

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090716\
 Data File : BF090018.D
 Acq On : 7 Sep 2016 21:30
 Operator : UM/SJ
 Sample : H4686-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-002

Quant Time: Sep 08 07:17:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

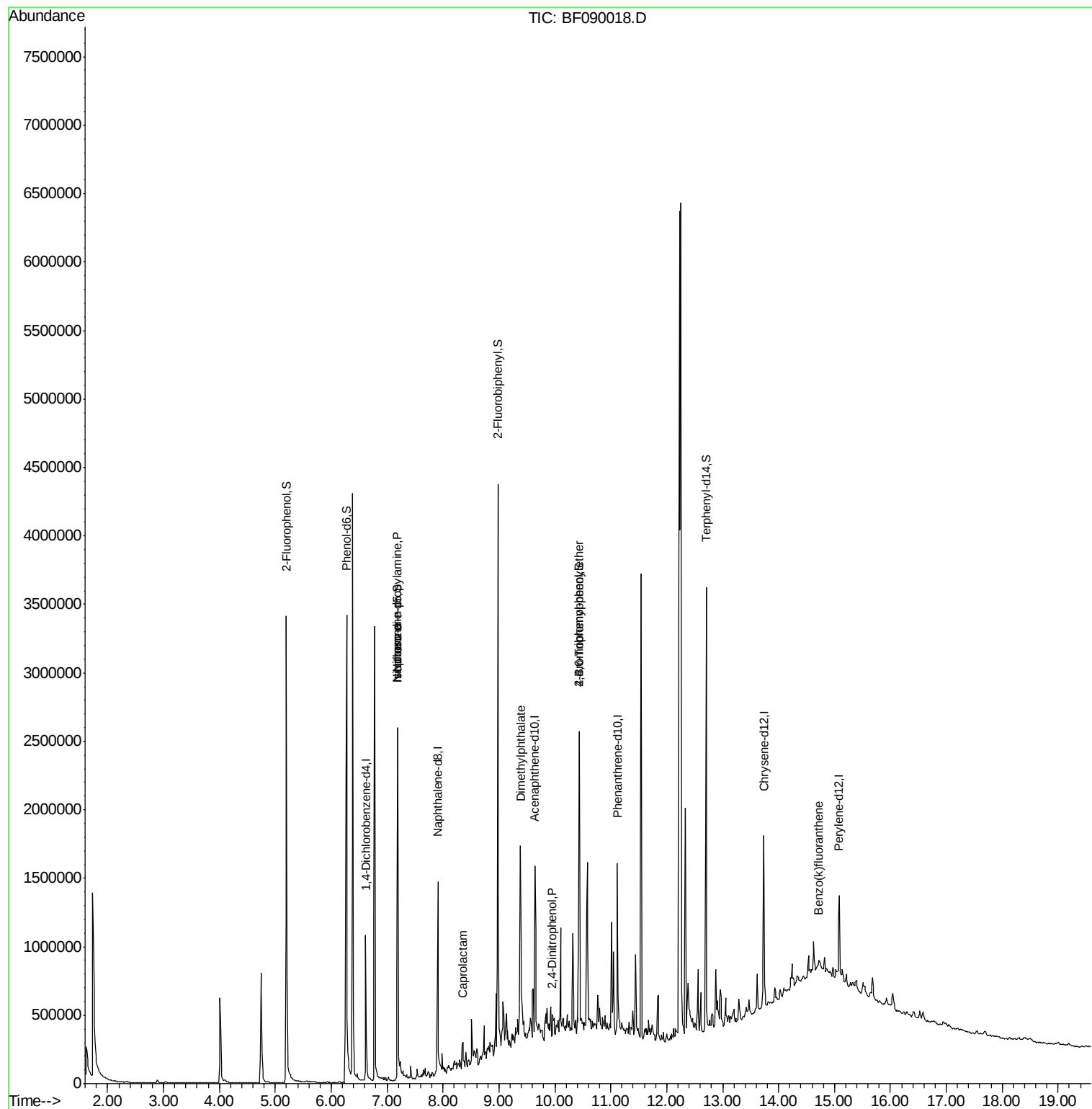
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	194060	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	726293	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	306579	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	512725	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	439361	20.00	ng	-0.02
86) Perylene-d12	15.09	264	308651	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1234195	101.80	ng	-0.01
7) Phenol-d6	6.27	99	1790522	121.54	ng	-0.01
23) Nitrobenzene-d5	7.19	82	984801	78.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	301336	99.63	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1550286	83.01	ng	-0.02
78) Terphenyl-d14	12.71	244	1190069	66.91	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	135166	14.08	ng	# 82
25) Isophorone	7.19	82	781503	30.69	ng	# 65
35) Caprolactam	8.35	113	6835	2.05	ng	# 1
49) Dimethylphthalate	9.38	163	543909	24.55	ng	99
53) 2,4-Dinitrophenol	9.95	184	904	2.14	ng	# 55
66) 4-Bromophenyl-phenylether	10.43	248	19985	3.87	ng	# 1
88) Benzo(k)fluoranthene	14.72	252	35143	2.14	ng	# 48

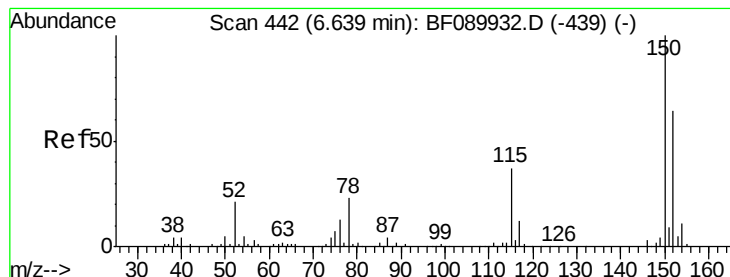
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampleId :

SP-002

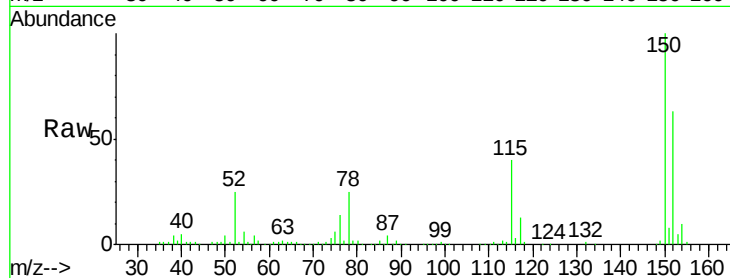
Tgt Ion:152 Resp: 194060

Ion Ratio Lower Upper

152 100

150 158.5 127.4 191.2

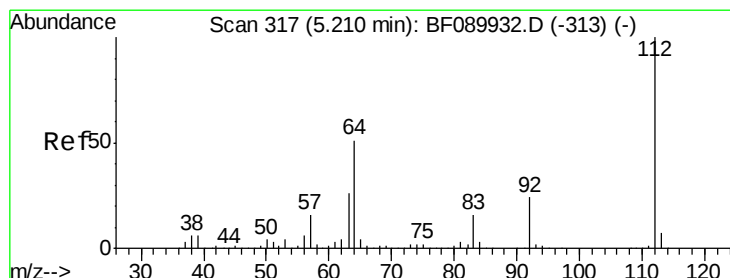
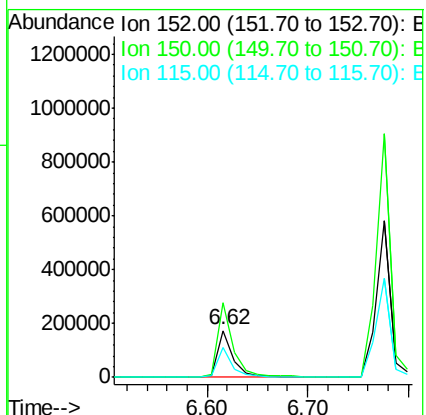
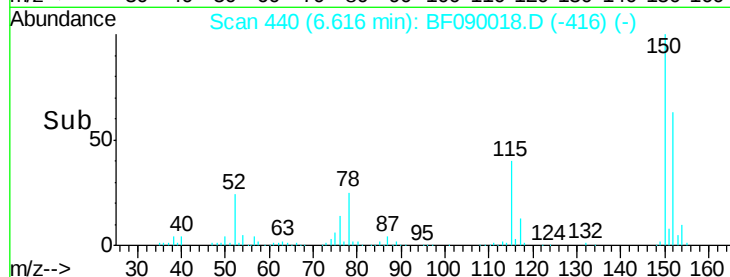
115 62.8 46.3 69.5



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: 101.80 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

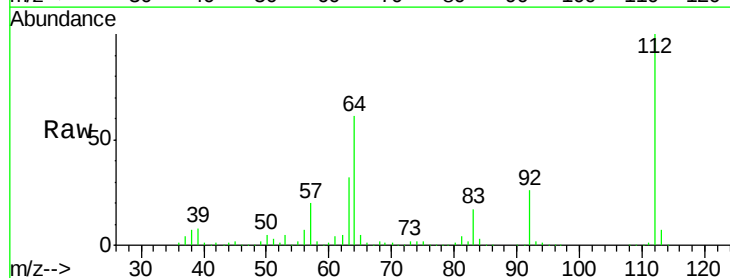
Tgt Ion:112 Resp: 1234195

Ion Ratio Lower Upper

112 100

64 61.4 41.1 61.7

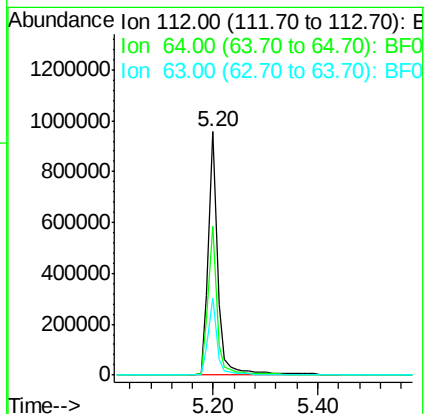
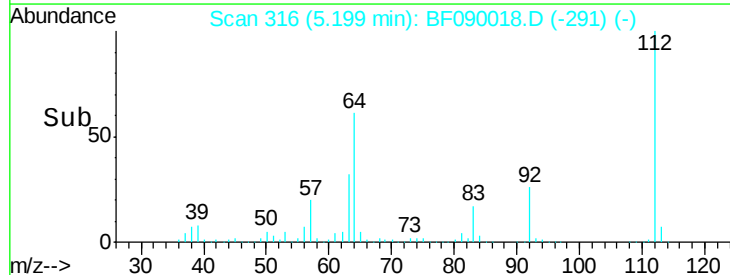
63 31.7 21.2 31.8

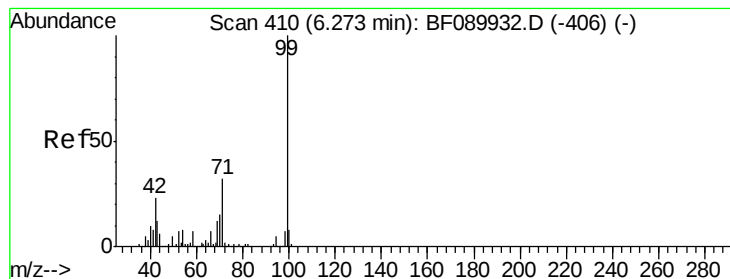


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.54 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampleId :

SP-002

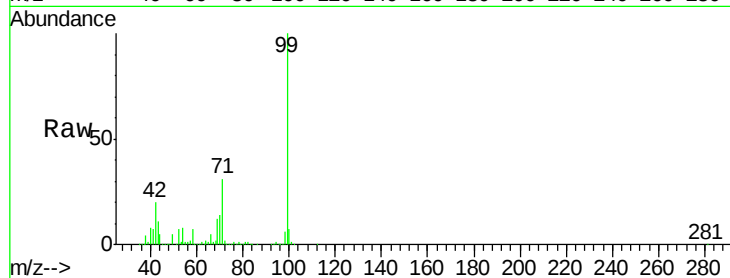
Tgt Ion: 99 Resp: 1790522

Ion Ratio Lower Upper

99 100

42 20.4 18.6 27.8

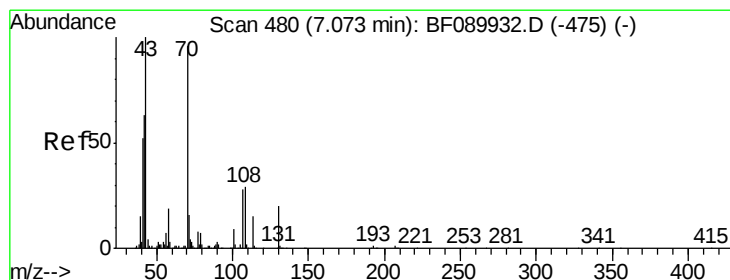
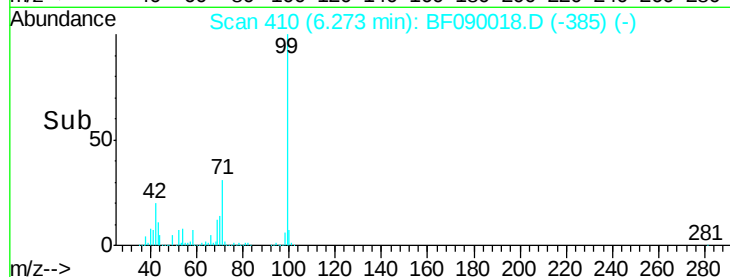
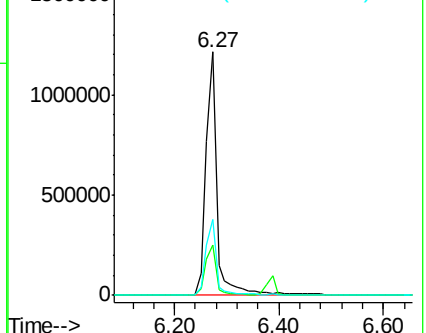
71 31.0 25.8 38.6



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: 14.08 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Tgt Ion: 70 Resp: 135166

