

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089884.D
 Acq On : 24 Aug 2016 19:34
 Operator : UM/SJ
 Sample : H4577-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB01-081816

Quant Time: Aug 25 12:21:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

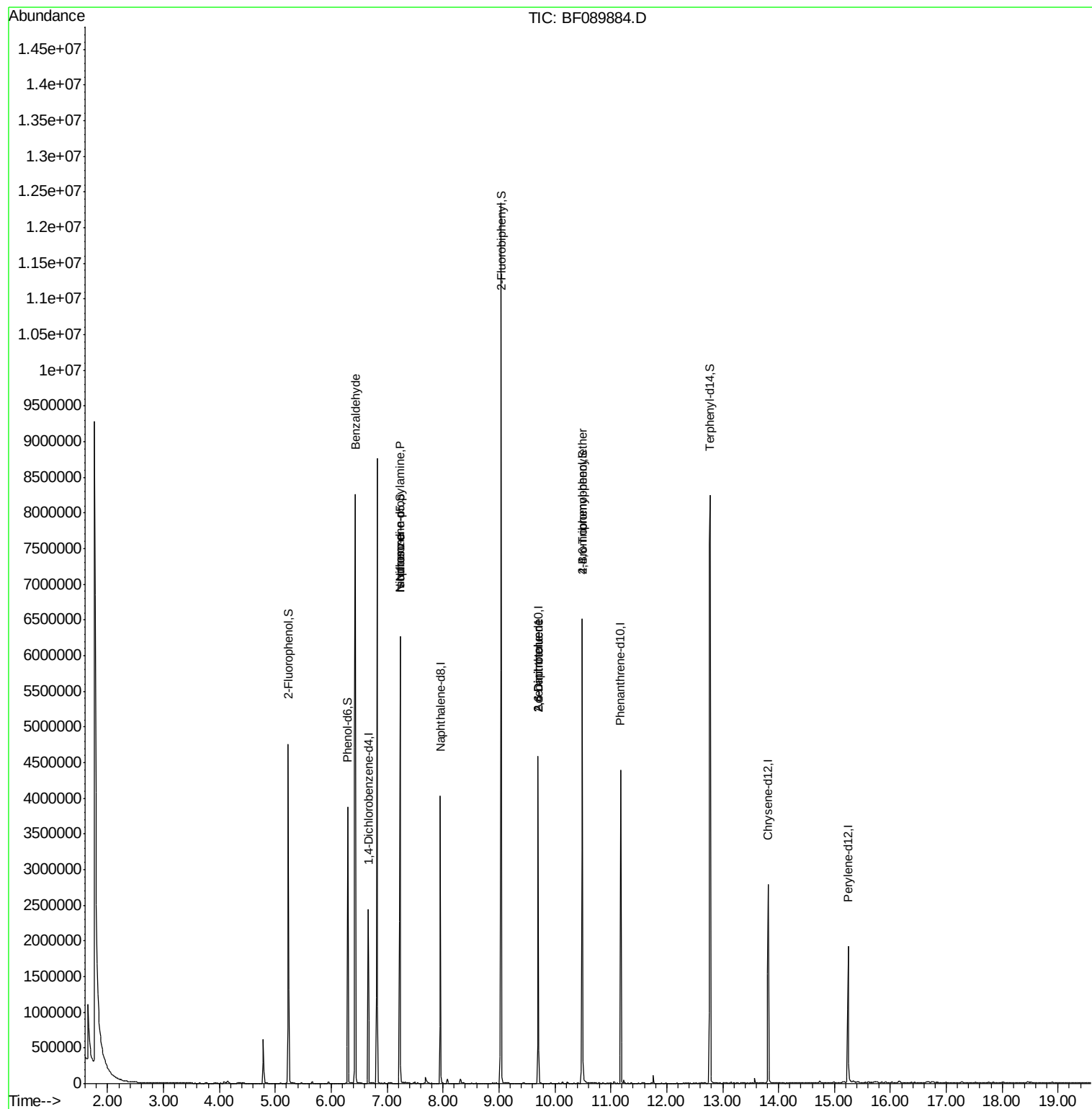
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	397033	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1748802	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	829949	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1461424	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1136128	20.00	ng	-0.06
86) Perylene-d12	15.25	264	866193	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1465374	63.29	ng	-0.02
7) Phenol-d6	6.30	99	1228574	43.23	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2181962	77.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	905013	114.74	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	4220223	89.37	ng	-0.01
78) Terphenyl-d14	12.78	244	3744929	74.57	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	59128	3.19	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.23	70	290441	15.98	ng	# 73
25) Isophorone	7.23	82	1590863	28.02	ng	# 67
50) 2,6-Dinitrotoluene	9.70	165	109145	8.09	ng	# 26
56) 2,4-Dinitrotoluene	9.70	165	109126	6.23	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	58034	3.79	ng	# 1

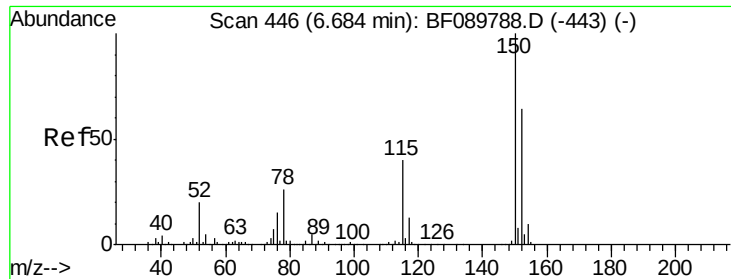
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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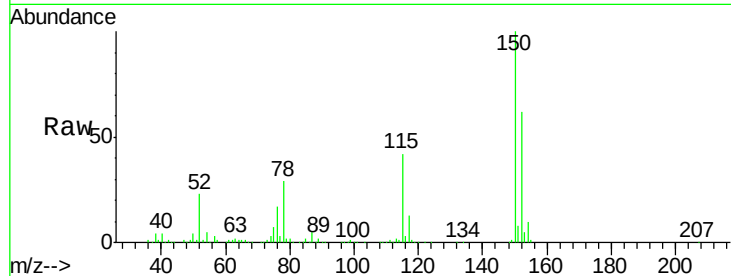


