

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090096.D
 Acq On : 15 Sep 2016 17:19
 Operator : UM/SJ
 Sample : H4778-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Quant Time: Sep 16 00:52:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	161908	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	646700	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	295280	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	527706	20.00	ng	0.00
75) Chrysene-d12	13.67	240	310099	20.00	ng	0.00
86) Perylene-d12	14.99	264	350659	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	1321551	131.27	ng	0.01
7) Phenol-d6	6.20	99	1574846	119.49	ng	0.00
23) Nitrobenzene-d5	7.12	82	968939	84.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	335643	113.16	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1465620	77.95	ng	-0.01
78) Terphenyl-d14	12.63	244	1119483	85.73	ng	-0.01

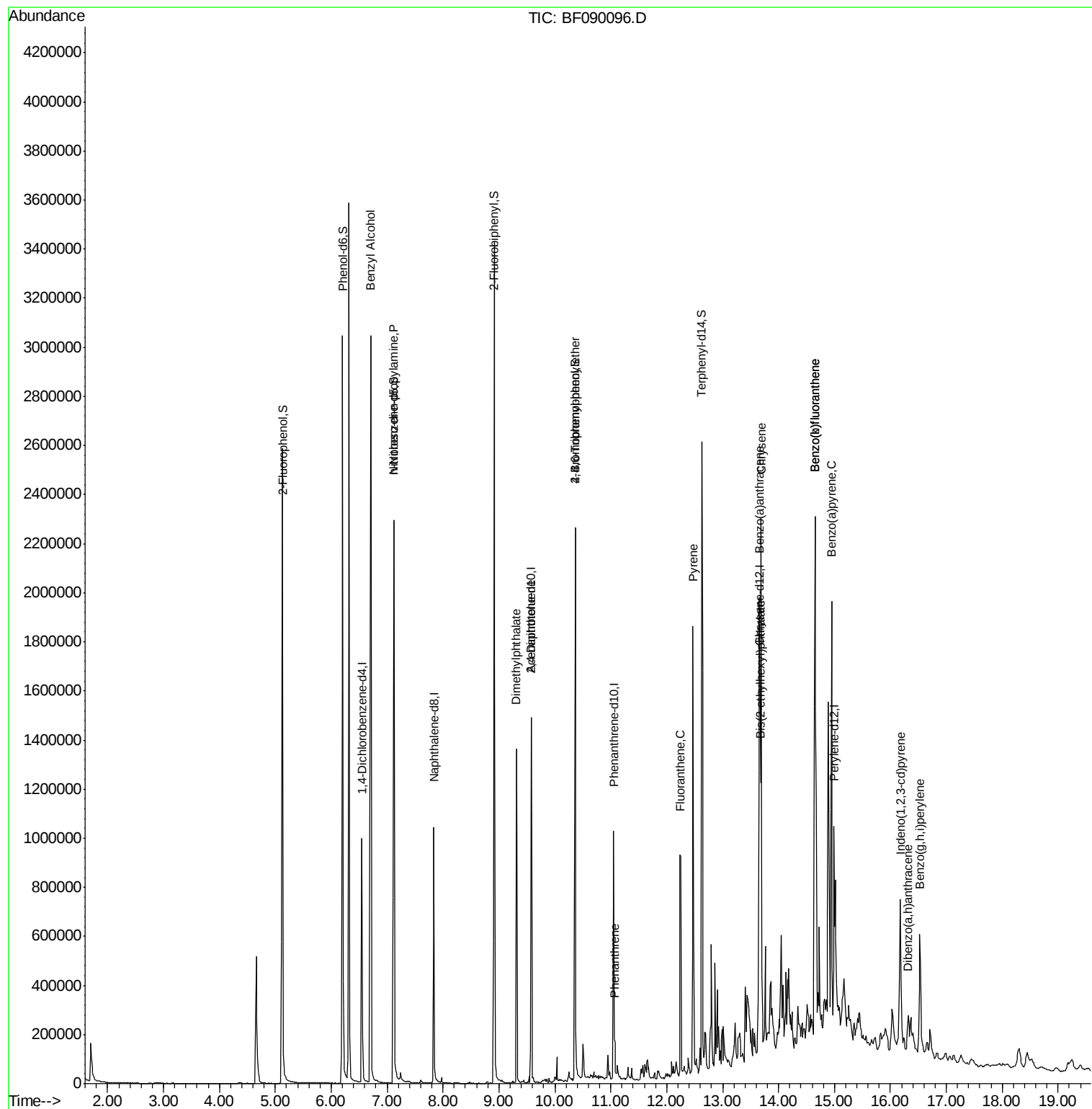
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.71	79	15498	2.09	ng	# 45
19) n-Nitroso-di-n-propylamine	7.12	70	119108	14.54	ng	# 79
49) Dimethylphthalate	9.31	163	550132	25.08	ng	99
56) 2,4-Dinitrotoluene	9.58	165	38700	6.48	ng	# 15
57) Fluorene	10.12	166	2431	Below Cal		# 96
66) 4-Bromophenyl-phenylether	10.36	248	19652	3.86	ng	# 1
70) Phenanthrene	11.07	178	64363	2.52	ng	97
74) Fluoranthene	12.25	202	583089	21.82	ng	93
77) Pyrene	12.47	202	770102	34.03	ng	97
80) Benzo(a)anthracene	13.66	228	807871	44.63	ng	98
82) Chrysene	13.69	228	852893	50.23	ng	98
83) Bis(2-ethylhexyl)phthalate	13.68	149	30224	2.17	ng	98
85) Indeno(1,2,3-cd)pyrene	16.18	276	425183	28.82	ng	99
87) Benzo(b)fluoranthene	14.65	252	1605948	78.12	ng	97
88) Benzo(k)fluoranthene	14.65	252	1605948	86.77	ng	# 94
89) Benzo(a)pyrene	14.95	252	805866	43.71	ng	# 94
90) Dibenzo(a,h)anthracene	16.32	278	84449	5.85	ng	93
91) Benzo(g,h,i)perylene	16.53	276	353320	25.64	ng	98

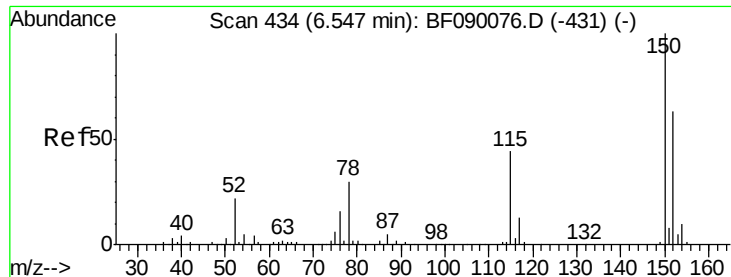
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampled :

WASTE

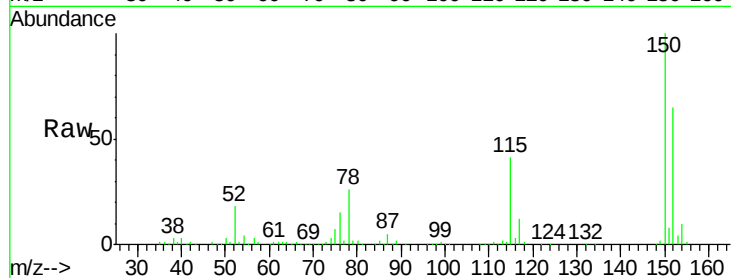
Tgt Ion:152 Resp: 161908

Ion Ratio Lower Upper

152 100

150 154.7 128.9 193.3

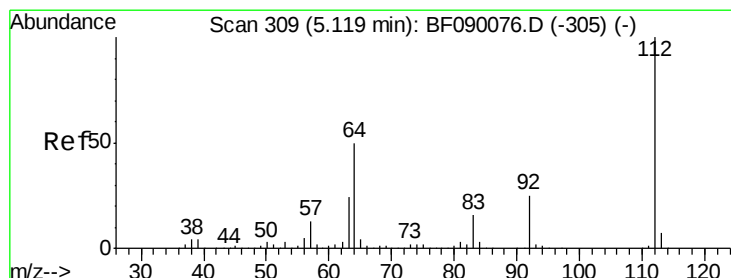
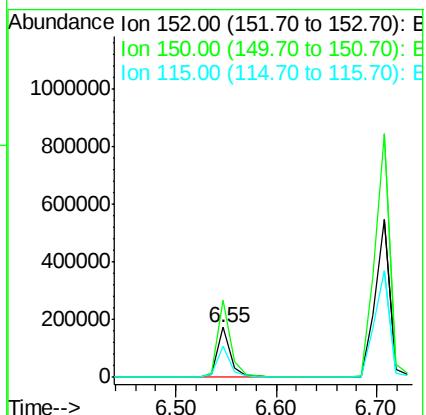
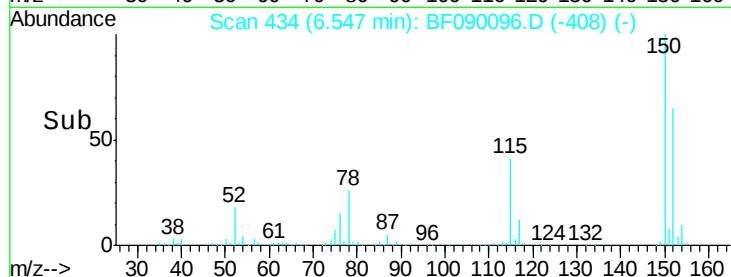
115 63.1 55.5 83.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 131.27 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

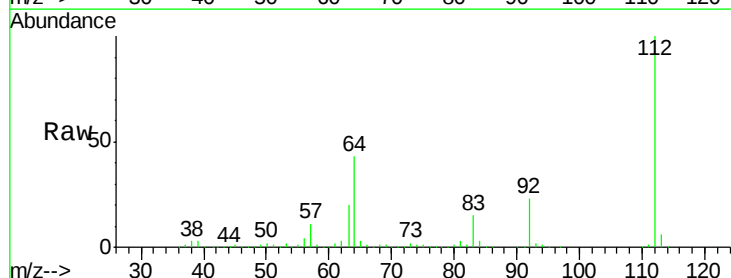
Tgt Ion:112 Resp: 1321551

Ion Ratio Lower Upper

112 100

64 42.6 39.8 59.6

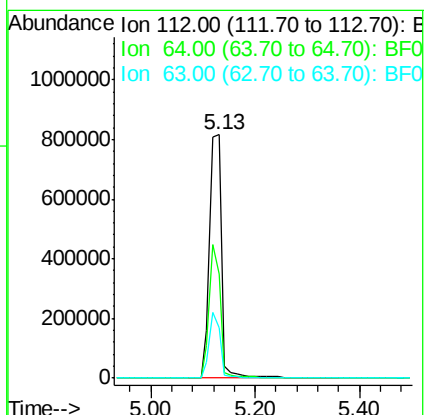
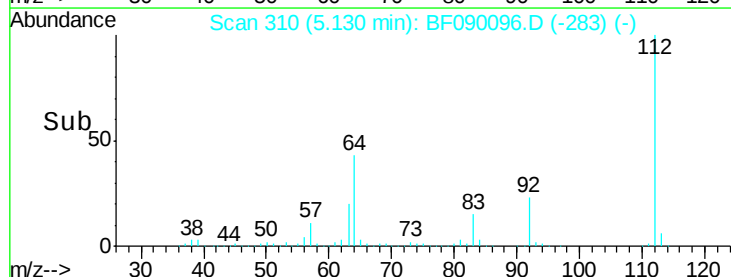
63 20.5 18.9 28.3

