

Data File : BE096604.D
Acq On : 17 May 2018 11:41
Operator : SJ/JU
Sample : PB109397BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Quant Time: May 18 05:11:20 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	851	0.40	ng	0.00
7) Naphthalene-d8	11.17	136	3154	0.40	ng	-0.01
13) Acenaphthene-d10	14.92	164	1532	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3275	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3483	0.40	ng	0.00
34) Perylene-d12	24.33	264	3300	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.85	112	848	0.36	ng	0.00
5) Phenol-d6	7.50	99	1114	0.34	ng	0.00
8) Nitrobenzene-d5	9.44	82	122	0.04	ng	-0.09
11) 2-Methylnaphthalene-d10	12.72	152	1706	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	178	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2561	0.39	ng	0.00
25) Fluoranthene-d10	19.62	212	14176	0.35	ng	0.00
29) Terphenyl-d14	20.18	244	2604	0.33	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.59	88	385	0.30	ng	92
3) n-Nitrosodimethylamine	3.95	42	616	0.39	ng	# 73
6) bis(2-Chloroethyl)ether	7.74	93	977	0.31	ng	97
9) Naphthalene	11.22	128	11679	0.35	ng	99
10) Hexachlorobutadiene	11.49	225	578	0.31	ng	94
12) 2-Methylnaphthalene	12.79	142	1936	0.34	ng	97
16) Acenaphthylene	14.66	152	2725	0.34	ng	100
17) Acenaphthene	14.99	154	1659	0.34	ng	94
18) Fluorene	15.96	166	2682	0.44	ng	# 78
20) 4-Bromophenyl-phenylether	16.82	248	651	0.33	ng	# 75
21) Hexachlorobenzene	16.95	284	680	0.33	ng	# 79
22) Pentachlorophenol	17.31	266	133	0.38	ng	86
23) Phenanthrene	17.67	178	3230	0.35	ng	98
24) Anthracene	17.77	178	3000	0.35	ng	# 94
26) Fluoranthene	19.65	202	3909	0.36	ng	# 97
28) Pyrene	20.00	202	1868	0.30	ng	96
30) Benzo(a)anthracene	21.72	228	3788	0.35	ng	97
31) Chrysene	21.78	228	3838	0.34	ng	97
32) Bis(2-ethylhexyl)phthalate	21.58	149	6467	0.28	ng	100
33) Indeno(1,2,3-cd)pyrene	27.11	276	3983	0.37	ng	# 93
35) Benzo(b)fluoranthene	23.52	252	3806	0.37	ng	# 92
36) Benzo(k)fluoranthene	23.58	252	3781	0.35	ng	# 92
37) Benzo(a)pyrene	24.21	252	3554	0.37	ng	# 92
38) Dibenzo(a,h)anthracene	27.11	278	3167	0.36	ng	95
39) Benzo(g,h,i)perylene	27.96	276	3523	0.38	ng	# 91

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

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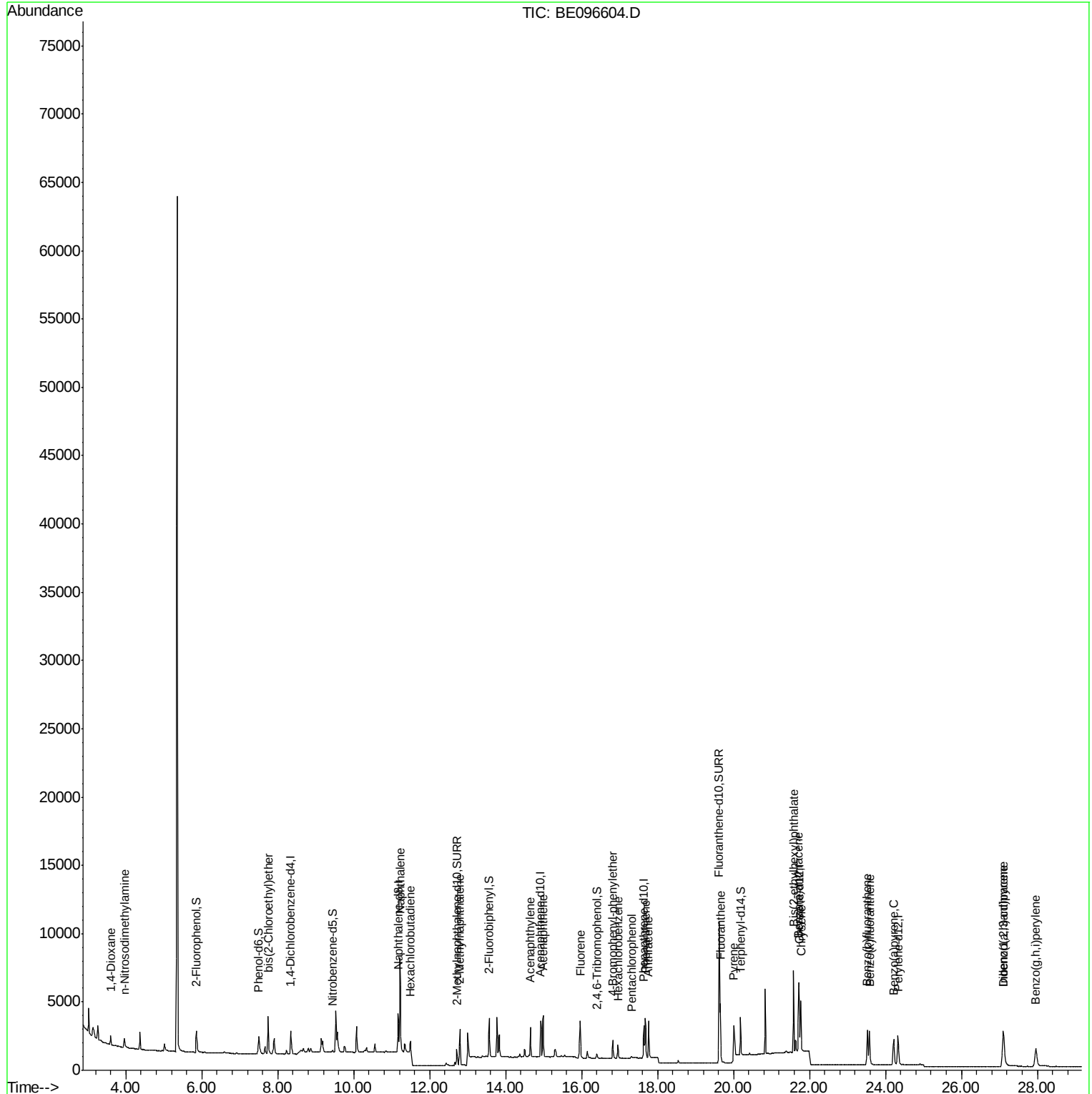
Quant Time: May 18 05:11:20 2018

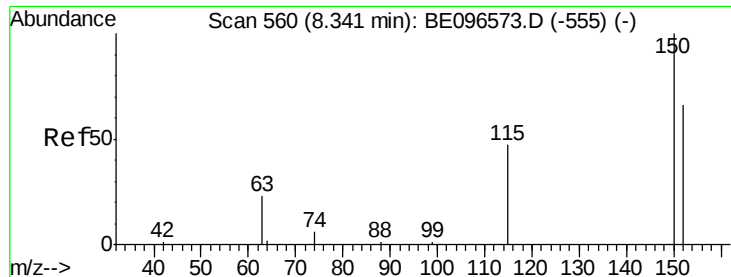
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.34 min Scan# 560

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

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ClientSampleId :

PB109397BSD

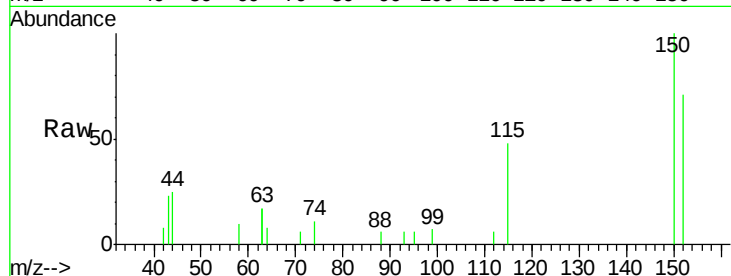
Tgt Ion:152 Resp: 851

Ion Ratio Lower Upper

152 100

150 141.6 117.2 175.8

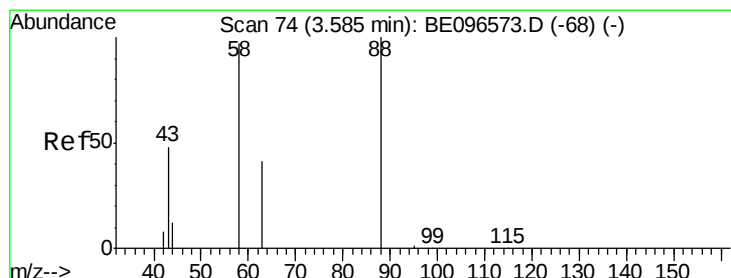
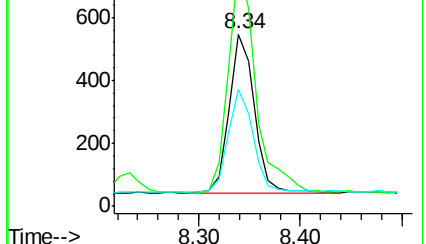
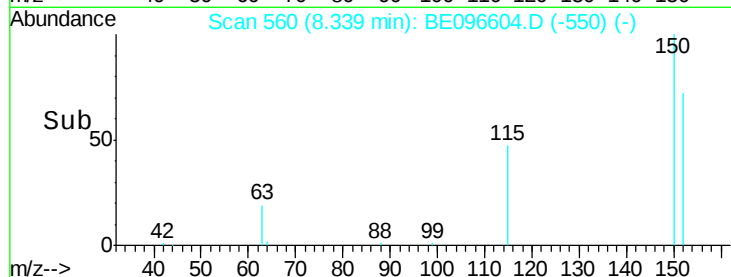
115 68.3 57.0 85.6



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: 0.30 ng

RT: 3.59 min Scan# 75

Delta R.T. 0.01 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

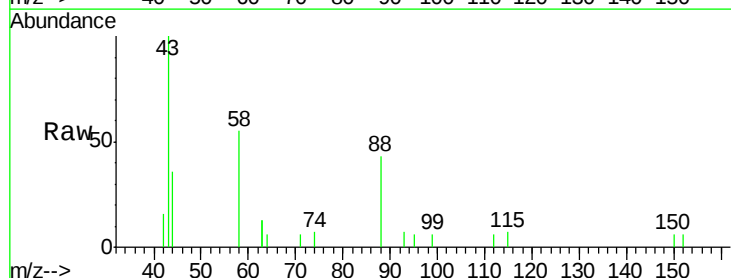
Tgt Ion: 88 Resp: 385

Ion Ratio Lower Upper

88 100

58 75.8 63.2 94.8

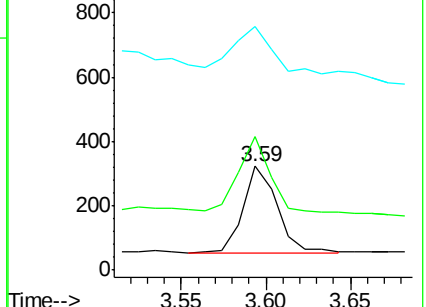
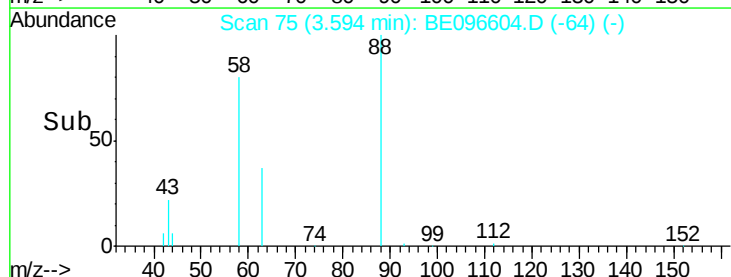
43 61.6 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.95 min Scan# 111

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

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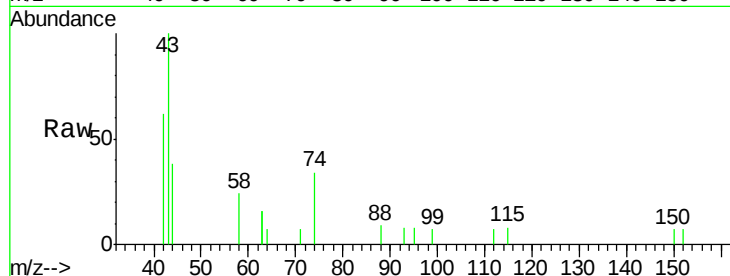
Tgt Ion: 42 Resp: 616

