

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040519\
 Data File : BE099302.D
 Acq On : 5 Apr 2019 10:18
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Apr 05 14:59:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 05 14:55:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3638	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13686	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	9318	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	27492	0.40	ng	0.00
27) Chrysene-d12	21.37	240	40238	0.40	ng	0.00
34) Perylene-d12	23.86	264	41557	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	3984	0.41	ng	0.00
5) Phenol-d6	6.98	99	5401	0.41	ng	0.00
8) Nitrobenzene-d5	8.97	82	4326	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	10119	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1684	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	15966	0.44	ng	0.00
25) Fluoranthene-d10	19.22	212	151792	0.42	ng	0.00
29) Terphenyl-d14	19.82	244	31992	0.44	ng	0.00

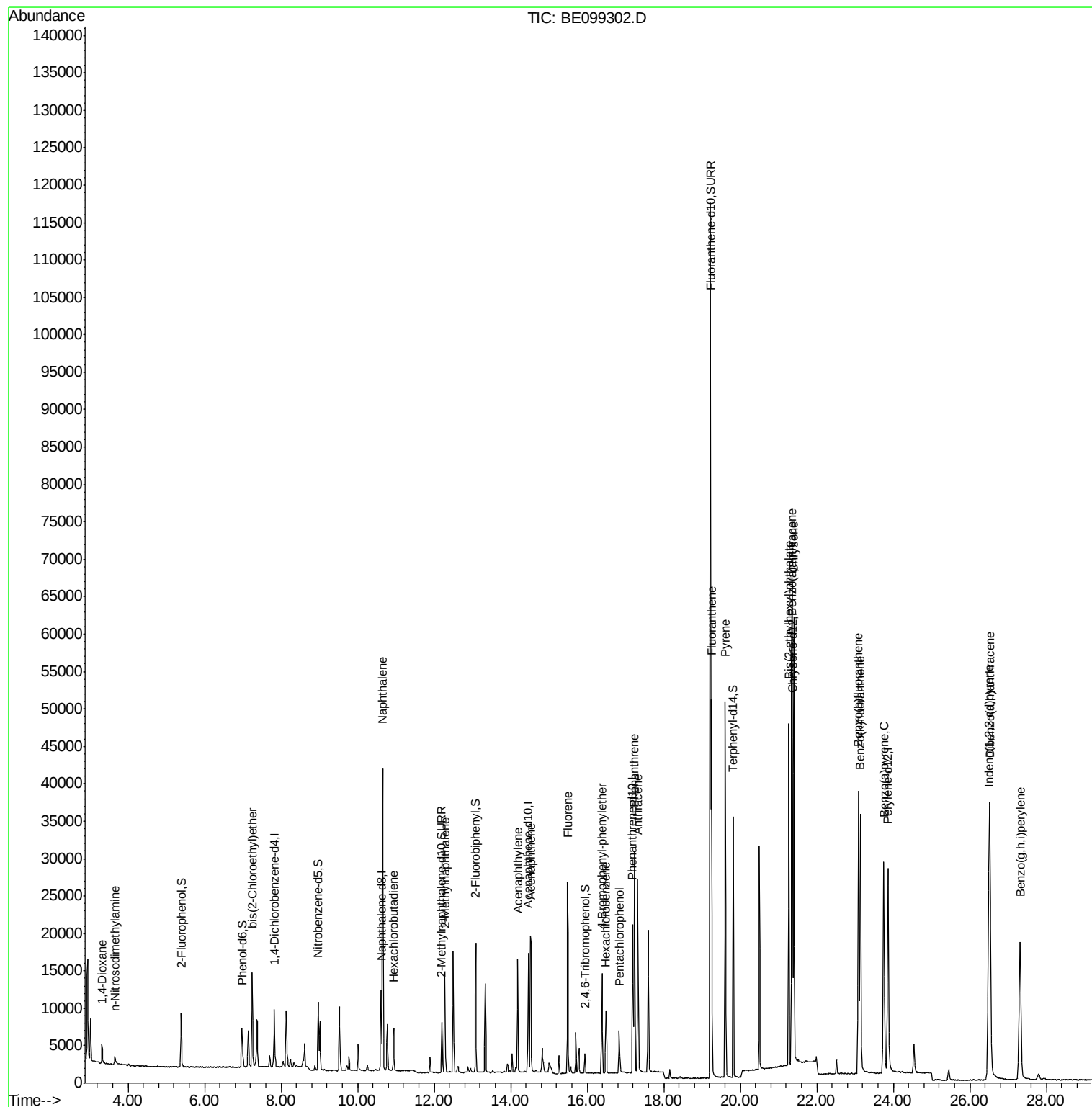
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	2187	0.441	ng	100
3) n-Nitrosodimethylamine	3.65	42	996	0.340	ng	100
6) bis(2-Chloroethyl)ether	7.24	93	4905	0.412	ng	100
9) Naphthalene	10.65	128	63356	0.426	ng	100
10) Hexachlorobutadiene	10.94	225	4238	0.438	ng	100
12) 2-Methylnaphthalene	12.28	142	10623	0.419	ng	100
16) Acenaphthylene	14.18	152	17482	0.396	ng	100
17) Acenaphthene	14.53	154	11108	0.426	ng	100
18) Fluorene	15.49	166	15735	0.418	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	6572	0.421	ng	100
21) Hexachlorobenzene	16.49	284	6539	0.440	ng	100
22) Pentachlorophenol	16.84	266	3120	0.506	ng	100
23) Phenanthrene	17.23	178	31665	0.445	ng	100
24) Anthracene	17.32	178	27326	0.407	ng	100
26) Fluoranthene	19.25	202	44796	0.427	ng	100
28) Pyrene	19.61	202	46115	0.434	ng	100
30) Benzo(a)anthracene	21.34	228	51823	0.409	ng	100
31) Chrysene	21.40	228	53004	0.427	ng	100
32) Bis(2-ethylhexyl)phthalate	21.27	149	49796	0.308	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	58461	0.412	ng	100
35) Benzo(b)fluoranthene	23.09	252	52095	0.420	ng	100
36) Benzo(k)fluoranthene	23.14	252	51827	0.429	ng	100
37) Benzo(a)pyrene	23.75	252	47734	0.410	ng	100
38) Dibenzo(a,h)anthracene	26.52	278	48727	0.420	ng	100
39) Benzo(g,h,i)perylene	27.31	276	47850	0.414	ng	100

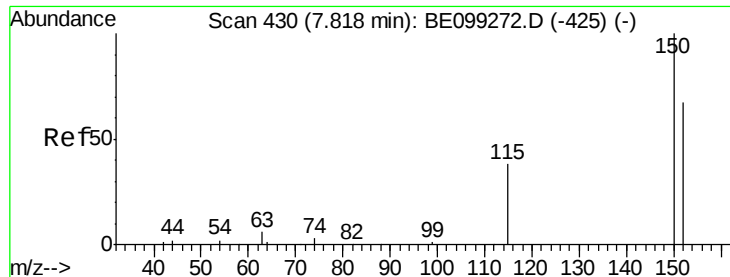
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

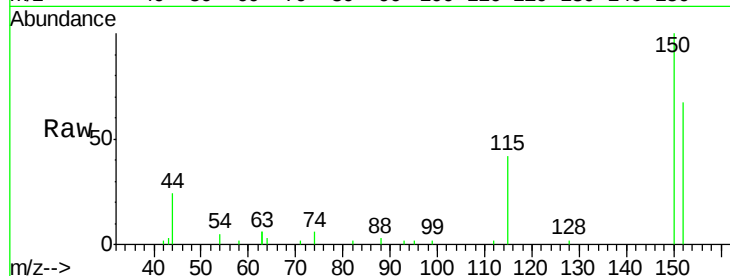
Tgt Ion:152 Resp: 3638

Ion Ratio Lower Upper

152 100

150 150.2 120.2 180.2

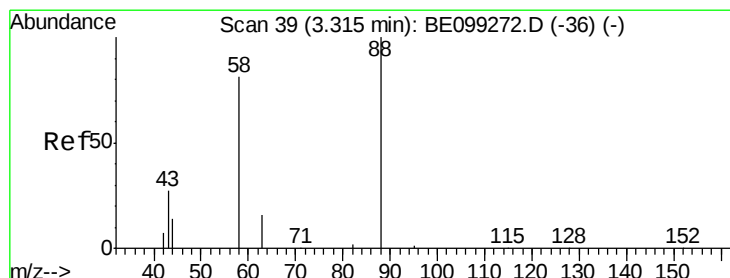
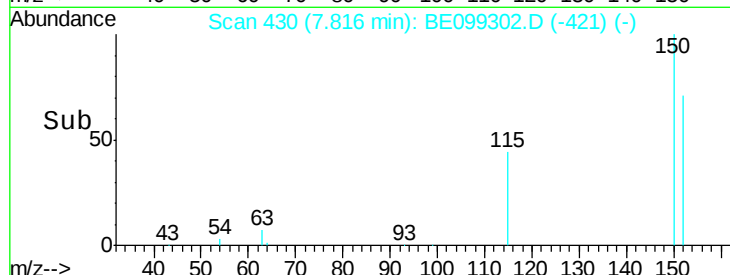
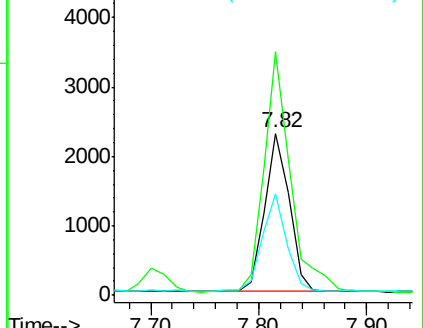
115 62.7 50.2 75.2



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: 0.441 ng

RT: 3.32 min Scan# 40

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

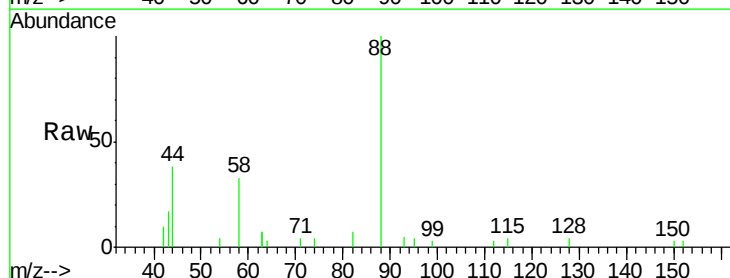
Tgt Ion: 88 Resp: 2187

Ion Ratio Lower Upper

88 100

58 55.0 43.8 65.8

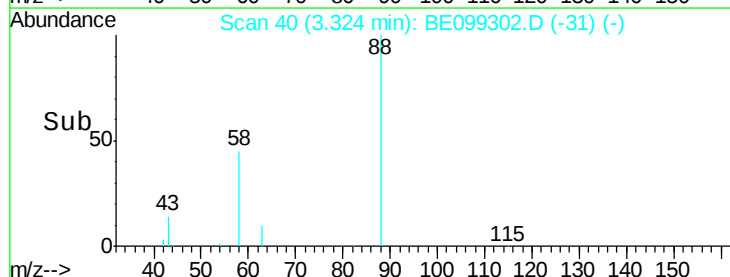
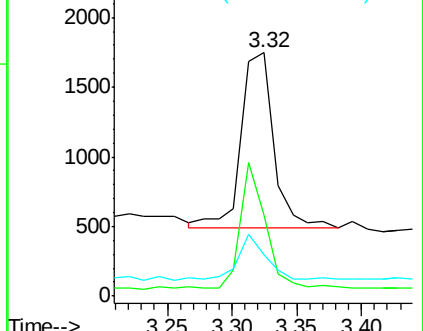
43 23.3 18.6 28.0

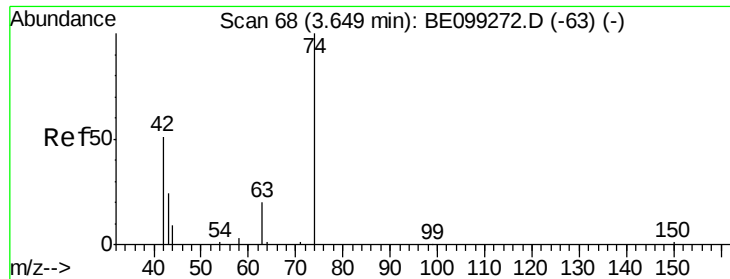


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

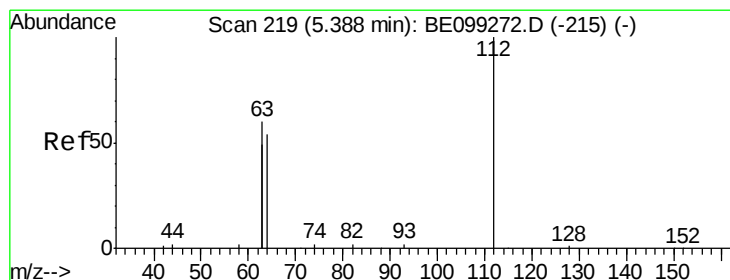
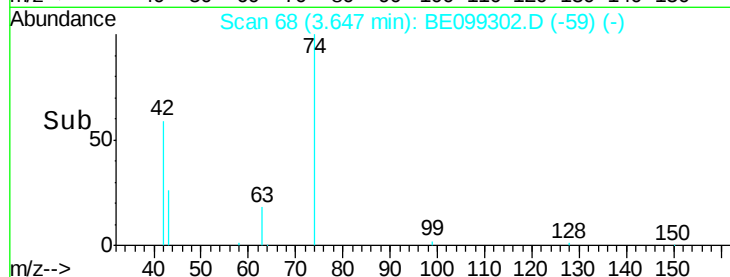
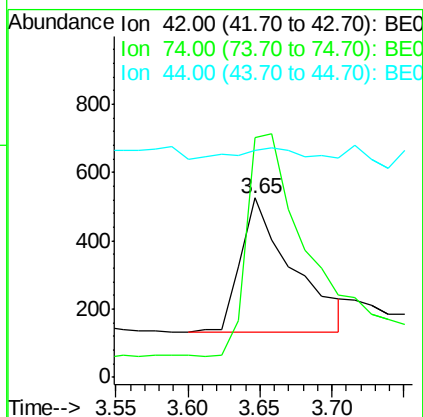
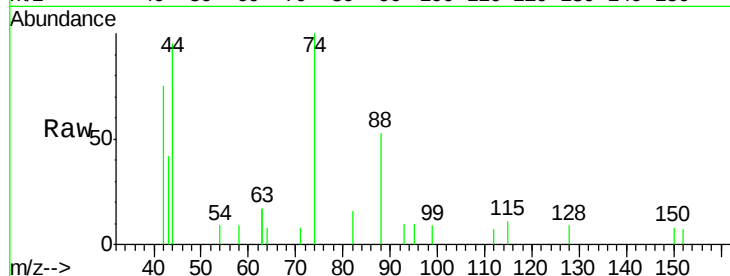




