

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012216\
 Data File : BF084591.D
 Acq On : 22 Jan 2016 16:04
 Operator : SJ/IZ
 Sample : H1200-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Quant Time: Jan 22 22:08:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

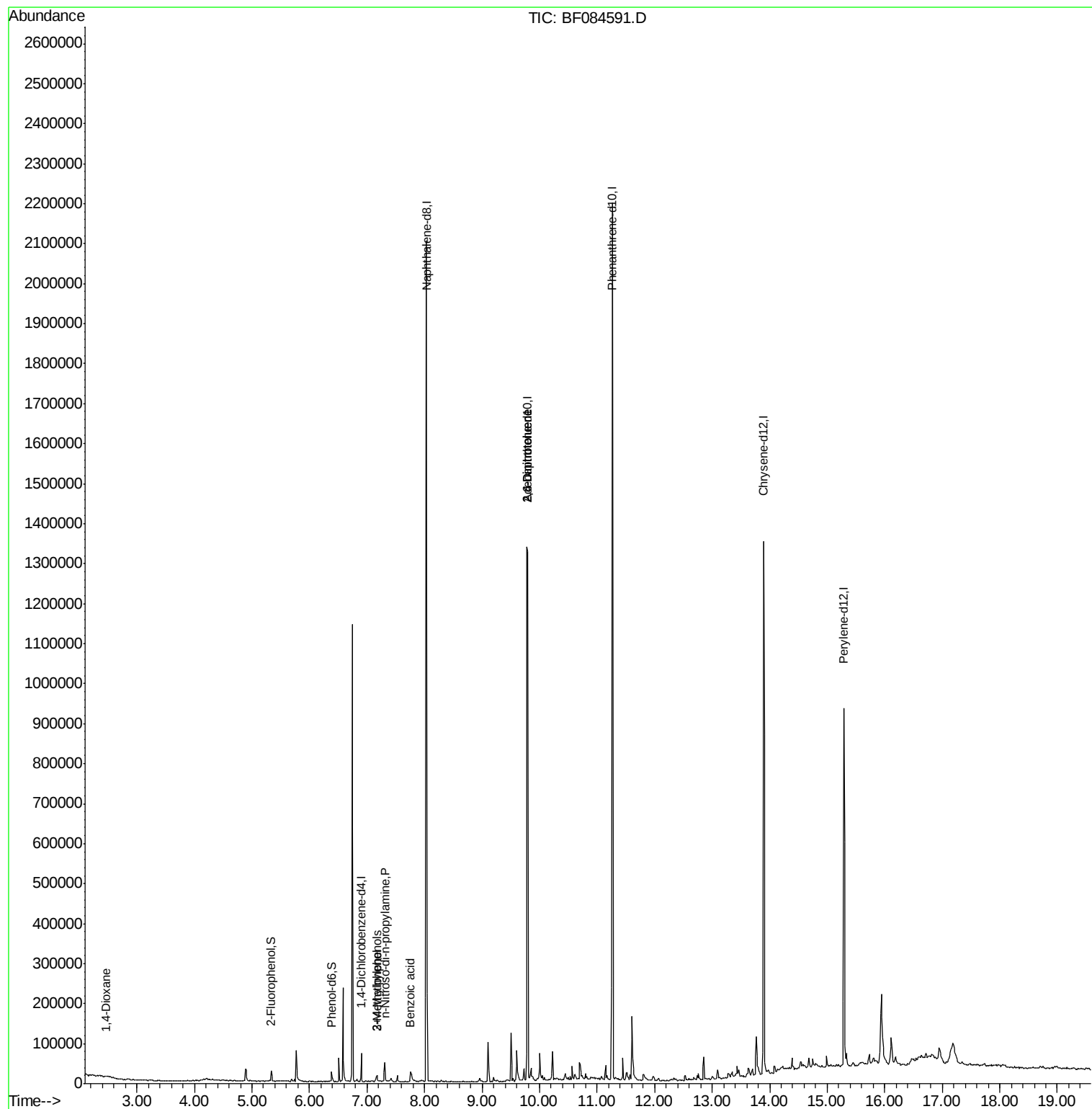
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	9659	20.00	ng	0.07
21) Naphthalene-d8	8.03	136	847514	20.00	ng	-0.09
38) Acenaphthene-d10	9.78	164	394708	20.00	ng	-0.09
63) Phenanthrene-d10	11.26	188	730075	20.00	ng	-0.09
75) Chrysene-d12	13.89	240	565534	20.00	ng	-0.10
86) Perylene-d12	15.29	264	438105	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	8017	13.43	ng	-0.10
7) Phenol-d6	6.38	99	8375	11.17	ng	-0.09
23) Nitrobenzene-d5	7.31	82	16696	1.10	ng	-0.09
41) 2,4,6-Tribromophenol	10.57	330	3123	0.78	ng	-0.10
44) 2-Fluorobiphenyl	9.10	172	31194	-5.33	ng	-0.09
78) Terphenyl-d14	12.85	244	22115	0.87	ng	-0.09
Target Compounds						
2) 1,4-Dioxane	2.45	88	1595	5.64	ng	# 27
17) 2-Methylphenol	7.17	107	5428	9.56	ng	# 74
19) n-Nitroso-di-n-propylamine	7.31	70	2107	4.15	ng	# 59
20) 3+4-Methylphenols	7.17	107	5428	8.13	ng	92
32) Benzoic acid	7.76	122	9644	7.17	ng	93
50) 2,6-Dinitrotoluene	9.78	165	50582	8.17	ng	# 38
56) 2,4-Dinitrotoluene	9.78	165	50582	6.46	ng	# 22
73) Di-n-butylphthalate	11.84	149	2619	Below Cal		# 79

