

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099216.D
 Acq On : 26 Mar 2019 15:36
 Operator : JU/SJ
 Sample : K2064-03MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 26 16:31:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3058	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12078	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9184	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	28944	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	34784	0.40	ng	-0.01
34) Perylene-d12	23.89	264	33591	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1647	0.18	ng	0.00
5) Phenol-d6	6.99	99	1478	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	4103	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	12540	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1765	0.57	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15243	0.41	ng	0.00
25) Fluoranthene-d10	19.24	212	161850	0.46	ng	0.00
29) Terphenyl-d14	19.83	244	28086	0.37	ng	0.00

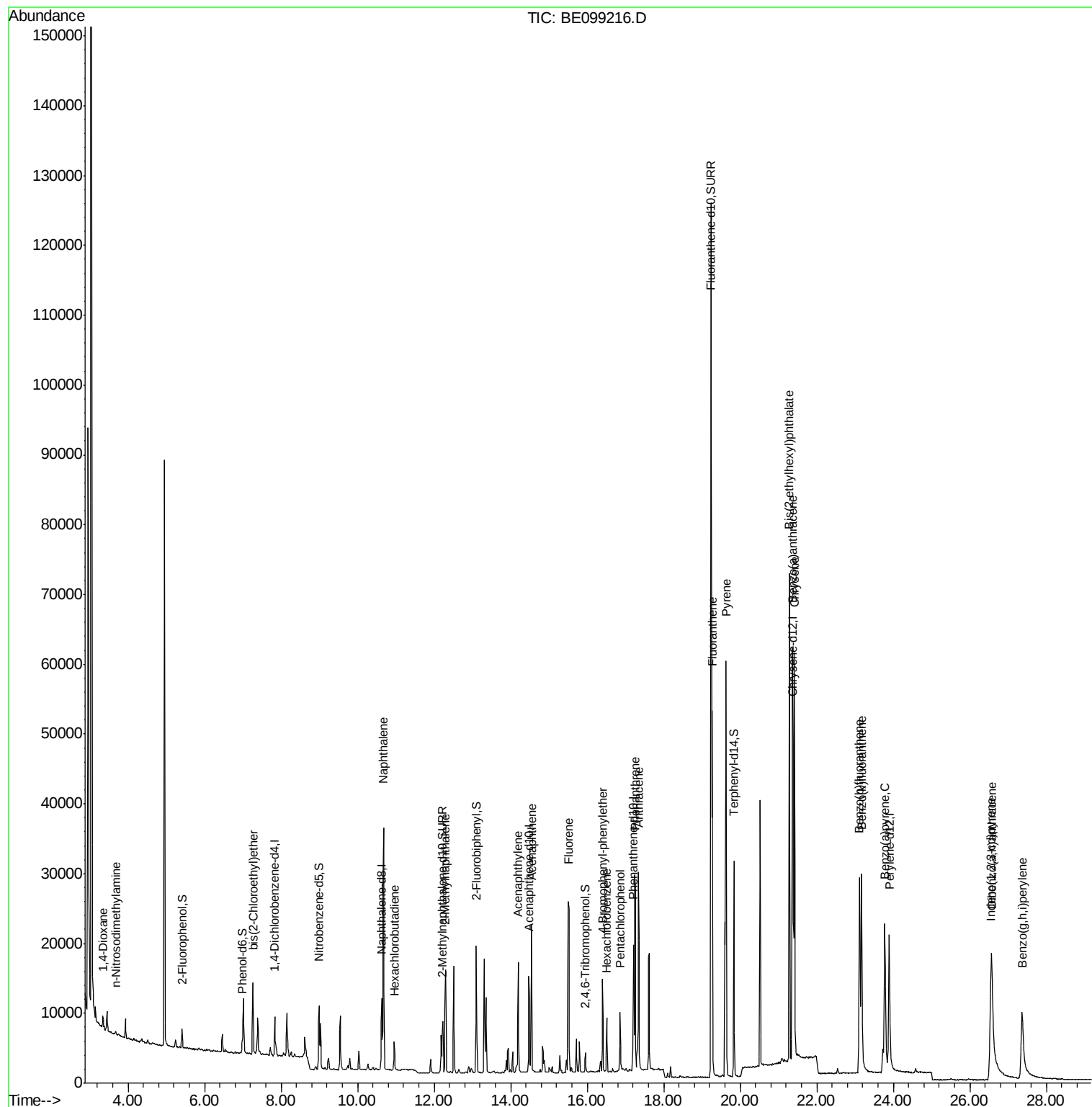
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1157	0.287	ng	# 33
3) n-Nitrosodimethylamine	3.68	42	406	0.180	ng	# 73
6) bis(2-Chloroethyl)ether	7.26	93	4187	0.382	ng	98
9) Naphthalene	10.68	128	56766	0.399	ng	100
10) Hexachlorobutadiene	10.95	225	2817	0.371	ng	97
12) 2-Methylnaphthalene	12.29	142	10079	0.396	ng	99
16) Acenaphthylene	14.20	152	17980	0.384	ng	99
17) Acenaphthene	14.54	154	11124	0.397	ng	99
18) Fluorene	15.51	166	17043	0.433	ng	98
20) 4-Bromophenyl-phenylether	16.40	248	6553	0.351	ng	# 74
21) Hexachlorobenzene	16.51	284	6215	0.344	ng	99
22) Pentachlorophenol	16.85	266	4815	1.737	ng	88
23) Phenanthrene	17.24	178	34188	0.402	ng	100
24) Anthracene	17.34	178	31083	0.405	ng	99
26) Fluoranthene	19.27	202	45696	0.421	ng	100
28) Pyrene	19.63	202	53210	0.460	ng	99
30) Benzo(a)anthracene	21.37	228	47054	0.410	ng	99
31) Chrysene	21.42	228	48163	0.393	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	78763	0.575	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	41547	0.358	ng	98
35) Benzo(b)fluoranthene	23.12	252	42046	0.380	ng	98
36) Benzo(k)fluoranthene	23.17	252	47038	0.403	ng	100
37) Benzo(a)pyrene	23.78	252	42837	0.415	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	35009	0.382	ng	99
39) Benzo(g,h,i)perylene	27.36	276	32611	0.355	ng	96

