

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087919.D
 Acq On : 11 Jun 2016 23:29
 Operator : UM/SJ
 Sample : H3362-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF3MW4

Quant Time: Jun 12 05:33:49 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

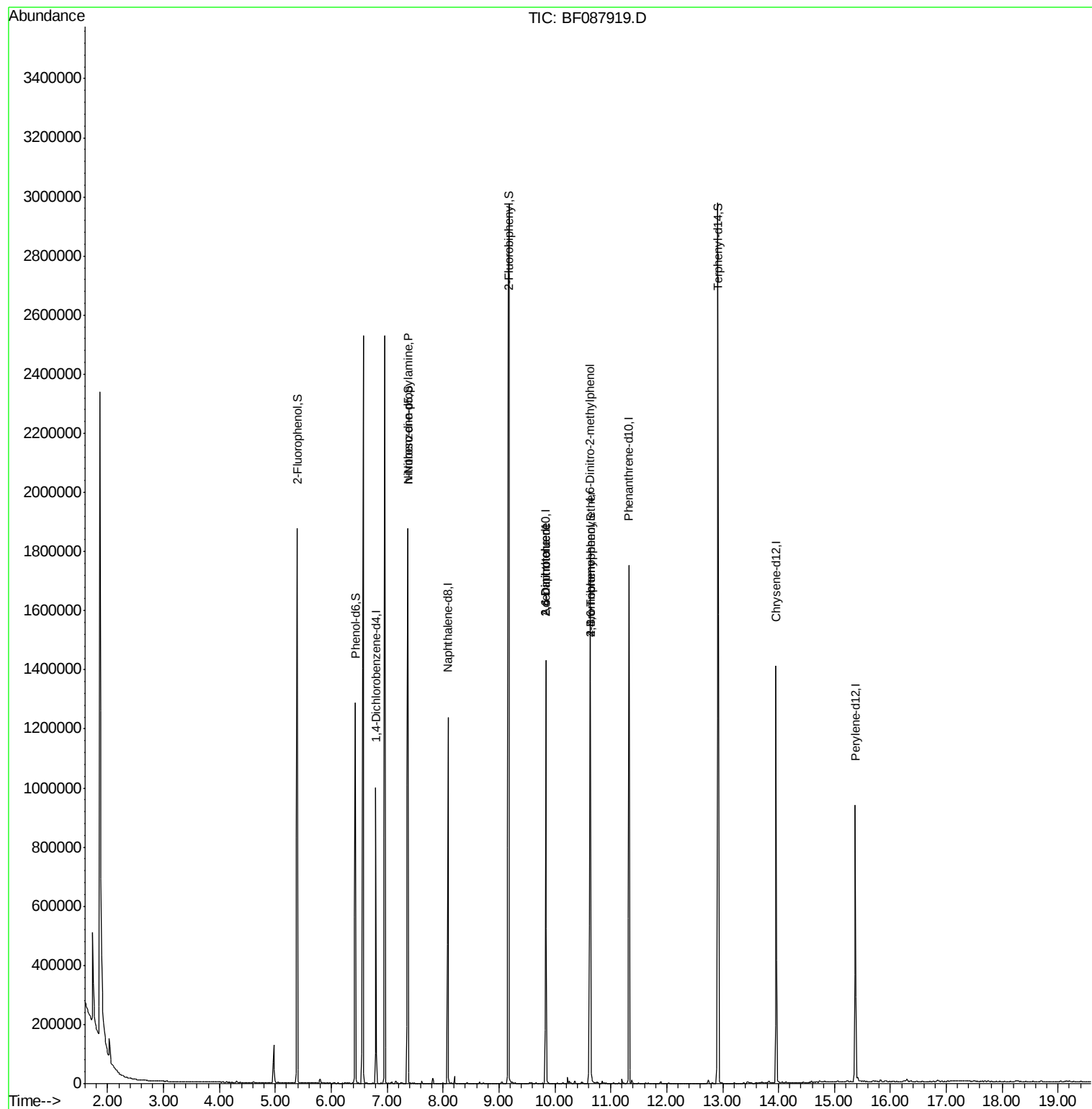
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144213	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	615558	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	312944	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	643698	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	501744	20.00	ng	-0.03
86) Perylene-d12	15.37	264	414247	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	583790	69.20	ng	-0.03
7) Phenol-d6	6.43	99	504834	49.38	ng	-0.05
23) Nitrobenzene-d5	7.37	82	749388	71.09	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	361636	109.44	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1570121	78.39	ng	-0.03
78) Terphenyl-d14	12.91	244	1359910	61.68	ng	-0.03
Target Compounds						
10) Phenol	6.57	94	1640	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	100469	15.36	ng	# 71
45) 1,1'-Biphenyl	9.18	154	3021	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	39706	7.65	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	39708	5.95	ng	# 37
57) Fluorene	10.63	166	15601	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.63	198	699	2.33	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	23166	3.35	ng	# 1

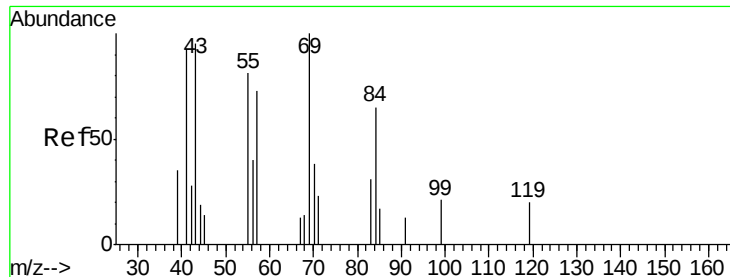
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
Data File : BF087919.D
Acq On : 11 Jun 2016 23:29
Operator : UM/SJ
Sample : H3362-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP16-LF3MW4

Quant Time: Jun 12 05:33:49 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