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

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration



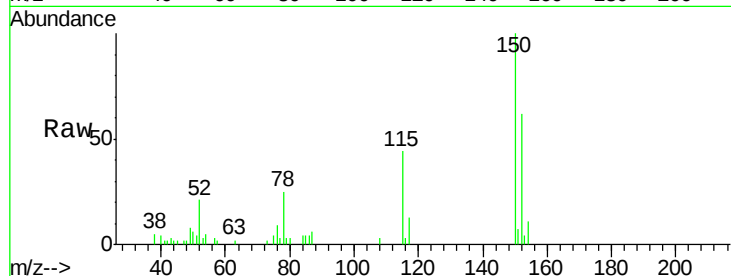


#1

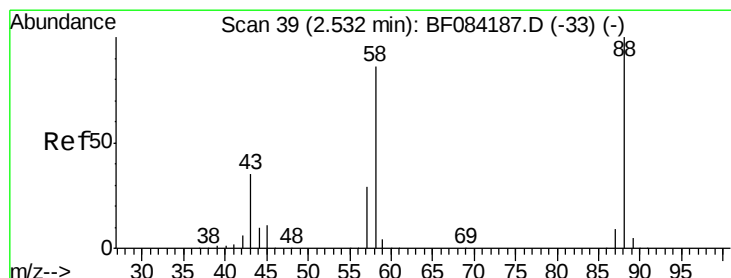
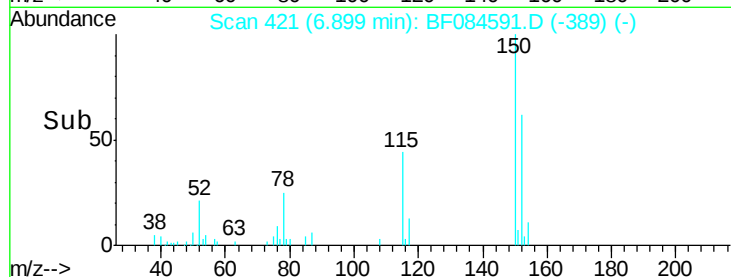
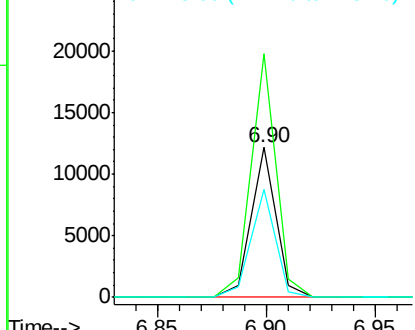
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.07 min
Lab File: BF084591.D
Acq: 22 Jan 2016 16:04

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion:152 Resp: 9659
Ion Ratio Lower Upper
152 100
150 162.4 123.0 184.4
115 71.9 51.4 77.2



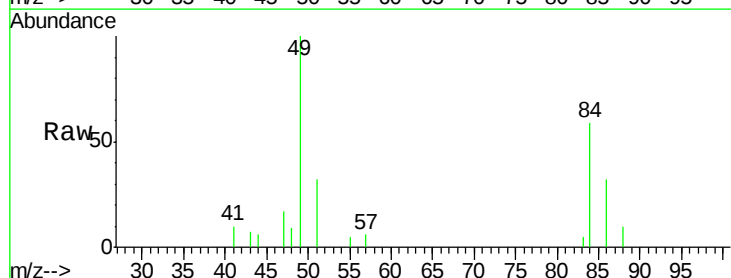
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



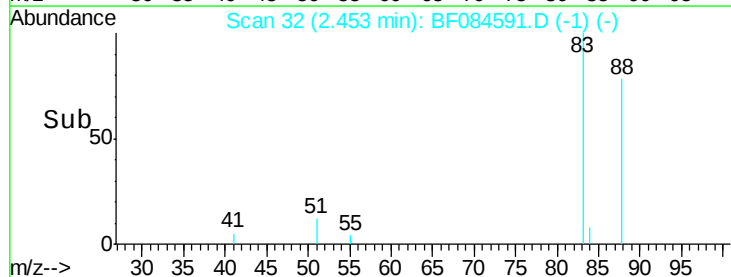
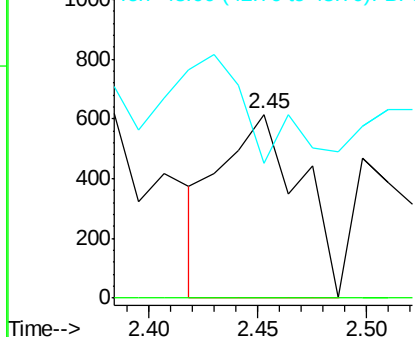
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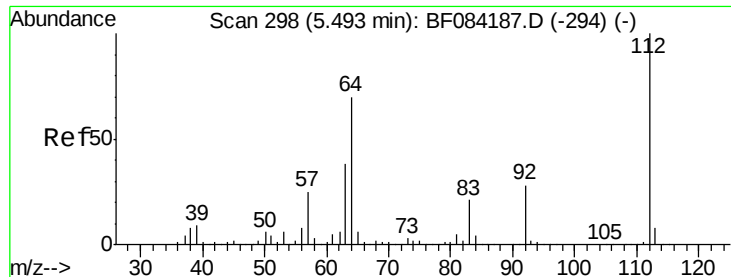
1,4-Dioxane
Concen: 5.64 ng
RT: 2.45 min Scan# 32
Delta R.T. 0.06 min
Lab File: BF084591.D
Acq: 22 Jan 2016 16:04

Tgt Ion: 88 Resp: 1595
Ion Ratio Lower Upper
88 100
58 0.0 51.2 76.8#
43 0.0 19.5 29.3#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 13.43 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.10 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

Instrument :

BNA_F

ClientSampleId :

MANHOLE

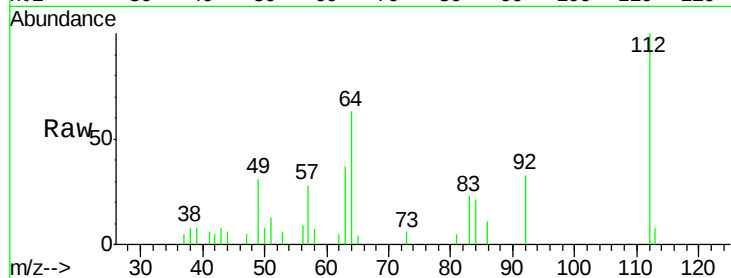
Tgt Ion: 112 Resp: 8017

Ion Ratio Lower Upper

112 100

64 63.5 36.6 55.0#

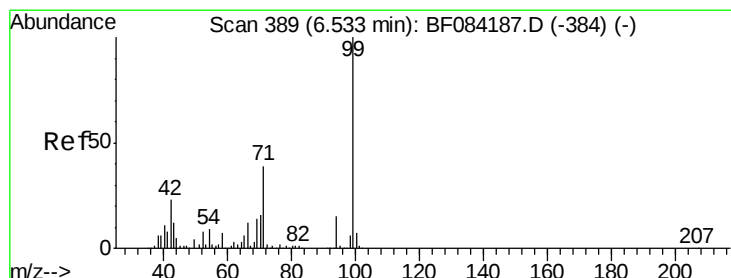
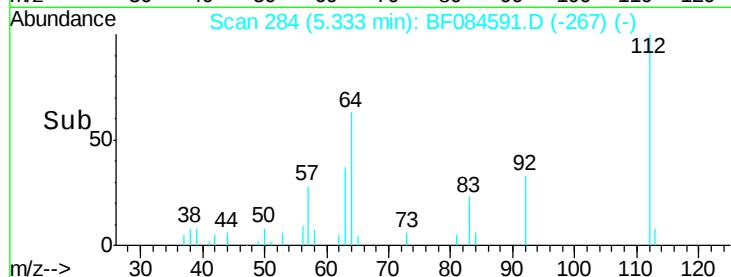
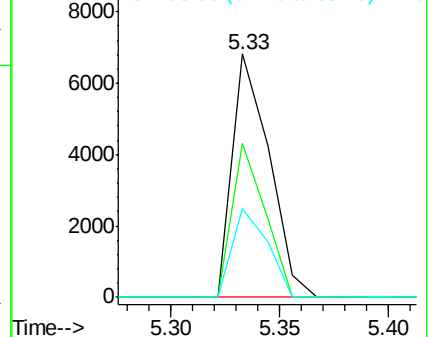
63 36.5 19.4 29.0#



