

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081716\
 Data File : BF089773.D
 Acq On : 17 Aug 2016 19:53
 Operator : UM/SJ
 Sample : H4383-02
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

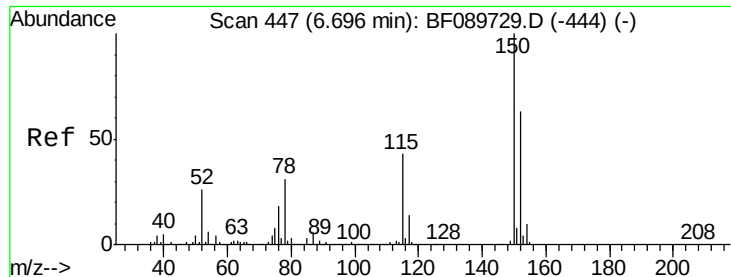
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-080416

Quant Time: Aug 18 08:30:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.856	152	1469732	20.00	ng	0.16
21) Naphthalene-d8	8.182	136	121207	20.00	ng	0.19
38) Acenaphthene-d10	9.736	164	1457369	20.00	ng	0.00
63) Phenanthrene-d10	11.211	188	2538298	20.00	ng	0.00
75) Chrysene-d12	13.851	240	2181967	20.00	ng	-0.05
86) Perylene-d12	15.291	264	2004576	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.279	112	2015135	22.88	ng	0.00
7) Phenol-d6	6.330	99	2559542	22.84	ng	0.00
23) Nitrobenzene-d5	7.267	82	3178368	1601.21	ng	0.00
41) 2,4,6-Tribromophenol	10.525	330	1586098	112.50	ng	0.00
44) 2-Fluorobiphenyl	9.073	172	6311260	69.49	ng	0.00
78) Terphenyl-d14	12.811	244	5853663	80.15	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.484	117	198063	4.76	ng	# 1
19) n-Nitroso-di-n-propyla...	7.267	70	428614	5.84	ng	# 73
22) Acetophenone	7.244	105	237811	84.41	ng	# 25
24) Nitrobenzene	7.473	77	174790	78.28	ng	# 14
25) Isophorone	7.724	82	8387	2.11	ng	# 1
27) 2,4-Dimethylphenol	7.839	122	15904	7.99	ng	# 72
28) bis(2-Chloroethoxy)met...	7.862	93	6366	2.64	ng	# 96
31) Naphthalene	8.376	128	50814	9.34	ng	# 1
32) Benzoic acid	7.942	122	40043	25.86	ng	# 35
33) 4-Chloroaniline	8.273	127	14719	5.85	ng	# 1
35) Caprolactam	8.696	113	14328	28.04	ng	# 37
36) 4-Chloro-3-methylphenol	8.753	107	5648	3.13	ng	# 26
37) 2-Methylnaphthalene	8.799	142	687007	185.52	ng	# 94
49) Dimethylphthalate	9.462	163	305816	2.90	ng	# 99
66) 4-Bromophenyl-phenylether	10.525	248	96758	3.68	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.856 min Scan# 461

Delta R.T. 0.160 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

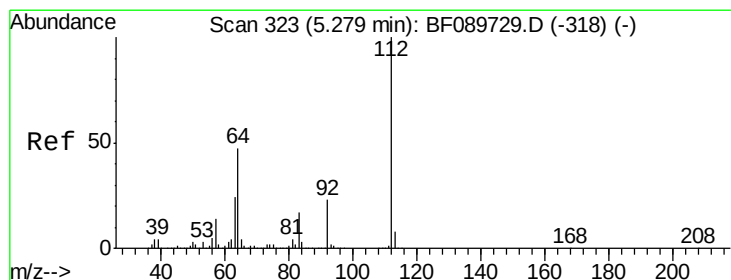
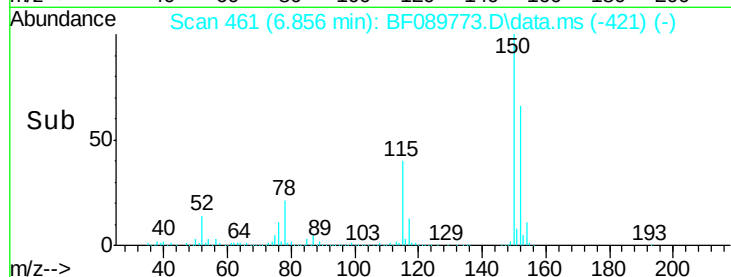
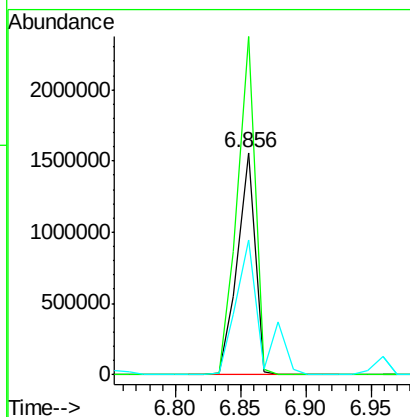
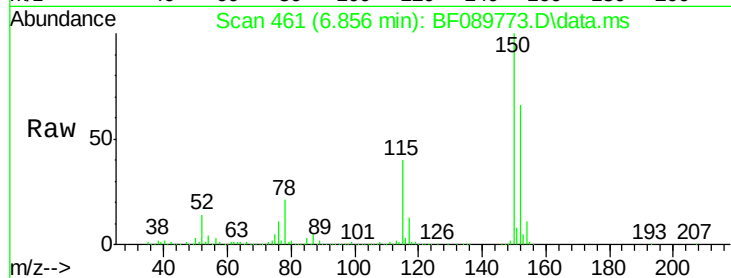
Tot Ion:152 Resp: 1469732

Ion Ratio Lower Upper

152 100

150 152.1 125.3 187.9

115 60.8 40.9 61.3



#5

2-Fluorophenol

Concen: 22.88 ng

RT: 5.279 min Scan# 323

Delta R.T. 0.001 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

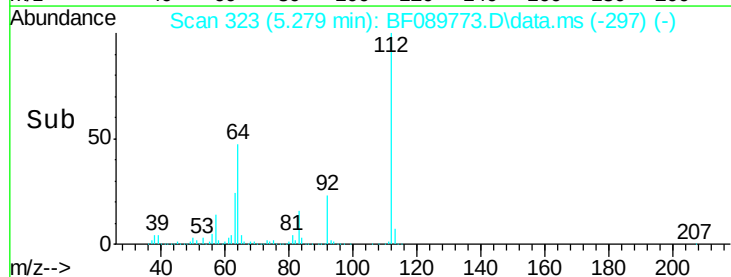
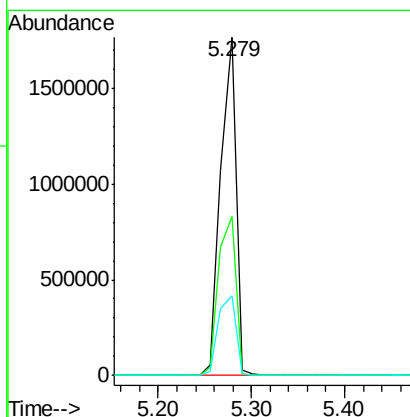
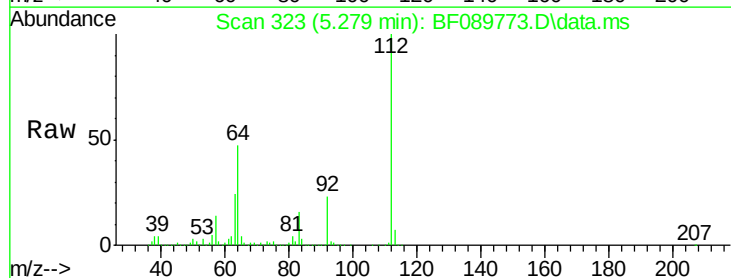
Tgt Ion:112 Resp: 2015135

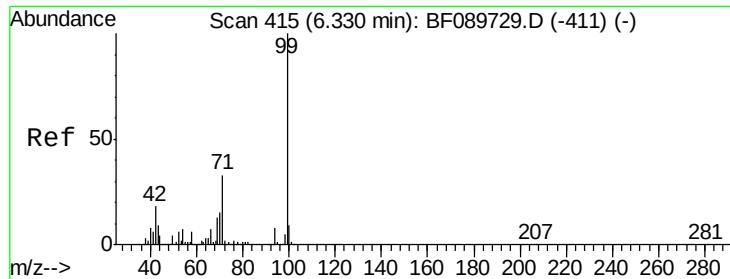
Ion Ratio Lower Upper

112 100

64 46.9 45.0 67.4

63 23.7 23.1 34.7





#7

Phenol-d6

Concen: 22.84 ng

RT: 6.330 min Scan# 41

Delta R.T. -0.000 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

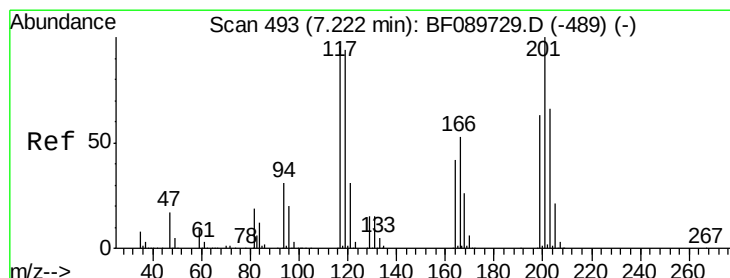
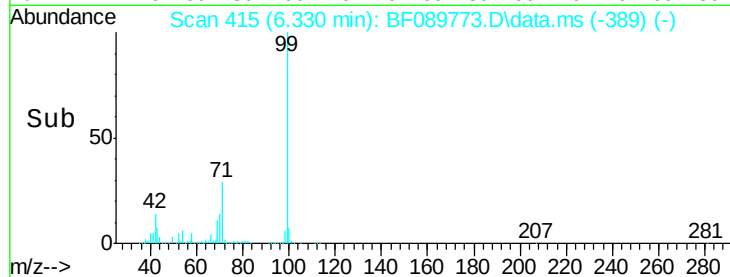
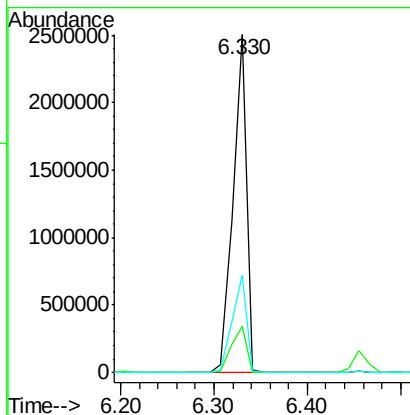
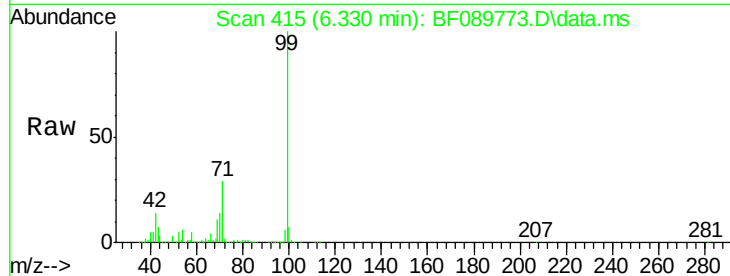
Tot Ion: 99 Resp: 2559542

