

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087897.D
 Acq On : 11 Jun 2016 2:56
 Operator : UM/SJ
 Sample : H3440-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-16

Quant Time: Jun 11 03:44:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

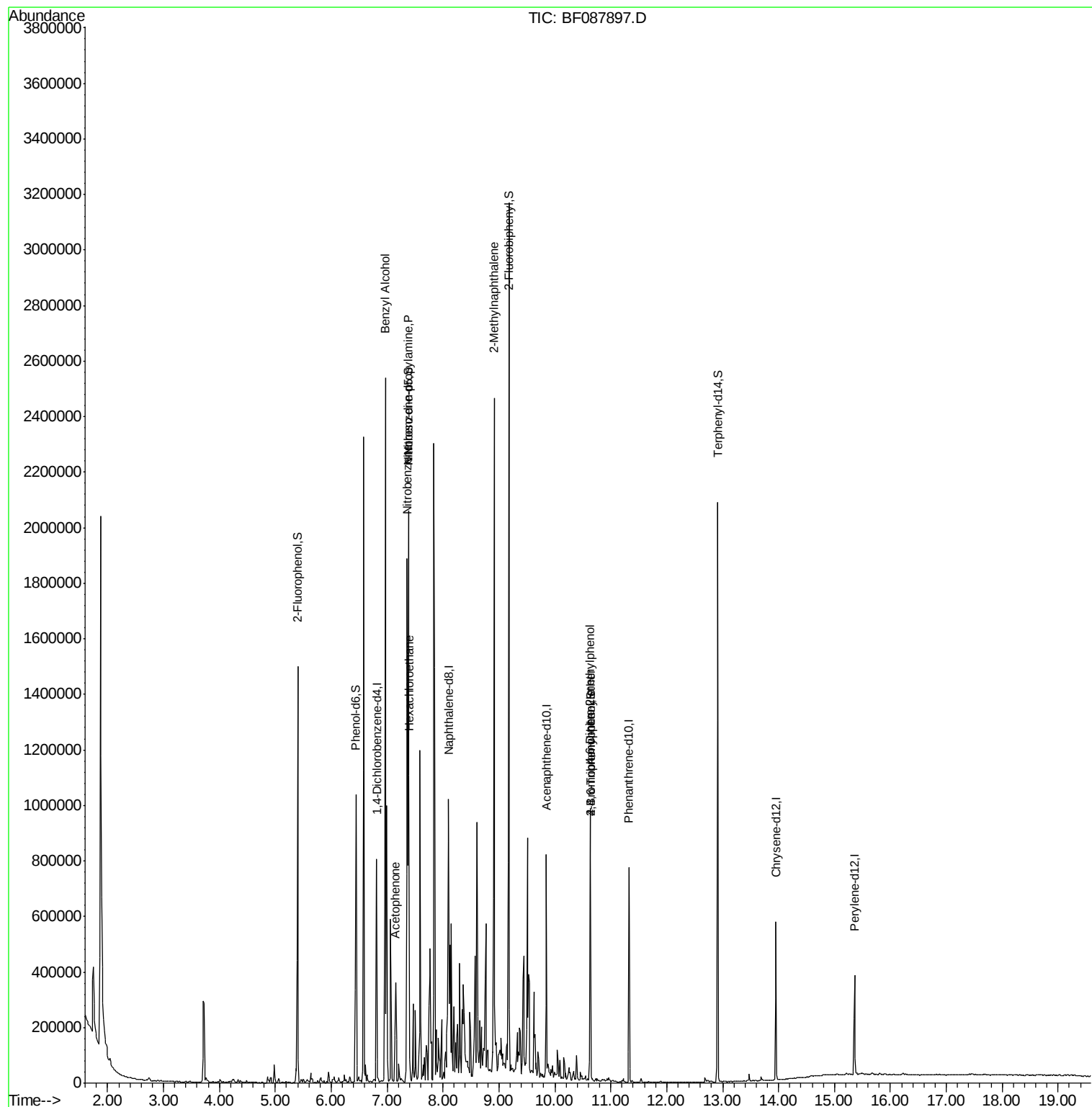
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109469	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	419034	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	154393	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	253661	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	220642	20.00	ng	-0.03
86) Perylene-d12	15.36	264	161101	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	417257	65.16	ng	-0.02
7) Phenol-d6	6.44	99	371332	47.85	ng	-0.03
23) Nitrobenzene-d5	7.38	82	574279	80.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	173189	106.24	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	946310	97.07	ng	-0.03
78) Terphenyl-d14	12.91	244	791984	81.68	ng	-0.03
Target Compounds						
10) Phenol	6.46	94	563	Below Cal	#	1
15) Benzyl Alcohol	6.97	79	14939	2.46	ng	36
18) Hexachloroethane	7.39	117	434962	149.63	ng	37
19) n-Nitroso-di-n-propylamine	7.38	70	77949	15.70	ng	74
22) Acetophenone	7.15	105	105645	11.28	ng	74
24) Nitrobenzene	7.36	77	59756	8.60	ng	15
37) 2-Methylnaphthalene	8.91	142	611666	44.75	ng	94
45) 1,1'-Biphenyl	9.18	154	1896	Below Cal	#	1
57) Fluorene	10.39	166	17519	Below Cal	#	98
64) 4,6-Dinitro-2-methylphenol	10.63	198	239	2.31	ng	1
66) 4-Bromophenyl-phenylether	10.64	248	10397	3.82	ng	1

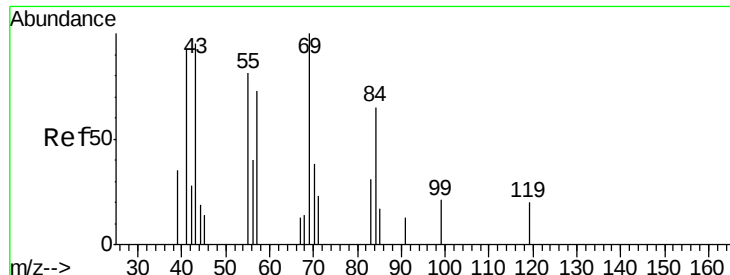
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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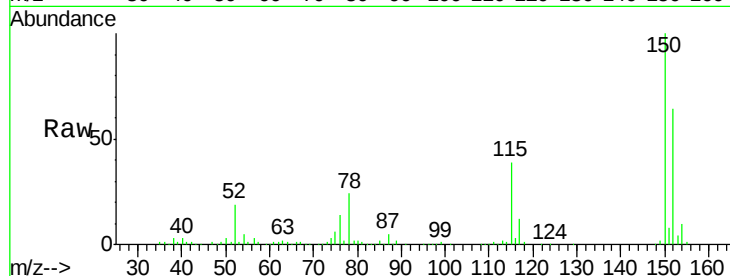




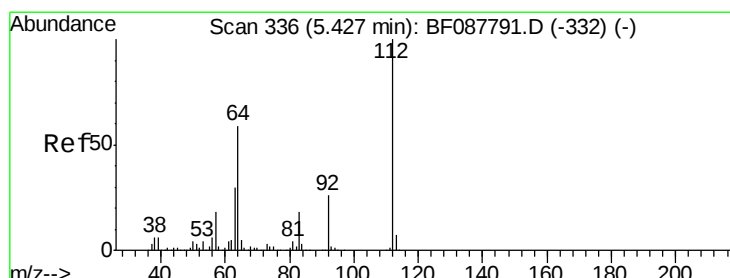
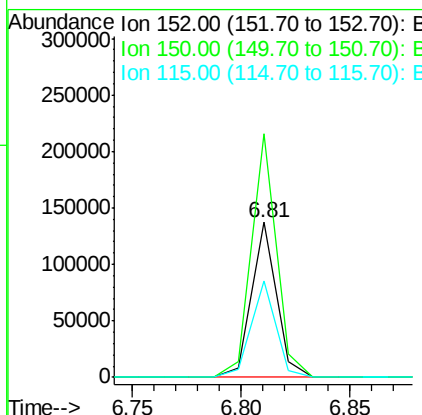
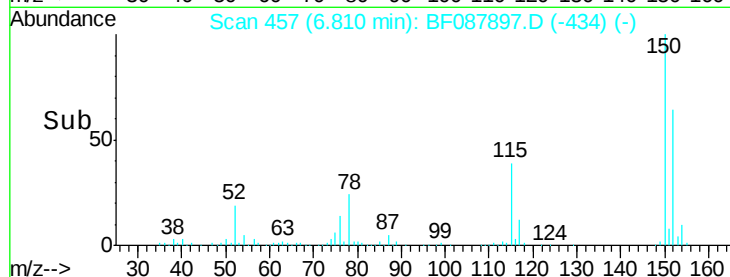
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