Ion Ratio Lower Upper

42 100

74 89.8 96.0 144.0#

44 2.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

3.95

400

300

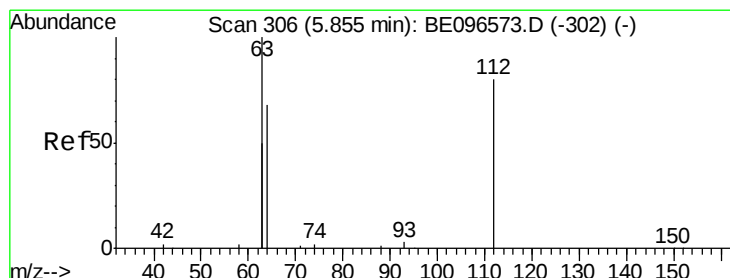
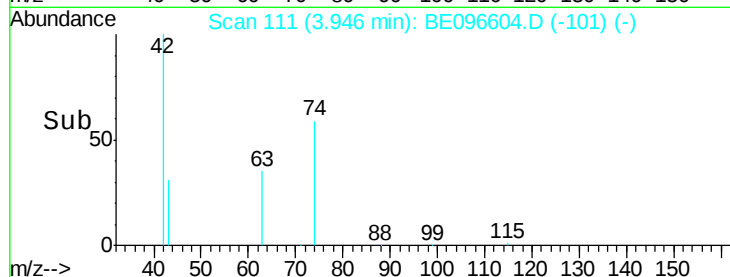
200

100

0

3.90 3.95 4.00

Time-->



#4

2-Fluorophenol

Concen: 0.36 ng

RT: 5.85 min Scan# 306

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

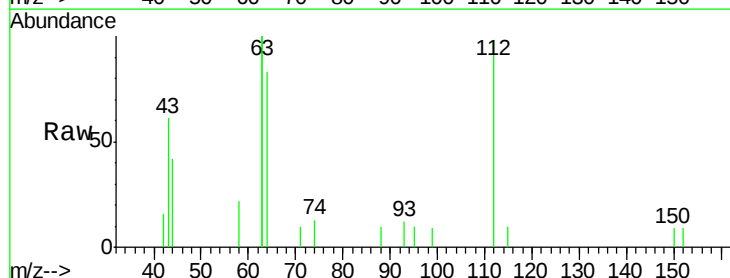
Tgt Ion: 112 Resp: 848

Ion Ratio Lower Upper

112 100

64 74.4 60.1 90.1

63 174.6 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

1200

1000

800

600

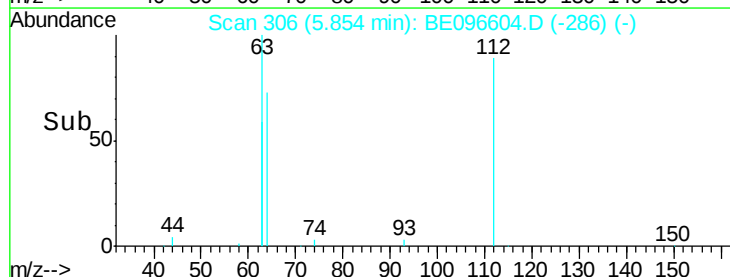
400

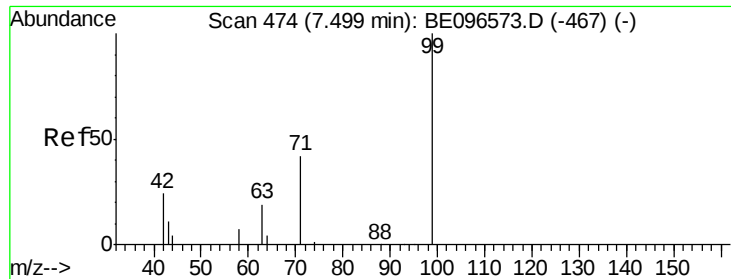
200

0

5.80 5.85 5.90 6.00

Time-->





#5

Phenol-d6

Concen: 0.34 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

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ClientSampleId :

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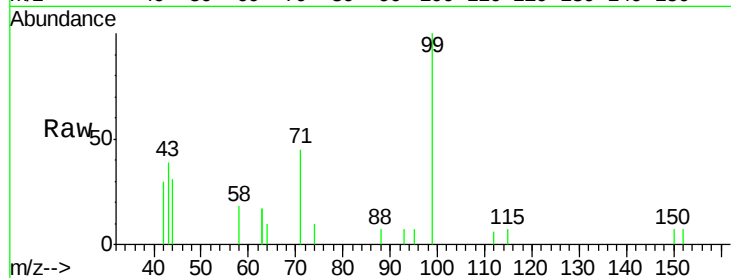
Tgt Ion: 99 Resp: 1114

Ion Ratio Lower Upper

99 100

42 29.7 20.2 30.2

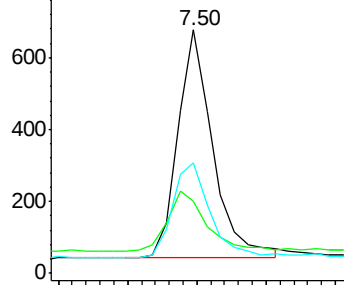
71 44.5 28.4 42.6#



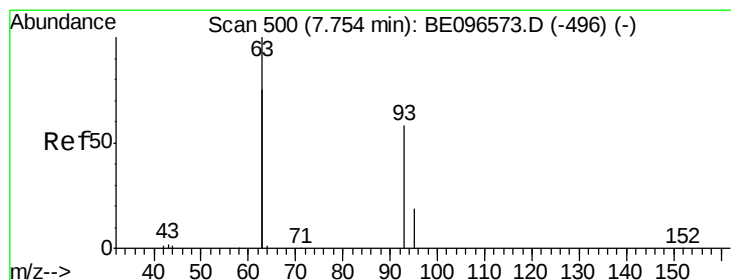
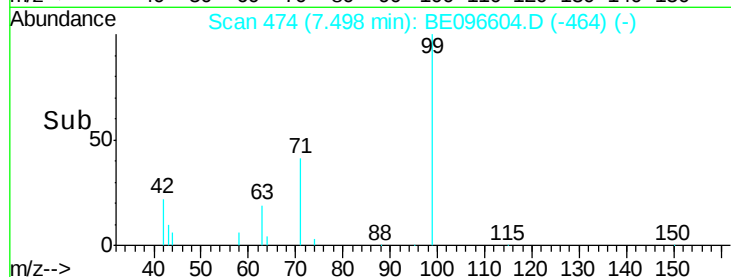
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.31 ng

RT: 7.74 min Scan# 499

Delta R.T. -0.01 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

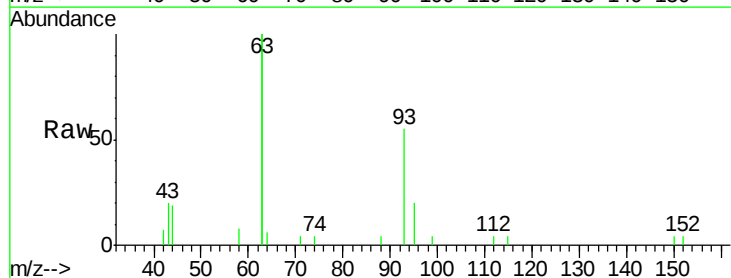
Tgt Ion: 93 Resp: 977

Ion Ratio Lower Upper

93 100

63 338.1 275.3 412.9

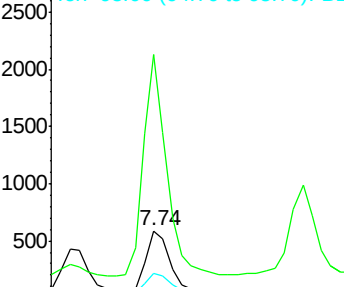
95 33.0 25.2 37.8



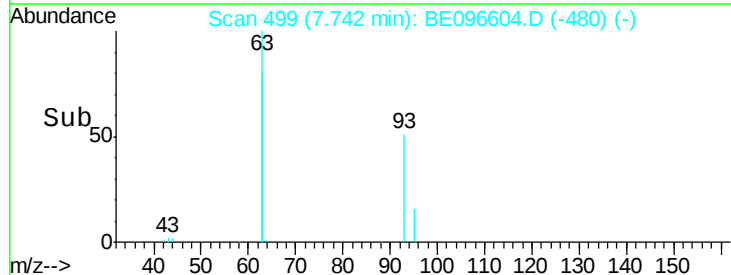
Abundance Ion 93.00 (92.70 to 93.70): BE0

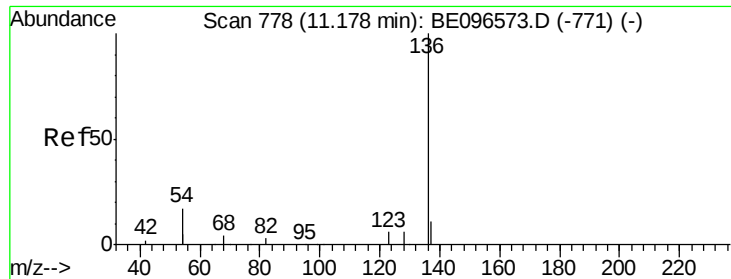
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.17 min Scan# 777

Delta R.T. -0.01 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

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Tgt Ion: 136 Resp: 3154

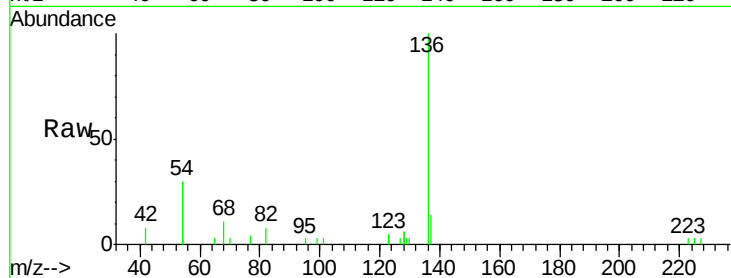
Ion Ratio Lower Upper

136 100

137 13.5 9.5 14.3

54 60.3 29.1 43.7#

68 11.0 6.2 9.2#

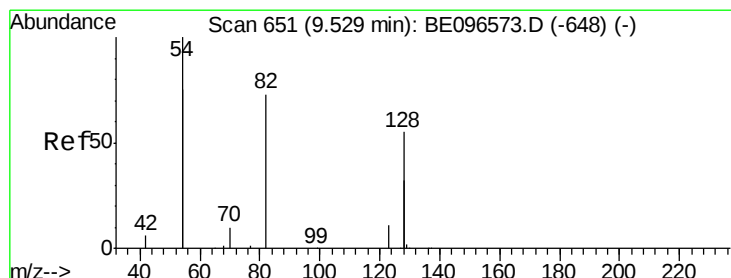
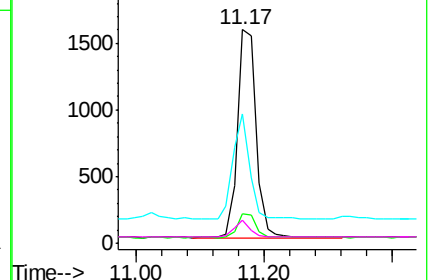
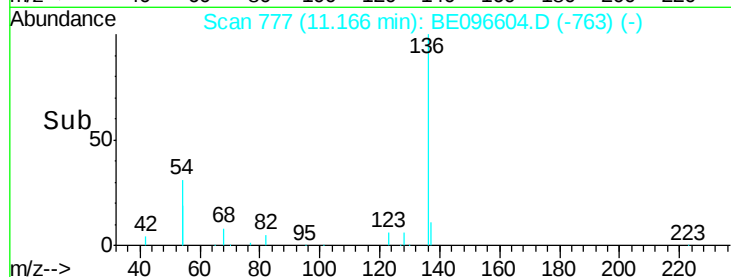


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.04 ng

RT: 9.44 min Scan# 644

Delta R.T. -0.09 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

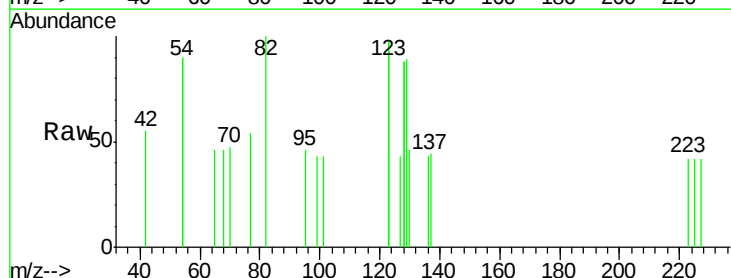
Tgt Ion: 82 Resp: 122

Ion Ratio Lower Upper

82 100

128 176.7 150.0 225.0

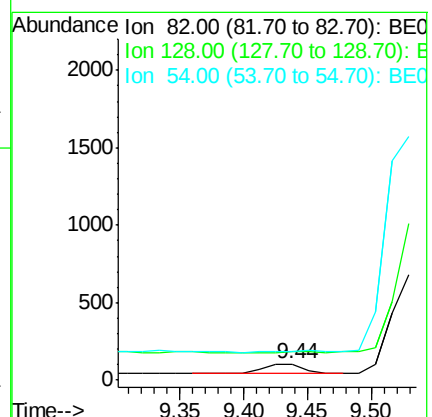
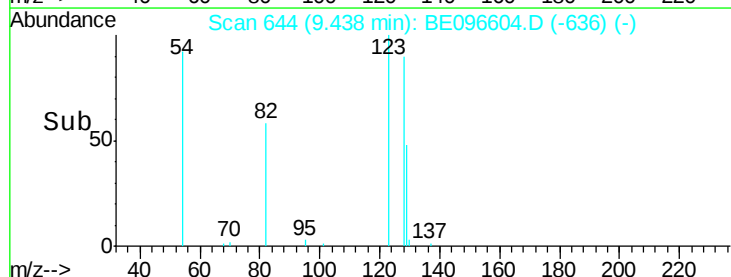
54 180.6 154.2 231.4

