

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087895.D
 Acq On : 11 Jun 2016 1:58
 Operator : UM/SJ
 Sample : H3440-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-17

Quant Time: Jun 11 03:44:28 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

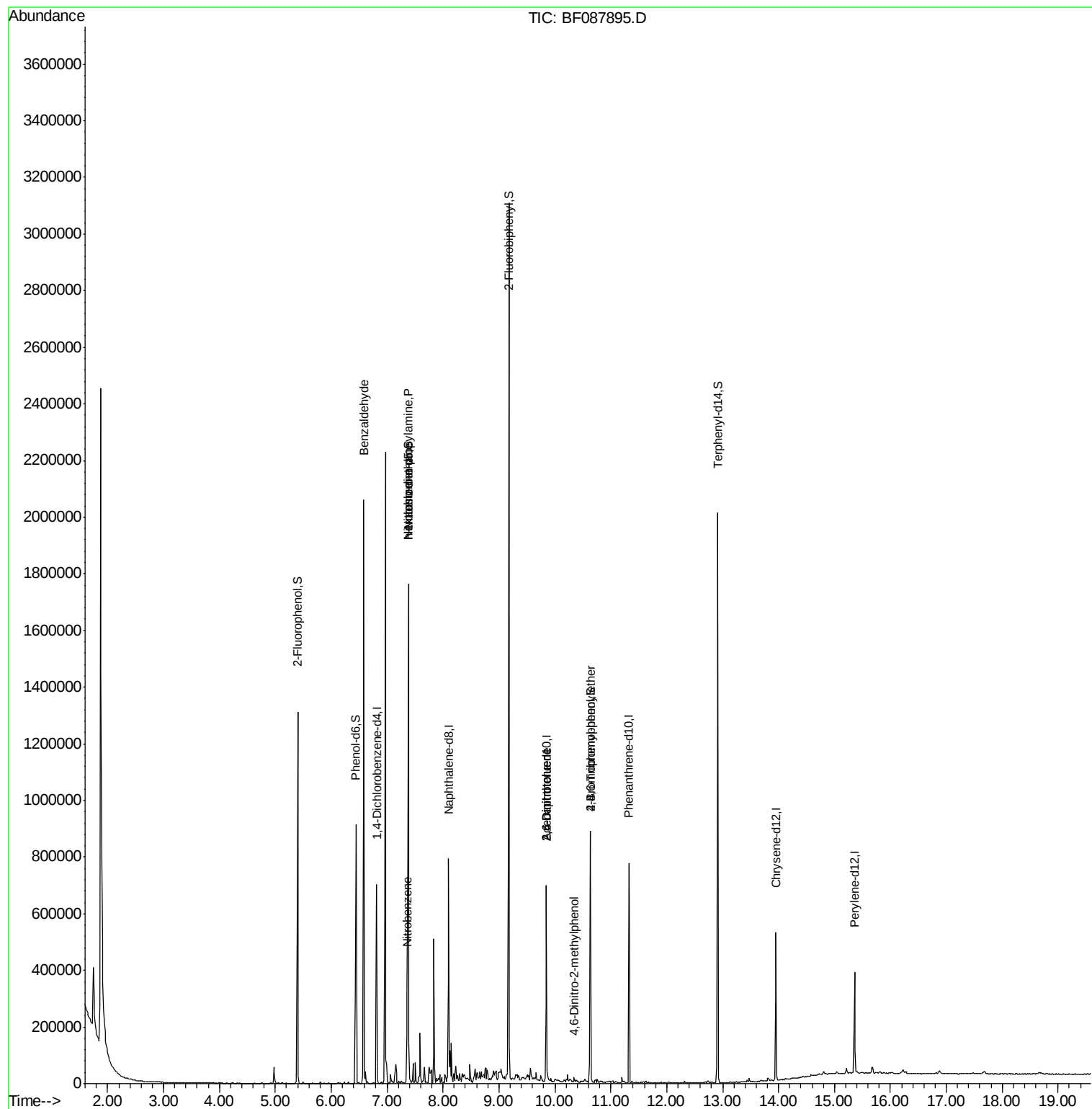
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	99137	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	374949	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	140651	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	245843	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	208176	20.00	ng	-0.03
86) Perylene-d12	15.36	264	151010	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	398539	68.73	ng	-0.02
7) Phenol-d6	6.44	99	329068	46.82	ng	-0.03
23) Nitrobenzene-d5	7.38	82	594027	92.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	161432	108.70	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	910928	102.91	ng	-0.03
78) Terphenyl-d14	12.91	244	782506	85.54	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.58	77	14291	2.86	ng	# 73
10) Phenol	6.46	94	926	Below Cal	#	29
18) Hexachloroethane	7.38	117	87783	33.35	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	78806	17.53	ng	# 70
24) Nitrobenzene	7.36	77	13419	2.16	ng	# 16
45) 1,1'-Biphenyl	9.18	154	1801	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.85	165	18435	7.90	ng	# 41
56) 2,4-Dinitrotoluene	9.85	165	18437	6.15	ng	# 39
57) Fluorene	10.39	166	1370	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.35	198	517	2.48	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	10204	3.87	ng	# 1

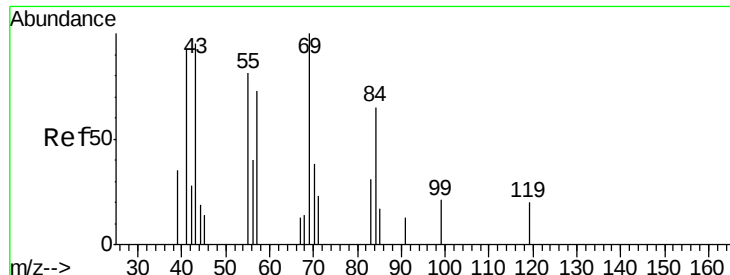
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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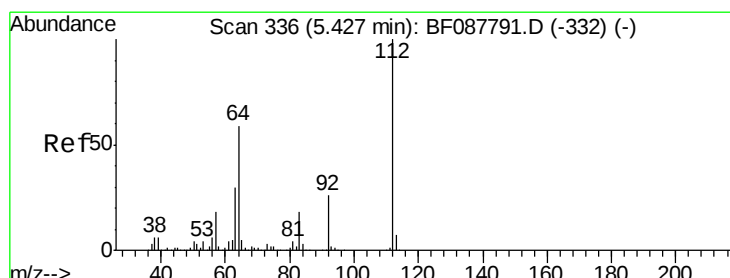
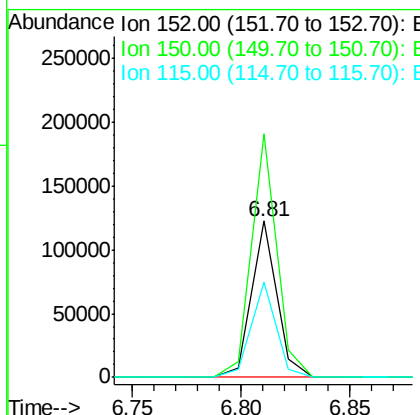
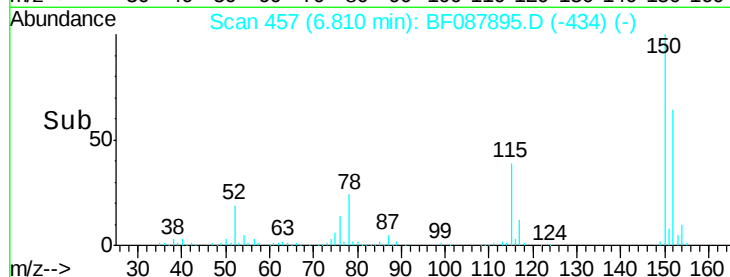
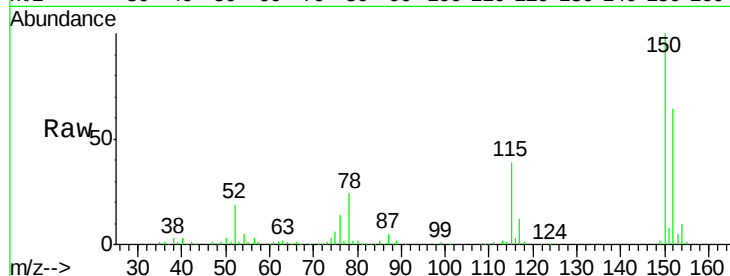