#3
n-Nitrosodimethylamine
Concen: 0.340 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

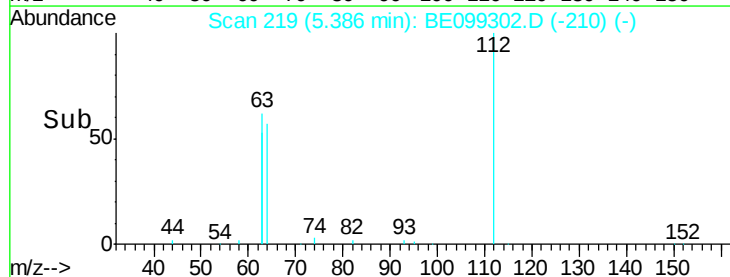
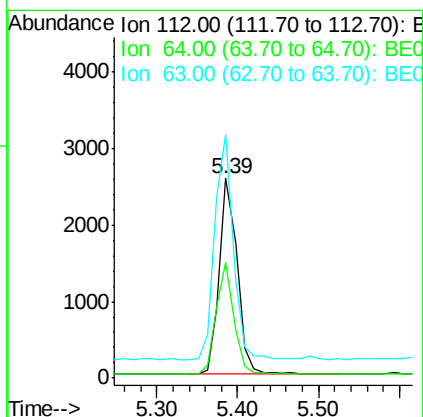
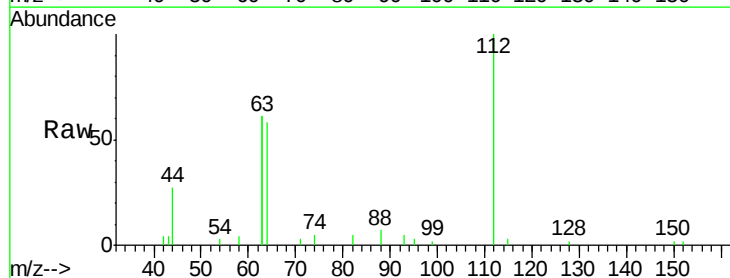
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

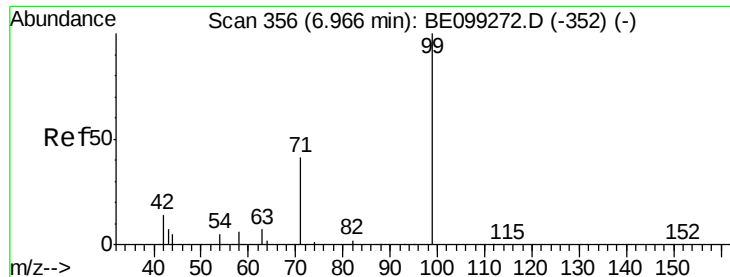
Tgt Ion: 42 Resp: 996
Ion Ratio Lower Upper
42 100
74 178.2 142.6 214.0
44 5.4 4.1 6.1



#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion: 112 Resp: 3984
Ion Ratio Lower Upper
112 100
64 56.0 44.8 67.2
63 118.5 94.8 142.2





#5

Phenol-d6

Concen: 0.406 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

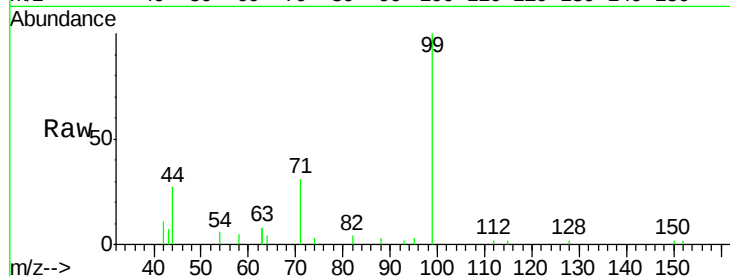
Tgt Ion: 99 Resp: 5401

Ion Ratio Lower Upper

99 100

42 15.5 12.4 18.6

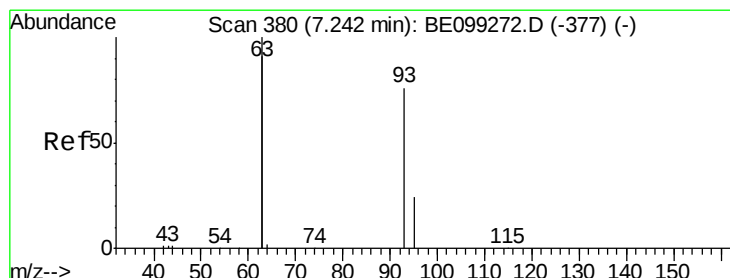
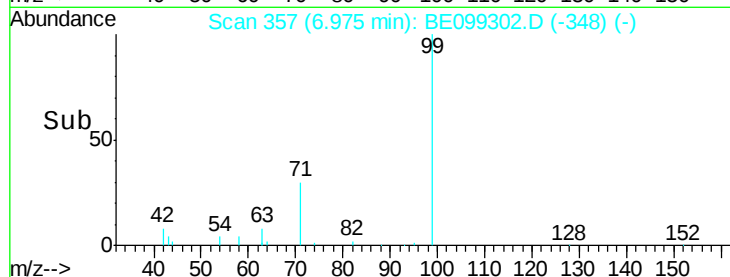
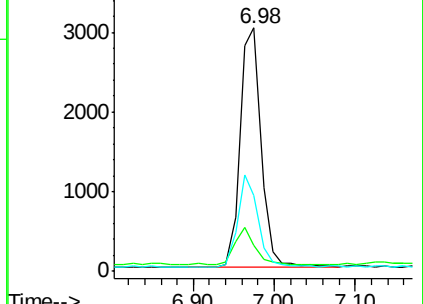
71 37.5 30.0 45.0



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: 0.412 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

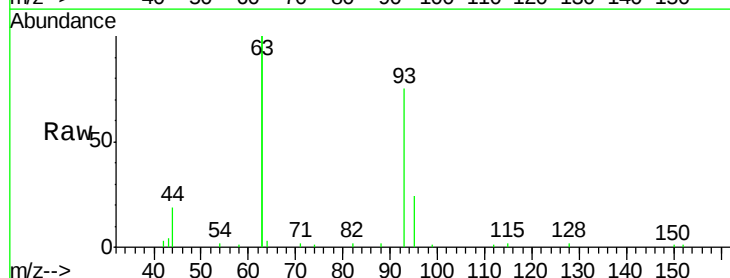
Tgt Ion: 93 Resp: 4905

Ion Ratio Lower Upper

93 100

63 278.3 222.6 334.0

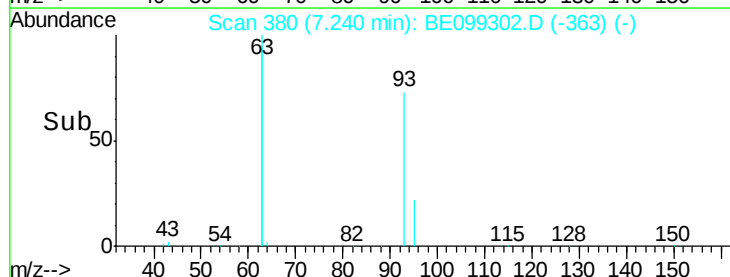
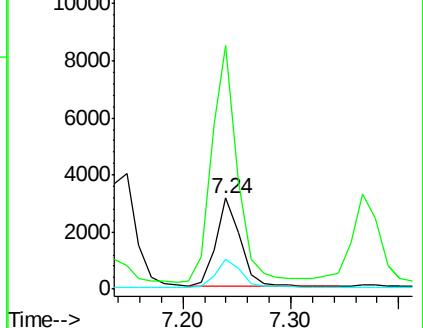
95 32.5 26.0 39.0

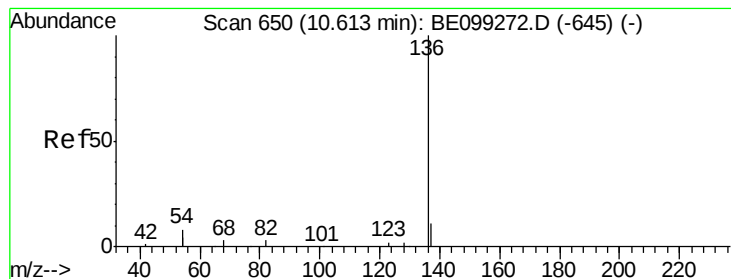


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 13686

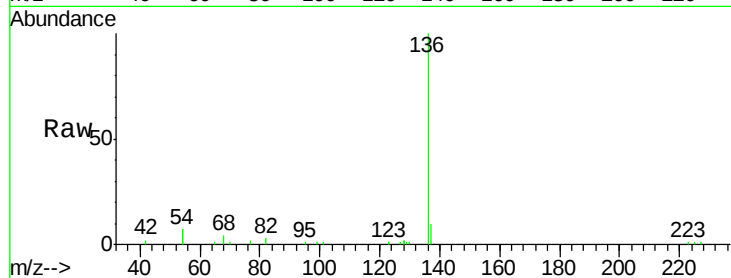
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 13.5 10.8 16.2

68 4.0 3.2 4.8

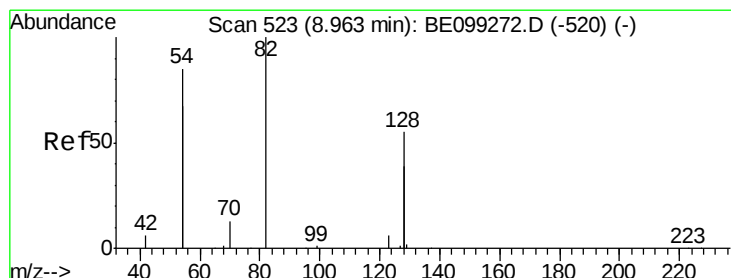
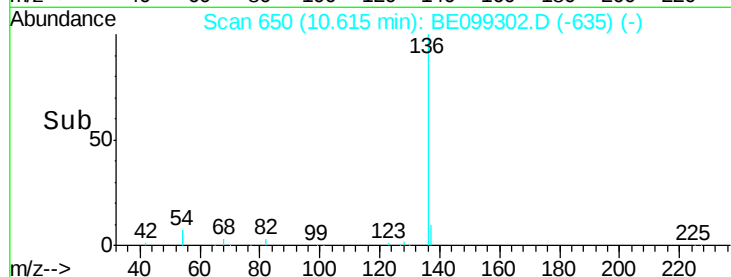
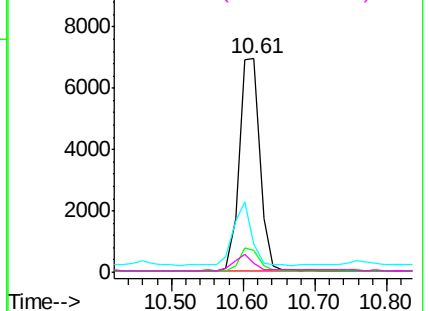


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.460 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

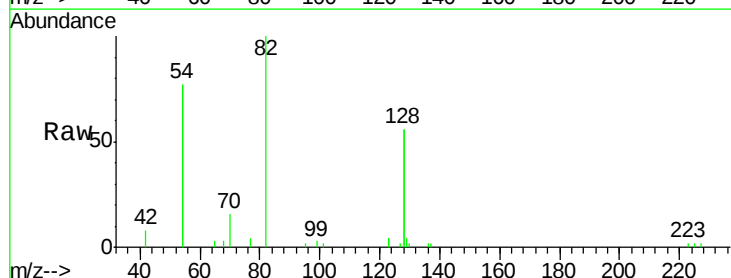
Tgt Ion: 82 Resp: 4326

Ion Ratio Lower Upper

82 100

128 112.6 90.1 135.1

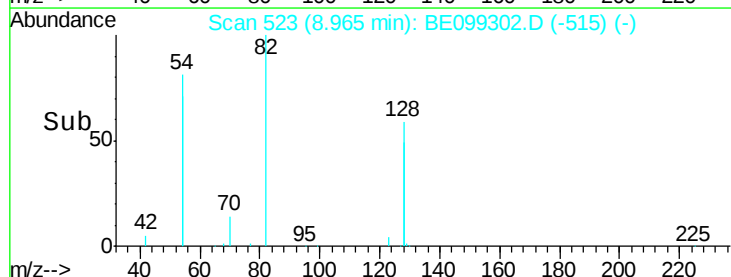
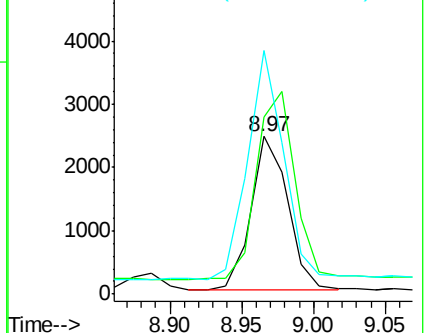
54 154.5 123.6 185.4

