

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087896.D
 Acq On : 11 Jun 2016 2:27
 Operator : UM/SJ
 Sample : H3440-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

Quant Time: Jun 11 03:44:42 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

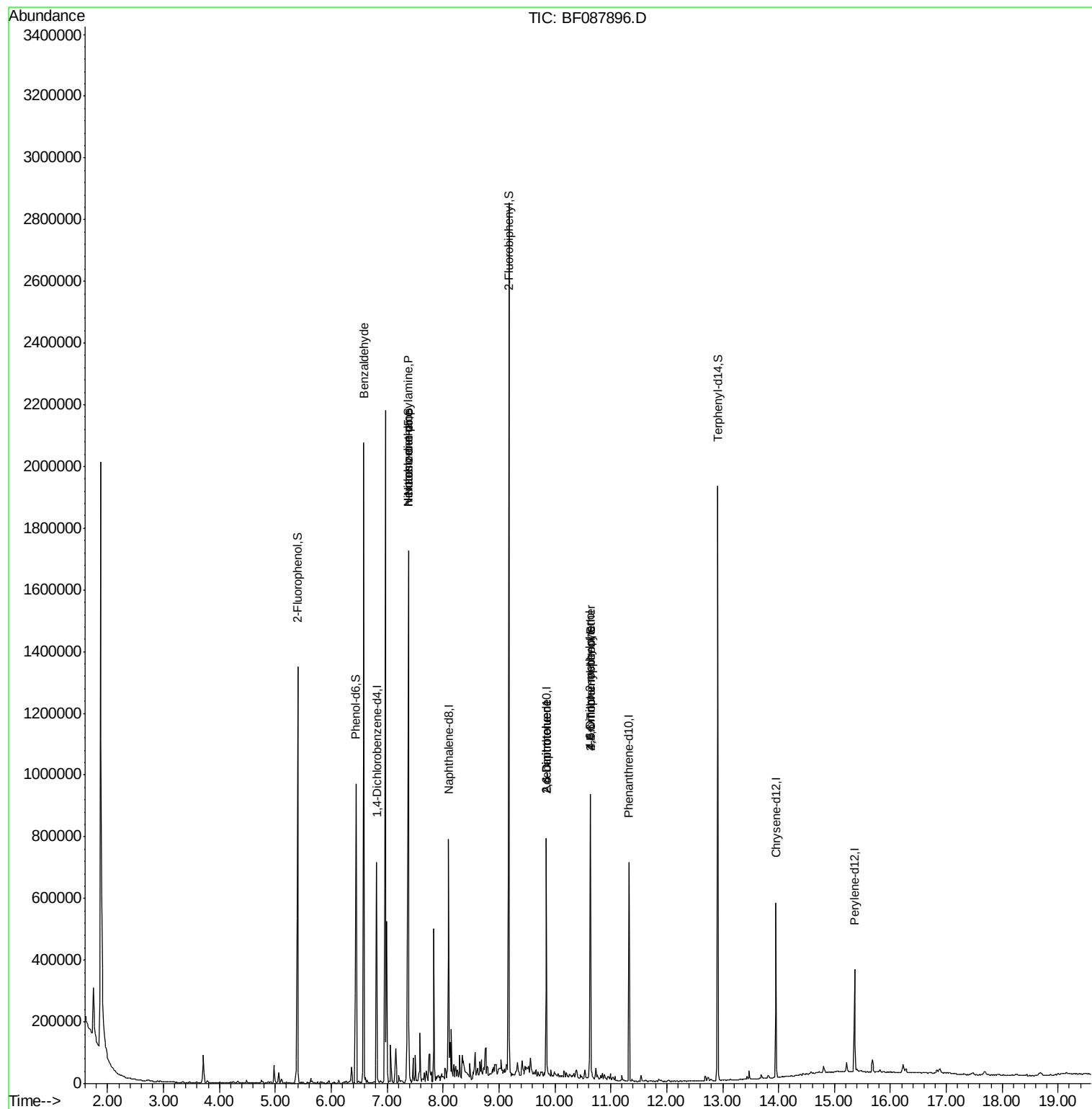
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	99829	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	370472	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	153125	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	231143	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	200539	20.00	ng	-0.03
86) Perylene-d12	15.36	264	140433	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	397670	68.10	ng	-0.02
7) Phenol-d6	6.44	99	336163	47.50	ng	-0.03
23) Nitrobenzene-d5	7.38	82	588707	92.79	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	178388	110.33	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	827302	84.86	ng	-0.03
78) Terphenyl-d14	12.91	244	723146	82.06	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.58	77	14505	2.87	ng	# 76
10) Phenol	6.46	94	350	Below Cal	#	1
18) Hexachloroethane	7.38	117	92105	34.75	ng	# 2
19) n-Nitroso-di-n-propylamine	7.38	70	78900	17.43	ng	# 71
45) 1,1'-Biphenyl	9.18	154	1620	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.85	165	19945	7.85	ng	# 42
56) 2,4-Dinitrotoluene	9.85	165	19946	6.11	ng	# 40
57) Fluorene	10.39	166	1085	Below Cal	#	93
64) 4,6-Dinitro-2-methylphenol	10.63	198	457	2.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11107	4.48	ng	# 1

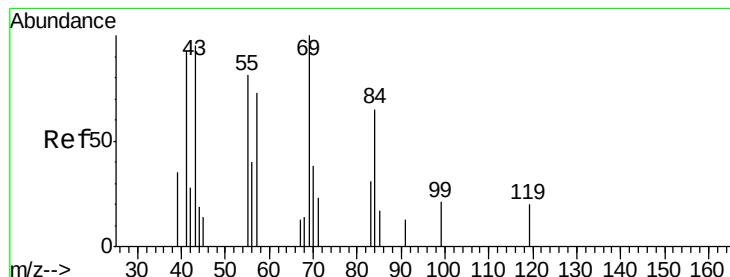
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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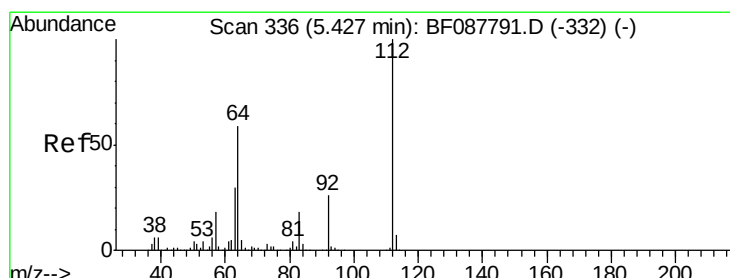
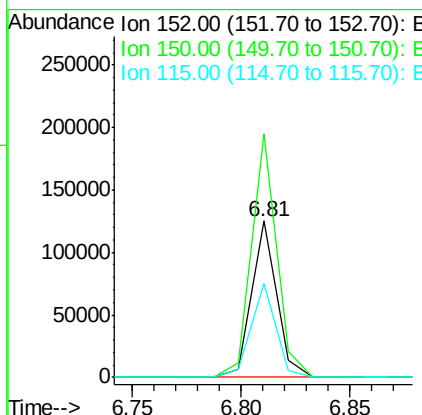
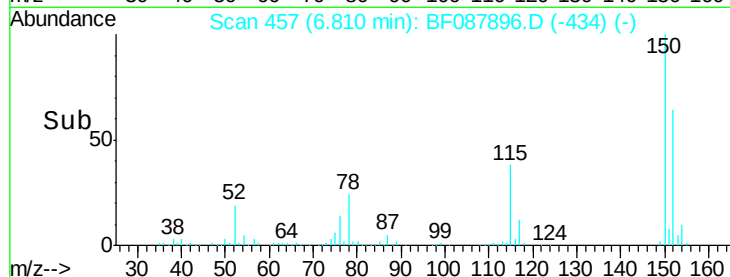
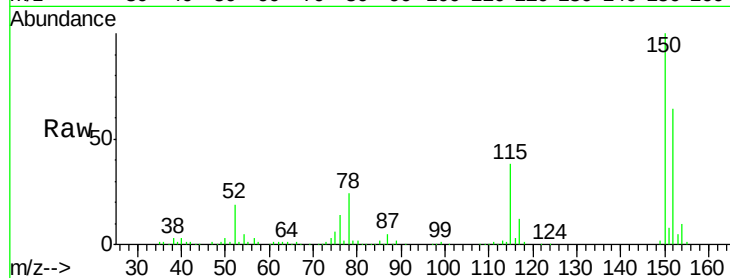