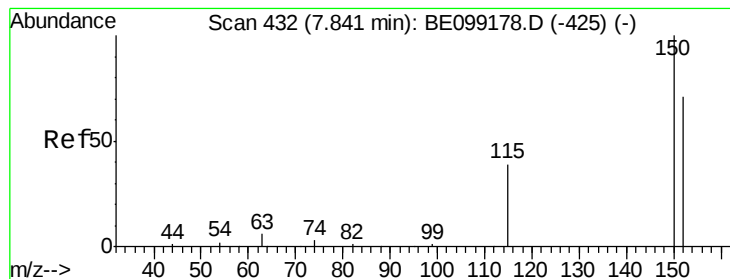
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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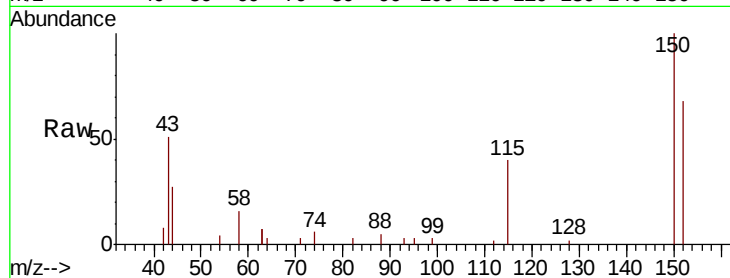


