

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089533.D
 Acq On : 2 Aug 2016 2:26
 Operator : UM/SJ
 Sample : H4288-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

Quant Time: Aug 02 03:50:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 02:21:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	36910	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	124322	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	52301	20.00	ng	-0.01
63) Phenanthrene-d10	10.98	188	92194	20.00	ng	0.00
75) Chrysene-d12	13.60	240	93964	20.00	ng	-0.01
86) Perylene-d12	14.93	264	80559	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	291868	126.26	ng	0.01
7) Phenol-d6	6.15	99	396084	129.66	ng	0.00
23) Nitrobenzene-d5	7.05	82	218277	103.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	54863	126.66	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	326724	91.68	ng	-0.01
78) Terphenyl-d14	12.56	244	208264	51.87	ng	-0.01

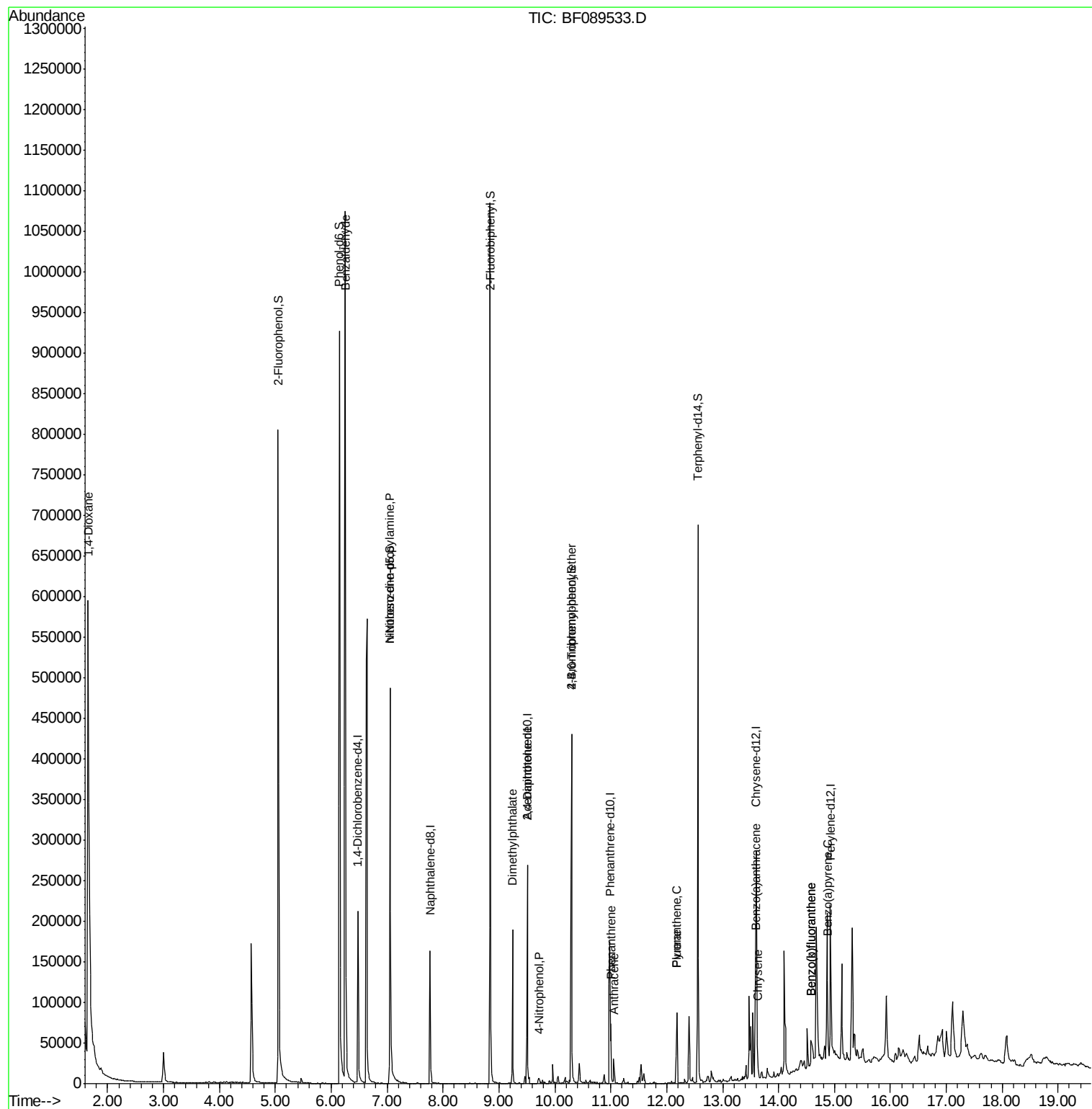
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	39965	37.98	ng	# 26
9) Benzaldehyde	6.25	77	7680	5.15	ng	81
19) n-Nitroso-di-n-propylamine	7.05	70	28302	15.36	ng	# 84
49) Dimethylphthalate	9.24	163	71882	18.06	ng	99
55) 4-Nitrophenol	9.71	139	1023	8.43	ng	# 4
56) 2,4-Dinitrotoluene	9.51	165	6766	6.28	ng	# 7
66) 4-Bromophenyl-phenylether	10.30	248	4125	4.69	ng	# 1
70) Phenanthrene	11.00	178	35068	7.38	ng	99
71) Anthracene	11.05	178	16695	3.16	ng	99
74) Fluoranthene	12.18	202	42283	8.45	ng	99
77) Pyrene	12.18	202	42283	5.94	ng	98
80) Benzo(a)anthracene	13.59	228	18925	3.57	ng	98
82) Chrysene	13.62	228	12990	2.30	ng	96
87) Benzo(b)fluoranthene	14.58	252	23511	4.70	ng	# 92
88) Benzo(k)fluoranthene	14.58	252	23511	5.11	ng	# 94
89) Benzo(a)pyrene	14.88	252	13021	2.90	ng	100

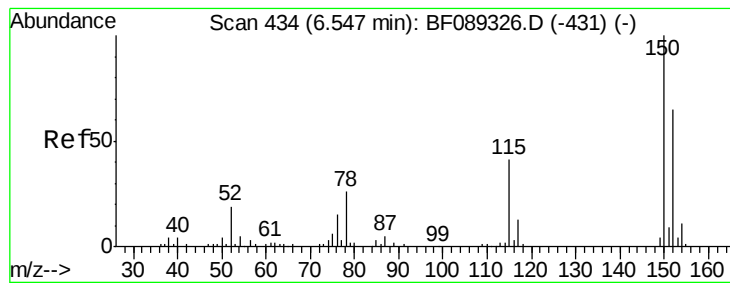
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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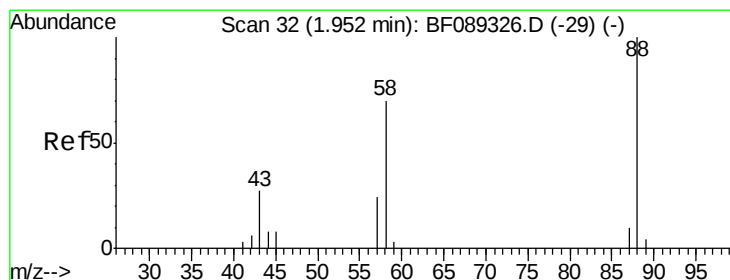
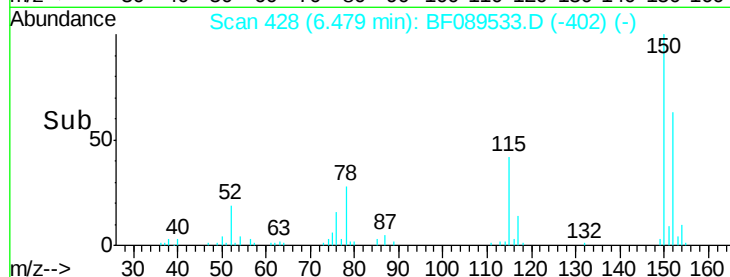
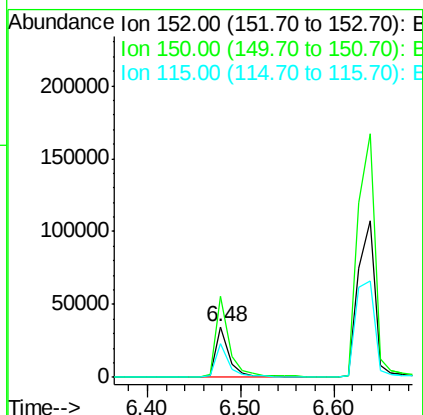
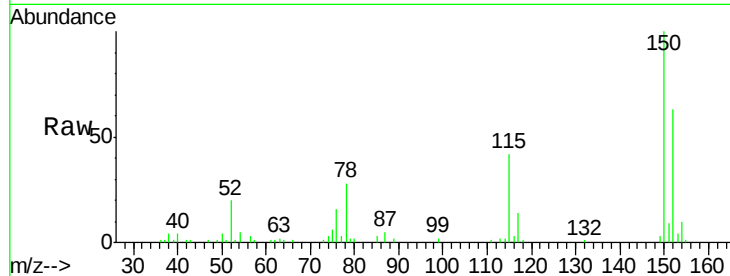