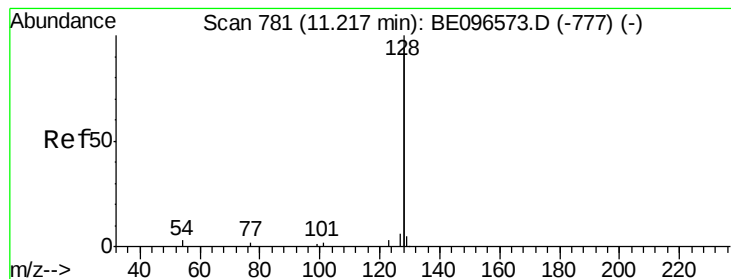


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.35 ng

RT: 11.22 min Scan# 781

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

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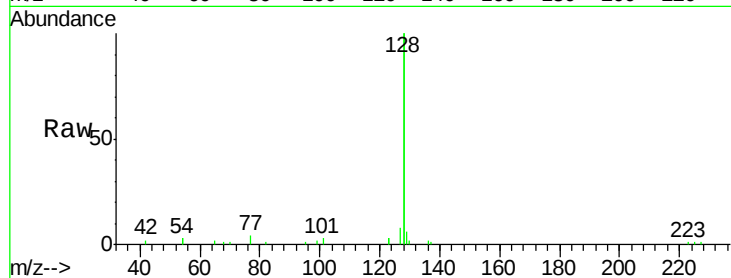
Tgt Ion:128 Resp: 11679

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

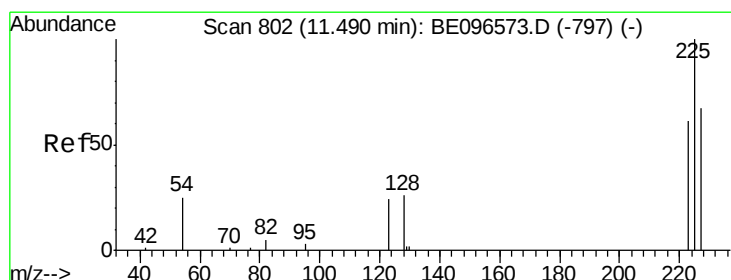
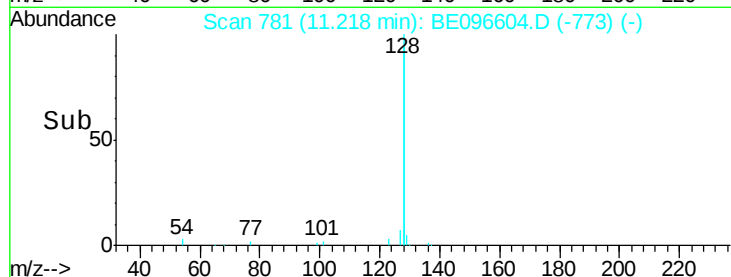
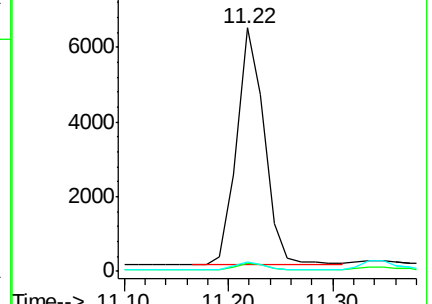
127 4.1 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.31 ng

RT: 11.49 min Scan# 802

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

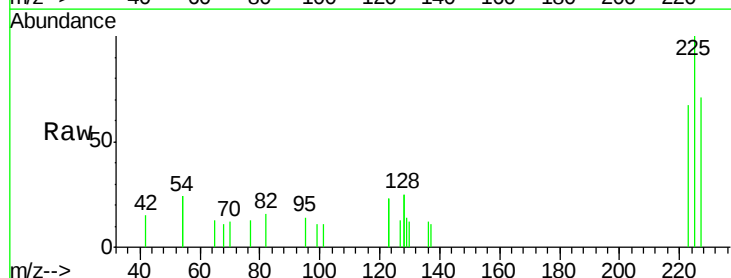
Tgt Ion:225 Resp: 578

Ion Ratio Lower Upper

225 100

223 60.9 53.0 79.6

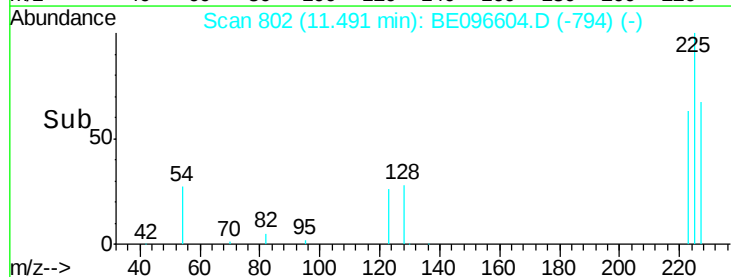
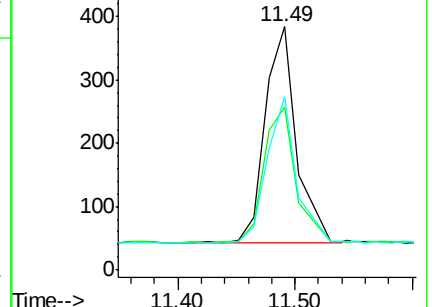
227 68.9 51.4 77.2

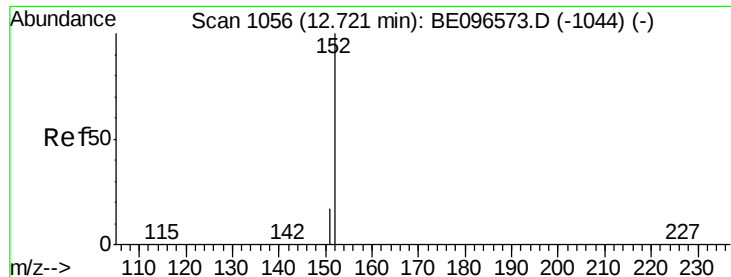


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

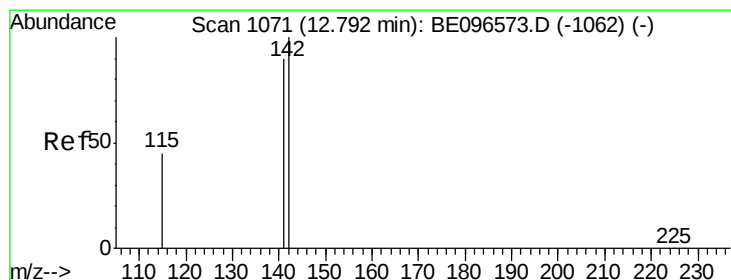
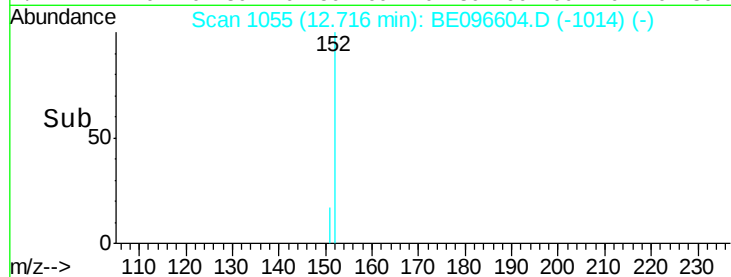
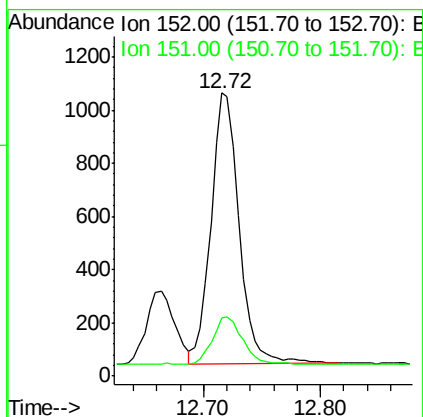
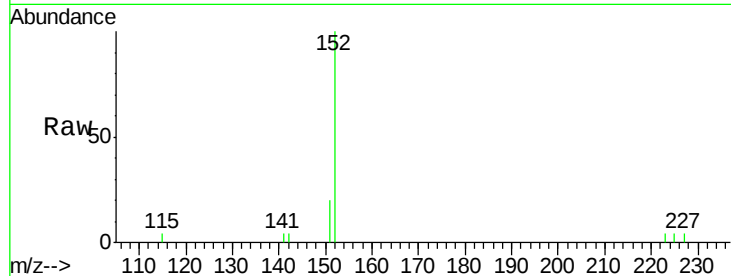




#11
 2-Methylnaphthalene-d10
 Concen: 0.33 ng
 RT: 12.72 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BE096604.D
 Acq: 17 May 2018 11:41

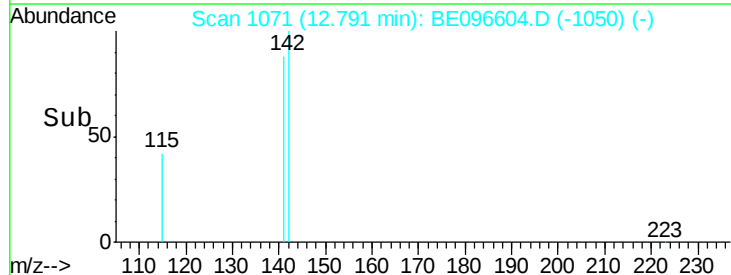
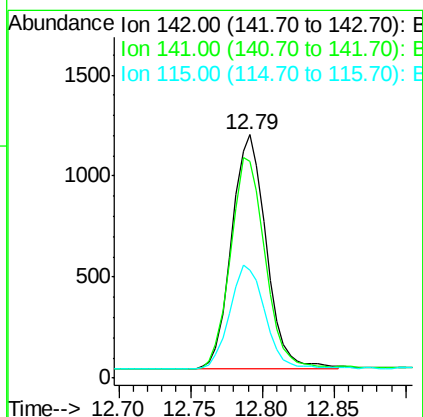
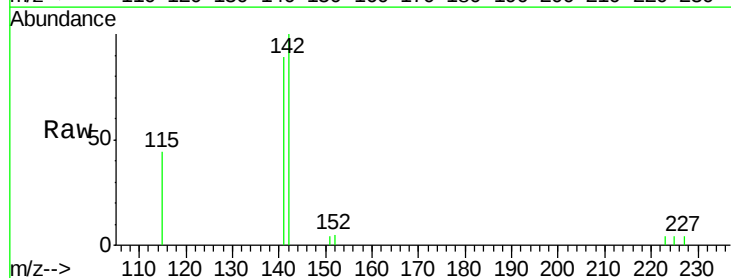
Instrument :
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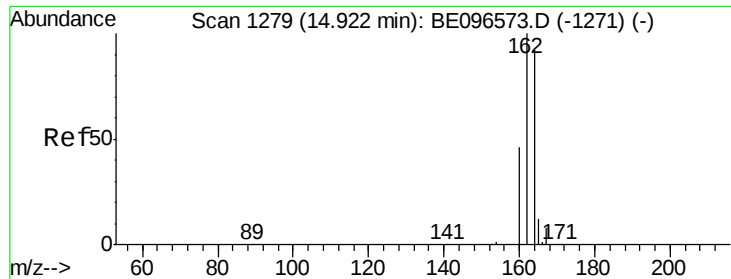
Tgt Ion:152 Resp: 1706
 Ion Ratio Lower Upper
 152 100
 151 18.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.34 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: BE096604.D
 Acq: 17 May 2018 11:41

Tgt Ion:142 Resp: 1936
 Ion Ratio Lower Upper
 142 100
 141 88.8 70.4 105.6
 115 44.5 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

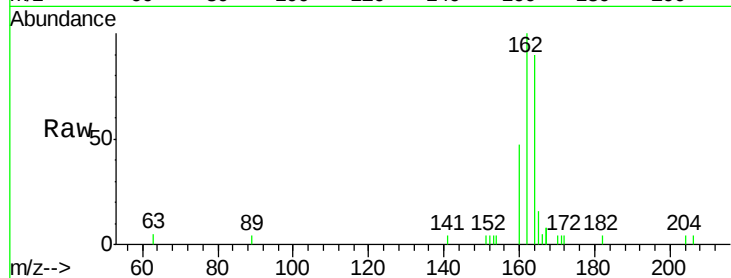
Tgt Ion:164 Resp: 1532

Ion Ratio Lower Upper

164 100

162 111.1 83.1 124.7

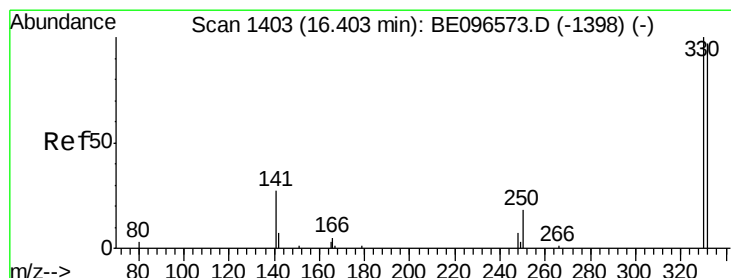
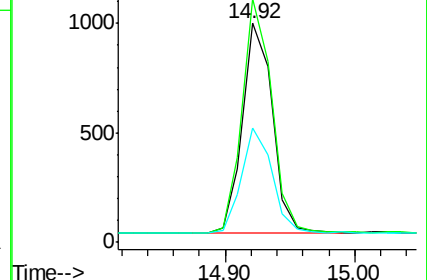
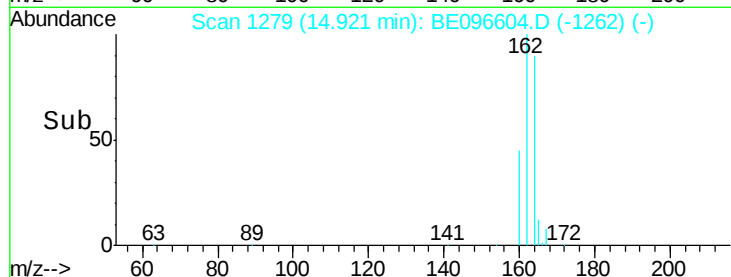
160 52.4 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.29 ng

