

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020516\
 Data File : BE091401.D
 Acq On : 5 Feb 2016 15:50
 Operator : UM/IZ
 Sample : H1339-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160202

Quant Time: Feb 05 16:47:59 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

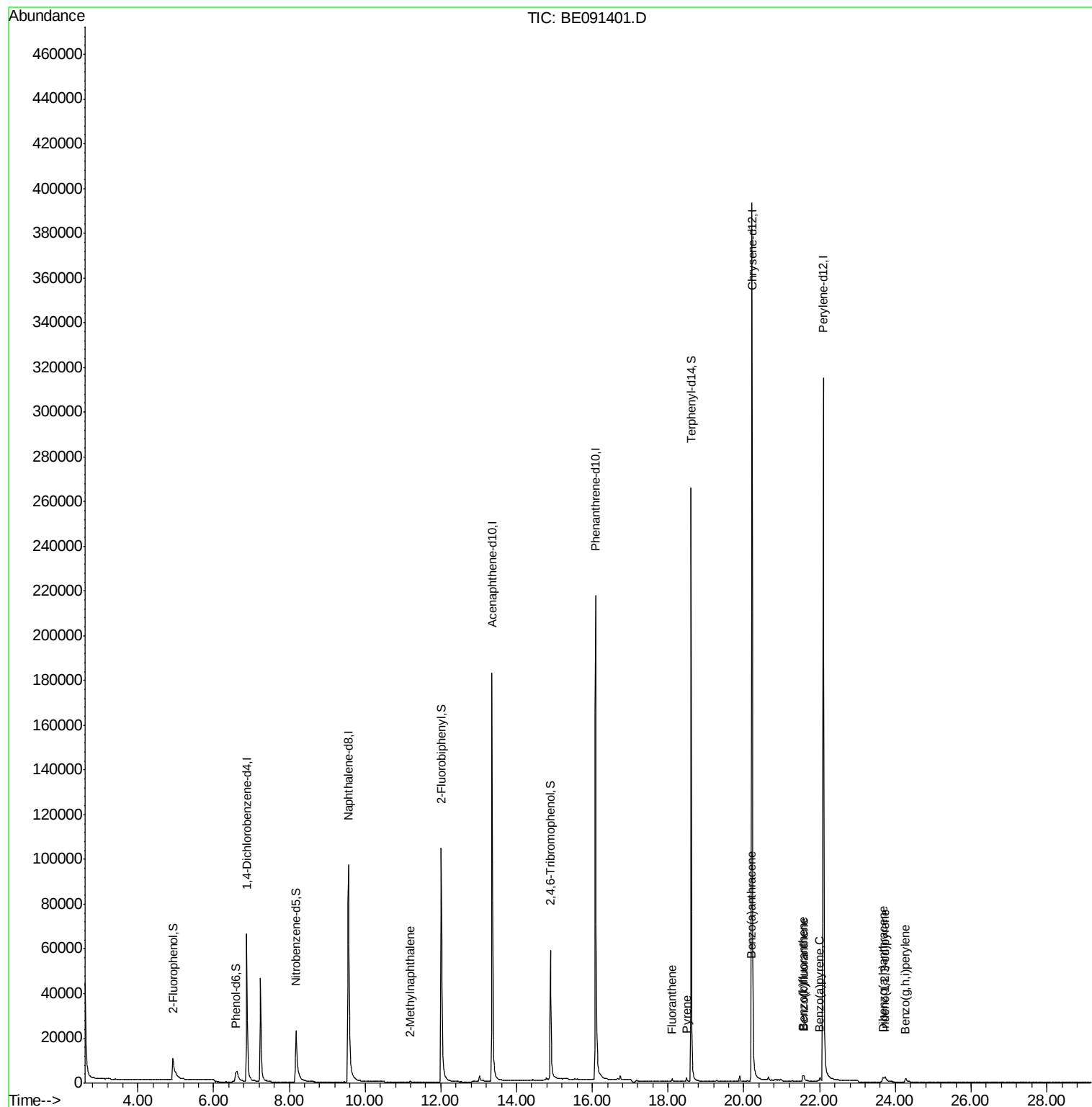
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	40443	5.00	ng	0.00
4) Naphthalene-d8	9.56	136	189950	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	124985	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	323113	5.00	ng	0.00
18) Chrysene-d12	20.22	240	385026	5.00	ng	0.00
24) Perylene-d12	22.10	264	370696	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.92	112	18569	2.10	ng	-0.02
3) Phenol-d6	6.58	99	13692	1.19	ng	0.02
5) Nitrobenzene-d5	8.17	82	41309	3.38	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	33810	5.63	ng	-0.01
10) 2-Fluorobiphenyl	12.01	172	145036	4.46	ng	0.00
20) Terphenyl-d14	18.61	244	290407	5.10	ng	0.00
Target Compounds						Qvalue
7) 2-Methylnaphthalene	11.18	142	683	0.15	ng	# 92
17) Fluoranthene	18.10	202	1781	0.14	ng	95
19) Pyrene	18.48	202	1823	0.02	ng	95
21) Benzo(a)anthracene	20.19	228	3156	0.21	ng	96
23) Indeno(1,2,3-cd)pyrene	23.73	276	4077	0.21	ng	96
25) Benzo(b)fluoranthene	21.56	252	2606	0.18	ng	# 81
26) Benzo(k)fluoranthene	21.58	252	3335	0.05	ng	# 84
27) Benzo(a)pyrene	22.01	252	2311	0.20	ng	# 70
28) Dibenzo(a,h)anthracene	23.68	278	4674	0.30	ng	# 92
29) Benzo(g,h,i)perylene	24.27	276	3799	0.18	ng	# 83

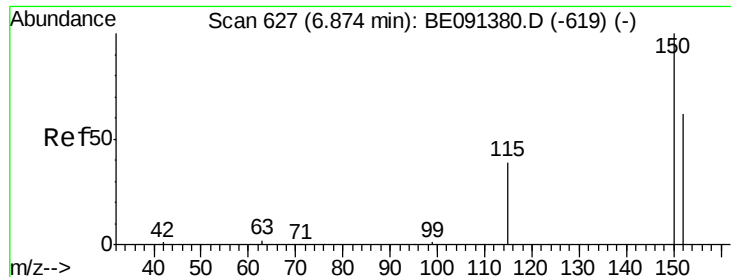
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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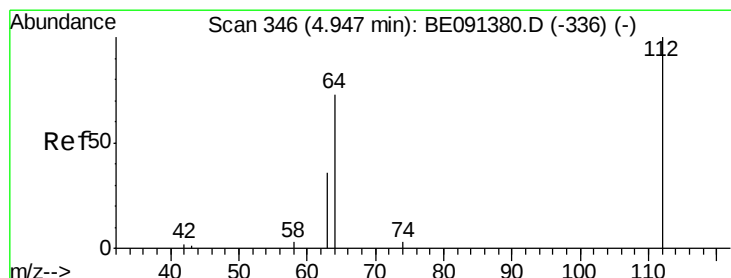
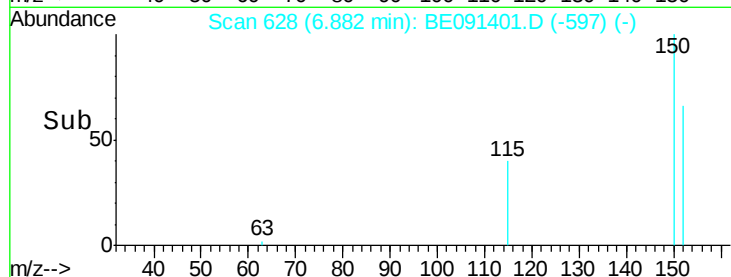
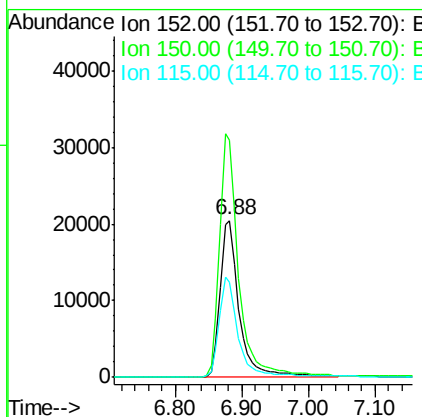
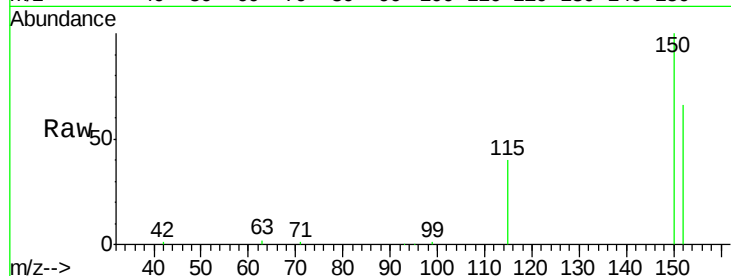