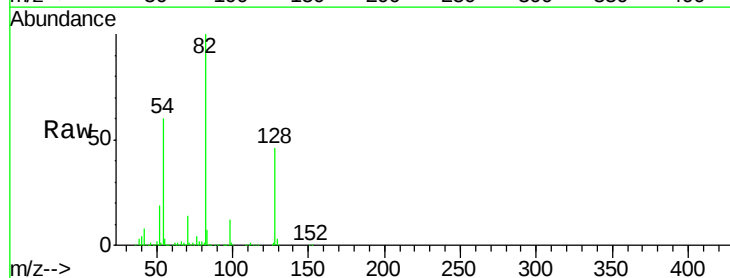
Ion Ratio Lower Upper

70 100

42 57.4 52.1 78.1

101 0.0 7.4 11.2#

130 2.4 17.0 25.4#

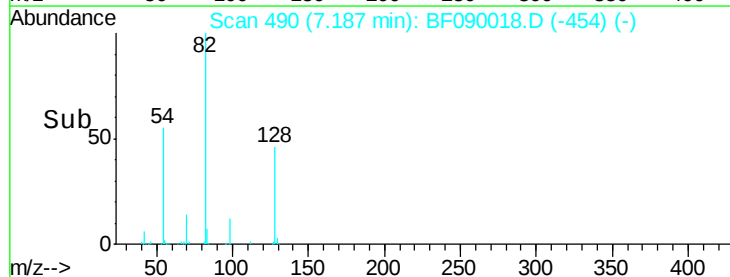
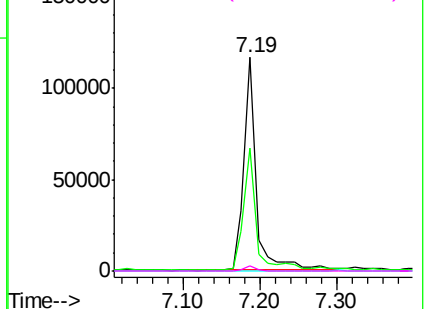


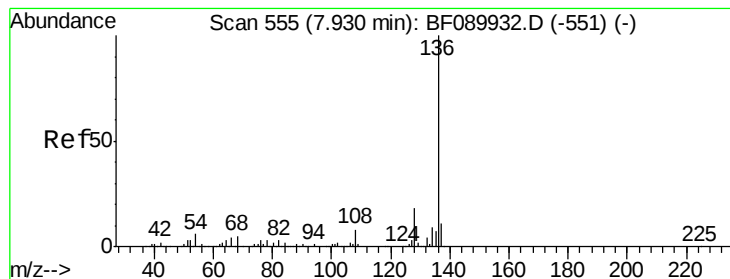
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.91 min Scan# 553

Delta R.T. -0.02 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

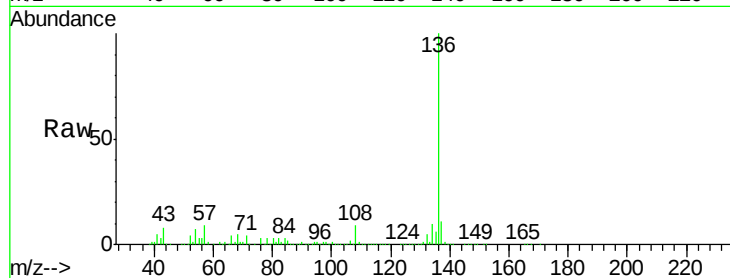
ClientSampleId :

SP-002

Tgt Ion:136 Resp: 726293

Ion Ratio Lower Upper

136	100		
137	10.9	8.3	12.5
54	7.3	4.8	7.2#
68	5.2	3.7	5.5

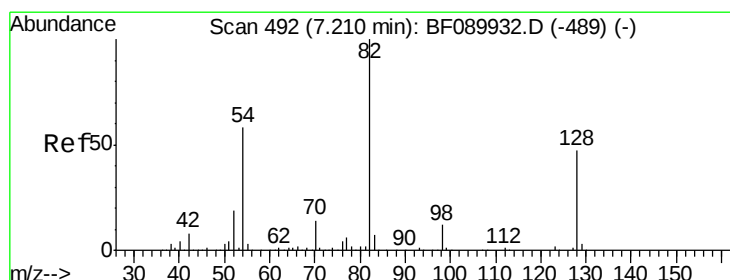
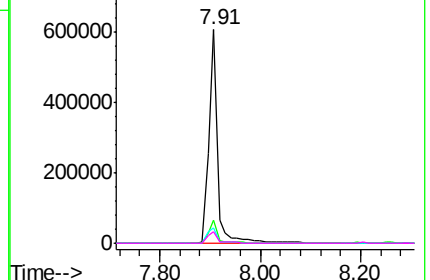
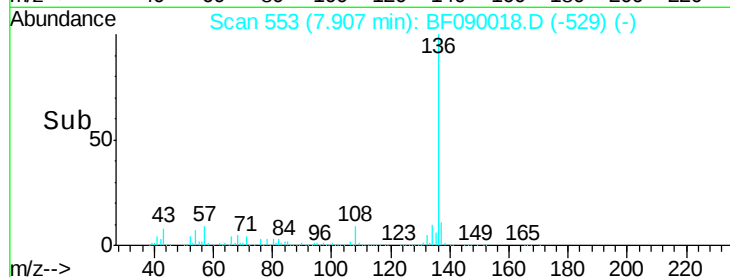


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.64 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.02 min

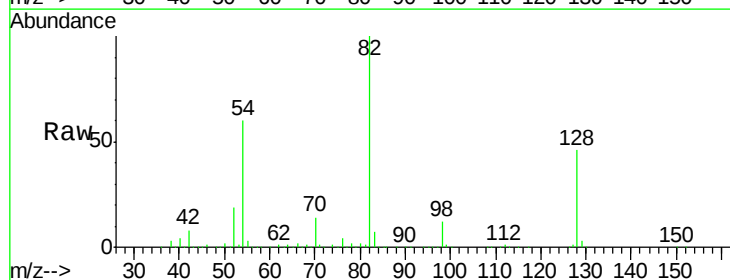
Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Tgt Ion: 82 Resp: 984801

Ion Ratio Lower Upper

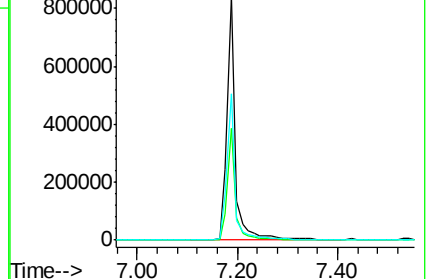
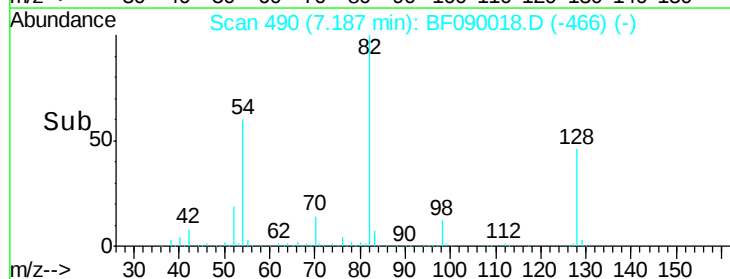
82	100		
128	46.1	37.8	56.8
54	60.2	46.9	70.3