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

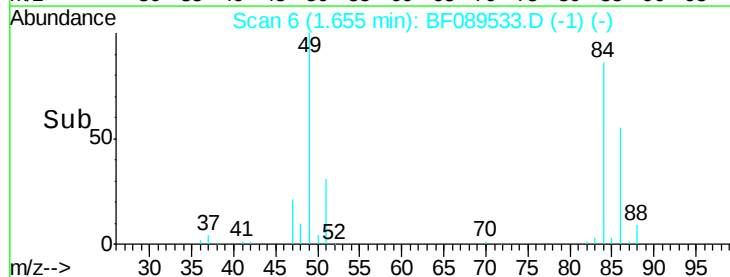
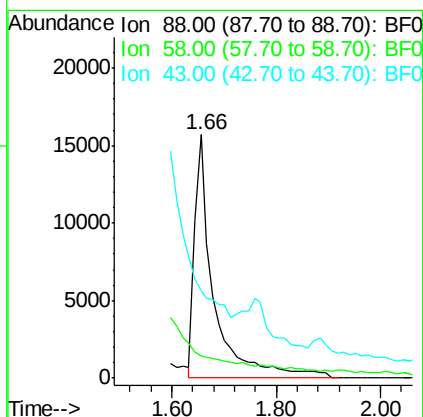
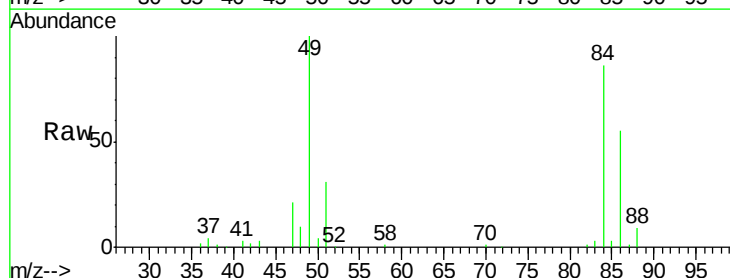
Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

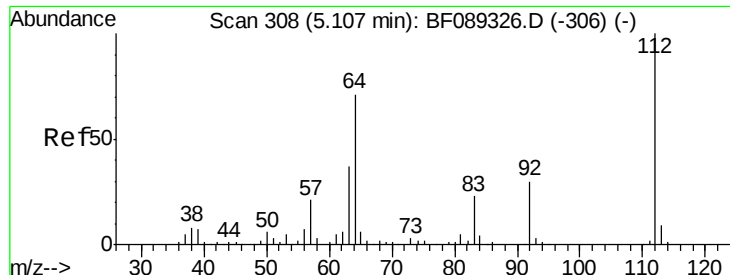
Tgt Ion: 152 Resp: 36910
 Ion Ratio Lower Upper
 152 100
 150 158.7 129.5 194.3
 115 66.9 51.4 77.2



#2
 1,4-Dioxane
 Concen: 37.98 ng
 RT: 1.66 min Scan# 6
 Delta R.T. -0.19 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion: 88 Resp: 39965
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 126.26 ng

RT: 5.05 min Scan# 303

Delta R.T. 0.01 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

ClientSampleId :

SB-64-5.0-6.0

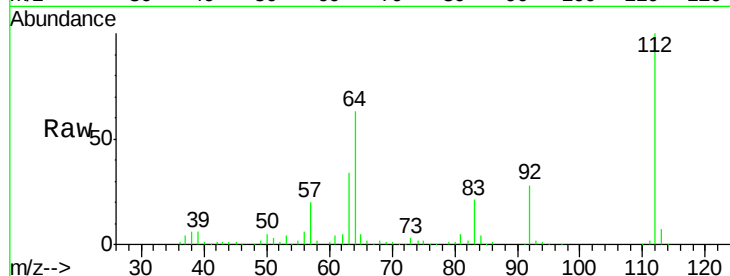
Tgt Ion: 112 Resp: 291868

Ion Ratio Lower Upper

112 100

64 62.7 55.0 82.6

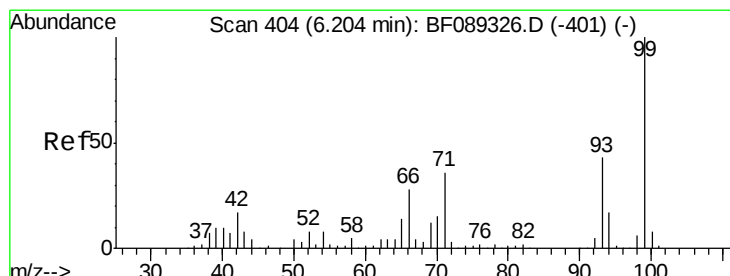
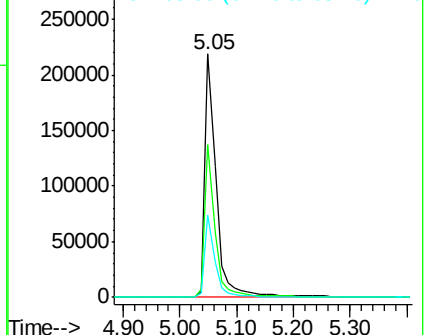
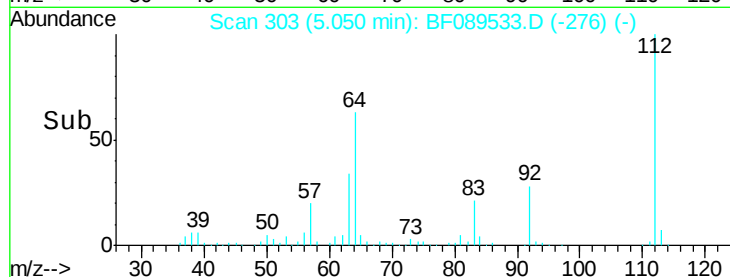
63 33.6 29.4 44.2



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: 129.66 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