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.88 min Scan# 628
Delta R.T. 0.01 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160202

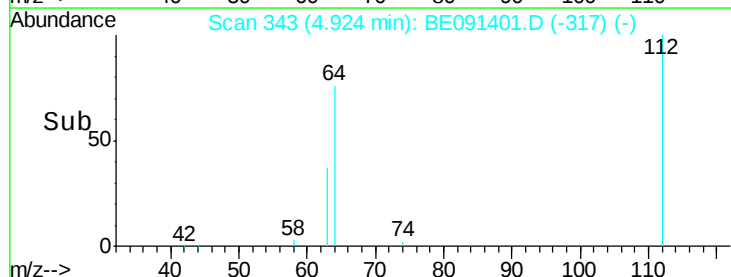
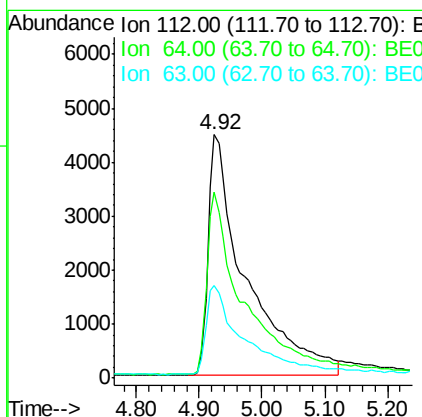
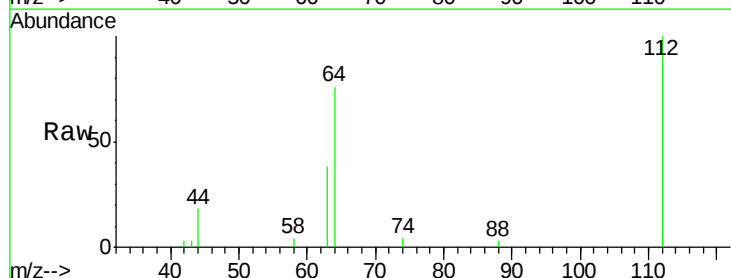
Tot Ion:152 Resp: 40443
Ion Ratio Lower Upper
152 100
150 151.0 128.9 193.3
115 60.6 50.9 76.3

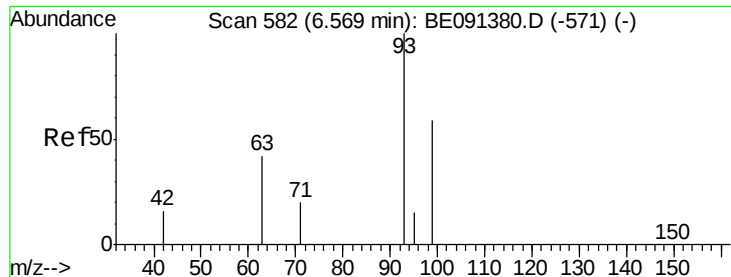


#2

2-Fluorophenol
Concen: 2.10 ng
RT: 4.92 min Scan# 343
Delta R.T. -0.02 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

Tgt Ion:112 Resp: 18569
Ion Ratio Lower Upper
112 100
64 74.6 60.5 90.7
63 37.7 29.8 44.8





#3

Phenol-d6

Concen: 1.19 ng

RT: 6.58 min Scan# 584

Delta R.T. 0.02 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

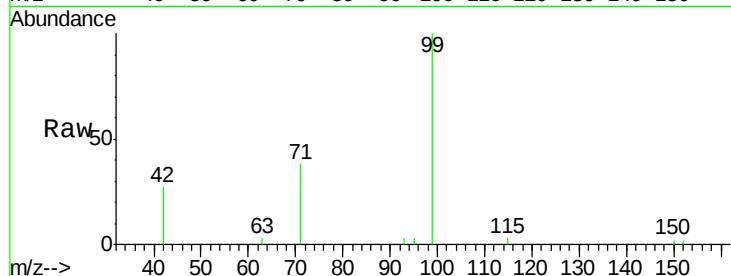
Tot Ion: 99 Resp: 13692

Ion Ratio Lower Upper

99 100

42 0.0 13.3 19.9#

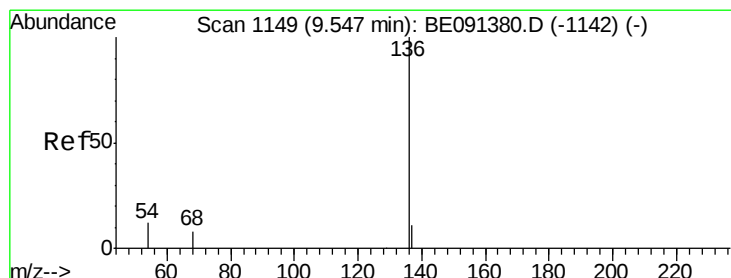
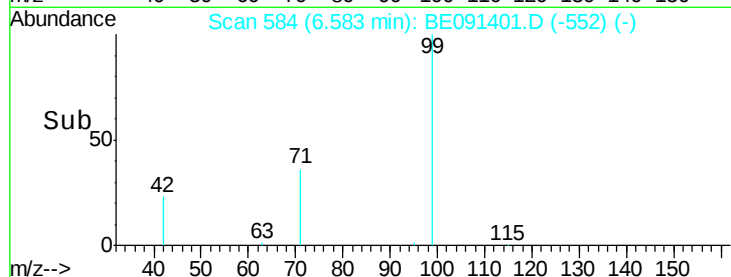
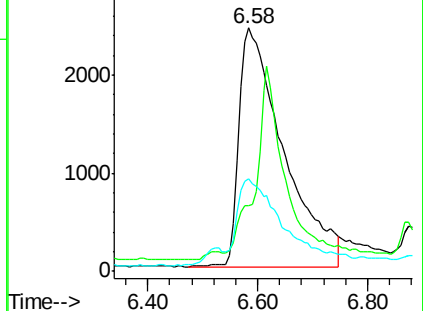
71 30.9 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.56 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Tgt Ion:136 Resp: 189950

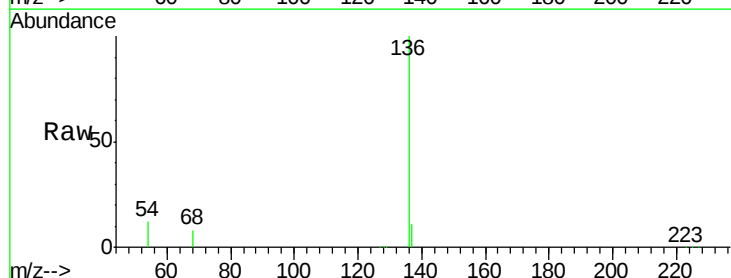
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.9 9.3 13.9

68 8.4 6.7 10.1

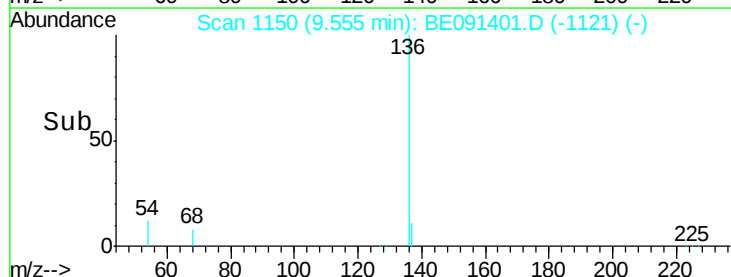
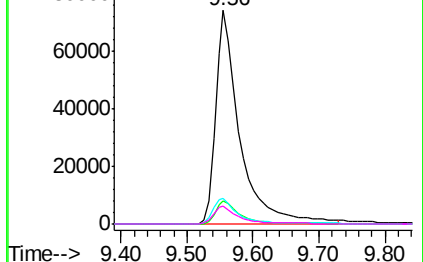


