

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072916\
 Data File : BF089412.D
 Acq On : 29 Jul 2016 15:17
 Operator : UM/SJ
 Sample : H4200-02RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 16:01:47 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

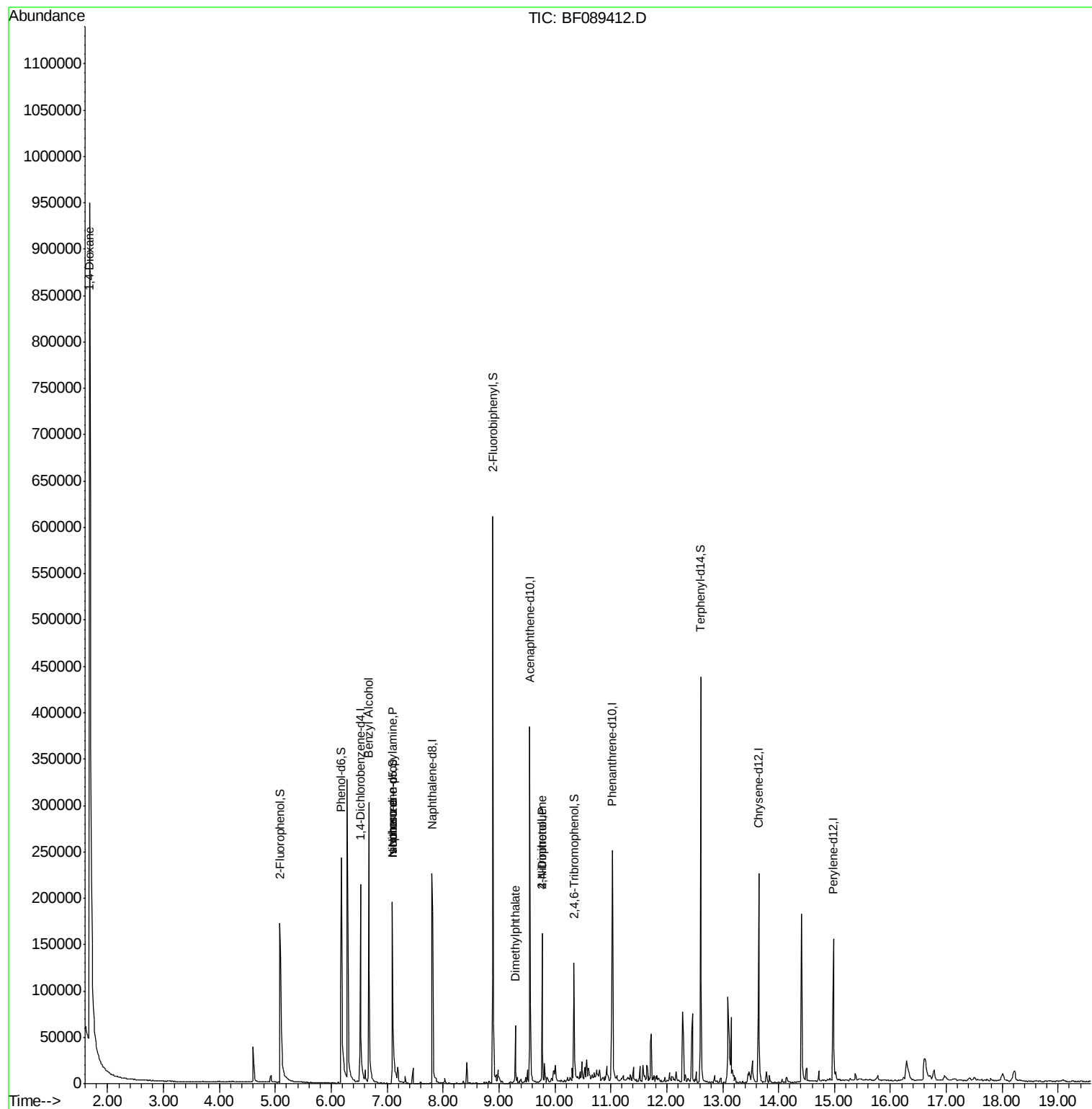
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	43285	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	169052	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	71529	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	109477	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	88959	20.00	ng	-0.02
86) Perylene-d12	14.98	264	76201	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	104089	38.40	ng	-0.02
7) Phenol-d6	6.18	99	152941	42.69	ng	-0.02
23) Nitrobenzene-d5	7.10	82	99370	34.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	19375	32.71	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	205689	42.20	ng	-0.02
78) Terphenyl-d14	12.60	244	139439	36.69	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	48183	39.15	ng	# 26
15) Benzyl Alcohol	6.67	79	4923	2.21	ng	# 57
19) n-Nitroso-di-n-propylamine	7.10	70	12296	5.69	ng	# 81
25) Isophorone	7.10	82	97098	16.83	ng	# 67
49) Dimethylphthalate	9.29	163	26308	4.83	ng	98
55) 4-Nitrophenol	9.77	139	317	6.69	ng	# 1
56) 2,4-Dinitrotoluene	9.77	165	4434	3.01	ng	# 11

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

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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

Instrument :

BNA_F

ClientSampled :

