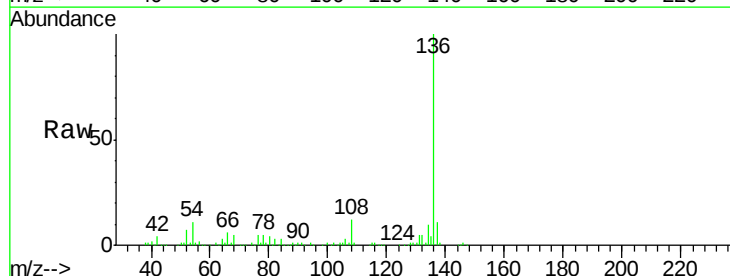
Instrument :
BNA_F
ClientSampleId :
W-50

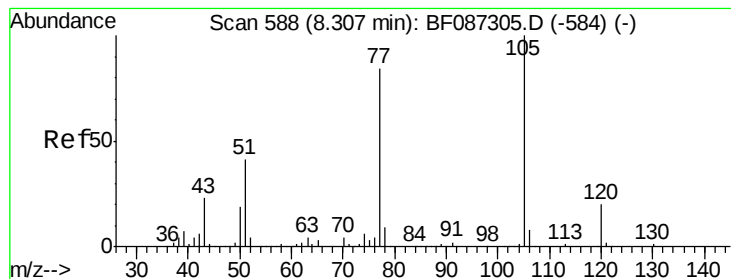
Tgt Ion: 70 Resp: 126300
Ion Ratio Lower Upper
70 100
42 66.7 43.1 64.7#
101 0.0 8.1 12.1#
130 2.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

Tgt Ion: 136 Resp: 440642
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.4 5.0 7.4#
68 5.4 4.4 6.6





#22

Acetophenone

Concen: 5.69 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.06 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

Tgt Ion: 105 Resp: 59935

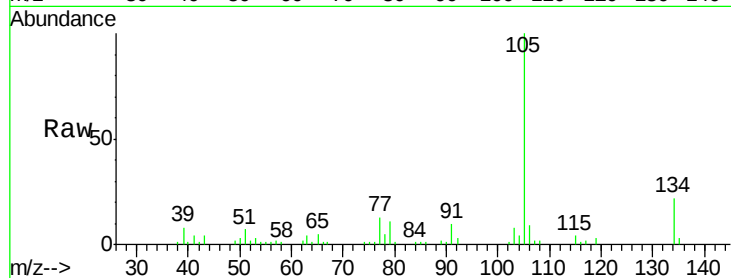
Ion Ratio Lower Upper

105 100

71 0.0 4.8 7.2#

51 7.3 32.6 49.0#

120 0.0 16.5 24.7#

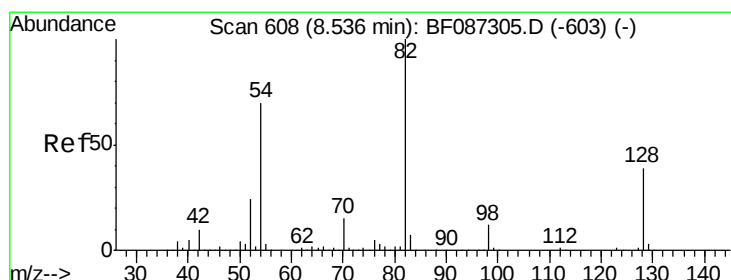
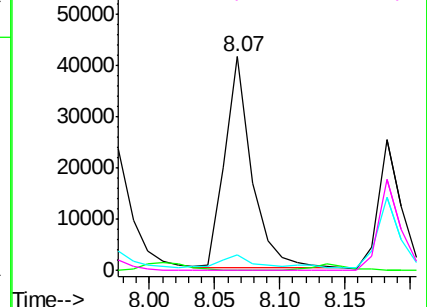
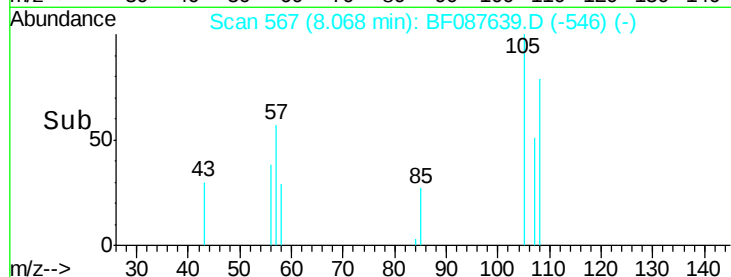


