

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072916\
 Data File : BF089410.D
 Acq On : 29 Jul 2016 14:17
 Operator : UM/SJ
 Sample : H4265-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 15:40:06 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	51253	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	187468	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	77738	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	122179	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	101782	20.00	ng	-0.02
86) Perylene-d12	14.98	264	84193	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	387961	120.86	ng	0.01
7) Phenol-d6	6.19	99	464461	109.49	ng	-0.01
23) Nitrobenzene-d5	7.10	82	304766	95.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	74587	115.85	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	509556	96.20	ng	-0.02
78) Terphenyl-d14	12.61	244	344373	79.19	ng	-0.02

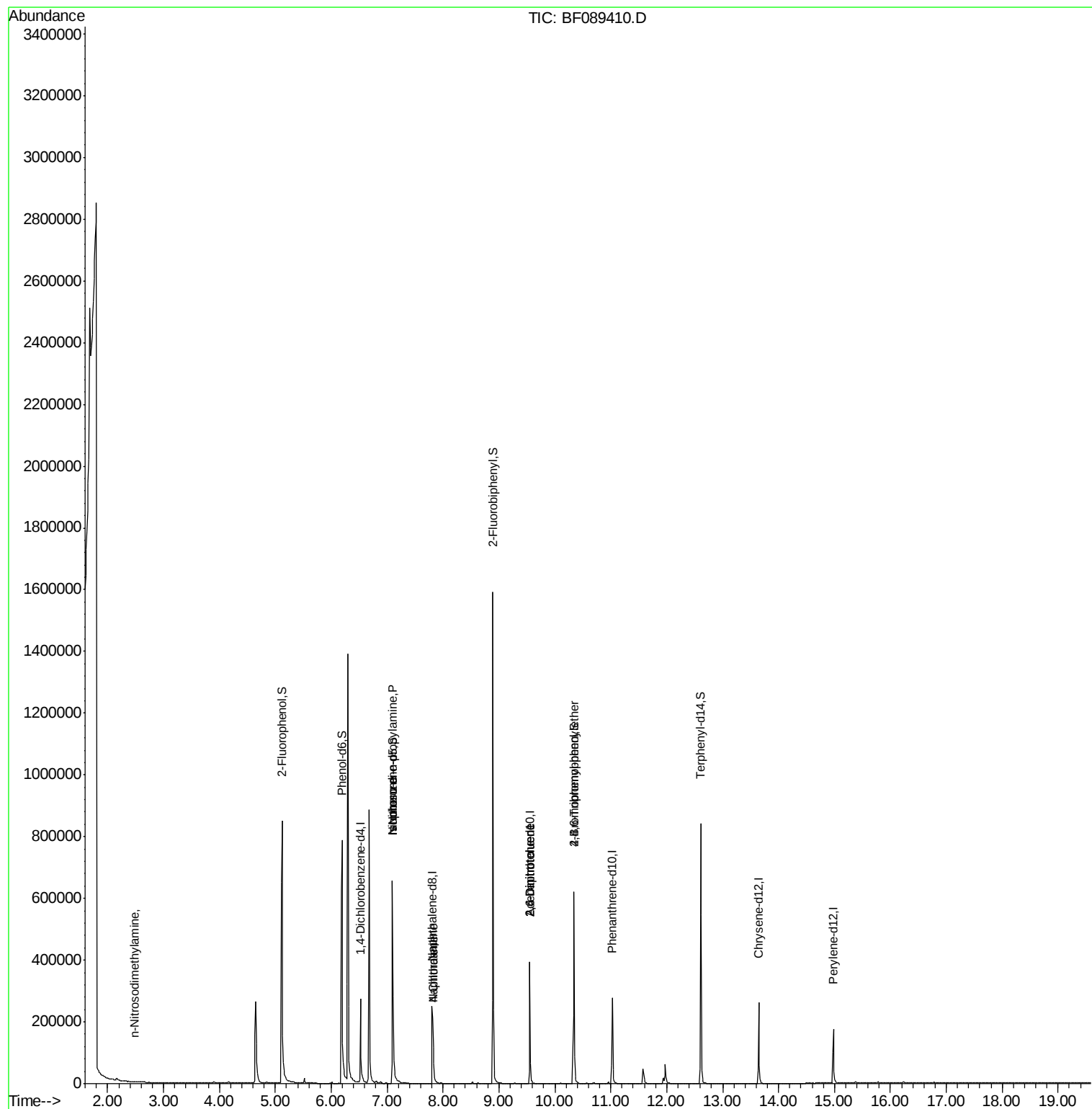
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.82	88	693	Below Cal	#	26
4) n-Nitrosodimethylamine	2.48	42	206	7.87	ng	# 1
19) n-Nitroso-di-n-propylamine	7.10	70	40513	15.84	ng	# 83
25) Isophorone	7.10	82	286225	44.74	ng	# 67
31) Naphthalene	7.83	128	62035	6.68	ng	100
33) 4-Chloroaniline	7.83	127	7294	2.06	ng	# 35
50) 2,6-Dinitrotoluene	9.55	165	9467	7.79	ng	# 24
56) 2,4-Dinitrotoluene	9.55	165	9467	5.92	ng	# 7
66) 4-Bromophenyl-phenylether	10.34	248	5770	4.95	ng	# 1

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

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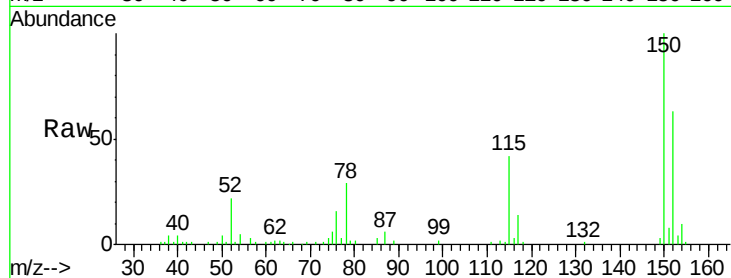


#1

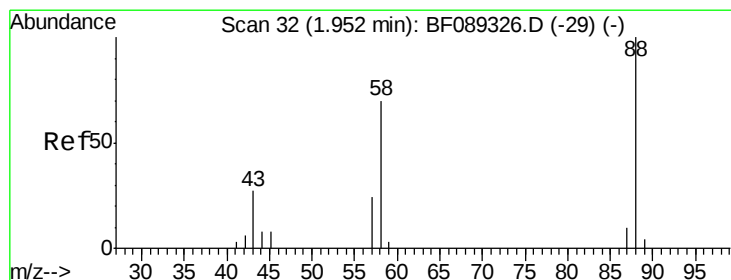
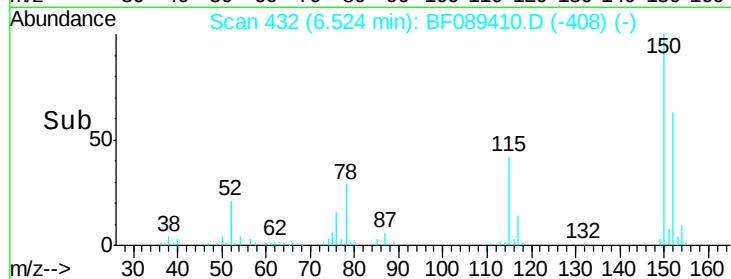
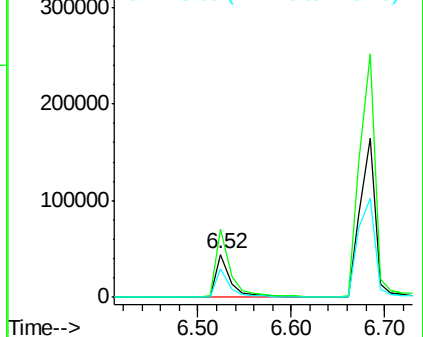
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	129.5	194.3
115	65.6	51.4	77.2