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#5

Nitrobenzene-d5

Concen: 3.38 ng

RT: 8.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

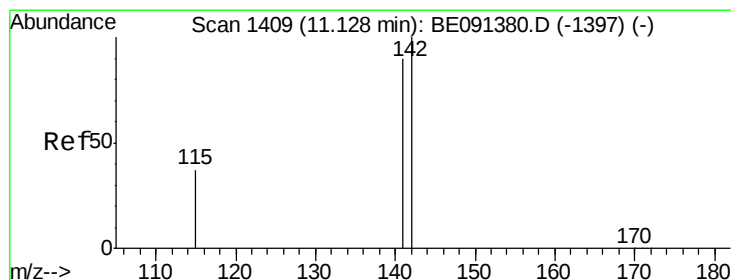
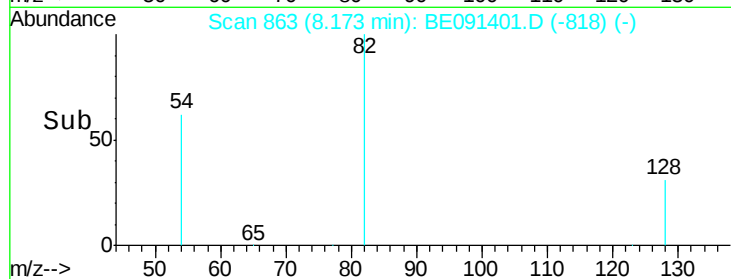
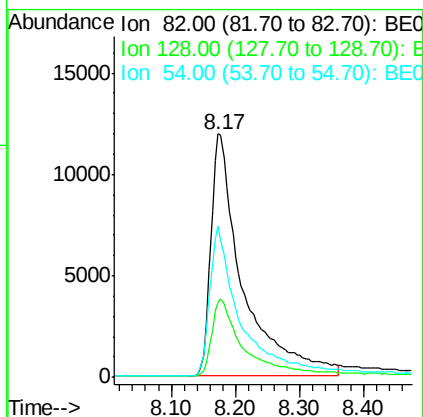
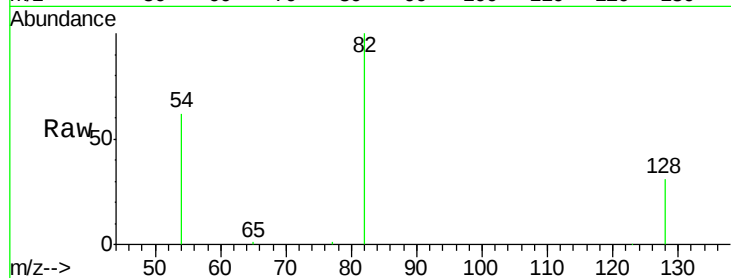
Tot Ion: 82 Resp: 41309

Ion Ratio Lower Upper

82 100

128 30.9 25.0 37.4

54 62.0 48.1 72.1



#7

2-Methylnaphthalene

Concen: 0.15 ng

RT: 11.18 min Scan# 1421

Delta R.T. 0.05 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

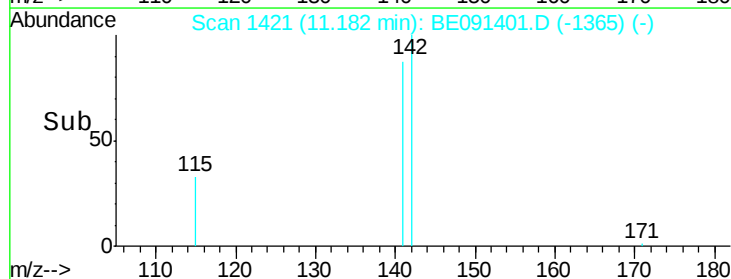
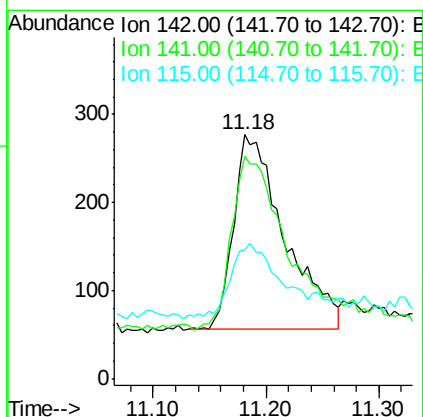
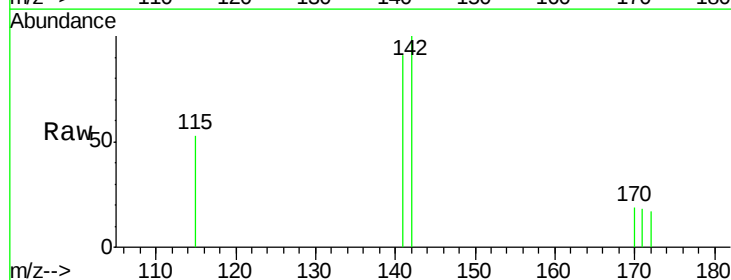
Tgt Ion: 142 Resp: 683

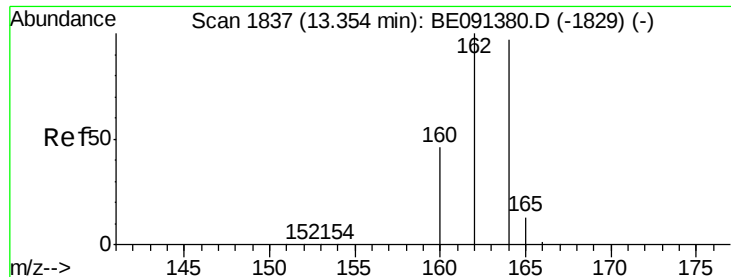
Ion Ratio Lower Upper

142 100

141 91.3 72.3 108.5

115 52.7 30.5 45.7#





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.35 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

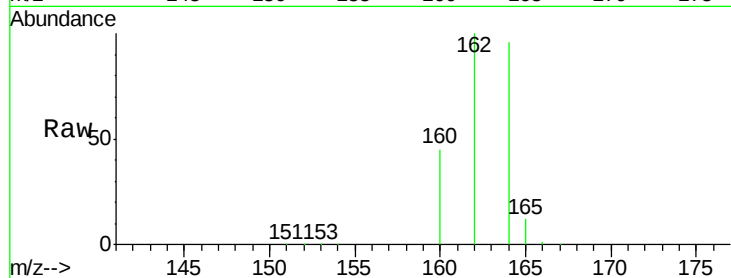
Tot Ion:164 Resp: 124985

Ion Ratio Lower Upper

164 100

162 104.5 82.2 123.2

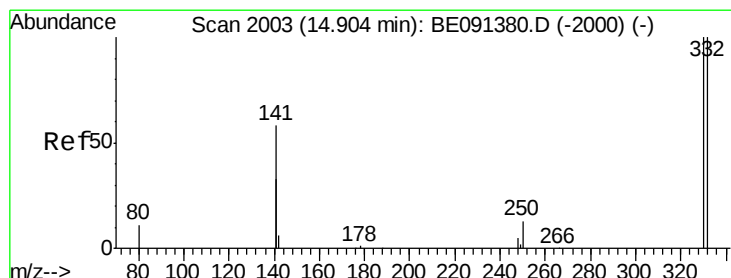
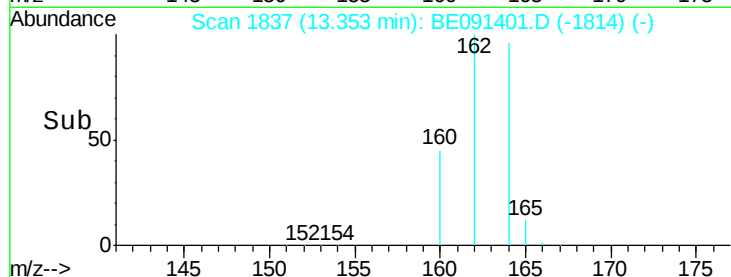
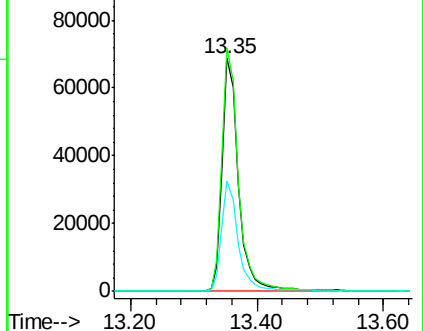
160 47.3 37.8 56.8