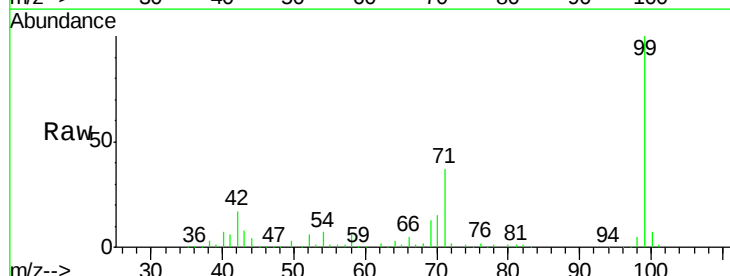
Tgt Ion: 99 Resp: 396084

Ion Ratio Lower Upper

99 100

42 17.1 13.6 20.4

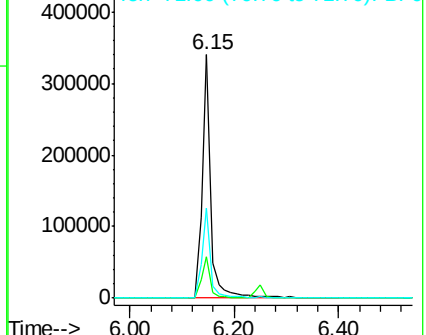
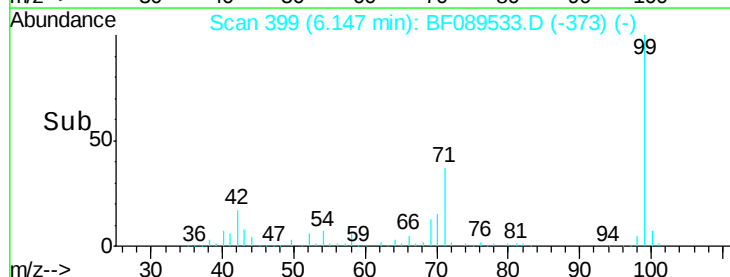
71 36.9 29.4 44.2

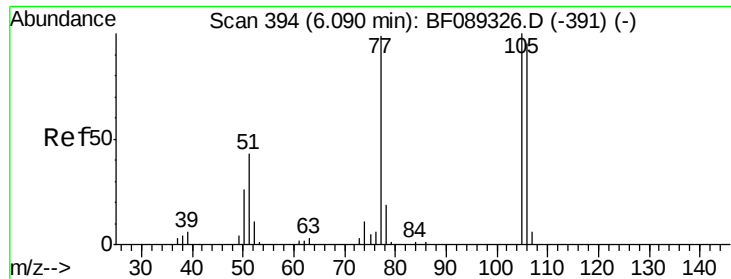


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 5.15 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.23 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

ClientSampleId :

SB-64-5.0-6.0

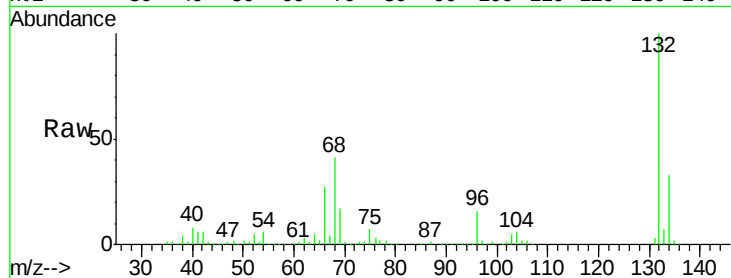
Tgt Ion: 77 Resp: 7680

Ion Ratio Lower Upper

77 100

105 84.6 82.9 122.9

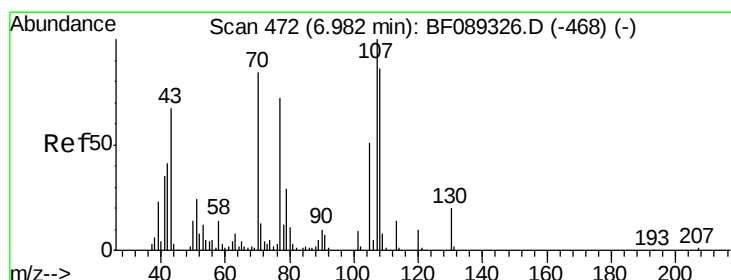
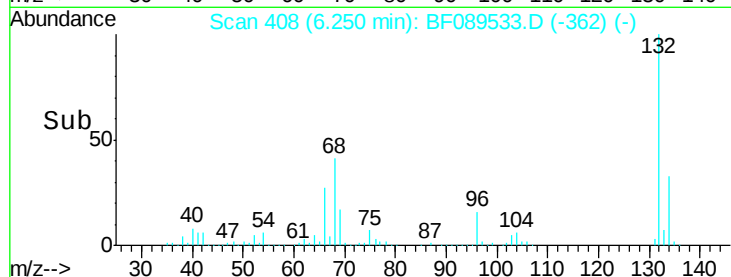
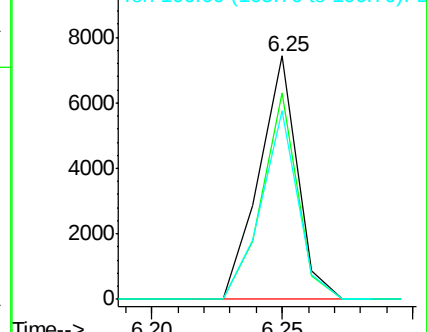
106 77.3 75.9 115.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.36 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.13 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Tgt Ion: 70 Resp: 28302

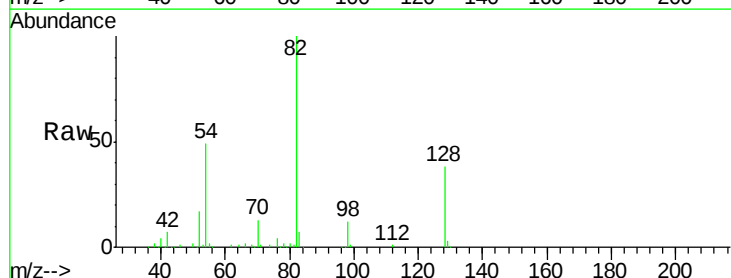
Ion Ratio Lower Upper

70 100

42 48.3 38.6 57.8

101 0.0 8.3 12.5#

130 2.1 19.0 28.4#

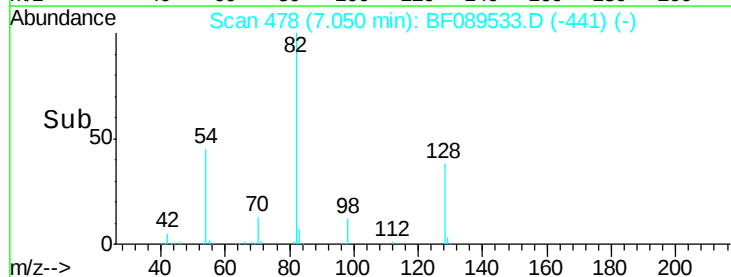
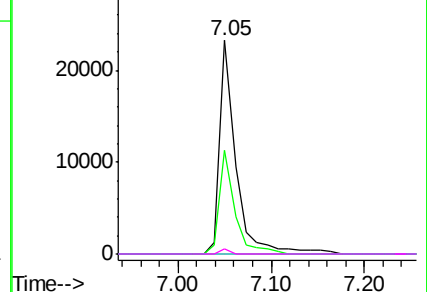


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.77 min Scan# 541

Delta R.T. -0.00 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

ClientSampleId :

SB-64-5.0-6.0

Tgt Ion: 136 Resp: 124322

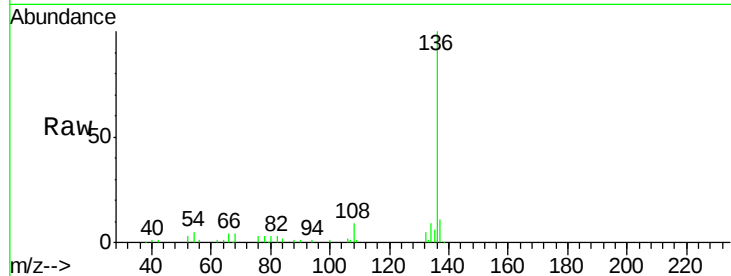
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.3 7.0 10.4#

