

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091069.D
 Acq On : 7 Nov 2016 21:17
 Operator : UM/SJ
 Sample : H5565-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRITTON-LAWRENCEVILLE-NJ

Quant Time: Nov 07 23:58:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	211875	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	733261	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	355514	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	542638	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	442785	20.00	ng	-0.03
86) Perylene-d12	15.22	264	365806	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1252186	97.61	ng	-0.02
7) Phenol-d6	6.33	99	1705711	97.96	ng	-0.02
23) Nitrobenzene-d5	7.24	82	761453	56.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	255758	79.57	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	1570393	76.05	ng	-0.02
78) Terphenyl-d14	12.78	244	1264494	71.26	ng	-0.02

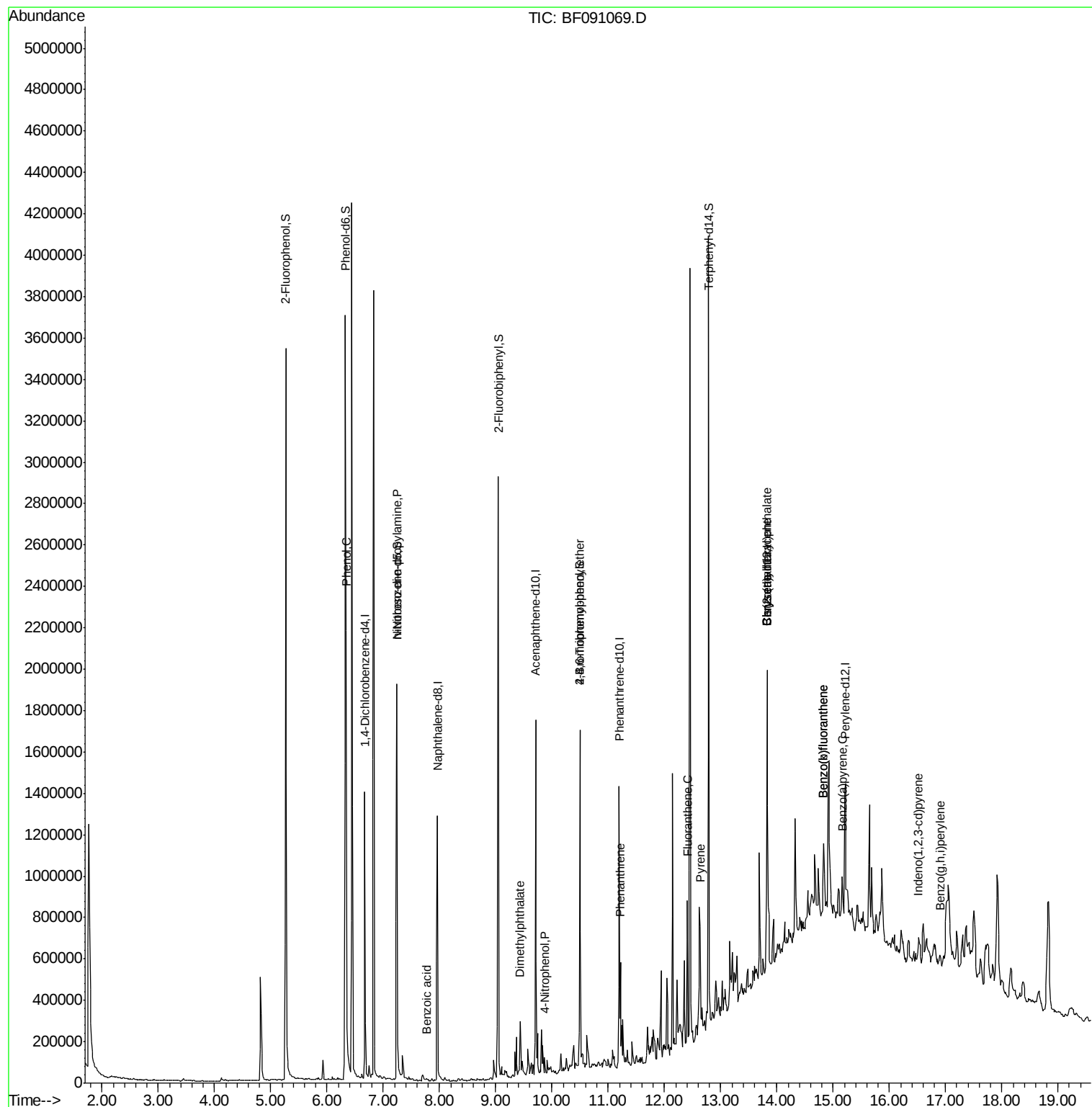
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.34	94	127156	6.60	ng	81
19) n-Nitroso-di-n-propylamine	7.24	70	108981	9.03	ng	# 76
32) Benzoic acid	7.77	122	442	5.12	ng	# 71
49) Dimethylphthalate	9.44	163	108891	4.67	ng	99
55) 4-Nitrophenol	9.87	139	363	5.82	ng	# 28
66) 4-Bromophenyl-phenylether	10.50	248	15293	2.71	ng	# 1
70) Phenanthrene	11.22	178	206249	7.15	ng	97
74) Fluoranthene	12.41	202	376358	12.58	ng	90
77) Pyrene	12.64	202	325471	11.22	ng	96
80) Benzo(a)anthracene	13.83	228	165348	6.58	ng	96
82) Chrysene	13.83	228	165348	6.67	ng	98
83) Bis(2-ethylhexyl)phthalate	13.83	149	40942	2.18	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.51	276	57966	2.82	ng	# 91
87) Benzo(b)fluoranthene	14.83	252	227102	9.15	ng	# 91
88) Benzo(k)fluoranthene	14.83	252	227102	10.43	ng	# 95
89) Benzo(a)pyrene	15.16	252	110139	5.10	ng	# 93
91) Benzo(g,h,i)perylene	16.90	276	52057	3.08	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Instrument :

BNA_F

ClientSampleId :

