

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089370.D
 Acq On : 28 Jul 2016 18:50
 Operator : UM/SJ
 Sample : H4242-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-1

Quant Time: Jul 29 01:16:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	47026	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	195131	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	100512	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	186832	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	121385	20.00	ng	-0.02
86) Perylene-d12	14.98	264	88879	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	212478	72.14	ng	-0.01
7) Phenol-d6	6.18	99	179714	46.17	ng	-0.02
23) Nitrobenzene-d5	7.10	82	330384	99.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	106512	127.95	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	616133	89.96	ng	-0.02
78) Terphenyl-d14	12.62	244	518493	99.97	ng	-0.01

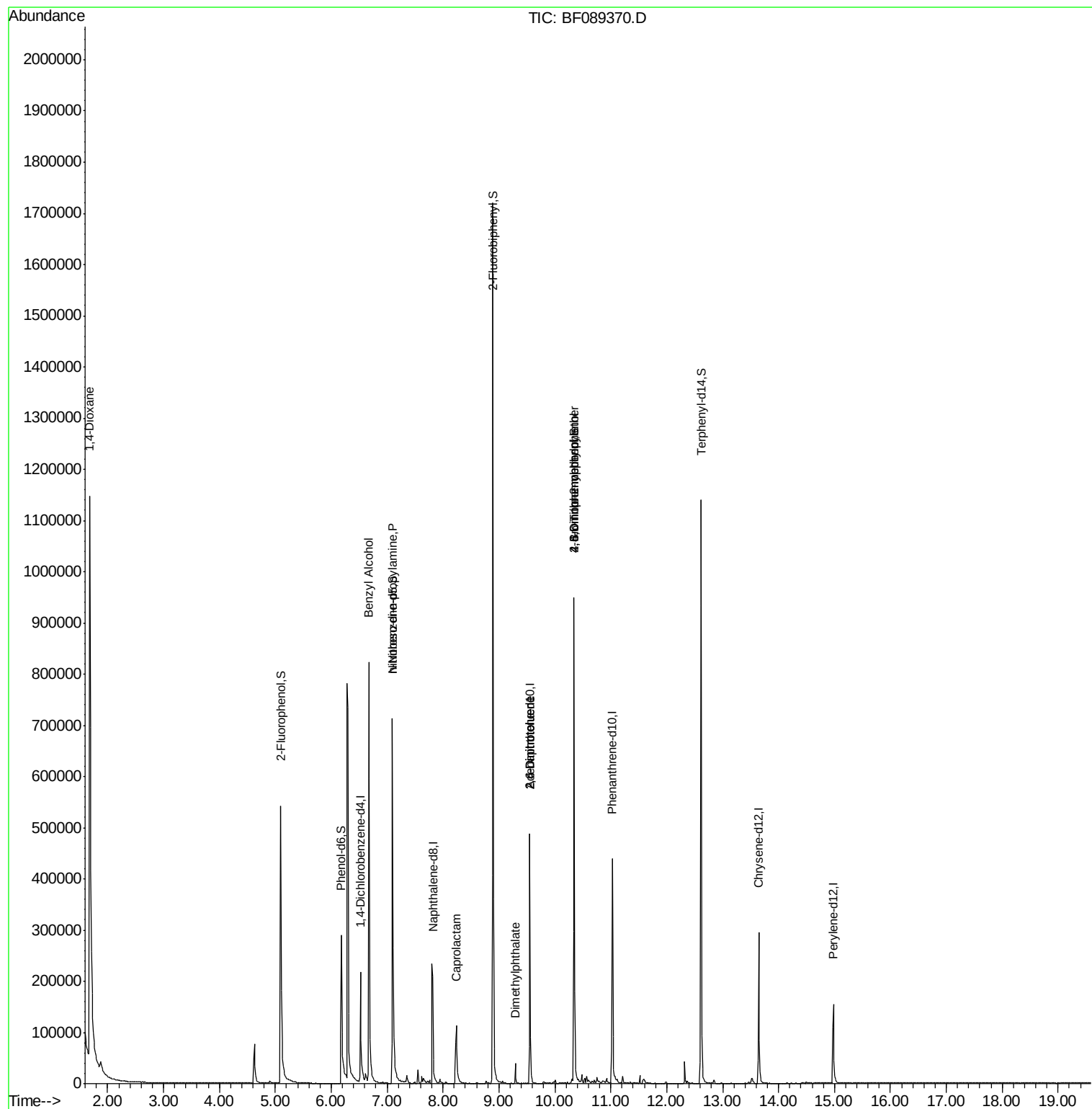
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.68	88	64454	49.10	ng	# 26
15) Benzyl Alcohol	6.67	79	5222	2.16	ng	# 63
19) n-Nitroso-di-n-propylamine	7.10	70	43246	18.43	ng	# 82
35) Caprolactam	8.24	113	23752	32.23	ng	97
49) Dimethylphthalate	9.29	163	19343	2.53	ng	97
50) 2,6-Dinitrotoluene	9.55	165	12284	7.82	ng	# 25
56) 2,4-Dinitrotoluene	9.55	165	12284	5.94	ng	# 8
64) 4,6-Dinitro-2-methylphenol	10.34	198	269	4.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.34	248	8339	4.67	ng	# 1

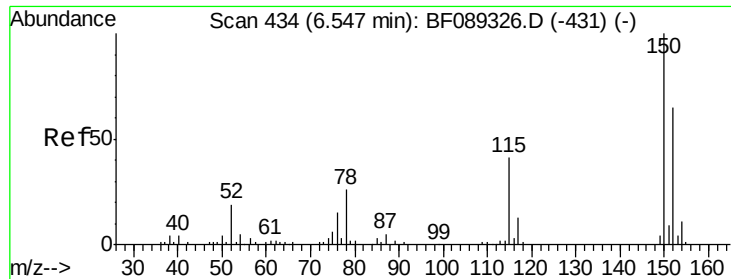
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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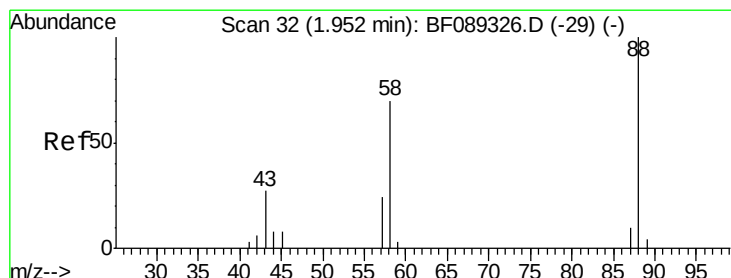
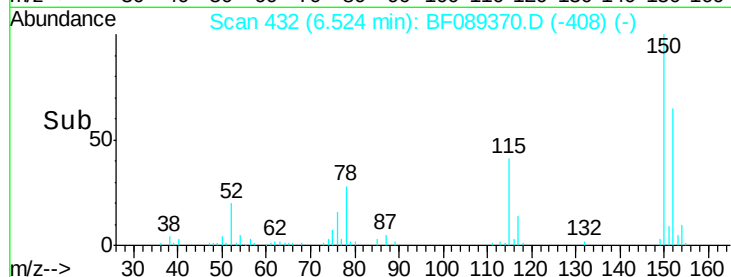
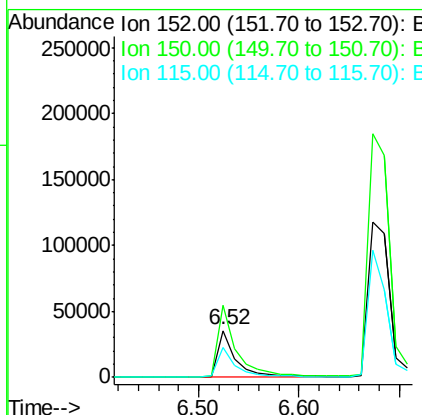
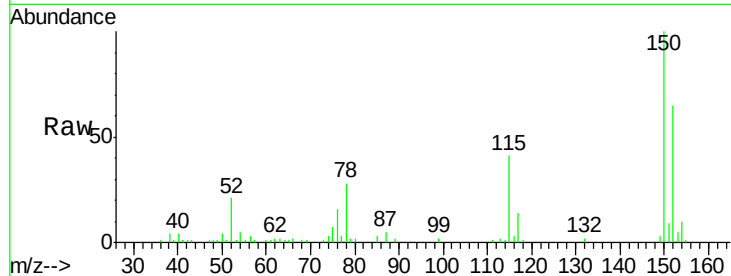