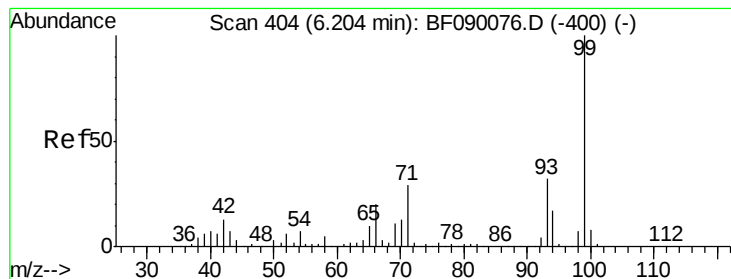


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.49 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

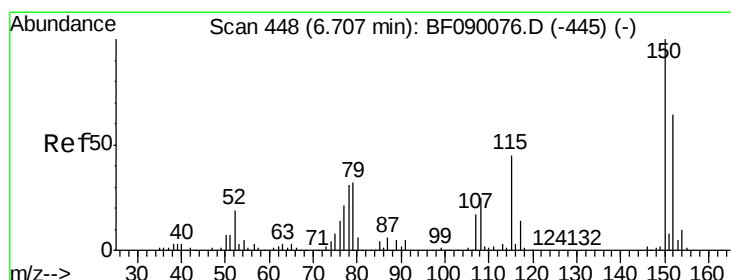
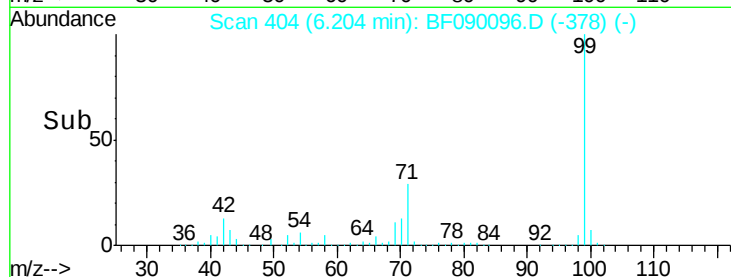
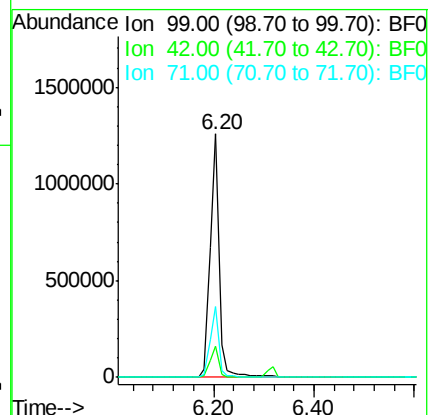
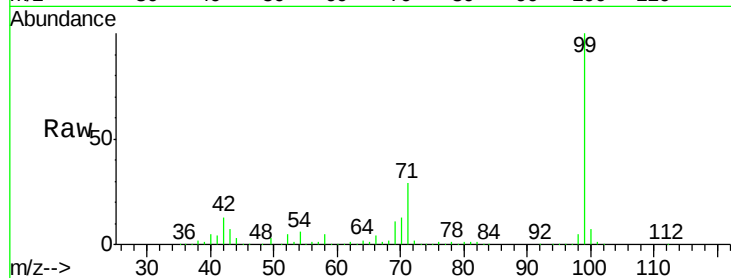
Tgt Ion: 99 Resp: 1574846

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

71 29.1 23.0 34.6



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

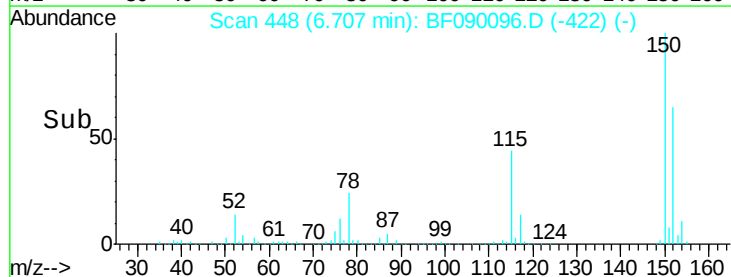
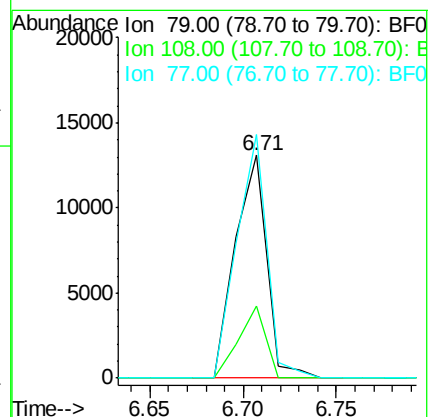
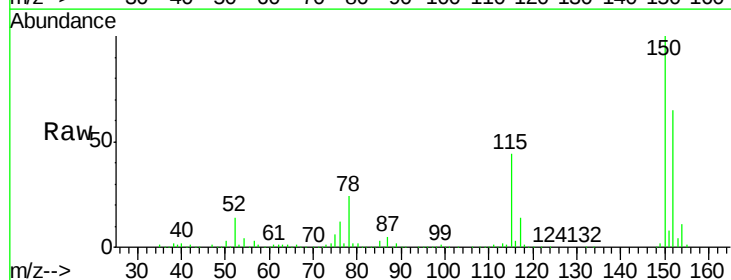
Tgt Ion: 79 Resp: 15498

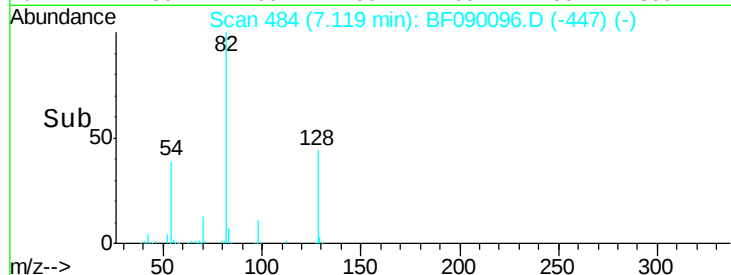
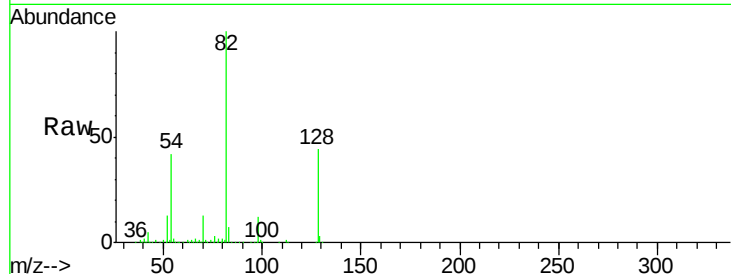
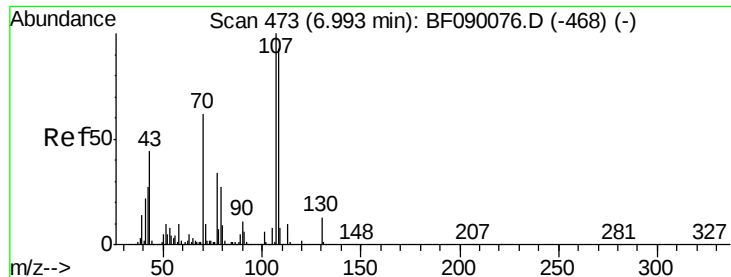
Ion Ratio Lower Upper

79 100

108 32.1 62.2 93.4#

77 109.1 51.4 77.0#

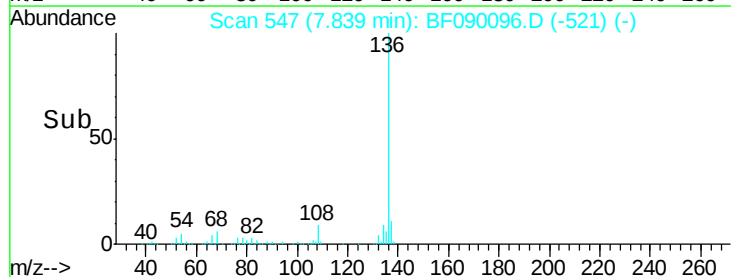
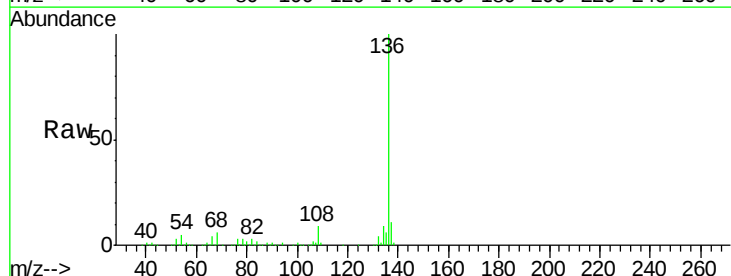
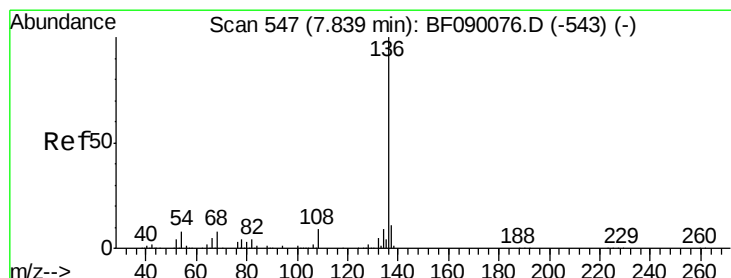
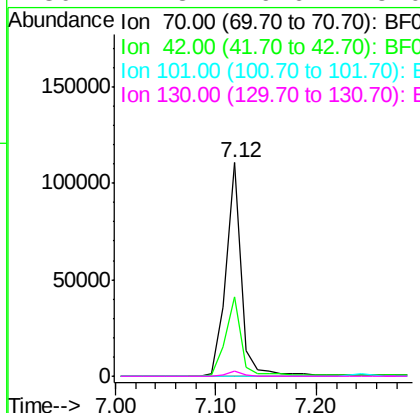