Instrument :
 BNA_F
 ClientSampleId :
 W-16

Tgt Ion:152 Resp: 109469
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.8 185.6
 115 61.9 39.6 59.4#

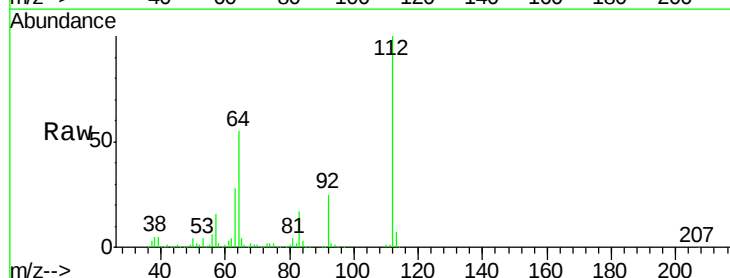


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

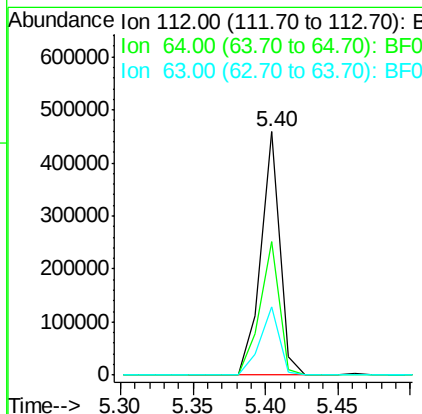
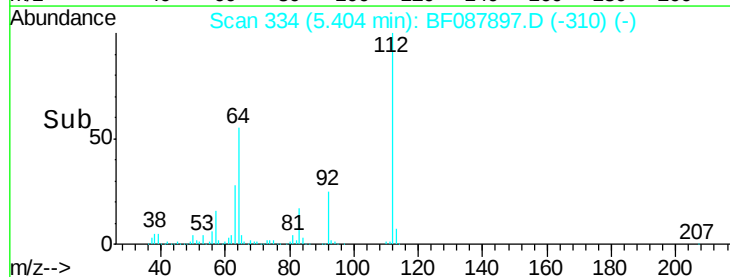


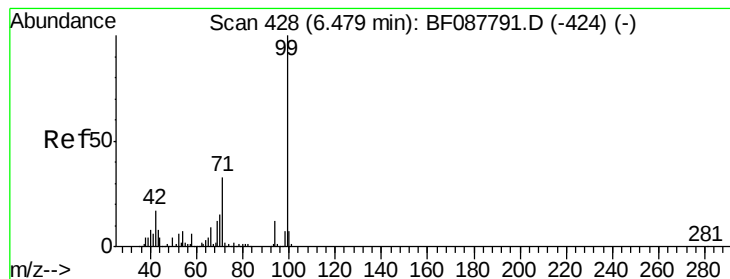
#5
 2-Fluorophenol
 Concen: 65.16 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

Tgt Ion:112 Resp: 417257
 Ion Ratio Lower Upper
 112 100
 64 54.6 42.2 63.2
 63 27.9 21.8 32.8



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: 47.85 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

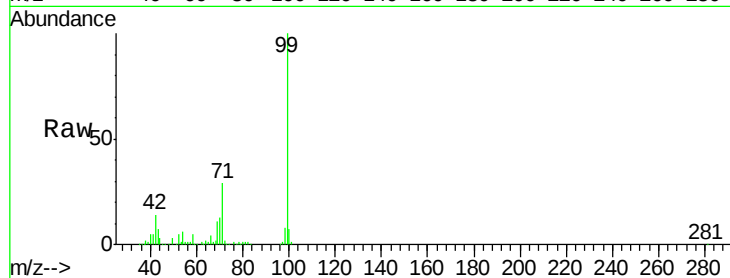
Tgt Ion: 99 Resp: 371332

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

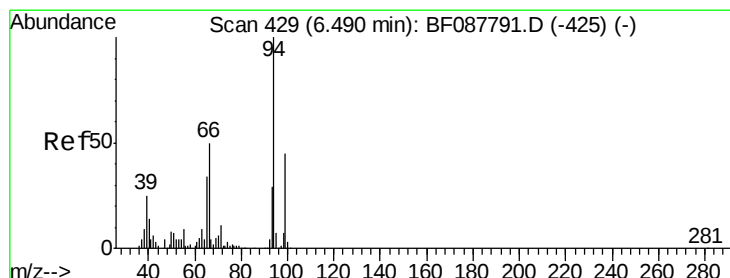
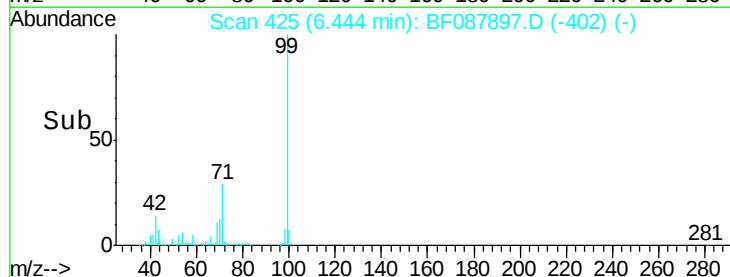
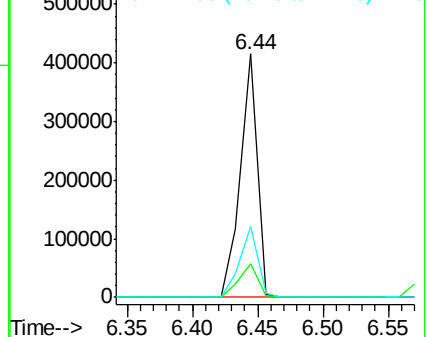
71 29.3 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

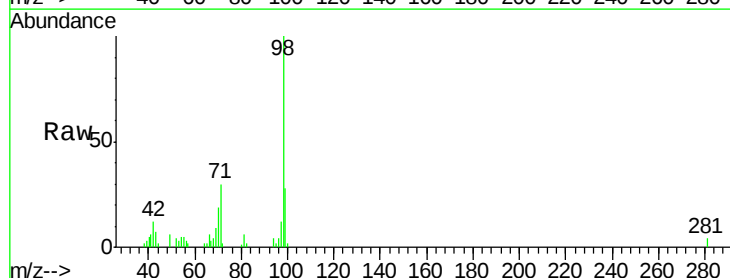
Tgt Ion: 94 Resp: 563

Ion Ratio Lower Upper

94 100

65 44.5 5.9 45.9

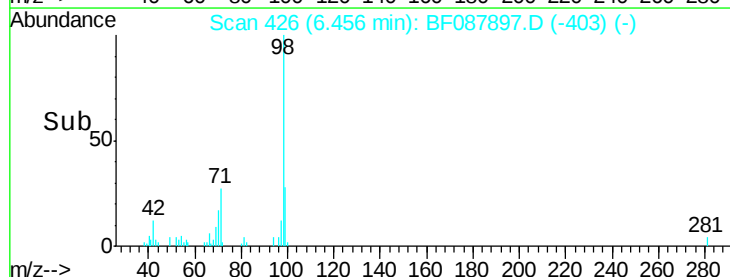
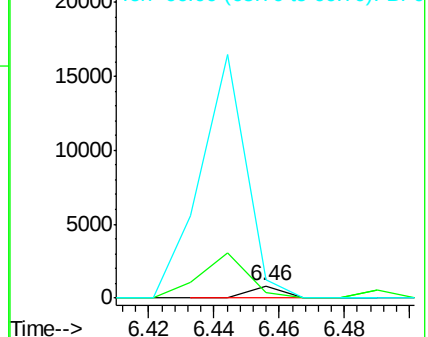
66 148.1 14.0 54.0#

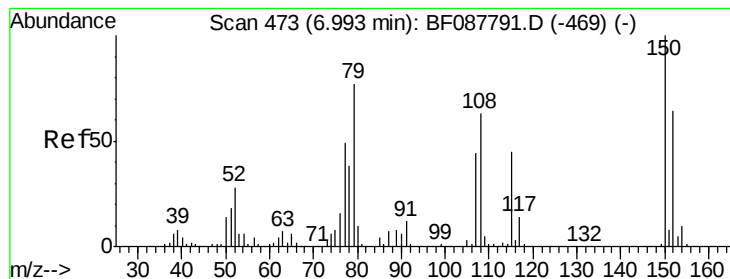


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.46 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.02 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