BRITTON-LAWRENCEVILLE-NJ

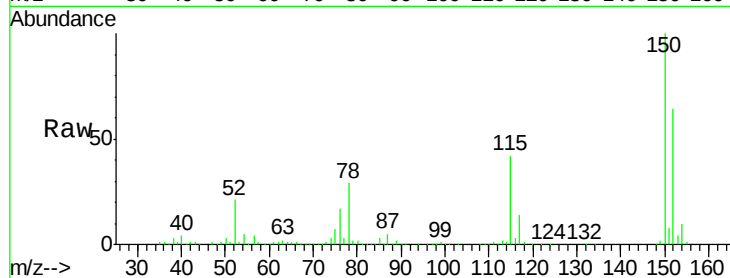
Tgt Ion:152 Resp: 211875

Ion Ratio Lower Upper

152 100

150 156.6 126.8 190.2

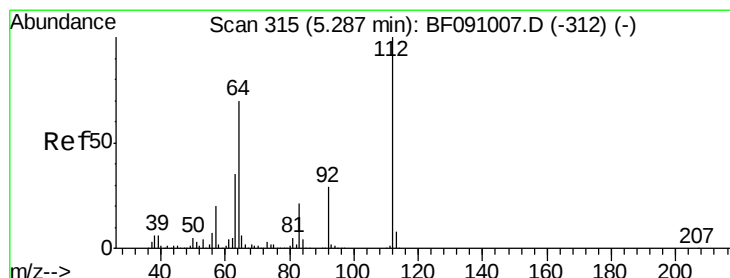
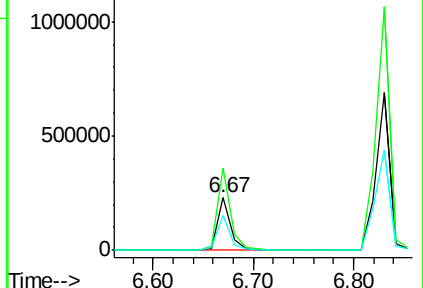
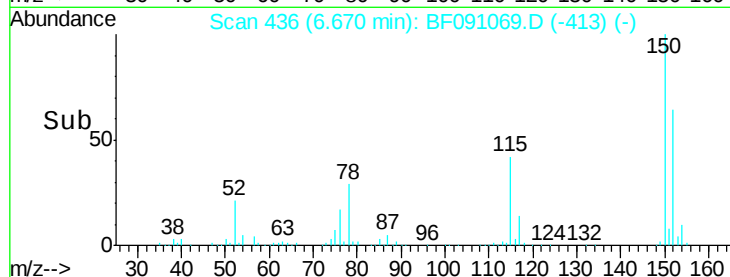
115 65.4 53.3 79.9



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: 97.61 ng

RT: 5.26 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

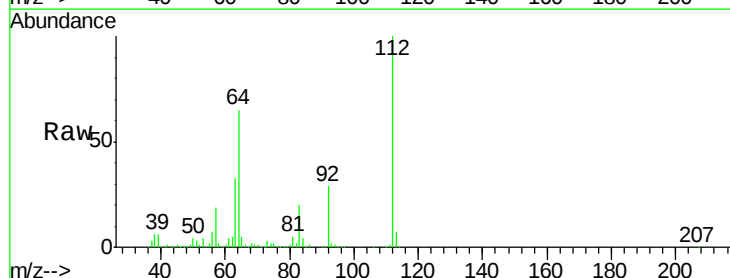
Tgt Ion:112 Resp: 1252186

Ion Ratio Lower Upper

112 100

64 65.3 55.8 83.6

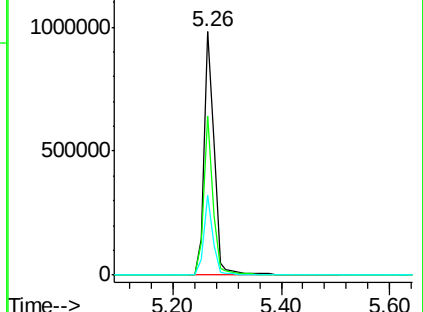
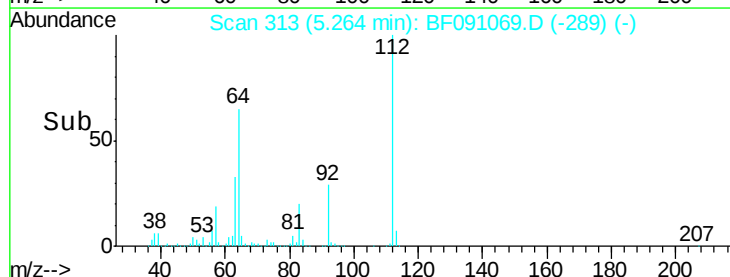
63 32.7 28.0 42.0

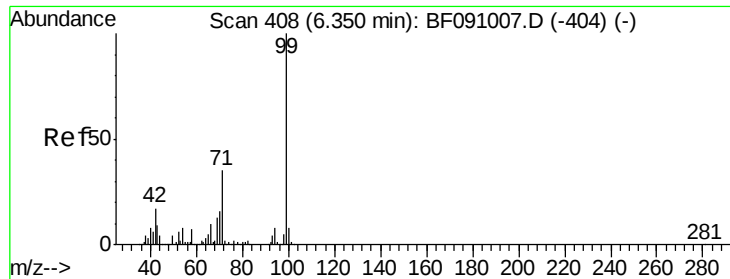


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.96 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Instrument :

BNA_F

ClientSampleId :