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

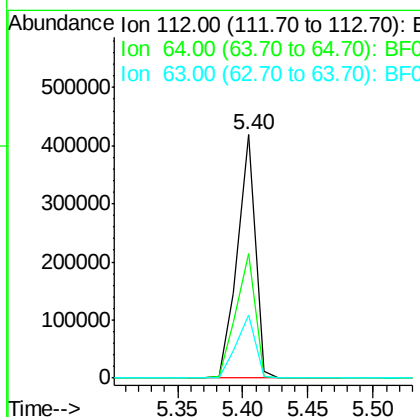
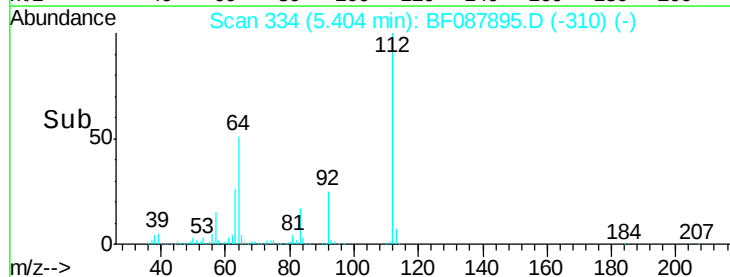
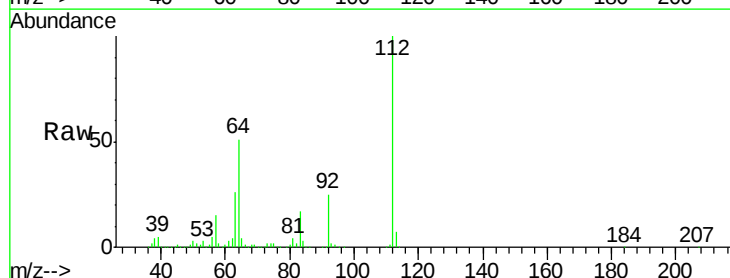
Instrument :
 BNA_F
 ClientSampleId :
 W-17

Tgt Ion:152 Resp: 99137
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.8 185.6
 115 60.9 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 68.73 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Tgt Ion:112 Resp: 398539
 Ion Ratio Lower Upper
 112 100
 64 51.3 42.2 63.2
 63 26.1 21.8 32.8





#7

Phenol-d6

Concen: 46.82 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

Instrument :

BNA_F

ClientSampleId :

W-17

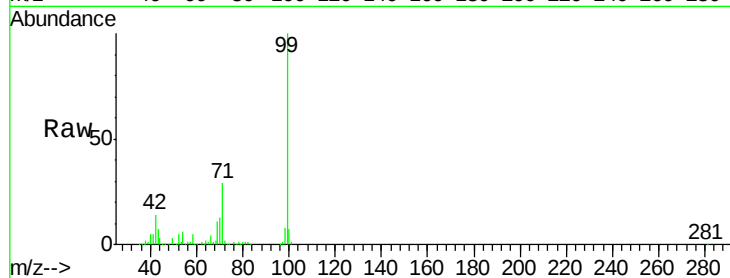
Tgt Ion: 99 Resp: 329068

Ion Ratio Lower Upper

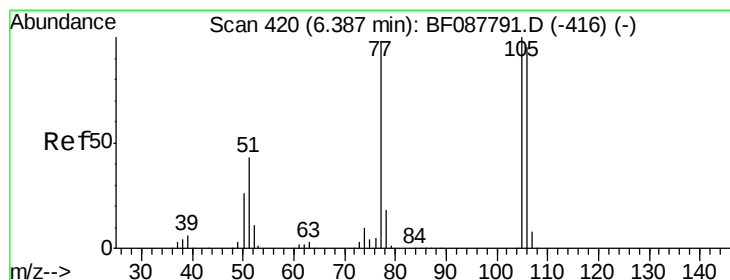
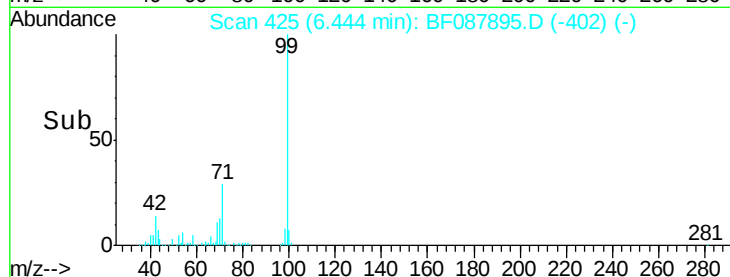
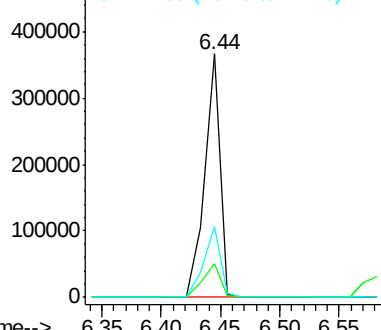
99 100

42 13.9 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



#9

Benzaldehyde

Concen: 2.86 ng

RT: 6.58 min Scan# 437

Delta R.T. 0.19 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

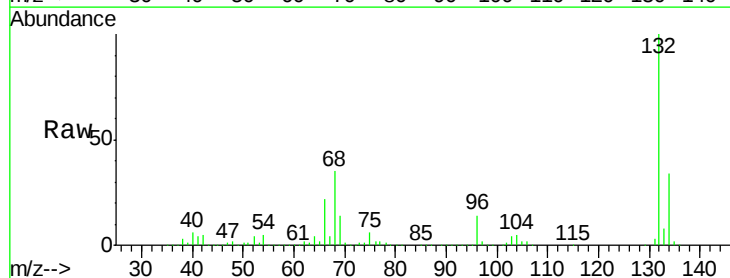
Tgt Ion: 77 Resp: 14291

Ion Ratio Lower Upper

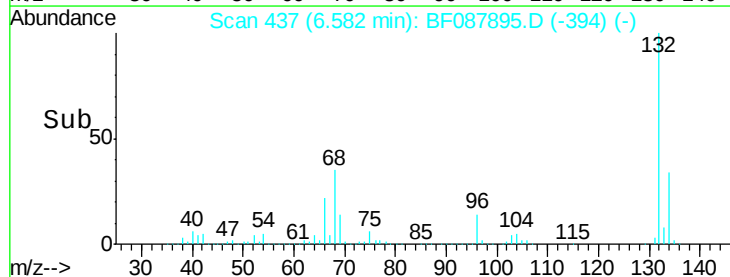
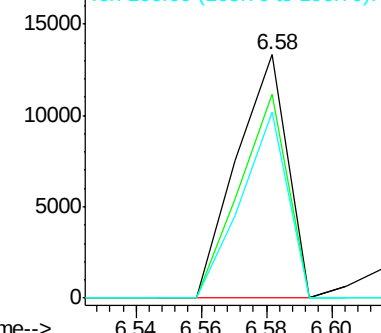
77 100

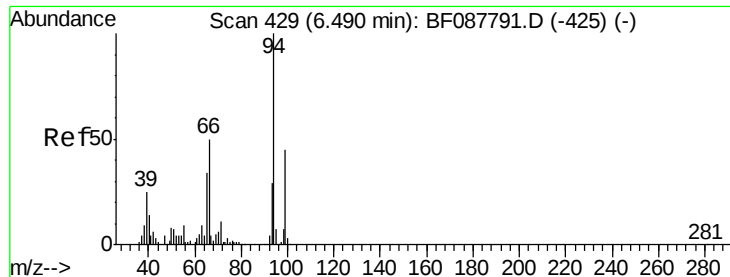
105 83.8 90.6 130.6#

106 76.5 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

Instrument :

BNA_F

ClientSampleId :