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: 11.17 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.09 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

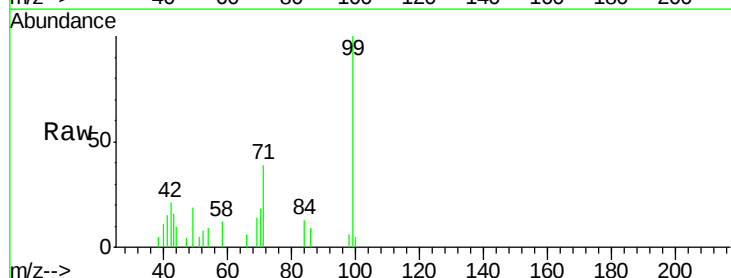
Tgt Ion: 99 Resp: 8375

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

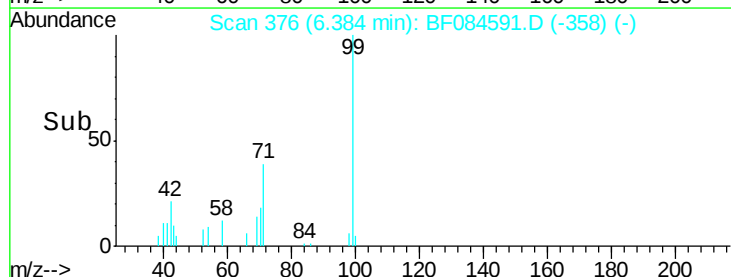
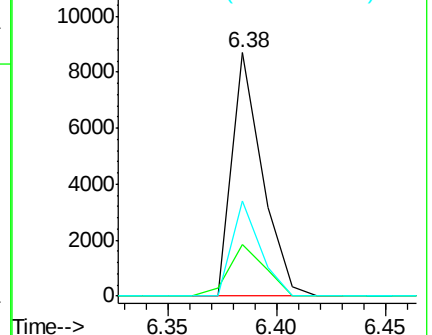
71 39.2 30.9 46.3

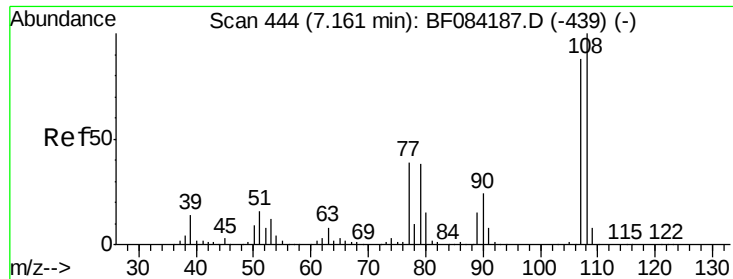


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#17

2-Methylphenol

Concen: 9.56 ng

RT: 7.17 min Scan# 445

Delta R.T. 0.07 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

Instrument :

BNA_F

ClientSampleId :

MANHOLE

Tgt Ion: 107 Resp: 5428

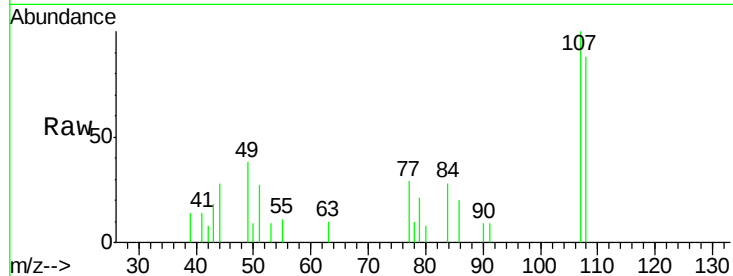
Ion Ratio Lower Upper

107 100

108 87.7 89.8 134.6#

77 29.1 35.7 53.5#

79 21.2 35.7 53.5#

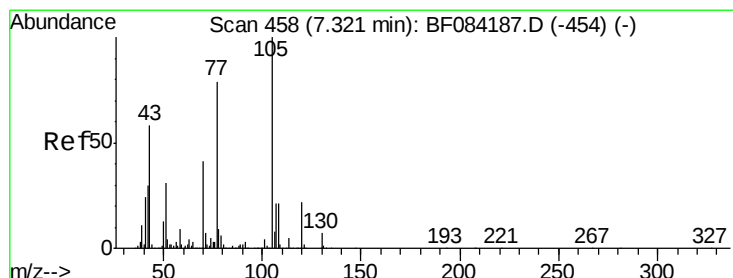
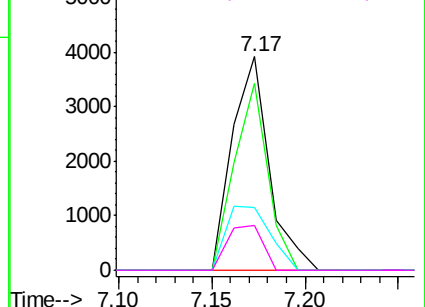
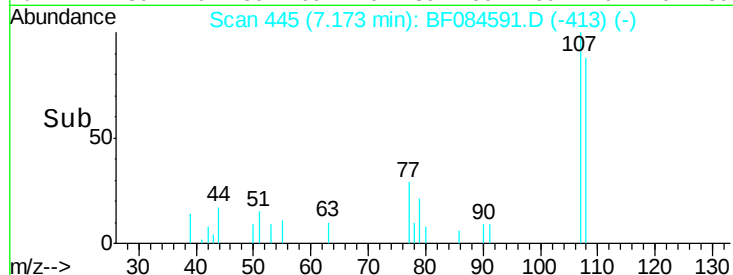


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 4.15 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.06 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

Tgt Ion: 70 Resp: 2107

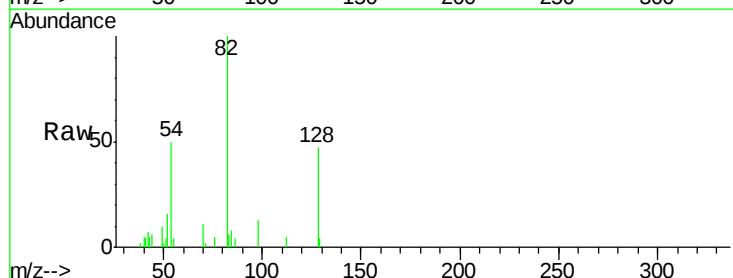
Ion Ratio Lower Upper

70 100

42 63.5 33.3 49.9#

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

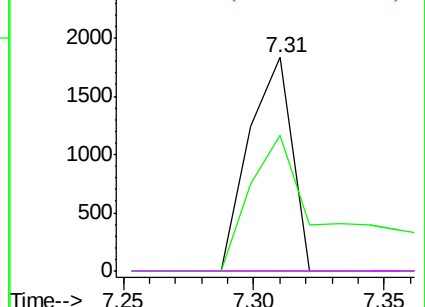
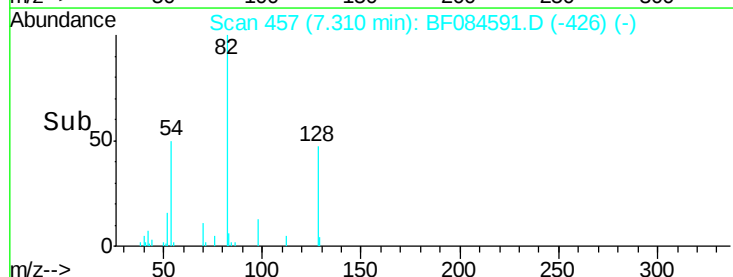


