

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061319\
 Data File : BE099982.D
 Acq On : 13 Jun 2019 10:34
 Operator : JU/SJ
 Sample : PB120466BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120466BS

Quant Time: Jun 14 03:23:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	864	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3079	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2160	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	7088	0.40	ng	0.00
27) Chrysene-d12	21.39	240	11061	0.40	ng	-0.01
34) Perylene-d12	23.93	264	12193	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	791	0.34	ng	0.00
5) Phenol-d6	6.96	99	954	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	918	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2517	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	347	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	2758	0.34	ng	-0.01
25) Fluoranthene-d10	19.25	212	35113	0.34	ng	0.00
29) Terphenyl-d14	19.84	244	7480	0.38	ng	0.00

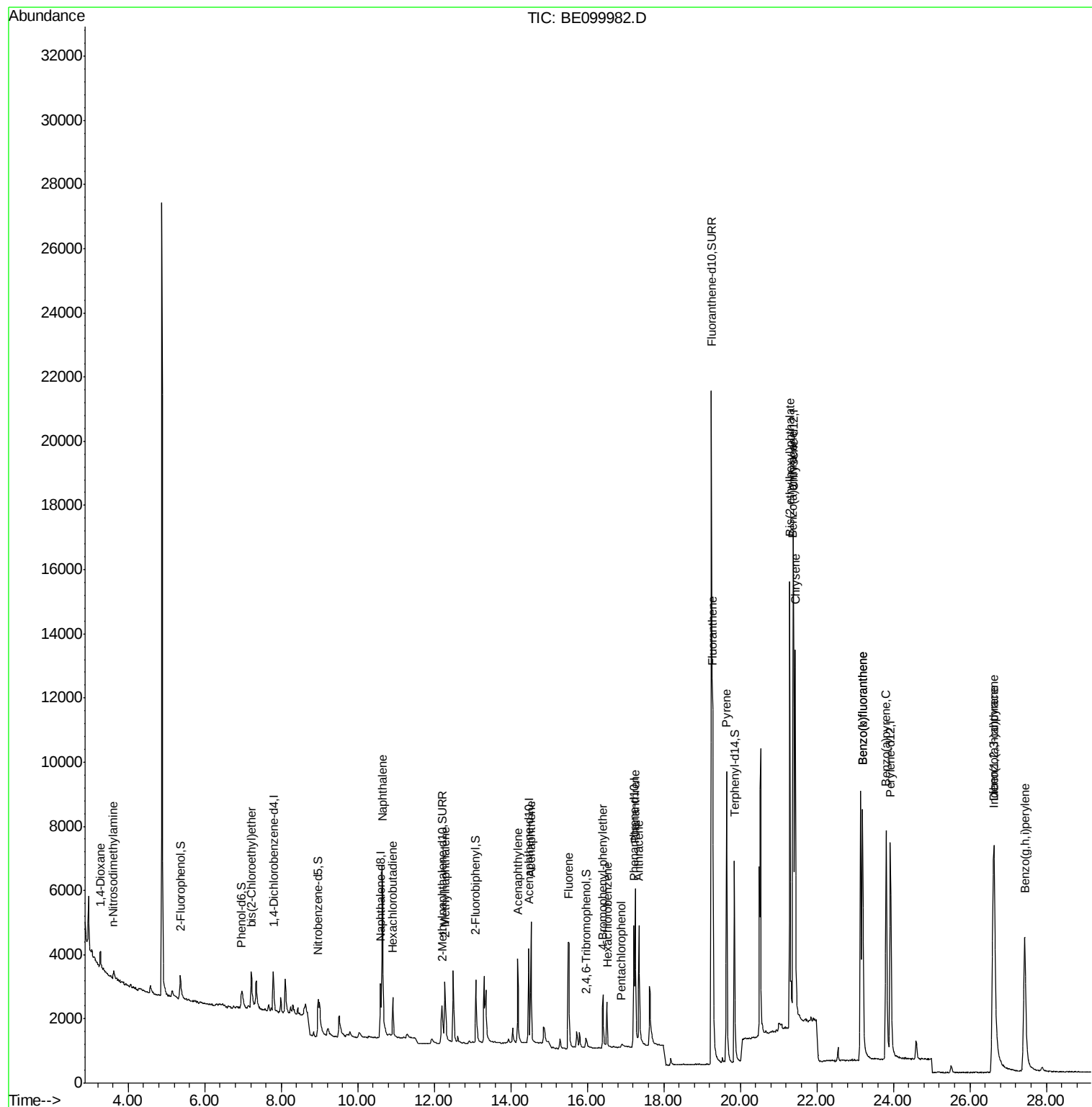
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	413	0.323	ng	# 73
3) n-Nitrosodimethylamine	3.61	42	188	0.255	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	786	0.320	ng	99
9) Naphthalene	10.64	128	11622	0.350	ng	99
10) Hexachlorobutadiene	10.91	225	932	0.368	ng	97
12) 2-Methylnaphthalene	12.28	142	1870	0.346	ng	98
16) Acenaphthylene	14.18	152	3570	0.332	ng	99
17) Acenaphthene	14.53	154	1940	0.331	ng	97
18) Fluorene	15.52	166	2953	0.336	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	1350	0.336	ng	99
21) Hexachlorobenzene	16.52	284	1399	0.341	ng	96
22) Pentachlorophenol	16.89	266	182	0.392	ng	98
23) Phenanthrene	17.26	178	5886	0.342	ng	100
24) Anthracene	17.35	178	5139	0.326	ng	99
26) Fluoranthene	19.28	202	10315	0.353	ng	99
28) Pyrene	19.64	202	11174	0.385	ng	100
30) Benzo(a)anthracene	21.38	228	13417	0.406	ng	100
31) Chrysene	21.44	228	12744	0.373	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	15280	0.322	ng	99
33) Indeno(1,2,3-cd)pyrene	26.61	276	15629	0.386	ng	98
35) Benzo(b)fluoranthene	23.19	252	14144	0.414	ng	99
36) Benzo(k)fluoranthene	23.19	252	14292	0.400	ng	100
37) Benzo(a)pyrene	23.81	252	13077	0.389	ng	# 92
38) Dibenzo(a,h)anthracene	26.64	278	12576	0.371	ng	# 98
39) Benzo(g,h,i)perylene	27.43	276	13599	0.388	ng	98

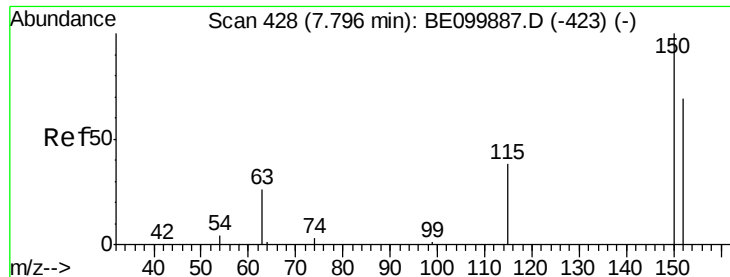
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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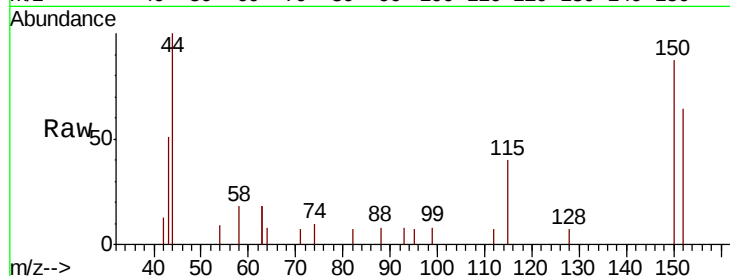


#1

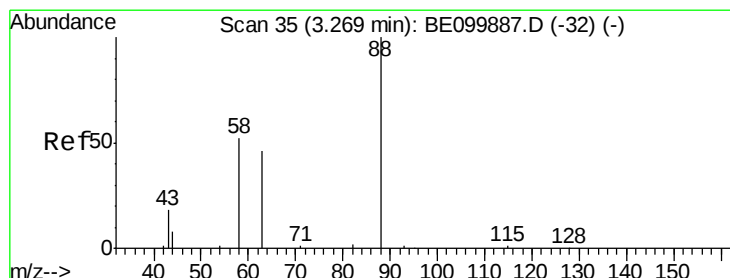
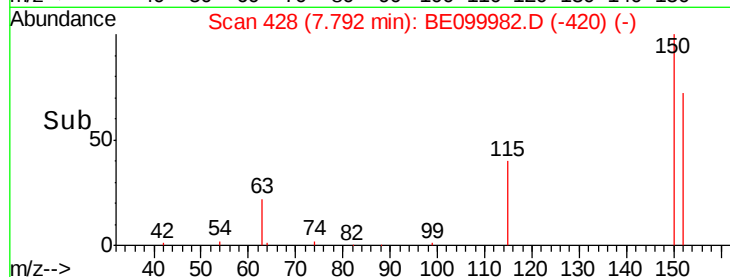
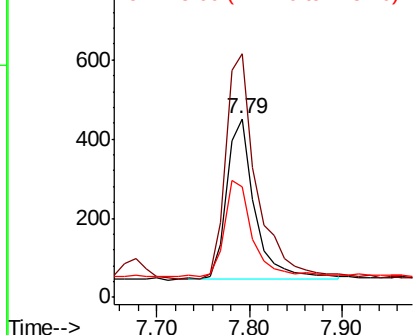
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.79 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BE099982.D
 Acq: 13 Jun 2019 10:34

Instrument :
 BNA_E
 ClientSampleId :
 PB120466BS

Tgt Ion: 152 Resp: 864
 Ion Ratio Lower Upper
 152 100
 150 136.1 111.0 166.6
 115 61.7 50.7 76.1



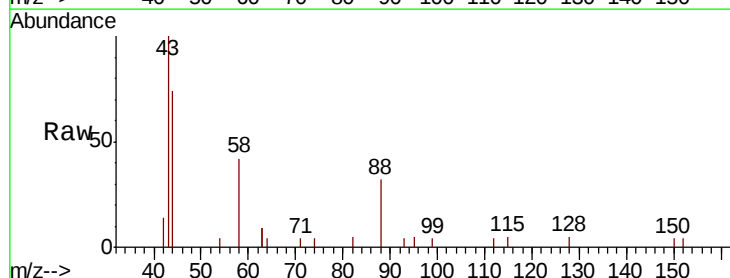
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



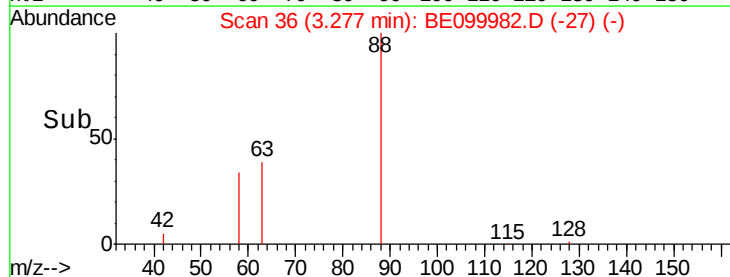
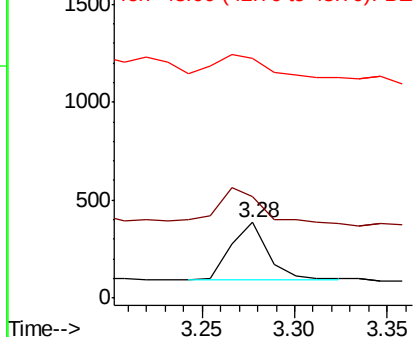
#2

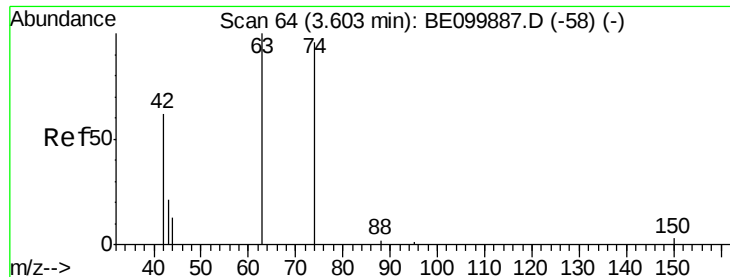
1,4-Dioxane
 Concen: 0.323 ng
 RT: 3.28 min Scan# 36
 Delta R.T. 0.01 min
 Lab File: BE099982.D
 Acq: 13 Jun 2019 10:34

Tgt Ion: 88 Resp: 413
 Ion Ratio Lower Upper
 88 100
 58 72.6 48.8 73.2
 43 51.6 19.0 28.6#



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: 0.255 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

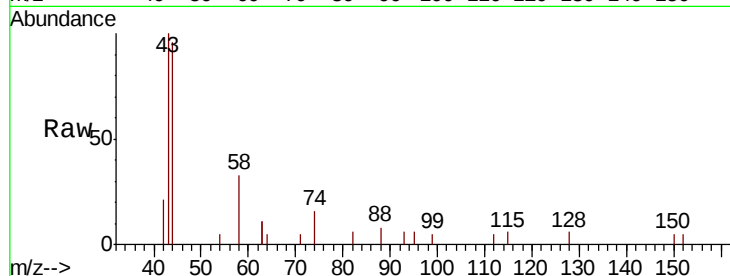
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