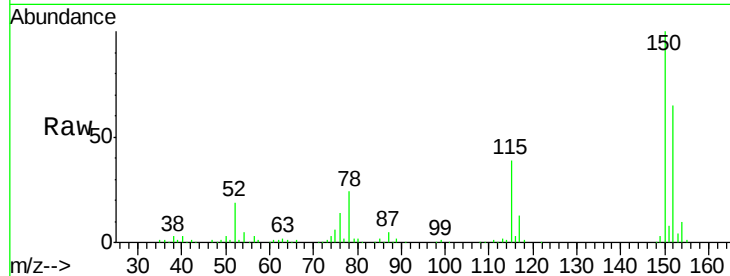




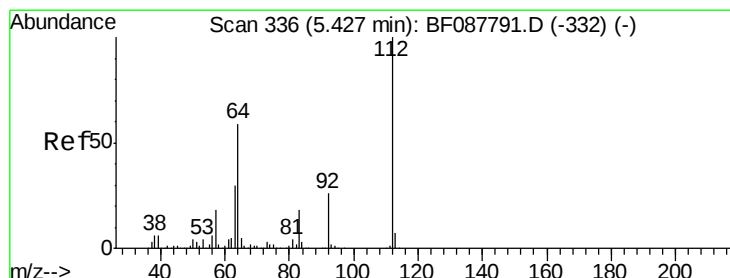
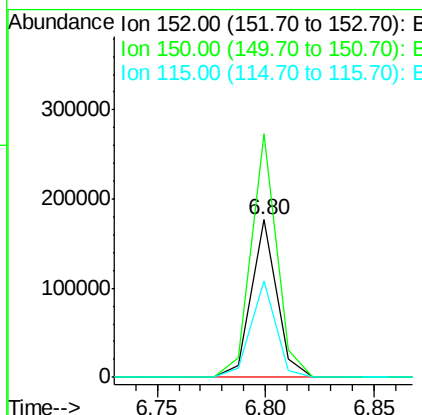
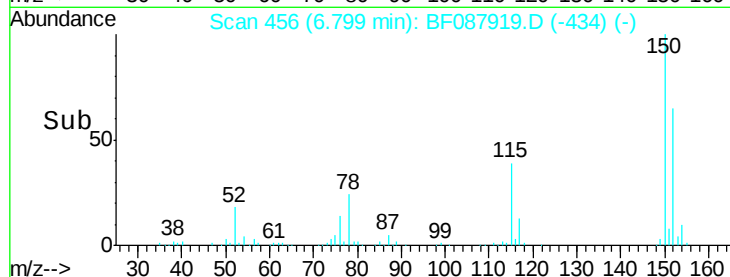
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF3MW4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.8	185.6
115	61.0	39.6	59.4

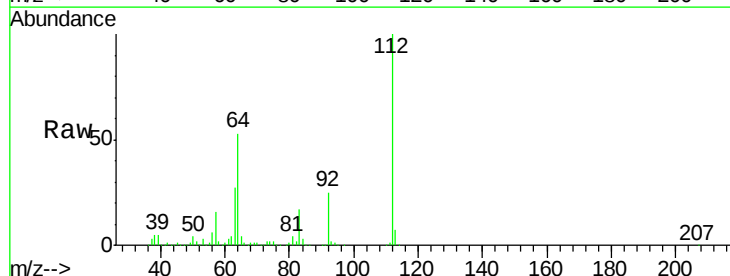


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

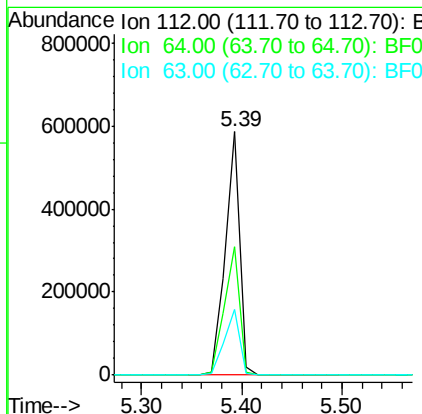
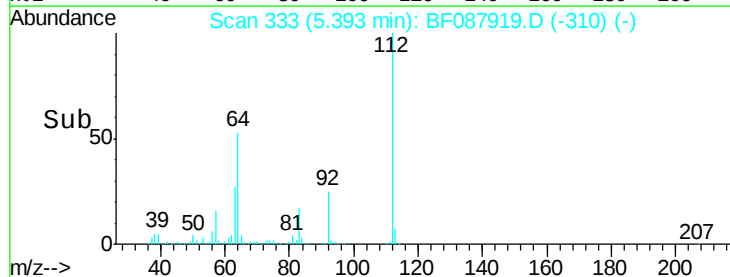


#5
 2-Fluorophenol
 Concen: 69.20 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.2	63.2
63	27.1	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: 49.38 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

Instrument :

BNA_F

ClientSampleId :

SP16-LF3MW4

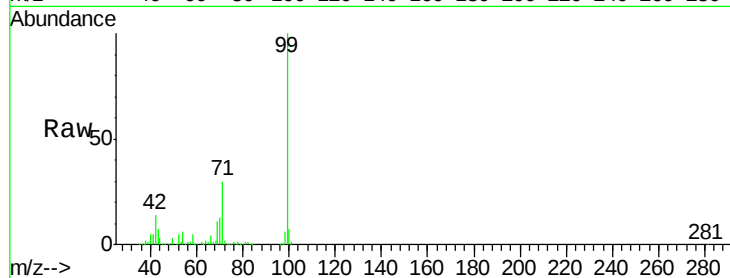
Tot Ion: 99 Resp: 504834

Ion Ratio Lower Upper

99 100

42 14.1 12.2 18.2

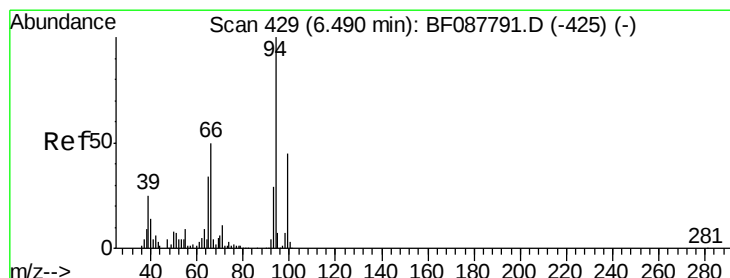
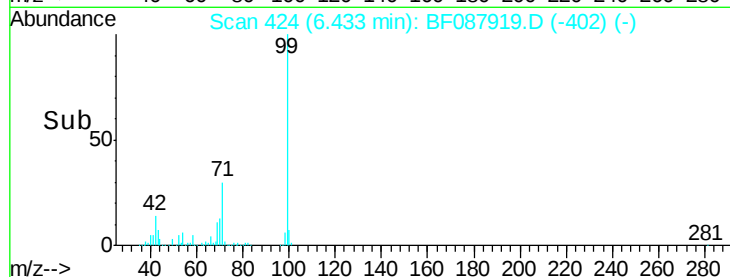
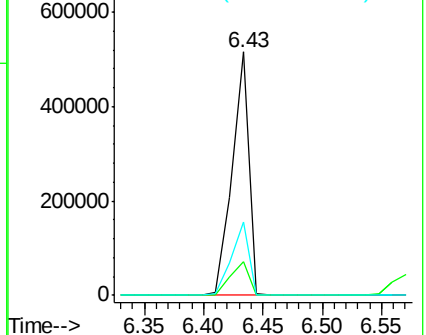
71 30.3 23.4 35.0



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: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

