

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061216\
 Data File : BF087971.D
 Acq On : 13 Jun 2016 2:21
 Operator : UM/SJ
 Sample : H3473-15
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Quant Time: Jun 13 05:04:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 02:17:28 2016
 Response via : Initial Calibration

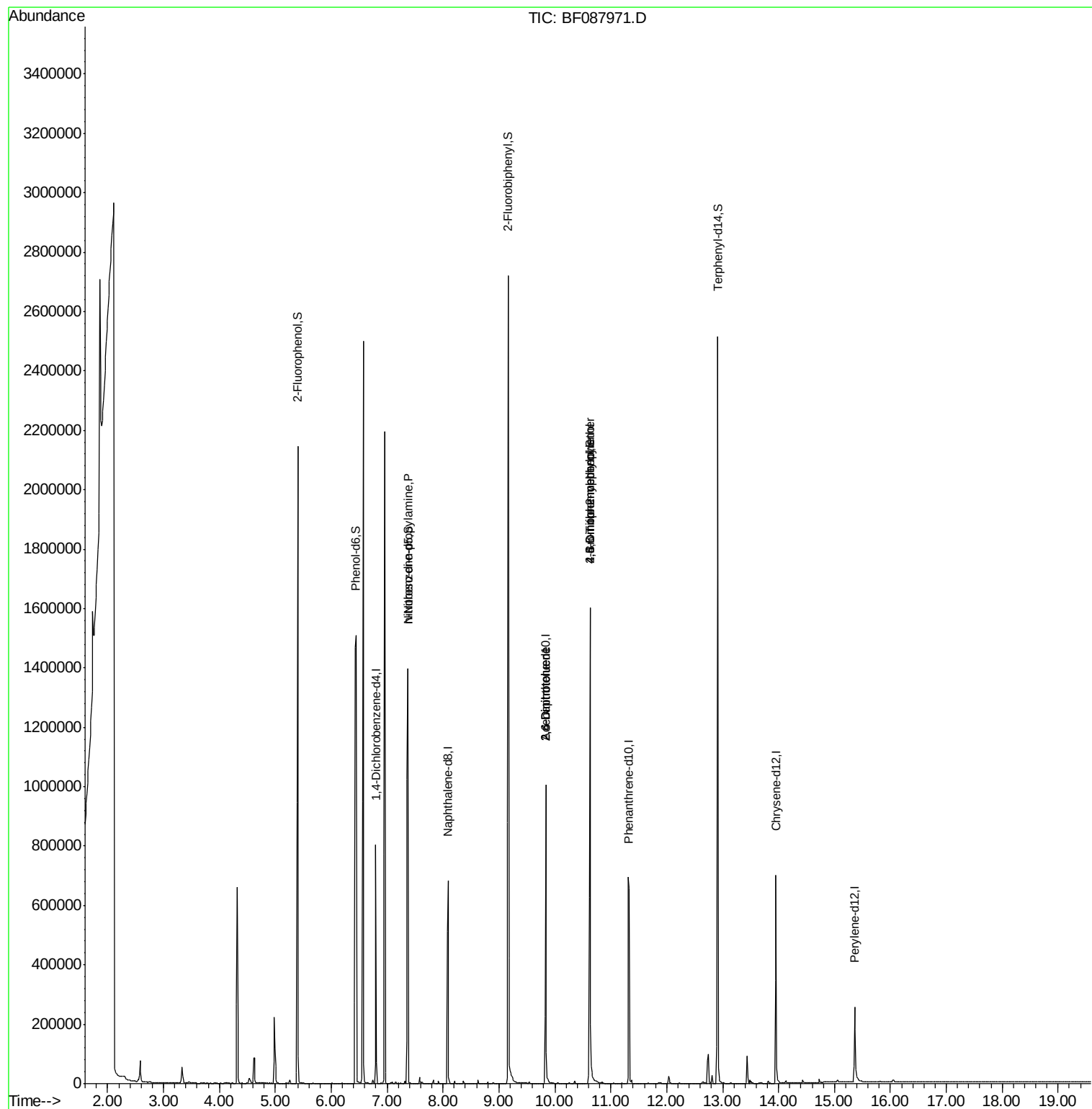
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112759	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	440877	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	210885	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	406214	20.00	ng	0.00
75) Chrysene-d12	13.95	240	296095	20.00	ng	-0.01
86) Perylene-d12	15.36	264	134798	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	669138	101.45	ng	0.01
7) Phenol-d6	6.44	99	859490	107.52	ng	0.00
23) Nitrobenzene-d5	7.37	82	622934	82.51	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	225092	101.09	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1026461	75.87	ng	-0.01
78) Terphenyl-d14	12.91	244	1022348	78.57	ng	-0.01
Target Compounds						
10) Phenol	6.57	94	1429	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	80042	15.65 ng	#	68
45) 1,1'-Biphenyl	9.16	154	1802	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	26226	7.50 ng	#	39
56) 2,4-Dinitrotoluene	9.84	165	26223	5.83 ng	#	37
57) Fluorene	10.63	166	11132	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.63	198	424	2.32 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	14682	3.37 ng	#	1

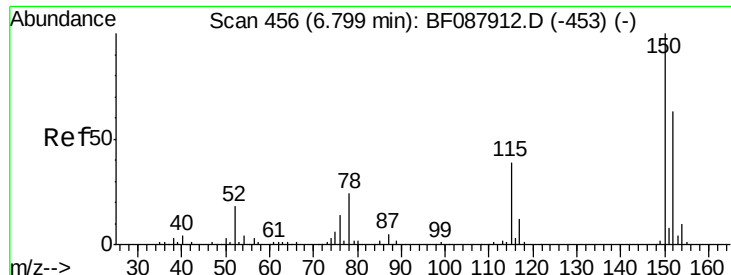
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.00 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

Instrument :

BNA_F

ClientSampleId :

STA-1141-(0-4)

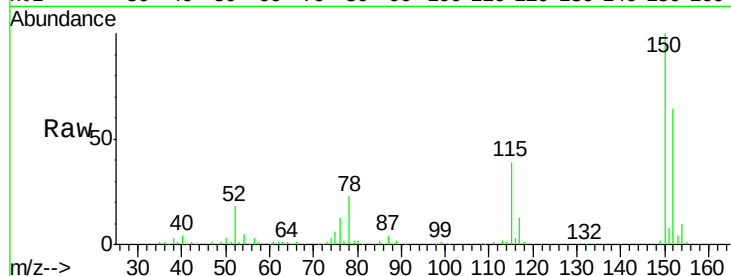
Tgt Ion:152 Resp: 112759

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

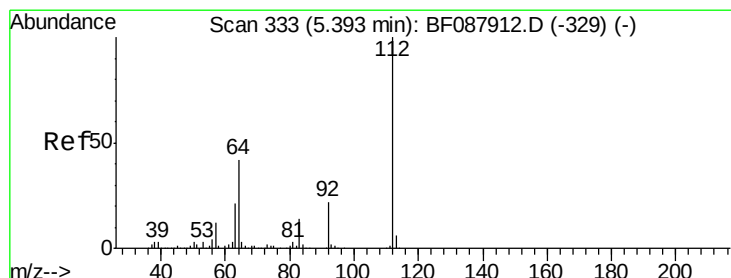
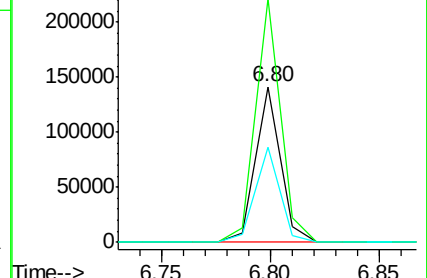
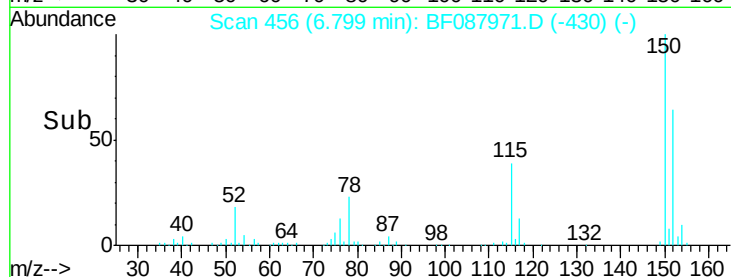
115 60.9 39.6 59.4#