BRITTON-LAWRENCEVILLE-NJ

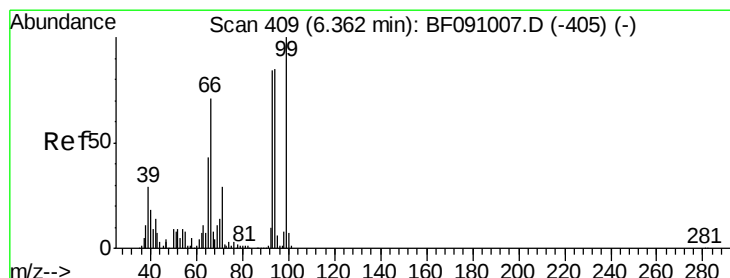
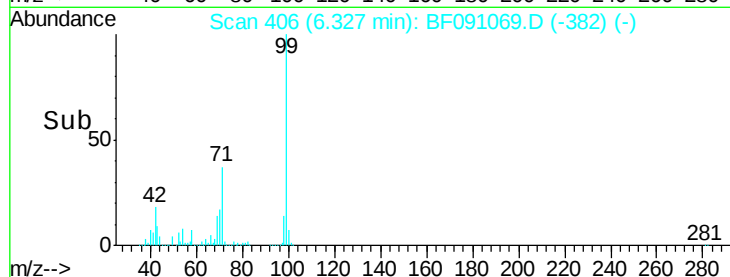
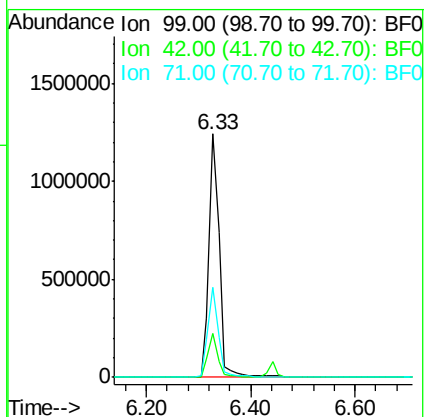
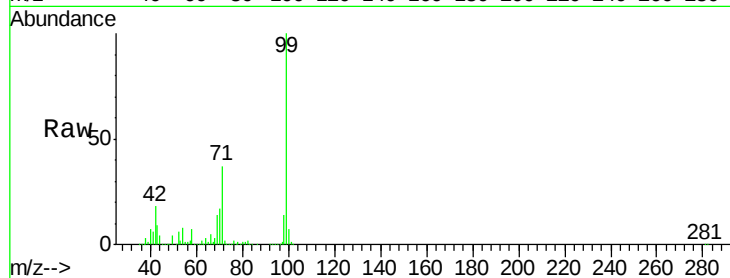
Tgt Ion: 99 Resp: 1705711

Ion Ratio Lower Upper

99 100

42 18.2 13.9 20.9

71 37.1 27.8 41.8



#10

Phenol

Concen: 6.60 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

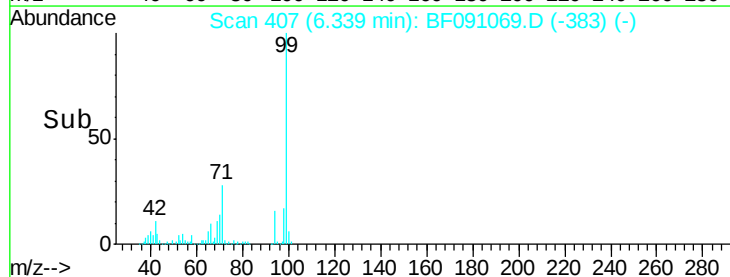
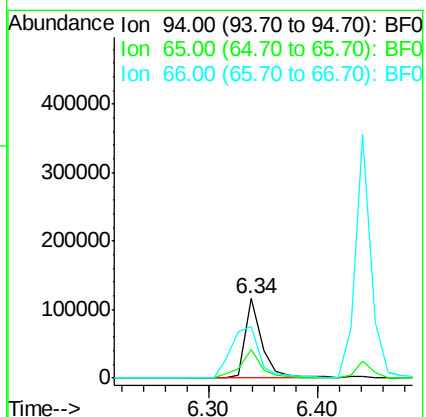
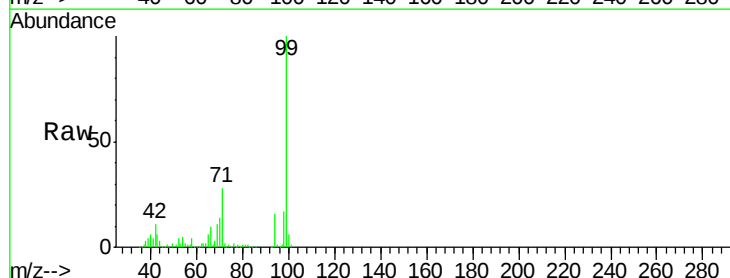
Tgt Ion: 94 Resp: 127156

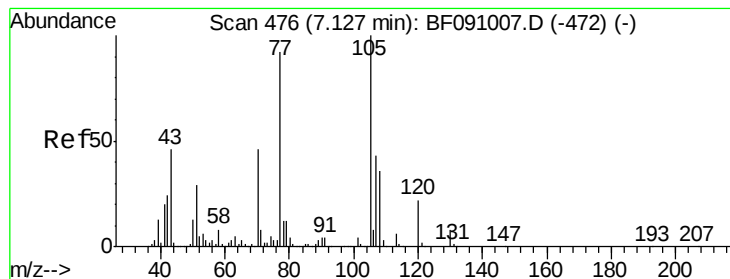
Ion Ratio Lower Upper

94 100

65 36.9 30.4 70.4

66 65.5 62.9 102.9





#19

n-Nitroso-di-n-propylamine

Concen: 9.03 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Instrument :

BNA_F

ClientSampleId :