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



#9

2,4,6-Tribromophenol

Concen: 5.63 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

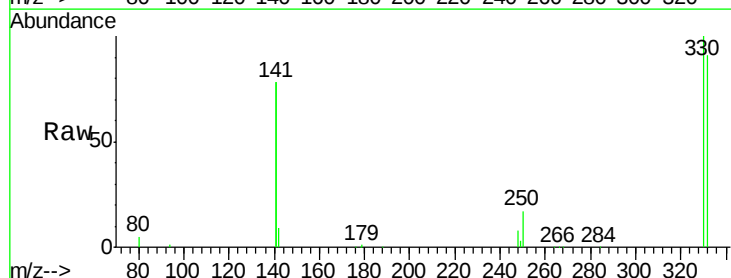
Tgt Ion:330 Resp: 33810

Ion Ratio Lower Upper

330 100

332 96.7 78.8 118.2

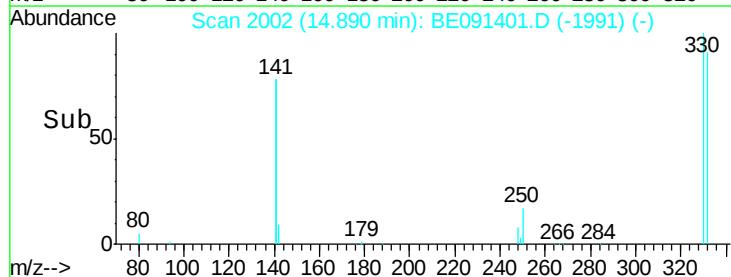
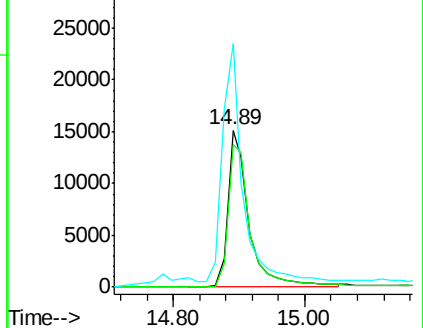
141 143.3 105.1 157.7

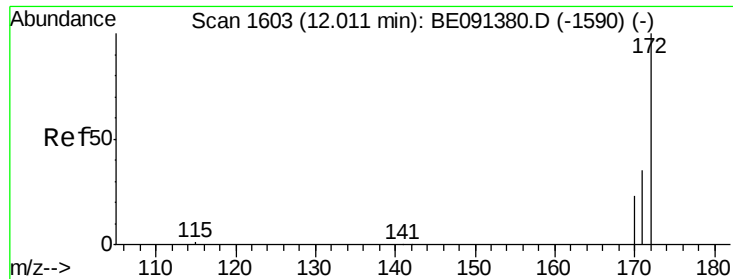


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

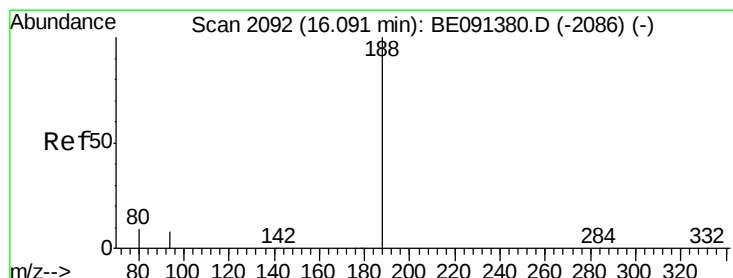
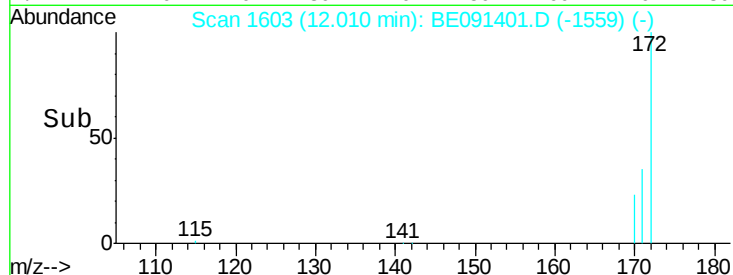
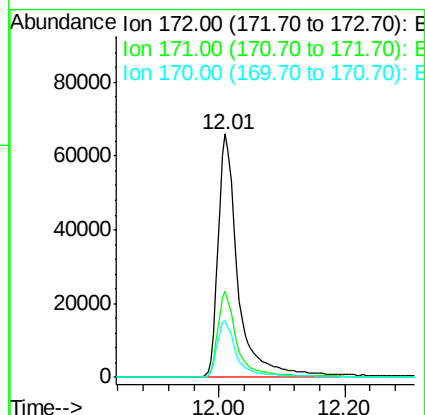
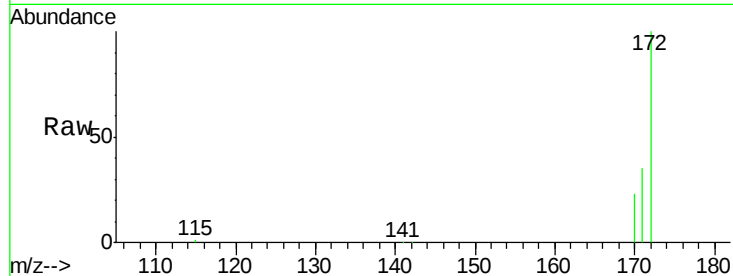




#10
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 12.01 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

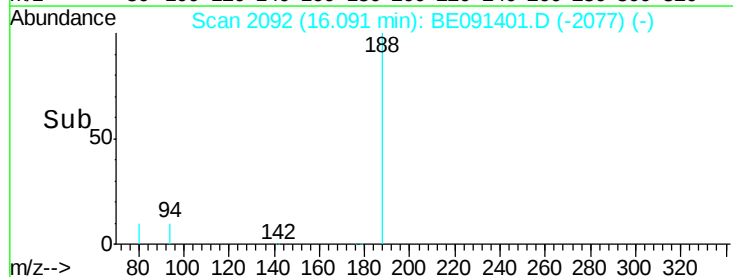
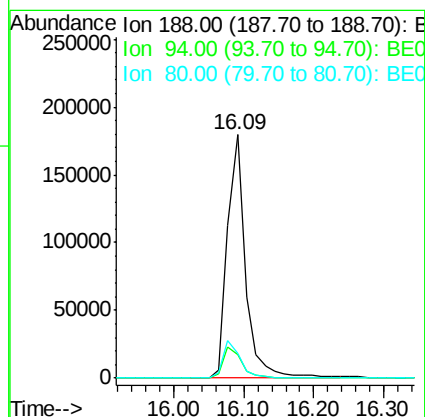
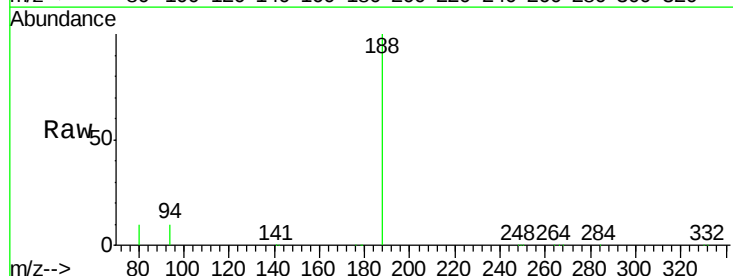
Instrument :
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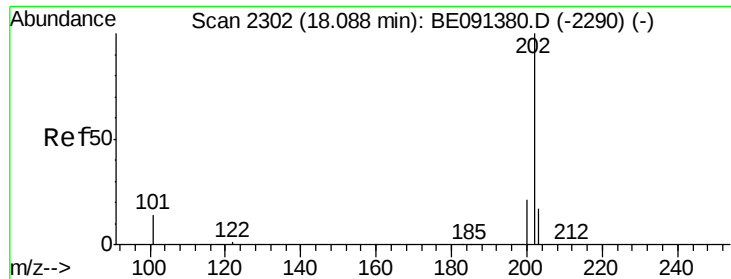
Tot Ion:172 Resp: 145036
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 23.2 18.6 28.0