RT: 16.40 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

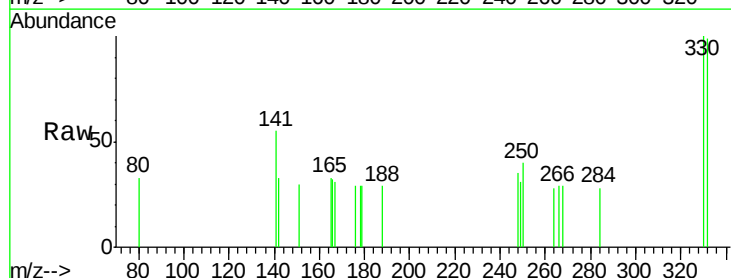
Tgt Ion:330 Resp: 178

Ion Ratio Lower Upper

330 100

332 102.8 152.7 229.1#

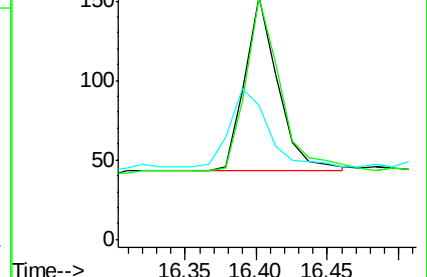
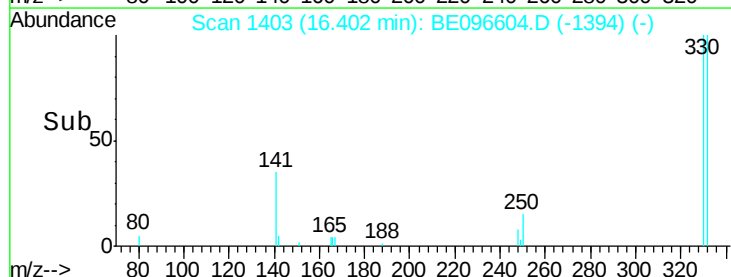
141 50.6 33.7 50.5#

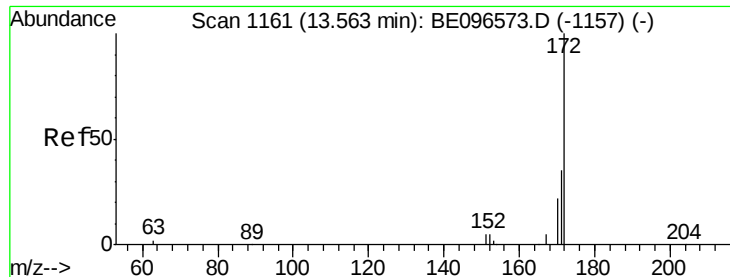


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

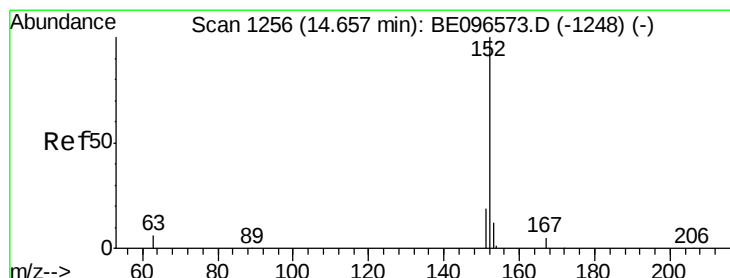
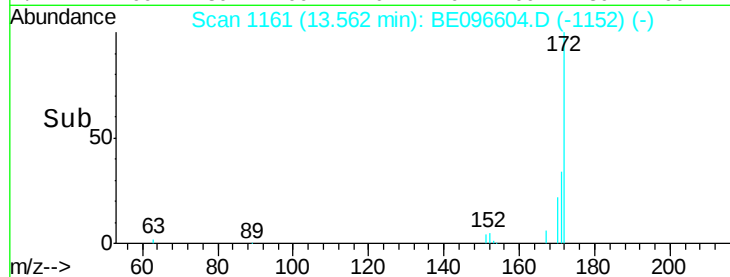
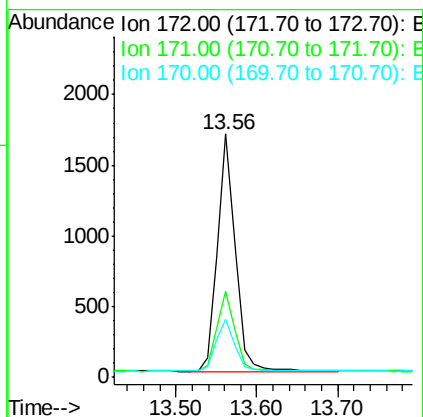
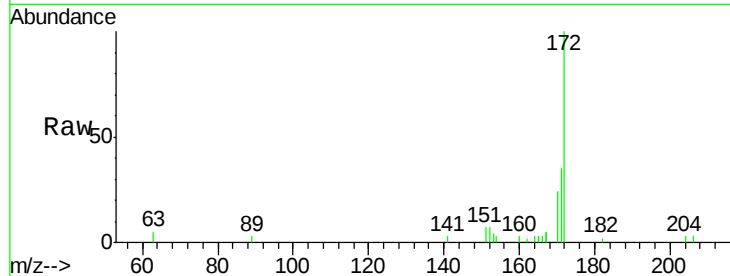




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

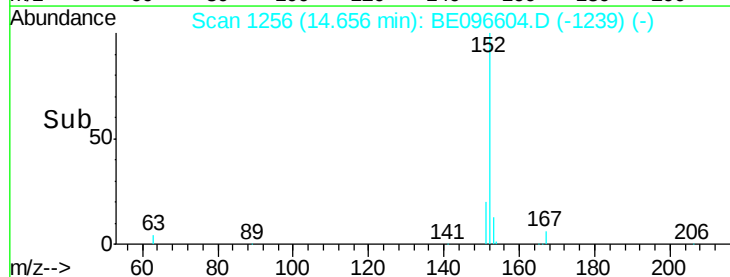
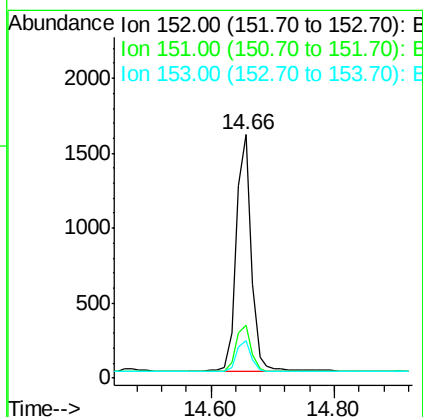
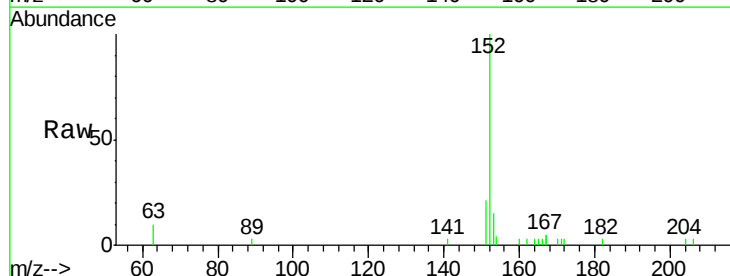
Instrument :
BNA_E
ClientSampleId :
PB109397BSD

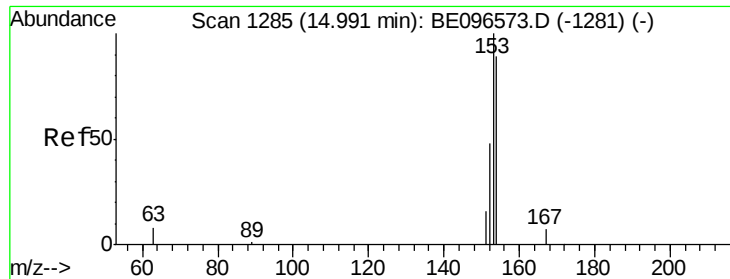
Tgt Ion:172 Resp: 2561
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 23.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:152 Resp: 2725
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.34 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

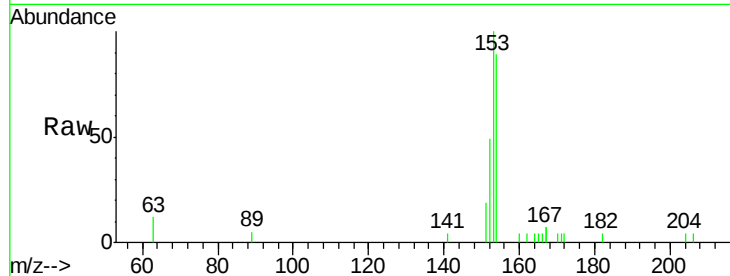
Tgt Ion:154 Resp: 1659

Ion Ratio Lower Upper

154 100

153 116.2 89.2 133.8

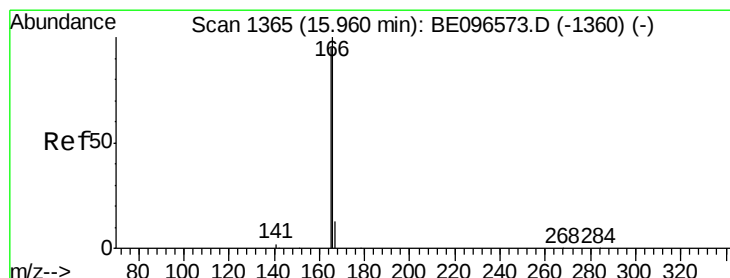
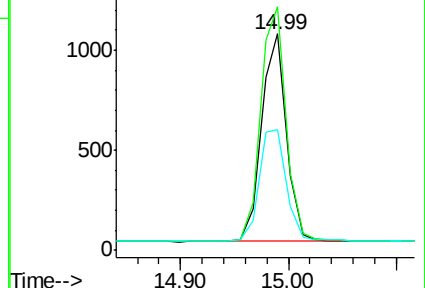
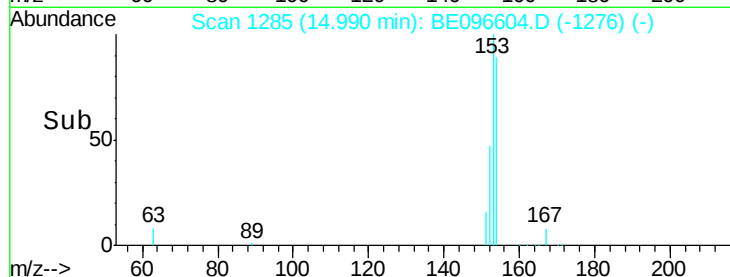
152 58.8 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.44 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

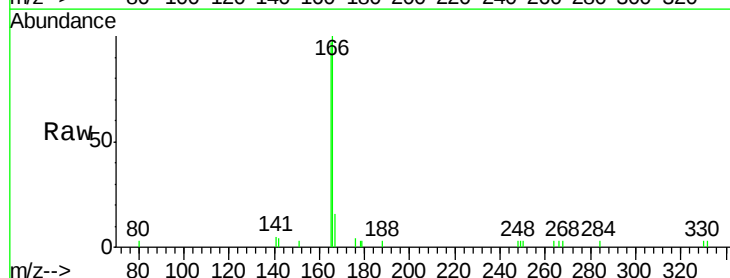
Tgt Ion:166 Resp: 2682

Ion Ratio Lower Upper

166 100

165 95.6 77.8 116.6

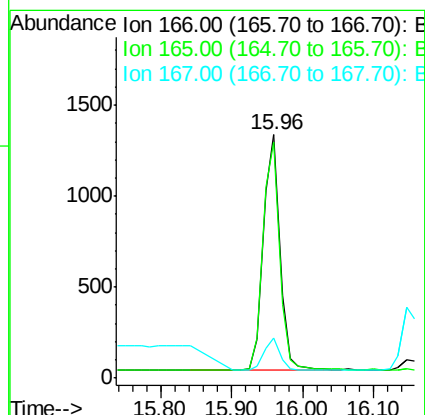
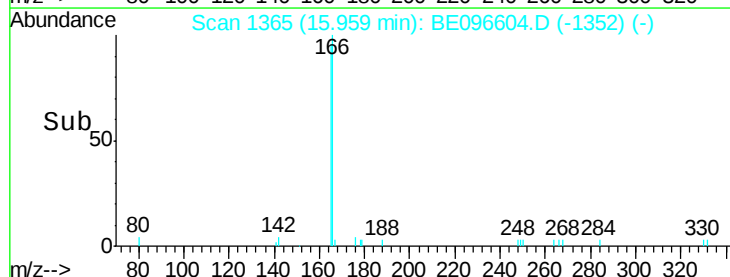
167 10.6 42.4 63.6#