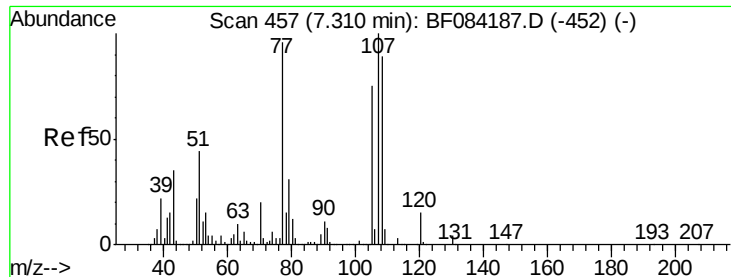
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

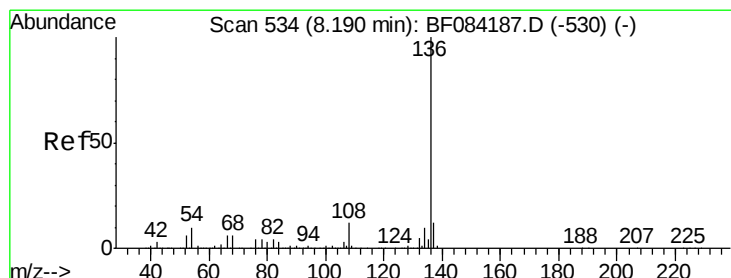
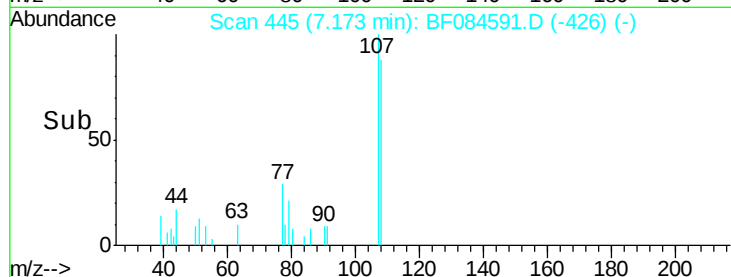
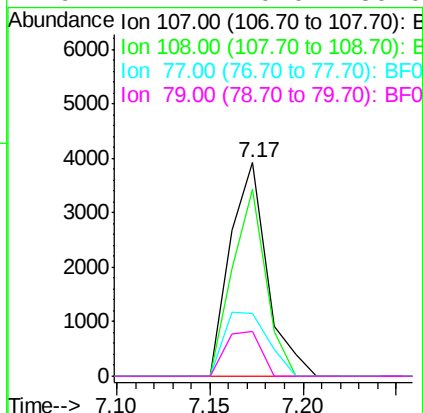
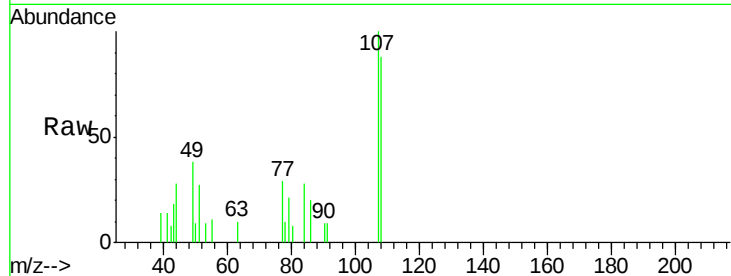




#20
 3+4-Methylphenols
 Concen: 8.13 ng
 RT: 7.17 min Scan# 445
 Delta R.T. -0.08 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

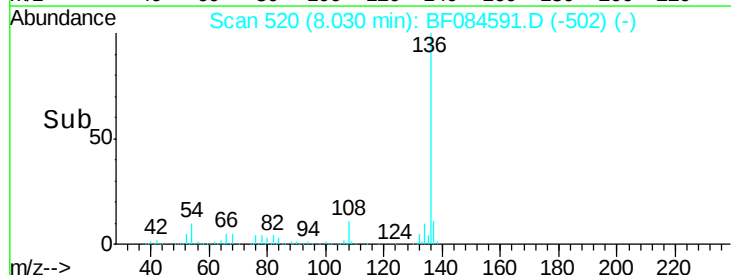
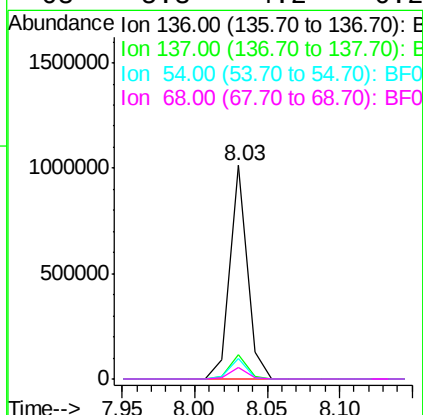
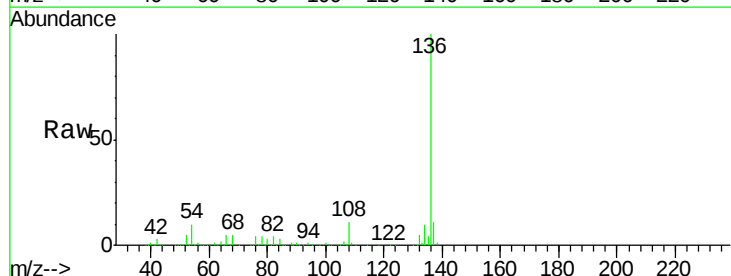
Instrument :
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 MANHOLE

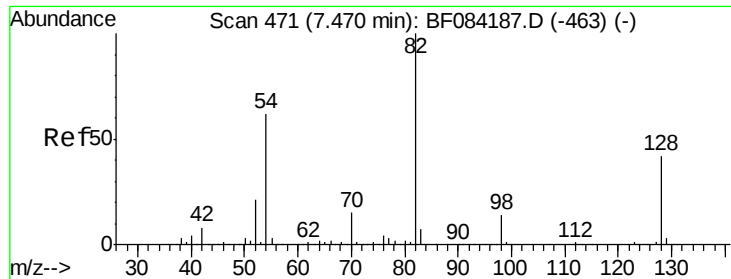
Tgt Ion:	107	Resp:	5428
Ion	Ratio	Lower	Upper
107	100		
108	87.7	74.6	114.6
77	29.1	0.7	40.7
79	21.2	0.0	39.0



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.09 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Tgt Ion:	136	Resp:	847514
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.6	5.8	8.8#
68	5.3	4.2	6.2