#1

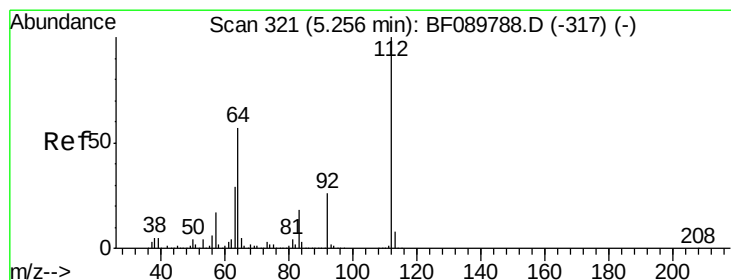
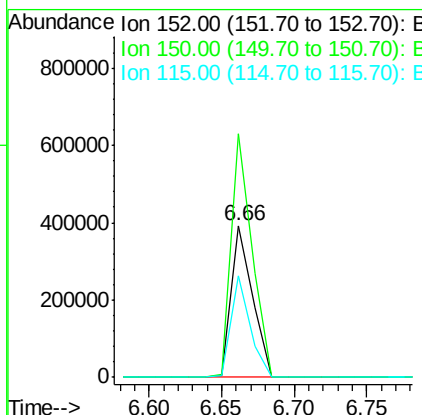
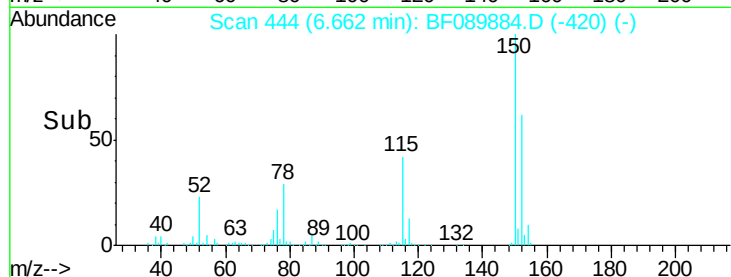
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF089884.D
Acq: 24 Aug 2016 19:34

Instrument :
BNA_F
ClientSampleId :
EB01-081816

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.3	187.9
115	66.5	40.9	61.3



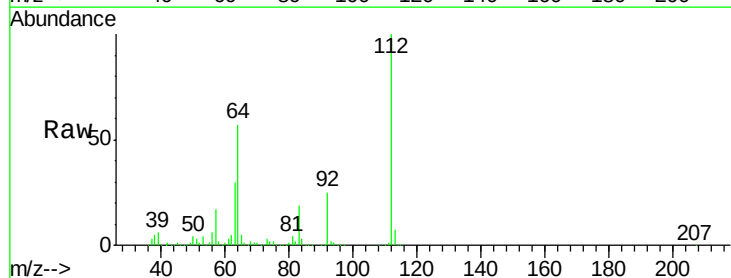
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



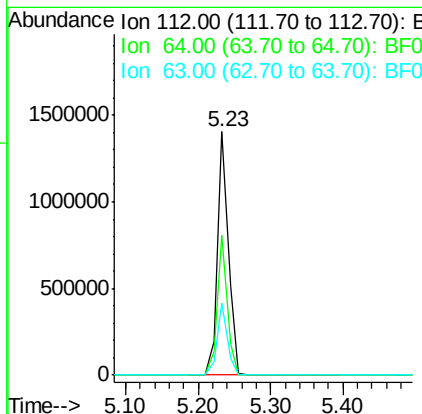
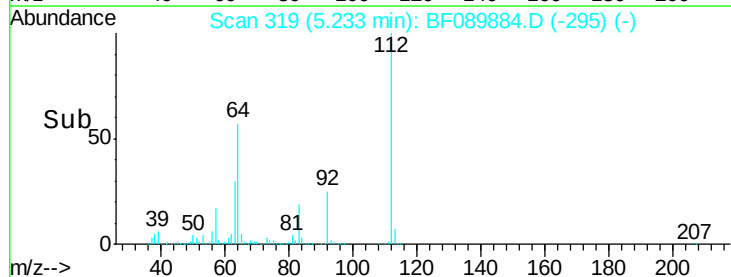
#5

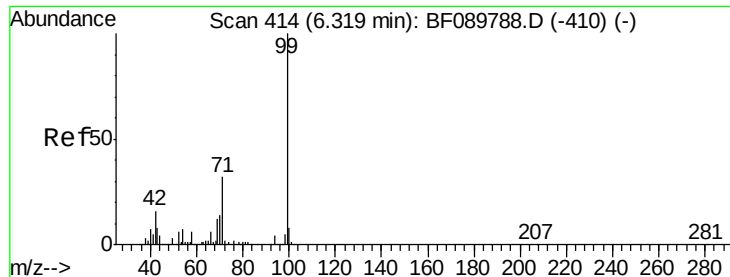
2-Fluorophenol
Concen: 63.29 ng
RT: 5.23 min Scan# 319
Delta R.T. -0.02 min
Lab File: BF089884.D
Acq: 24 Aug 2016 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	45.0	67.4
63	29.9	23.1	34.7



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: 43.23 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EB01-081816

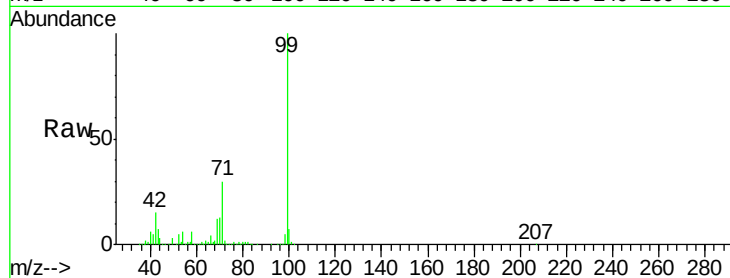
Tgt Ion: 99 Resp: 1228574

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.4

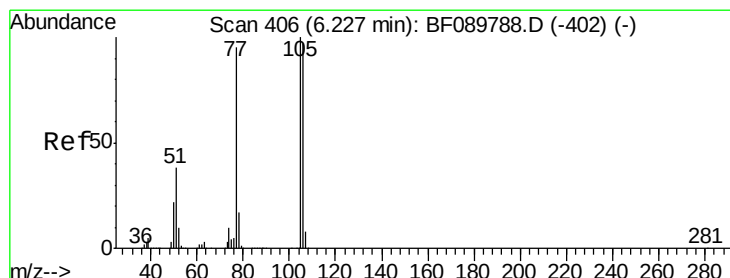
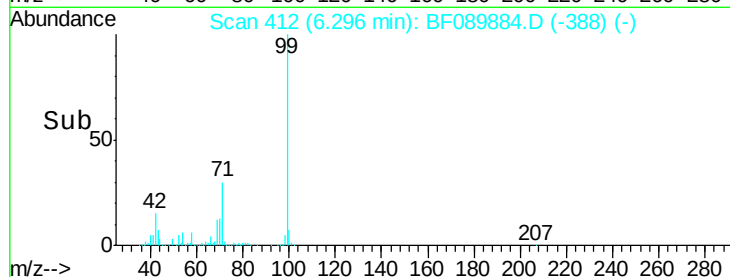
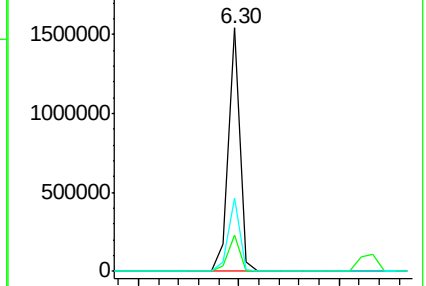
71 30.0 23.8 35.8