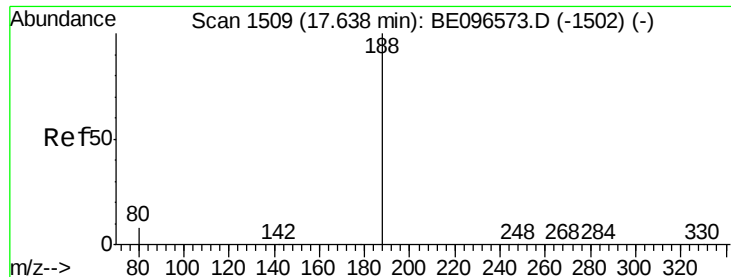


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

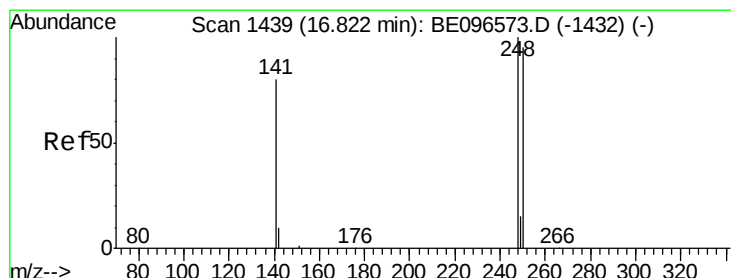
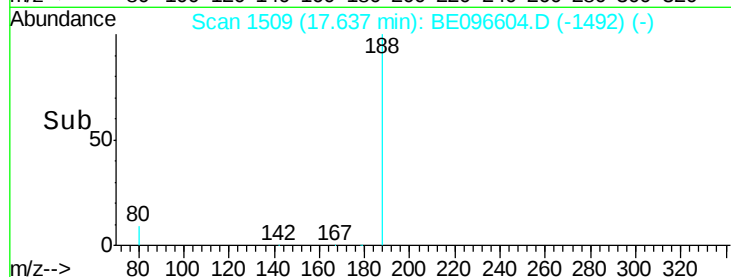
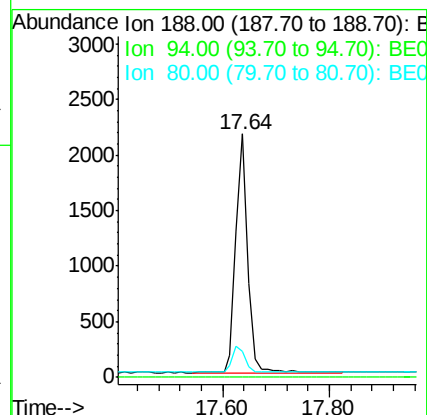
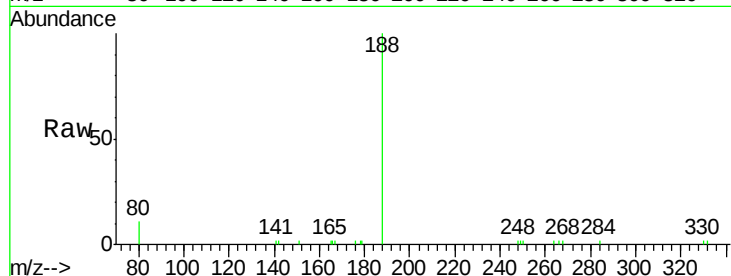
Tgt Ion:188 Resp: 3275

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.6 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.33 ng

RT: 16.82 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

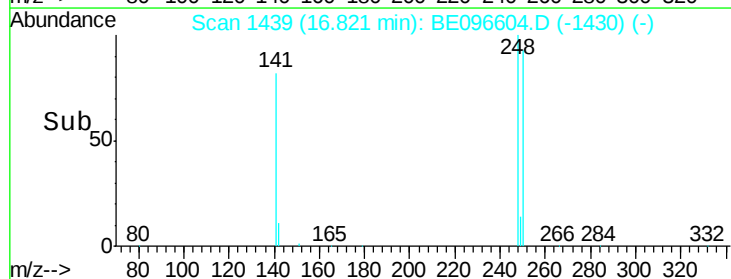
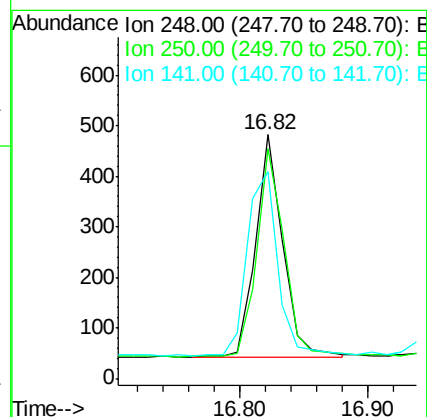
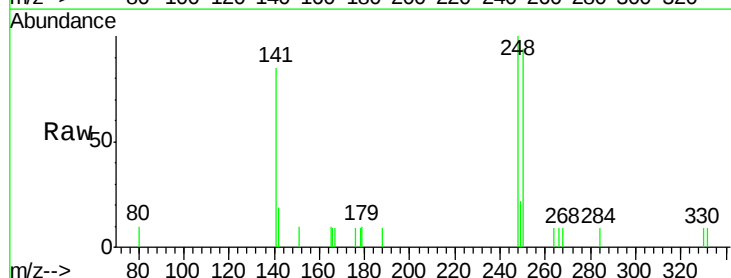
Tgt Ion:248 Resp: 651

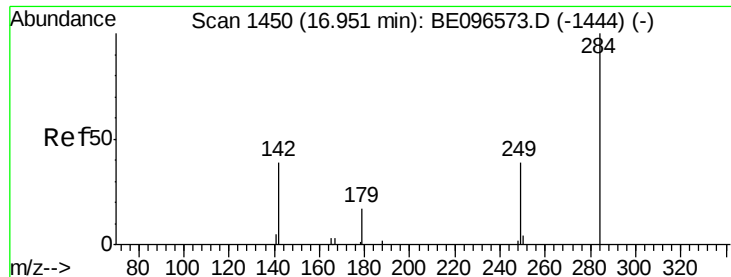
Ion Ratio Lower Upper

248 100

250 94.4 62.7 94.1#

141 84.9 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.33 ng

RT: 16.95 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

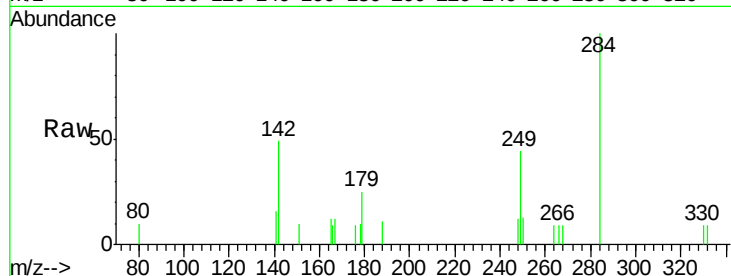
Tgt Ion:284 Resp: 680

Ion Ratio Lower Upper

284 100

142 46.3 22.1 33.1#

249 35.7 34.8 52.2



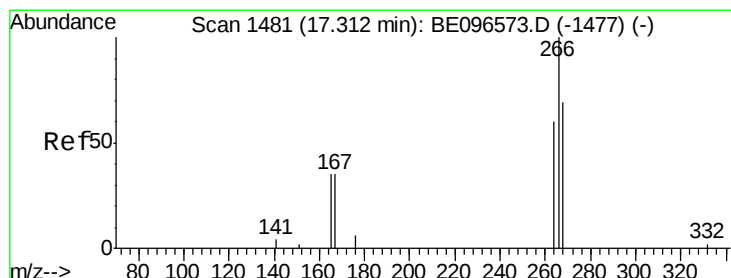
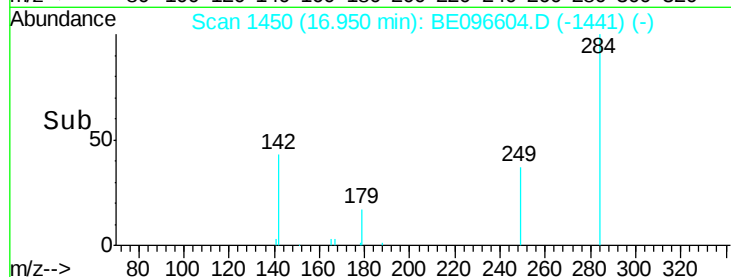
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.95

Time--> 16.80 16.90 17.00



#22

Pentachlorophenol

Concen: 0.38 ng

RT: 17.31 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

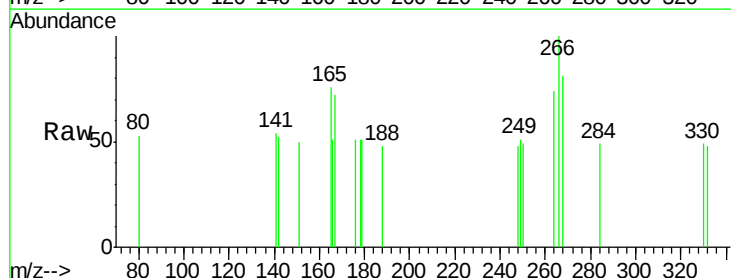
Tgt Ion:266 Resp: 133

Ion Ratio Lower Upper

266 100

264 74.4 72.5 108.7

268 81.1 73.8 110.6



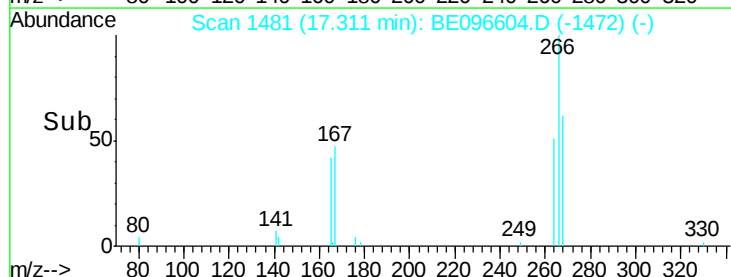
Abundance Ion 266.00 (265.70 to 266.70): E

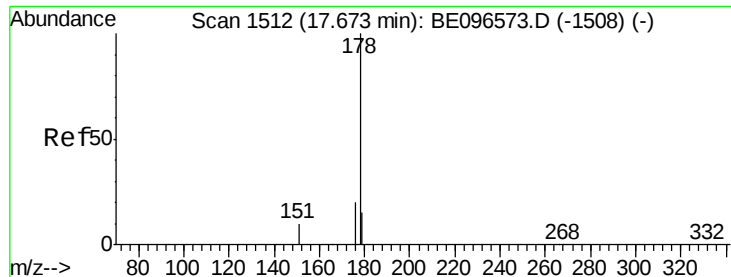
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.31

Time--> 17.20 17.30 17.40





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

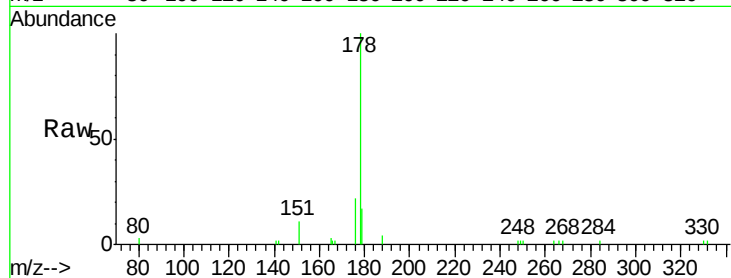
Tgt Ion:178 Resp: 3230

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

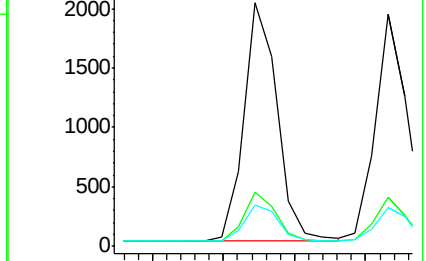
179 15.1 11.8 17.6



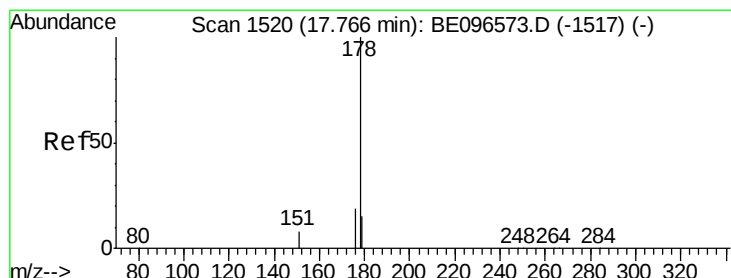
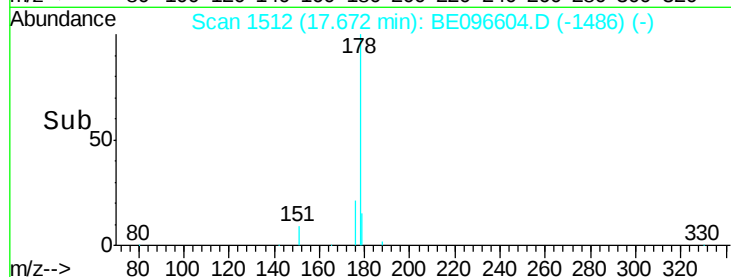
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.35 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

