

Data File : BE100475.D
Acq On : 19 Jul 2019 18:28
Operator : HP/JU
Sample : K3911-03DL 25X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Quant Time: Jul 20 02:44:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 13:59:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	3584	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	15005	0.40	ng	0.01
13) Acenaphthene-d10	14.51	164	8743	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	19747	0.40	ng	0.01
27) Chrysene-d12	21.40	240	21008	0.40	ng	0.02
34) Perylene-d12	23.97	264	5581	0.40	ng	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	173	0.02	ng	0.01
5) Phenol-d6	7.04	99	509	0.04	ng	0.01
8) Nitrobenzene-d5	9.03	82	431	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	446	0.02	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	163	0.04	ng	0.01
15) 2-Fluorobiphenyl	13.15	172	446	0.01	ng	0.01
25) Fluoranthene-d10	19.26	212	3130	0.01	ng	0.02
29) Terphenyl-d14	19.85	244	1378	0.03	ng	0.01

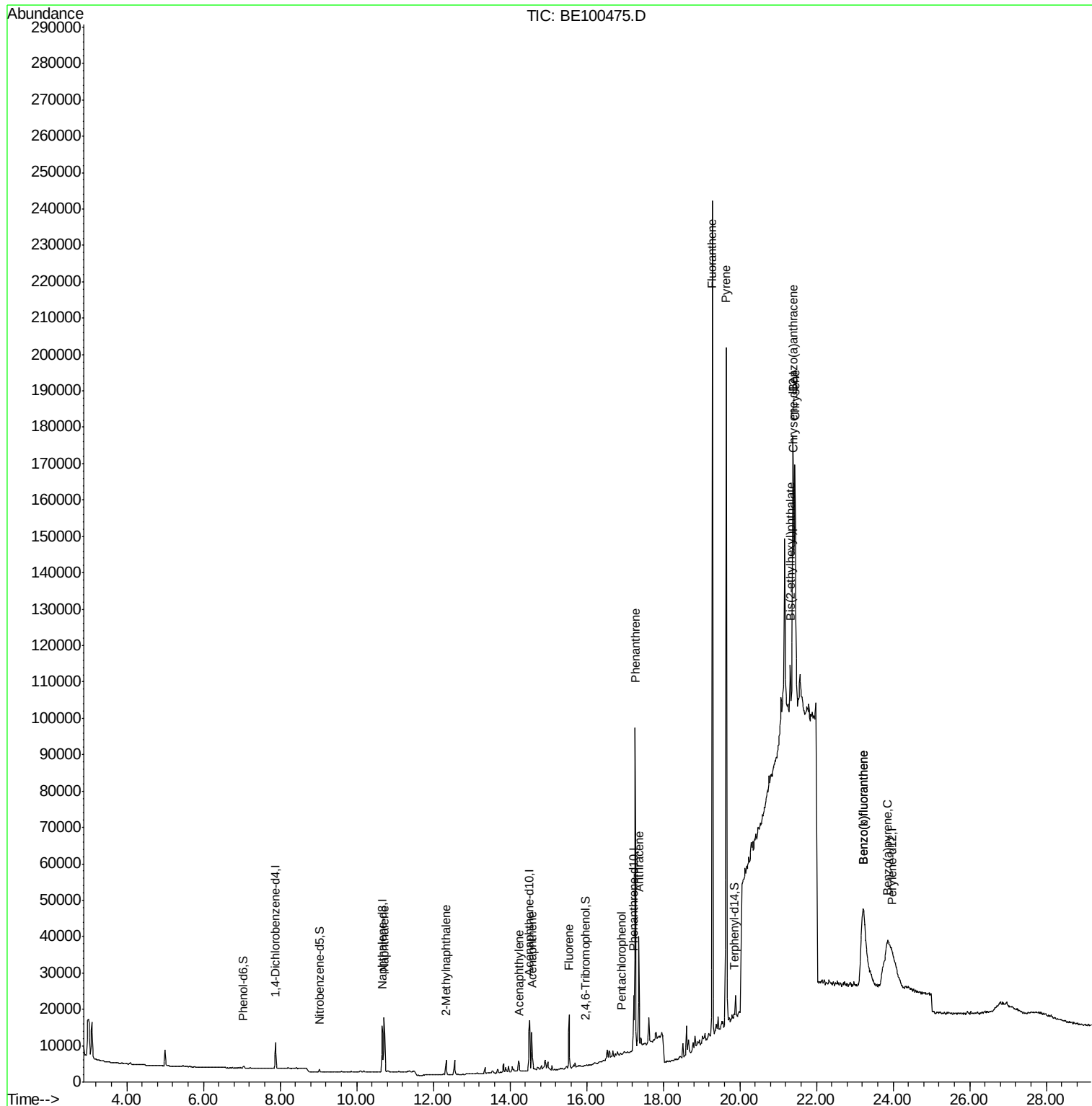
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.72	128	24712	0.172	ng	99
12) 2-Methylnaphthalene	12.34	142	2986	0.119	ng	100
16) Acenaphthylene	14.23	152	4087	0.102	ng	96
17) Acenaphthene	14.57	154	5478	0.224	ng	99
18) Fluorene	15.54	166	11256	0.346	ng	# 95
22) Pentachlorophenol	16.92	266	92	0.207	ng	# 81
23) Phenanthrene	17.27	178	95938	1.964	ng	100
24) Anthracene	17.36	178	32574	0.714	ng	97
26) Fluoranthene	19.29	202	224006	3.086	ng	99
28) Pyrene	19.65	202	200810	3.251	ng	# 93
30) Benzo(a)anthracene	21.39	228	103851	1.621	ng	# 80
31) Chrysene	21.44	228	89076	1.394	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.32	149	17577	0.124	ng	# 94
35) Benzo(b)fluoranthene	23.22	252	151367	9.815	ng	# 36
36) Benzo(k)fluoranthene	23.22	252	166533	10.163	ng	# 39
37) Benzo(a)pyrene	23.86	252	121126	8.144	ng	# 4

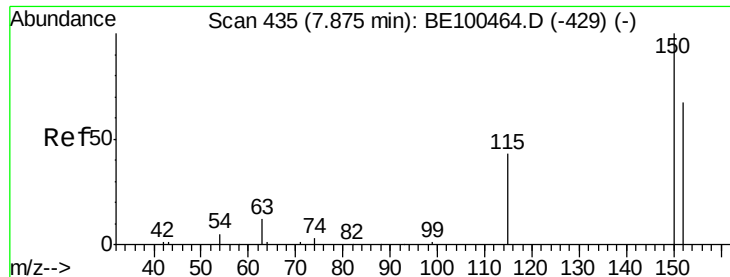
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

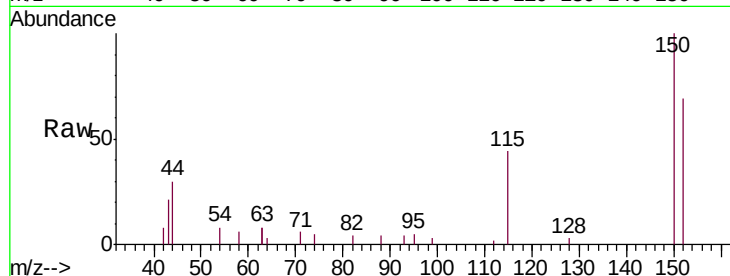
Tgt Ion:152 Resp: 3584

Ion Ratio Lower Upper

152 100

150 145.7 117.6 176.4

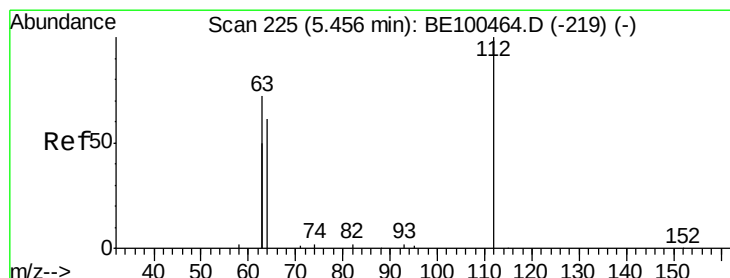
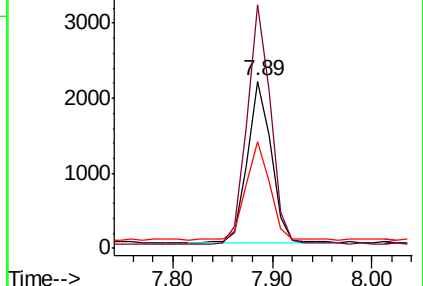
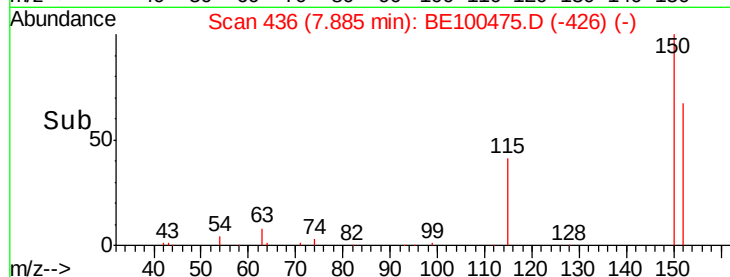
115 63.8 54.9 82.3



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



#4

2-Fluorophenol

Concen: 0.019 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

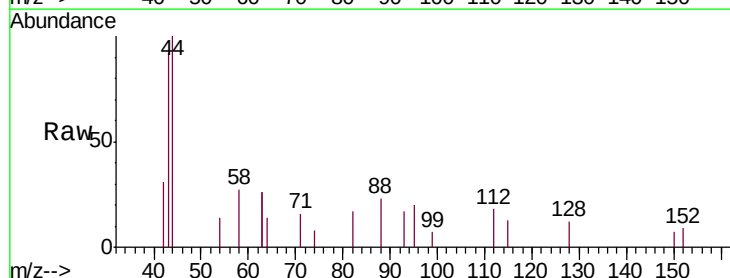
Tgt Ion:112 Resp: 173

Ion Ratio Lower Upper

112 100

64 72.8 51.9 77.9

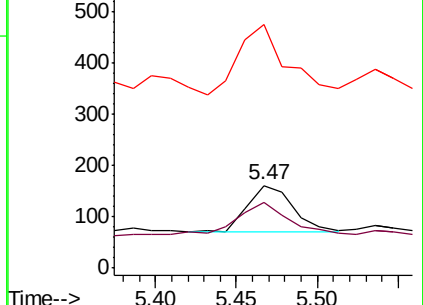
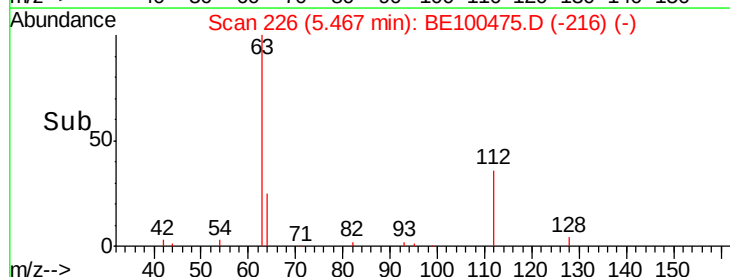
63 178.0 103.9 155.9#