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Instrument :
BNA_F
ClientSampled :
UST-1

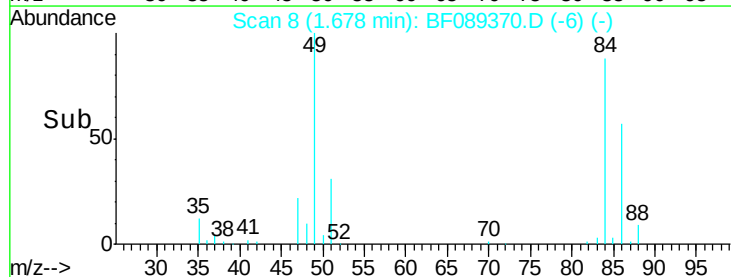
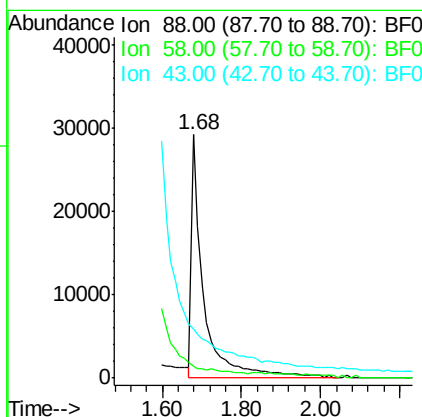
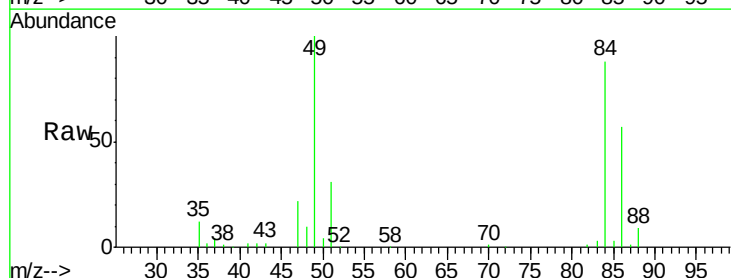
Tgt Ion:152 Resp: 47026
Ion Ratio Lower Upper
152 100
150 154.2 129.5 194.3
115 63.4 51.4 77.2

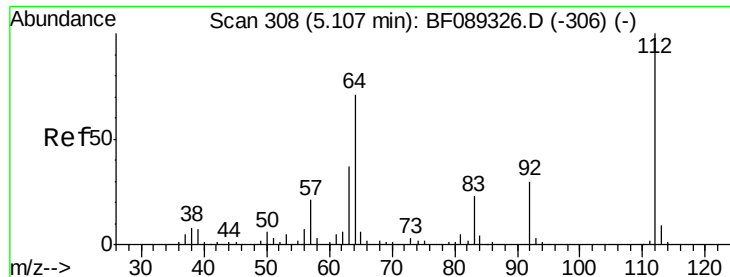


#2

1,4-Dioxane
Concen: 49.10 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Tgt Ion: 88 Resp: 64454
Ion Ratio Lower Upper
88 100
58 0.0 53.2 79.8#
43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 72.14 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

Instrument :

BNA_F

ClientSampleId :

UST-1

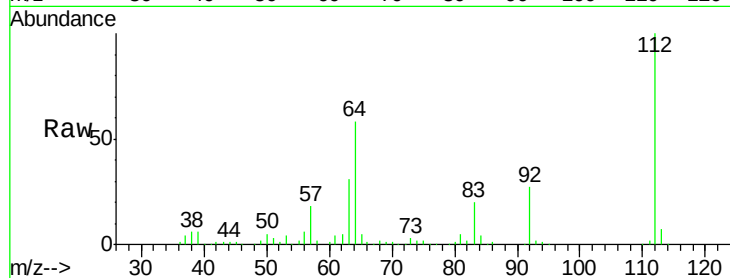
Tgt Ion: 112 Resp: 212478

Ion Ratio Lower Upper

112 100

64 58.4 55.0 82.6

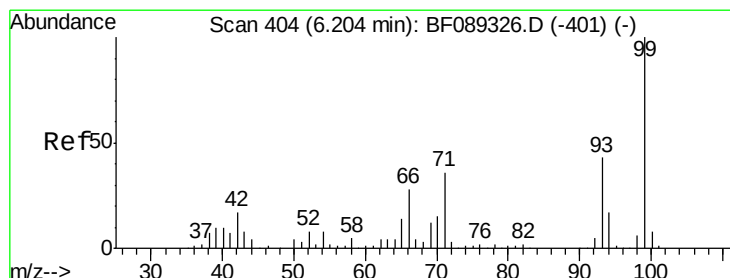
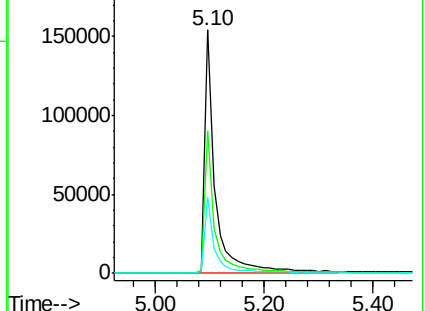
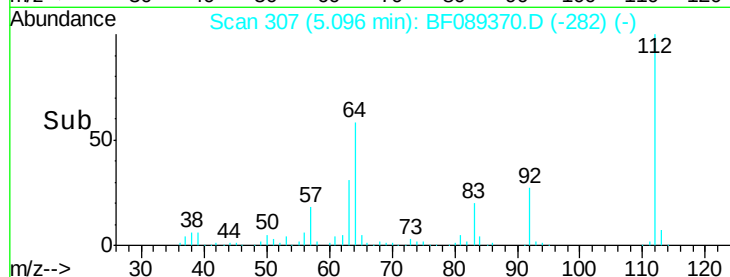
63 31.1 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 46.17 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

