

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087945.D
 Acq On : 12 Jun 2016 13:10
 Operator : UM/SJ
 Sample : H3425-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW1

Quant Time: Jun 13 01:17:02 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 01:05:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115134	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	463360	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	222486	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	426014	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	310065	20.00	ng	-0.03
86) Perylene-d12	15.37	264	237122	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	386198	57.34	ng	-0.05
7) Phenol-d6	6.43	99	325929	39.93	ng	-0.05
23) Nitrobenzene-d5	7.37	82	687070	86.59	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	242610	103.27	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1168423	82.33	ng	-0.05
78) Terphenyl-d14	12.91	244	970686	71.24	ng	-0.03

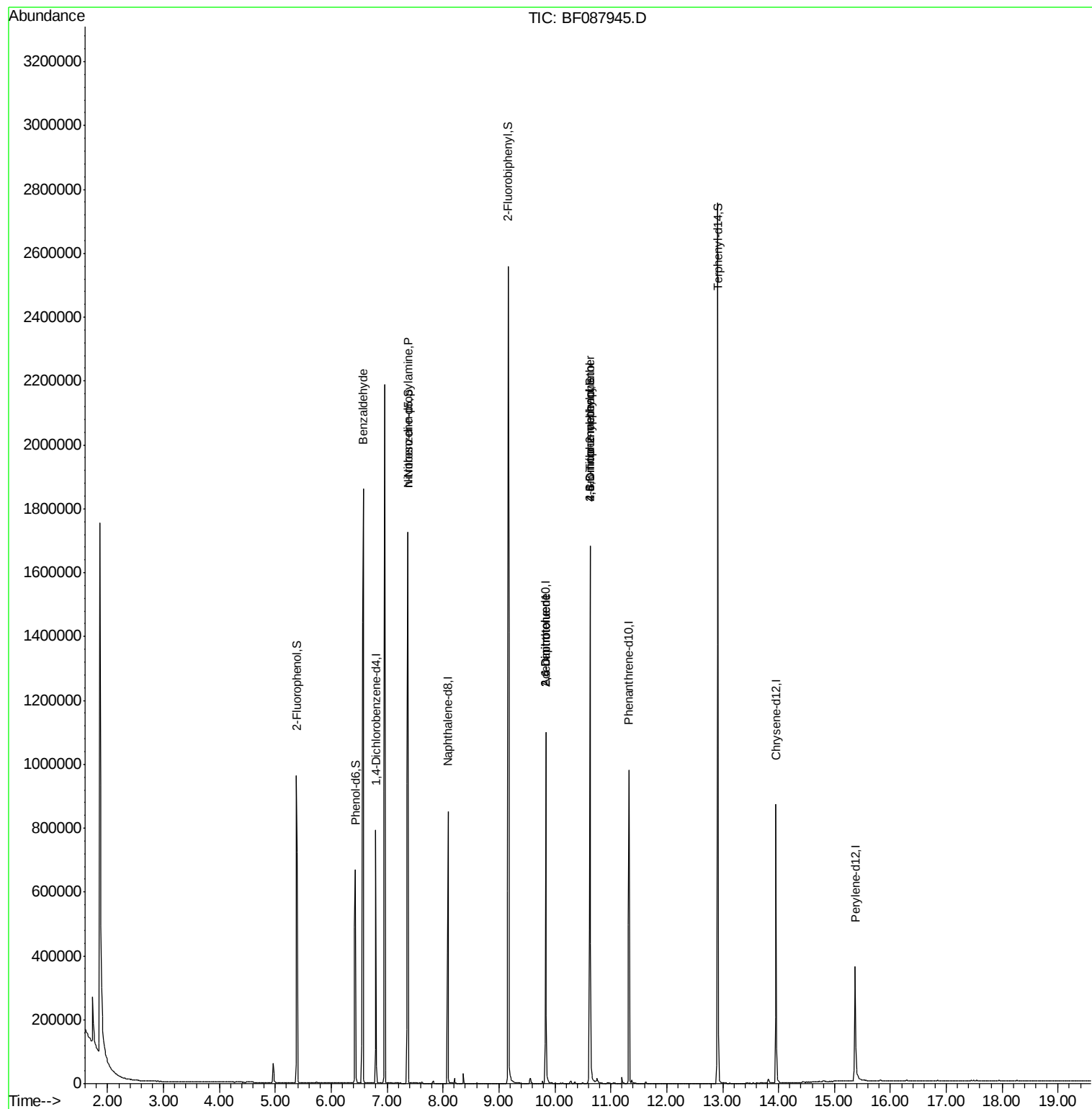
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	15178	2.67	ng	# 77
10) Phenol	6.44	94	3028	Below	Cal	96
19) n-Nitroso-di-n-propylamine	7.37	70	90091	17.25	ng	# 70
45) 1,1'-Biphenyl	9.16	154	2058	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	28531	7.73	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	28532	6.02	ng	# 38
57) Fluorene	10.63	166	11063	Below	Cal	# 91
64) 4,6-Dinitro-2-methylphenol	10.63	198	405	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14648	3.21	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: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

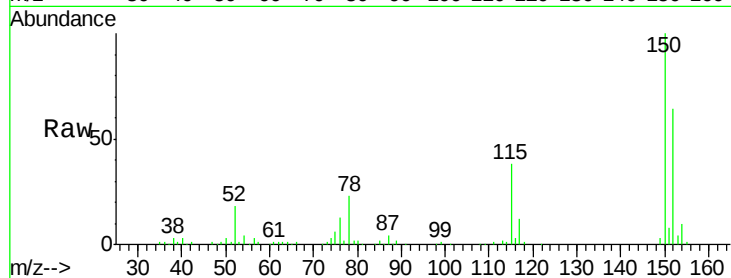
Tgt Ion:152 Resp: 115134

Ion Ratio Lower Upper

152 100

150 156.0 123.8 185.6

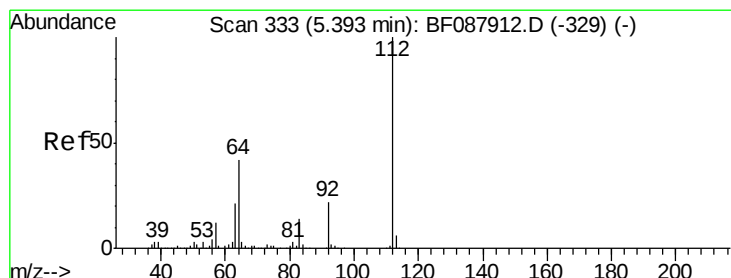
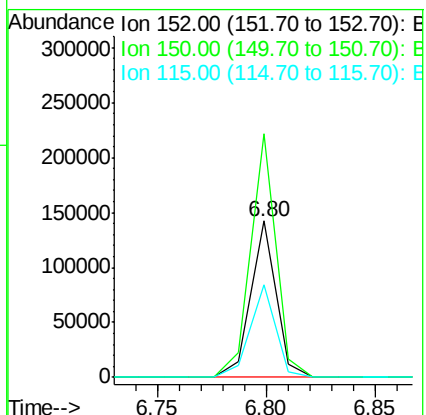
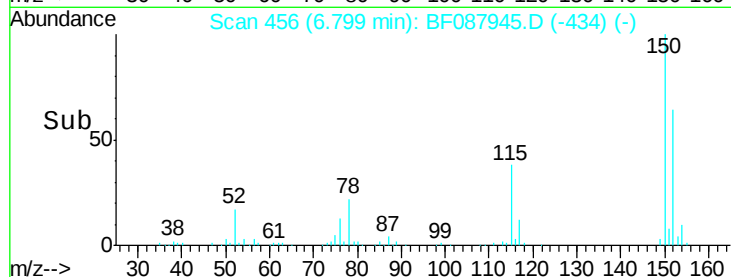
115 59.3 39.6 59.4