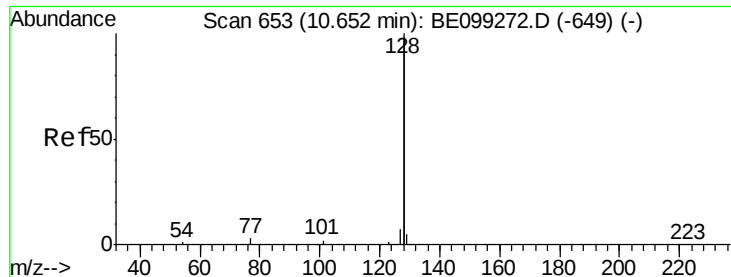


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.426 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

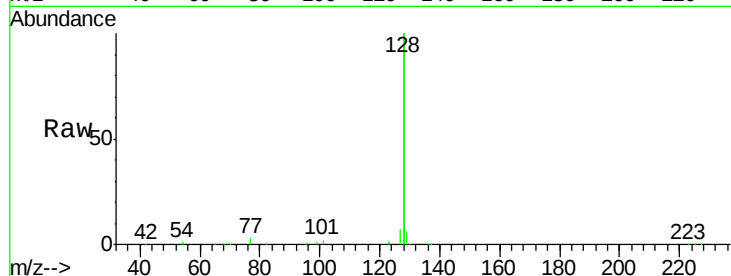
Tgt Ion:128 Resp: 63356

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

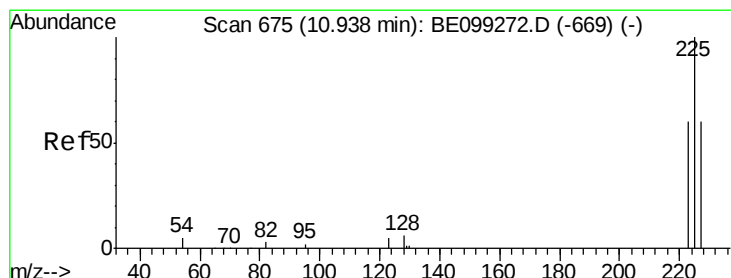
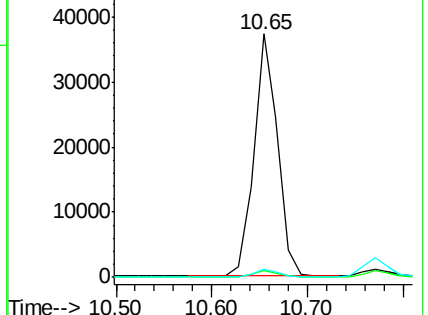
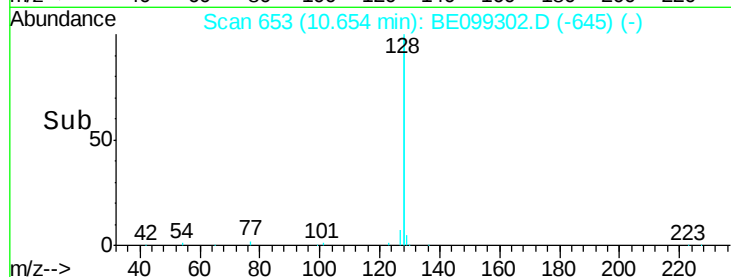
127 3.6 2.9 4.3



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: 0.438 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

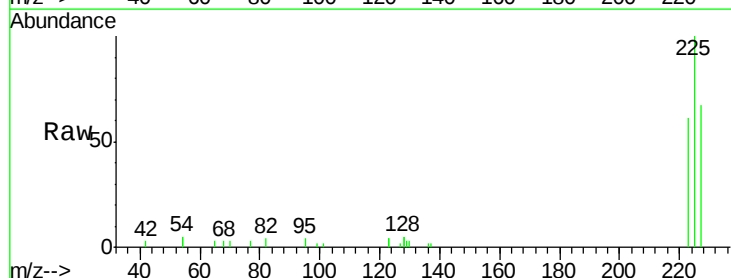
Tgt Ion:225 Resp: 4238

Ion Ratio Lower Upper

225 100

223 62.1 49.7 74.5

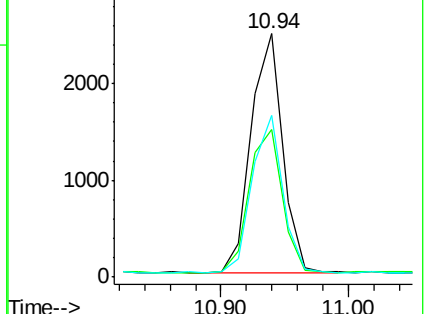
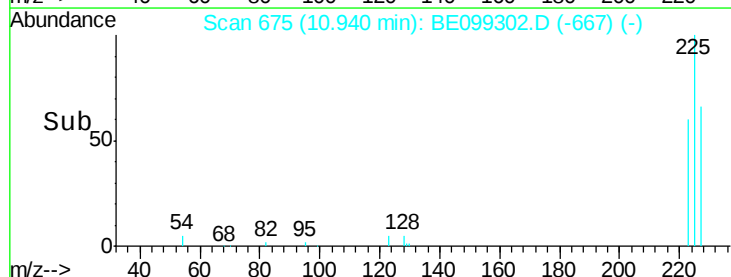
227 63.6 50.9 76.3

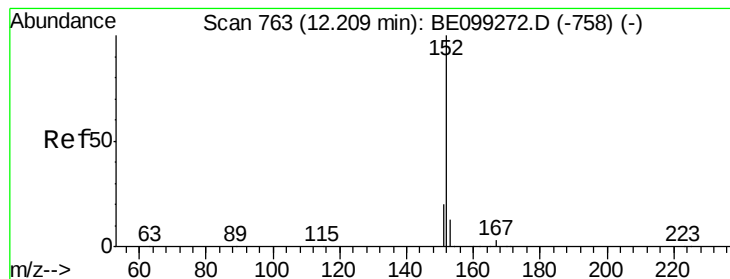


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

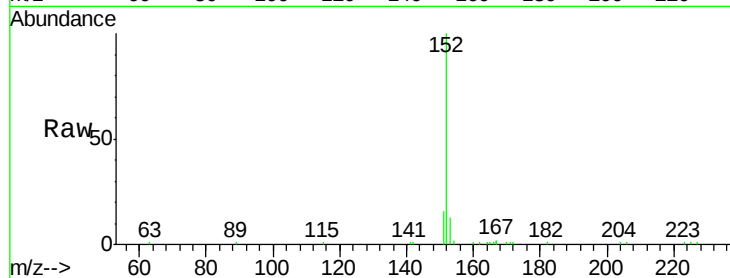
SSTDCCC0.4

Tgt Ion:152 Resp: 10119

Ion Ratio Lower Upper

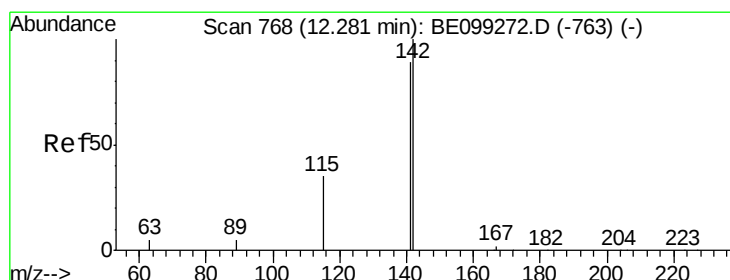
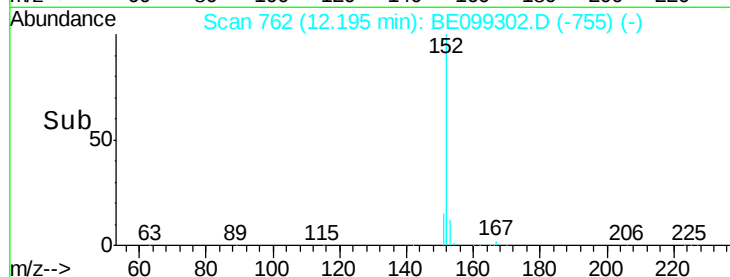
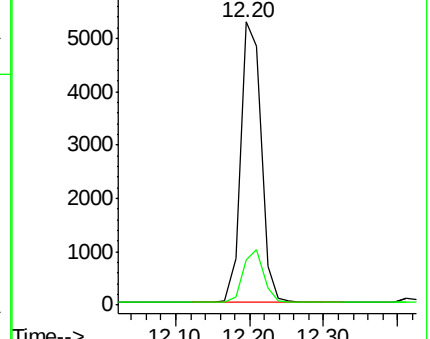
152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.419 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

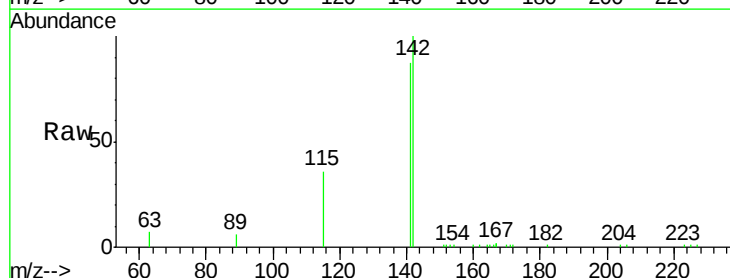
Tgt Ion:142 Resp: 10623

Ion Ratio Lower Upper

142 100

141 86.6 69.3 103.9

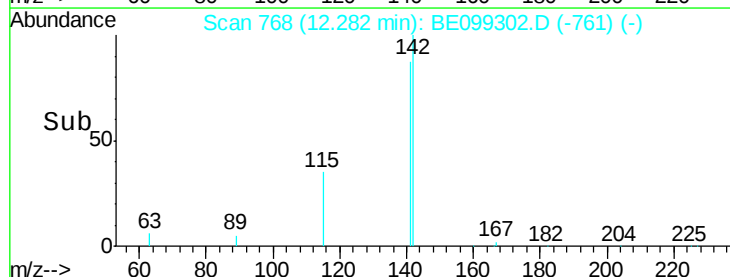
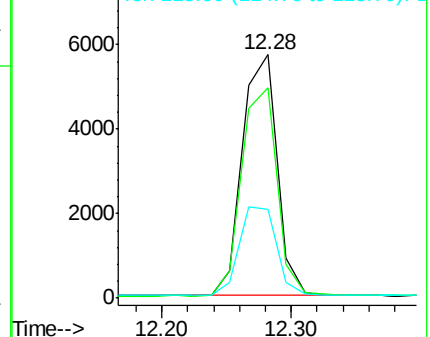
115 36.4 29.1 43.7

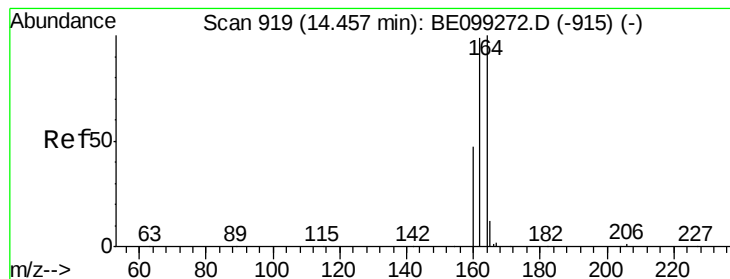


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

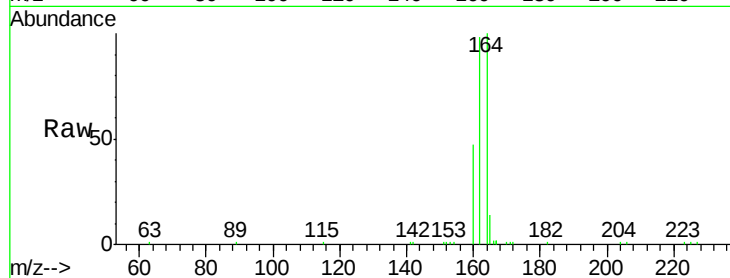
Tgt Ion:164 Resp: 9318

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

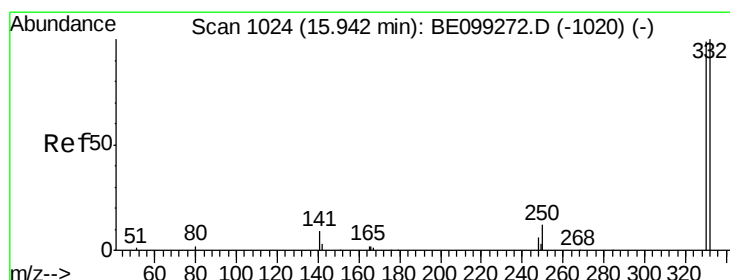
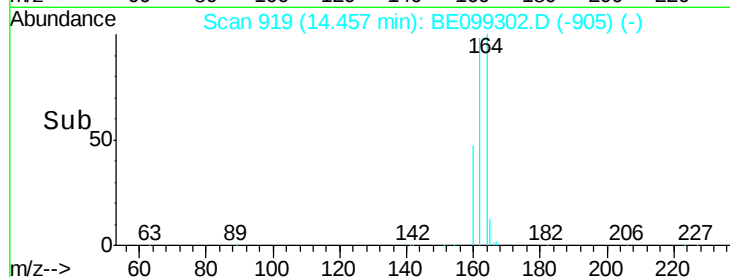
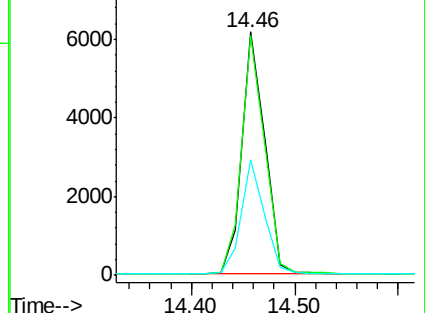
160 47.3 37.8 56.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.392 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