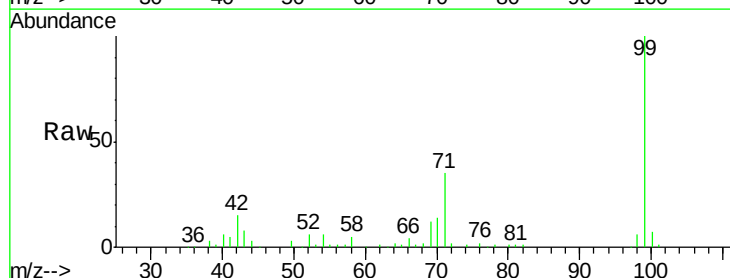
Tgt Ion: 99 Resp: 179714

Ion Ratio Lower Upper

99 100

42 15.3 13.6 20.4

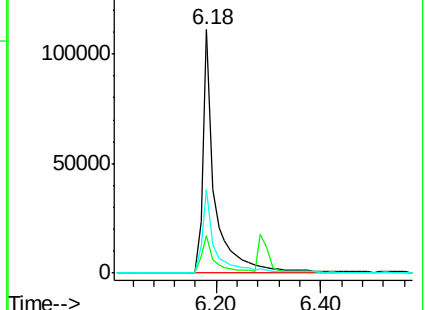
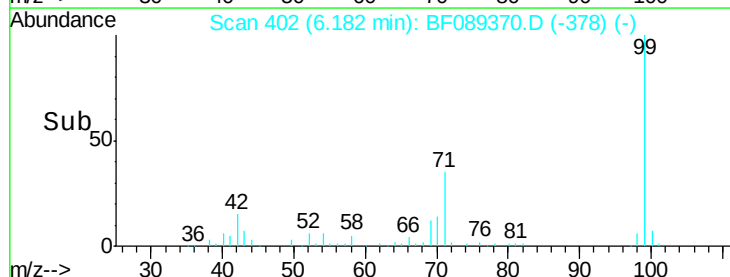
71 34.6 29.4 44.2

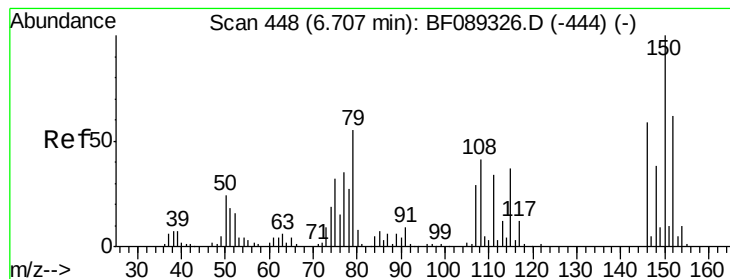


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

Instrument :

BNA_F

ClientSampleId :

UST-1

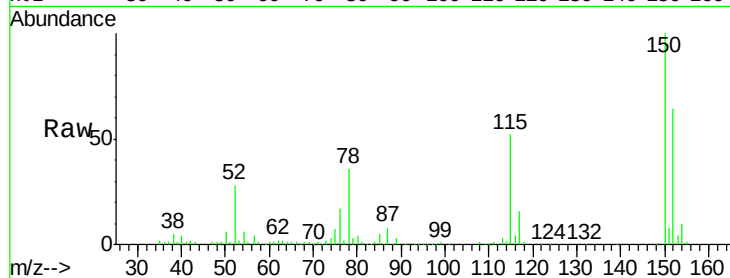
Tgt Ion: 79 Resp: 5222

Ion Ratio Lower Upper

79 100

108 43.2 59.8 89.6#

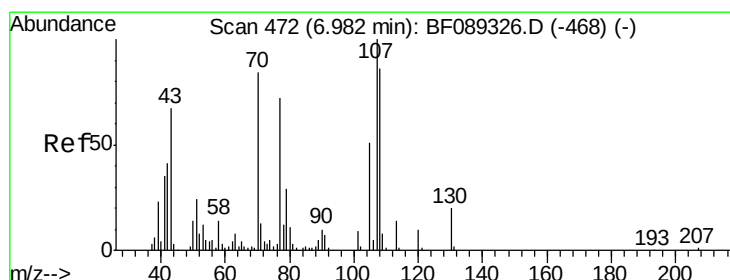
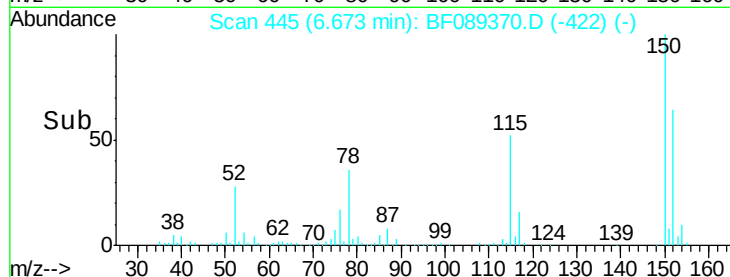
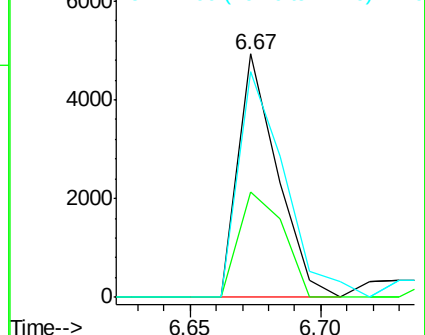
77 92.9 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.43 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

Tgt Ion: 70 Resp: 43246

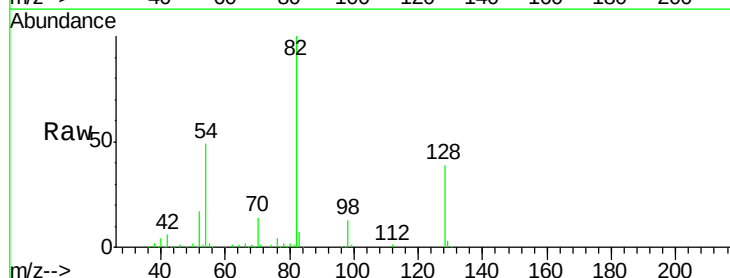
Ion Ratio Lower Upper

70 100

42 46.2 38.6 57.8

101 0.0 8.3 12.5#

130 1.7 19.0 28.4#

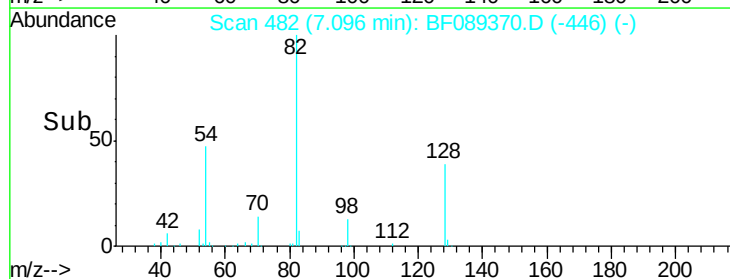
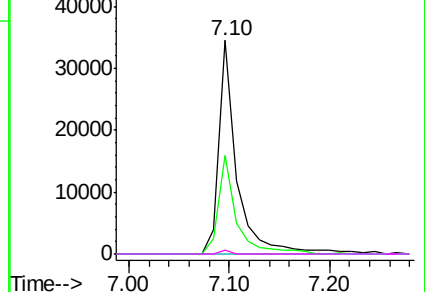


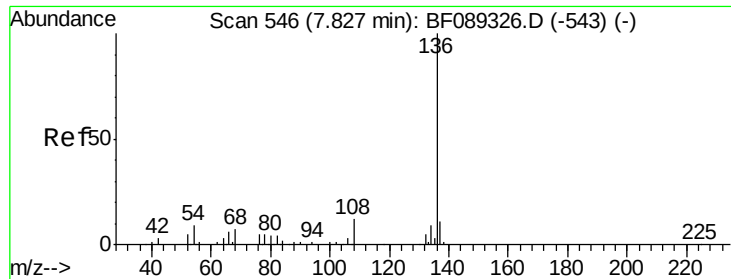
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