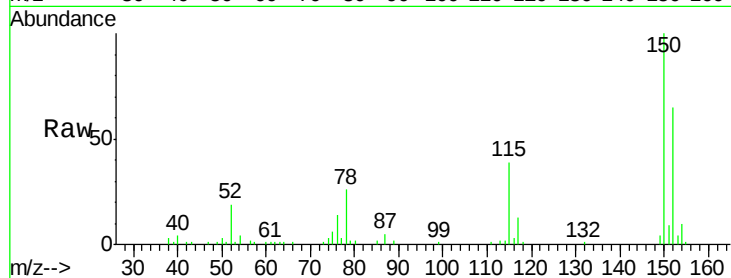
Tot Ion:152 Resp: 43285

Ion Ratio Lower Upper

152 100

150 154.9 129.5 194.3

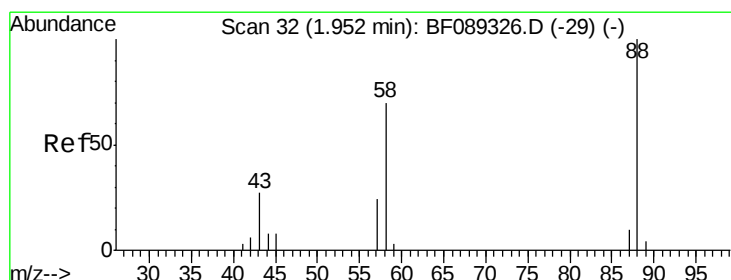
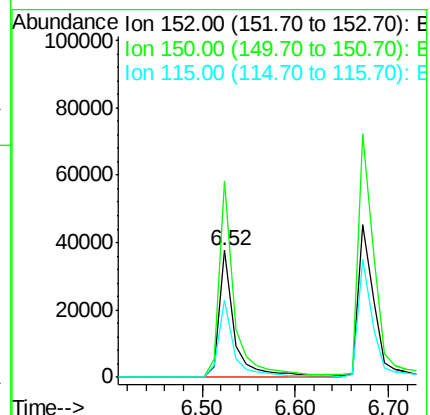
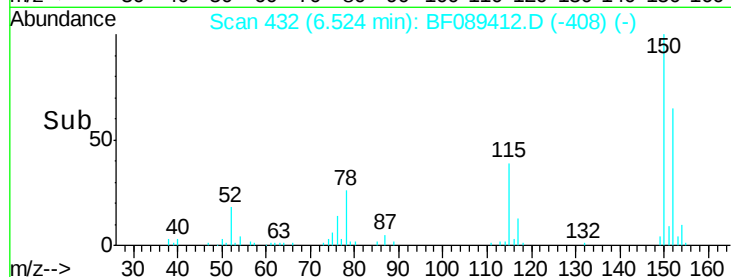
115 60.7 51.4 77.2



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



#2

1,4-Dioxane

Concen: 39.15 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

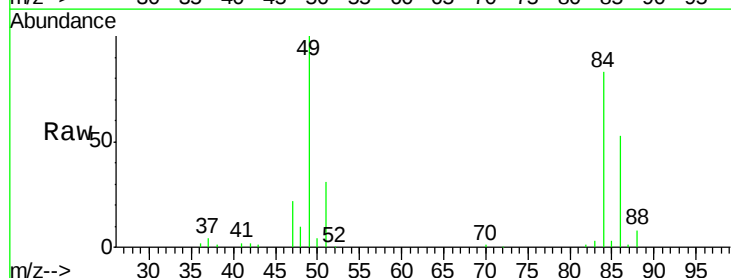
Tgt Ion: 88 Resp: 48183

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

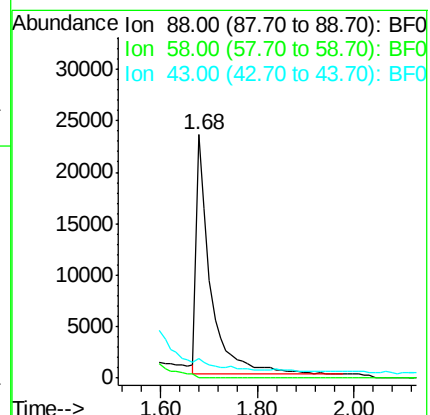
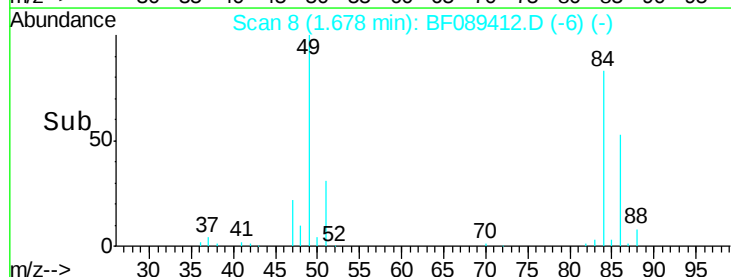
43 0.0 20.6 31.0#

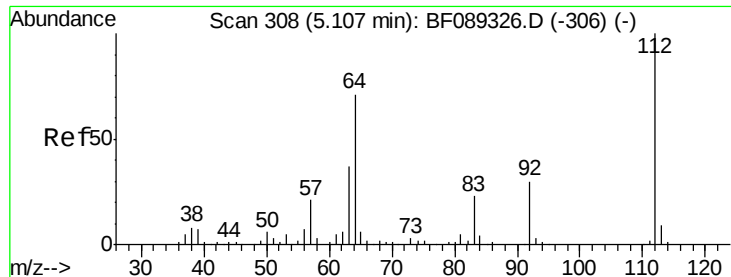


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

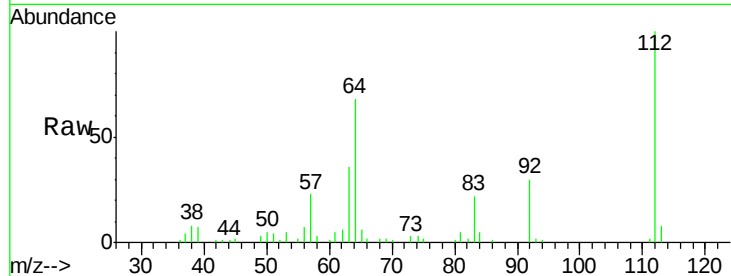




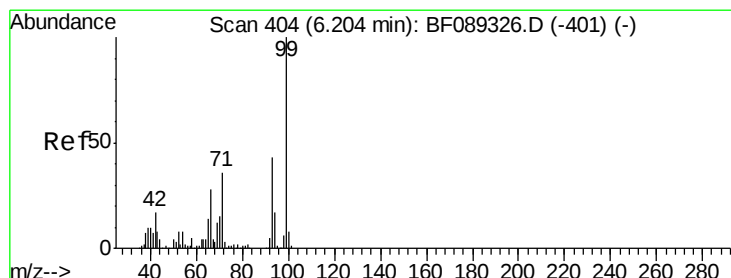
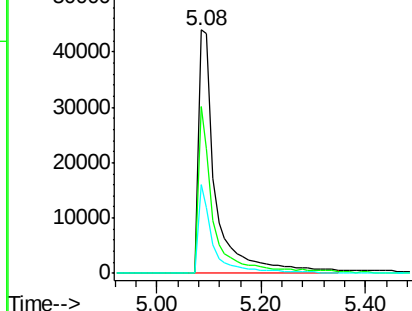
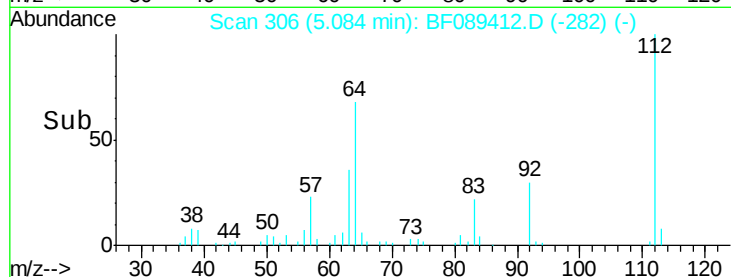
#5
 2-Fluorophenol
 Concen: 38.40 ng
 RT: 5.08 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.0	82.6
63	36.4	29.4	44.2