74 160.6 0.0 0.0#

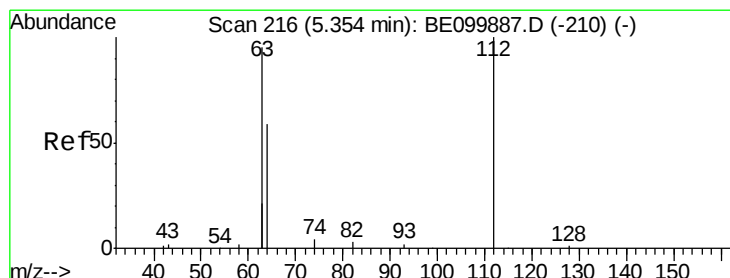
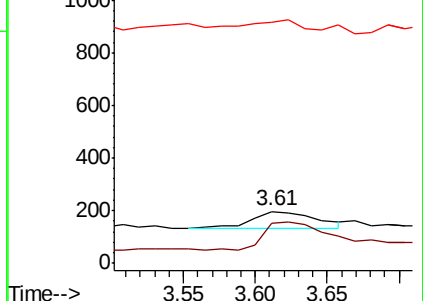
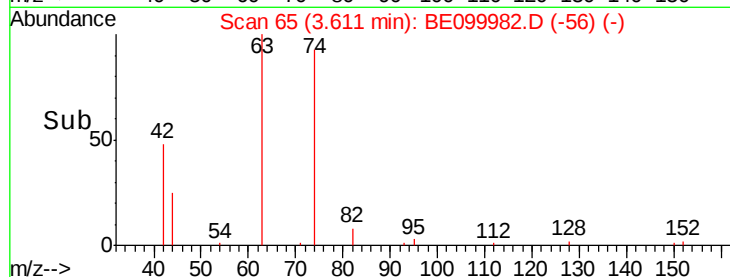
44 39.9 0.0 0.0#



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: 0.339 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

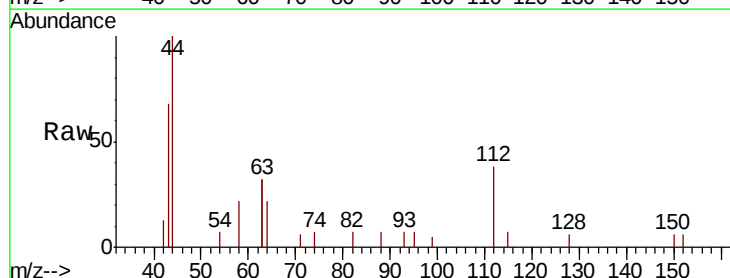
Tgt Ion: 112 Resp: 791

Ion Ratio Lower Upper

112 100

64 51.3 44.1 66.1

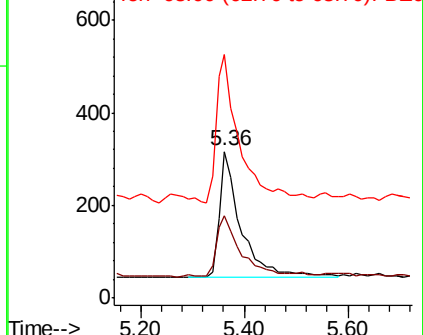
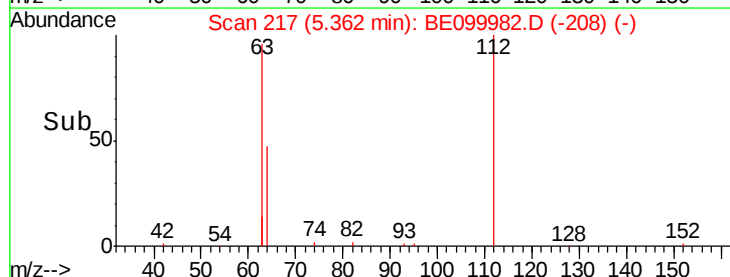
63 124.0 87.8 131.6

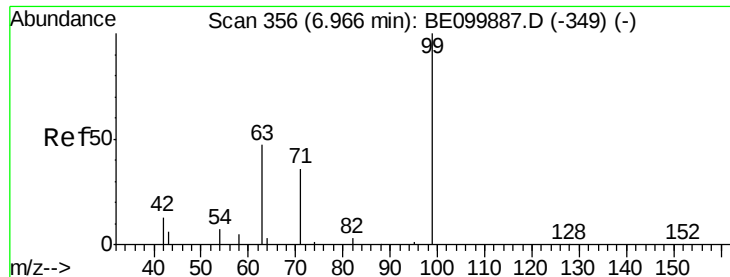


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.318 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

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PB120466BS

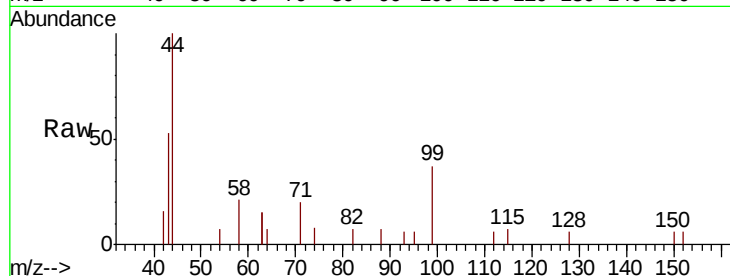
Tgt Ion: 99 Resp: 954

Ion Ratio Lower Upper

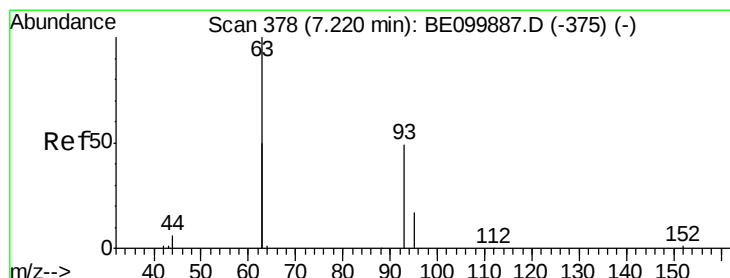
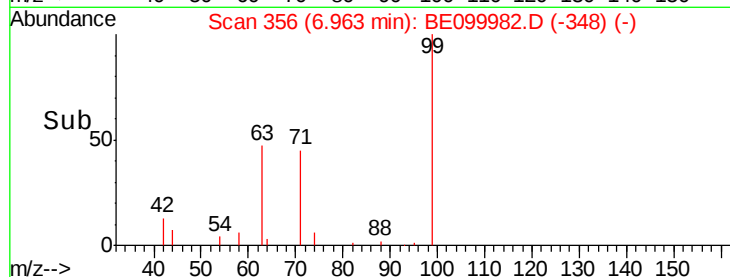
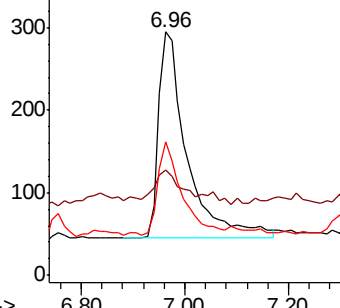
99 100

42 18.7 15.9 23.9

71 39.0 34.6 52.0



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: 0.320 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

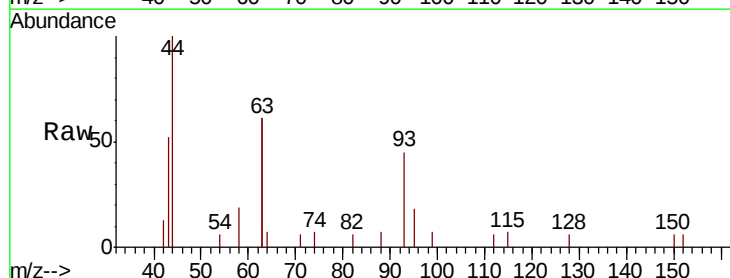
Tgt Ion: 93 Resp: 786

Ion Ratio Lower Upper

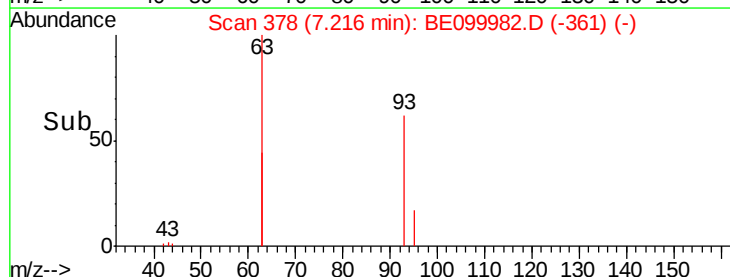
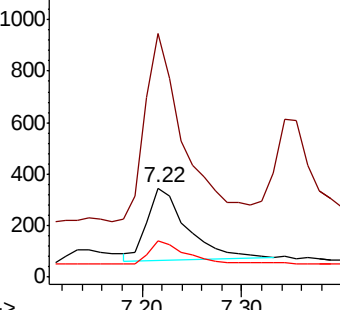
93 100

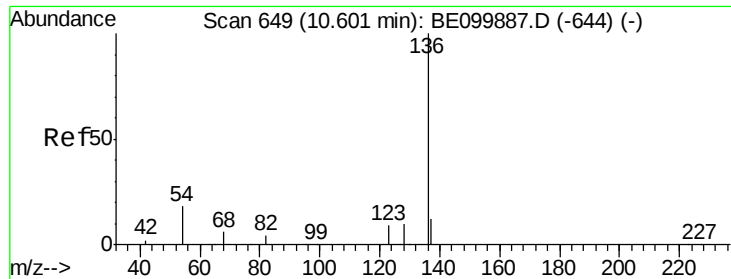
63 255.3 202.8 304.2

95 30.8 23.7 35.5



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: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

Tgt Ion:136 Resp: 3079

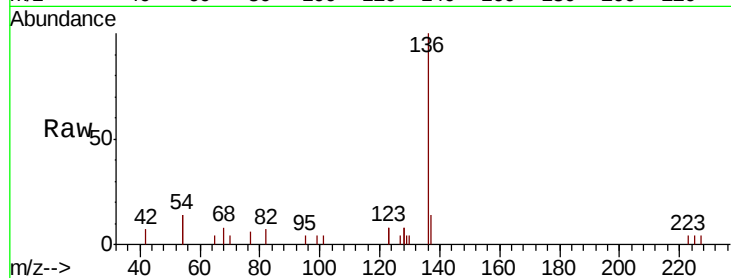
Ion Ratio Lower Upper

136 100

137 14.2 12.3 18.5

54 28.5 28.2 42.4

68 7.8 7.8 11.8#

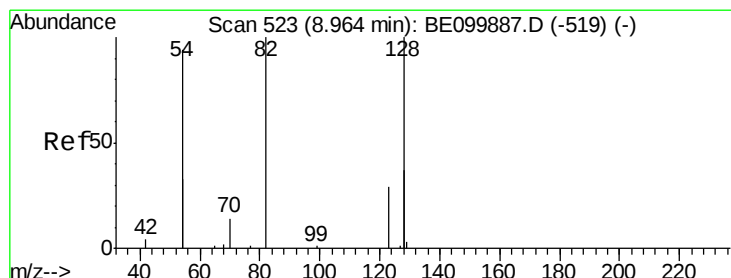
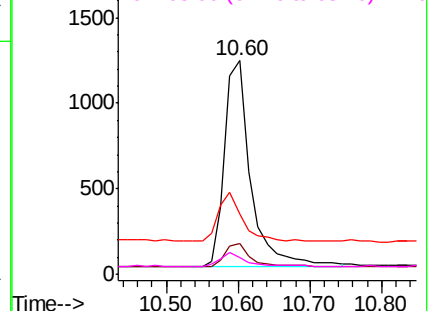
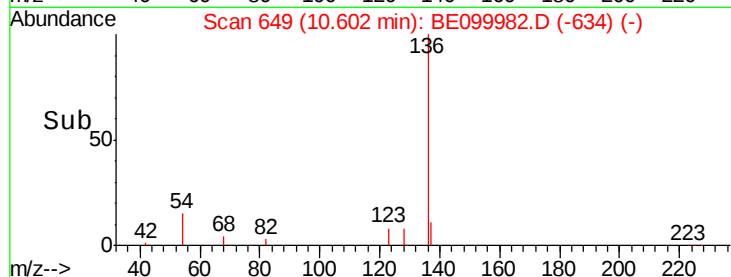


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.315 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

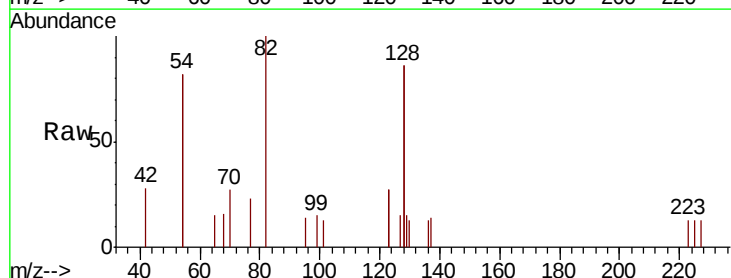
Tgt Ion: 82 Resp: 918

Ion Ratio Lower Upper

82 100

128 171.4 137.3 205.9

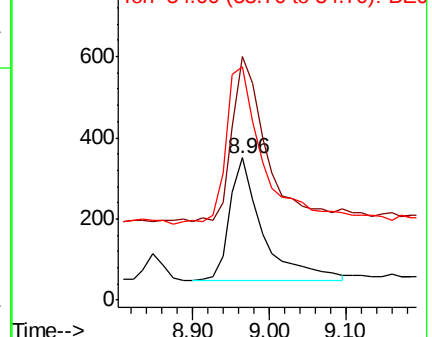
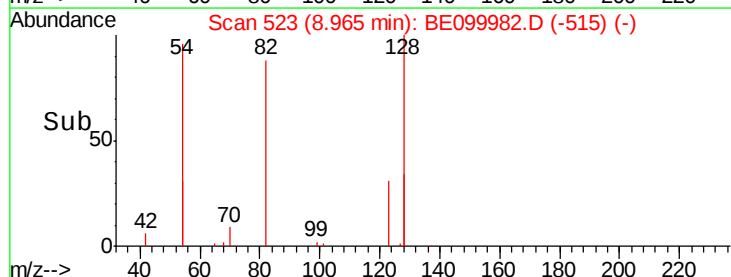
54 164.6 129.7 194.5