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: 3.19 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

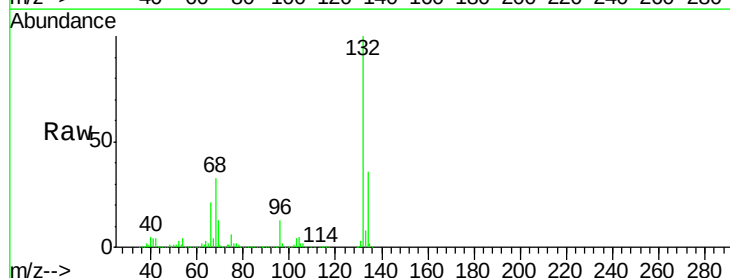
Tgt Ion: 77 Resp: 59128

Ion Ratio Lower Upper

77 100

105 89.8 73.3 113.3

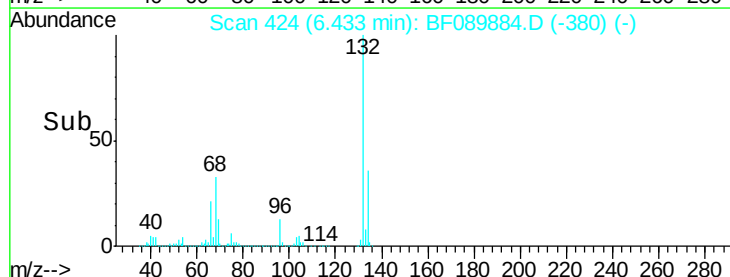
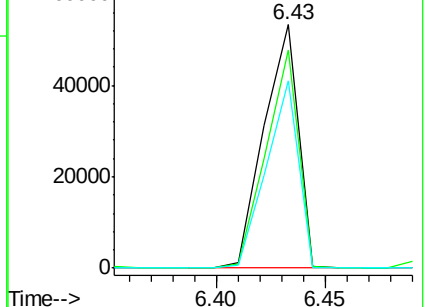
106 76.8 68.6 108.6

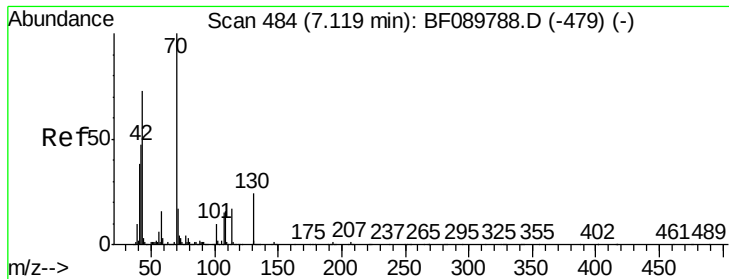


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

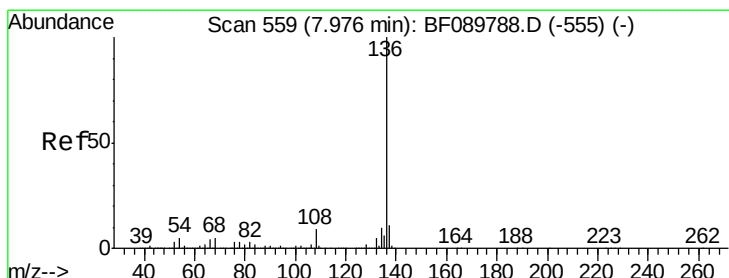
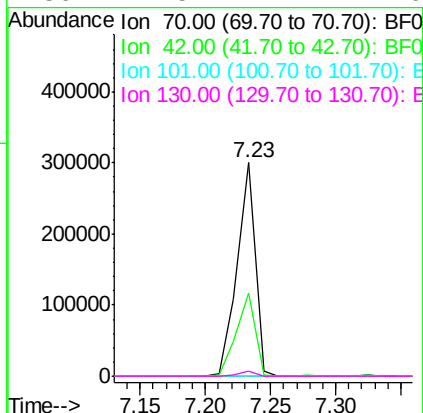
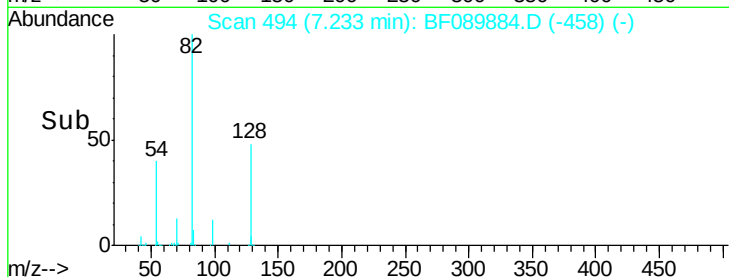
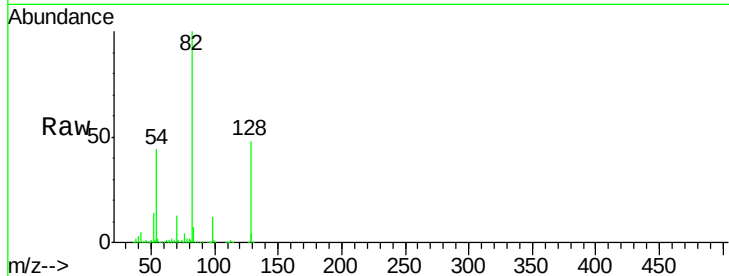




#19
n-Nitroso-di-n-propylamine
Concen: 15.98 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.11 min
Lab File: BF089884.D
Acq: 24 Aug 2016 19:34