Ion Ratio Lower Upper

99 100

42 13.6 12.2 18.4

71 28.8 23.8 35.8



#18

Hexachloroethane

Concen: 4.76 ng

RT: 7.484 min Scan# 516

Delta R.T. 0.263 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

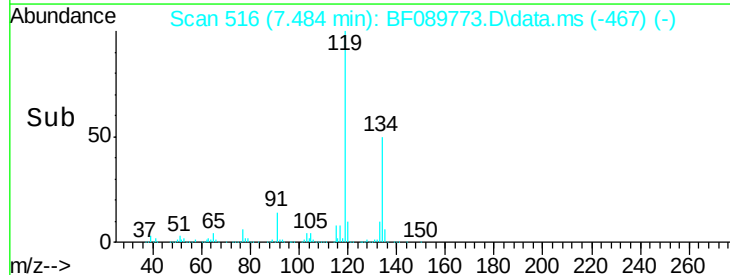
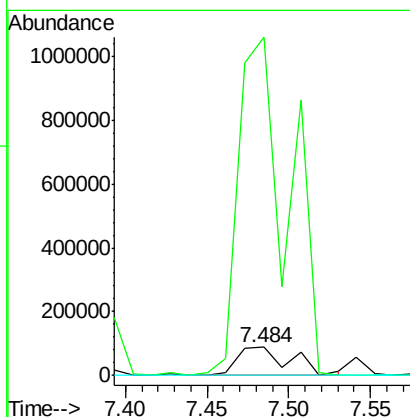
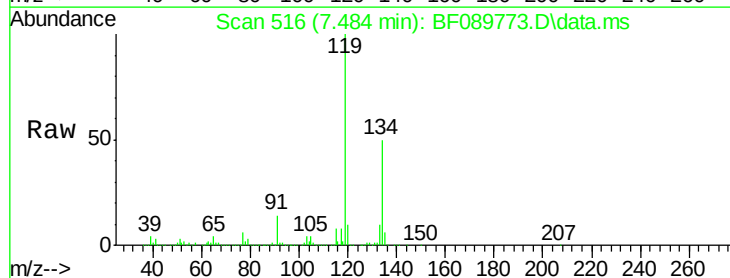
Tgt Ion: 117 Resp: 198063

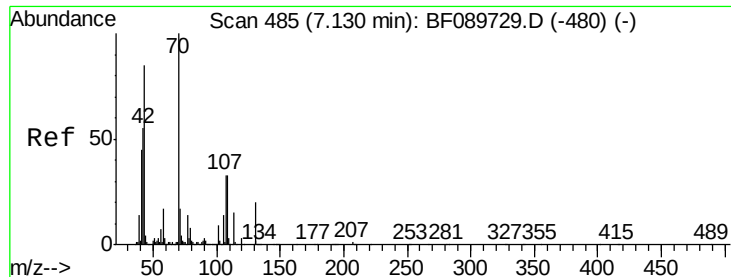
Ion Ratio Lower Upper

117 100

119 1211.5 77.1 115.7#

201 0.0 76.9 115.3#

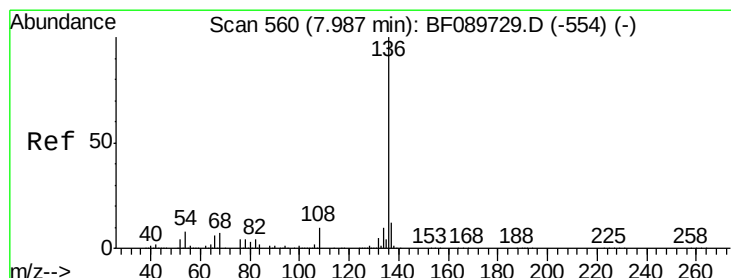
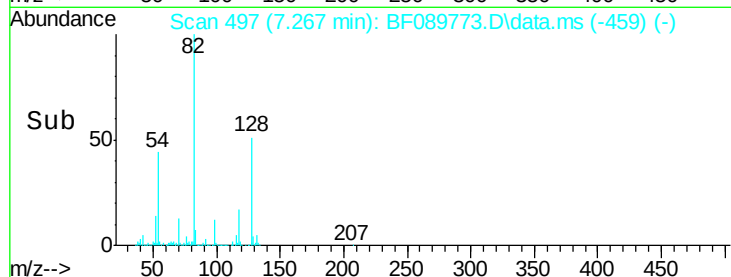
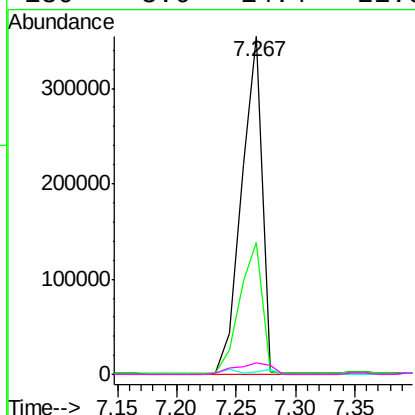
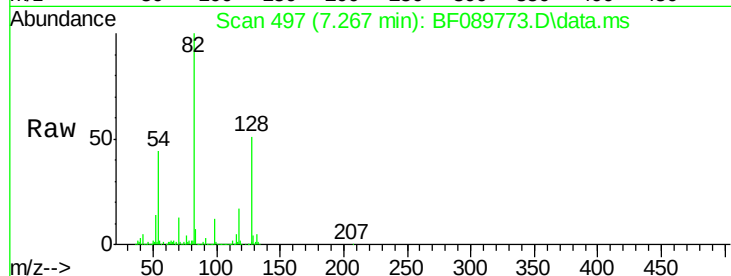




#19
n-Nitroso-di-n-propylamine
Concen: 5.84 ng
RT: 7.267 min Scan# 49
Delta R.T. 0.137 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

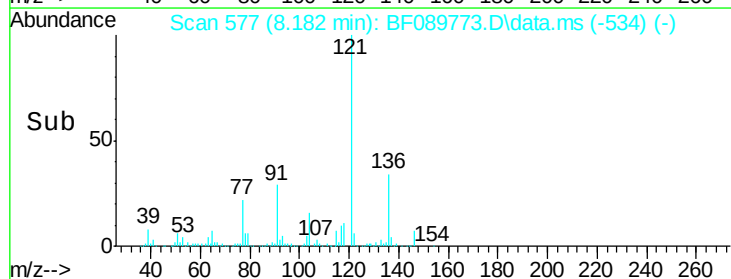
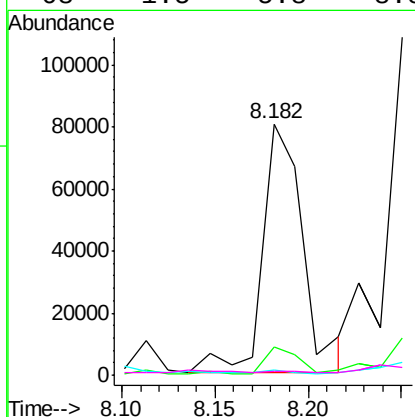
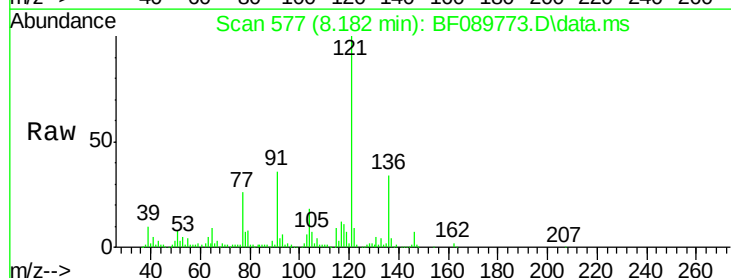
Instrument :
BNA_F
ClientSampleId :
MW-2-080416

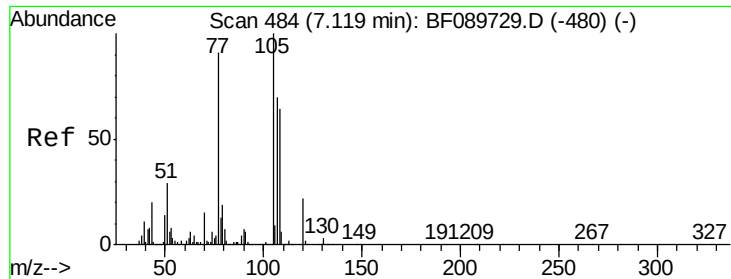
Tot Ion:	70	Resp:	428614
Ion Ratio	Lower	Upper	
70	100		
42	38.9	46.3	69.5#
101	0.7	7.0	10.6#
130	3.6	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.182 min Scan# 577
Delta R.T. 0.194 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