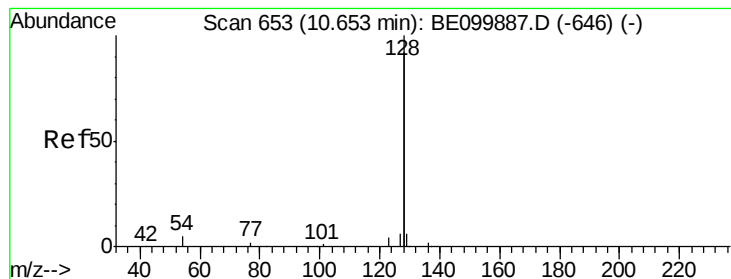


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.350 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

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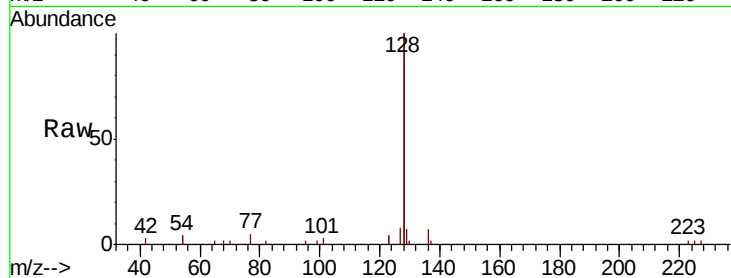
Tgt Ion:128 Resp: 11622

Ion Ratio Lower Upper

128 100

129 3.3 3.0 4.6

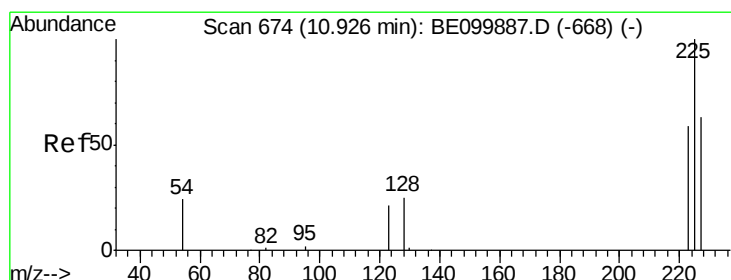
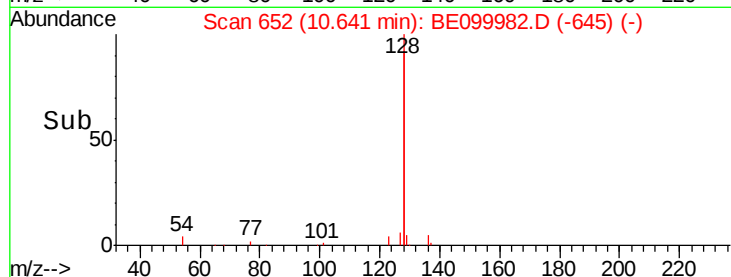
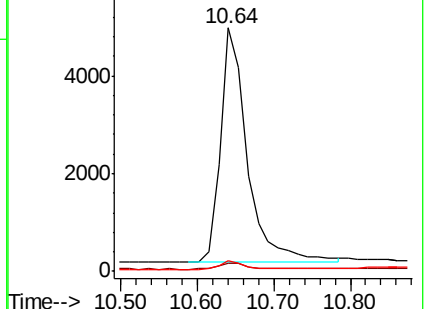
127 4.2 3.4 5.0



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



#10

Hexachlorobutadiene

Concen: 0.368 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

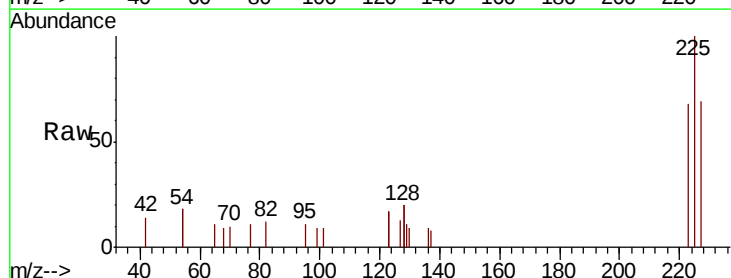
Tgt Ion:225 Resp: 932

Ion Ratio Lower Upper

225 100

223 65.0 51.6 77.4

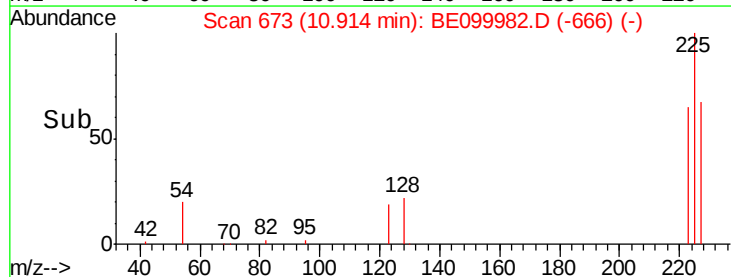
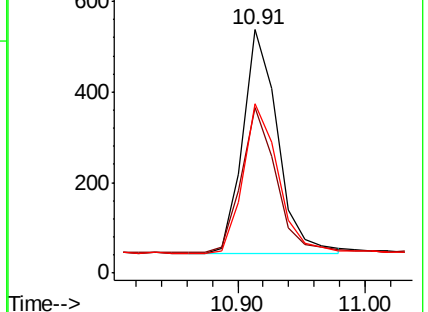
227 68.1 50.6 76.0

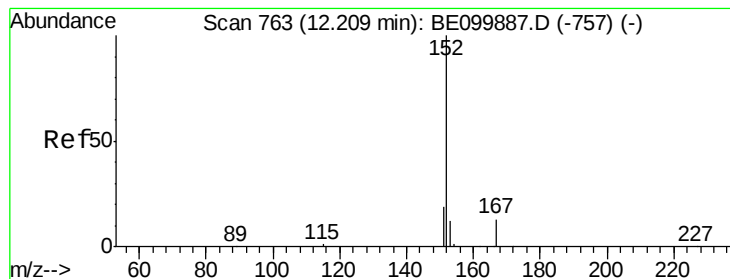


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.469 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

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BNA_E

ClientSampleId :

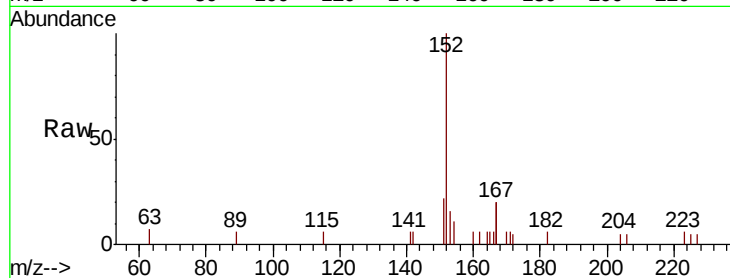
PB120466BS

Tgt Ion:152 Resp: 2517

Ion Ratio Lower Upper

152 100

151 14.4 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

800

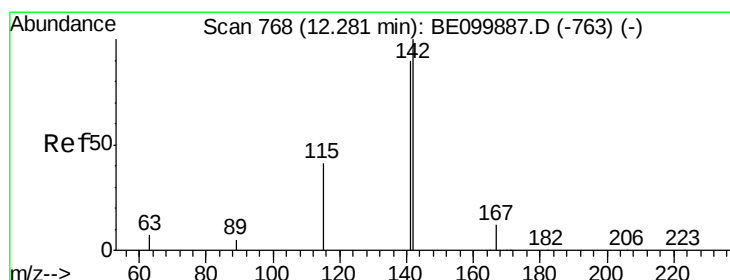
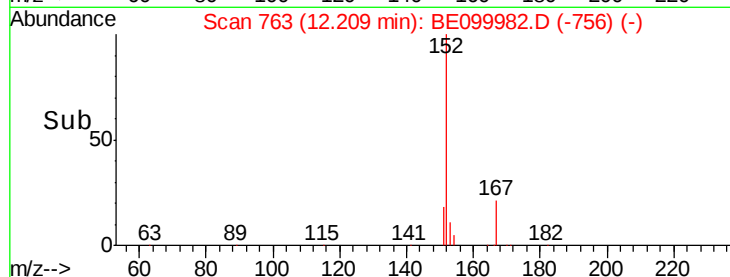
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.346 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

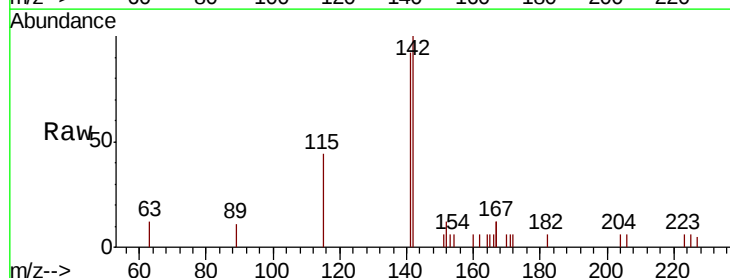
Tgt Ion:142 Resp: 1870

Ion Ratio Lower Upper

142 100

141 91.8 72.3 108.5

115 43.8 36.4 54.6



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

12.28

1000

800

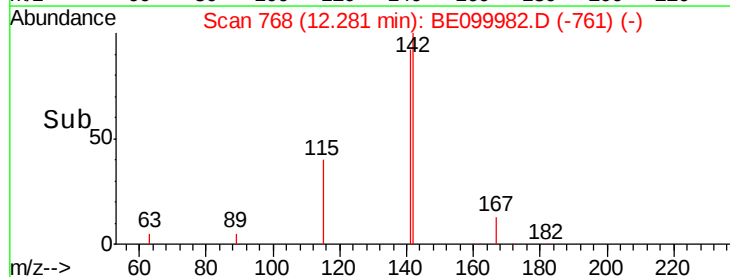
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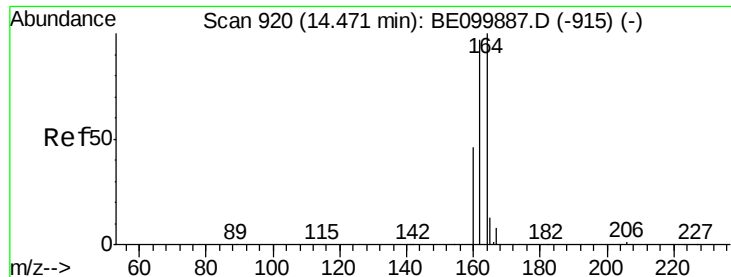
400

200

0

Time-->

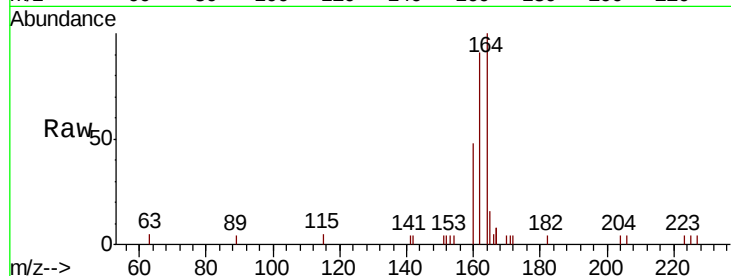




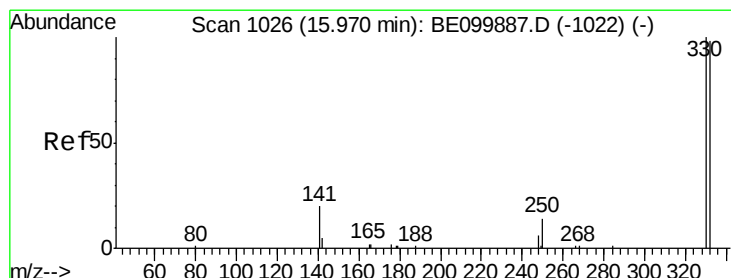
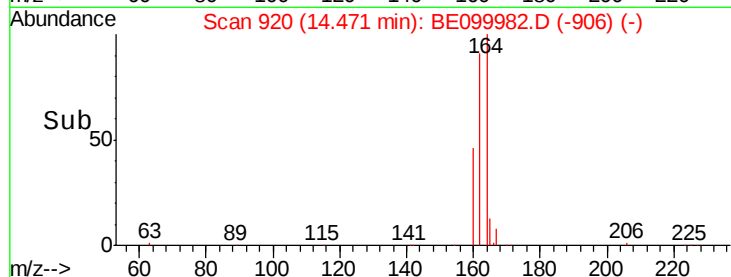
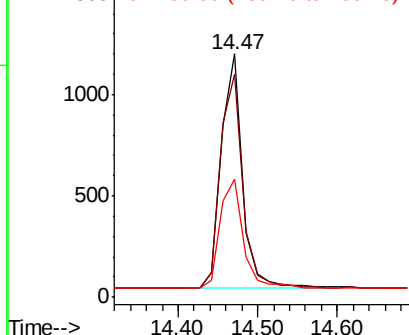
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE099982.D
Acq: 13 Jun 2019 10:34

Instrument :
BNA_E
ClientSampleId :
PB120466BS

Tgt Ion:164 Resp: 2160
Ion Ratio Lower Upper
164 100
162 91.4 77.8 116.8
160 48.4 38.2 57.4