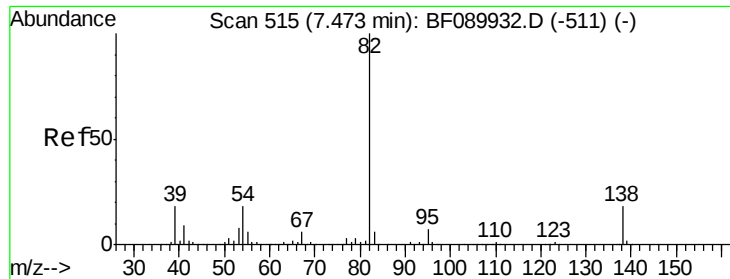


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.69 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampled :

SP-002

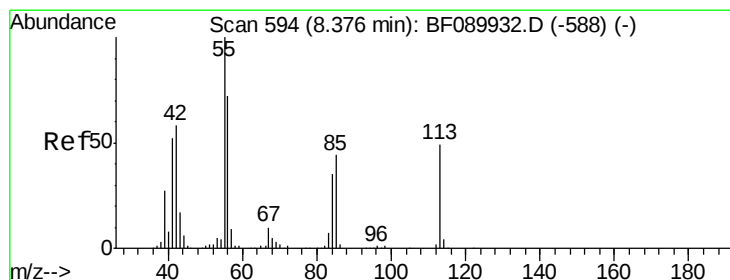
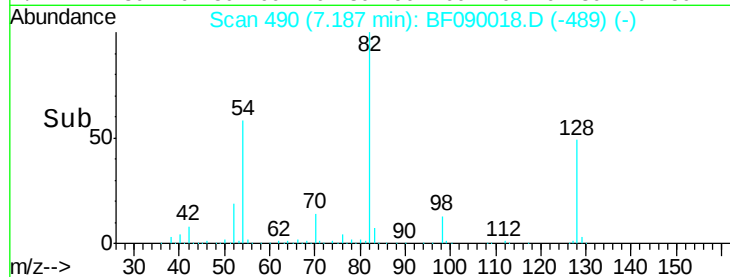
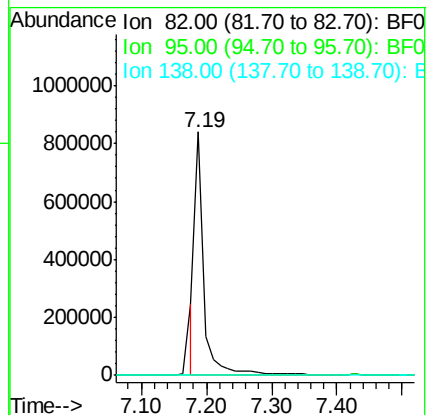
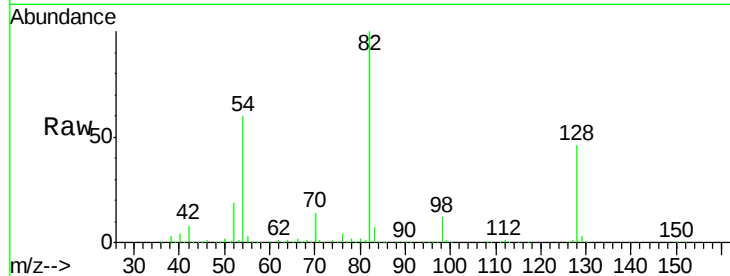
Tgt Ion: 82 Resp: 781503

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 14.4 21.6#



#35

Caprolactam

Concen: 2.05 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

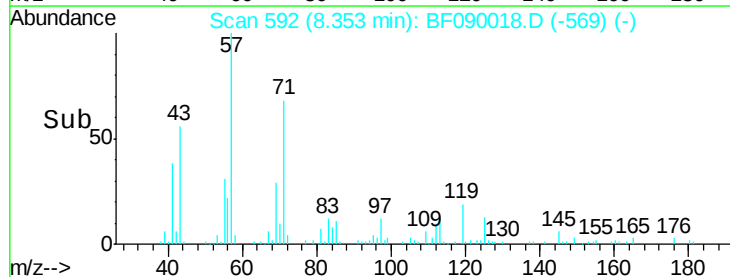
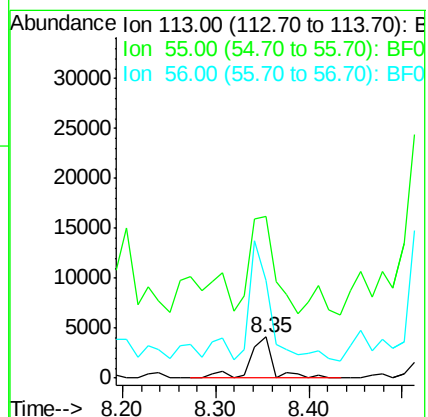
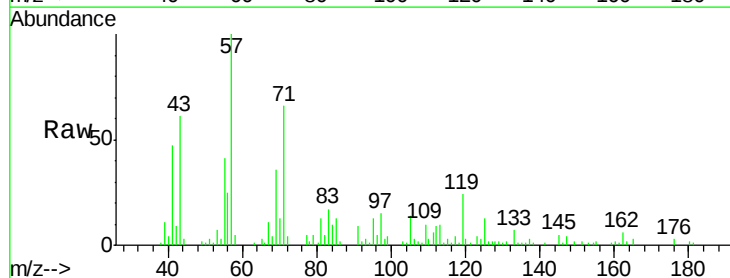
Tgt Ion: 113 Resp: 6835

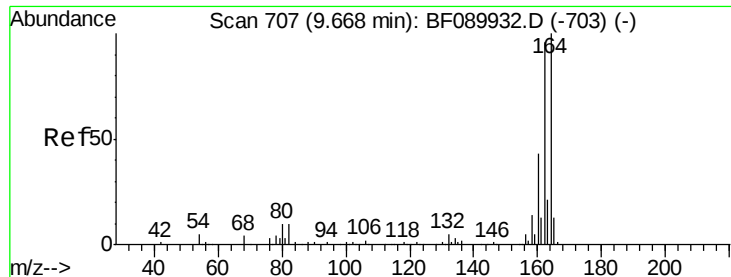
Ion Ratio Lower Upper

113 100

55 394.7 178.5 218.5#

56 237.3 122.7 162.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampleId :