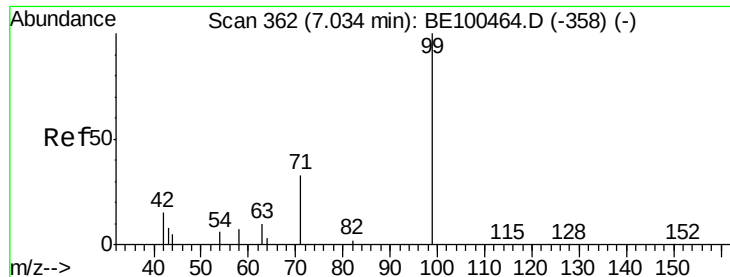


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.041 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

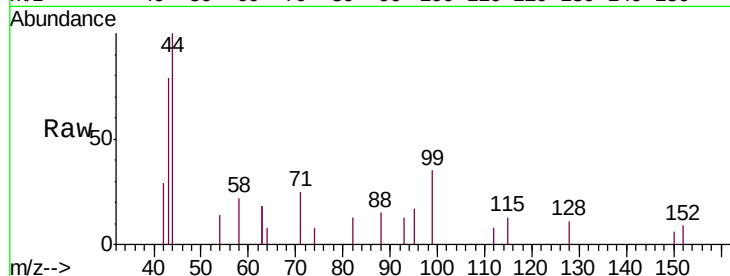
Tgt Ion: 99 Resp: 509

Ion Ratio Lower Upper

99 100

42 27.1 16.2 24.4#

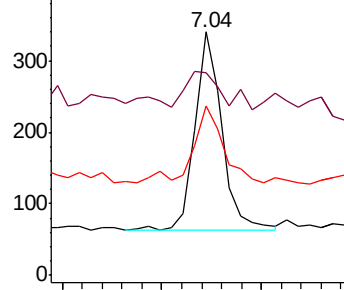
71 44.2 26.0 39.0#



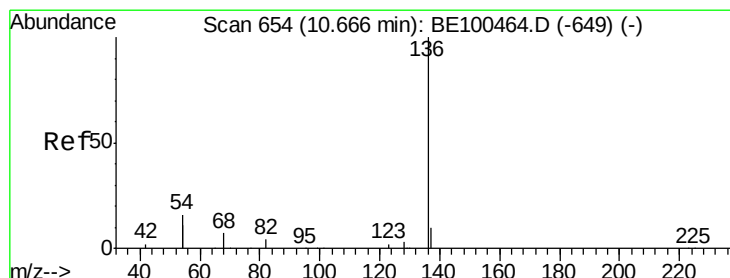
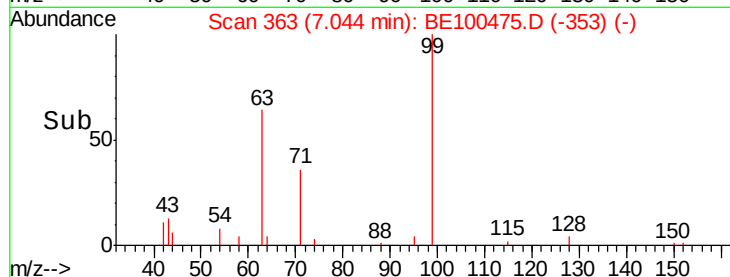
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Tgt Ion: 136 Resp: 15005

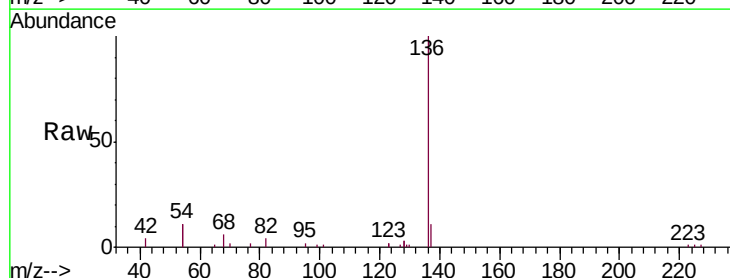
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 22.7 26.2 39.2#

68 5.8 6.5 9.7#

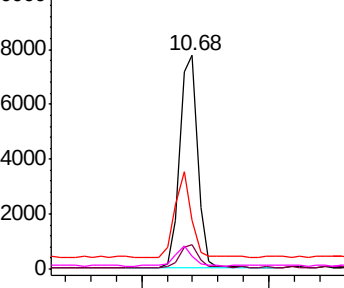


Abundance Ion 136.00 (135.70 to 136.70): E

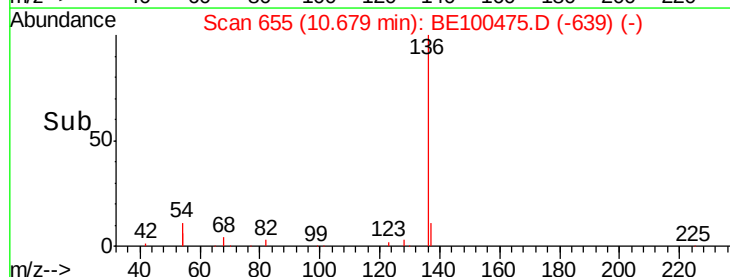
Ion 137.00 (136.70 to 137.70): E

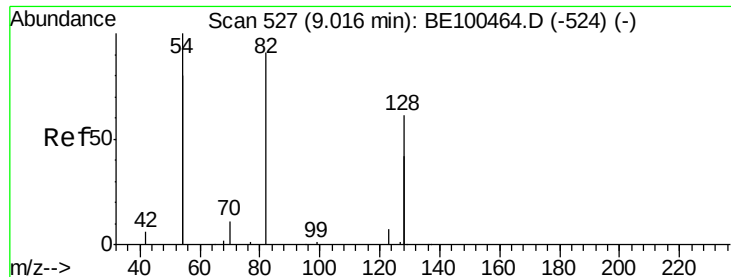
Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.036 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

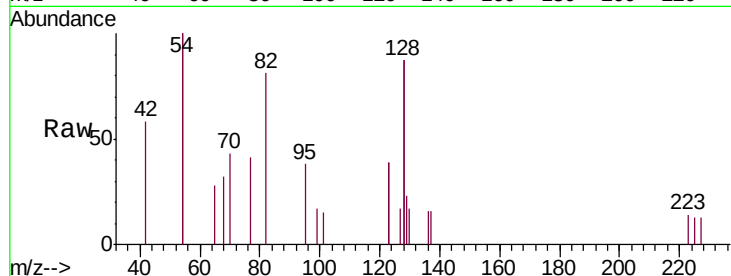
Tgt Ion: 82 Resp: 431

Ion Ratio Lower Upper

82 100

128 216.8 100.7 151.1#

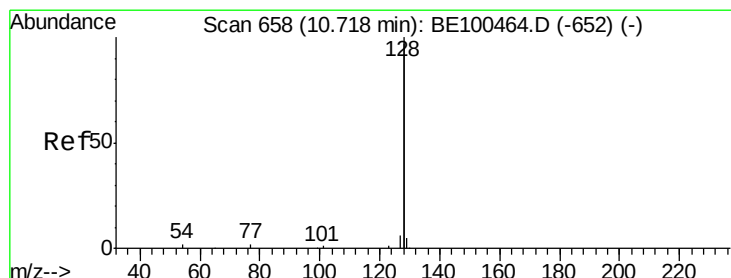
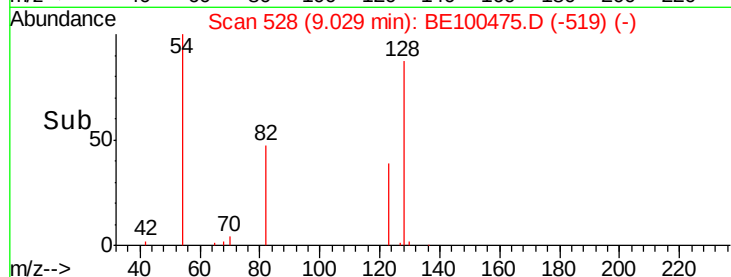
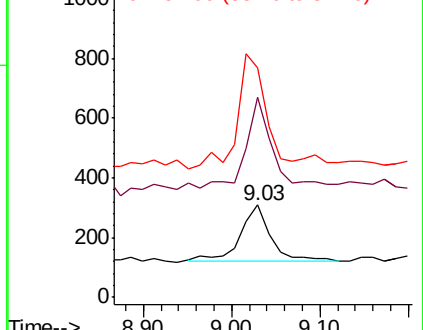
54 248.4 164.4 246.6#



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.172 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

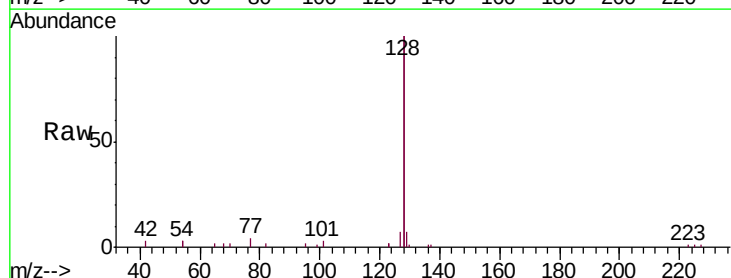
Tgt Ion: 128 Resp: 24712

Ion Ratio Lower Upper

128 100

129 3.4 2.4 3.6

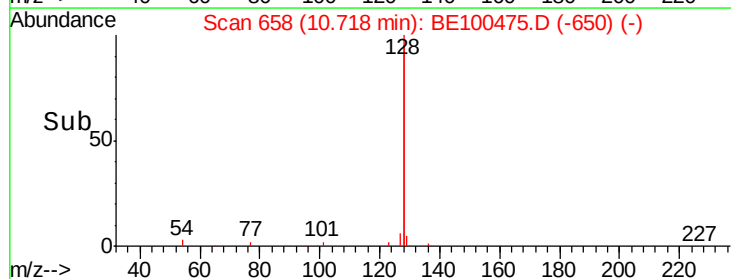
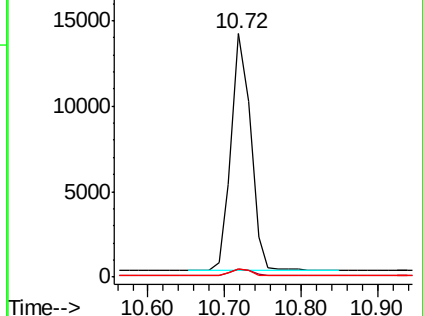
127 3.5 2.6 4.0