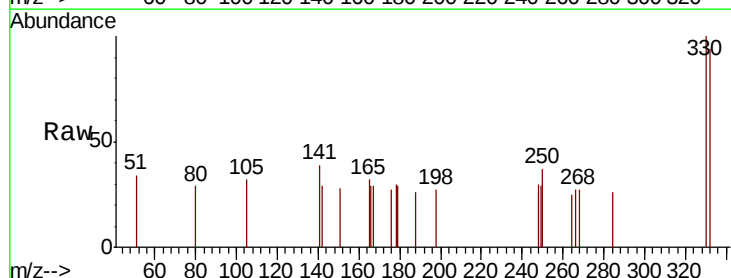


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

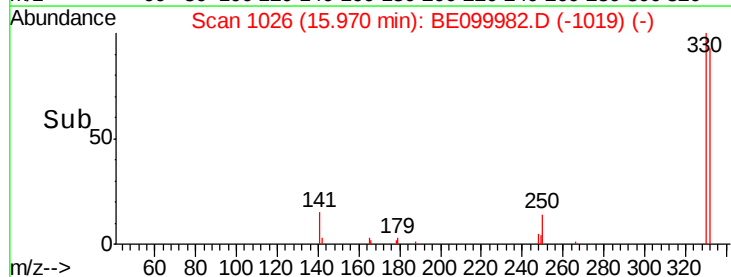
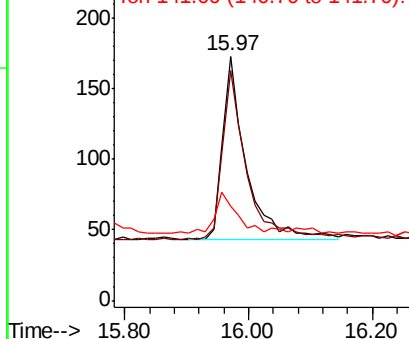


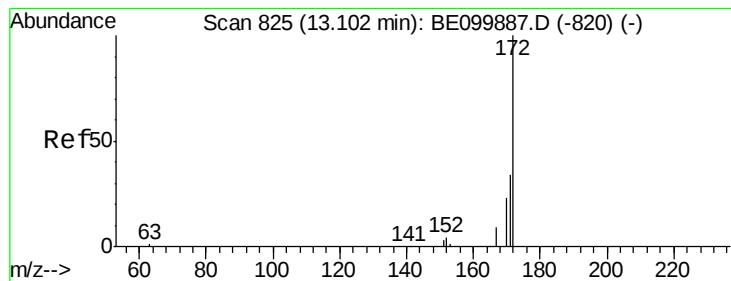
#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE099982.D
Acq: 13 Jun 2019 10:34

Tgt Ion:330 Resp: 347
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 20.5 21.0 31.6#



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: 0.337 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

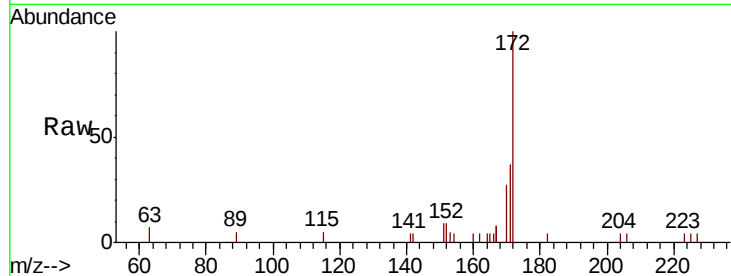
Tgt Ion:172 Resp: 2758

Ion Ratio Lower Upper

172 100

171 36.7 29.2 43.8

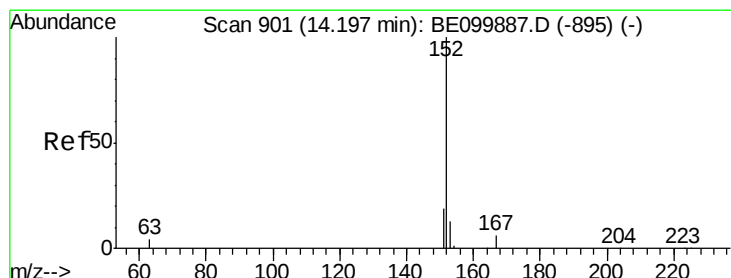
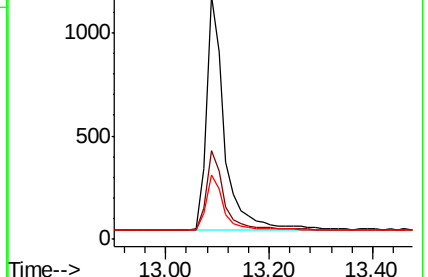
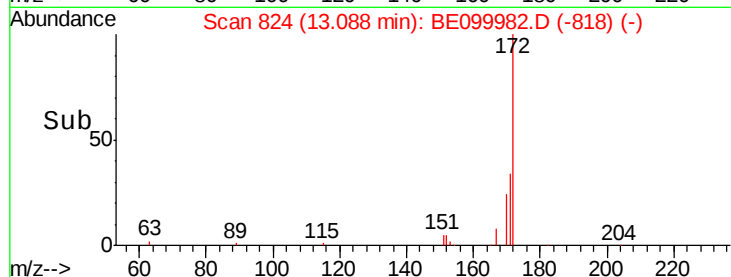
170 26.7 21.2 31.8



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: 0.332 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

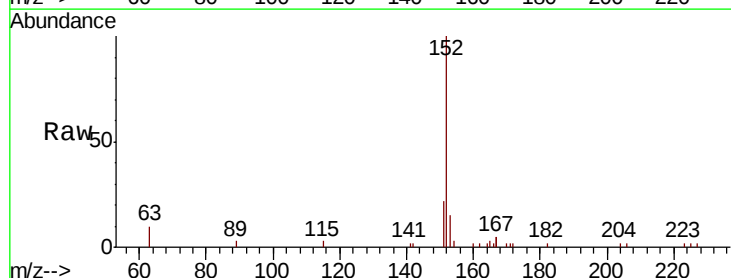
Tgt Ion:152 Resp: 3570

Ion Ratio Lower Upper

152 100

151 19.0 15.5 23.3

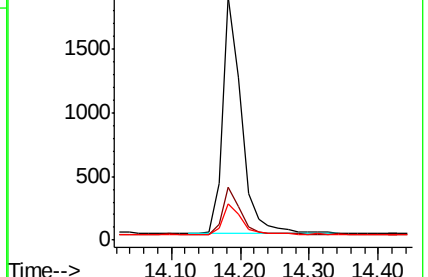
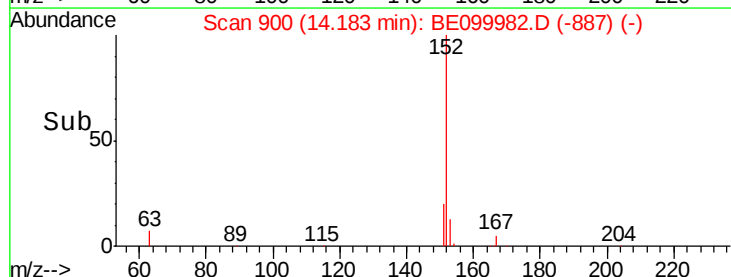
153 12.6 10.2 15.2

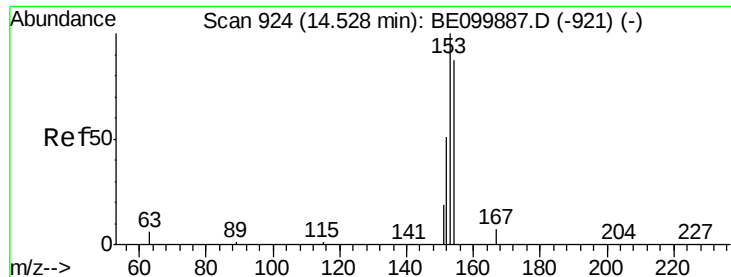


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

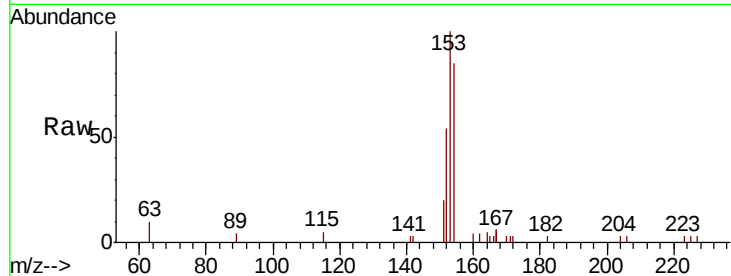




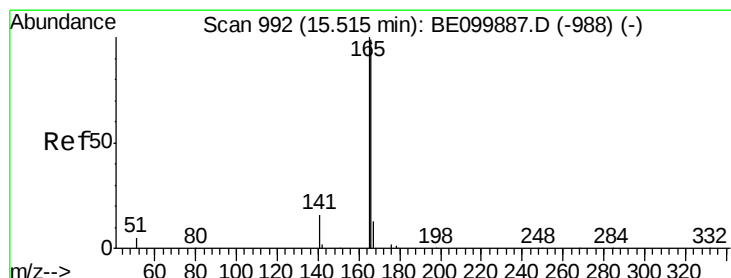
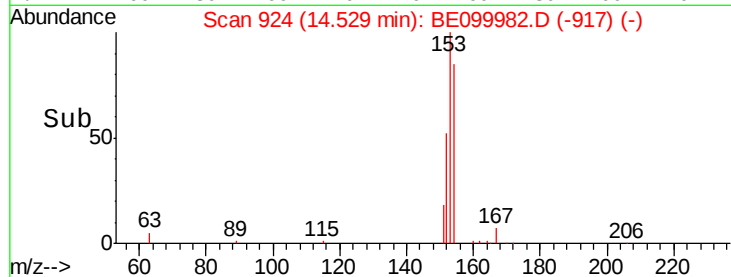
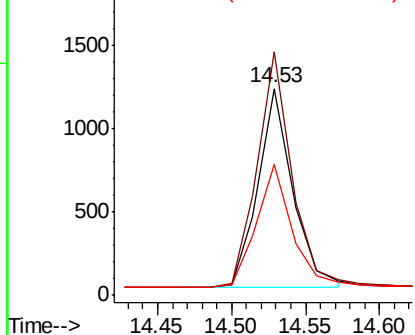
#17
Acenaphthene
Concen: 0.331 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE099982.D
Acq: 13 Jun 2019 10:34

Instrument :
BNA_E
ClientSampleId :
PB120466BS

Tgt Ion:154 Resp: 1940
Ion Ratio Lower Upper
154 100
153 118.2 93.1 139.7
152 61.9 47.0 70.4

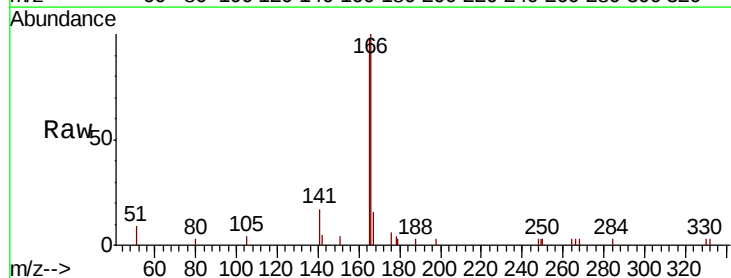


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

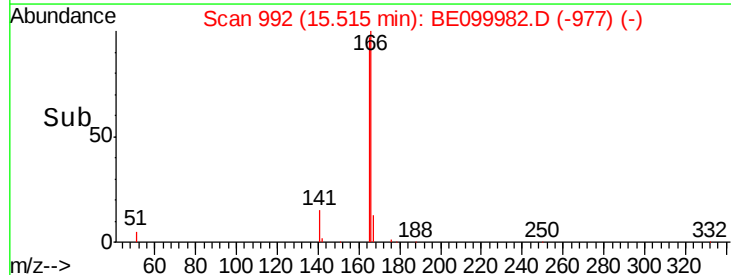
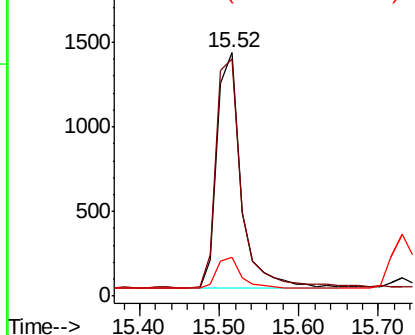


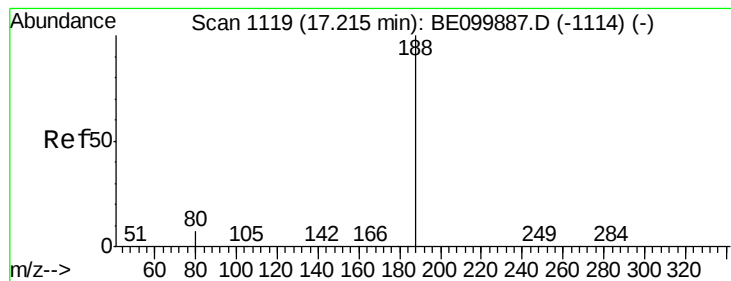
#18
Fluorene
Concen: 0.336 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099982.D
Acq: 13 Jun 2019 10:34

Tgt Ion:166 Resp: 2953
Ion Ratio Lower Upper
166 100
165 102.2 81.8 122.8
167 13.7 11.2 16.8



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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

