

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010317\
 Data File : BF092068.D
 Acq On : 3 Jan 2017 18:46
 Operator : UM/SJ
 Sample : H6325-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR1020

Quant Time: Jan 04 00:10:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	199377	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	730234	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	350075	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	563946	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	380210	20.00	ng	-0.05
86) Perylene-d12	15.20	264	344851	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1460069	122.28	ng	-0.03
7) Phenol-d6	6.36	99	2112937	144.94	ng	-0.03
23) Nitrobenzene-d5	7.25	82	1460800	111.24	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	468006	161.54	ng	-0.04
44) 2-Fluorobiphenyl	9.04	172	1968652	120.63	ng	-0.04
78) Terphenyl-d14	12.78	244	974245	62.14	ng	-0.04

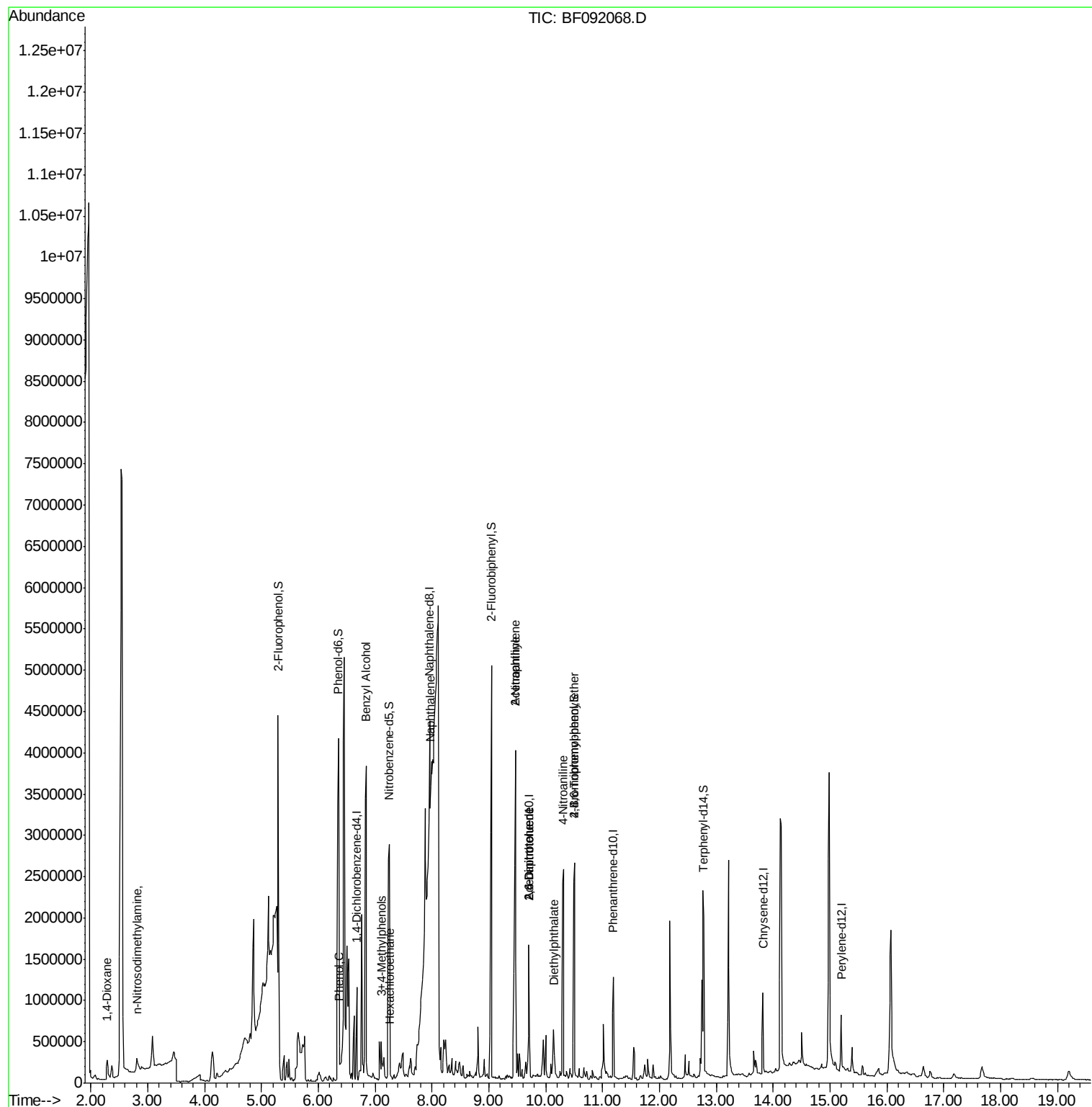
Target Compounds						Qvalue
2) 1,4-Dioxane	2.28	88	117150	19.93	ng	# 74
4) n-Nitrosodimethylamine	2.81	42	58891	7.61	ng	# 82
10) Phenol	6.37	94	117185	7.05	ng	# 62
15) Benzyl Alcohol	6.84	79	158236	13.97	ng	96
18) Hexachloroethane	7.26	117	19188	3.51	ng	# 7
20) 3+4-Methylphenols	7.11	107	60206	4.62	ng	# 68
31) Naphthalene	7.98	128	110832	3.32	ng	99
47) 2-Nitroaniline	9.46	65	547443	81.00	ng	# 15
48) Acenaphthylene	9.46	152	878749	30.10	ng	# 78
50) 2,6-Dinitrotoluene	9.70	165	46641	9.52	ng	# 41
56) 2,4-Dinitrotoluene	9.70	165	46641	7.58	ng	# 29
59) Diethylphthalate	10.14	149	171045	7.87	ng	99
61) 4-Nitroaniline	10.31	138	834240	132.74	ng	# 21
66) 4-Bromophenyl-phenylether	10.50	248	29396	5.01	ng	# 1
71) Anthracene	11.26	178	832	Below	Cal	# 55
73) Di-n-butylphthalate	11.76	149	21942	Below	Cal	99
74) Fluoranthene	12.39	202	1342	Below	Cal	# 38
76) Benzidine	12.68	184	483	Below	Cal	# 1

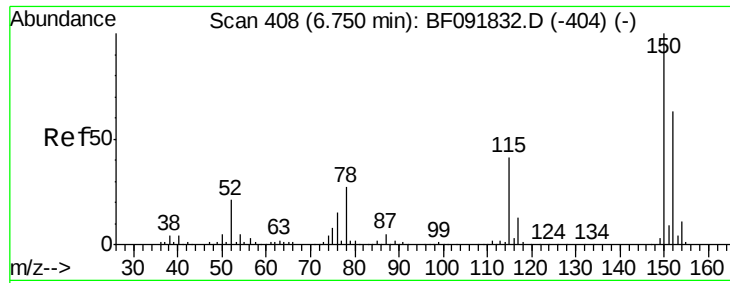
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

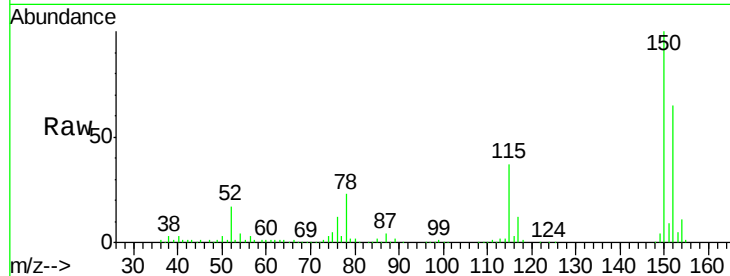
Tgt Ion:152 Resp: 199377

Ion Ratio Lower Upper

152 100

150 154.1 124.9 187.3

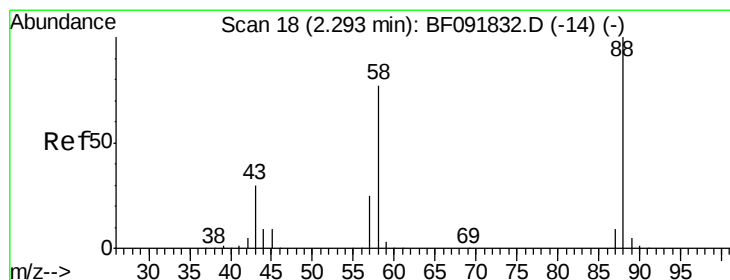
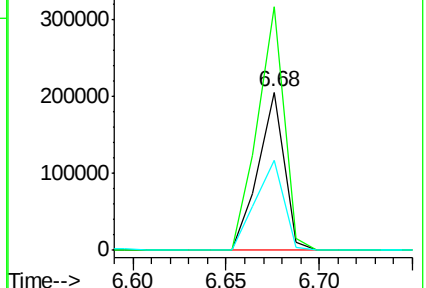
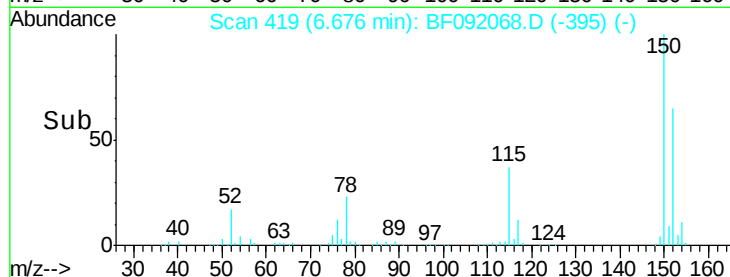
115 56.9 46.0 69.0