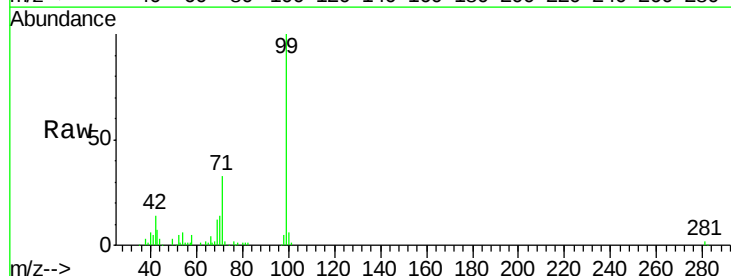


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

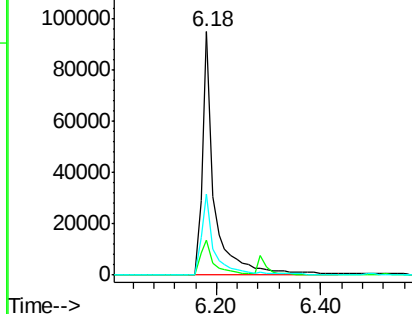
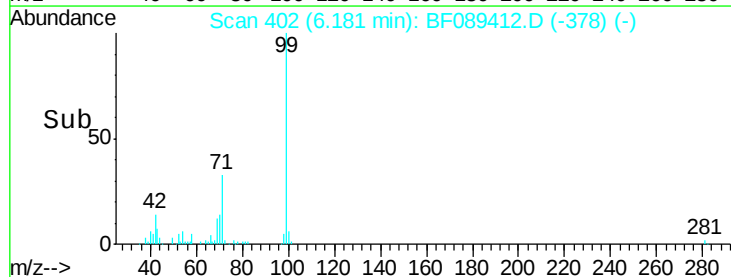


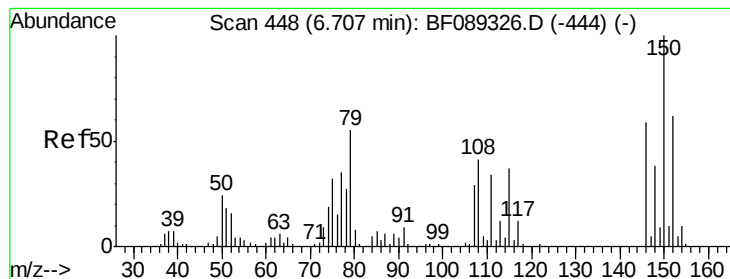
#7
 Phenol-d6
 Concen: 42.69 ng
 RT: 6.18 min Scan# 402
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.3	13.6	20.4
71	33.4	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: 2.21 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

Instrument :

BNA_F

ClientSampled :

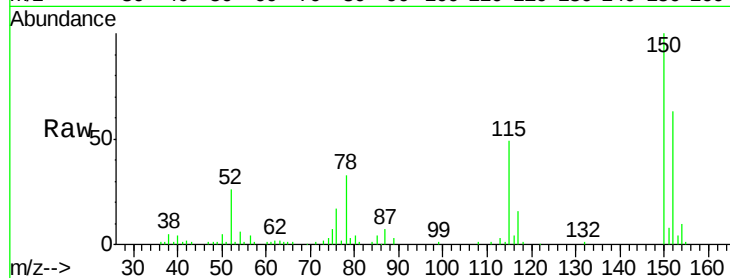
Tot Ion: 79 Resp: 4923

Ion Ratio Lower Upper

79 100

108 31.1 59.8 89.6#

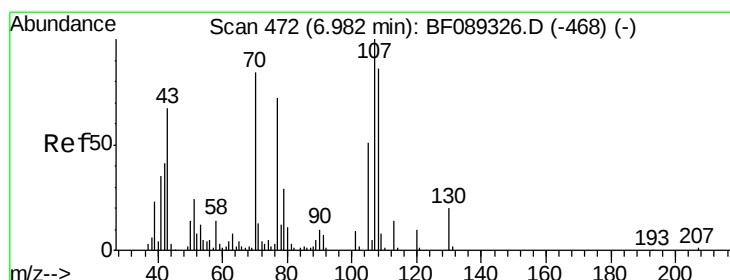
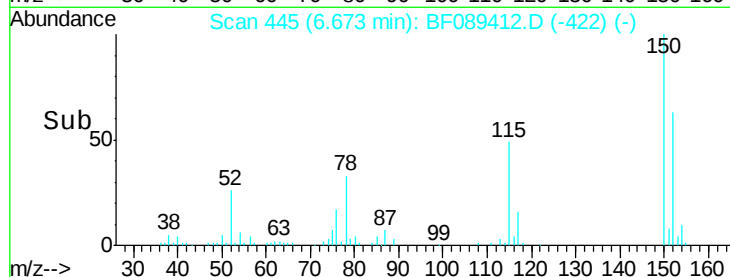
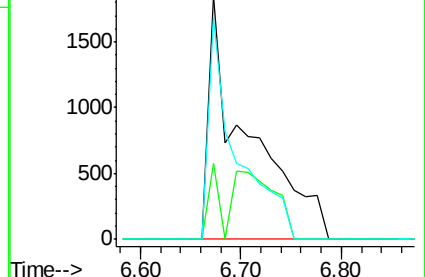
77 91.2 51.7 77.5#



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: 5.69 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

Tgt Ion: 70 Resp: 12296

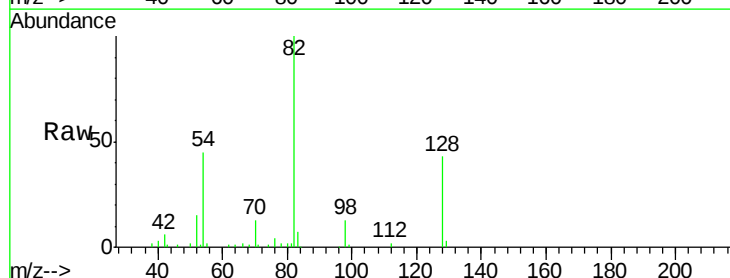
Ion Ratio Lower Upper

70 100

42 45.9 38.6 57.8

101 0.0 8.3 12.5#

130 0.0 19.0 28.4#

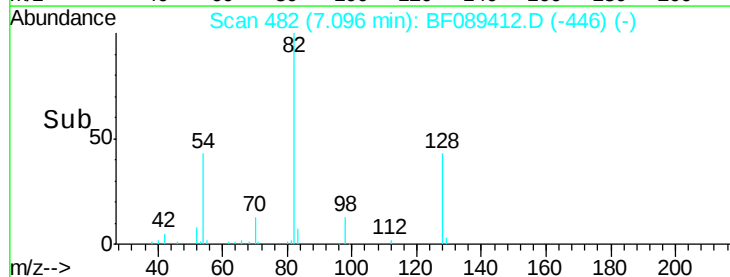
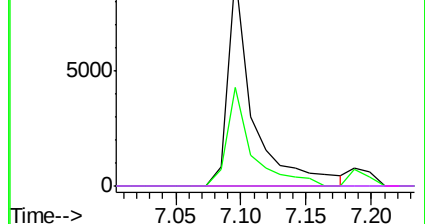