BRITTON-LAWRENCEVILLE-NJ

Tgt Ion: 70 Resp: 108981

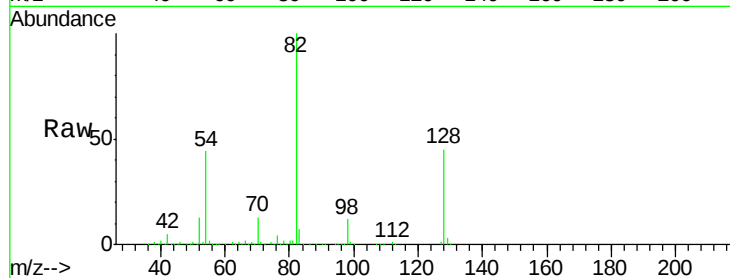
Ion Ratio Lower Upper

70 100

42 37.3 41.7 62.5#

101 0.0 6.7 10.1#

130 2.2 13.8 20.8#

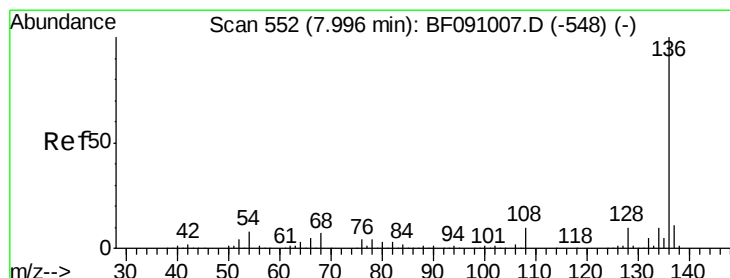
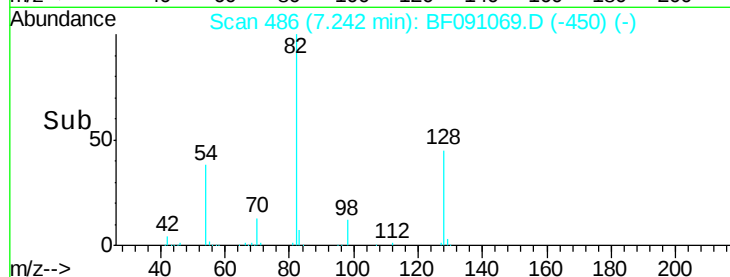
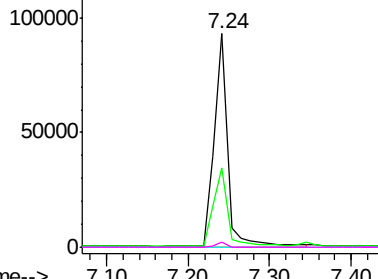


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Tgt Ion: 136 Resp: 733261

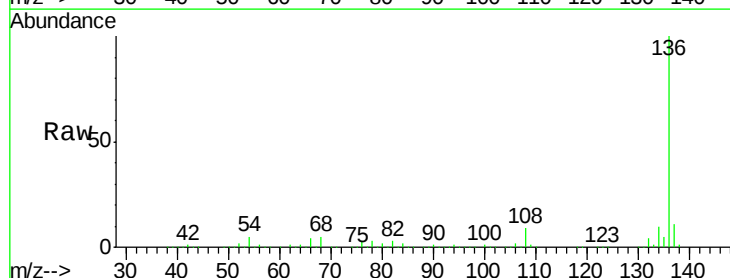
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 4.7 6.2 9.2#

68 4.7 5.5 8.3#

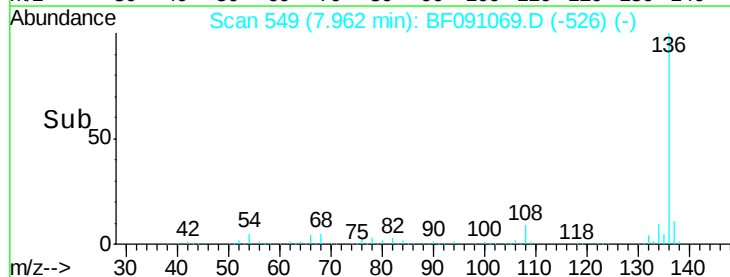
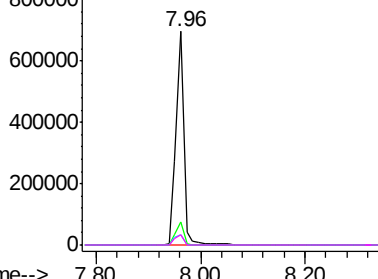


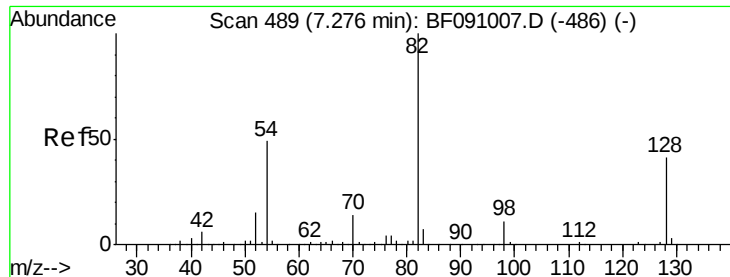
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

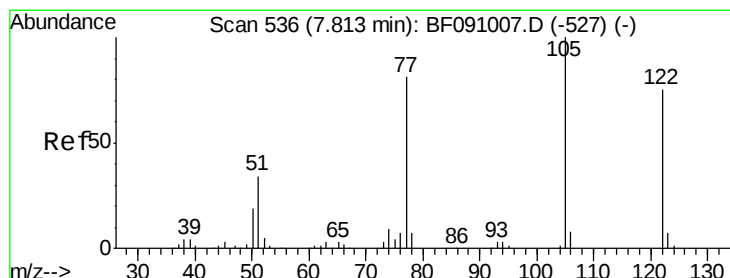
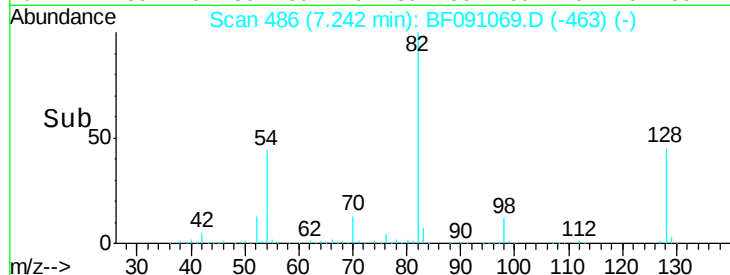
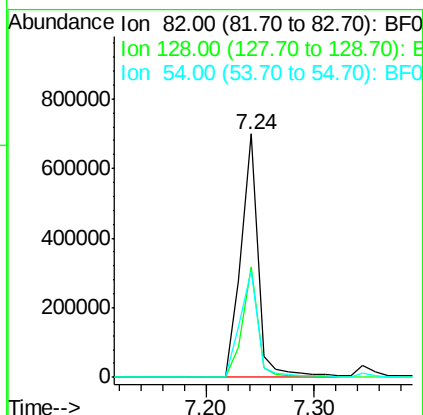
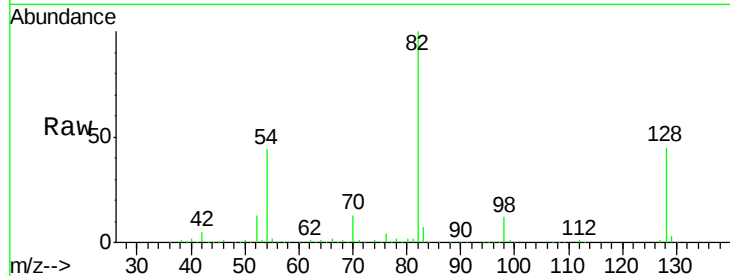