#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

Tgt Ion:188 Resp: 323113
Ion Ratio Lower Upper
188 100
94 9.7 6.6 10.0
80 10.3 7.0 10.6



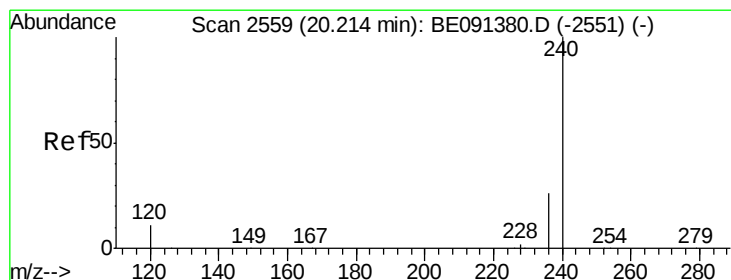
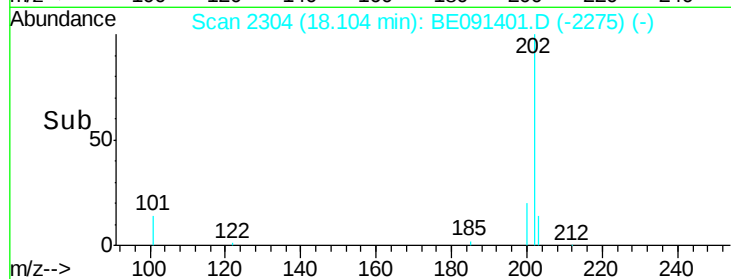
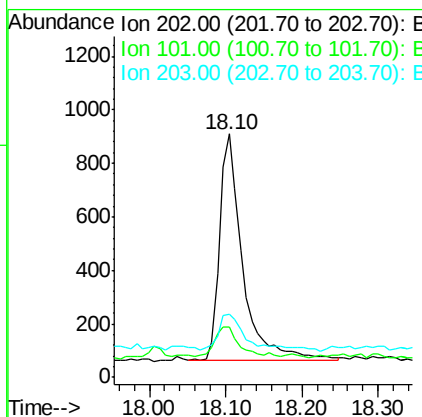
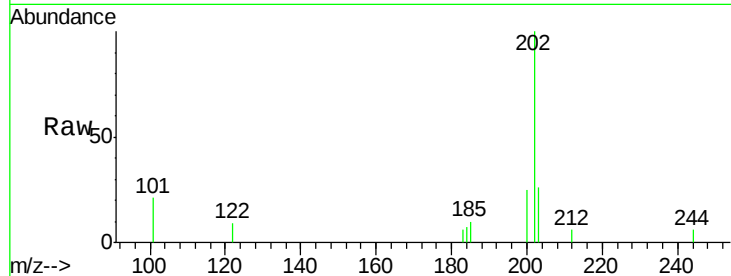


#17
Fluoranthene
 Concen: 0.14 ng
 RT: 18.10 min Scan# 2304
 Delta R.T. 0.02 min
 Lab File: BE091401.D
 Acq: 5 Feb 2016 15:50

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160202

Tot Ion:202 Resp: 1781

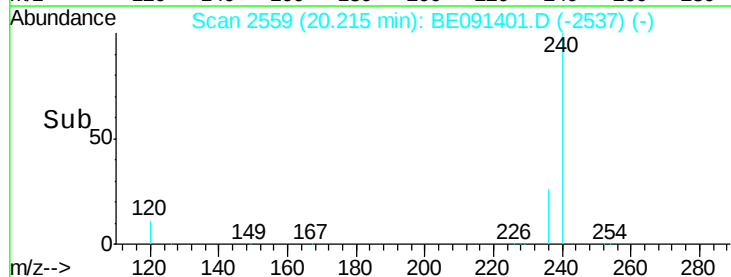
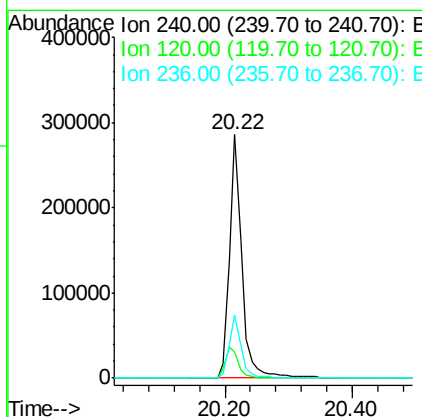
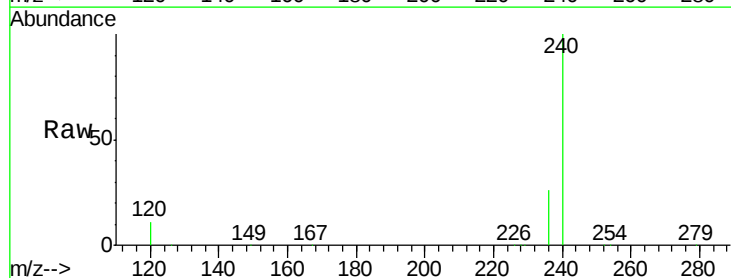
Ion	Ratio	Lower	Upper
202	100		
101	14.5	10.5	15.7
203	20.0	13.9	20.9

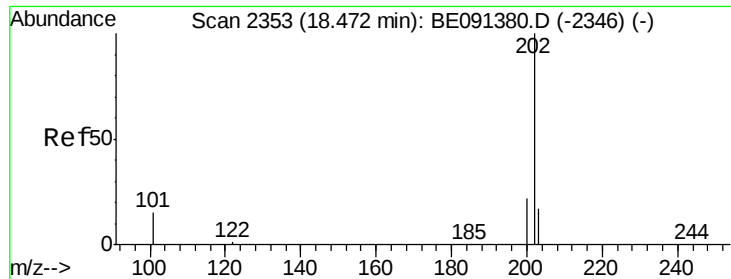


#18
Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091401.D
 Acq: 5 Feb 2016 15:50

Tgt Ion:240 Resp: 385026

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.0	21.0	31.4





#19

Pvrene

Concen: 0.02 ng

RT: 18.48 min Scan# 2354

Delta R.T. 0.01 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

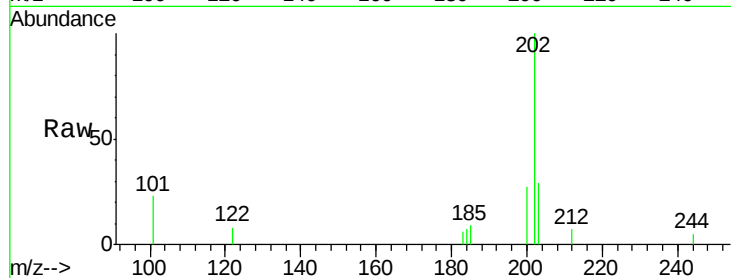
Tot Ion:202 Resp: 1823

Ion Ratio Lower Upper

202 100

200 22.9 16.8 25.2

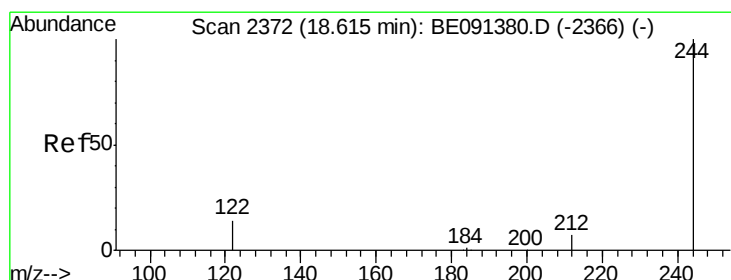
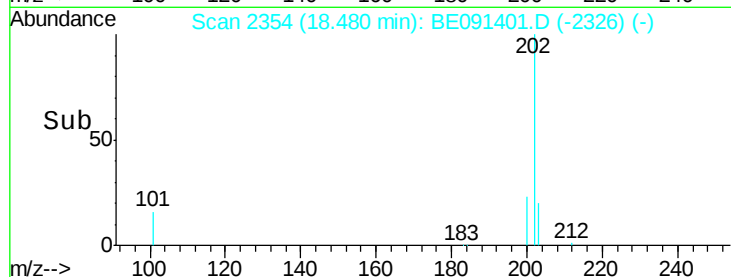
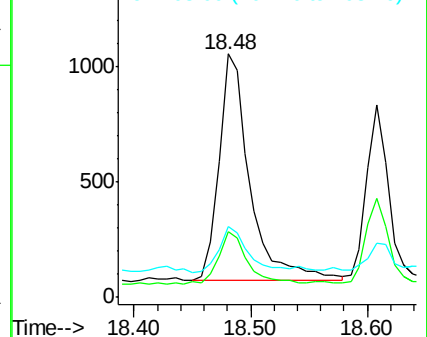
203 20.2 14.0 21.0