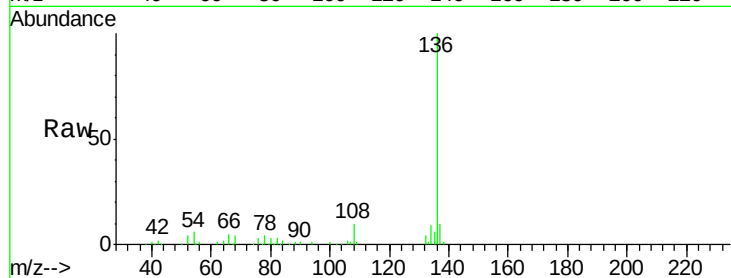




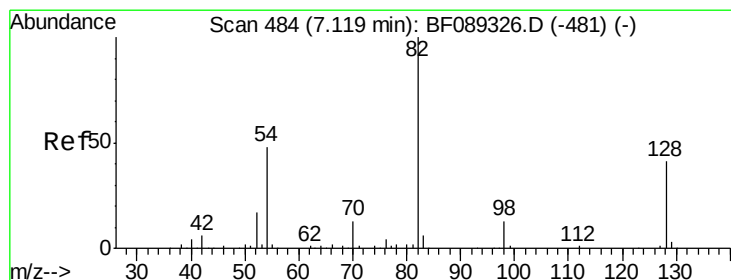
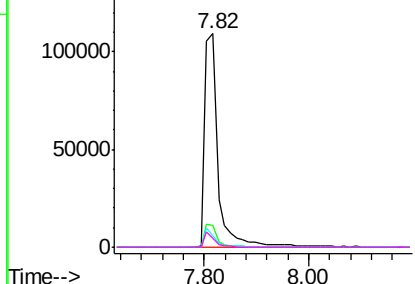
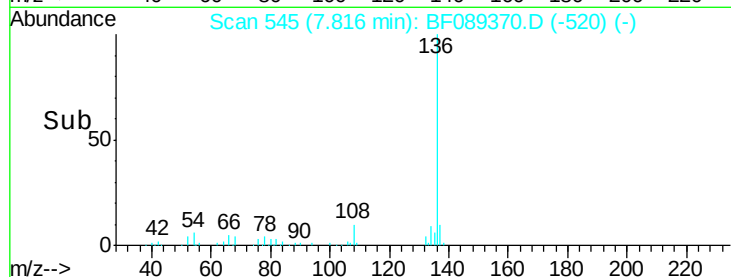
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Instrument :
BNA_F
ClientSampleId :
UST-1

Tgt Ion:	136	Resp:	195131
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	5.7	7.0	10.4#
68	4.3	4.9	7.3#

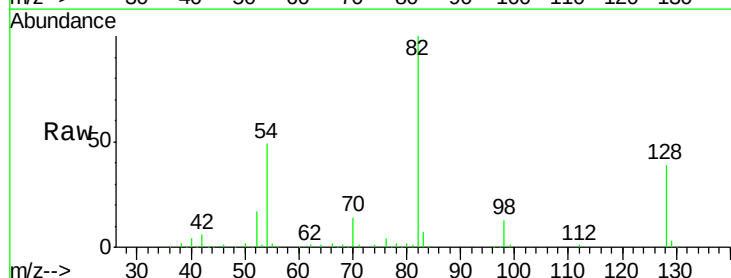


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

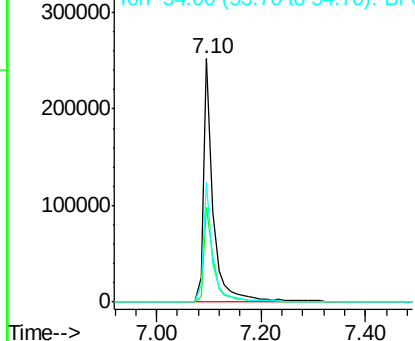
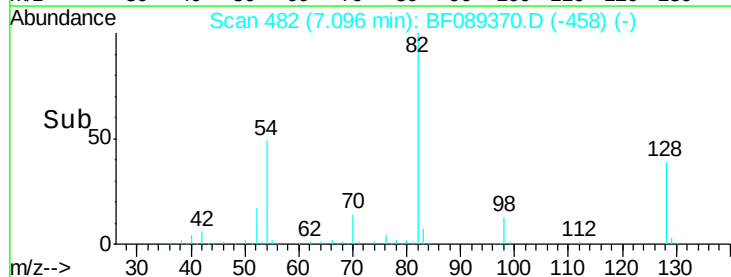


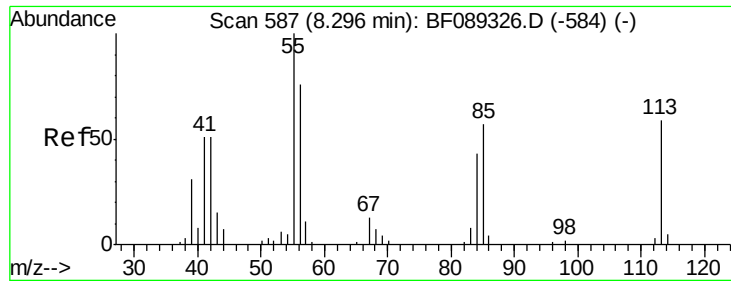
#23
Nitrobenzene-d5
Concen: 99.94 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Tgt Ion:	82	Resp:	330384
Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.5	48.7
54	48.9	38.8	58.2



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

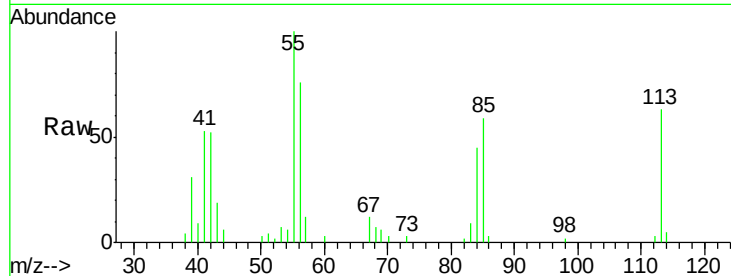




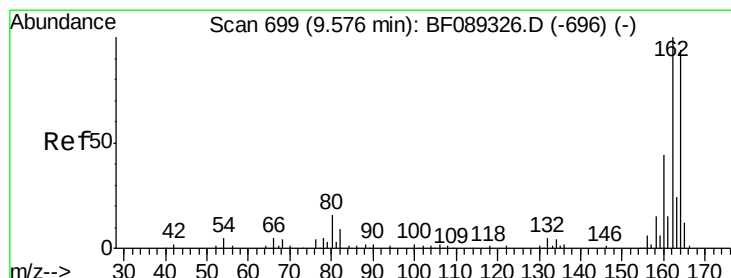
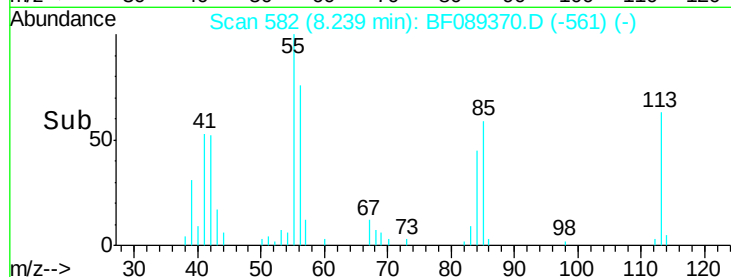
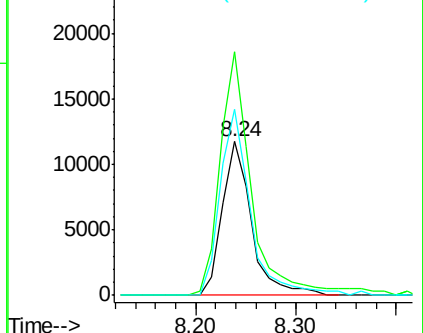
#35
 Caprolactam
 Concen: 32.23 ng
 RT: 8.24 min Scan# 582
 Delta R.T. -0.06 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Instrument :
 BNA_F
 ClientSampleID :
 UST-1