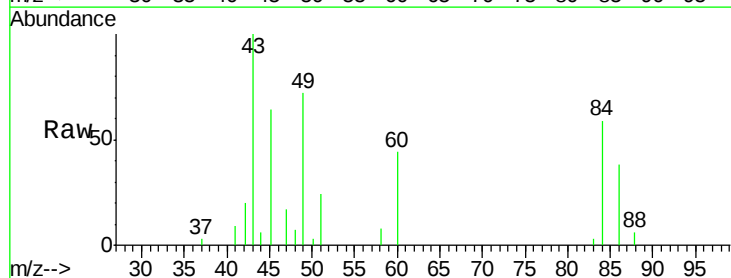
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



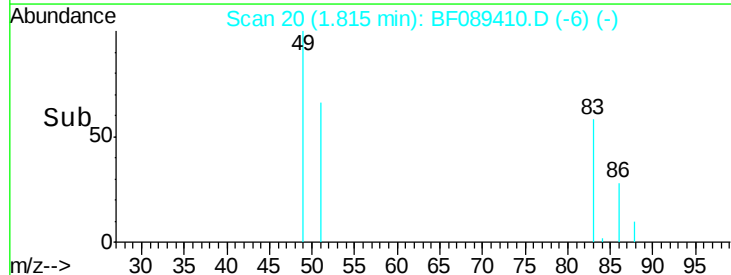
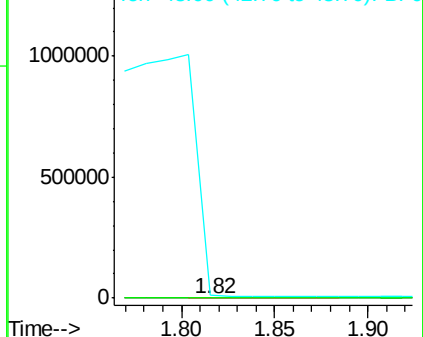
#2

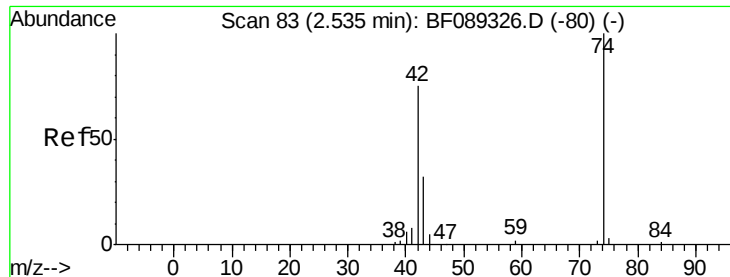
1,4-Dioxane
Concen: Below Cal
RT: 1.82 min Scan# 20
Delta R.T. -0.14 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

Tgt 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



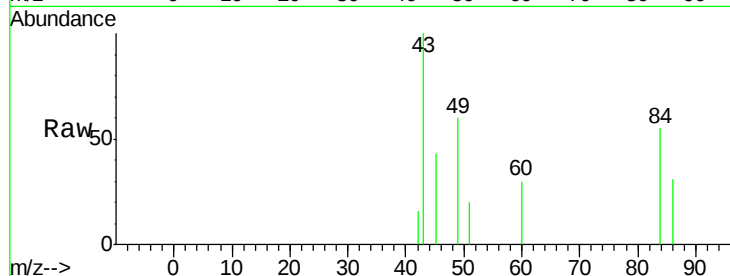


#4

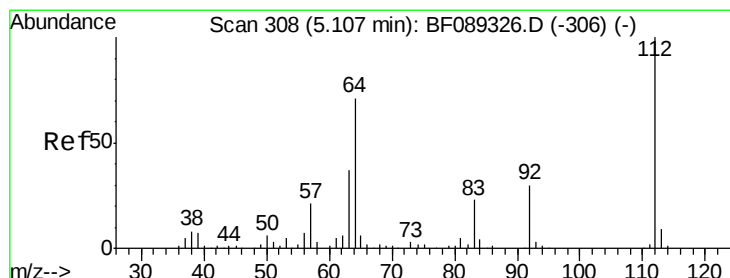
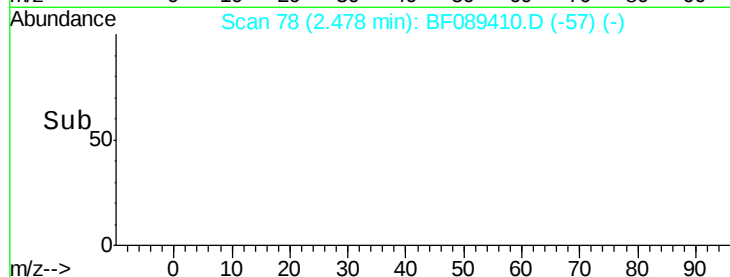
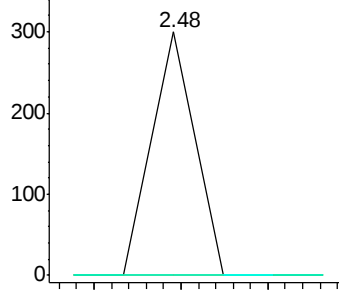
n-Nitrosodimethylamine
 Concen: 7.87 ng
 RT: 2.48 min Scan# 78
 Delta R.T. -0.06 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 42 Resp: 206
 Ion Ratio Lower Upper
 42 100
 74 0.0 110.8 166.2#
 44 0.0 5.2 7.8#



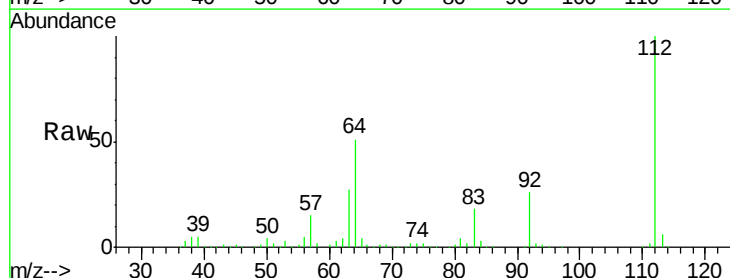
Abundance Ion 42.00 (41.70 to 42.70): BF0
 Ion 74.00 (73.70 to 74.70): BF0
 Ion 44.00 (43.70 to 44.70): BF0



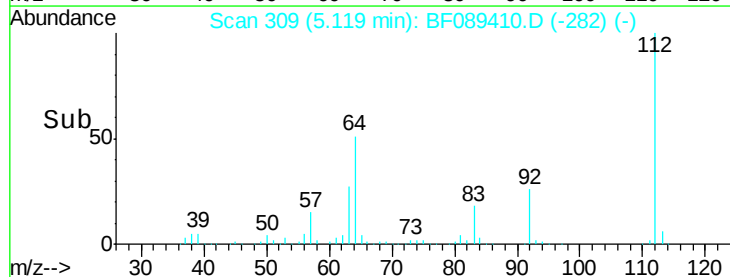
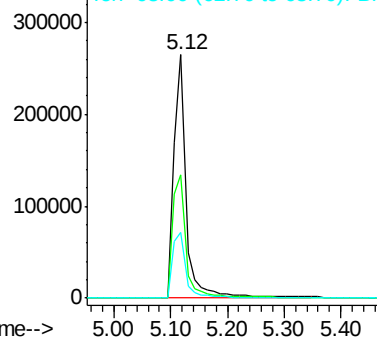
#5