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



#2

1,4-Dioxane

Concen: 19.93 ng

RT: 2.28 min Scan# 34

Delta R.T. 0.09 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

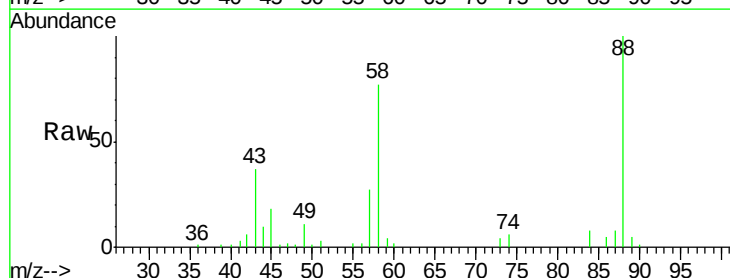
Tgt Ion: 88 Resp: 117150

Ion Ratio Lower Upper

88 100

58 59.3 57.8 86.8

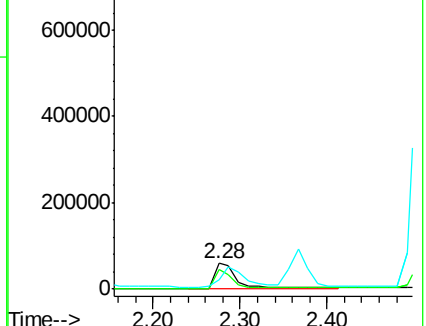
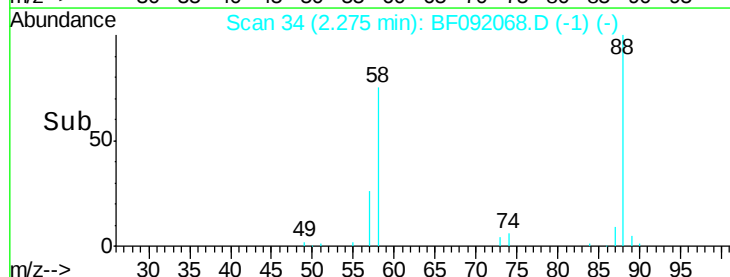
43 0.0 22.3 33.5#

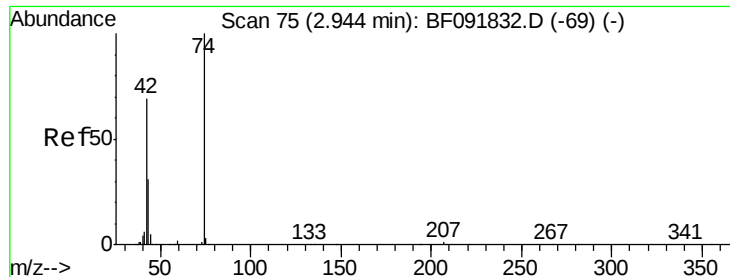


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 7.61 ng

RT: 2.81 min Scan# 81

Delta R.T. -0.02 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

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LAR1020

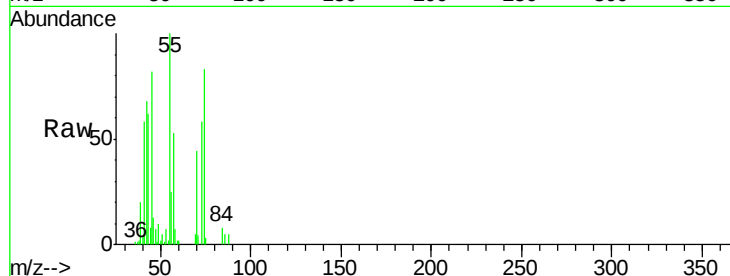
Tgt Ion: 42 Resp: 58891

Ion Ratio Lower Upper

42 100

74 123.1 117.0 175.4

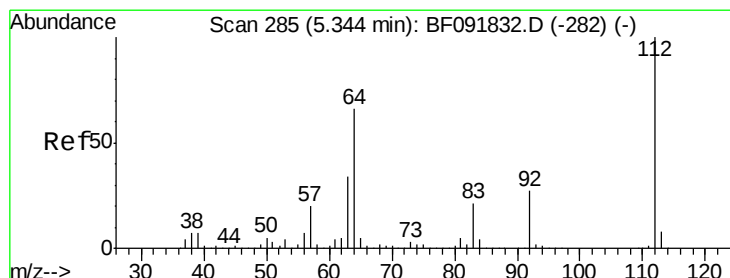
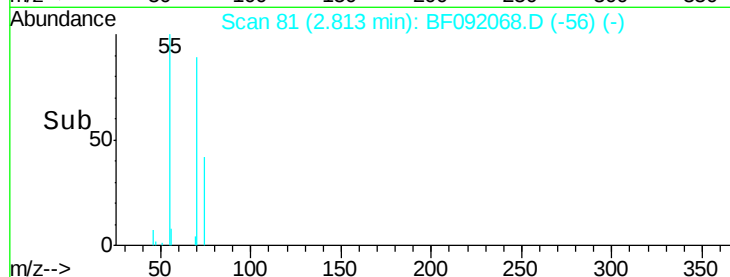
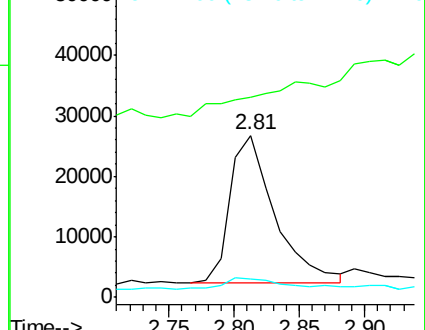
44 11.7 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 122.28 ng

RT: 5.29 min Scan# 298

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

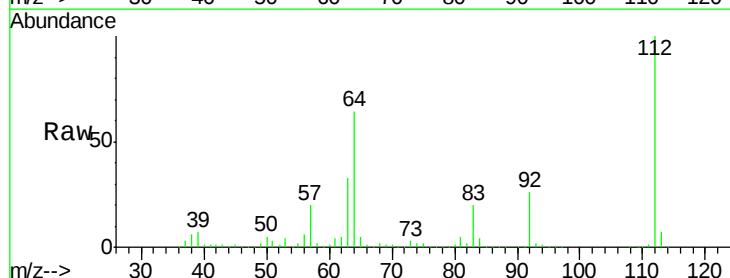
Tgt Ion: 112 Resp: 1460069

Ion Ratio Lower Upper

112 100

64 64.2 46.1 69.1

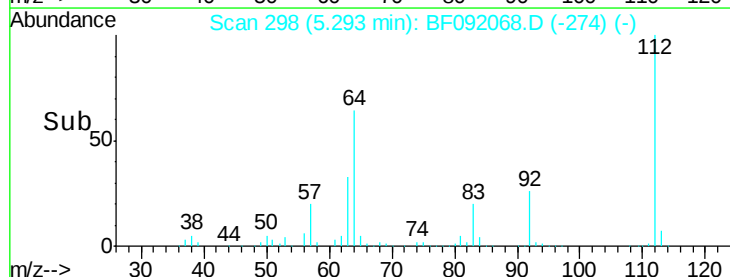
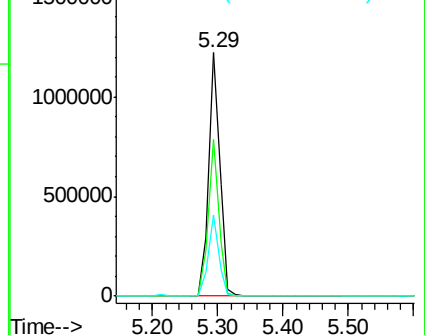
63 33.1 23.8 35.6

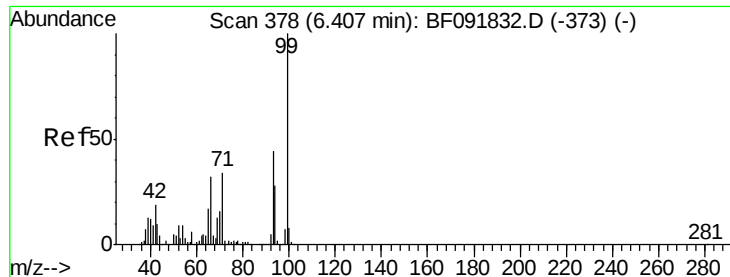


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.94 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

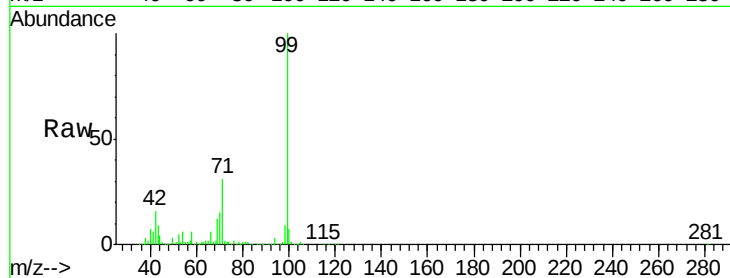
Tgt Ion: 99 Resp: 2112937

Ion Ratio Lower Upper

99 100

42 15.5 15.6 23.4#

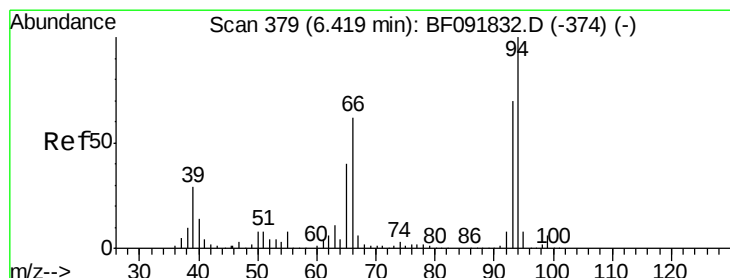
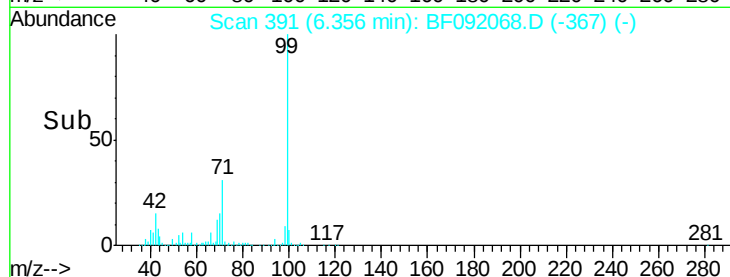
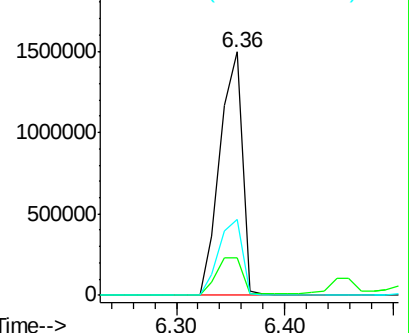
71 30.9 27.5 41.3



