

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099420.D
 Acq On : 30 Apr 2019 11:20
 Operator : JU/SJ
 Sample : PB119261BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119261BS

Quant Time: Apr 30 23:56:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2750	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8950	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5323	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	14338	0.40	ng	0.00
27) Chrysene-d12	21.37	240	17777	0.40	ng	0.00
34) Perylene-d12	23.87	264	21605	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2477	0.33	ng	0.00
5) Phenol-d6	6.98	99	3239	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	2643	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	7119	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	835	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7298	0.36	ng	-0.02
25) Fluoranthene-d10	19.22	212	54642	0.28	ng	0.00
29) Terphenyl-d14	19.81	244	12016	0.37	ng	0.00

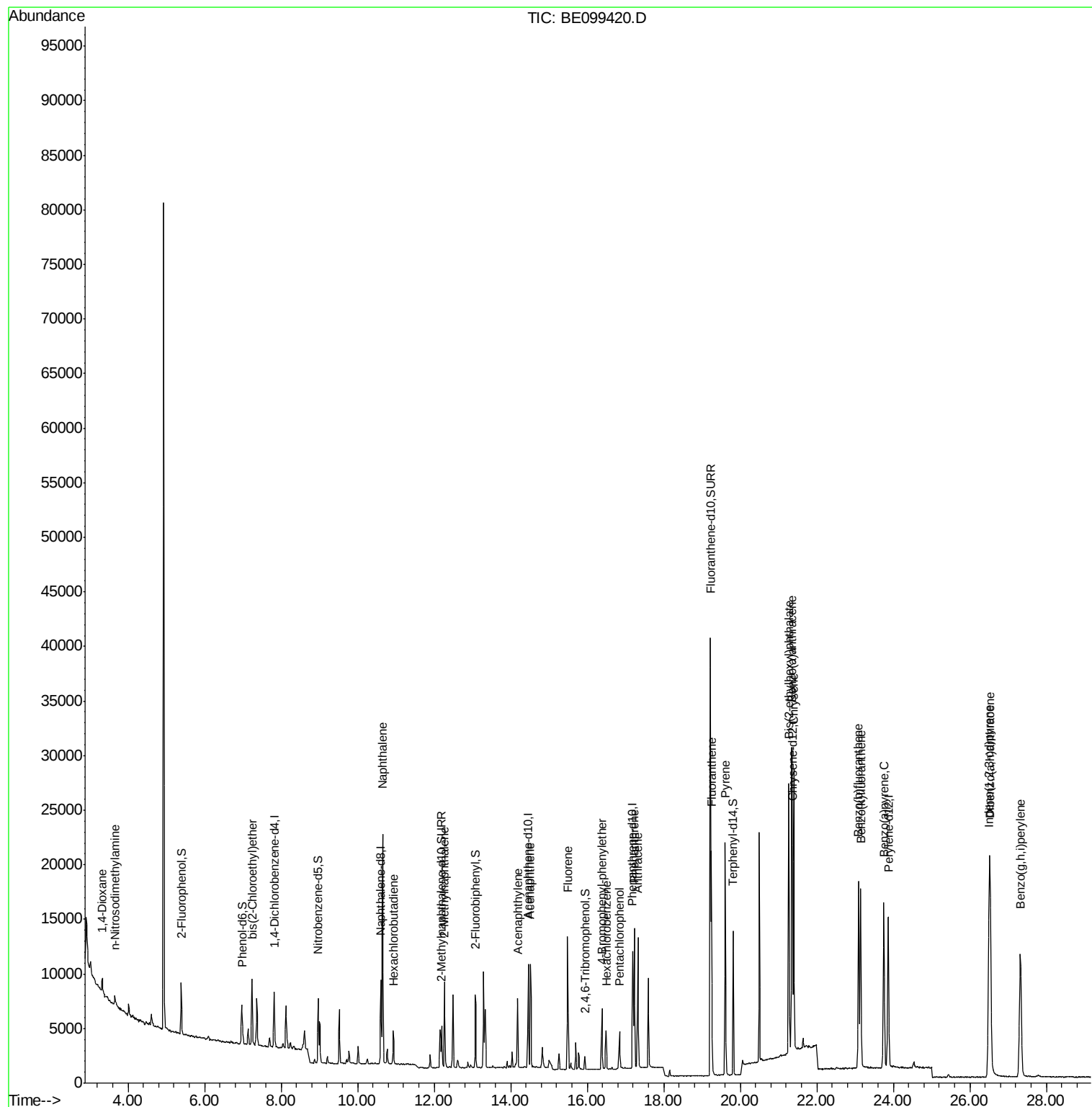
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	976	0.258	ng	# 49
3) n-Nitrosodimethylamine	3.65	42	636	0.279	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	2678	0.307	ng	99
9) Naphthalene	10.65	128	32948	0.338	ng	99
10) Hexachlorobutadiene	10.93	225	2196	0.324	ng	99
12) 2-Methylnaphthalene	12.27	142	5426	0.320	ng	97
16) Acenaphthylene	14.18	152	8587	0.330	ng	98
17) Acenaphthene	14.51	154	5032	0.338	ng	98
18) Fluorene	15.49	166	6914	0.315	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	2883	0.345	ng	# 94
21) Hexachlorobenzene	16.49	284	2848	0.358	ng	99
22) Pentachlorophenol	16.84	266	2025	0.639	ng	100
23) Phenanthrene	17.23	178	12901	0.349	ng	99
24) Anthracene	17.32	178	12272	0.348	ng	99
26) Fluoranthene	19.25	202	18650	0.337	ng	99
28) Pyrene	19.61	202	19431	0.419	ng	99
30) Benzo(a)anthracene	21.34	228	24710	0.436	ng	97
31) Chrysene	21.40	228	22761	0.411	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	31353	0.321	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	34450	0.526	ng	98
35) Benzo(b)fluoranthene	23.09	252	24330	0.391	ng	99
36) Benzo(k)fluoranthene	23.15	252	25072	0.417	ng	99
37) Benzo(a)pyrene	23.75	252	24401	0.414	ng	98
38) Dibenzo(a,h)anthracene	26.53	278	29396	0.488	ng	99
39) Benzo(g,h,i)perylene	27.32	276	29513	0.489	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

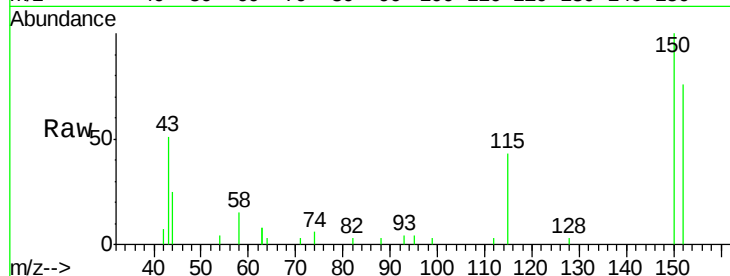
Tot Ion:152 Resp: 2750

Ion Ratio Lower Upper

152 100

150 131.3 104.8 157.2

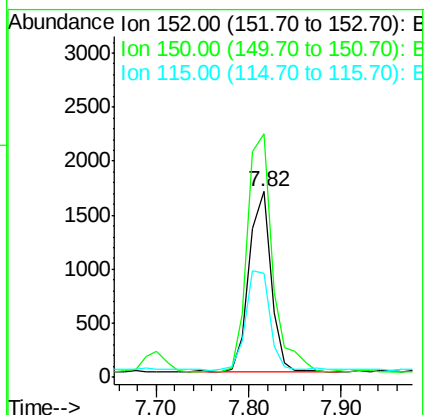
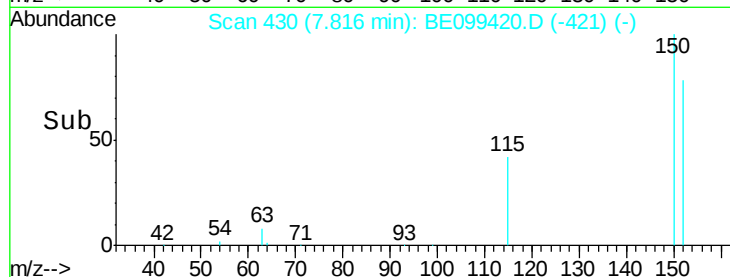
115 56.2 46.6 69.8



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: 0.258 ng

RT: 3.32 min Scan# 40

Delta R.T. 0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

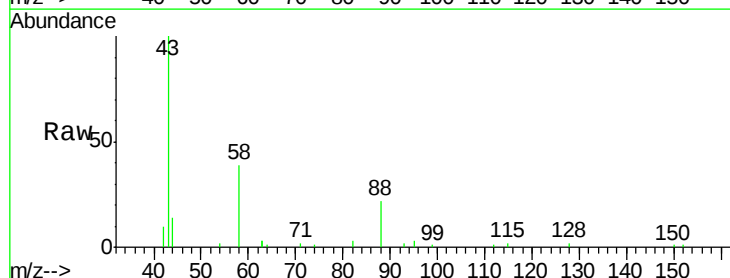
Tgt Ion: 88 Resp: 976

Ion Ratio Lower Upper

88 100

58 88.5 51.0 76.6#

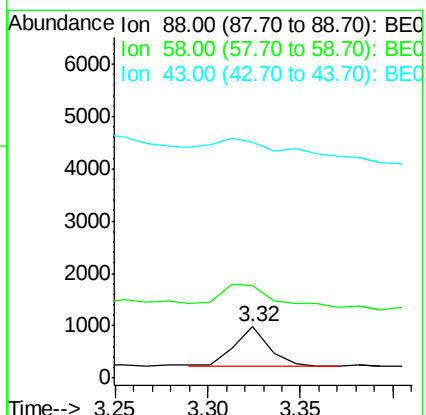
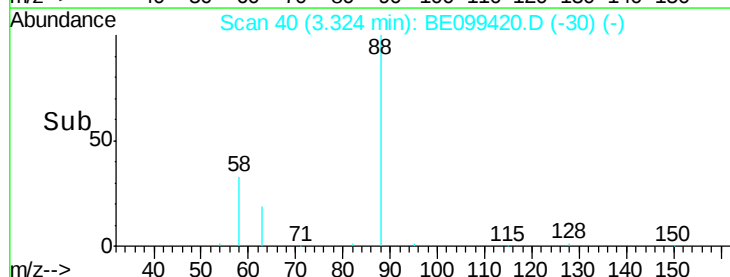
43 76.1 20.6 30.8#

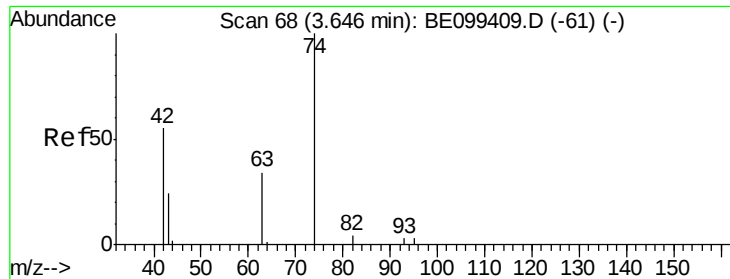


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.279 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

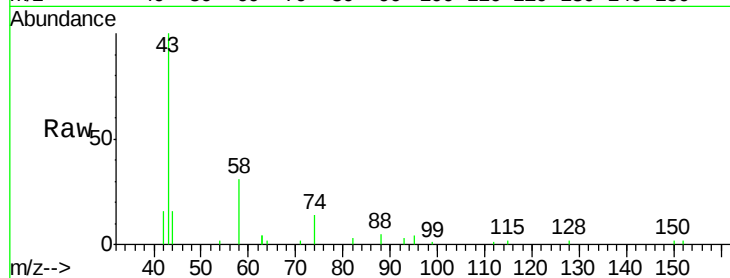
Tot Ion: 42 Resp: 636

Ion Ratio Lower Upper

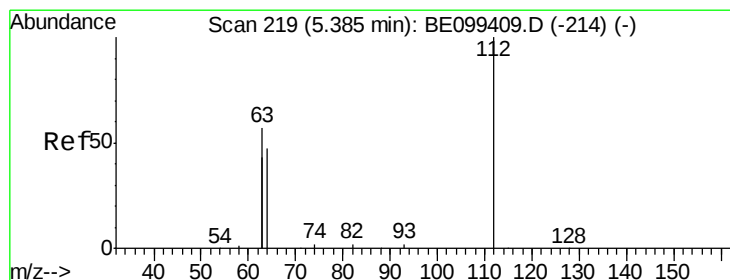
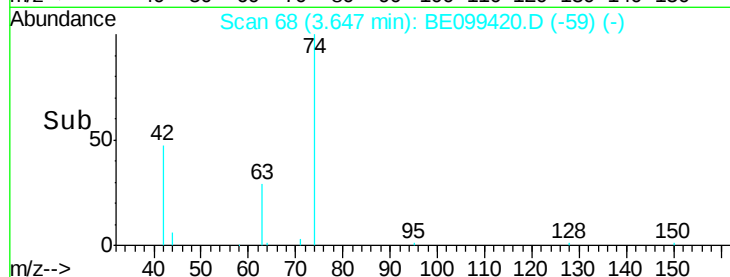
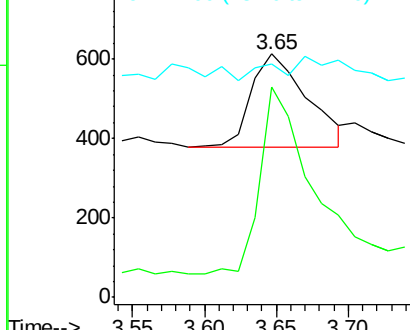
42 100