68 4.3 4.9 7.3#

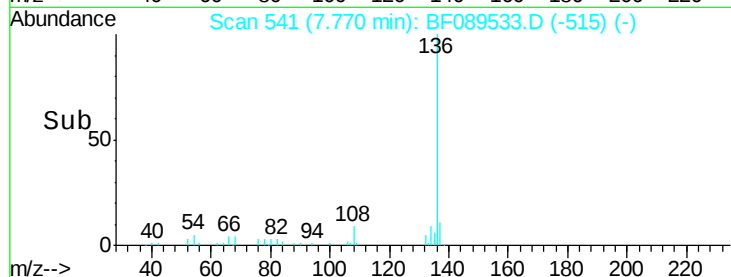


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

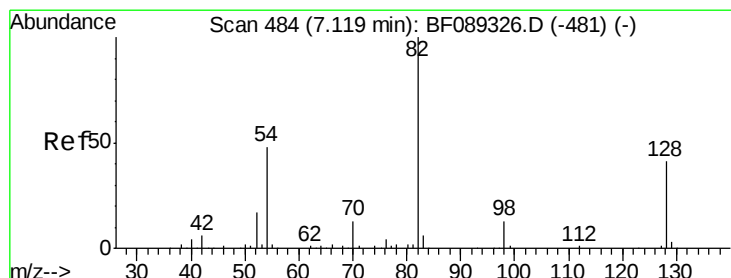
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.77



#23

Nitrobenzene-d5

Concen: 103.63 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

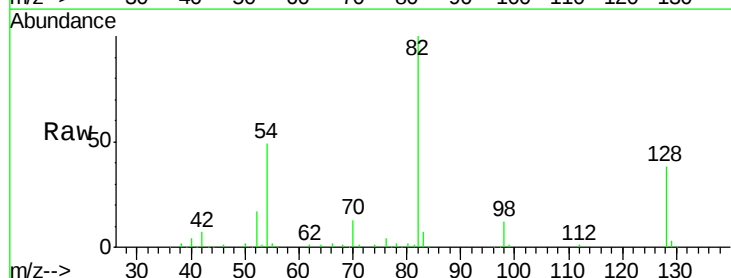
Tgt Ion: 82 Resp: 218277

Ion Ratio Lower Upper

82 100

128 38.4 32.5 48.7

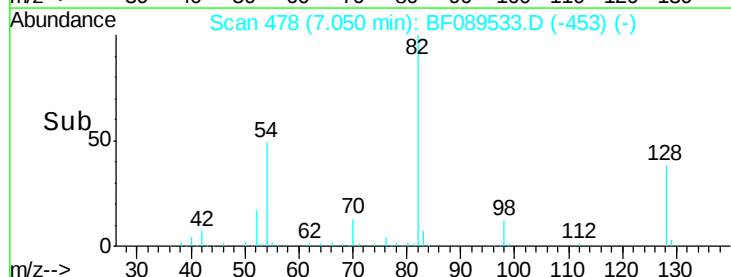
54 49.4 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

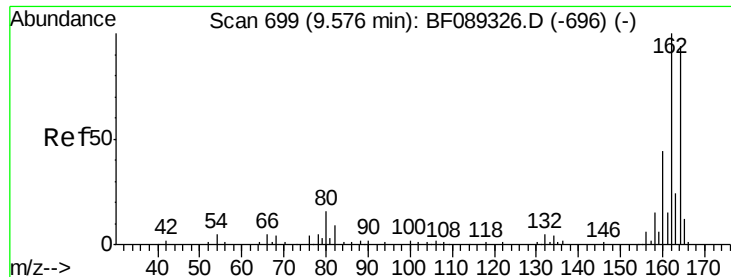
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

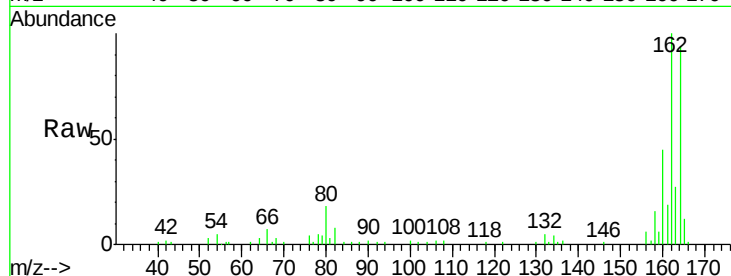
7.05



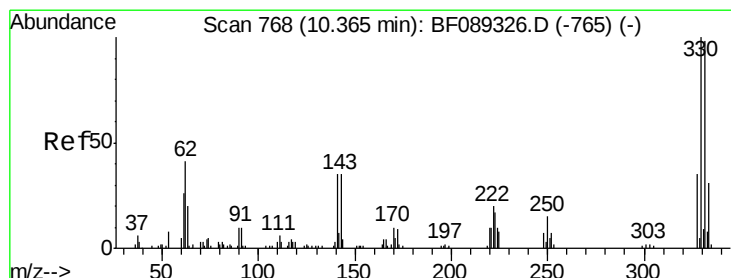
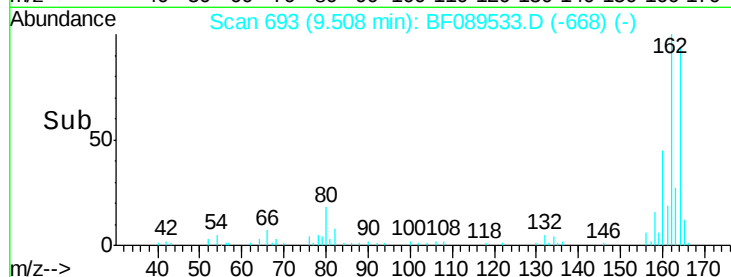
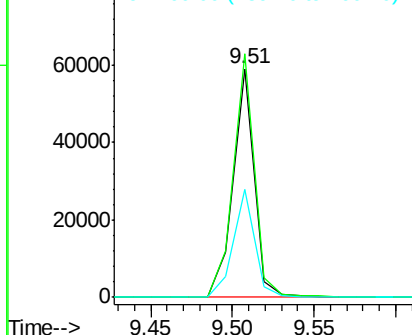
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tgt Ion:164 Resp: 52301
Ion Ratio Lower Upper
164 100
162 106.4 83.7 125.5
160 47.4 37.8 56.6

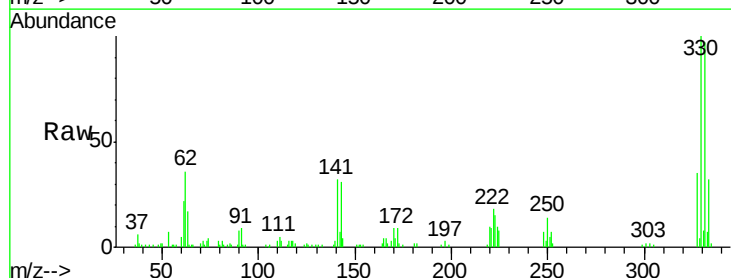


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

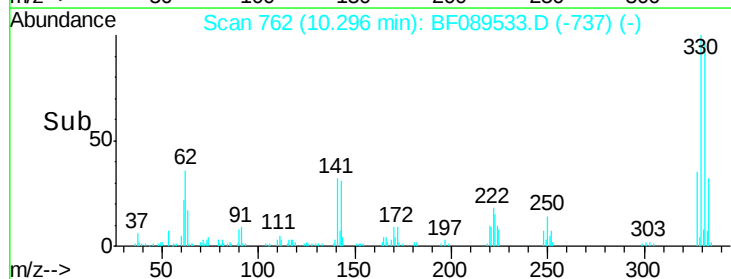
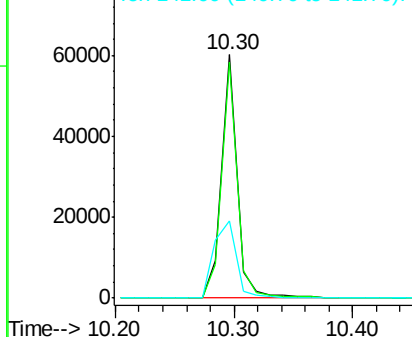