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



#10

Phenol

Concen: 7.05 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

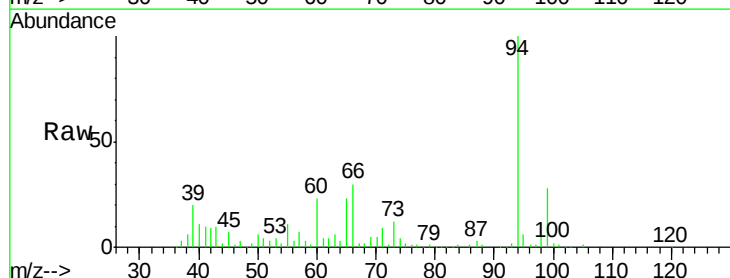
Tgt Ion: 94 Resp: 117185

Ion Ratio Lower Upper

94 100

65 23.2 21.4 61.4

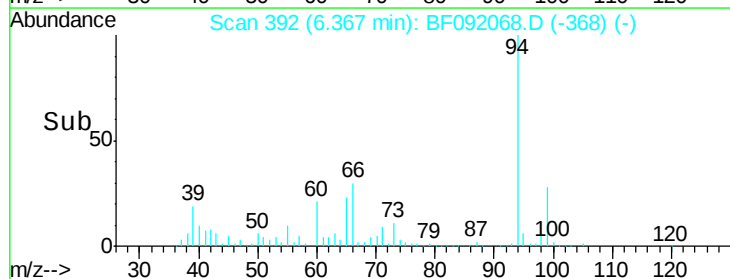
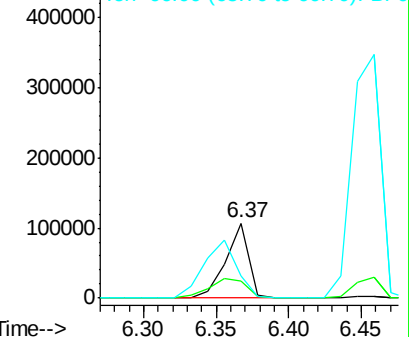
66 29.7 44.0 84.0#

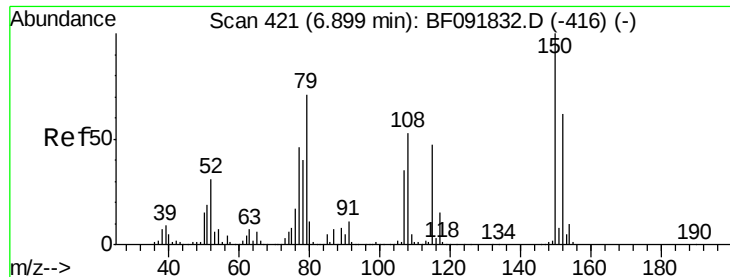


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 13.97 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

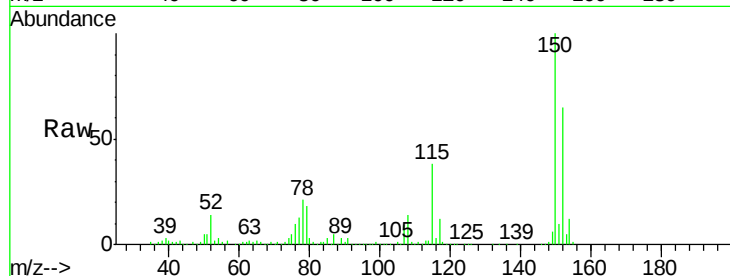
Tgt Ion: 79 Resp: 158236

Ion Ratio Lower Upper

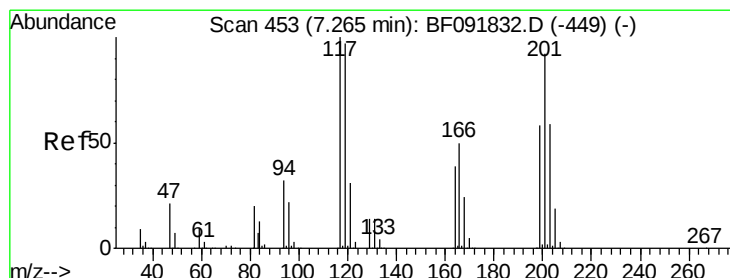
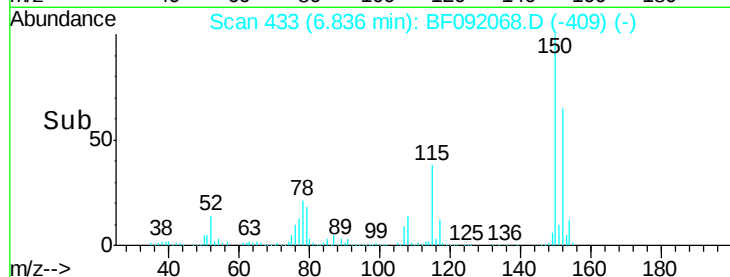
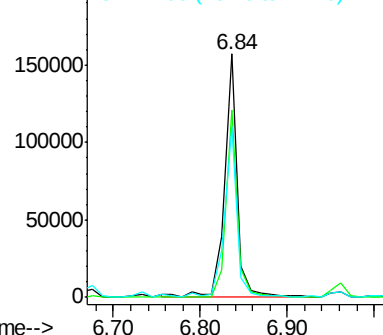
79 100

108 77.1 61.4 92.0

77 70.3 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 3.51 ng

RT: 7.26 min Scan# 470

Delta R.T. 0.04 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

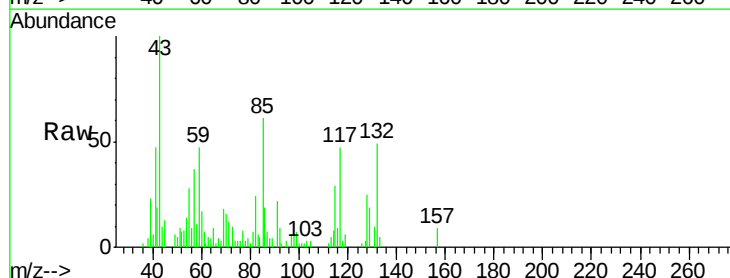
Tgt Ion: 117 Resp: 19188

Ion Ratio Lower Upper

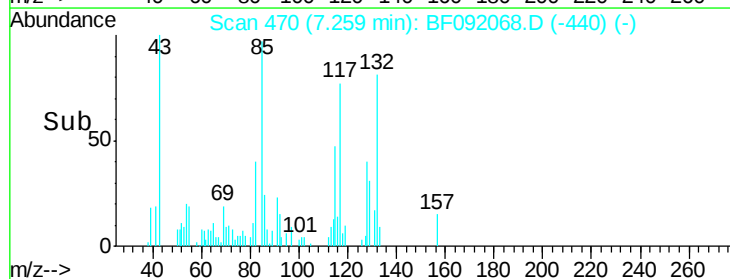
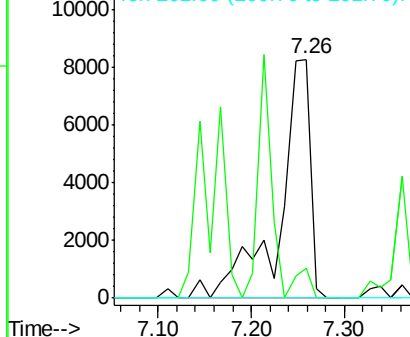
117 100

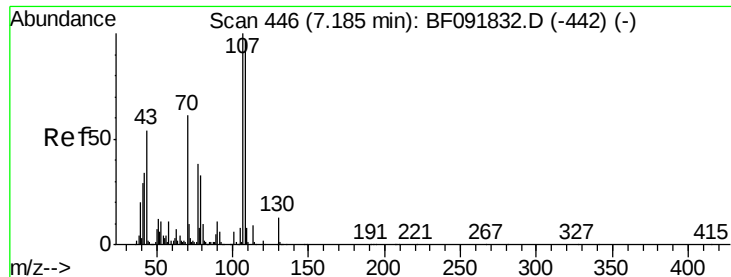
119 12.7 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B

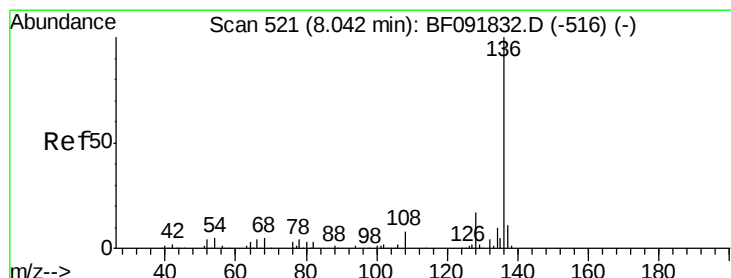
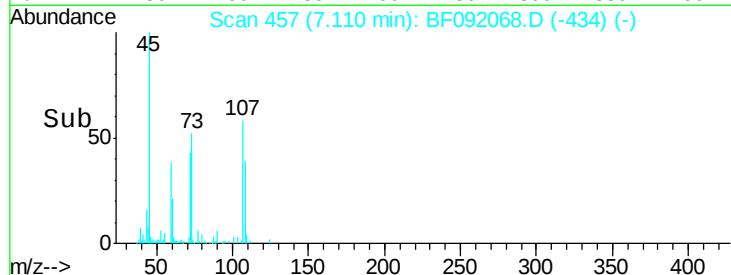
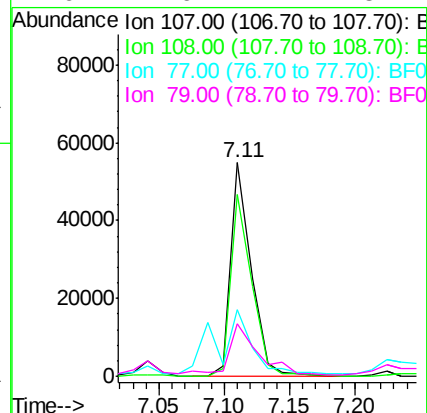
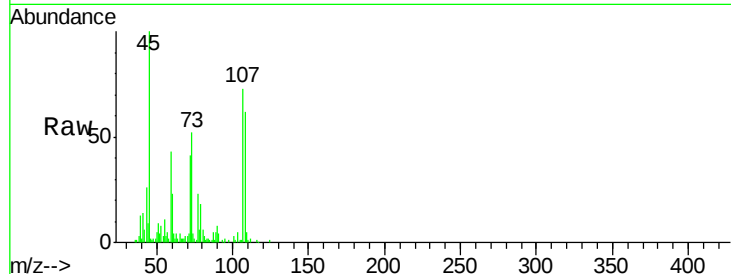