74 182.4 141.6 212.4

44 9.6 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.326 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

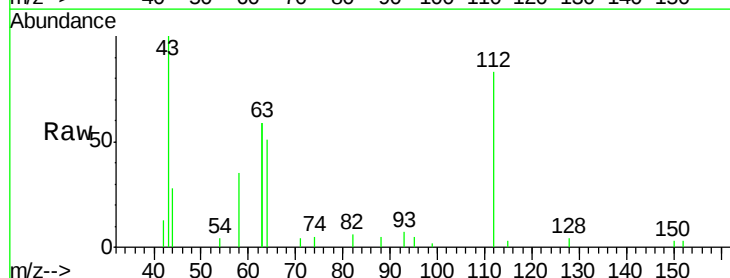
Tgt Ion: 112 Resp: 2477

Ion Ratio Lower Upper

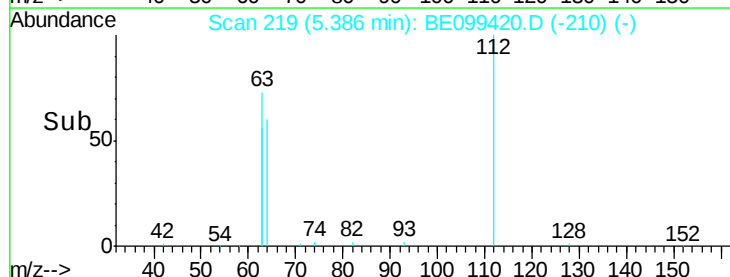
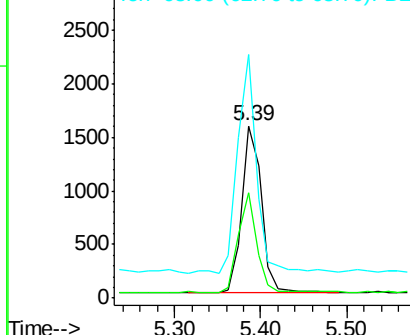
112 100

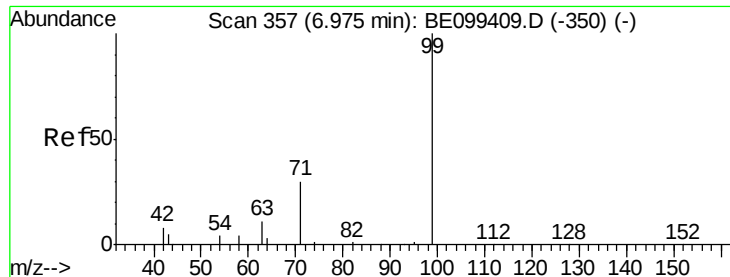
64 55.3 47.4 71.0

63 126.2 104.3 156.5



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





#5

Phenol-d6

Concen: 0.320 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

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PB119261BS

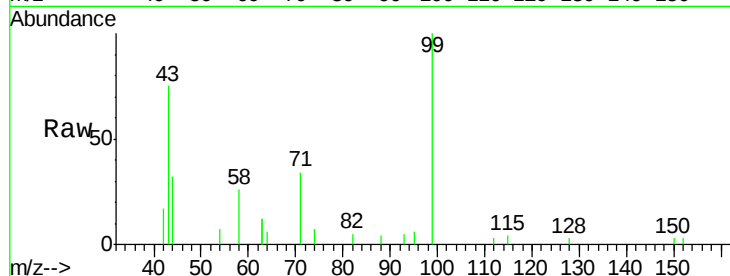
Tot Ion: 99 Resp: 3239

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

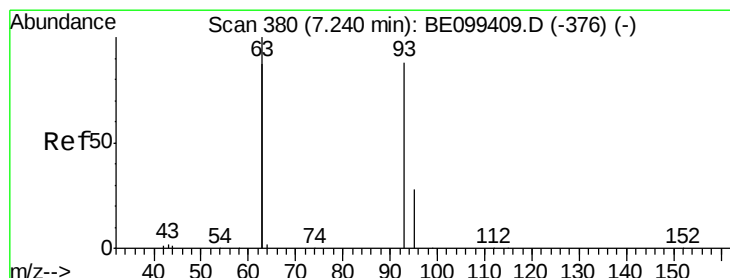
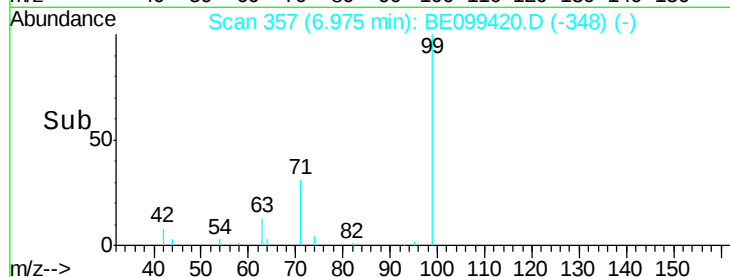
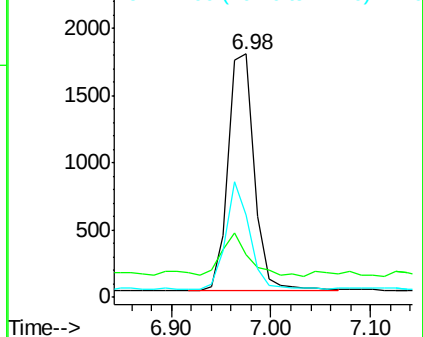
71 40.4 33.0 49.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.307 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

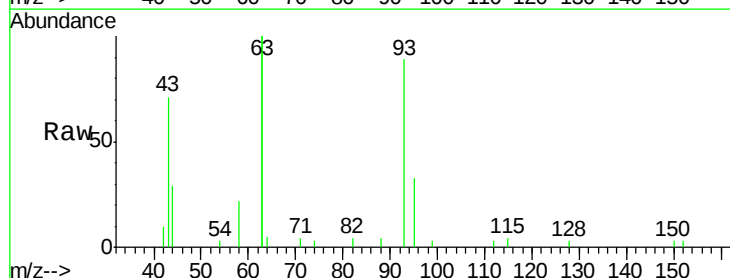
Tgt Ion: 93 Resp: 2678

Ion Ratio Lower Upper

93 100

63 267.4 215.6 323.4

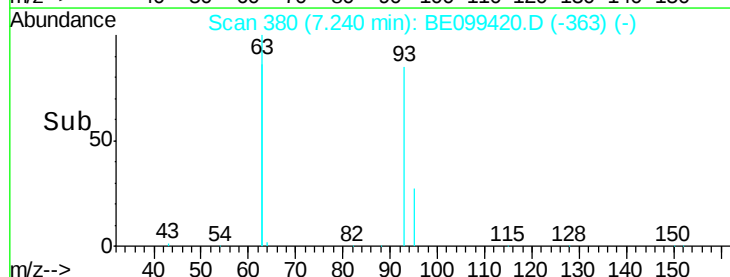
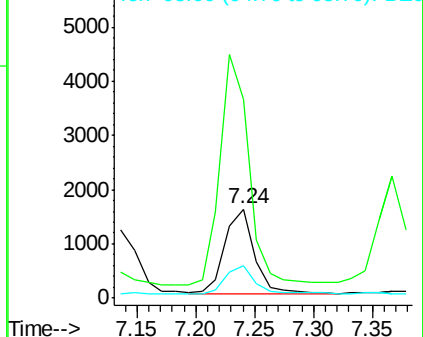
95 34.0 26.2 39.2

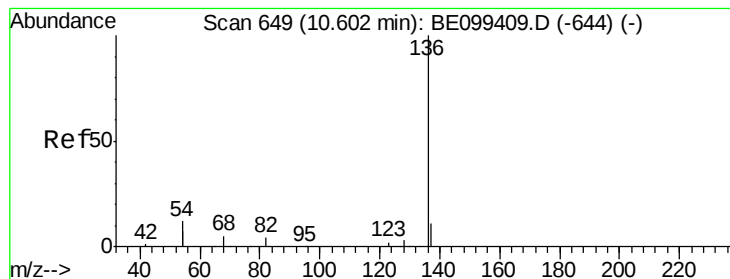


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

Tot Ion:136 Resp: 8950

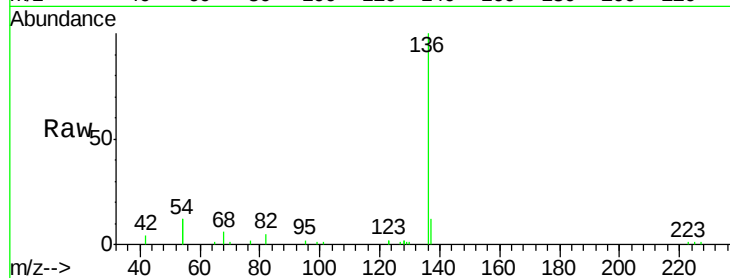
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 24.7 18.5 27.7

68 6.1 4.7 7.1

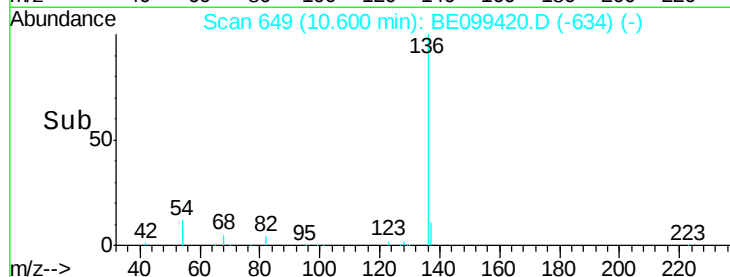


Abundance Ion 136.00 (135.70 to 136.70): E

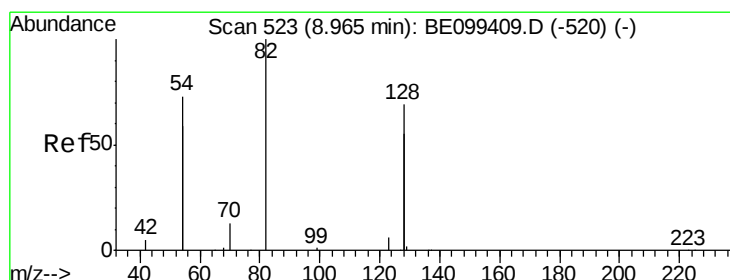
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

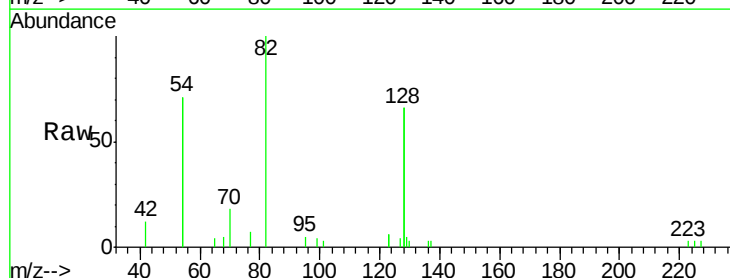
Tgt Ion: 82 Resp: 2643

Ion Ratio Lower Upper

82 100

128 132.3 107.0 160.4

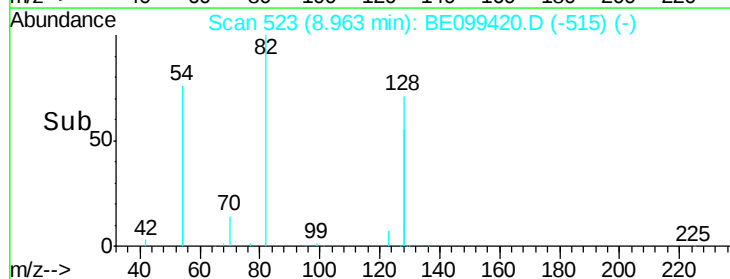
54 141.5 113.1 169.7



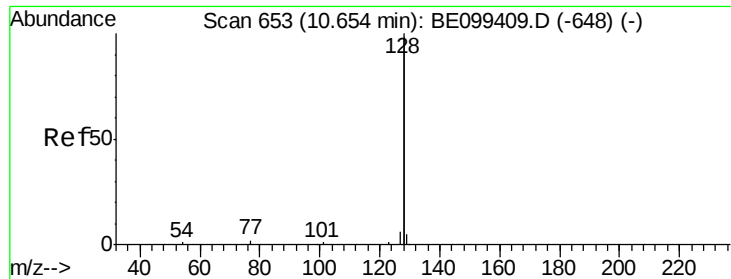
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.338 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