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: 57.34 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

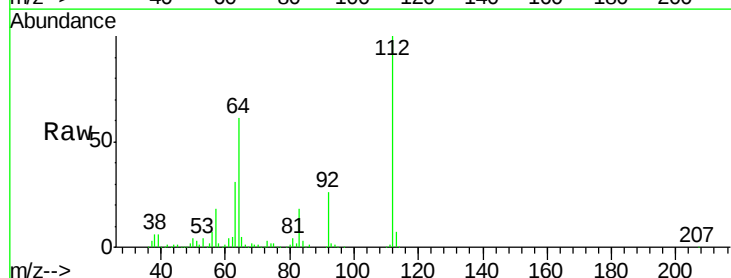
Tgt Ion:112 Resp: 386198

Ion Ratio Lower Upper

112 100

64 60.9 42.2 63.2

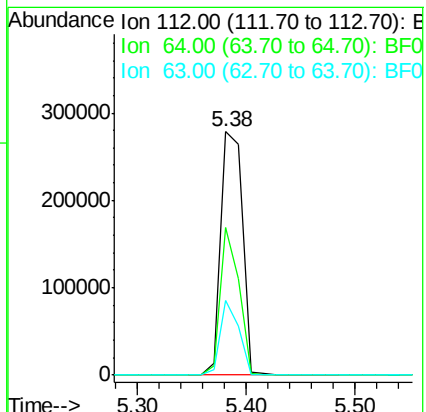
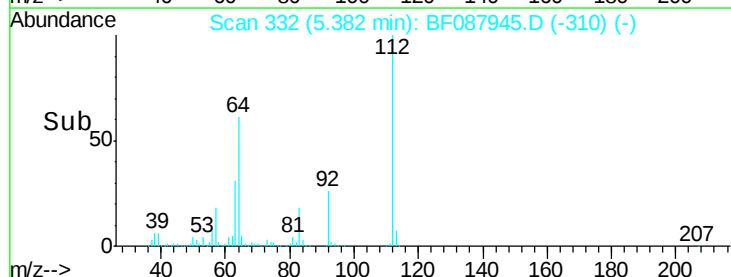
63 30.7 21.8 32.8



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: 39.93 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

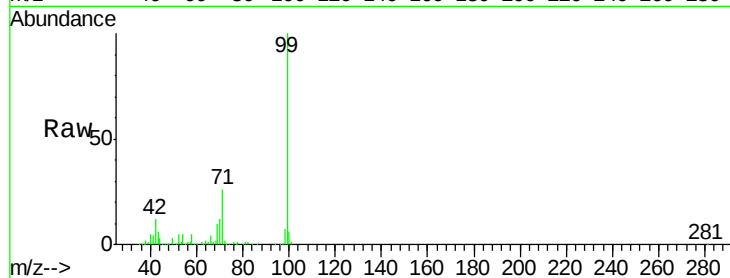
Tgt Ion: 99 Resp: 325929

Ion Ratio Lower Upper

99 100

42 11.5 12.2 18.2#

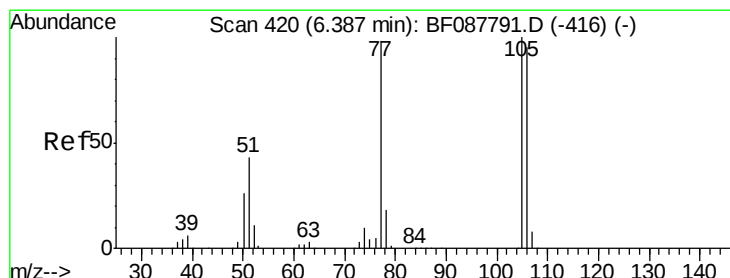
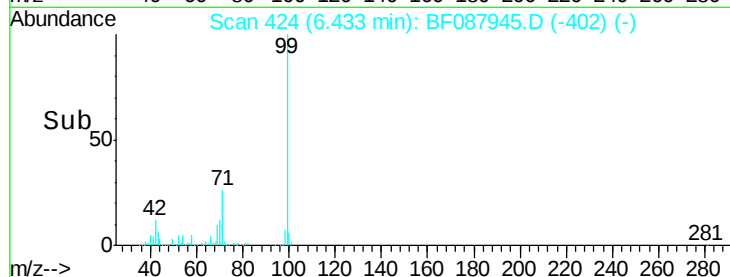
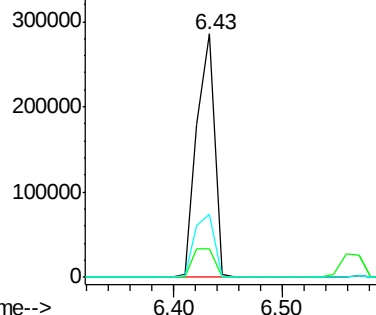
71 26.1 23.4 35.0



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: 2.67 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

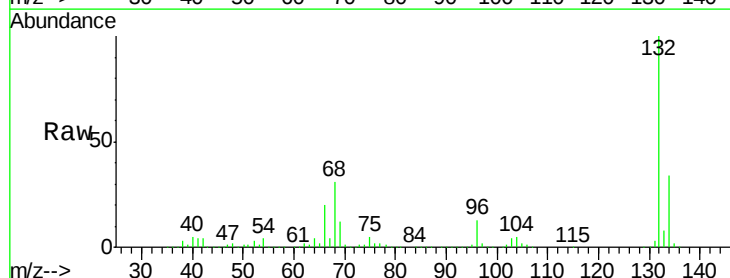
Tgt Ion: 77 Resp: 15178

Ion Ratio Lower Upper

77 100

105 90.0 90.6 130.6#

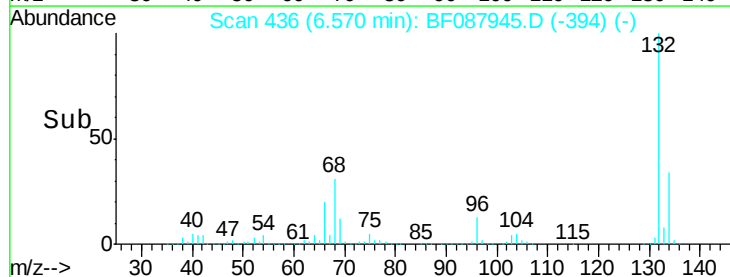
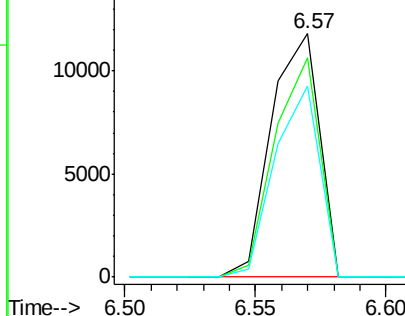
106 78.5 85.3 125.3#