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

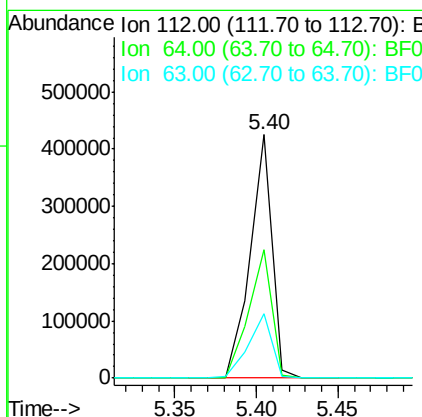
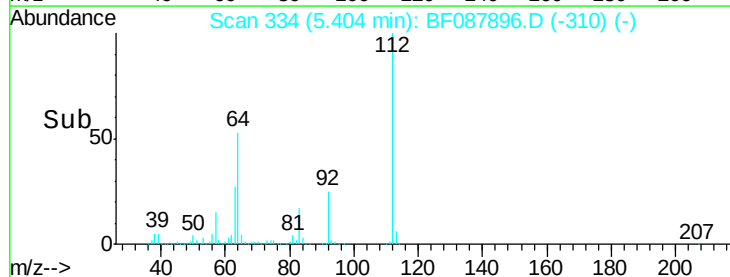
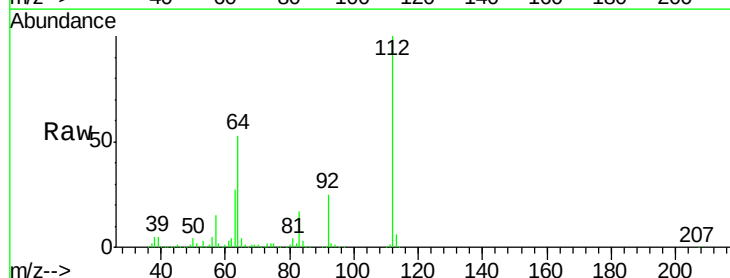
Instrument :
 BNA_F
 ClientSampleId :
 PW-01

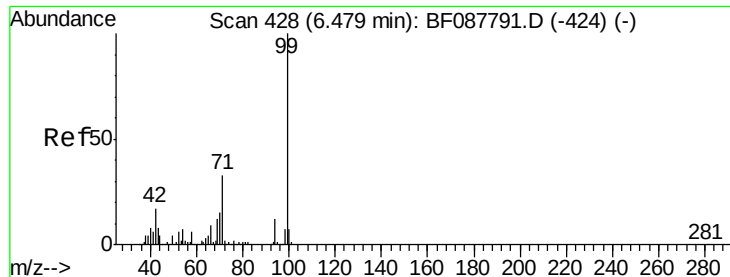
Tgt Ion:152 Resp: 99829
 Ion Ratio Lower Upper
 152 100
 150 156.1 123.8 185.6
 115 59.9 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 68.10 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Tgt Ion:112 Resp: 397670
 Ion Ratio Lower Upper
 112 100
 64 52.7 42.2 63.2
 63 26.7 21.8 32.8





#7

Phenol-d6

Concen: 47.50 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087896.D

Acq: 11 Jun 2016 2:27

Instrument :

BNA_F

ClientSampled :

PW-01

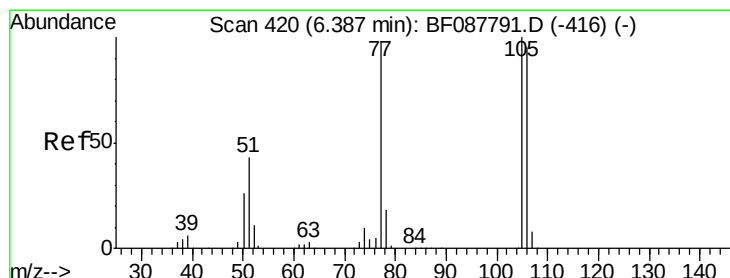
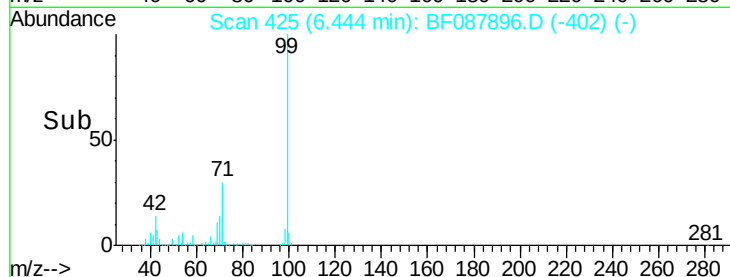
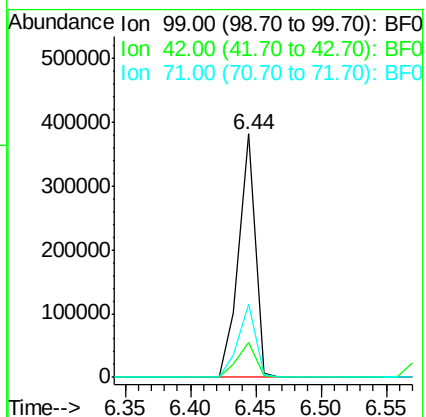
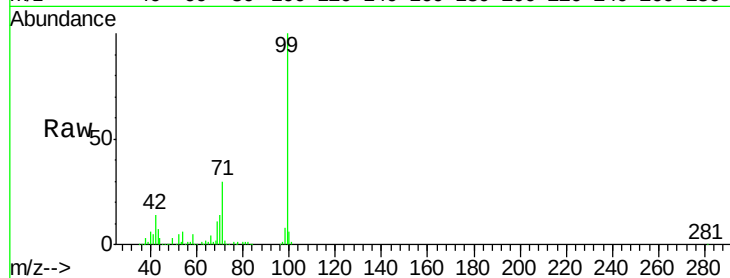
Tgt Ion: 99 Resp: 336163

Ion Ratio Lower Upper

99 100

42 14.3 12.2 18.2

71 30.4 23.4 35.0



#9

Benzaldehyde

Concen: 2.87 ng

RT: 6.58 min Scan# 437

Delta R.T. 0.19 min

Lab File: BF087896.D

Acq: 11 Jun 2016 2:27

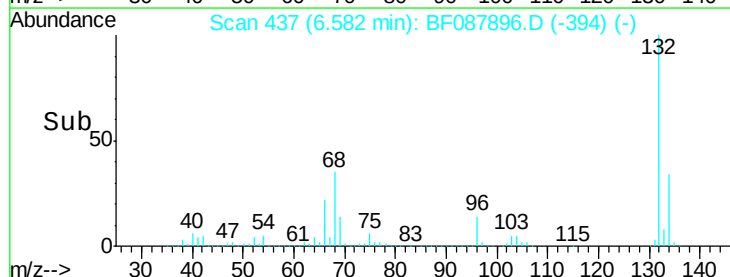
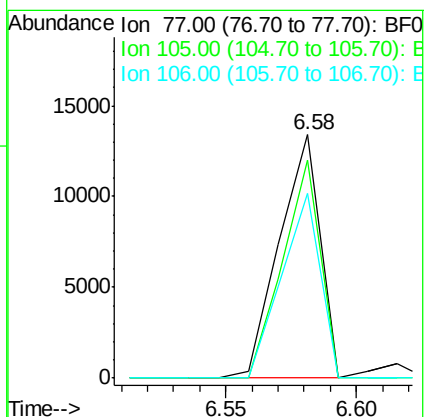
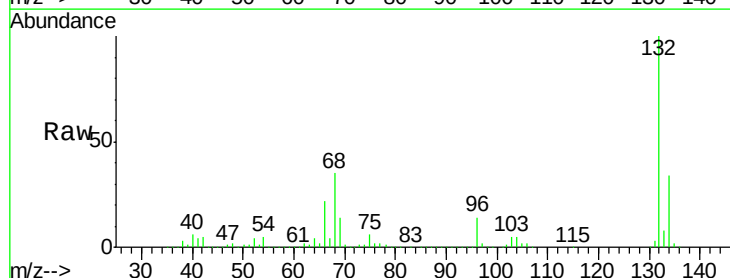
Tgt Ion: 77 Resp: 14505