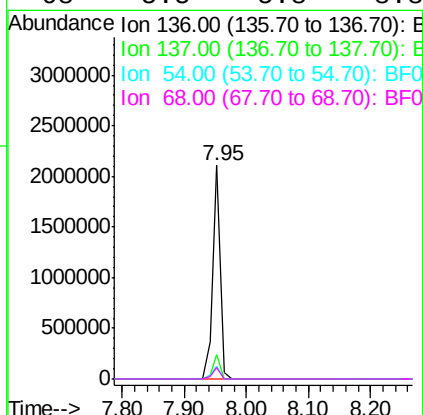
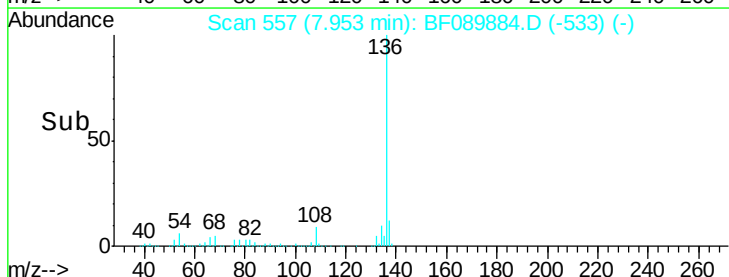
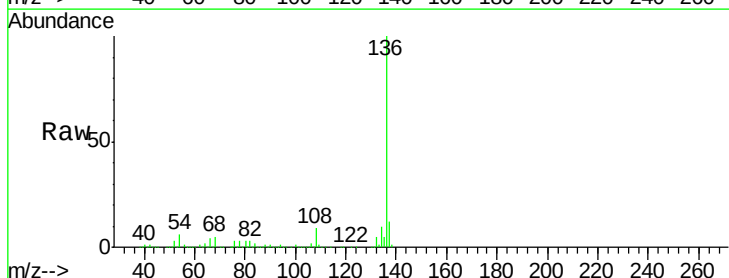
Instrument :
BNA_F
ClientSampleId :
EB01-081816

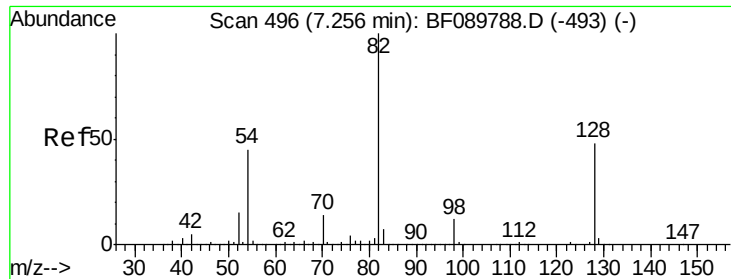
Tgt Ion: 70 Resp: 290441
Ion Ratio Lower Upper
70 100
42 39.0 46.3 69.5#
101 0.0 7.0 10.6#
130 2.5 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089884.D
Acq: 24 Aug 2016 19:34

Tgt Ion: 136 Resp: 1748802
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 5.9 7.2 10.8#
68 5.5 5.8 8.8#



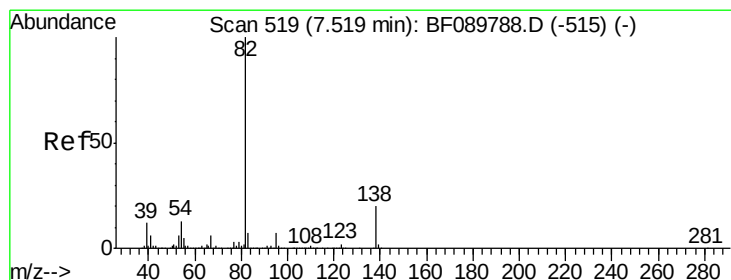
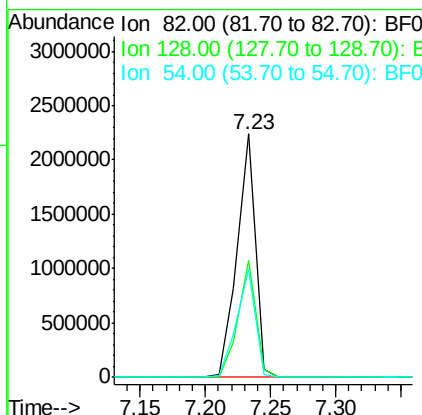
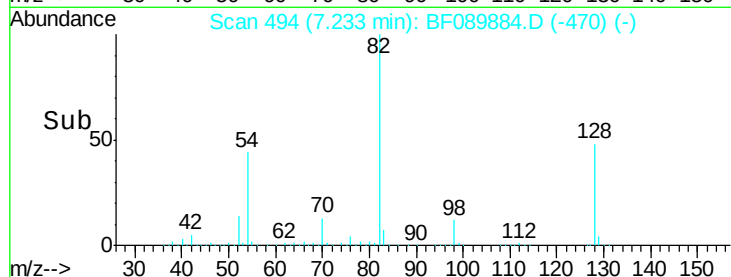
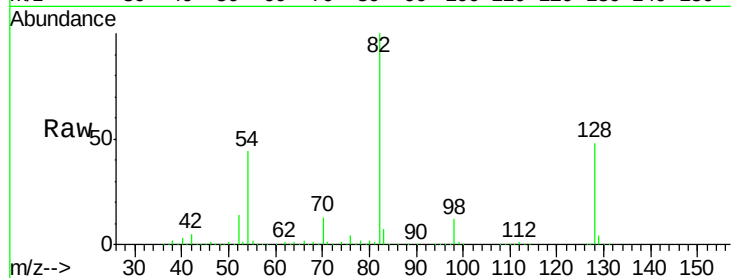


#23
 Nitrobenzene-d5
 Concen: 77.51 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 EB01-081816

Tgt Ion: 82 Resp: 2181962

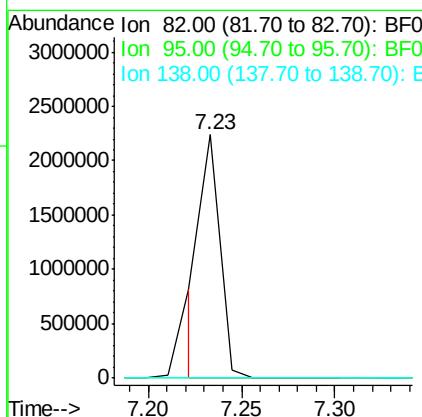
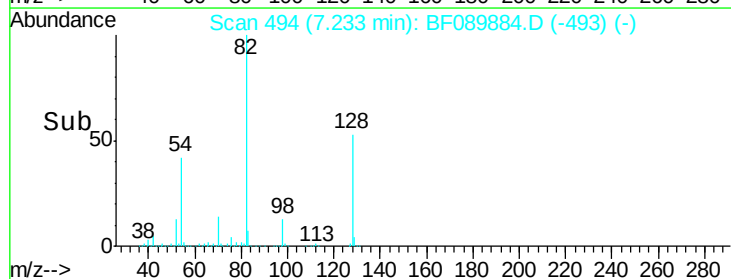
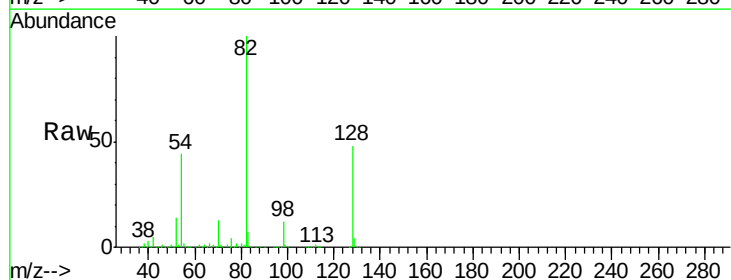
Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.4	51.6
54	44.1	40.3	60.5