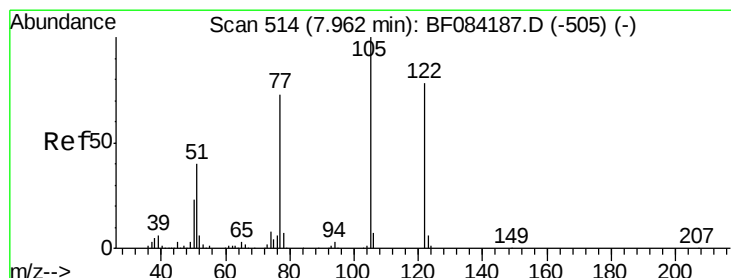
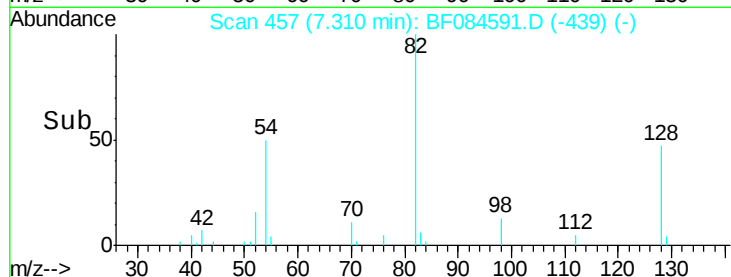
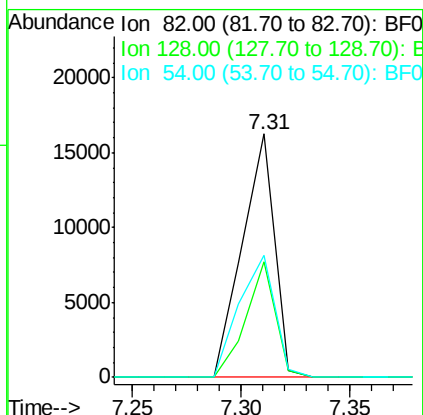
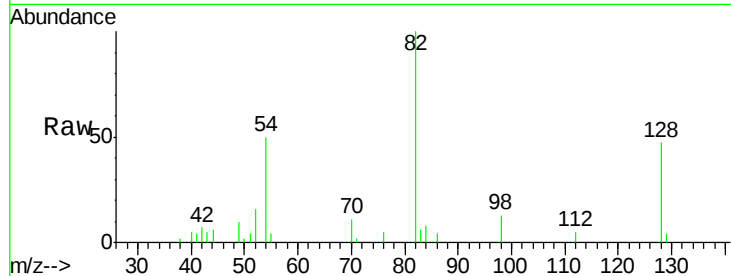




#23
Nitrobenzene-d5
Concen: 1.10 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.09 min
Lab File: BF084591.D
Acq: 22 Jan 2016 16:04

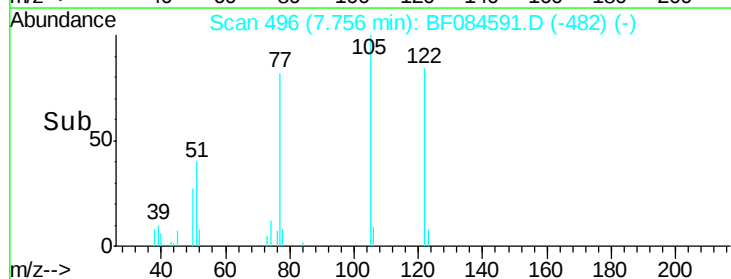
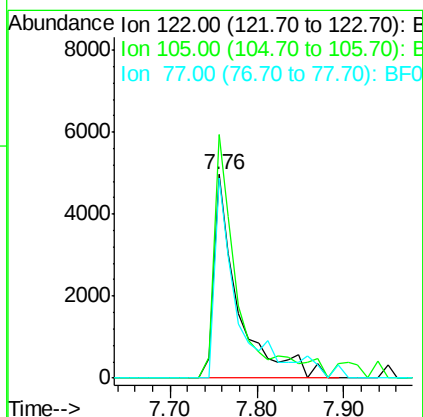
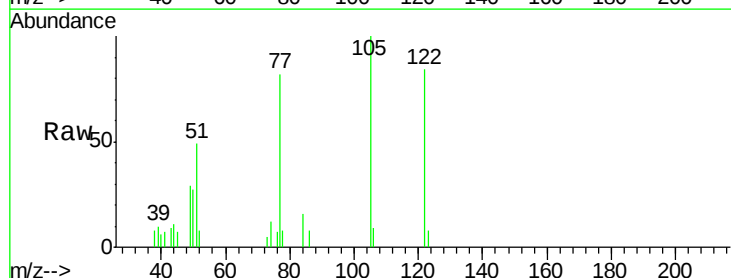
Instrument :
BNA_F
ClientSampleId :
MANHOLE

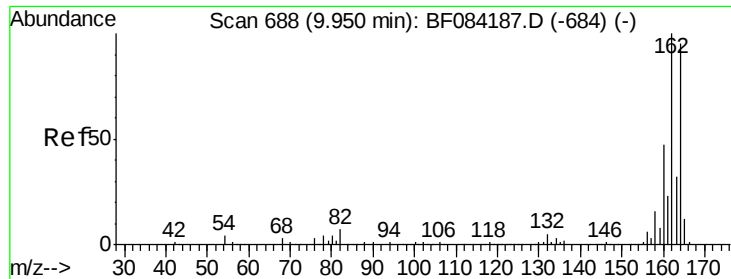
Tgt Ion: 82 Resp: 16696
Ion Ratio Lower Upper
82 100
128 47.3 34.6 51.8
54 50.1 38.4 57.6



#32
Benzoic acid
Concen: 7.17 ng
RT: 7.76 min Scan# 496
Delta R.T. -0.14 min
Lab File: BF084591.D
Acq: 22 Jan 2016 16:04

Tgt Ion: 122 Resp: 9644
Ion Ratio Lower Upper
122 100
105 119.7 100.3 140.3
77 98.5 63.5 103.5