#19
n-Nitroso-di-n-propylamine
Concen: 14.54 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.13 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

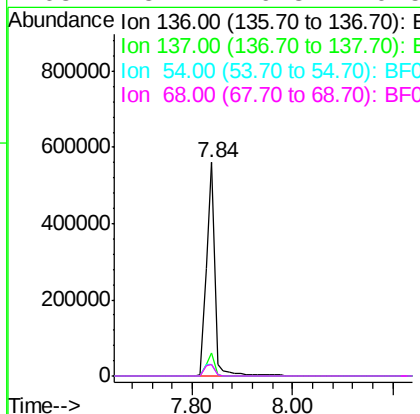
Instrument :
BNA_F
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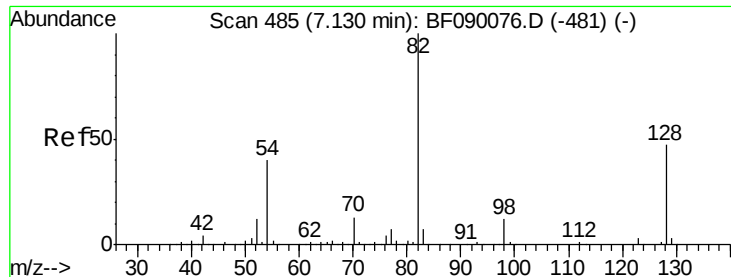
Tgt Ion: 70 Resp: 119108
Ion Ratio Lower Upper
70 100
42 36.9 35.1 52.7
101 0.0 7.5 11.3#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion: 136 Resp: 646700
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.4 6.4 9.6#
68 5.7 6.3 9.5#

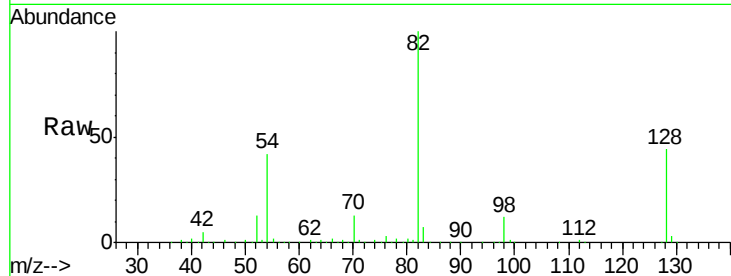




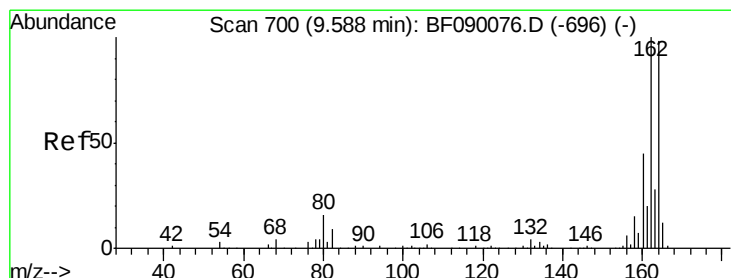
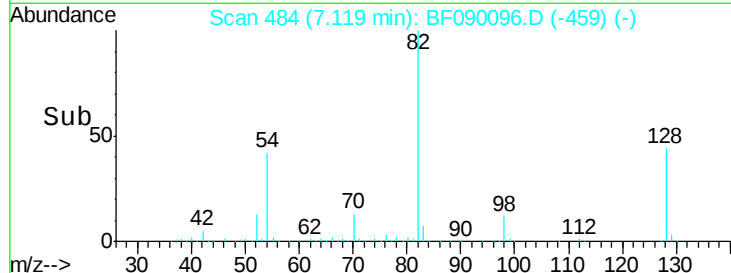
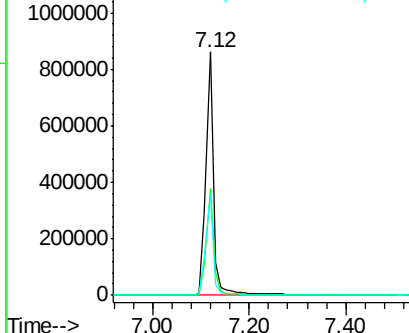
#23
 Nitrobenzene-d5
 Concen: 84.24 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Instrument :
 BNA_F
 ClientSampled :
 WASTE

Tgt Ion: 82 Resp: 968939
 Ion Ratio Lower Upper
 82 100
 128 44.0 37.5 56.3
 54 41.6 31.9 47.9

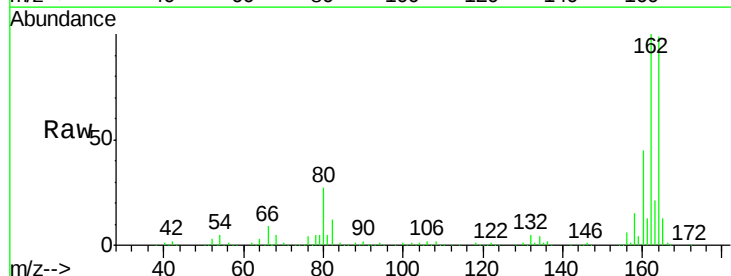


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

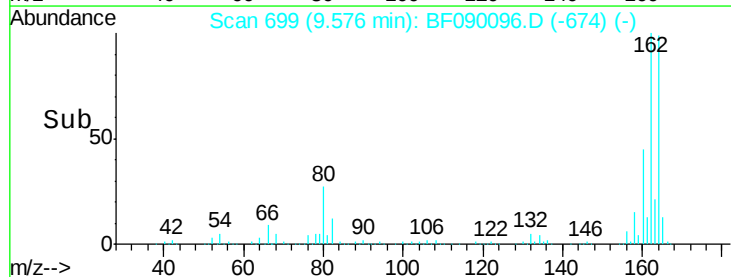
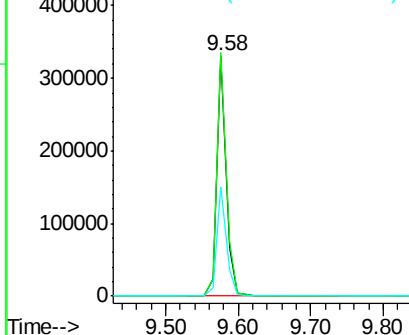


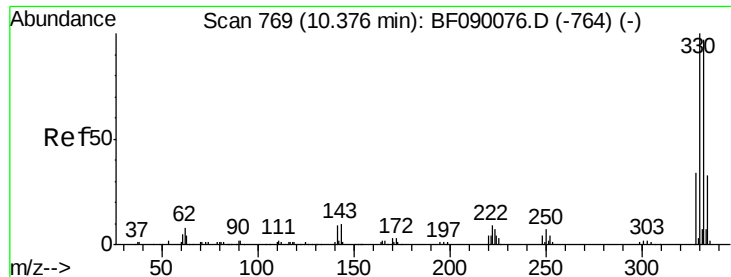
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Tgt Ion: 164 Resp: 295280
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.4 122.2
 160 45.5 36.6 54.8



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

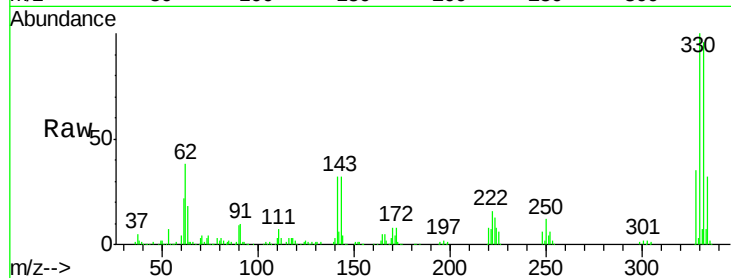




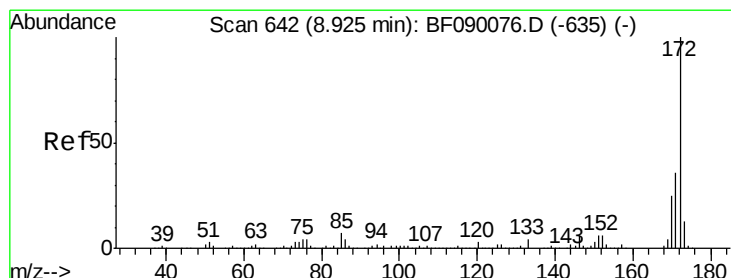
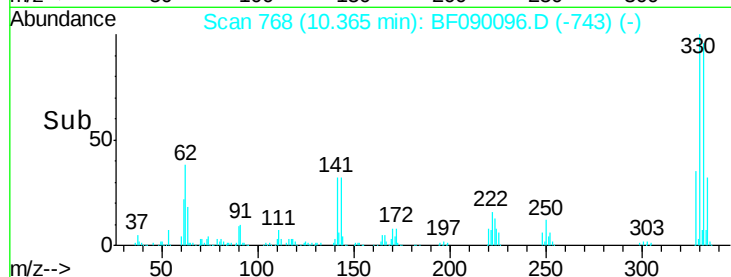
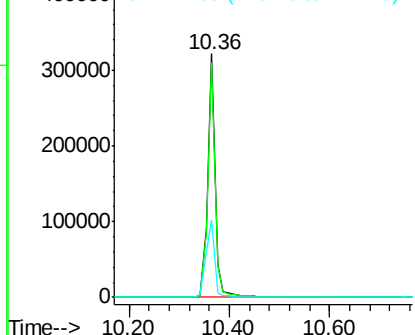
#41
 2,4,6-Tribromophenol
 Concen: 113.16 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion:330 Resp: 335643
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.1 117.1
 141 36.8 23.9 35.9#