Tgt Ion:	136	Resp:	121207
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	2.0	7.2	10.8#
68	1.5	5.8	8.8#





#22

Acetophenone

Concen: 84.41 ng

RT: 7.244 min Scan# 49

Delta R.T. 0.126 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

Tot Ion:105 Resp: 237811

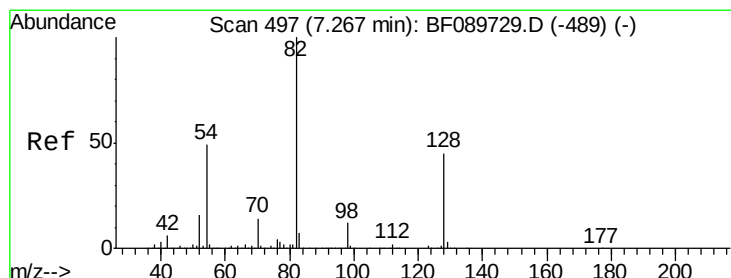
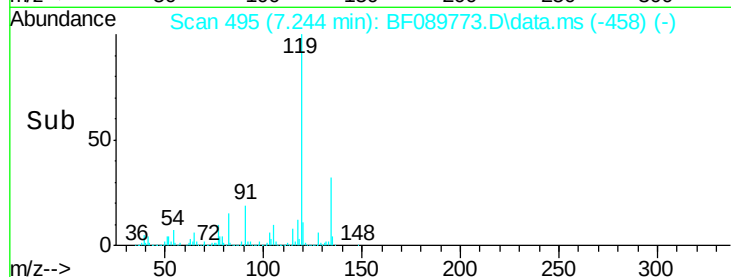
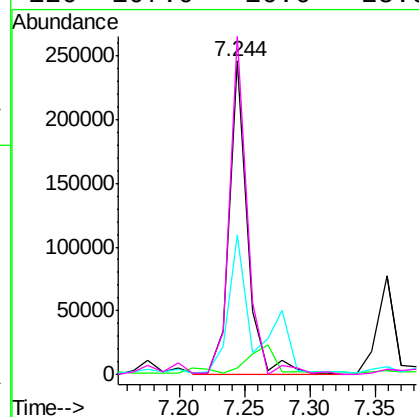
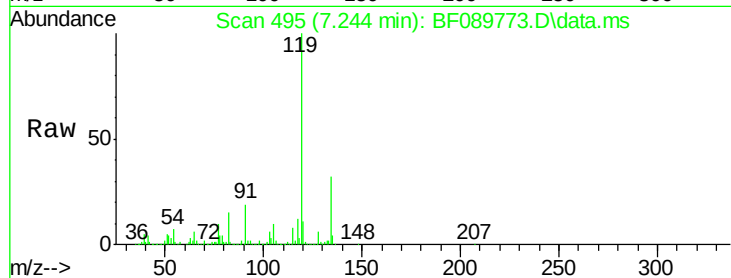
Ion Ratio Lower Upper

105 100

71 2.0 1.9 2.9

51 44.4 28.5 42.7#

120 107.9 16.6 25.0#



#23

Nitrobenzene-d5

Concen: 1601.21 ng

RT: 7.267 min Scan# 497

Delta R.T. -0.000 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

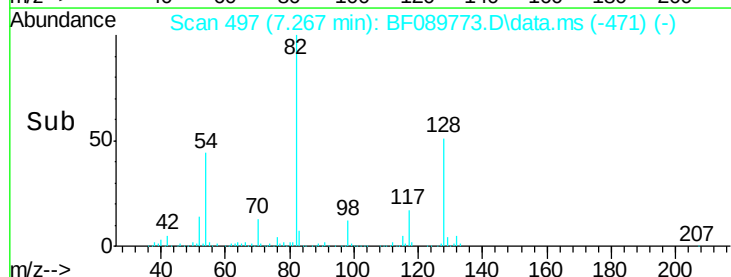
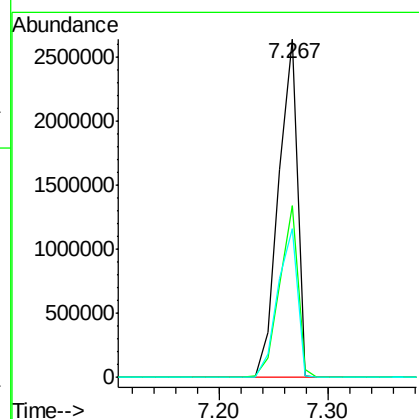
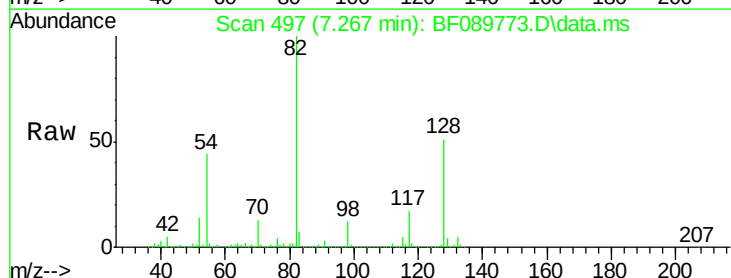
Tgt Ion: 82 Resp: 3178368

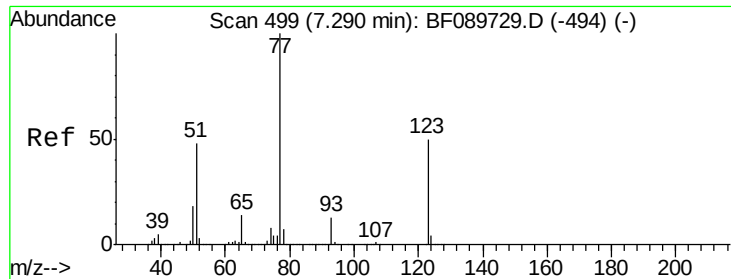
Ion Ratio Lower Upper

82 100

128 50.7 34.4 51.6

54 44.1 40.3 60.5





#24

Nitrobenzene

Concen: 78.28 ng

RT: 7.473 min Scan# 51

Delta R.T. 0.183 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

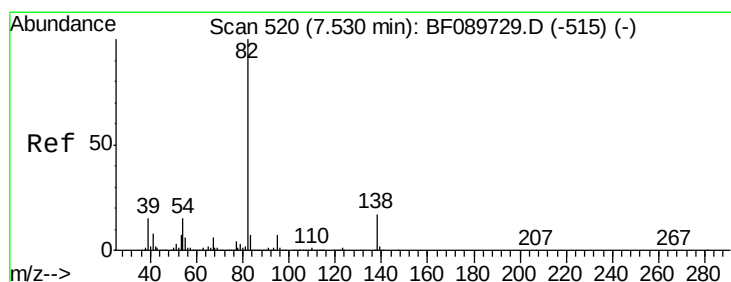
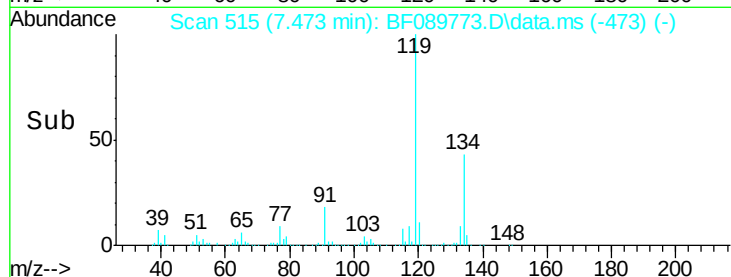
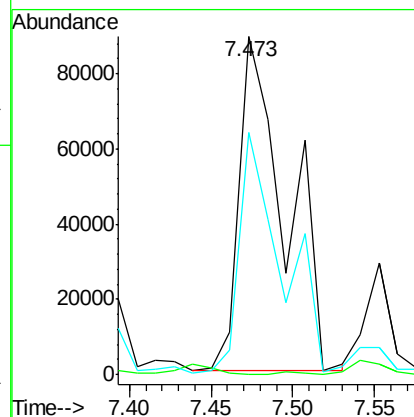
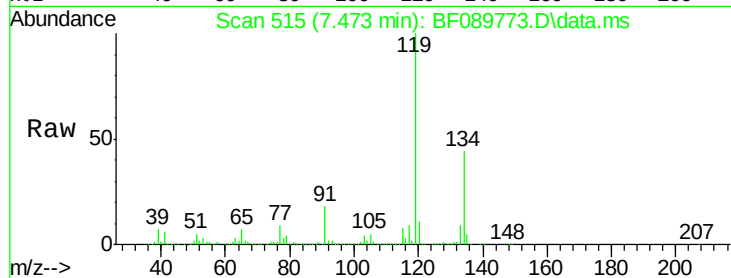
Tot Ion: 77 Resp: 174790

Ion Ratio Lower Upper

77 100

123 0.0 36.2 54.2#

65 71.7 10.6 15.8#



#25

Isophorone

Concen: 2.11 ng

RT: 7.724 min Scan# 537

Delta R.T. 0.194 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

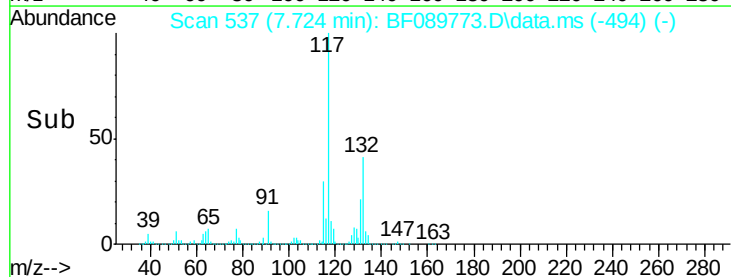
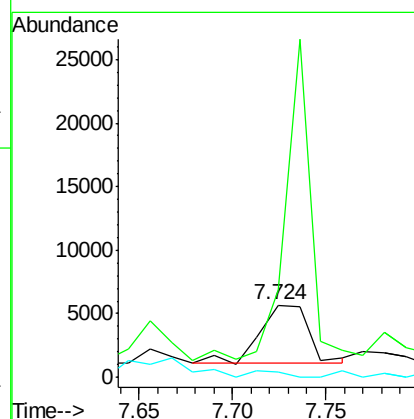
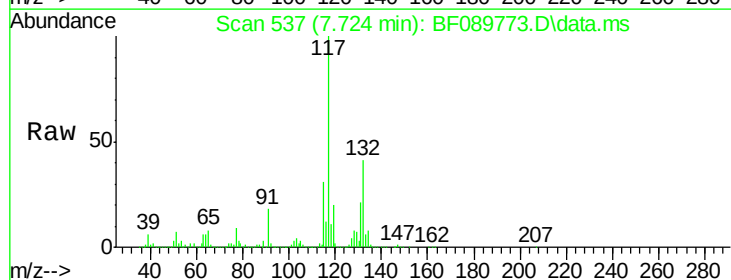
Tgt Ion: 82 Resp: 8387

