

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089663.D
 Acq On : 8 Aug 2016 16:01
 Operator : UM/SJ
 Sample : H4351-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CORE-E

Quant Time: Aug 09 02:29:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	42989	20.00	ng	-0.03
21) Naphthalene-d8	9.45	136	184278	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	91480	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	186395	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	148465	20.00	ng	-0.02
86) Perylene-d12	20.02	264	104877	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	434680	169.47	ng	0.00
7) Phenol-d6	6.97	99	599255	172.23	ng	-0.01
23) Nitrobenzene-d5	8.33	82	355919	106.83	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	114981	152.31	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	684007	97.18	ng	-0.02
78) Terphenyl-d14	17.04	244	619710	82.40	ng	-0.01

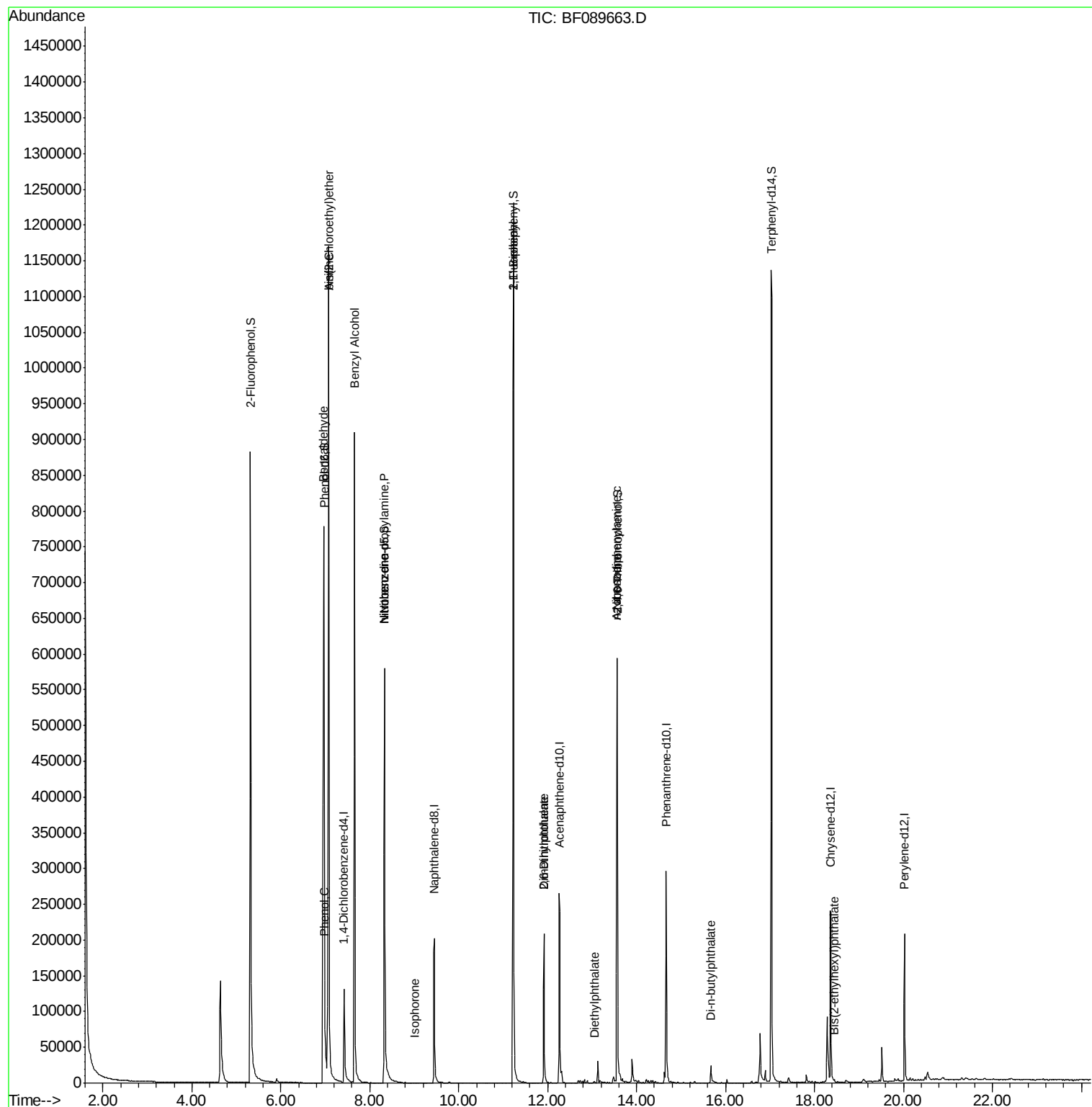
Target Compounds						Qvalue
6) Aniline	7.07	93	305	0.07	ng	# 1
9) Benzaldehyde	6.96	77	581	0.46	ng	# 1
10) Phenol	6.98	94	7732	2.16	ng	# 27
11) bis(2-Chloroethyl)ether	7.07	93	305	0.10	ng	# 1
15) Benzyl Alcohol	7.66	79	5572	2.44	ng	# 42
19) n-Nitroso-di-n-propylamine	8.33	70	43661	17.37	ng	# 81
24) Nitrobenzene	8.33	77	662	0.21	ng	# 42
25) Isophorone	9.00	82	242	0.04	ng	# 68
45) 1,1'-Biphenyl	11.23	154	1078	0.13	ng	# 1
49) Dimethylphthalate	11.92	163	134459	18.75	ng	100
50) 2,6-Dinitrotoluene	11.92	165	1055	0.74	ng	# 1
59) Diethylphthalate	13.06	149	1171	0.16	ng	# 60
62) Azobenzene	13.55	77	597	0.08	ng	# 1
65) n-Nitrosodiphenylamine	13.55	169	4703	0.75	ng	# 42
73) Di-n-butylphthalate	15.67	149	1189	0.10	ng	# 79
83) Bis(2-ethylhexyl)phthalate	18.45	149	860	0.11	ng	# 55

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

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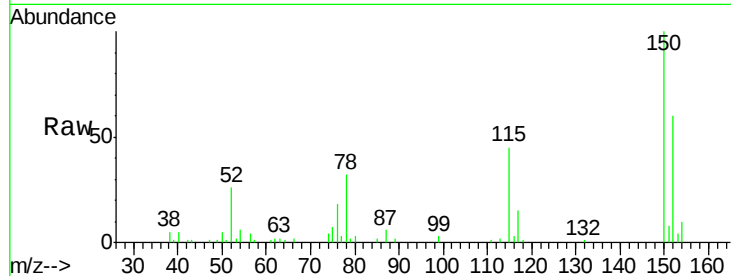


#1

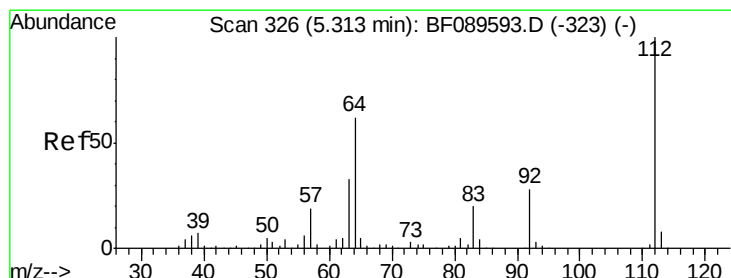
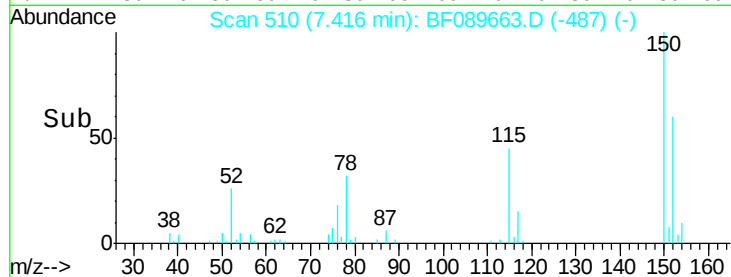
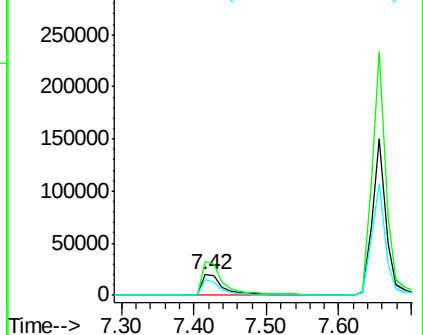
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.03 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

Instrument :
BNA_F
ClientSampleId :
CORE-E

Tgt Ion:152 Resp: 42989
Ion Ratio Lower Upper
152 100
150 165.5 125.5 188.3
115 75.1 52.0 78.0



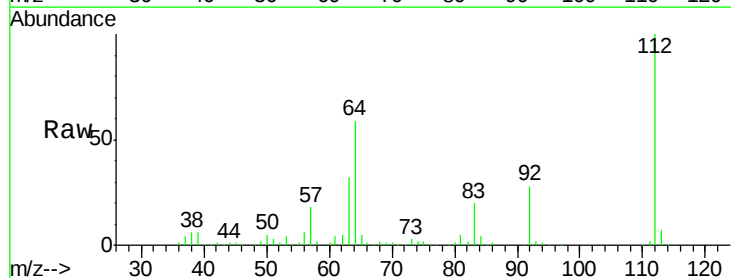
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



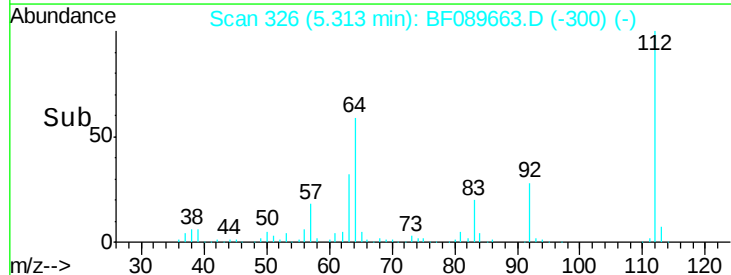
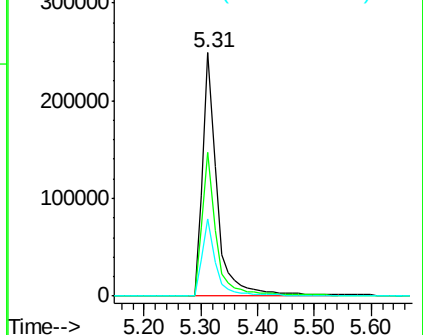
#5