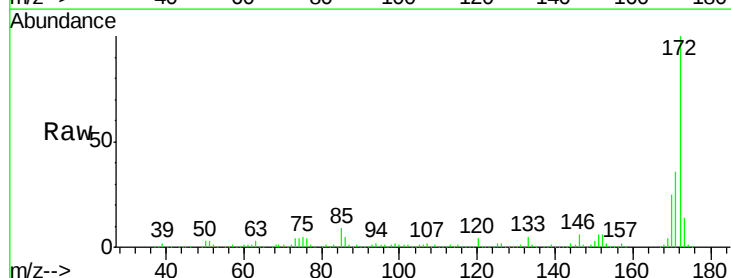


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

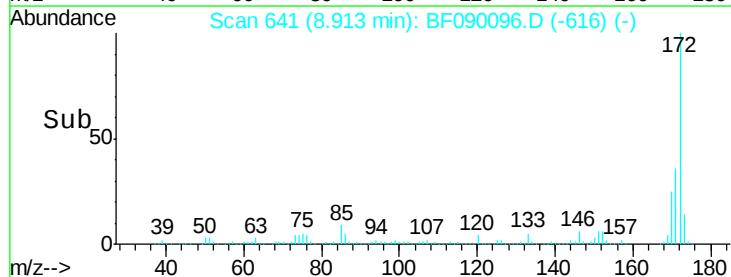
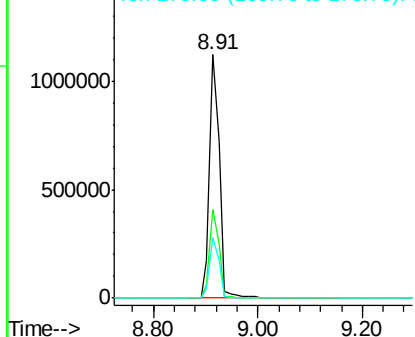


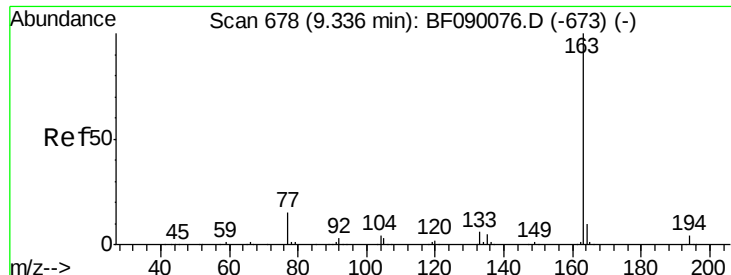
#44
 2-Fluorobiphenyl
 Concen: 77.95 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090096.D
 Acq: 15 Sep 2016 17:19

Tgt Ion:172 Resp: 1465620
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.7 19.8 29.8



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

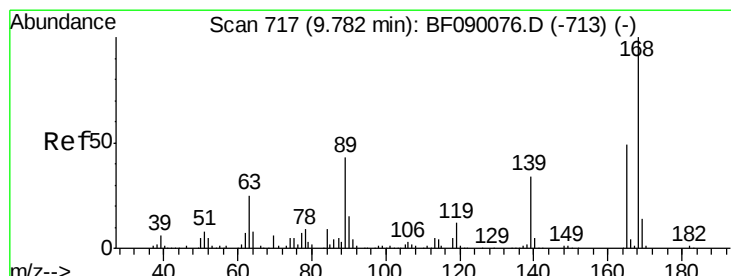
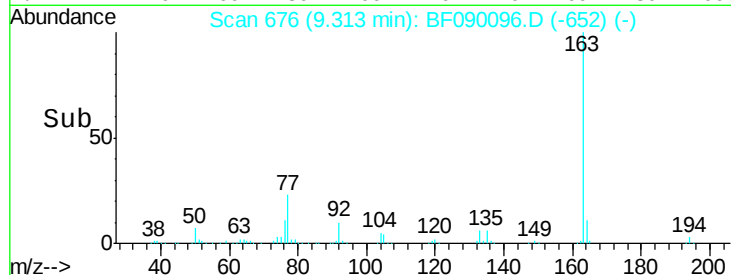
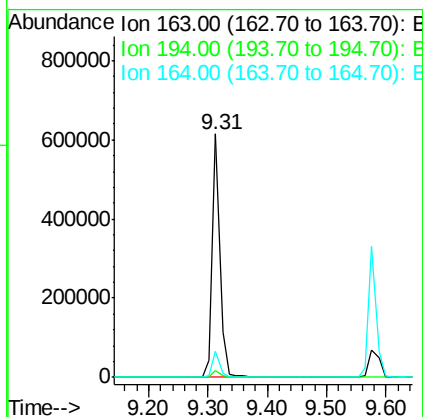
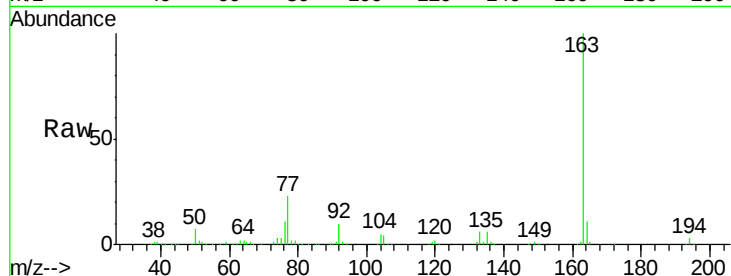




#49
Dimethylphthalate
Concen: 25.08 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

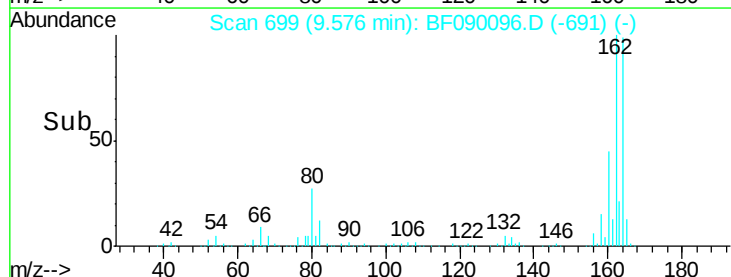
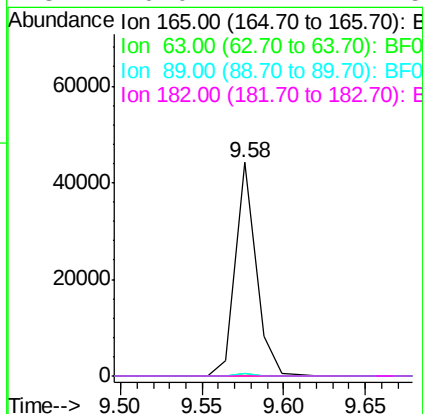
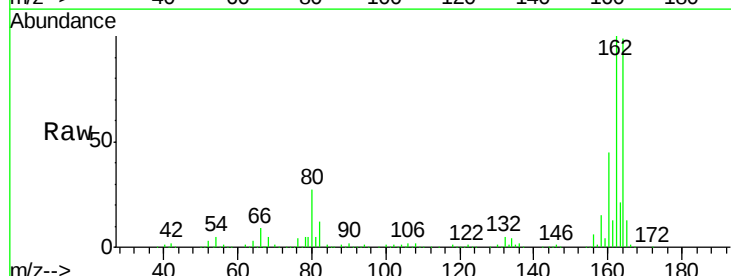
Instrument :
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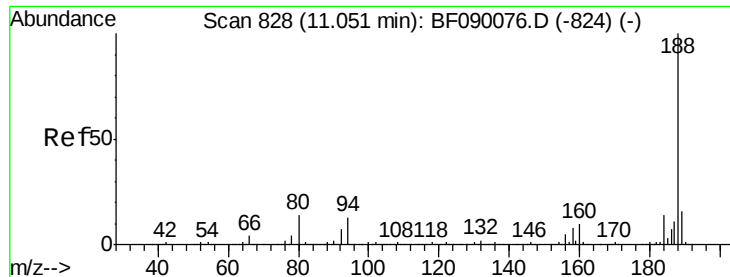
Tgt Ion:163 Resp: 550132
Ion Ratio Lower Upper
163 100
194 2.8 2.8 4.2
164 10.5 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.21 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion:165 Resp: 38700
Ion Ratio Lower Upper
165 100
63 1.2 44.4 66.6#
89 1.5 70.1 105.1#
182 0.0 1.7 2.5#

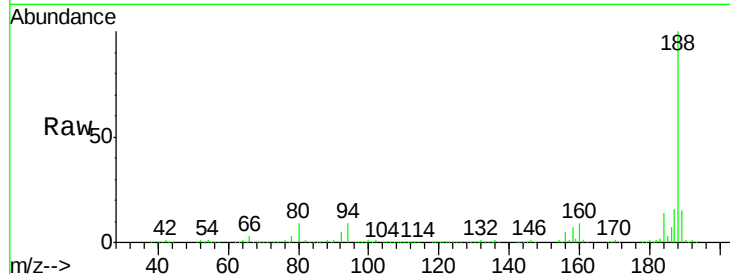




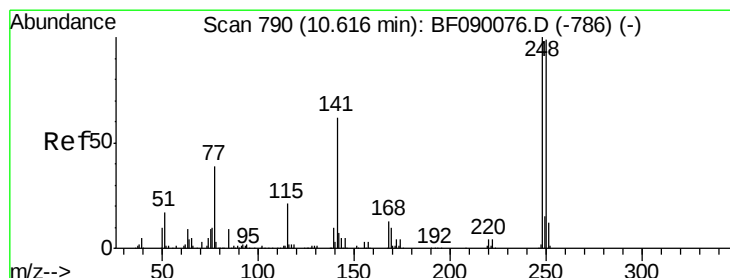
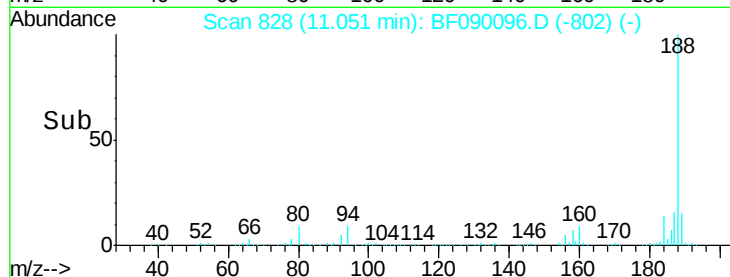
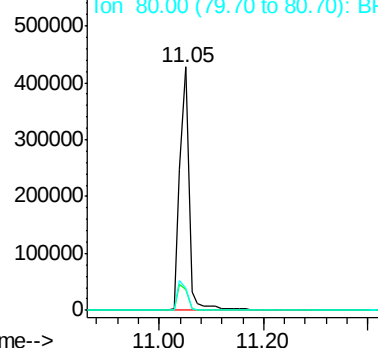
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 527706
Ion Ratio Lower Upper
188 100
94 8.8 10.5 15.7#
80 9.0 11.2 16.8#