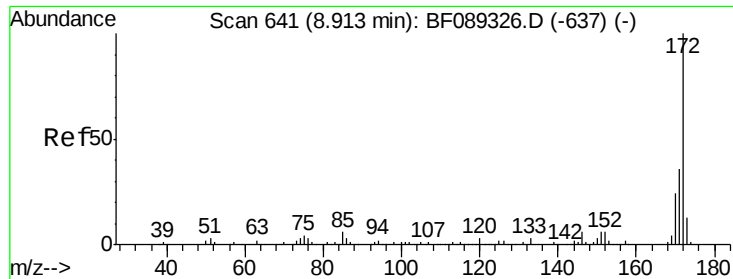
#41
2,4,6-Tribromophenol
Concen: 126.66 ng
RT: 10.30 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion:330 Resp: 54863
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 45.6 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

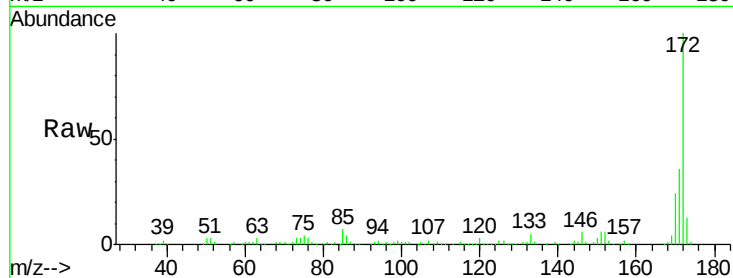




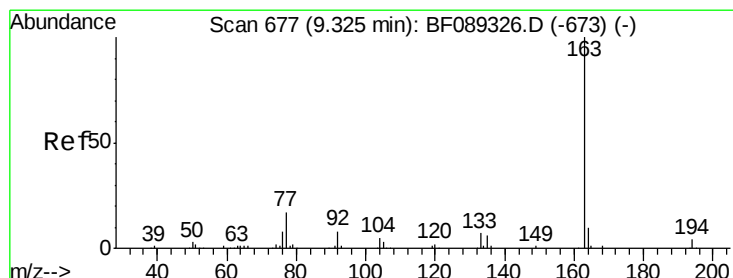
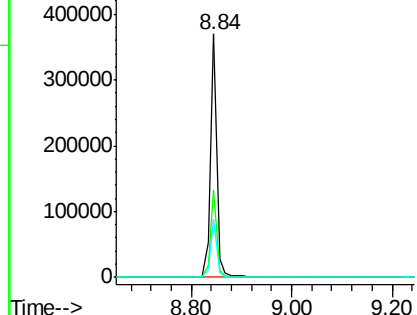
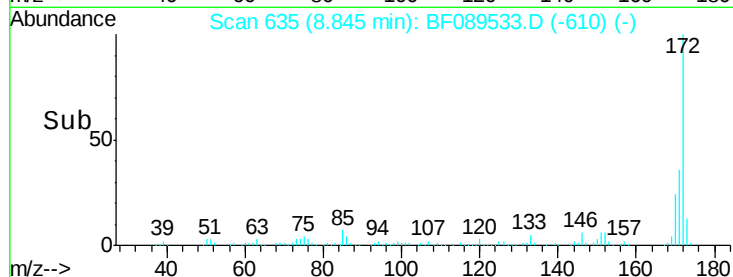
#44
 2-Fluorobiphenyl
 Concen: 91.68 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
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 SB-64-5.0-6.0

Tgt Ion:172 Resp: 326724
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.8 19.2 28.8

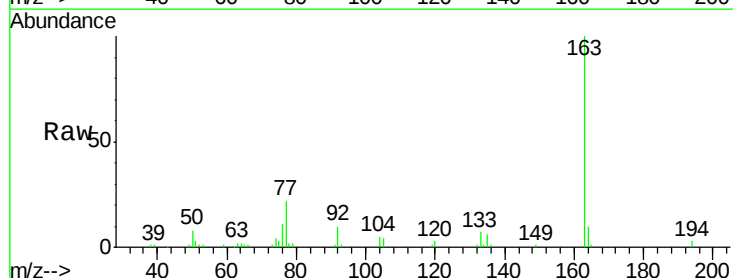


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

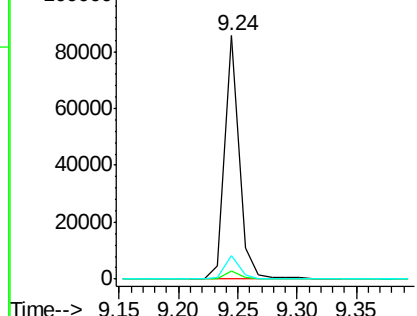
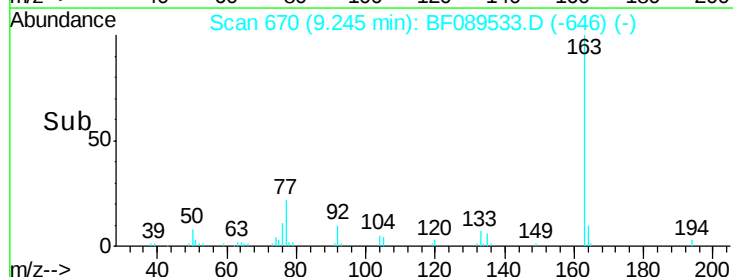


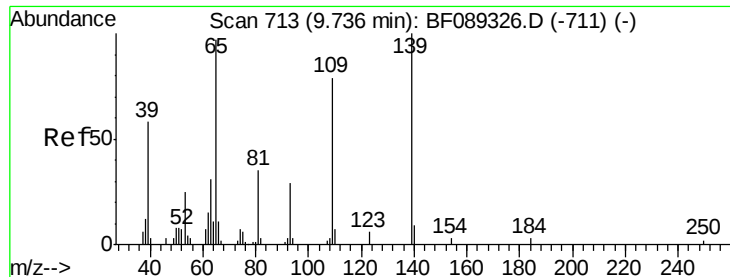
#49
 Dimethylphthalate
 Concen: 18.06 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion:163 Resp: 71882
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 9.6 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: 8.43 ng

RT: 9.71 min Scan# 711

Delta R.T. 0.03 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

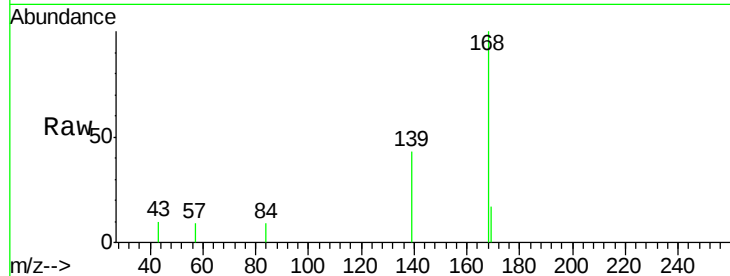
Instrument :

BNA_F

ClientSampleId :