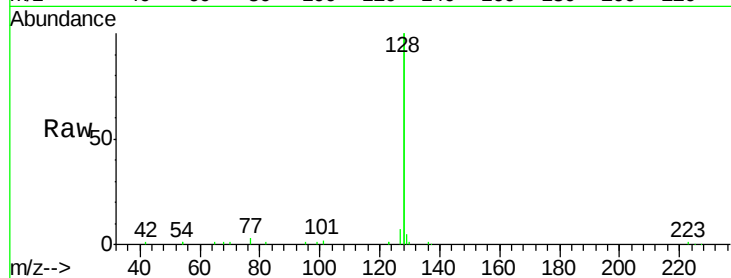
Tot Ion:128 Resp: 32948

Ion Ratio Lower Upper

128 100

129 2.7 2.4 3.6

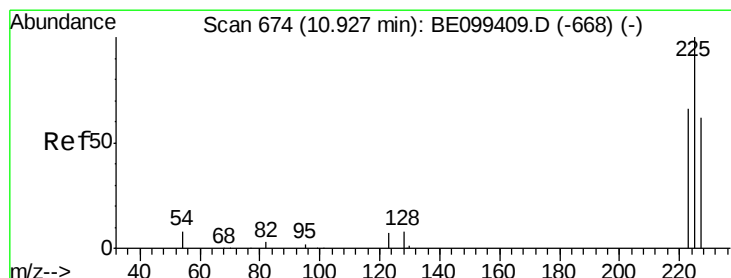
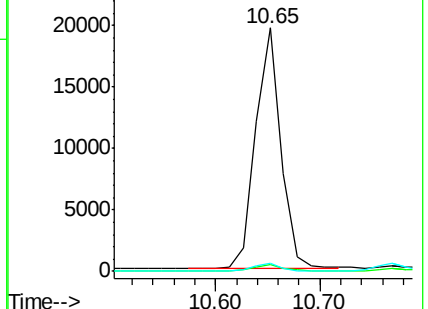
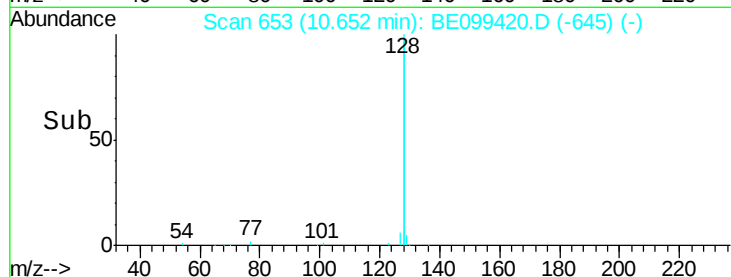
127 3.3 2.8 4.2



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: 0.324 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

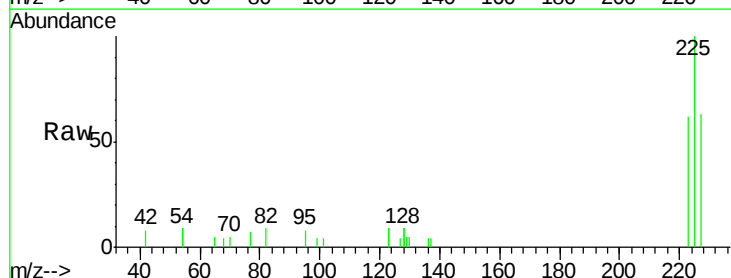
Tgt Ion:225 Resp: 2196

Ion Ratio Lower Upper

225 100

223 61.9 51.0 76.6

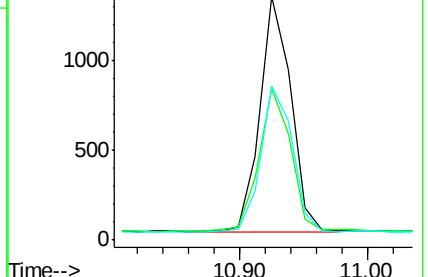
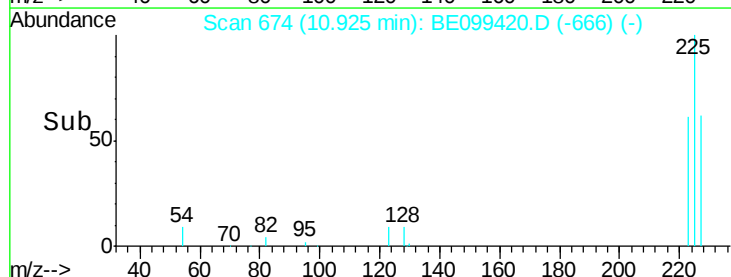
227 63.4 50.9 76.3

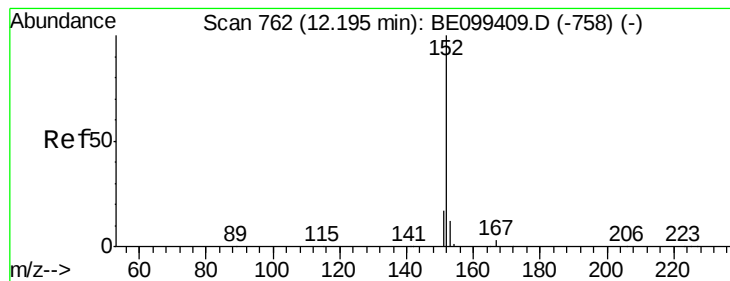


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

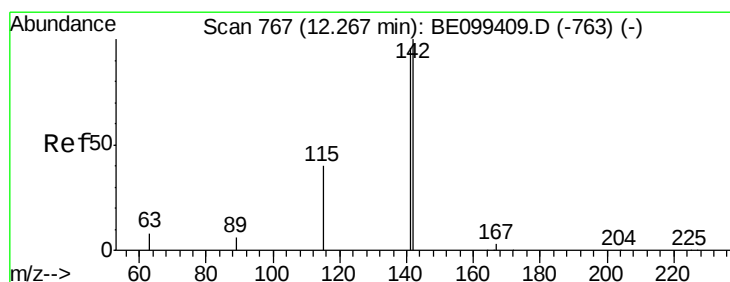
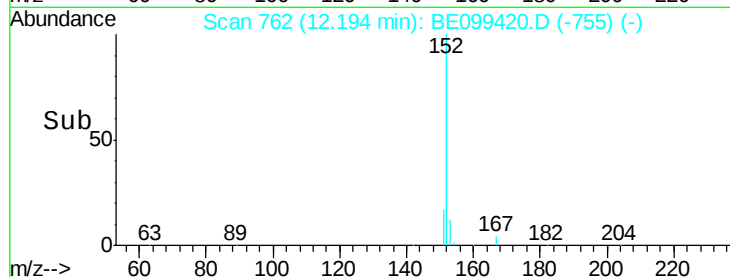
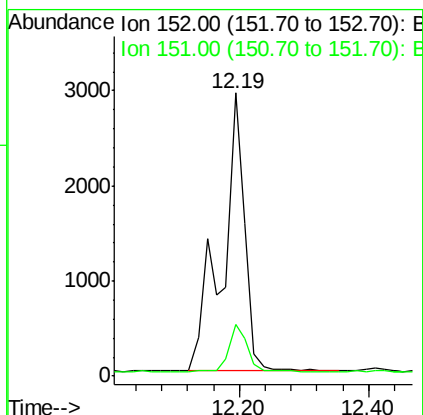
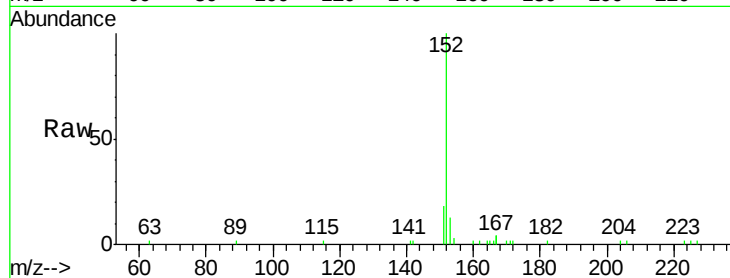




#11
 2-Methylnaphthalene-d10
 Concen: 0.441 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099420.D
 Acq: 30 Apr 2019 11:20

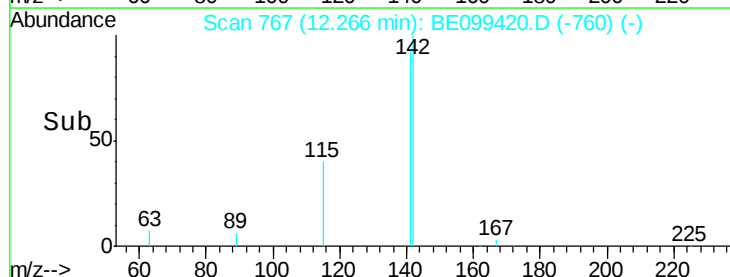
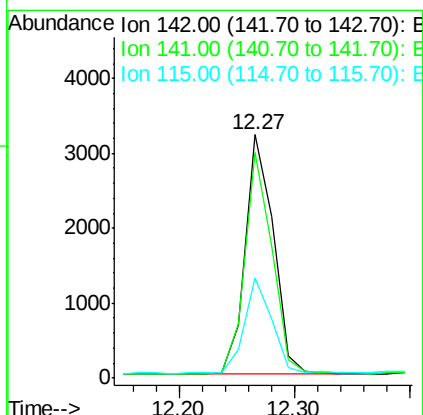
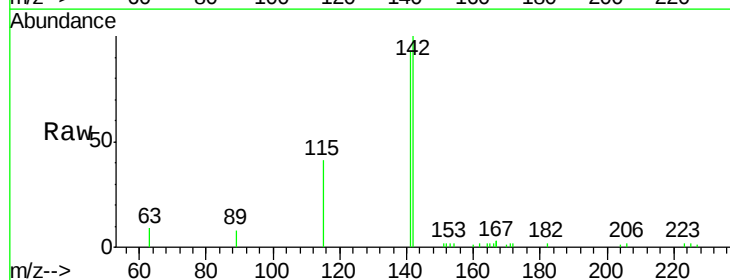
Instrument :
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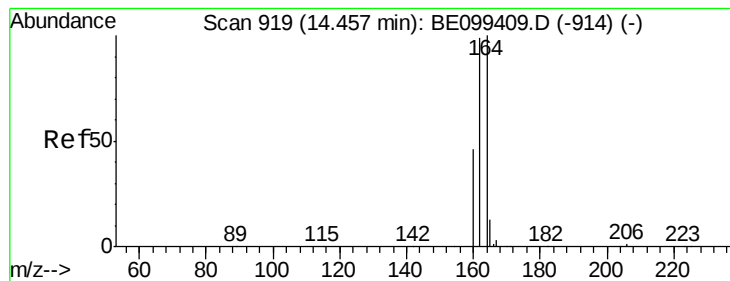
Tot Ion:152 Resp: 7119
 Ion Ratio Lower Upper
 152 100
 151 13.3 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.320 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099420.D
 Acq: 30 Apr 2019 11:20

Tgt Ion:142 Resp: 5426
 Ion Ratio Lower Upper
 142 100
 141 92.6 77.0 115.4
 115 41.0 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

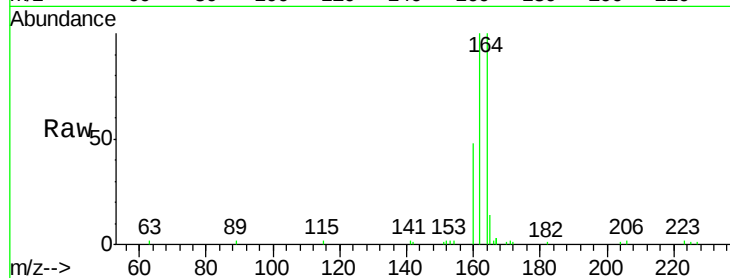
Tot Ion:164 Resp: 5323

Ion Ratio Lower Upper

164 100

162 100.2 79.0 118.4

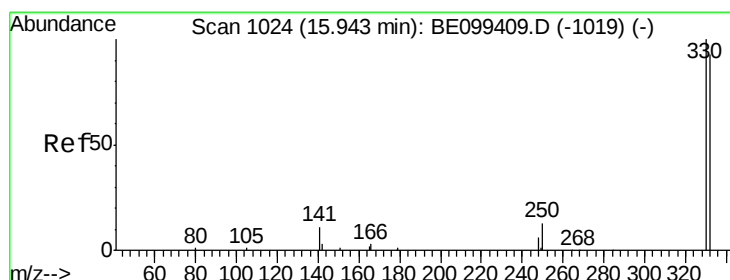
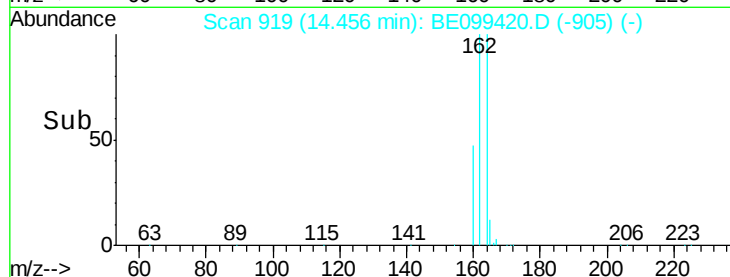
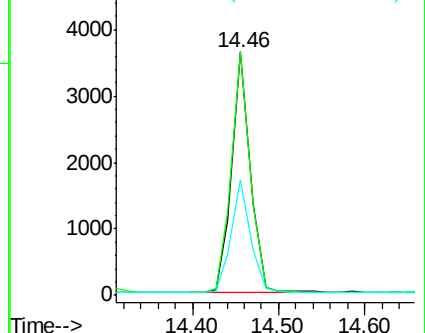
160 47.8 37.0 55.4