Tgt Ion:113 Resp: 23752
 Ion Ratio Lower Upper
 113 100
 55 158.7 142.3 182.3
 56 121.2 105.8 145.8

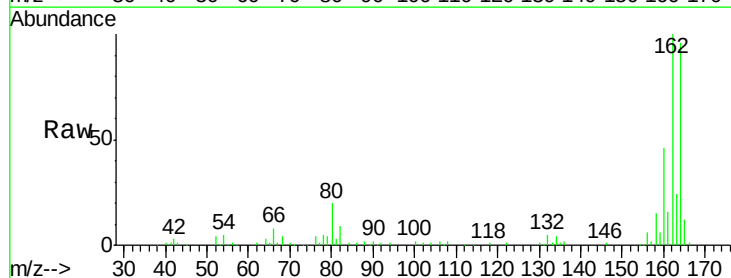


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

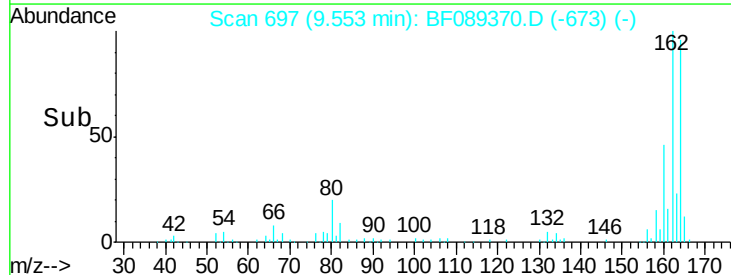
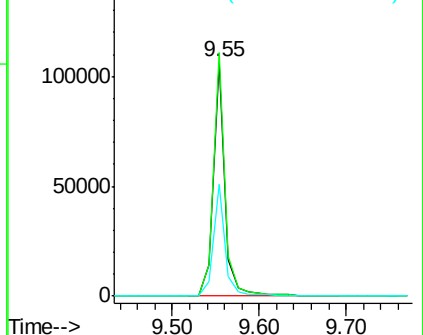


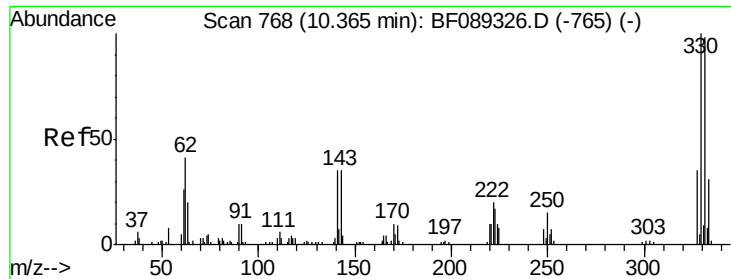
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Tgt Ion:164 Resp: 100512
 Ion Ratio Lower Upper
 164 100
 162 104.3 83.7 125.5
 160 48.0 37.8 56.6



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

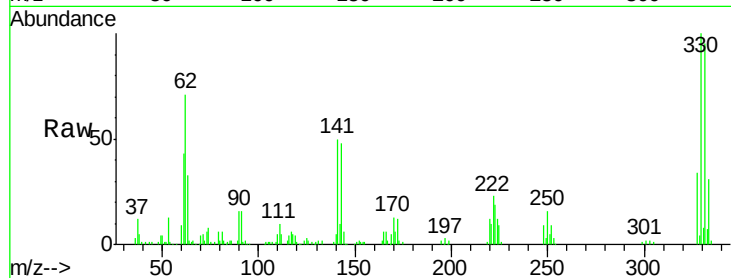




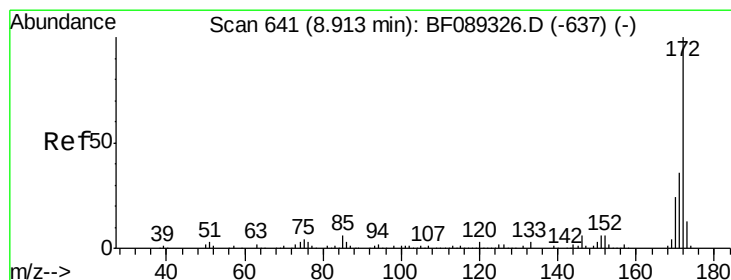
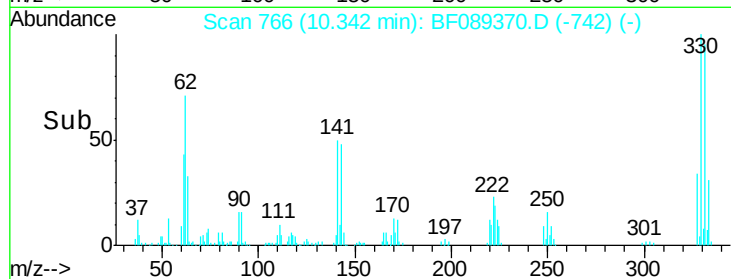
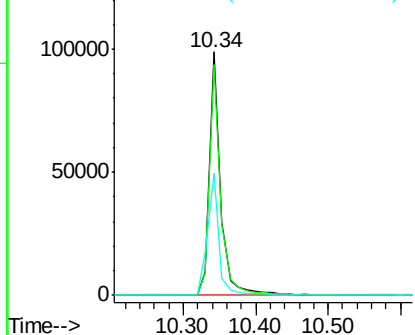
#41
 2,4,6-Tribromophenol
 Concen: 127.95 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-1

Tgt Ion:330 Resp: 106512
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.8 115.2
 141 52.1 37.3 55.9

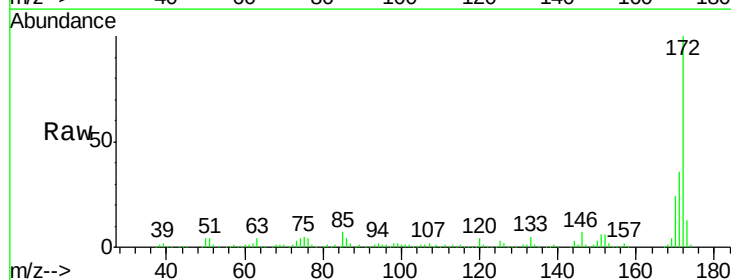


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

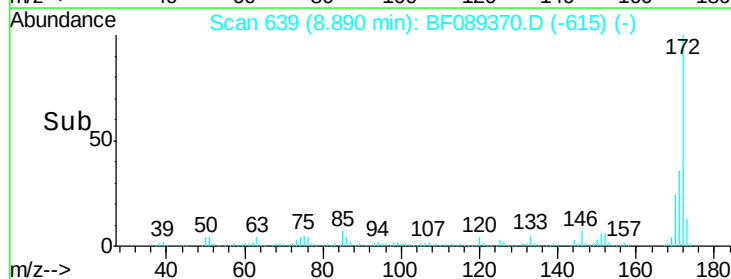
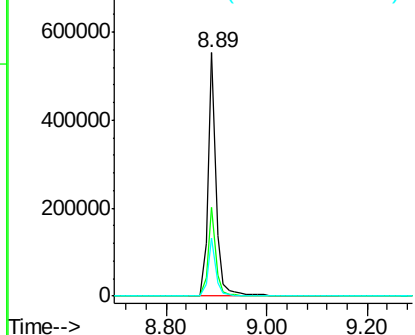