SB-64-5.0-6.0

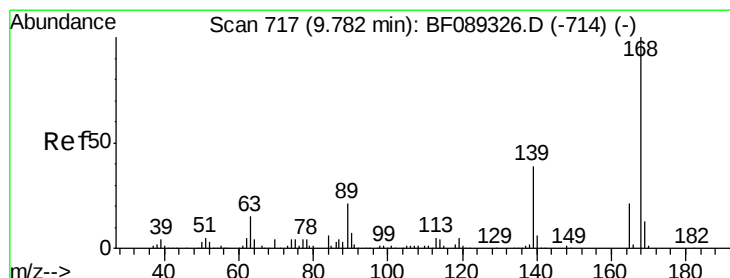
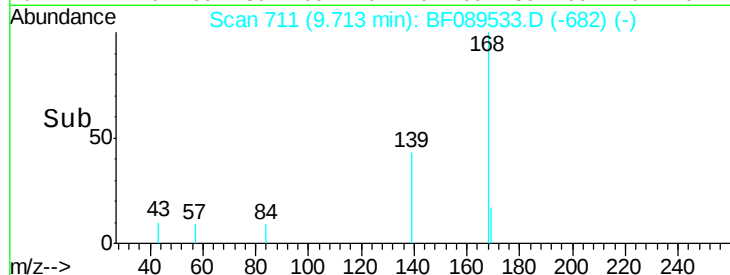
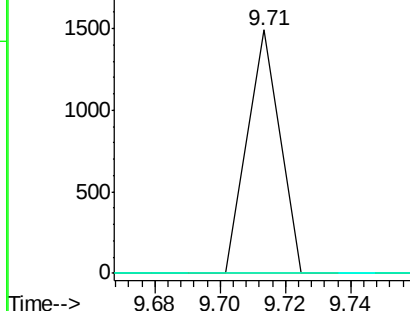
Tgt Ion:	139	Resp:	1023
Ion Ratio	Lower	Upper	
139	100		
109	0.0	57.8	97.8#
65	0.0	81.7	121.7#



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: 6.28 ng

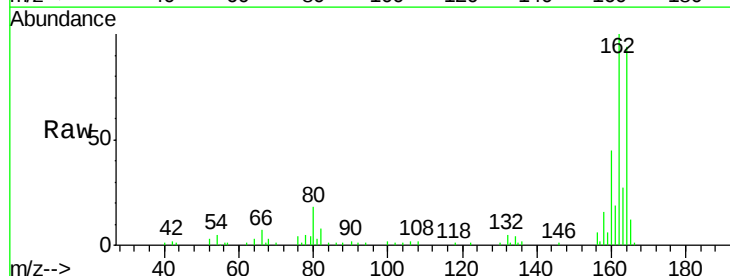
RT: 9.51 min Scan# 693

Delta R.T. -0.22 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Tgt Ion:	165	Resp:	6766
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#

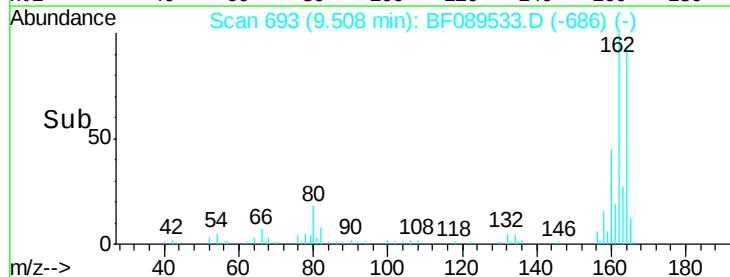
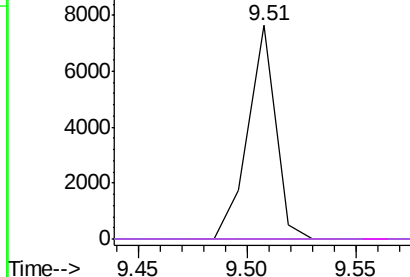


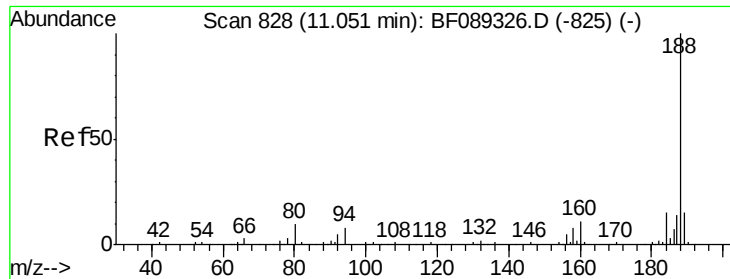
Abundance Ion 165.00 (164.70 to 165.70): E

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

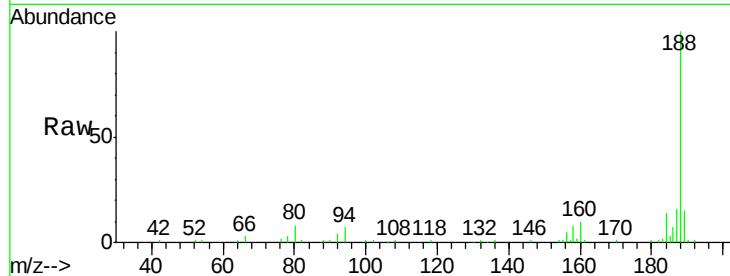




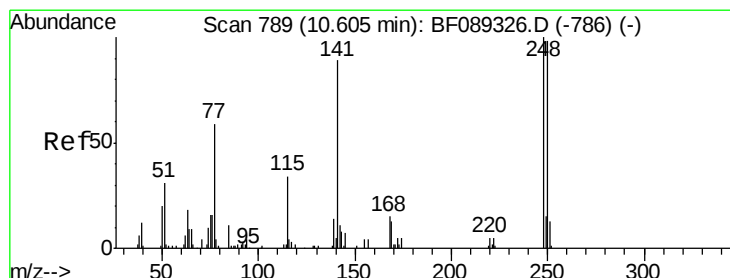
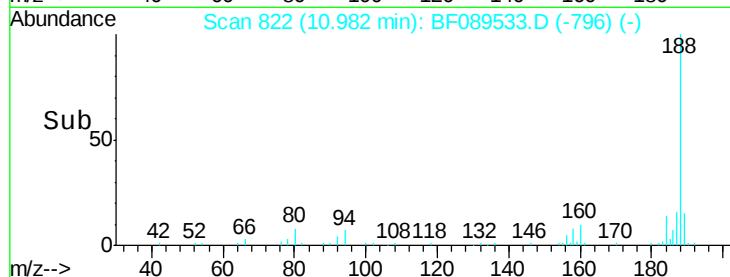
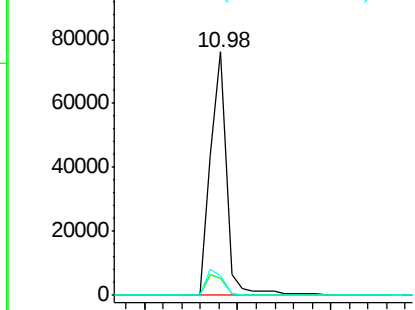
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

Tgt Ion:188 Resp: 92194
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.5 9.7
 80 7.9 7.2 10.8

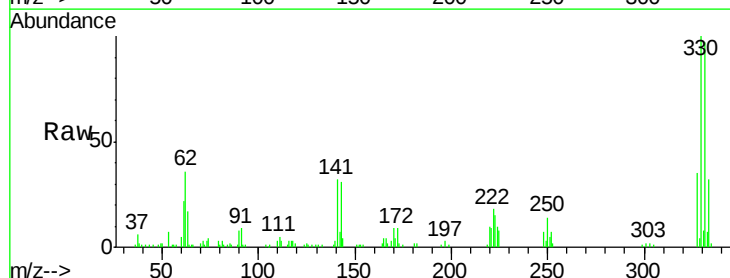


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

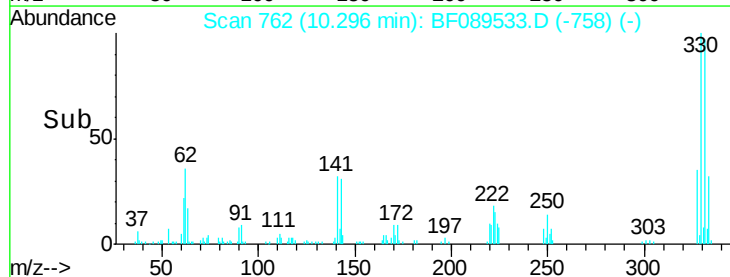
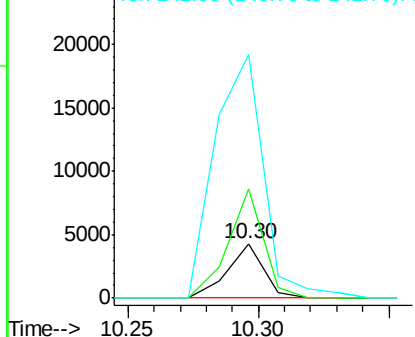