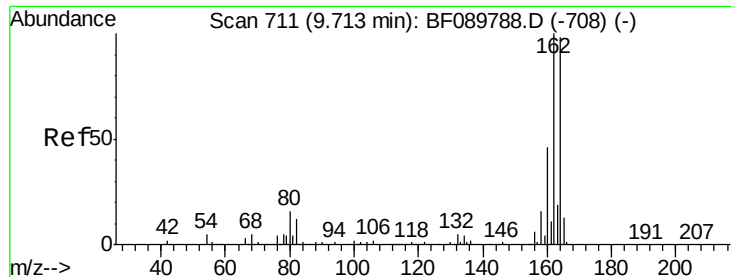


#25
 Isophorone
 Concen: 28.02 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.29 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Tgt Ion: 82 Resp: 1590863

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.0	19.4#

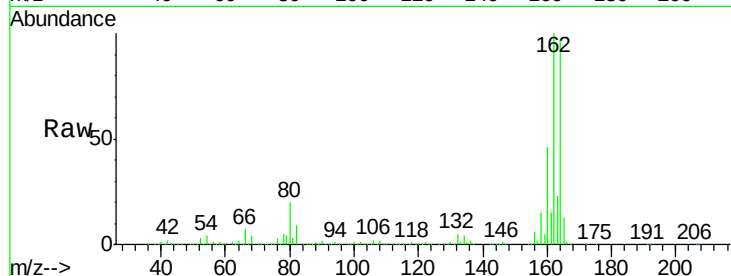




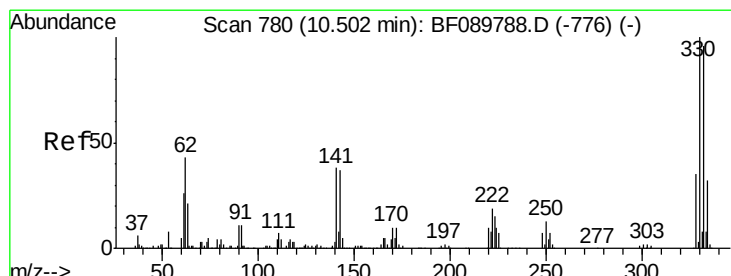
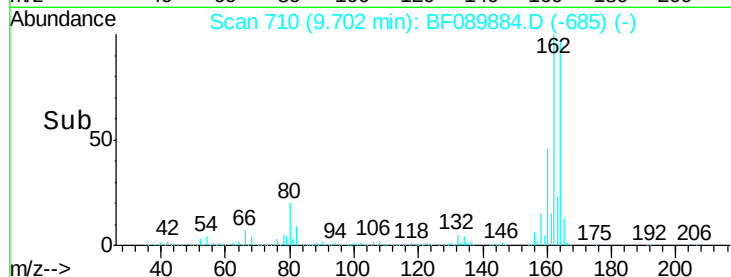
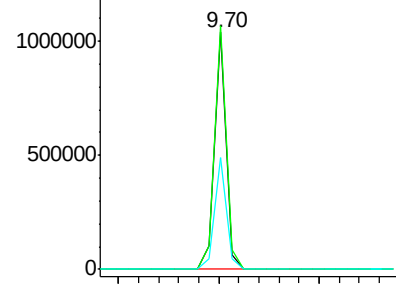
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 EB01-081816

Tgt Ion:164 Resp: 829949
 Ion Ratio Lower Upper
 164 100
 162 102.8 81.4 122.2
 160 47.3 37.8 56.6

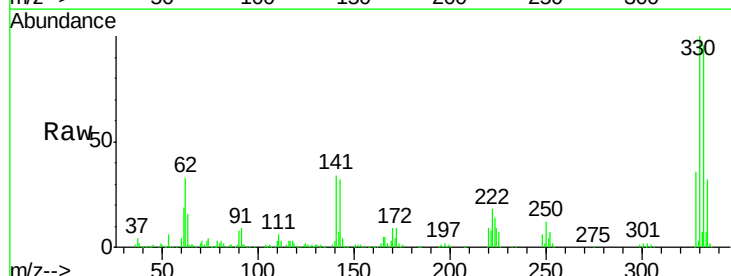


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

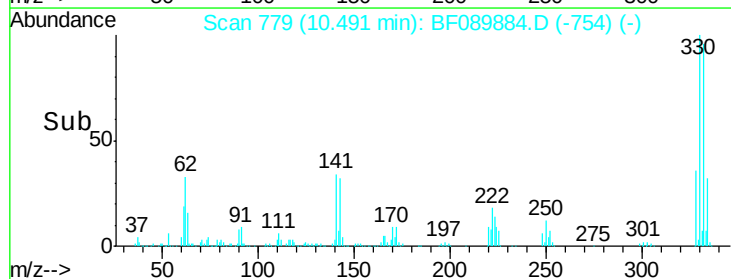
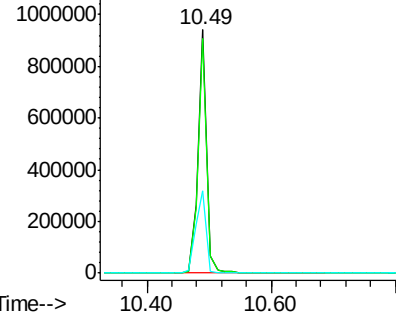


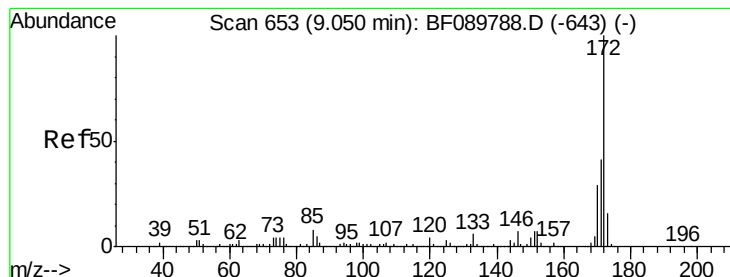
#41
 2,4,6-Tribromophenol
 Concen: 114.74 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Tgt Ion:330 Resp: 905013
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.7 115.1
 141 40.6 30.2 45.2