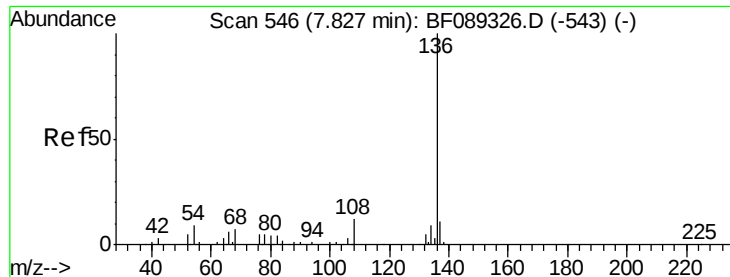
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089412.D

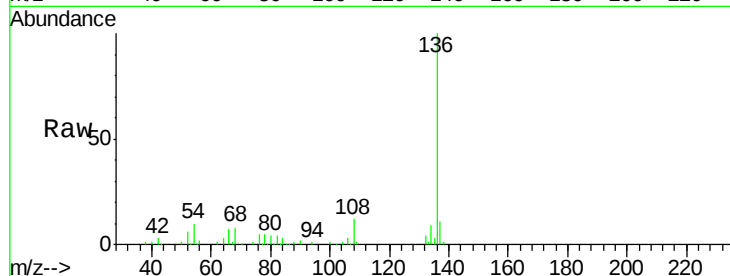
Acq: 29 Jul 2016 15:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	169052
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 13.0
54	10.3	7.0 10.4
68	7.7	4.9 7.3#

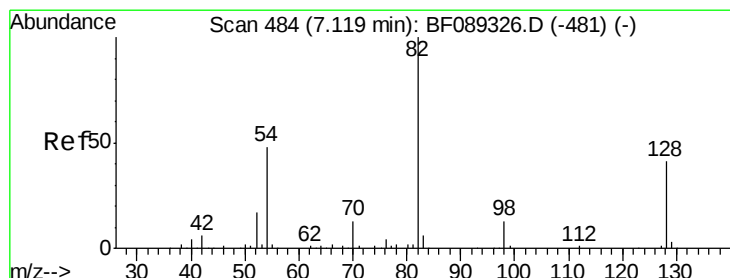
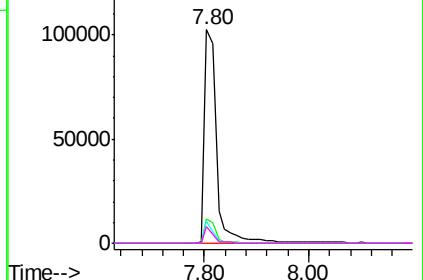
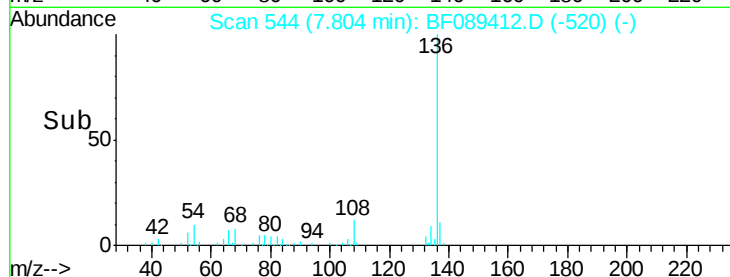


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.70 ng

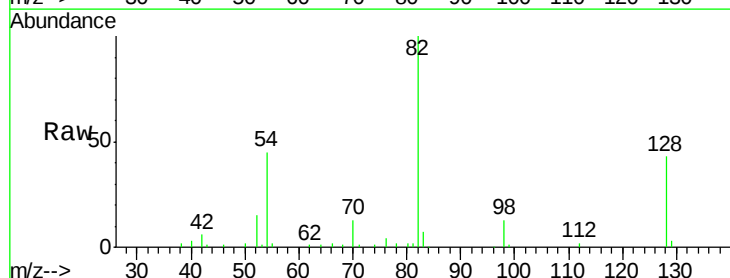
RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

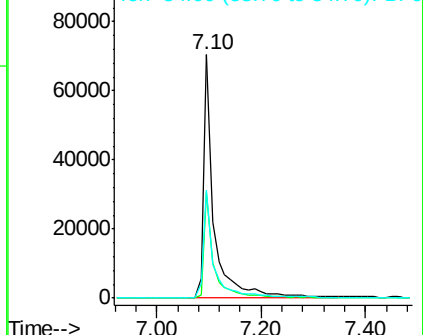
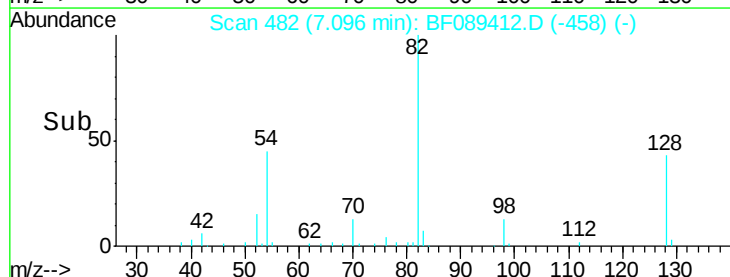
Tgt Ion: 82	Resp:	99370
Ion Ratio	Lower	Upper
82	100	
128	43.3	32.5 48.7
54	44.5	38.8 58.2

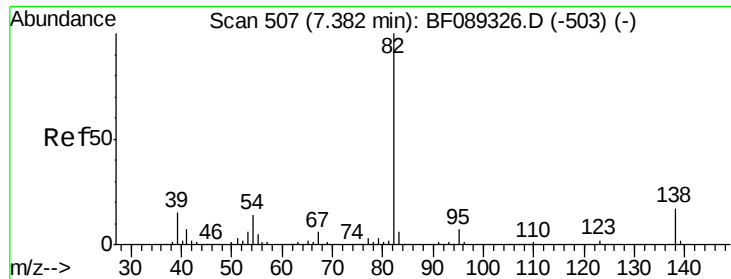


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 16.83 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

Instrument :

BNA_F

ClientSampled :