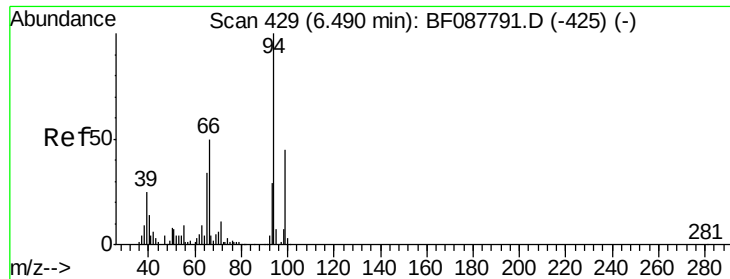
Ion Ratio Lower Upper

77 100

105 89.3 90.6 130.6#

106 76.1 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087896.D

Acq: 11 Jun 2016 2:27

Instrument :

BNA_F

ClientSampleId :

PW-01

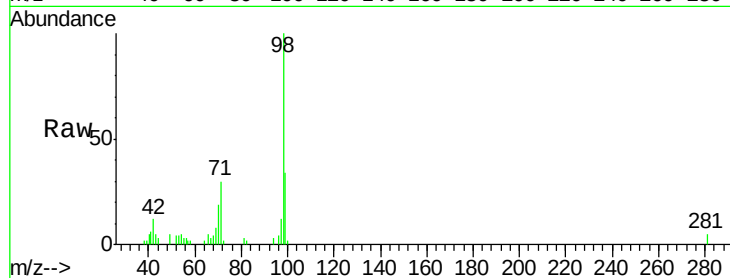
Tgt Ion: 94 Resp: 350

Ion Ratio Lower Upper

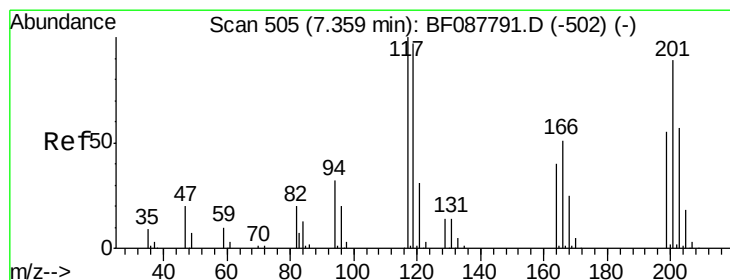
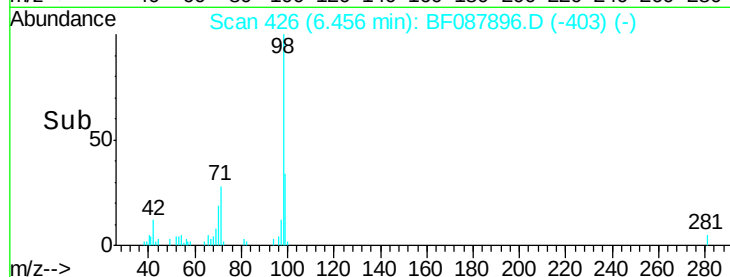
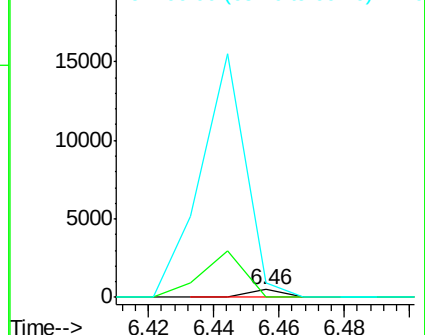
94 100

65 0.0 5.9 45.9#

66 174.8 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



#18

Hexachloroethane

Concen: 34.75 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.02 min

Lab File: BF087896.D

Acq: 11 Jun 2016 2:27

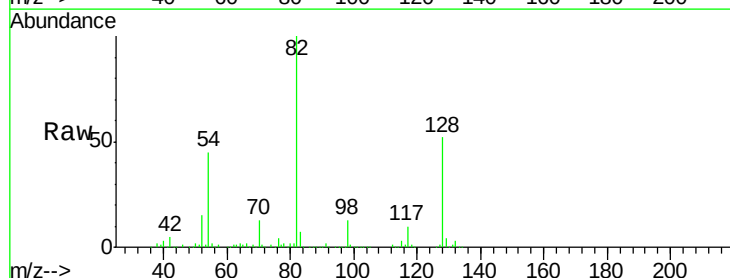
Tgt Ion: 117 Resp: 92105

Ion Ratio Lower Upper

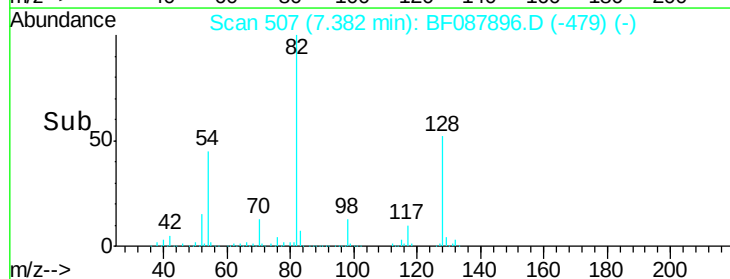
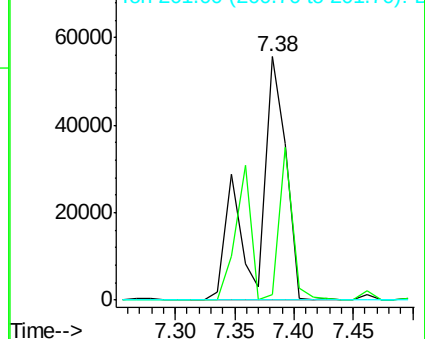
117 100