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: 101.45 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.01 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

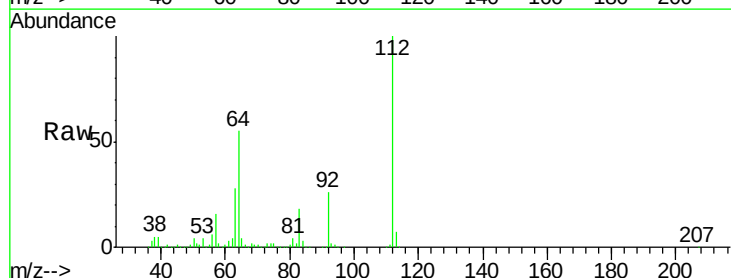
Tgt Ion:112 Resp: 669138

Ion Ratio Lower Upper

112 100

64 54.6 42.2 63.2

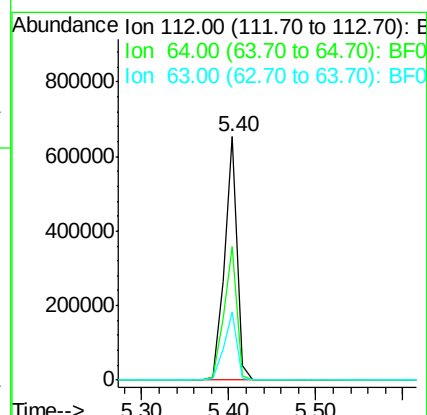
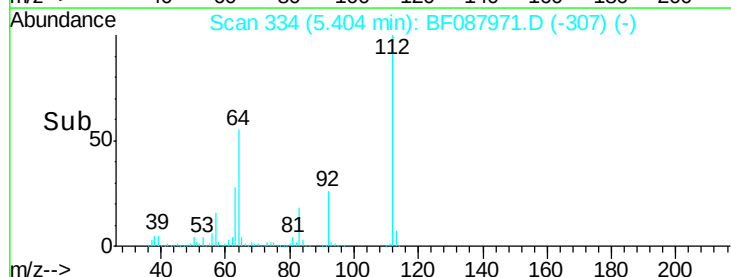
63 28.1 21.8 32.8

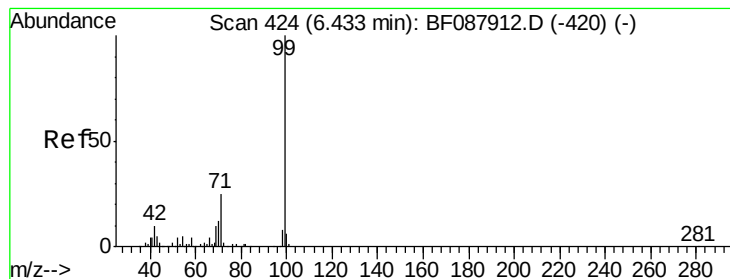


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.52 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

Instrument :

BNA_F

ClientSampleId :

STA-1141-(0-4)

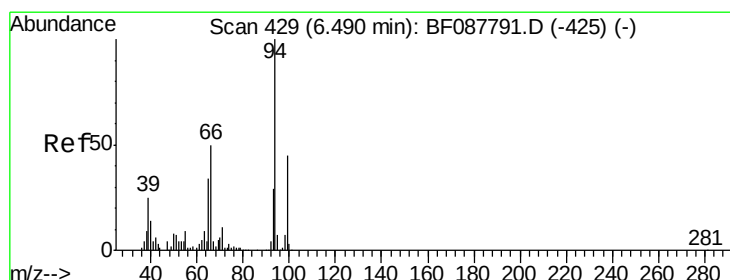
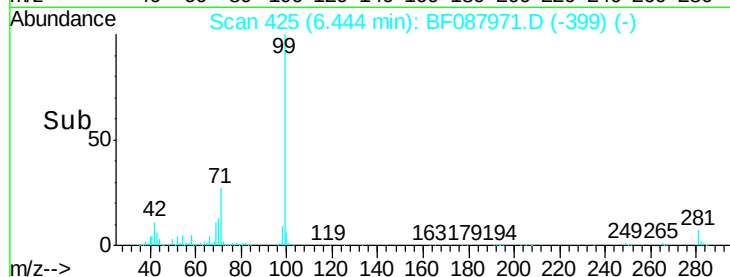
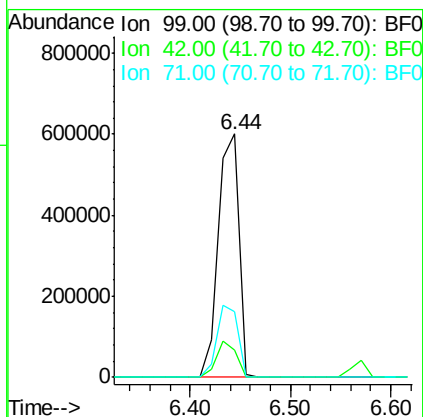
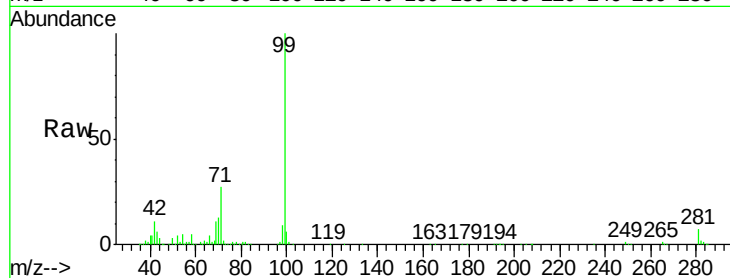
Tgt Ion: 99 Resp: 859490

Ion Ratio Lower Upper

99 100

42 11.4 12.2 18.2#

71 26.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.11 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