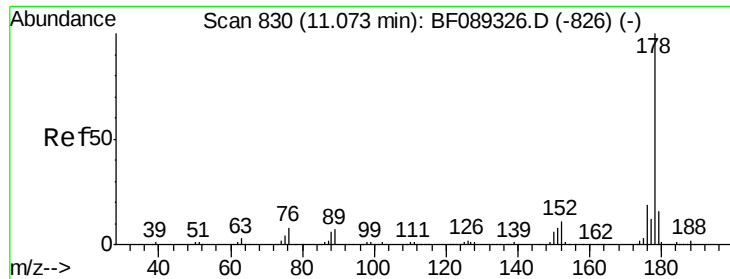
#66
 4-Bromophenyl-phenylether
 Concen: 4.69 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.25 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion:248 Resp: 4125
 Ion Ratio Lower Upper
 248 100
 250 201.2 78.2 117.2#
 141 447.7 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

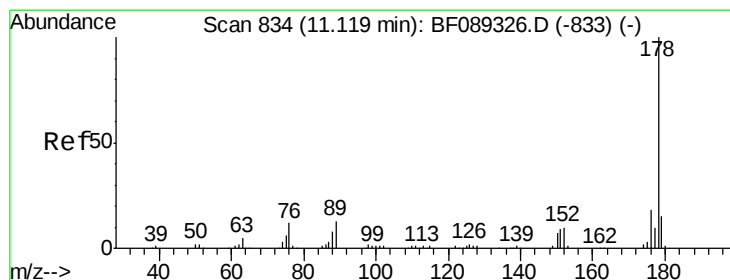
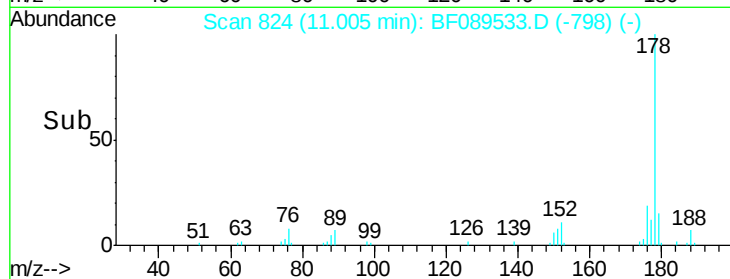
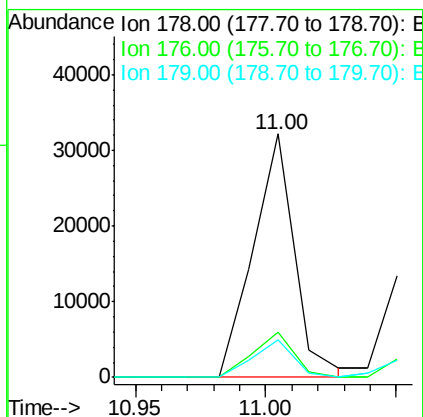
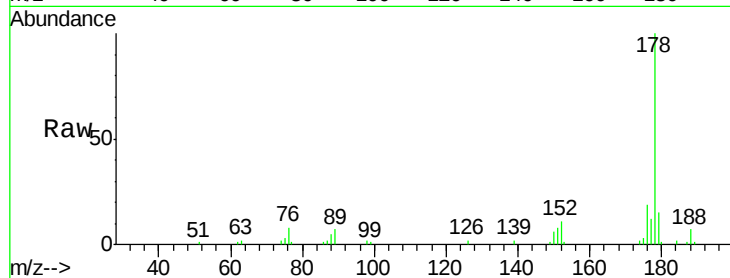




#70
Phenanthrene
Concen: 7.38 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

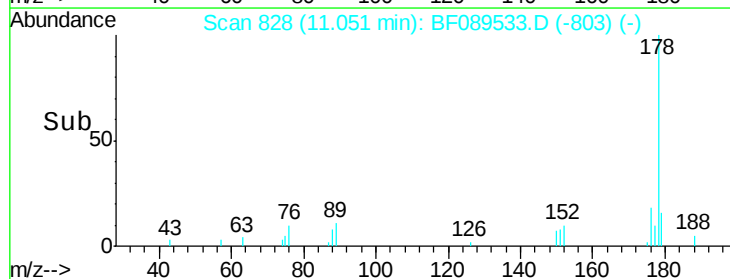
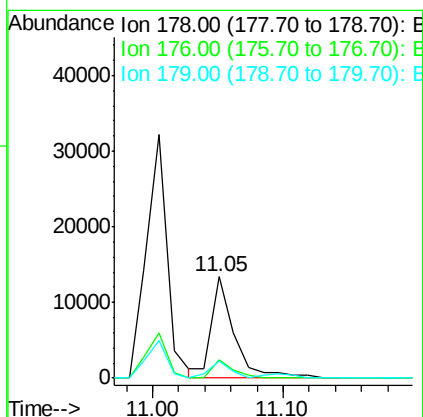
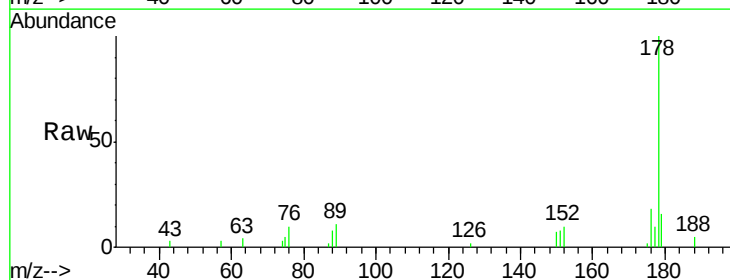
Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

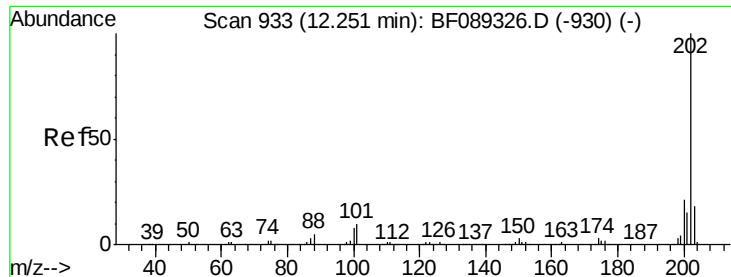
Tgt Ion:178 Resp: 35068
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.4 12.3 18.5



#71
Anthracene
Concen: 3.16 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion:178 Resp: 16695
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 16.3 12.6 18.8