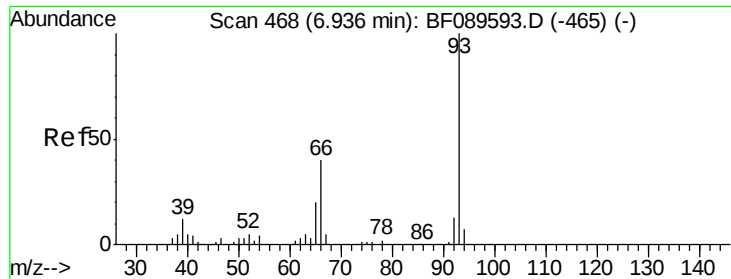
2-Fluorophenol
Concen: 169.47 ng
RT: 5.31 min Scan# 326
Delta R.T. 0.00 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

Tgt Ion:112 Resp: 434680
Ion Ratio Lower Upper
112 100
64 59.1 49.9 74.9
63 31.7 26.1 39.1



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





#6

Aniline

Concen: 0.07 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

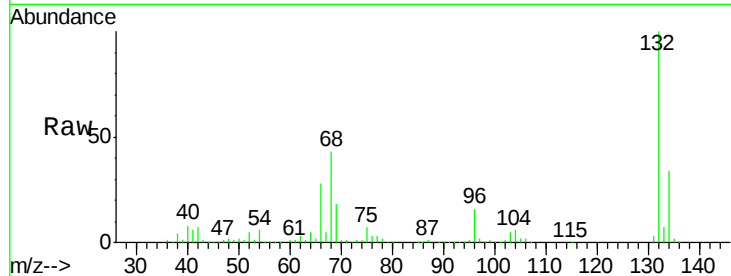
Tgt Ion: 93 Resp: 305

Ion Ratio Lower Upper

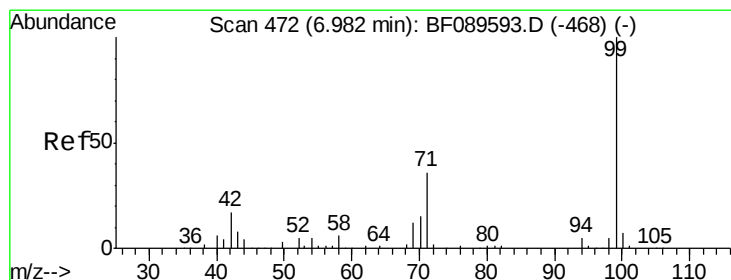
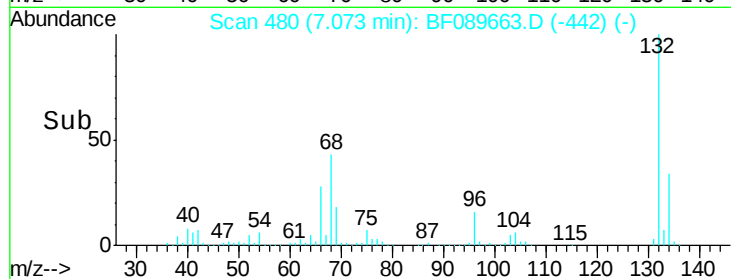
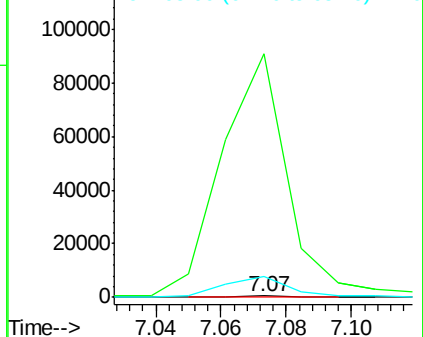
93 100

66 20438.7 32.2 48.2#

65 1767.9 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 172.23 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

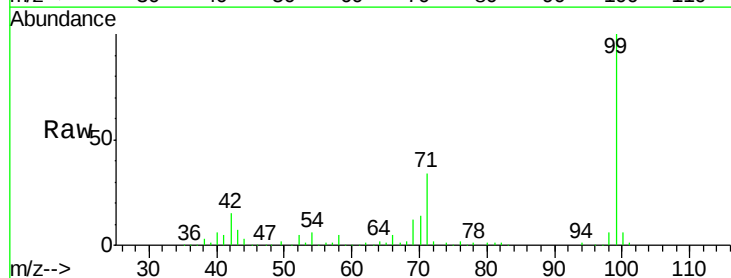
Tgt Ion: 99 Resp: 599255

Ion Ratio Lower Upper

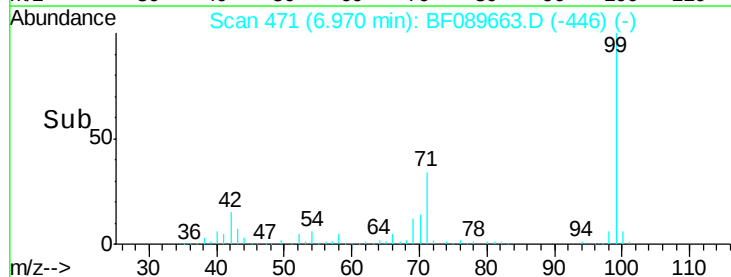
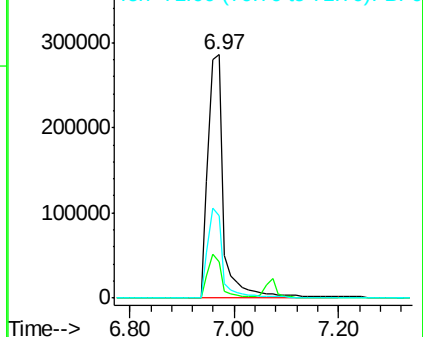
99 100

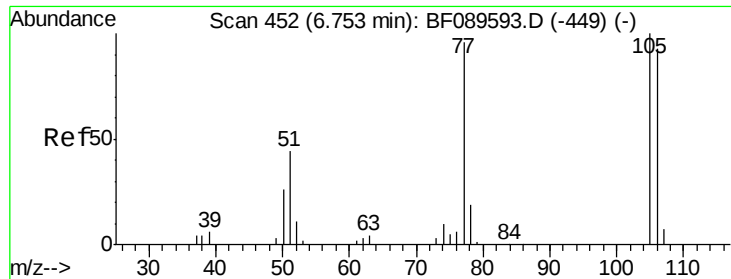
42 14.8 13.7 20.5

71 34.0 29.0 43.4



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: 0.46 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

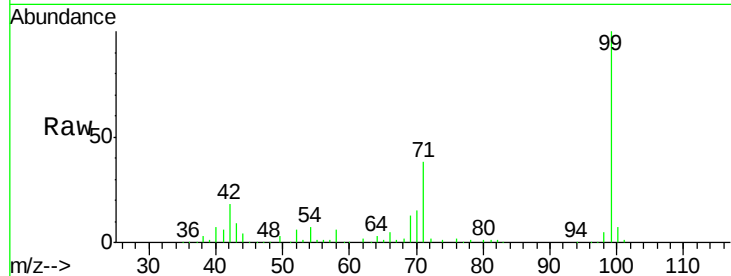
Tgt Ion: 77 Resp: 581

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

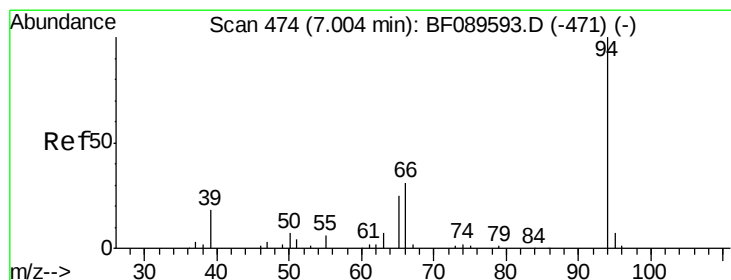
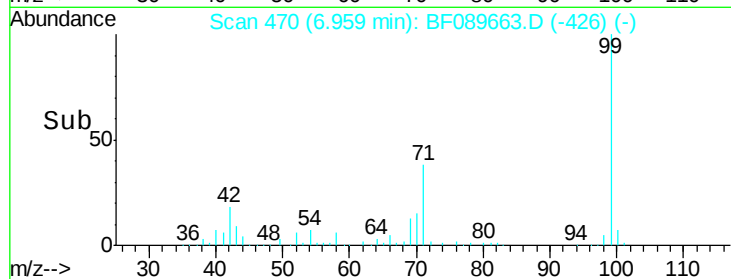
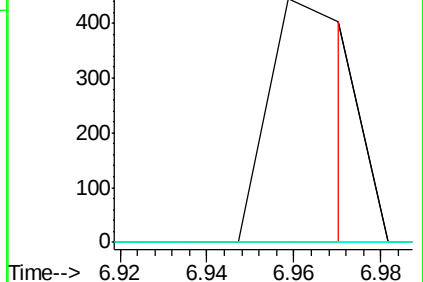
106 0.0 77.1 117.1#