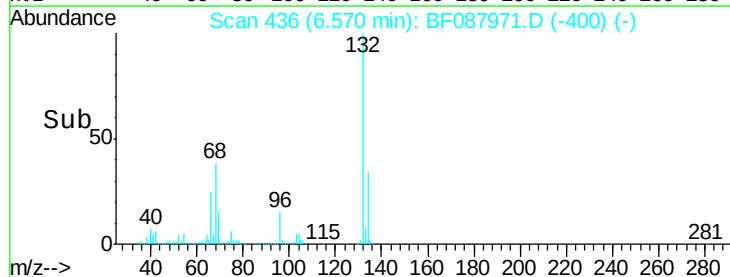
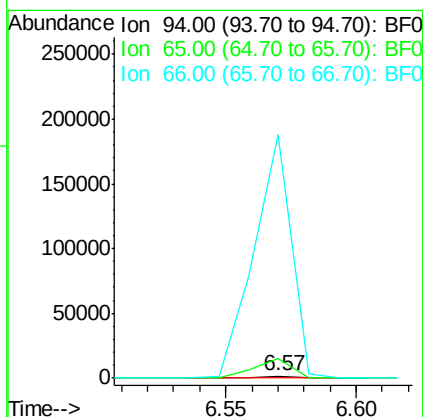
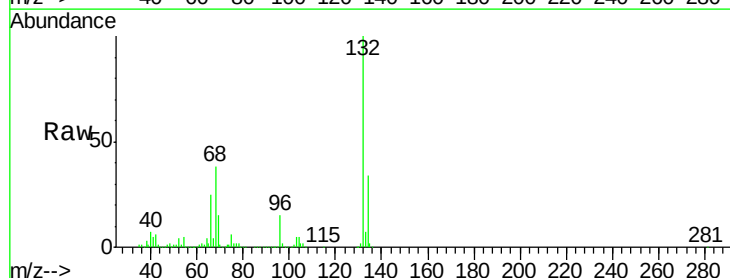
Tgt Ion: 94 Resp: 1429

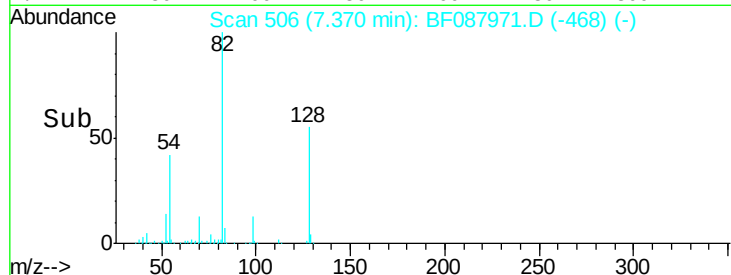
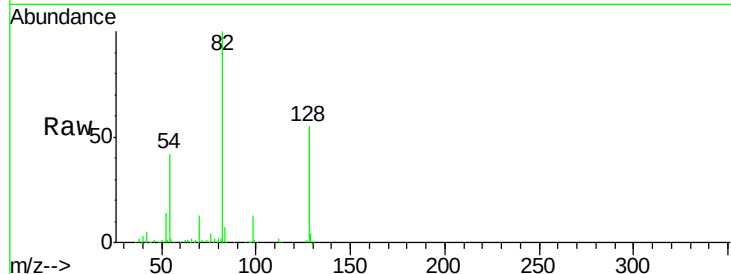
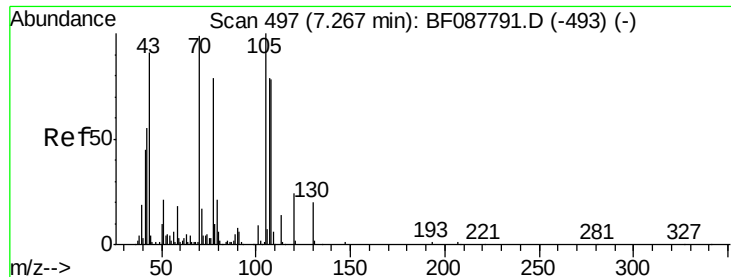
Ion Ratio Lower Upper

94 100

65 975.0 5.9 45.9#

66 11934.5 14.0 54.0#

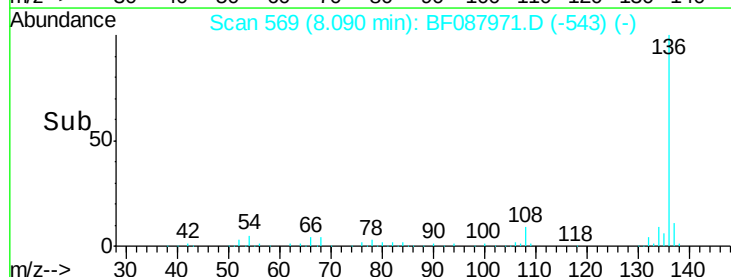
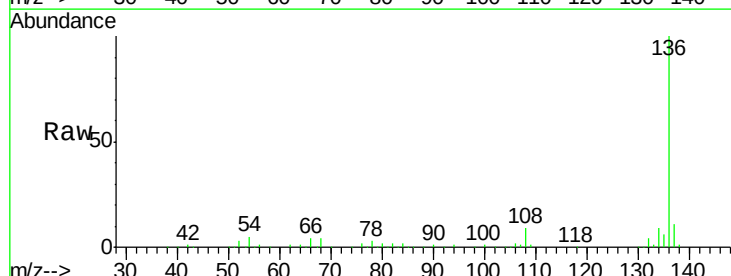
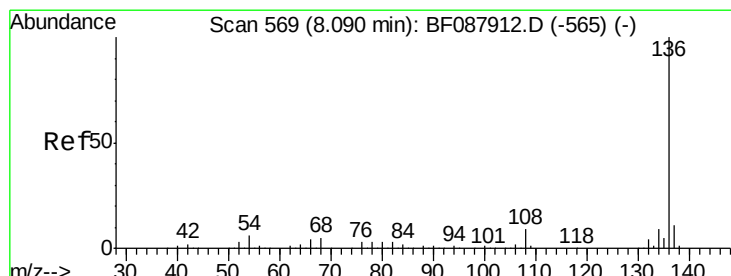
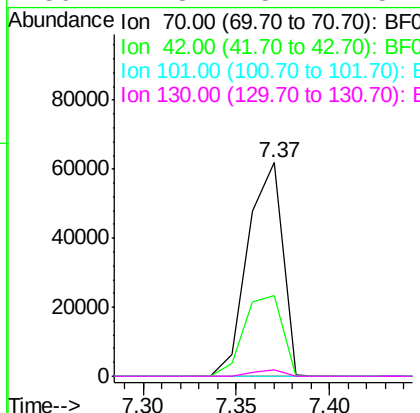




#19
n-Nitroso-di-n-propylamine
Concen: 15.65 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.14 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

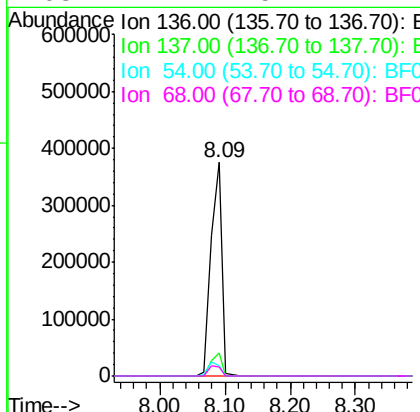
Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

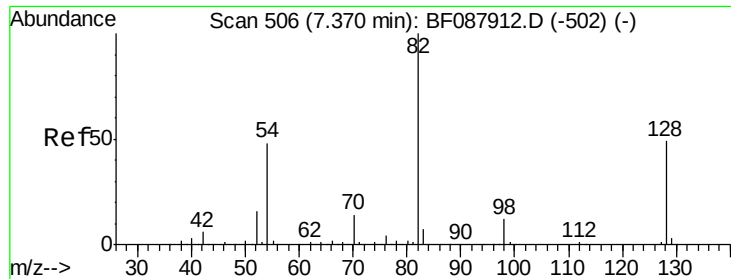
Tgt Ion: 70 Resp: 80042
Ion Ratio Lower Upper
70 100
42 37.8 49.6 74.4#
101 0.0 7.1 10.7#
130 2.8 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Tgt Ion: 136 Resp: 440877
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.1 6.6 10.0#
68 4.4 5.1 7.7#