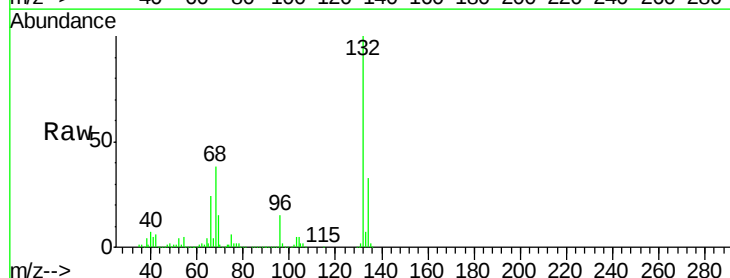
Tgt Ion: 94 Resp: 1640

Ion Ratio Lower Upper

94 100

65 987.1 5.9 45.9#

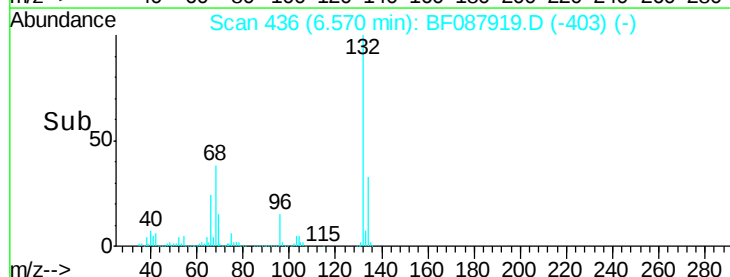
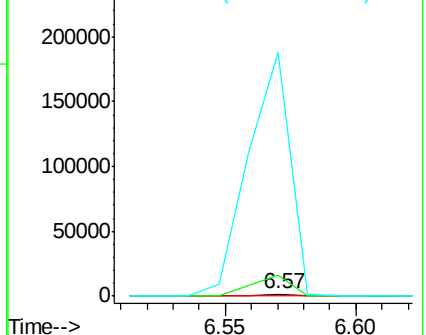
66 11512.9 14.0 54.0#



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

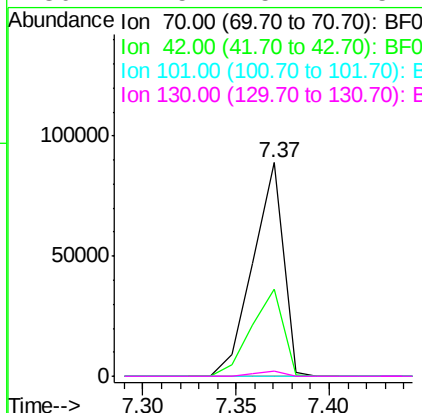
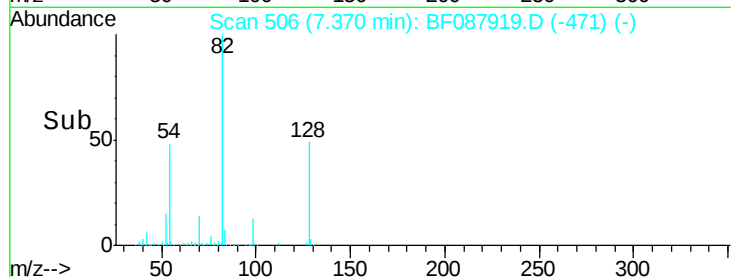
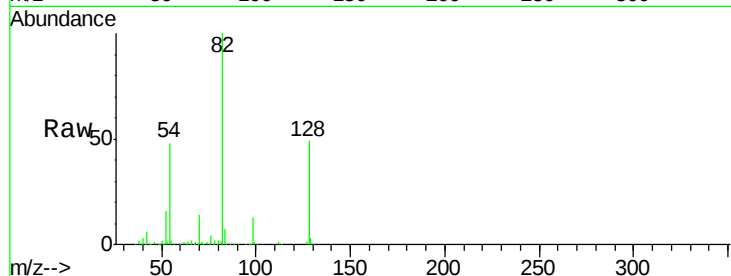




#19
n-Nitroso-di-n-propylamine
Concen: 15.36 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

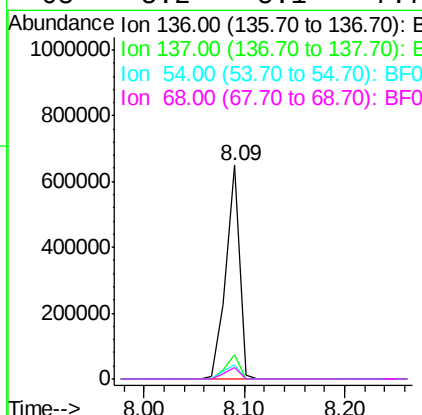
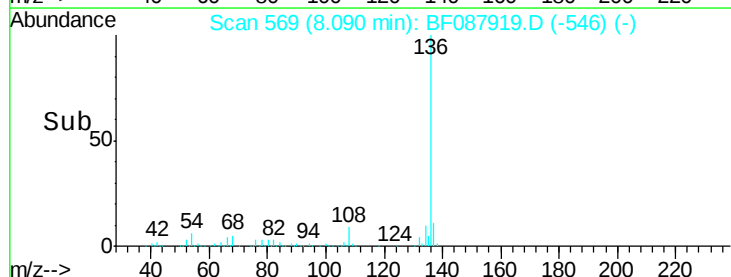
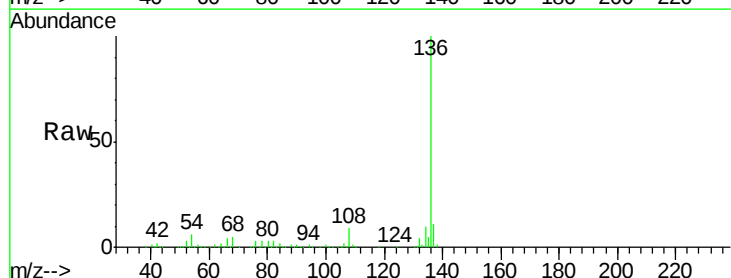
Instrument :
BNA_F
ClientSampleId :
SP16-LF3MW4

Tot Ion: 70 Resp: 100469
Ion Ratio Lower Upper
70 100
42 40.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

Tgt Ion:136 Resp: 615558
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.4 6.6 10.0#
68 5.2 5.1 7.7