#20
 3+4-Methylphenols
 Concen: 4.62 ng
 RT: 7.11 min Scan# 457
 Delta R.T. -0.04 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

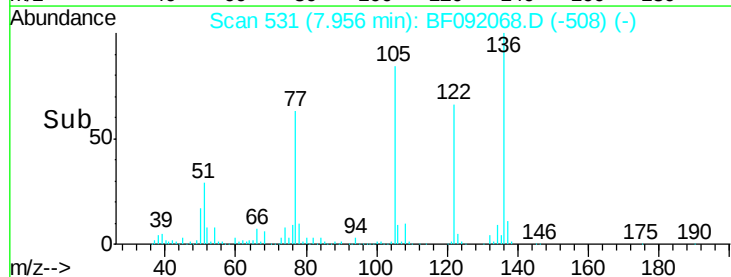
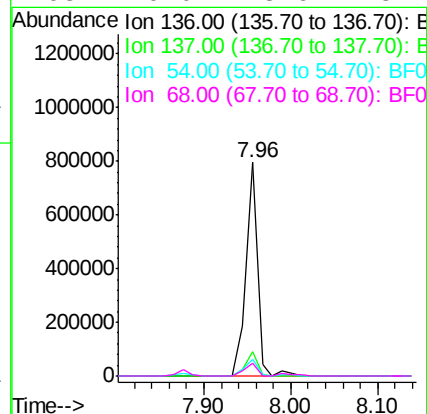
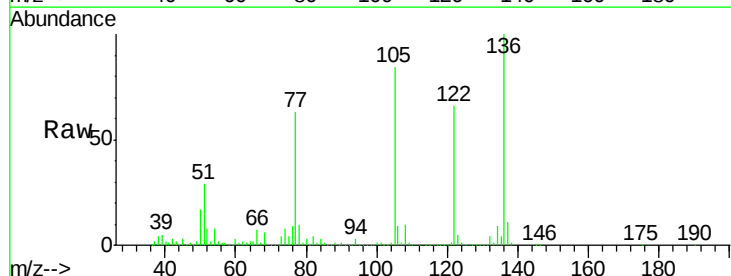
Instrument :
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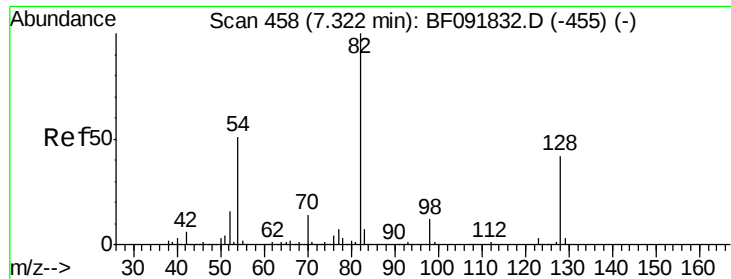
Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.1	73.0	113.0
77	31.2	71.3	111.3#
79	24.6	11.1	51.1



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.96 min Scan# 531
 Delta R.T. -0.04 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	7.7	4.5	6.7#
68	6.0	3.6	5.4#

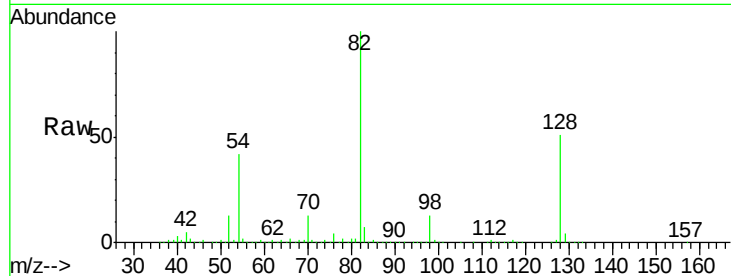




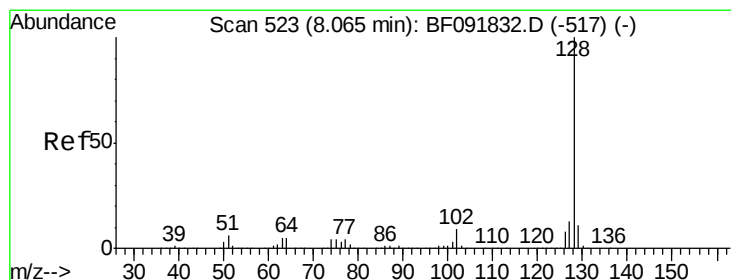
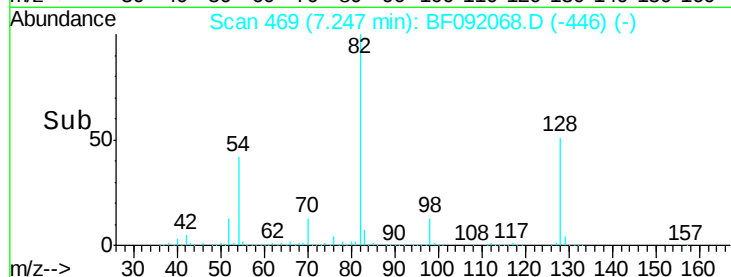
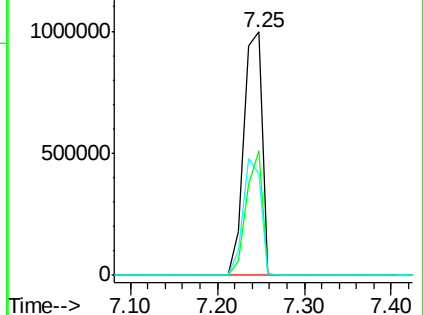
#23
Nitrobenzene-d5
Concen: 111.24 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.04 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

Instrument :
BNA_F
ClientSampleId :
LAR1020

Tgt Ion: 82 Resp: 1460800
Ion Ratio Lower Upper
82 100
128 51.2 34.6 52.0
54 41.9 39.5 59.3

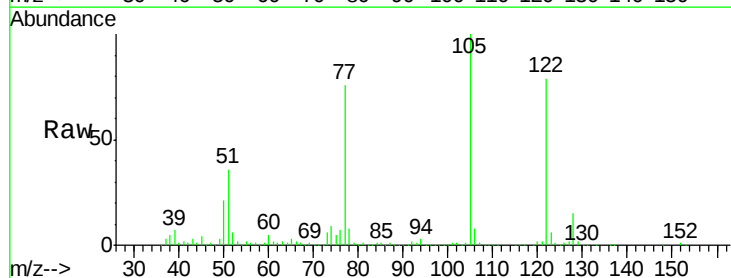


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

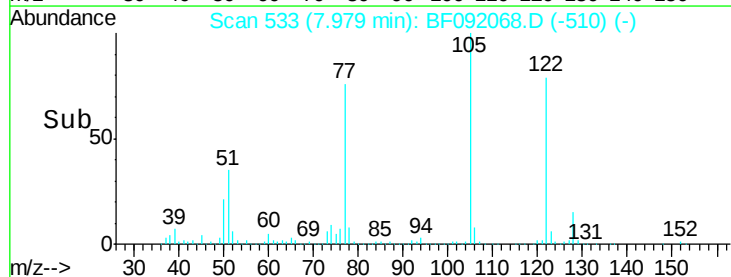
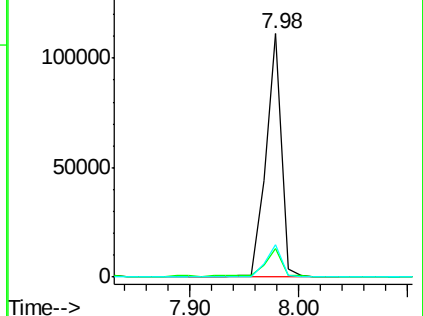


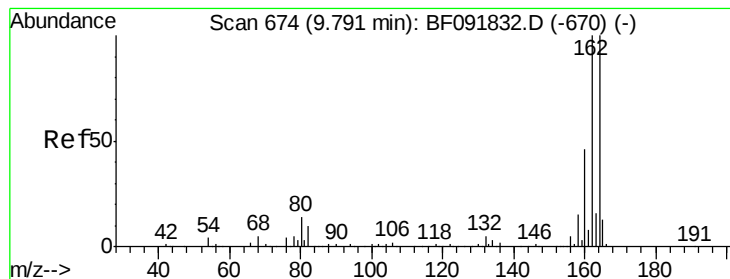
#31
Naphthalene
Concen: 3.32 ng
RT: 7.98 min Scan# 533
Delta R.T. -0.04 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

Tgt Ion: 128 Resp: 110832
Ion Ratio Lower Upper
128 100
129 11.7 9.5 14.3
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