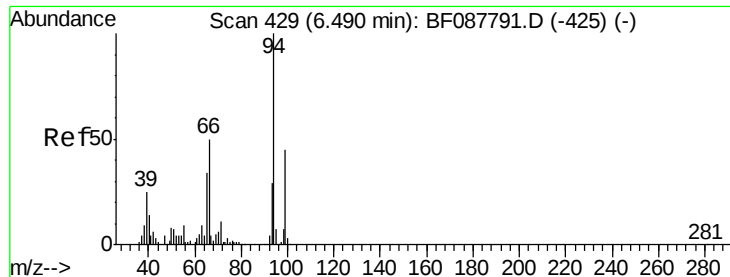


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

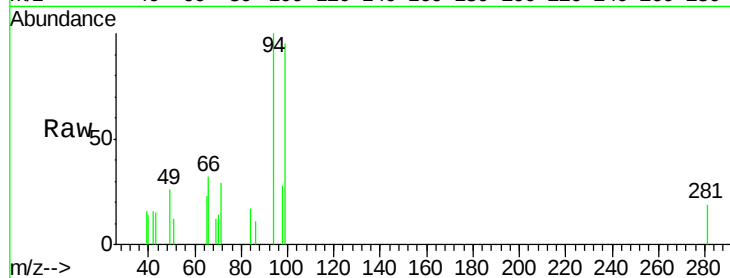
Tgt Ion: 94 Resp: 3028

Ion Ratio Lower Upper

94 100

65 23.2 5.9 45.9

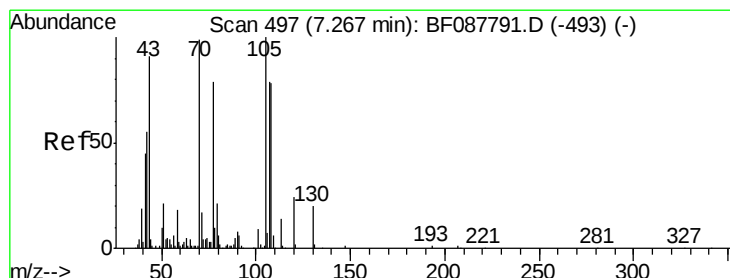
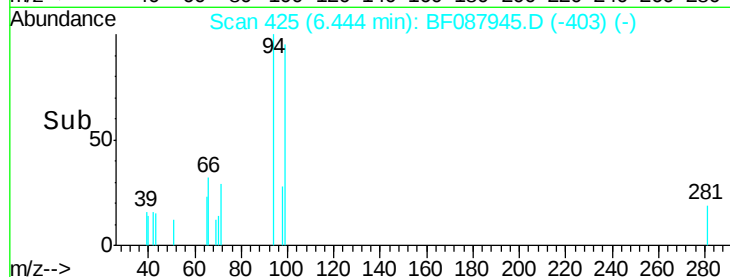
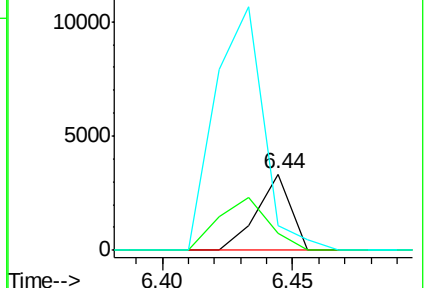
66 32.2 14.0 54.0



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: 17.25 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Tgt Ion: 70 Resp: 90091

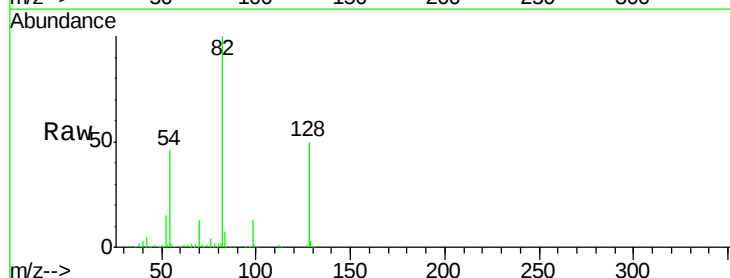
Ion Ratio Lower Upper

70 100

42 40.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

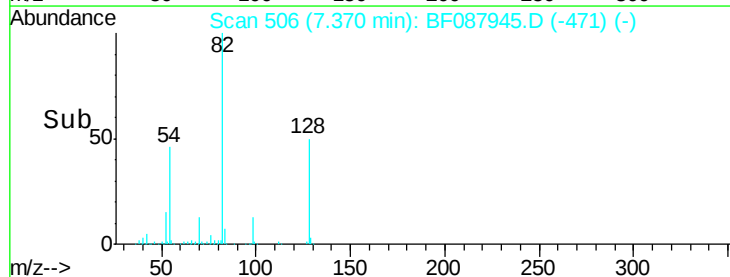
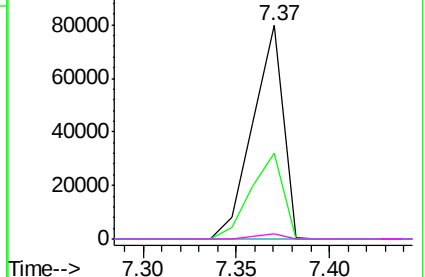


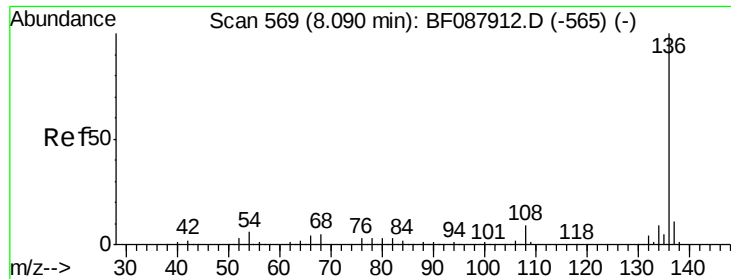
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

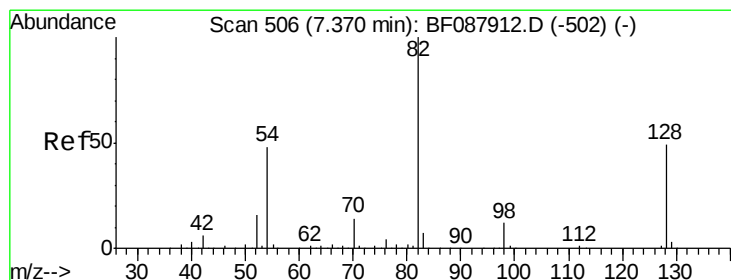
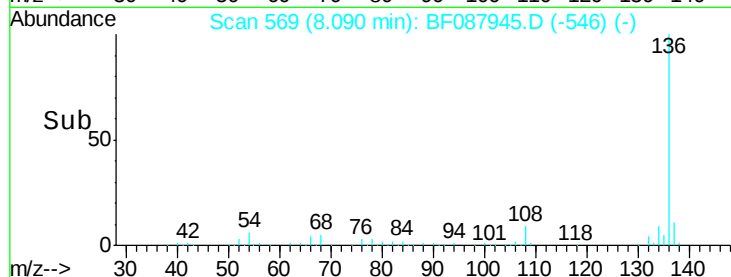
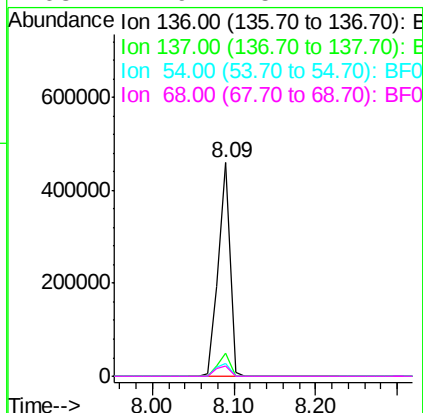
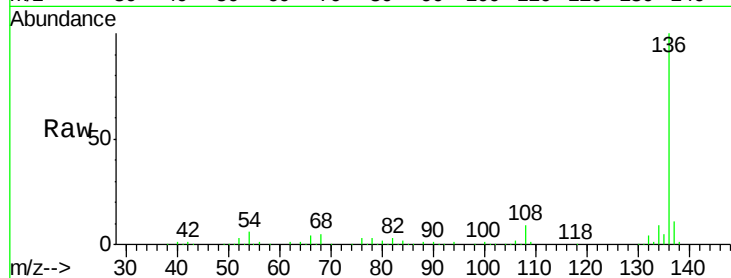