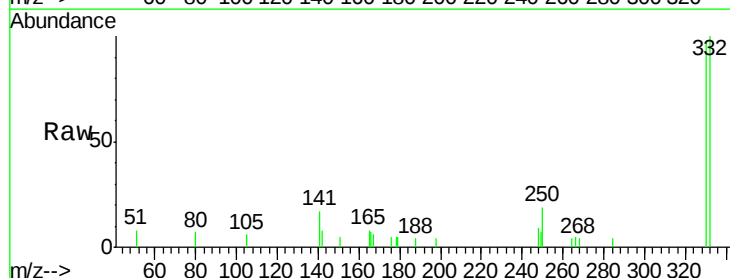
Tgt Ion:330 Resp: 1684

Ion Ratio Lower Upper

330 100

332 103.2 82.0 123.0

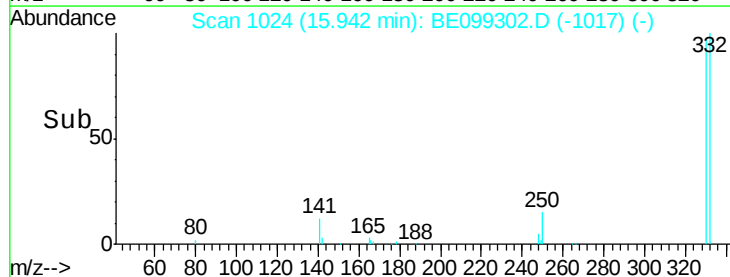
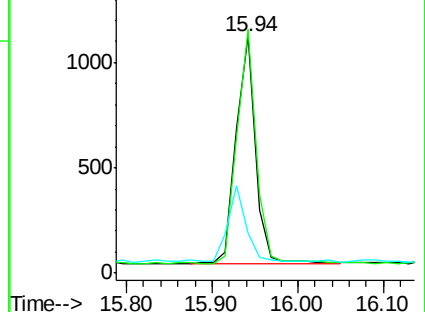
141 31.7 25.4 38.2

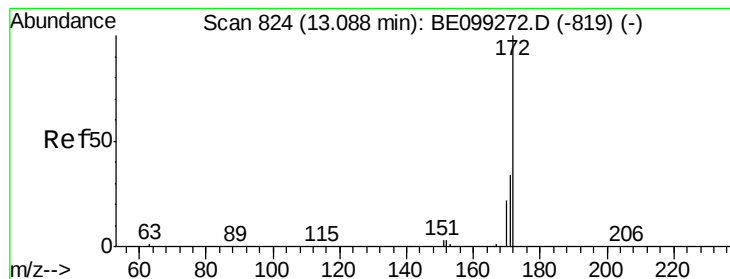


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.436 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

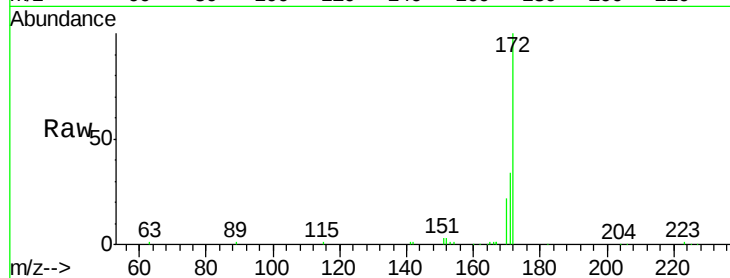
Tgt Ion:172 Resp: 15966

Ion Ratio Lower Upper

172 100

171 33.7 27.0 40.4

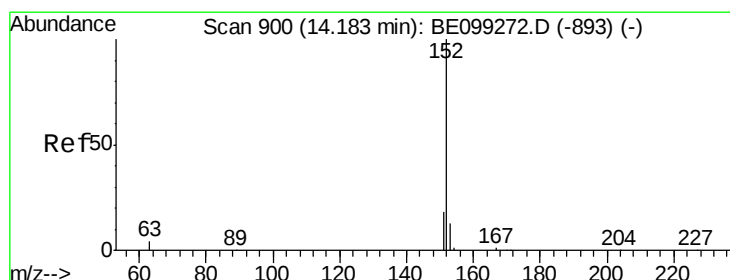
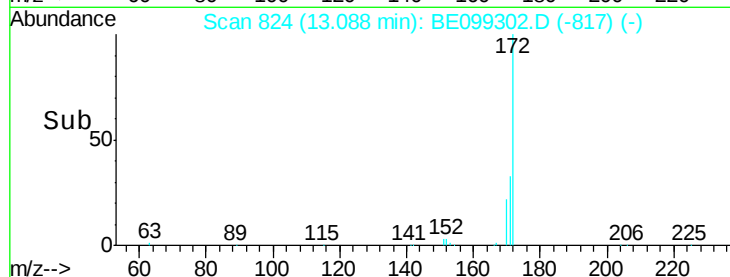
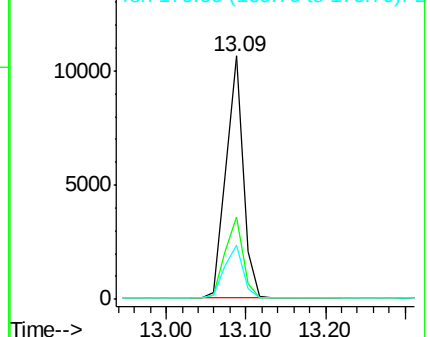
170 22.2 17.8 26.6



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: 0.396 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

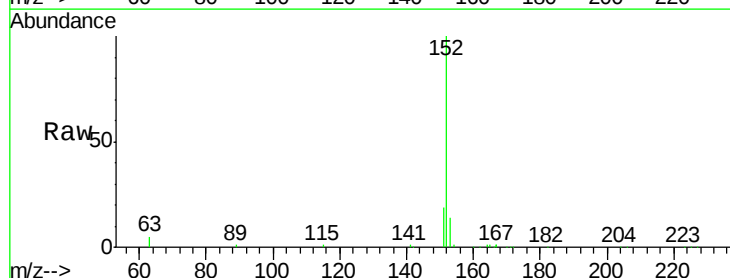
Tgt Ion:152 Resp: 17482

Ion Ratio Lower Upper

152 100

151 19.1 15.3 22.9

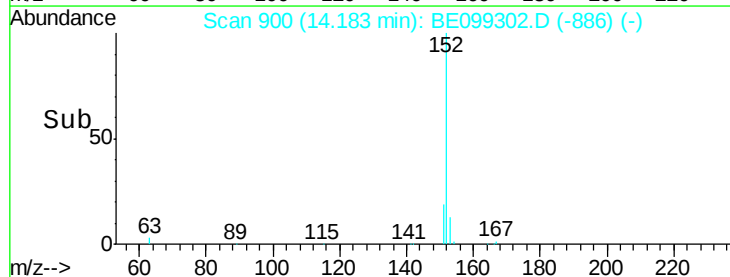
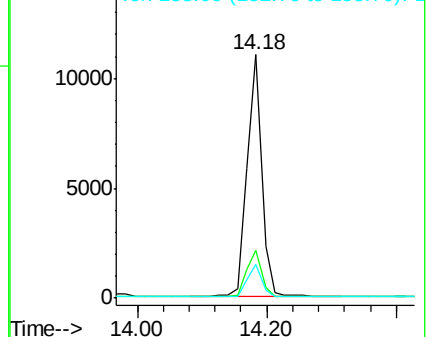
153 13.5 10.8 16.2

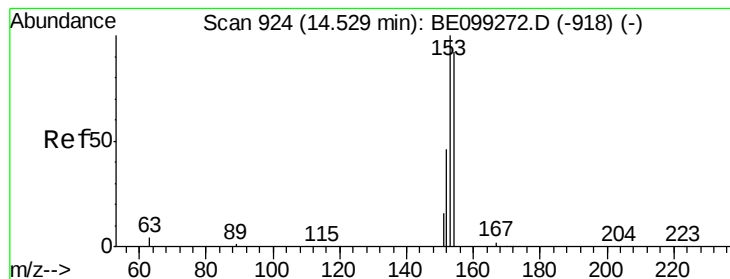


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.426 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

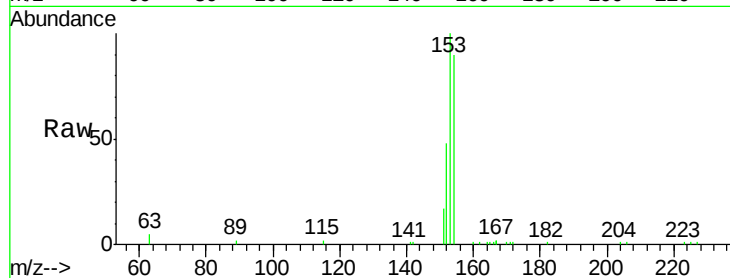
Tgt Ion:154 Resp: 11108

Ion Ratio Lower Upper

154 100

153 116.5 93.3 139.9

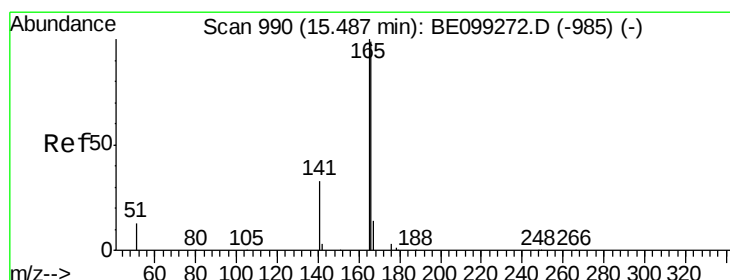
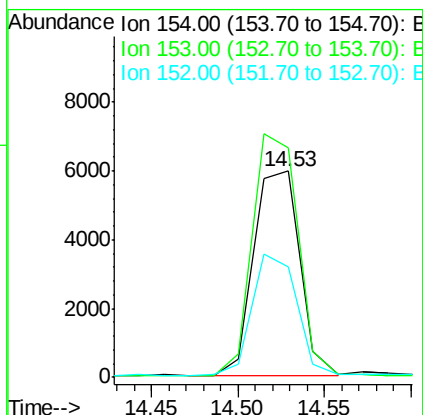
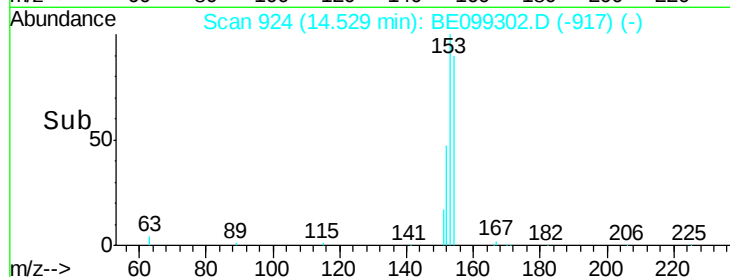
152 57.3 45.6 68.4



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: 0.418 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

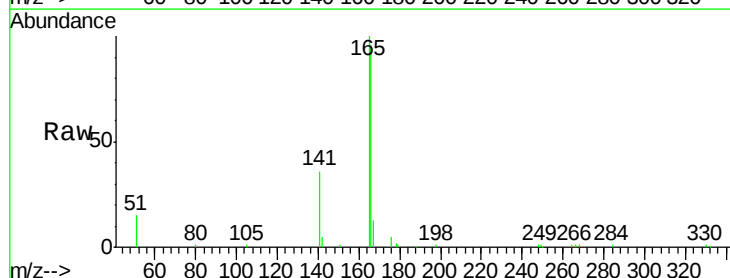
Tgt Ion:166 Resp: 15735

Ion Ratio Lower Upper

166 100

165 100.7 80.6 120.8

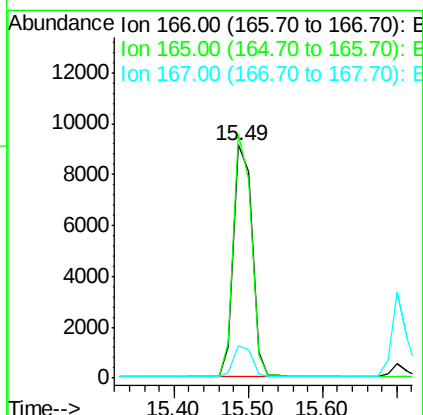
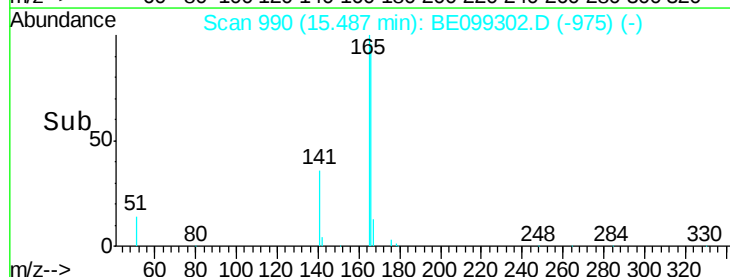
167 13.4 10.7 16.1