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



#10

Phenol

Concen: 2.16 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

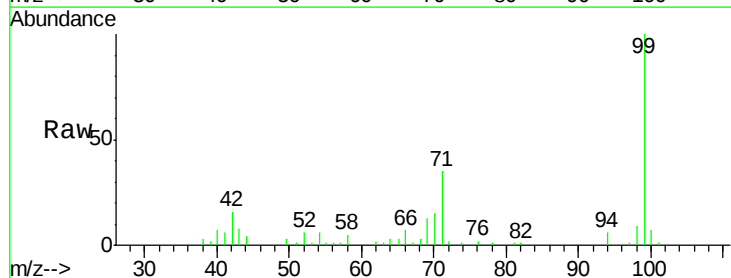
Tgt Ion: 94 Resp: 7732

Ion Ratio Lower Upper

94 100

65 48.5 11.0 51.0

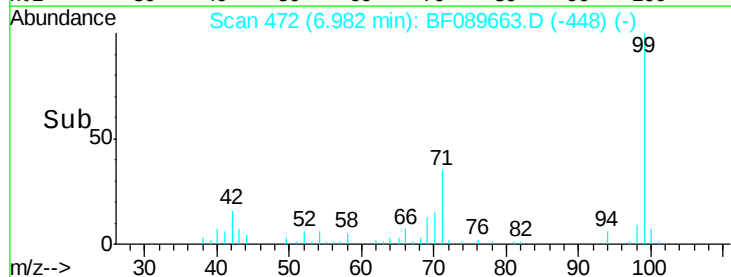
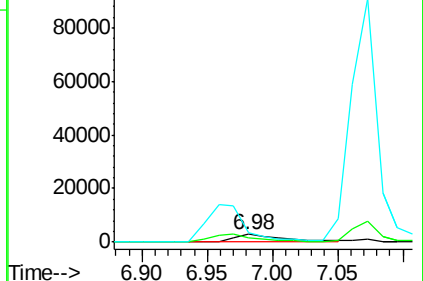
66 113.9 27.4 67.4#

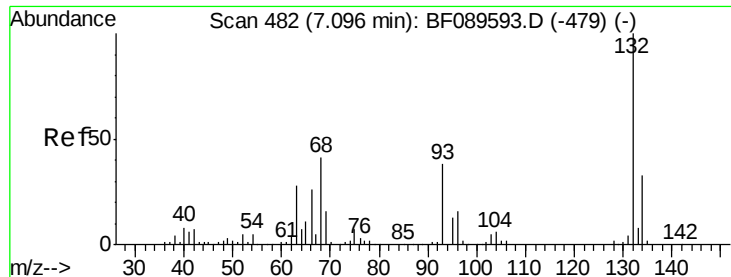


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

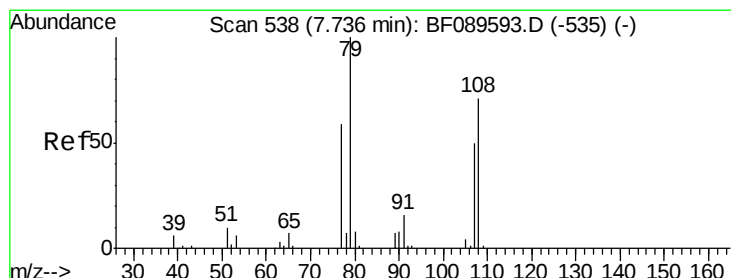
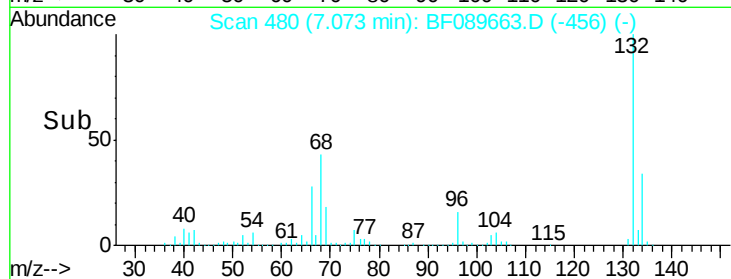
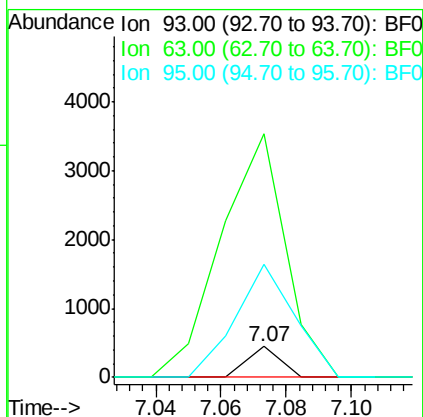
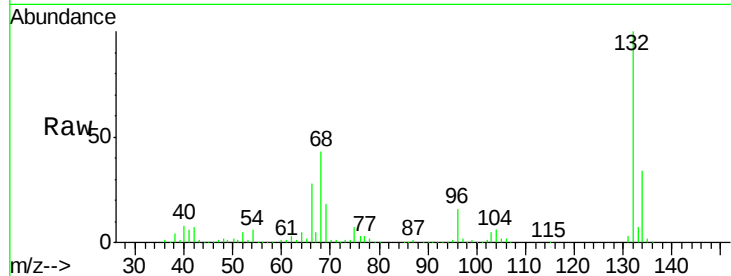




#11
bis(2-Chloroethyl)ether
Concen: 0.10 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

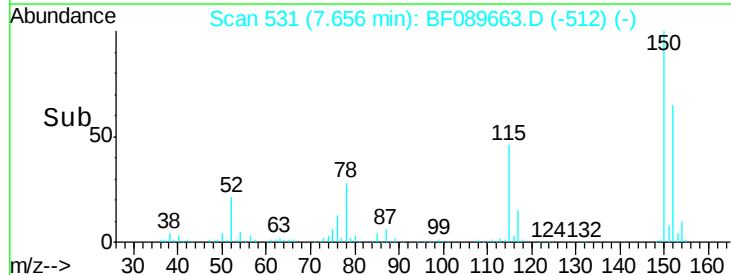
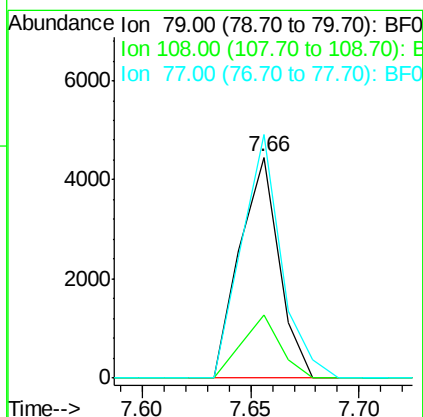
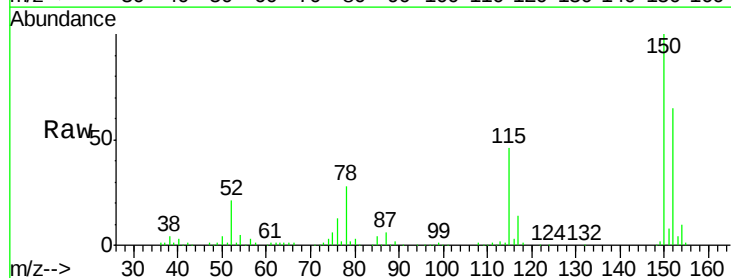
Instrument :
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ClientSampleId :
CORE-E

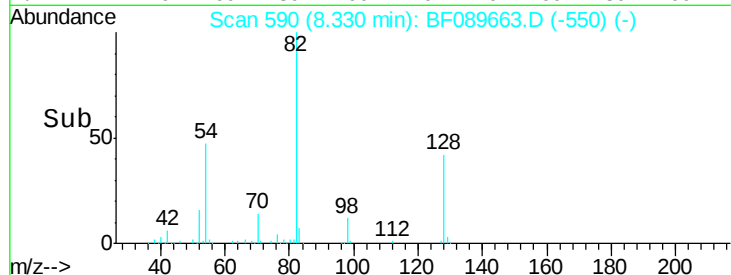
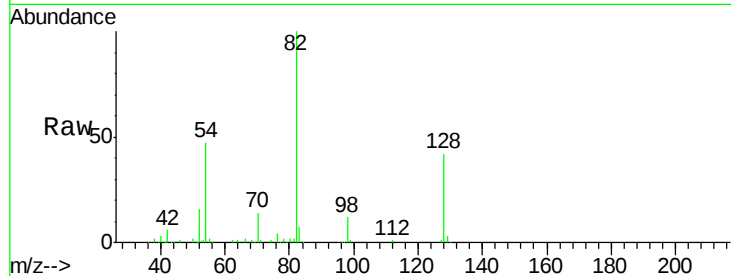
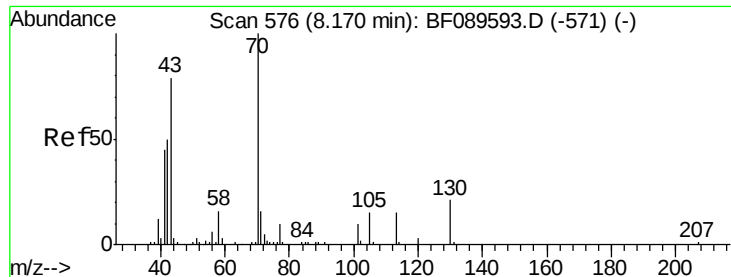
Tgt Ion: 93 Resp: 305
Ion Ratio Lower Upper
93 100
63 794.4 52.2 92.2#
95 369.0 13.1 53.1#



#15
Benzyl Alcohol
Concen: 2.44 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

Tgt Ion: 79 Resp: 5572
Ion Ratio Lower Upper
79 100
108 28.8 58.3 87.5#
77 110.2 48.7 73.1#