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 104.04 ng

RT: 8.34 min Scan# 591

Delta R.T. -0.02 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

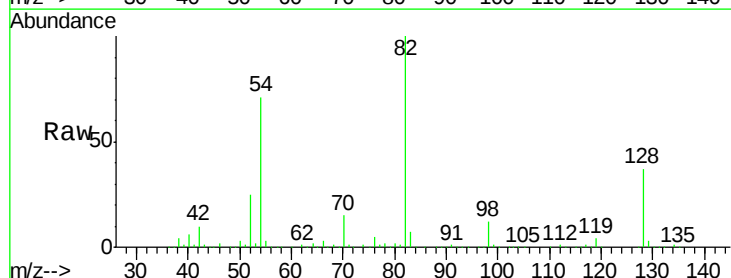
Tgt Ion: 82 Resp: 909676

Ion Ratio Lower Upper

82 100

128 37.1 40.6 61.0#

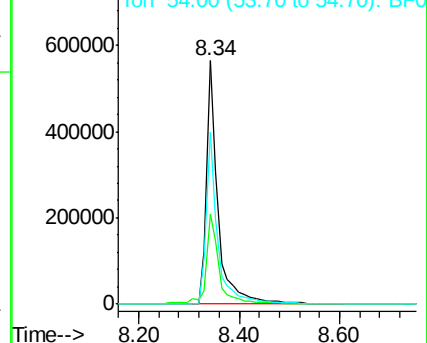
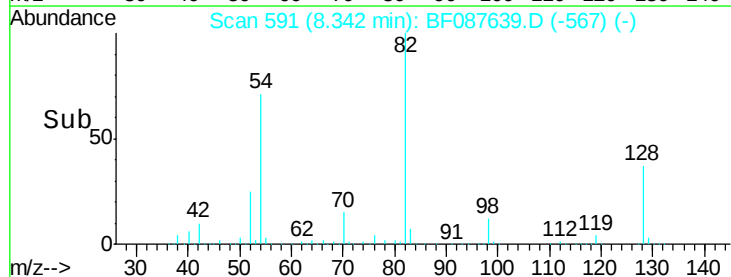
54 70.7 38.1 57.1#

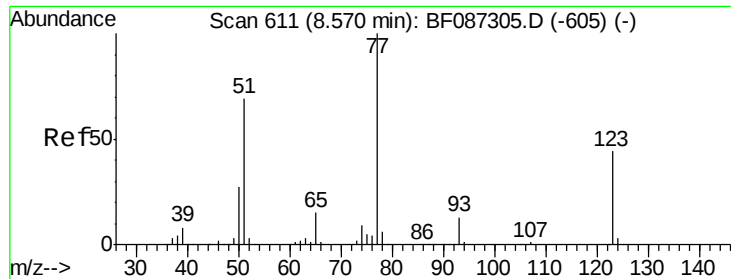


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 9.91 ng

RT: 8.30 min Scan# 587

Delta R.T. -0.09 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

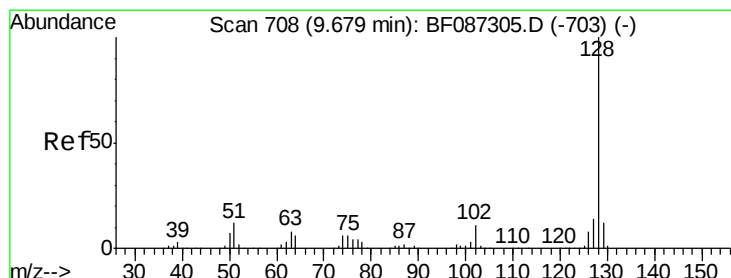
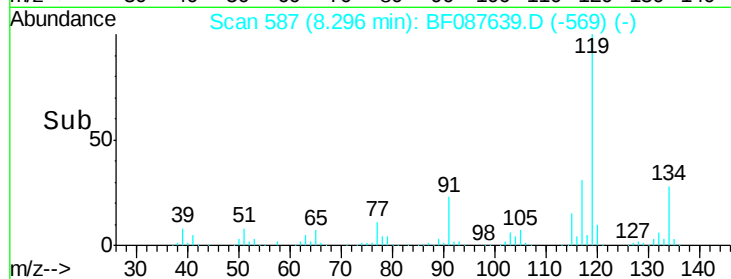
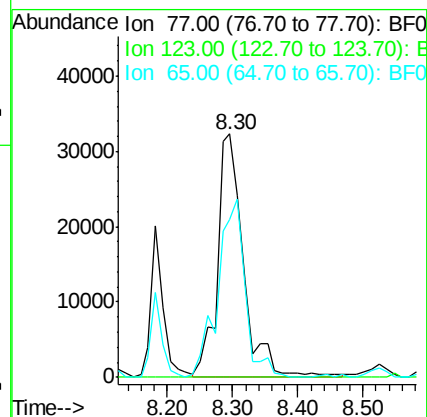
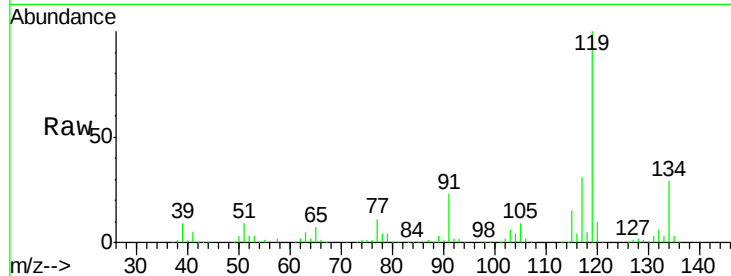
Tgt Ion: 77 Resp: 91506