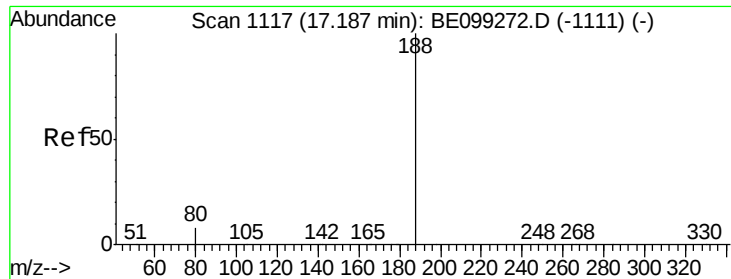


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

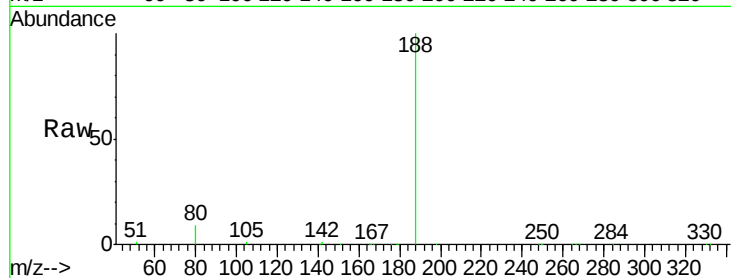
Tgt Ion:188 Resp: 27492

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

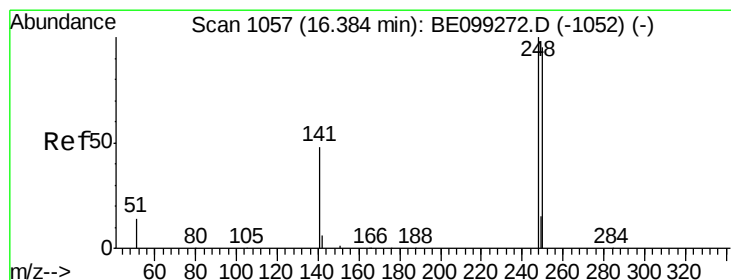
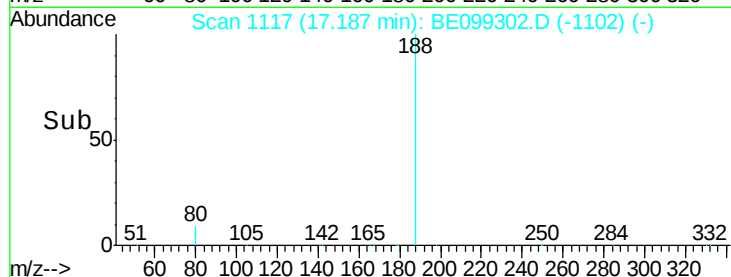
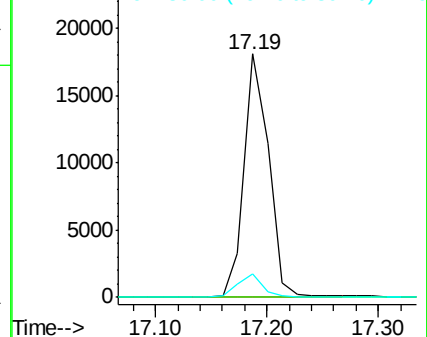
80 9.4 7.5 11.3



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: 0.421 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

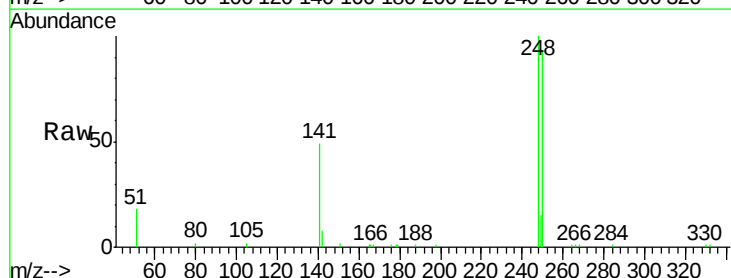
Tgt Ion:248 Resp: 6572

Ion Ratio Lower Upper

248 100

250 92.9 74.3 111.5

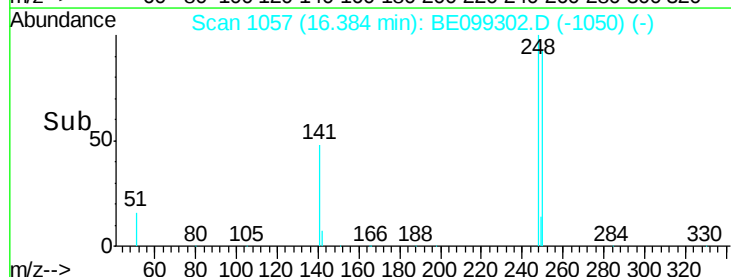
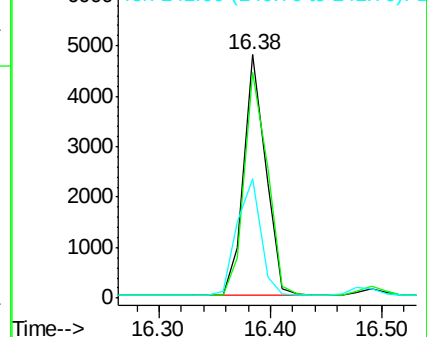
141 48.9 39.1 58.7

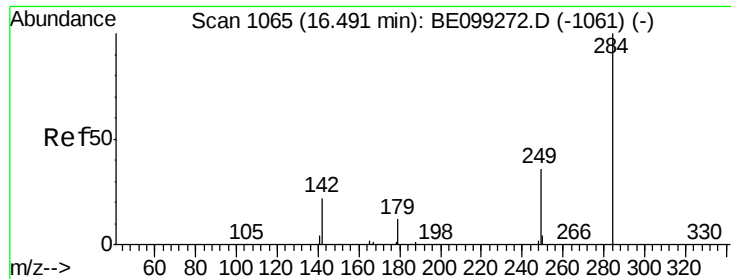


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

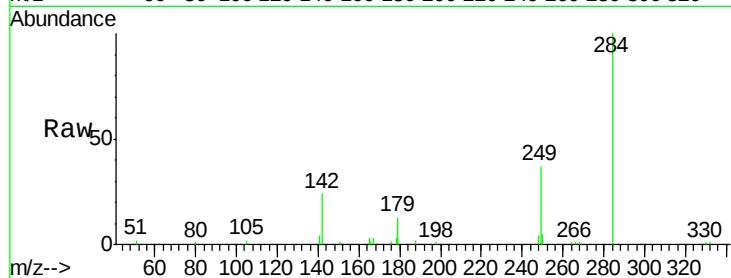




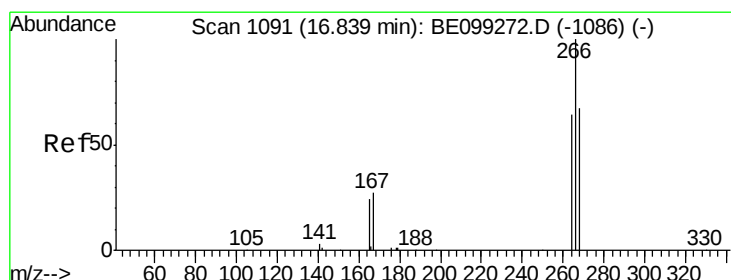
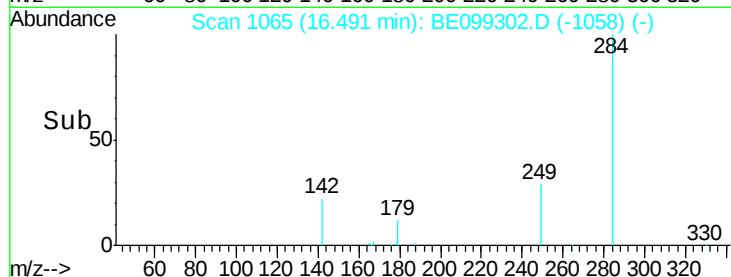
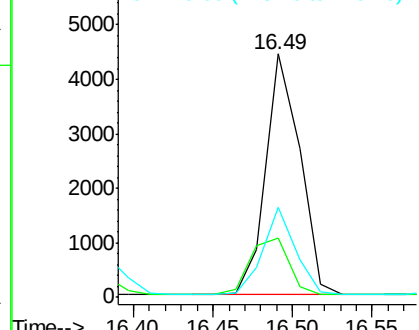
#21
Hexachlorobenzene
Concen: 0.440 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 6539
Ion Ratio Lower Upper
284 100
142 26.5 21.2 31.8
249 34.3 27.4 41.2

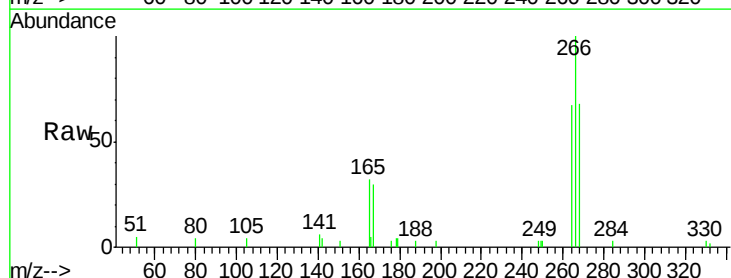


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

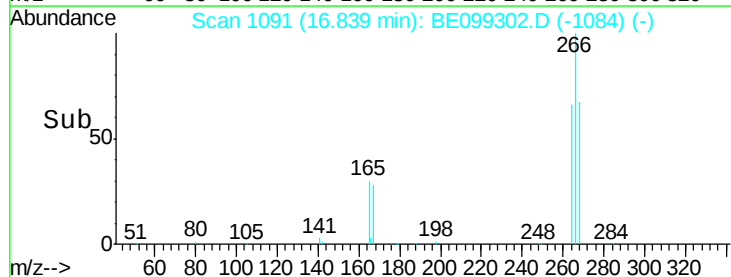
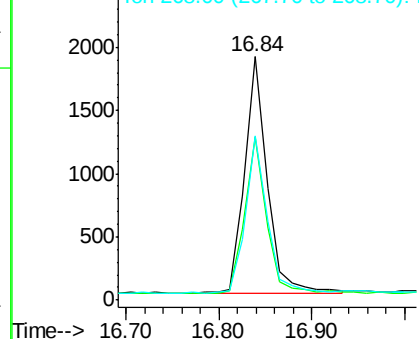


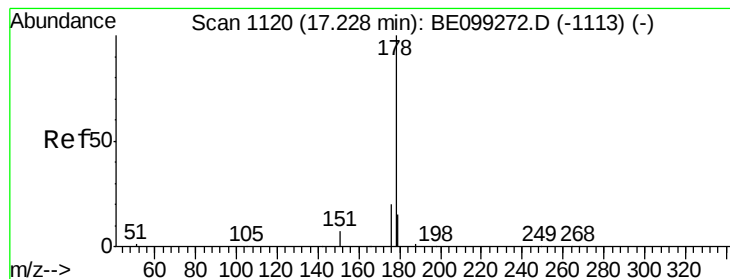
#22
Pentachlorophenol
Concen: 0.506 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:266 Resp: 3120
Ion Ratio Lower Upper
266 100
264 67.0 53.6 80.4
268 67.7 54.2 81.2



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: 0.445 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

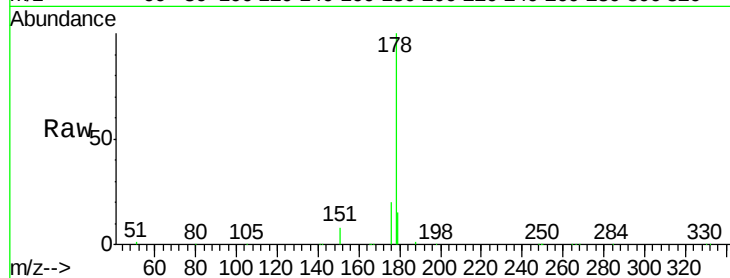
Tgt Ion:178 Resp: 31665

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

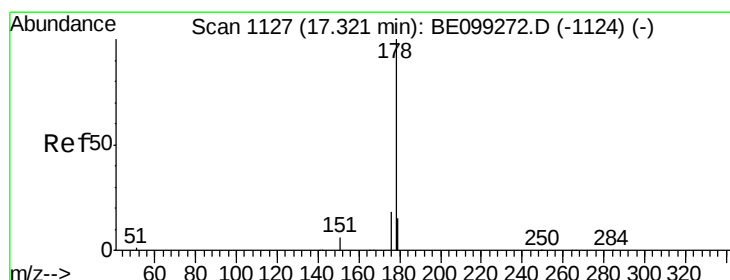
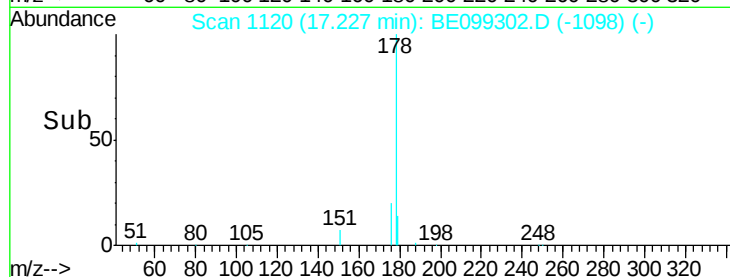
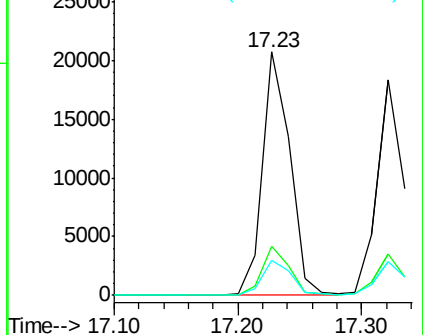
179 14.8 11.8 17.8



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: 0.407 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