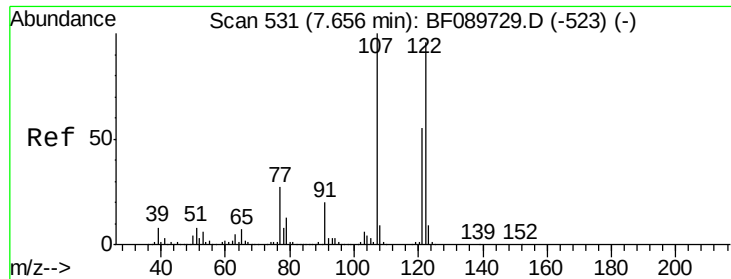
Ion Ratio Lower Upper

82 100

95 120.4 5.3 7.9#

138 6.8 13.0 19.4#

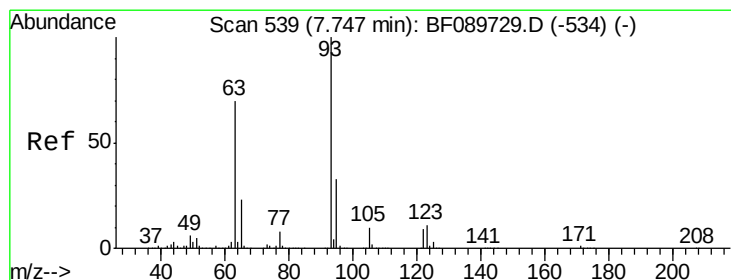
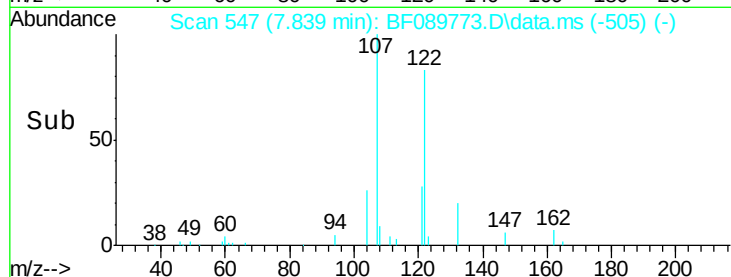
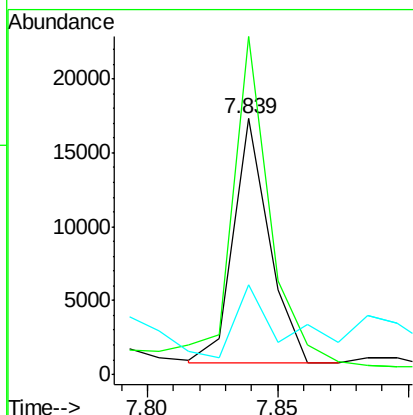
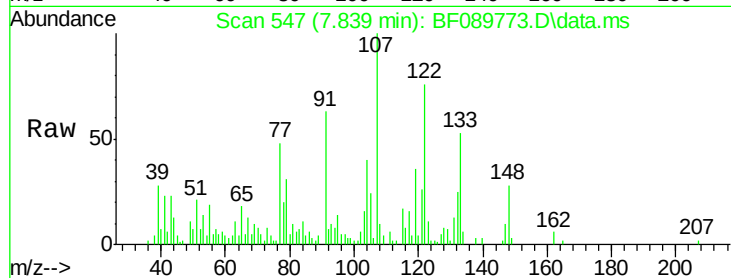




#27
 2,4-Dimethylphenol
 Concen: 7.99 ng
 RT: 7.839 min Scan# 54
 Delta R.T. 0.183 min
 Lab File: BF089773.D
 Acq: 17 Aug 2016 19:53

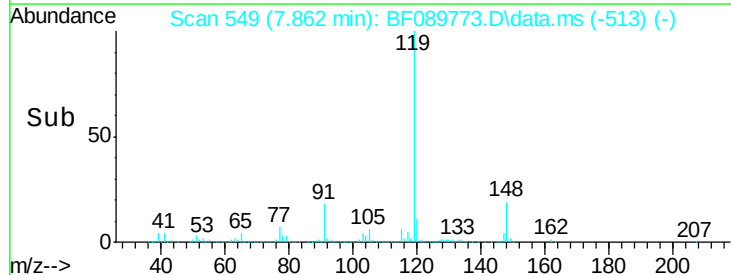
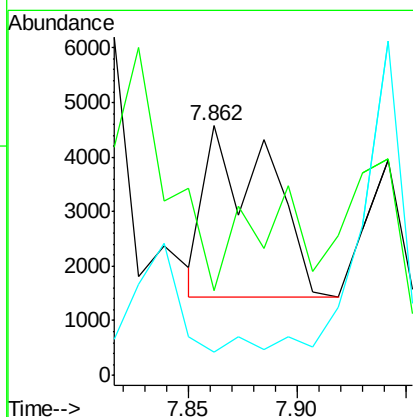
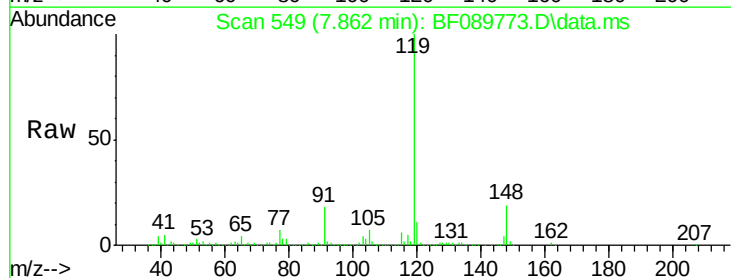
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-080416

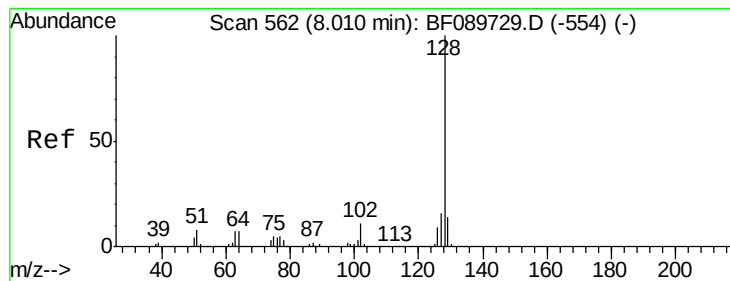
Tot Ion:122 Resp: 15904
 Ion Ratio Lower Upper
 122 100
 107 132.2 84.8 127.2#
 121 35.0 47.0 70.6#



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.64 ng
 RT: 7.862 min Scan# 549
 Delta R.T. 0.114 min
 Lab File: BF089773.D
 Acq: 17 Aug 2016 19:53

Tgt Ion: 93 Resp: 6366
 Ion Ratio Lower Upper
 93 100
 95 34.0 25.5 38.3
 123 9.2 8.5 12.7





#31

Naphthalene

Concen: 9.34 ng

RT: 8.376 min Scan# 59

Delta R.T. 0.366 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

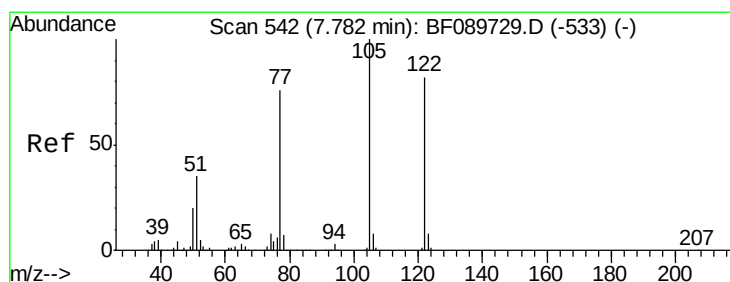
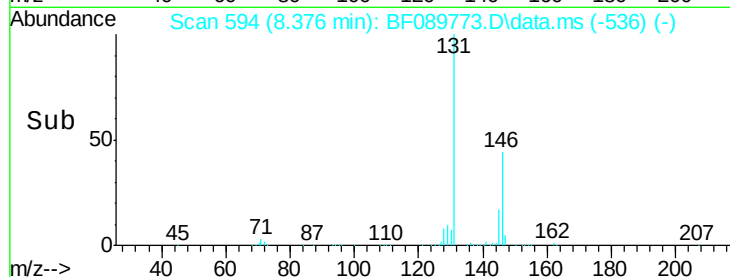
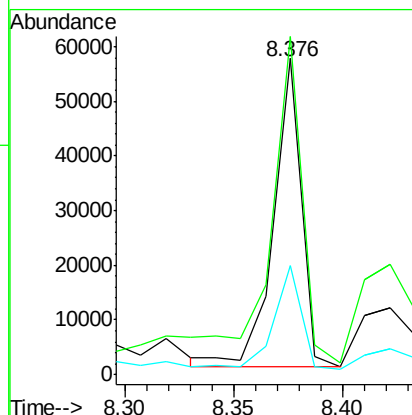
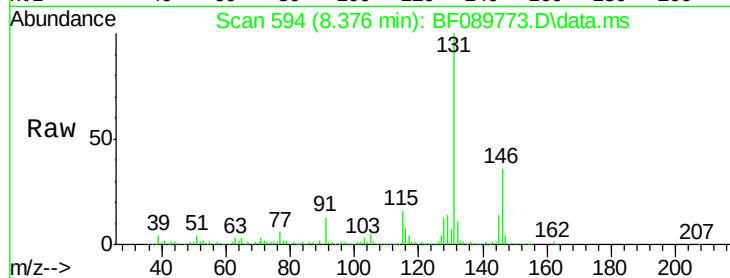
Tot Ion:128 Resp: 50814