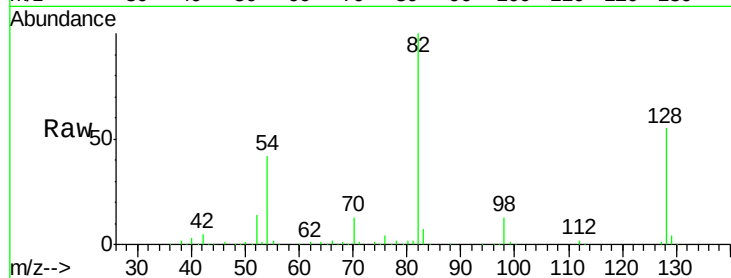




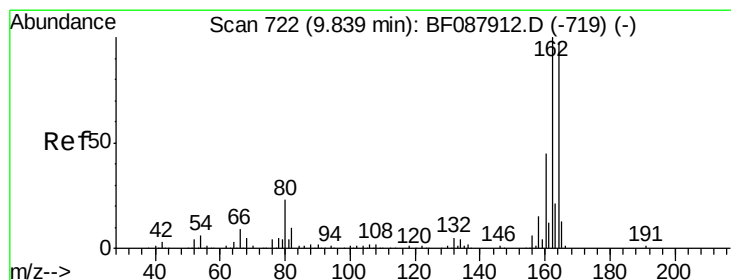
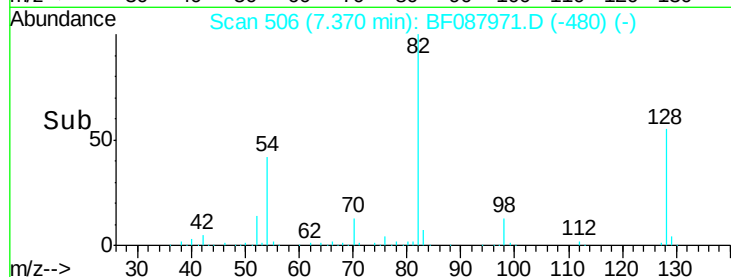
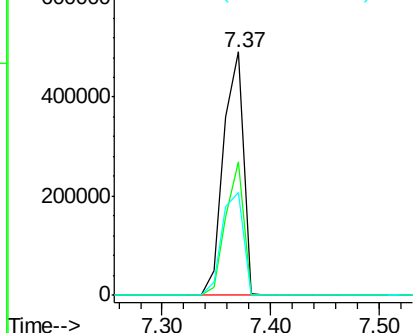
#23
 Nitrobenzene-d5
 Concen: 82.51 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.1	35.9	53.9#
54	42.4	40.9	61.3

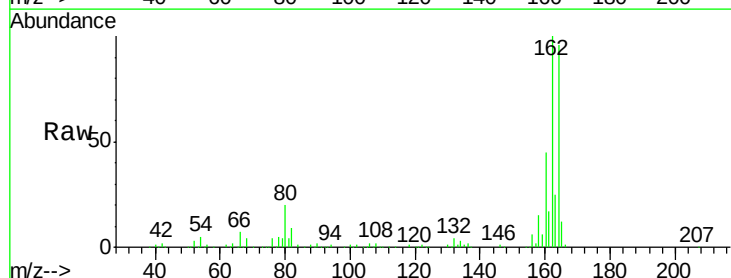


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

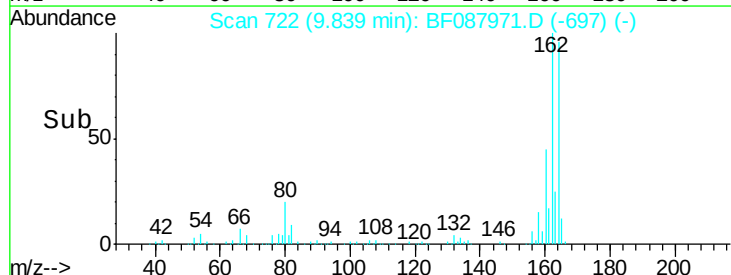
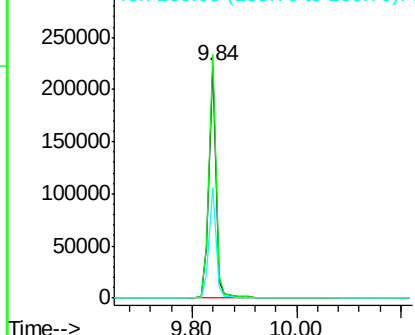


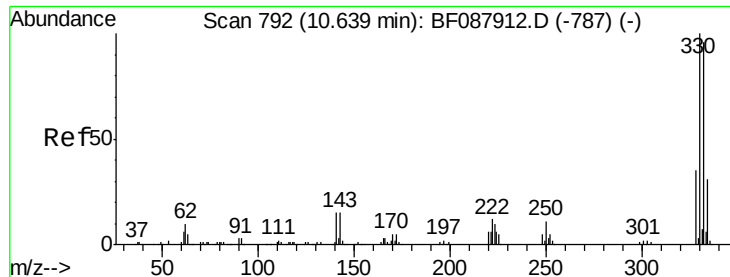
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	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

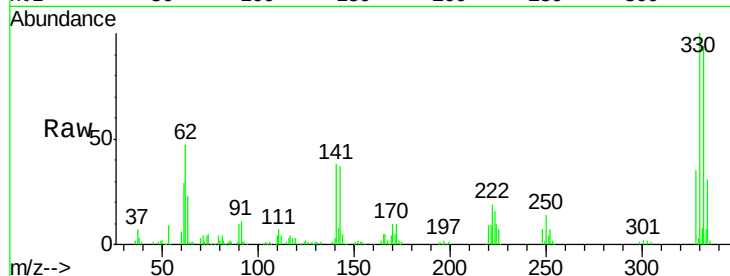




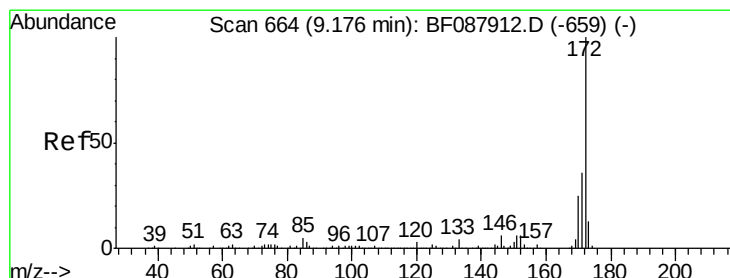
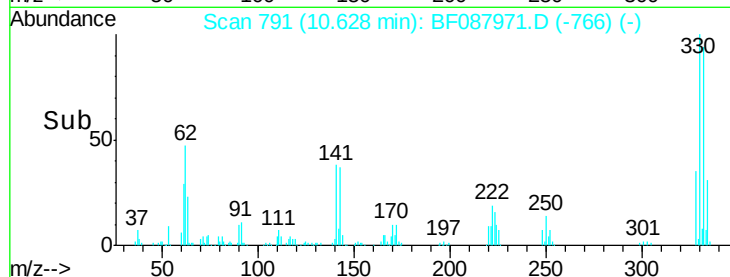
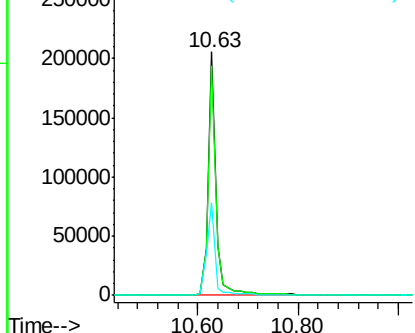
#41
 2,4,6-Tribromophenol
 Concen: 101.09 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Tgt Ion: 330 Resp: 225092
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 41.1 0.0 0.0#