W-17

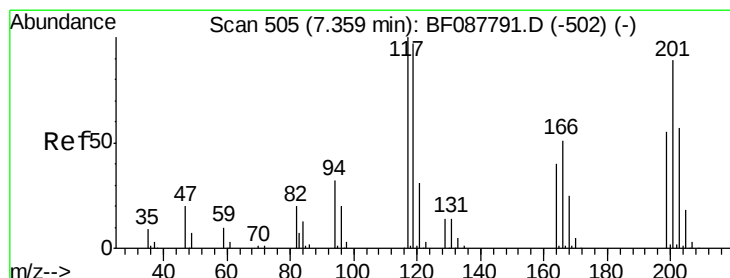
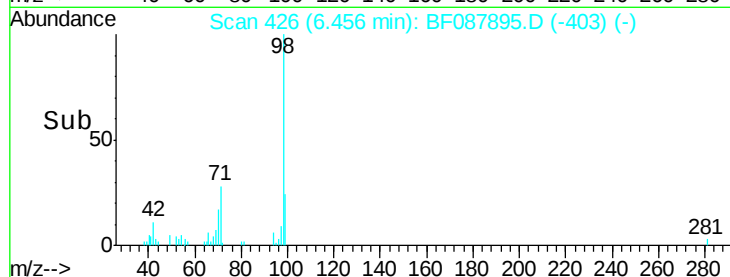
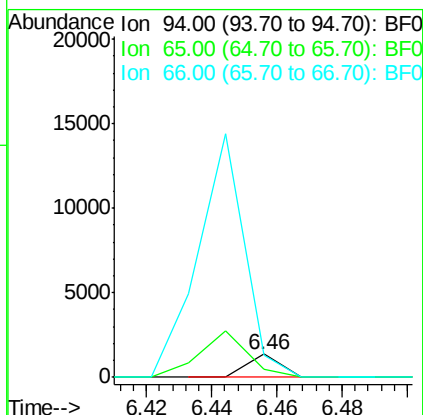
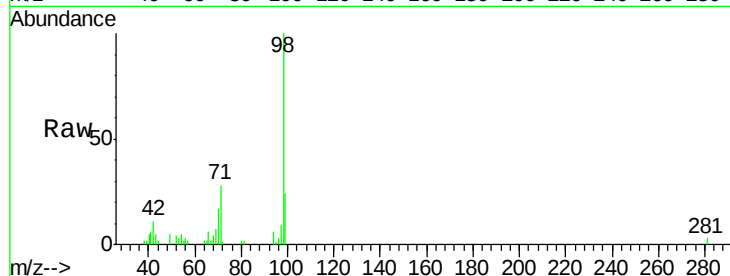
Tgt Ion: 94 Resp: 926

Ion Ratio Lower Upper

94 100

65 37.6 5.9 45.9

66 96.0 14.0 54.0#



#18

Hexachloroethane

Concen: 33.35 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.02 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

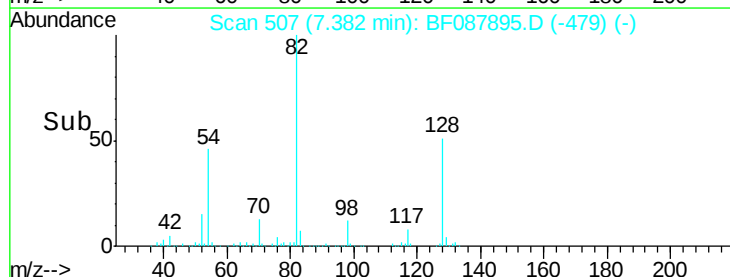
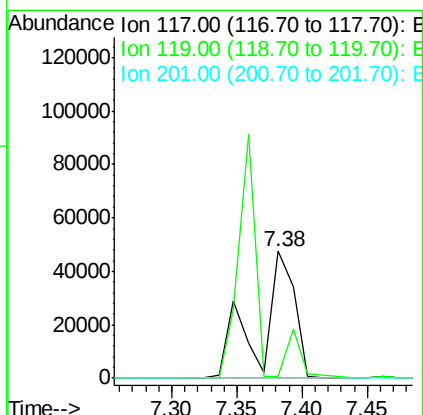
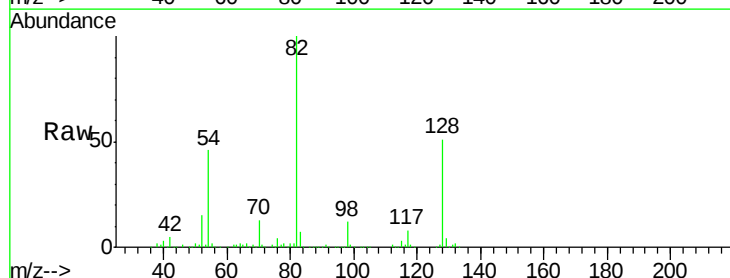
Tgt Ion: 117 Resp: 87783

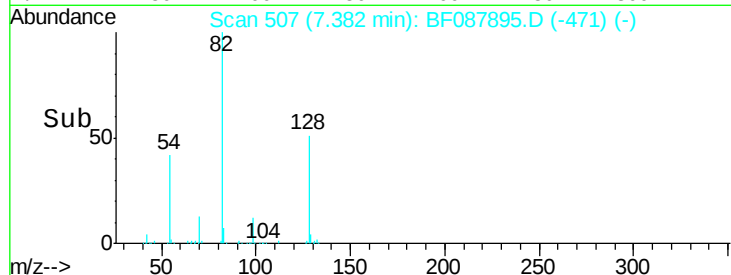
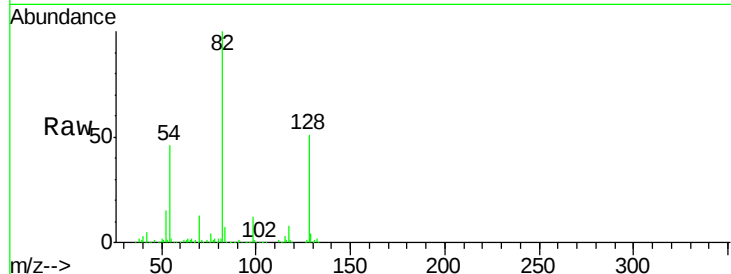
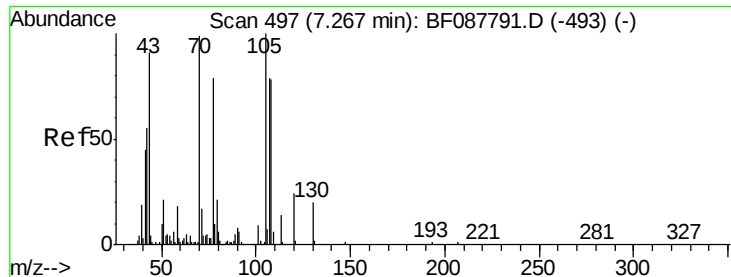
Ion Ratio Lower Upper

117 100

119 1.6 77.4 116.2#

201 0.0 80.4 120.6#

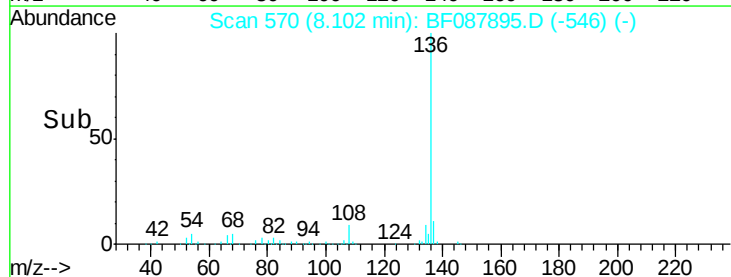
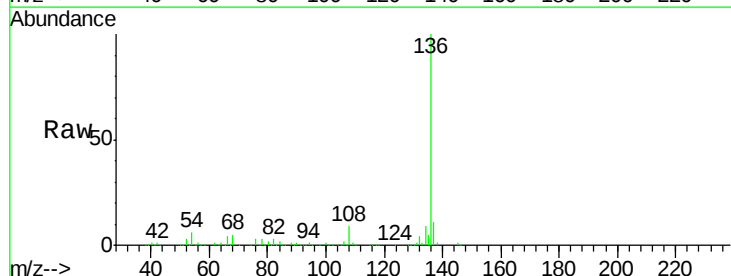
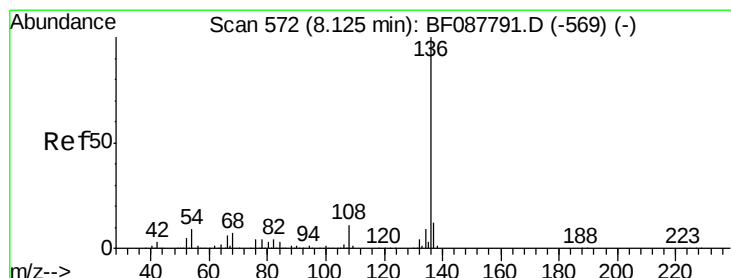
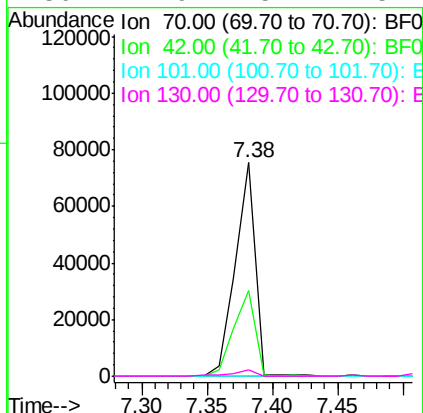