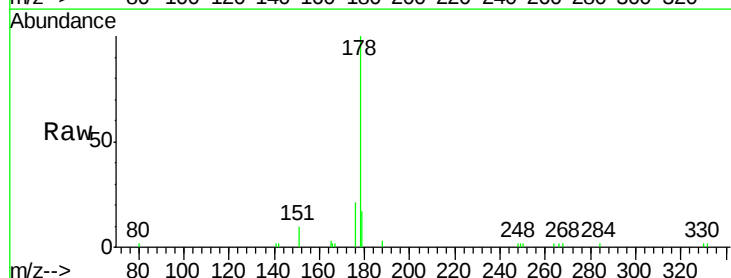
Tgt Ion:178 Resp: 3000

Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

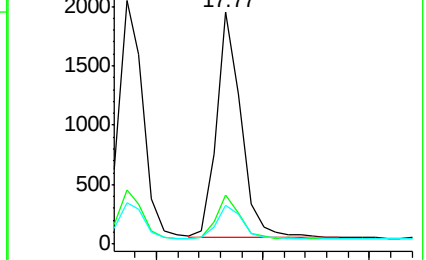
179 14.7 13.0 19.6



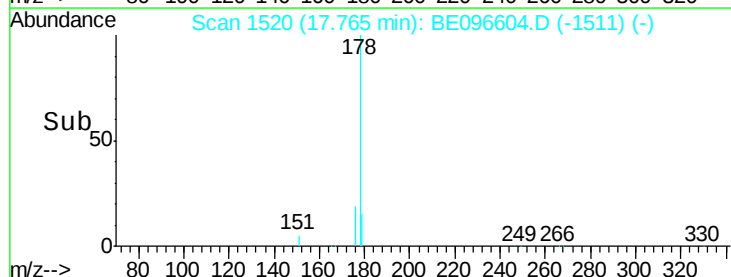
Abundance Ion 178.00 (177.70 to 178.70): E

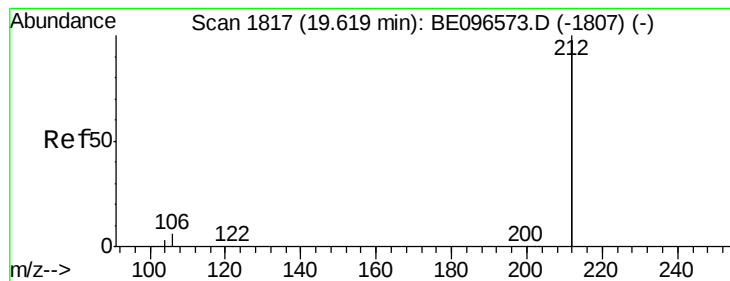
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.35 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

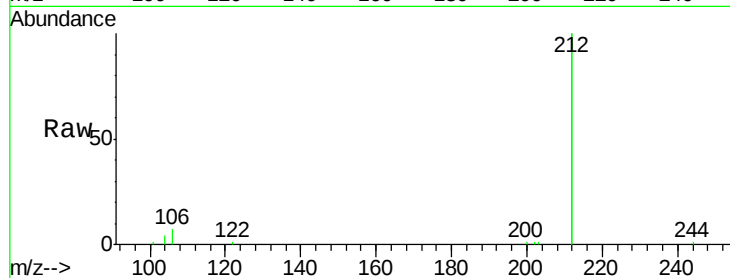
Tgt Ion:212 Resp: 14176

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2#

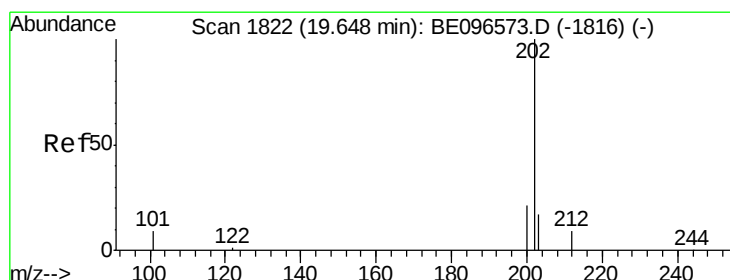
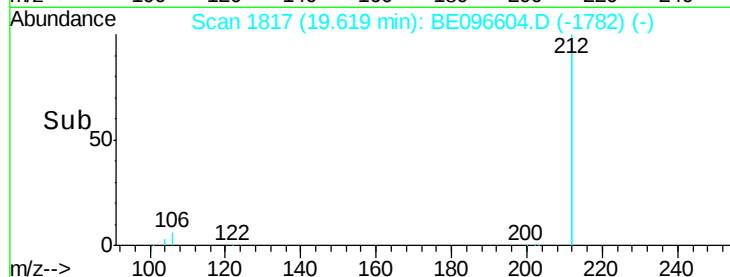
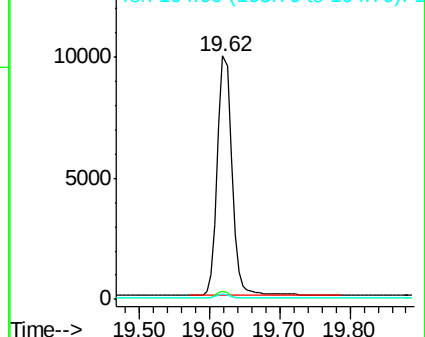
104 1.6 1.6 2.4#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.36 ng

RT: 19.65 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

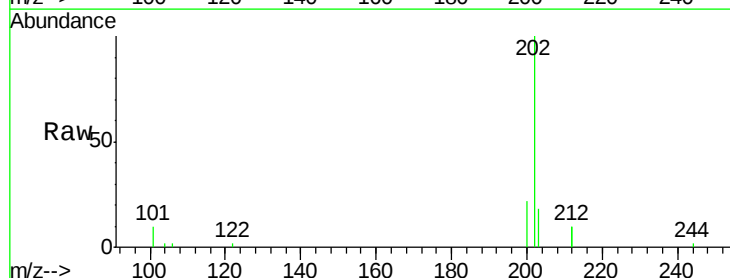
Tgt Ion:202 Resp: 3909

Ion Ratio Lower Upper

202 100

101 9.3 9.8 14.8#

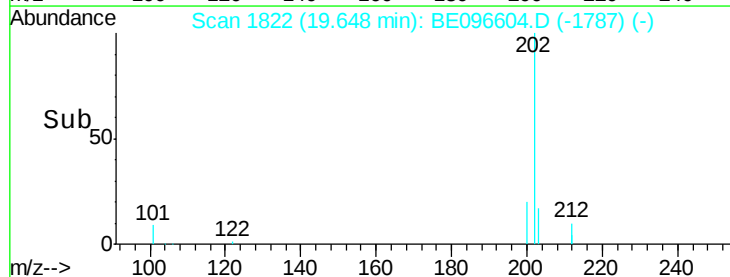
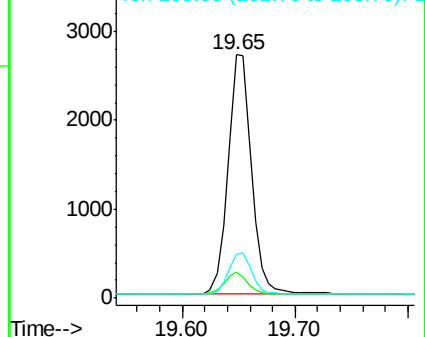
203 17.2 13.7 20.5



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

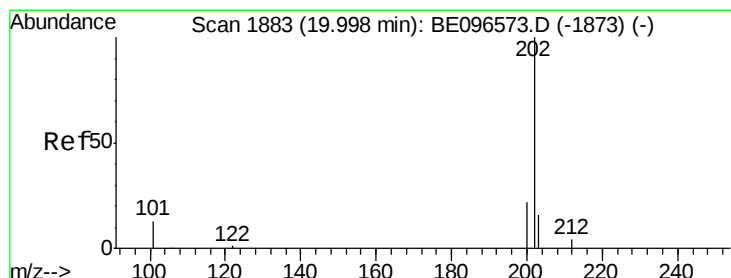
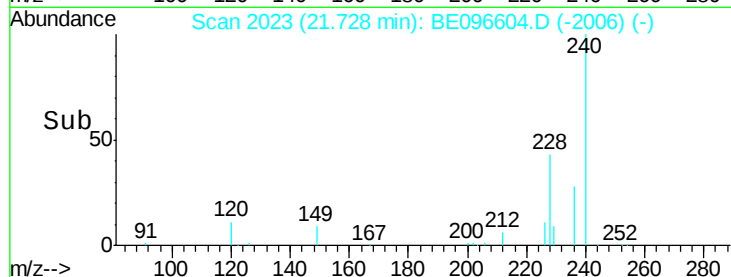
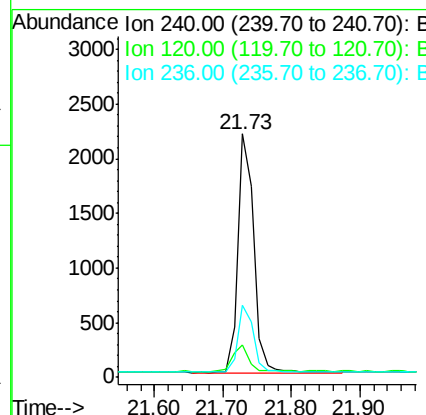
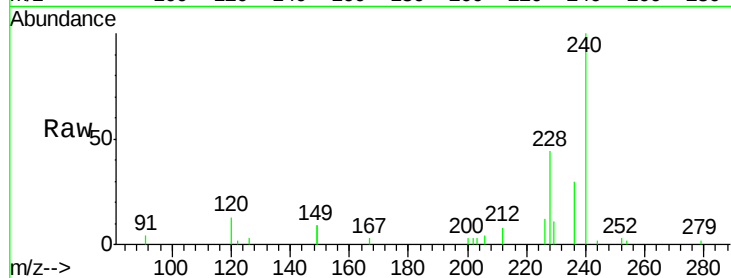




#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.73 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BE096604.D
 Acq: 17 May 2018 11:41

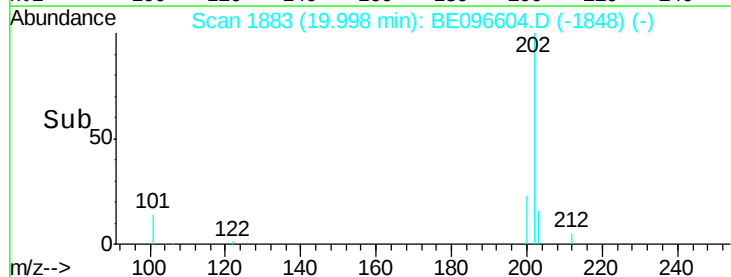
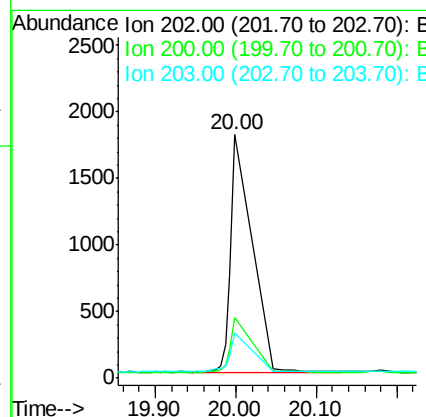
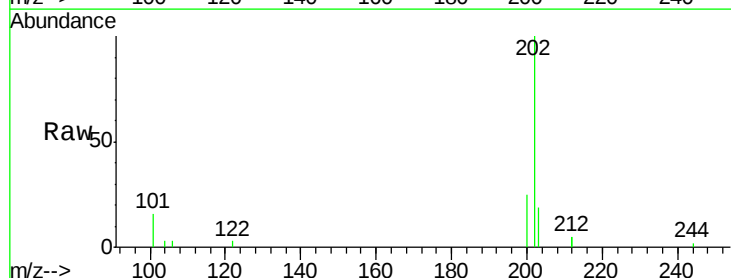
Instrument :
 BNA_E
 ClientSampleId :
 PB109397BSD

Tgt Ion:240 Resp: 3483
 Ion Ratio Lower Upper
 240 100
 120 13.3 5.5 8.3#
 236 29.5 20.7 31.1



#28
 Pyrene
 Concen: 0.30 ng
 RT: 20.00 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: BE096604.D
 Acq: 17 May 2018 11:41

Tgt Ion:202 Resp: 1868
 Ion Ratio Lower Upper
 202 100
 200 24.0 16.6 25.0
 203 17.1 13.8 20.8