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: 89.37 ng

RT: 9.04 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EB01-081816

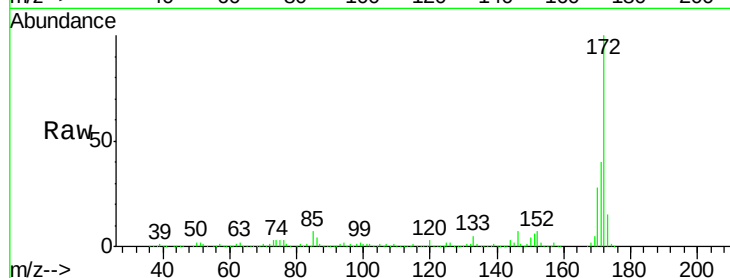
Tgt Ion:172 Resp: 4220223

Ion Ratio Lower Upper

172 100

171 39.7 30.5 45.7

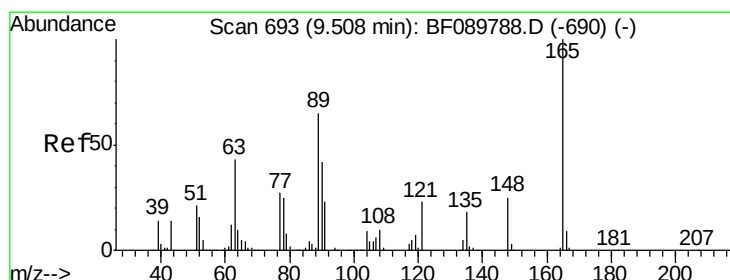
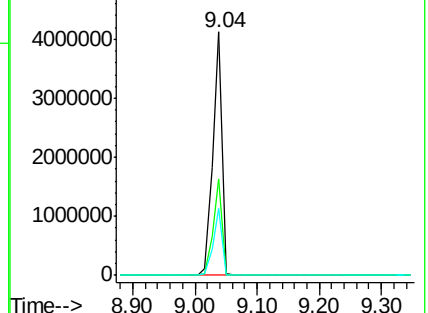
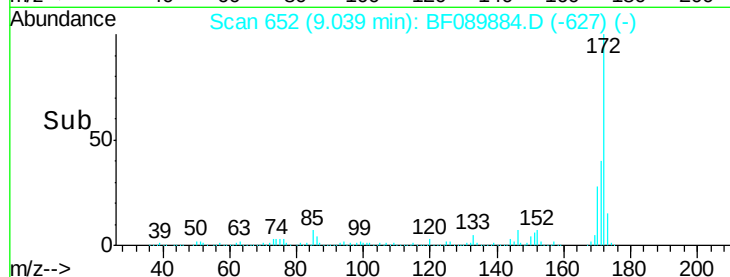
170 27.6 20.6 31.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 8.09 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

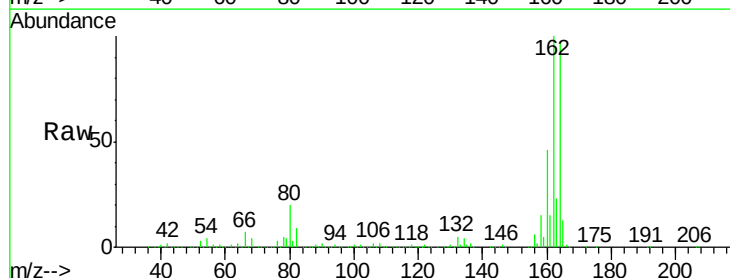
Tgt Ion:165 Resp: 109145

Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

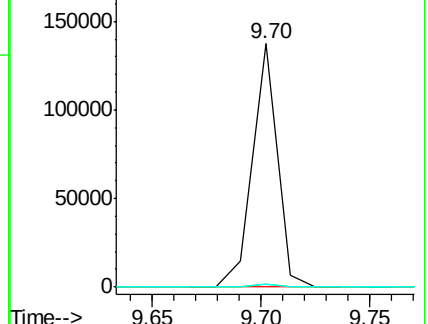
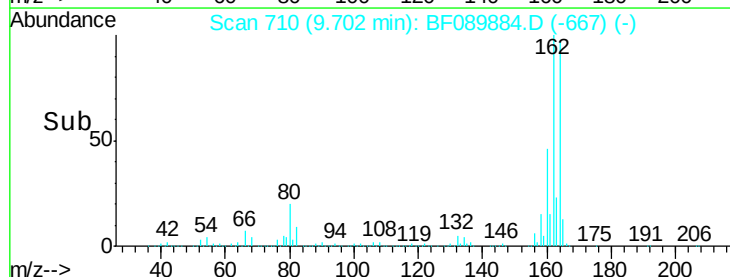
89 1.1 44.6 67.0#

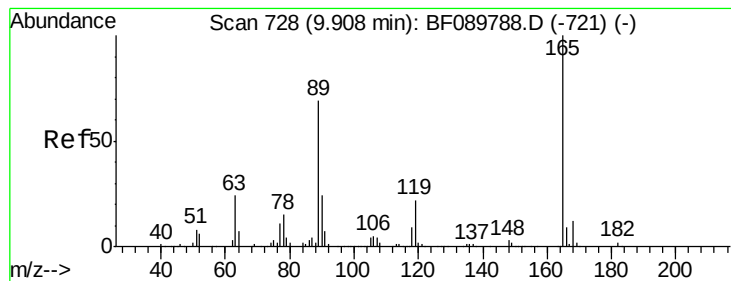


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.23 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EB01-081816