#23
Nitrobenzene-d5
Concen: 56.65 ng
RT: 7.24 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF091069.D
Acq: 7 Nov 2016 21:17

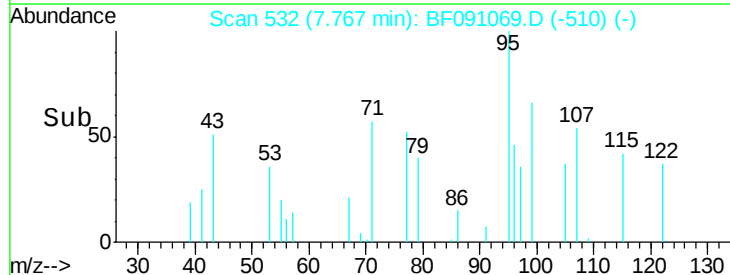
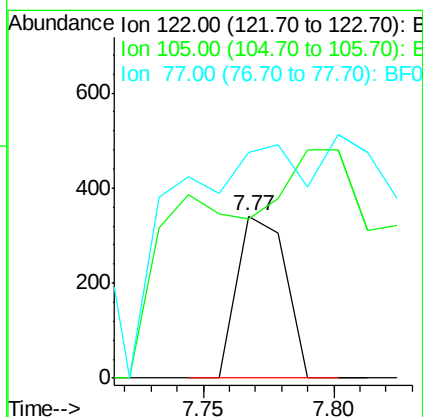
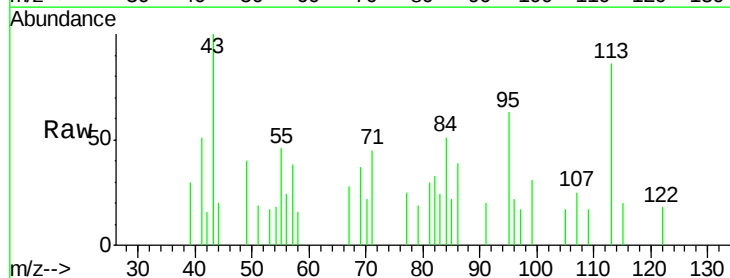
Instrument :
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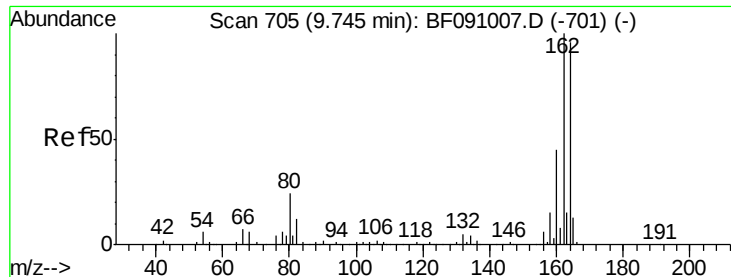
Tgt Ion: 82 Resp: 761453
Ion Ratio Lower Upper
82 100
128 45.2 32.4 48.6
54 44.0 39.2 58.8



#32
Benzoic acid
Concen: 5.12 ng
RT: 7.77 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF091069.D
Acq: 7 Nov 2016 21:17

Tgt Ion: 122 Resp: 442
Ion Ratio Lower Upper
122 100
105 98.5 105.9 145.9#
77 139.3 84.0 124.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Instrument :

BNA_F

ClientSampleId :

BRITTON-LAWRENCEVILLE-NJ

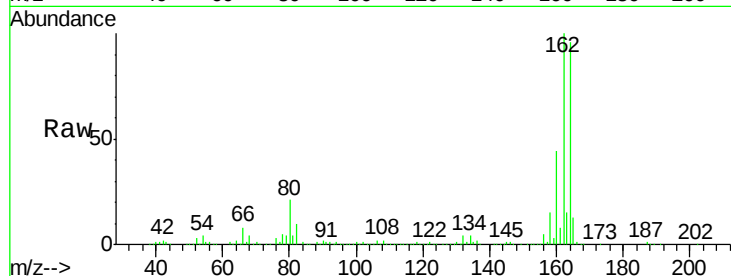
Tgt Ion:164 Resp: 355514

Ion Ratio Lower Upper

164 100

162 104.1 83.6 125.4

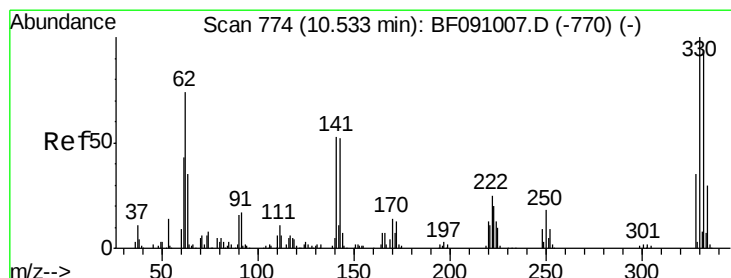
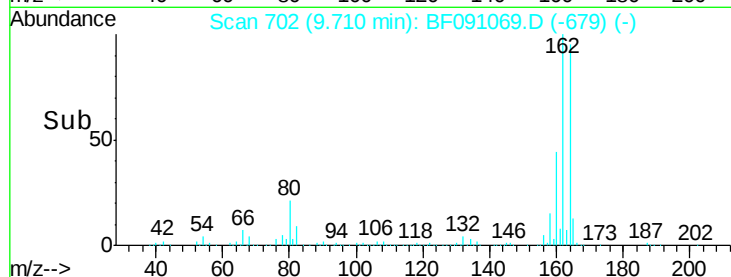
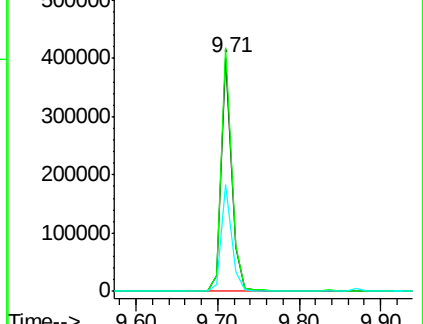
160 45.9 37.9 56.9