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



#20

Terphenyl-d14

Concen: 5.10 ng

RT: 18.61 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

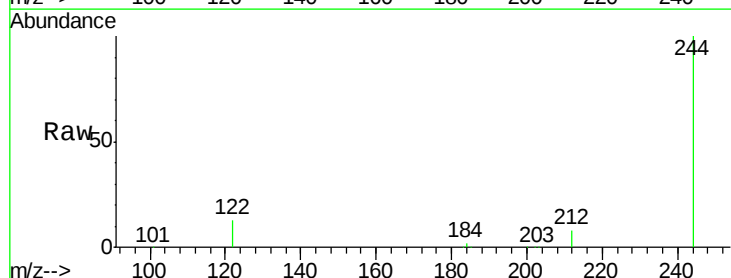
Tgt Ion:244 Resp: 290407

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

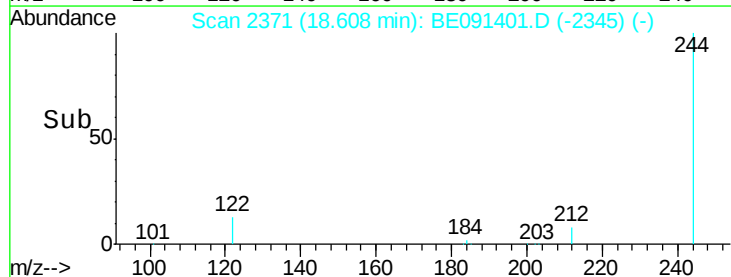
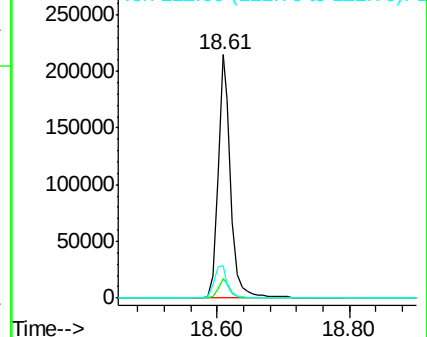
122 13.1 11.0 16.6

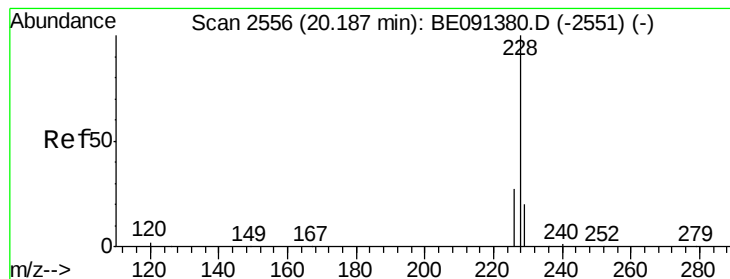


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.21 ng

RT: 20.19 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

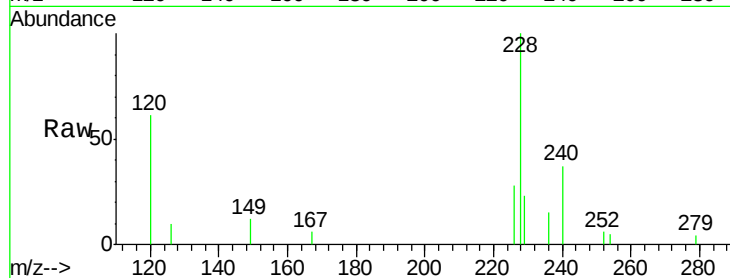
Tot Ion:228 Resp: 3156

Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

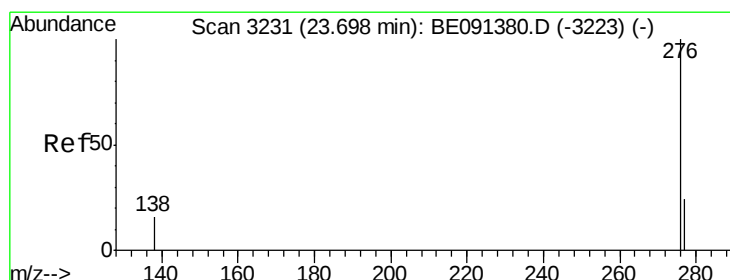
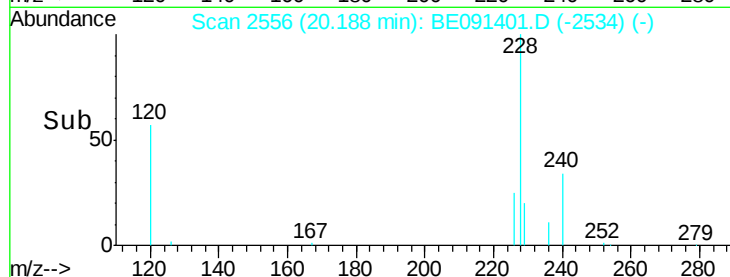
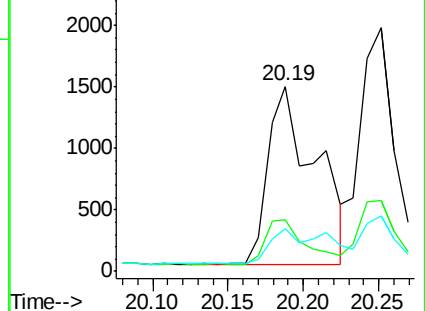
229 23.3 16.1 24.1



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



#23

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng

RT: 23.73 min Scan# 3237

Delta R.T. 0.03 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

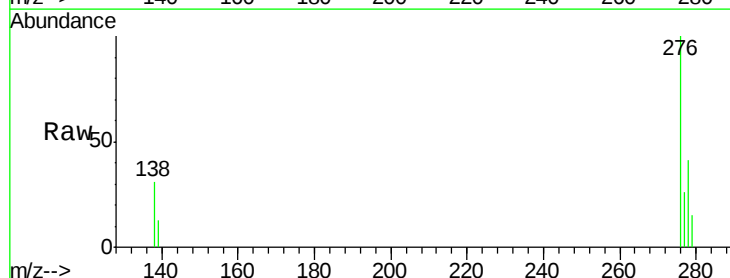
Tgt Ion:276 Resp: 4077

Ion Ratio Lower Upper

276 100

138 18.5 16.6 25.0

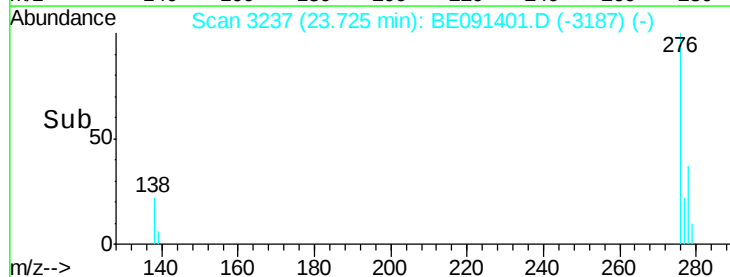
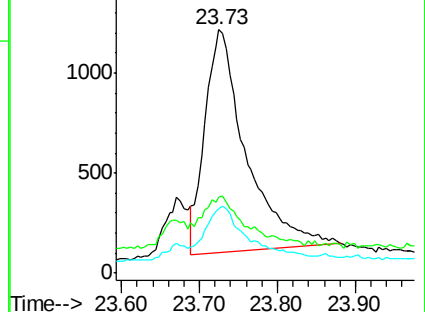
277 22.1 19.0 28.6