Tgt Ion:165 Resp: 109126

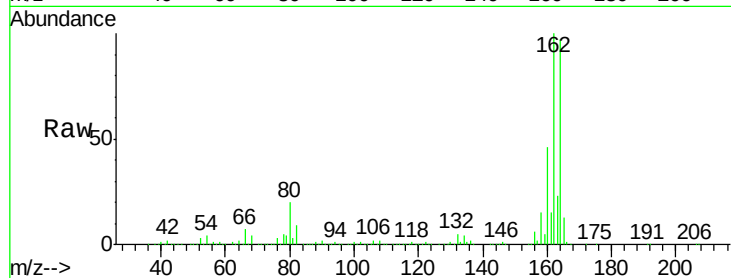
Ion Ratio Lower Upper

165 100

63 1.1 23.7 35.5#

89 1.1 44.0 66.0#

182 0.0 2.0 3.0#

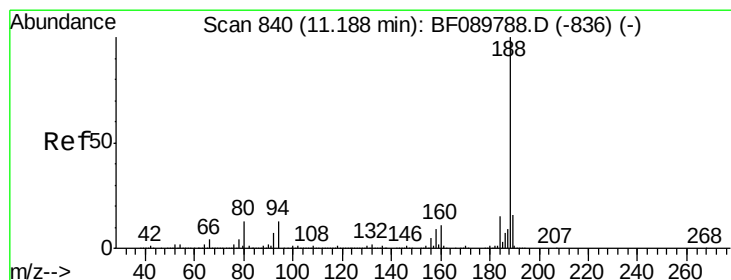
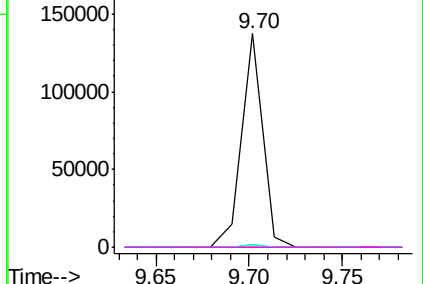
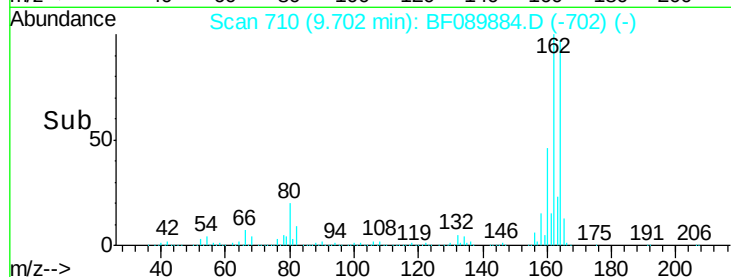


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

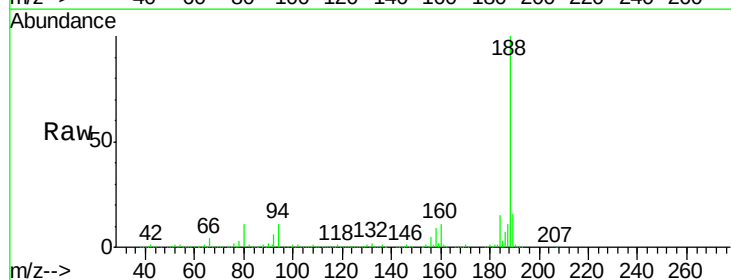
Tgt Ion:188 Resp: 1461424

Ion Ratio Lower Upper

188 100

94 11.3 10.2 15.2

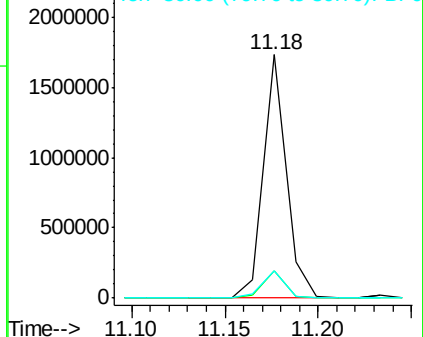
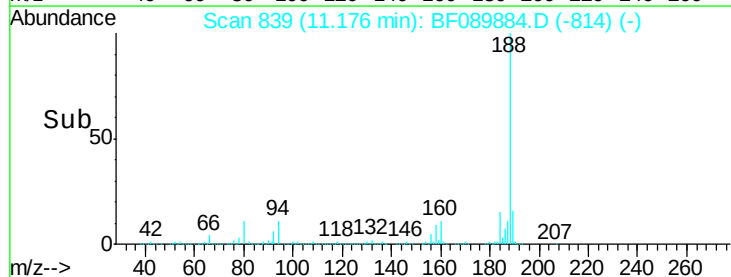
80 11.2 10.9 16.3

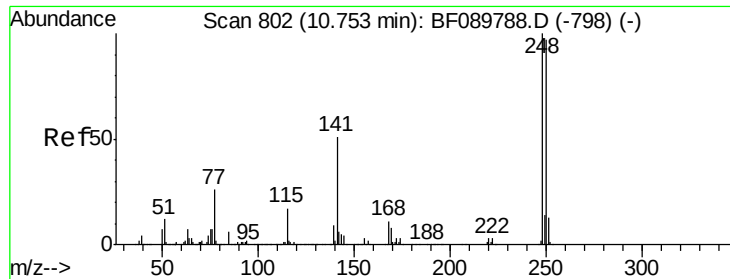


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

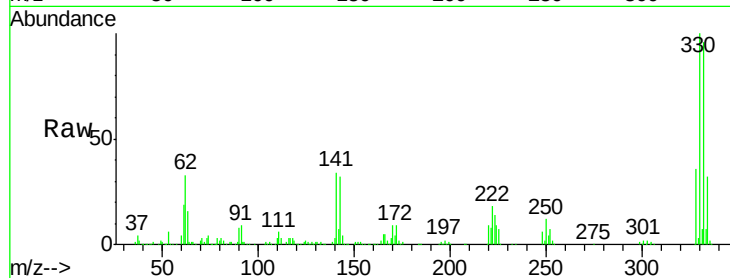




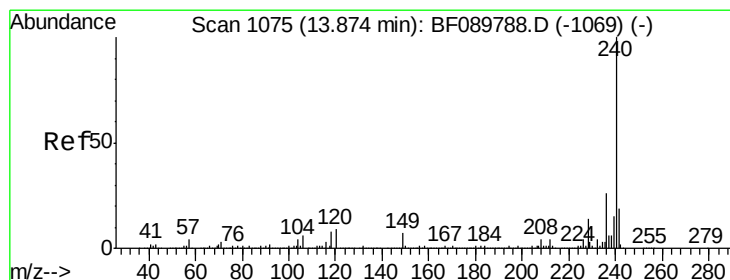
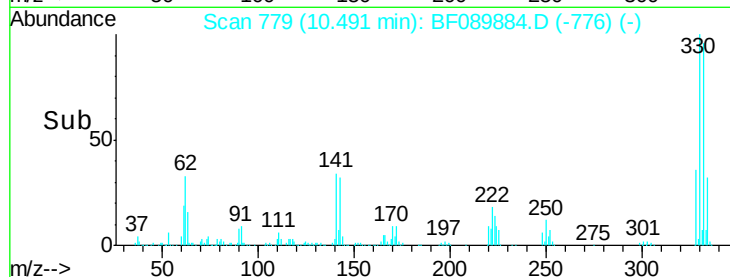
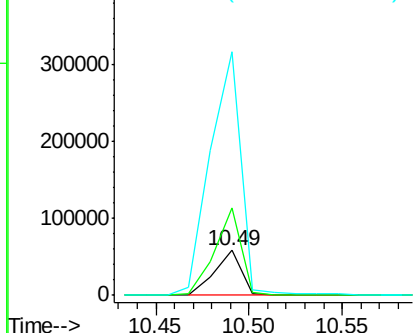
#66
 4-Bromophenyl-phenylether
 Concen: 3.79 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.26 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 EB01-081816