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

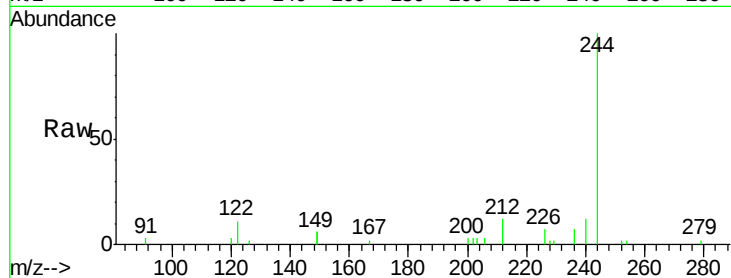
Tgt Ion:244 Resp: 2604

Ion Ratio Lower Upper

244 100

212 11.8 25.4 38.0#

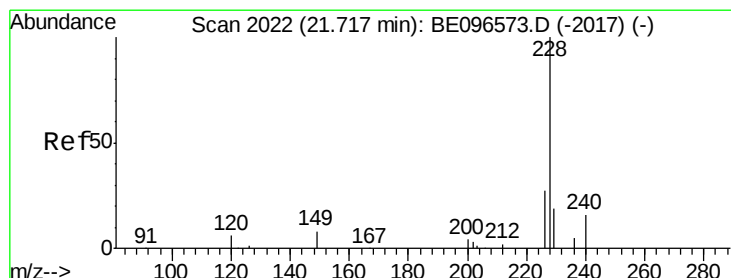
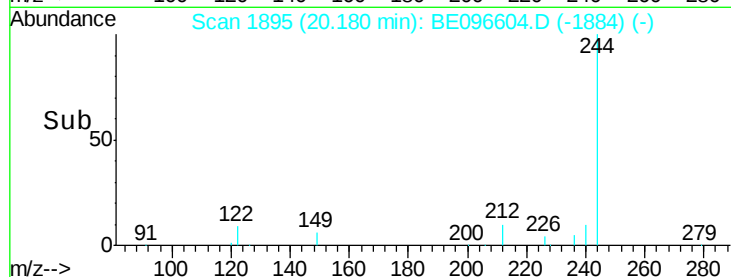
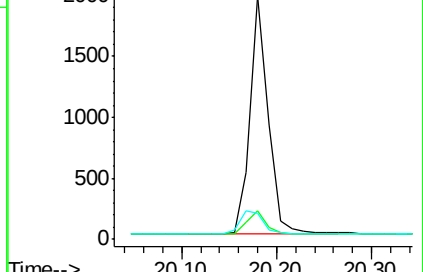
122 10.8 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.35 ng

RT: 21.72 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

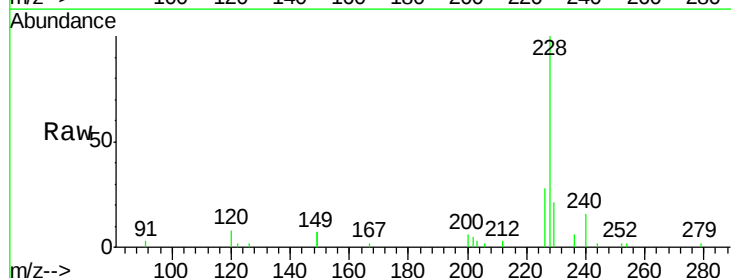
Tgt Ion:228 Resp: 3788

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

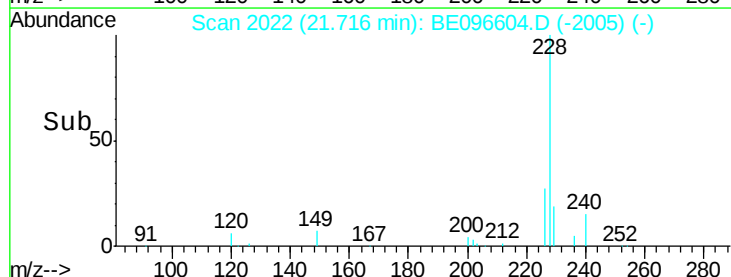
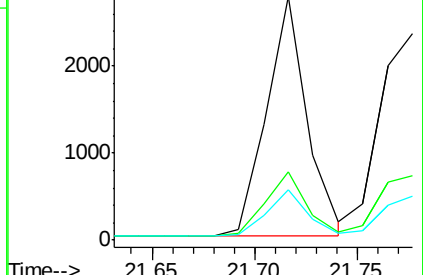
229 20.7 16.0 24.0

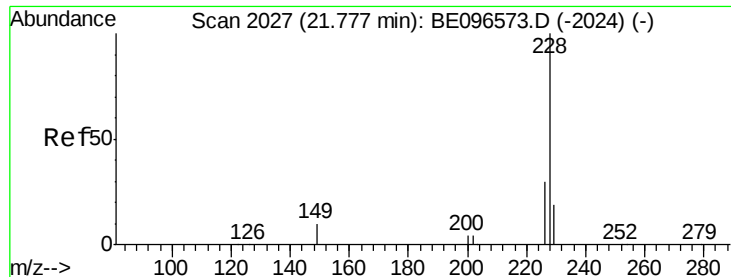


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.34 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

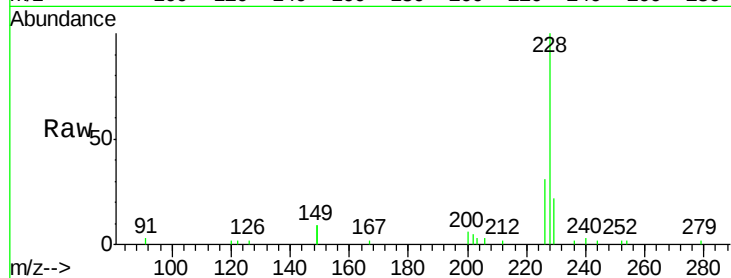
Tgt Ion:228 Resp: 3838

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

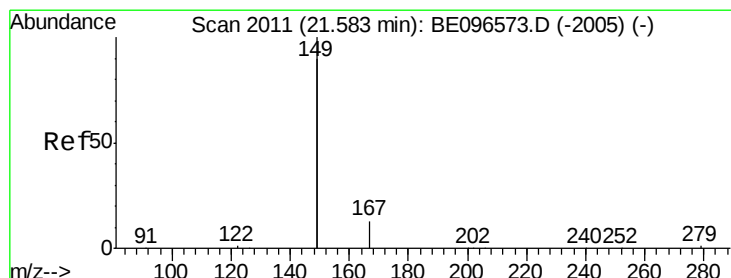
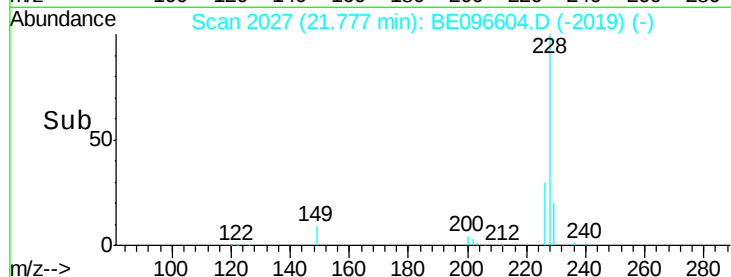
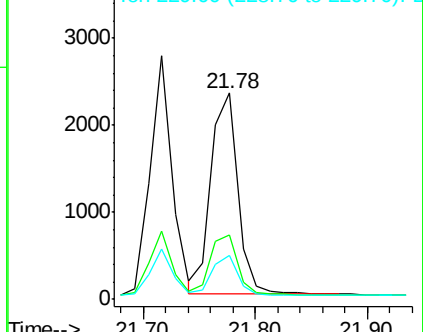
229 21.5 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.58 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

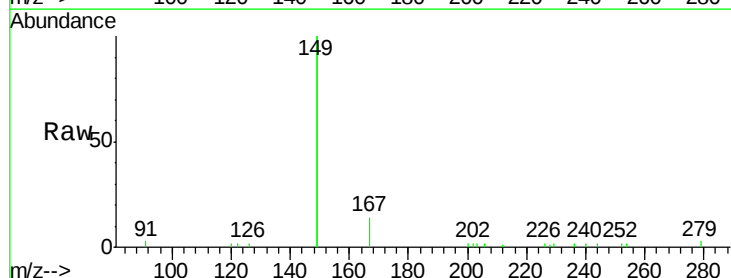
Tgt Ion:149 Resp: 6467

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

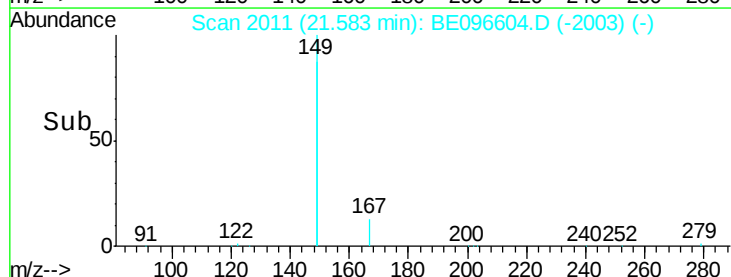
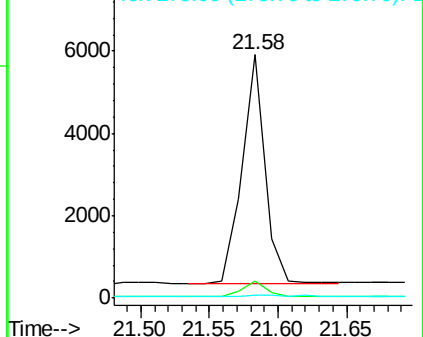
279 1.1 0.7 1.1



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 27.11 min Scan# 3466

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

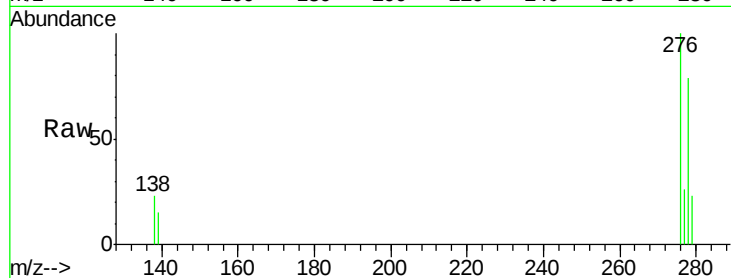
Tgt Ion:276 Resp: 3983

Ion Ratio Lower Upper

276 100

138 21.7 22.5 33.7#

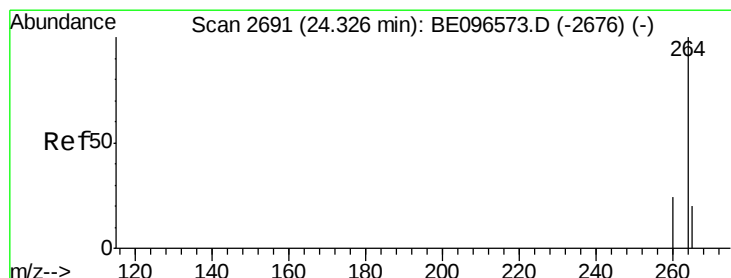
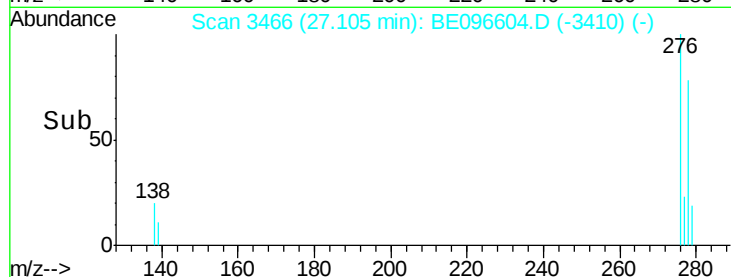
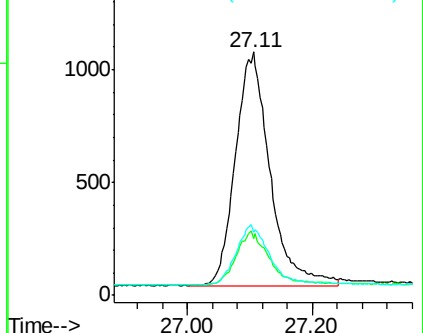
277 24.6 19.9 29.9



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



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

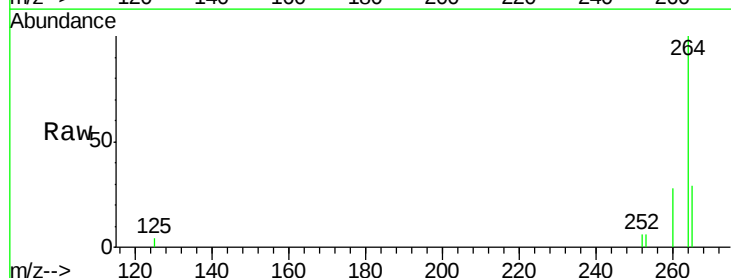
Tgt Ion:264 Resp: 3300

Ion Ratio Lower Upper

264 100

260 27.7 20.5 30.7

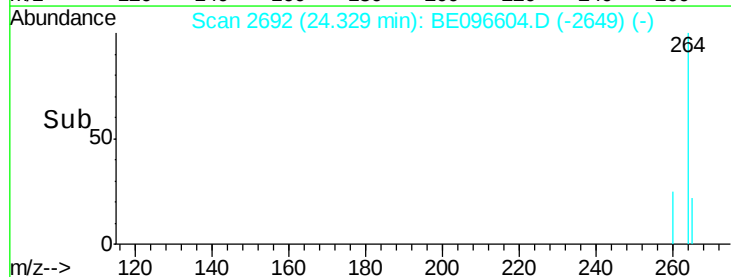
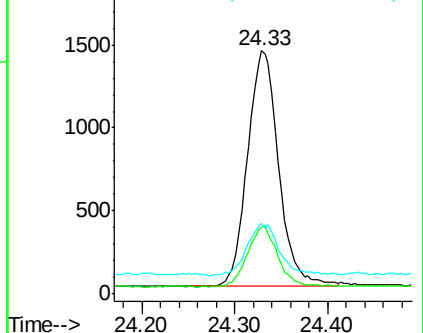
265 28.9 22.8 34.2