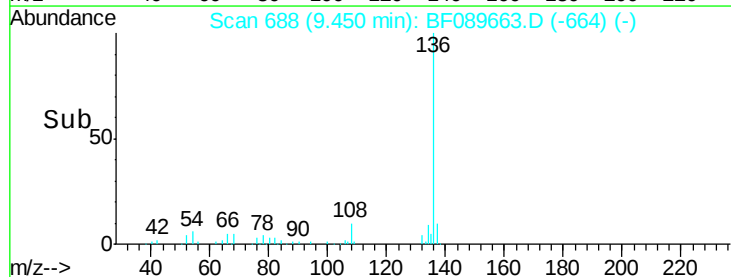
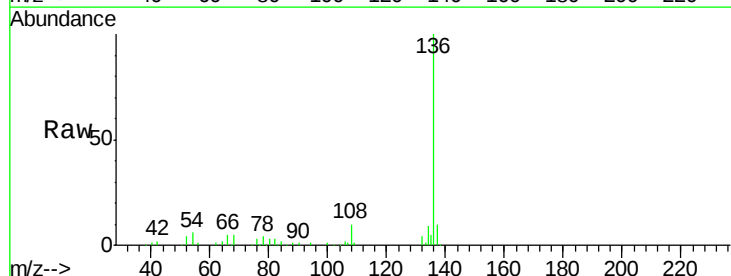
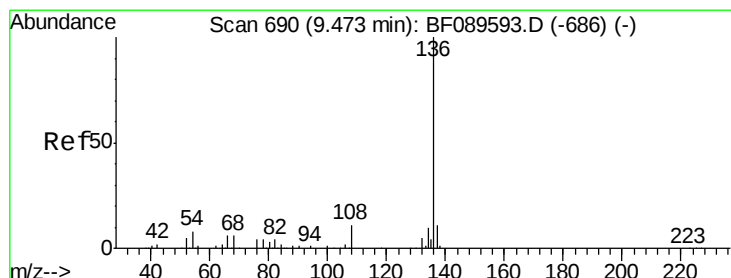
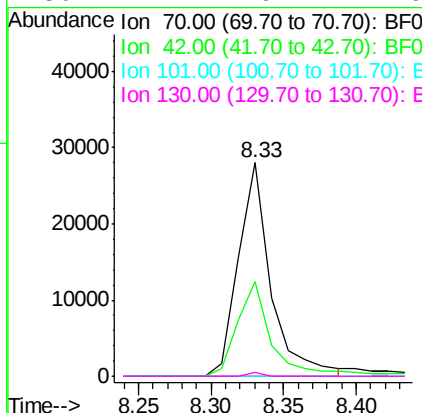




#19
n-Nitroso-di-n-propylamine
Concen: 17.37 ng
RT: 8.33 min Scan# 590
Delta R.T. 0.16 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

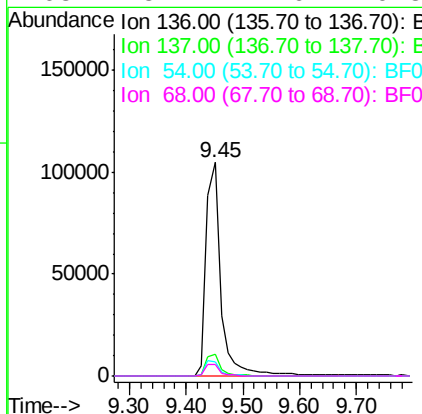
Instrument :
BNA_F
ClientSampleId :
CORE-E

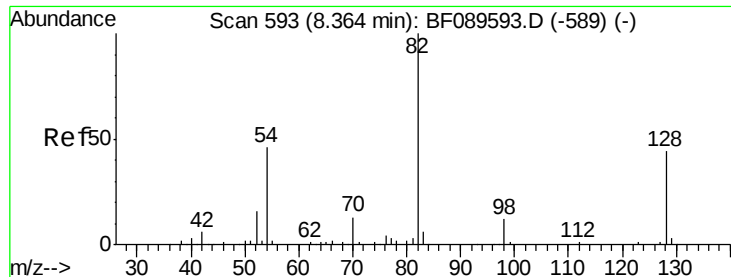
Tgt Ion: 70 Resp: 43661
Ion Ratio Lower Upper
70 100
42 44.3 40.2 60.2
101 0.0 7.8 11.6#
130 2.1 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089663.D
Acq: 8 Aug 2016 16:01

Tgt Ion: 136 Resp: 184278
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 6.3 6.0 9.0
68 5.2 4.6 6.8

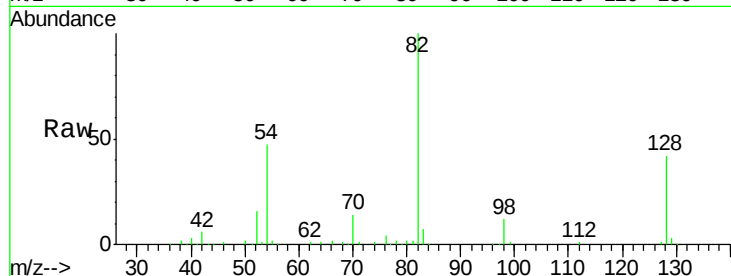




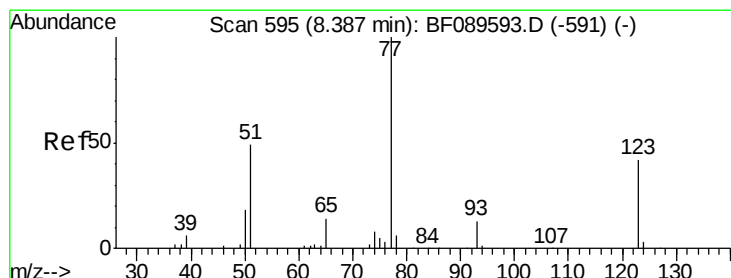
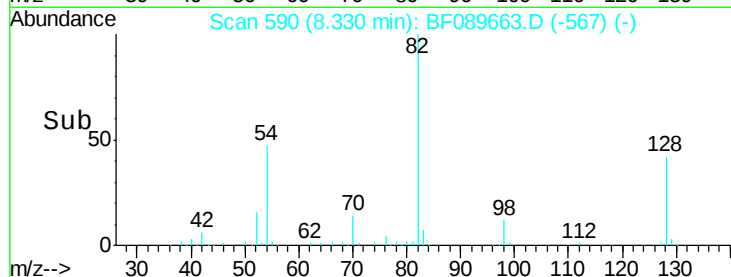
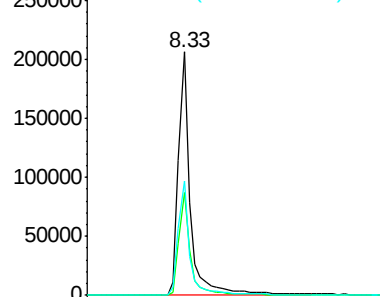
#23
 Nitrobenzene-d5
 Concen: 106.83 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Instrument :
 BNA_F
 ClientSampleId :
 CORE-E

Tgt Ion: 82 Resp: 355919
 Ion Ratio Lower Upper
 82 100
 128 42.1 35.4 53.0
 54 46.8 36.4 54.6

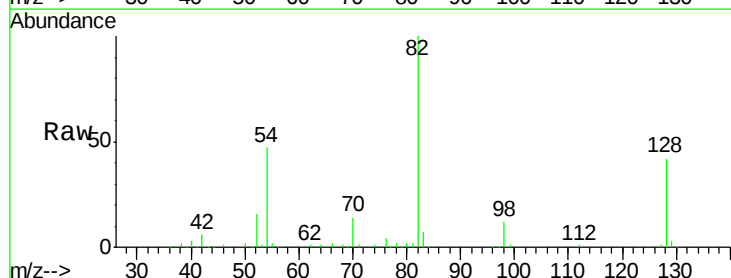


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

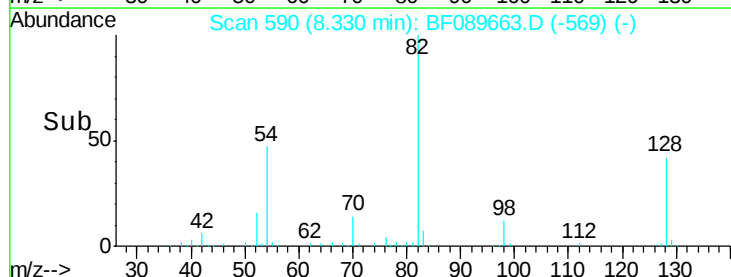
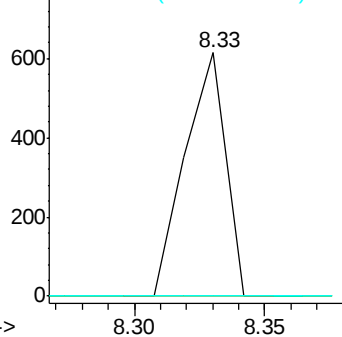


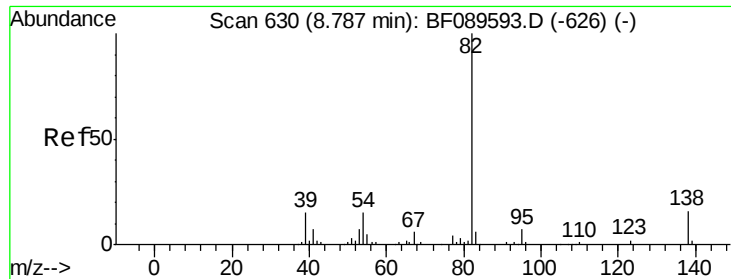
#24
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Tgt Ion: 77 Resp: 662
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.04 ng