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: 79.57 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

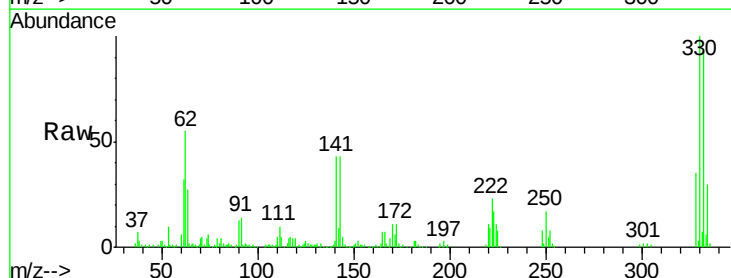
Tgt Ion:330 Resp: 255758

Ion Ratio Lower Upper

330 100

332 95.5 75.9 113.9

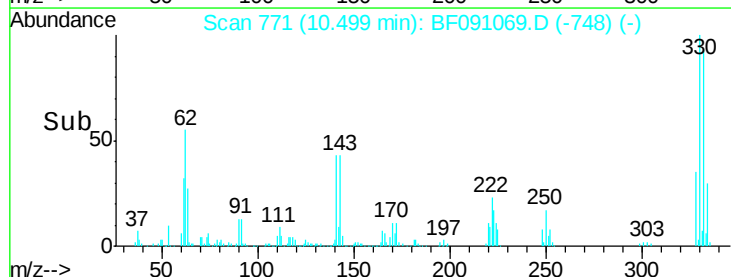
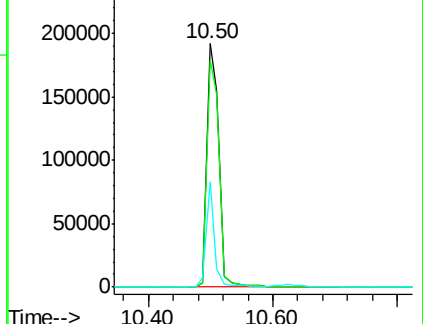
141 29.4 36.1 54.1#

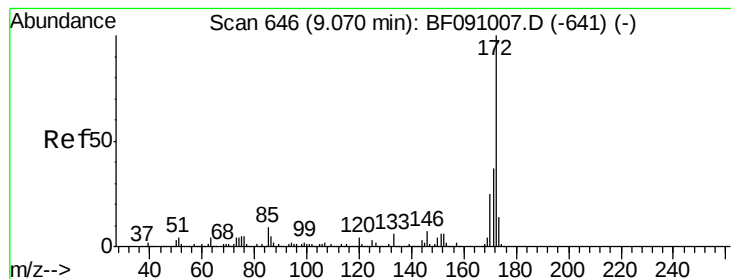


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

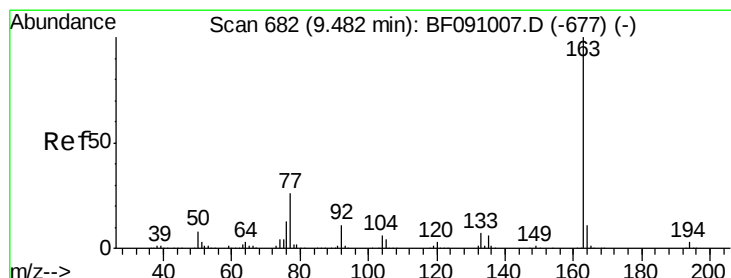
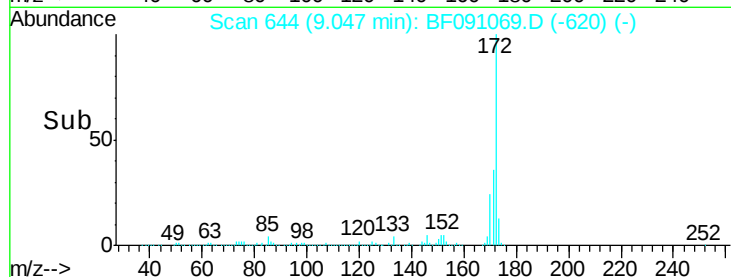
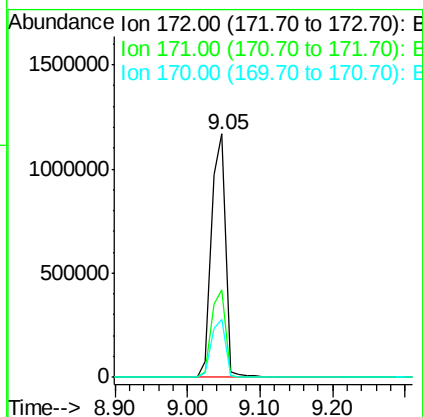
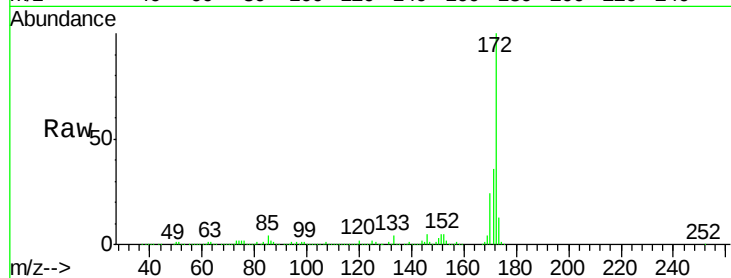




#44
 2-Fluorobiphenyl
 Concen: 76.05 ng
 RT: 9.05 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF091069.D
 Acq: 7 Nov 2016 21:17