#19
n-Nitroso-di-n-propylamine
Concen: 17.53 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087895.D
Acq: 11 Jun 2016 1:58

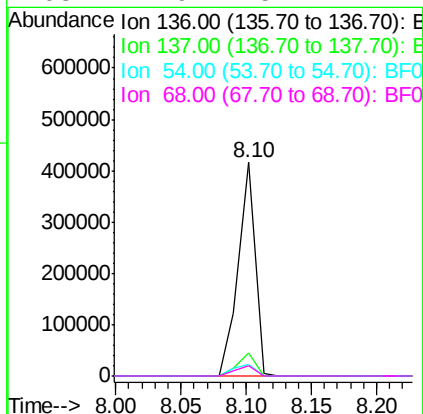
Instrument :
BNA_F
ClientSampleId :
W-17

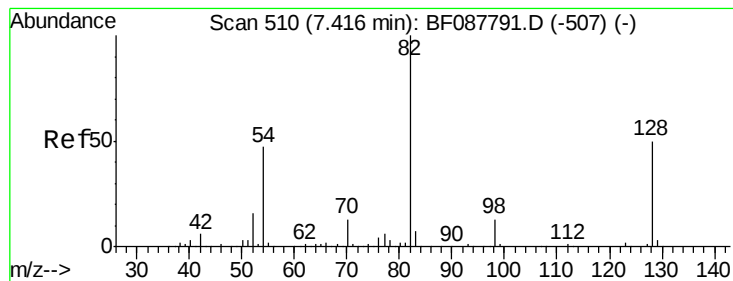
Tgt Ion:	70	Resp:	78806
Ion	Ratio	Lower	Upper
70	100		
42	40.3	49.6	74.4#
101	0.0	7.1	10.7#
130	2.9	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087895.D
Acq: 11 Jun 2016 1:58

Tgt Ion:	136	Resp:	374949
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.6	6.6	10.0#
68	4.9	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 92.51 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

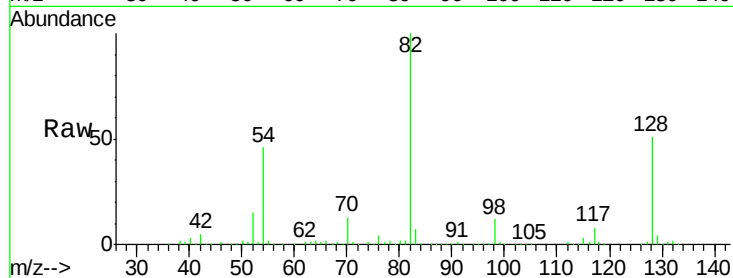
Instrument :

BNA_F

ClientSampleId :

W-17

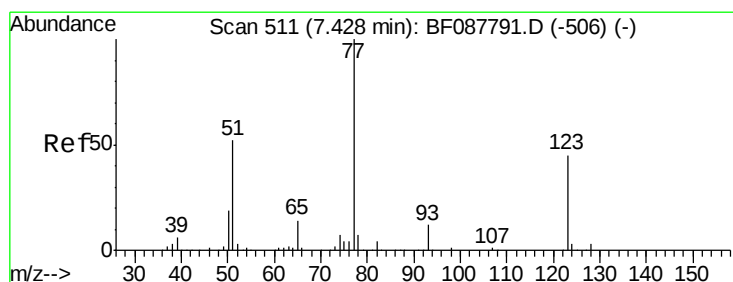
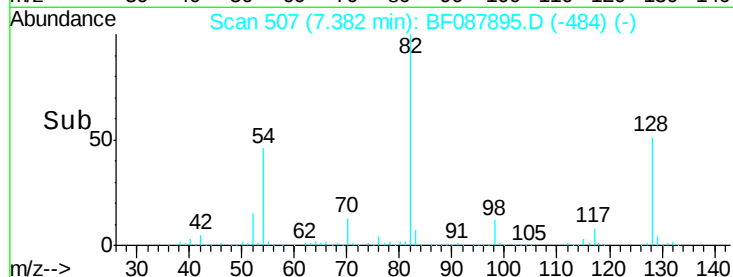
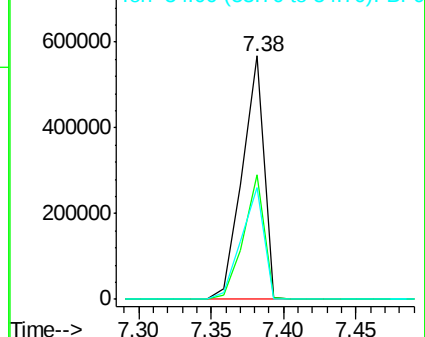
Tgt Ion:	82	Resp:	594027
Ion	Ratio	Lower	Upper
82	100		
128	51.0	35.9	53.9
54	45.9	40.9	61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.16 ng

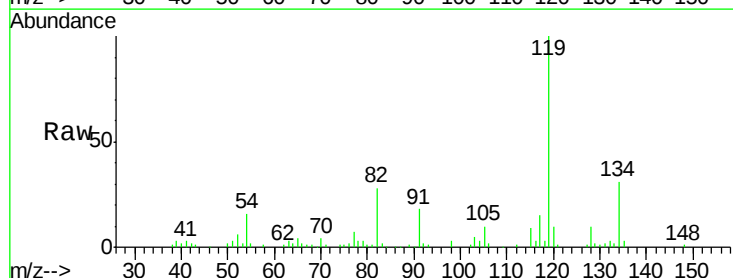
RT: 7.36 min Scan# 505

Delta R.T. -0.07 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

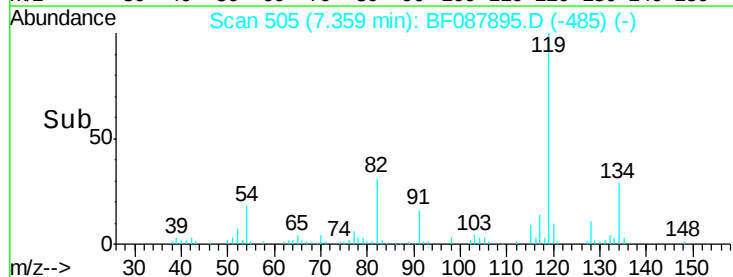
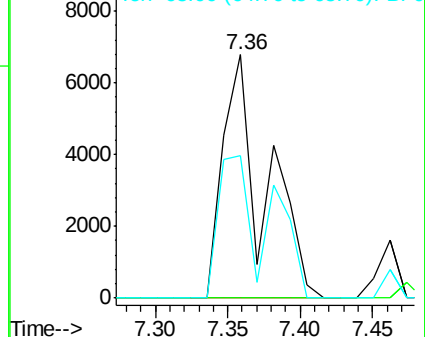
Tgt Ion:	77	Resp:	13419
Ion	Ratio	Lower	Upper
77	100		
123	0.0	45.0	67.4#
65	58.4	10.2	15.2#

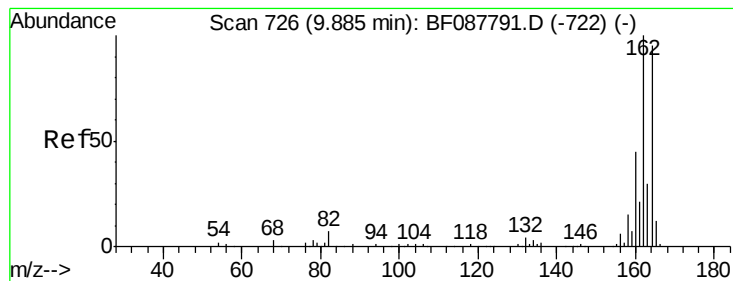


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

Instrument :

BNA_F

ClientSampleId :