Ion Ratio Lower Upper

128 100

129 106.7 9.5 14.3#

127 34.5 11.3 16.9#



#32

Benzoic acid

Concen: 25.86 ng

RT: 7.942 min Scan# 556

Delta R.T. 0.161 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

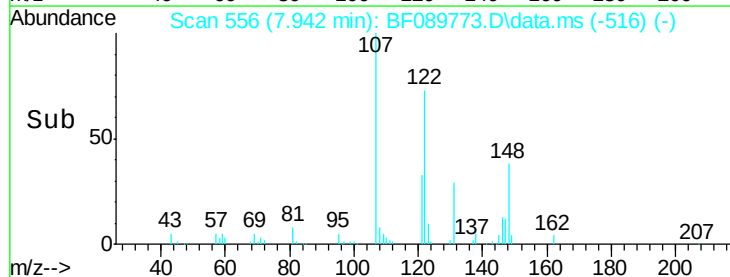
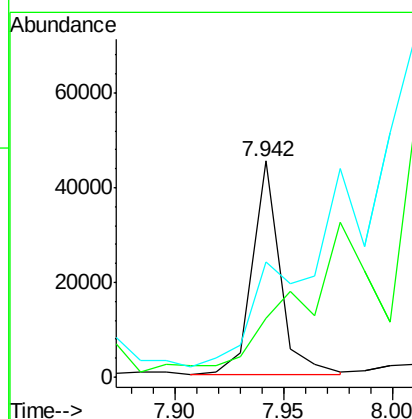
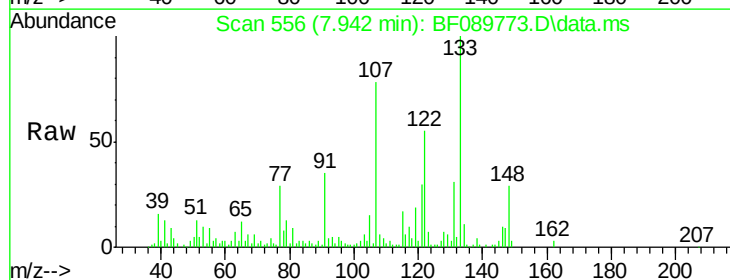
Tgt Ion:122 Resp: 40043

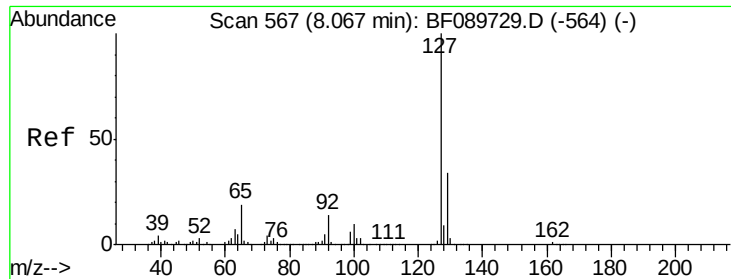
Ion Ratio Lower Upper

122 100

105 27.2 100.8 140.8#

77 53.2 72.1 112.1#

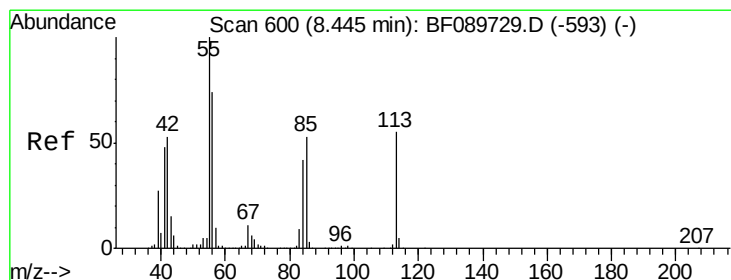
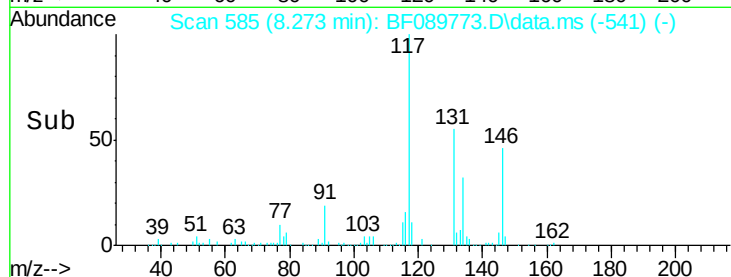
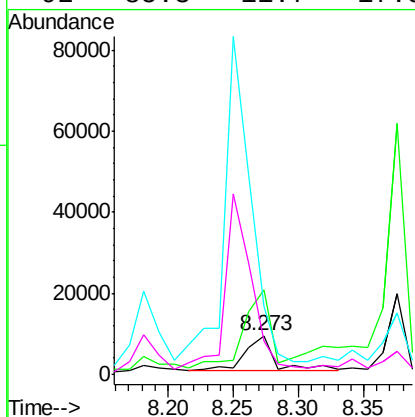
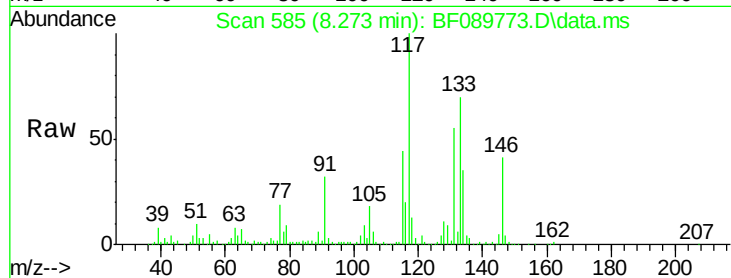




#33
4-Chloroaniline
Concen: 5.85 ng
RT: 8.273 min Scan# 58
Delta R.T. 0.206 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

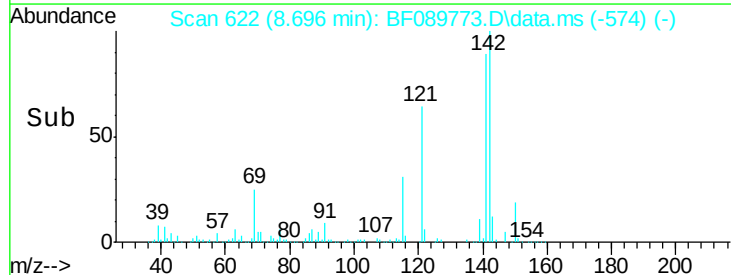
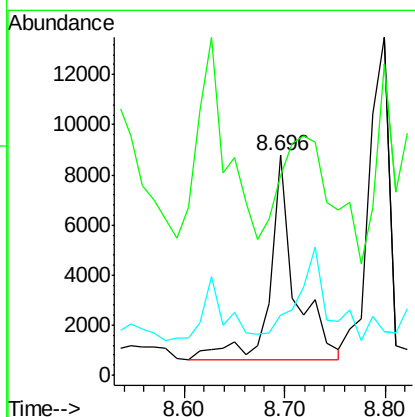
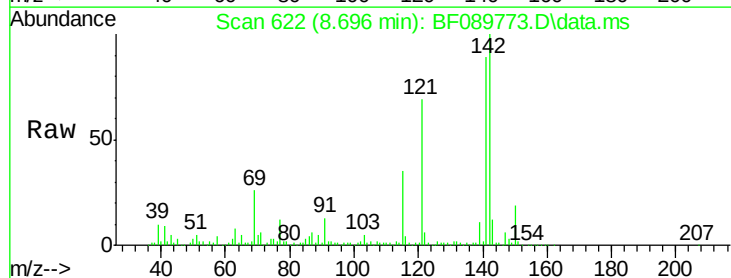
Instrument :
BNA_F
ClientSampleId :
MW-2-080416

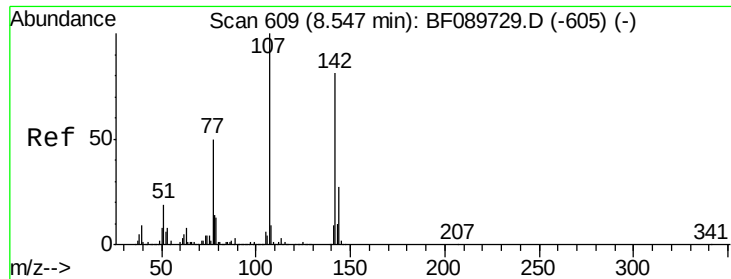
Tot Ion:127	Resp:	14719
Ion Ratio	Lower	Upper
127	100	
129	218.0	27.0 40.6#
65	176.5	14.7 22.1#
92	85.3	11.7 17.5#



#35
Caprolactam
Concen: 28.04 ng
RT: 8.696 min Scan# 622
Delta R.T. 0.251 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

Tgt Ion:113	Resp:	14328
Ion Ratio	Lower	Upper
113	100	
55	90.6	135.9 175.9#
56	27.7	93.9 133.9#