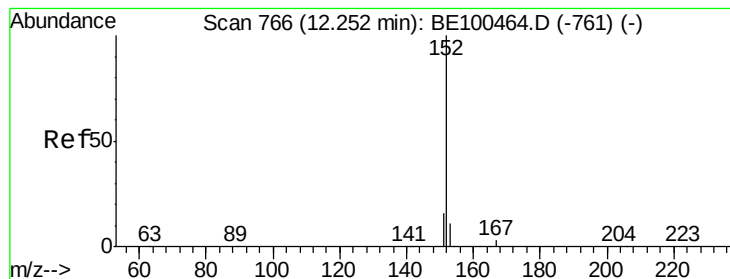


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.019 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

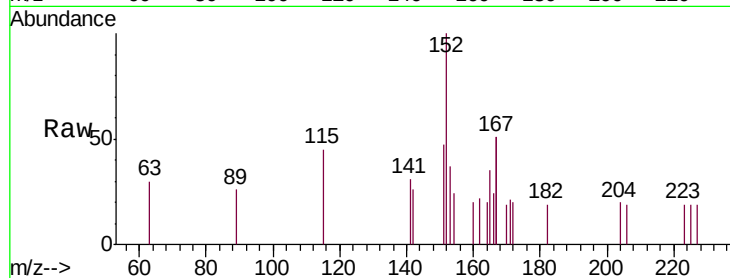
HJDC-COMP1DL

Tgt Ion:152 Resp: 446

Ion Ratio Lower Upper

152 100

151 26.2 15.8 23.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

300

200

100

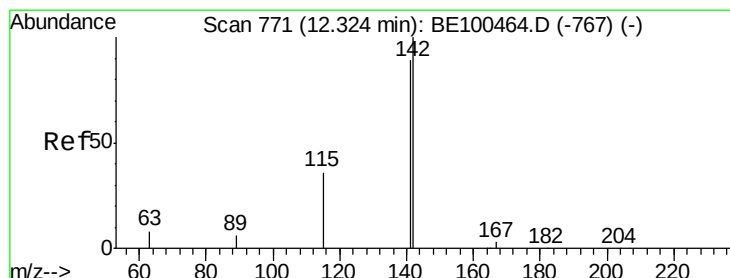
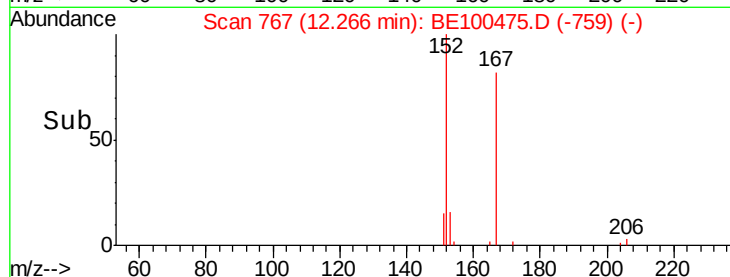
0

12.27

12.20

12.30

Time-->



#12

2-Methylnaphthalene

Concen: 0.119 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

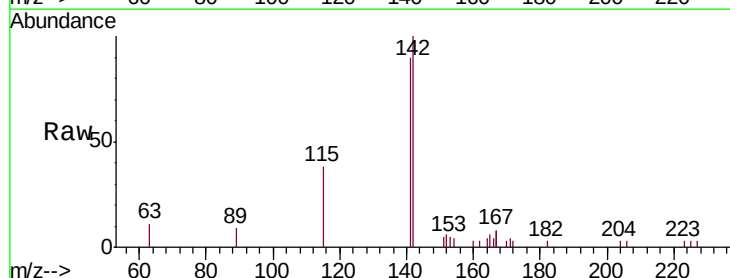
Tgt Ion:142 Resp: 2986

Ion Ratio Lower Upper

142 100

141 89.6 71.7 107.5

115 38.2 30.4 45.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2500

2000

1500

1000

500

0

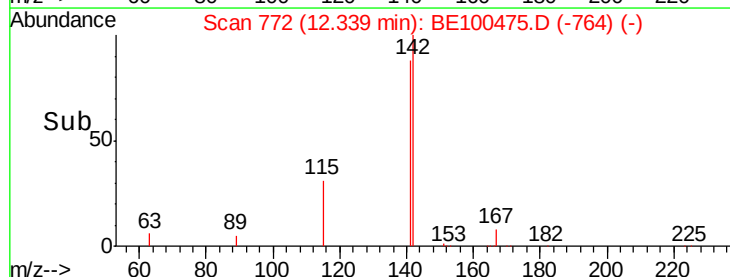
12.34

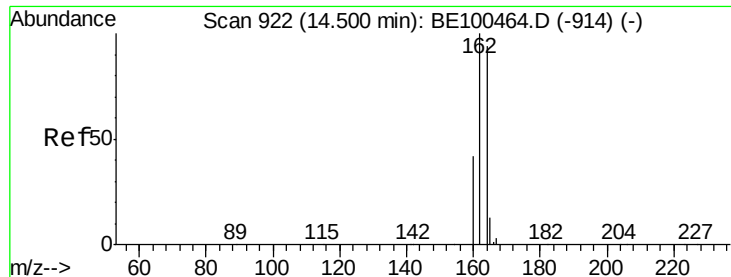
12.20

12.30

12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

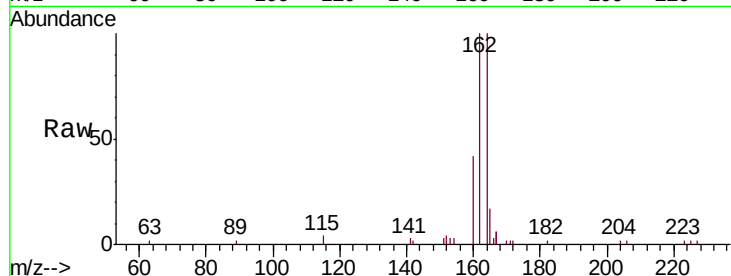
Tgt Ion:164 Resp: 8743

Ion Ratio Lower Upper

164 100

162 100.3 85.0 127.6

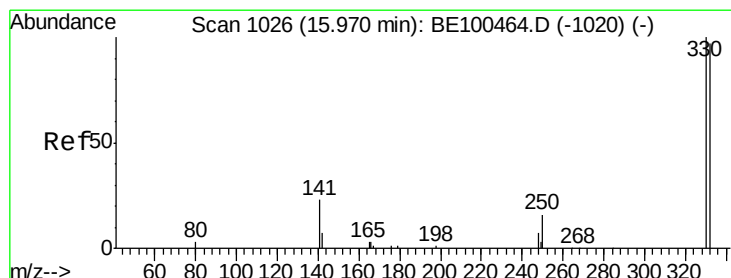
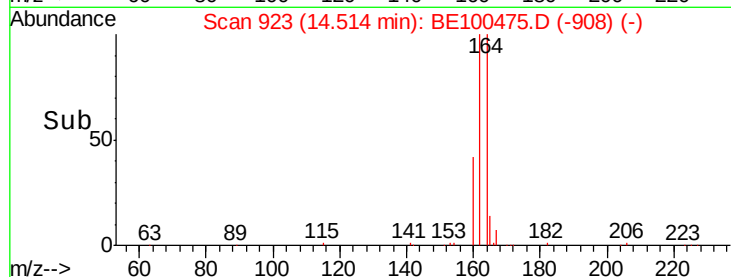
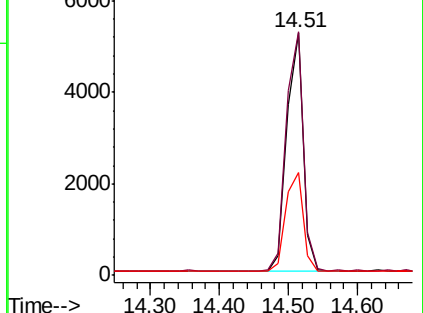
160 42.6 36.2 54.2



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: 0.044 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

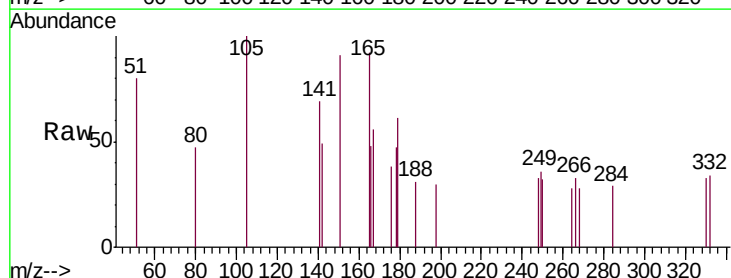
Tgt Ion:330 Resp: 163

Ion Ratio Lower Upper

330 100

332 55.2 76.3 114.5#

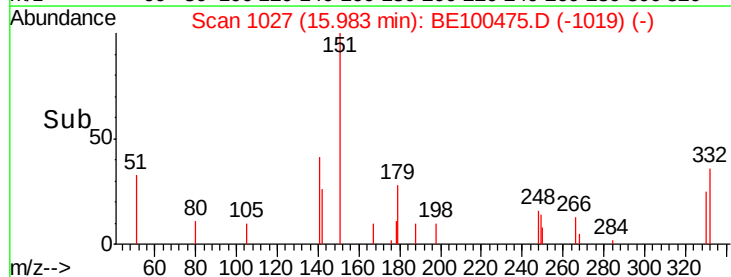
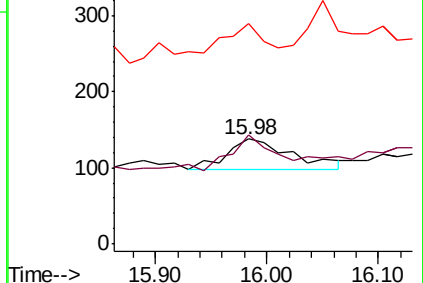
141 51.5 29.4 44.2#

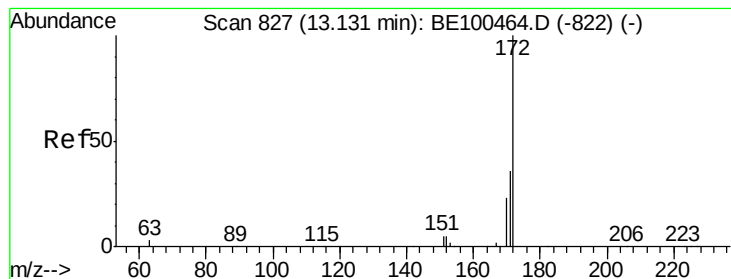


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.012 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