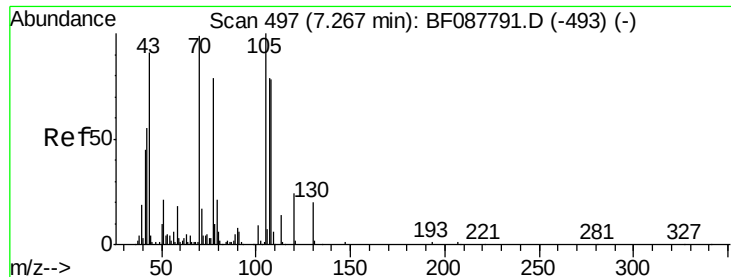
119 2.4 77.4 116.2#

201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

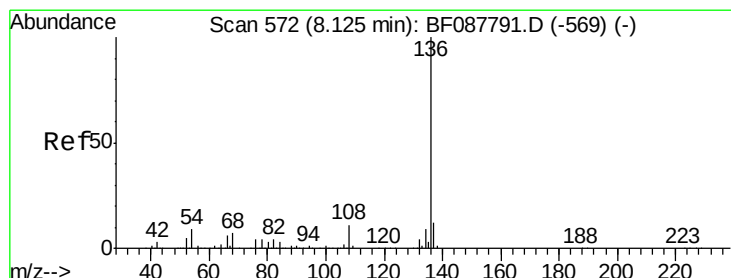
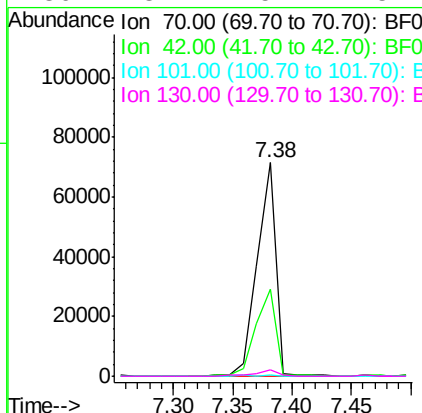
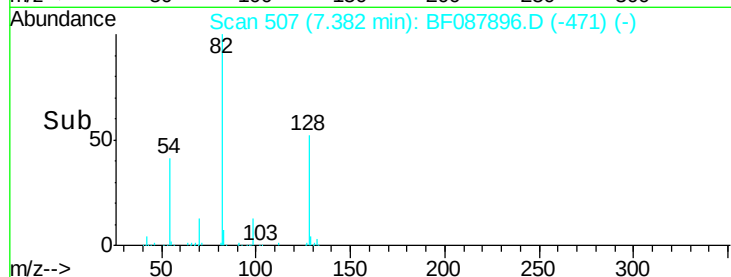
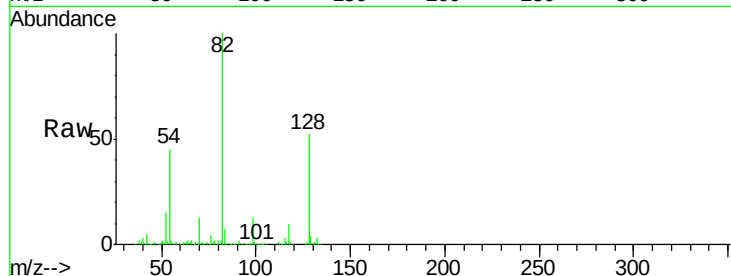




#19
n-Nitroso-di-n-propylamine
Concen: 17.43 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

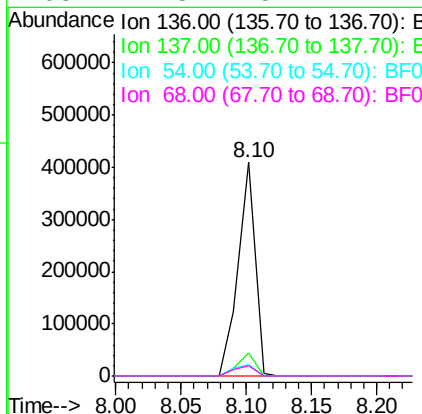
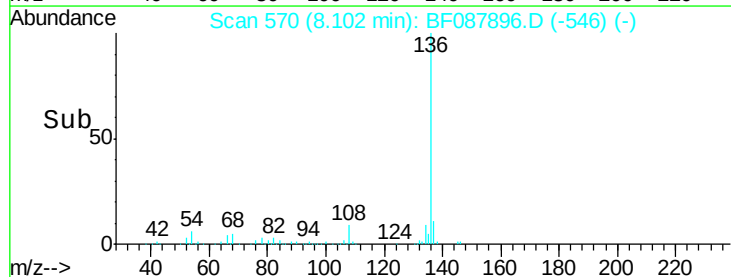
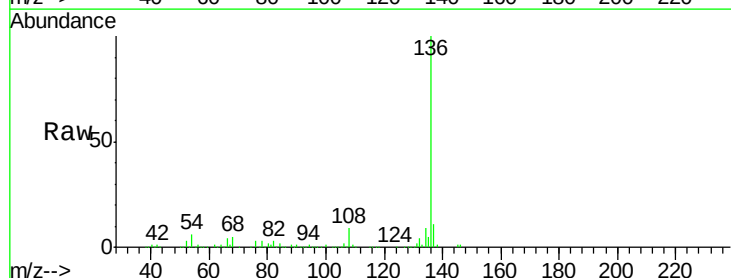
Instrument :
BNA_F
ClientSampleId :
PW-01

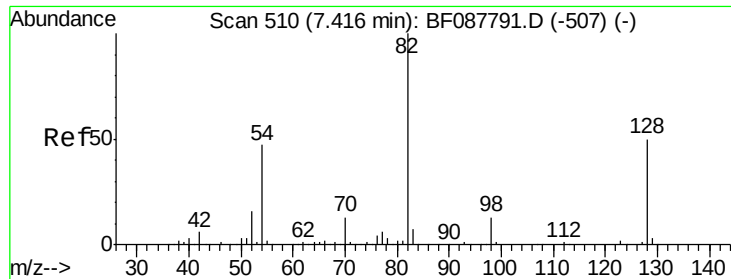
Tgt Ion: 70 Resp: 78900
Ion Ratio Lower Upper
70 100
42 41.0 49.6 74.4#
101 0.4 7.1 10.7#
130 3.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Tgt Ion: 136 Resp: 370472
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.7 6.6 10.0#
68 4.8 5.1 7.7#

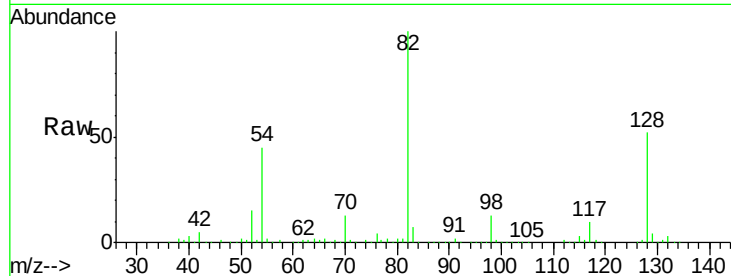




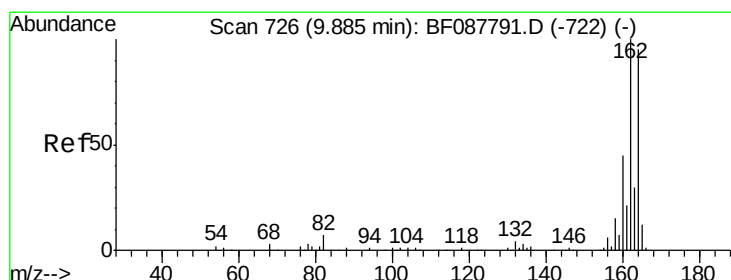
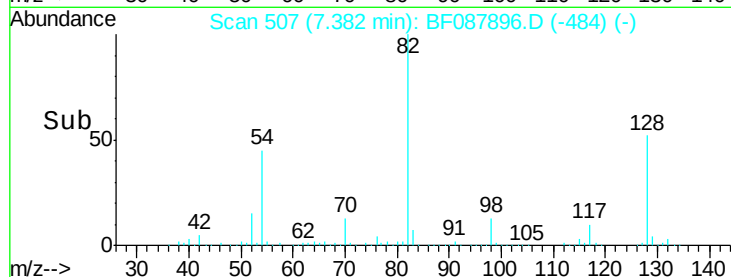
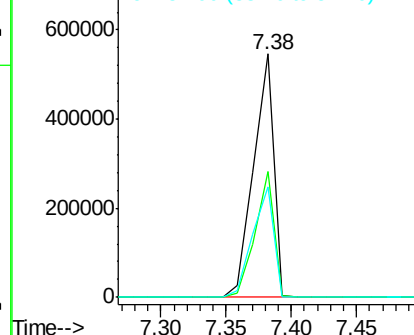
#23
Nitrobenzene-d5
Concen: 92.79 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Instrument :
BNA_F
ClientSampleId :
PW-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.5	35.9	53.9
54	45.4	40.9	61.3