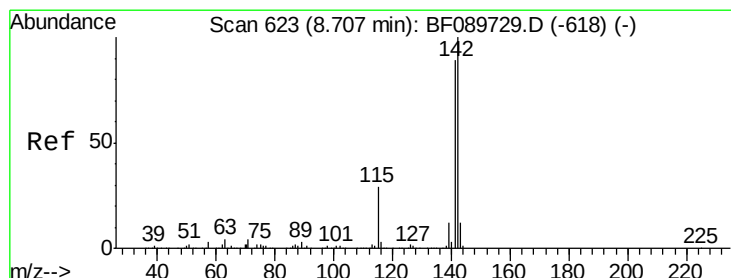
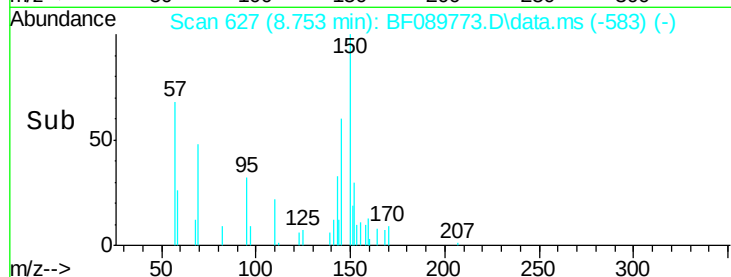
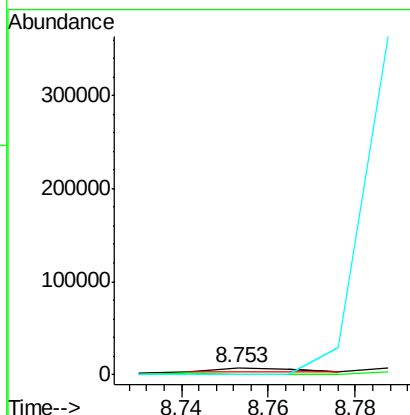
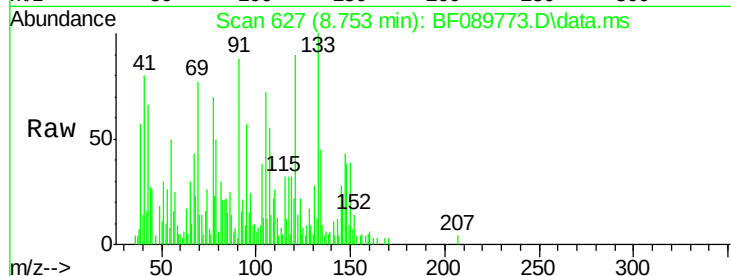




#36
 4-Chloro-3-methylphenol
 Concen: 3.13 ng
 RT: 8.753 min Scan# 62
 Delta R.T. 0.206 min
 Lab File: BF089773.D
 Acq: 17 Aug 2016 19:53

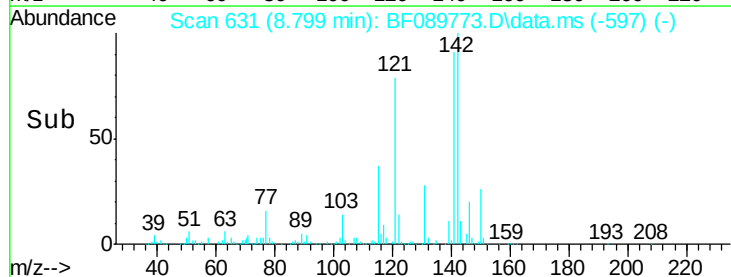
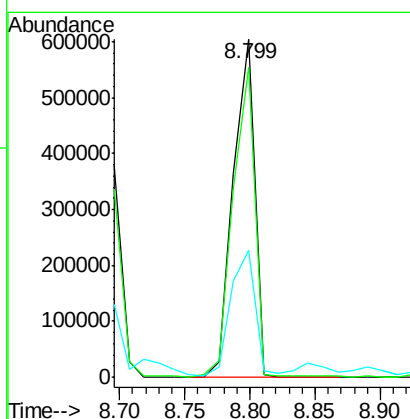
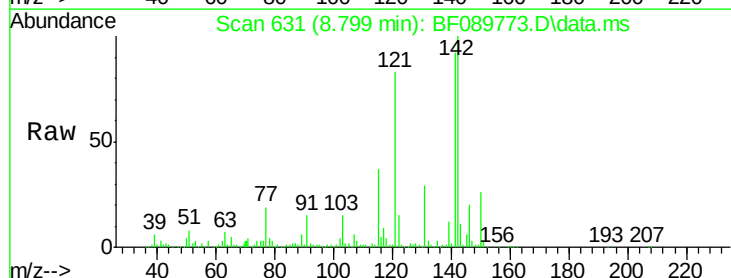
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-080416

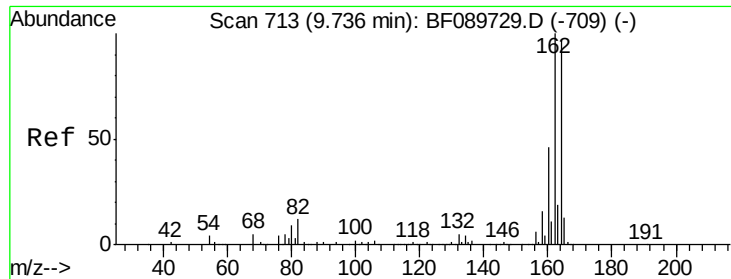
Tot Ion:107 Resp: 5648
 Ion Ratio Lower Upper
 107 100
 144 8.2 22.6 34.0#
 142 7.2 69.3 103.9#



#37
 2-Methylnaphthalene
 Concen: 185.52 ng
 RT: 8.799 min Scan# 631
 Delta R.T. 0.091 min
 Lab File: BF089773.D
 Acq: 17 Aug 2016 19:53

Tgt Ion:142 Resp: 687007
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.4 107.2
 115 37.4 22.7 34.1#

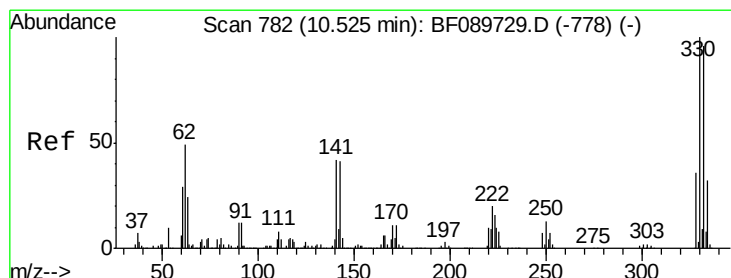
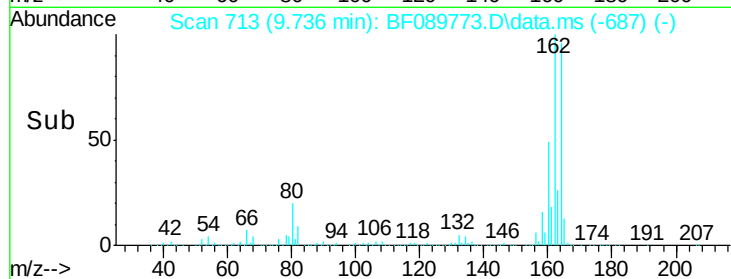
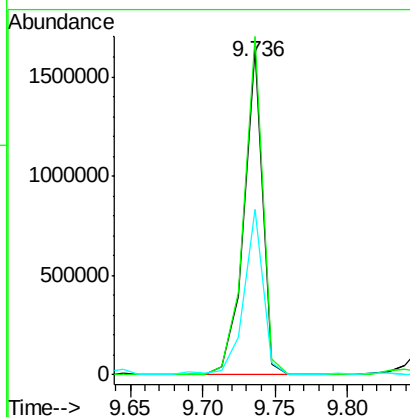
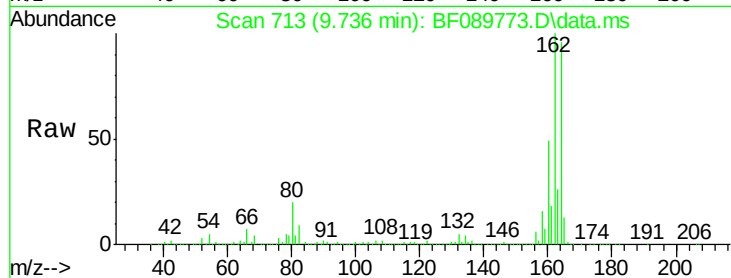




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.736 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

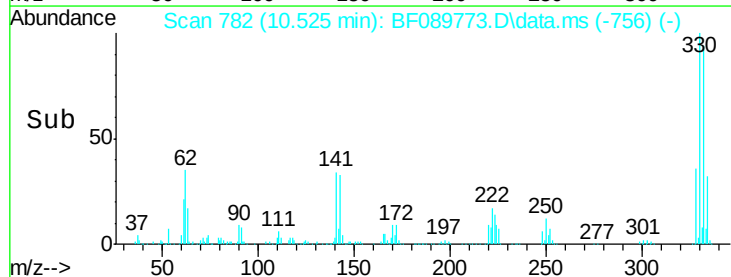
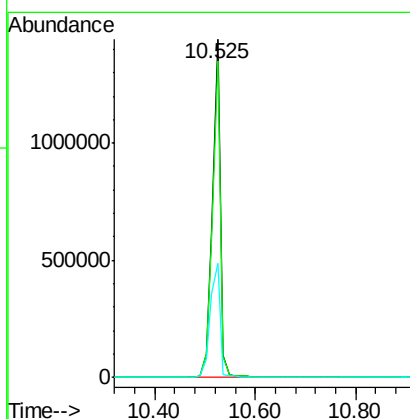
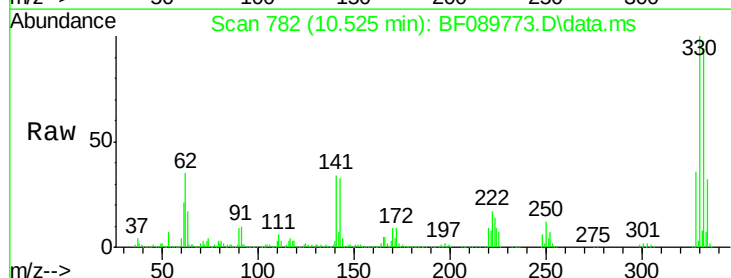
Instrument :
BNA_F
ClientSampleId :
MW-2-080416