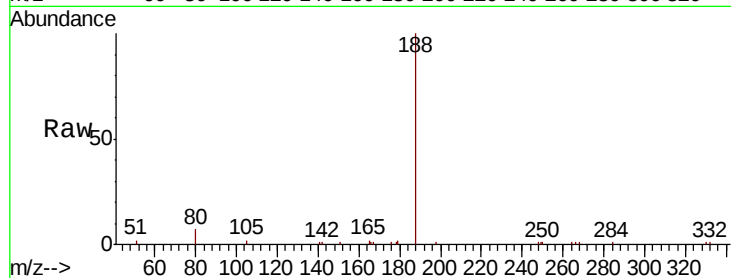
Tgt Ion:188 Resp: 7088

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

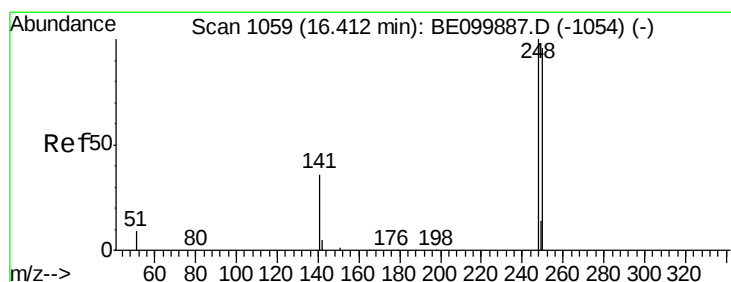
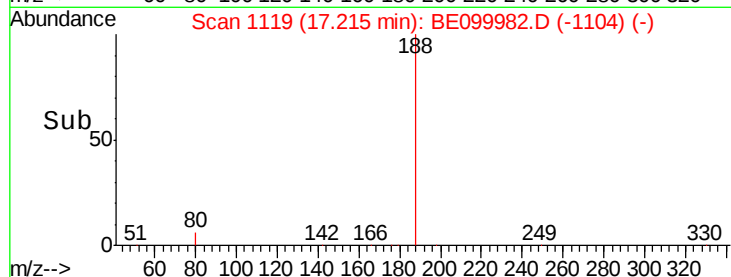
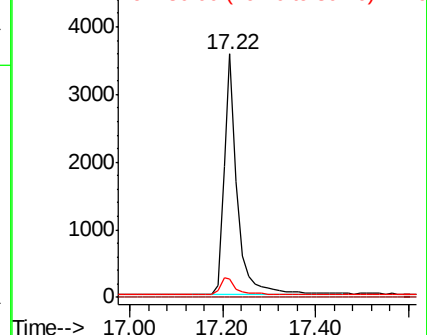
80 7.5 6.4 9.6



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: 0.336 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

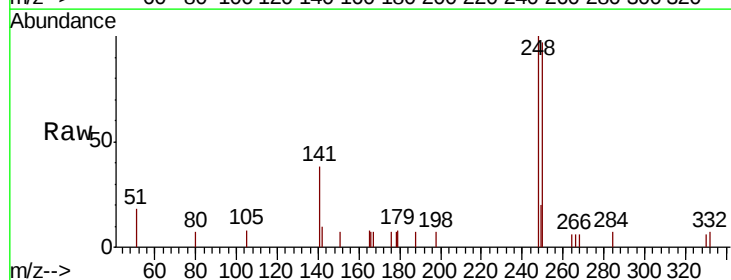
Tgt Ion:248 Resp: 1350

Ion Ratio Lower Upper

248 100

250 96.7 77.5 116.3

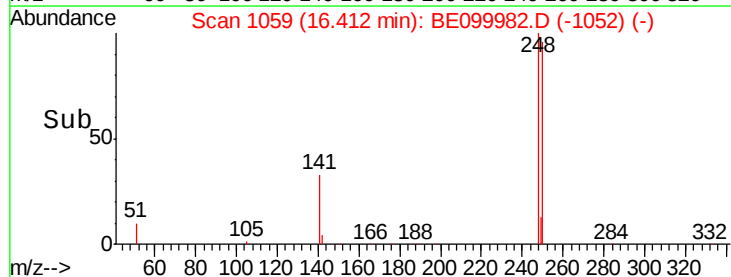
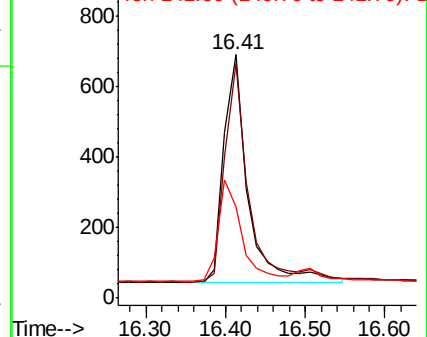
141 37.7 31.8 47.8

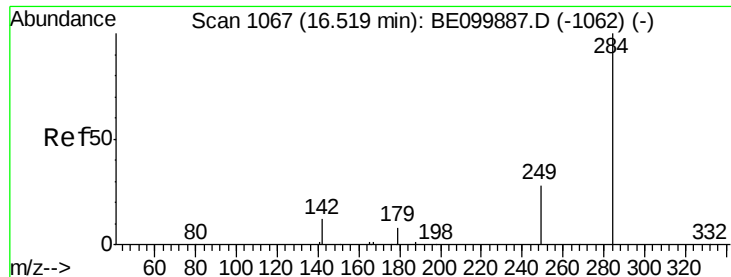


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

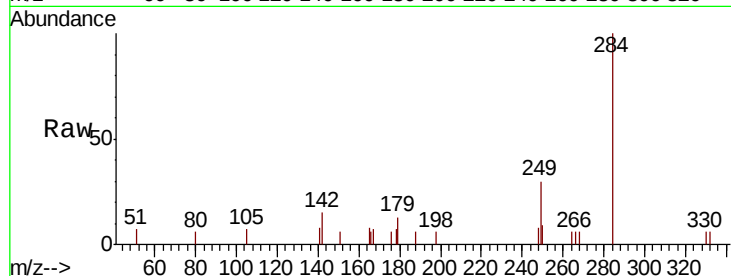




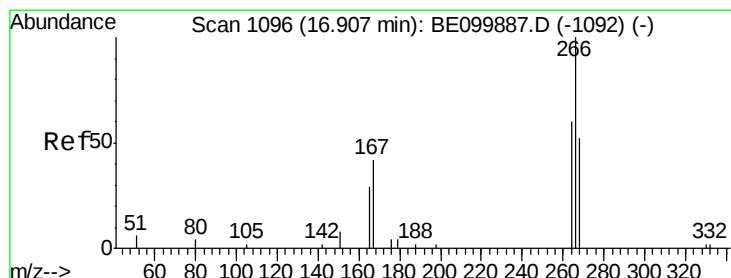
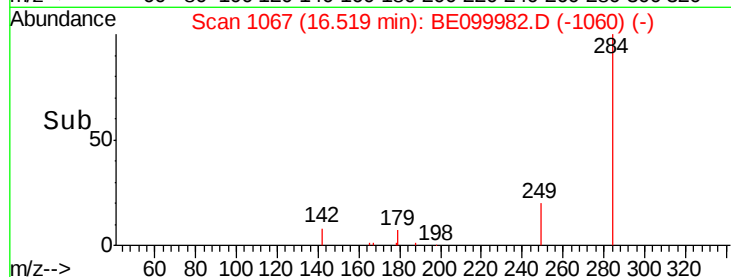
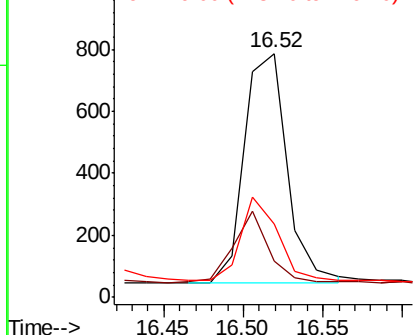
#21
Hexachlorobenzene
Concen: 0.341 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099882.D
Acq: 13 Jun 2019 10:34

Instrument :
BNA_E
ClientSampleId :
PB120466BS

Tgt Ion:284 Resp: 1399
Ion Ratio Lower Upper
284 100
142 26.1 18.2 27.4
249 31.6 24.6 37.0

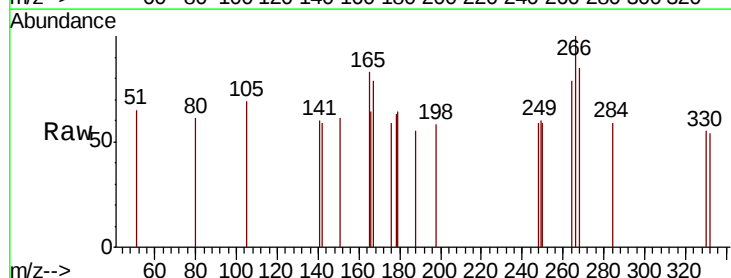


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

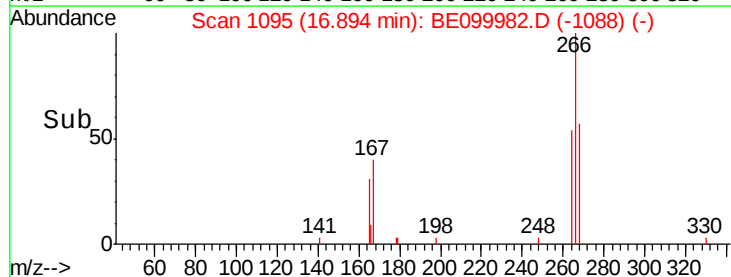
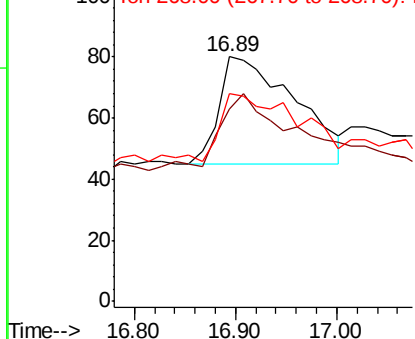


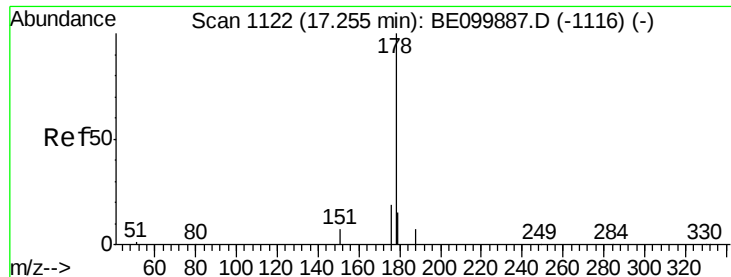
#22
Pentachlorophenol
Concen: 0.392 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BE099882.D
Acq: 13 Jun 2019 10:34

Tgt Ion:266 Resp: 182
Ion Ratio Lower Upper
266 100
264 78.8 62.2 93.2
268 85.0 65.5 98.3



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: 0.342 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

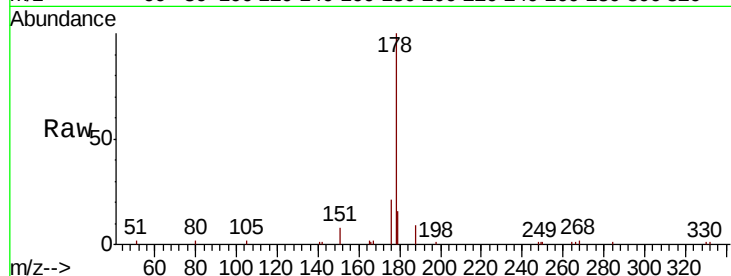
Tgt Ion:178 Resp: 5886

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

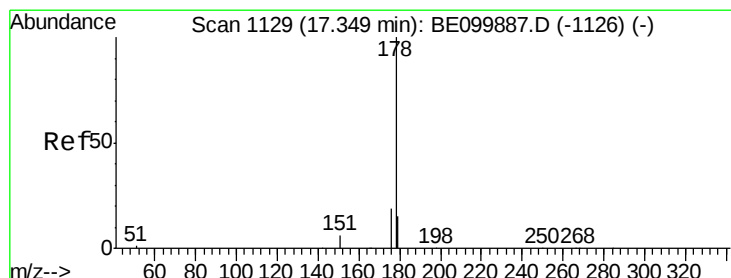
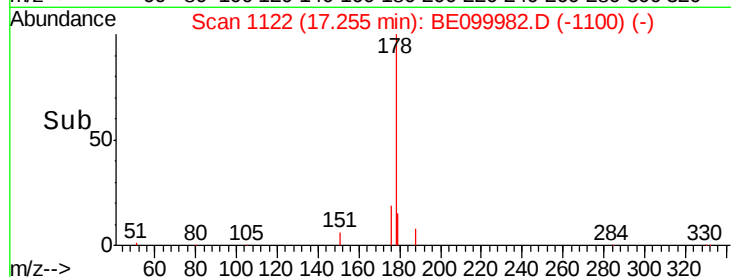
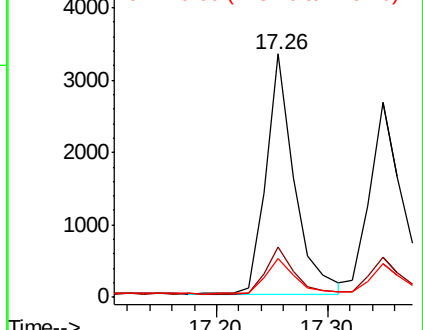
179 15.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.326 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

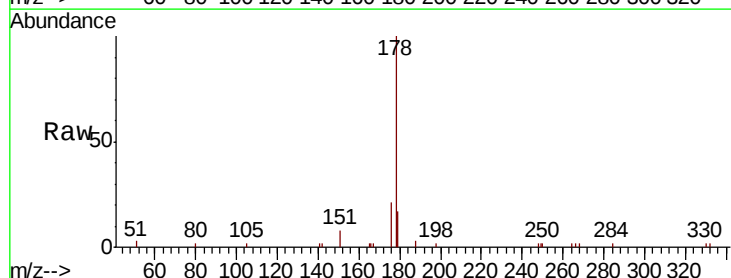
Tgt Ion:178 Resp: 5139

Ion Ratio Lower Upper

178 100

176 18.9 14.6 22.0

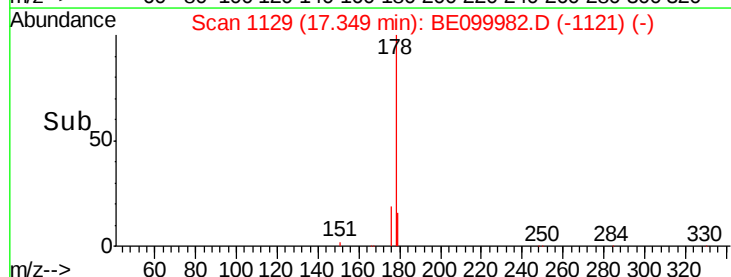
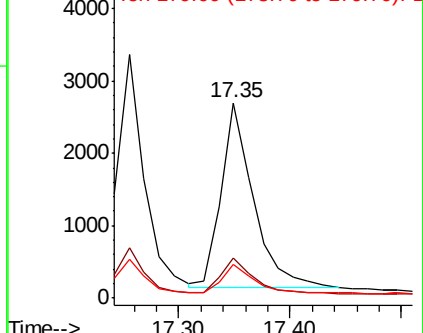
179 15.4 12.3 18.5