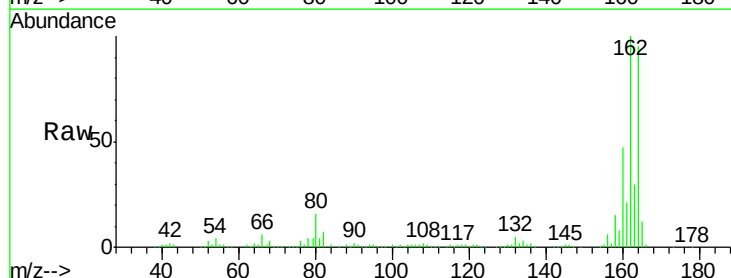


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

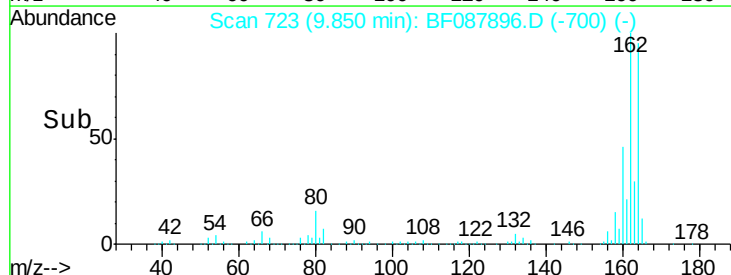
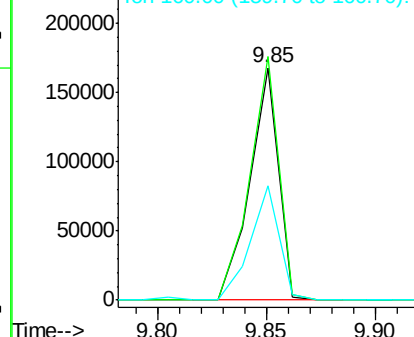


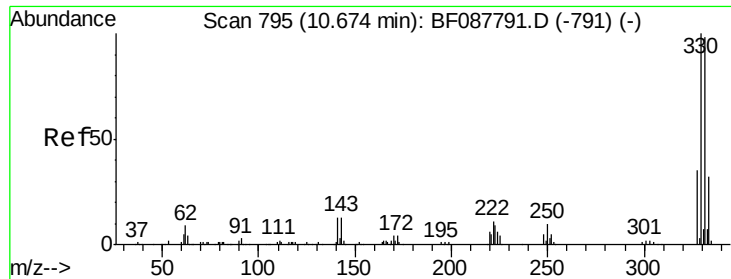
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.4	128.2
160	49.0	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

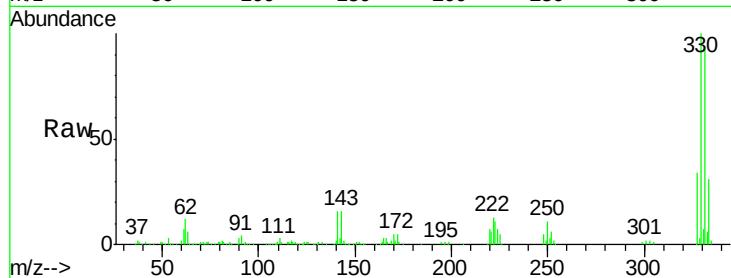




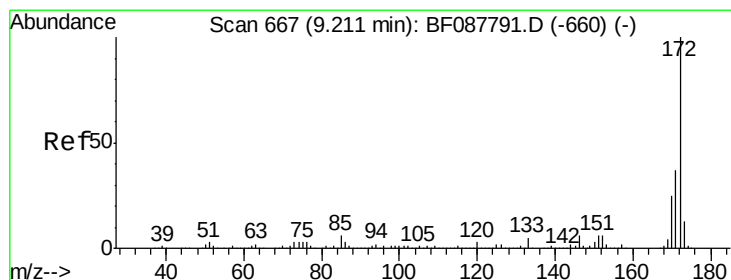
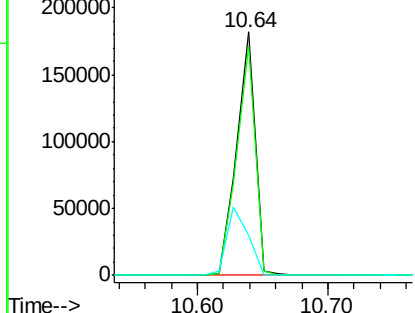
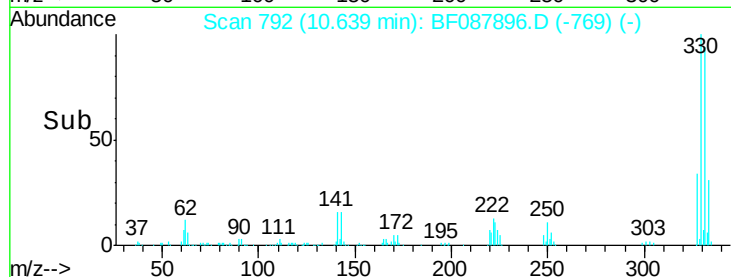
#41
 2,4,6-Tribromophenol
 Concen: 110.33 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	32.8	0.0	0.0#

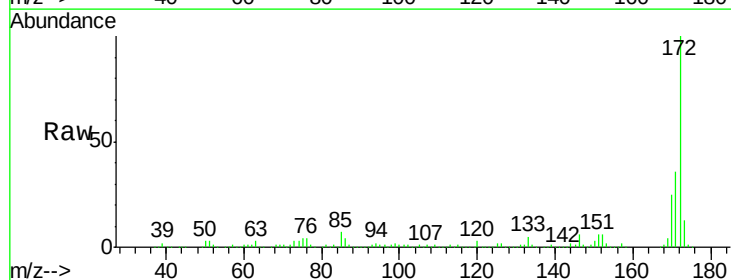


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

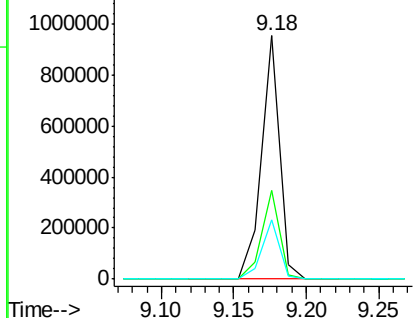
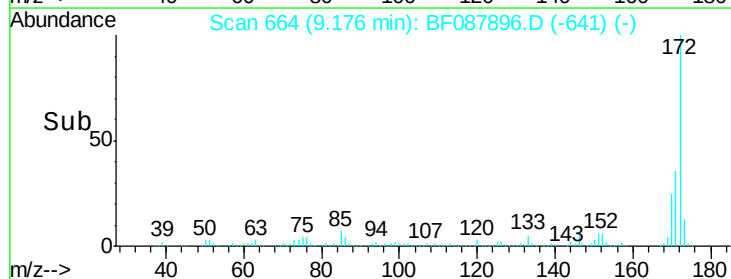


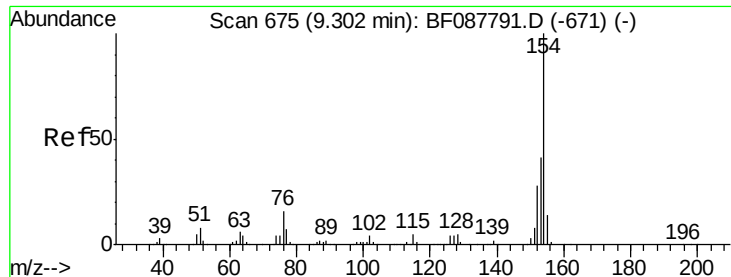
#44
 2-Fluorobiphenyl
 Concen: 84.86 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.6	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: BF087896.D

Acq: 11 Jun 2016 2:27

Instrument :

BNA_F

ClientSampleId :