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

65 65.1 10.8 16.2#



#31

Naphthalene

Concen: 38.82 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

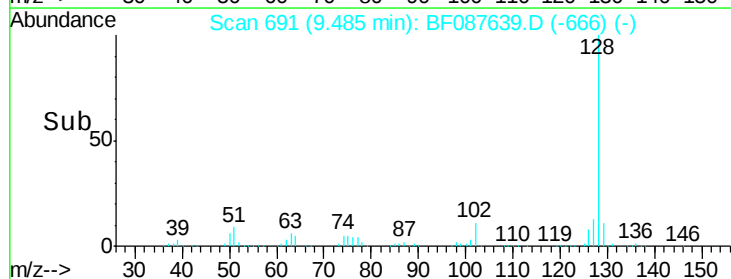
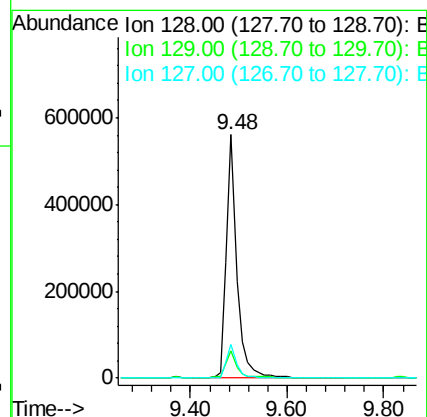
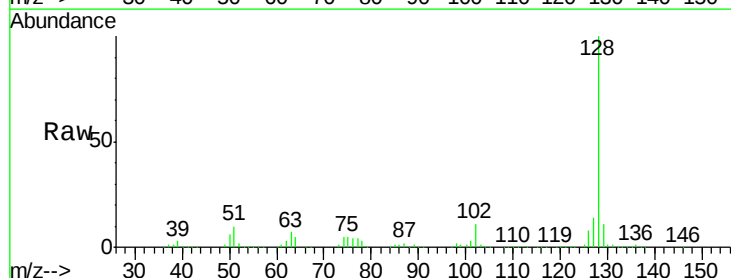
Tgt Ion: 128 Resp: 857102

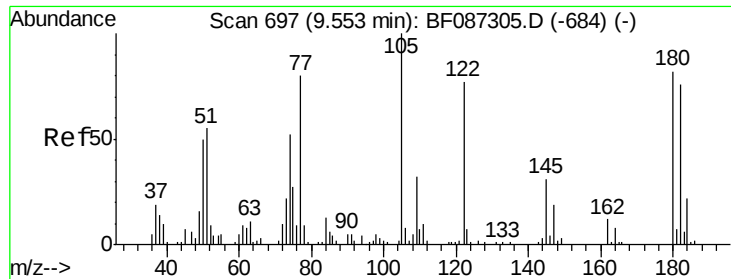
Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.6 10.8 16.2

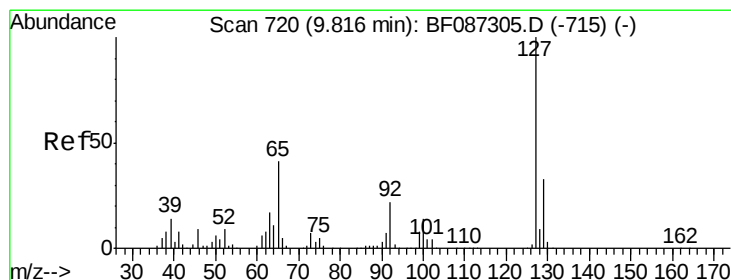
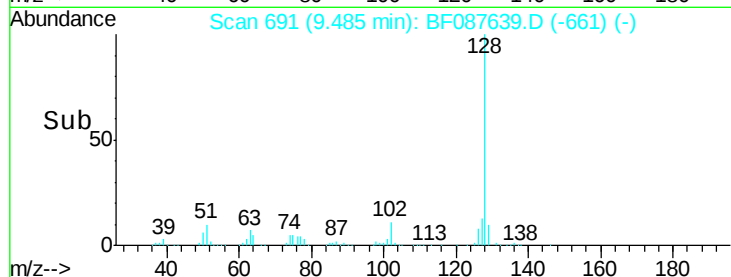
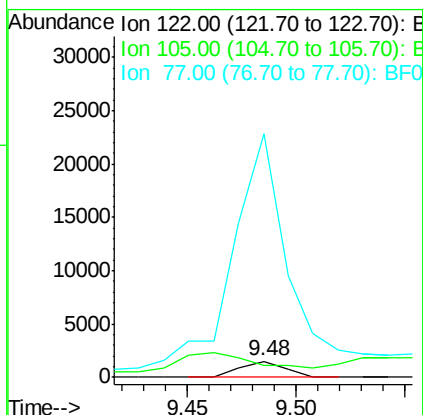
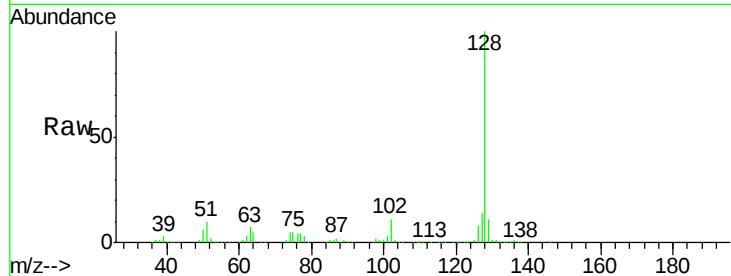