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HJDC-COMP1DL

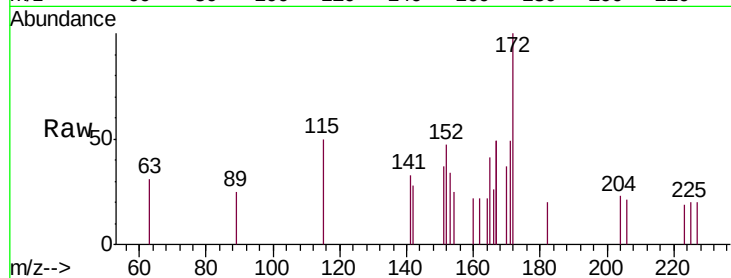
Tgt Ion:172 Resp: 446

Ion Ratio Lower Upper

172 100

171 49.0 29.2 43.8#

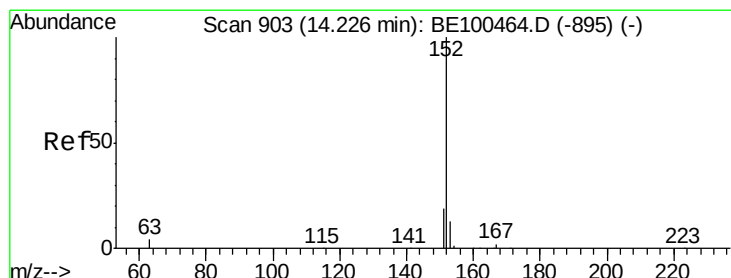
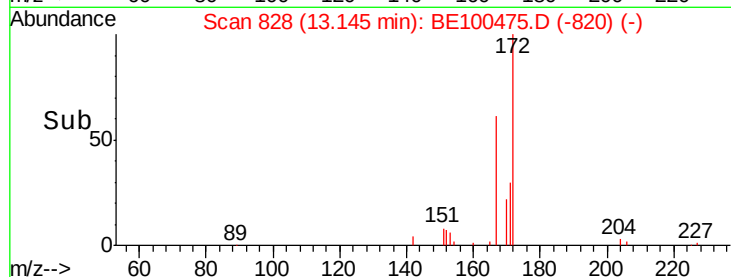
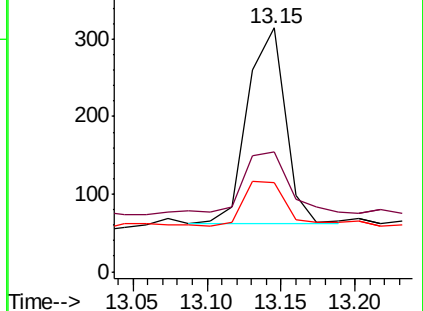
170 36.6 18.8 28.2#



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



#16

Acenaphthylene

Concen: 0.102 ng

RT: 14.23 min Scan# 903

Delta R.T. -0.00 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

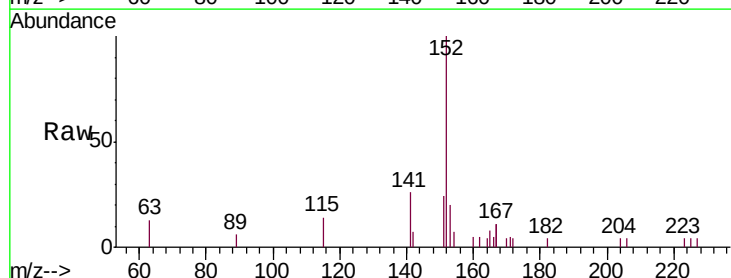
Tgt Ion:152 Resp: 4087

Ion Ratio Lower Upper

152 100

151 17.9 15.5 23.3

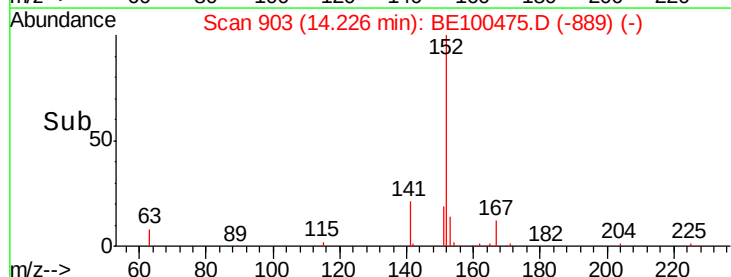
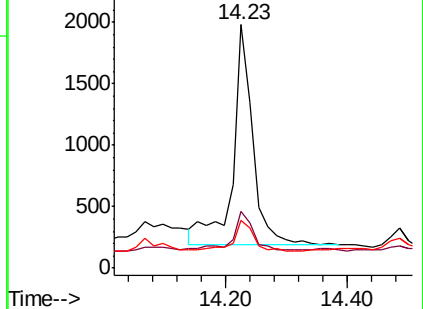
153 14.9 10.6 15.8

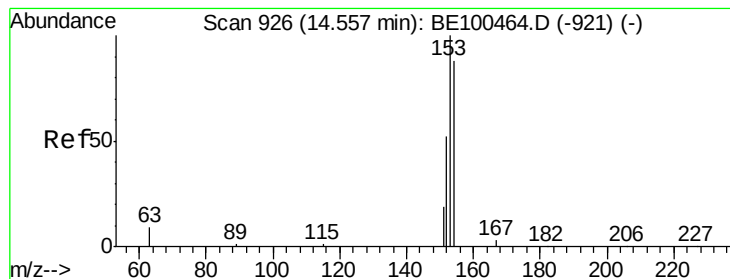


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.224 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

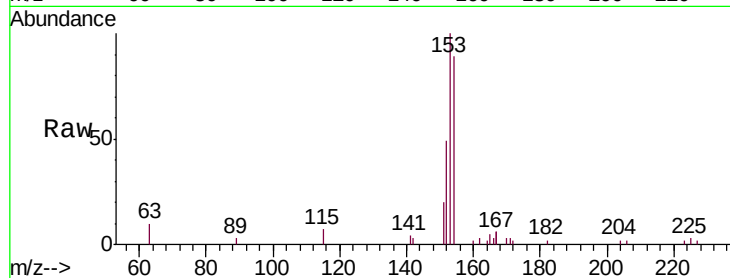
Tgt Ion:154 Resp: 5478

Ion Ratio Lower Upper

154 100

153 112.7 89.4 134.2

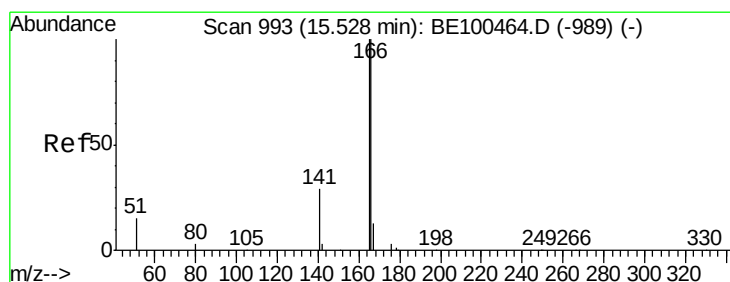
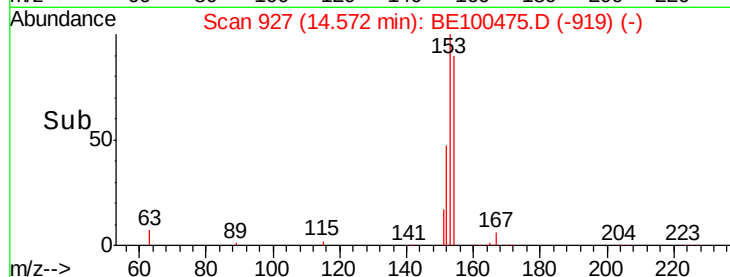
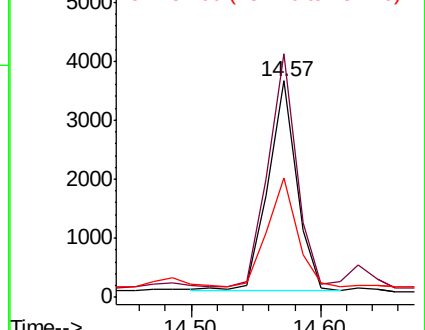
152 54.0 44.4 66.6



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: 0.346 ng

RT: 15.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

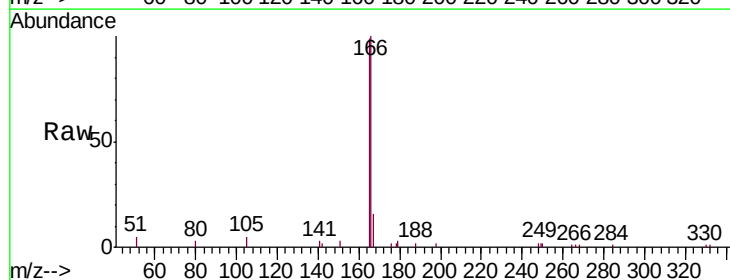
Tgt Ion:166 Resp: 11256

Ion Ratio Lower Upper

166 100

165 104.1 79.8 119.8

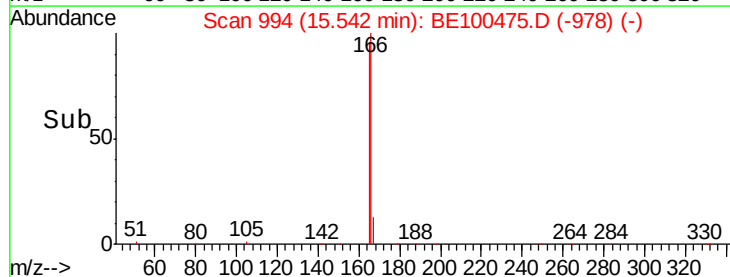
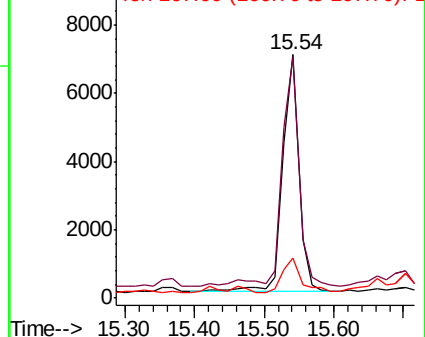
167 16.0 10.4 15.6#