PW-01

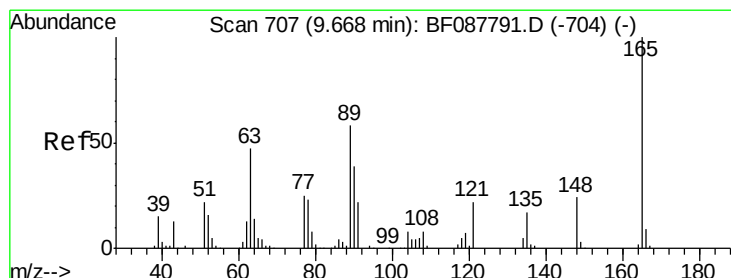
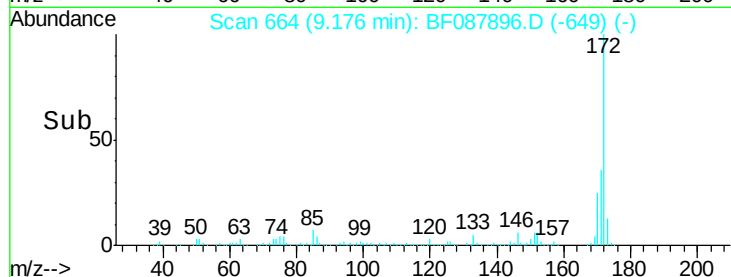
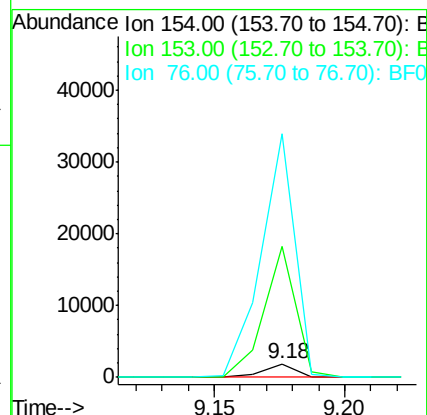
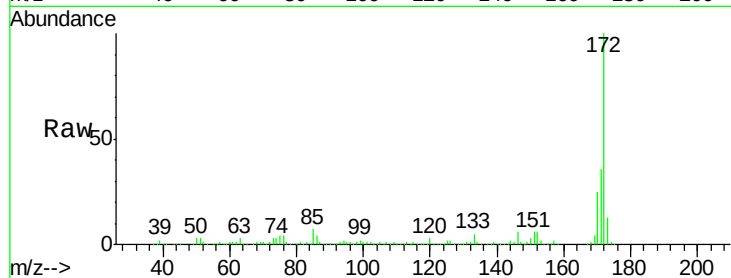
Tgt Ion:154 Resp: 1620

Ion Ratio Lower Upper

154 100

153 968.4 20.6 60.6#

76 1807.7 0.0 35.1#



#50

2,6-Dinitrotoluene

Concen: 7.85 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087896.D

Acq: 11 Jun 2016 2:27

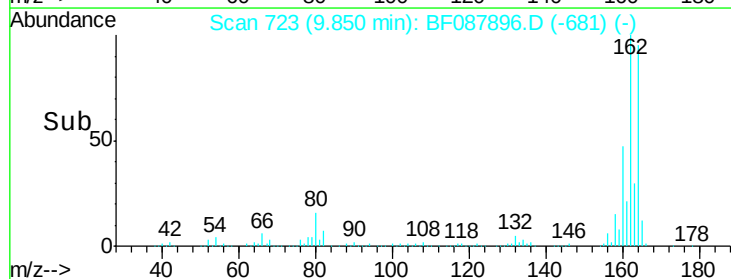
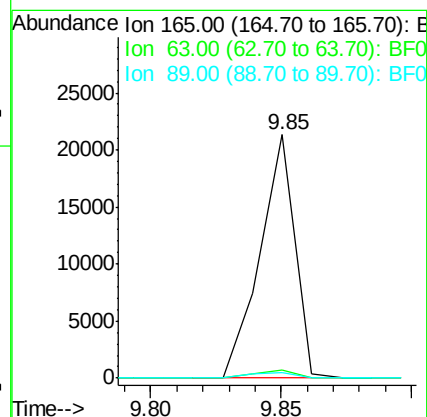
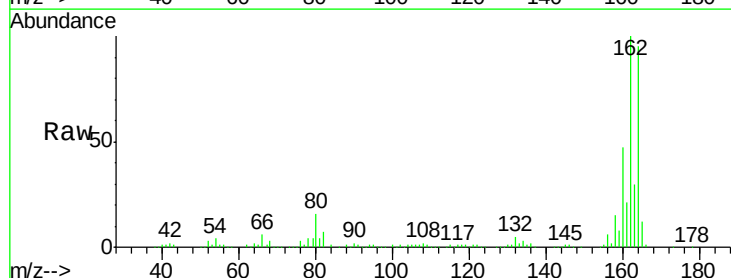
Tgt Ion:165 Resp: 19945

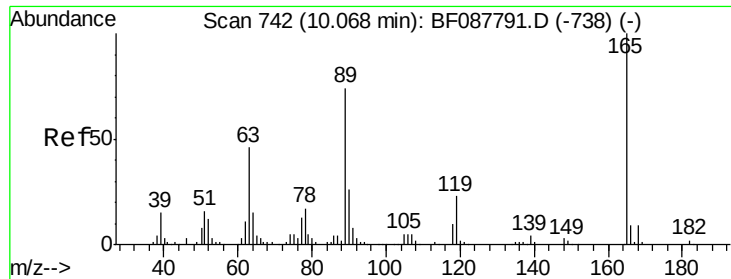
Ion Ratio Lower Upper

165 100

63 3.4 28.1 42.1#

89 2.2 32.2 48.2#

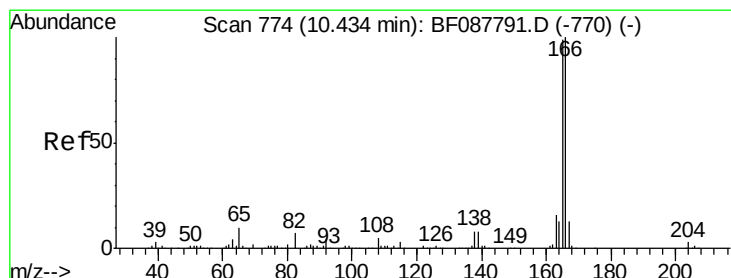
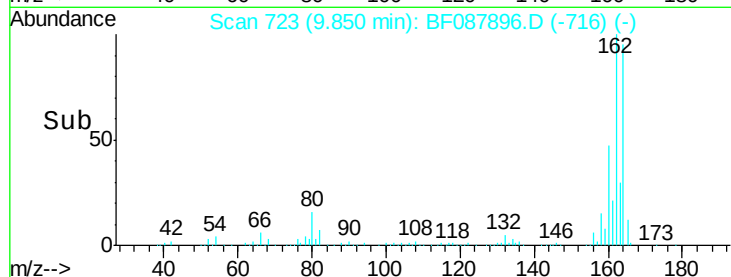
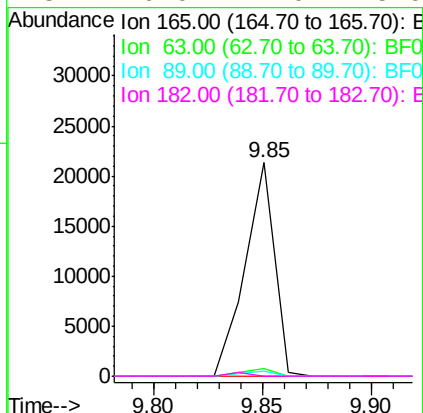
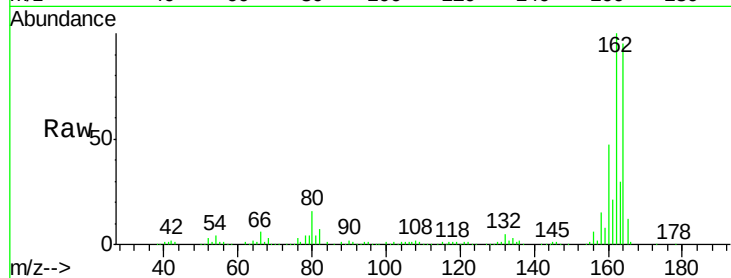