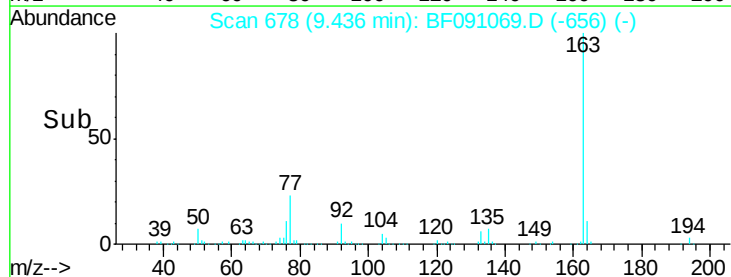
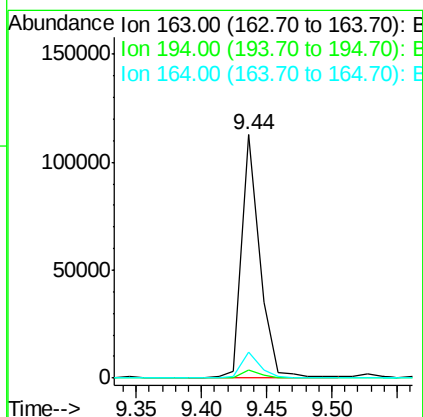
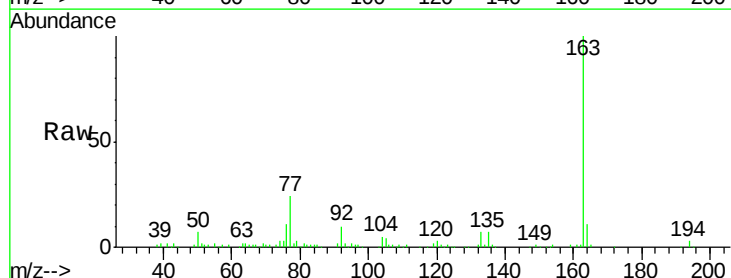
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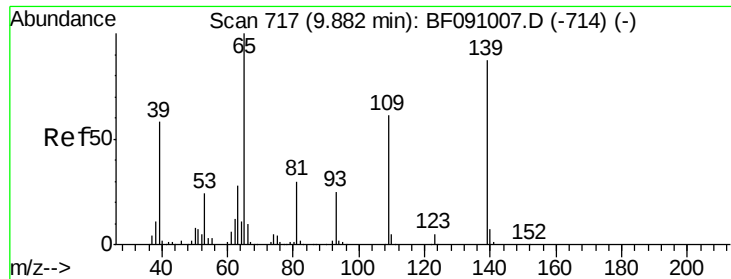
Tgt Ion:172 Resp: 1570393
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.8 44.6
 170 24.0 20.3 30.5



#49
 Dimethylphthalate
 Concen: 4.67 ng
 RT: 9.44 min Scan# 678
 Delta R.T. -0.05 min
 Lab File: BF091069.D
 Acq: 7 Nov 2016 21:17

Tgt Ion:163 Resp: 108891
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.6 8.7 13.1

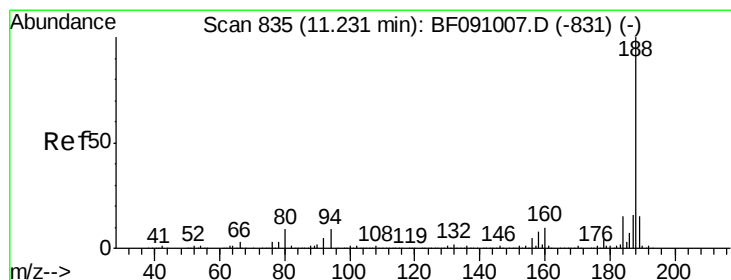
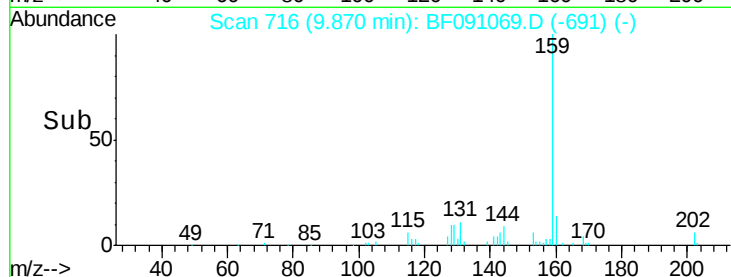
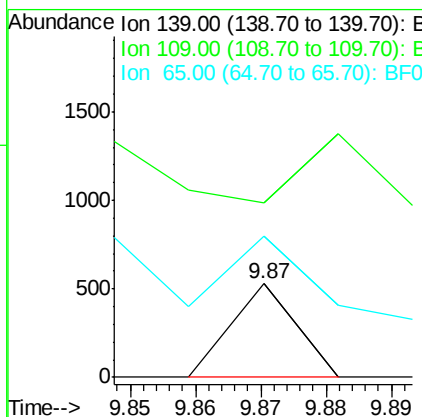
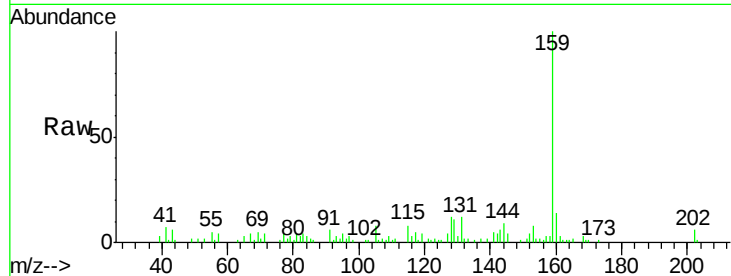




#55
4-Nitrophenol
Concen: 5.82 ng
RT: 9.87 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF091069.D
Acq: 7 Nov 2016 21:17