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087945.D
Acq: 12 Jun 2016 13:10

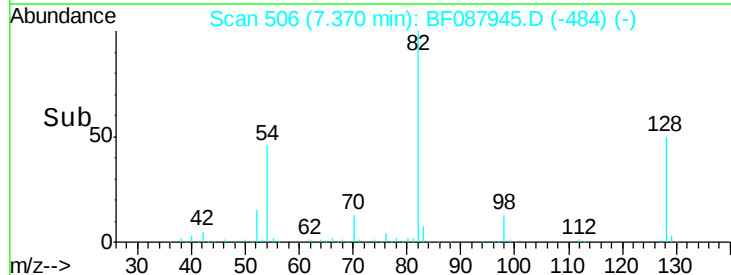
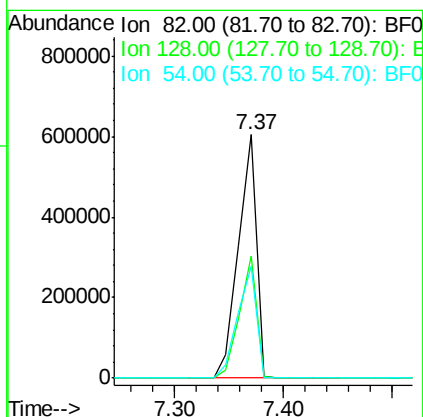
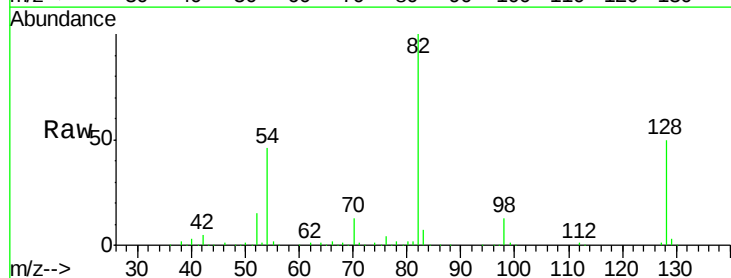
Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

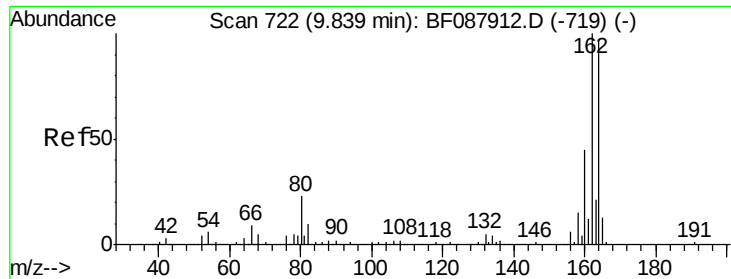
Tgt Ion: 136 Resp: 463360
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 5.7 6.6 10.0#
68 4.9 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 86.59 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087945.D
Acq: 12 Jun 2016 13:10

Tgt Ion: 82 Resp: 687070
Ion Ratio Lower Upper
82 100
128 50.4 35.9 53.9
54 46.1 40.9 61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

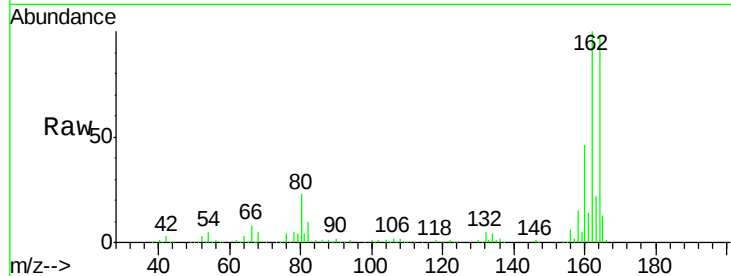
Tgt Ion:164 Resp: 222486

Ion Ratio Lower Upper

164 100

162 102.5 85.4 128.2

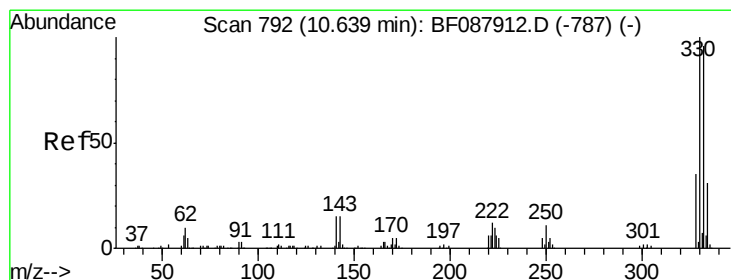
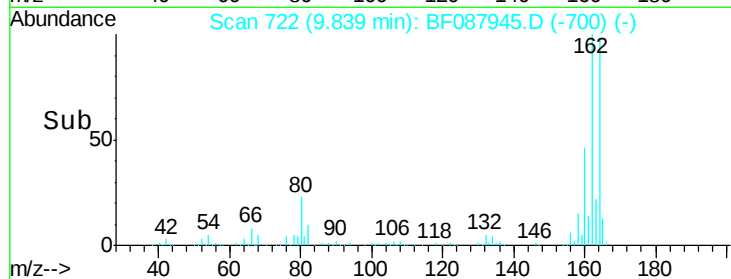
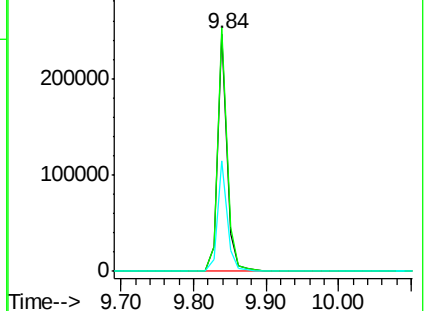
160 46.7 39.5 59.3



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: 103.27 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

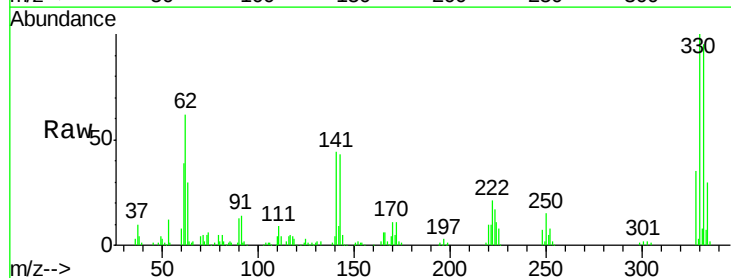
Tgt Ion:330 Resp: 242610

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

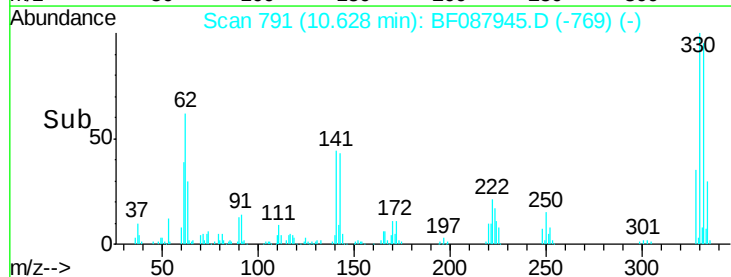
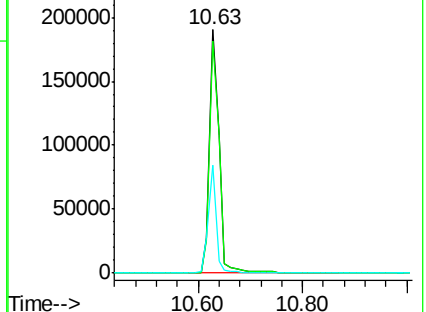
141 36.9 0.0 0.0#