RT: 9.00 min Scan# 649

Delta R.T. 0.22 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

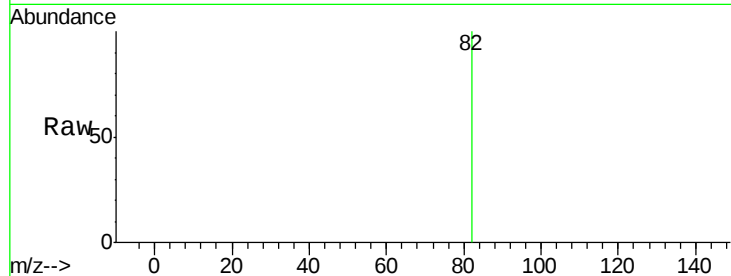
Tgt Ion: 82 Resp: 242

Ion Ratio Lower Upper

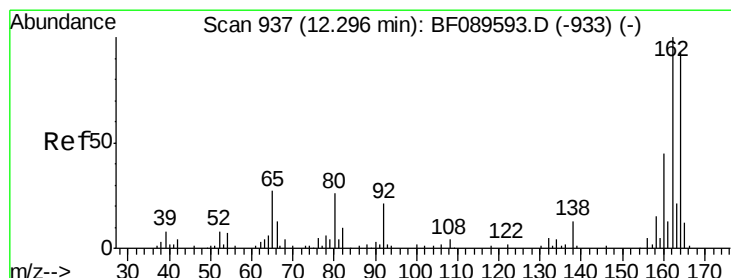
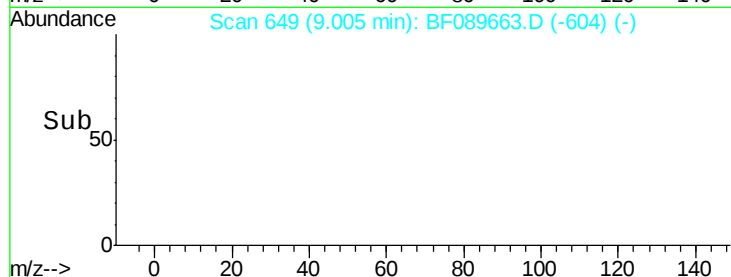
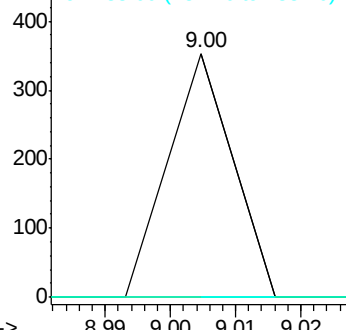
82 100

95 0.0 5.8 8.8#

138 0.0 12.6 18.8#



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: 12.26 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

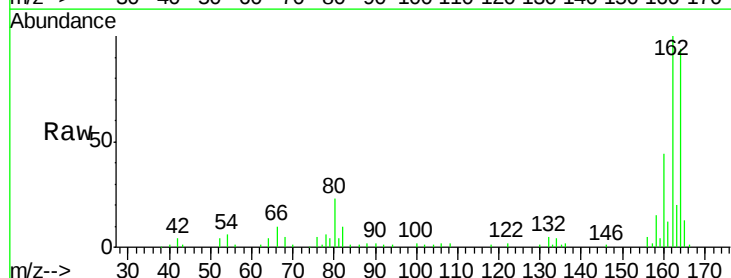
Tgt Ion: 164 Resp: 91480

Ion Ratio Lower Upper

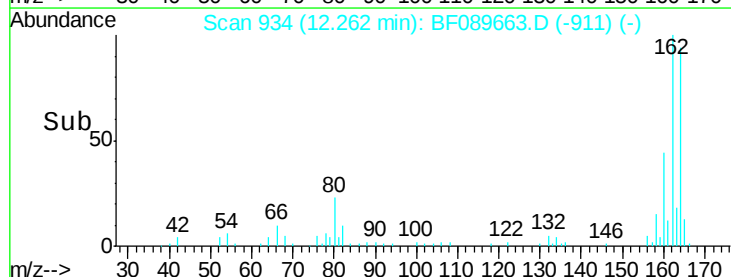
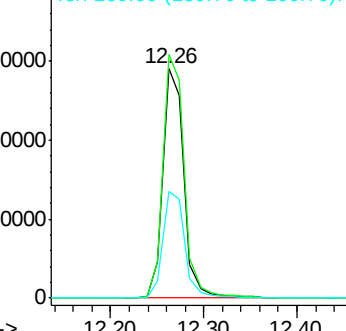
164 100

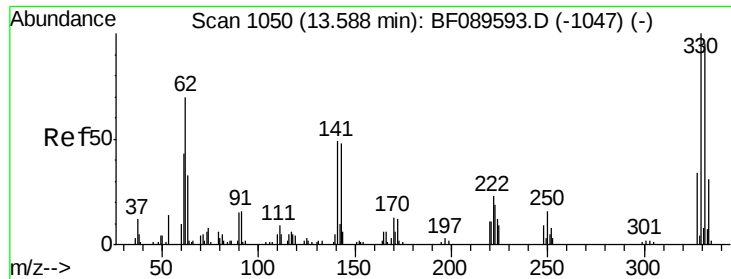
162 106.1 85.7 128.5

160 46.3 38.2 57.4



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

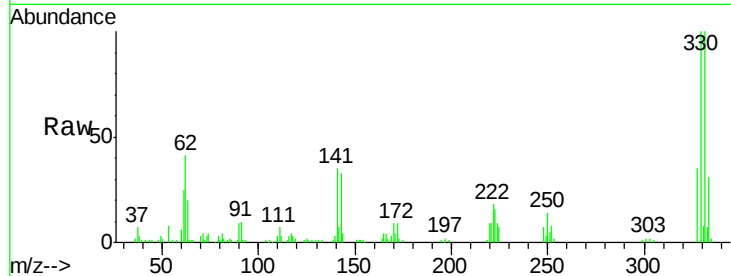




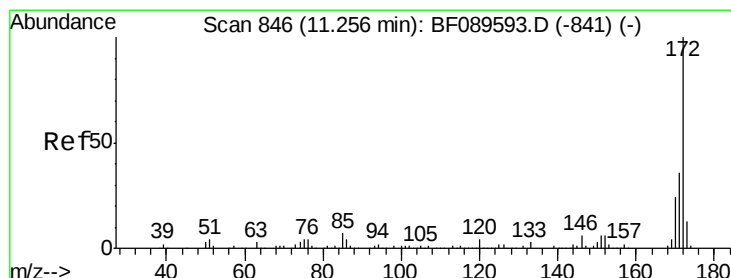
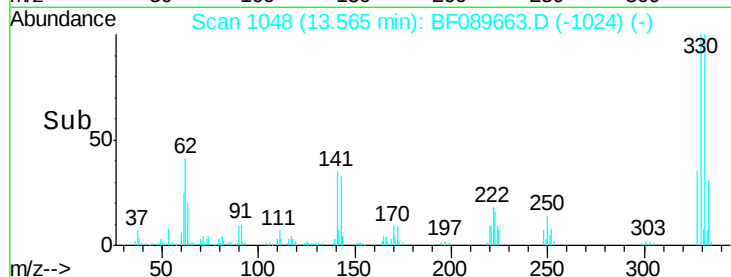
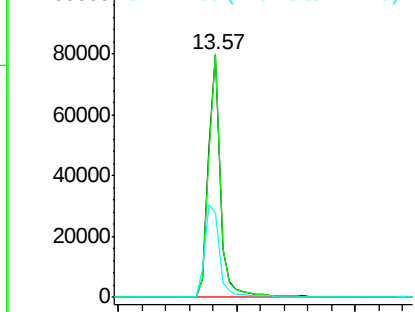
#41
 2,4,6-Tribromophenol
 Concen: 152.31 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Instrument :
 BNA_F
 ClientSampled :
 CORE-E

Tgt Ion: 330 Resp: 114981
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 47.0 38.6 57.8

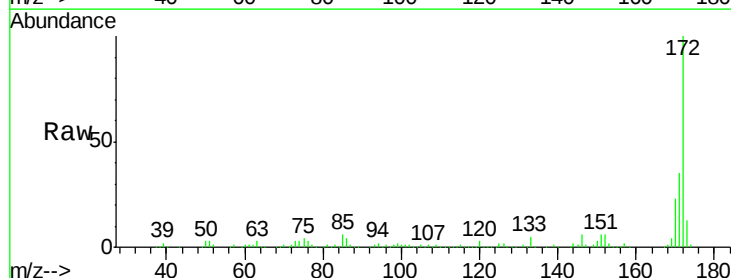


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

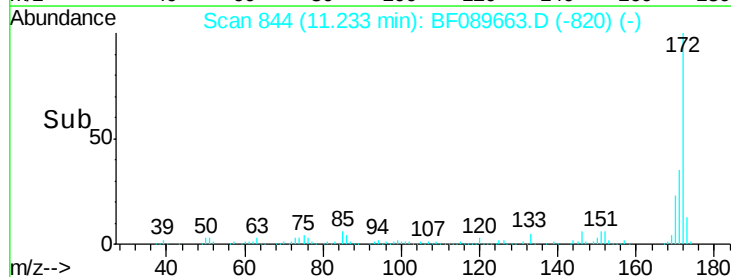
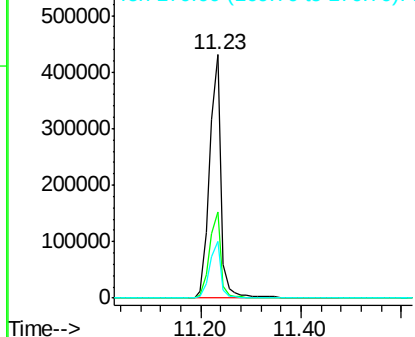


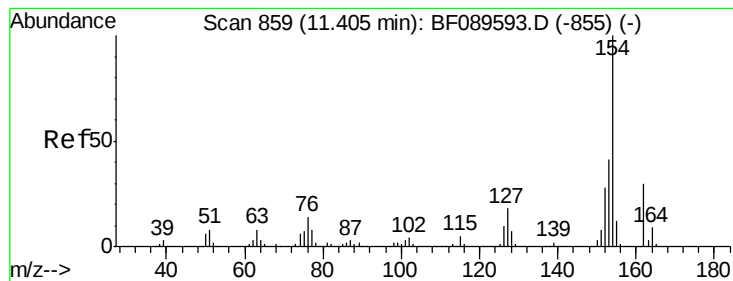
#44
 2-Fluorobiphenyl
 Concen: 97.18 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Tgt Ion: 172 Resp: 684007
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.4 19.0 28.6



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





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.17 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