SP-002

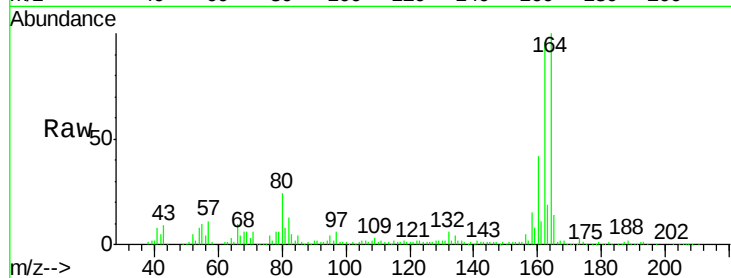
Tgt Ion:164 Resp: 306579

Ion Ratio Lower Upper

164 100

162 95.7 77.1 115.7

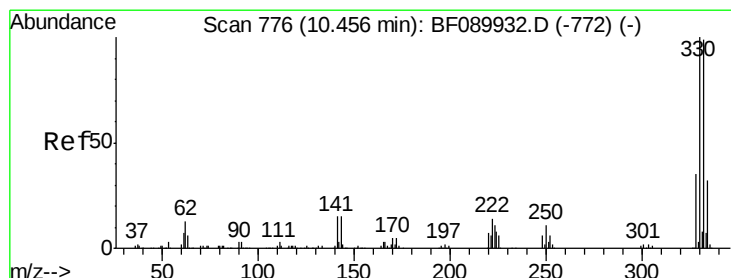
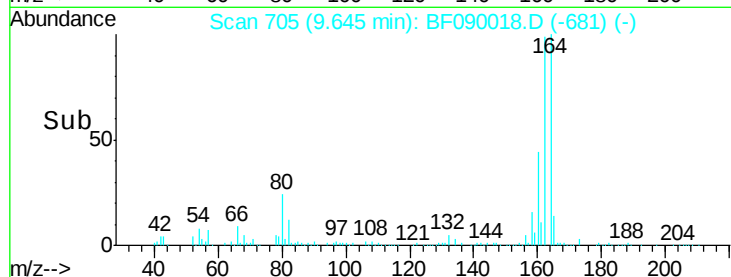
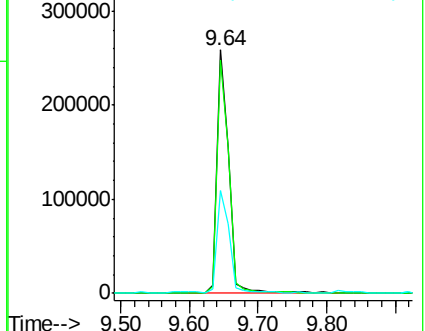
160 42.2 35.3 52.9



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: 99.63 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

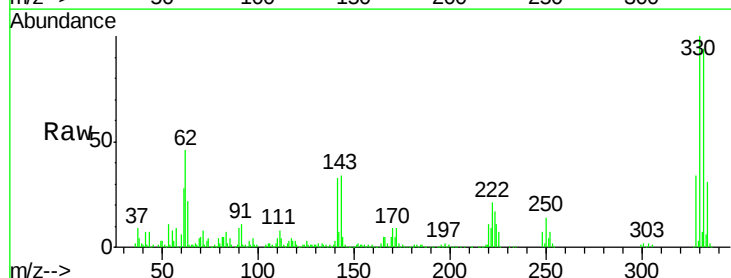
Tgt Ion:330 Resp: 301336

Ion Ratio Lower Upper

330 100

332 94.3 78.6 117.8

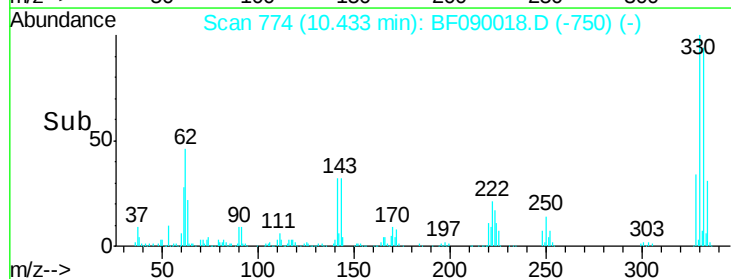
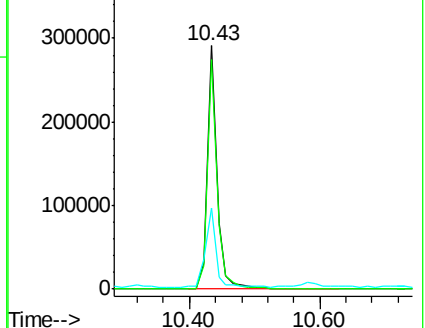
141 34.5 23.3 34.9

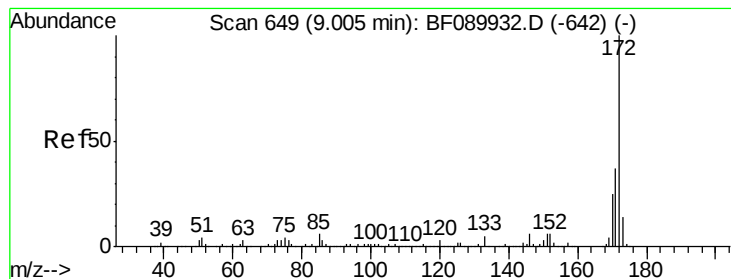


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

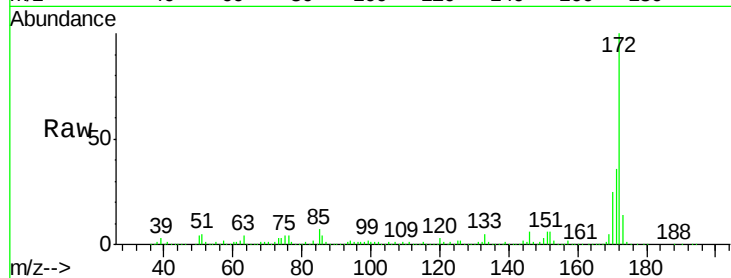




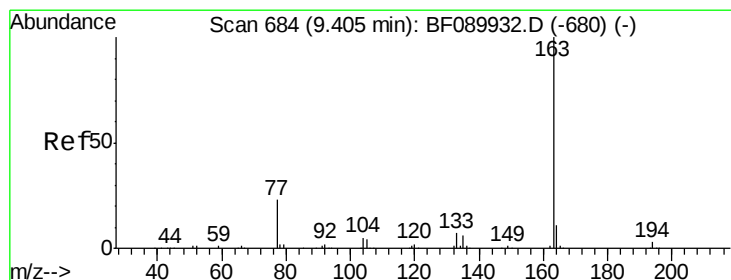
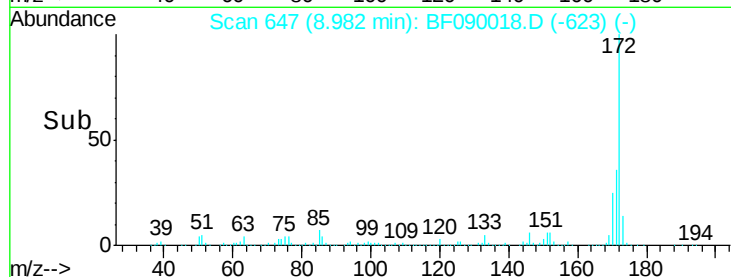
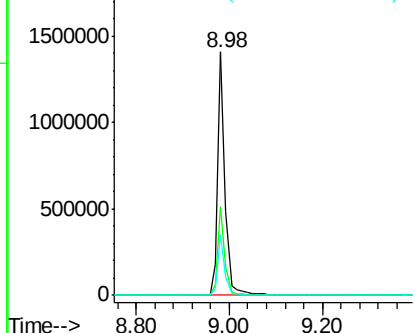
#44
 2-Fluorobiphenyl
 Concen: 83.01 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF090018.D
 Acq: 7 Sep 2016 21:30