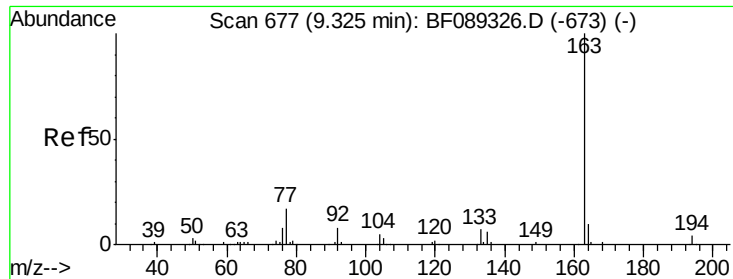
#44
 2-Fluorobiphenyl
 Concen: 89.96 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Tgt Ion:172 Resp: 616133
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.8 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





#49

Dimethylphthalate

Concen: 2.53 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

Instrument :

BNA_F

ClientSampleId :

UST-1

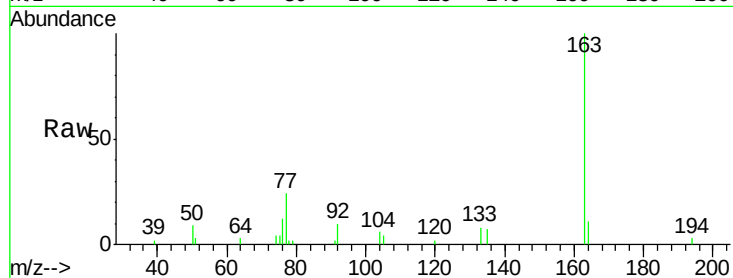
Tgt Ion:163 Resp: 19343

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

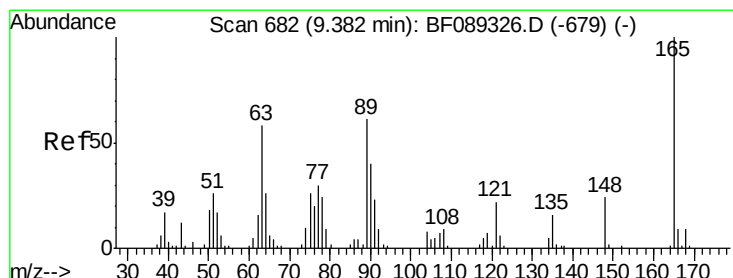
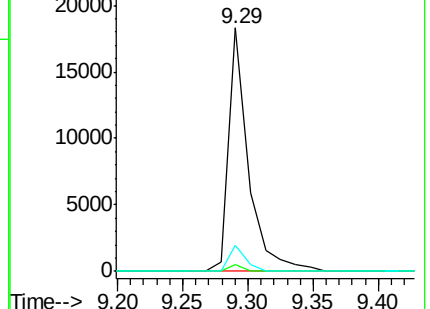
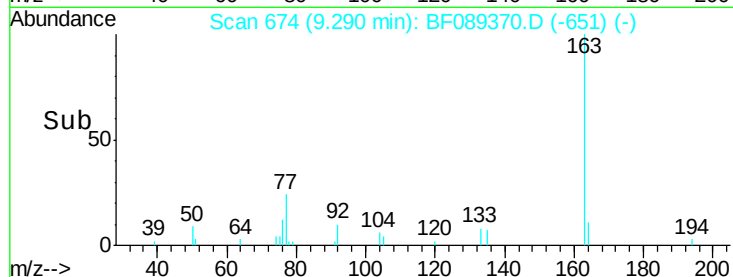
164 10.9 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.82 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.17 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

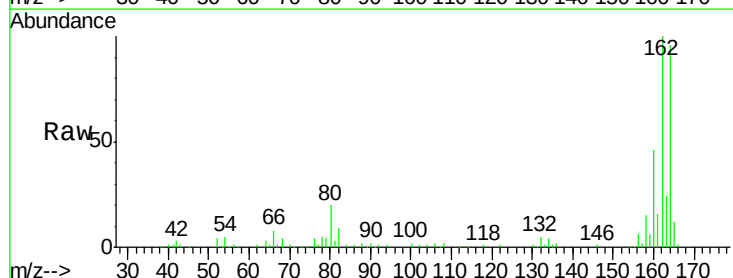
Tgt Ion:165 Resp: 12284

Ion Ratio Lower Upper

165 100

63 0.0 43.5 65.3#

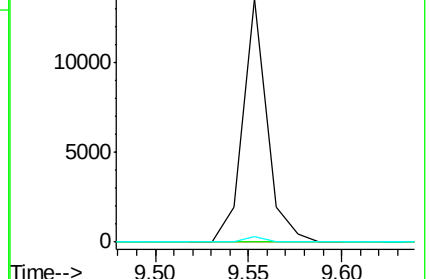
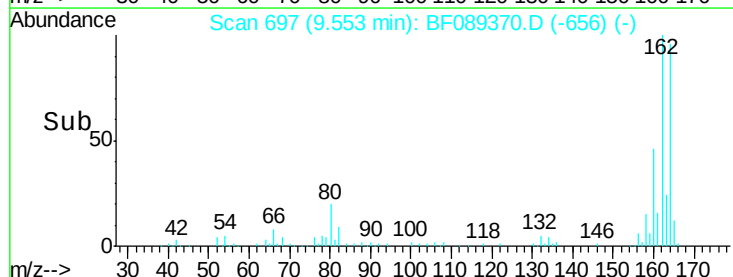
89 2.5 45.0 67.4#

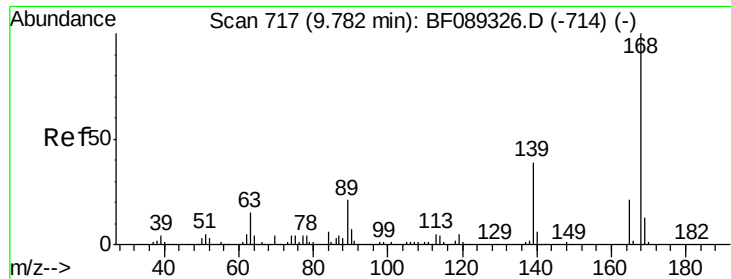


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

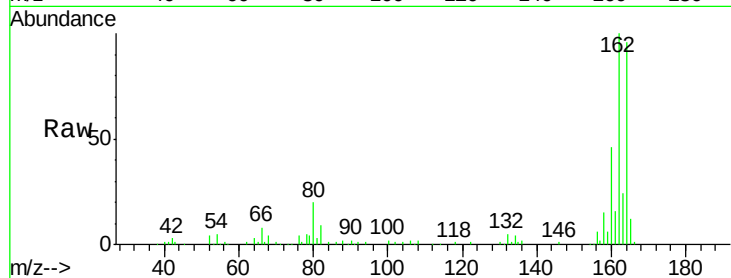




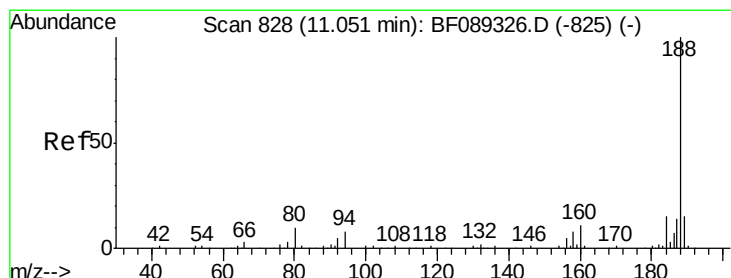
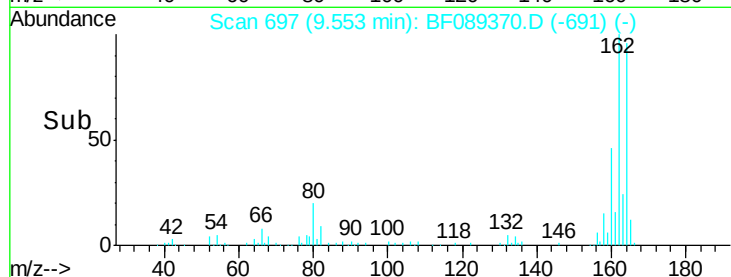
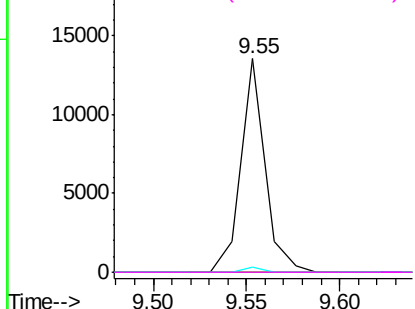
#56
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Instrument :
BNA_F
ClientSampleId :
UST-1