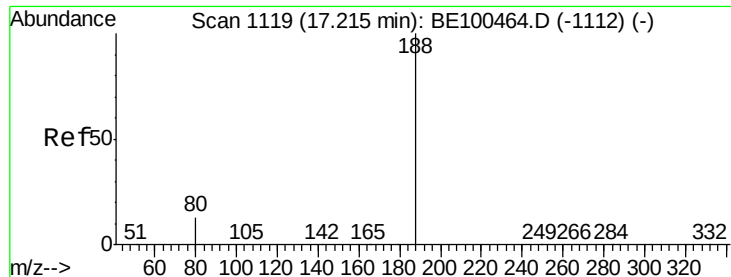


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

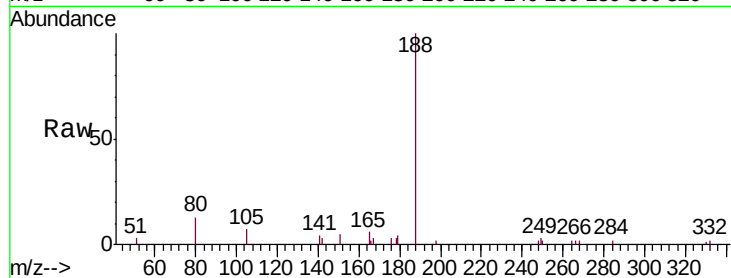
Tgt Ion:188 Resp: 19747

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

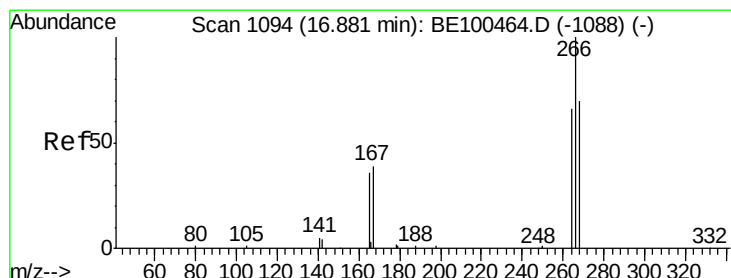
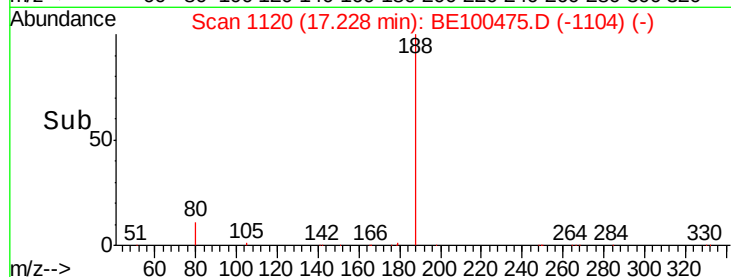
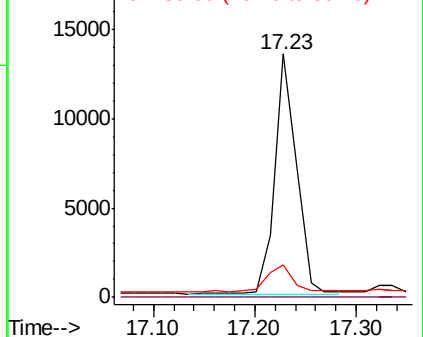
80 13.4 10.7 16.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22

Pentachlorophenol

Concen: 0.207 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.04 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

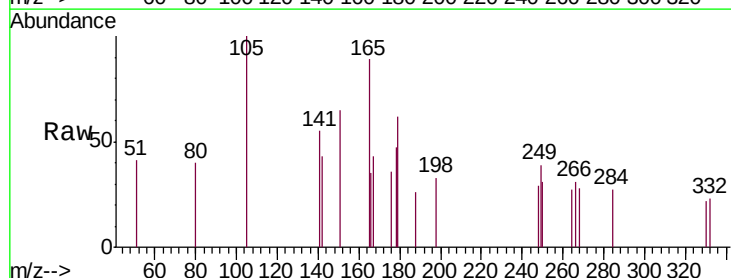
Tgt Ion:266 Resp: 92

Ion Ratio Lower Upper

266 100

264 85.6 55.5 83.3#

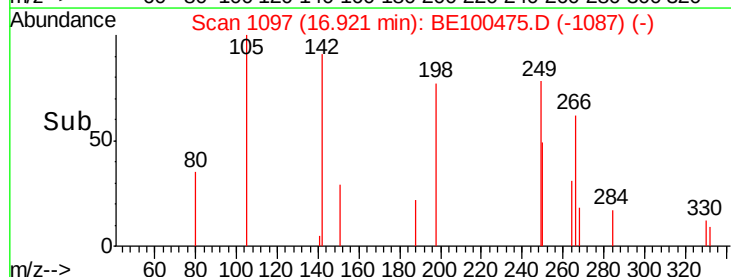
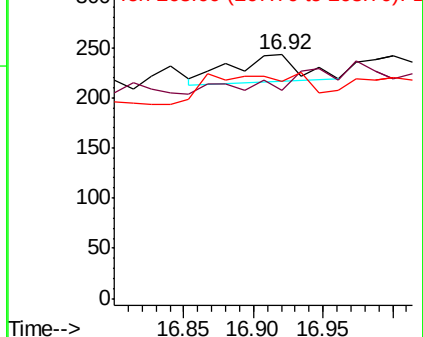
268 88.9 59.2 88.8#

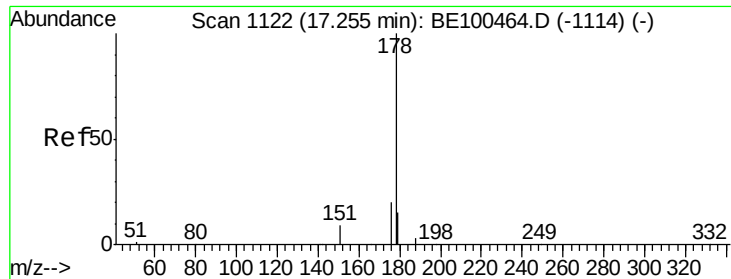


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.964 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

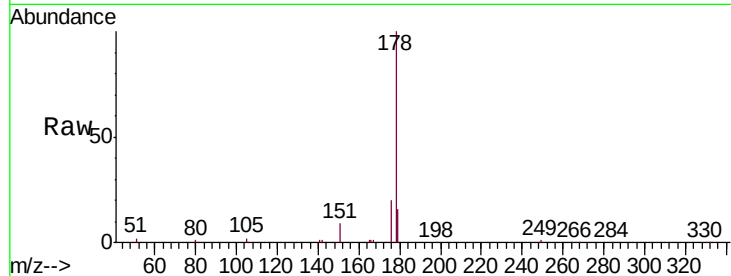
Tgt Ion:178 Resp: 95938

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

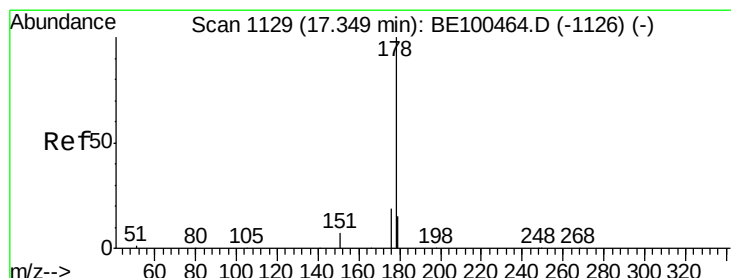
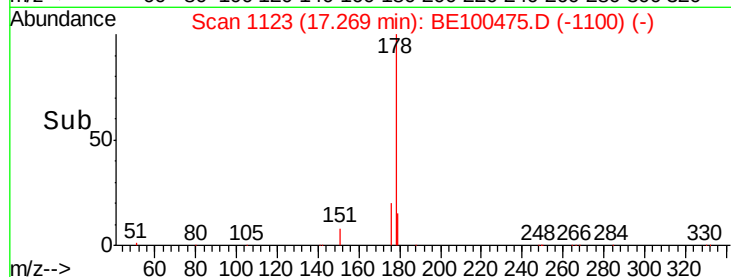
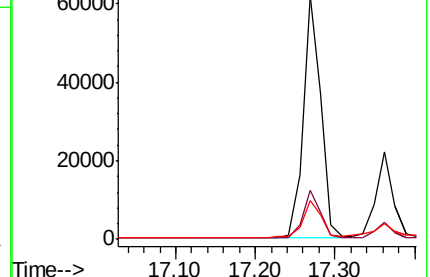
179 15.9 12.5 18.7



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



#24

Anthracene

Concen: 0.714 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

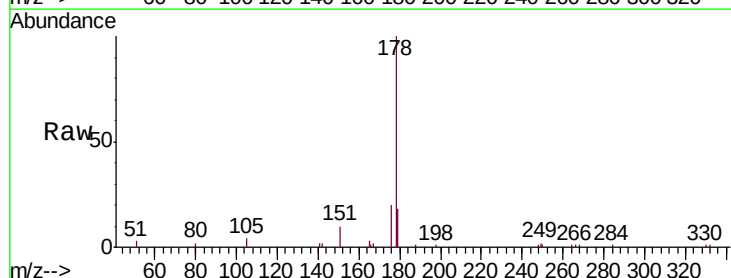
Tgt Ion:178 Resp: 32574

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

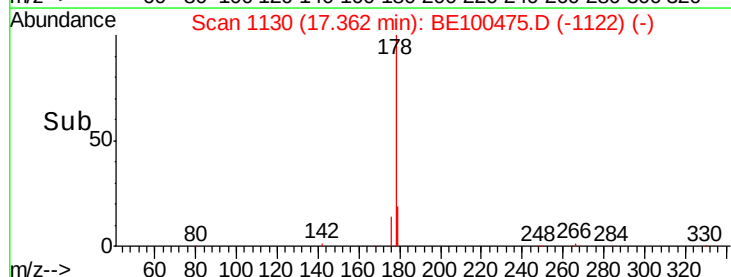
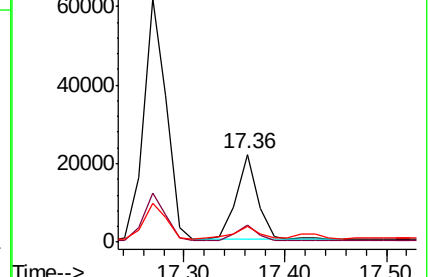
179 17.3 12.2 18.2