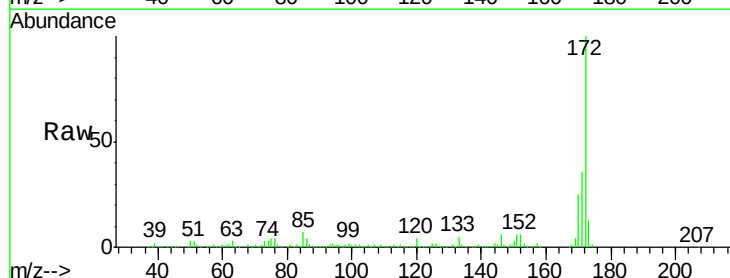


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

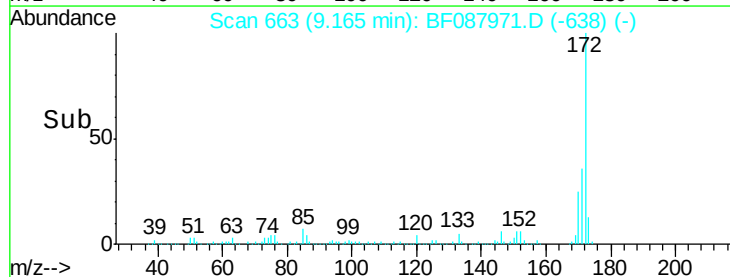
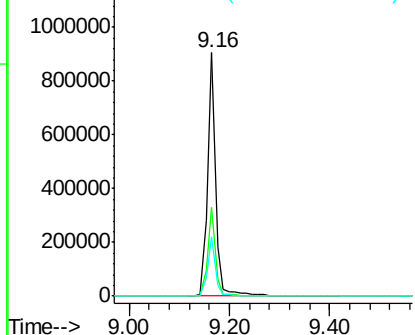


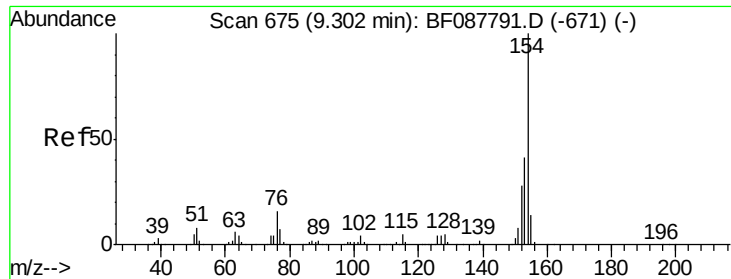
#44
 2-Fluorobiphenyl
 Concen: 75.87 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Tgt Ion: 172 Resp: 1026461
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.5 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: 9.16 min Scan# 663

Delta R.T. -0.11 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

Instrument :

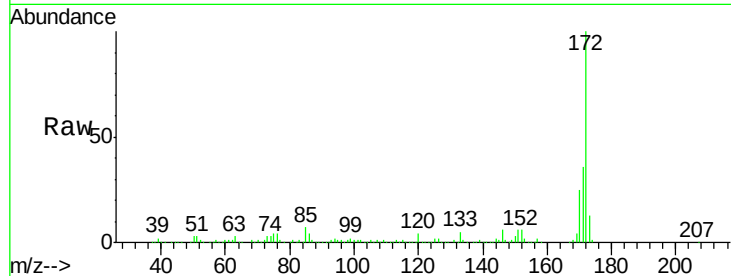
BNA_F

ClientSampleId :

STA-1141-(0-4)

Tgt Ion:154 Resp: 1802

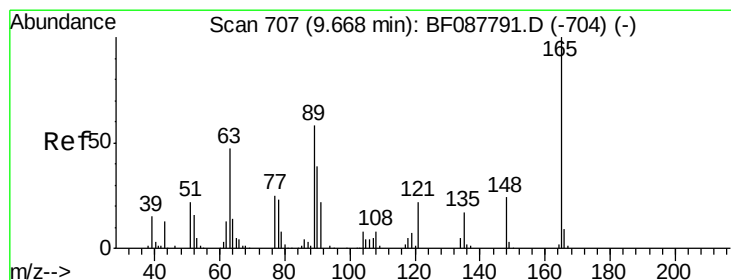
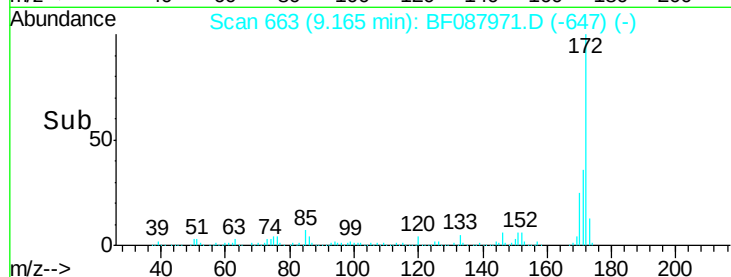
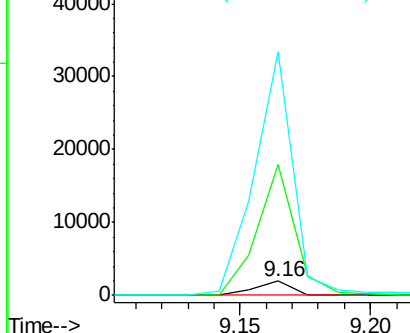
Ion	Ratio	Lower	Upper
154	100		
153	932.7	20.6	60.6#
76	1731.5	0.0	35.1#



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: 7.50 ng

RT: 9.84 min Scan# 722

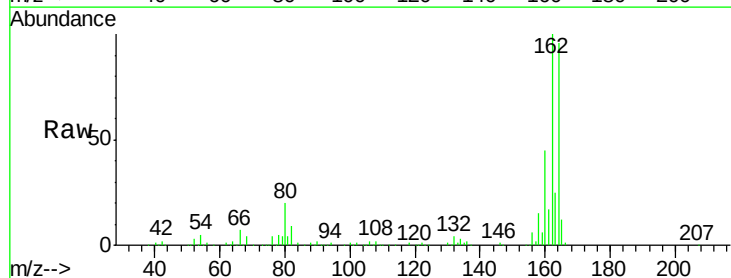
Delta R.T. 0.19 min

Lab File: BF087971.D

Acq: 13 Jun 2016 2:21

Tgt Ion:165 Resp: 26226

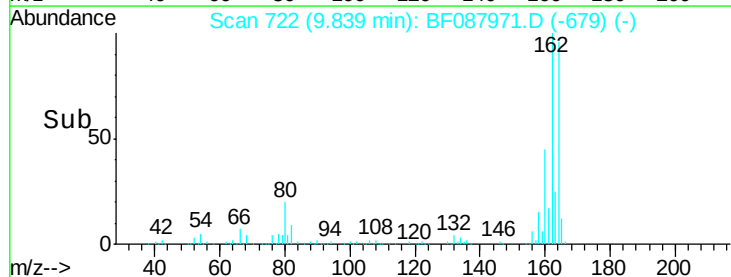
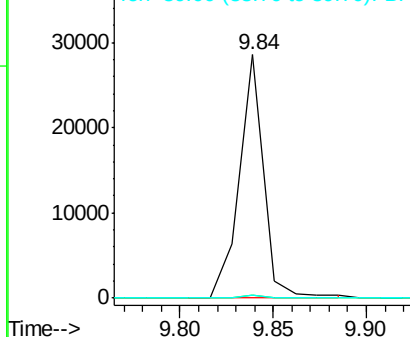
Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.2	32.2	48.2#