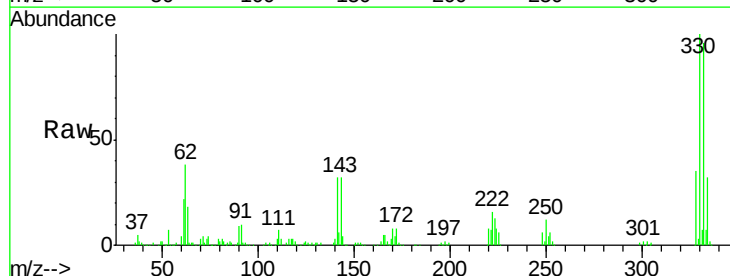


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

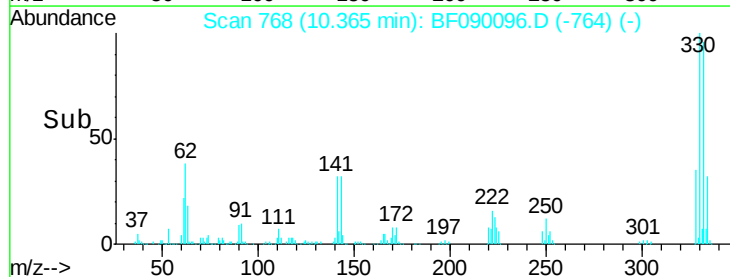
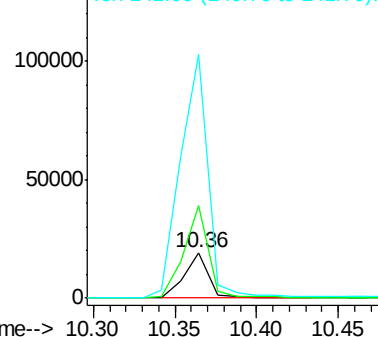


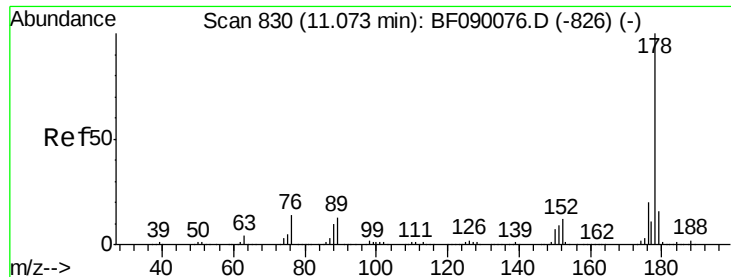
#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion:248 Resp: 19652
Ion Ratio Lower Upper
248 100
250 204.9 79.4 119.2#
141 536.6 49.3 73.9#



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

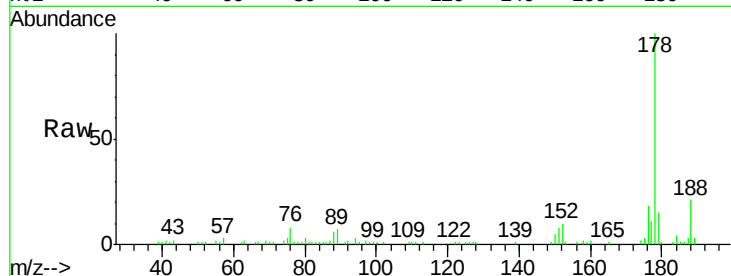




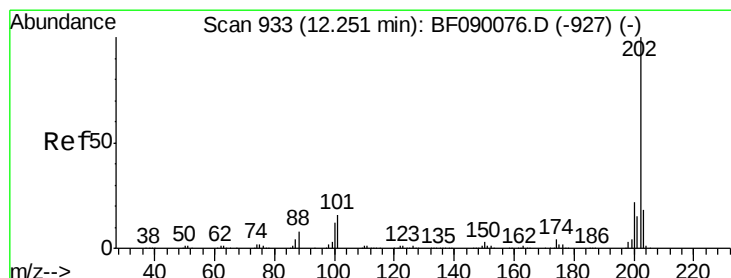
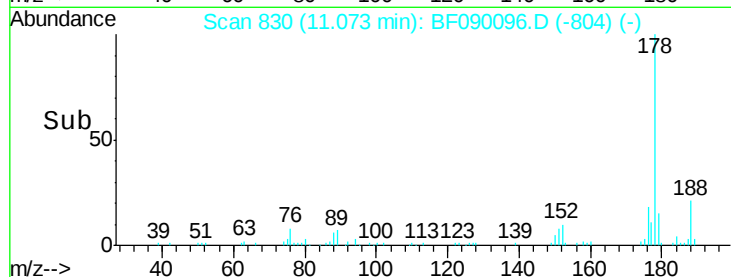
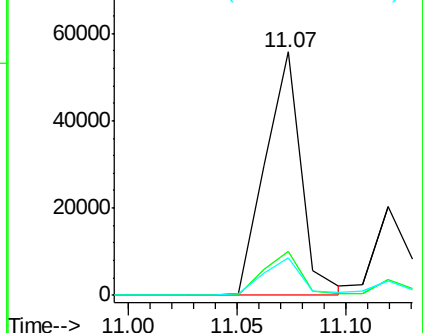
#70
Phenanthrene
Concen: 2.52 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:178 Resp: 64363
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.2 12.9 19.3

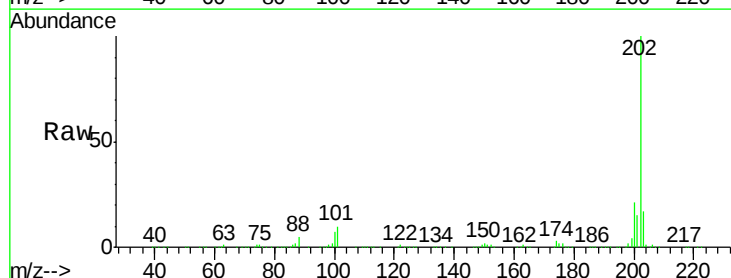


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

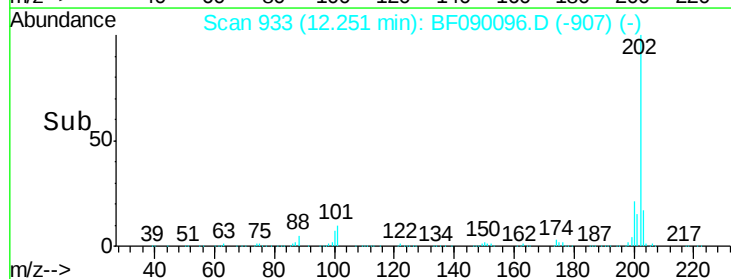
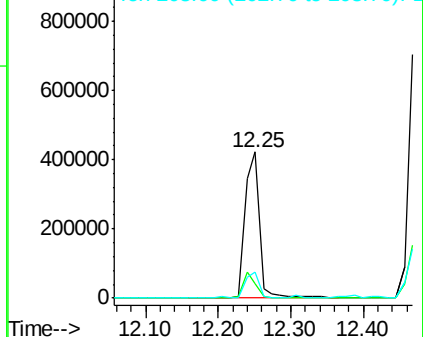


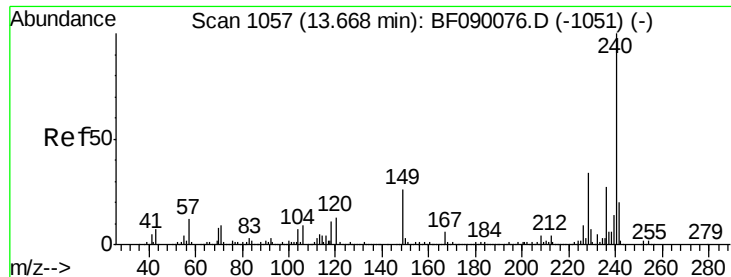
#74
Fluoranthene
Concen: 21.82 ng
RT: 12.25 min Scan# 933
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion:202 Resp: 583089
Ion Ratio Lower Upper
202 100
101 10.3 0.0 36.1
203 17.4 0.0 38.2



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: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

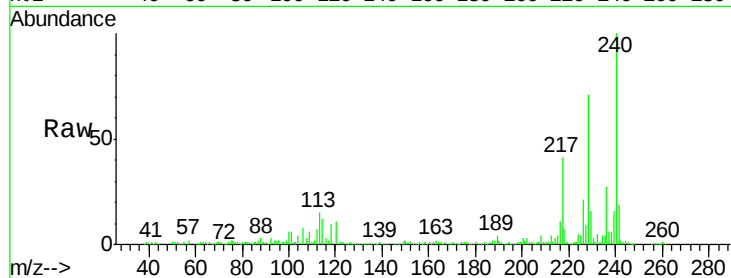
Tgt Ion:240 Resp: 310099

Ion Ratio Lower Upper

240 100

120 11.3 10.6 16.0

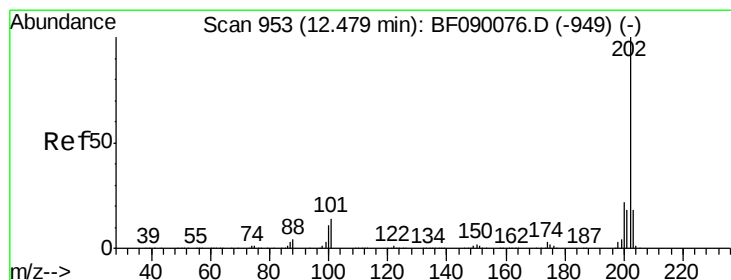
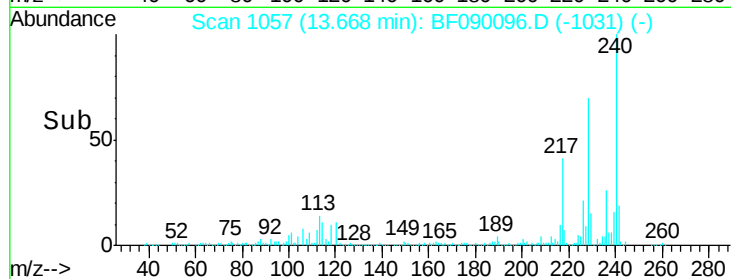
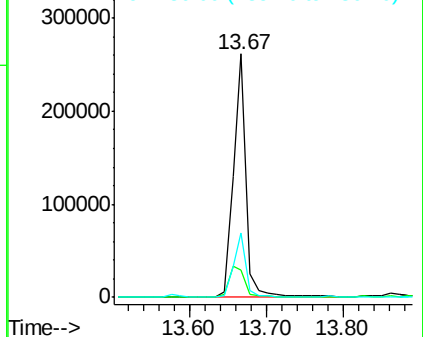
236 26.6 21.6 32.4