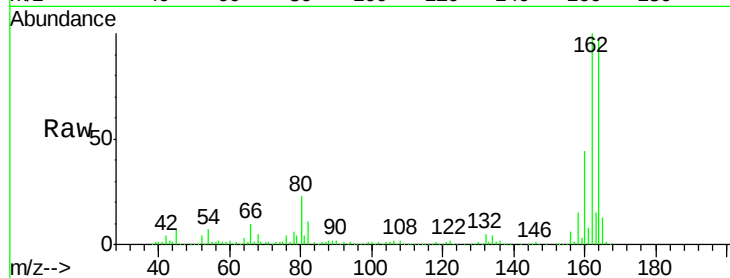
Tgt Ion:164 Resp: 350075

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

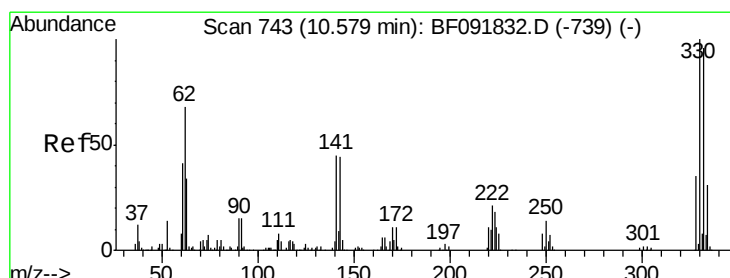
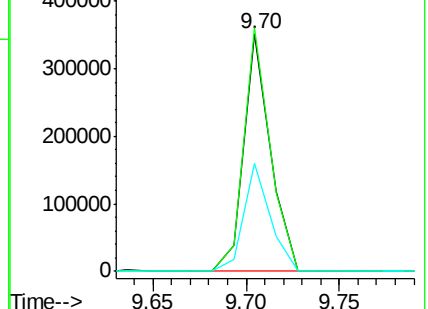
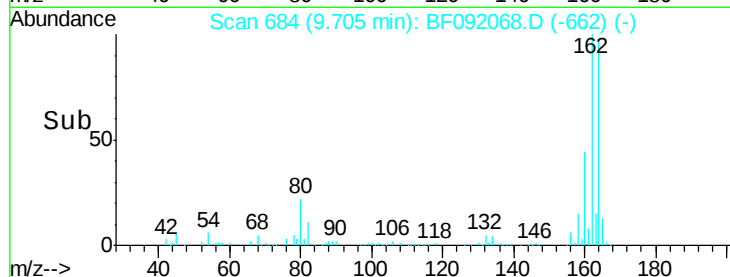
160 45.3 36.9 55.3



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: 161.54 ng

RT: 10.50 min Scan# 754

Delta R.T. -0.04 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

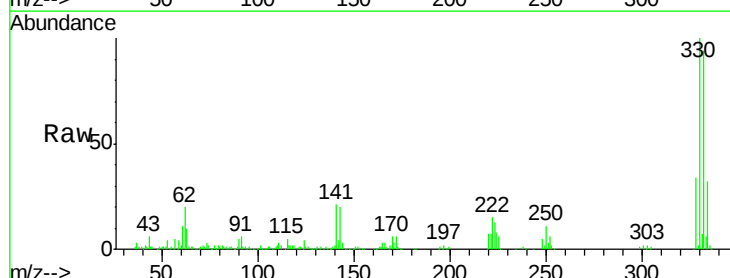
Tgt Ion:330 Resp: 468006

Ion Ratio Lower Upper

330 100

332 93.5 77.4 116.2

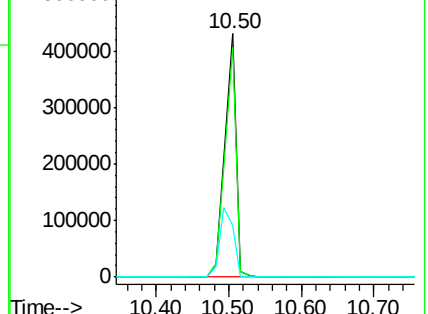
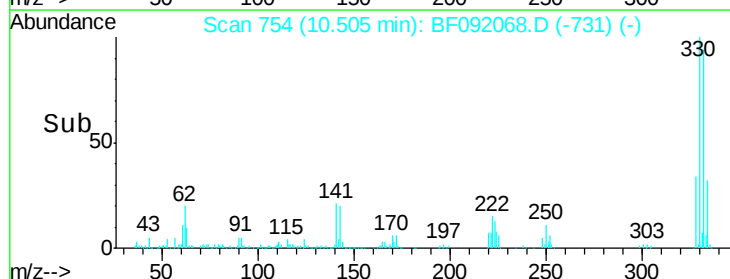
141 35.0 34.1 51.1

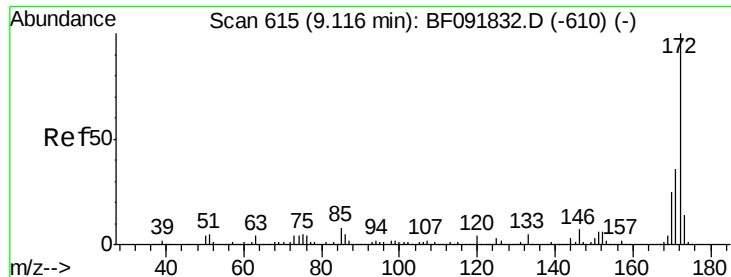


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

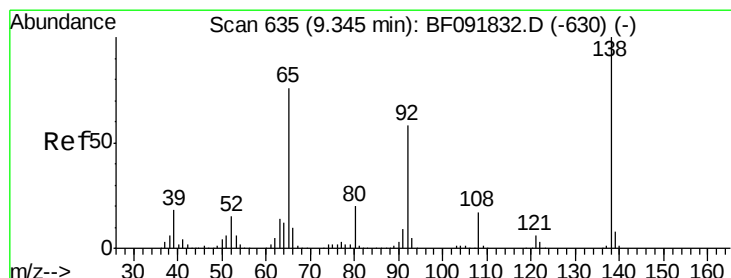
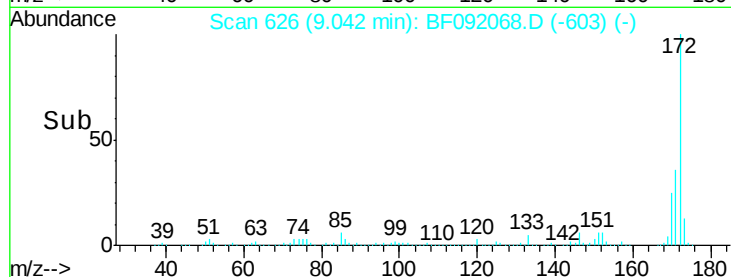
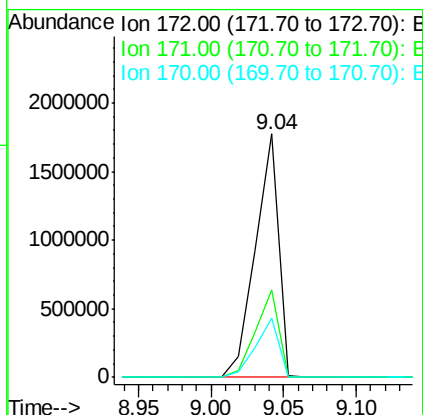
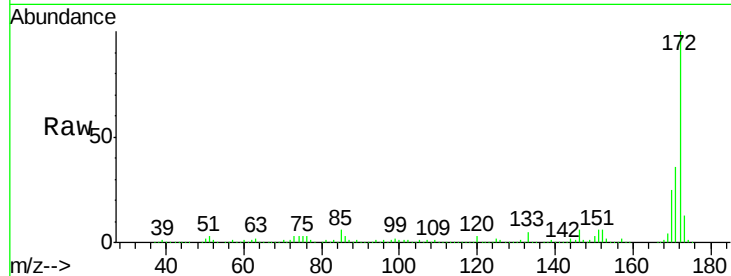




#44
 2-Fluorobiphenyl
 Concen: 120.63 ng
 RT: 9.04 min Scan# 626
 Delta R.T. -0.04 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

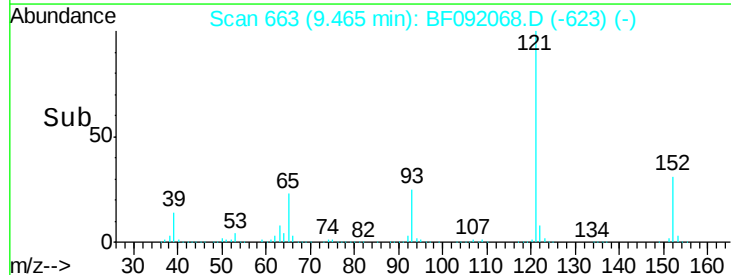
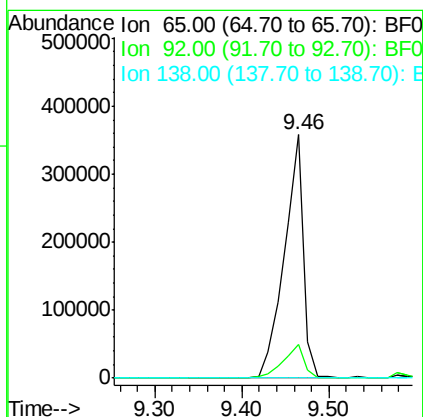
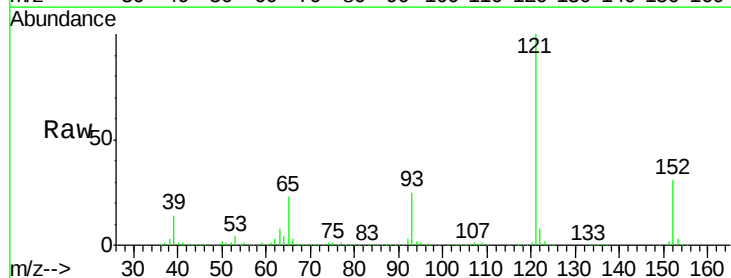
Instrument :
 BNA_F
 ClientSampleId :
 LAR1020

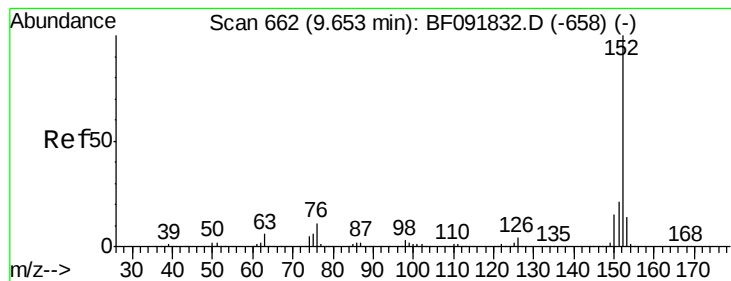
Tgt Ion: 172 Resp: 1968652
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4



#47
 2-Nitroaniline
 Concen: 81.00 ng
 RT: 9.46 min Scan# 663
 Delta R.T. 0.15 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

Tgt Ion: 65 Resp: 547443
 Ion Ratio Lower Upper
 65 100
 92 13.9 53.9 80.9#
 138 0.0 76.8 115.2#