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: 0.249 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

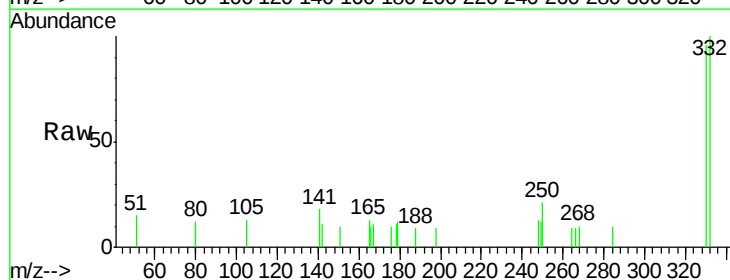
Tgt Ion:330 Resp: 835

Ion Ratio Lower Upper

330 100

332 97.4 71.5 107.3

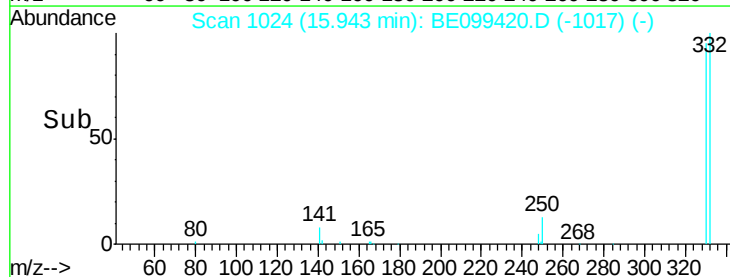
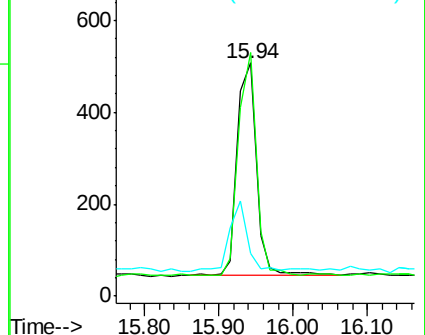
141 32.6 24.0 36.0

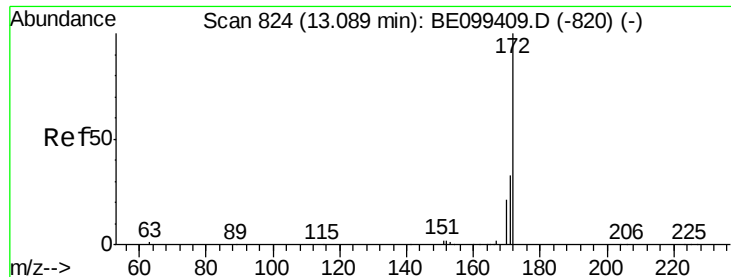


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

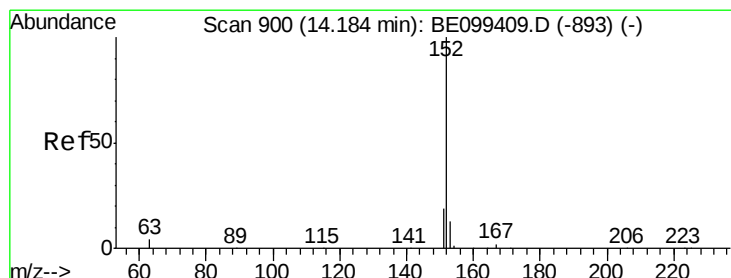
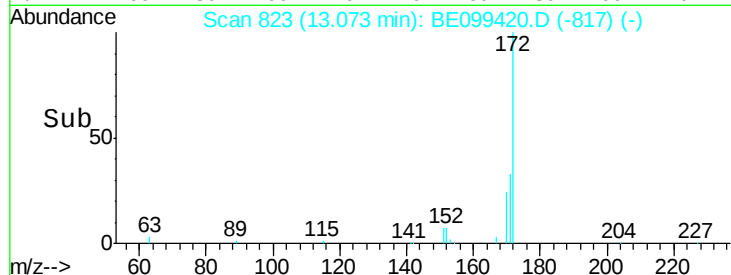
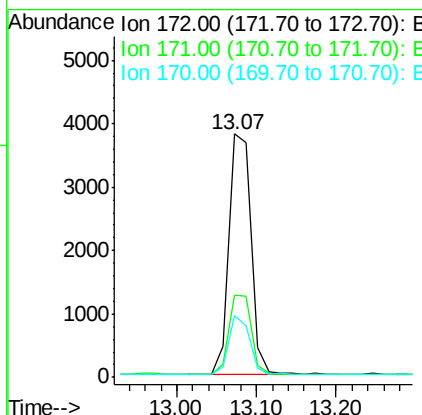
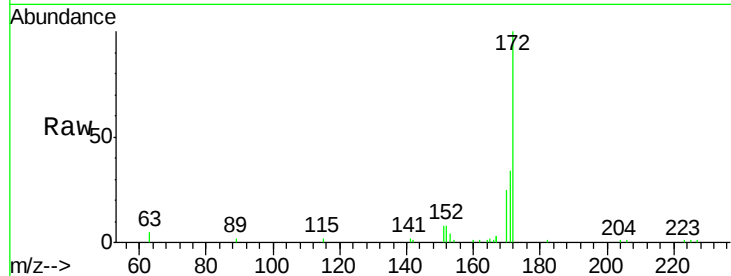




#15
 2-Fluorobiphenyl
 Concen: 0.359 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099420.D
 Acq: 30 Apr 2019 11:20

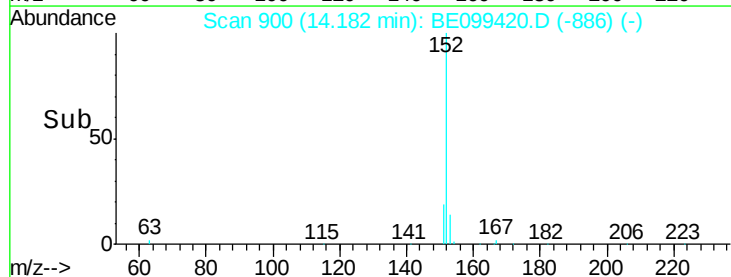
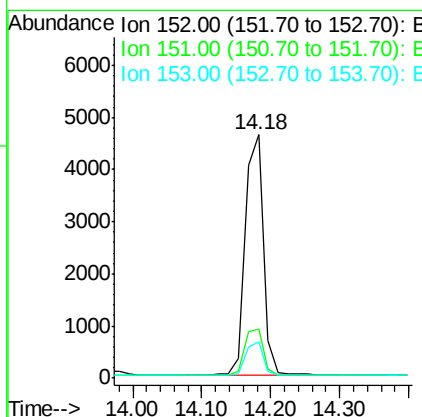
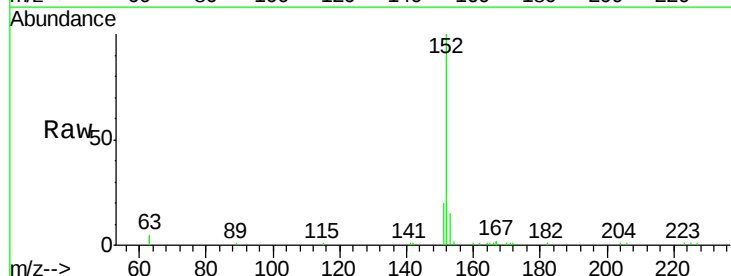
Instrument :
 BNA_E
 ClientSampleId :
 PB119261BS

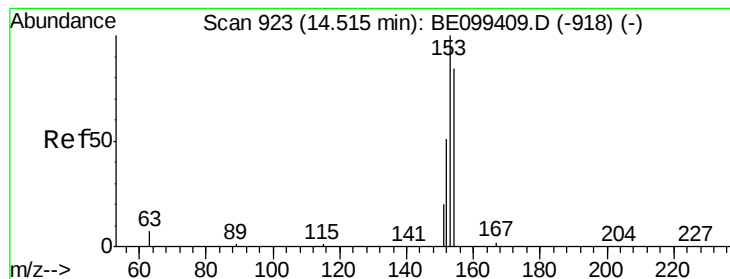
Tot Ion:172 Resp: 7298
 Ion Ratio Lower Upper
 172 100
 171 33.9 26.6 39.8
 170 25.4 17.0 25.6



#16
 Acenaphthylene
 Concen: 0.330 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099420.D
 Acq: 30 Apr 2019 11:20

Tgt Ion:152 Resp: 8587
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.4 23.2
 153 13.3 9.8 14.6





#17

Acenaphthene

Concen: 0.338 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

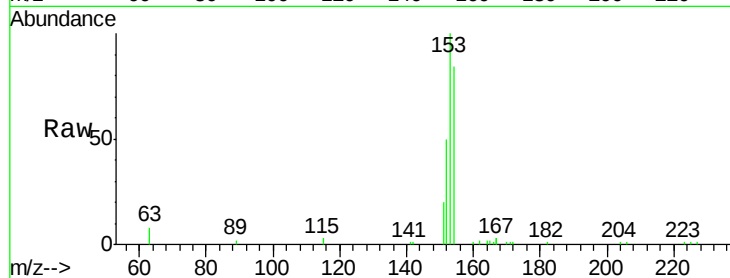
Tot Ion:154 Resp: 5032

Ion Ratio Lower Upper

154 100

153 118.5 92.6 138.8

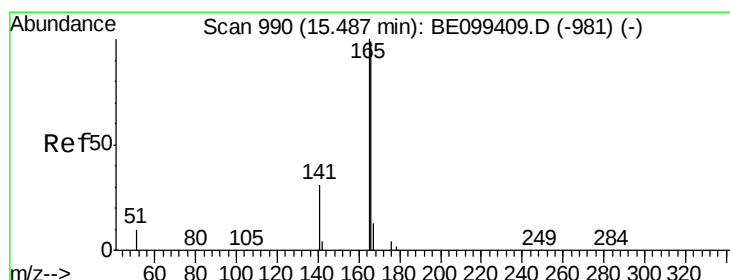
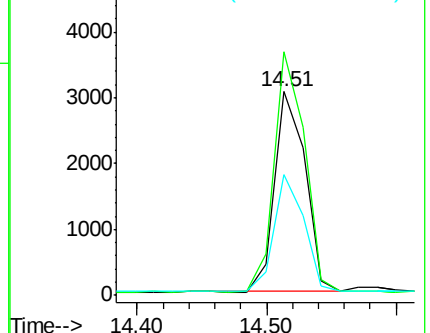
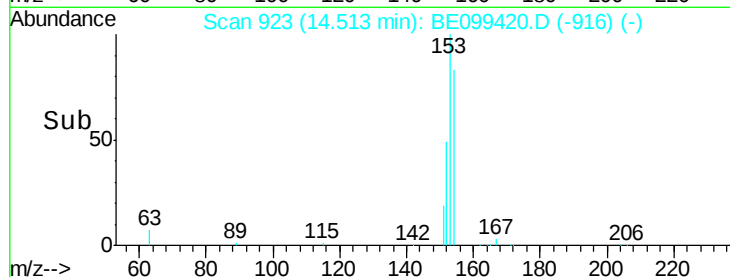
152 57.7 45.8 68.8



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: 0.315 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

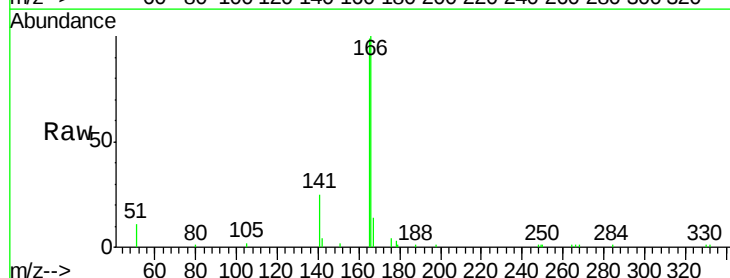
Tgt Ion:166 Resp: 6914

Ion Ratio Lower Upper

166 100

165 100.2 80.3 120.5

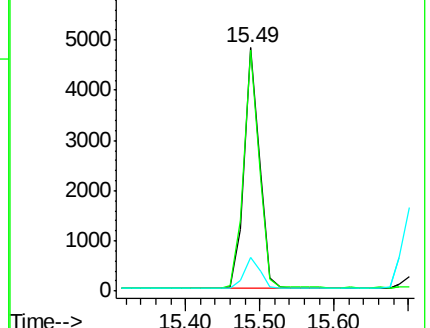
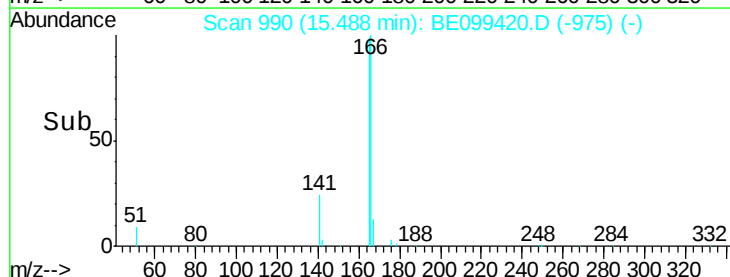
167 13.8 10.7 16.1