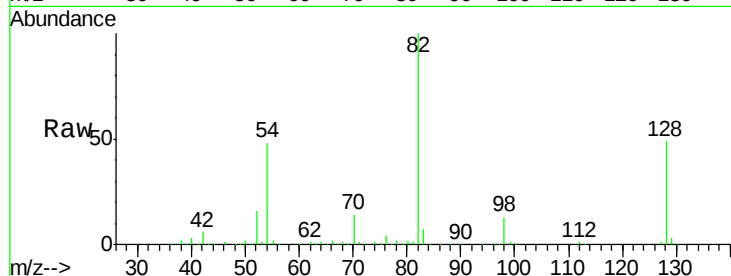




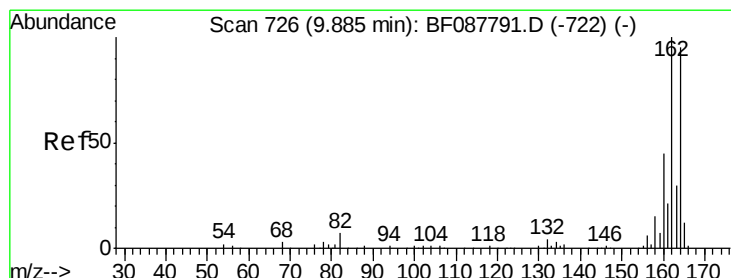
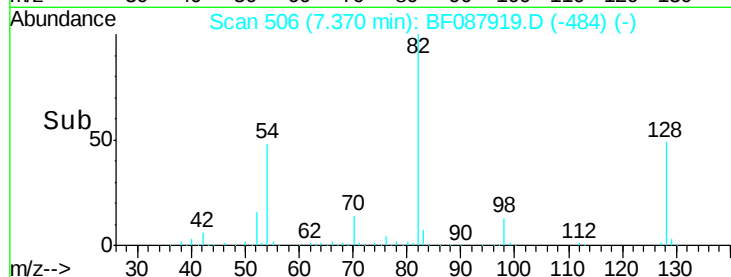
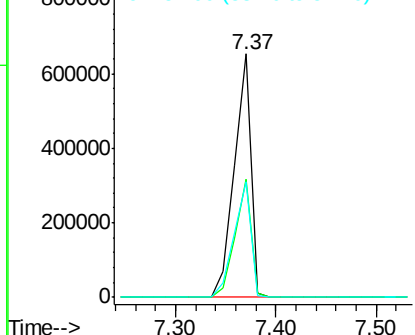
#23
 Nitrobenzene-d5
 Concen: 71.09 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF3MW4

Tot Ion	82	Resp	749388
Ion Ratio	Lower	Upper	
82	100		
128	48.5	35.9	53.9
54	47.6	40.9	61.3

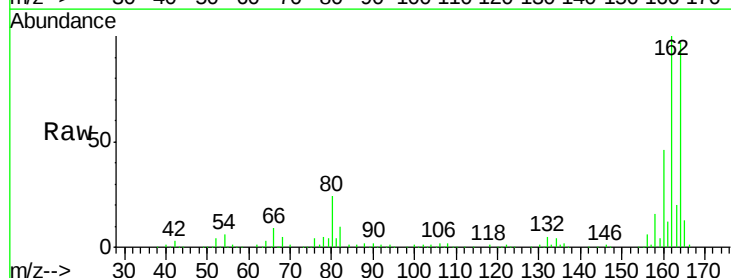


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

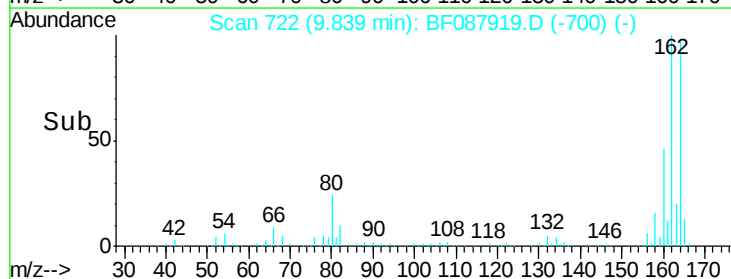
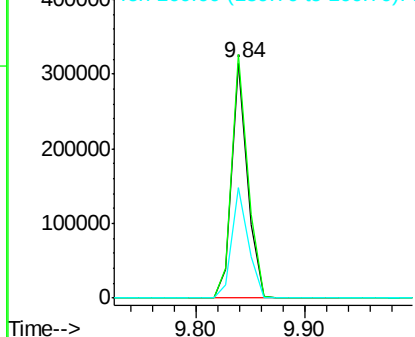


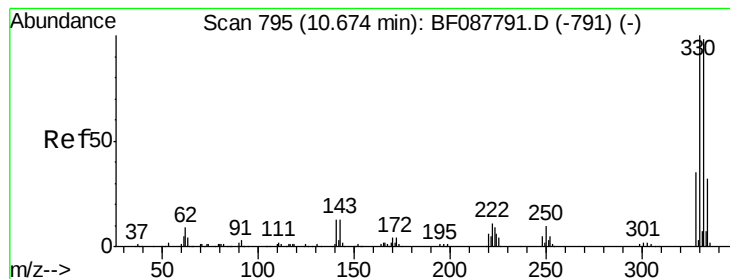
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Tgt Ion	164	Resp	312944
Ion Ratio	Lower	Upper	
164	100		
162	103.6	85.4	128.2
160	47.3	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: 109.44 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

Instrument :

BNA_F

ClientSampleId :

SP16-LF3MW4

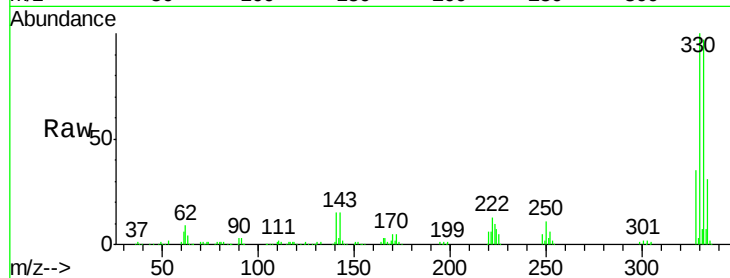
Tot Ion:330 Resp: 361636

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

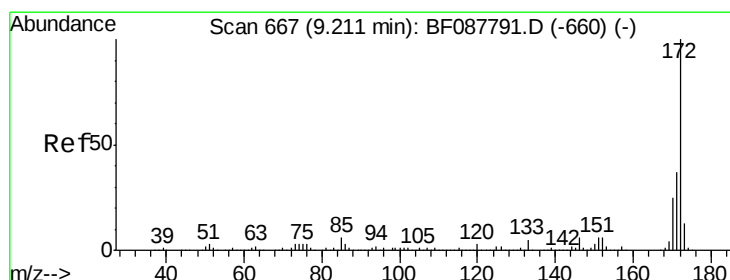
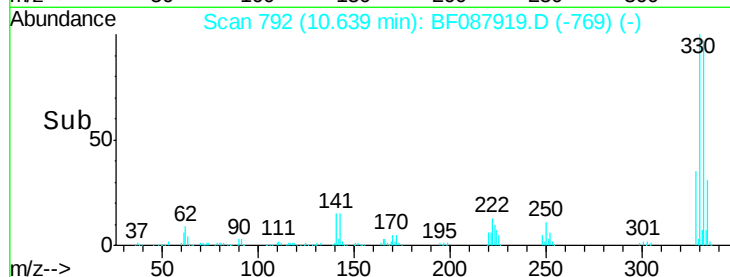
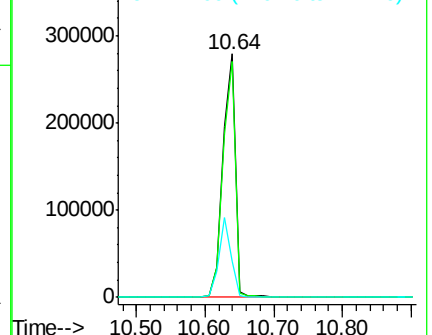
141 32.0 0.0 0.0#