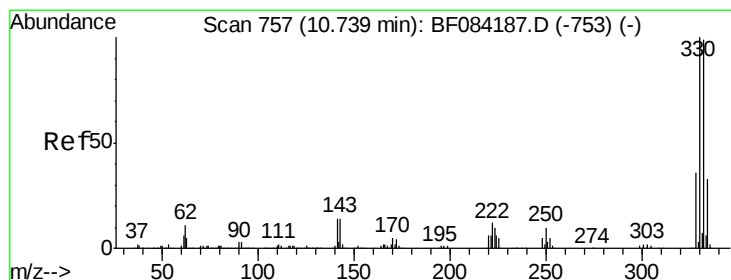
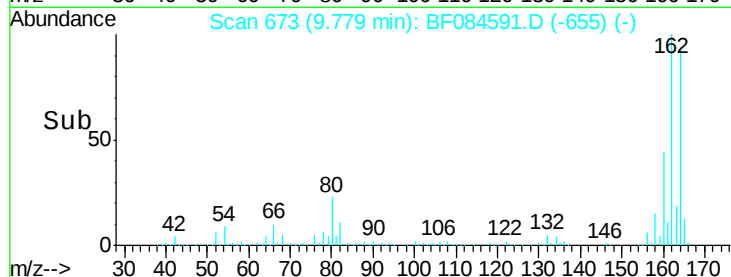
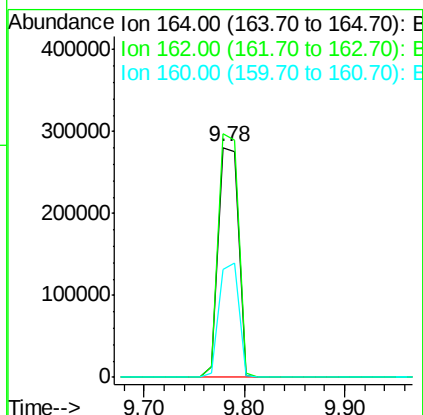
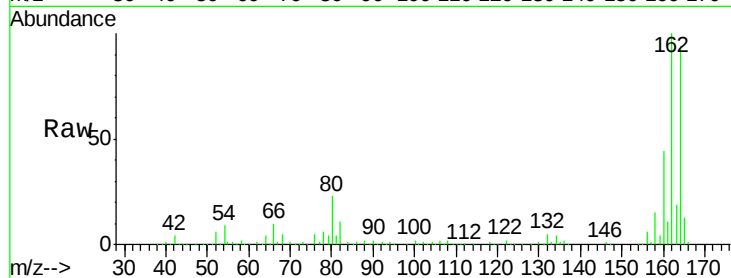




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.09 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

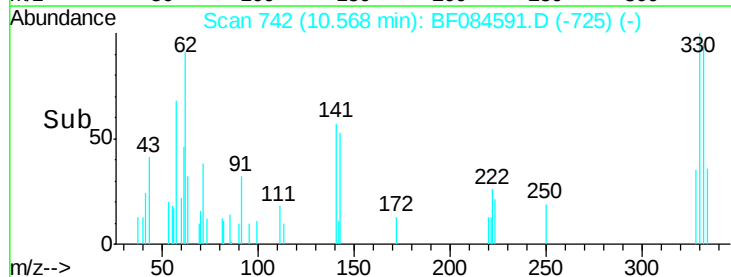
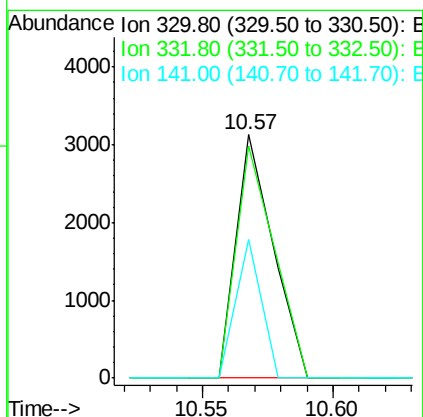
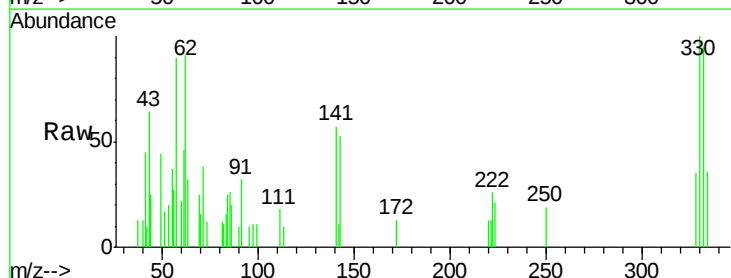
Instrument :
 BNA_F
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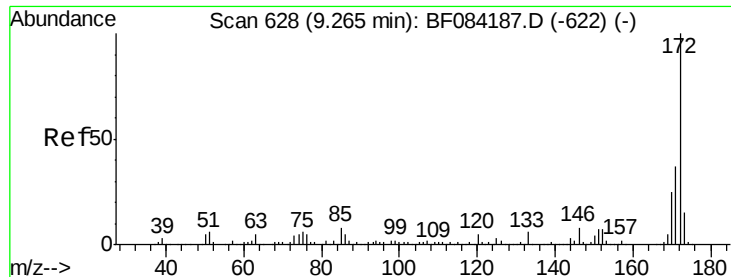
Tgt Ion:164 Resp: 394708
 Ion Ratio Lower Upper
 164 100
 162 105.8 85.1 127.7
 160 47.0 37.5 56.3



#41
 2,4,6-Tribromophenol
 Concen: 0.78 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.10 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Tgt Ion:330 Resp: 3123
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 114.8
 141 39.1 27.8 41.6

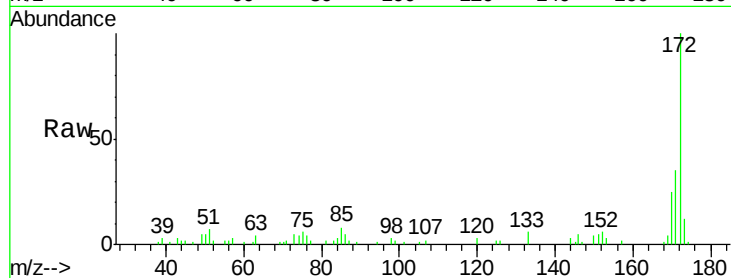




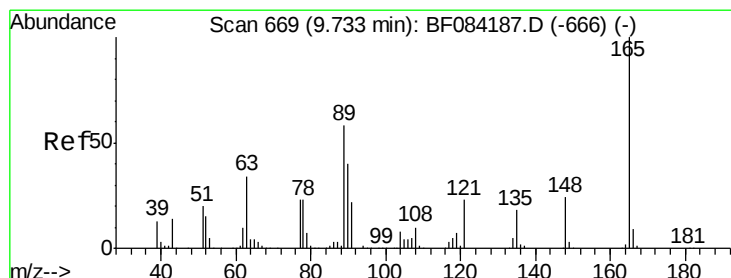
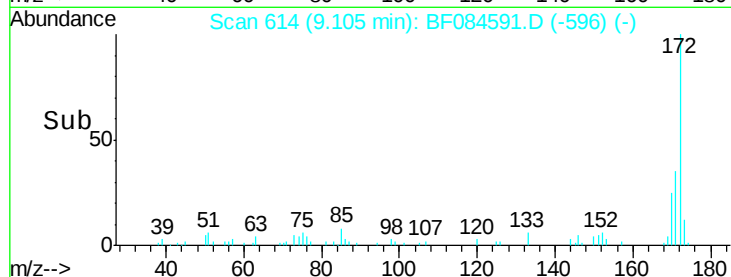
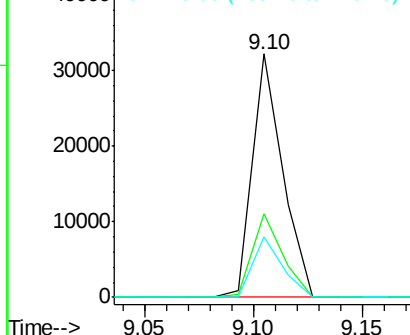
#44
 2-Fluorobiphenyl
 Concen: -5.33 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.09 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:172 Resp: 31194
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 24.6 18.6 27.8