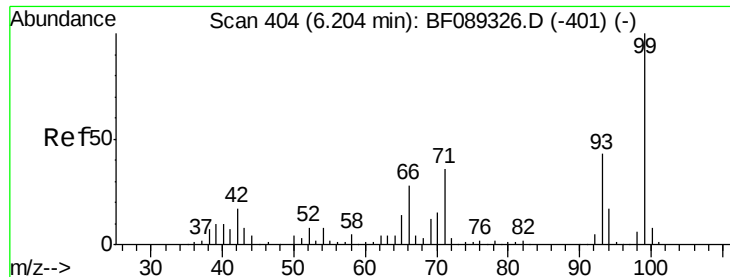
2-Fluorophenol
 Concen: 120.86 ng
 RT: 5.12 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Tgt Ion: 112 Resp: 387961
 Ion Ratio Lower Upper
 112 100
 64 50.5 55.0 82.6#
 63 27.2 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: 109.49 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

Instrument :

BNA_F

ClientSampleId :

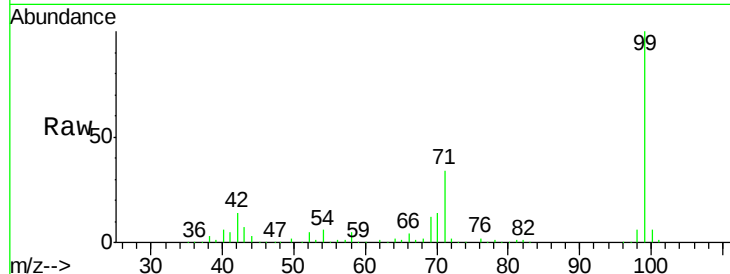
Tot Ion: 99 Resp: 464461

Ion Ratio Lower Upper

99 100

42 13.9 13.6 20.4

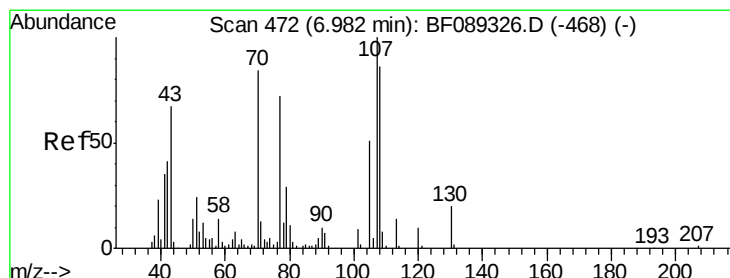
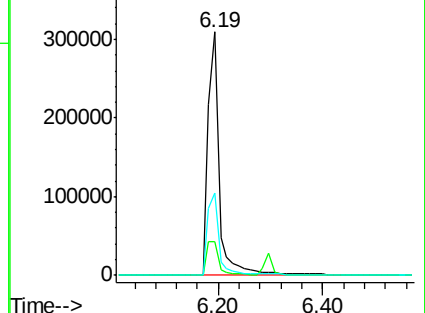
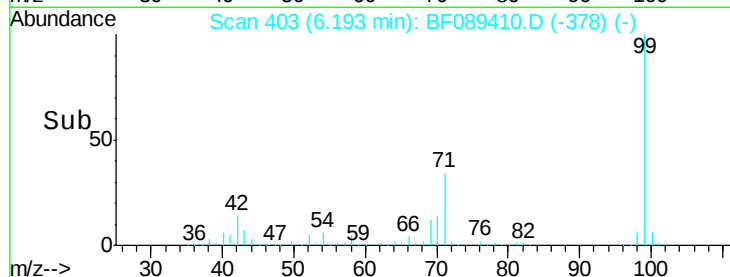
71 33.9 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.84 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.11 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

Tgt Ion: 70 Resp: 40513

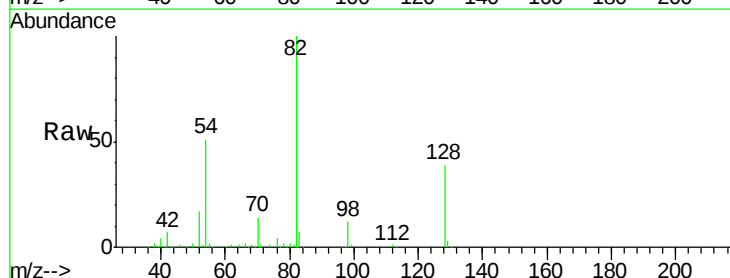
Ion Ratio Lower Upper

70 100

42 47.0 38.6 57.8

101 0.0 8.3 12.5#

130 1.6 19.0 28.4#

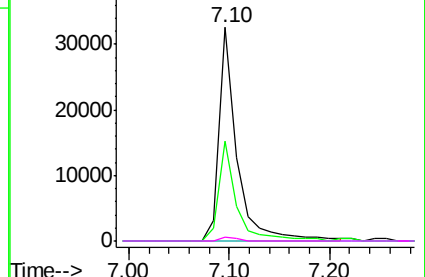
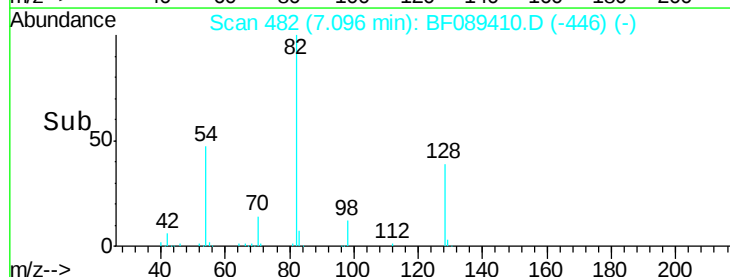


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

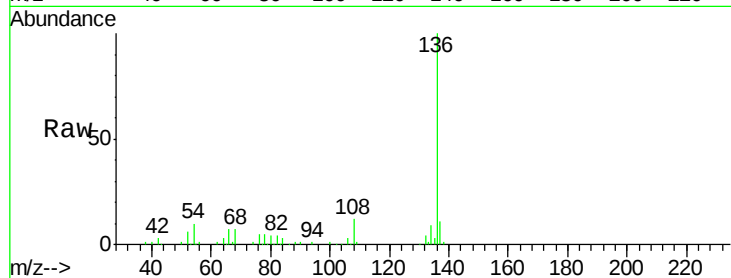




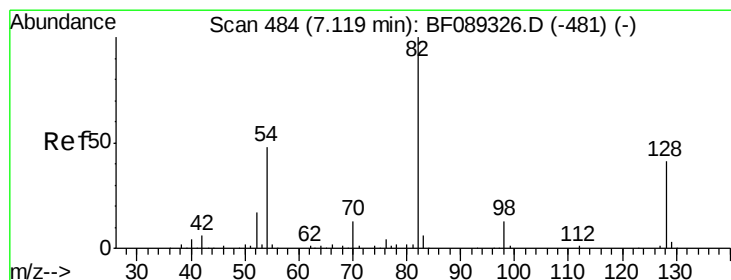
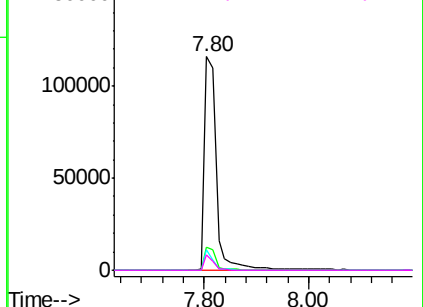
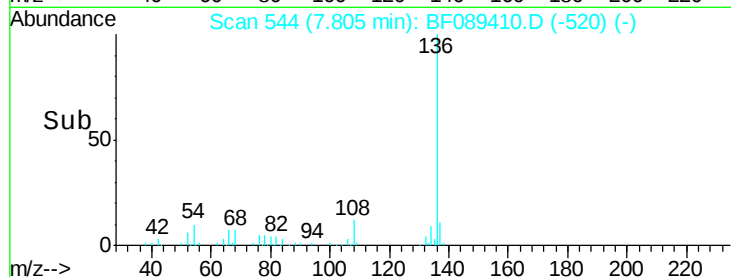
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	187468
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	9.8	7.0 10.4
68	7.3	4.9 7.3#