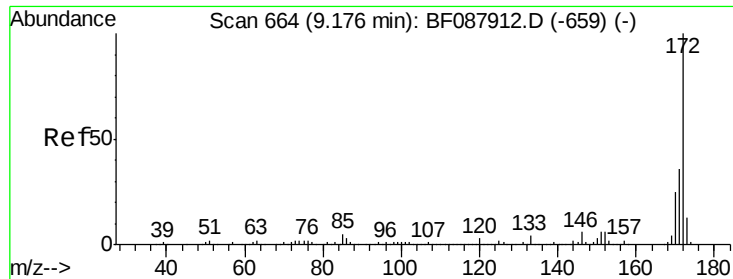


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

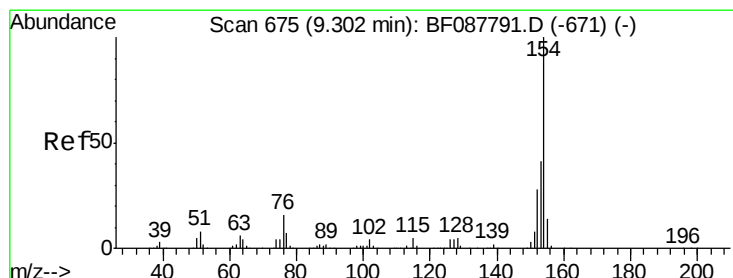
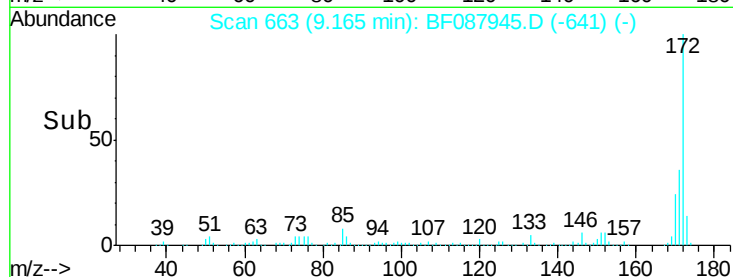
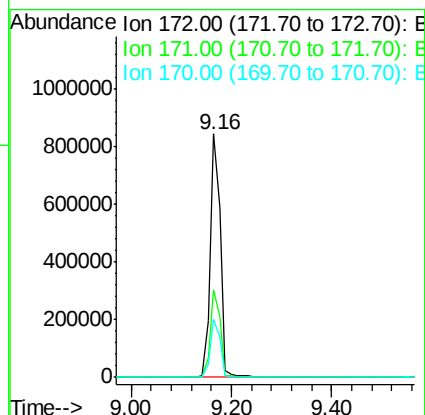
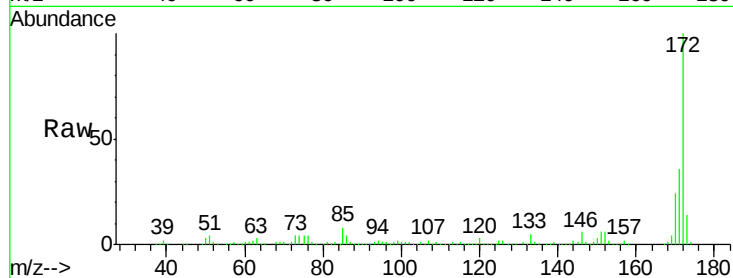




#44
 2-Fluorobiphenyl
 Concen: 82.33 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

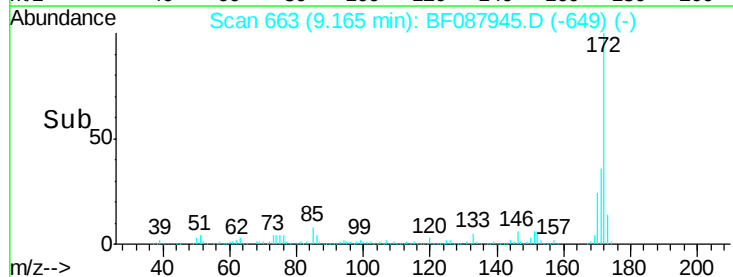
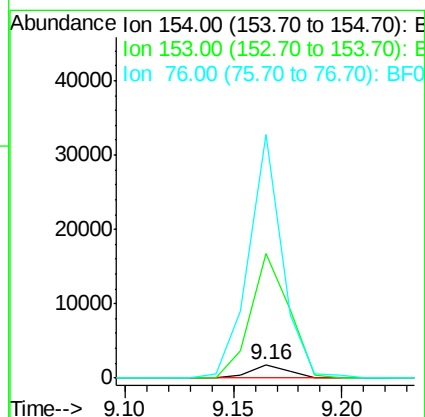
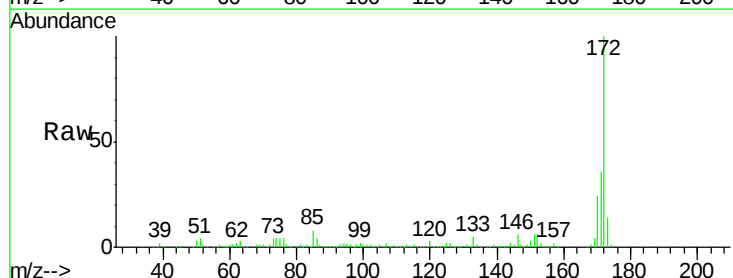
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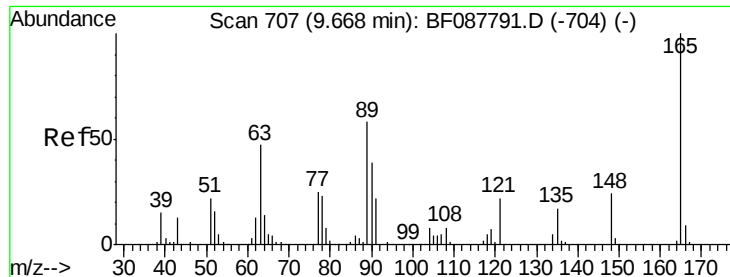
Tgt Ion:172 Resp: 1168423
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

Tgt Ion:154 Resp: 2058
 Ion Ratio Lower Upper
 154 100
 153 946.7 20.6 60.6#
 76 1841.6 0.0 35.1#