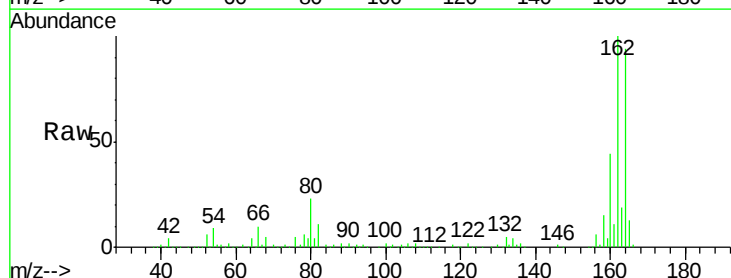


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

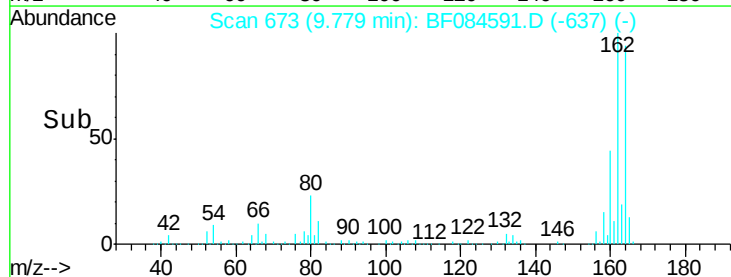
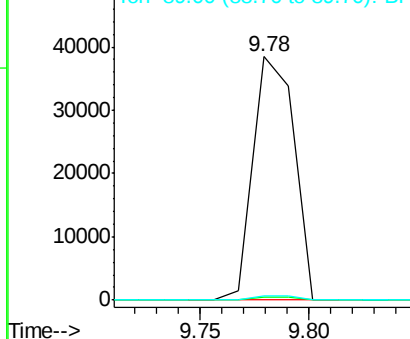


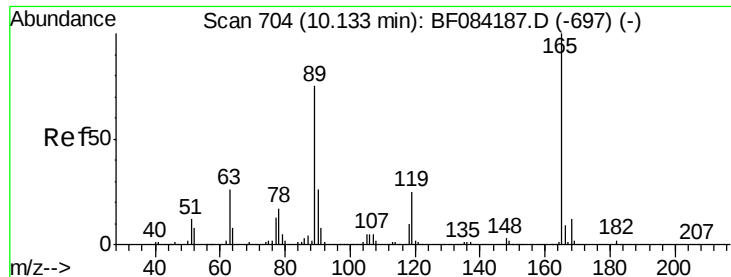
#50
 2,6-Dinitrotoluene
 Concen: 8.17 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.11 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Tgt Ion:165 Resp: 50582
 Ion Ratio Lower Upper
 165 100
 63 1.3 28.8 43.2#
 89 1.9 35.1 52.7#



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

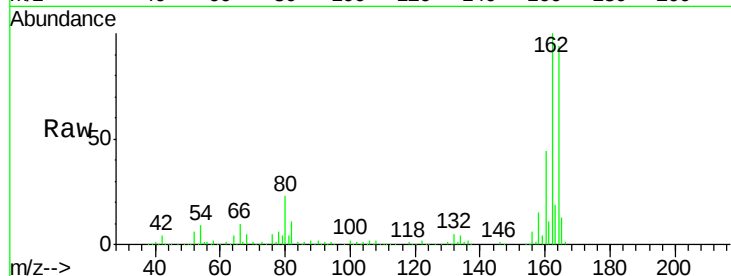




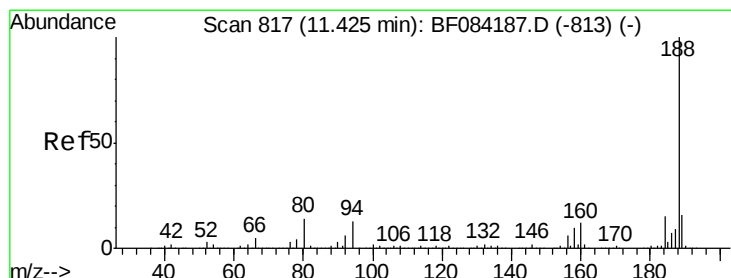
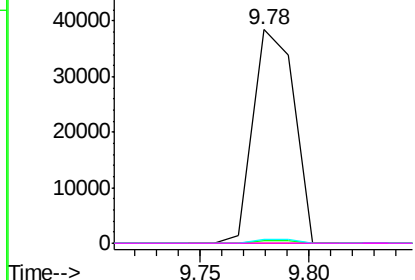
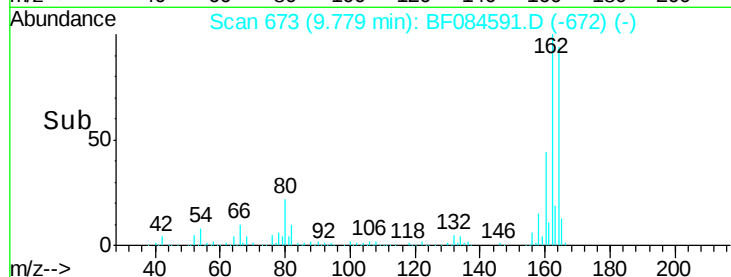
#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.29 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE

Tgt Ion:165 Resp: 50582
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.7 55.1#
 89 1.9 61.9 92.9#
 182 0.0 2.0 3.0#

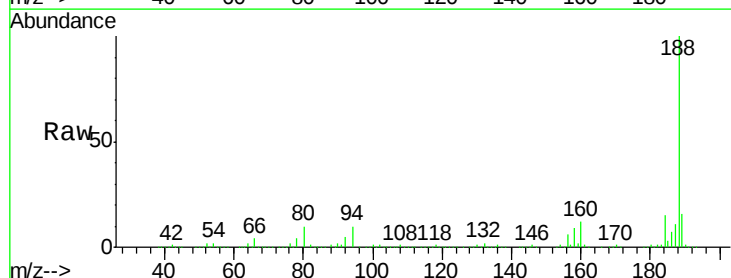


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

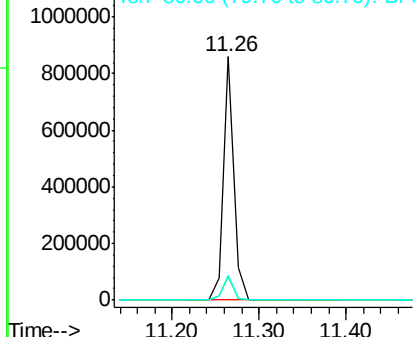
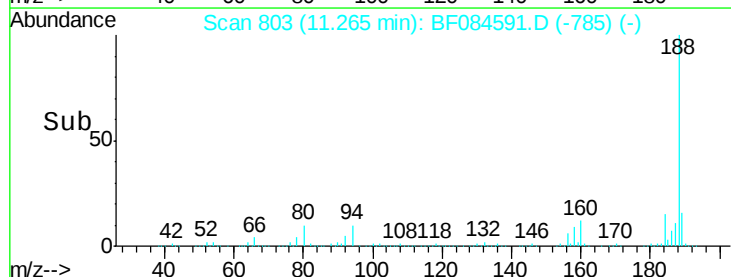