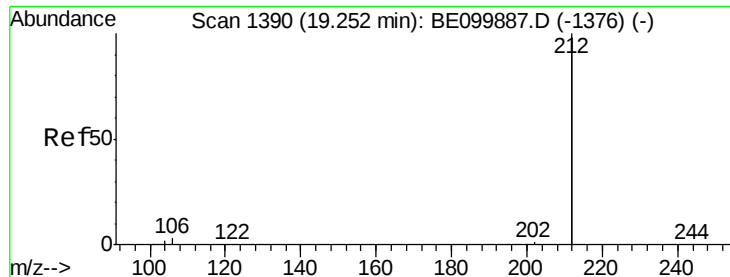


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

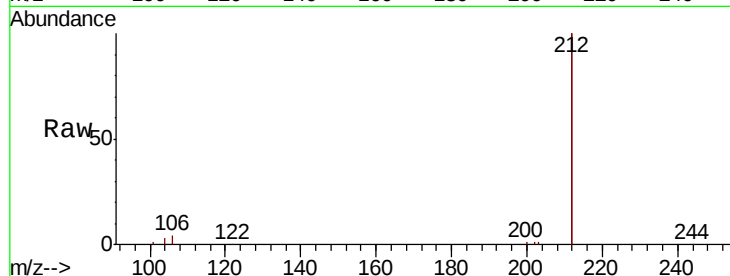
Tgt Ion:212 Resp: 35113

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

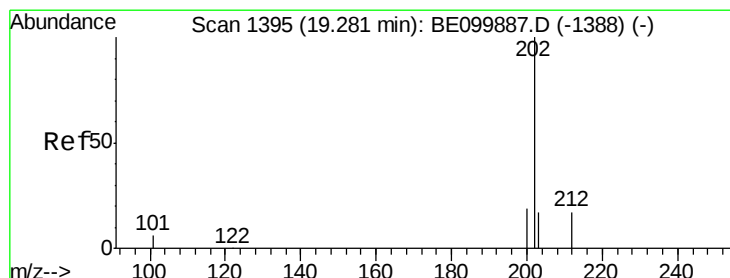
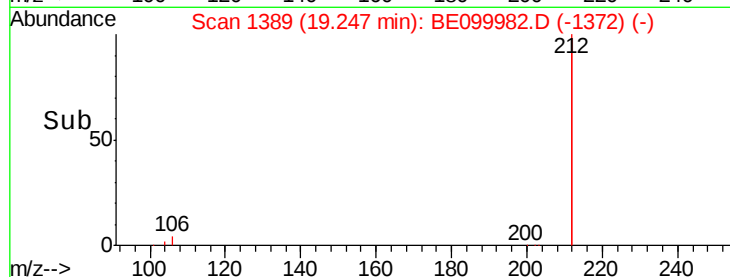
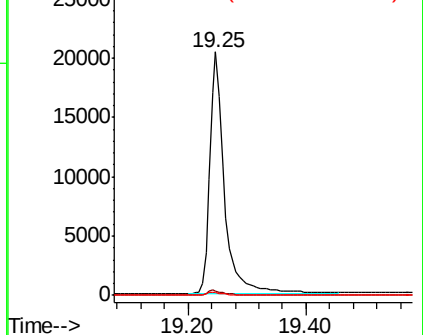
104 1.1 0.9 1.3



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: 0.353 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

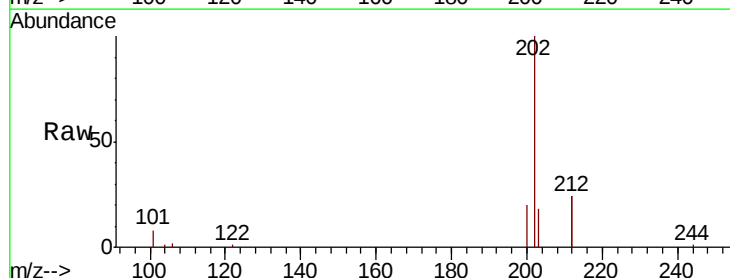
Tgt Ion:202 Resp: 10315

Ion Ratio Lower Upper

202 100

101 7.1 5.4 8.0

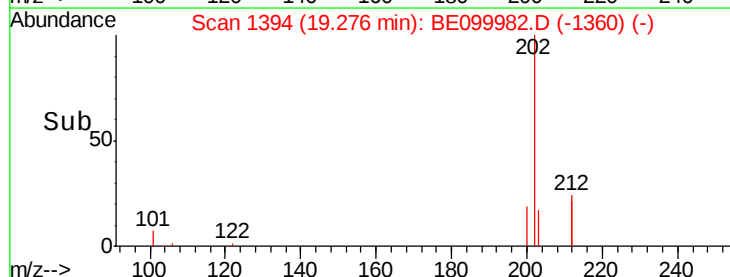
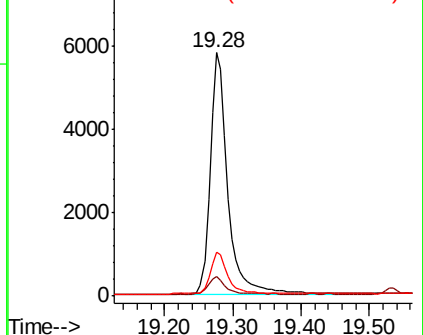
203 16.9 13.2 19.8

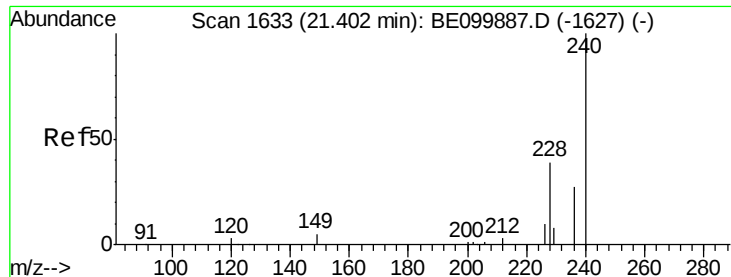


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

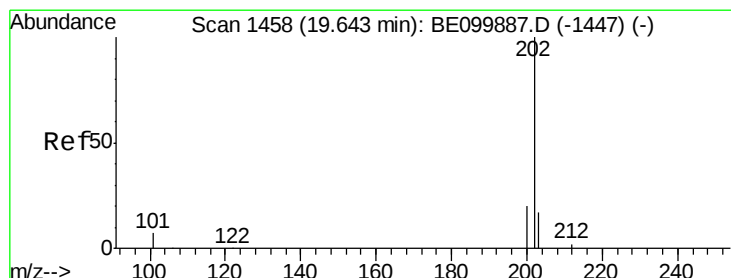
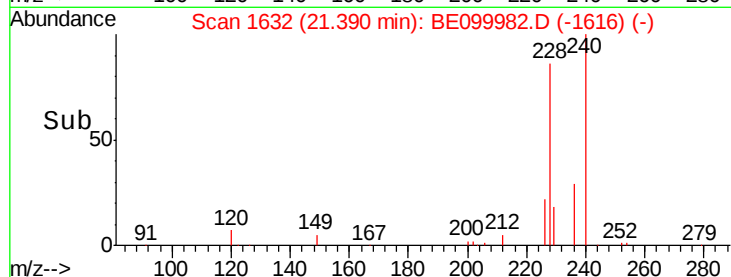
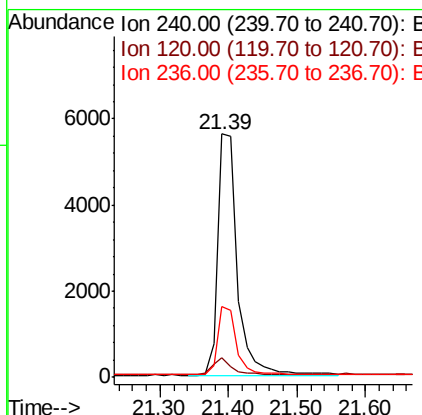
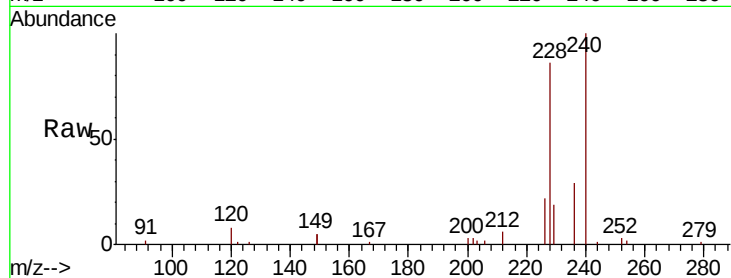




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099982.D
 Acq: 13 Jun 2019 10:34

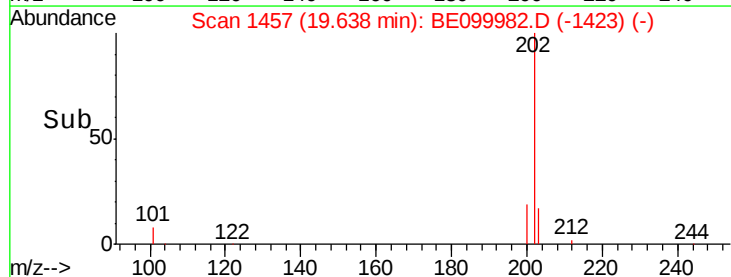
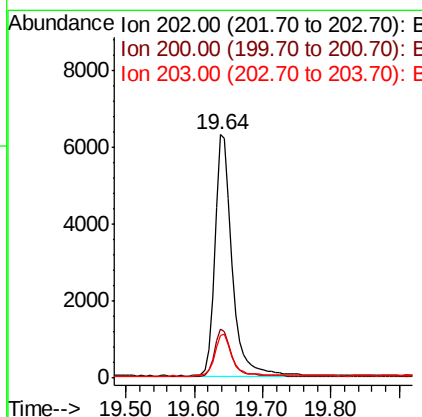
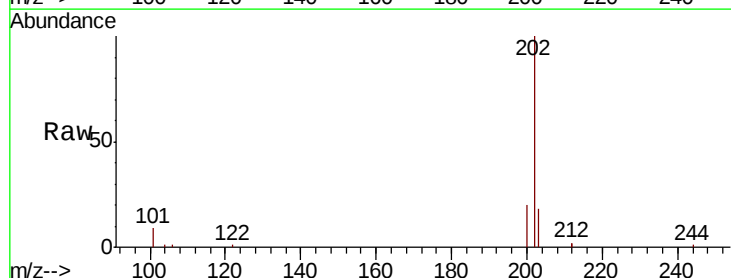
Instrument :
 BNA_E
 ClientSampleId :
 PB120466BS

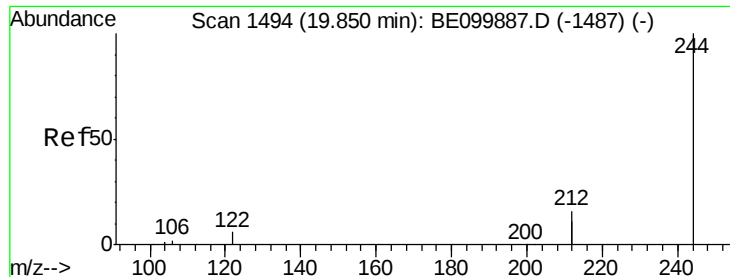
Tgt Ion: 240 Resp: 11061
 Ion Ratio Lower Upper
 240 100
 120 8.0 3.8 5.6#
 236 29.3 22.0 33.0



#28
 Pyrene
 Concen: 0.385 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BE099982.D
 Acq: 13 Jun 2019 10:34

Tgt Ion: 202 Resp: 11174
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.5 23.3
 203 17.9 14.0 21.0