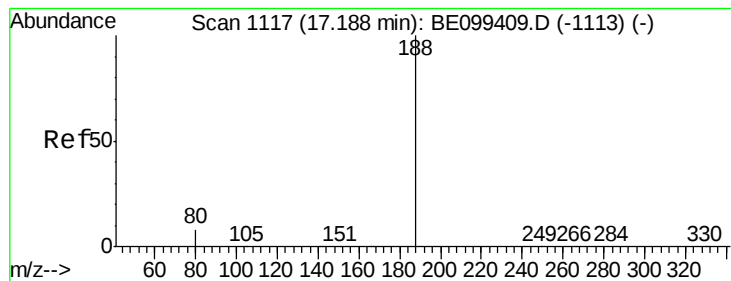


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

Tot Ion:188 Resp: 14338

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

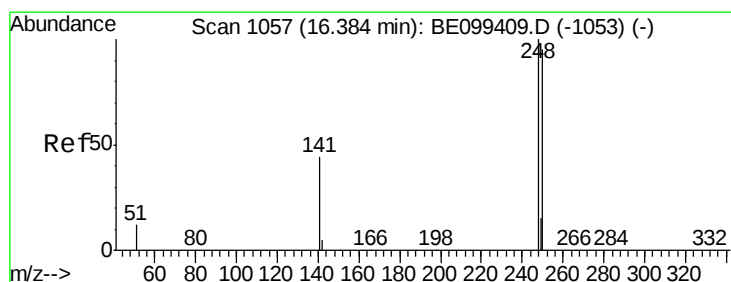
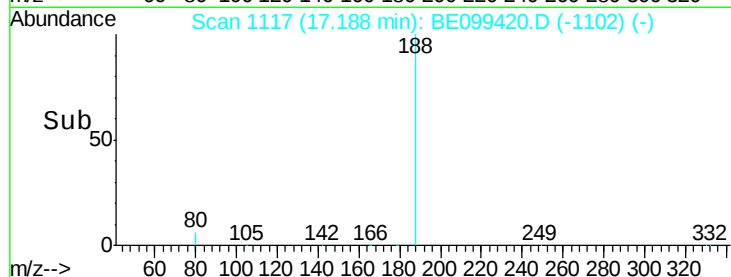
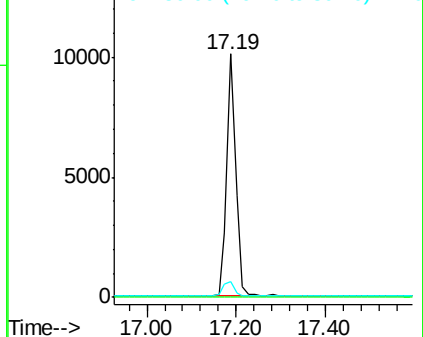
80 6.6 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.345 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

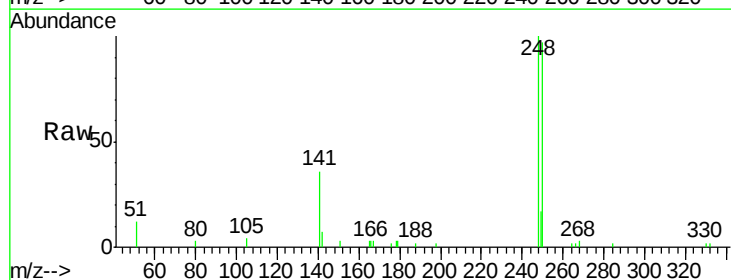
Tgt Ion:248 Resp: 2883

Ion Ratio Lower Upper

248 100

250 97.2 75.8 113.8

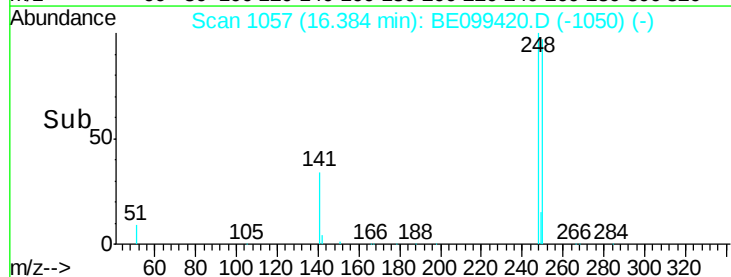
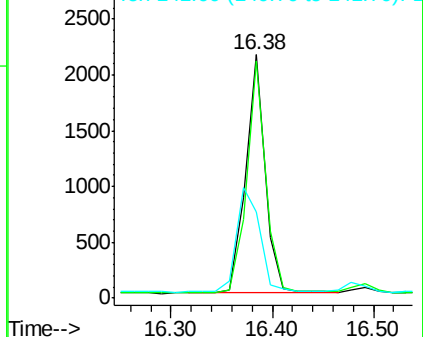
141 35.6 35.7 53.5#

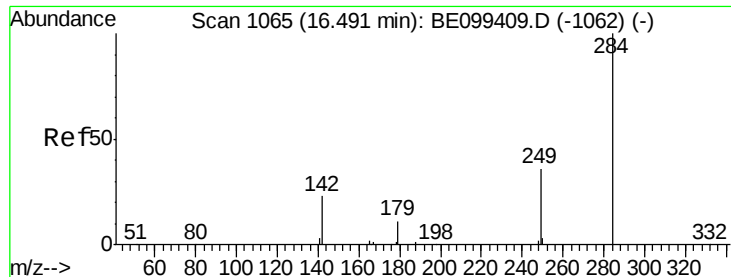


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

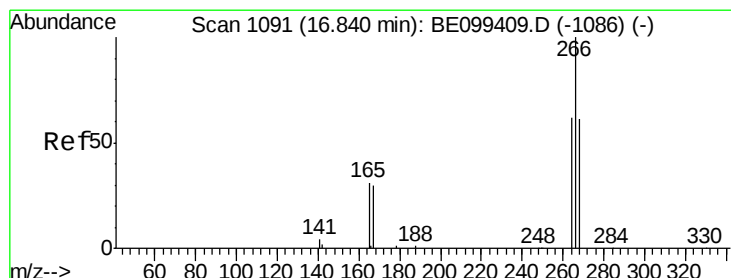
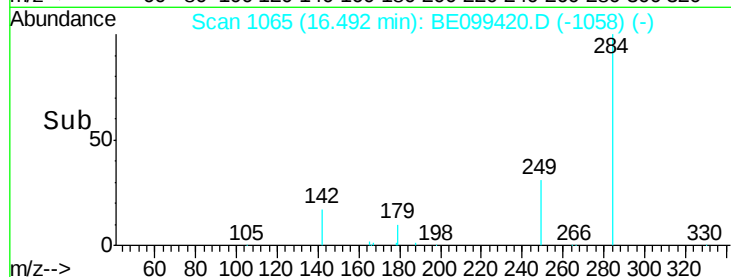
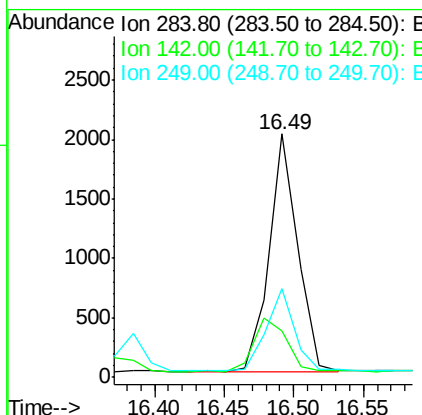
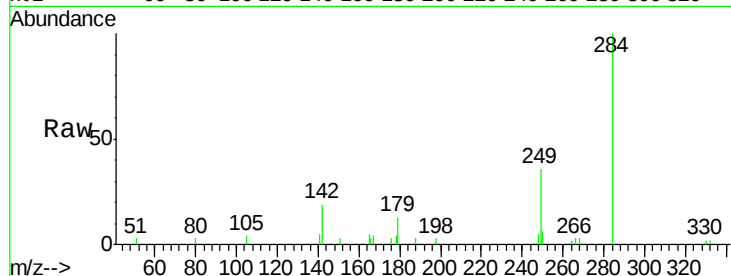




#21
Hexachlorobenzene
Concen: 0.358 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

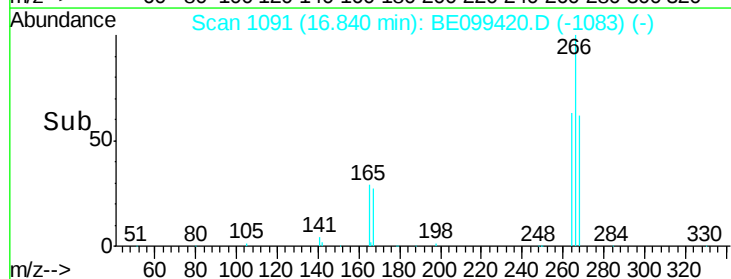
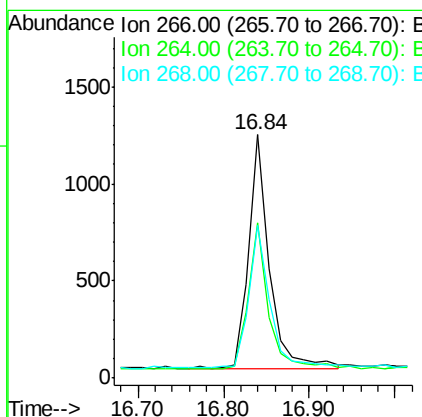
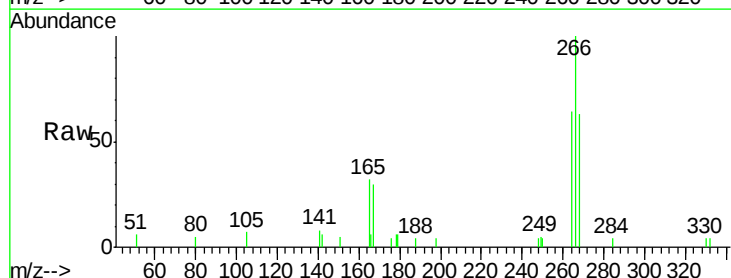
Instrument :
BNA_E
ClientSampleId :
PB119261BS

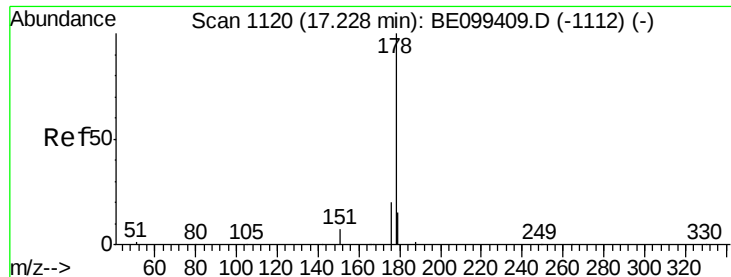
Tot Ion:284 Resp: 2848
Ion Ratio Lower Upper
284 100
142 25.9 21.0 31.6
249 34.0 26.7 40.1



#22
Pentachlorophenol
Concen: 0.639 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

Tgt Ion:266 Resp: 2025
Ion Ratio Lower Upper
266 100
264 63.7 50.8 76.2
268 62.9 50.5 75.7





#23

Phenanthrene

Concen: 0.349 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

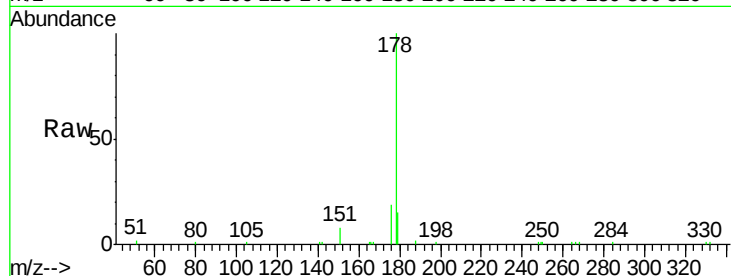
Tot Ion:178 Resp: 12901

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

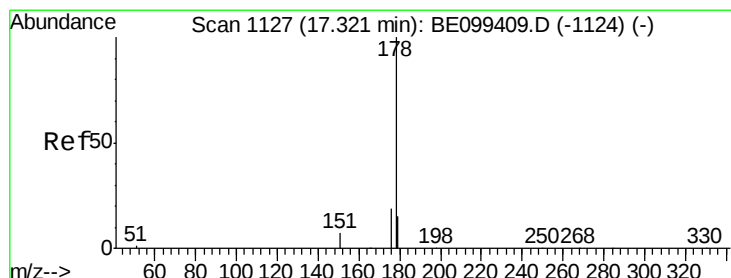
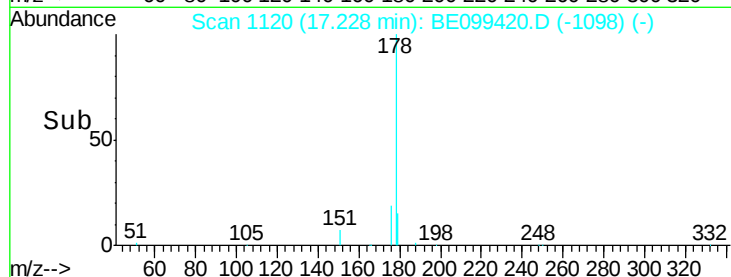
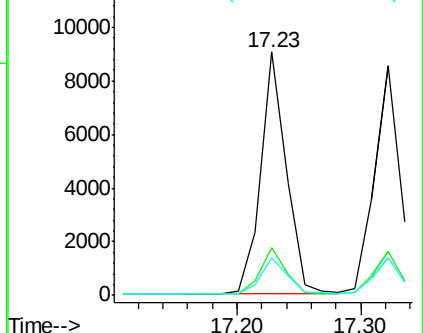
179 15.3 12.0 18.0