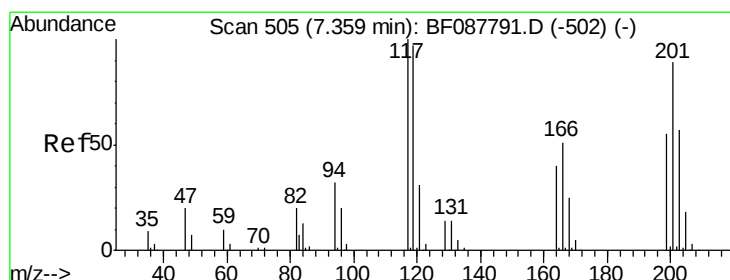
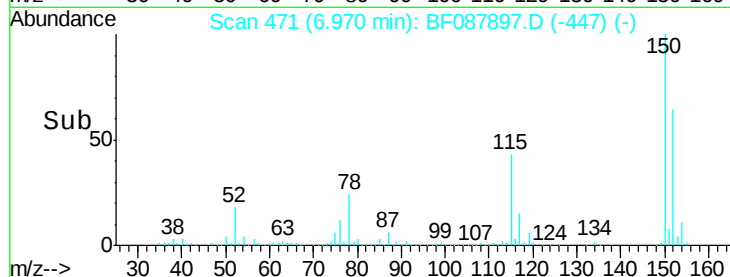
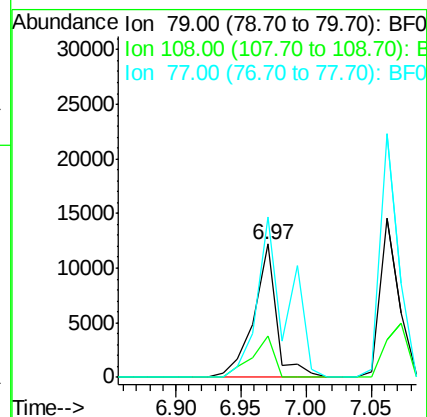
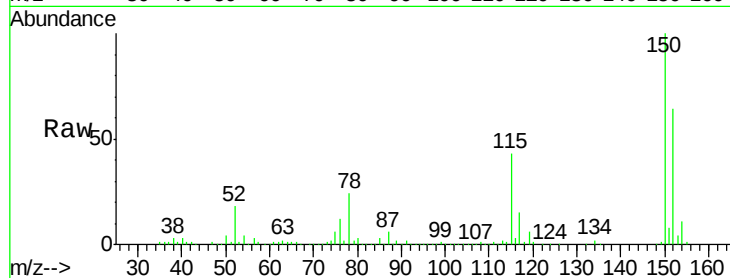
Tgt Ion: 79 Resp: 14939

Ion Ratio Lower Upper

79 100

108 31.2 65.0 97.6#

77 120.4 50.3 75.5#



#18

Hexachloroethane

Concen: 149.63 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

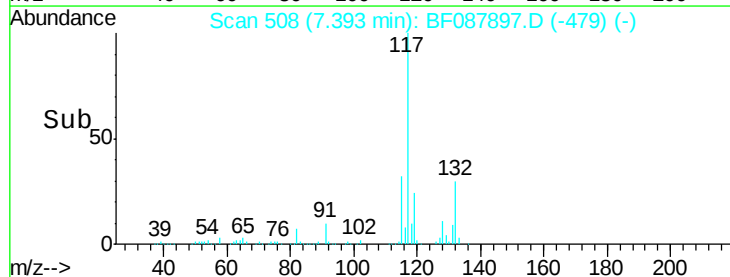
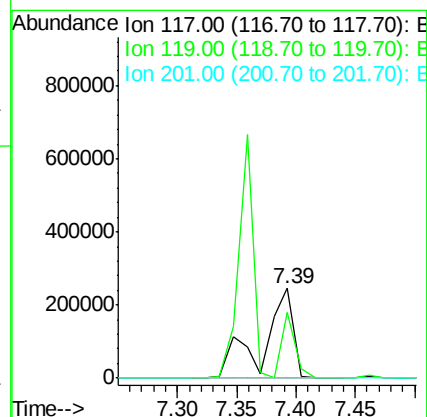
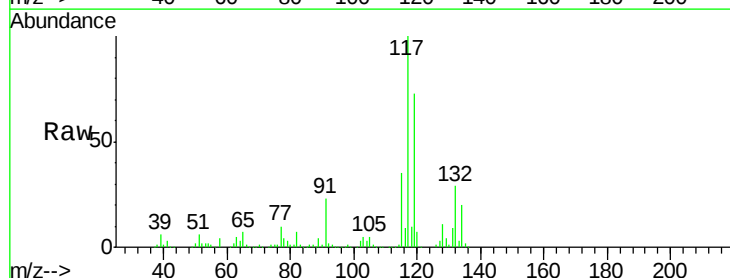
Tgt Ion: 117 Resp: 434962

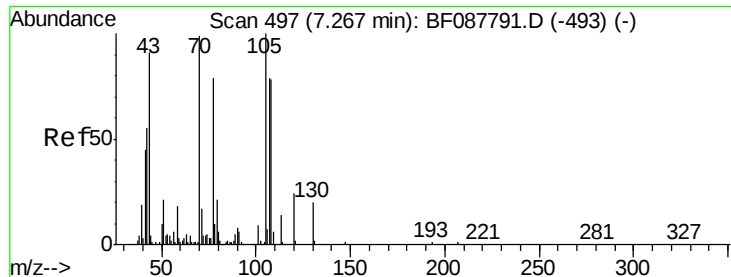
Ion Ratio Lower Upper

117 100

119 72.7 77.4 116.2#

201 0.0 80.4 120.6#





#19

n-Nitroso-di-n-propylamine

Concen: 15.70 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

Tgt Ion: 70 Resp: 77949

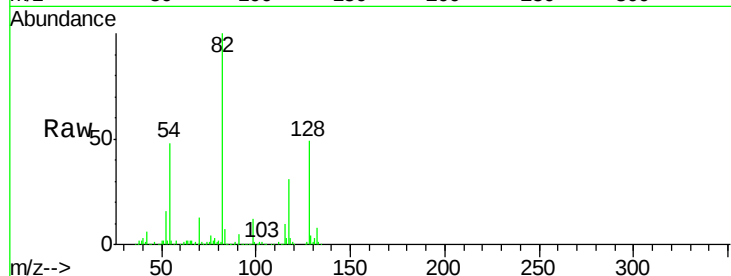
Ion Ratio Lower Upper

70 100

42 43.5 49.6 74.4#

101 1.1 7.1 10.7#

130 4.2 15.4 23.2#

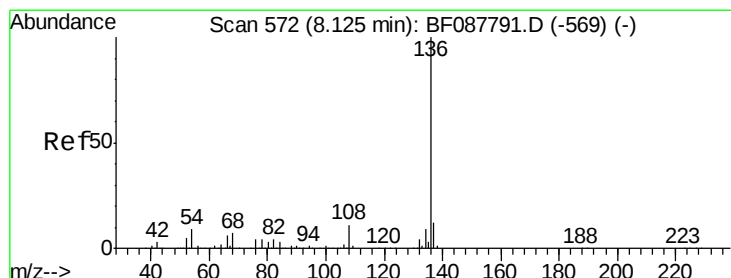
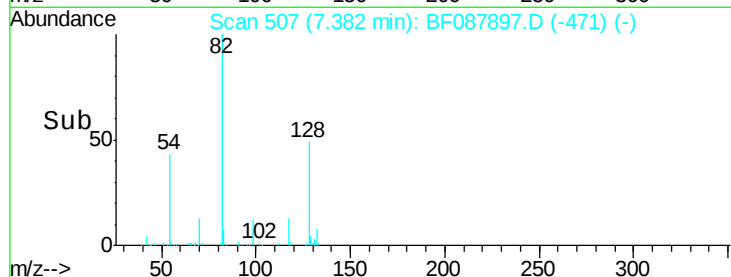
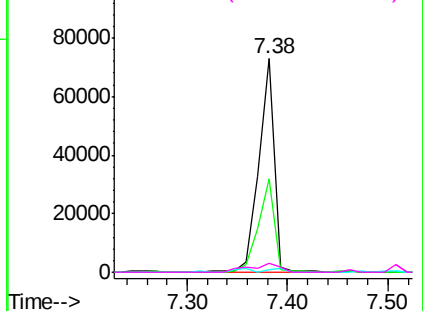