#1

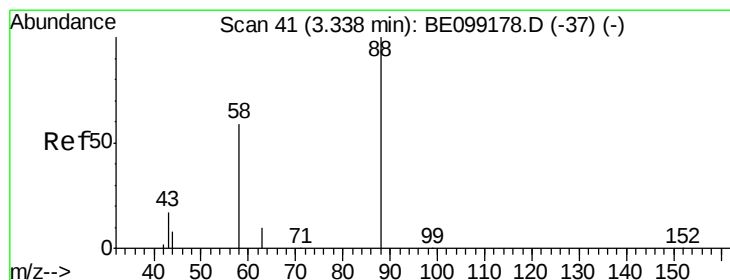
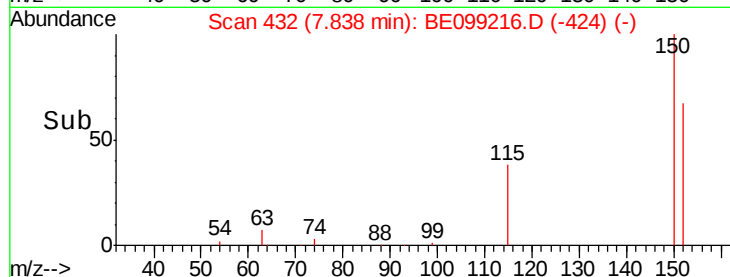
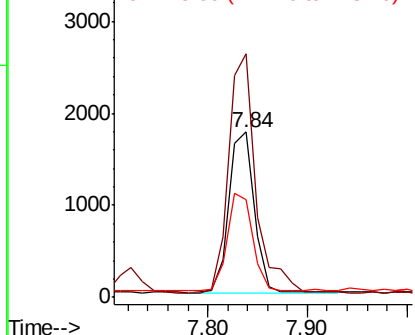
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3058
Ion Ratio Lower Upper
152 100
150 147.6 112.8 169.2
115 58.9 45.1 67.7



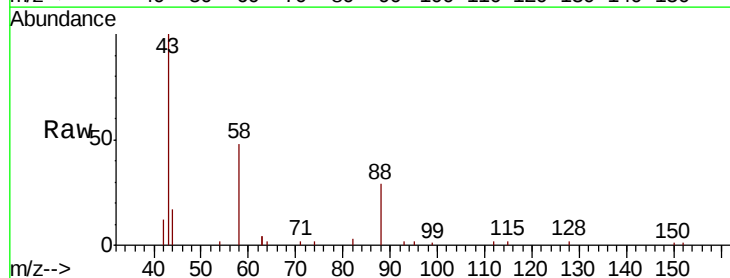
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



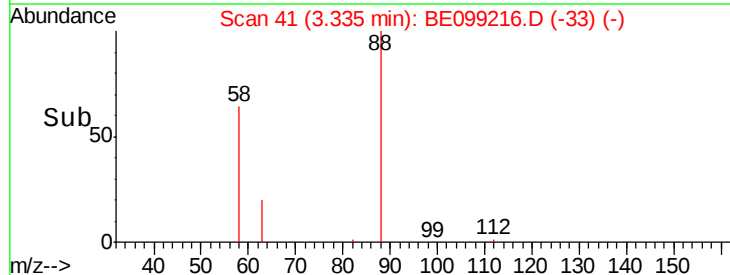
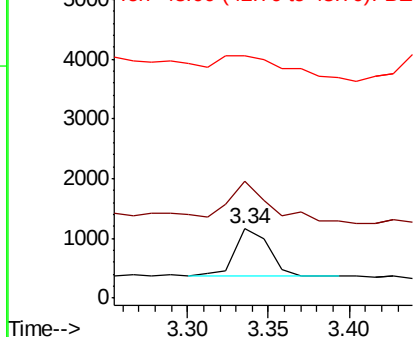
#2

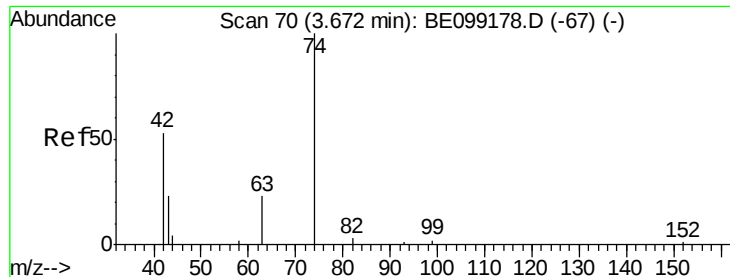
1,4-Dioxane
Concen: 0.287 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Tgt Ion: 88 Resp: 1157
Ion Ratio Lower Upper
88 100
58 93.6 47.4 71.0#
43 79.9 15.6 23.4#