W-17

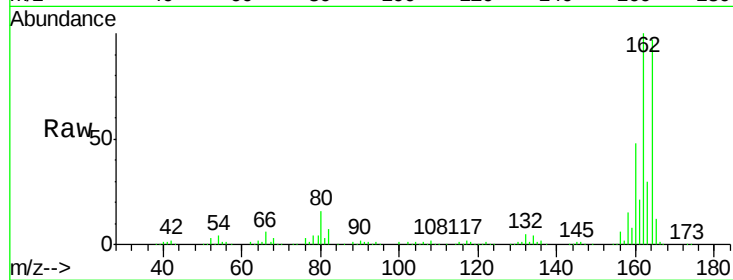
Tgt Ion:164 Resp: 140651

Ion Ratio Lower Upper

164 100

162 103.2 85.4 128.2

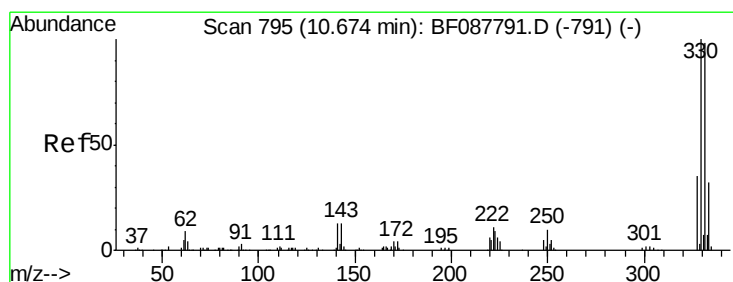
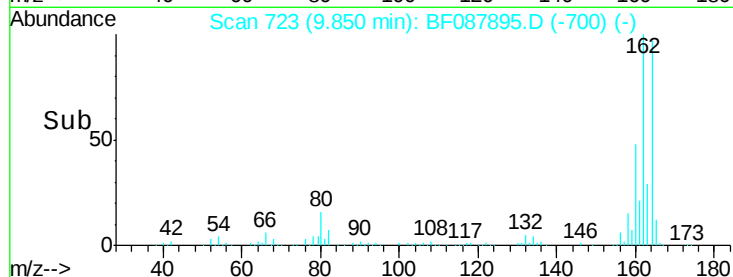
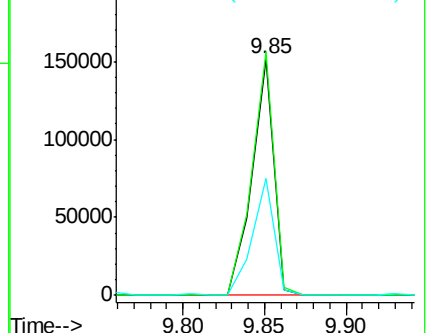
160 49.8 39.5 59.3



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: 108.70 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

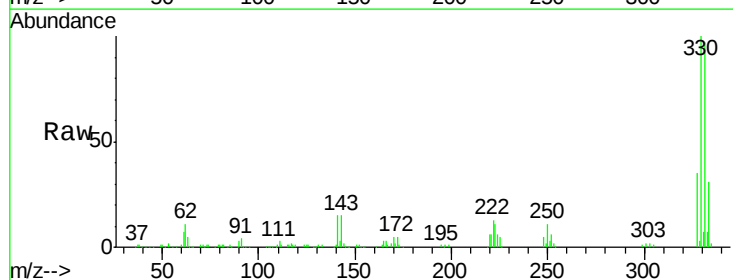
Tgt Ion:330 Resp: 161432

Ion Ratio Lower Upper

330 100

332 96.9 0.0 0.0#

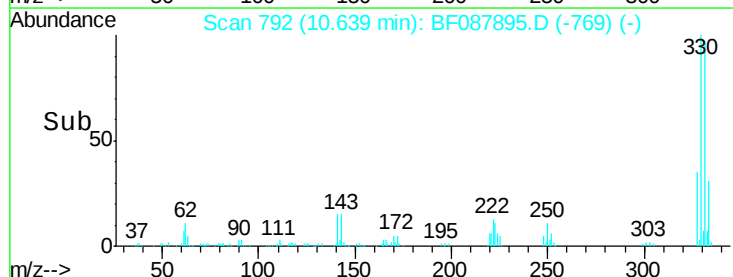
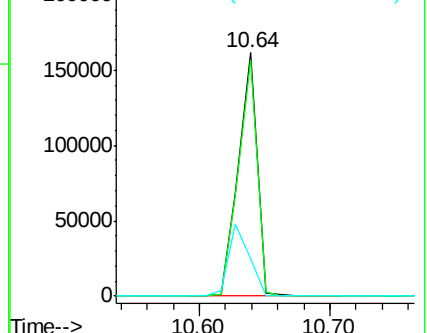
141 32.9 0.0 0.0#

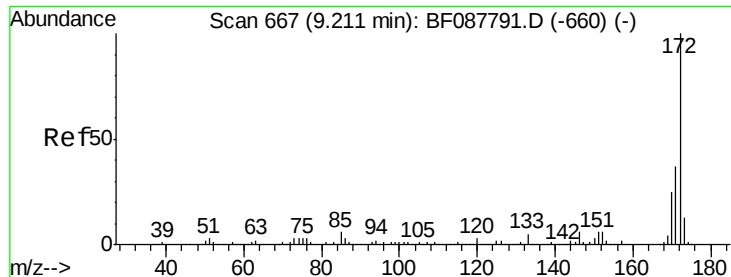


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

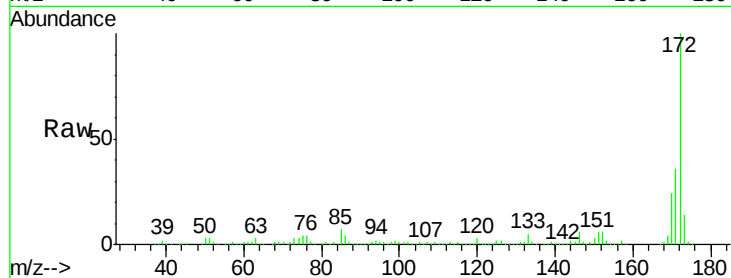




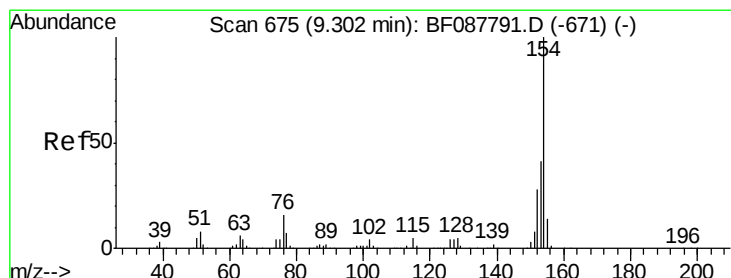
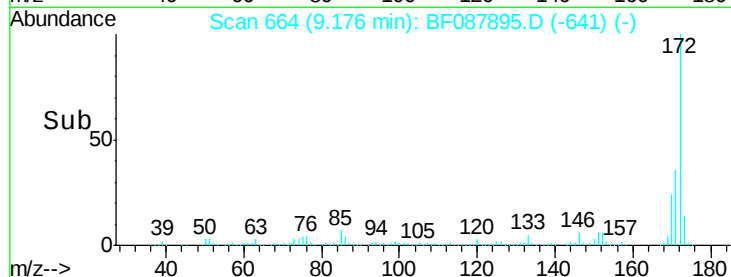
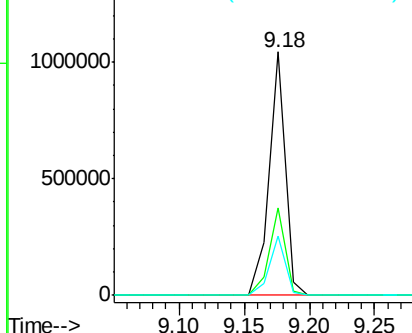
#44
 2-Fluorobiphenyl
 Concen: 102.91 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Instrument :
 BNA_F
 ClientSampleId :
 W-17

Tgt Ion:172 Resp: 910928
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.4 19.2 28.8