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: 78.39 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

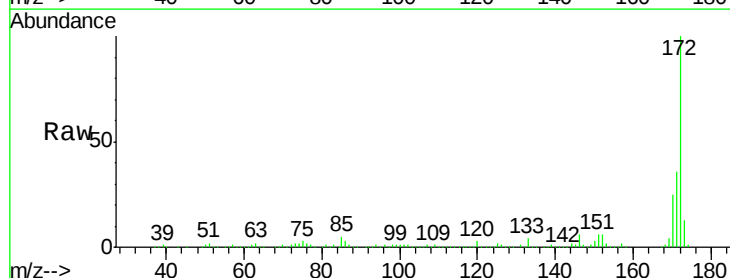
Tgt Ion:172 Resp: 1570121

Ion Ratio Lower Upper

172 100

171 36.4 28.6 43.0

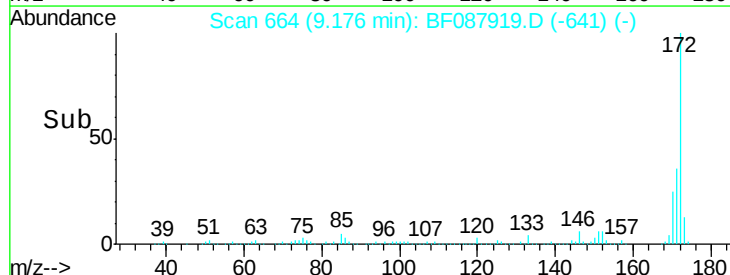
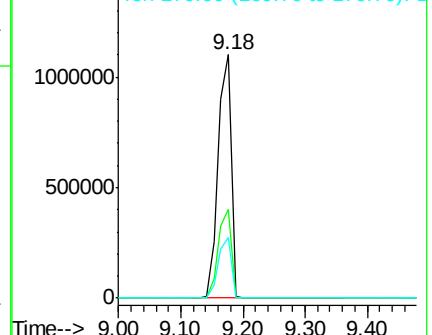
170 24.7 19.2 28.8



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: BF087919.D

Acq: 11 Jun 2016 23:29

Instrument :

BNA_F

ClientSampleId :

SP16-LF3MW4

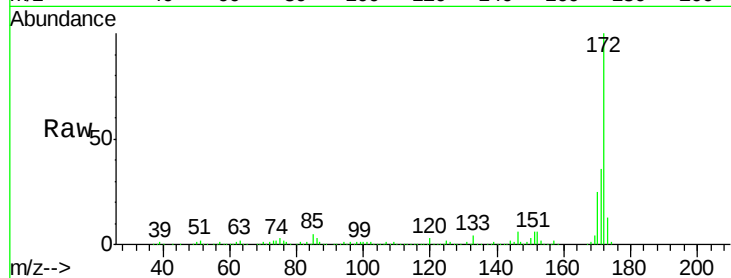
Tot Ion:154 Resp: 3021

Ion Ratio Lower Upper

154 100

153 1028.2 20.6 60.6#

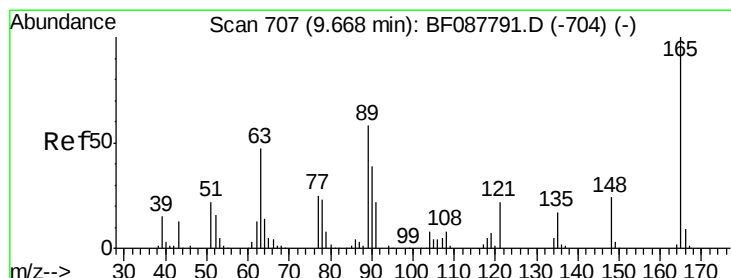
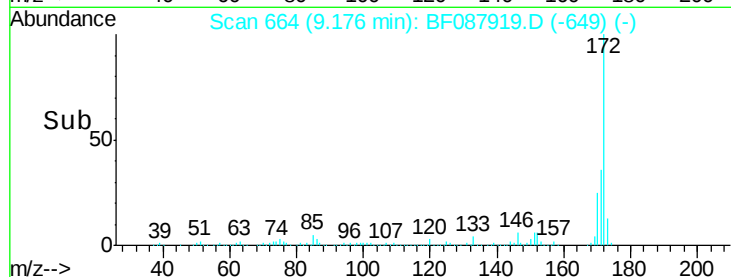
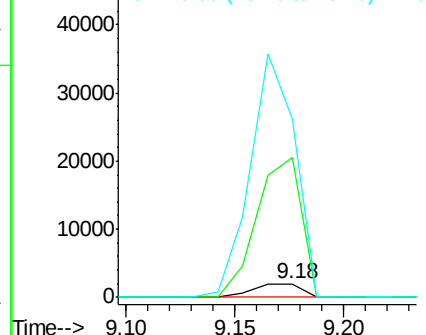
76 1306.5 0.0 35.1#



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: 7.65 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

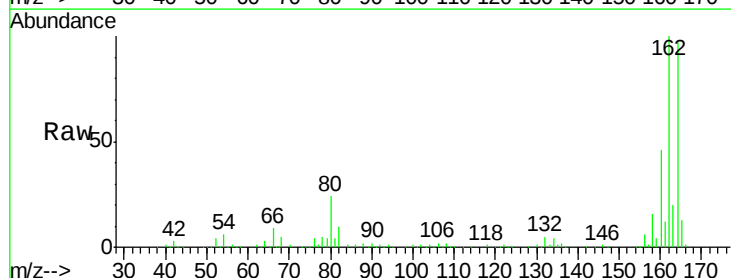
Tgt Ion:165 Resp: 39706

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

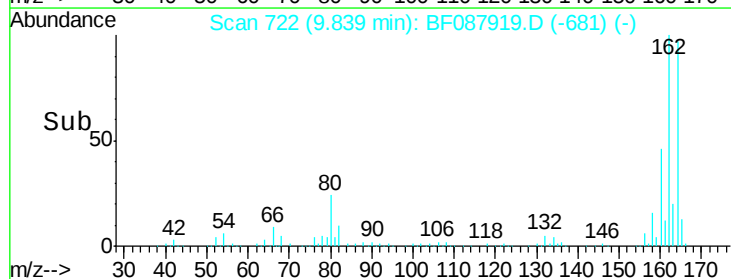
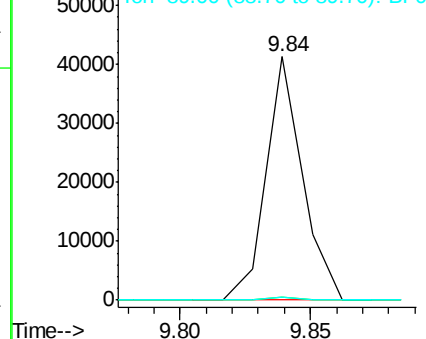
89 1.3 32.2 48.2#