#56
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

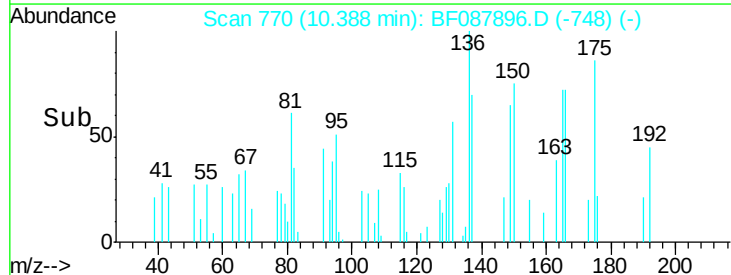
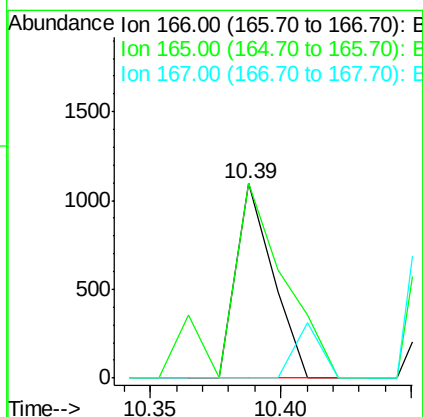
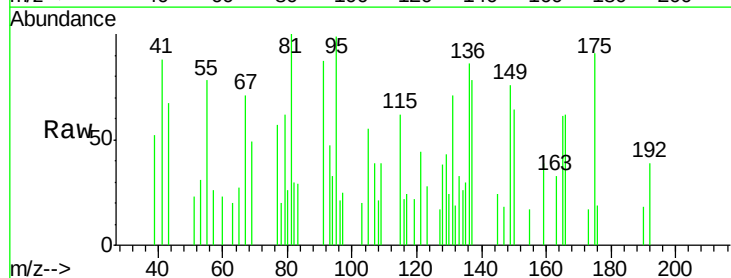
Instrument :
BNA_F
ClientSampleId :
PW-01

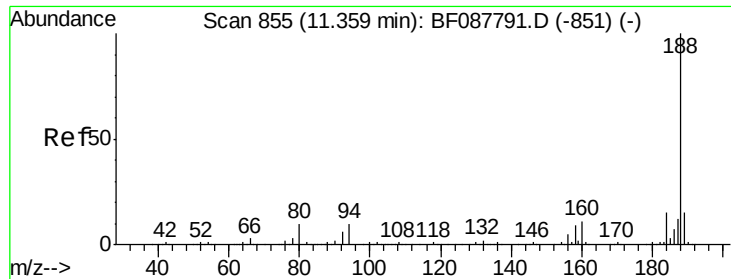
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.4	22.0	33.0#
89	2.2	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.8
167	0.0	11.2	16.8#

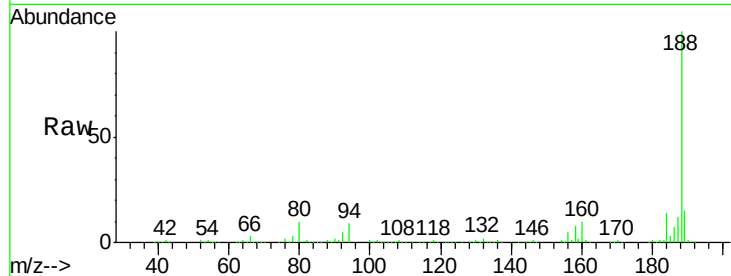




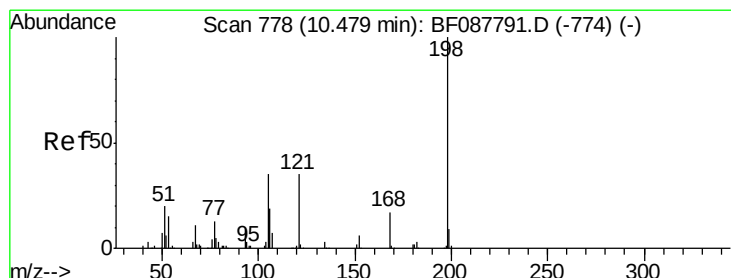
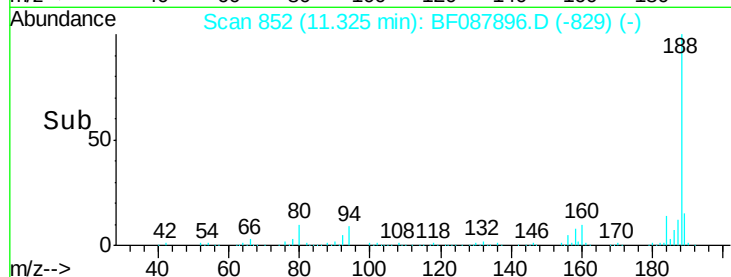
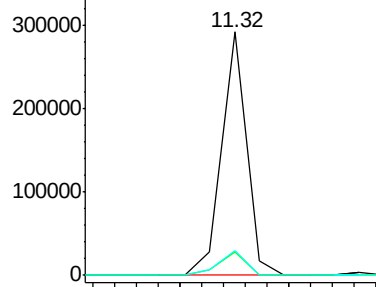
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Instrument :
BNA_F
ClientSampleId :
PW-01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.6
80	9.9	10.0	15.0#

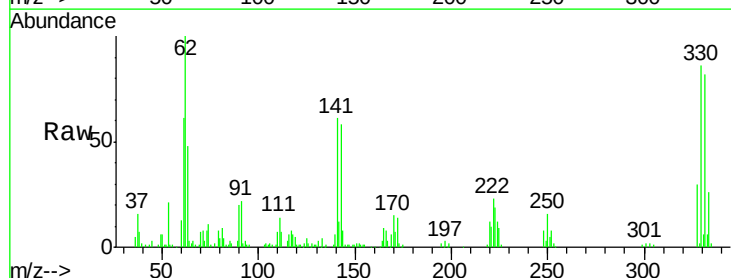


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

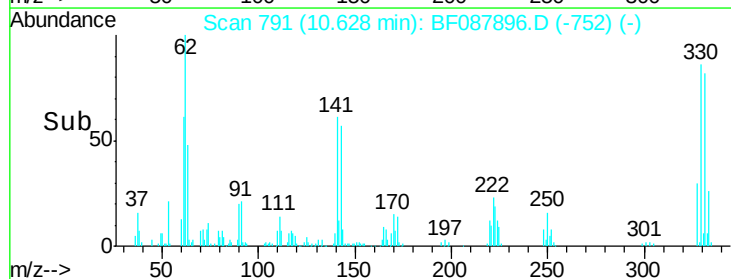
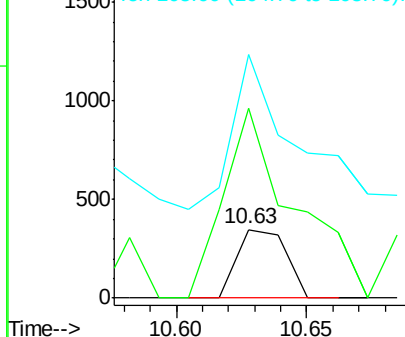


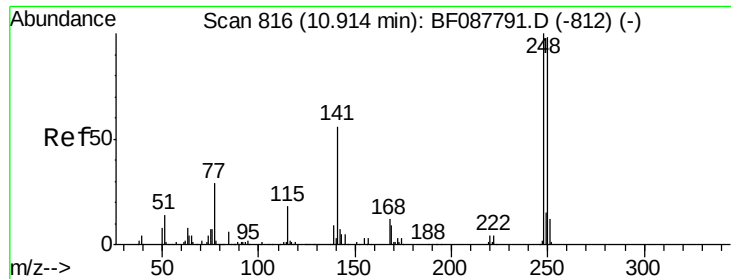
#64
4,6-Dinitro-2-methylphenol
Concen: 2.46 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087896.D
Acq: 11 Jun 2016 2:27

Tgt Ion	Ratio	Lower	Upper
198	100		
51	276.2	39.6	79.6#
105	353.6	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