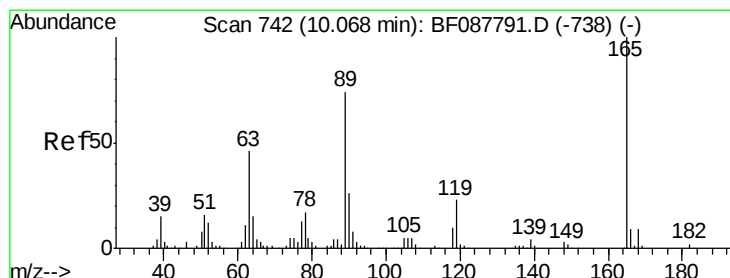
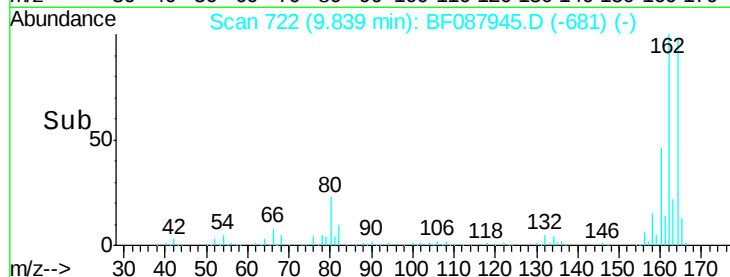
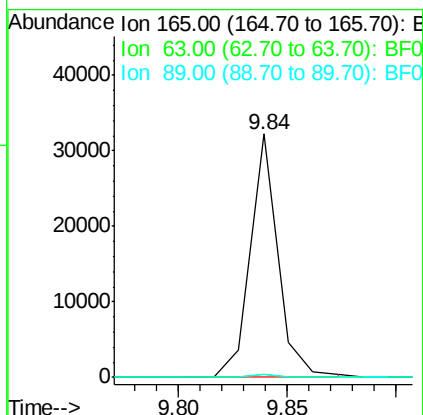
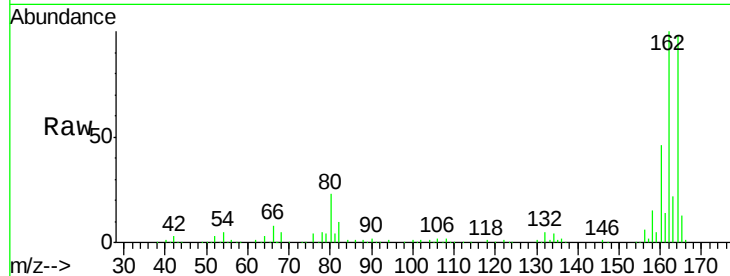




#50
 2,6-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

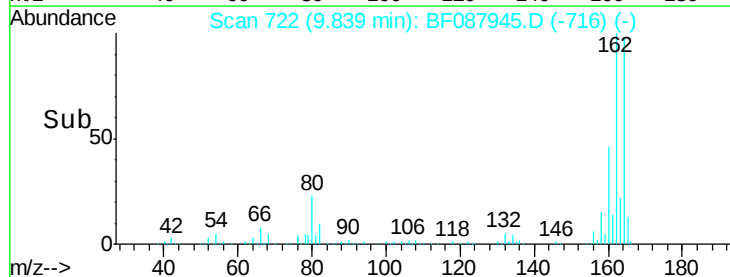
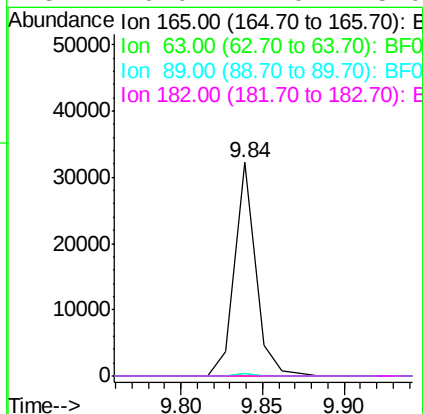
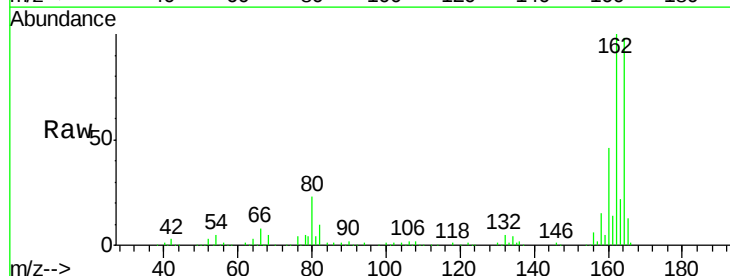
Instrument :
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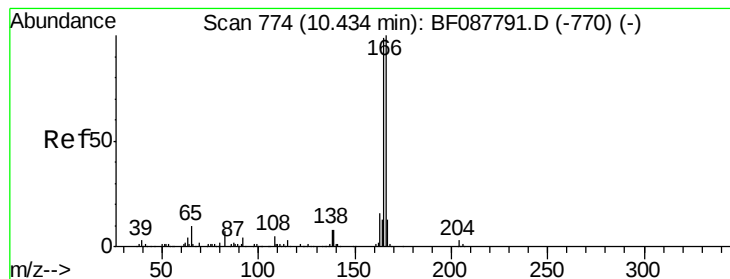
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	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. 0.19 min

Lab File: BF087945.D

Acq: 12 Jun 2016 13:10

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW1

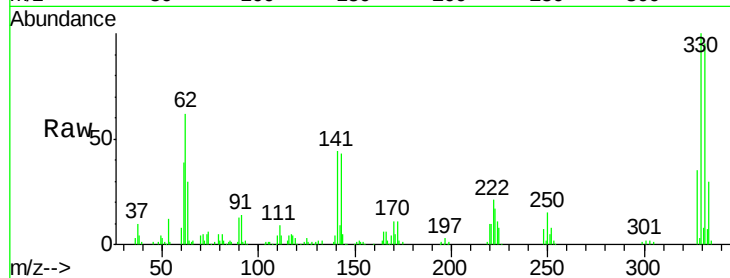
Tgt Ion:166 Resp: 11063

Ion Ratio Lower Upper

166 100

165 101.1 77.8 116.8

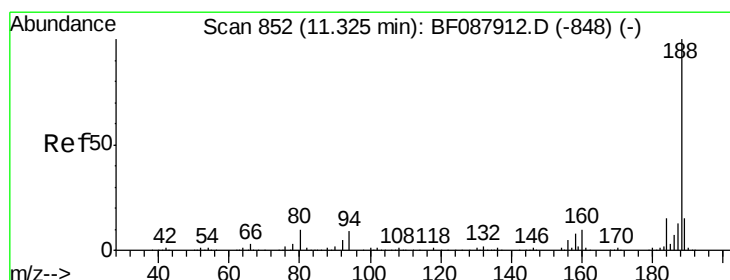
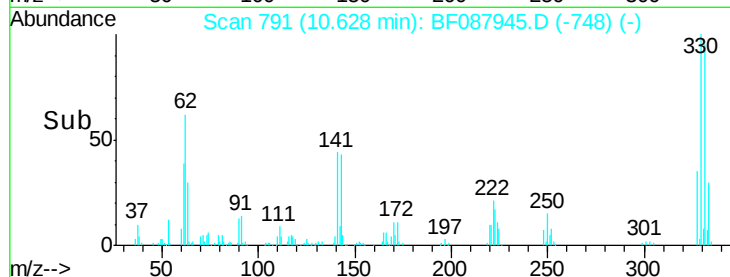
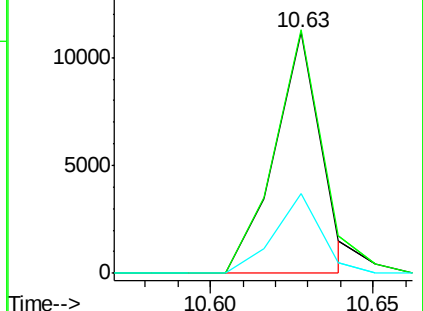
167 33.1 11.2 16.8#