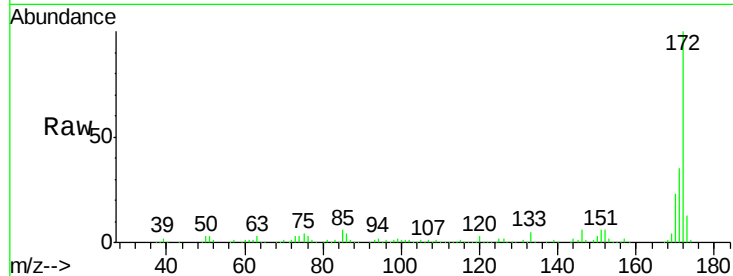
Tgt Ion:154 Resp: 1078

Ion Ratio Lower Upper

154 100

153 915.0 20.6 60.6#

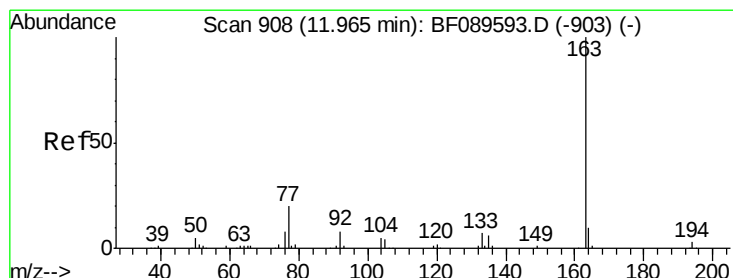
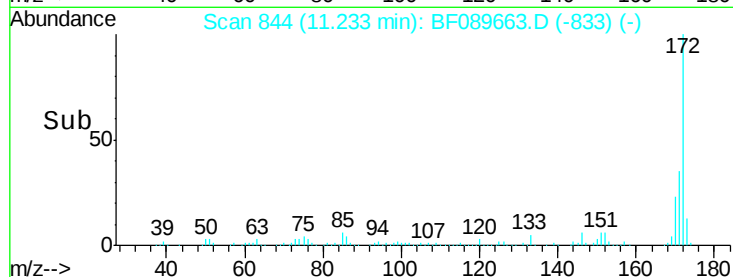
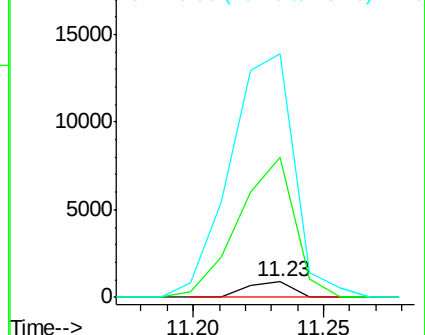
76 1587.7 0.0 33.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#49

Dimethylphthalate

Concen: 18.75 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

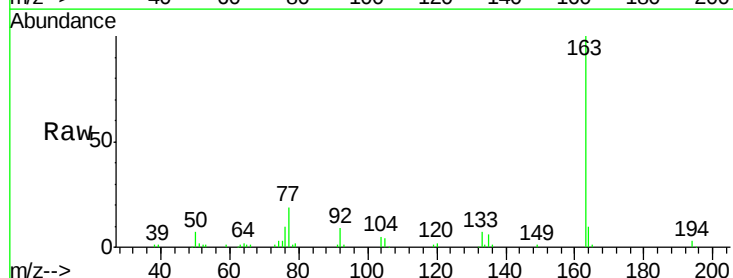
Tgt Ion:163 Resp: 134459

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

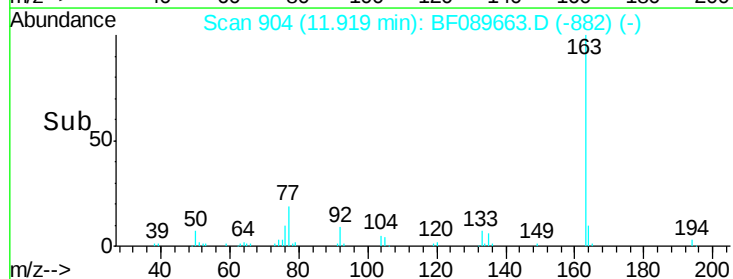
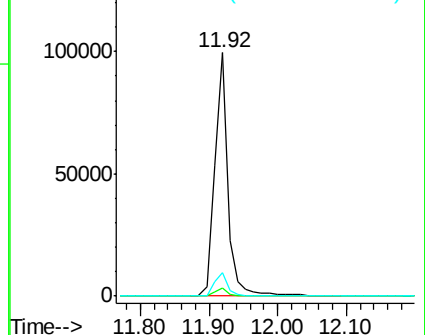
164 9.6 7.8 11.6

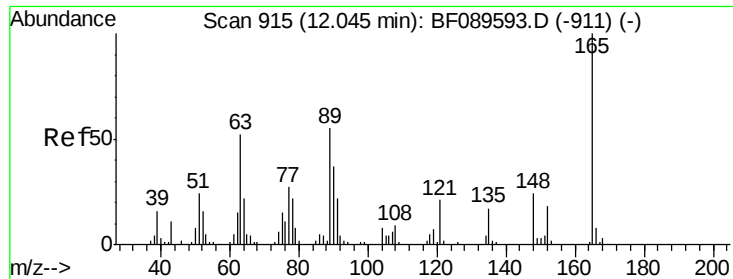


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 0.74 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.13 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

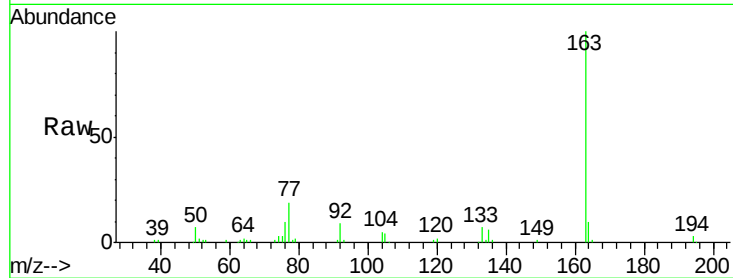
Tgt Ion:165 Resp: 1055

Ion Ratio Lower Upper

165 100

63 148.0 44.6 67.0#

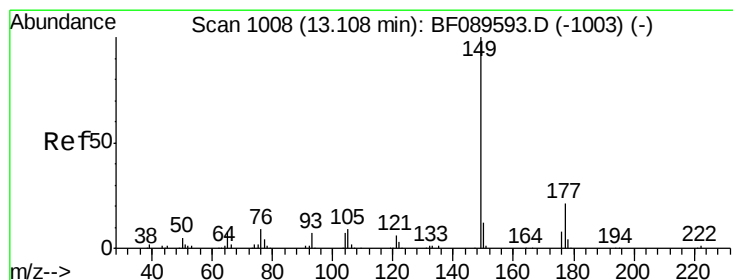
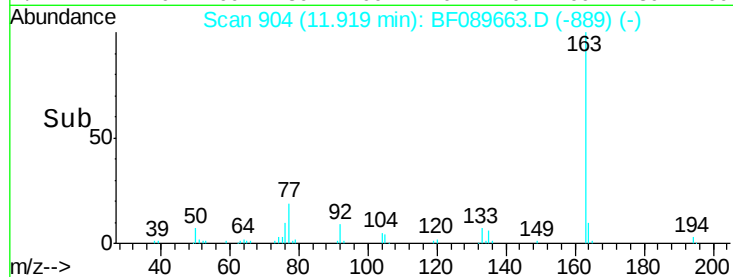
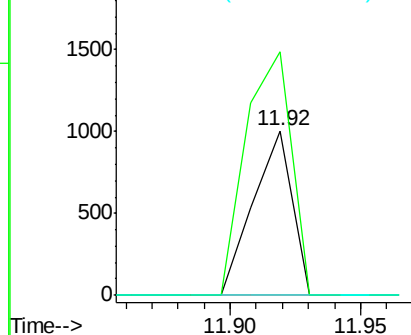
89 0.0 44.2 66.2#



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



#59

Diethylphthalate

Concen: 0.16 ng

RT: 13.06 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

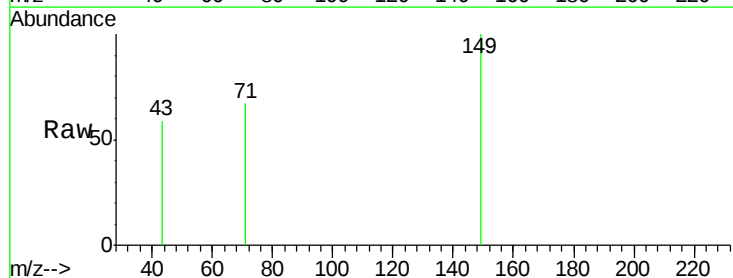
Tgt Ion:149 Resp: 1171

Ion Ratio Lower Upper

149 100

177 0.0 16.8 25.2#

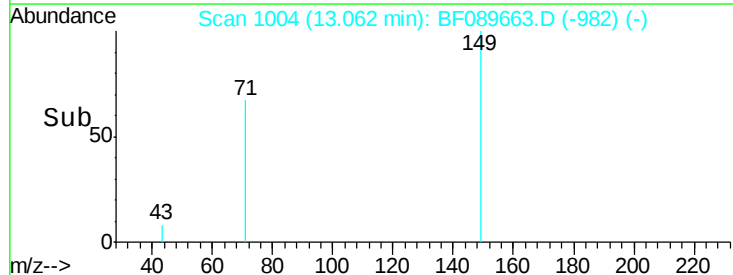
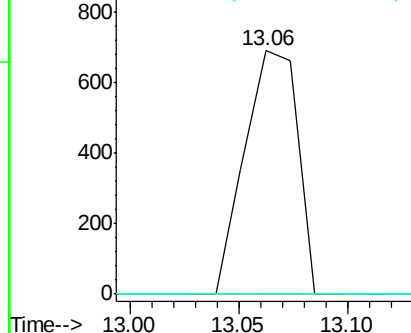
150 0.0 9.6 14.4#