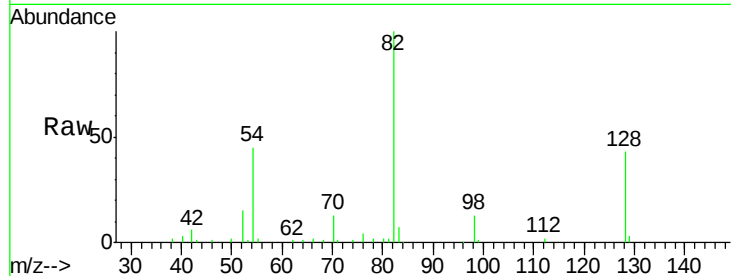
Tot Ion: 82 Resp: 97098

Ion Ratio Lower Upper

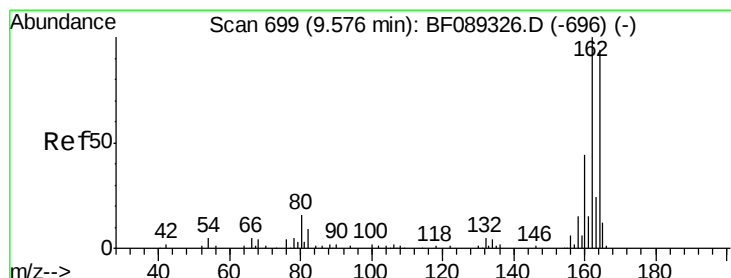
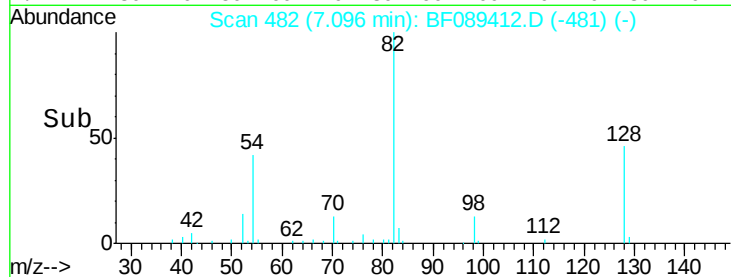
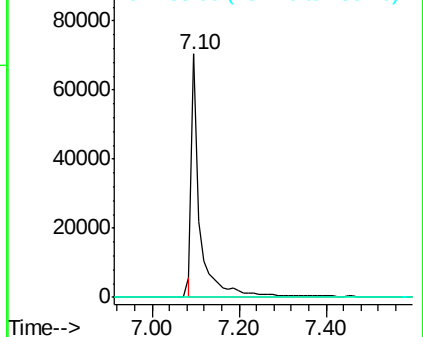
82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

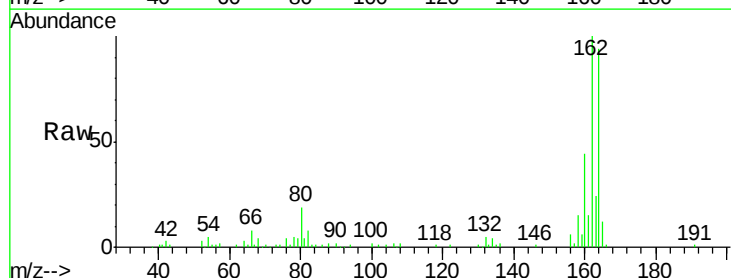
Tgt Ion:164 Resp: 71529

Ion Ratio Lower Upper

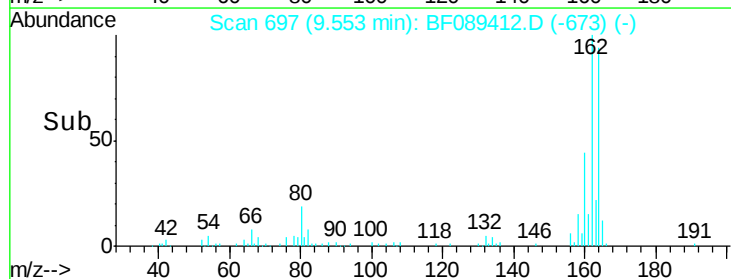
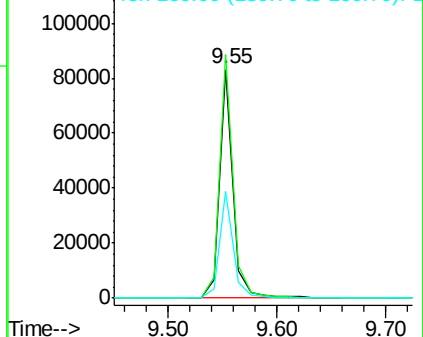
164 100

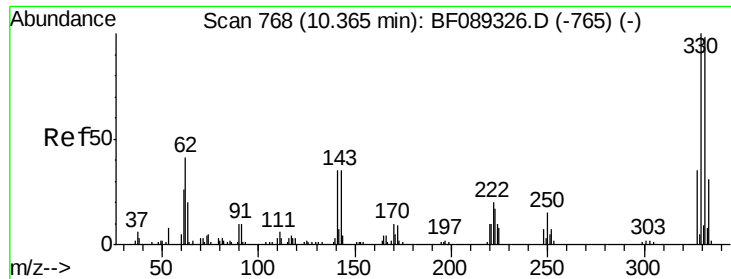
162 106.6 83.7 125.5

160 46.5 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

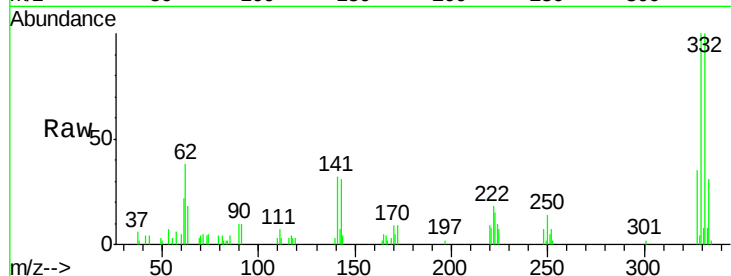




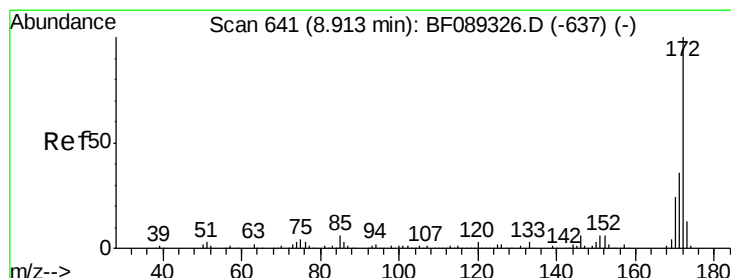
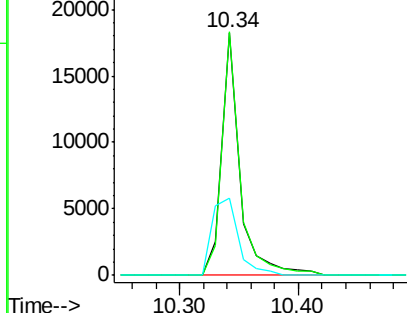
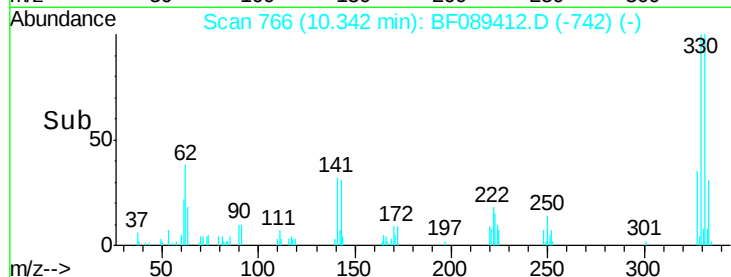
#41
 2,4,6-Tribromophenol
 Concen: 32.71 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.8	115.2
141	46.6	37.3	55.9