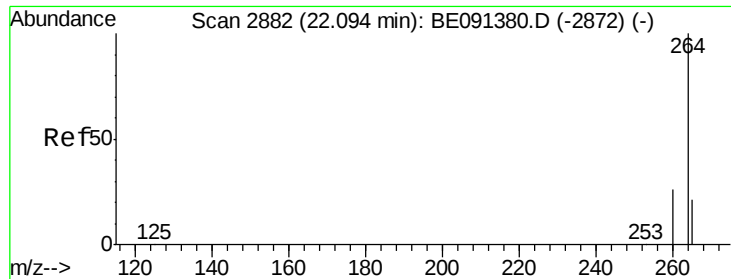


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

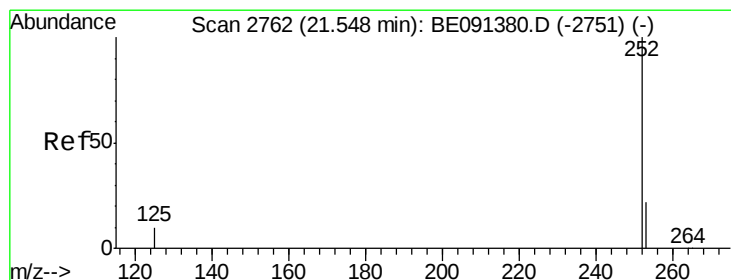
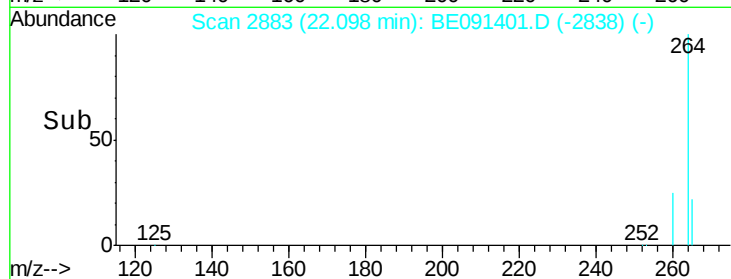
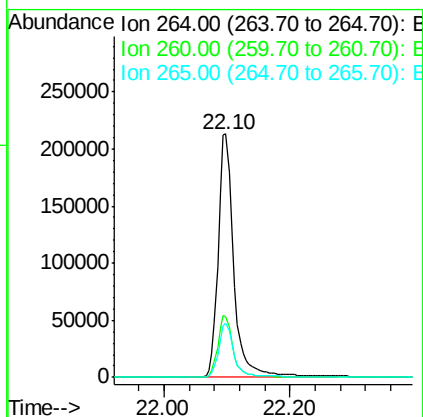
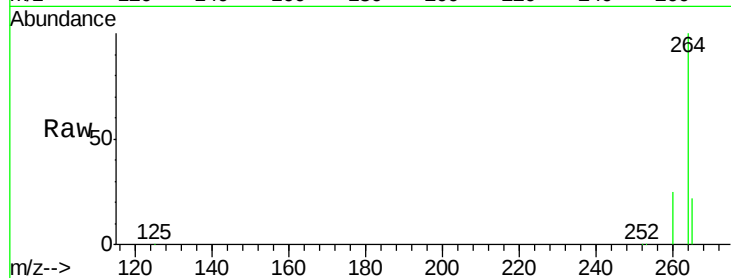




#24
Pervlene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

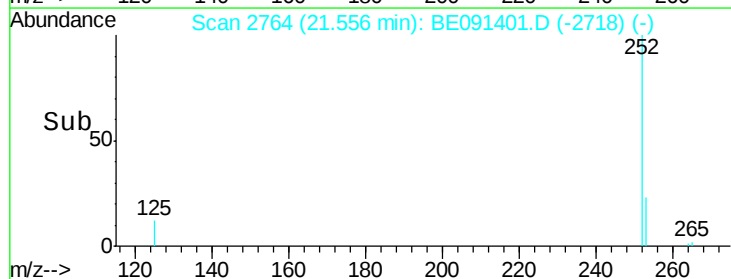
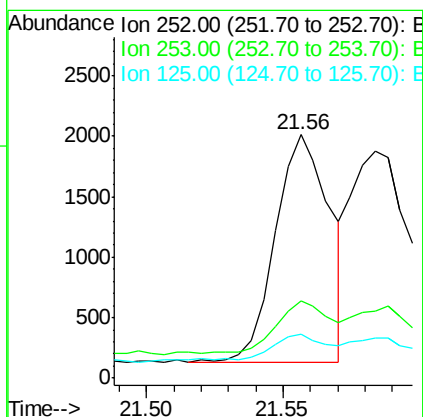
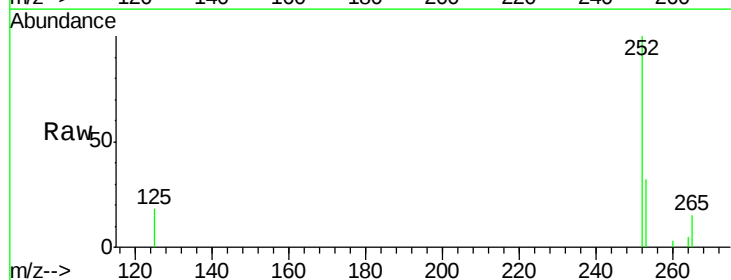
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160202

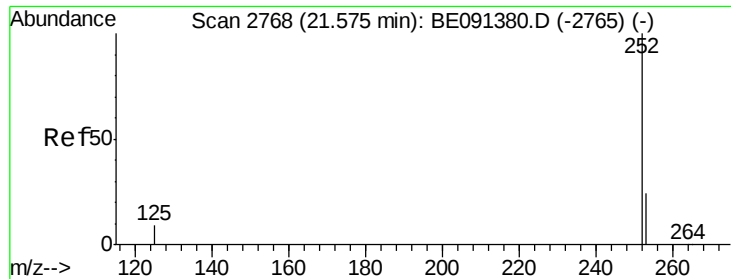
Tot Ion:264 Resp: 370696
Ion Ratio Lower Upper
264 100
260 25.0 20.7 31.1
265 22.1 17.2 25.8



#25
Benzo(b)fluoranthene
Concen: 0.18 ng
RT: 21.56 min Scan# 2764
Delta R.T. 0.01 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

Tgt Ion:252 Resp: 2606
Ion Ratio Lower Upper
252 100
253 31.7 18.2 27.2#
125 18.2 8.3 12.5#

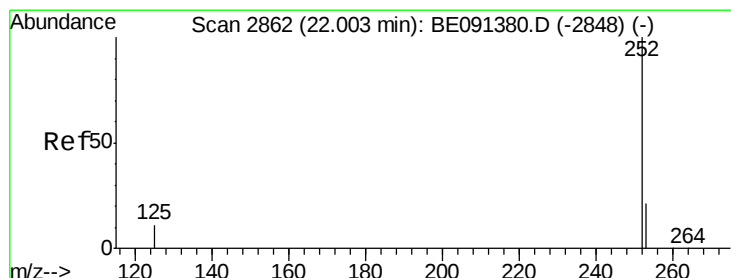
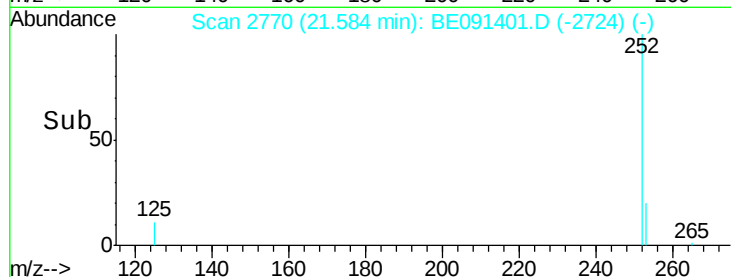
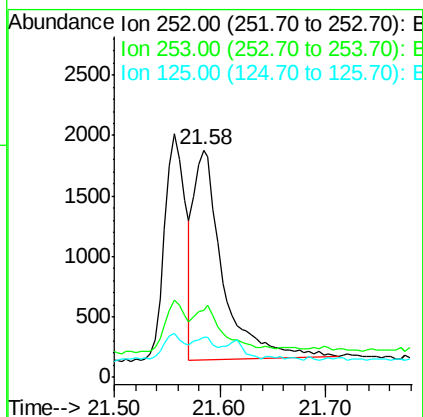
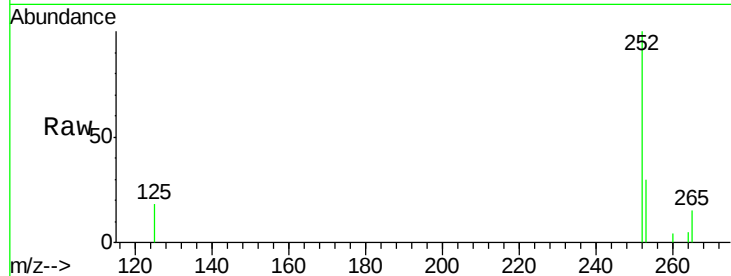