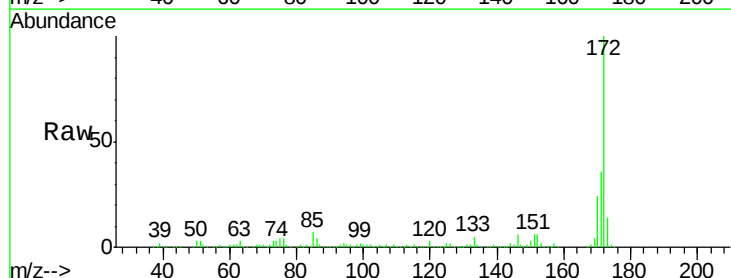


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

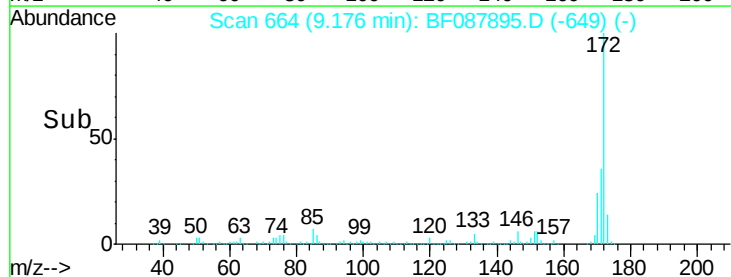
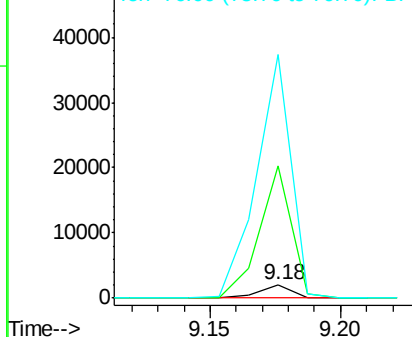


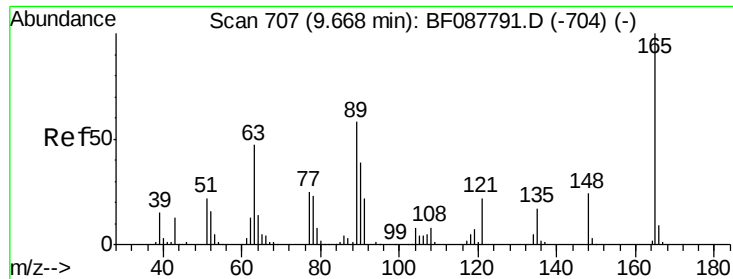
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.12 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Tgt Ion:154 Resp: 1801
 Ion Ratio Lower Upper
 154 100
 153 954.7 20.6 60.6#
 76 1761.9 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

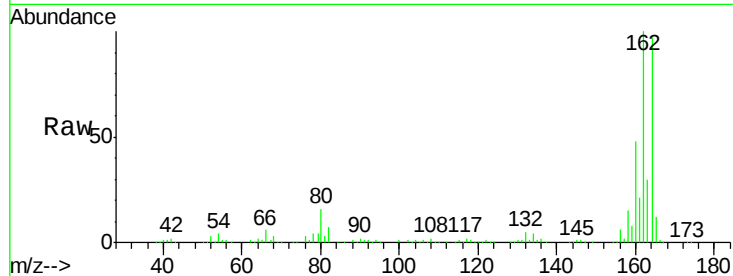




#50
2,6-Dinitrotoluene
Concen: 7.90 ng
RT: 9.85 min Scan# 723
Delta R.T. 0.18 min
Lab File: BF087895.D
Acq: 11 Jun 2016 1:58

Instrument :
BNA_F
ClientSampleId :
W-17

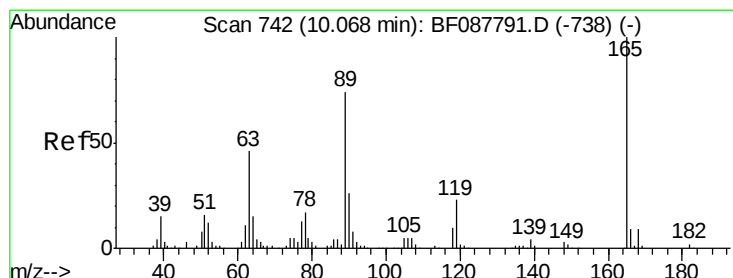
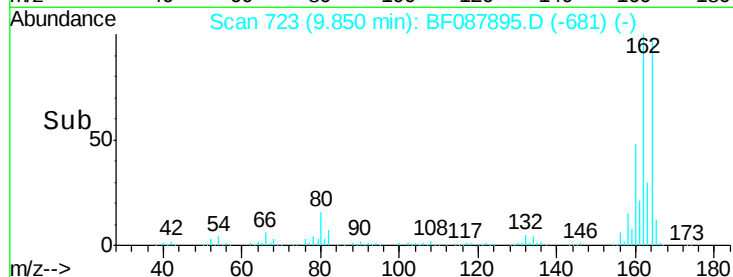
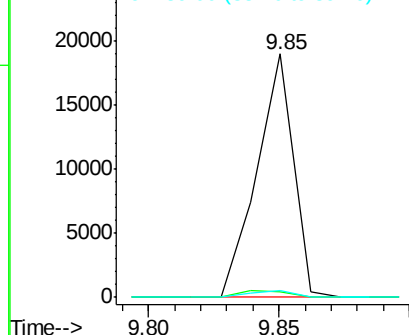
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	18435		
63	2.4	28.1	42.1#	
89	2.5	32.2	48.2#	



Abundance Ion 165.00 (164.70 to 165.70): E

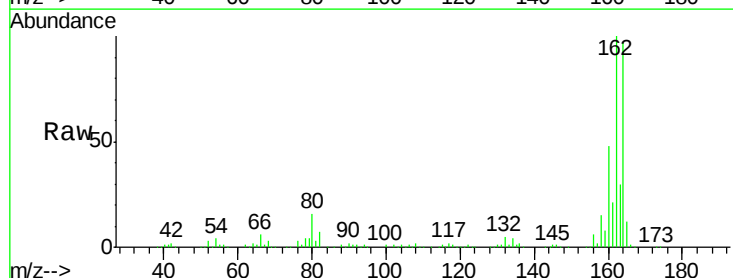
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087895.D
Acq: 11 Jun 2016 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	18437		
63	2.4	22.0	33.0#	
89	2.5	41.1	61.7#	
182	0.0	2.0	3.0#	

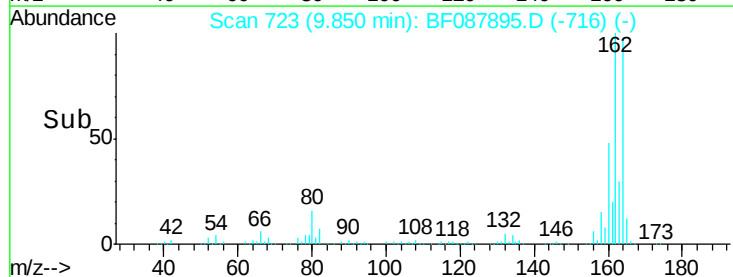
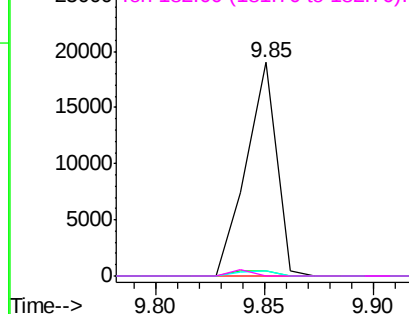


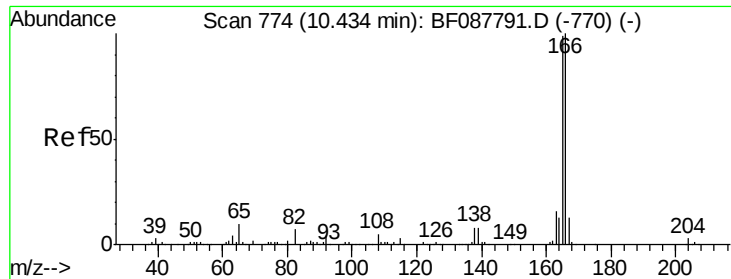
Abundance Ion 165.00 (164.70 to 165.70): E