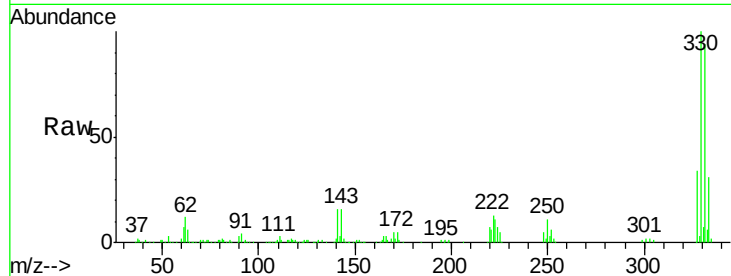




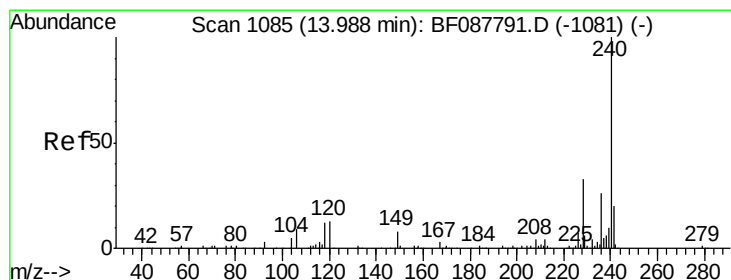
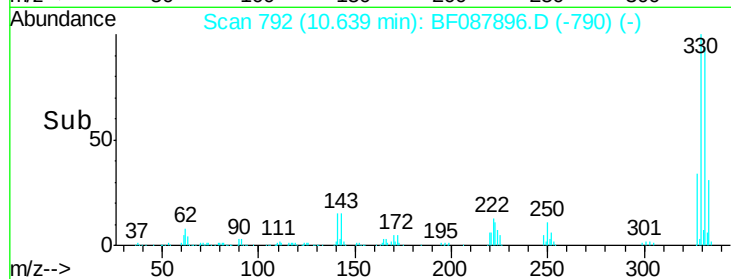
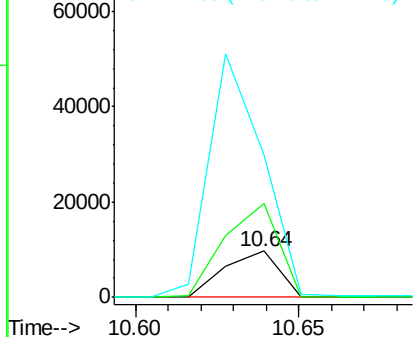
#66
 4-Bromophenyl-phenylether
 Concen: 4.48 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.27 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

Tgt Ion:248 Resp: 11107
 Ion Ratio Lower Upper
 248 100
 250 201.1 77.1 115.7#
 141 305.5 50.6 76.0#

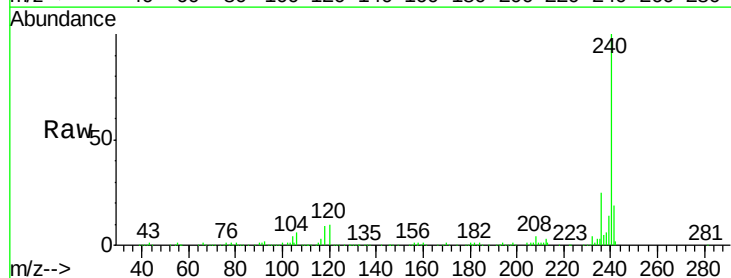


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

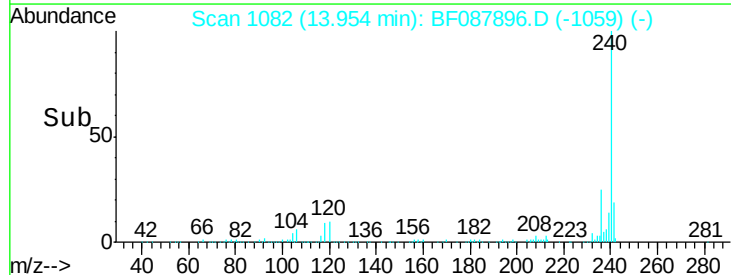
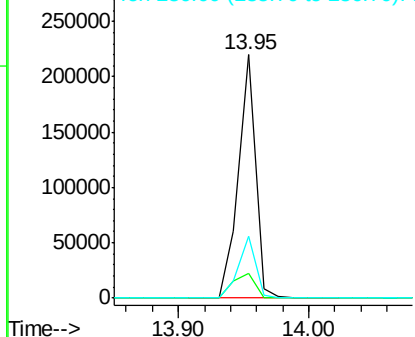


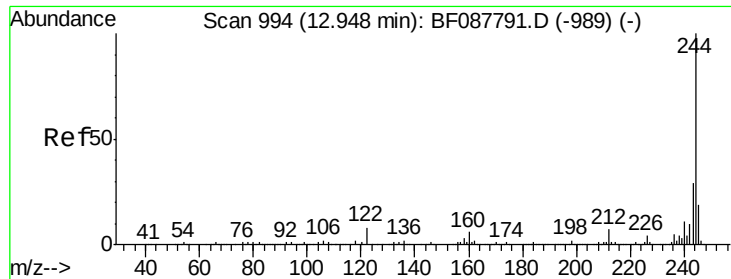
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Tgt Ion:240 Resp: 200539
 Ion Ratio Lower Upper
 240 100
 120 10.0 6.8 10.2
 236 25.3 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

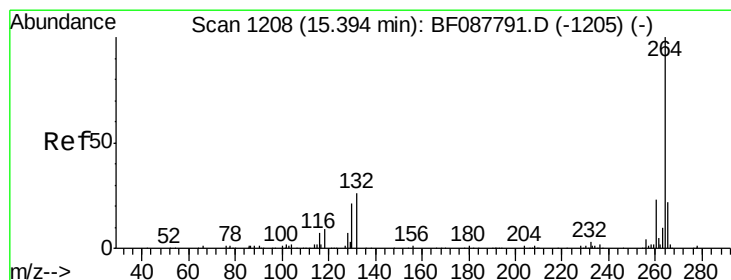
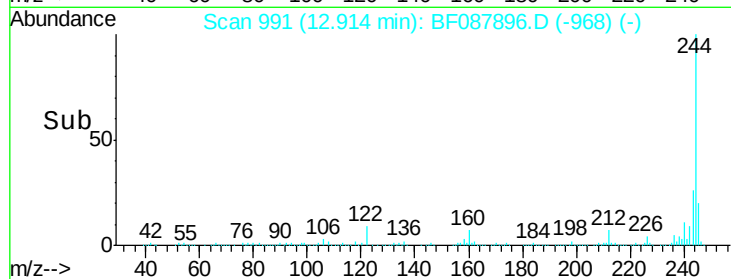
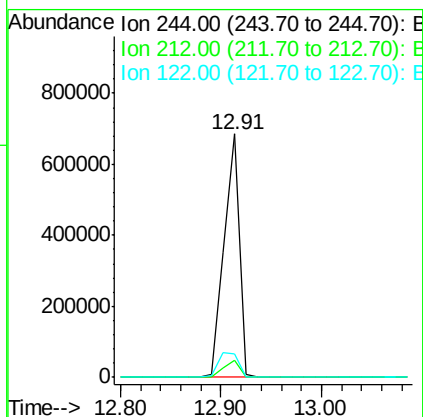
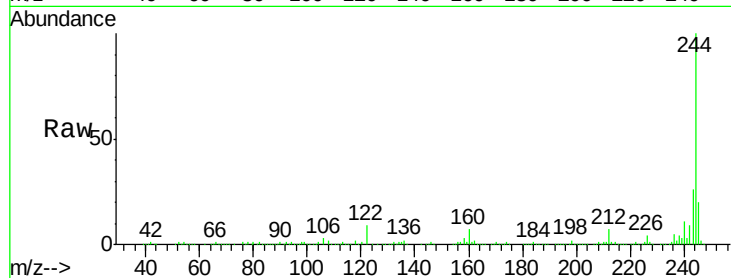




#78
 Terphenyl-d14
 Concen: 82.06 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Instrument :
 BNA_F
 ClientSampleId :
 PW-01

Tgt Ion:244 Resp: 723146
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.4 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087896.D
 Acq: 11 Jun 2016 2:27

Tgt Ion:264 Resp: 140433
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.6 16.9 25.3