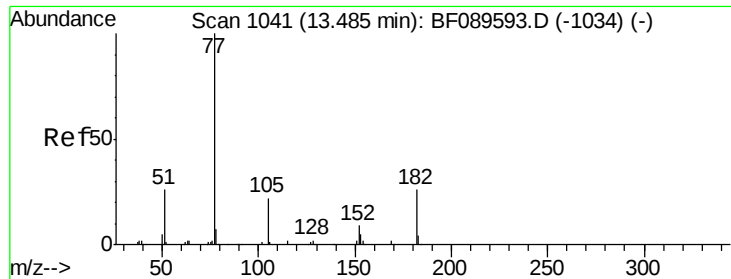


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.08 ng

RT: 13.55 min Scan# 1047

Delta R.T. 0.07 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

Tgt Ion: 77 Resp: 597

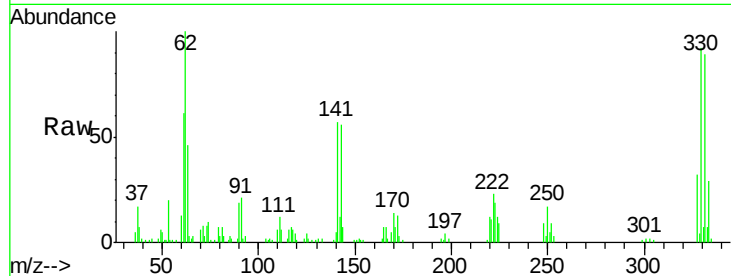
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 88.7 2.9 42.9#

51 94.1 7.2 47.2#

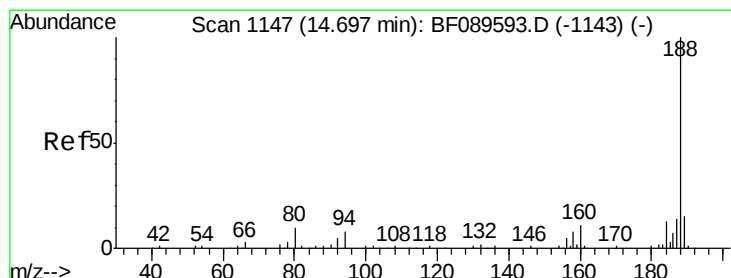
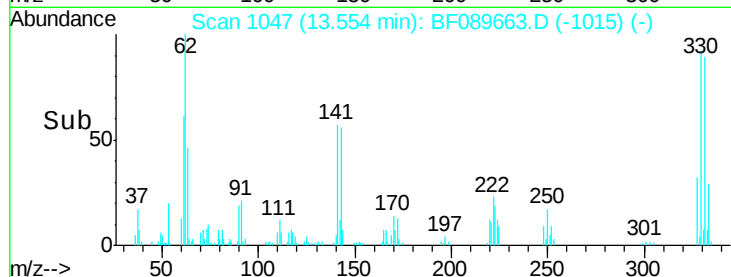
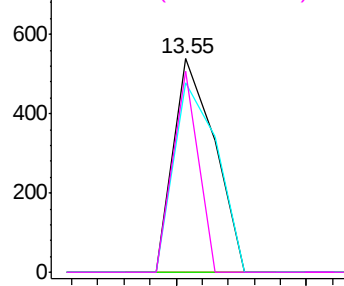


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

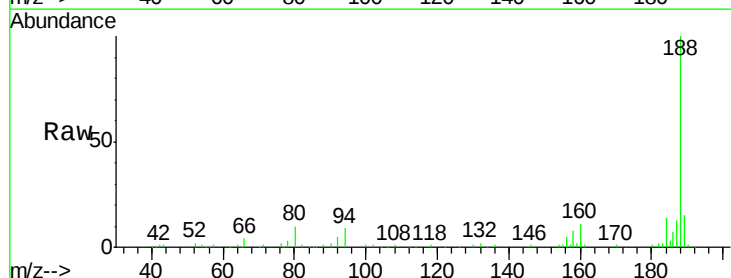
Tgt Ion: 188 Resp: 186395

Ion Ratio Lower Upper

188 100

94 9.3 6.5 9.7

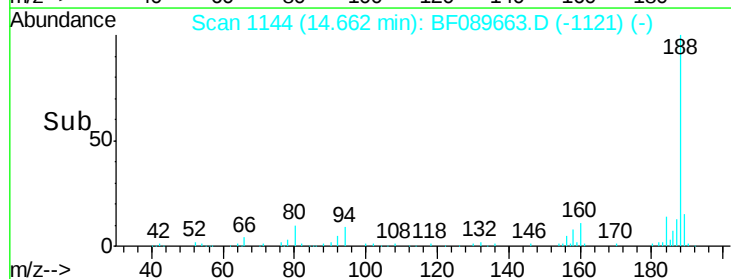
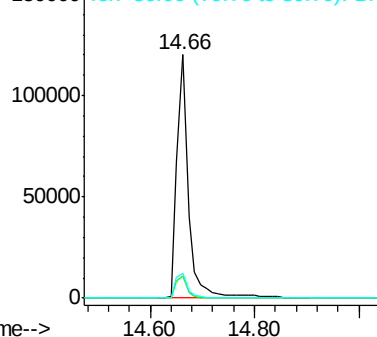
80 10.0 8.0 12.0

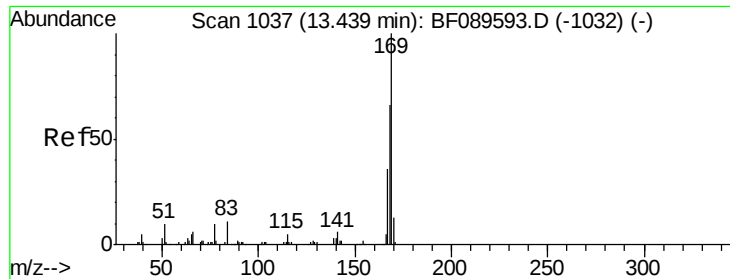


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

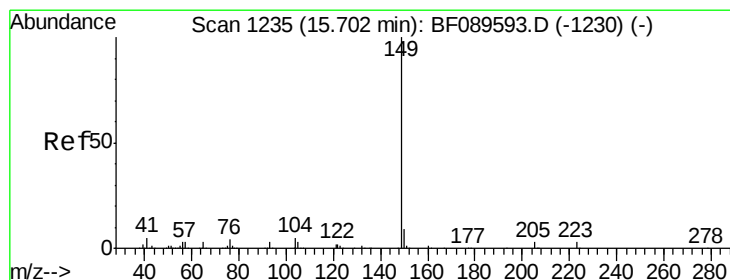
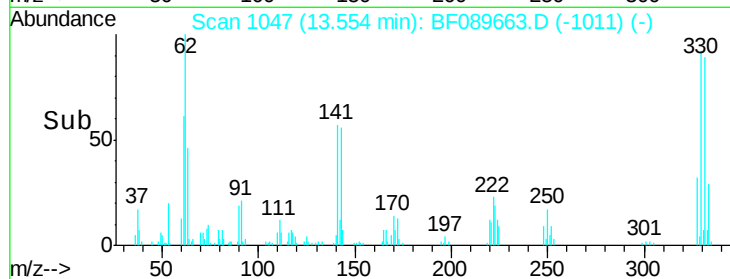
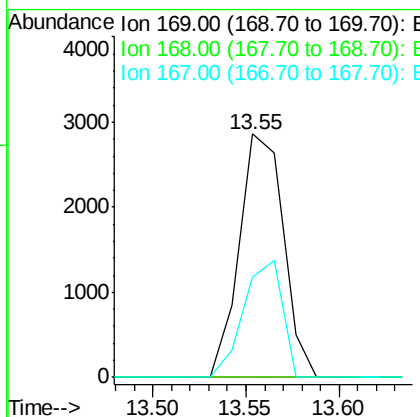
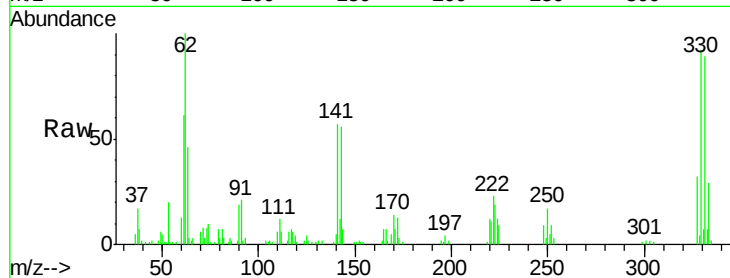




#65
 n-Nitrosodiphenylamine
 Concen: 0.75 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. 0.11 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

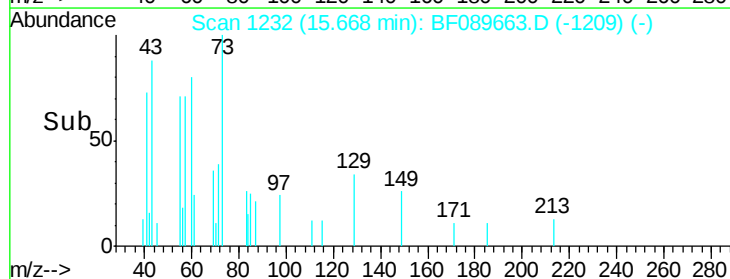
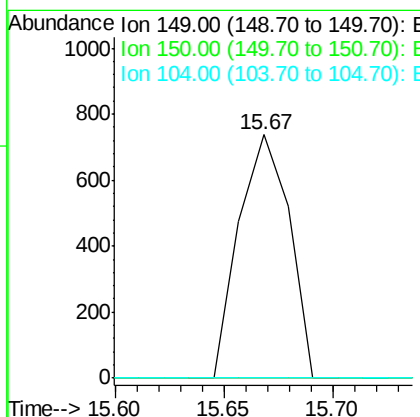
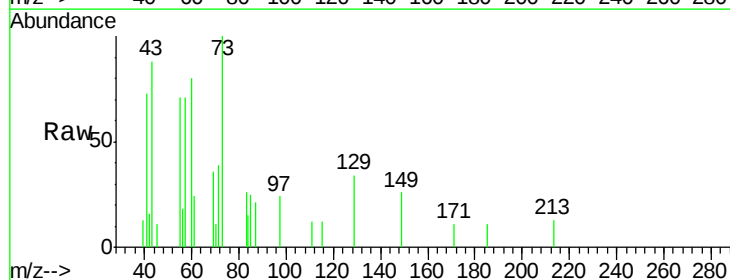
Instrument :
 BNA_F
 ClientSampleId :
 CORE-E