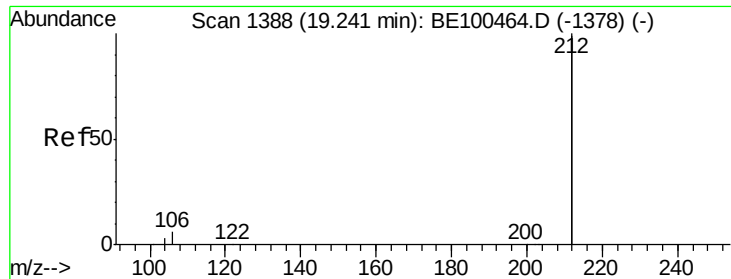


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

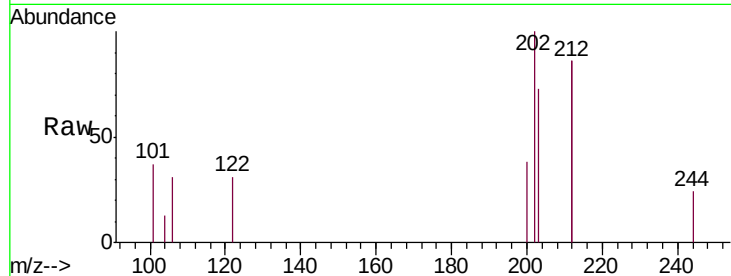




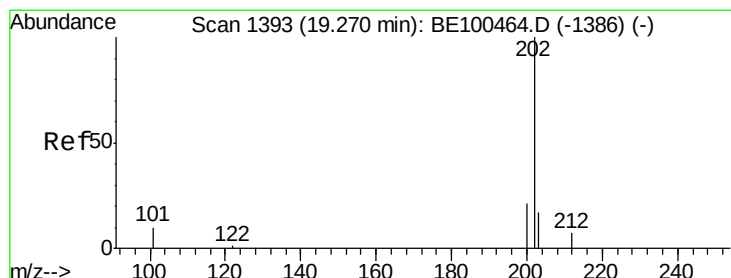
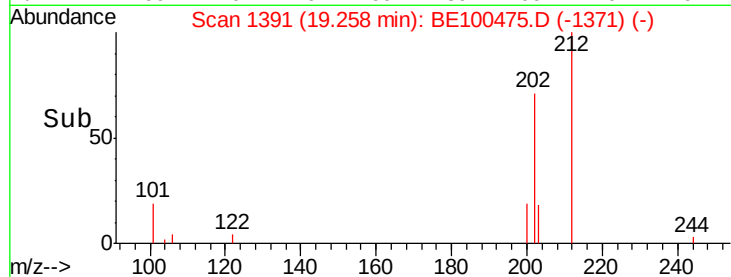
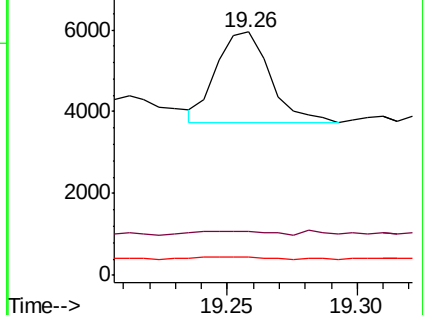
#25
Fluoranthene-d10
Concen: 0.011 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.02 min
Lab File: BE100475.D
Acq: 19 Jul 2019 18:28

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tgt Ion: 212 Resp: 3130
Ion Ratio Lower Upper
212 100
106 6.9 2.2 3.2#
104 4.0 1.2 1.8#

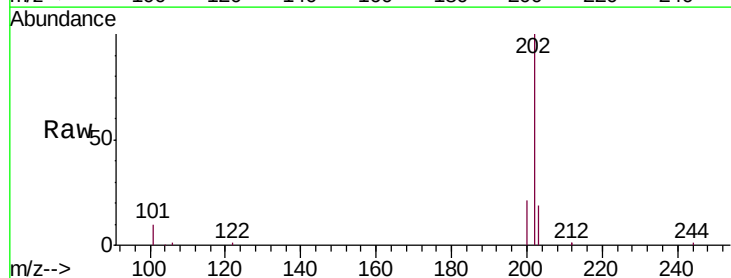


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

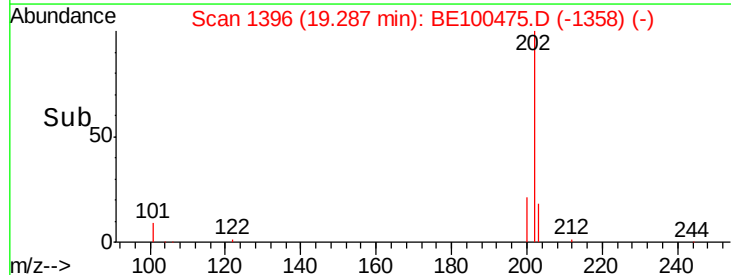
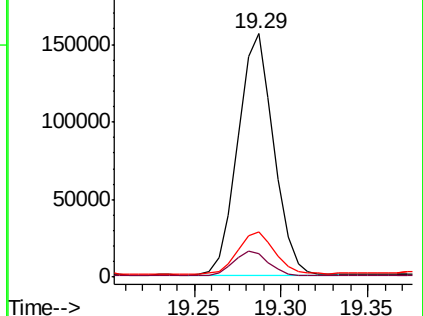


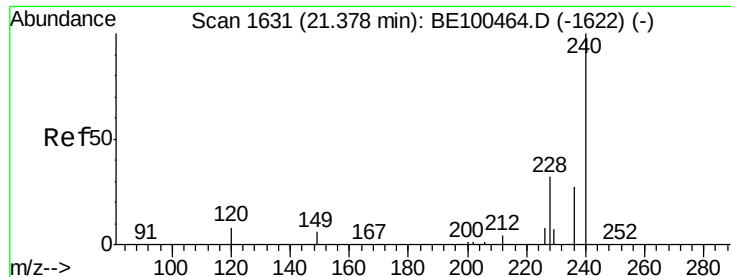
#26
Fluoranthene
Concen: 3.086 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.02 min
Lab File: BE100475.D
Acq: 19 Jul 2019 18:28

Tgt Ion: 202 Resp: 224006
Ion Ratio Lower Upper
202 100
101 10.3 8.3 12.5
203 17.5 13.6 20.4



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: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.02 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

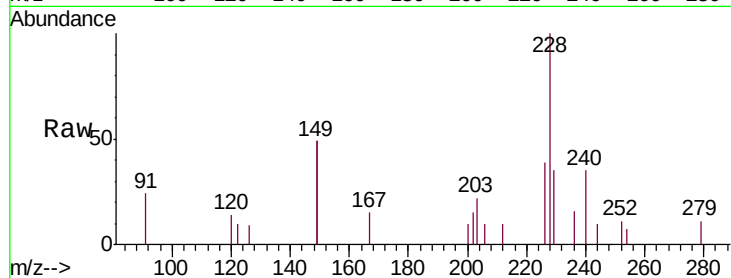
Tgt Ion:240 Resp: 21008

Ion Ratio Lower Upper

240 100

120 39.6 7.1 10.7#

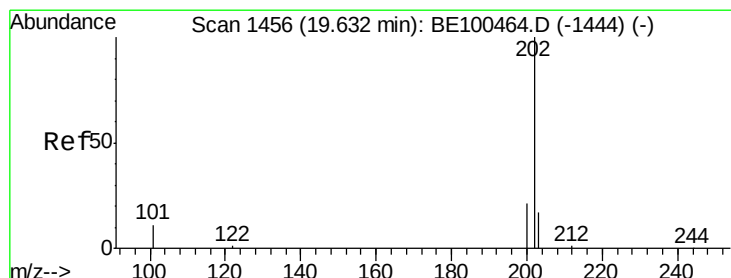
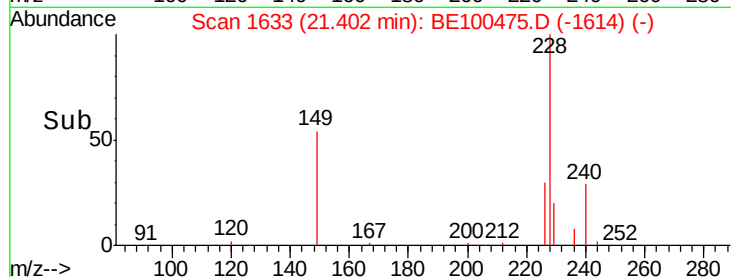
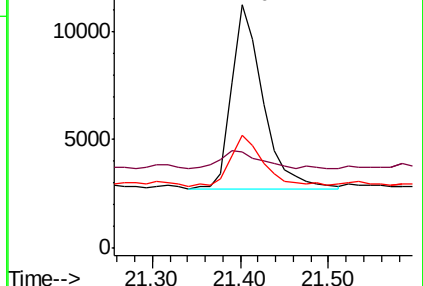
236 46.5 21.7 32.5#



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



#28

Pyrene

Concen: 3.251 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.02 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

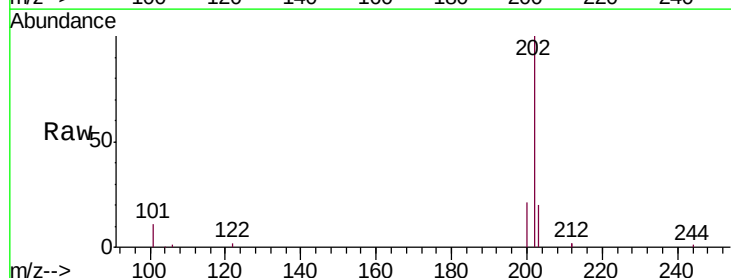
Tgt Ion:202 Resp: 200810

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

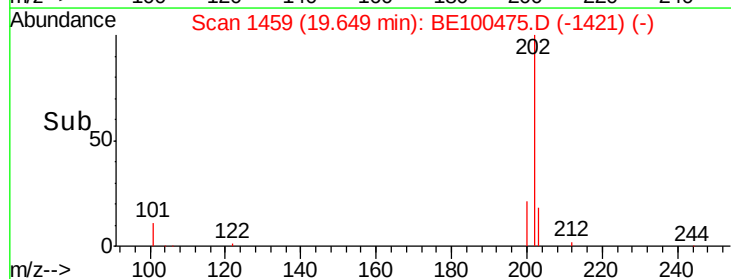
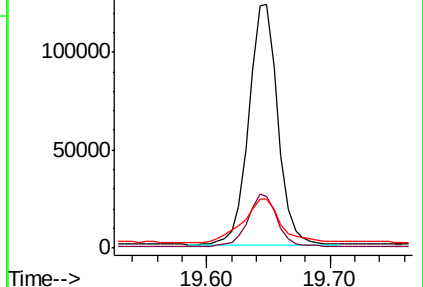
203 23.7 13.8 20.8#