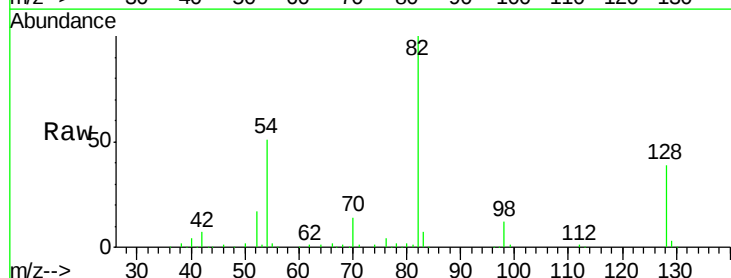


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

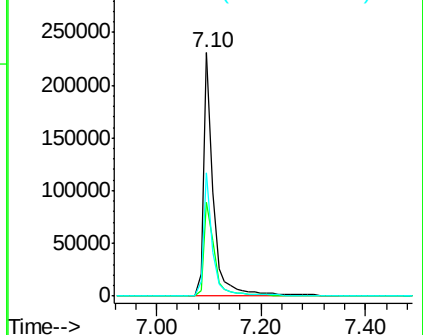
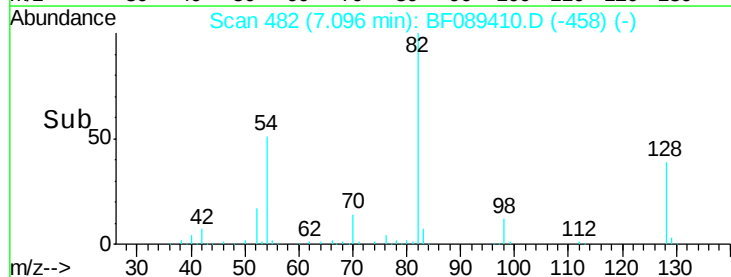


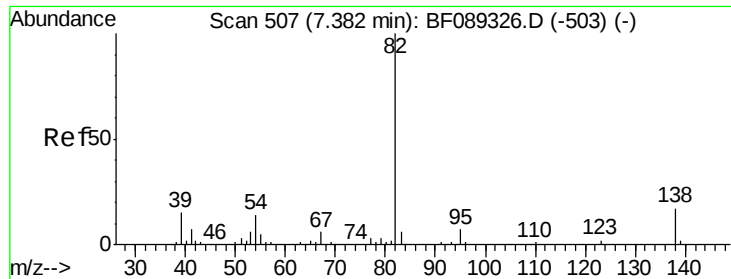
#23
Nitrobenzene-d5
Concen: 95.96 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

Tgt Ion: 82	Resp:	304766
Ion Ratio	Lower	Upper
82	100	
128	38.7	32.5 48.7
54	50.5	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: 44.74 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.29 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

Instrument :

BNA_F

ClientSampleId :

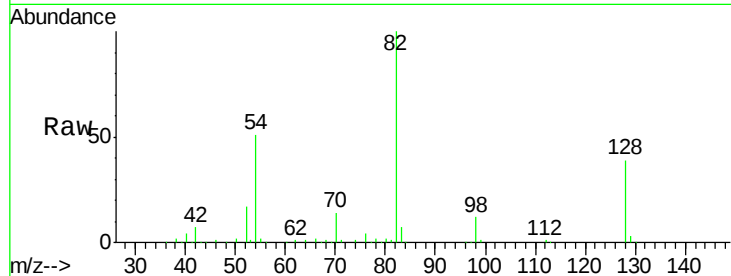
Tot Ion: 82 Resp: 286225

Ion Ratio Lower Upper

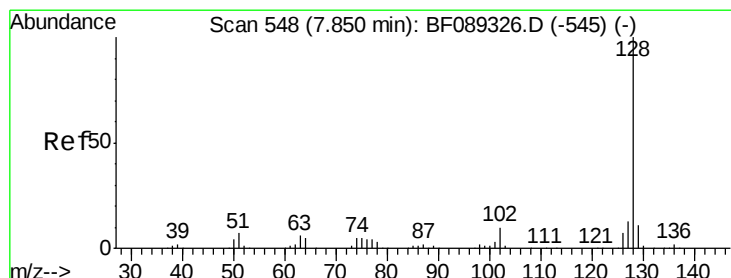
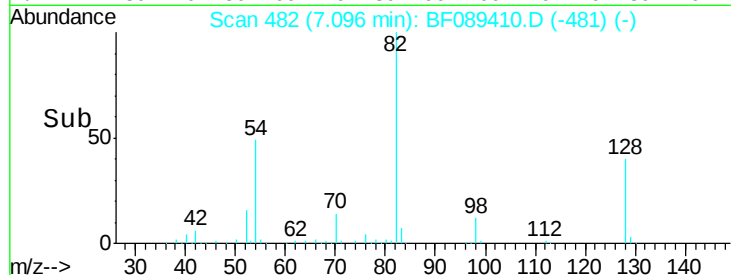
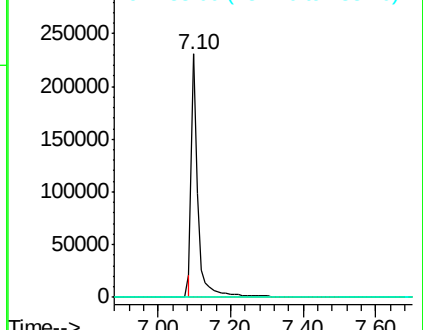
82 100

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



#31

Naphthalene

Concen: 6.68 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.02 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

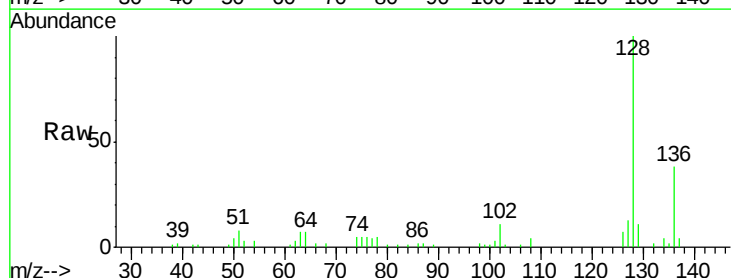
Tgt Ion: 128 Resp: 62035

Ion Ratio Lower Upper

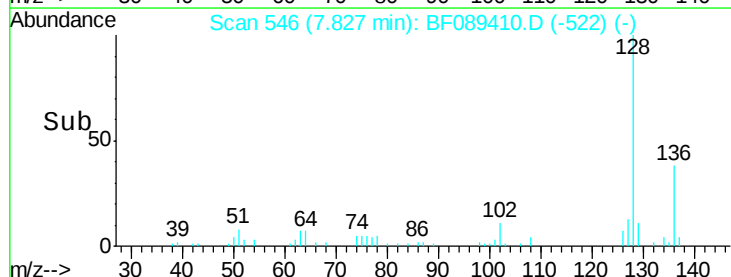
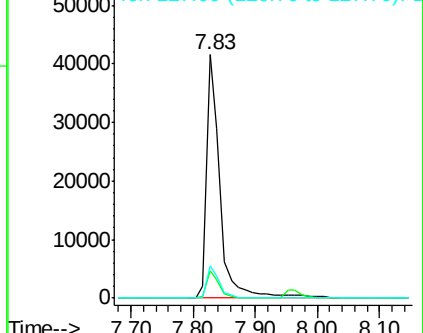
128 100