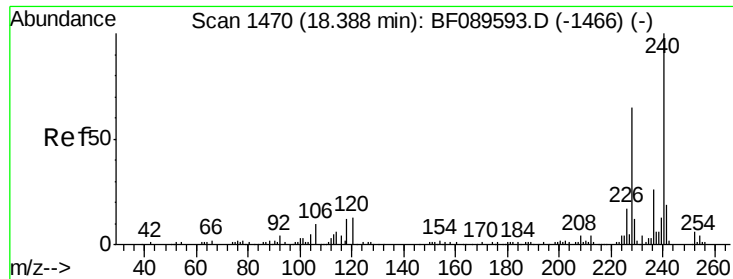
Tgt Ion:169 Resp: 4703
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.2 81.2#
 167 41.1 28.9 43.3



#73
 Di-n-butylphthalate
 Concen: 0.10 ng
 RT: 15.67 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Tgt Ion:149 Resp: 1189
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.2 10.8#
 104 0.0 3.8 5.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.37 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

Instrument :

BNA_F

ClientSampleId :

CORE-E

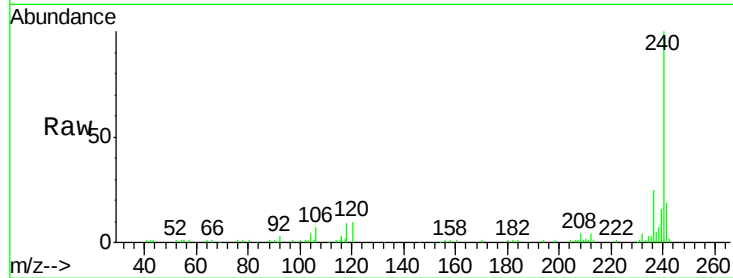
Tgt Ion:240 Resp: 148465

Ion Ratio Lower Upper

240 100

120 9.9 10.6 15.8#

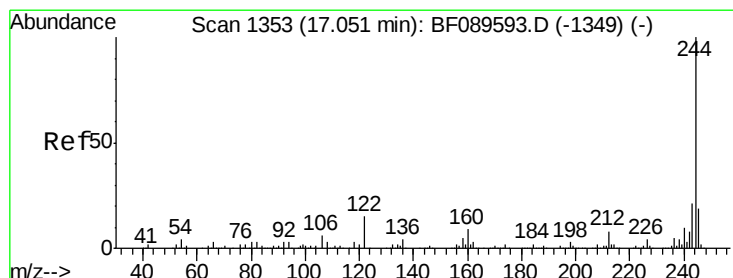
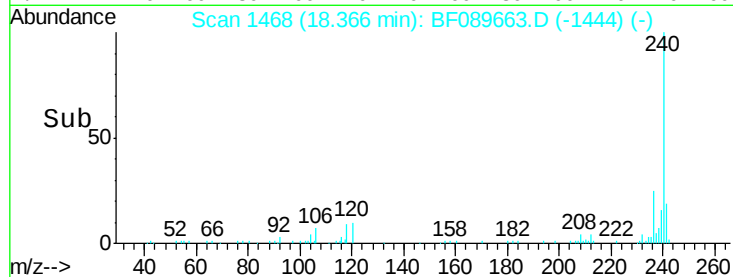
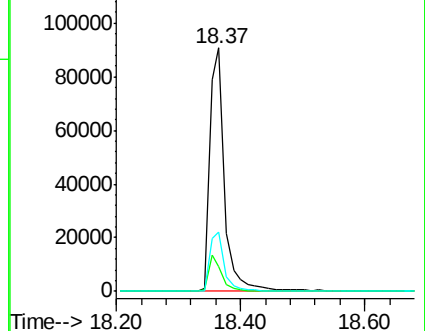
236 24.6 20.6 30.8



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: 82.40 ng

RT: 17.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF089663.D

Acq: 8 Aug 2016 16:01

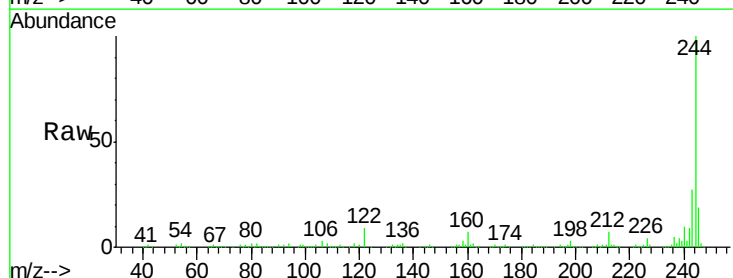
Tgt Ion:244 Resp: 619710

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

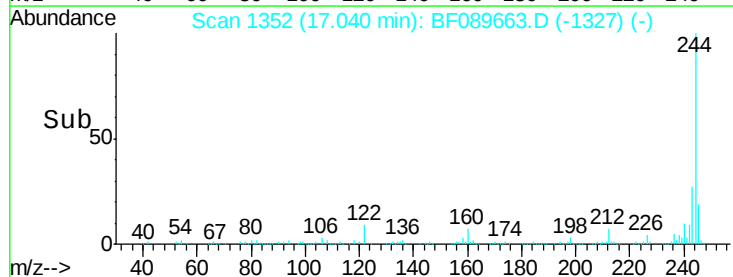
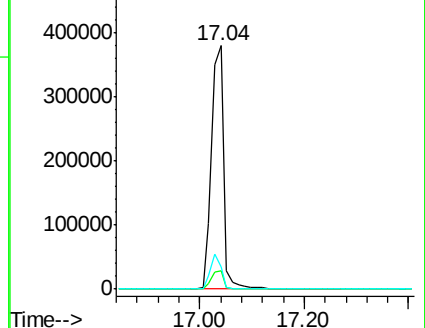
122 9.3 12.2 18.2#

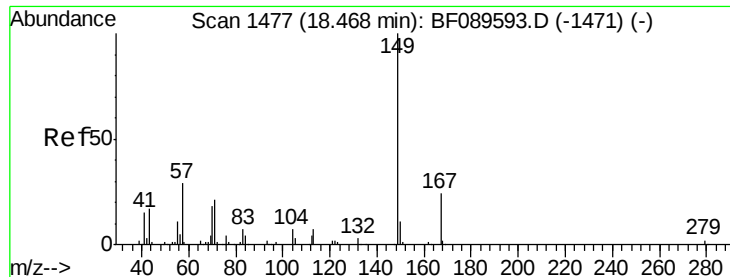


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

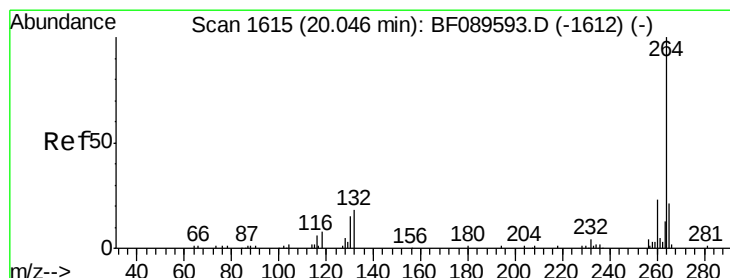
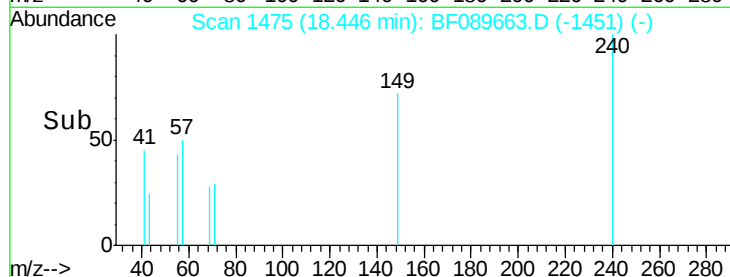
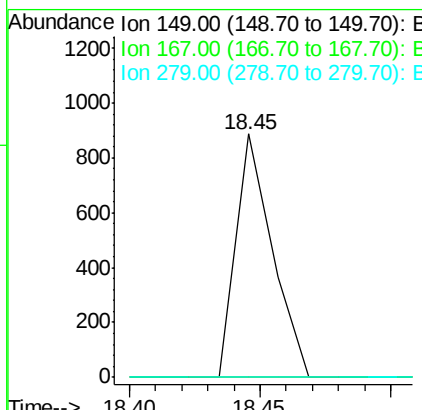
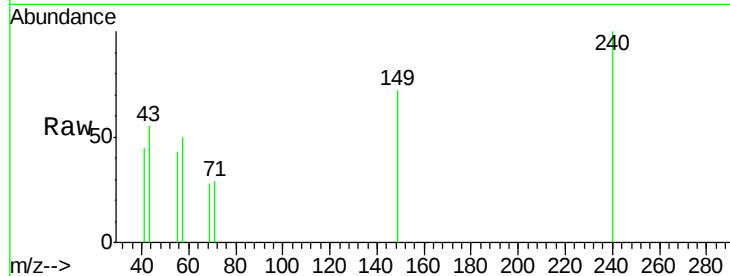




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.11 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Instrument :
 BNA_F
 ClientSampleId :
 CORE-E

Tgt Ion:149 Resp: 860
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.0 28.4#
 279 0.0 1.8 2.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF089663.D
 Acq: 8 Aug 2016 16:01

Tgt Ion:264 Resp: 104877
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.3 16.5 24.7