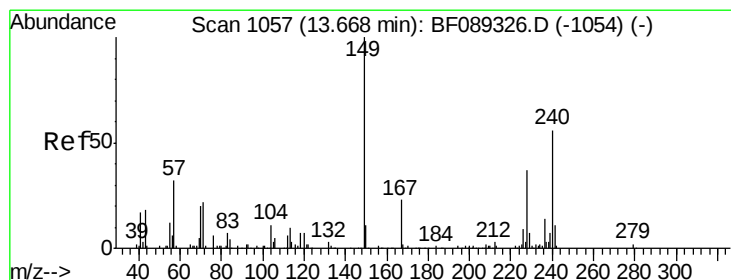
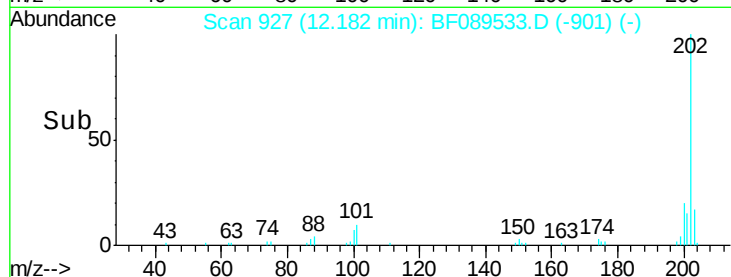
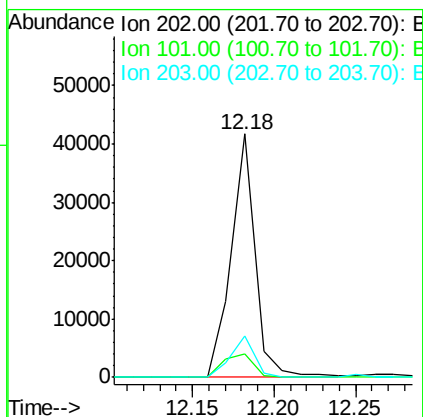
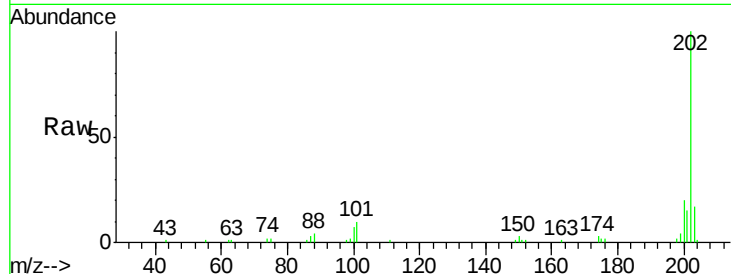




#74
 Fluoranthene
 Concen: 8.45 ng
 RT: 12.18 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

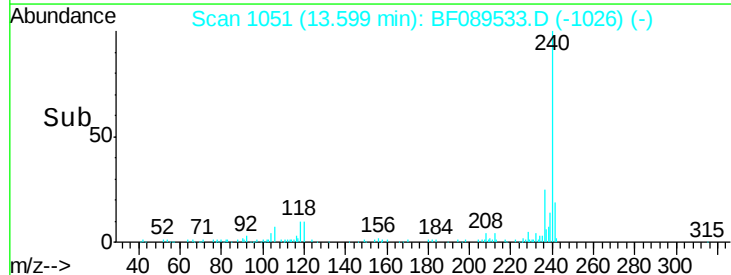
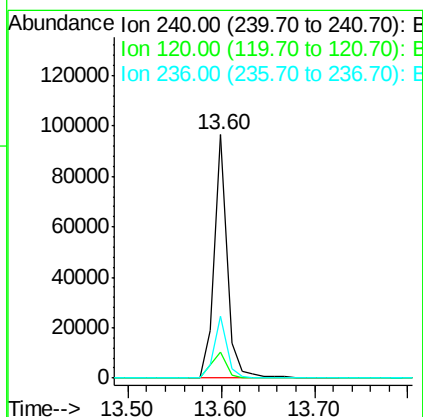
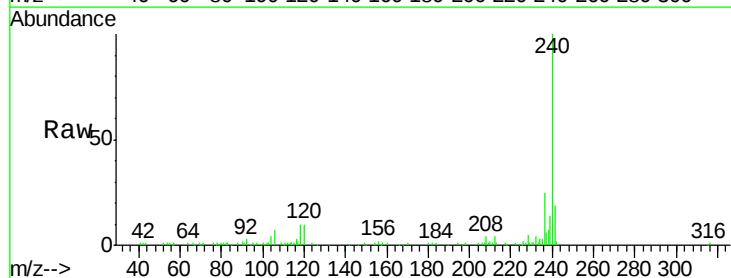
Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

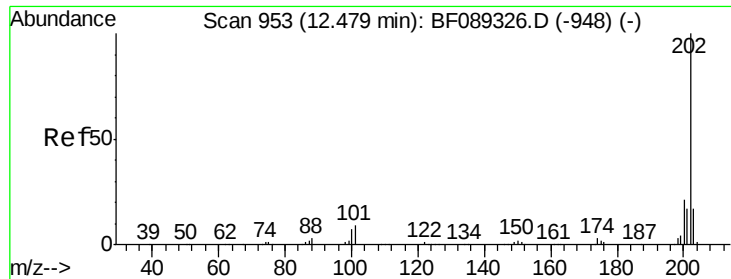
Tgt Ion: 202 Resp: 42283
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.9
 203 17.0 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion: 240 Resp: 93964
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.1 13.7
 236 25.3 20.6 30.8

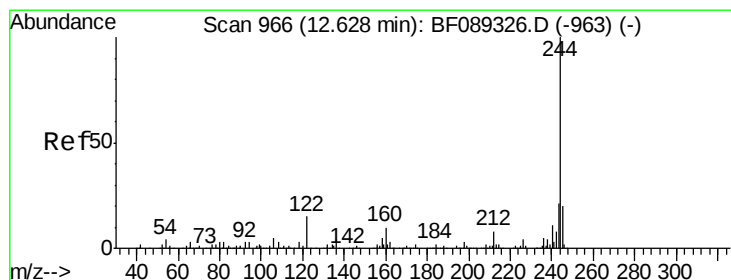
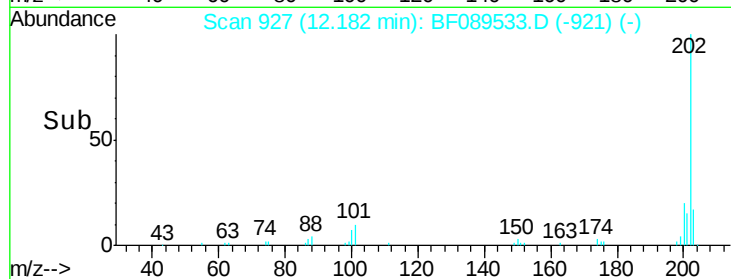
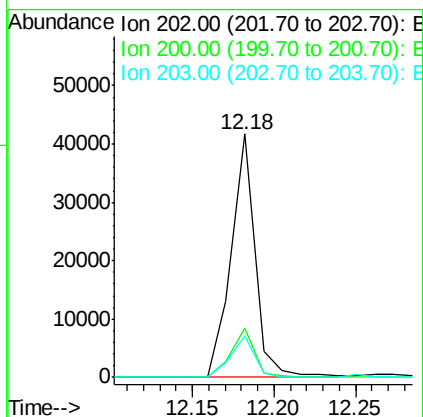
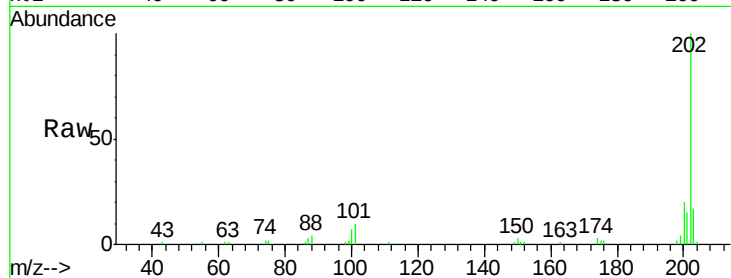




#77
 Pyrene
 Concen: 5.94 ng
 RT: 12.18 min Scan# 927
 Delta R.T. -0.23 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

Tgt Ion: 202 Resp: 42283
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.9 25.3
 203 17.0 14.0 21.0



#78
 Terphenyl-d14
 Concen: 51.87 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion: 244 Resp: 208264
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 14.7 11.4 17.0