Instrument :
 BNA_F
 ClientSampleId :
 SP-002

Tgt Ion:172 Resp: 1550286
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.2
 170 24.7 20.1 30.1

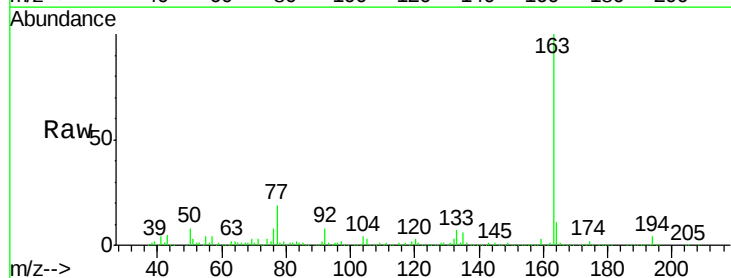


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

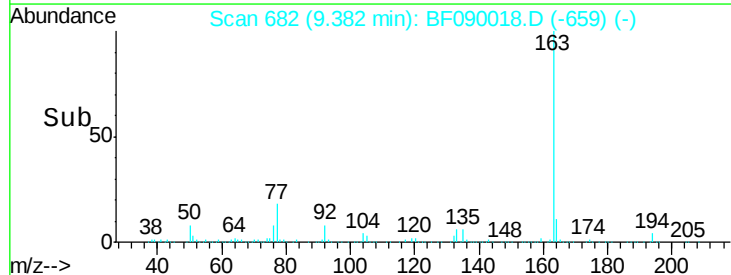
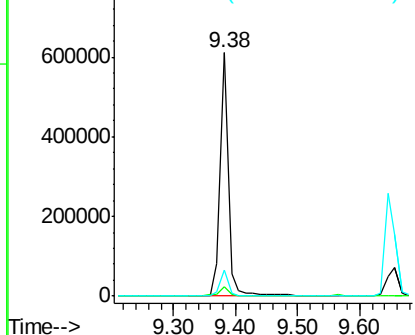


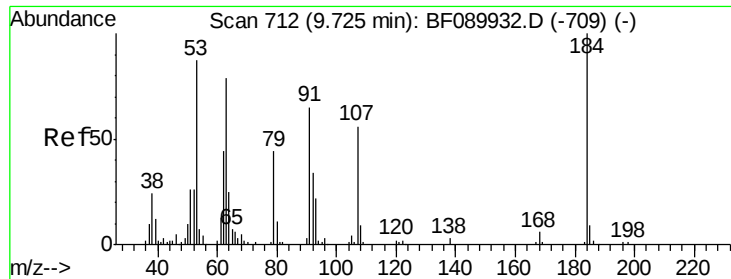
#49
 Dimethylphthalate
 Concen: 24.55 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF090018.D
 Acq: 7 Sep 2016 21:30

Tgt Ion:163 Resp: 543909
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 10.9 9.0 13.4



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

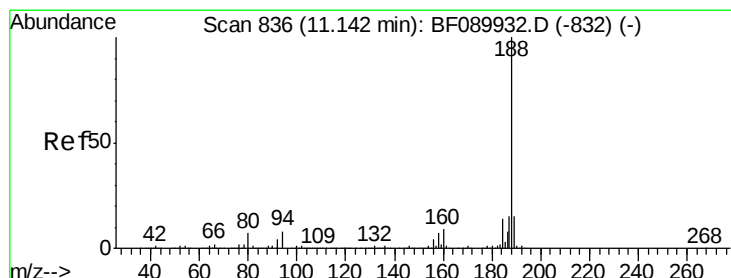
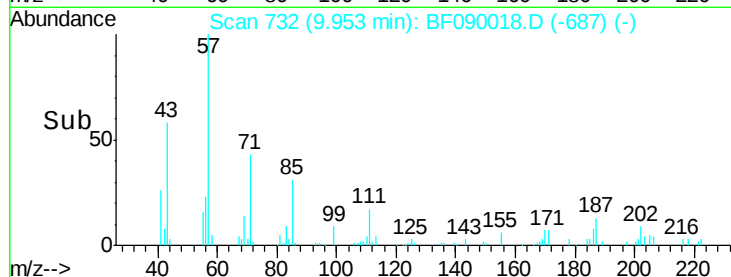
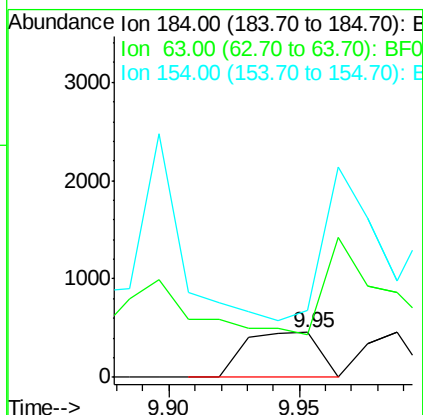
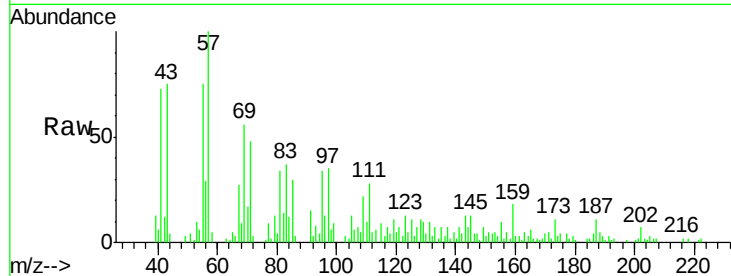




#53
 2,4-Dinitrophenol
 Concen: 2.14 ng
 RT: 9.95 min Scan# 732
 Delta R.T. 0.22 min
 Lab File: BF090018.D
 Acq: 7 Sep 2016 21:30

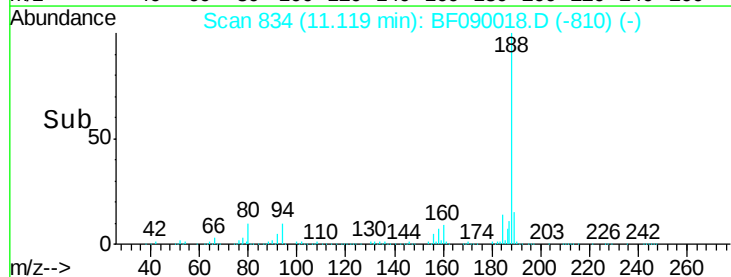
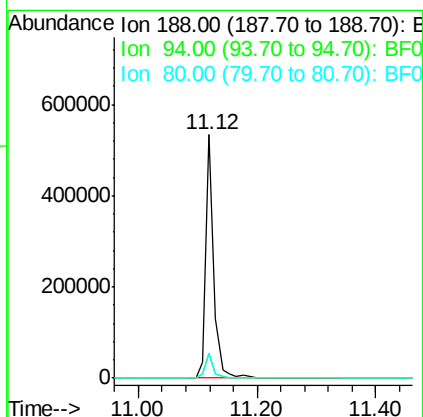
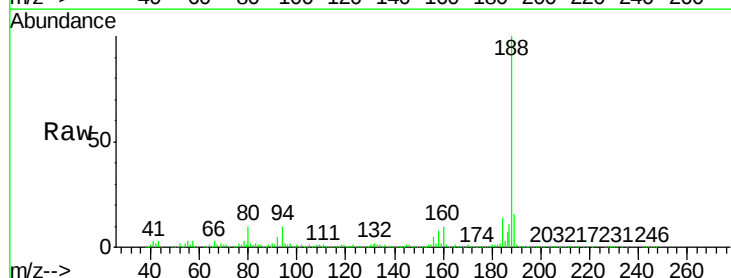
Instrument :
 BNA_F
 ClientSampleId :
 SP-002