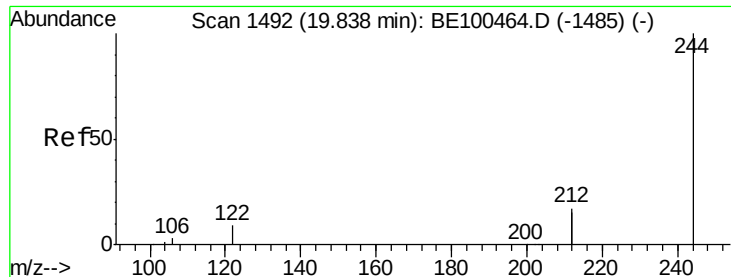


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.028 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

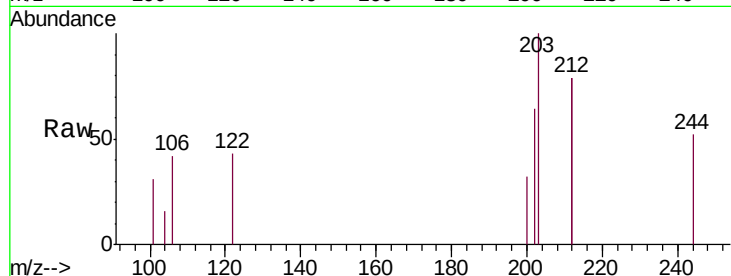
Tgt Ion:244 Resp: 1378

Ion Ratio Lower Upper

244 100

212 302.3 26.6 40.0#

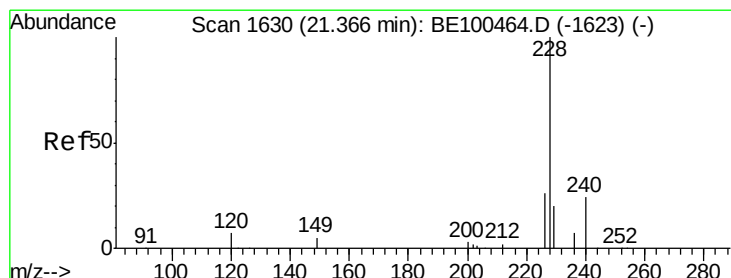
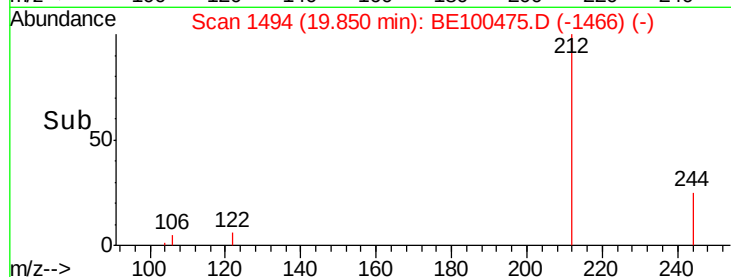
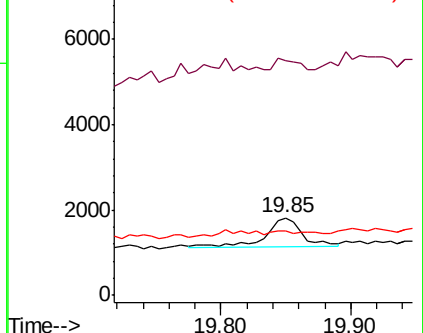
122 83.0 7.6 11.4#



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: 1.621 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.02 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

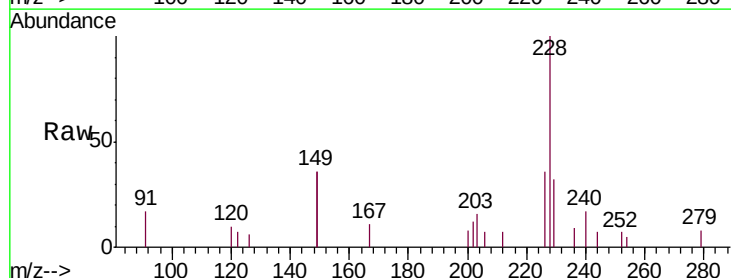
Tgt Ion:228 Resp: 103851

Ion Ratio Lower Upper

228 100

226 36.0 21.3 31.9#

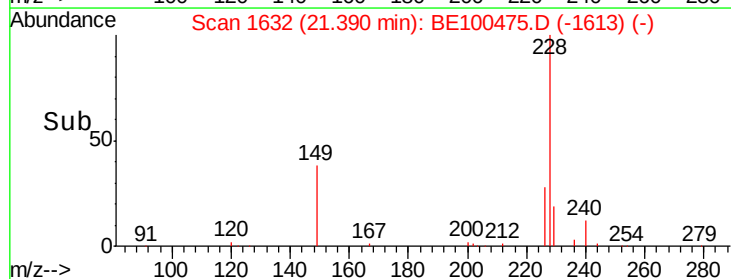
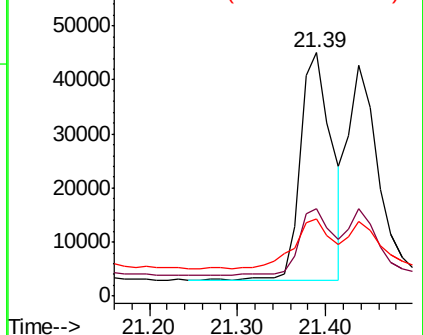
229 31.5 16.6 25.0#

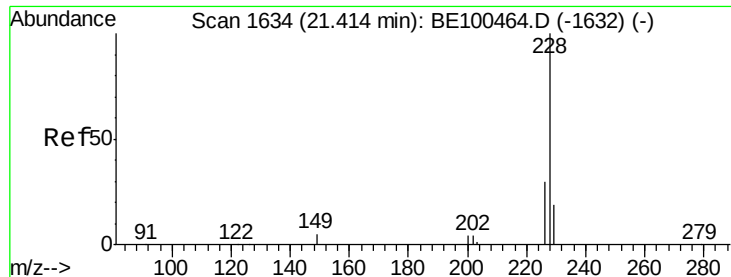


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.394 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.02 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

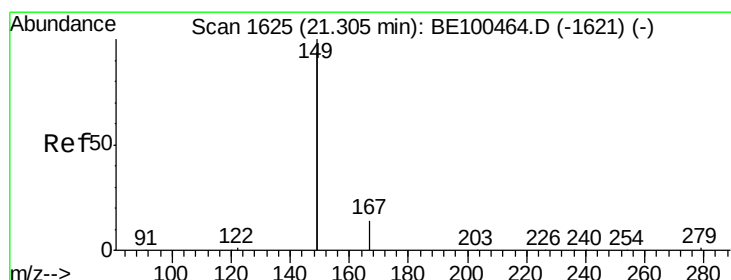
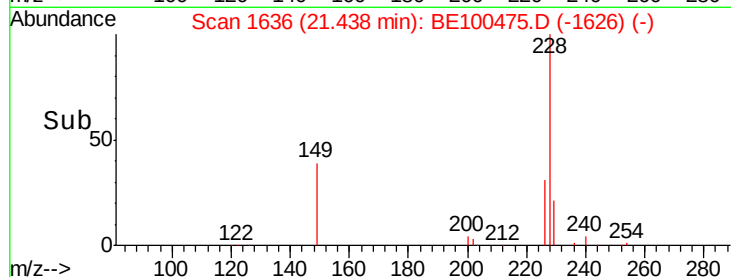
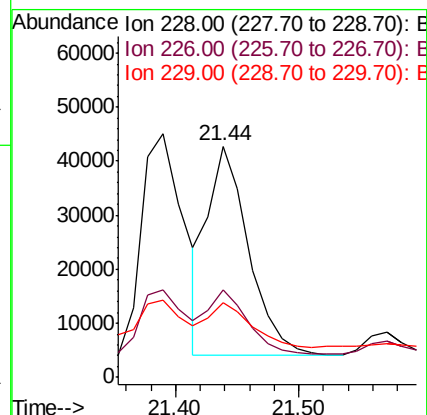
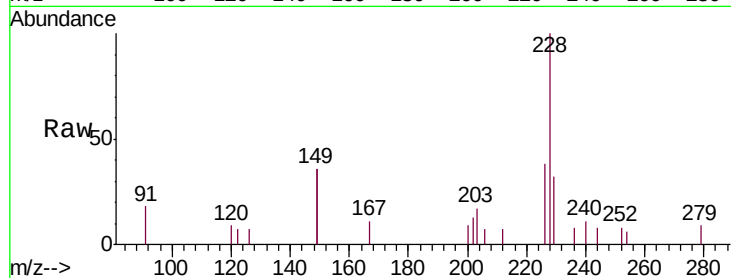
Tgt Ion:228 Resp: 89076

Ion Ratio Lower Upper

228 100

226 37.9 24.5 36.7#

229 32.3 16.0 24.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.124 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

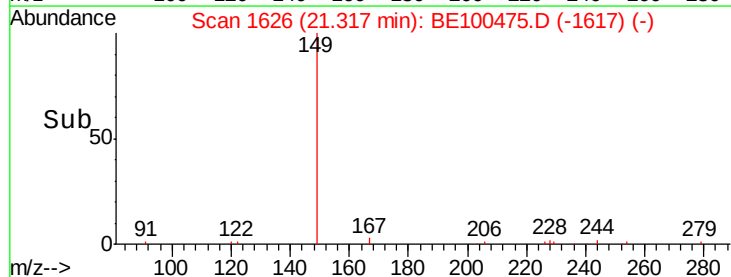
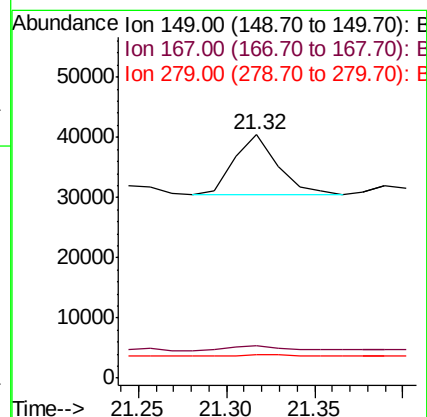
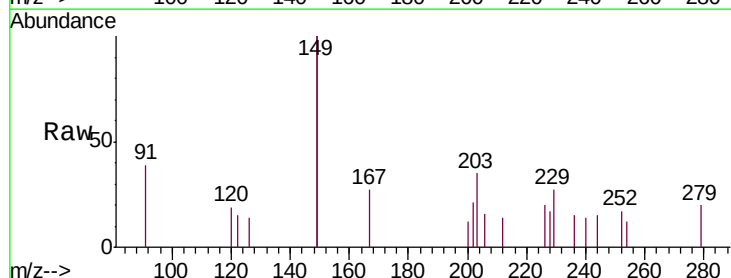
Tgt Ion:149 Resp: 17577