#32
Benzoic acid
Concen: 6.39 ng
RT: 9.48 min Scan# 691
Delta R.T. 0.05 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

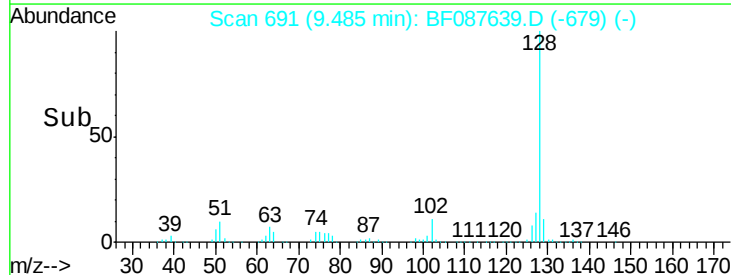
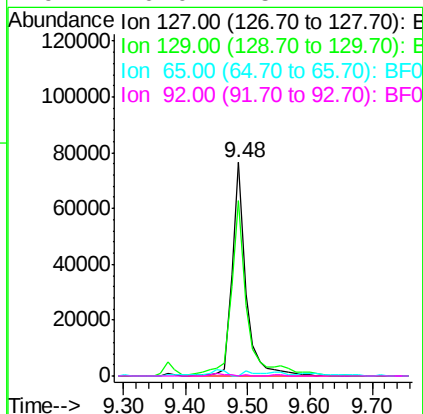
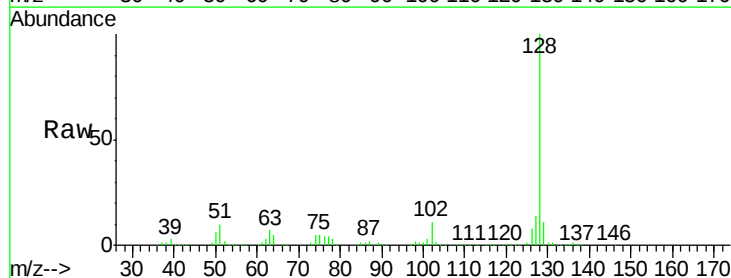
Instrument :
BNA_F
ClientSampleId :
W-50

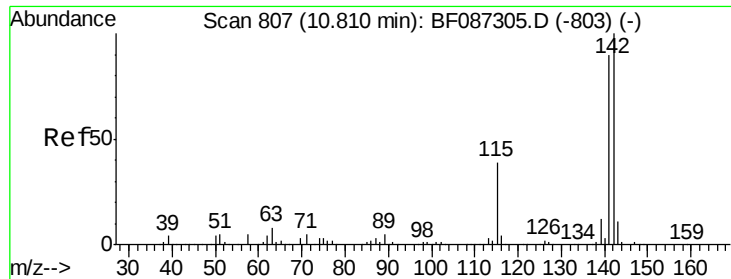
Tgt Ion:122 Resp: 2175
Ion Ratio Lower Upper
122 100
105 72.6 92.6 132.6#
77 1499.1 60.0 100.0#



#33
4-Chloroaniline
Concen: 14.54 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.16 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

Tgt Ion:127 Resp: 118271
Ion Ratio Lower Upper
127 100
129 82.2 26.2 39.4#
65 0.0 23.0 34.4#
92 0.0 15.1 22.7#

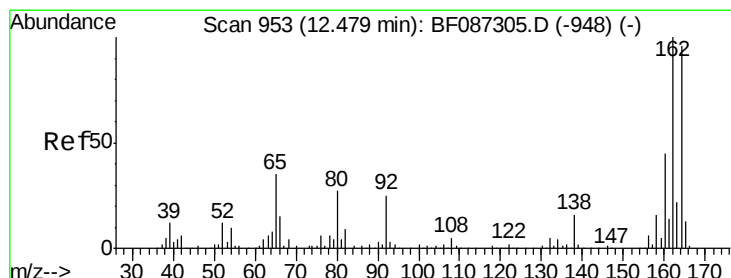
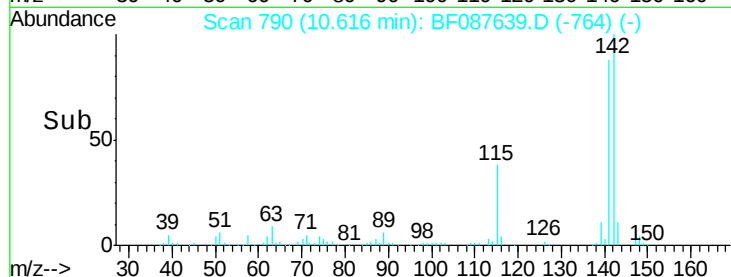
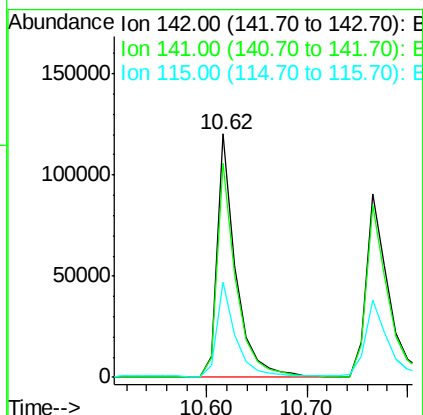
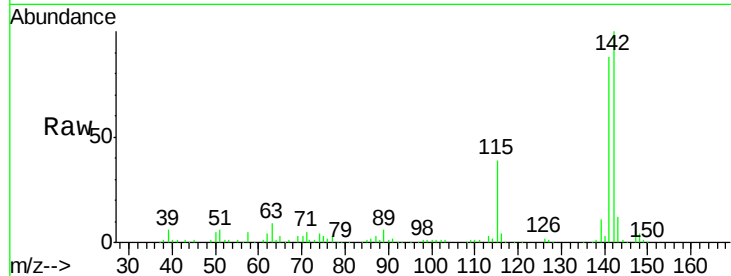