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

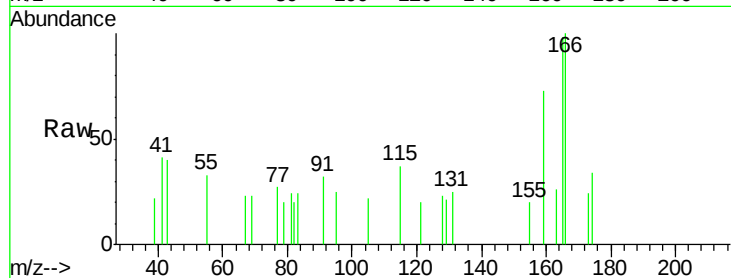




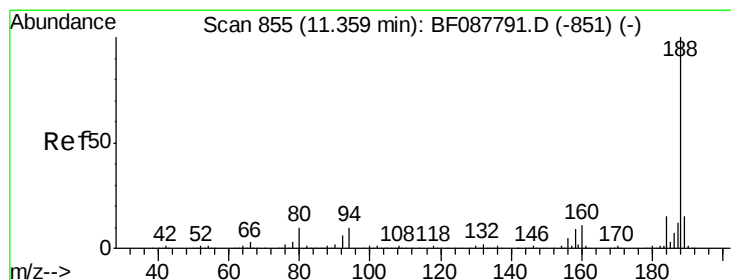
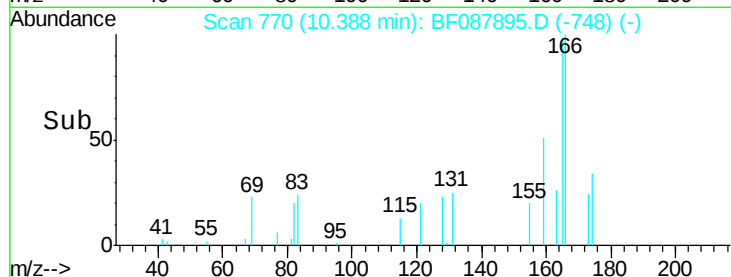
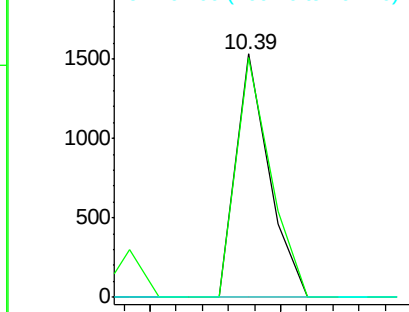
#57
Fluorene
 Concen: Below Cal
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Instrument :
 BNA_F
 ClientSampleId :
 W-17

Tgt Ion:166 Resp: 1370
 Ion Ratio Lower Upper
 166 100
 165 98.4 77.8 116.8
 167 0.0 11.2 16.8#

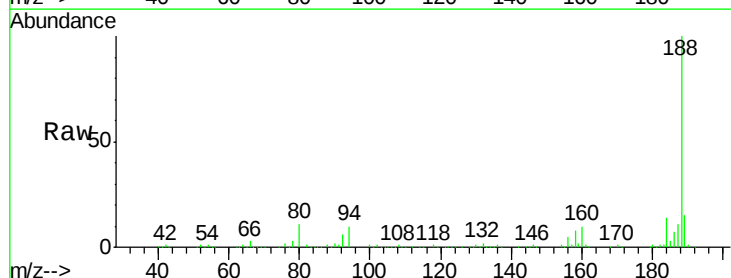


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

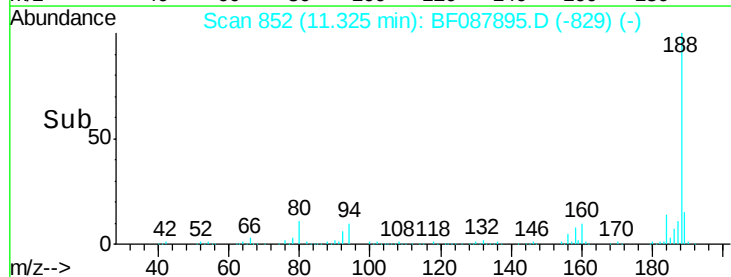
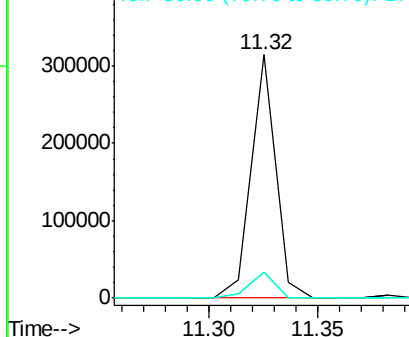


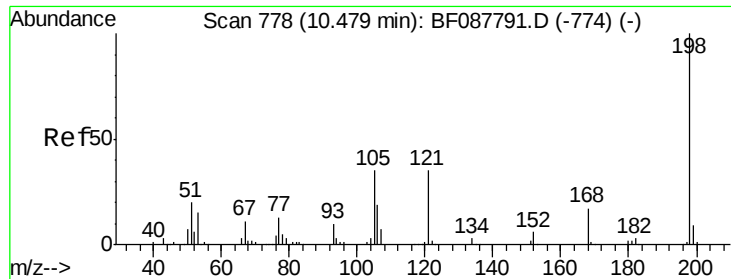
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Tgt Ion:188 Resp: 245843
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.0 13.6
 80 10.8 10.0 15.0



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

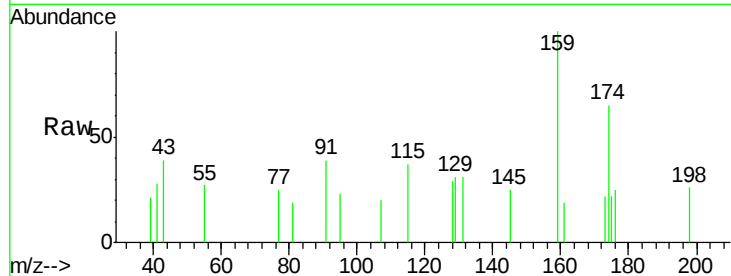




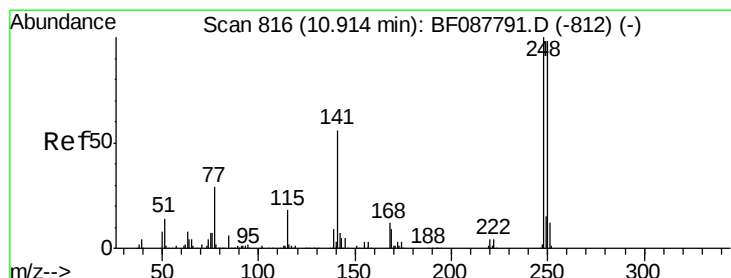
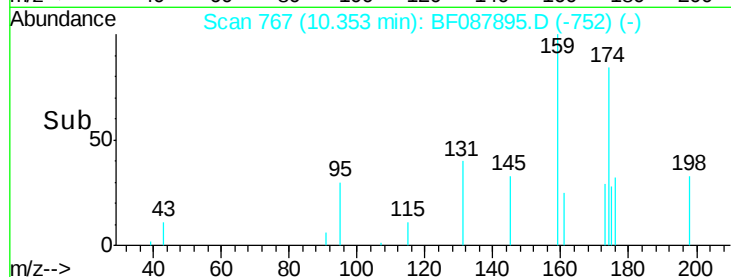
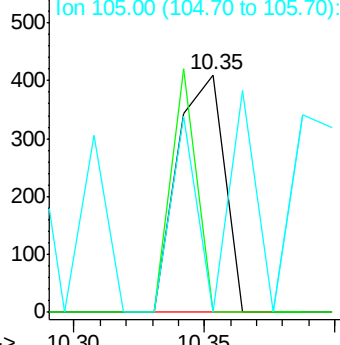
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.48 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.13 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Instrument :
 BNA_F
 ClientSampleId :
 W-17

Tgt Ion:198 Resp: 517
 Ion Ratio Lower Upper
 198 100
 51 0.0 39.6 79.6#
 105 0.0 36.6 76.6#