#29

Terphenyl-d14

Concen: 0.376 ng

RT: 19.84 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

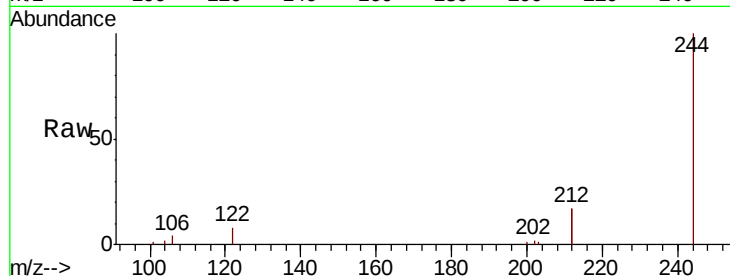
Tgt Ion:244 Resp: 7480

Ion Ratio Lower Upper

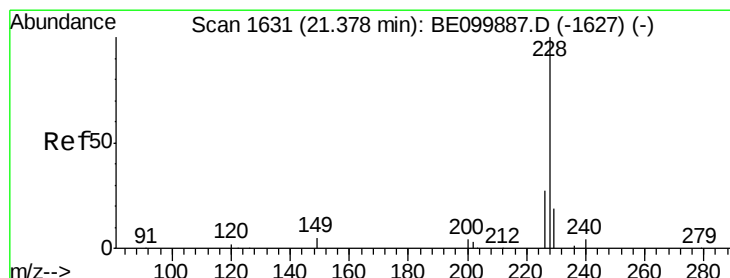
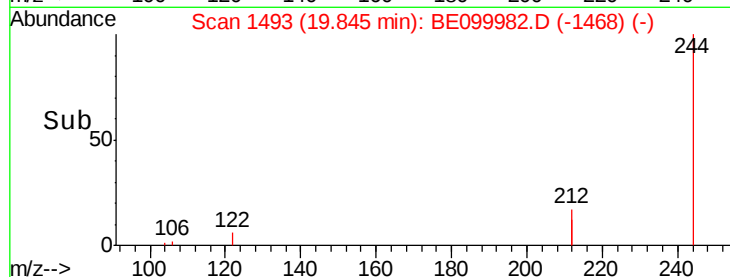
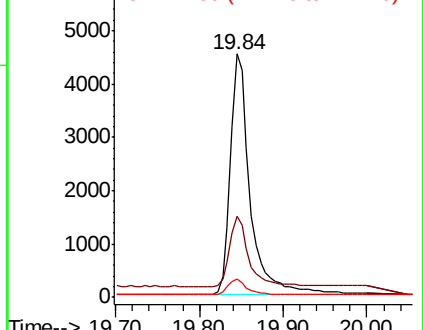
244 100

212 33.3 25.7 38.5

122 7.6 5.5 8.3



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: 0.406 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

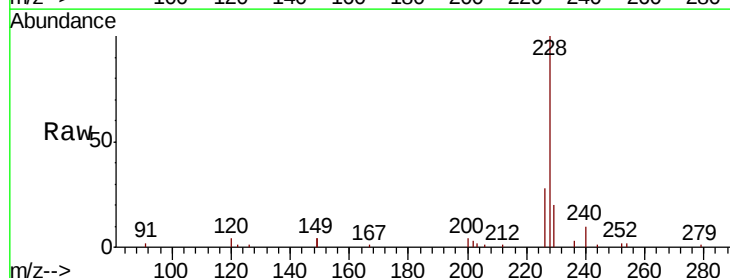
Tgt Ion:228 Resp: 13417

Ion Ratio Lower Upper

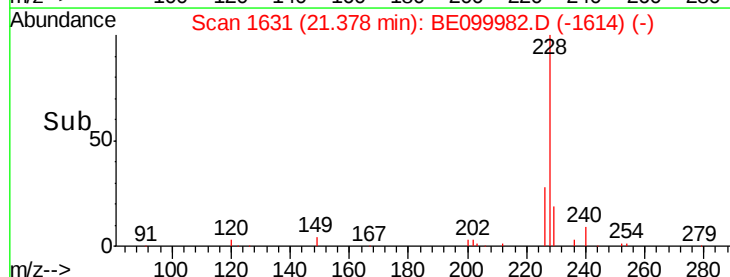
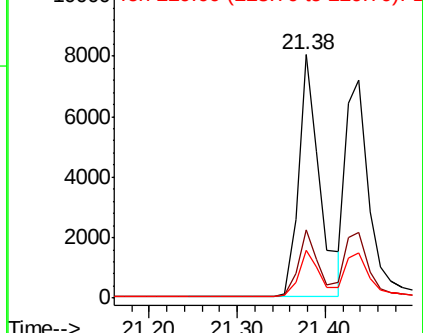
228 100

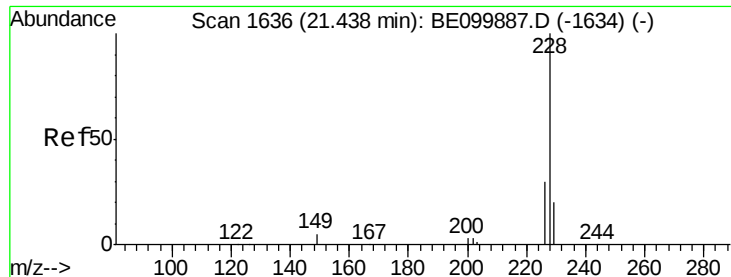
226 28.2 22.5 33.7

229 19.6 15.9 23.9



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: 0.373 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

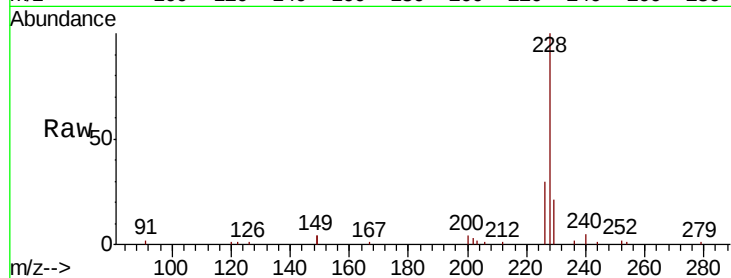
Tgt Ion:228 Resp: 12744

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

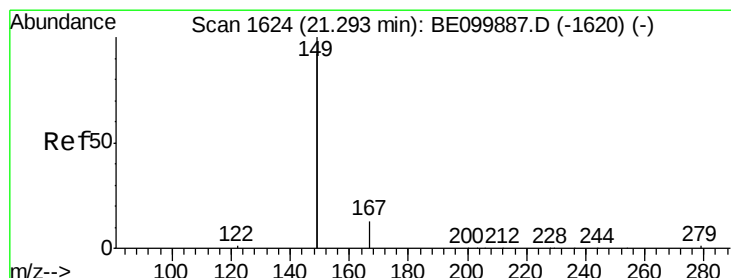
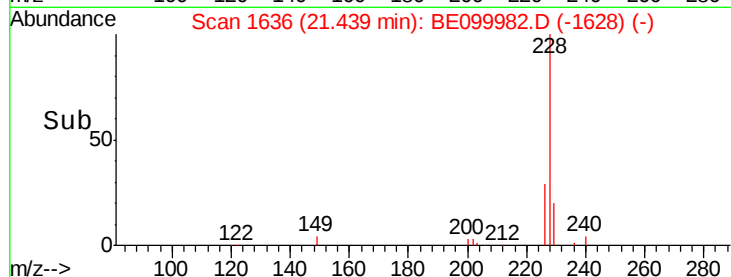
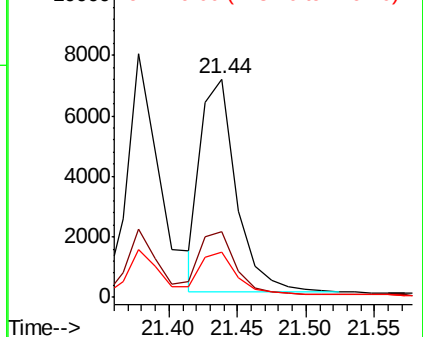
229 21.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.322 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

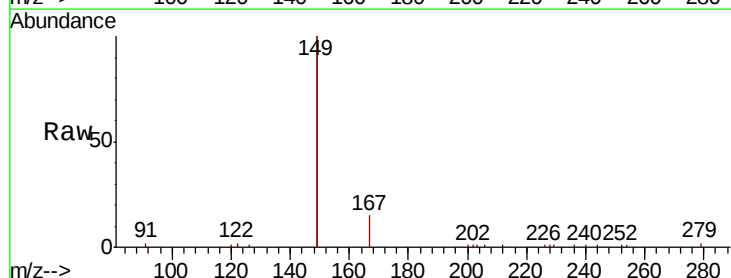
Tgt Ion:149 Resp: 15280

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

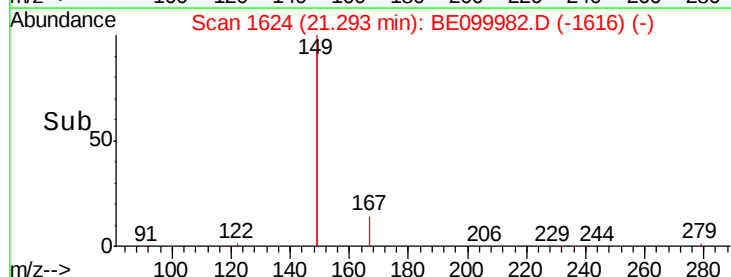
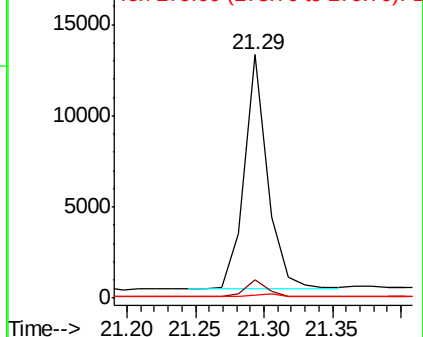
279 1.4 1.2 1.8

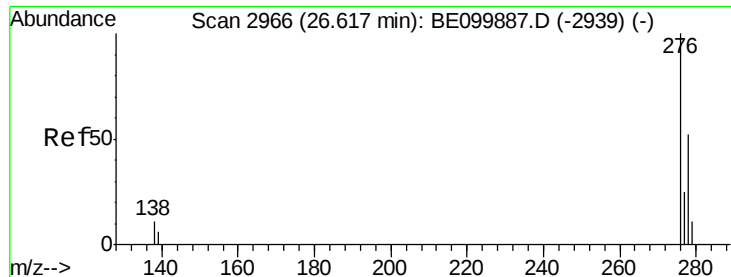


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.386 ng

RT: 26.61 min Scan# 2965

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

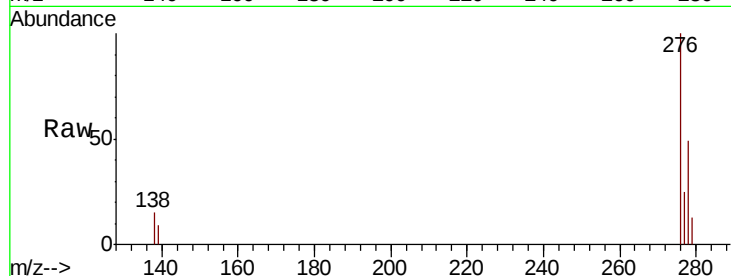
Tgt Ion:276 Resp: 15629

Ion Ratio Lower Upper

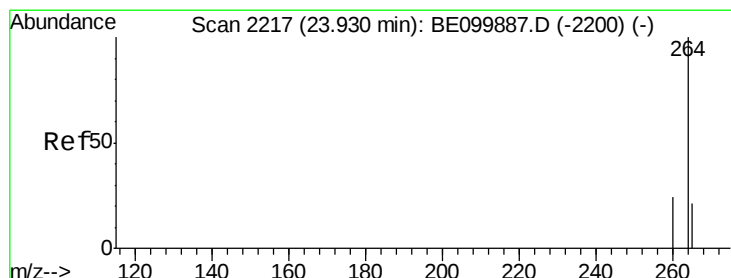
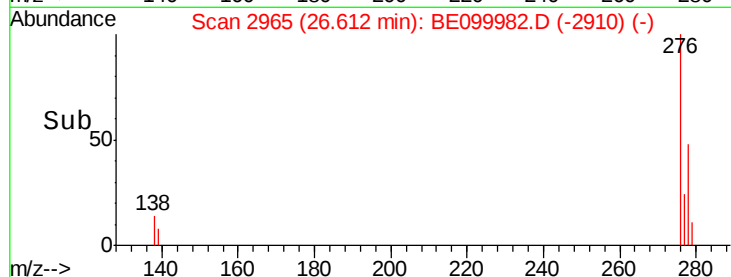
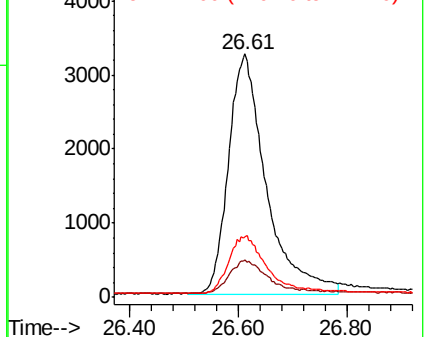
276 100

138 14.3 10.1 15.1

277 23.6 19.1 28.7



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: 23.93 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

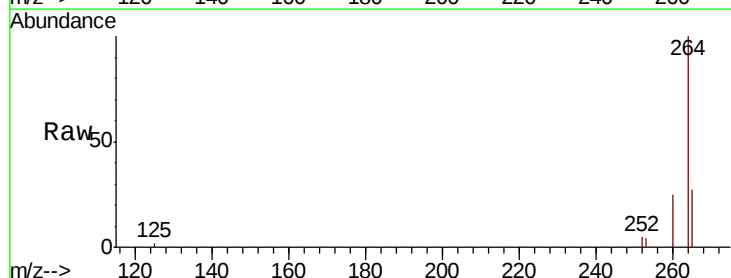
Tgt Ion:264 Resp: 12193

Ion Ratio Lower Upper

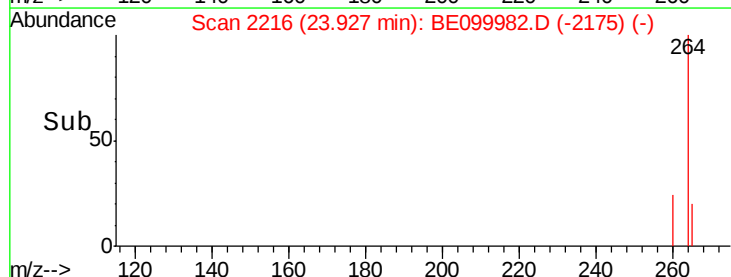
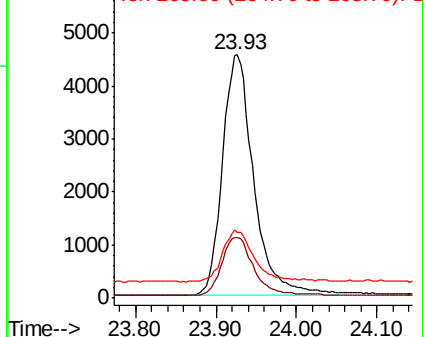
264 100