#48

Acenaphthylene

Concen: 30.10 ng

RT: 9.46 min Scan# 663

Delta R.T. -0.14 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

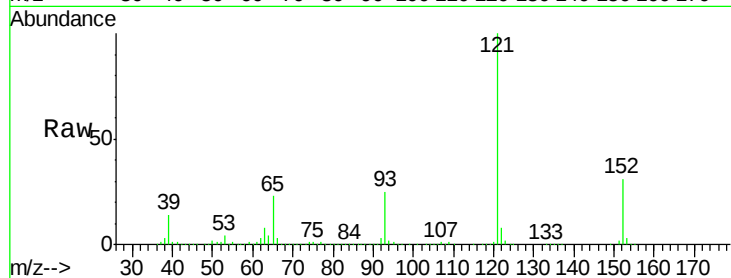
Tgt Ion:152 Resp: 878749

Ion Ratio Lower Upper

152 100

151 7.4 16.9 25.3#

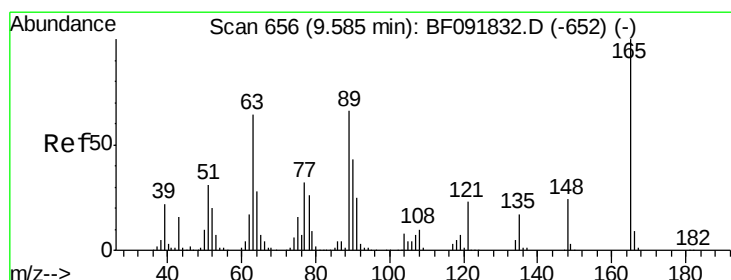
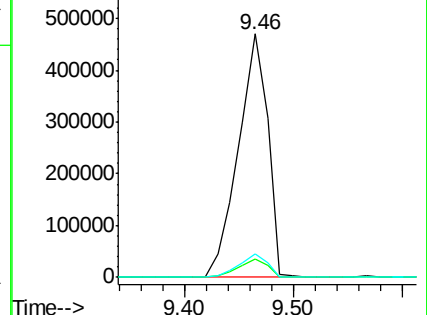
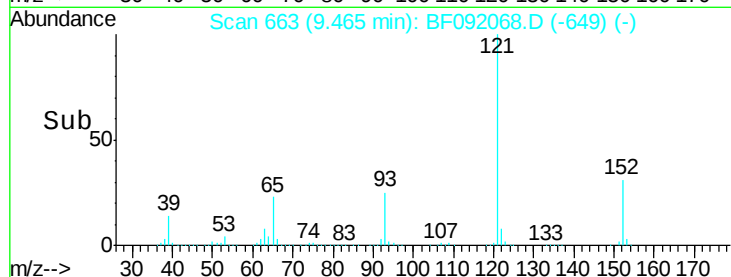
153 9.6 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.52 ng

RT: 9.70 min Scan# 684

Delta R.T. 0.15 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

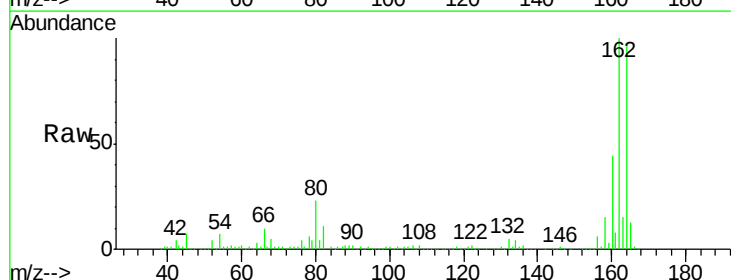
Tgt Ion:165 Resp: 46641

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

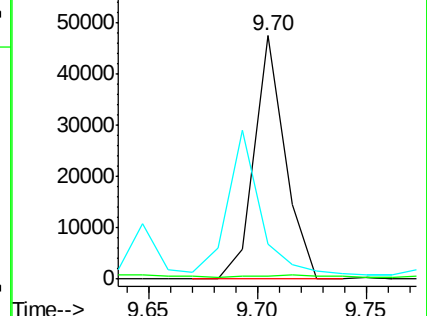
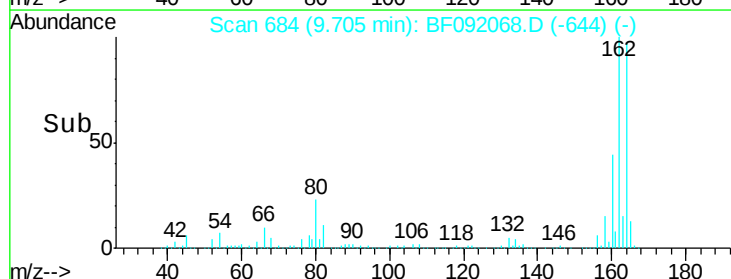
89 14.6 40.2 60.4#

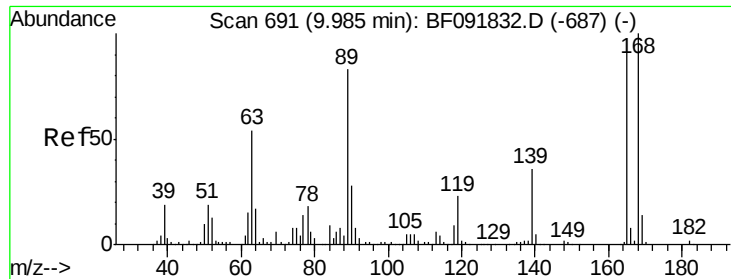


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

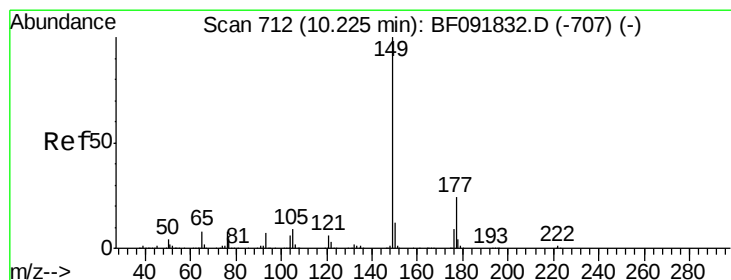
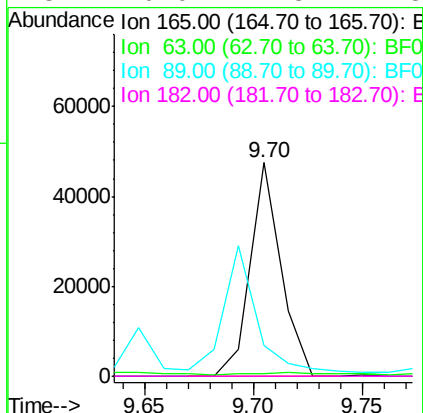
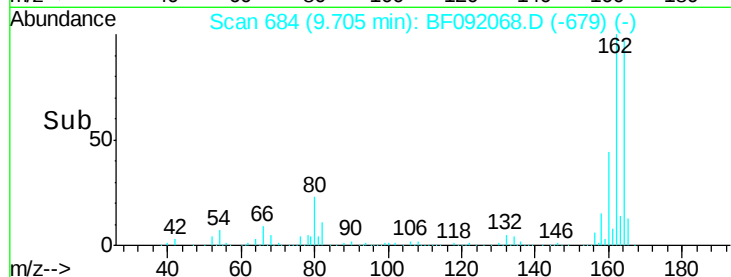
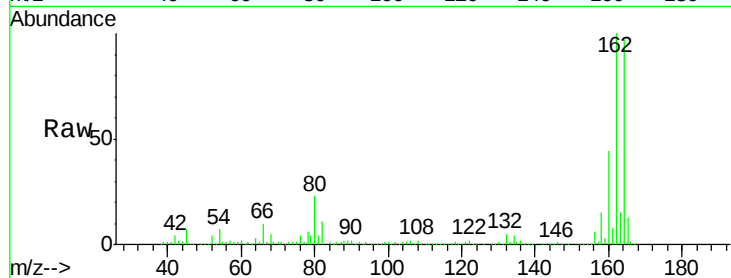




#56
2,4-Dinitrotoluene
Concen: 7.58 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.25 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

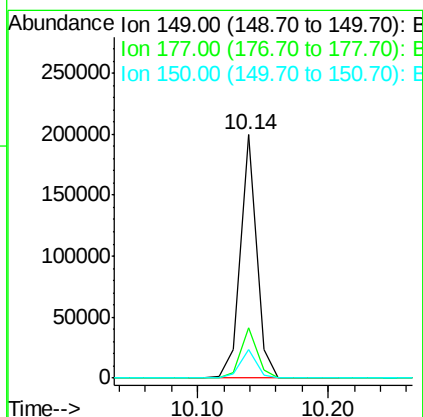
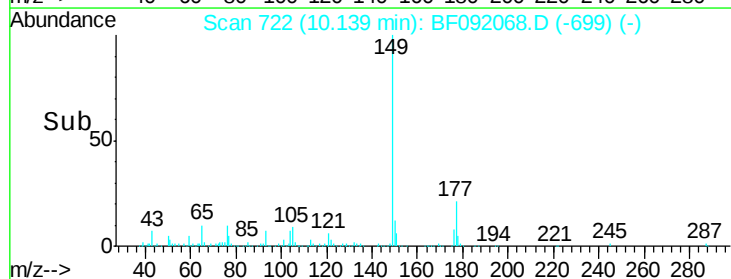
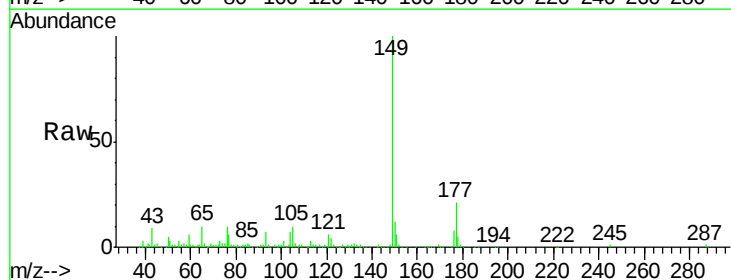
Instrument :
BNA_F
ClientSampleId :
LAR1020