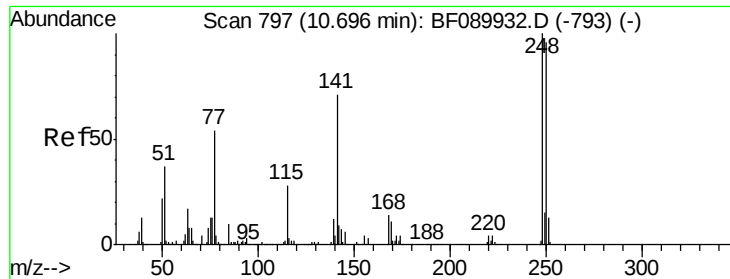
Tgt Ion:184 Resp: 904
 Ion Ratio Lower Upper
 184 100
 63 95.6 73.9 110.9
 154 148.4 53.5 80.3#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.02 min
 Lab File: BF090018.D
 Acq: 7 Sep 2016 21:30

Tgt Ion:188 Resp: 512725
 Ion Ratio Lower Upper
 188 100
 94 10.0 5.9 8.9#
 80 10.1 5.8 8.8#

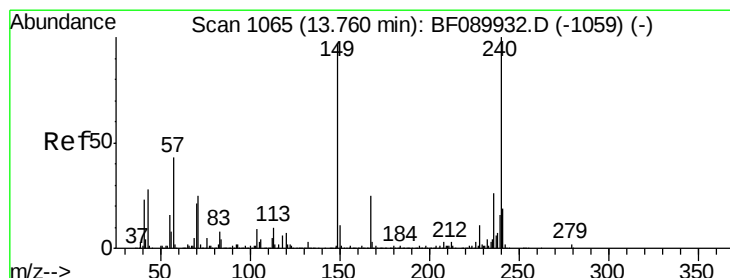
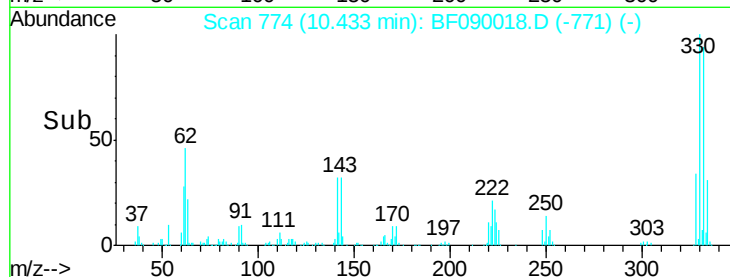
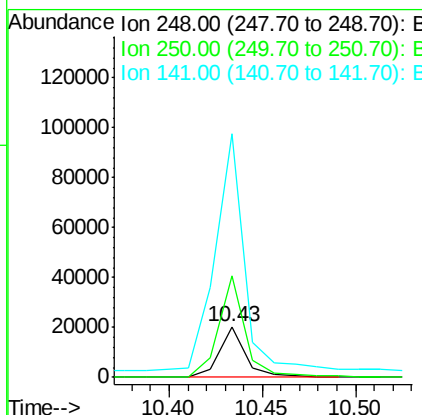
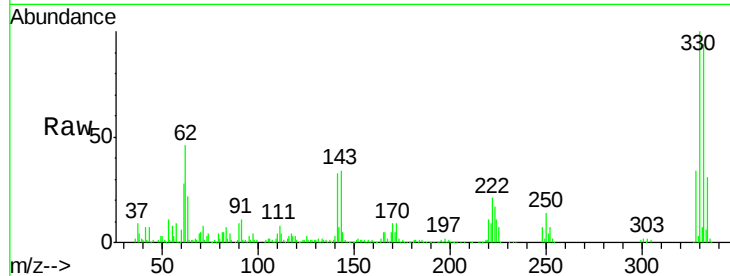




#66
4-Bromophenyl-phenylether
Concen: 3.87 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.26 min
Lab File: BF090018.D
Acq: 7 Sep 2016 21:30

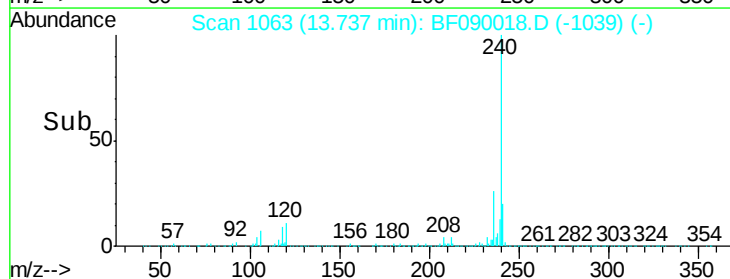
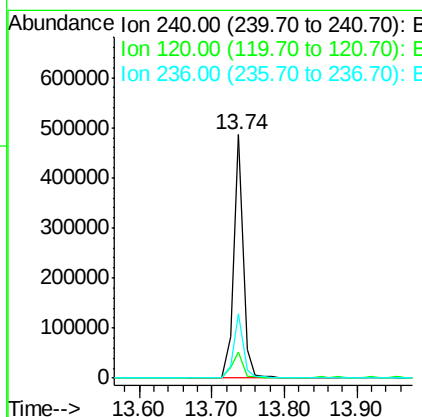
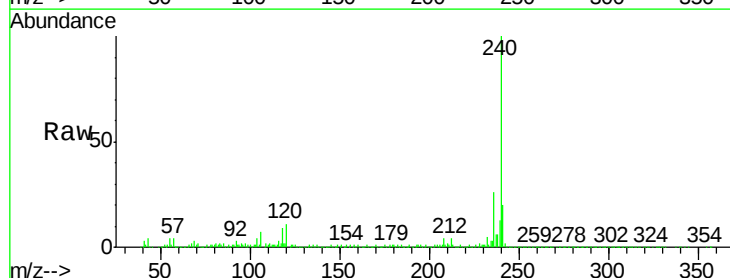
Instrument :
BNA_F
ClientSampleId :
SP-002