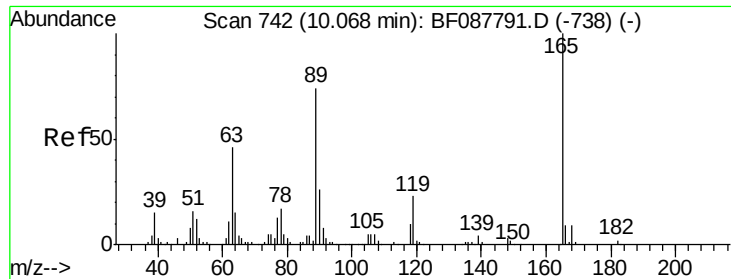


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

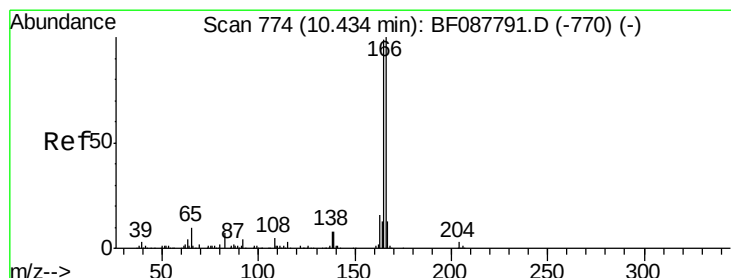
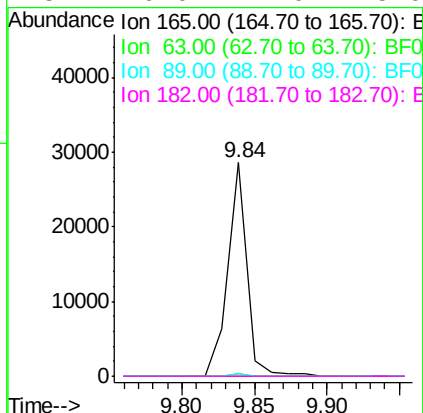
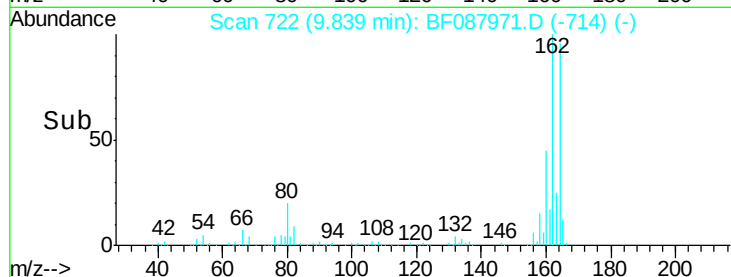
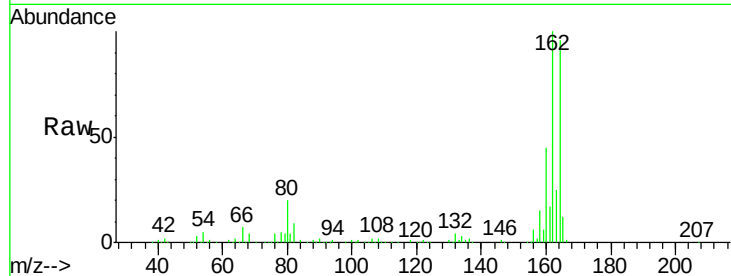




#56
2,4-Dinitrotoluene
Concen: 5.83 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.21 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

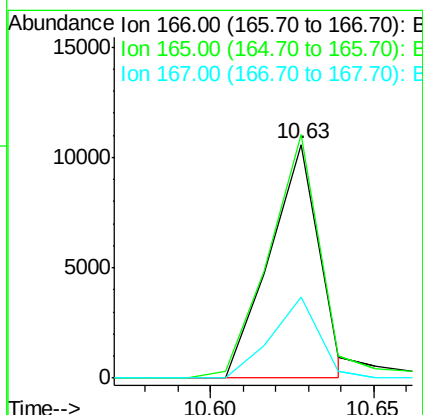
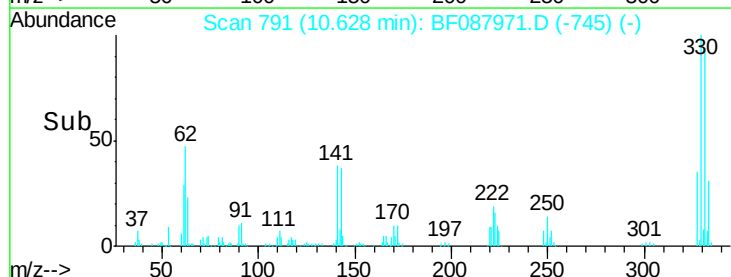
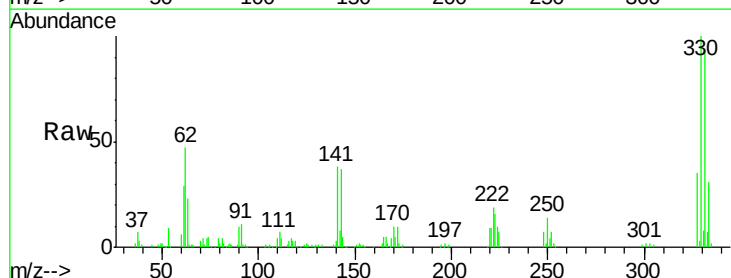
Instrument :
BNA_F
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STA-1141-(0-4)

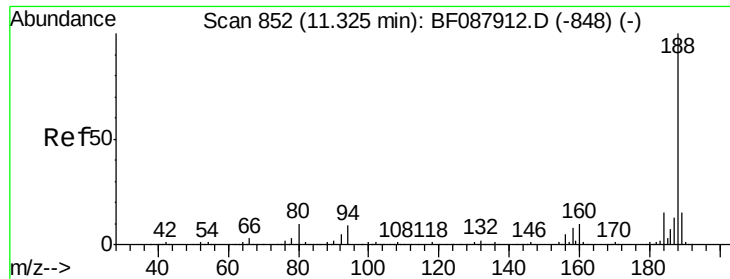
Tgt Ion:165 Resp: 26223
Ion Ratio Lower Upper
165 100
63 1.3 22.0 33.0#
89 1.2 41.1 61.7#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.63 min Scan# 791
Delta R.T. 0.23 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Tgt Ion:166 Resp: 11132
Ion Ratio Lower Upper
166 100
165 104.1 77.8 116.8
167 34.5 11.2 16.8#