#37
2-Methylnaphthalene
Concen: 11.23 ng
RT: 10.62 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

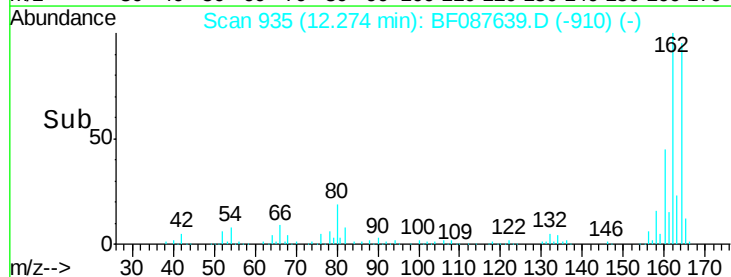
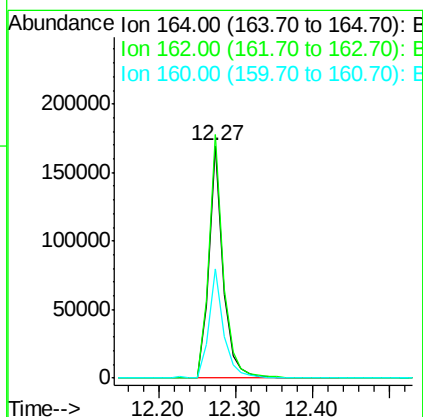
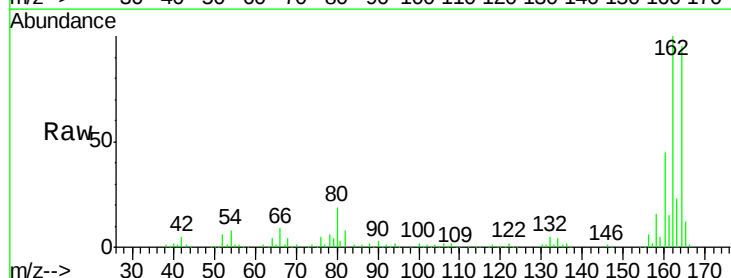
Instrument :
BNA_F
ClientSampleId :
W-50

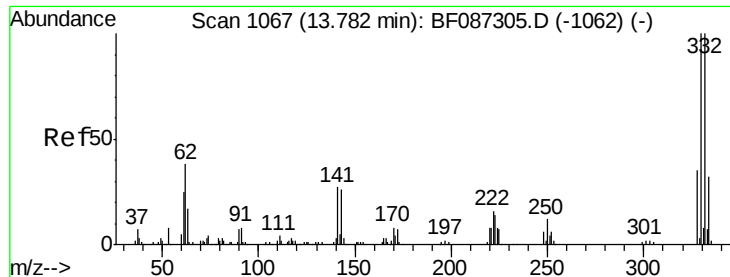
Tgt Ion:142 Resp: 154955
Ion Ratio Lower Upper
142 100
141 87.9 71.0 106.6
115 39.0 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF087639.D
Acq: 2 Jun 2016 3:46

Tgt Ion:164 Resp: 215757
Ion Ratio Lower Upper
164 100
162 104.9 82.8 124.2
160 47.1 36.9 55.3