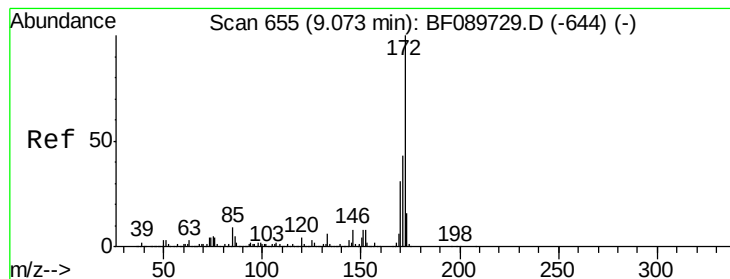
Tot Ion:164 Resp: 1457369
Ion Ratio Lower Upper
164 100
162 103.7 81.4 122.2
160 50.6 37.8 56.6



#41
2,4,6-Tribromophenol
Concen: 112.50 ng
RT: 10.525 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF089773.D
Acq: 17 Aug 2016 19:53

Tgt Ion:330 Resp: 1586098
Ion Ratio Lower Upper
330 100
332 94.2 76.7 115.1
141 40.9 30.2 45.2





#44

2-Fluorobiphenyl

Concen: 69.49 ng

RT: 9.073 min Scan# 65

Delta R.T. 0.000 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

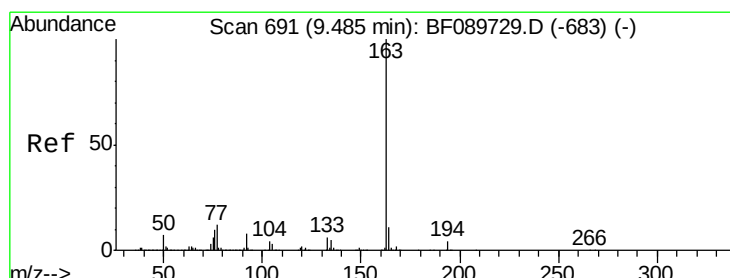
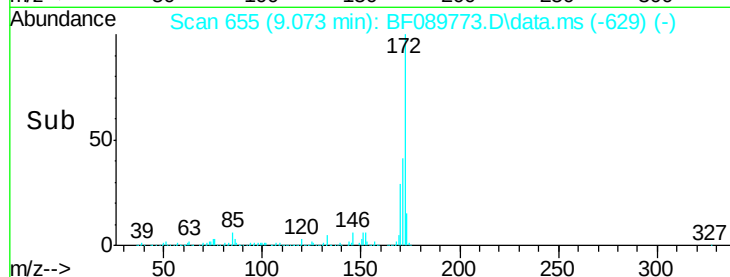
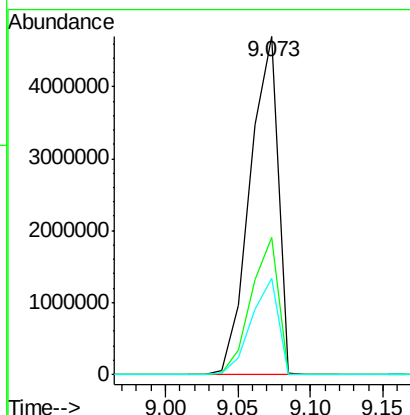
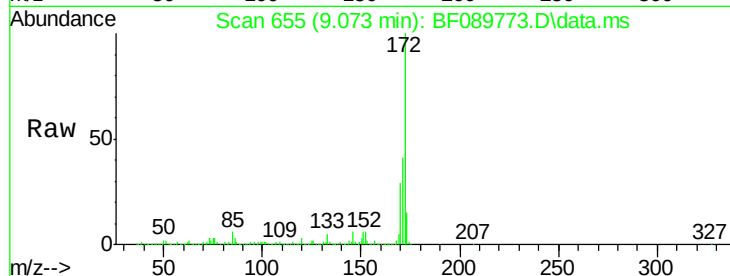
BNA_F

ClientSampleId :

MW-2-080416

Tot Ion:172 Resp: 6311260

Ion	Ratio	Lower	Upper
172	100		
171	40.6	30.5	45.7
170	28.5	20.6	31.0



#49

Dimethylphthalate

Concen: 2.90 ng

RT: 9.462 min Scan# 689

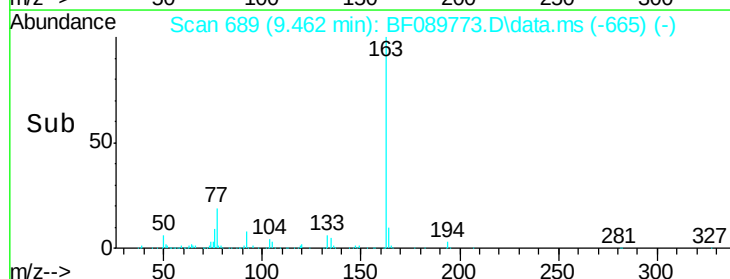
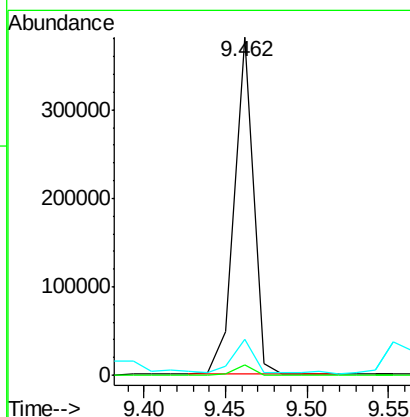
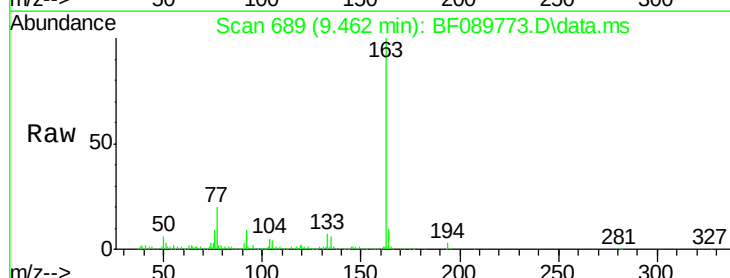
Delta R.T. -0.023 min

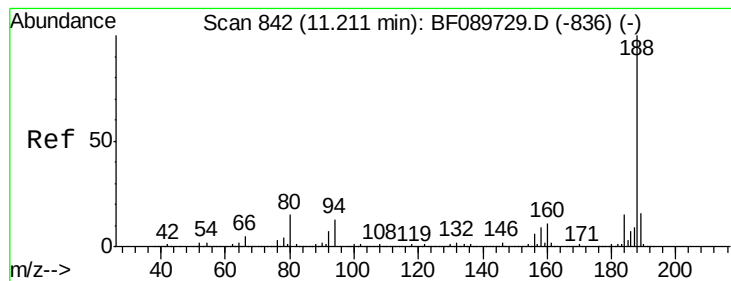
Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Tgt Ion:163 Resp: 305816

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	3.8
164	10.5	8.6	12.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.211 min Scan# 84

Delta R.T. -0.000 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

BNA_F

ClientSampleId :

MW-2-080416

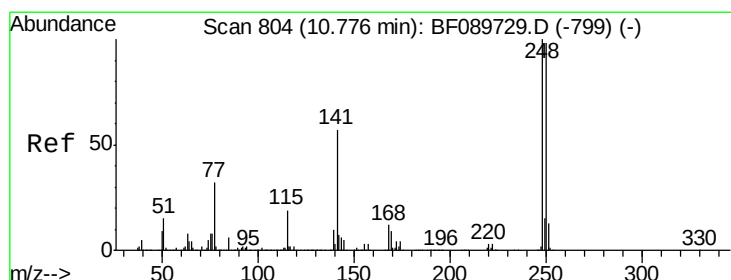
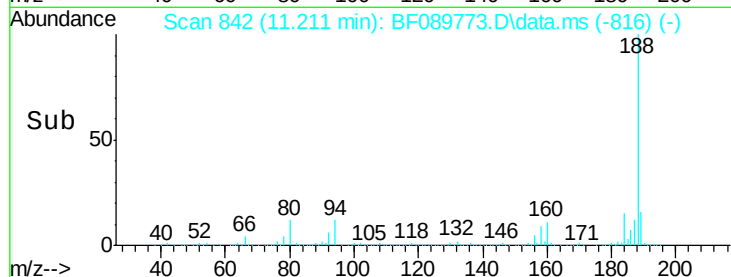
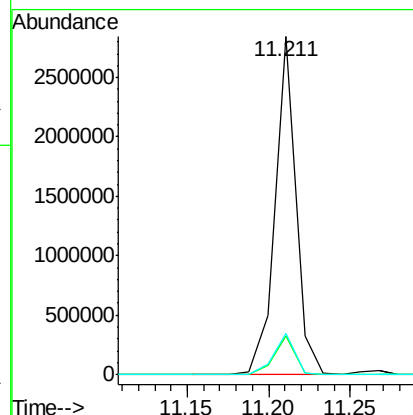
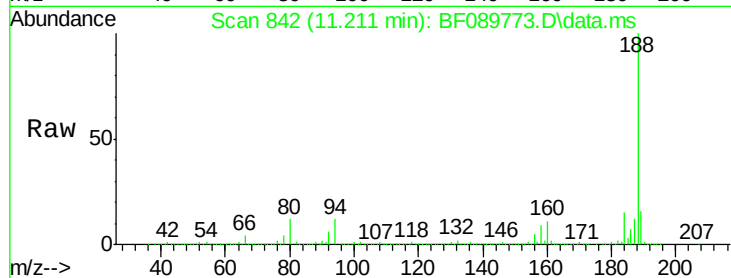
Tot Ion:188 Resp: 2538298