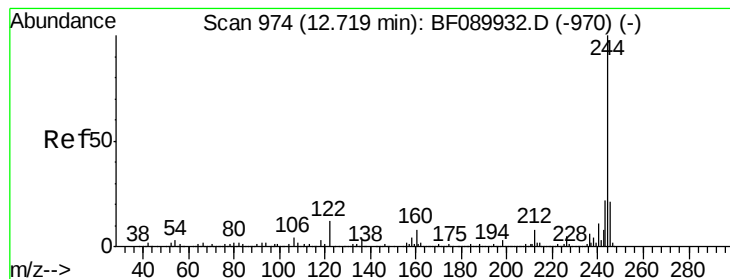
Tgt Ion:248 Resp: 19985
Ion Ratio Lower Upper
248 100
250 200.7 77.3 115.9#
141 480.9 55.8 83.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.02 min
Lab File: BF090018.D
Acq: 7 Sep 2016 21:30

Tgt Ion:240 Resp: 439361
Ion Ratio Lower Upper
240 100
120 10.9 5.7 8.5#
236 26.3 21.3 31.9





#78

Terphenyl-d14

Concen: 66.91 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampleId :

SP-002

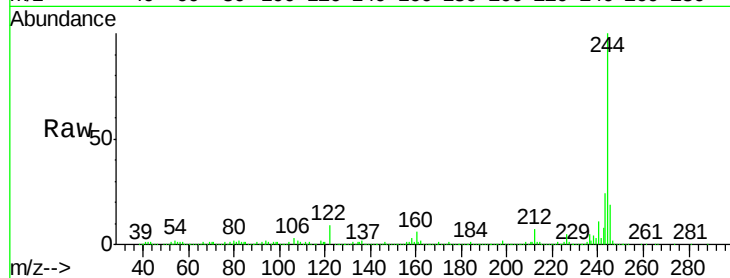
Tgt Ion:244 Resp: 1190069

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

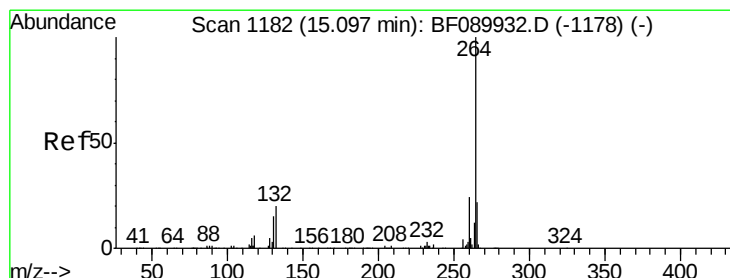
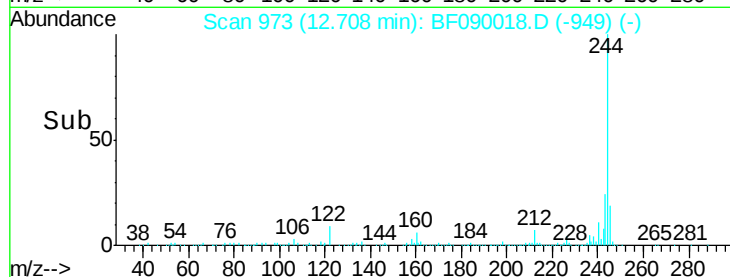
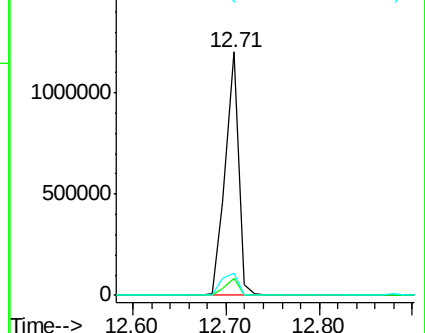
122 9.3 9.6 14.4#



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: 15.09 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

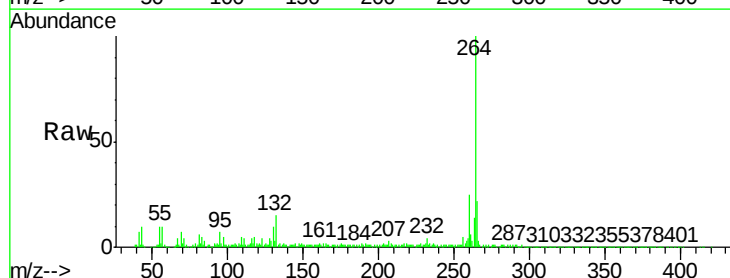
Tgt Ion:264 Resp: 308651

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.0

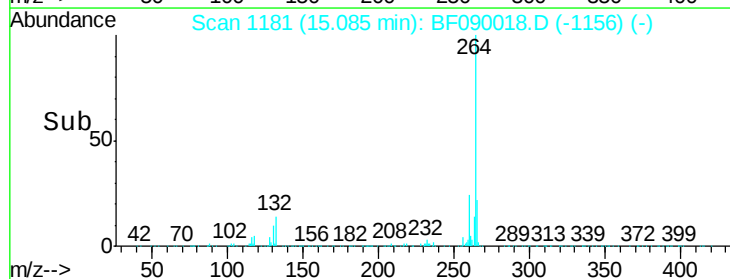
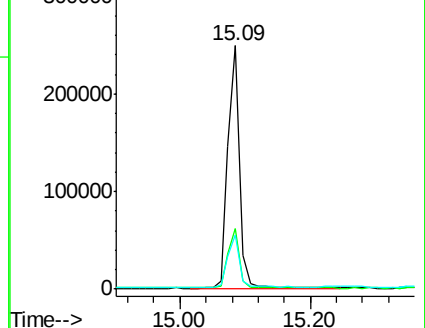
265 22.2 17.4 26.2

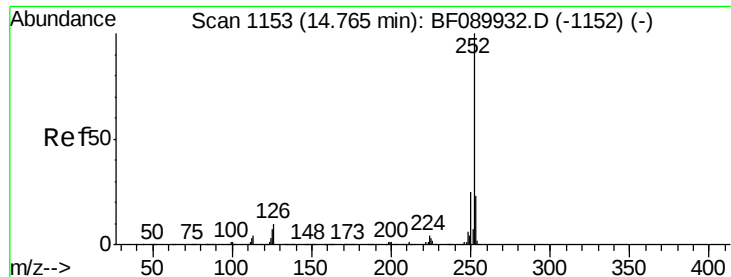


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.14 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF090018.D

Acq: 7 Sep 2016 21:30

Instrument :

BNA_F

ClientSampleId :

SP-002

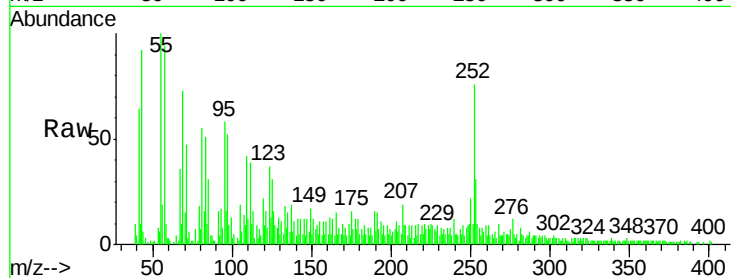
Tgt Ion: 252 Resp: 35143

Ion Ratio Lower Upper

252 100

253 40.4 17.8 26.8#

125 40.9 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