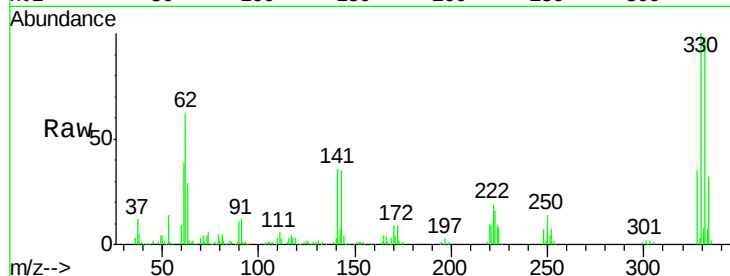




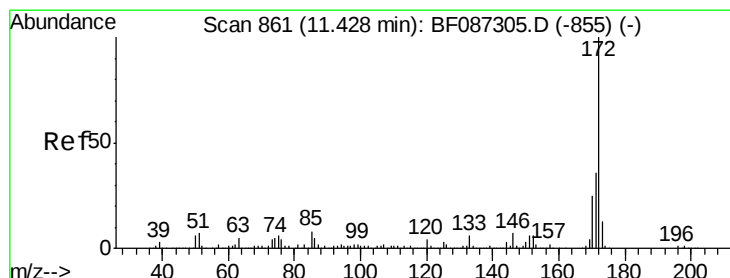
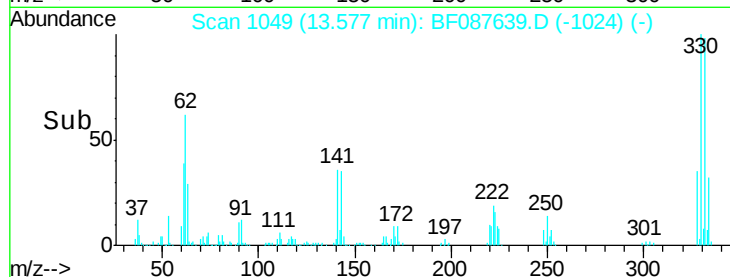
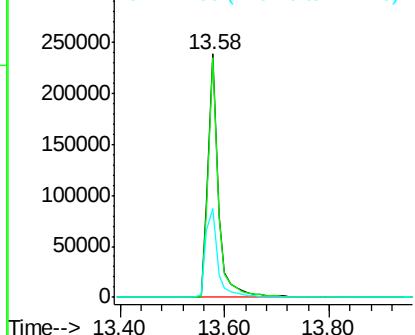
#41
 2,4,6-Tribromophenol
 Concen: 159.88 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Tgt Ion:330 Resp: 331497
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 42.8 31.2 46.8

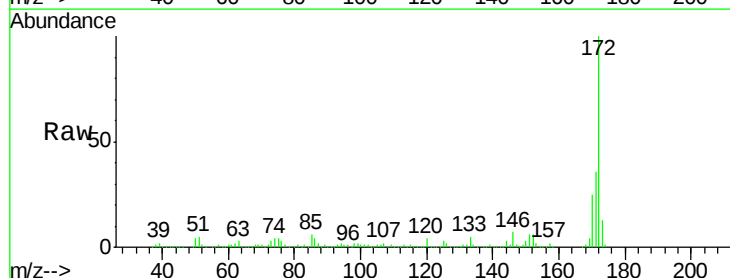


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

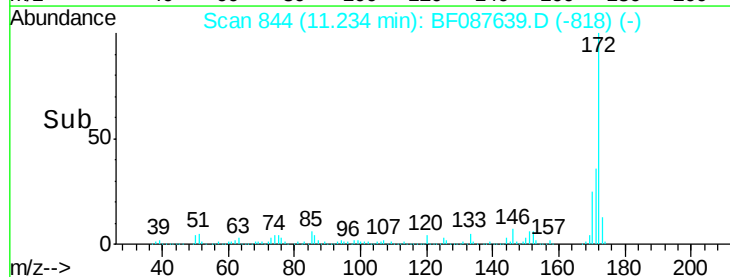
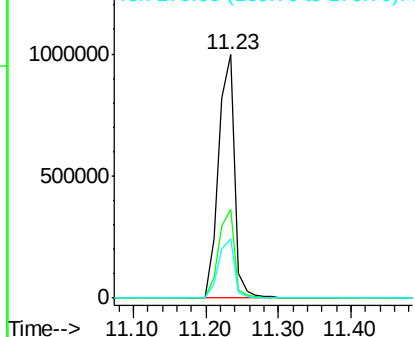


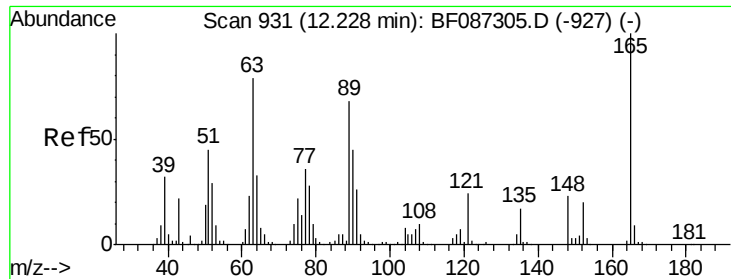
#44
 2-Fluorobiphenyl
 Concen: 99.94 ng
 RT: 11.23 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

Tgt Ion:172 Resp: 1529562
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.6 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