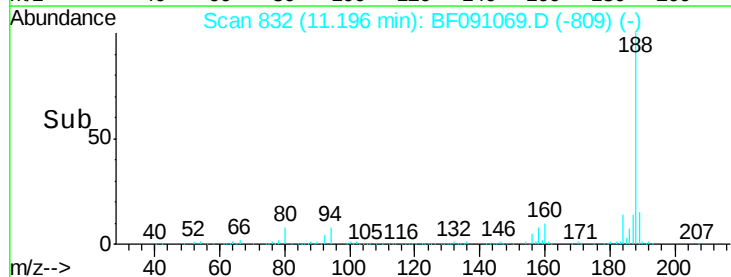
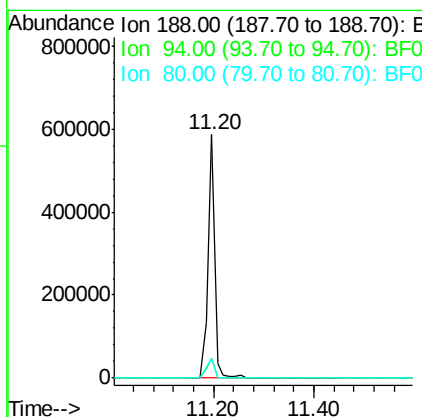
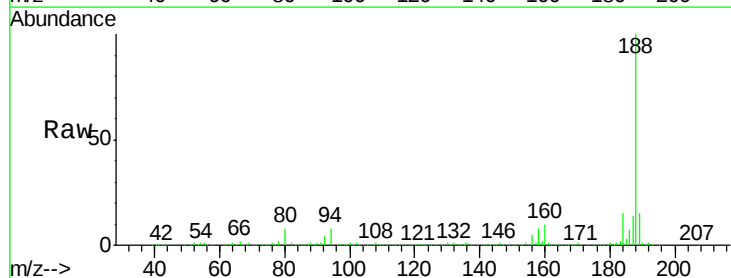
Instrument :
BNA_F
ClientSampleId :
BRITTON-LAWRENCEVILLE-NJ

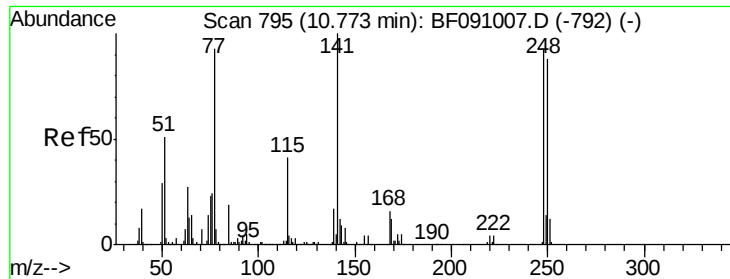
Tgt Ion:139 Resp: 363
Ion Ratio Lower Upper
139 100
109 186.4 50.5 90.5#
65 150.3 97.1 137.1#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF091069.D
Acq: 7 Nov 2016 21:17

Tgt Ion:188 Resp: 542638
Ion Ratio Lower Upper
188 100
94 7.8 7.0 10.4
80 8.0 7.5 11.3





#66

4-Bromophenyl-phenylether

Concen: 2.71 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

Instrument :

BNA_F

ClientSampleId :

BRITTON-LAWRENCEVILLE-NJ

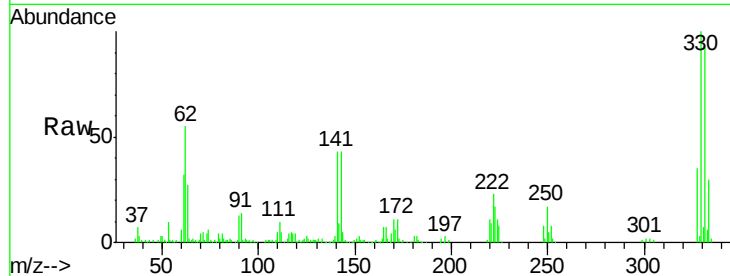
Tgt Ion:248 Resp: 15293

Ion Ratio Lower Upper

248 100

250 208.3 76.3 114.5#

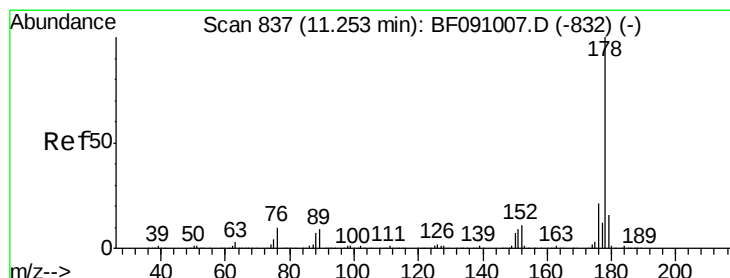
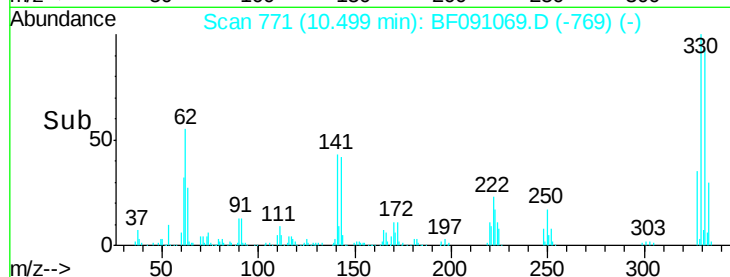
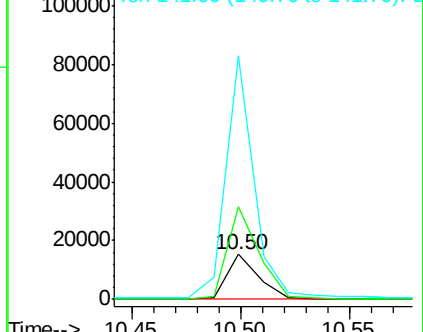
141 545.5 86.8 130.2#



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



#70

Phenanthrene

Concen: 7.15 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.03 min

Lab File: BF091069.D

Acq: 7 Nov 2016 21:17

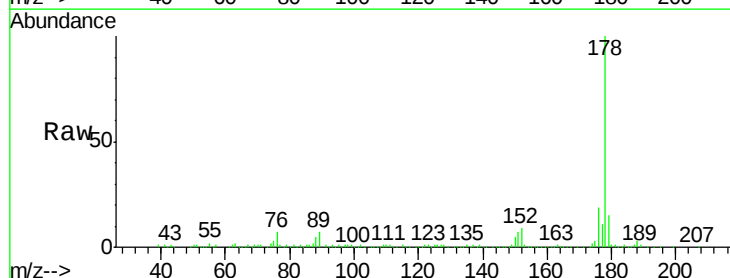
Tgt Ion:178 Resp: 206249

Ion Ratio Lower Upper

178 100

176 18.8 16.6 25.0

179 15.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