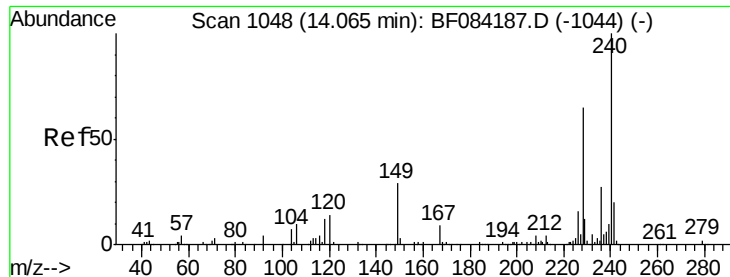
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.09 min
 Lab File: BF084591.D
 Acq: 22 Jan 2016 16:04

Tgt Ion:188 Resp: 730075
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.0 13.4
 80 10.3 9.6 14.4



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.10 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

Instrument :

BNA_F

ClientSampleId :

MANHOLE

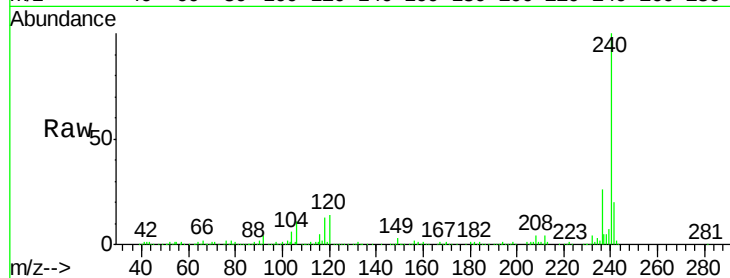
Tgt Ion:240 Resp: 565534

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

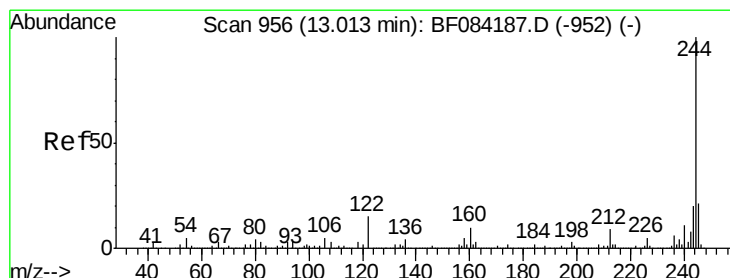
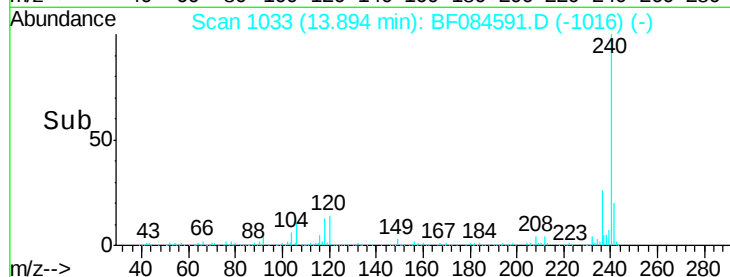
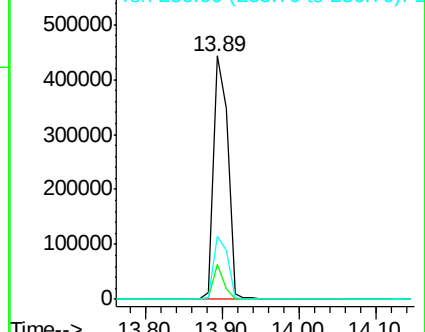
236 26.1 20.6 31.0



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: 0.87 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.09 min

Lab File: BF084591.D

Acq: 22 Jan 2016 16:04

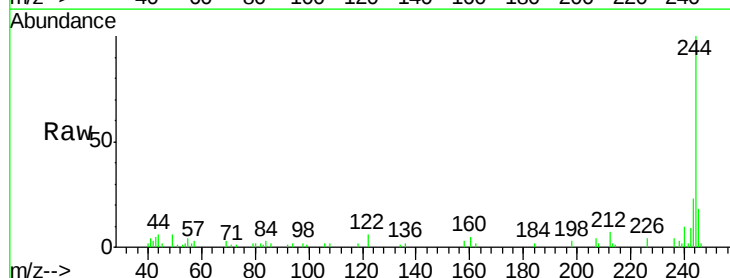
Tgt Ion:244 Resp: 22115

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

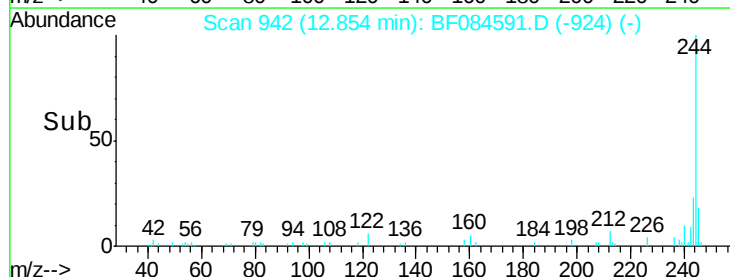
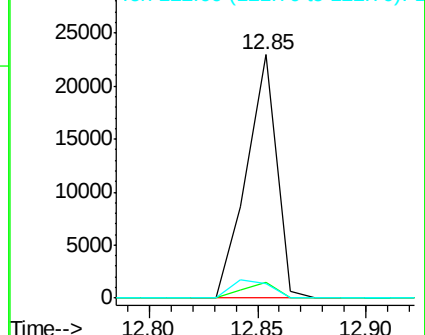
122 6.0 7.4 11.0#

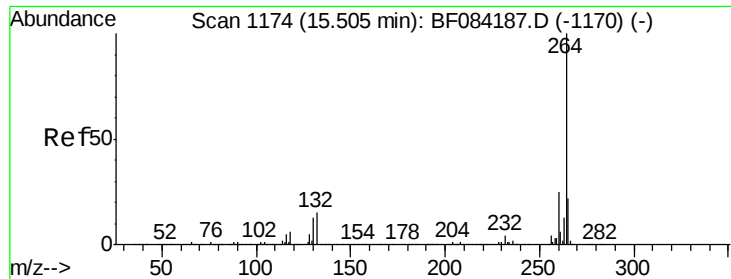


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1155
Delta R.T. -0.13 min
Lab File: BF084591.D
Acq: 22 Jan 2016 16:04

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Tgt Ion: 264 Resp: 438105
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 21.3 17.8 26.6