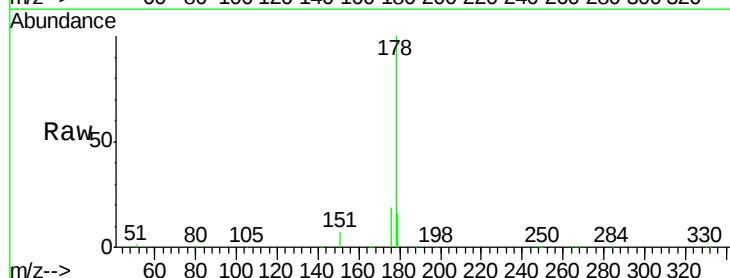
Tgt Ion:178 Resp: 27326

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

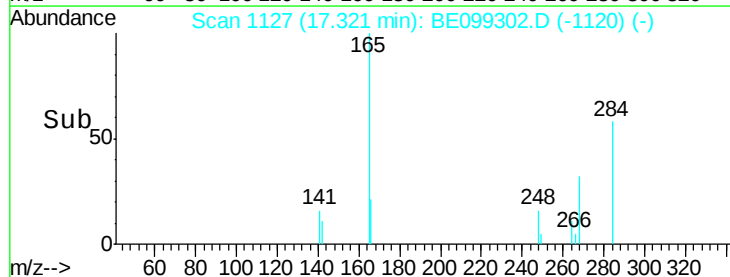
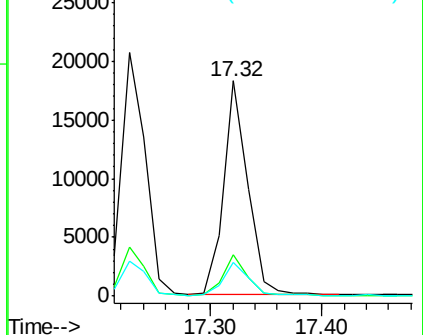
179 15.4 12.3 18.5

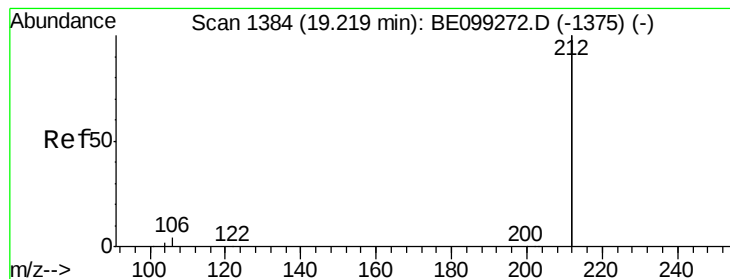


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

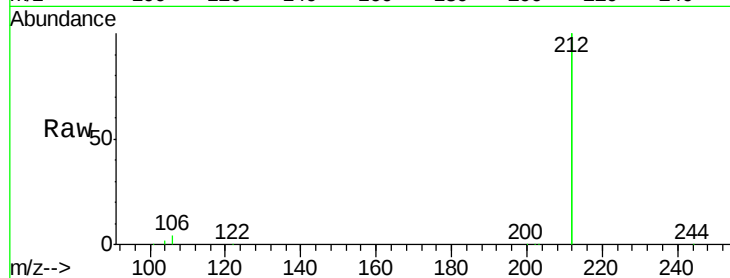
Tgt Ion:212 Resp: 151792

Ion Ratio Lower Upper

212 100

106 2.1 1.7 2.5

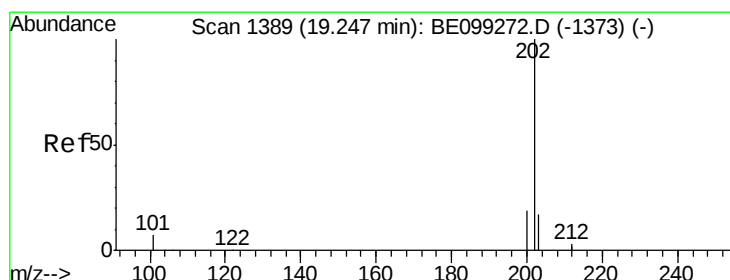
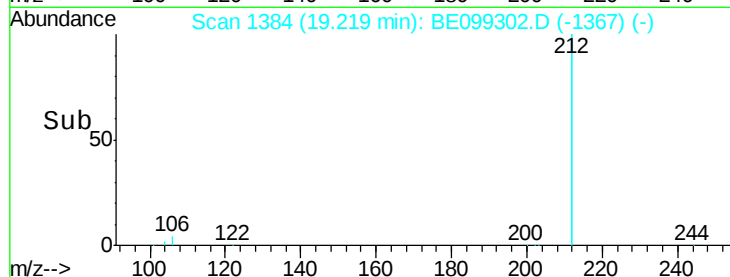
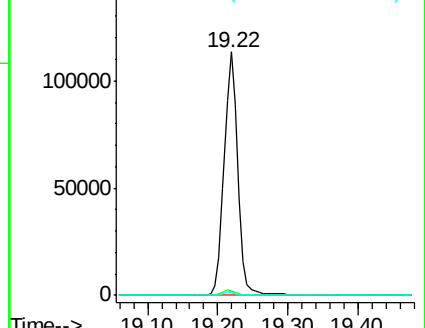
104 1.2 1.0 1.4



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: 0.427 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

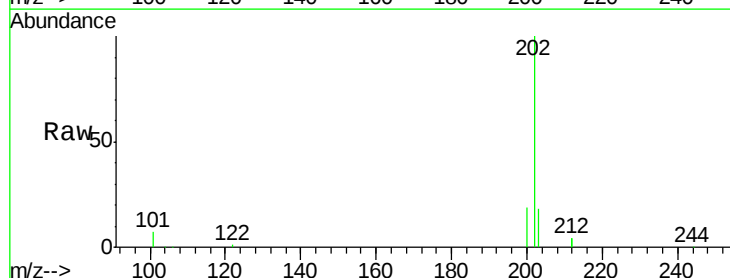
Tgt Ion:202 Resp: 44796

Ion Ratio Lower Upper

202 100

101 7.6 6.1 9.1

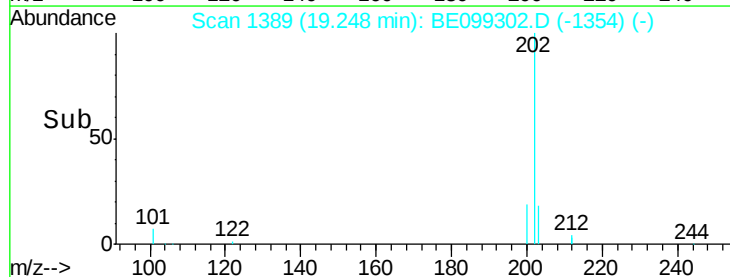
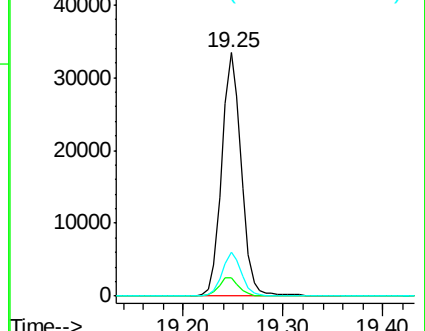
203 17.2 13.8 20.6

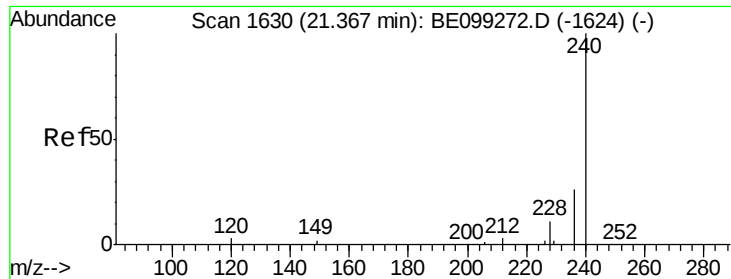


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

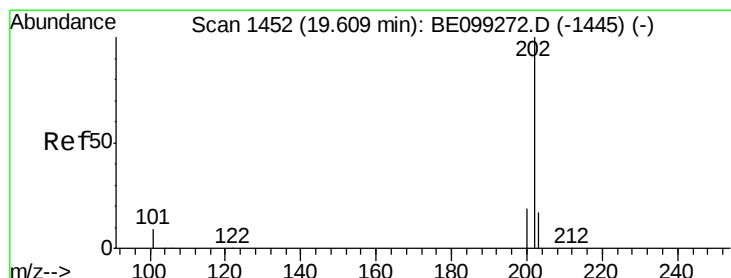
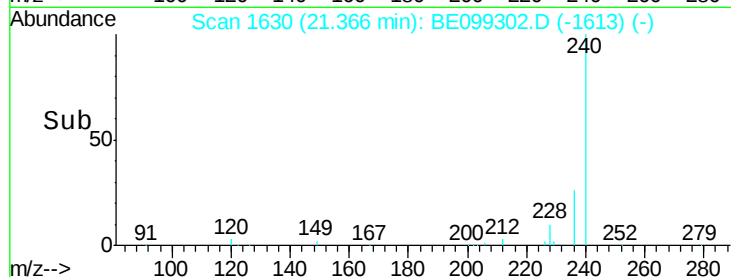
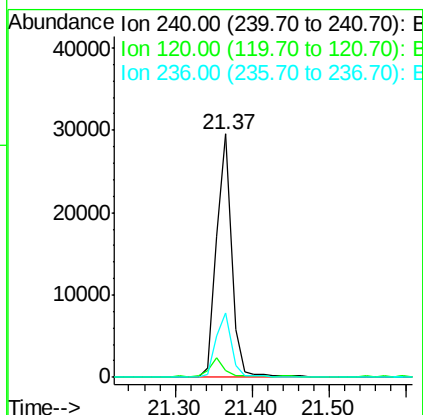
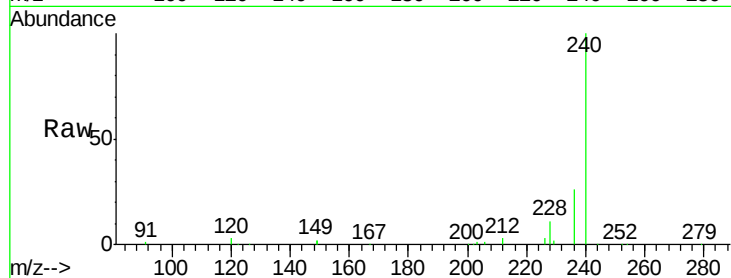




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099302.D
 Acq: 5 Apr 2019 10:18

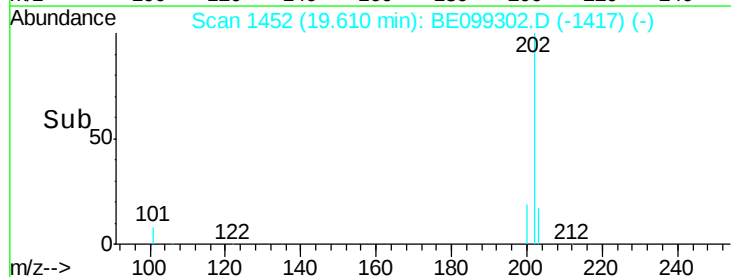
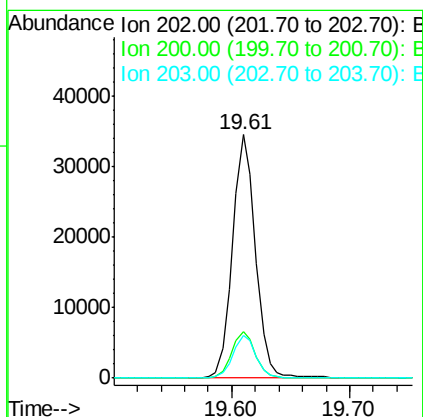
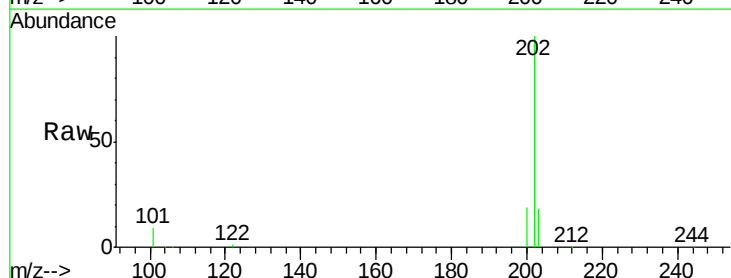
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

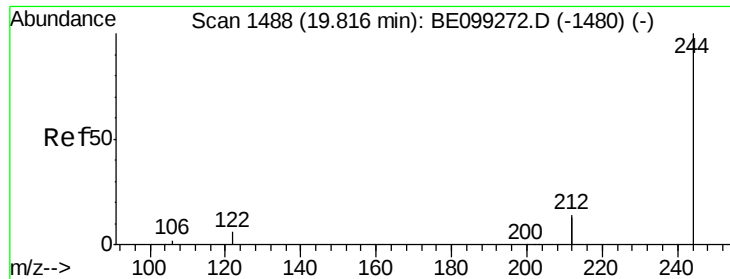
Tgt Ion: 240 Resp: 40238
 Ion Ratio Lower Upper
 240 100
 120 2.9 2.3 3.5
 236 26.3 21.0 31.6



#28
 Pyrene
 Concen: 0.434 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BE099302.D
 Acq: 5 Apr 2019 10:18

Tgt Ion: 202 Resp: 46115
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.5 23.3
 203 17.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.436 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