Tgt Ion:248 Resp: 58034
 Ion Ratio Lower Upper
 248 100
 250 194.2 78.6 117.8#
 141 539.3 31.4 47.2#

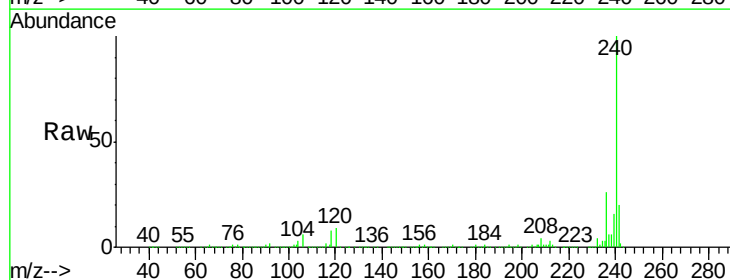


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

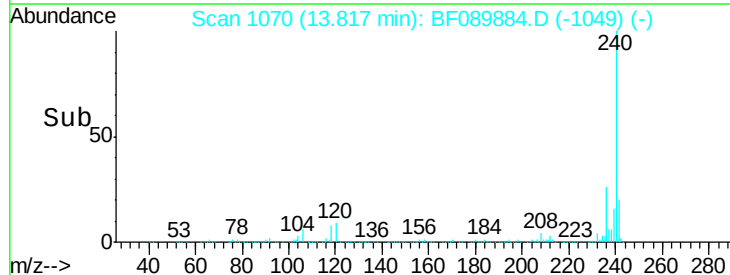
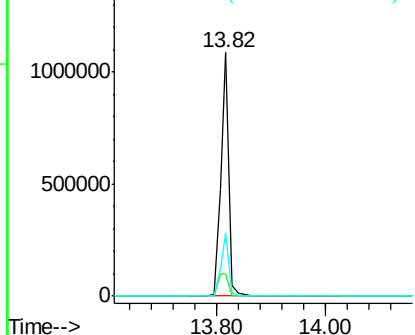


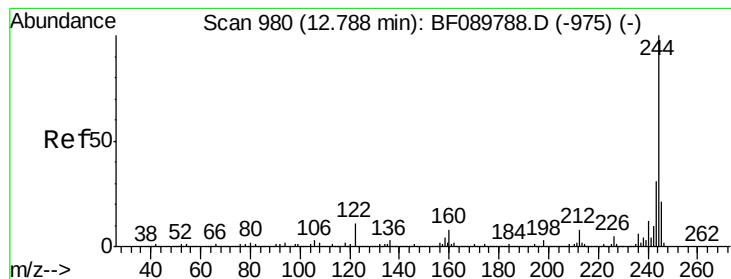
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1070
 Delta R.T. -0.06 min
 Lab File: BF089884.D
 Acq: 24 Aug 2016 19:34

Tgt Ion:240 Resp: 1136128
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.3 12.5
 236 26.1 21.3 31.9



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: 74.57 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EB01-081816

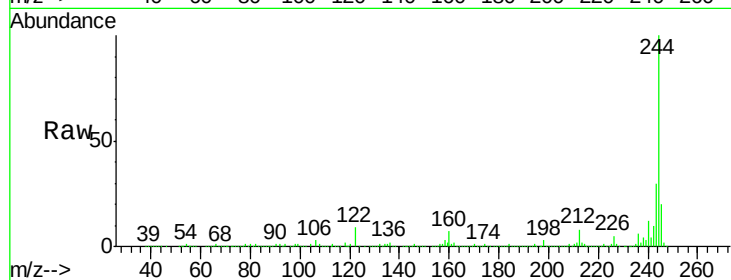
Tgt Ion:244 Resp: 3744929

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

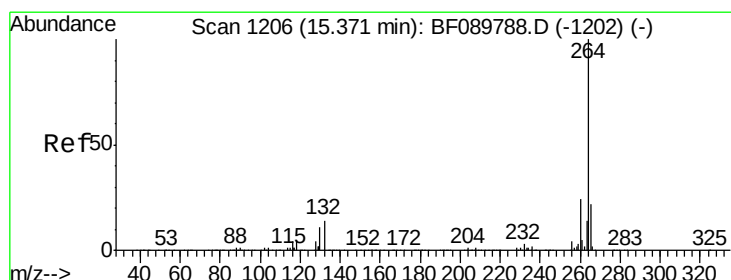
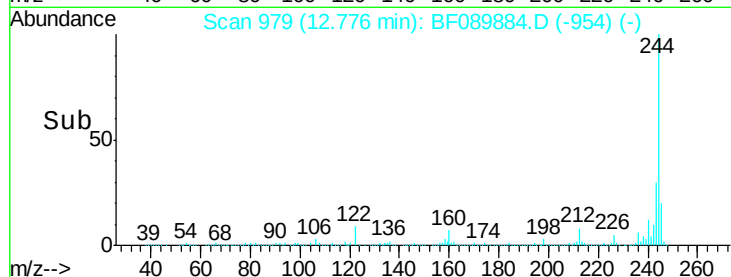
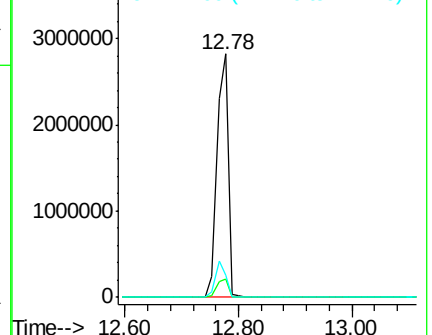
122 9.1 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.25 min Scan# 1195

Delta R.T. -0.13 min

Lab File: BF089884.D

Acq: 24 Aug 2016 19:34

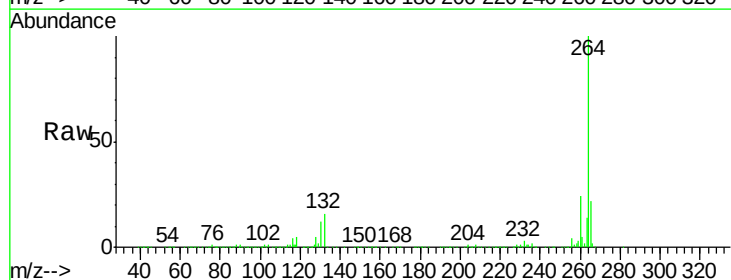
Tgt Ion:264 Resp: 866193

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.2

265 21.6 17.4 26.2



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