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Tgt Ion: 136 Resp: 419034

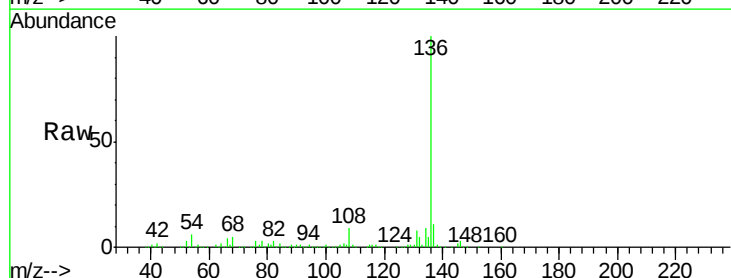
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.0 6.6 10.0#

68 5.2 5.1 7.7

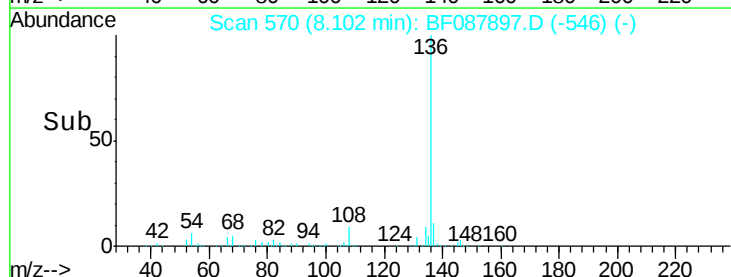
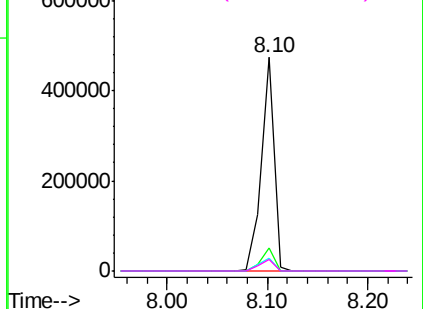


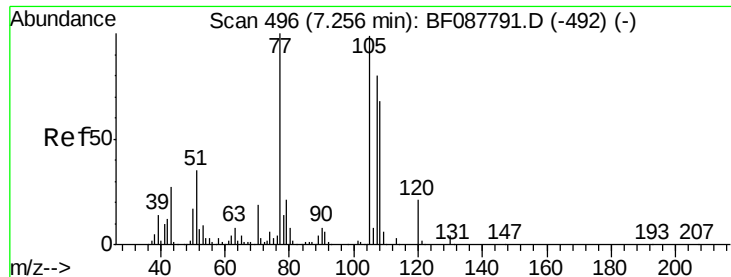
Abundance Ion 136.00 (135.70 to 136.70): E

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

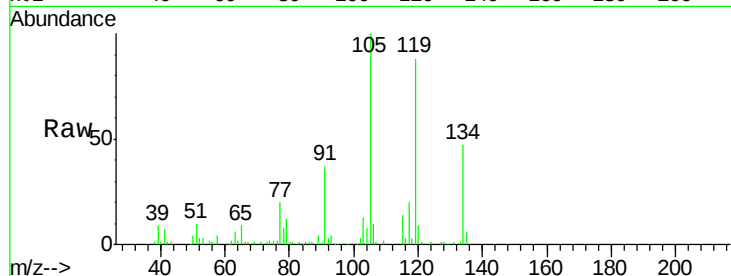




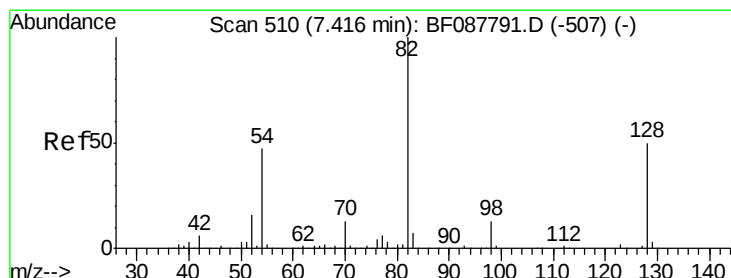
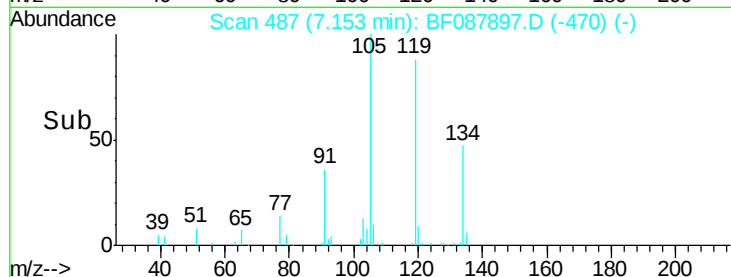
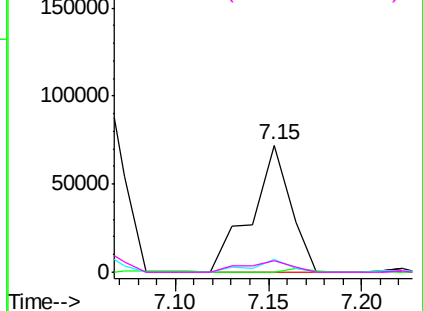
#22
Acetophenone
Concen: 11.28 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.10 min
Lab File: BF087897.D
Acq: 11 Jun 2016 2:56

Instrument :
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ClientSampleId :
W-16

Tgt Ion: 105 Resp: 105645
Ion Ratio Lower Upper
105 100
71 0.5 5.3 7.9#
51 10.0 18.2 27.4#
120 9.2 18.0 27.0#

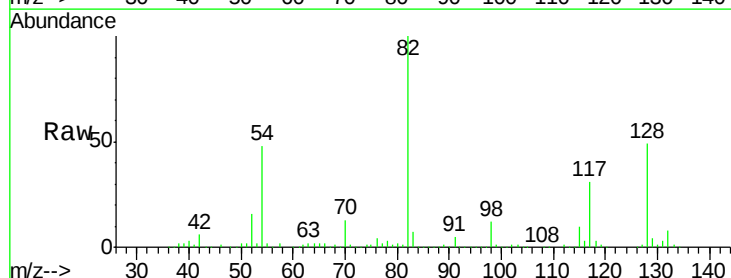


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

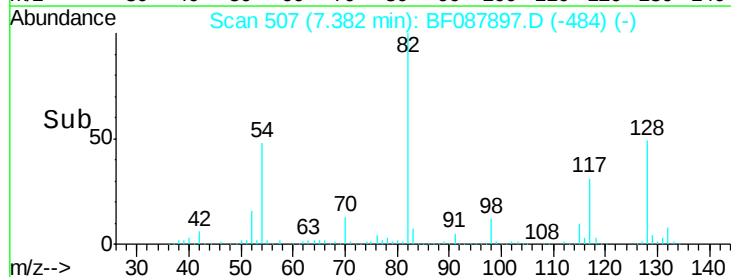
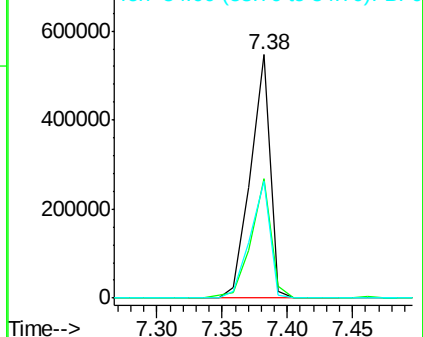


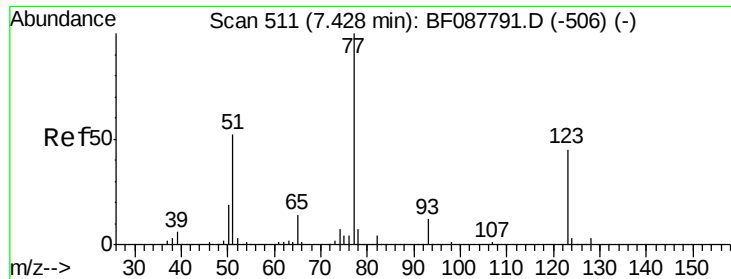
#23
Nitrobenzene-d5
Concen: 80.03 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087897.D
Acq: 11 Jun 2016 2:56