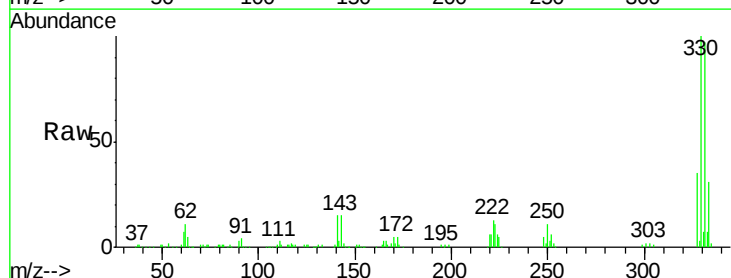


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

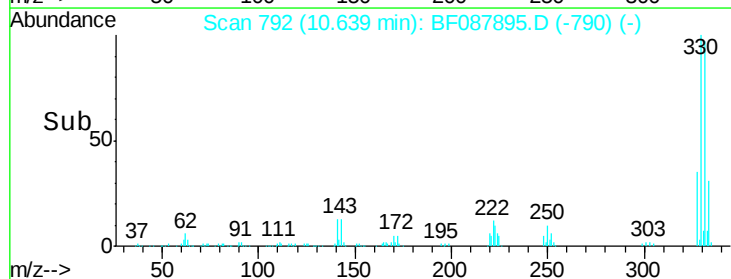
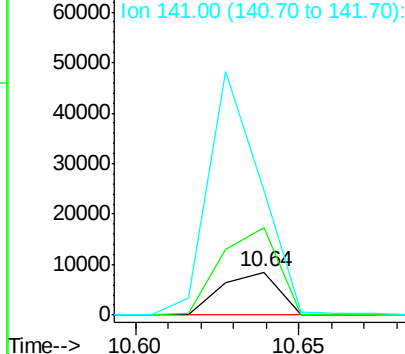


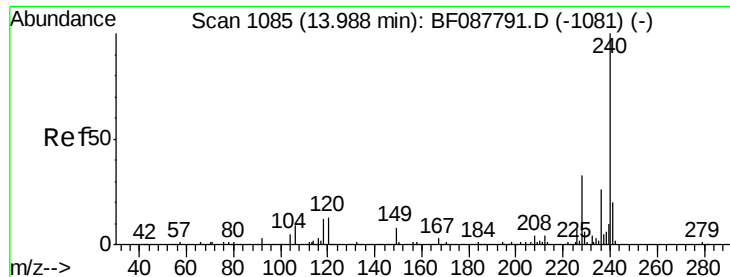
#66
 4-Bromophenyl-phenylether
 Concen: 3.87 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.27 min
 Lab File: BF087895.D
 Acq: 11 Jun 2016 1:58

Tgt Ion:248 Resp: 10204
 Ion Ratio Lower Upper
 248 100
 250 201.4 77.1 115.7#
 141 287.3 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: BF087895.D

Acq: 11 Jun 2016 1:58

Instrument :

BNA_F

ClientSampleId :

W-17

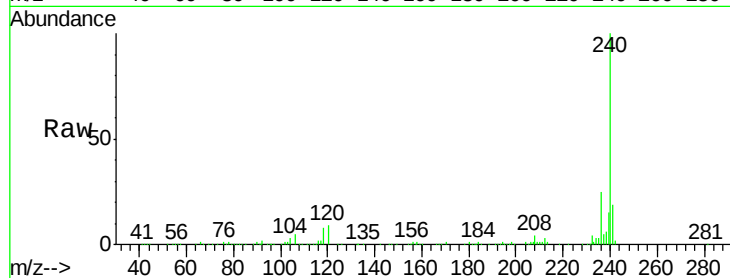
Tgt Ion:240 Resp: 208176

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

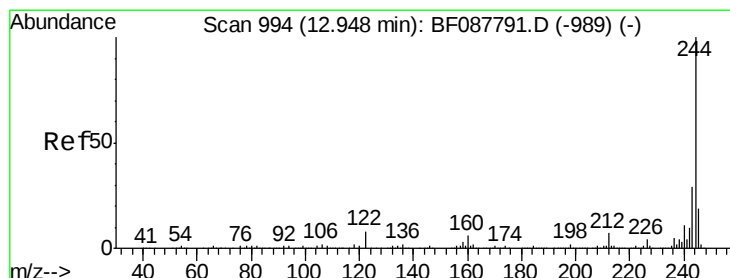
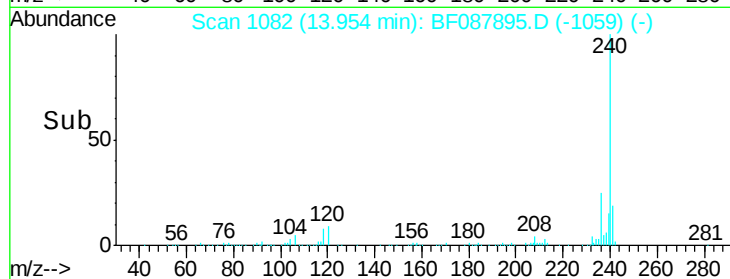
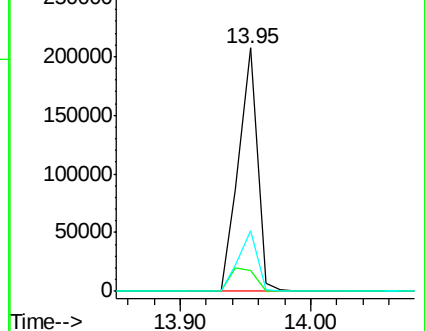
236 25.0 20.2 30.2



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: 85.54 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087895.D

Acq: 11 Jun 2016 1:58

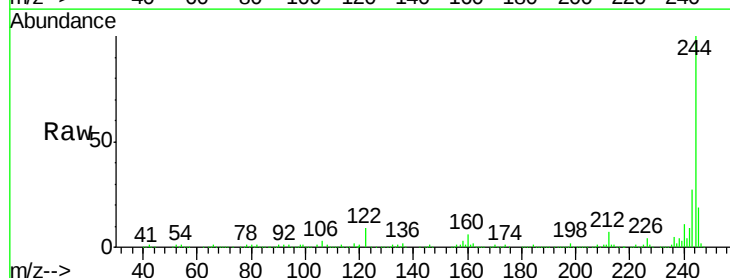
Tgt Ion:244 Resp: 782506

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

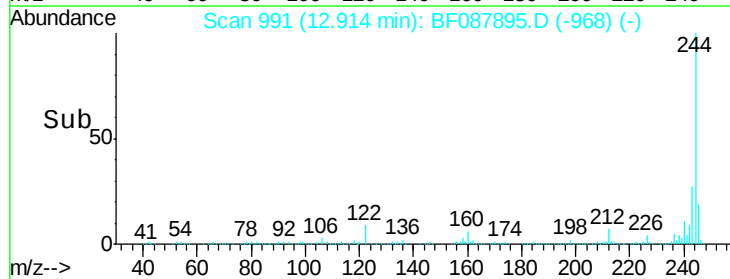
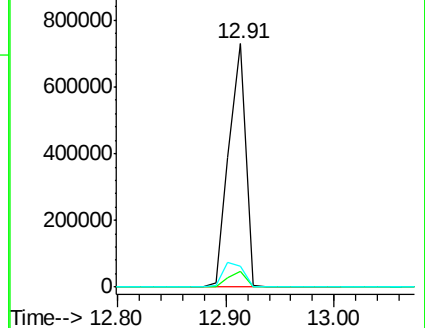
122 8.7 11.2 16.8#

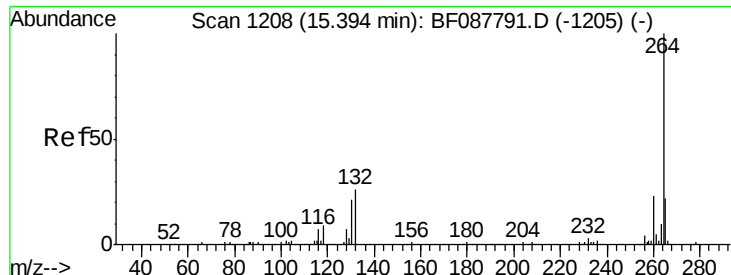


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

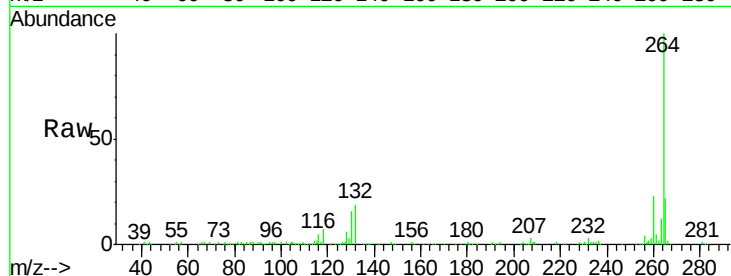




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087895.D
Acq: 11 Jun 2016 1:58

Instrument :
BNA_F
ClientSampleId :
W-17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	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