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



#77

Pyrene

Concen: 34.03 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

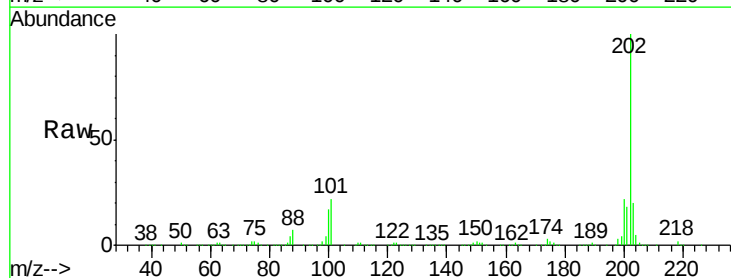
Tgt Ion:202 Resp: 770102

Ion Ratio Lower Upper

202 100

200 22.1 17.9 26.9

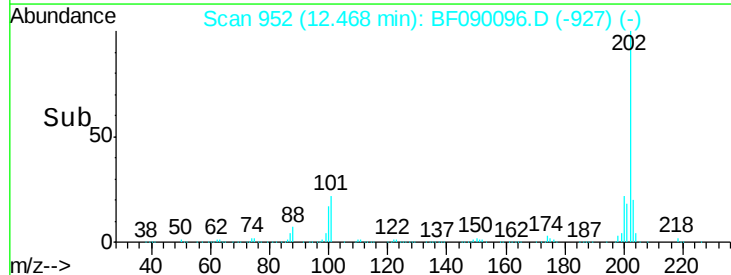
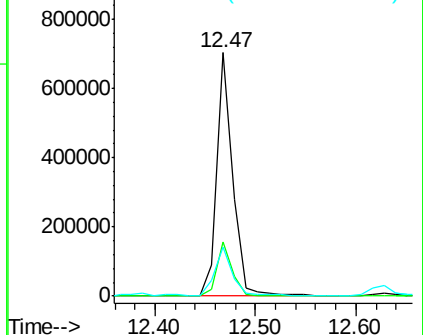
203 20.1 14.2 21.4

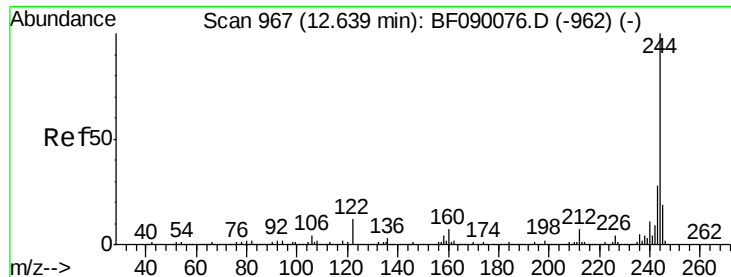


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.73 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

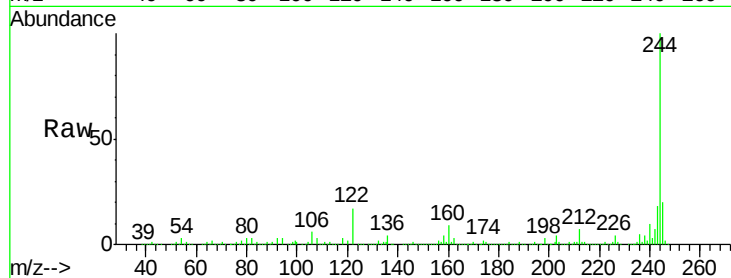
Tgt Ion:244 Resp: 1119483

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

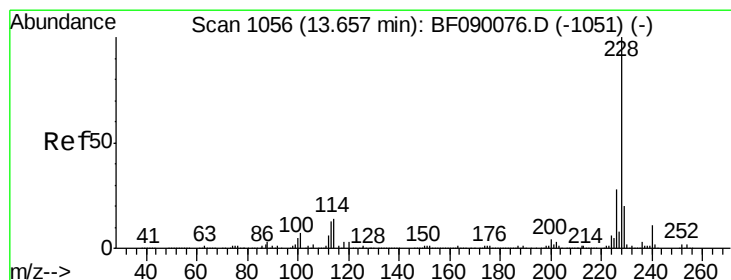
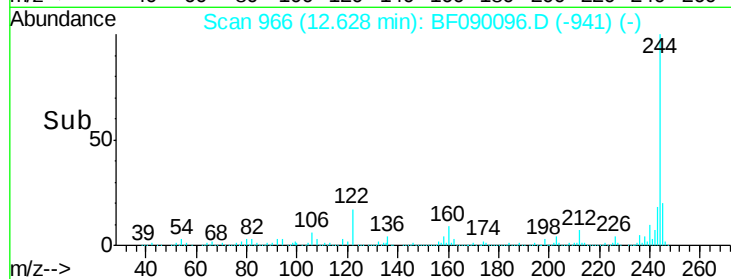
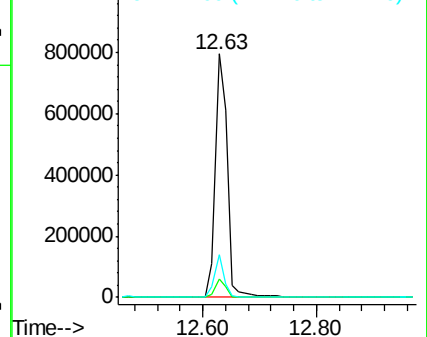
122 17.3 9.4 14.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 44.63 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

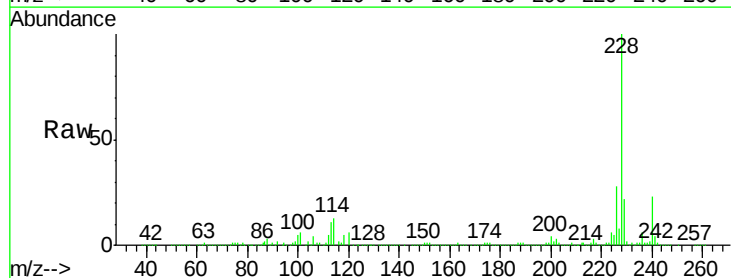
Tgt Ion:228 Resp: 807871

Ion Ratio Lower Upper

228 100

226 27.9 22.0 33.0

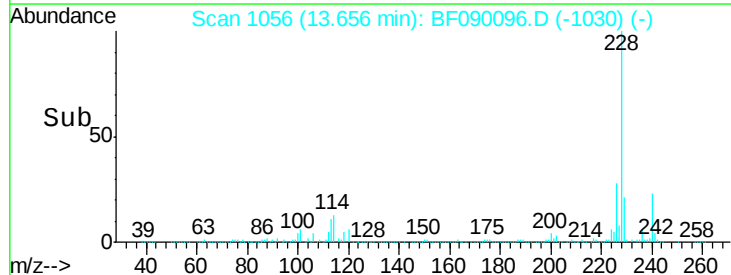
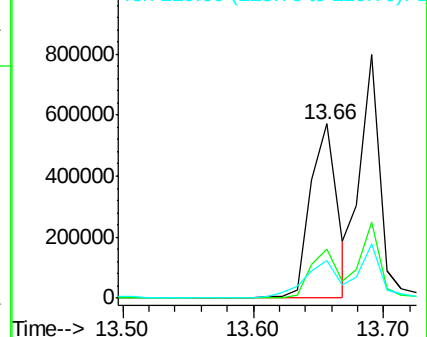
229 21.6 16.2 24.2

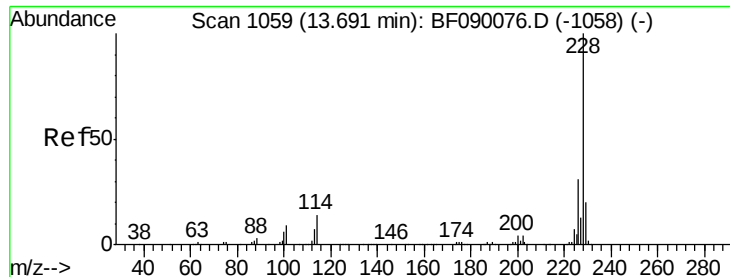


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 50.23 ng

RT: 13.69 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

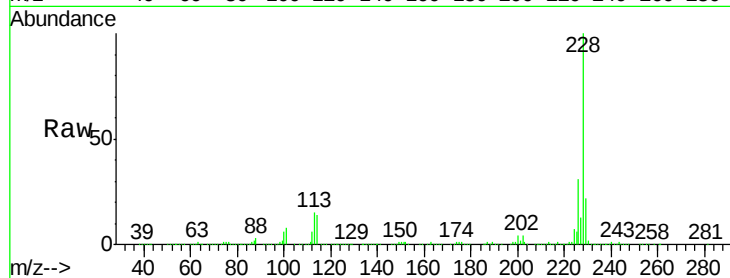
Tgt Ion:228 Resp: 852893

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

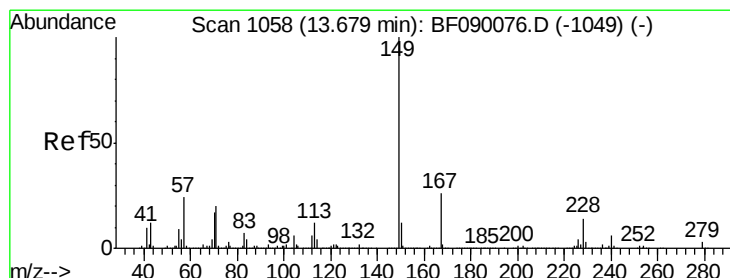
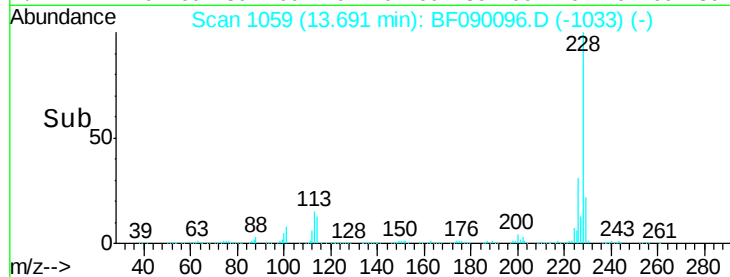
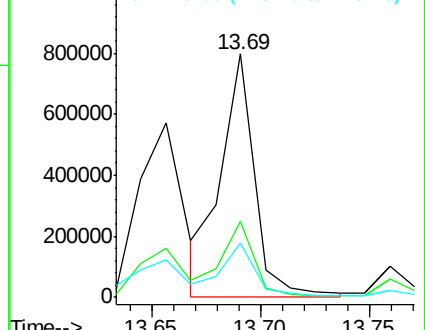
229 22.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.17 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