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: BF087945.D

Acq: 12 Jun 2016 13:10

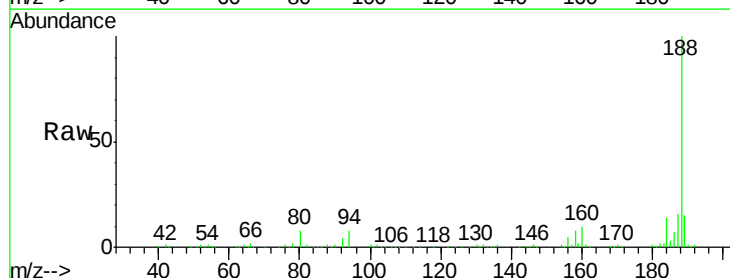
Tgt Ion:188 Resp: 426014

Ion Ratio Lower Upper

188 100

94 7.8 9.0 13.6#

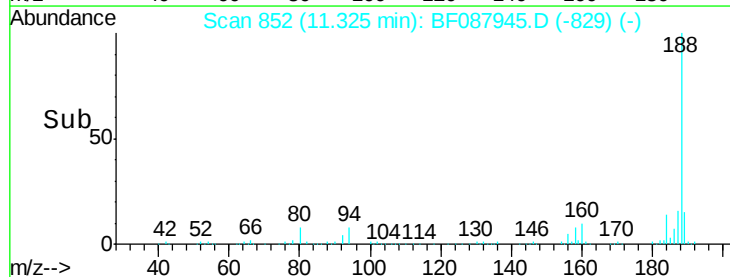
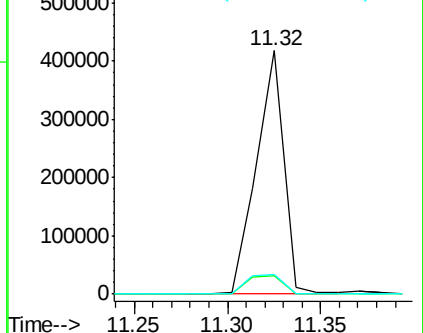
80 8.0 10.0 15.0#

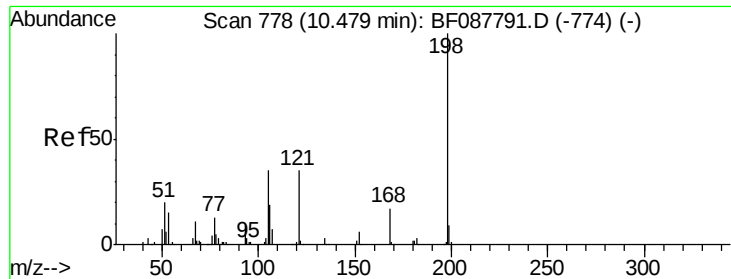


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

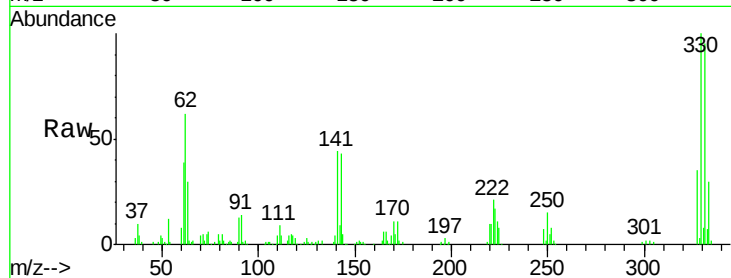




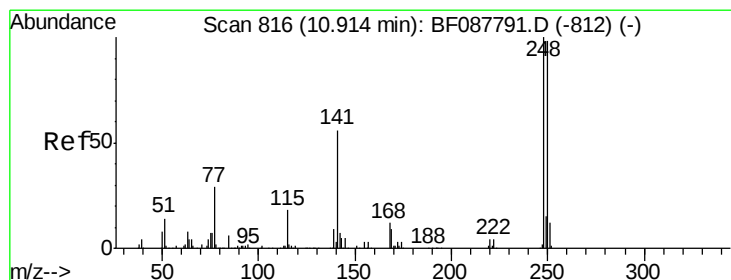
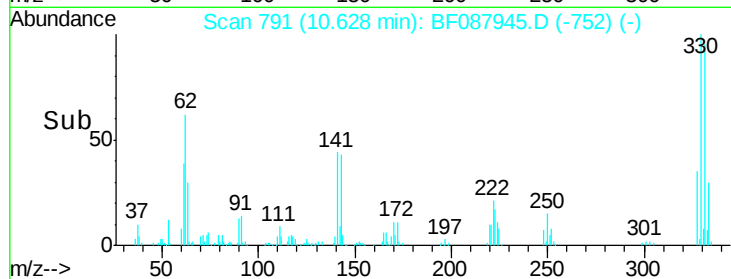
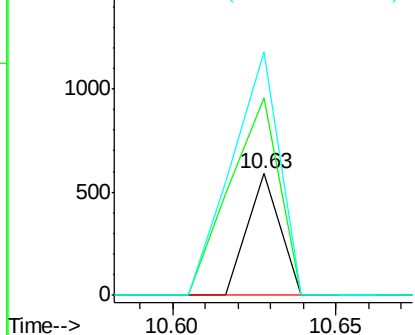
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.31 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW1

Tgt Ion:198 Resp: 405
 Ion Ratio Lower Upper
 198 100
 51 161.4 39.6 79.6#
 105 199.5 36.6 76.6#

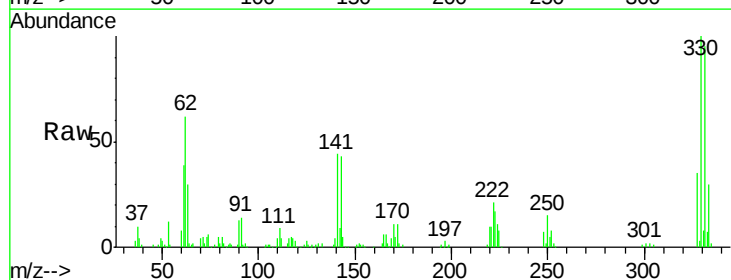


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

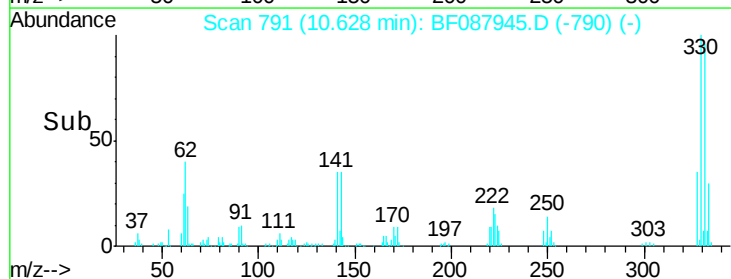
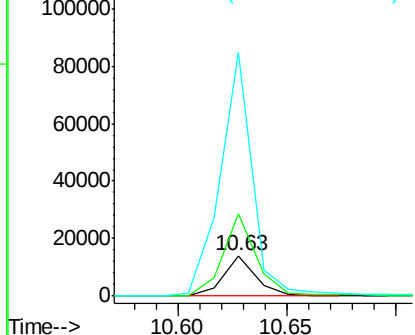