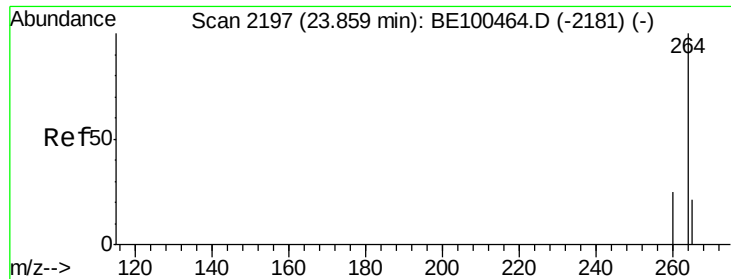
Ion Ratio Lower Upper

149 100

167 9.2 5.8 8.6#

279 3.0 0.8 1.2#

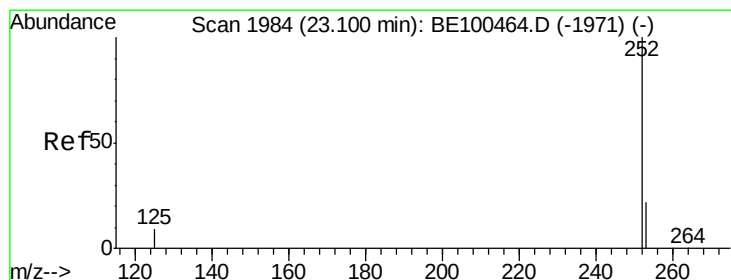
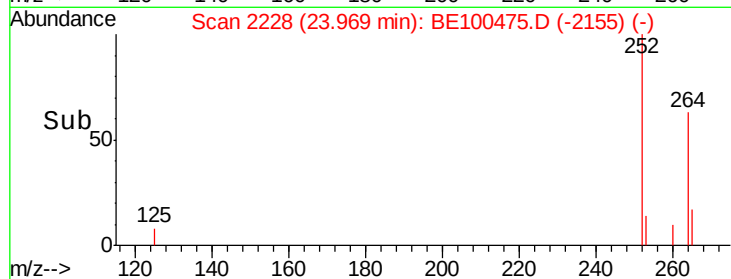
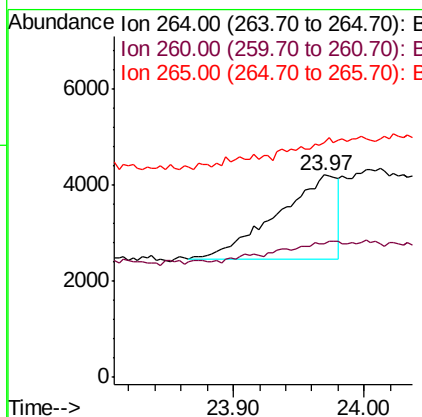
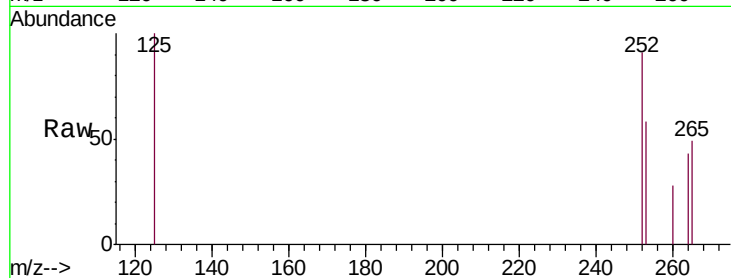




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2228
 Delta R.T. 0.11 min
 Lab File: BE100475.D
 Acq: 19 Jul 2019 18:28

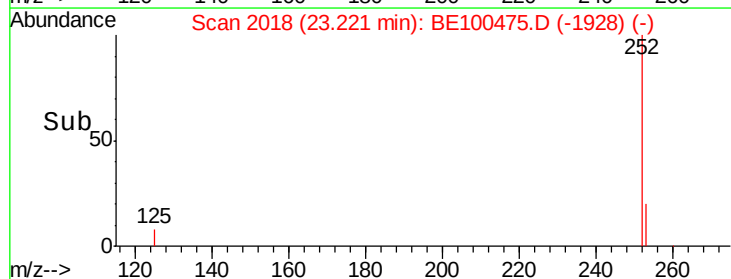
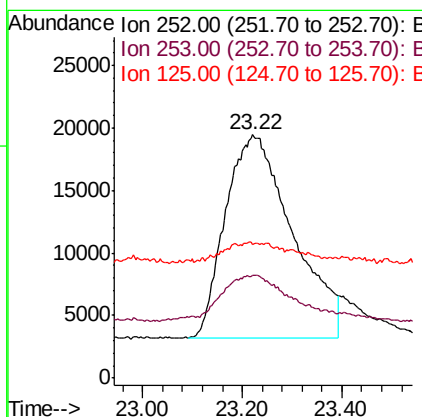
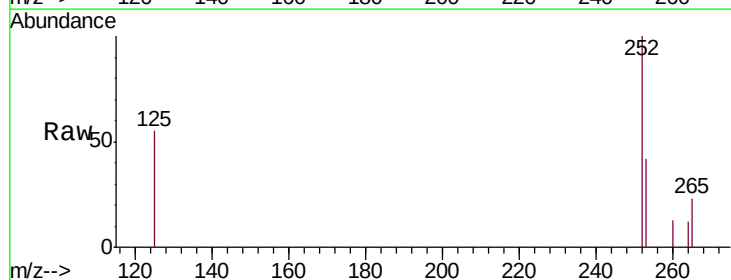
Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

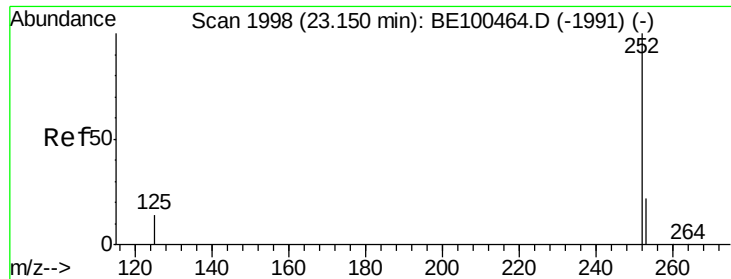
Tgt Ion: 264 Resp: 5581
 Ion Ratio Lower Upper
 264 100
 260 66.0 20.7 31.1#
 265 115.7 23.4 35.0#



#35
 Benzo(b)fluoranthene
 Concen: 9.815 ng
 RT: 23.22 min Scan# 2018
 Delta R.T. 0.12 min
 Lab File: BE100475.D
 Acq: 19 Jul 2019 18:28

Tgt Ion: 252 Resp: 151367
 Ion Ratio Lower Upper
 252 100
 253 42.2 18.5 27.7#
 125 55.0 9.0 13.4#





#36

Benzo(k)fluoranthene

Concen: 10.163 ng

RT: 23.22 min Scan# 2018

Delta R.T. 0.07 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1DL

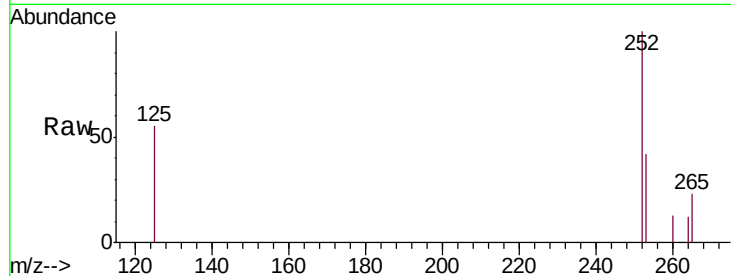
Tgt Ion:252 Resp: 166533

Ion Ratio Lower Upper

252 100

253 42.2 19.0 28.4#

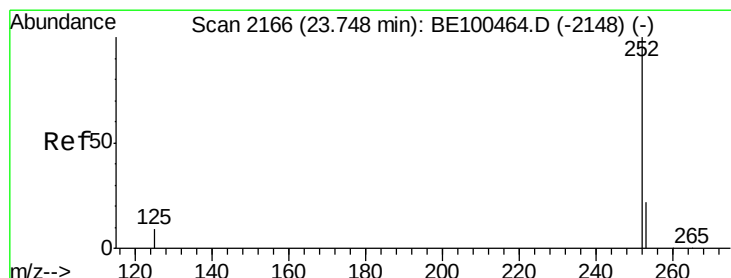
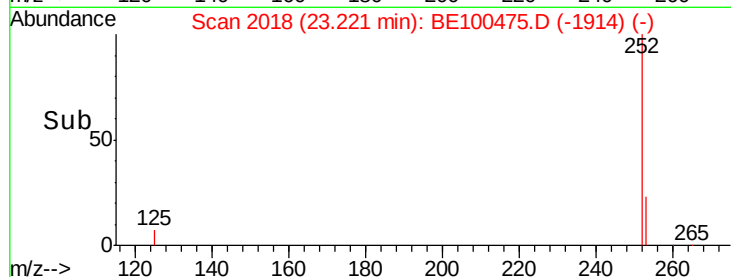
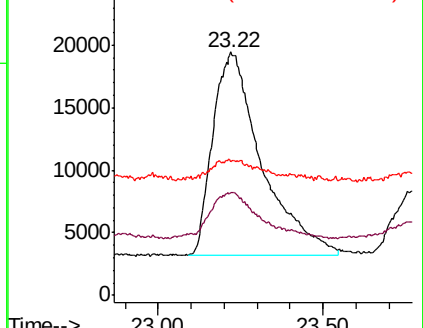
125 55.0 11.8 17.8#



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: 8.144 ng

RT: 23.86 min Scan# 2198

Delta R.T. 0.11 min

Lab File: BE100475.D

Acq: 19 Jul 2019 18:28

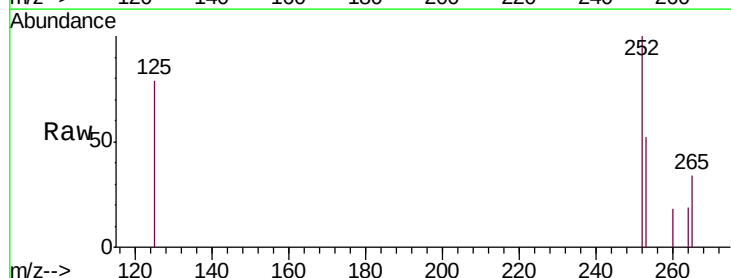
Tgt Ion:252 Resp: 121126

Ion Ratio Lower Upper

252 100

253 52.4 19.1 28.7#

125 79.1 10.0 15.0#



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