Tgt Ion: 82 Resp: 574279
Ion Ratio Lower Upper
82 100
128 49.1 35.9 53.9
54 48.1 40.9 61.3



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

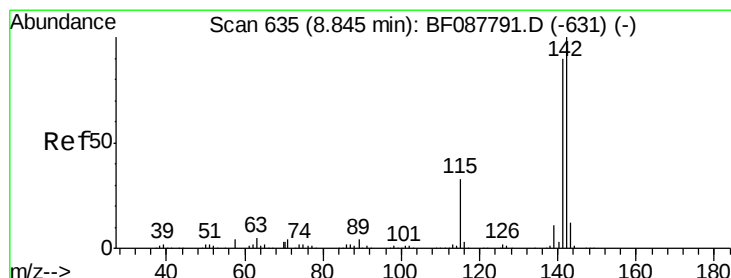
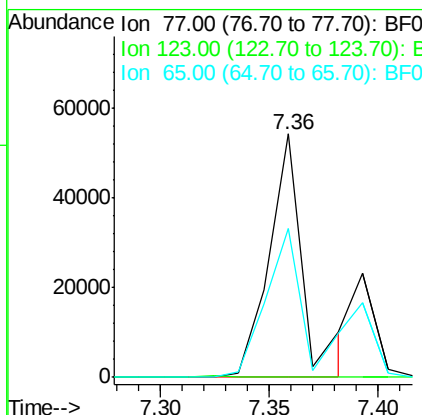
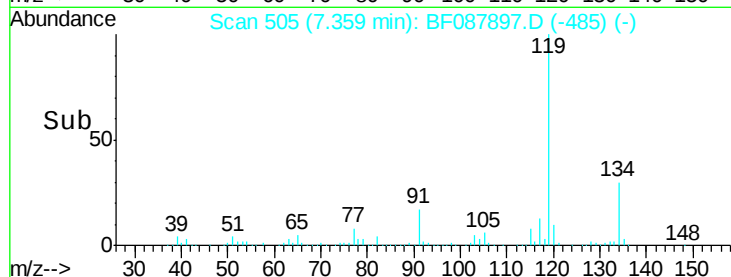
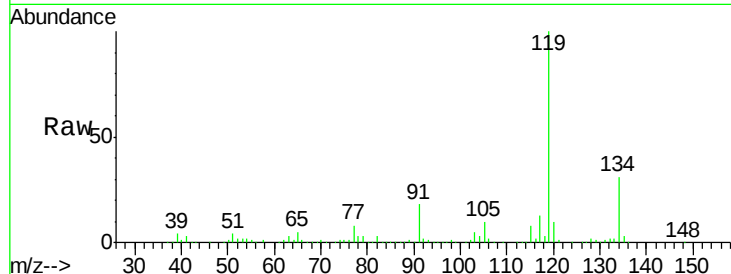




#24
 Nitrobenzene
 Concen: 8.60 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.07 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

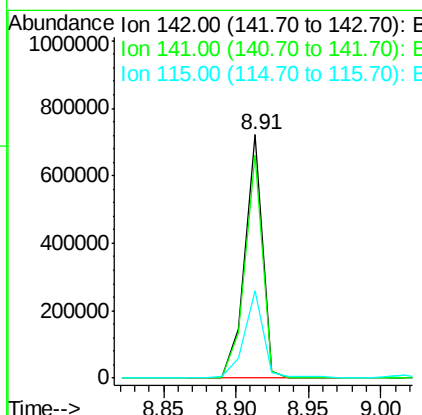
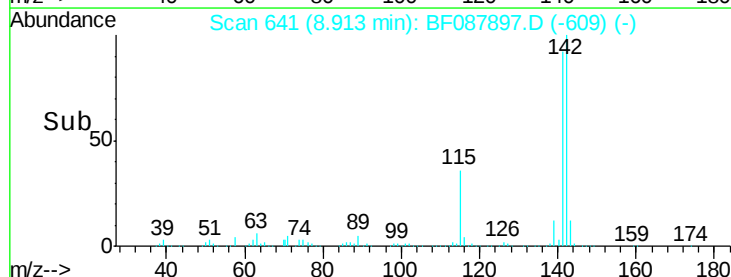
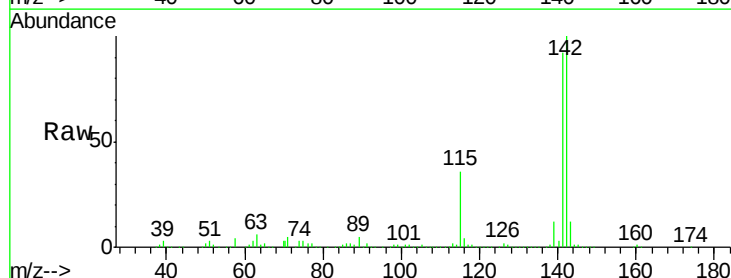
Instrument :
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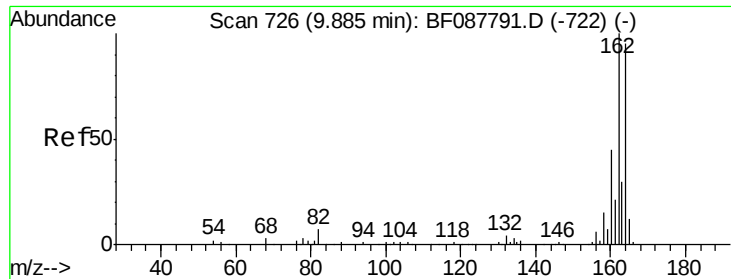
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	60.9	10.2	15.2#



#37
 2-Methylnaphthalene
 Concen: 44.75 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.07 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.0	106.6
115	35.9	22.6	33.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

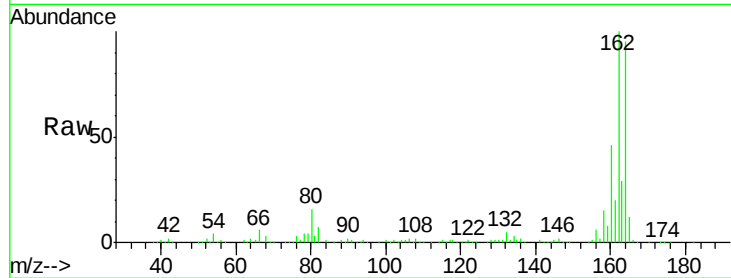
Tgt Ion:164 Resp: 154393

Ion Ratio Lower Upper

164 100

162 104.8 85.4 128.2

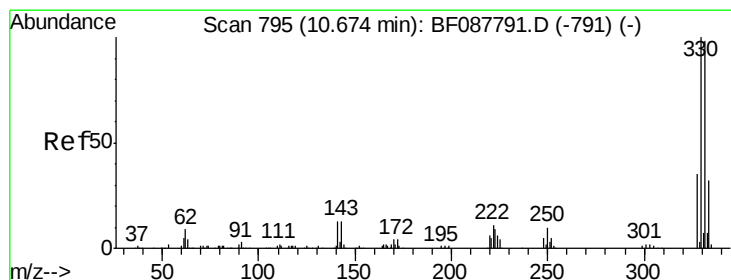
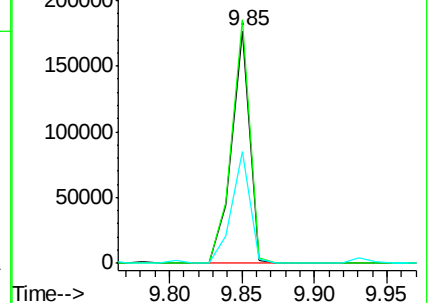
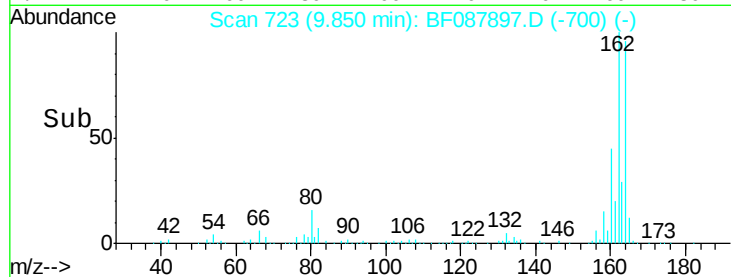
160 48.0 39.5 59.3



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: 106.24 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