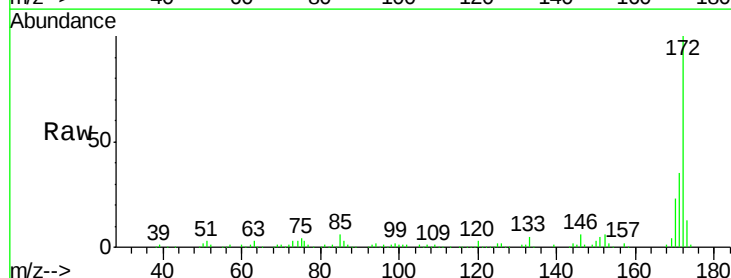


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

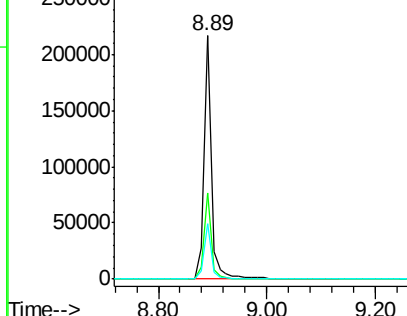
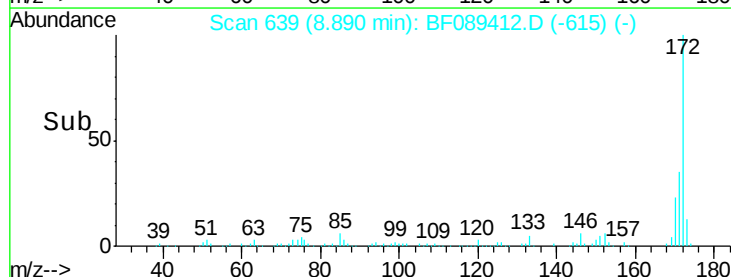


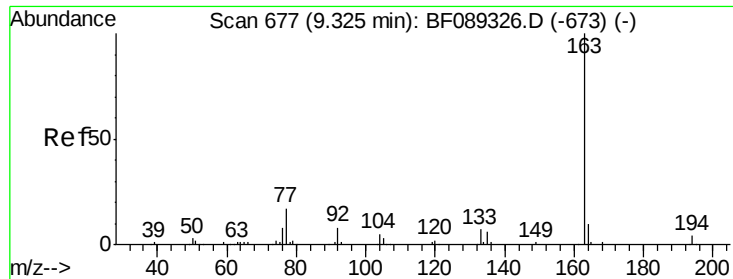
#44
 2-Fluorobiphenyl
 Concen: 42.20 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.2	43.8
170	22.9	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

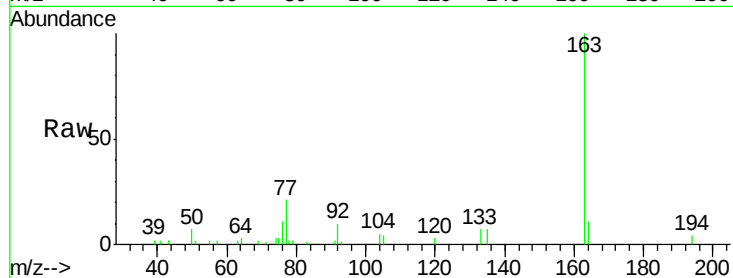




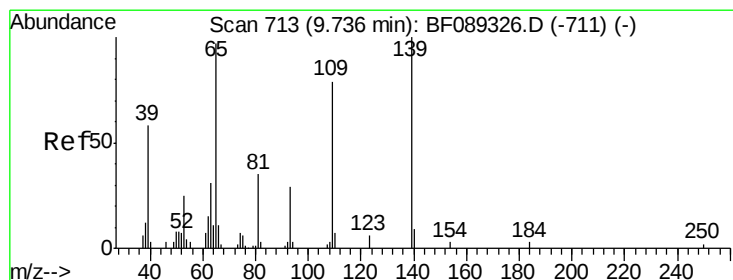
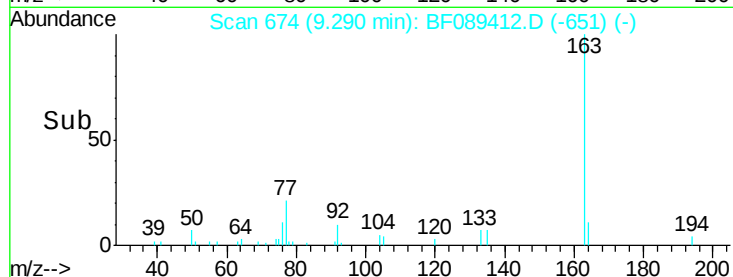
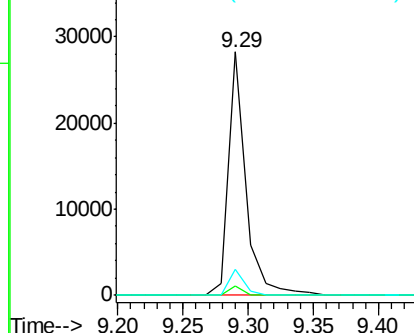
#49
Dimethylphthalate
Concen: 4.83 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089412.D
Acq: 29 Jul 2016 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 26308
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.8 7.8 11.8

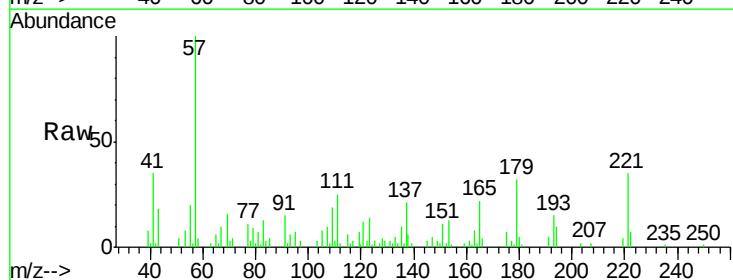


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

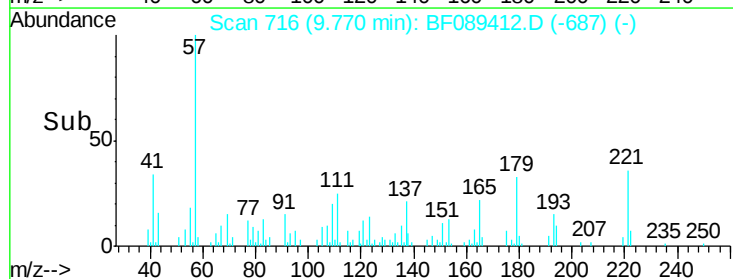
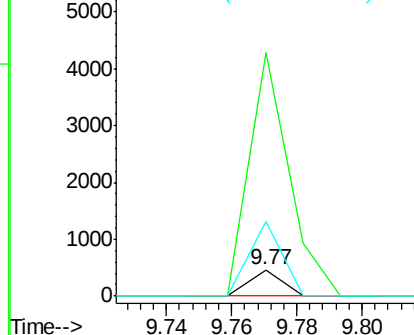