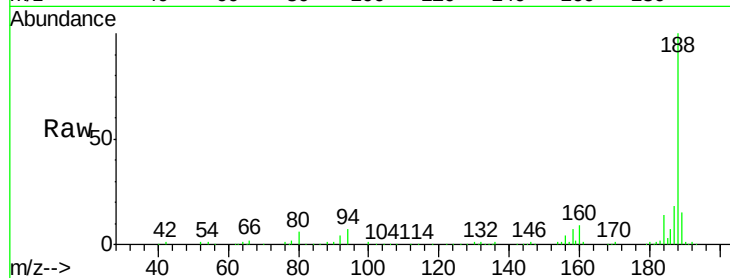




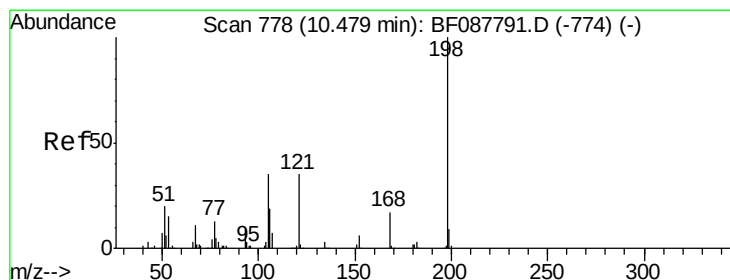
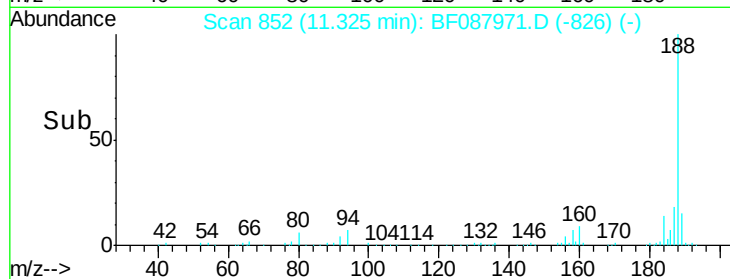
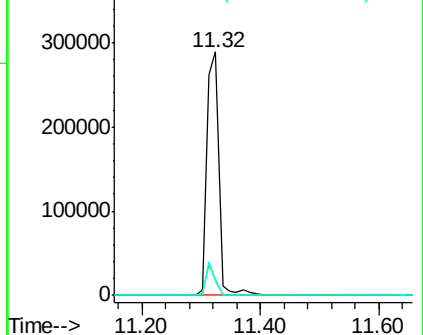
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tgt Ion:188 Resp: 406214
Ion Ratio Lower Upper
188 100
94 6.6 9.0 13.6#
80 6.2 10.0 15.0#

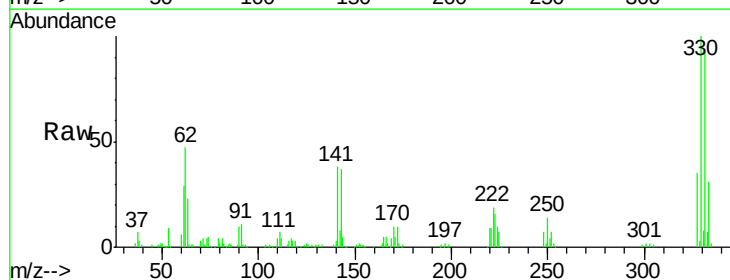


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

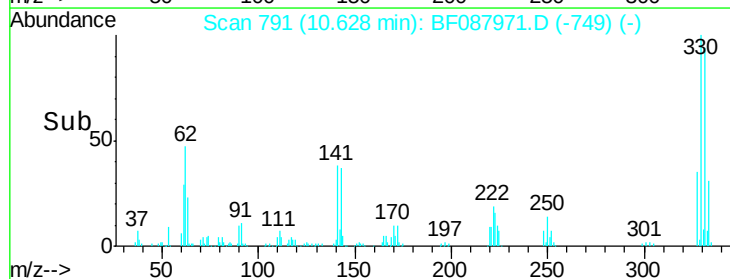
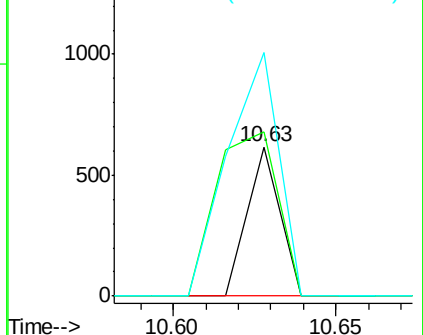


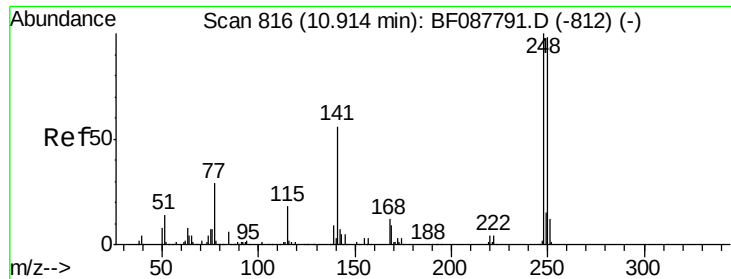
#64
4,6-Dinitro-2-methylphenol
Concen: 2.32 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.18 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Tgt Ion:198 Resp: 424
Ion Ratio Lower Upper
198 100
51 109.5 39.6 79.6#
105 162.9 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

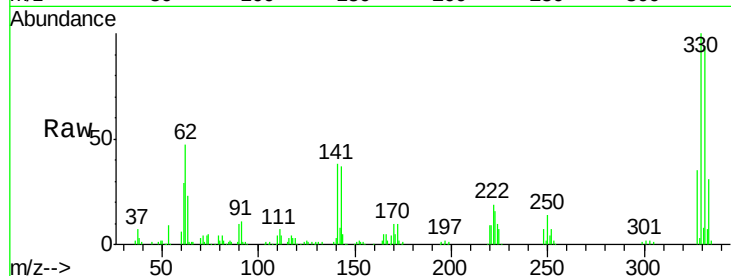




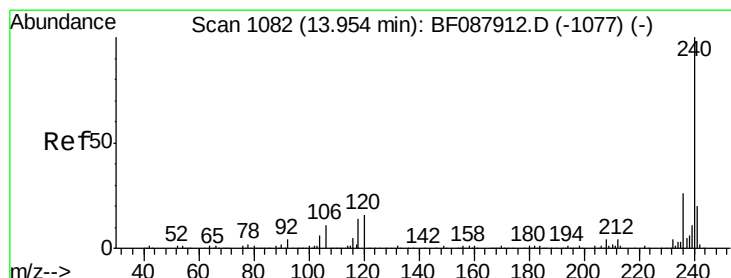
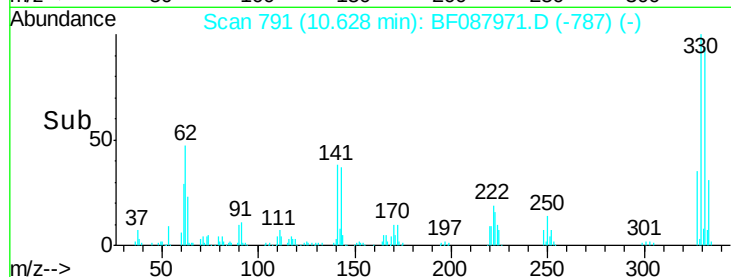
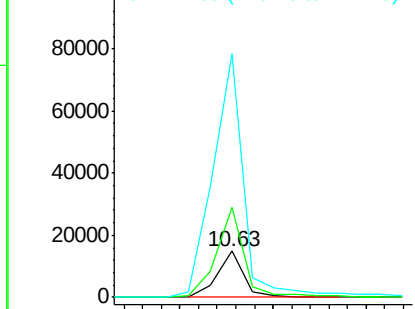
#66
4-Bromophenyl-phenylether
Concen: 3.37 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Instrument :
BNA_F
ClientSampleId :
STA-1141-(0-4)