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

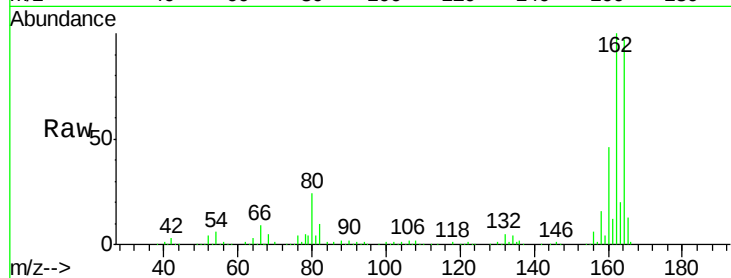




#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

Instrument :
BNA_F
ClientSampleId :
SP16-LF3MW4

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#



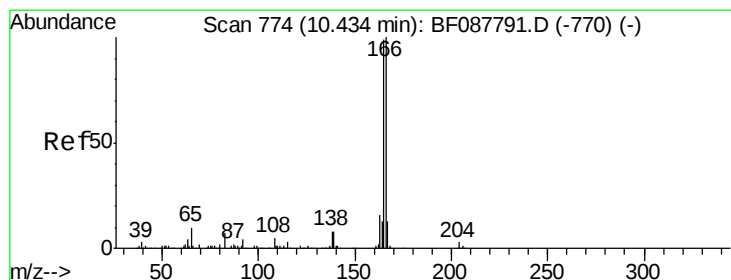
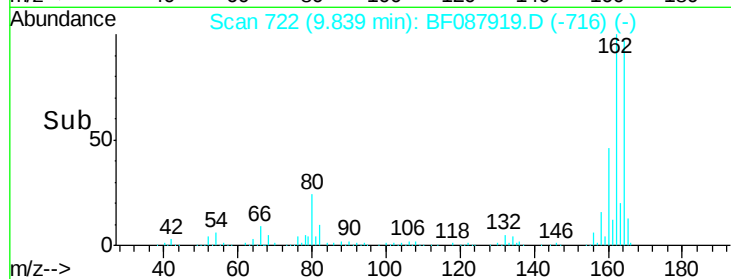
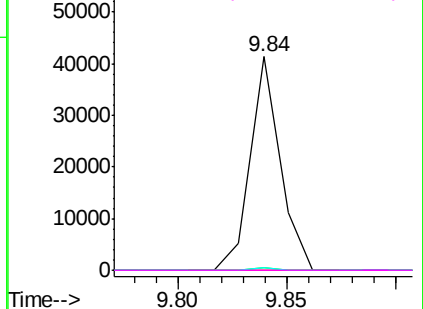
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

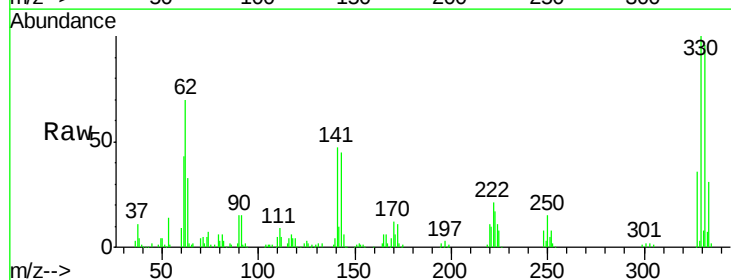
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.63 min Scan# 791
Delta R.T. 0.19 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	77.8	116.8
167	33.6	11.2	16.8#

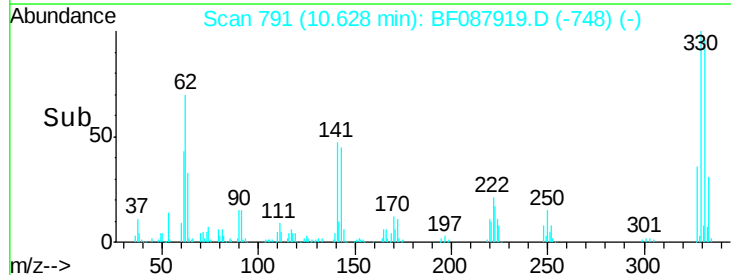
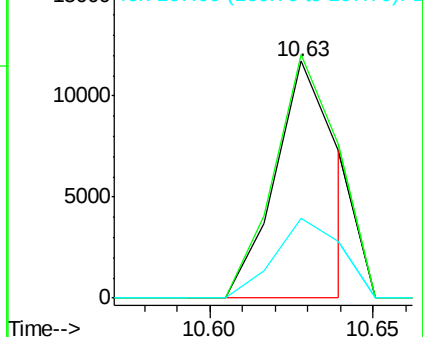