Tgt Ion:165 Resp: 12284
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 2.5 79.1 118.7#
182 0.0 1.8 2.8#

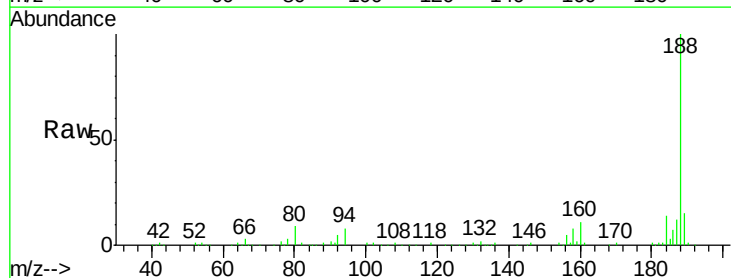


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

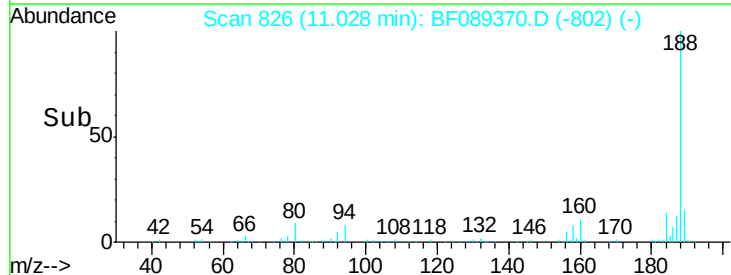
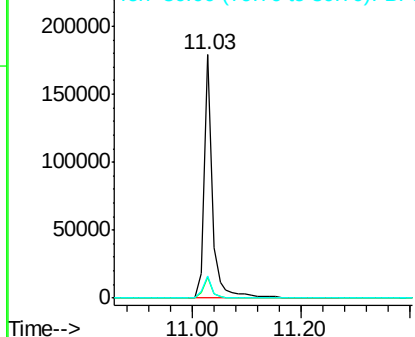


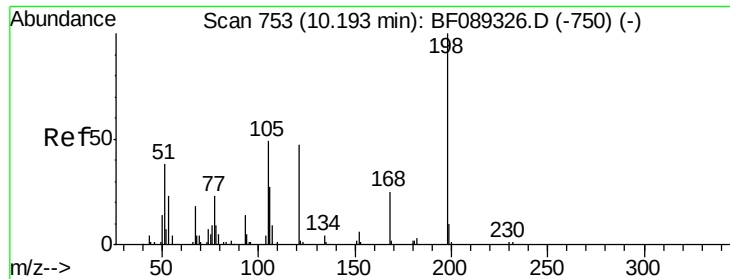
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089370.D
Acq: 28 Jul 2016 18:50

Tgt Ion:188 Resp: 186832
Ion Ratio Lower Upper
188 100
94 8.4 6.5 9.7
80 9.3 7.2 10.8



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

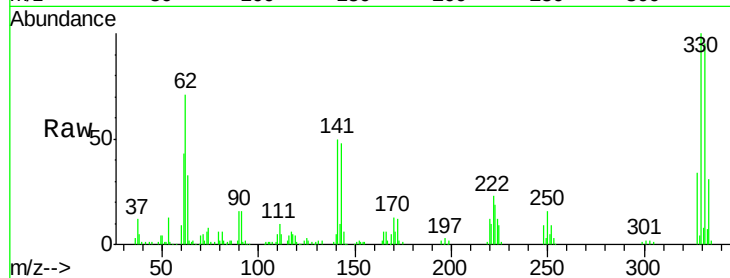




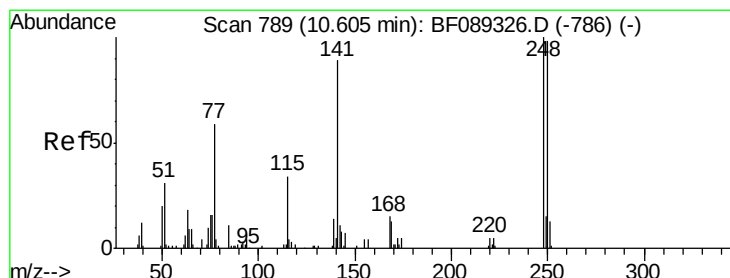
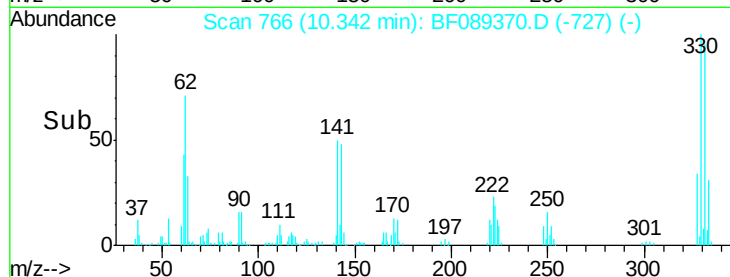
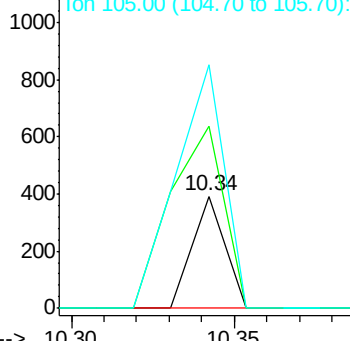
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.55 ng
 RT: 10.34 min Scan# 766
 Delta R.T. 0.15 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-1

Tgt Ion:198 Resp: 269
 Ion Ratio Lower Upper
 198 100
 51 162.2 23.0 63.0#
 105 217.3 28.3 68.3#

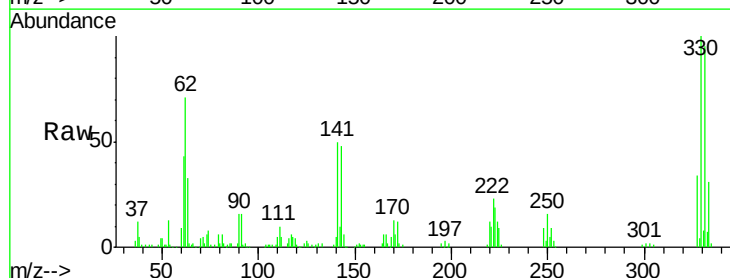


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

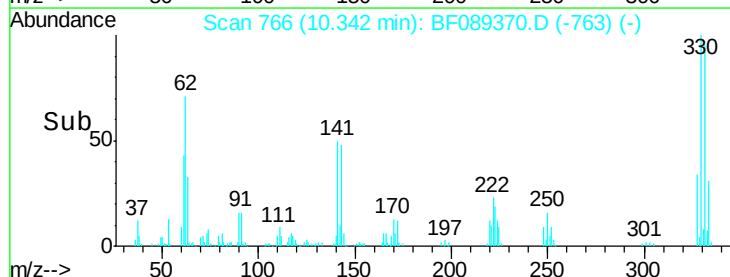
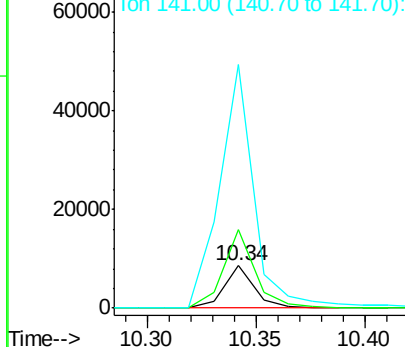