Tgt Ion:248 Resp: 14682
Ion Ratio Lower Upper
248 100
250 194.2 77.1 115.7#
141 528.1 50.6 76.0#

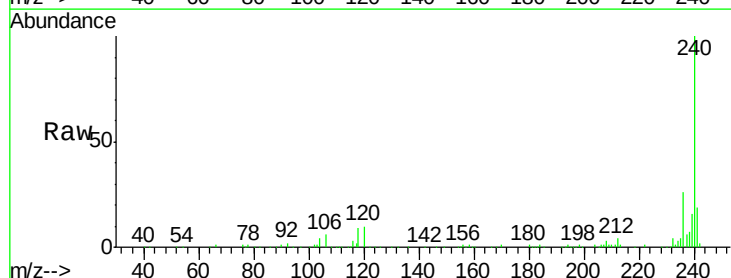


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

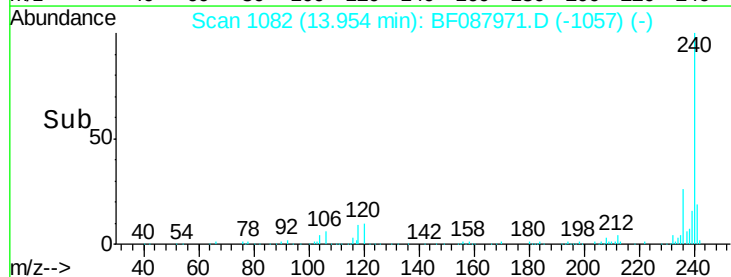
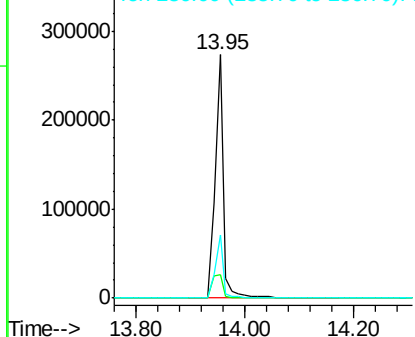


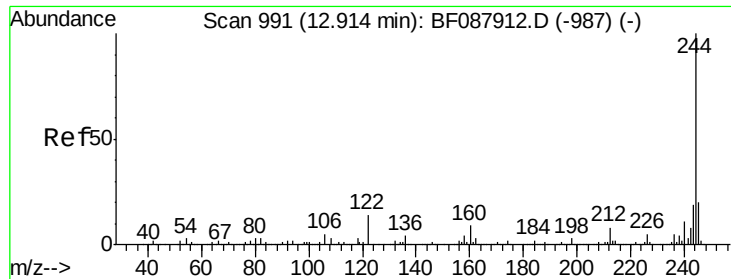
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BF087971.D
Acq: 13 Jun 2016 2:21

Tgt Ion:240 Resp: 296095
Ion Ratio Lower Upper
240 100
120 9.5 6.8 10.2
236 26.0 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

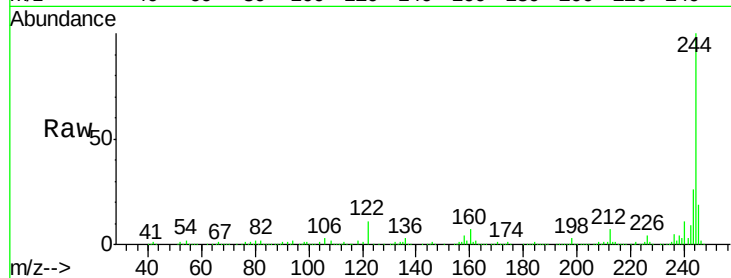




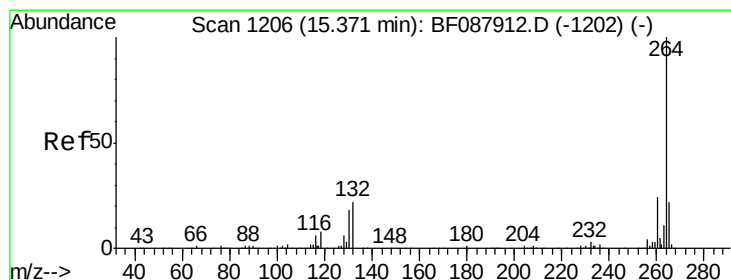
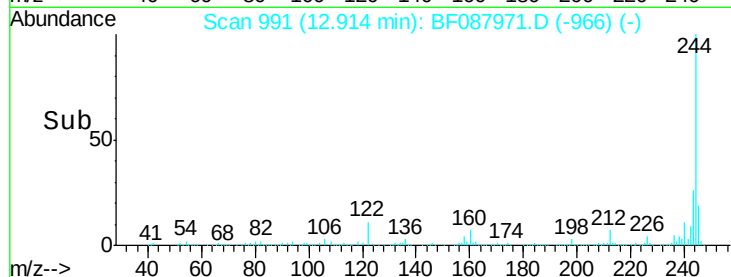
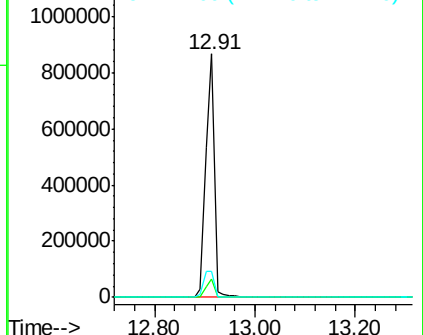
#78
 Terphenyl-d14
 Concen: 78.57 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Instrument :
 BNA_F
 ClientSampleId :
 STA-1141-(0-4)

Tgt Ion:244 Resp: 1022348
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.7 11.2 16.8#

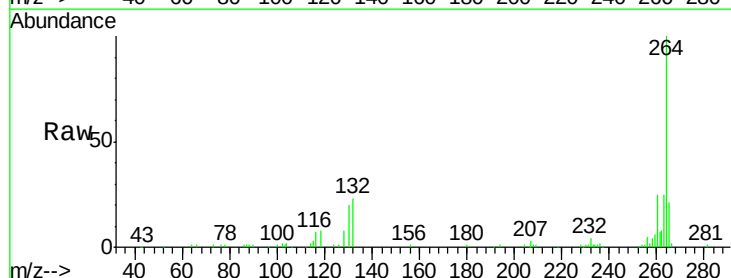


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF087971.D
 Acq: 13 Jun 2016 2:21

Tgt Ion:264 Resp: 134798
 Ion Ratio Lower Upper
 264 100
 260 24.7 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