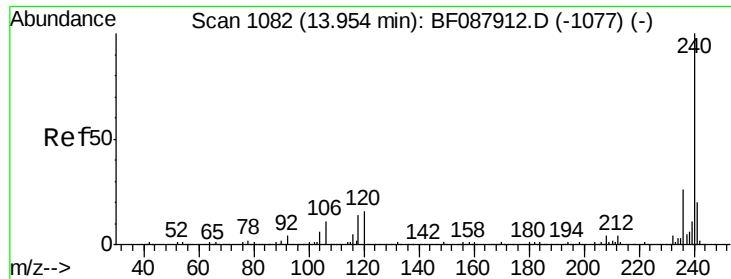
#66
 4-Bromophenyl-phenylether
 Concen: 3.21 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.29 min
 Lab File: BF087945.D
 Acq: 12 Jun 2016 13:10

Tgt Ion:248 Resp: 14648
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.1 115.7#
 141 597.7 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

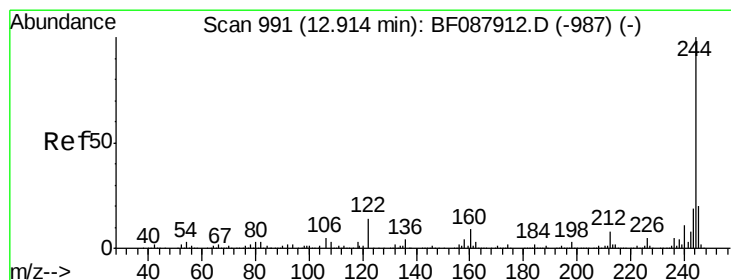
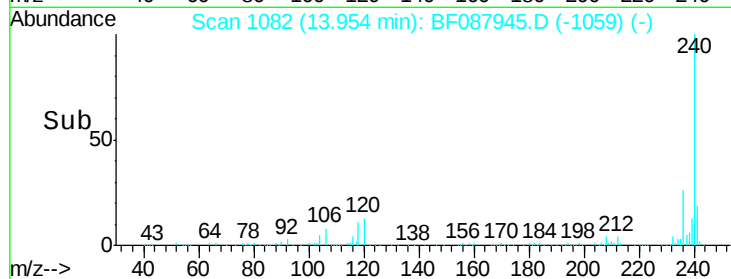
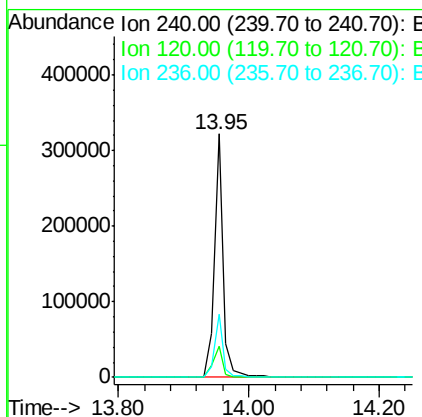
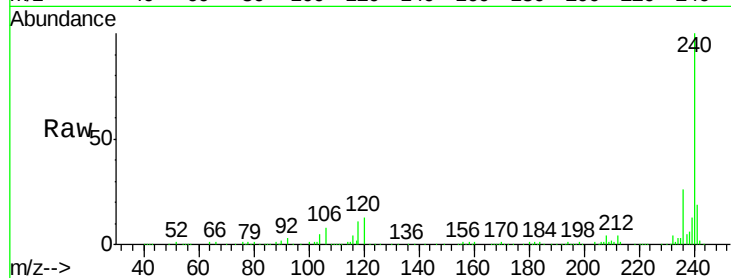




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087945.D
Acq: 12 Jun 2016 13:10

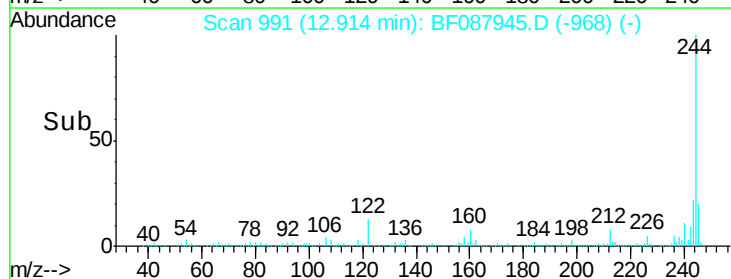
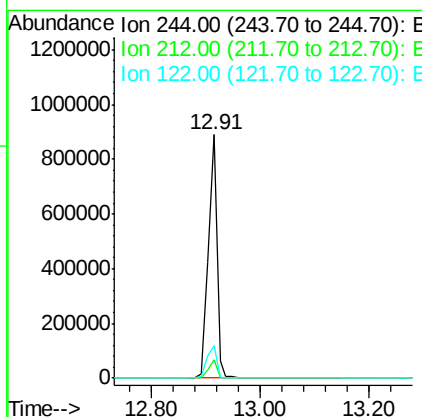
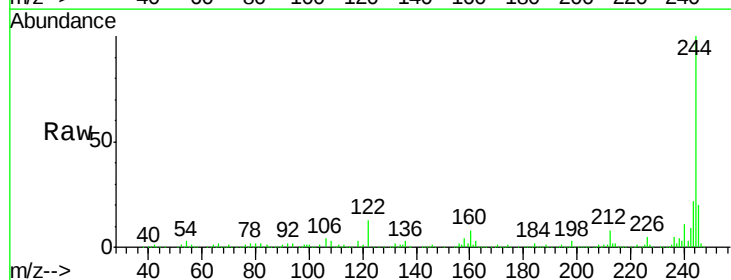
Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

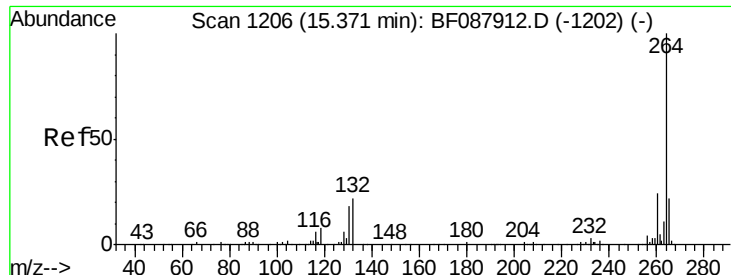
Tgt Ion:240 Resp: 310065
Ion Ratio Lower Upper
240 100
120 12.7 6.8 10.2#
236 25.7 20.2 30.2



#78
Terphenyl-d14
Concen: 71.24 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087945.D
Acq: 12 Jun 2016 13:10

Tgt Ion:244 Resp: 970686
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 13.1 11.2 16.8

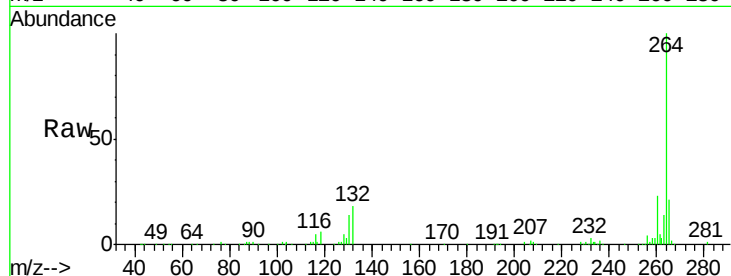




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087945.D
Acq: 12 Jun 2016 13:10

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	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