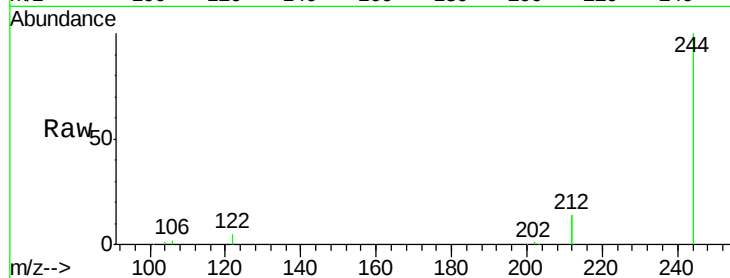
Tgt Ion:244 Resp: 31992

Ion Ratio Lower Upper

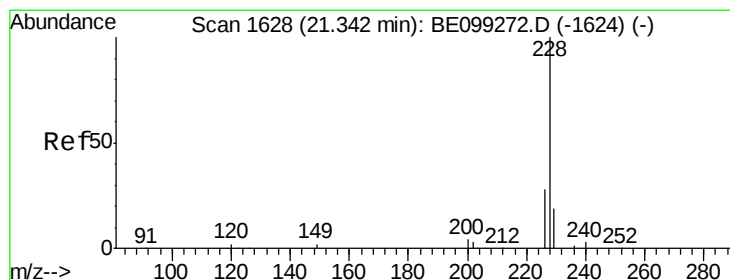
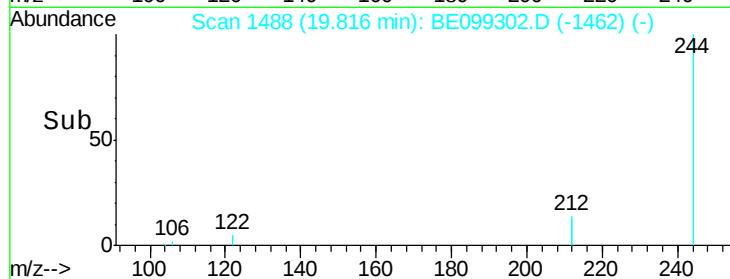
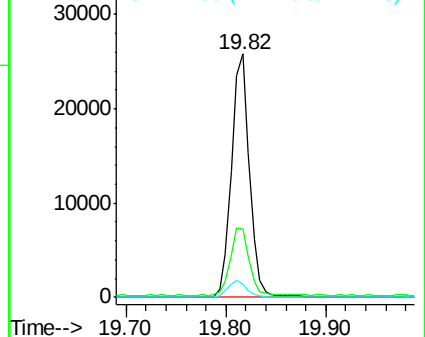
244 100

212 28.0 22.4 33.6

122 5.5 4.4 6.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.409 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

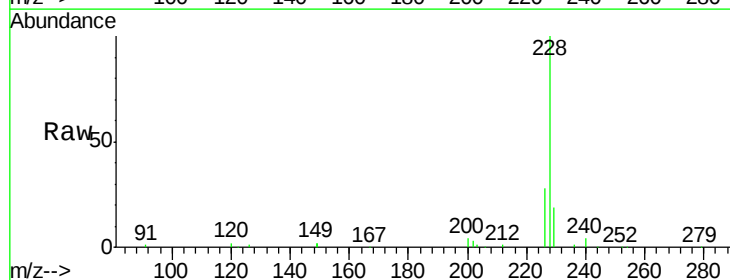
Tgt Ion:228 Resp: 51823

Ion Ratio Lower Upper

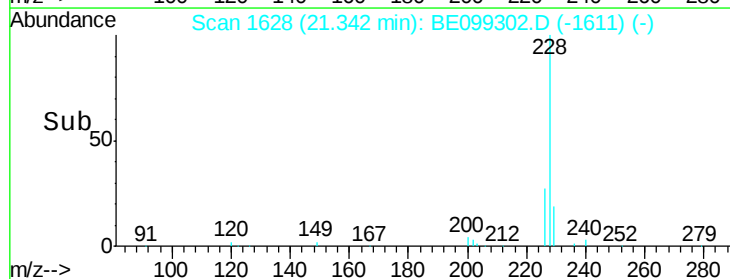
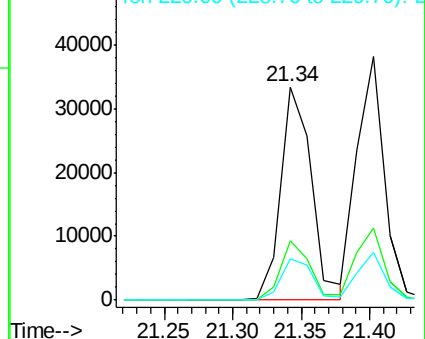
228 100

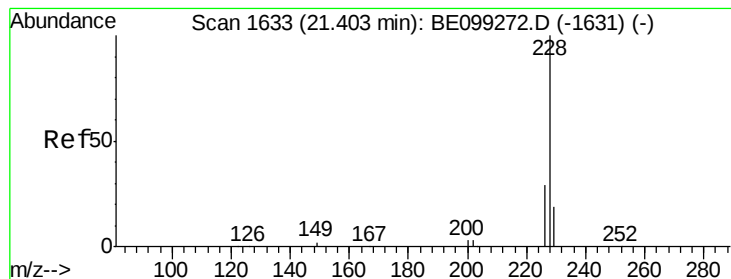
226 27.6 22.1 33.1

229 19.2 15.4 23.0



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: 0.427 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

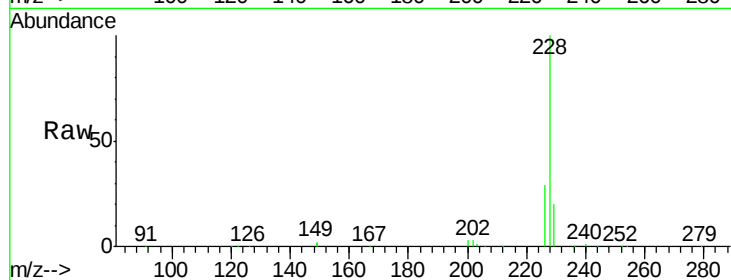
Tgt Ion:228 Resp: 53004

Ion Ratio Lower Upper

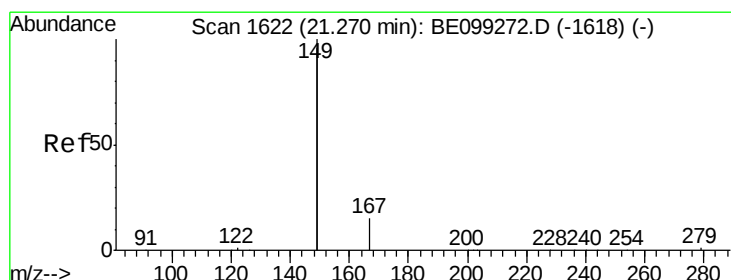
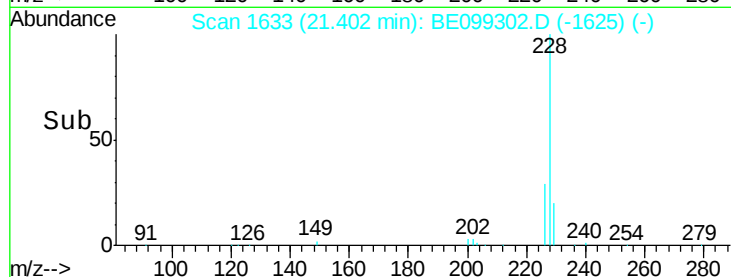
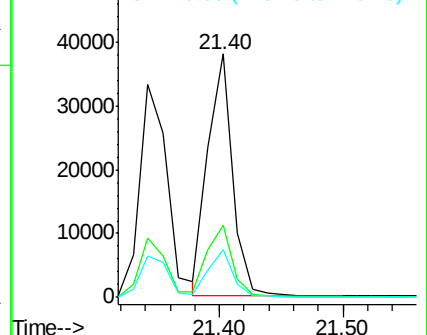
228 100

226 29.5 23.6 35.4

229 19.8 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: 0.308 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

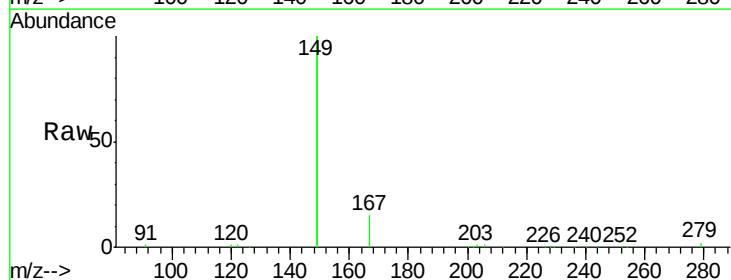
Tgt Ion:149 Resp: 49796

Ion Ratio Lower Upper

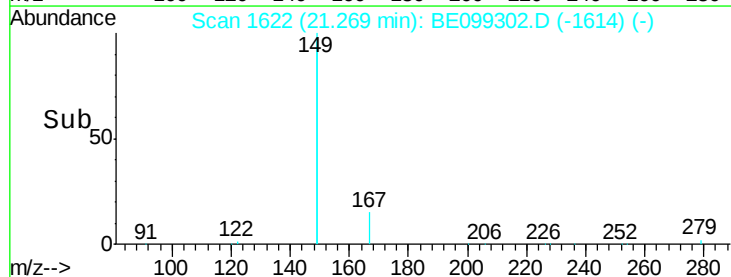
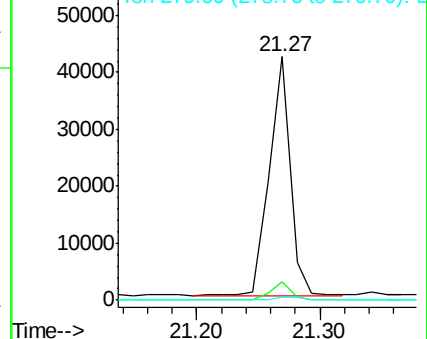
149 100

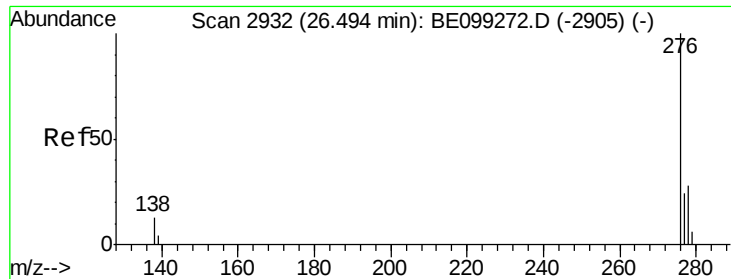
167 7.2 5.8 8.6

279 1.3 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

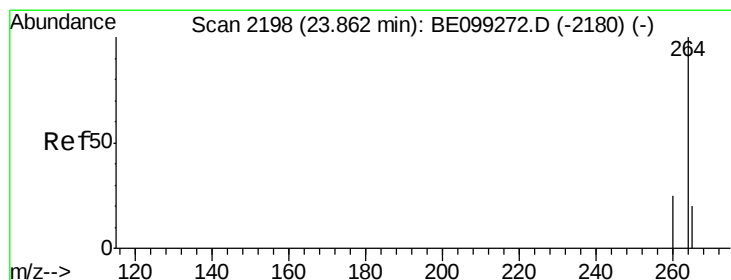
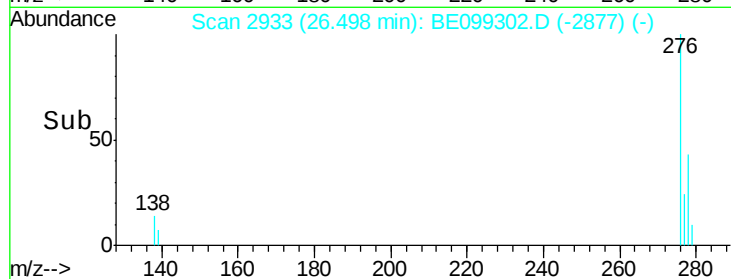
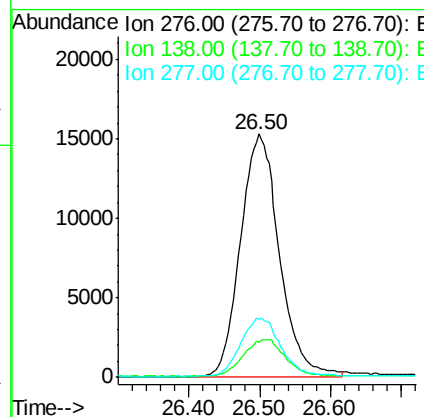
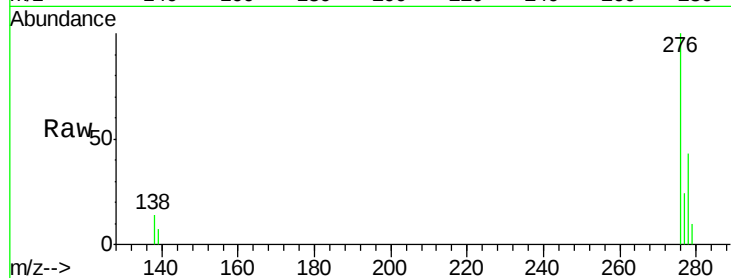




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.412 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. 0.00 min
 Lab File: BE099302.D
 Acq: 5 Apr 2019 10:18

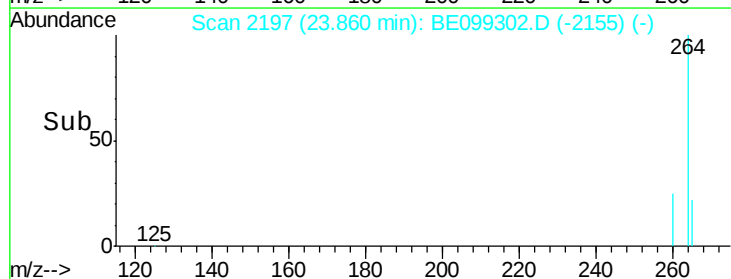
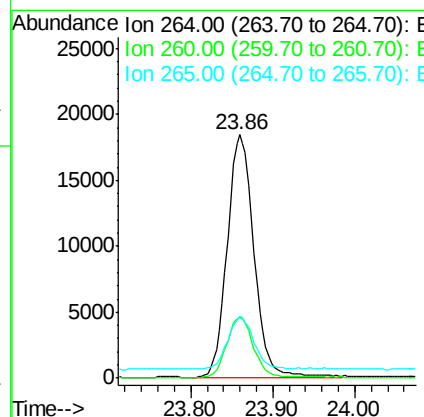
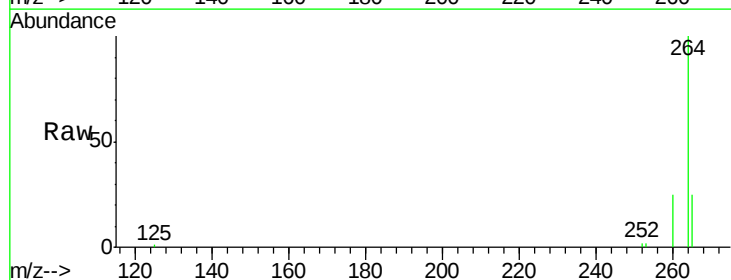
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