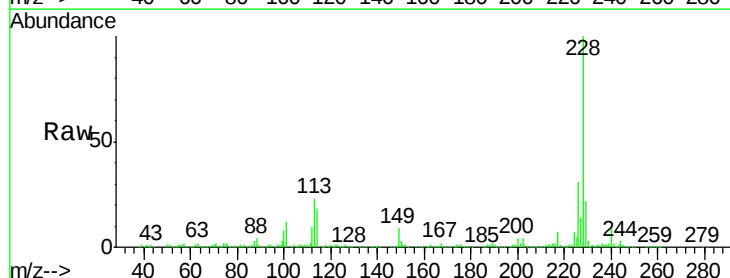
Tgt Ion:149 Resp: 30224

Ion Ratio Lower Upper

149 100

167 25.4 21.2 31.8

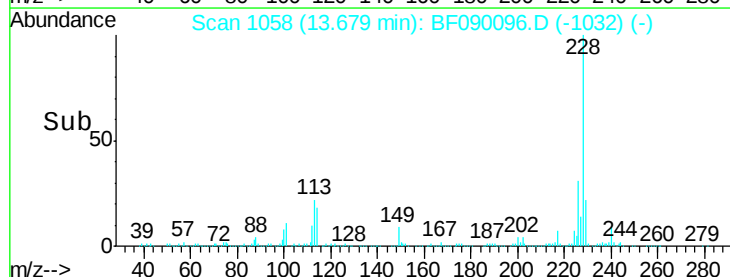
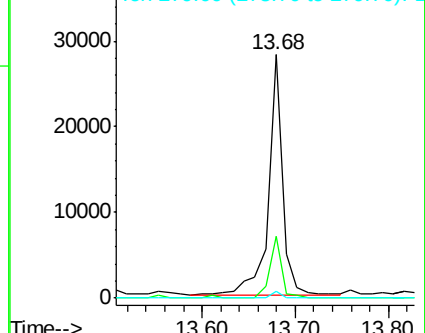
279 3.0 2.2 3.2

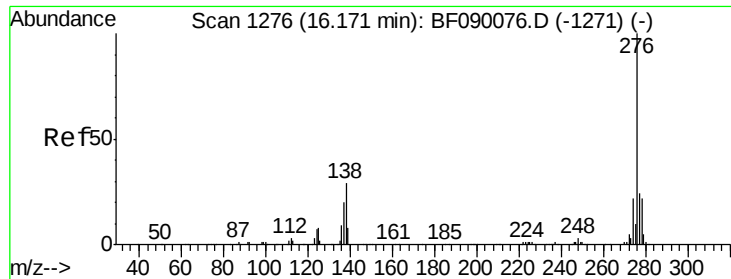


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

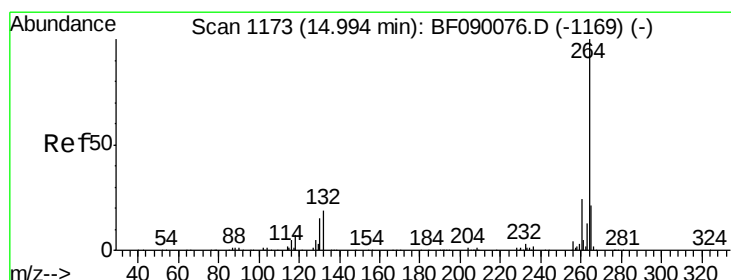
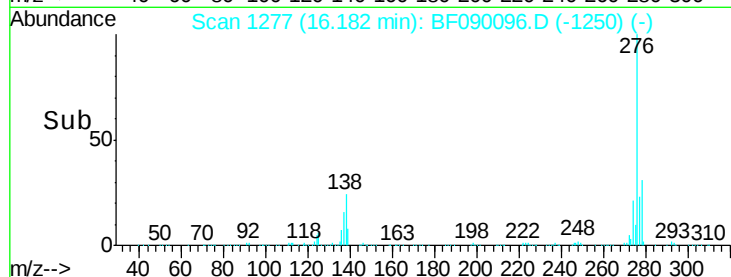
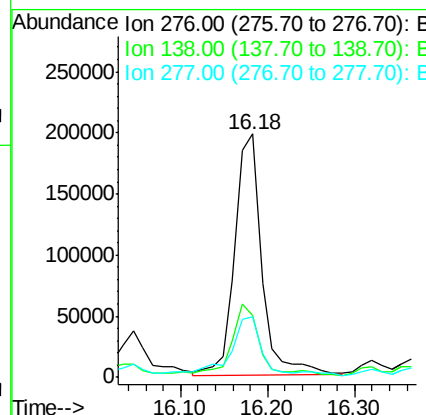
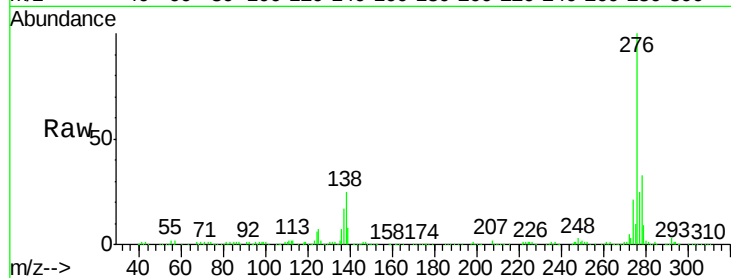




#85
Indeno(1,2,3-cd)pyrene
Concen: 28.82 ng
RT: 16.18 min Scan# 1277
Delta R.T. 0.01 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

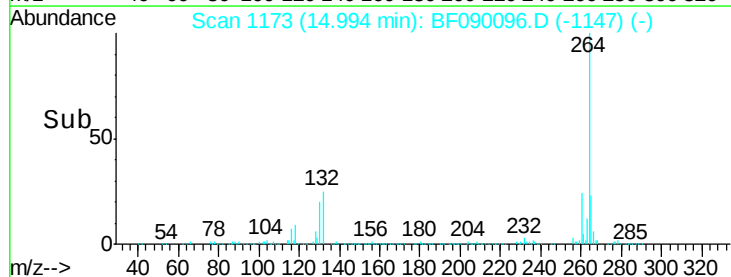
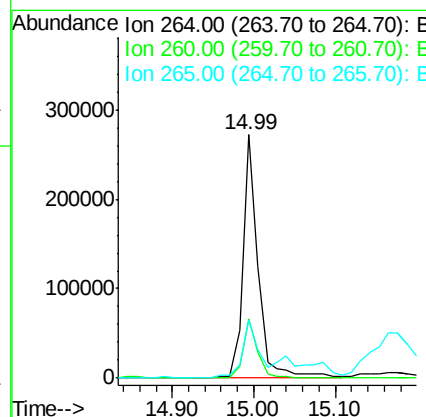
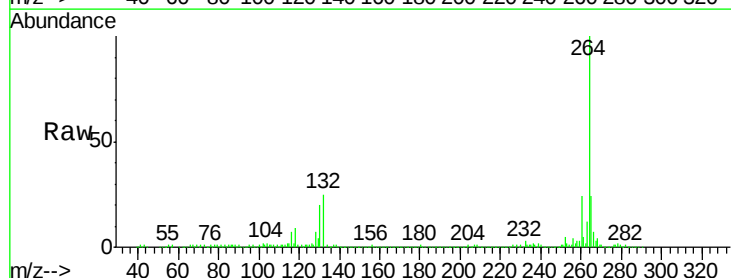
Instrument :
BNA_F
ClientSampled :
WASTE

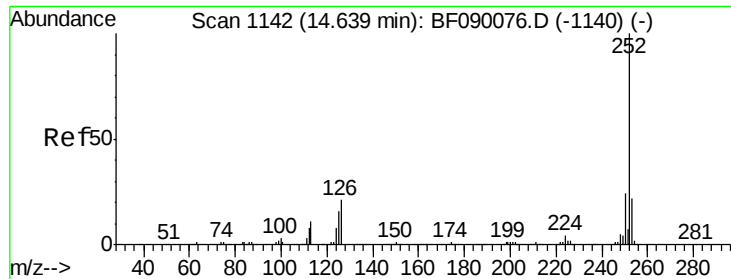
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.2	25.9	38.9
277	24.0	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF090096.D
Acq: 15 Sep 2016 17:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.7	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 78.12 ng

RT: 14.65 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampled :

WASTE

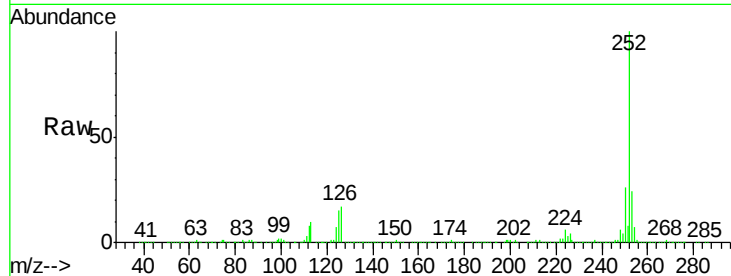
Tgt Ion:252 Resp: 1605948

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

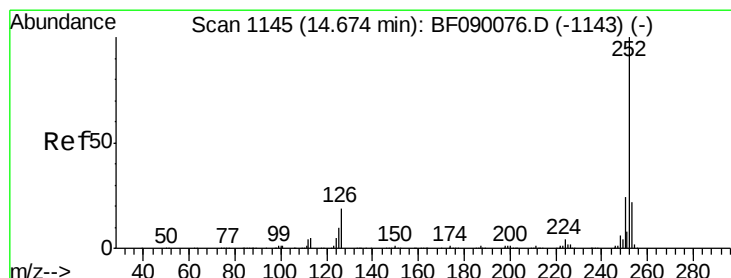
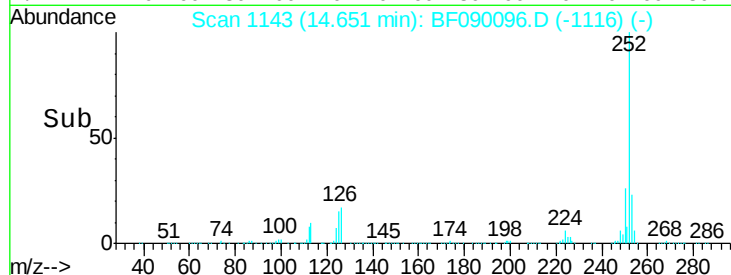
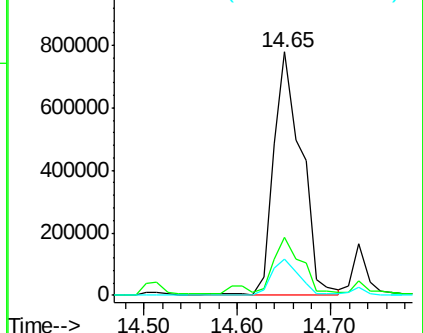
125 14.9 12.7 19.1