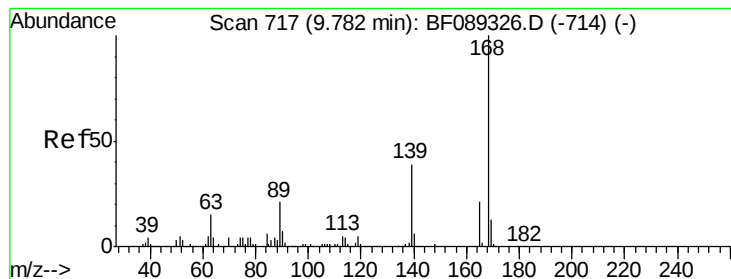
#55
4-Nitrophenol
Concen: 6.69 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.03 min
Lab File: BF089412.D
Acq: 29 Jul 2016 15:17

Tgt Ion:139 Resp: 317
Ion Ratio Lower Upper
139 100
109 927.3 57.8 97.8#
65 285.3 81.7 121.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

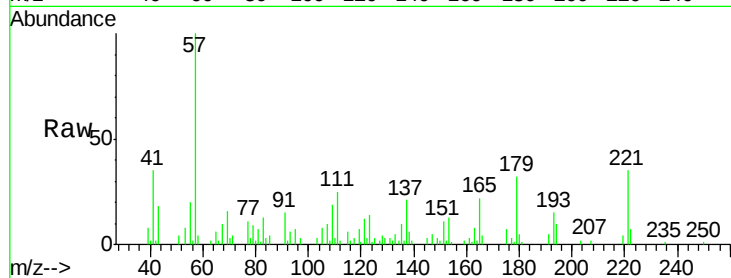




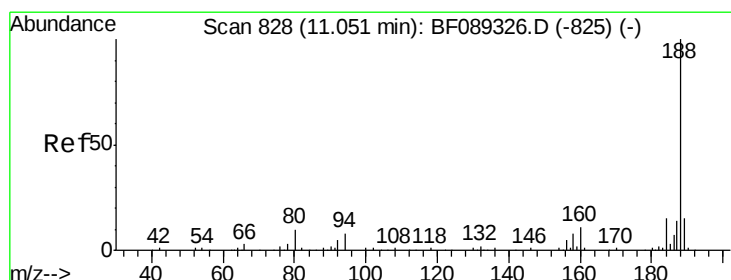
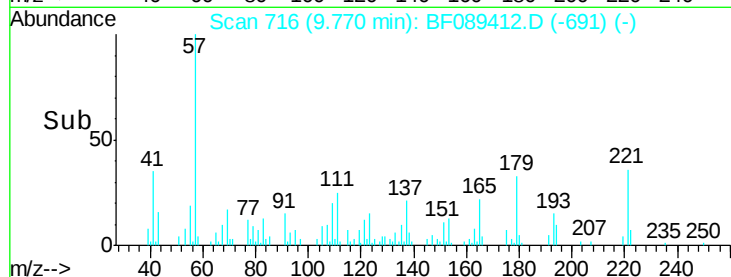
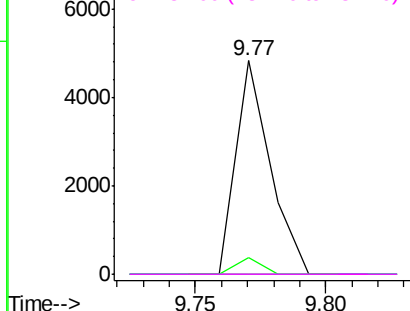
#56
 2,4-Dinitrotoluene
 Concen: 3.01 ng
 RT: 9.77 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 4434
 Ion Ratio Lower Upper
 165 100
 63 7.6 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#

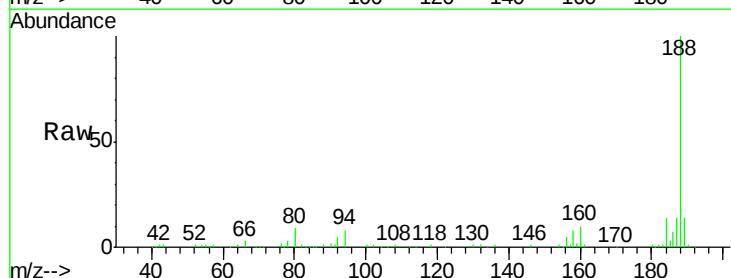


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

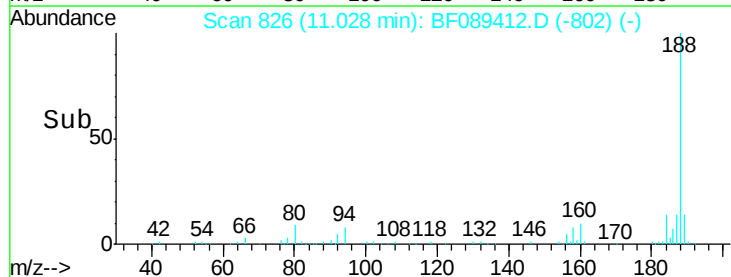
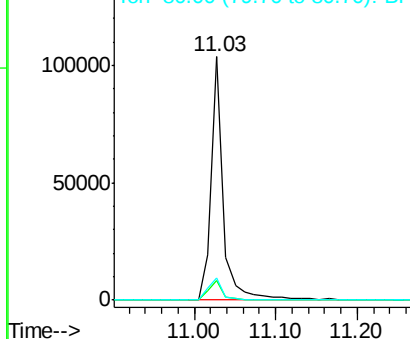


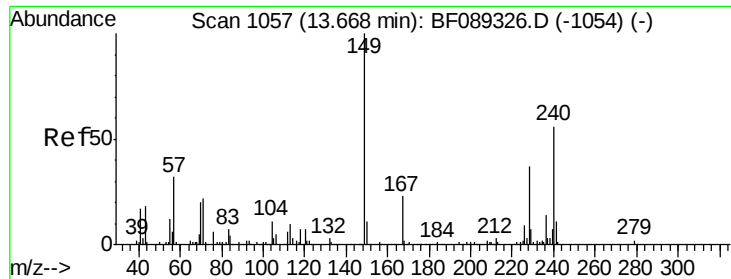
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Tgt Ion:188 Resp: 109477
 Ion Ratio Lower Upper
 188 100
 94 7.8 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