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: 0.348 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

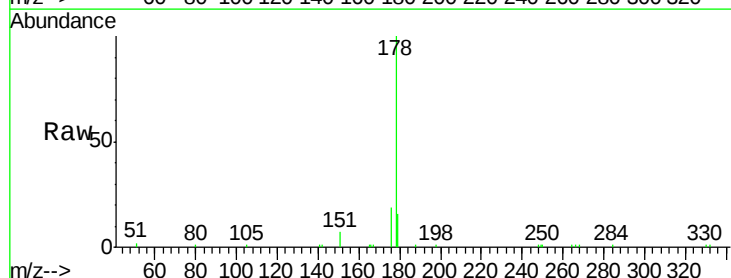
Tgt Ion:178 Resp: 12272

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

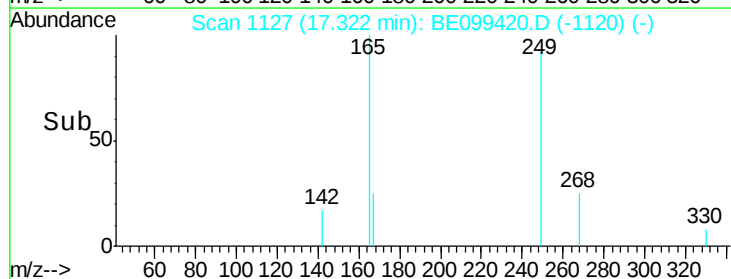
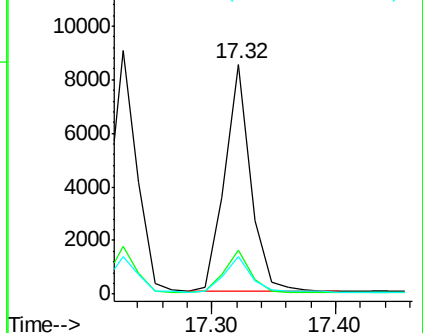
179 15.9 11.9 17.9

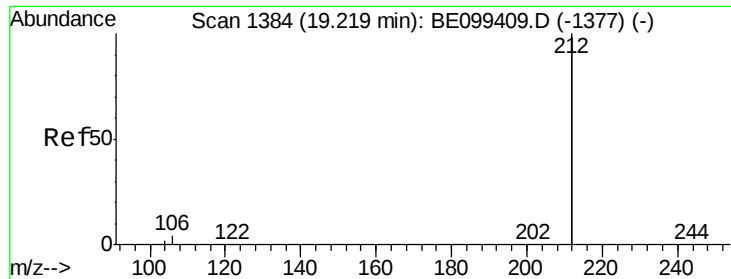


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.283 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

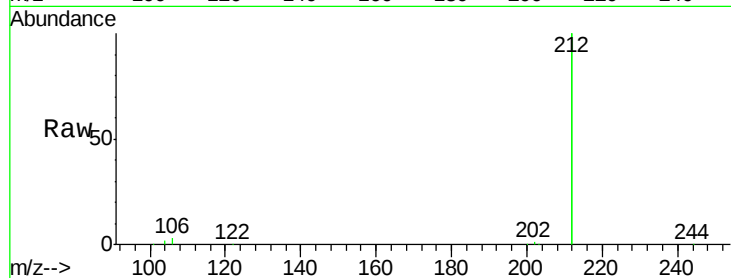
Tot Ion:212 Resp: 54642

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

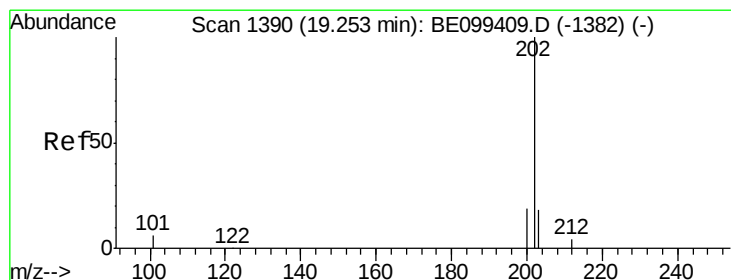
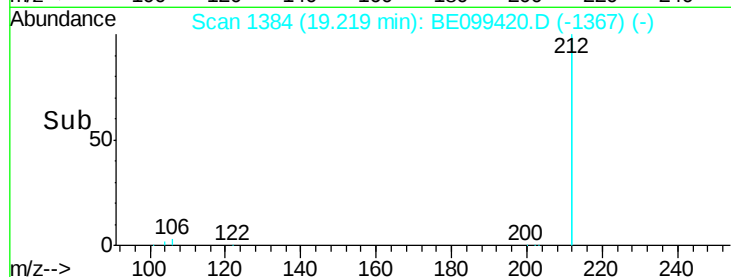
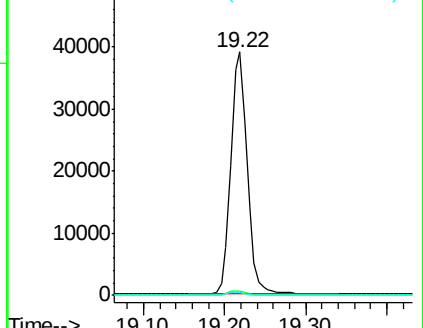
104 1.1 0.9 1.3



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: 0.337 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

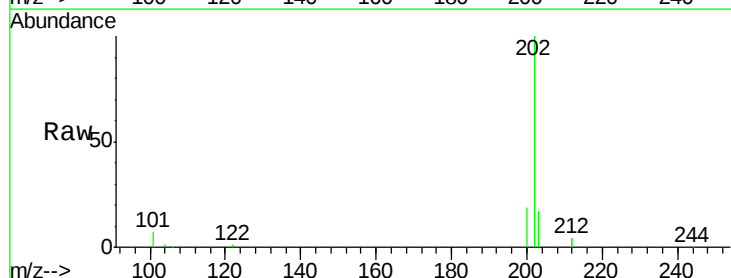
Tgt Ion:202 Resp: 18650

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.0

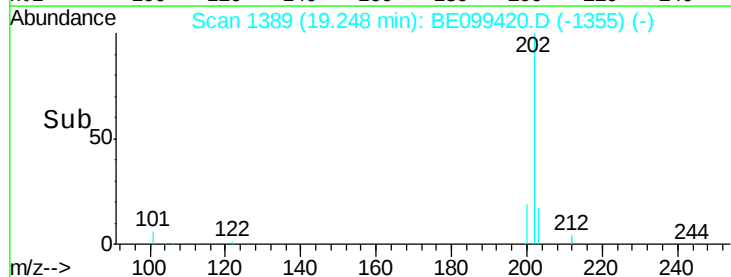
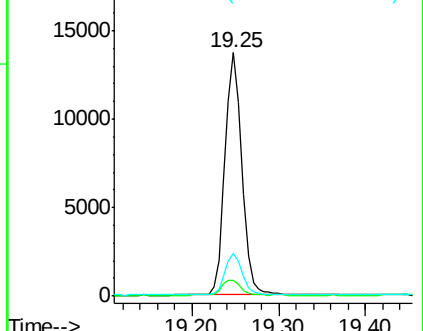
203 17.1 13.9 20.9



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

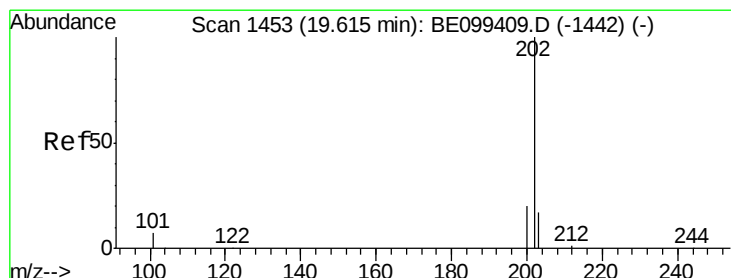
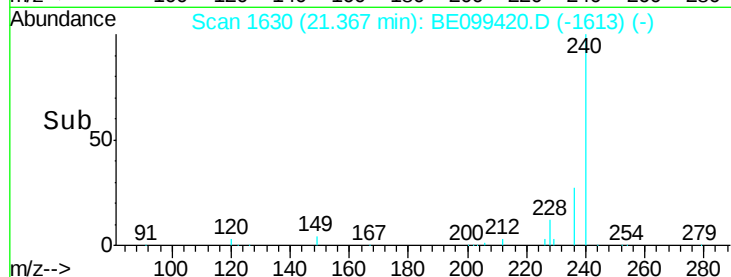
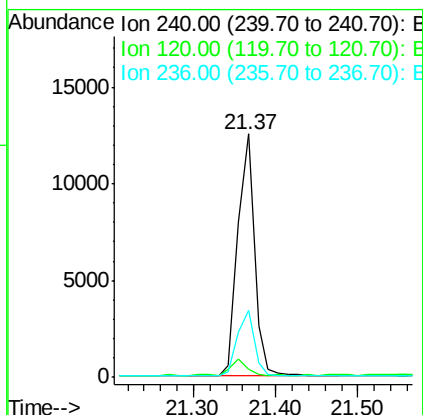
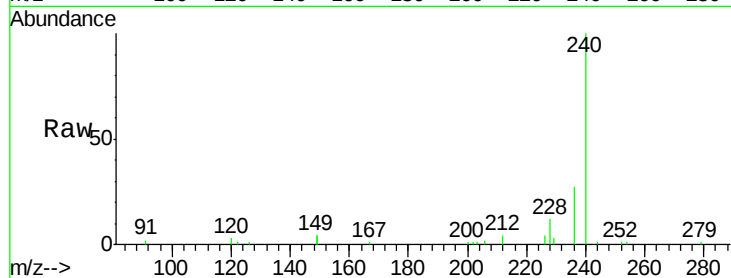




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

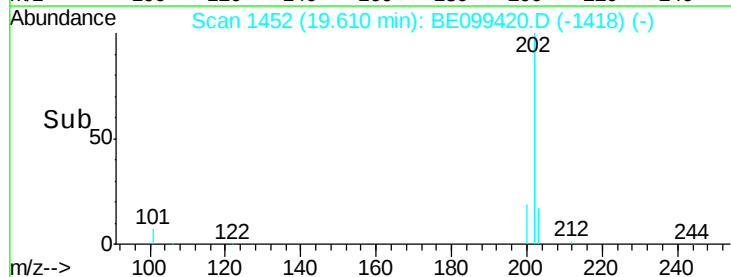
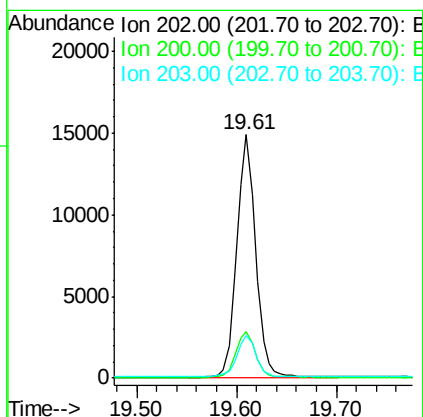
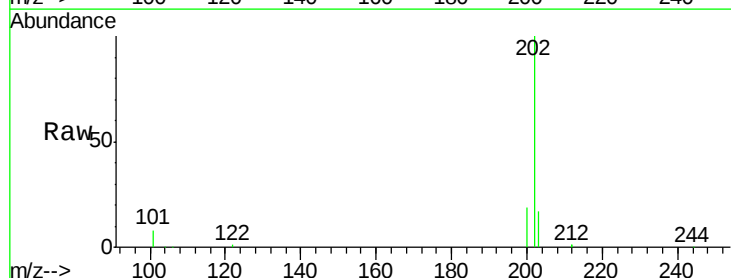
Instrument :
BNA_E
ClientSampleId :
PB119261BS

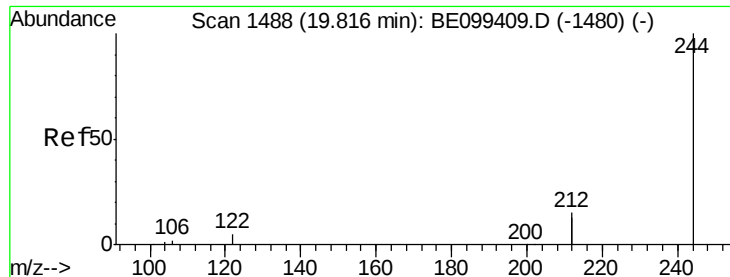
Tot Ion:240 Resp: 17777
Ion Ratio Lower Upper
240 100
120 3.5 4.0 6.0#
236 27.4 22.0 33.0