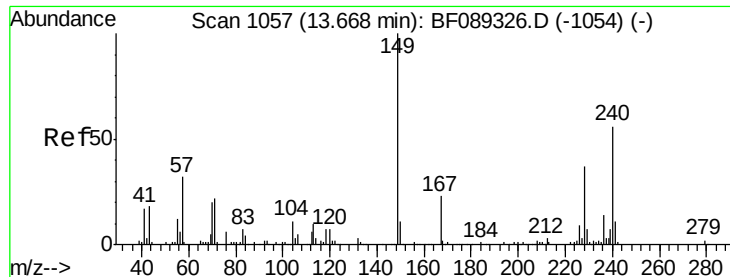
#66
 4-Bromophenyl-phenylether
 Concen: 4.67 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Tgt Ion:248 Resp: 8339
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.2 117.2#
 141 578.2 62.0 93.0#



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: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

Instrument :

BNA_F

ClientSampleId :

UST-1

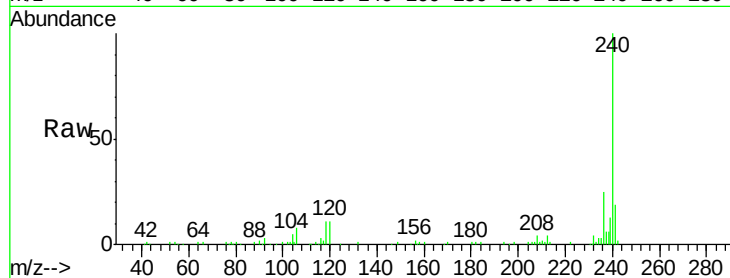
Tgt Ion:240 Resp: 121385

Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

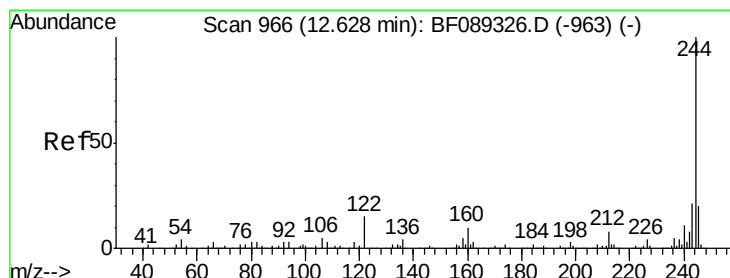
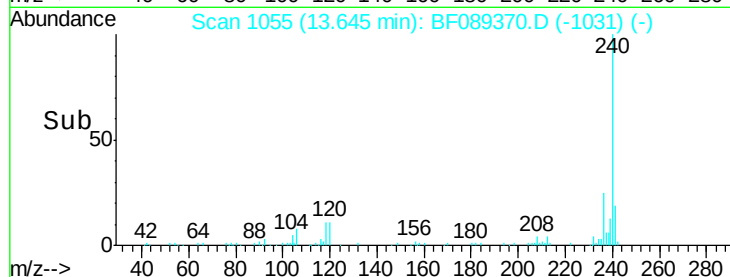
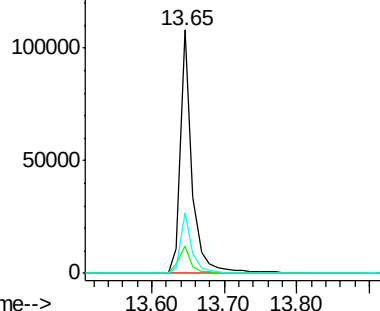
236 25.0 20.6 30.8



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: 99.97 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089370.D

Acq: 28 Jul 2016 18:50

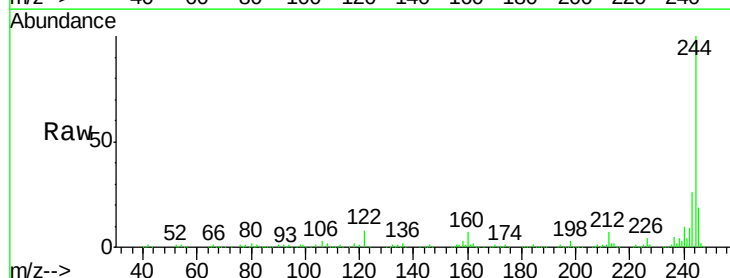
Tgt Ion:244 Resp: 518493

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

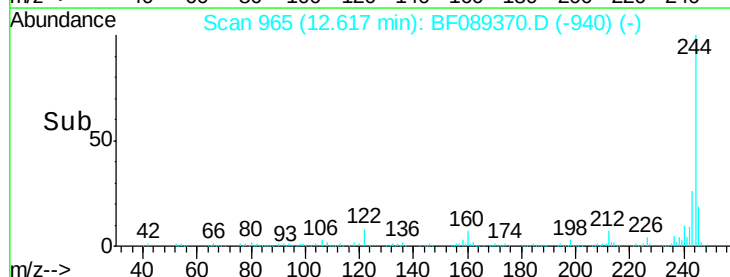
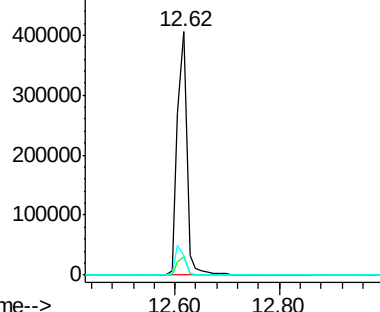
122 8.2 11.4 17.0#

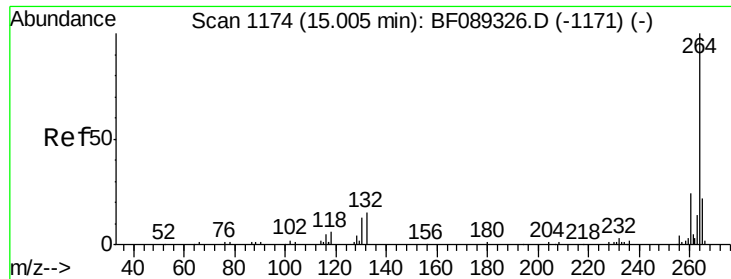


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

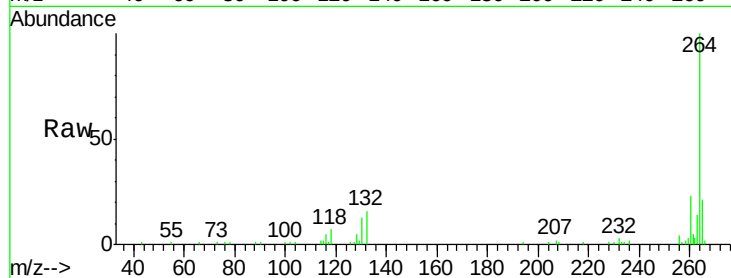




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089370.D
 Acq: 28 Jul 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-1

Tgt Ion: 264 Resp: 88879
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.4
 265 21.3 17.5 26.3



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