#26
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 21.58 min Scan# 2770
Delta R.T. 0.01 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

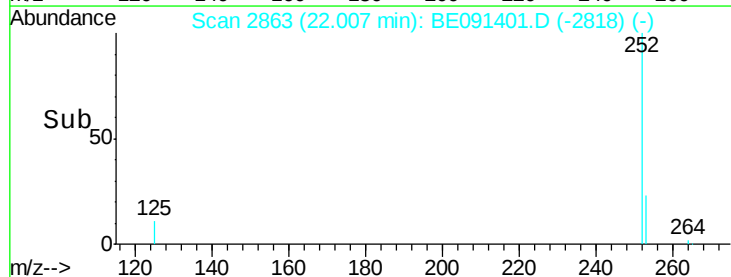
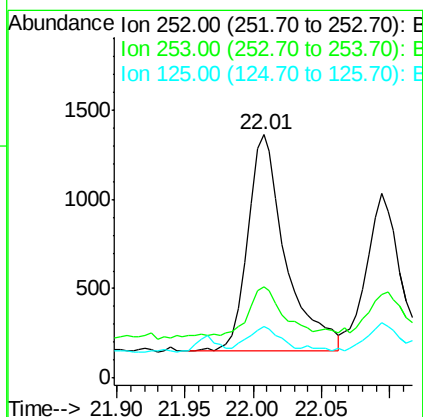
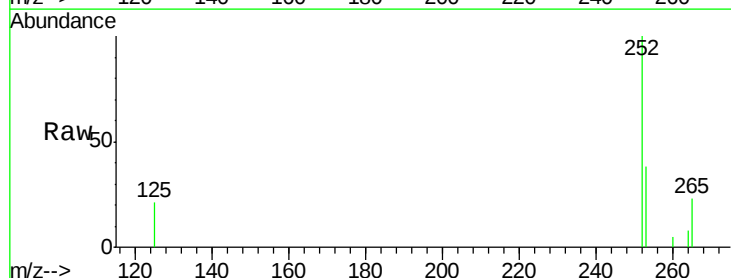
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160202

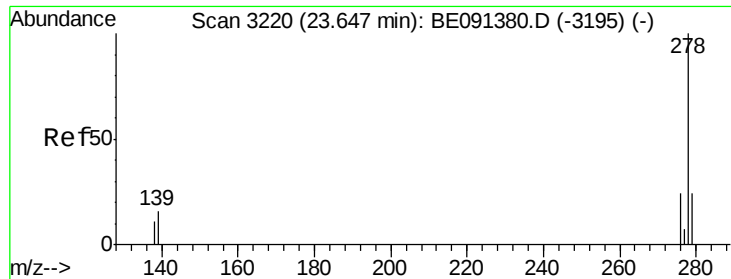
Tot Ion:252 Resp: 3335
Ion Ratio Lower Upper
252 100
253 29.7 18.1 27.1#
125 17.5 8.2 12.4#



#27
Benzo(a)pyrene
Concen: 0.20 ng
RT: 22.01 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091401.D
Acq: 5 Feb 2016 15:50

Tgt Ion:252 Resp: 2311
Ion Ratio Lower Upper
252 100
253 37.7 17.5 26.3#
125 21.3 9.4 14.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 23.68 min Scan# 3227

Delta R.T. 0.03 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160202

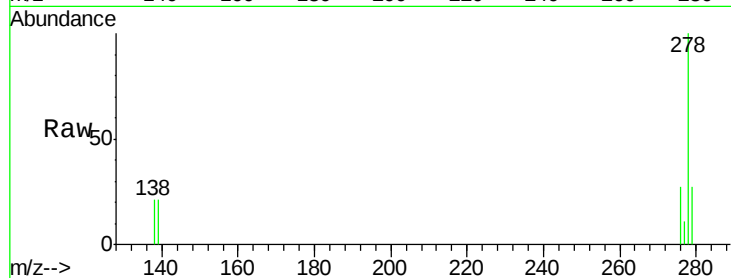
Tot Ion:278 Resp: 4674

Ion Ratio Lower Upper

278 100

139 20.6 13.0 19.4#

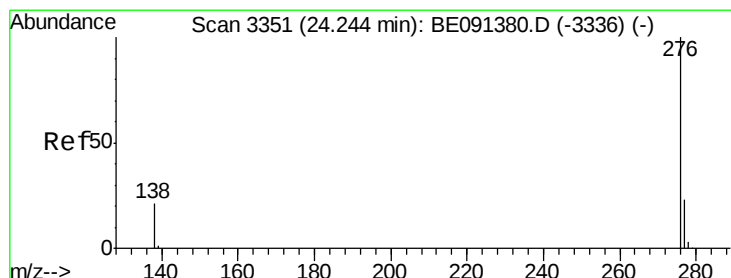
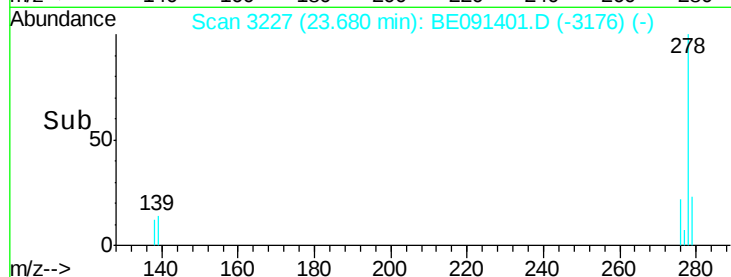
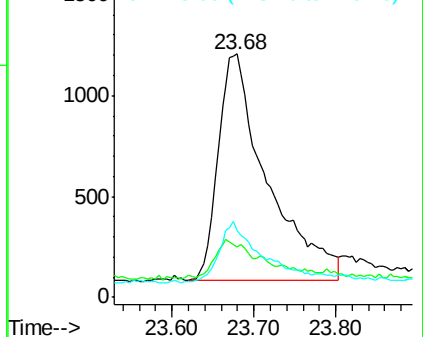
279 27.4 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 0.18 ng

RT: 24.27 min Scan# 3357

Delta R.T. 0.03 min

Lab File: BE091401.D

Acq: 5 Feb 2016 15:50

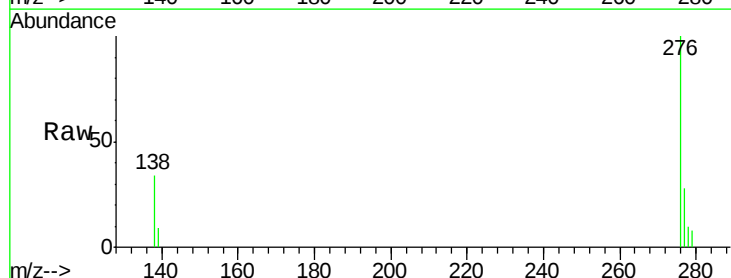
Tgt Ion:276 Resp: 3799

Ion Ratio Lower Upper

276 100

277 28.0 18.9 28.3

138 33.8 17.0 25.6#



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