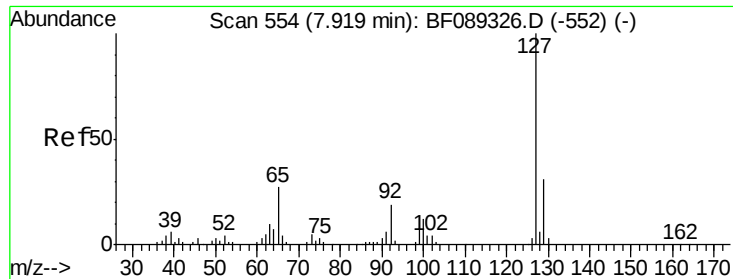
129 11.2 8.8 13.2

127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

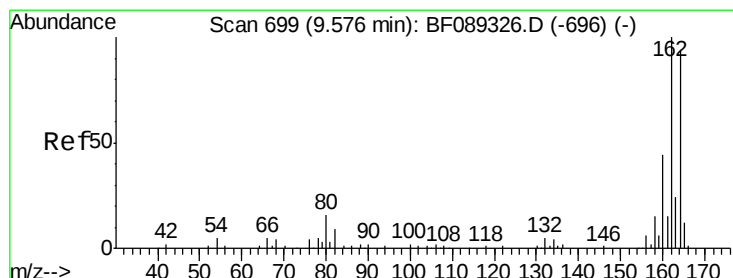
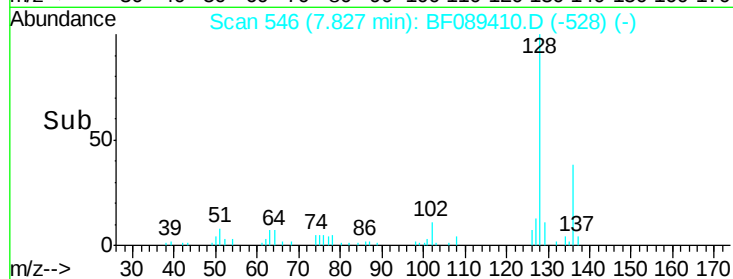
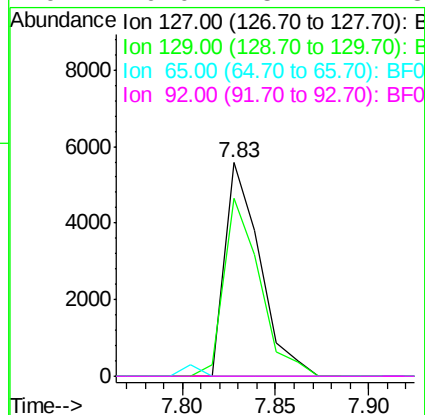
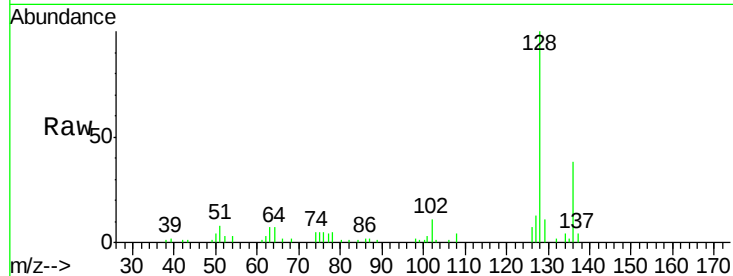




#33
4-Chloroaniline
Concen: 2.06 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.09 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

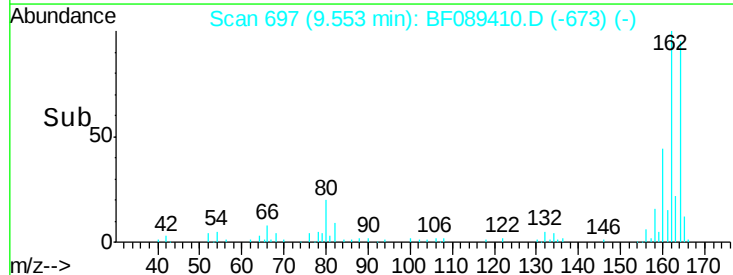
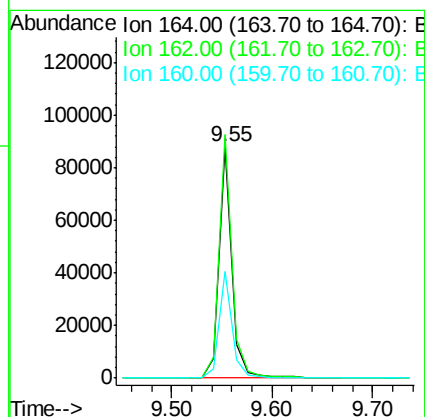
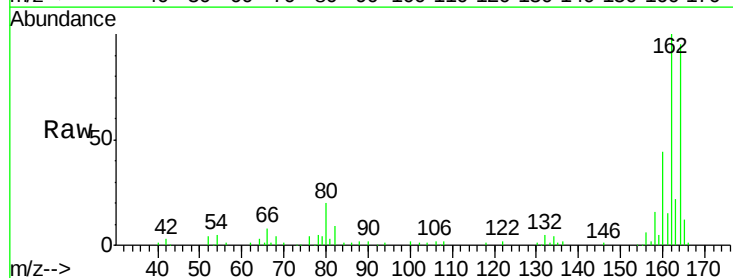
Instrument :
BNA_F
ClientSampleId :

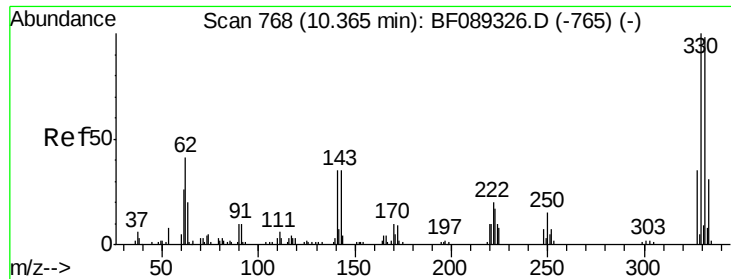
Tot Ion:127 Resp: 7294
Ion Ratio Lower Upper
127 100
129 83.2 26.1 39.1#
65 0.0 22.0 33.0#
92 0.0 15.2 22.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089410.D
Acq: 29 Jul 2016 14:17

Tgt Ion:164 Resp: 77738
Ion Ratio Lower Upper
164 100
162 105.4 83.7 125.5
160 46.1 37.8 56.6