#28
Pyrene
Concen: 0.419 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

Tgt Ion:202 Resp: 19431
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 18.0 13.9 20.9





#29

Terphenyl-d14

Concen: 0.369 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

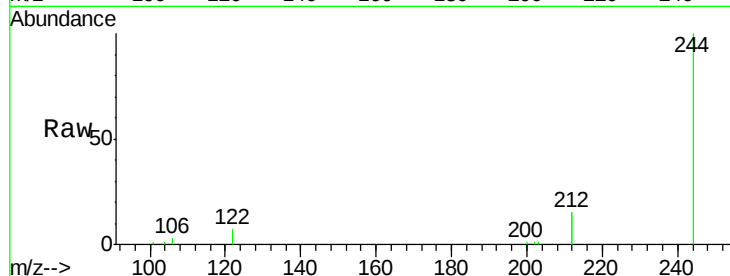
Tot Ion:244 Resp: 12016

Ion Ratio Lower Upper

244 100

212 30.5 23.2 34.8

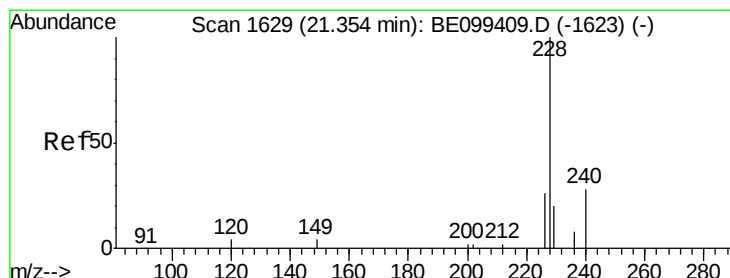
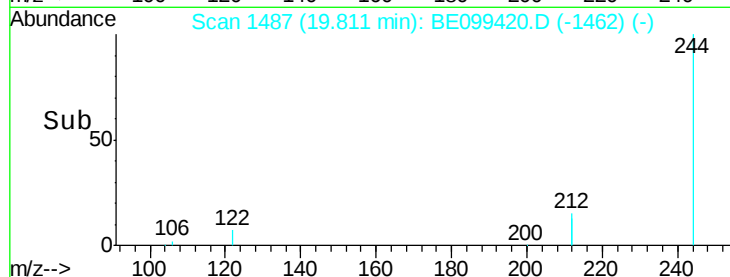
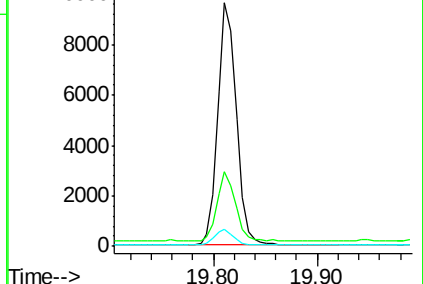
122 7.0 4.2 6.4#



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: 0.436 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

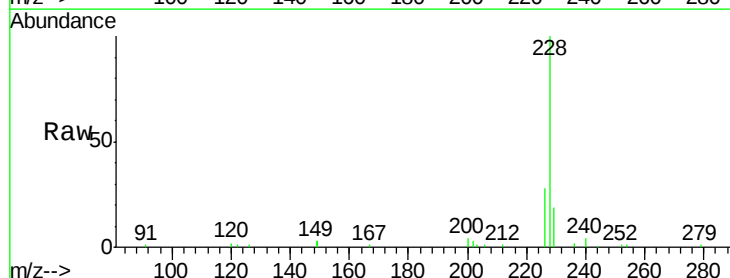
Tgt Ion:228 Resp: 24710

Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.6

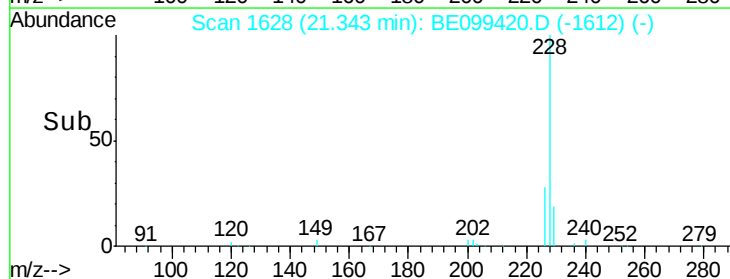
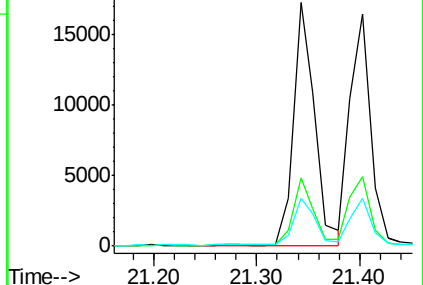
229 19.5 16.6 25.0

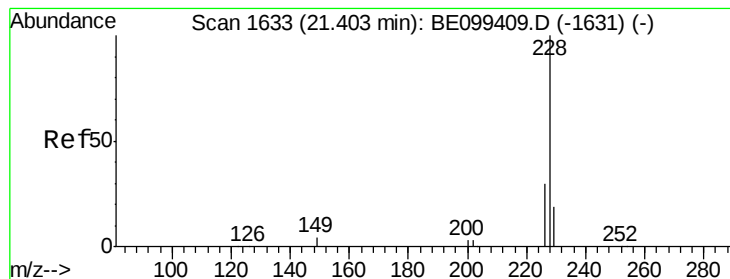


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

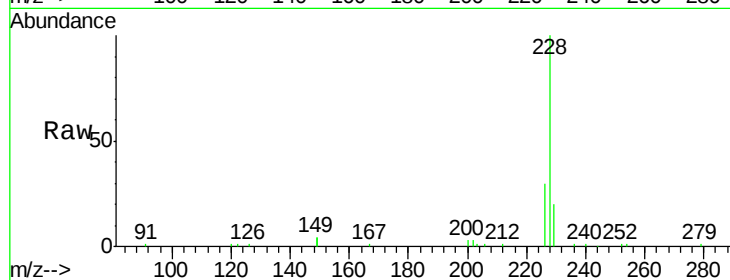
Tot Ion:228 Resp: 22761

Ion Ratio Lower Upper

228 100

226 29.7 24.0 36.0

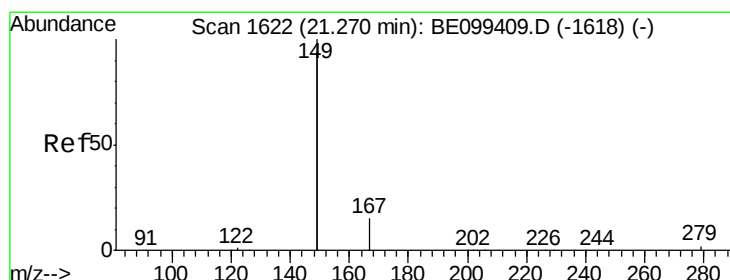
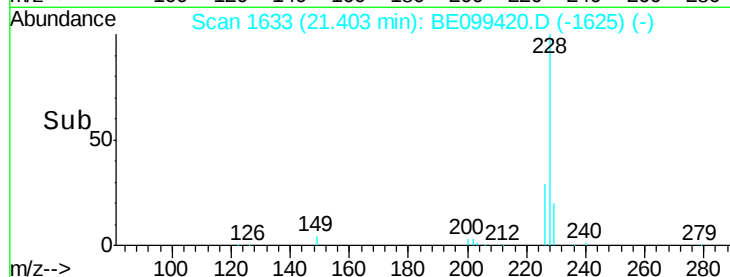
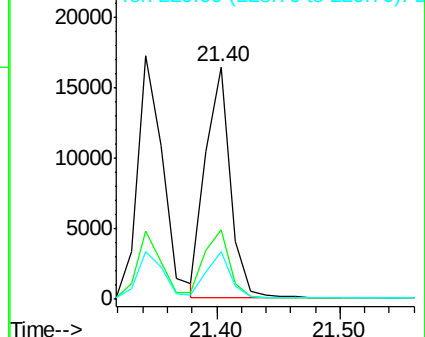
229 20.3 15.8 23.8



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: 0.321 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

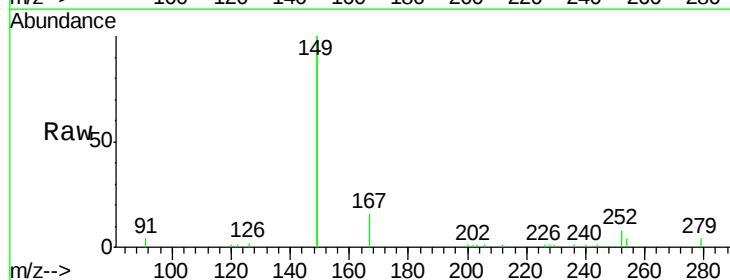
Tgt Ion:149 Resp: 31353

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.6

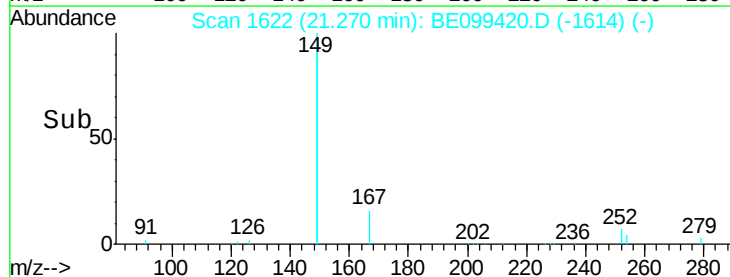
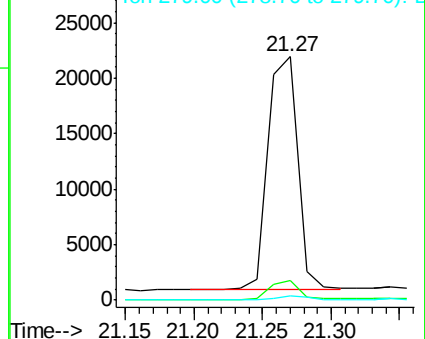
279 1.5 1.0 1.6

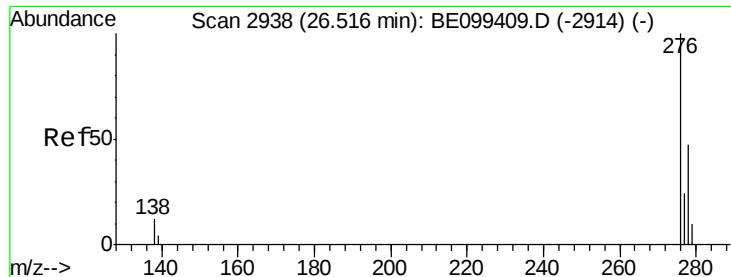


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.526 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

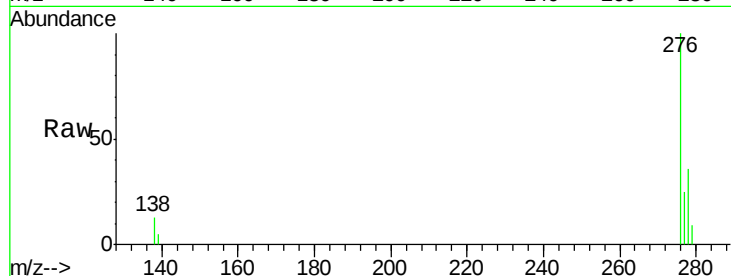
Tot Ion:276 Resp: 34450

Ion Ratio Lower Upper

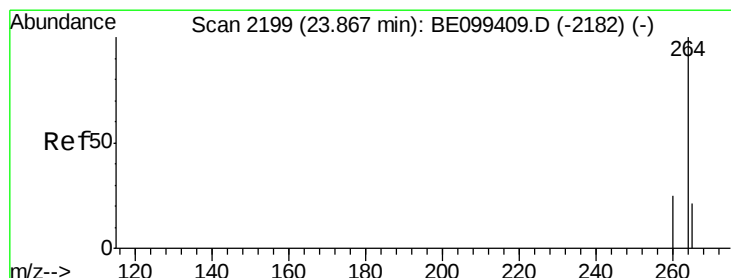
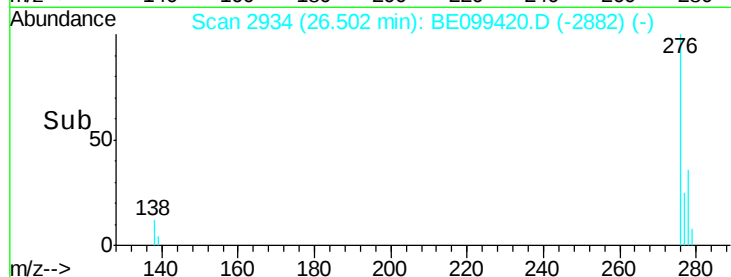
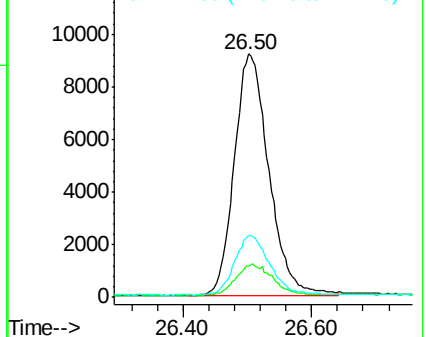
276 100