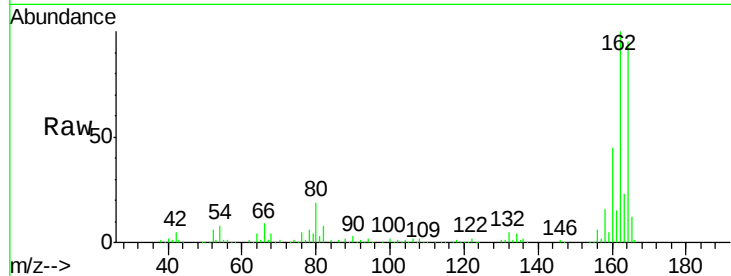




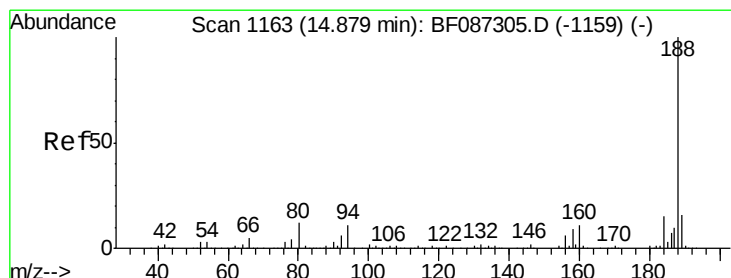
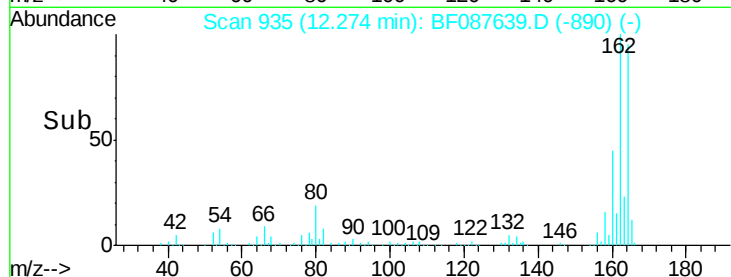
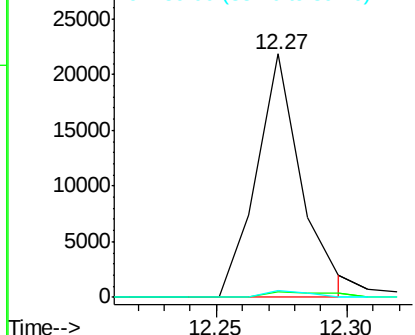
#50
 2,6-Dinitrotoluene
 Concen: 7.57 ng
 RT: 12.27 min Scan# 935
 Delta R.T. 0.22 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Tgt Ion:165 Resp: 26354
 Ion Ratio Lower Upper
 165 100
 63 2.5 51.8 77.8#
 89 2.8 50.7 76.1#

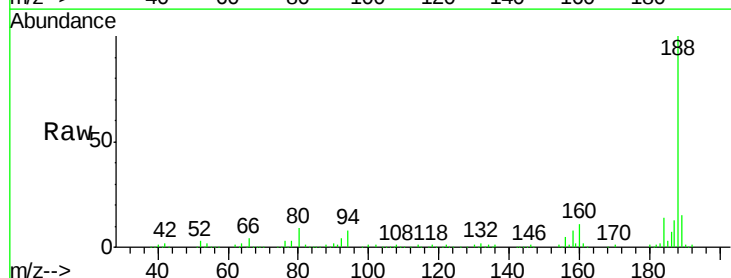


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

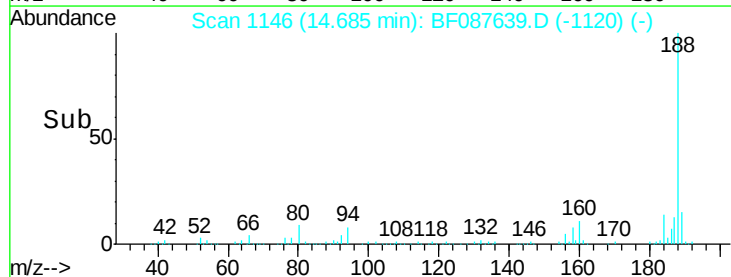
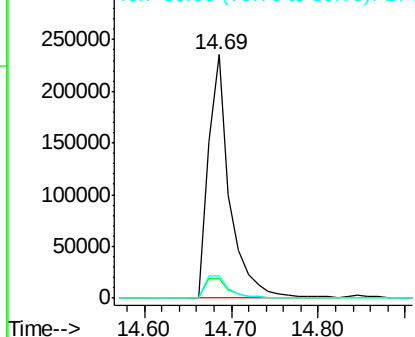


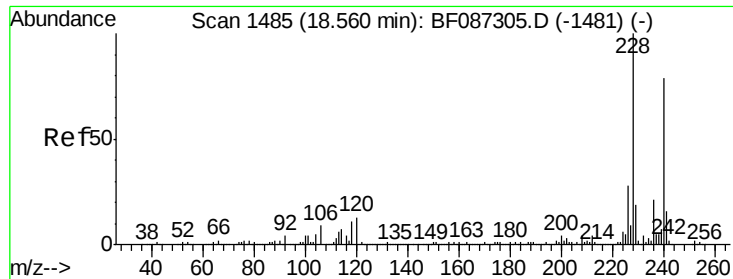
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: BF087639.D
 Acq: 2 Jun 2016 3:46

Tgt Ion:188 Resp: 404372
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.8 10.2
 80 8.9 7.1 10.7