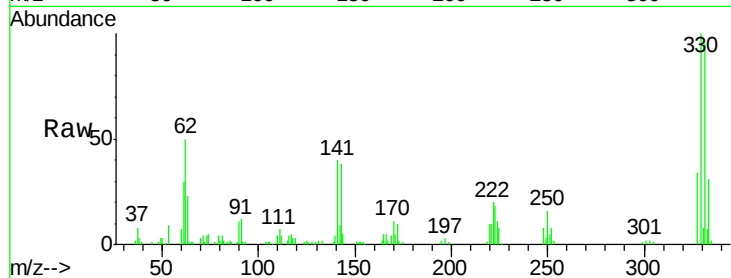




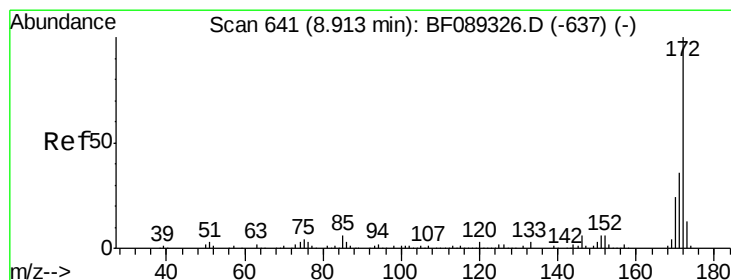
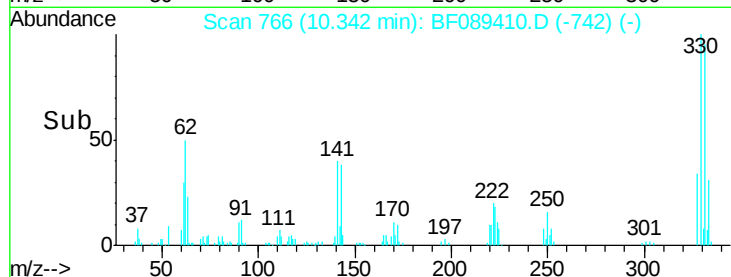
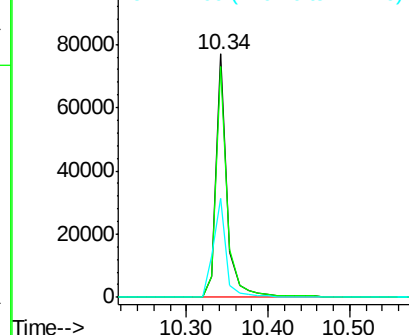
#41
 2,4,6-Tribromophenol
 Concen: 115.85 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 74587
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.8 115.2
 141 47.8 37.3 55.9

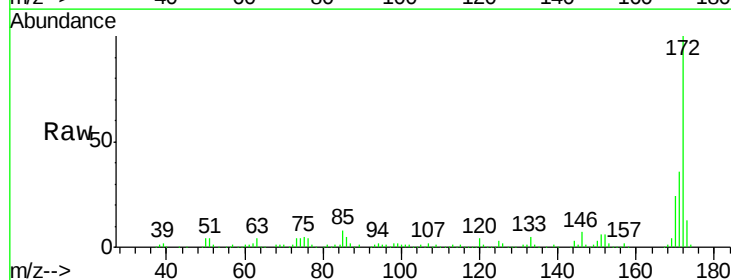


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

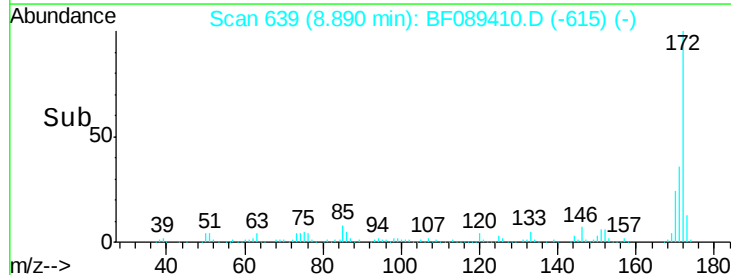
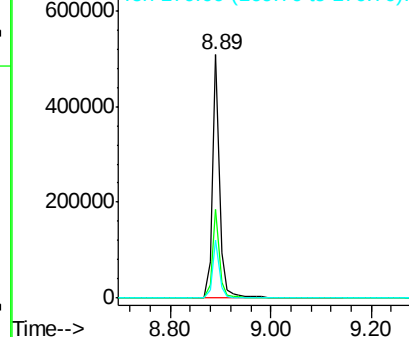


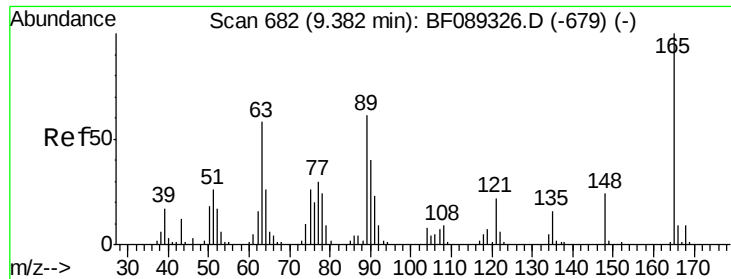
#44
 2-Fluorobiphenyl
 Concen: 96.20 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Tgt Ion:172 Resp: 509556
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.9 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

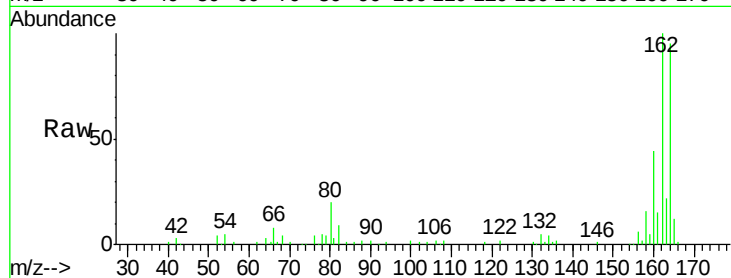




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.17 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Instrument :
 BNA_F
 ClientSampleId :

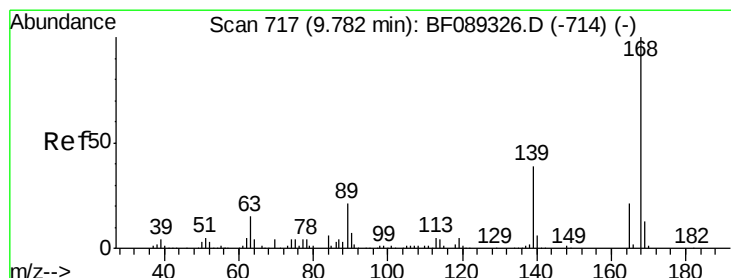
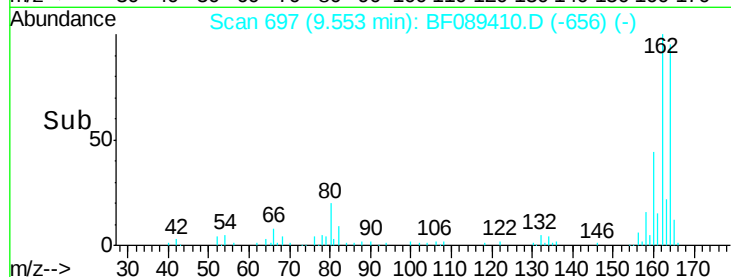
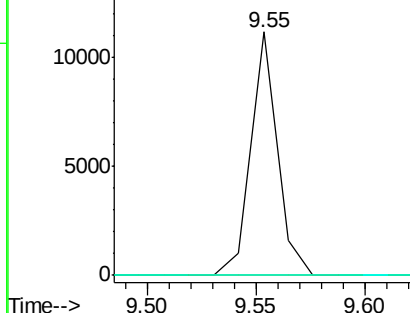
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#