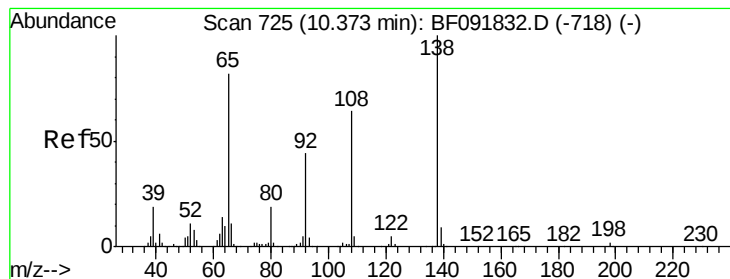
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	14.6	62.5	93.7#
182	0.0	1.8	2.8#



#59
Diethylphthalate
Concen: 7.87 ng
RT: 10.14 min Scan# 722
Delta R.T. -0.04 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.6	25.0
150	12.0	10.4	15.6





#61

4-Nitroaniline

Concen: 132.74 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.03 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

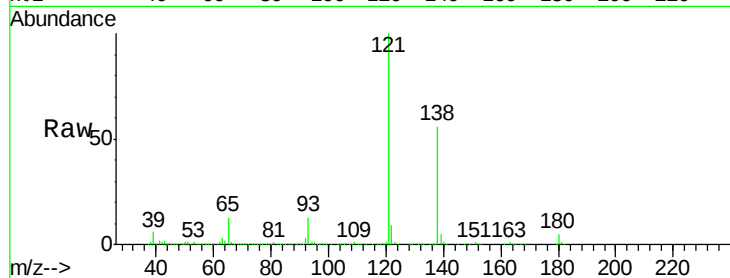
Tgt Ion:138 Resp: 834240

Ion Ratio Lower Upper

138 100

92 4.6 31.7 71.7#

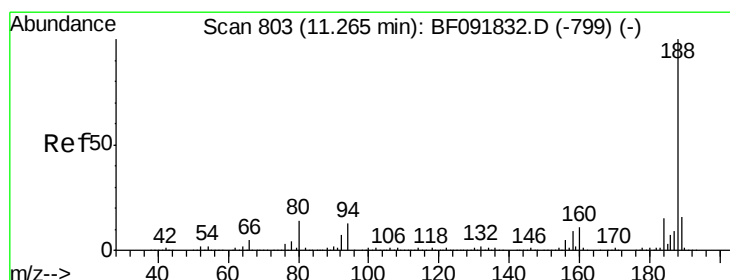
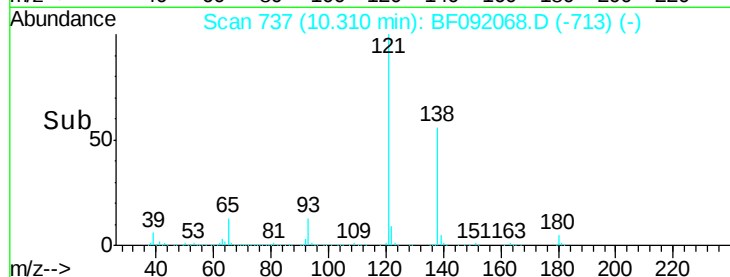
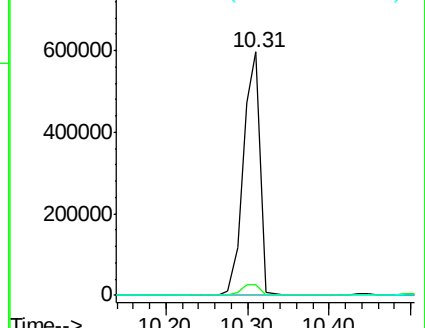
108 0.1 52.6 92.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 814

Delta R.T. -0.04 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

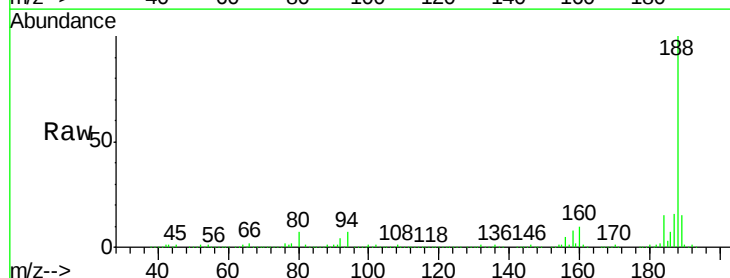
Tgt Ion:188 Resp: 563946

Ion Ratio Lower Upper

188 100

94 6.8 10.0 15.0#

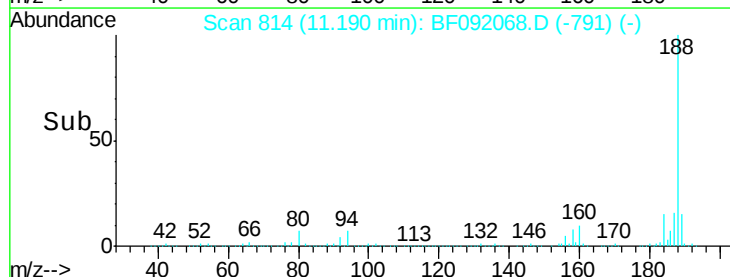
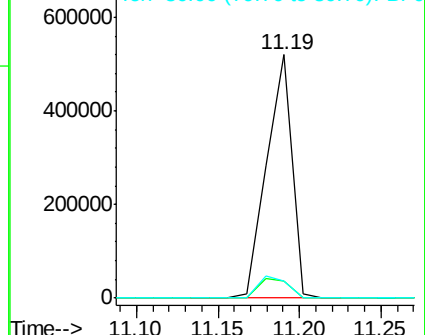
80 7.1 11.2 16.8#

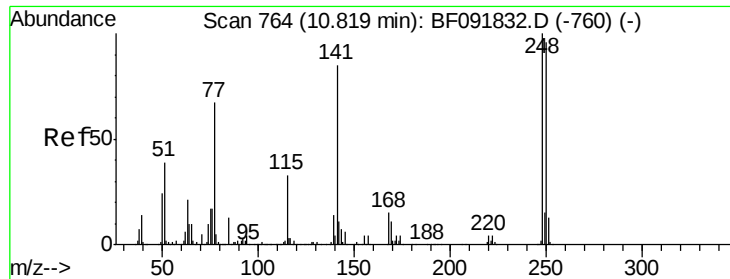


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

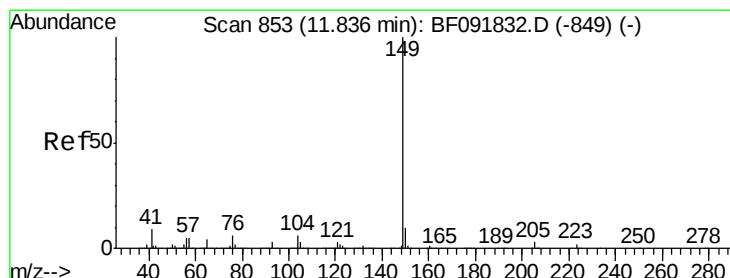
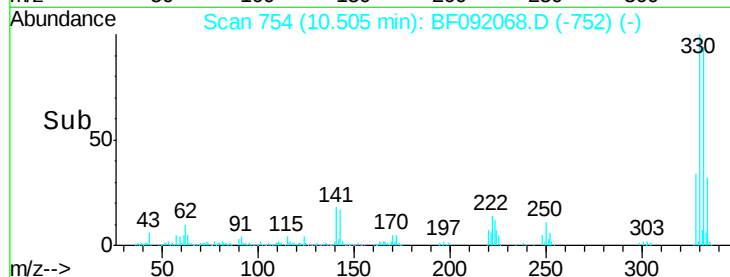
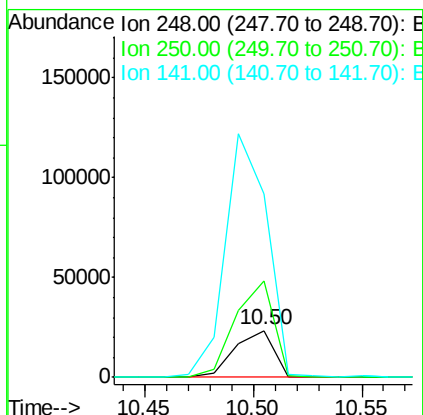
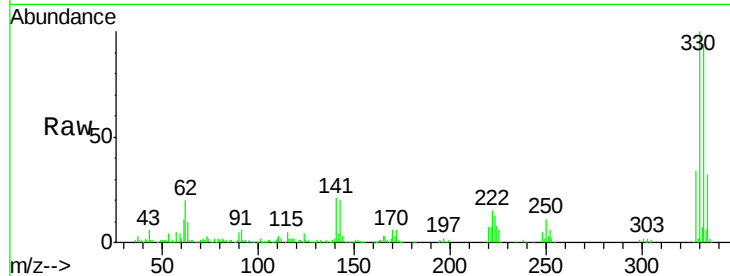




#66
4-Bromophenyl-phenylether
Concen: 5.01 ng
RT: 10.50 min Scan# 754
Delta R.T. -0.28 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

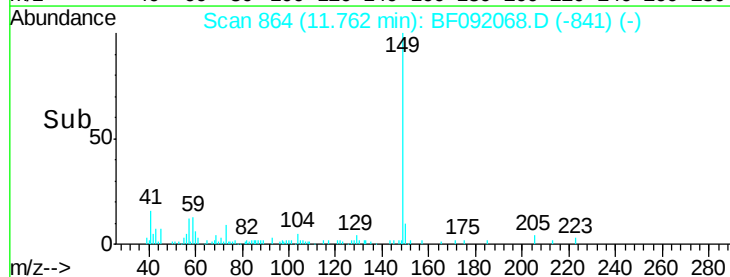
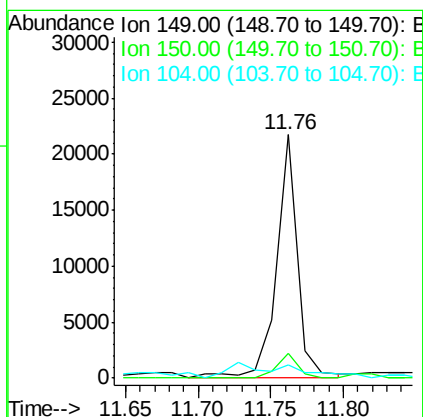
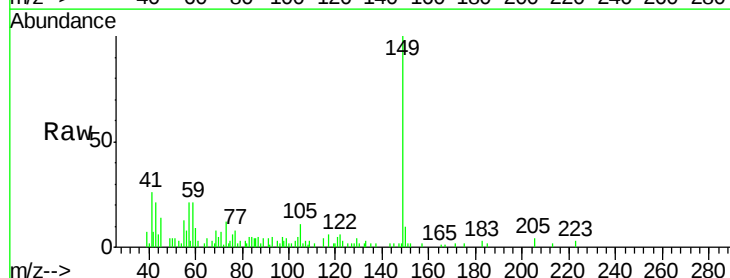
Instrument :
BNA_F
ClientSampleId :
LAR1020