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: 18.40 min Scan# 1471

Delta R.T. 0.00 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

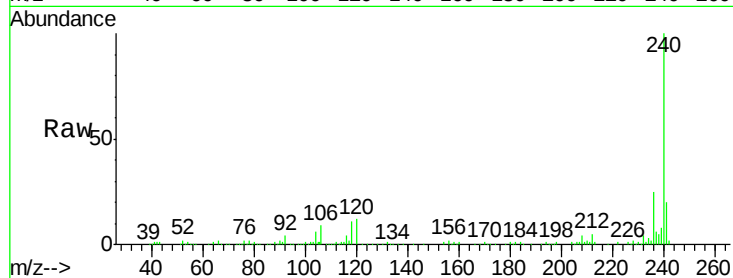
Tgt Ion:240 Resp: 303425

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

236 25.5 21.2 31.8



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

18.40

150000

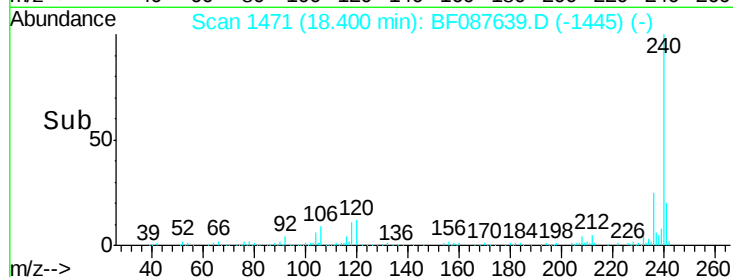
100000

50000

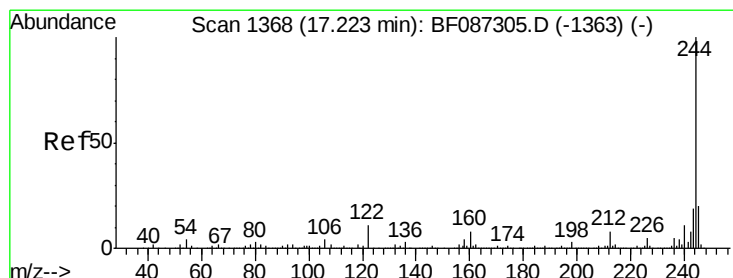
0

18.40

18.60



Time-->



#78

Terphenyl-d14

Concen: 96.14 ng

RT: 17.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

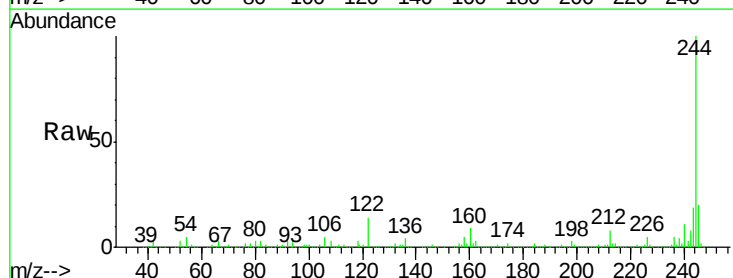
Tgt Ion:244 Resp: 1372062

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

122 13.8 12.0 18.0



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

17.04

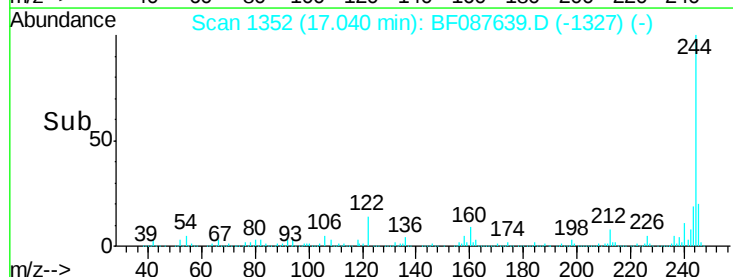
1000000

500000

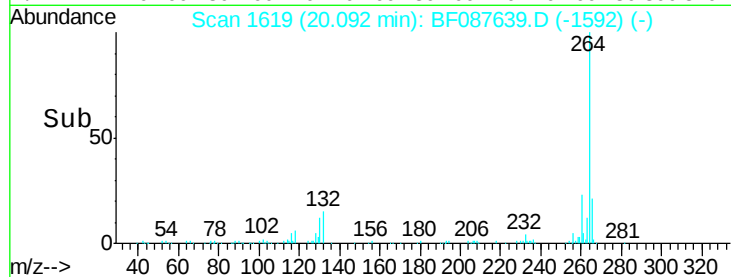
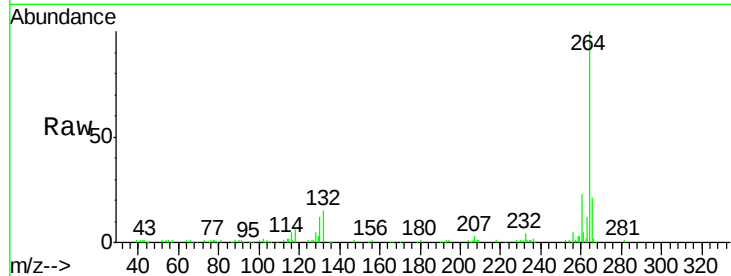
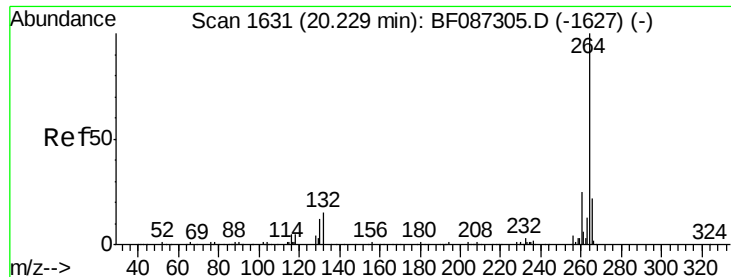
0

17.04

17.20



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.09 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BF087639.D

Acq: 2 Jun 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W-50

Tgt Ion:264 Resp: 212658

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 20.7 17.3 25.9