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: 5.92 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.23 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

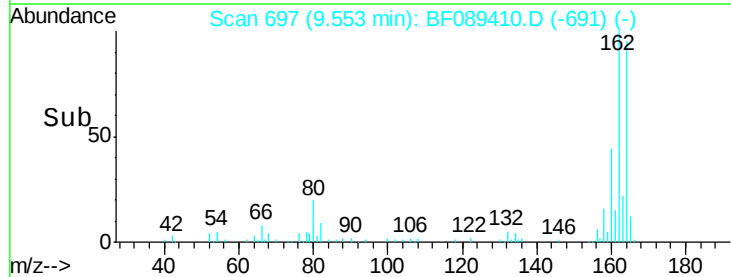
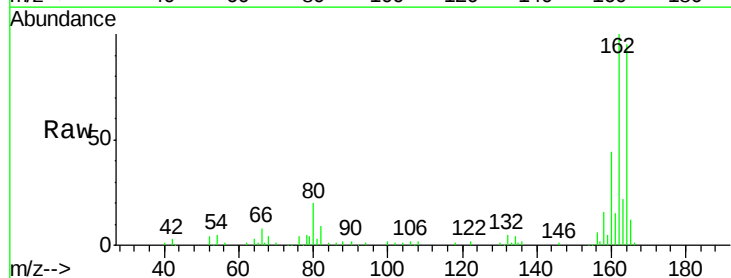
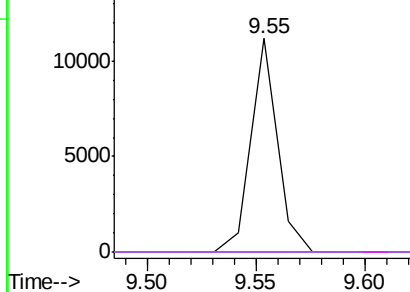
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#

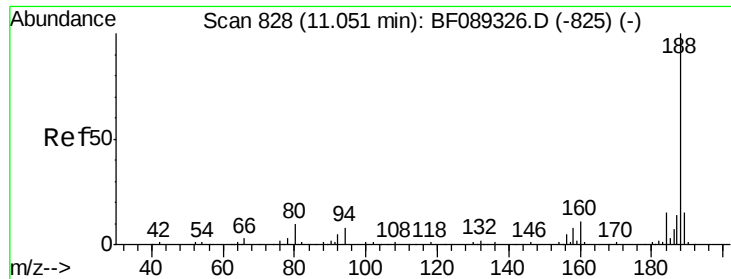
Abundance Ion 165.00 (164.70 to 165.70): E

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

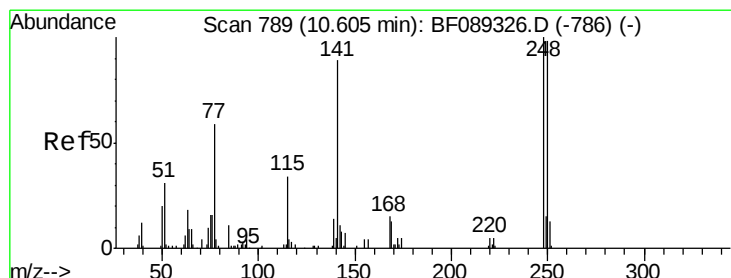
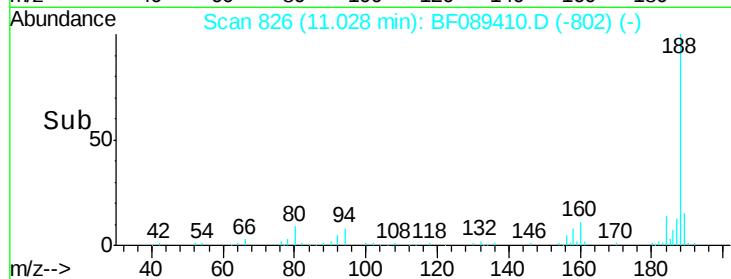
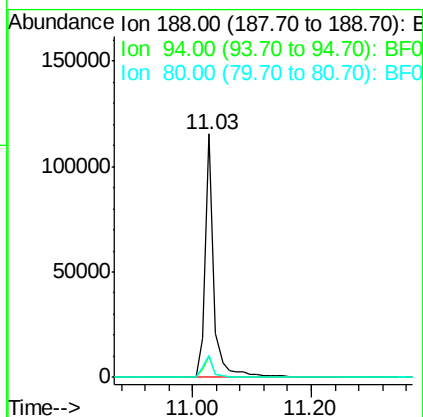
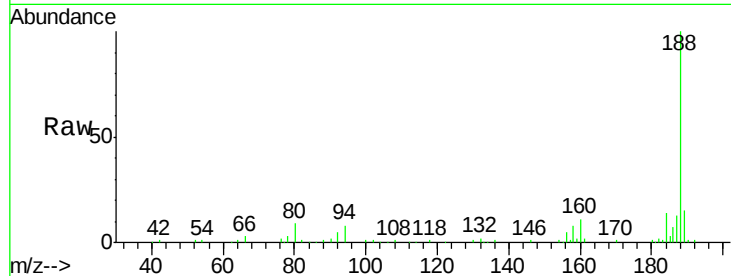




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

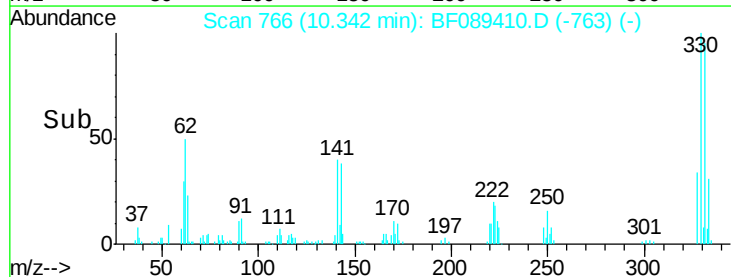
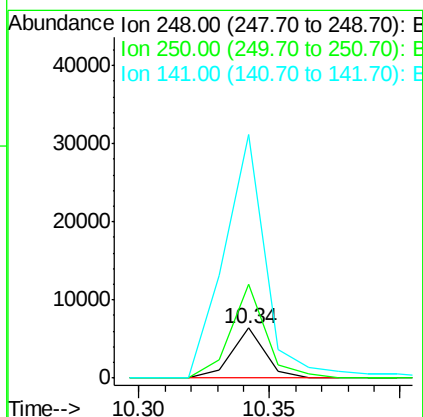
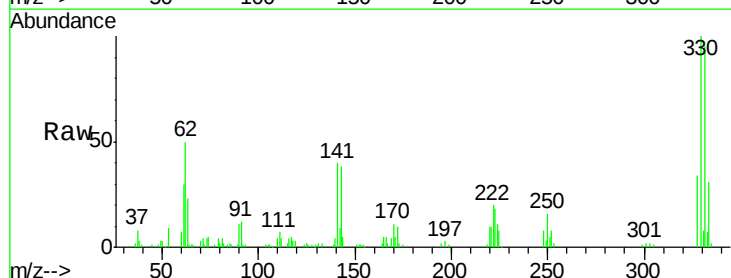
Instrument :
 BNA_F
 ClientSampleId :