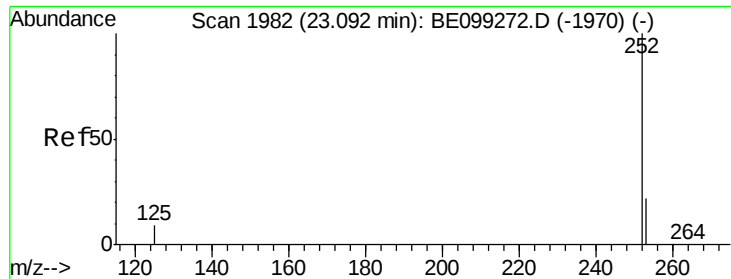
Tgt Ion: 276 Resp: 58461
 Ion Ratio Lower Upper
 276 100
 138 16.6 13.3 19.9
 277 24.8 19.8 29.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: BE099302.D
 Acq: 5 Apr 2019 10:18

Tgt Ion: 264 Resp: 41557
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.9 29.9
 265 25.4 20.3 30.5





#35

Benzo(b)fluoranthene

Concen: 0.420 ng

RT: 23.09 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

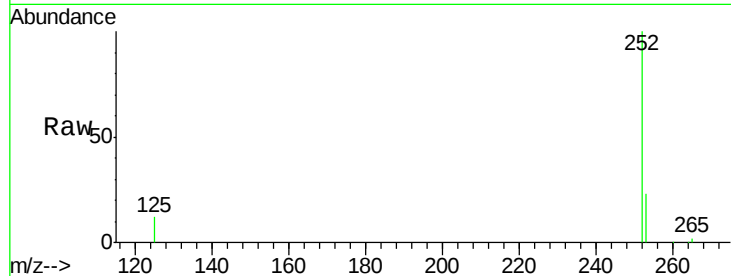
Tgt Ion:252 Resp: 52095

Ion Ratio Lower Upper

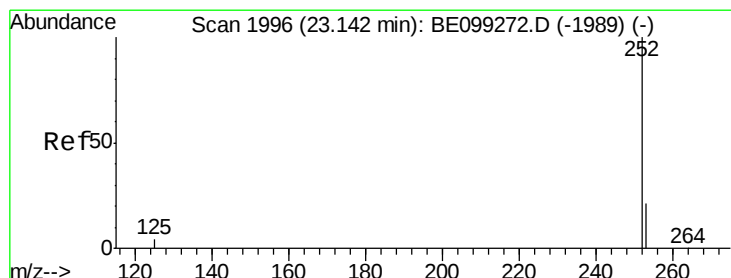
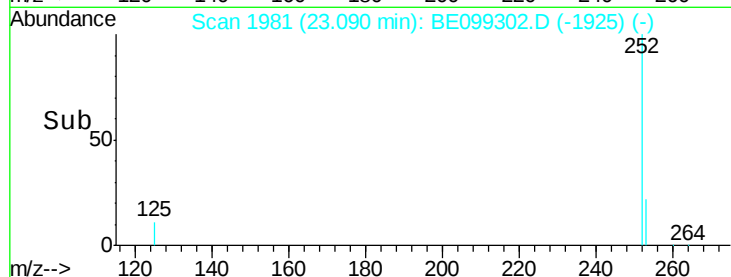
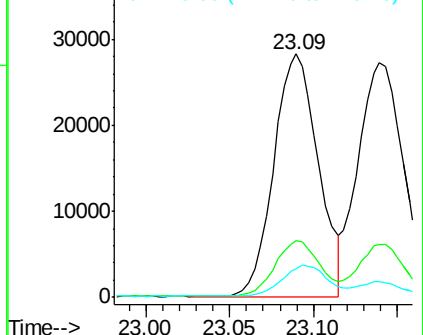
252 100

253 23.1 18.5 27.7

125 11.8 9.4 14.2



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: 0.429 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

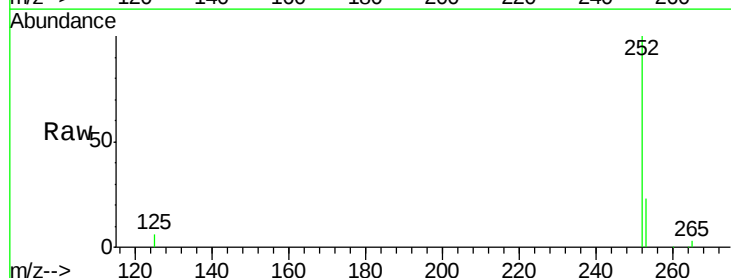
Tgt Ion:252 Resp: 51827

Ion Ratio Lower Upper

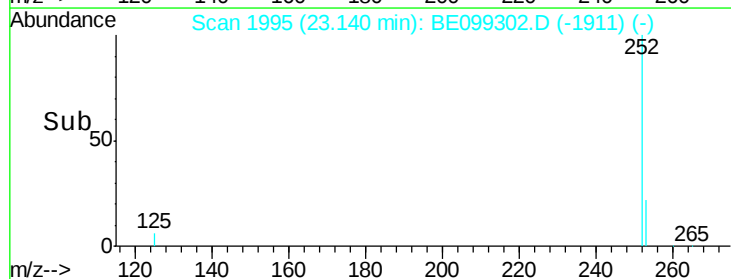
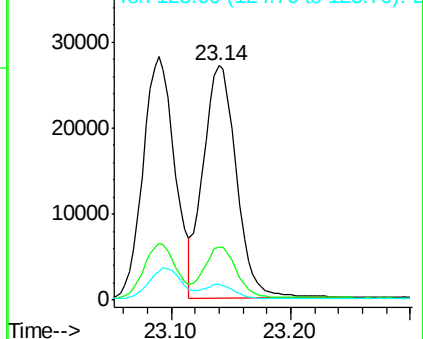
252 100

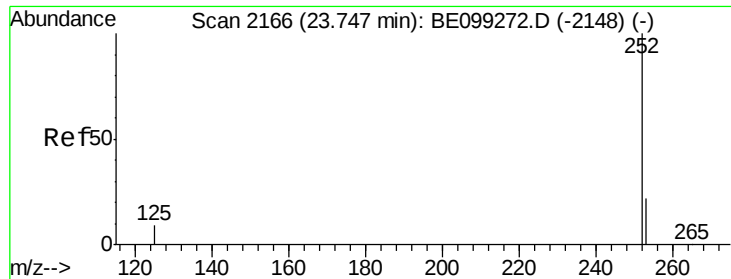
253 22.5 18.0 27.0

125 6.5 5.2 7.8



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: 0.410 ng

RT: 23.75 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

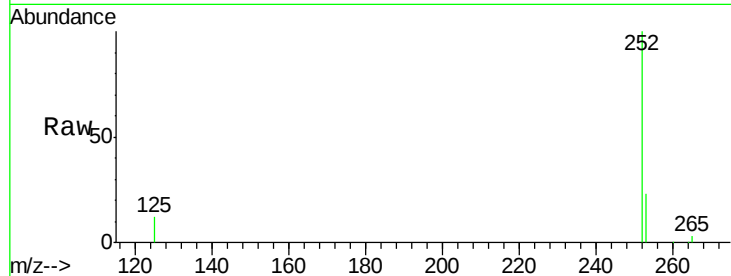
Tgt Ion:252 Resp: 47734

Ion Ratio Lower Upper

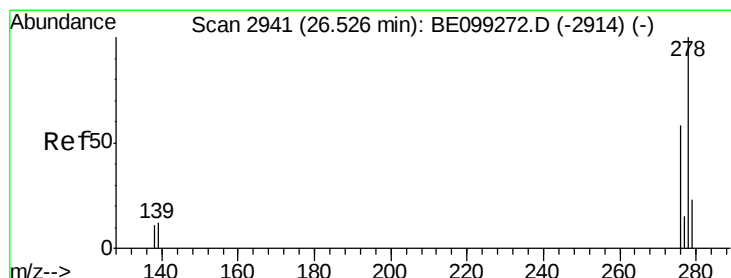
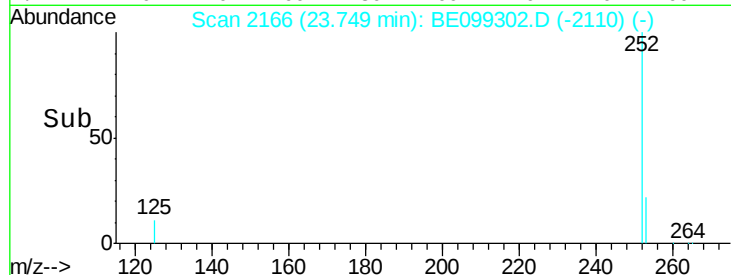
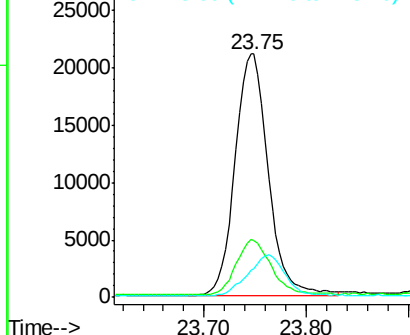
252 100

253 23.3 18.6 28.0

125 11.9 9.5 14.3



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: 0.420 ng

RT: 26.52 min Scan# 2940

Delta R.T. 0.00 min

Lab File: BE099302.D

Acq: 5 Apr 2019 10:18

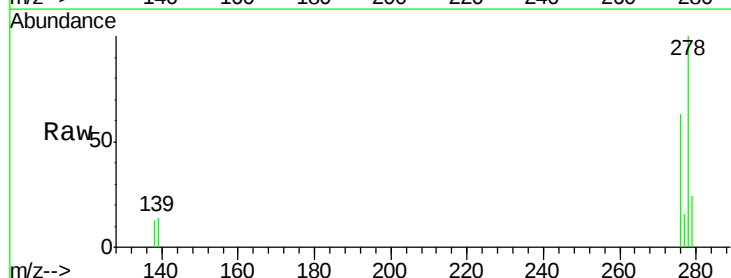
Tgt Ion:278 Resp: 48727

Ion Ratio Lower Upper

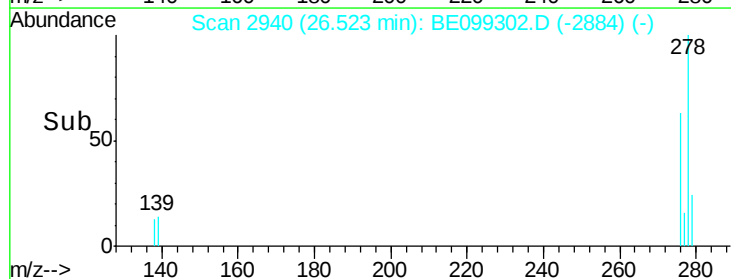
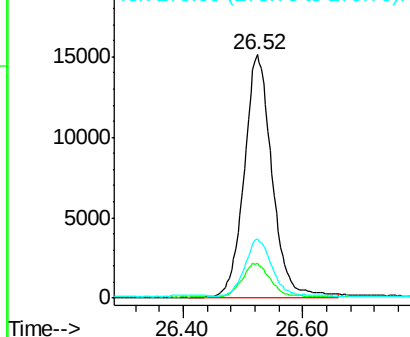
278 100

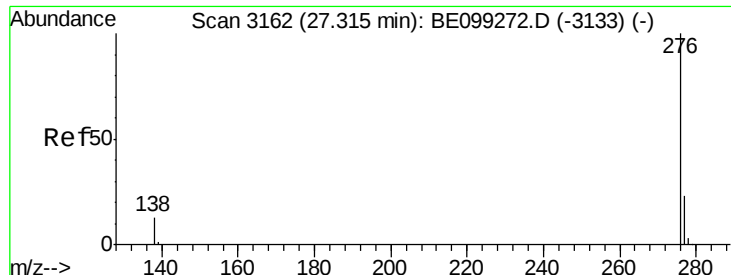
139 14.1 11.3 16.9

279 24.3 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.414 ng

RT: 27.31 min Scan# 3161

Delta R.T. 0.00 min

Lab File: BE099302.D

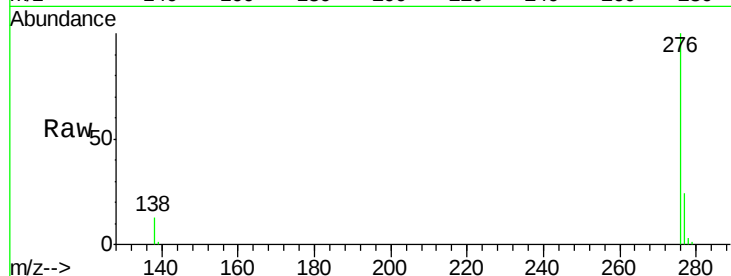
Acq: 5 Apr 2019 10:18

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



Tgt Ion: 276 Resp: 47850

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 13.4 10.7 16.1