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



#88

Benzo(k)fluoranthene

Concen: 86.77 ng

RT: 14.65 min Scan# 1143

Delta R.T. -0.02 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

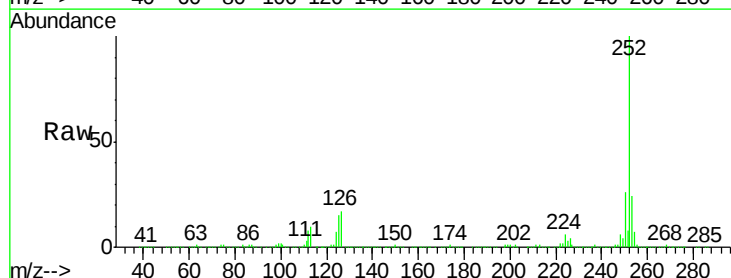
Tgt Ion:252 Resp: 1605948

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

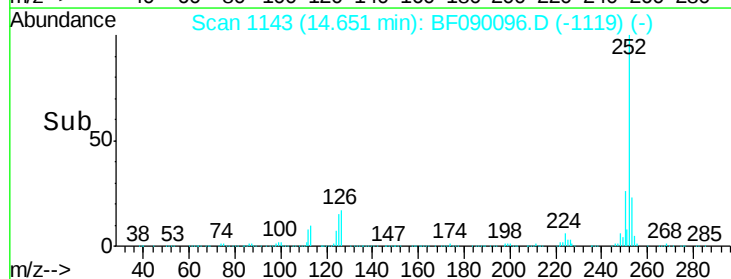
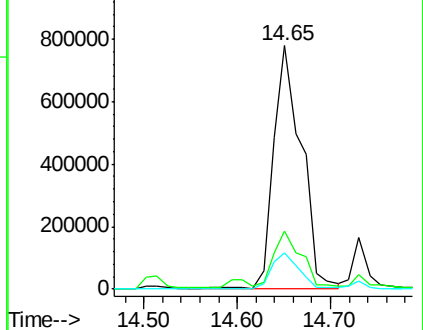
125 14.9 7.8 11.6#

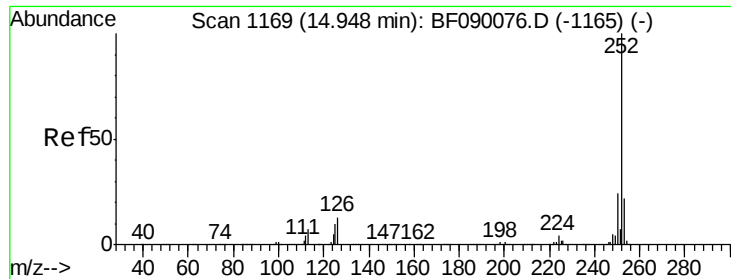


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 43.71 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE

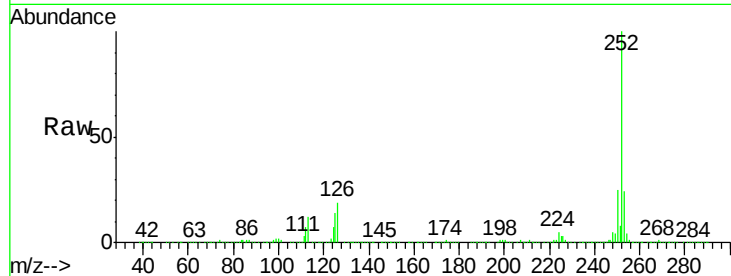
Tgt Ion:252 Resp: 805866

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

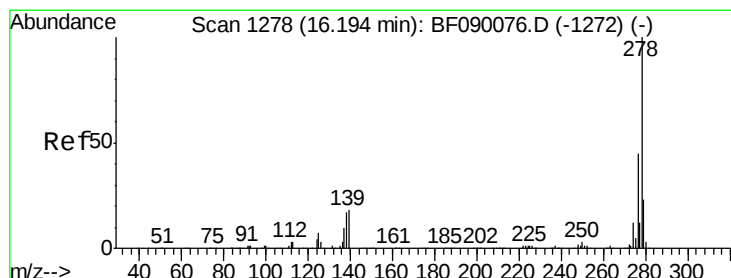
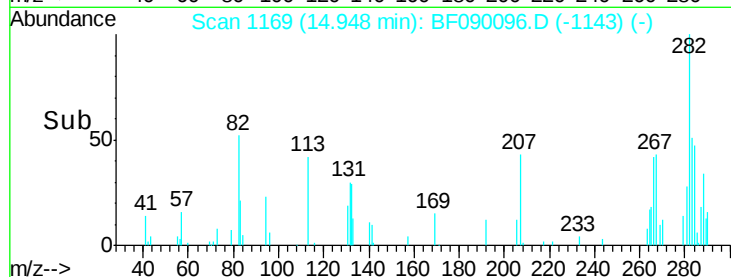
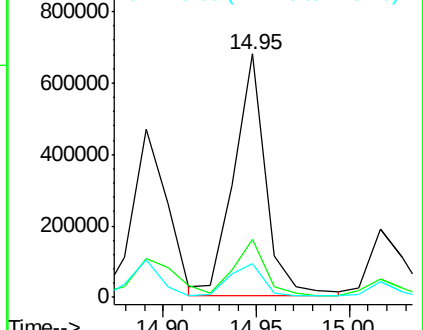
125 13.9 7.7 11.5#



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



#90

Dibenzo(a,h)anthracene

Concen: 5.85 ng

RT: 16.32 min Scan# 1289

Delta R.T. 0.13 min

Lab File: BF090096.D

Acq: 15 Sep 2016 17:19

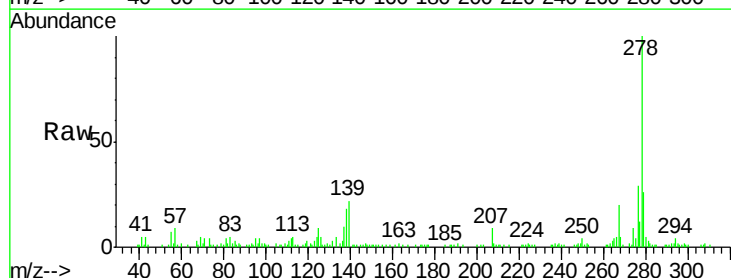
Tgt Ion:278 Resp: 84449

Ion Ratio Lower Upper

278 100

139 21.6 14.6 21.8

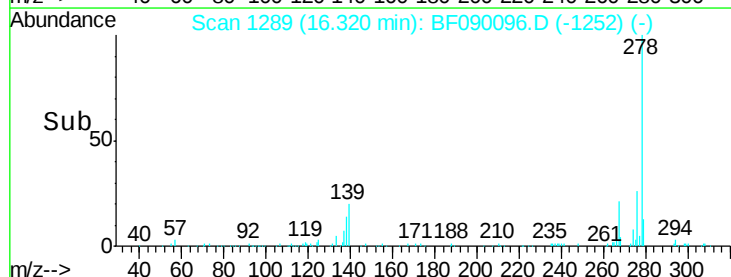
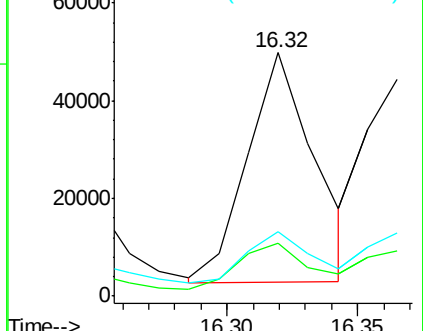
279 26.4 18.8 28.2

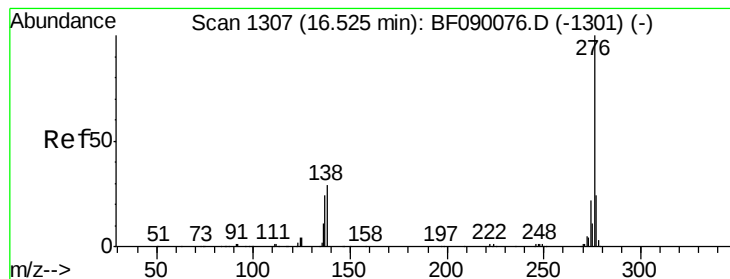


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 25.64 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF090096.D

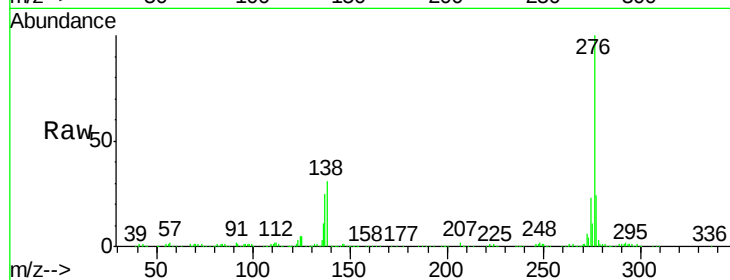
Acq: 15 Sep 2016 17:19

Instrument :

BNA_F

ClientSampleId :

WASTE



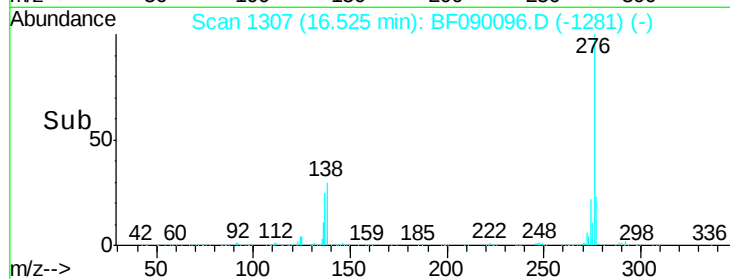
Tgt Ion: 276 Resp: 353320

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 30.5 23.3 34.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