Ion Ratio Lower Upper

188 100

94 11.6 10.2 15.2

80 12.1 10.9 16.3



#66

4-Bromophenyl-phenylether

Concen: 3.68 ng

RT: 10.525 min Scan# 782

Delta R.T. -0.252 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

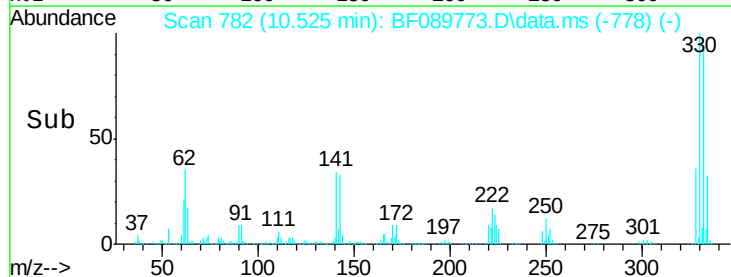
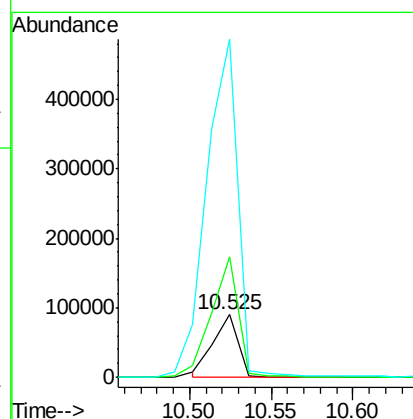
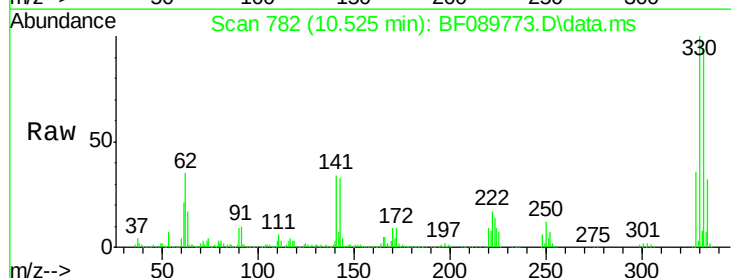
Tgt Ion:248 Resp: 96758

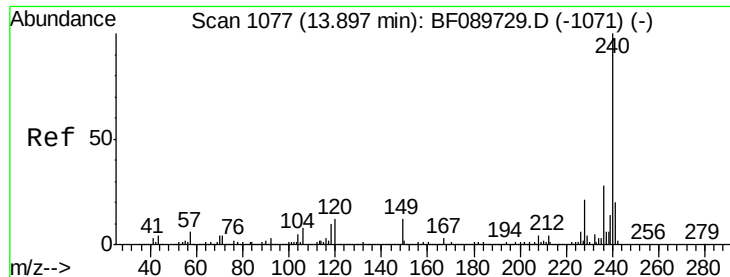
Ion Ratio Lower Upper

248 100

250 192.8 78.6 117.8#

141 541.0 31.4 47.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.851 min Scan# 10

Delta R.T. -0.046 min

Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Instrument :

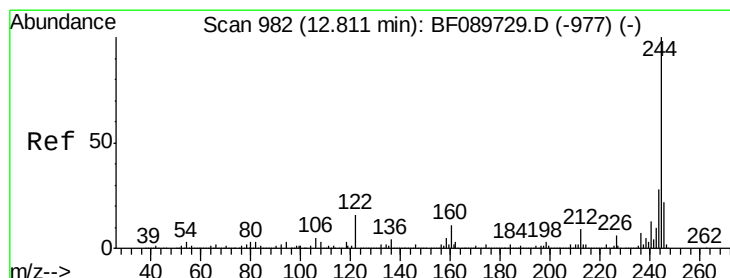
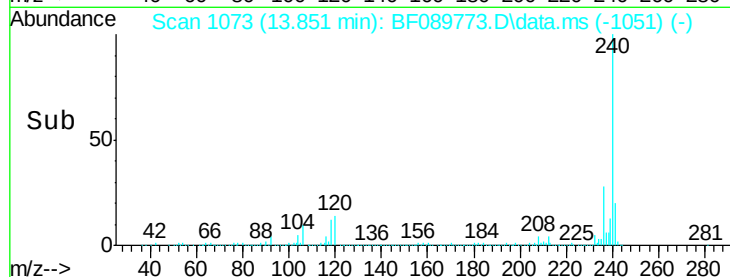
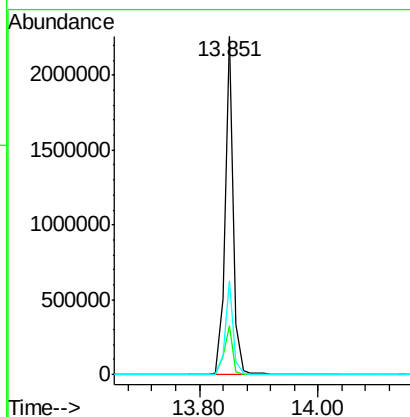
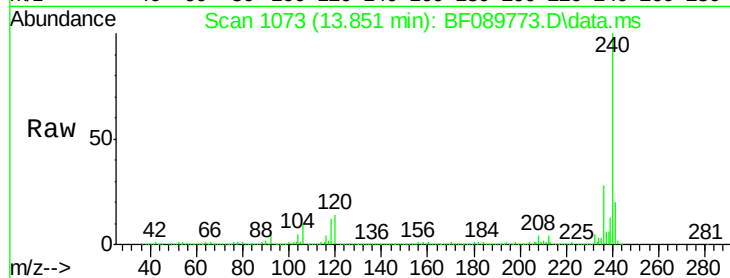
BNA_F

ClientSampleId :

MW-2-080416

Tot Ion:240 Resp: 2181967

Ion	Ratio	Lower	Upper
240	100		
120	14.5	8.3	12.5#
236	27.8	21.3	31.9



#78

Terphenyl-d14

Concen: 80.15 ng

RT: 12.811 min Scan# 982

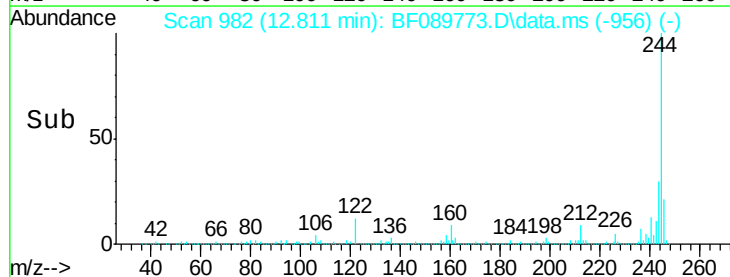
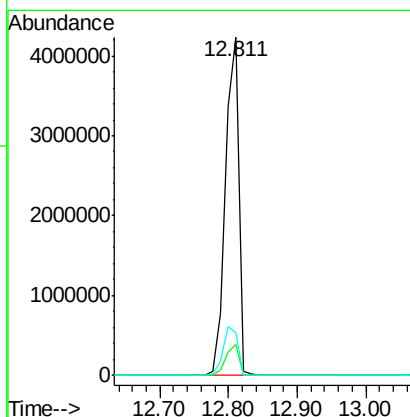
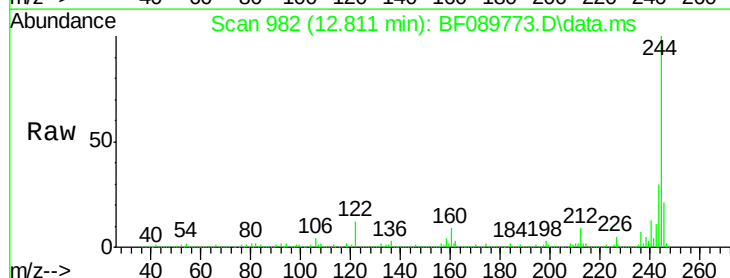
Delta R.T. 0.001 min

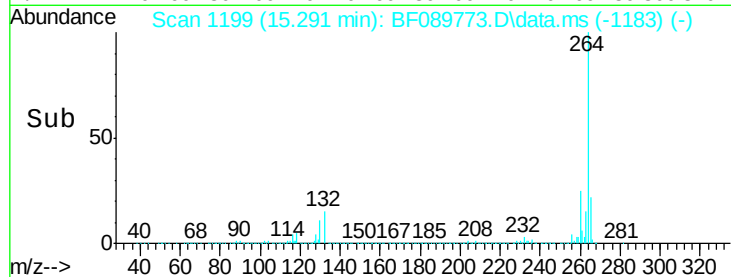
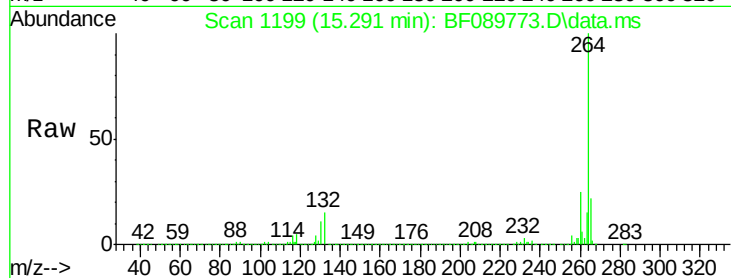
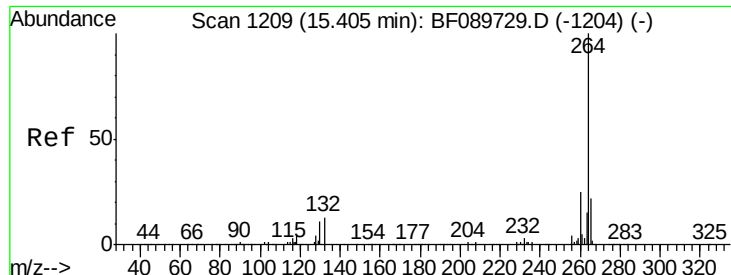
Lab File: BF089773.D

Acq: 17 Aug 2016 19:53

Tgt Ion:244 Resp: 5853663

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.3	9.5
122	12.4	12.0	18.0





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.291 min Scan# 11
 Delta R.T. -0.114 min
 Lab File: BF089773.D
 Acq: 17 Aug 2016 19:53

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-080416

Tot Ion:264 Resp: 2004576
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.2 30.2
 265 22.3 17.4 26.2