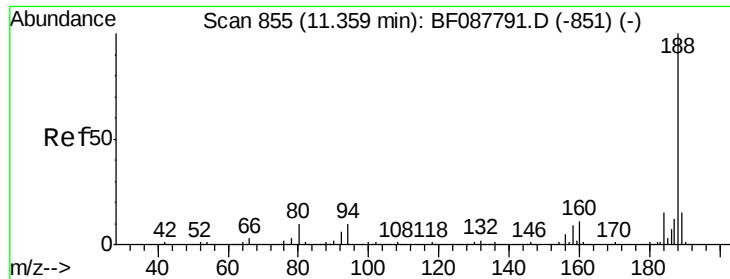
Abundance

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

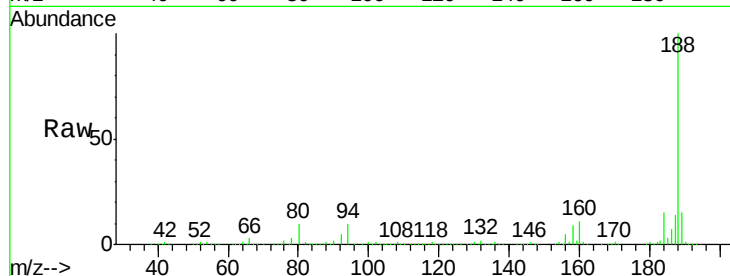




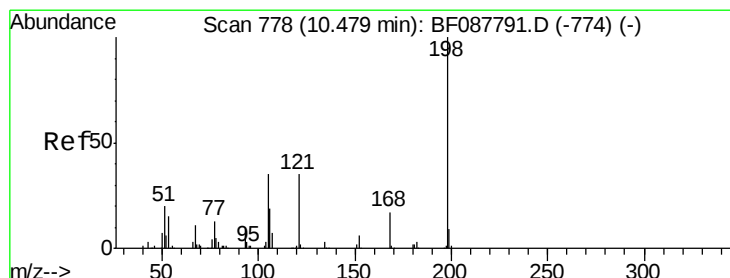
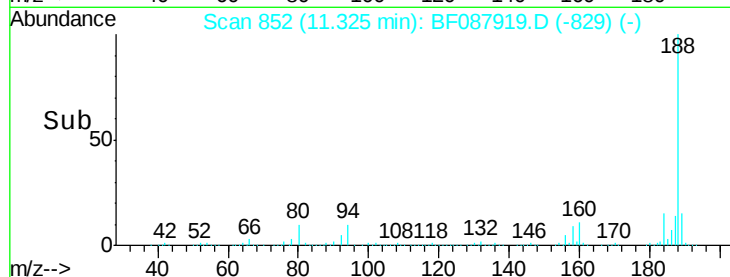
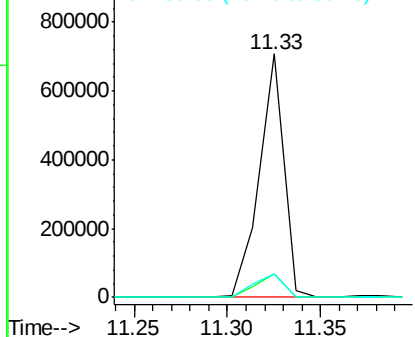
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

Instrument :
BNA_F
ClientSampleId :
SP16-LF3MW4

Tot Ion:188 Resp: 643698
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.6
80 9.8 10.0 15.0#

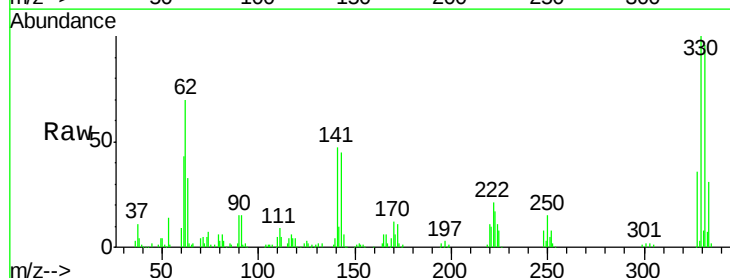


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

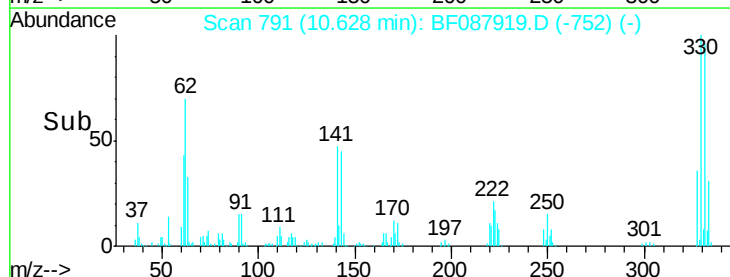
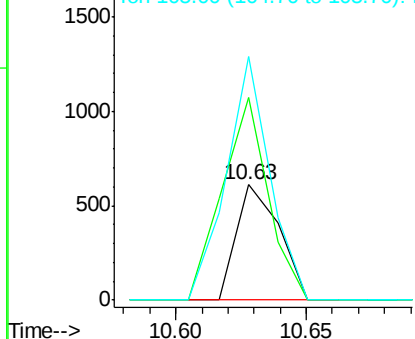


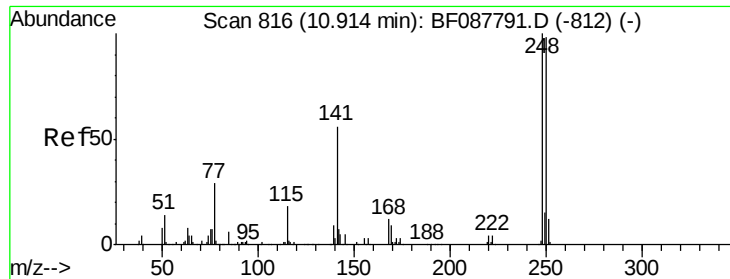
#64
4,6-Dinitro-2-methylphenol
Concen: 2.33 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087919.D
Acq: 11 Jun 2016 23:29

Tgt Ion:198 Resp: 699
Ion Ratio Lower Upper
198 100
51 175.1 39.6 79.6#
105 211.0 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: 3.35 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087919.D

Acq: 11 Jun 2016 23:29

Instrument :

BNA_F

ClientSampleId :

SP16-LF3MW4

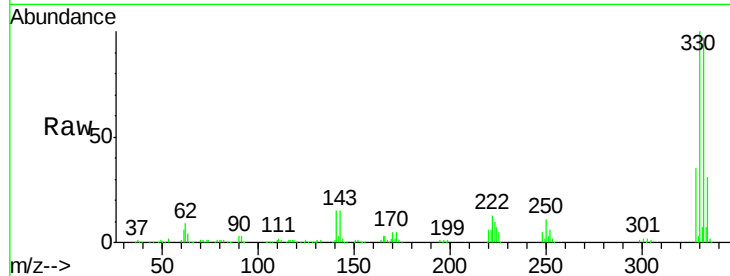
Tot Ion:248 Resp: 23166

Ion Ratio Lower Upper

248 100

250 206.0 77.1 115.7#

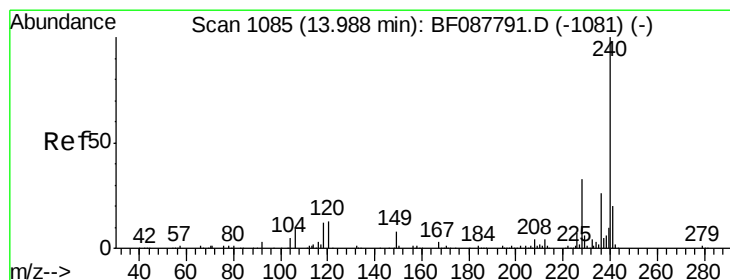
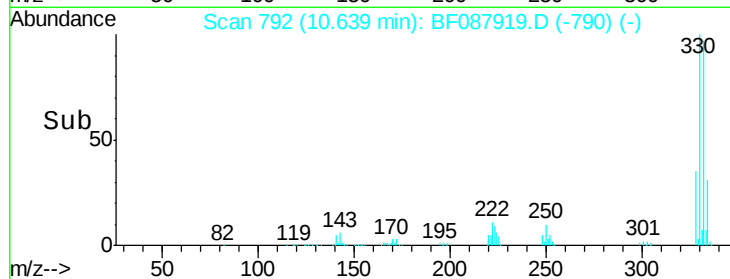
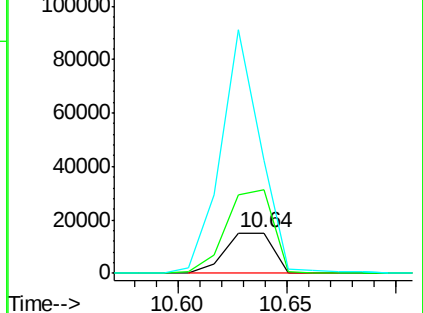
141 276.8 50.6 76.0#