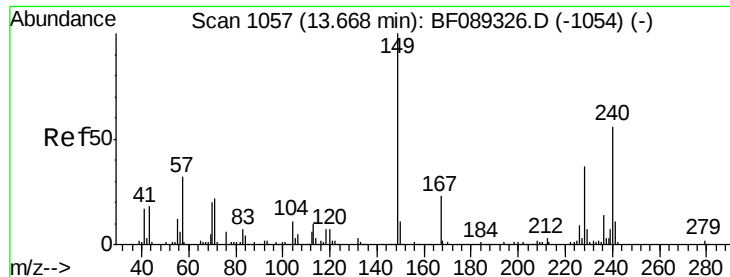
Tot Ion:188 Resp: 122179
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.5 9.7
 80 9.1 7.2 10.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.95 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.26 min
 Lab File: BF089410.D
 Acq: 29 Jul 2016 14:17

Tgt Ion:248 Resp: 5770
 Ion Ratio Lower Upper
 248 100
 250 187.8 78.2 117.2#
 141 487.4 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

Instrument :

BNA_F

ClientSampleId :

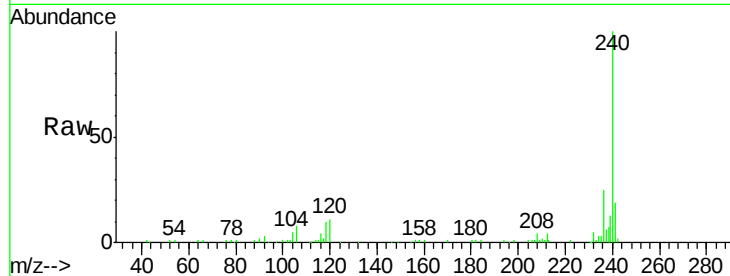
Tot Ion:240 Resp: 101782

Ion Ratio Lower Upper

240 100

120 11.3 9.1 13.7

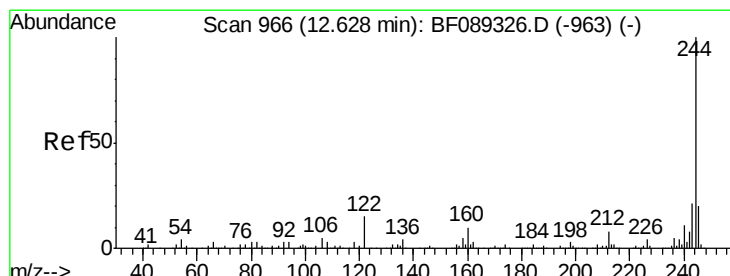
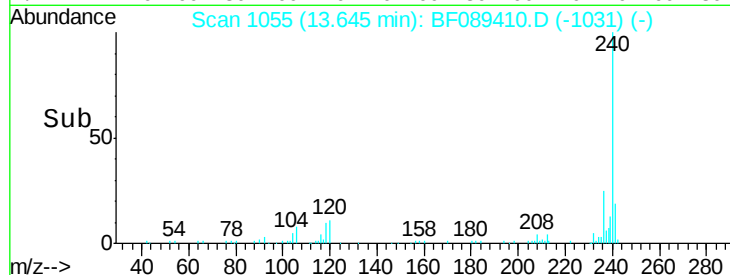
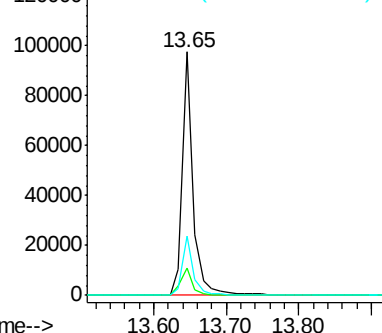
236 24.5 20.6 30.8



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: 79.19 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089410.D

Acq: 29 Jul 2016 14:17

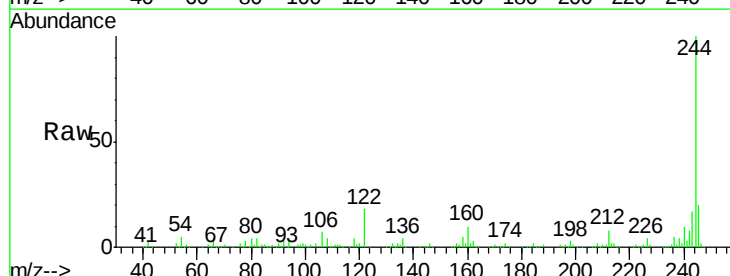
Tgt Ion:244 Resp: 344373

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

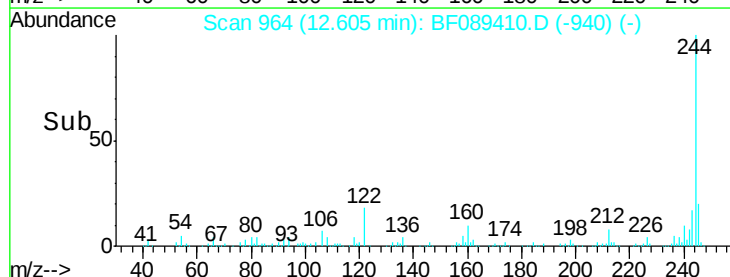
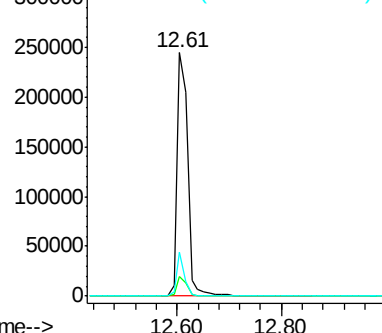
122 18.0 11.4 17.0#

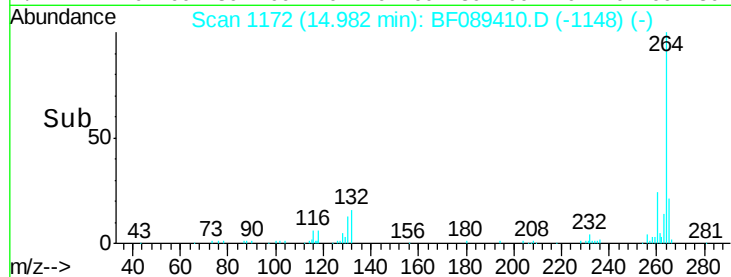
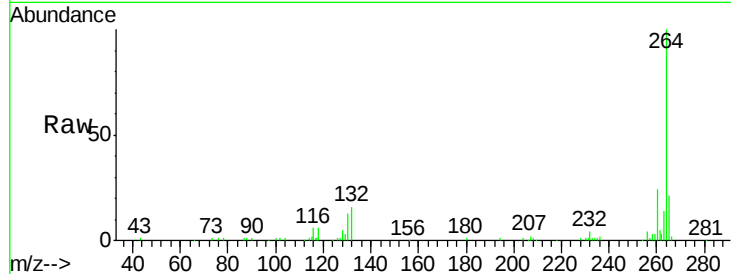
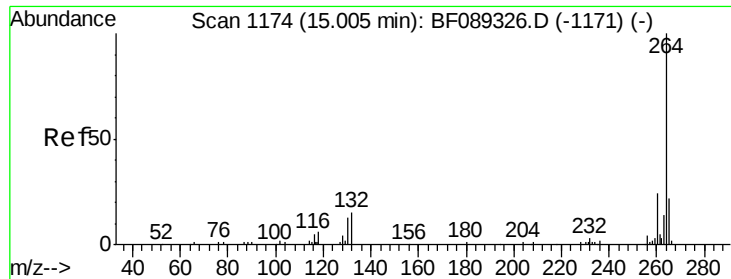


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF089410.D
Acq: 29 Jul 2016 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	20.8	17.5	26.3