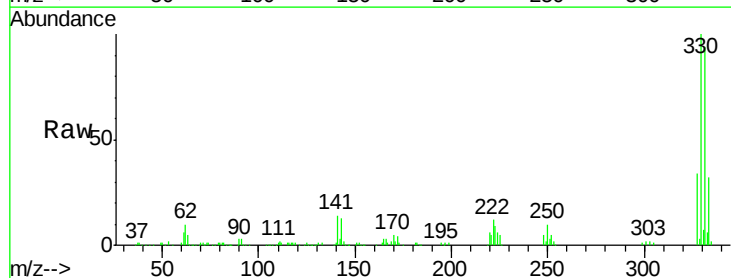
Tgt Ion:330 Resp: 173189

Ion Ratio Lower Upper

330 100

332 94.0 0.0 0.0#

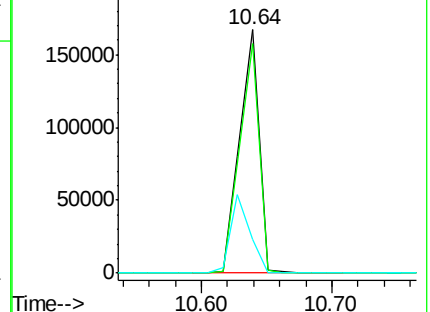
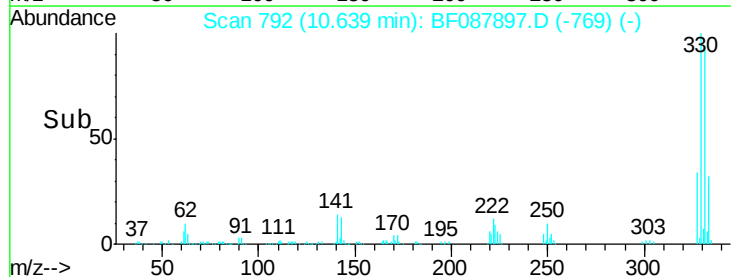
141 33.2 0.0 0.0#

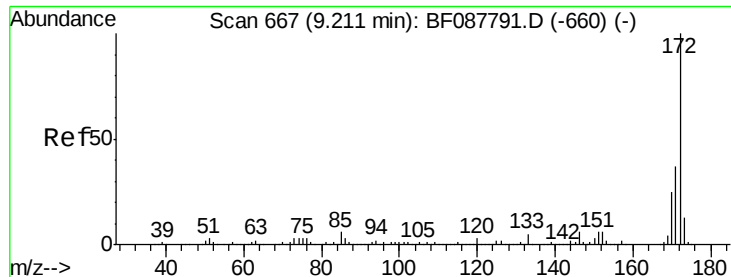


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

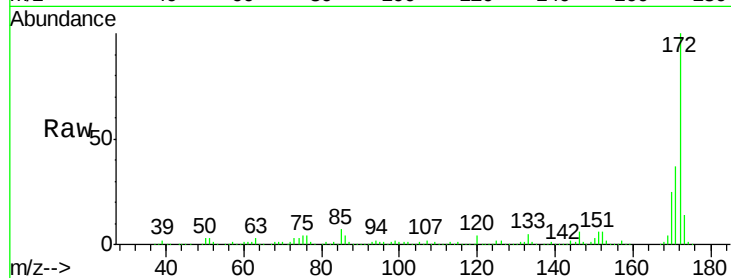




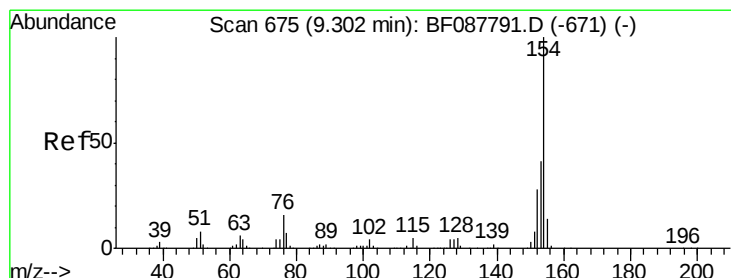
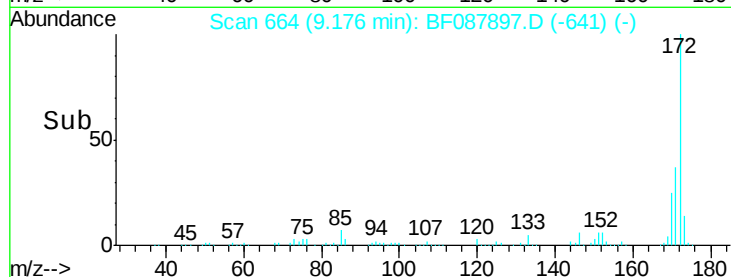
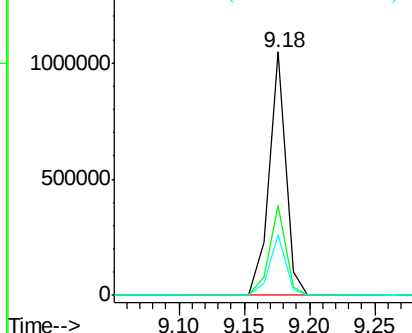
#44
 2-Fluorobiphenyl
 Concen: 97.07 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

Instrument :
 BNA_F
 ClientSampled :
 W-16

Tgt Ion:172 Resp: 946310
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 24.8 19.2 28.8

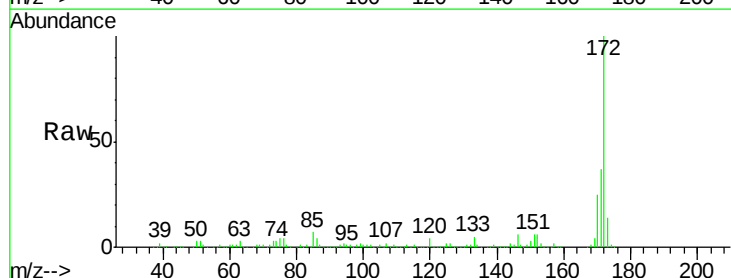


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

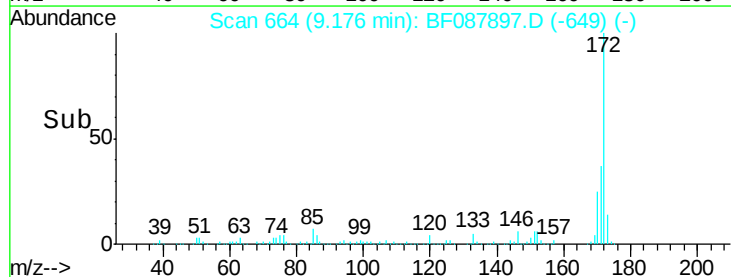
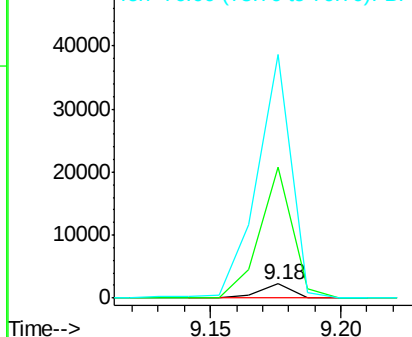


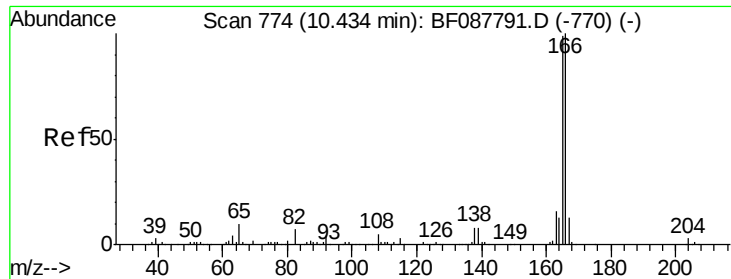
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.12 min
 Lab File: BF087897.D
 Acq: 11 Jun 2016 2:56

Tgt Ion:154 Resp: 1896
 Ion Ratio Lower Upper
 154 100
 153 919.4 20.6 60.6#
 76 1715.9 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#57