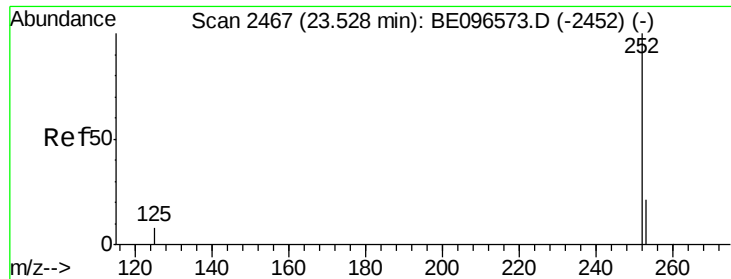


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.37 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

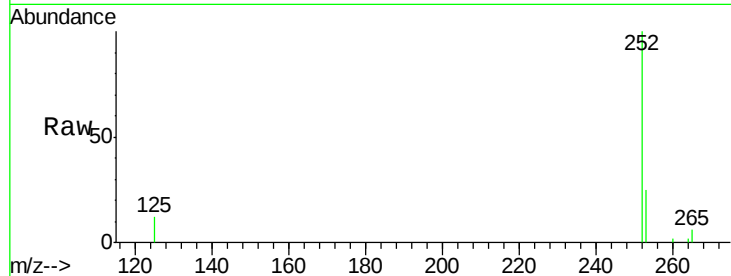
Tgt Ion:252 Resp: 3806

Ion Ratio Lower Upper

252 100

253 24.6 20.0 30.0

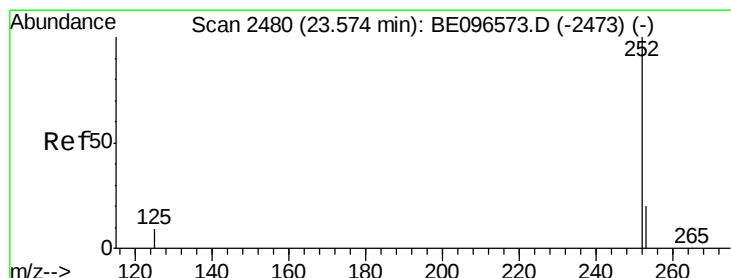
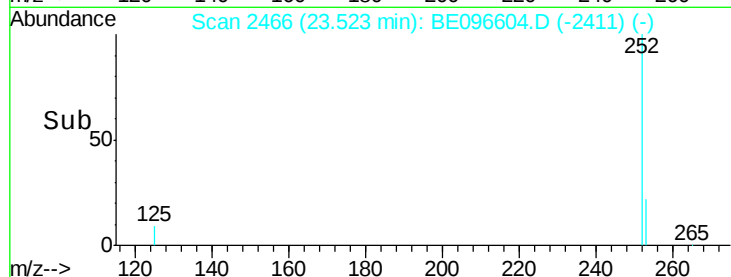
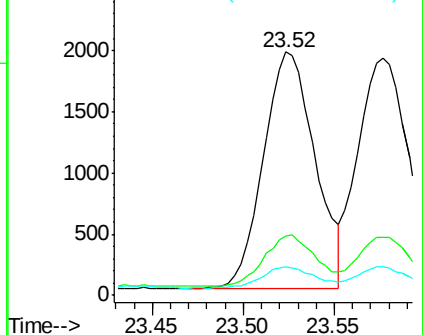
125 11.7 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.35 ng

RT: 23.58 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

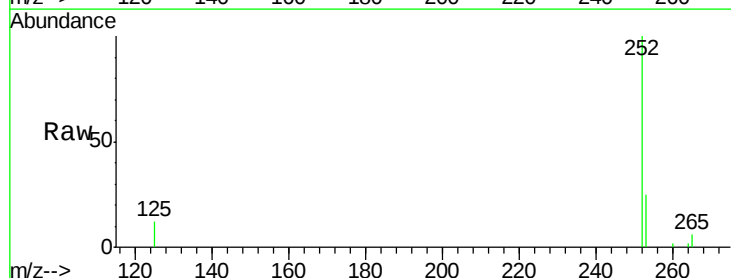
Tgt Ion:252 Resp: 3781

Ion Ratio Lower Upper

252 100

253 24.7 16.0 24.0#

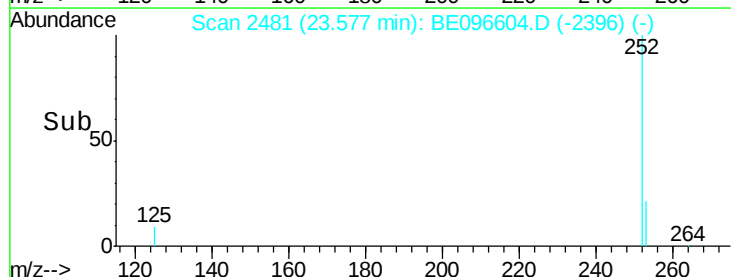
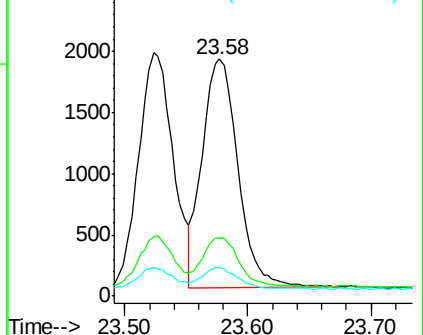
125 11.9 8.0 12.0

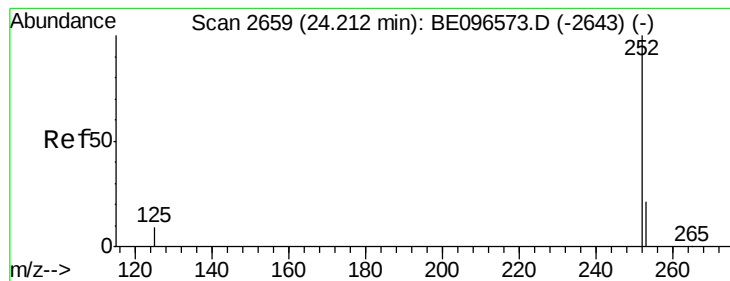


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.37 ng

RT: 24.21 min Scan# 2660

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD

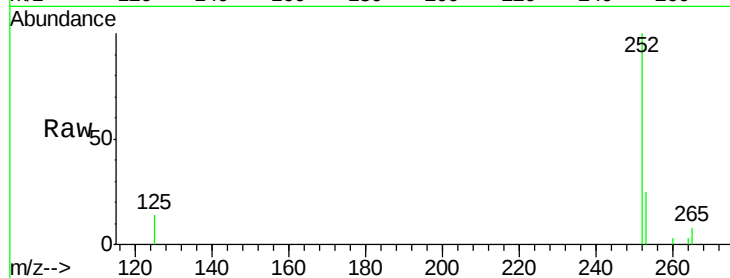
Tgt Ion: 252 Resp: 3554

Ion Ratio Lower Upper

252 100

253 25.4 16.0 24.0#

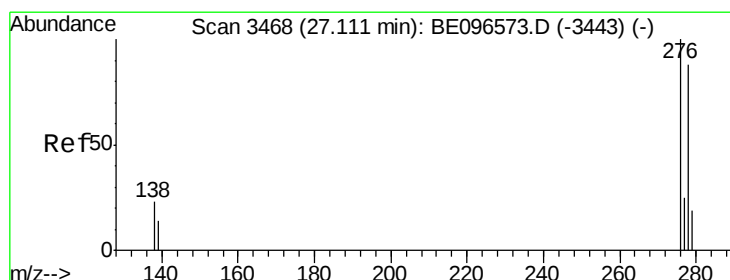
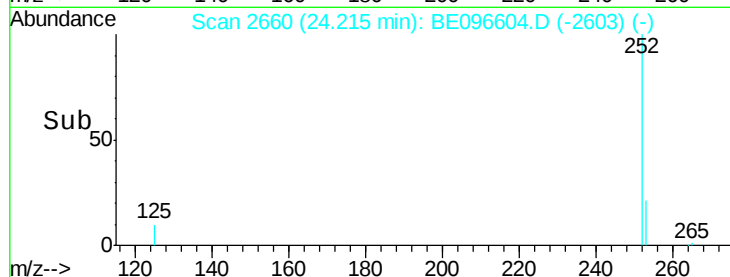
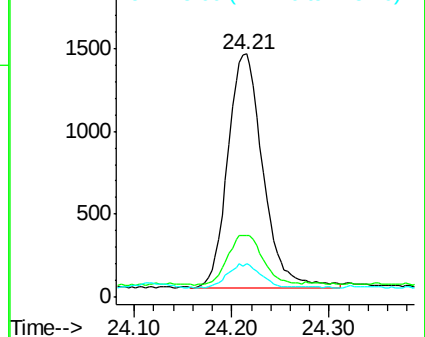
125 14.0 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.36 ng

RT: 27.11 min Scan# 3468

Delta R.T. 0.00 min

Lab File: BE096604.D

Acq: 17 May 2018 11:41

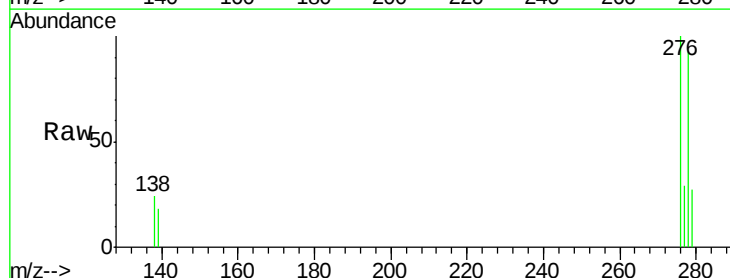
Tgt Ion: 278 Resp: 3167

Ion Ratio Lower Upper

278 100

139 19.5 16.0 24.0

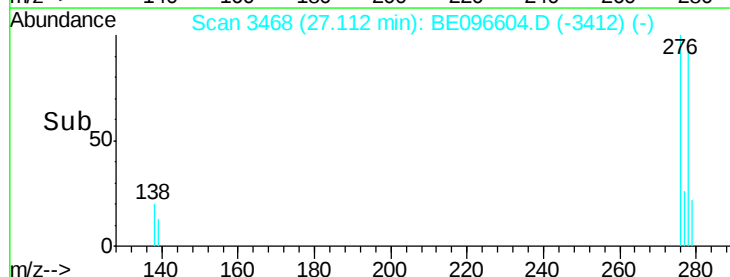
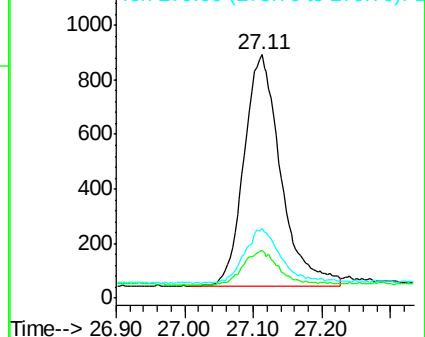
279 28.7 20.0 30.0

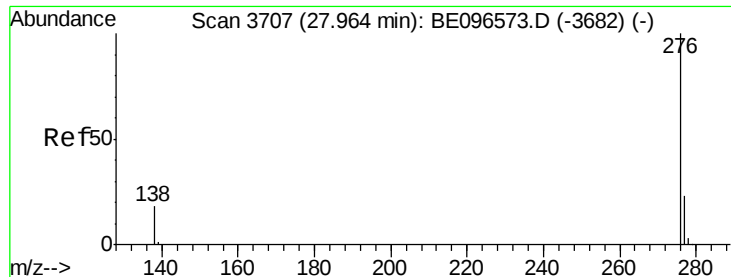


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.38 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BE096604.D

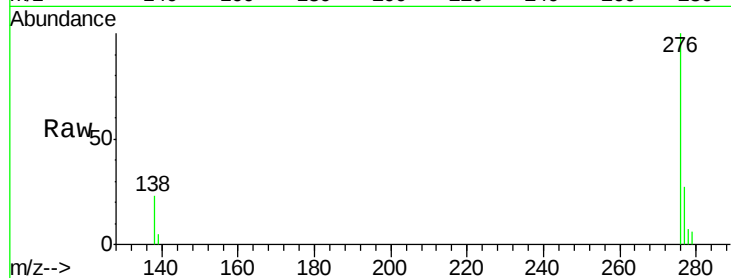
Acq: 17 May 2018 11:41

Instrument :

BNA_E

ClientSampleId :

PB109397BSD



Tgt Ion: 276 Resp: 3523

Ion Ratio Lower Upper

276 100

277 27.4 16.0 24.0#

138 23.0 20.0 30.0

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