Instrument :

BNA_F

ClientSampled :

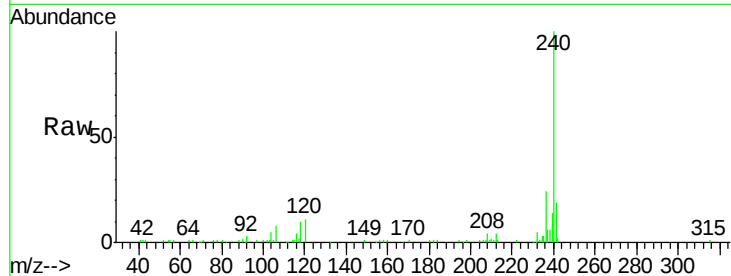
Tot Ion:240 Resp: 88959

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

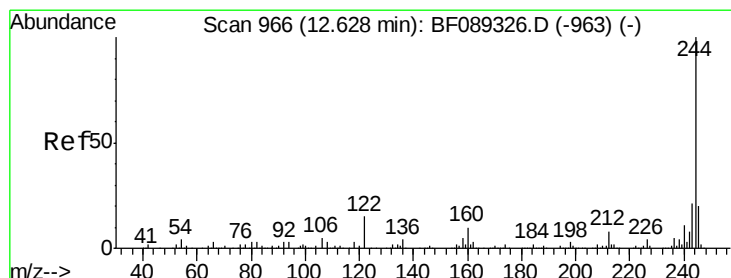
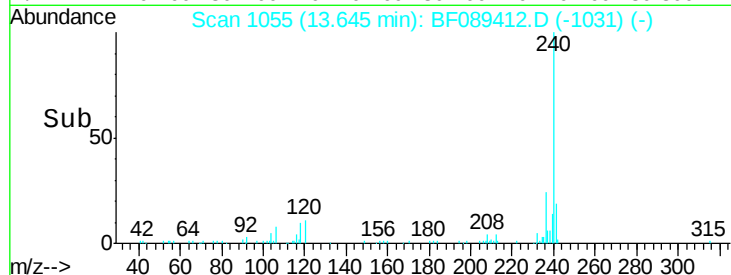
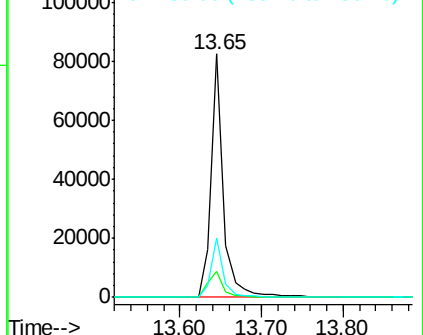
236 24.3 20.6 30.8



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: 36.69 ng

RT: 12.60 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089412.D

Acq: 29 Jul 2016 15:17

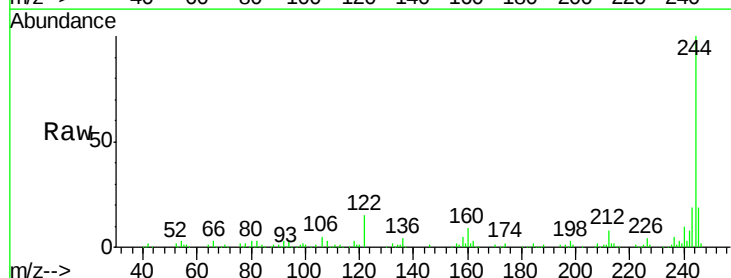
Tgt Ion:244 Resp: 139439

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

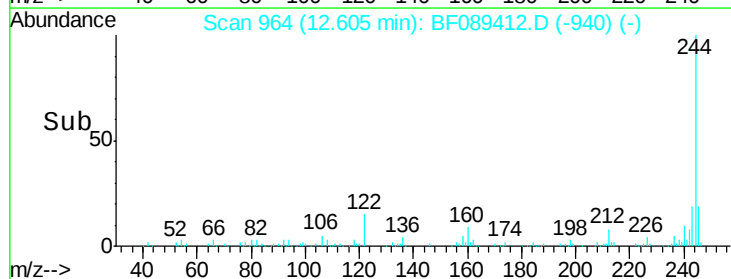
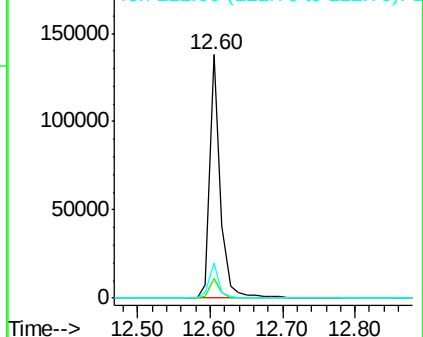
122 14.6 11.4 17.0

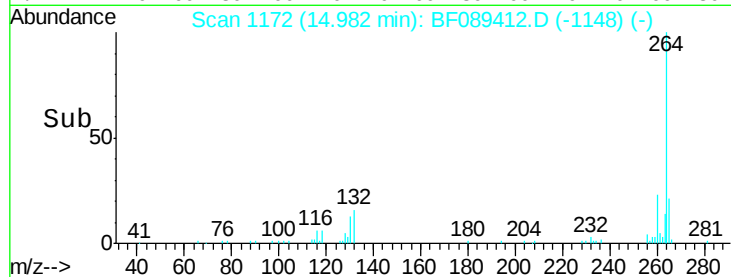
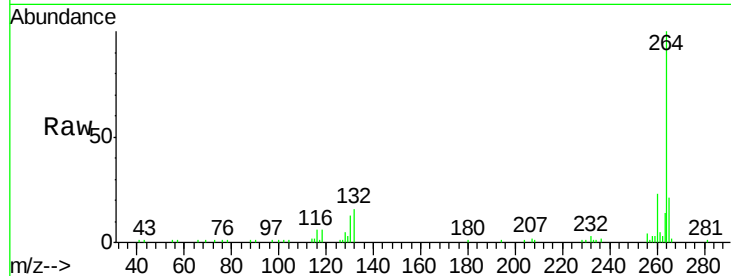
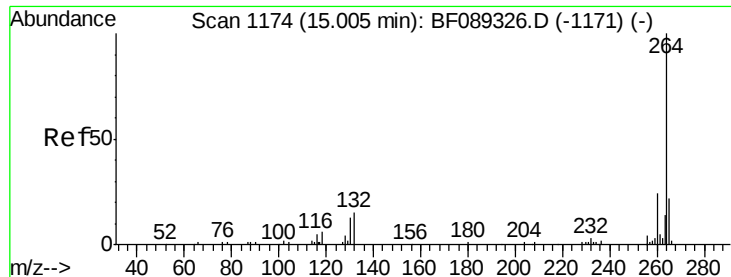


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089412.D
 Acq: 29 Jul 2016 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	76201
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	21.0	17.5	26.3