Fluorene

Concen: Below Cal

RT: 10.39 min Scan# 770

Delta R.T. -0.05 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

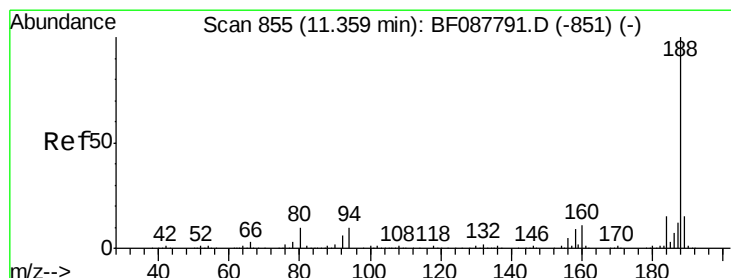
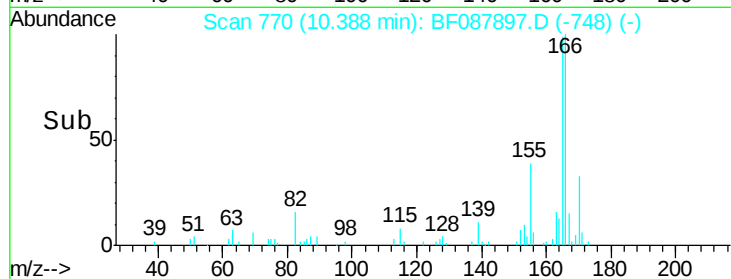
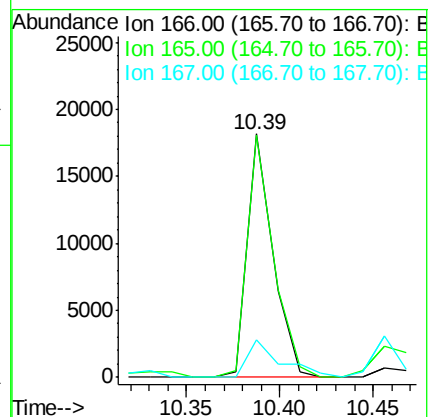
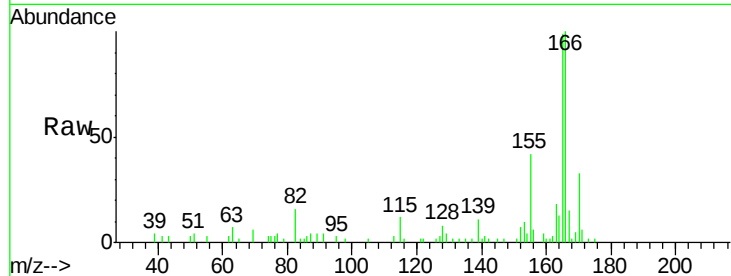
Tgt Ion:166 Resp: 17519

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.8

167 15.4 11.2 16.8



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

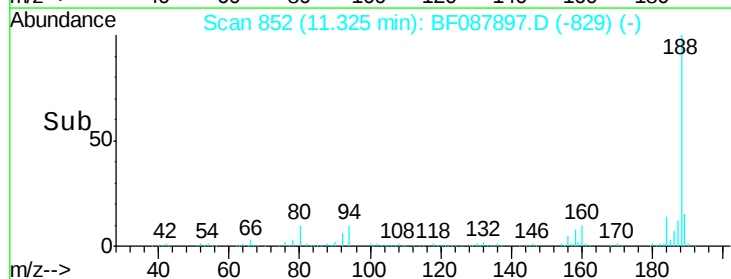
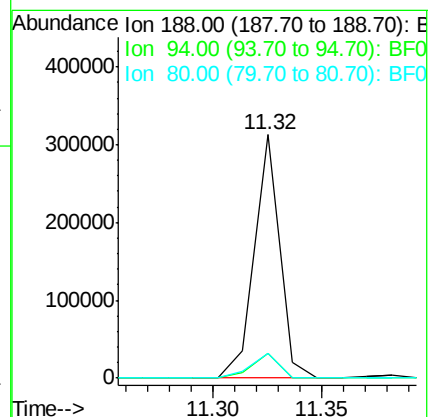
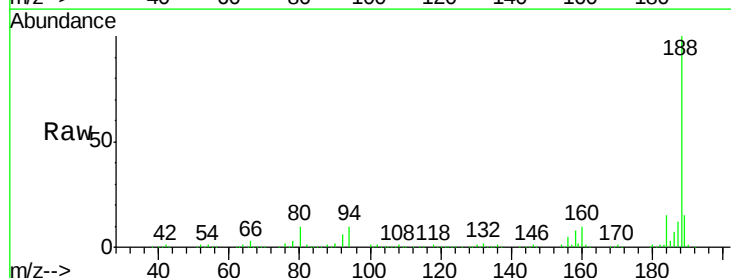
Tgt Ion:188 Resp: 253661

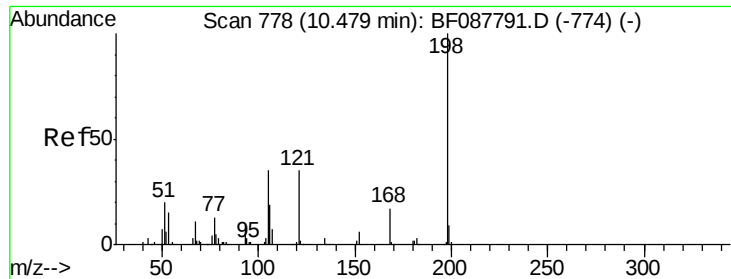
Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.6

80 10.1 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.31 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampled :

W-16

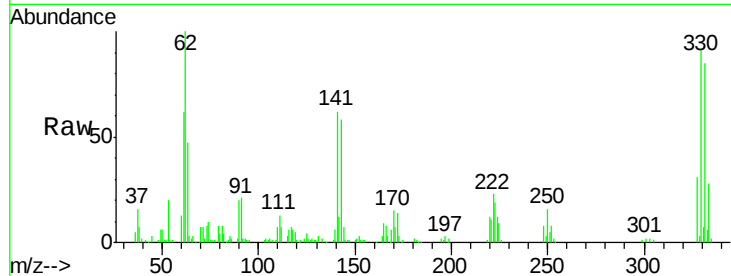
Tgt Ion:198 Resp: 239

Ion Ratio Lower Upper

198 100

51 256.7 39.6 79.6#

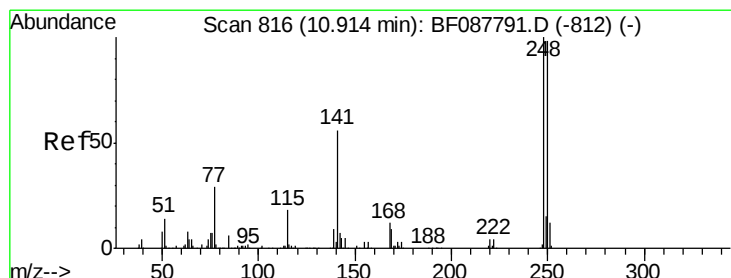
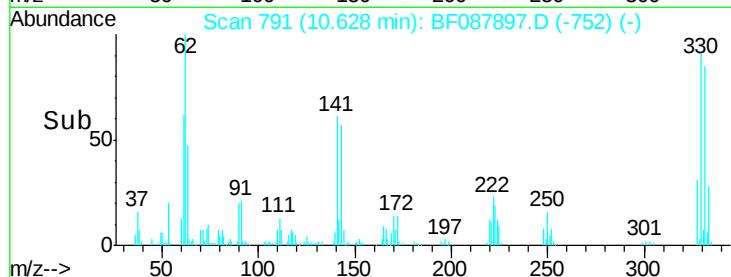
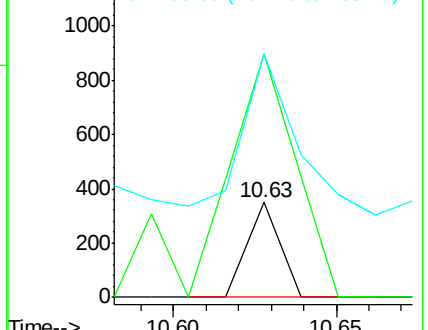
105 257.0 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.82 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