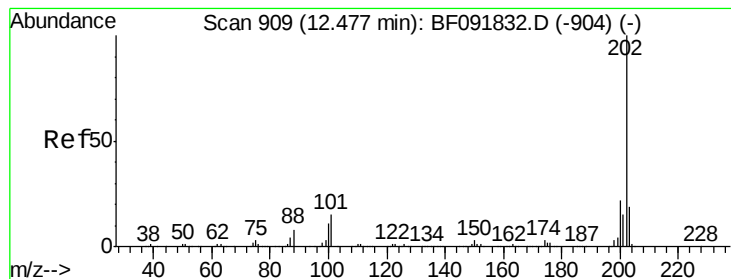
Tgt Ion:248 Resp: 29396
Ion Ratio Lower Upper
248 100
250 206.8 76.9 115.3#
141 392.6 68.2 102.4#



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.76 min Scan# 864
Delta R.T. -0.04 min
Lab File: BF092068.D
Acq: 3 Jan 2017 18:46

Tgt Ion:149 Resp: 21942
Ion Ratio Lower Upper
149 100
150 10.0 8.1 12.1
104 5.3 4.6 7.0





#74

Fluoranthene

Concen: Below Cal

RT: 12.39 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

Instrument :

BNA_F

ClientSampleId :

LAR1020

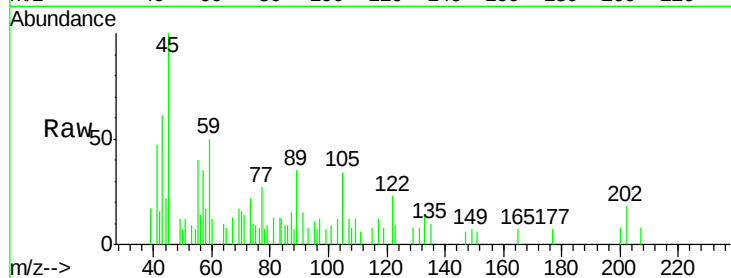
Tgt Ion:202 Resp: 1342

Ion Ratio Lower Upper

202 100

101 50.9 0.0 34.6#

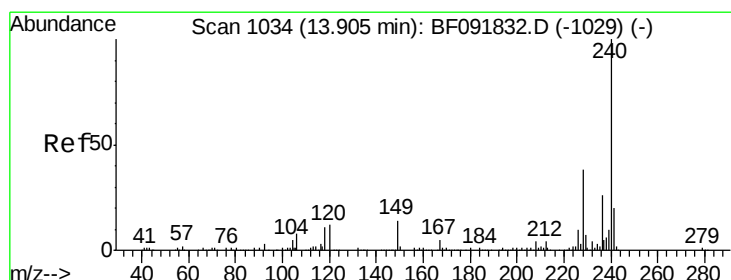
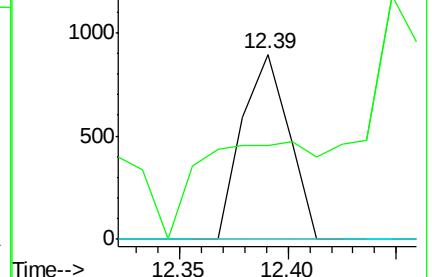
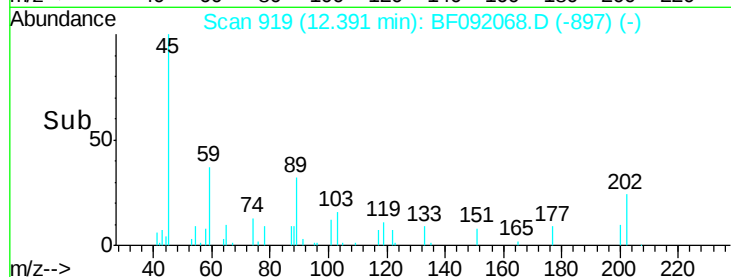
203 0.0 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF092068.D

Acq: 3 Jan 2017 18:46

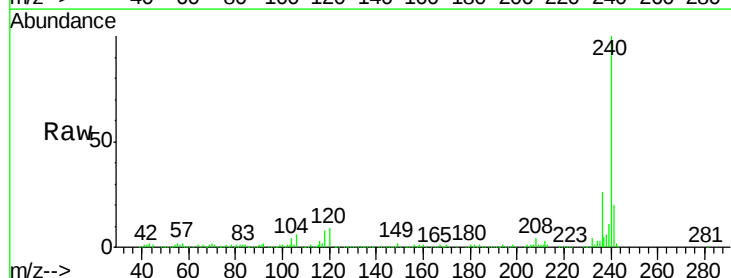
Tgt Ion:240 Resp: 380210

Ion Ratio Lower Upper

240 100

120 9.1 12.9 19.3#

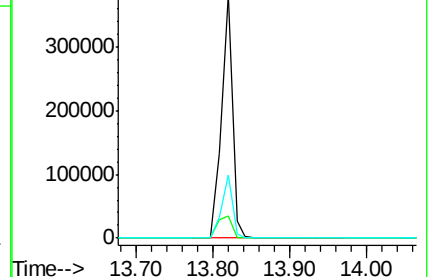
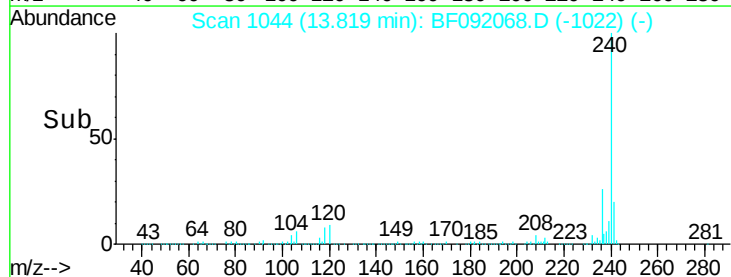
236 25.7 20.9 31.3

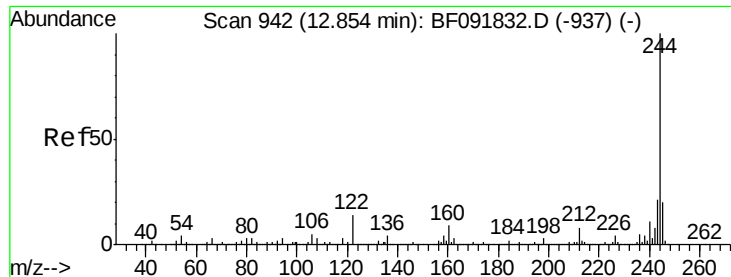


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

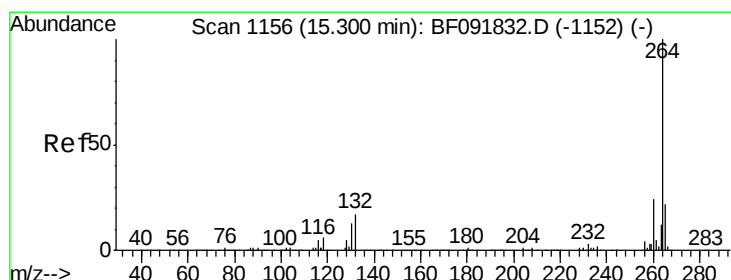
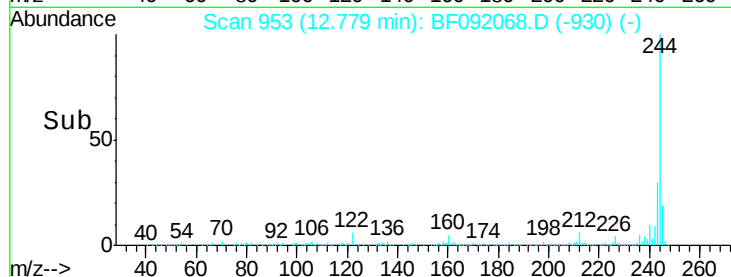
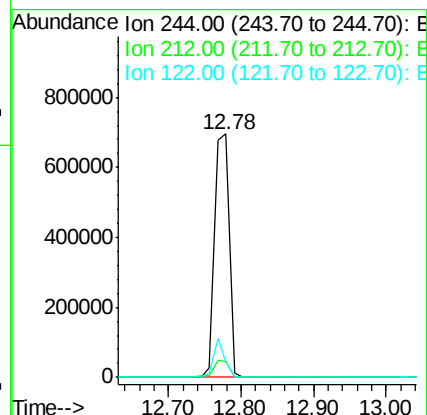
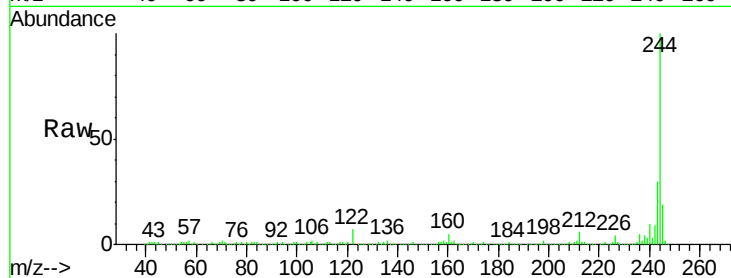




#78
 Terphenyl-d14
 Concen: 62.14 ng
 RT: 12.78 min Scan# 953
 Delta R.T. -0.04 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

Instrument :
 BNA_F
 ClientSampleId :
 LAR1020

Tgt Ion:244 Resp: 974245
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.2 9.2
 122 6.5 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF092068.D
 Acq: 3 Jan 2017 18:46

Tgt Ion:264 Resp: 344851
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 20.8 17.4 26.0