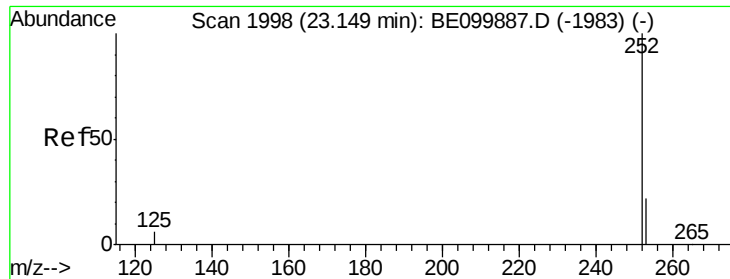
260 25.1 20.2 30.2

265 27.0 22.0 33.0



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: 0.414 ng

RT: 23.19 min Scan# 2010

Delta R.T. 0.04 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

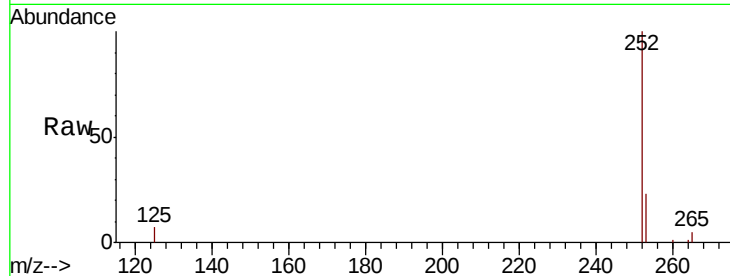
Tgt Ion:252 Resp: 14144

Ion Ratio Lower Upper

252 100

253 23.3 18.7 28.1

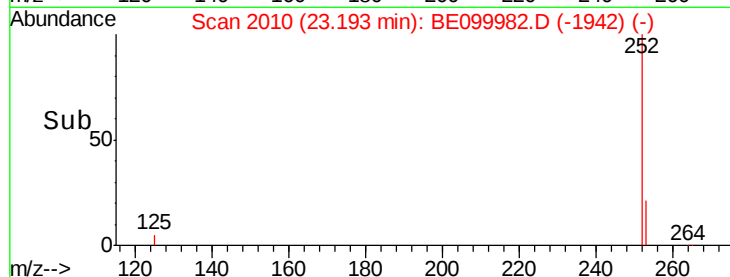
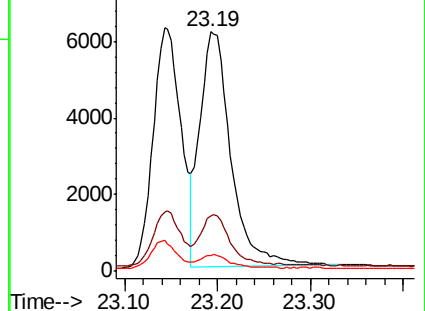
125 6.7 5.7 8.5



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: 0.400 ng

RT: 23.19 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

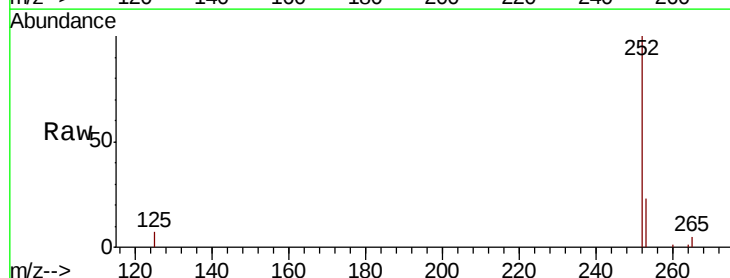
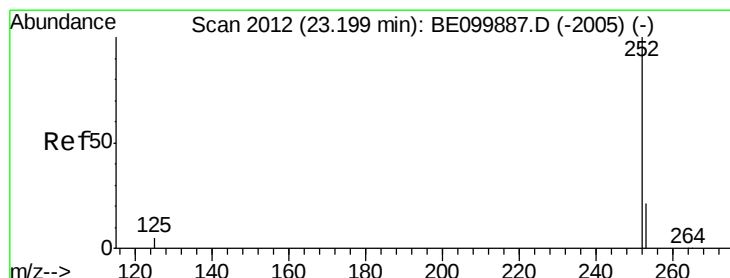
Tgt Ion:252 Resp: 14292

Ion Ratio Lower Upper

252 100

253 23.3 18.6 28.0

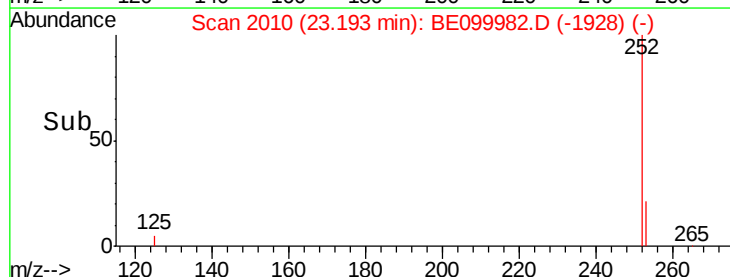
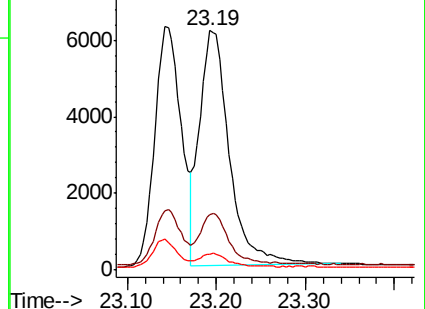
125 6.7 5.4 8.0

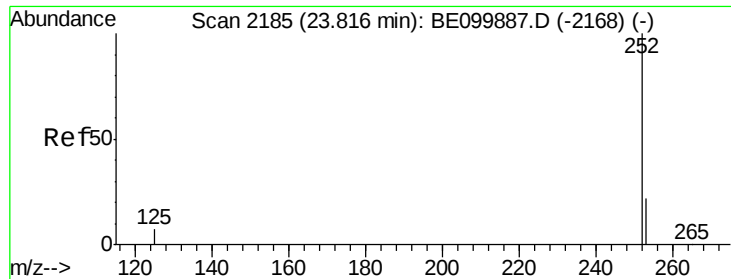


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS

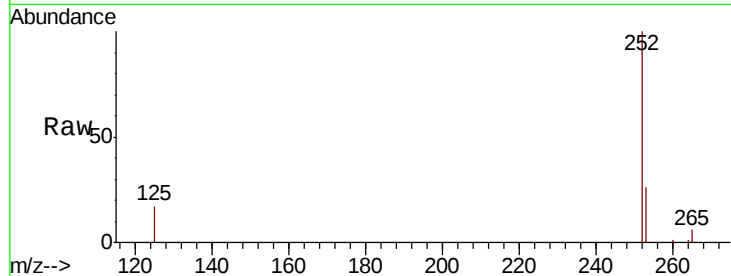
Tgt Ion:252 Resp: 13077

Ion Ratio Lower Upper

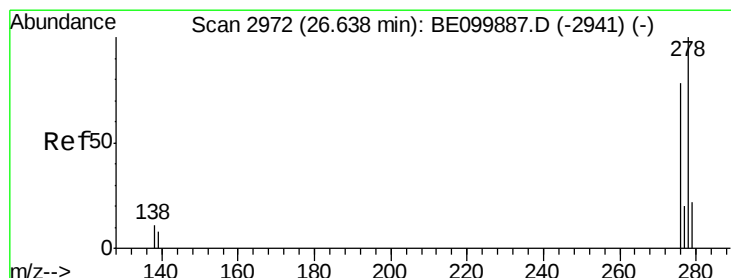
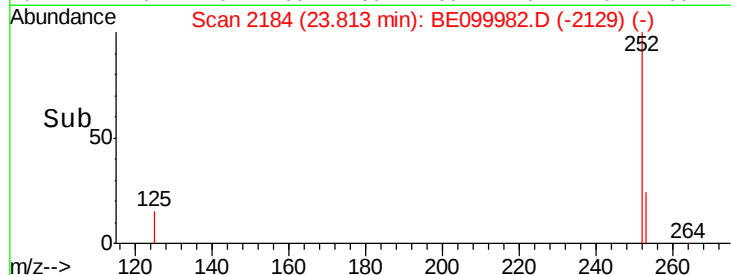
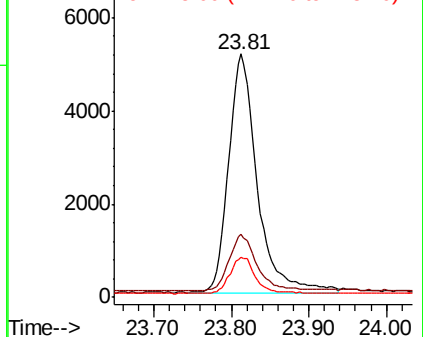
252 100

253 26.0 19.6 29.4

125 16.7 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.371 ng

RT: 26.64 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE099982.D

Acq: 13 Jun 2019 10:34

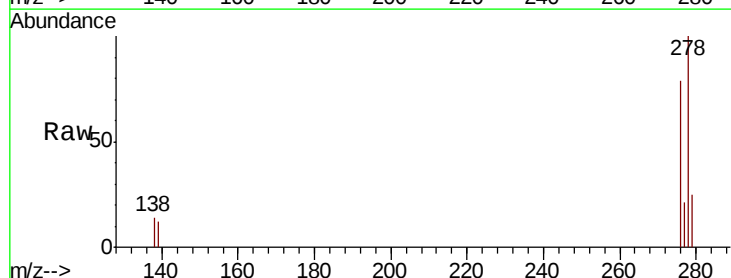
Tgt Ion:278 Resp: 12576

Ion Ratio Lower Upper

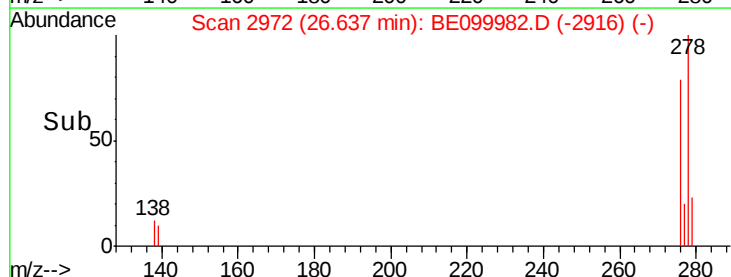
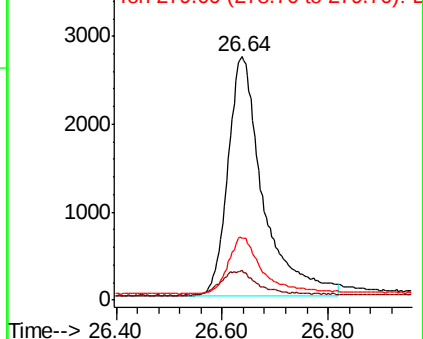
278 100

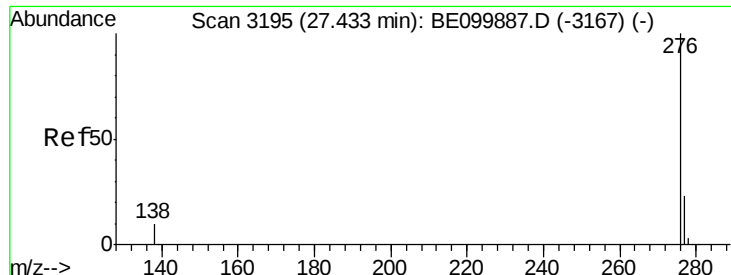
139 12.2 7.8 11.8#

279 25.3 20.0 30.0



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





#39

Benzo(g,h,i)perylene

Concen: 0.388 ng

RT: 27.43 min Scan# 3194

Delta R.T. -0.00 min

Lab File: BE099982.D

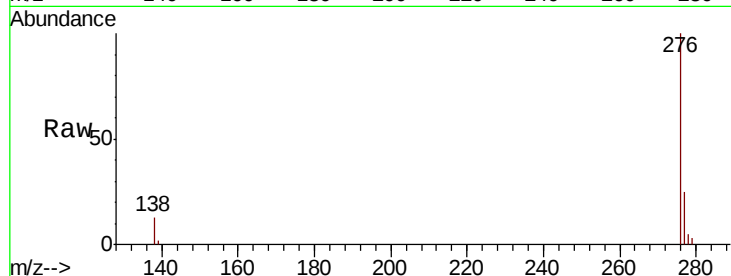
Acq: 13 Jun 2019 10:34

Instrument :

BNA_E

ClientSampleId :

PB120466BS



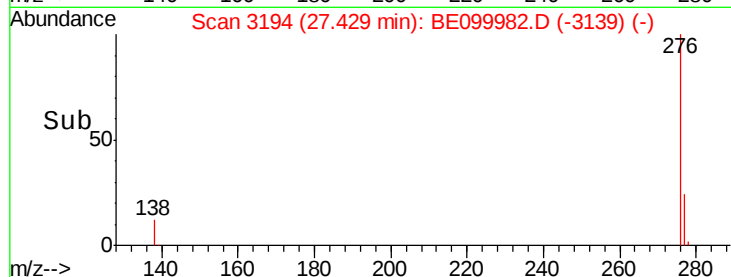
Tgt Ion: 276 Resp: 13599

Ion Ratio Lower Upper

276 100

277 24.9 19.5 29.3

138 13.3 9.5 14.3



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