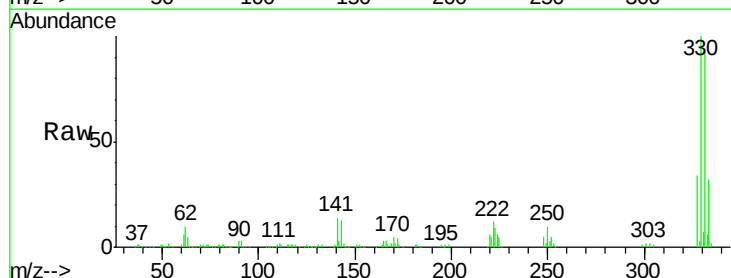
Tgt Ion:248 Resp: 10397

Ion Ratio Lower Upper

248 100

250 199.5 77.1 115.7#

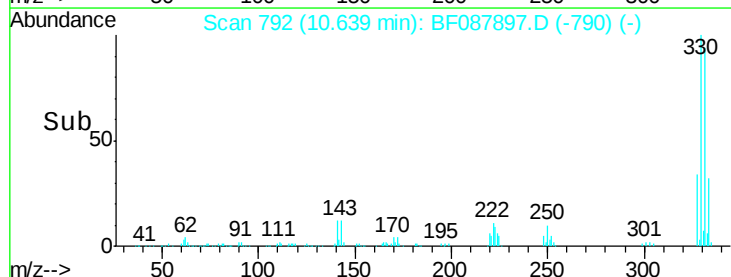
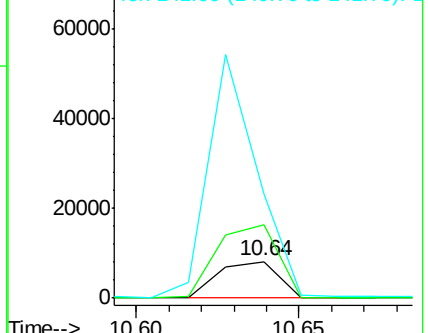
141 284.5 50.6 76.0#

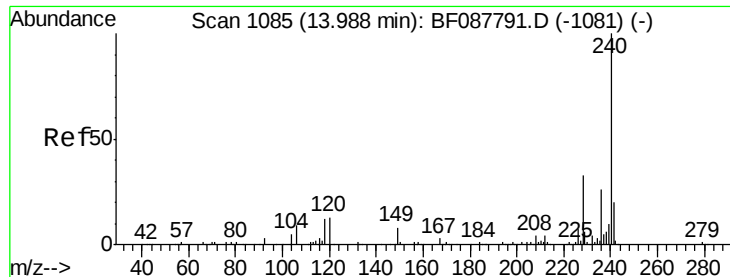


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

Instrument :

BNA_F

ClientSampleId :

W-16

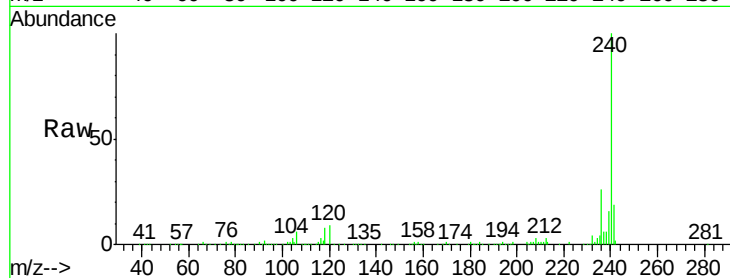
Tgt Ion:240 Resp: 220642

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

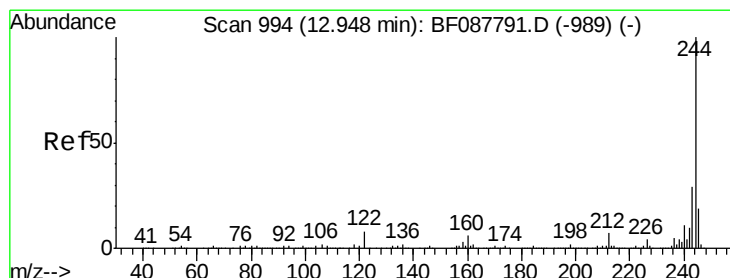
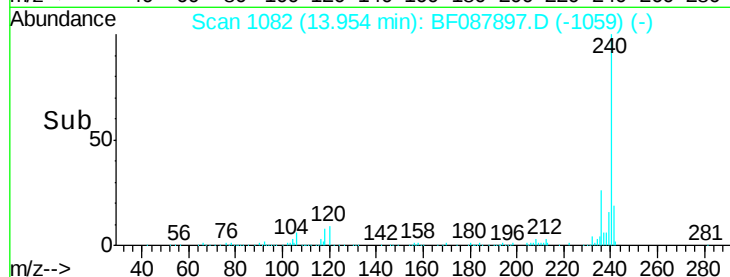
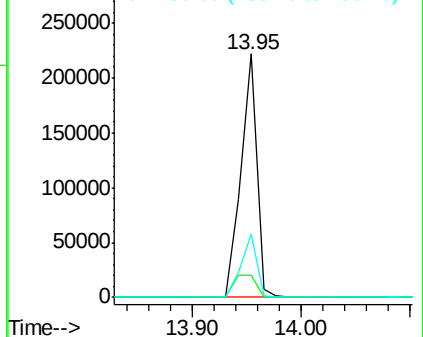
236 25.8 20.2 30.2



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: 81.68 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087897.D

Acq: 11 Jun 2016 2:56

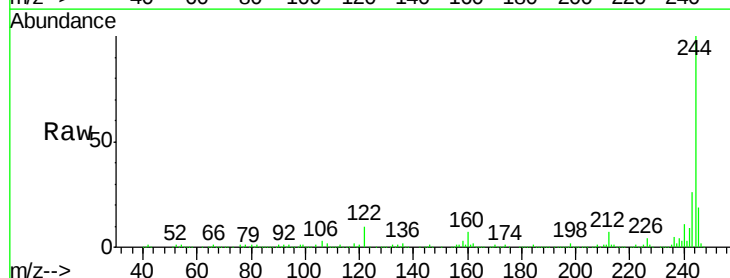
Tgt Ion:244 Resp: 791984

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

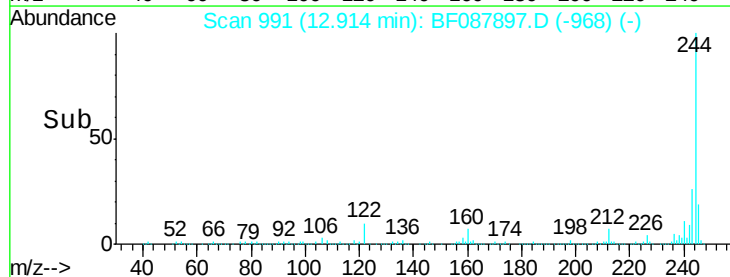
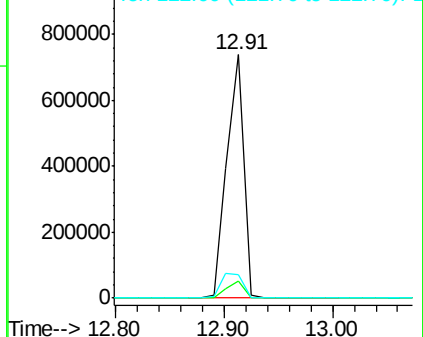
122 9.6 11.2 16.8#

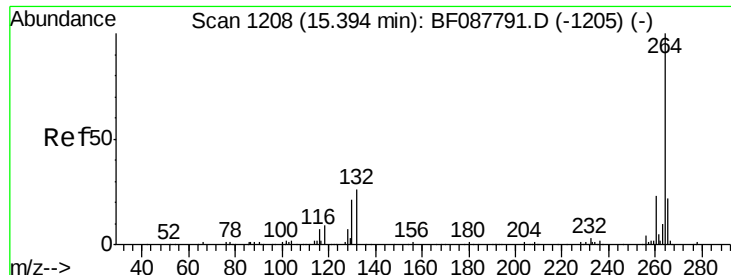


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

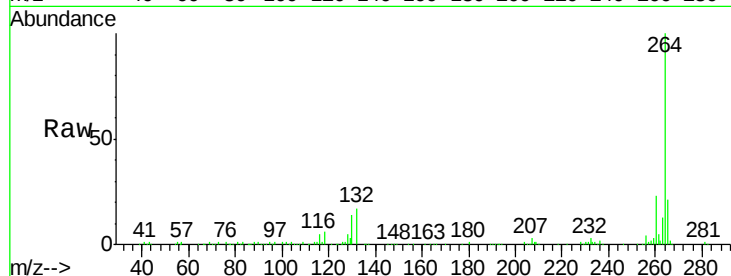




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087897.D
Acq: 11 Jun 2016 2:56

Instrument :
BNA_F
ClientSampleId :
W-16

Tgt Ion:	264	Resp:	161101
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.9	16.9	25.3



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