138 13.3 10.2 15.2

277 24.9 19.2 28.8



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: 0.400 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

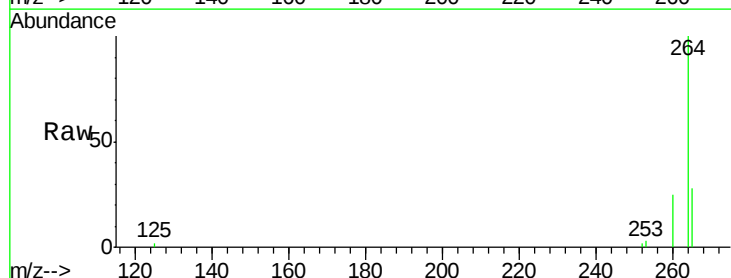
Tgt Ion:264 Resp: 21605

Ion Ratio Lower Upper

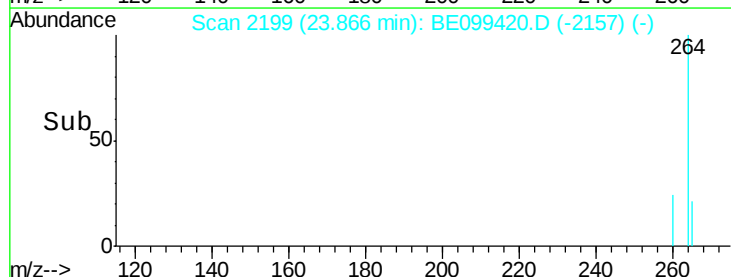
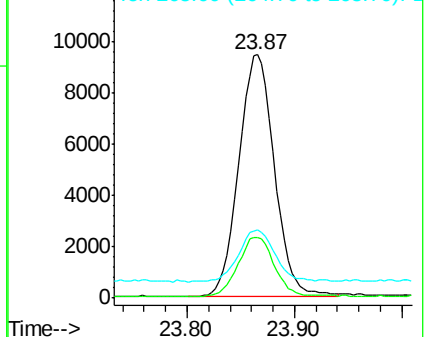
264 100

260 25.0 20.2 30.2

265 27.9 21.3 31.9



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

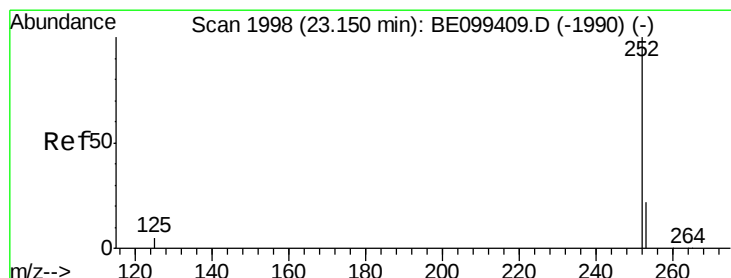
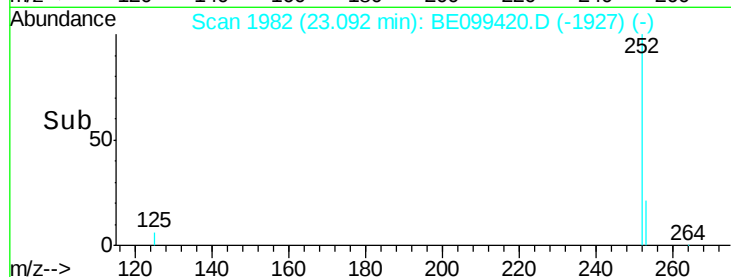
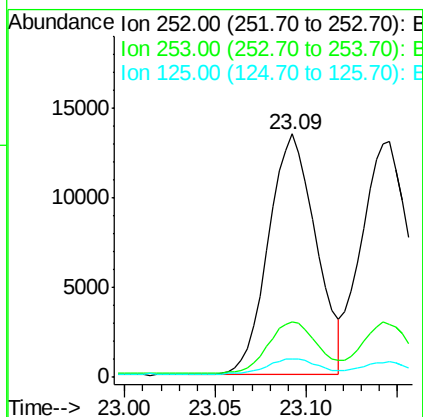
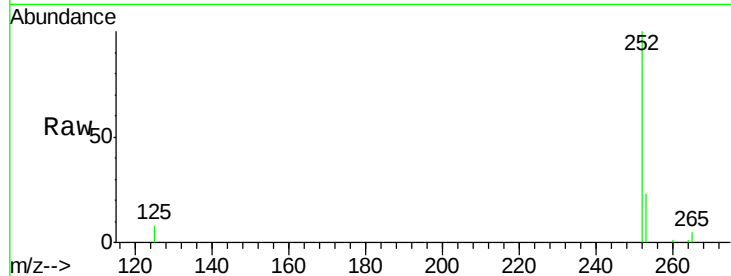




#35
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

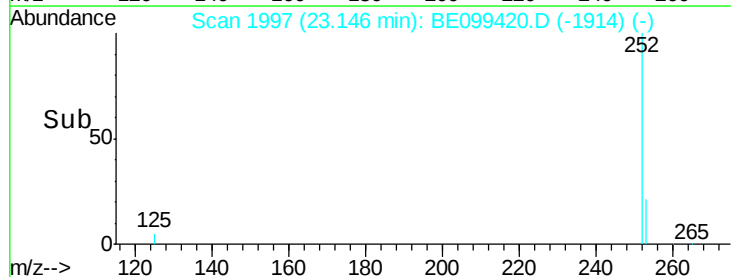
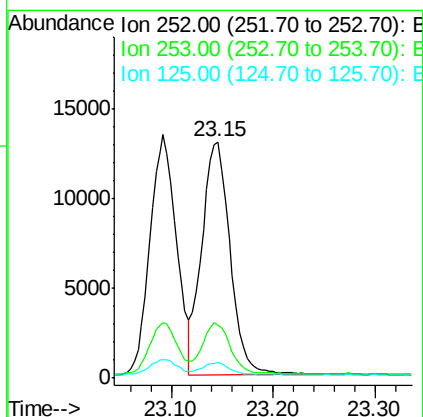
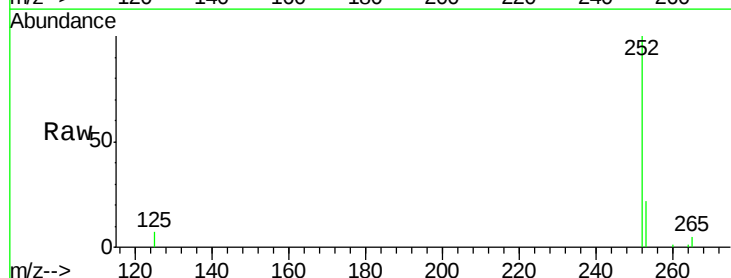
Instrument :
BNA_E
ClientSampleId :
PB119261BS

Tot Ion:252 Resp: 24330
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 7.7 5.6 8.4



#36
Benzo(k)fluoranthene
Concen: 0.417 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099420.D
Acq: 30 Apr 2019 11:20

Tgt Ion:252 Resp: 25072
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 6.6 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.414 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

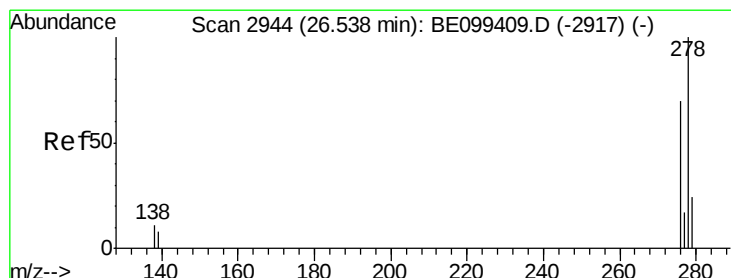
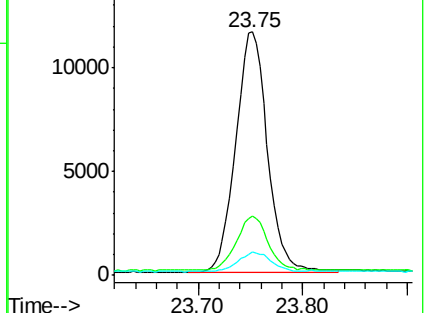
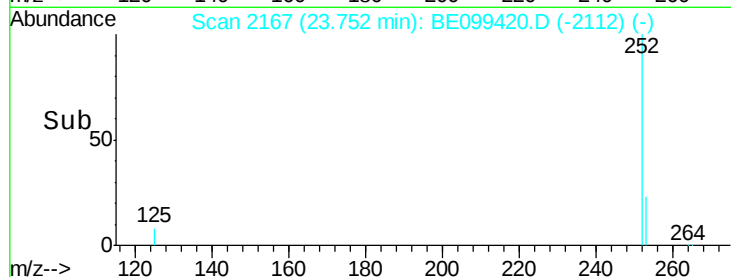
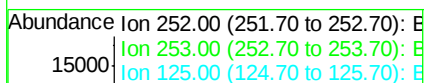
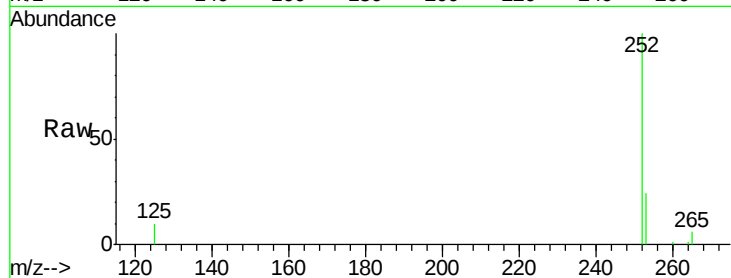
Tot Ion:252 Resp: 24401

Ion Ratio Lower Upper

252 100

253 24.4 18.9 28.3

125 9.5 6.7 10.1



#38

Dibenzo(a,h)anthracene

Concen: 0.488 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.00 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

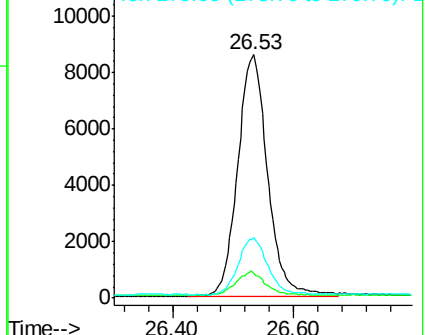
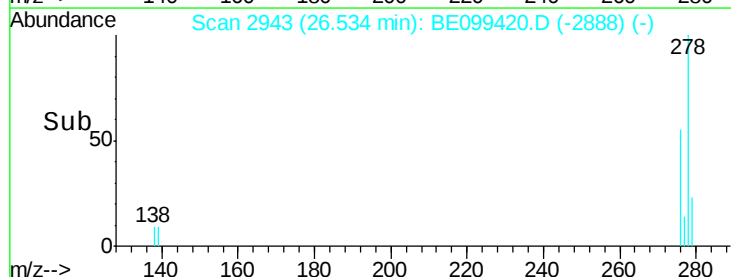
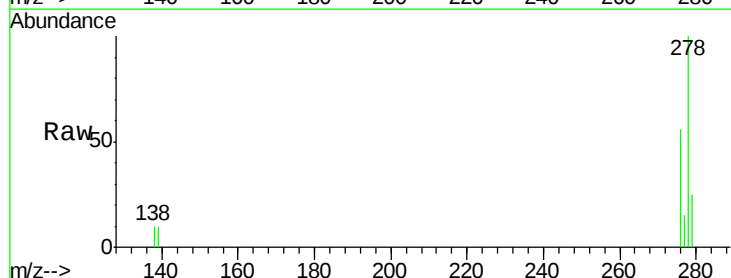
Tgt Ion:278 Resp: 29396

Ion Ratio Lower Upper

278 100

139 10.0 7.7 11.5

279 24.7 20.2 30.2





#39

Benzo(a,h,i)perylene

Concen: 0.489 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE099420.D

Acq: 30 Apr 2019 11:20

Instrument :

BNA_E

ClientSampleId :

PB119261BS

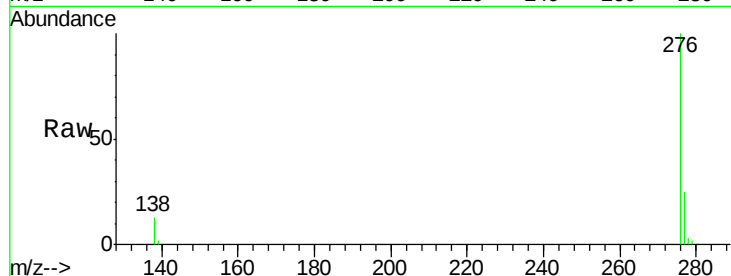
Tot Ion:276 Resp: 29513

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 12.7 9.6 14.4



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