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: BF087919.D

Acq: 11 Jun 2016 23:29

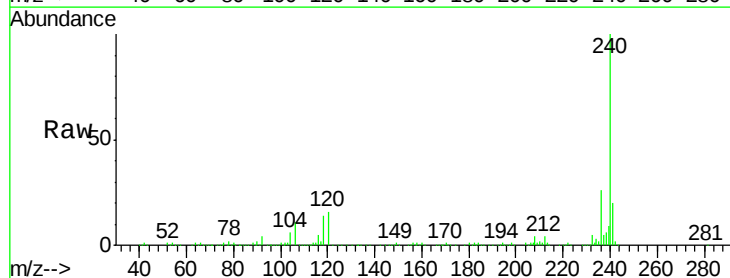
Tgt Ion:240 Resp: 501744

Ion Ratio Lower Upper

240 100

120 16.3 6.8 10.2#

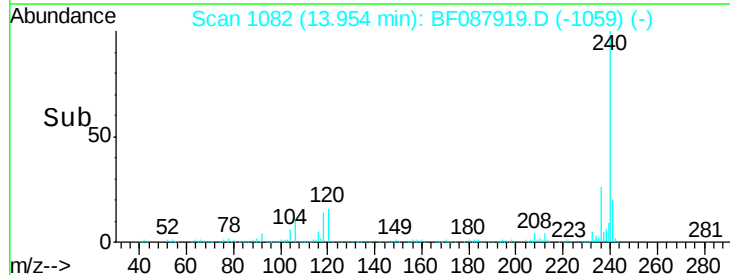
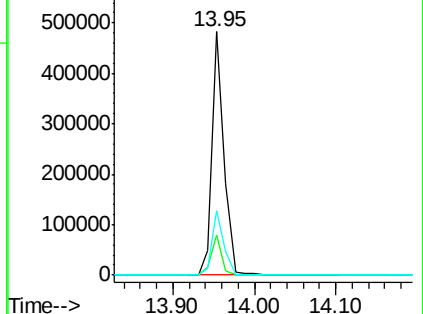
236 26.5 20.2 30.2

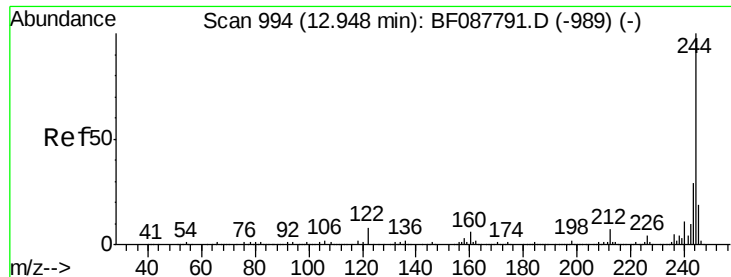


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

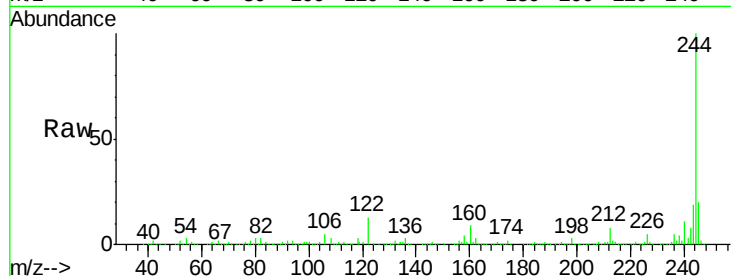




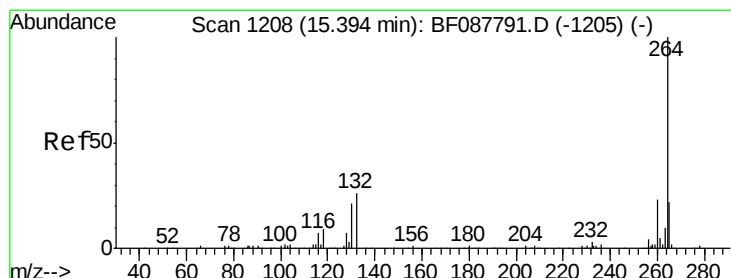
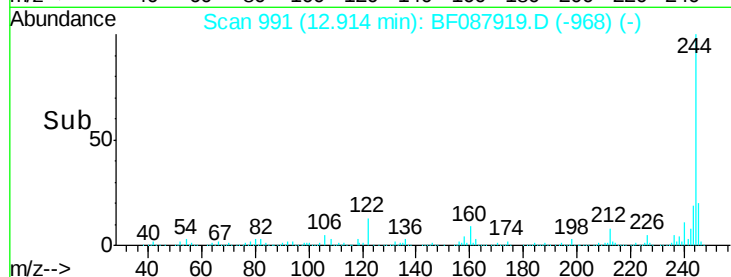
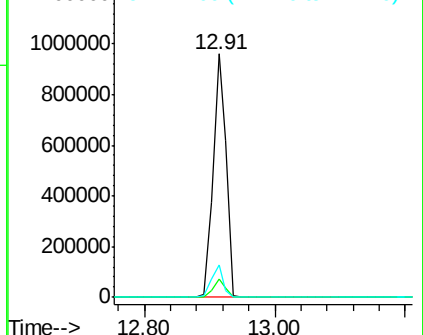
#78
 Terphenyl-d14
 Concen: 61.68 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF3MW4

Tot Ion:244 Resp: 1359910
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.2 11.2 16.8

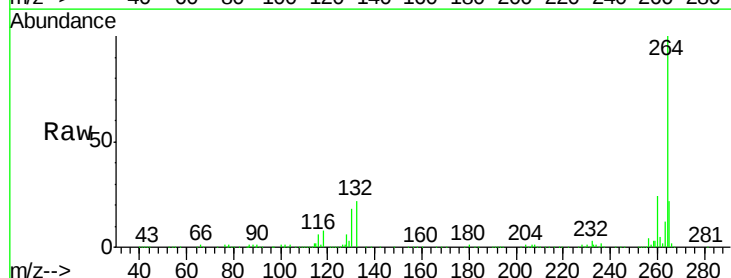


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087919.D
 Acq: 11 Jun 2016 23:29

Tgt Ion:264 Resp: 414247
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.3 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