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: 0.180 ng

RT: 3.68 min Scan# 71

Delta R.T. 0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

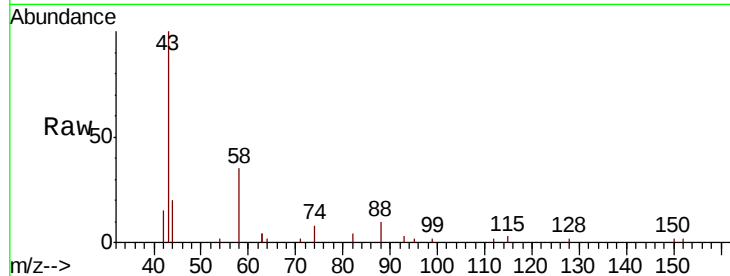
Tot Ion: 42 Resp: 406

Ion Ratio Lower Upper

42 100

74 137.9 138.6 207.8#

44 0.0 15.0 22.6#



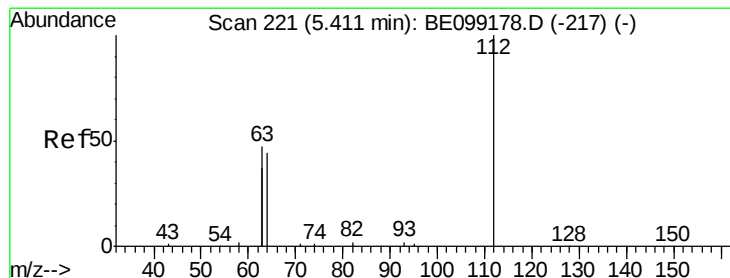
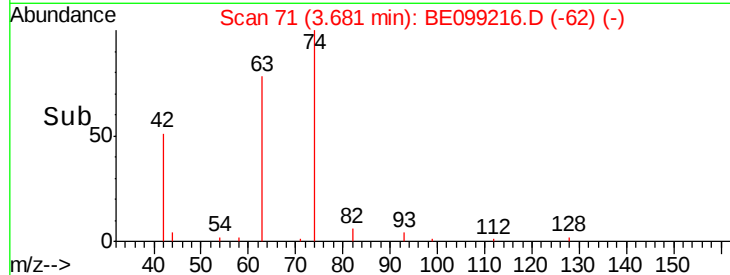
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

3.68

Time-->



#4

2-Fluorophenol

Concen: 0.180 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

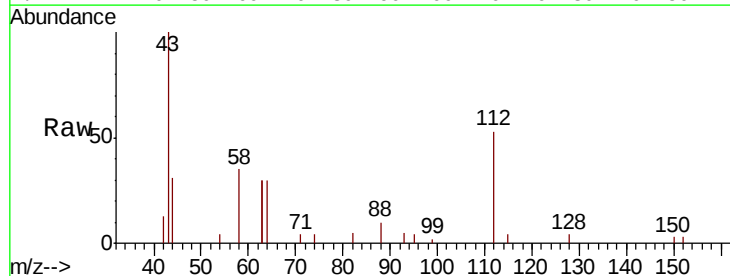
Tgt Ion: 112 Resp: 1647

Ion Ratio Lower Upper

112 100

64 56.8 46.2 69.2

63 113.4 89.9 134.9



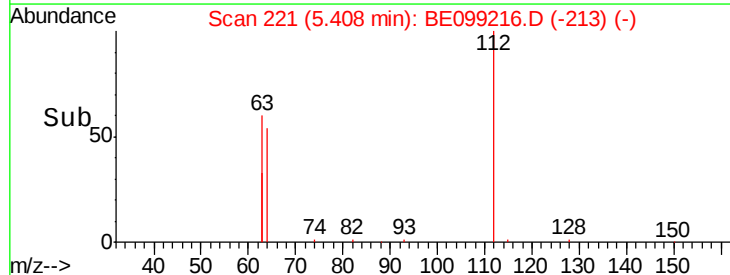
Abundance Ion 112.00 (111.70 to 112.70): E

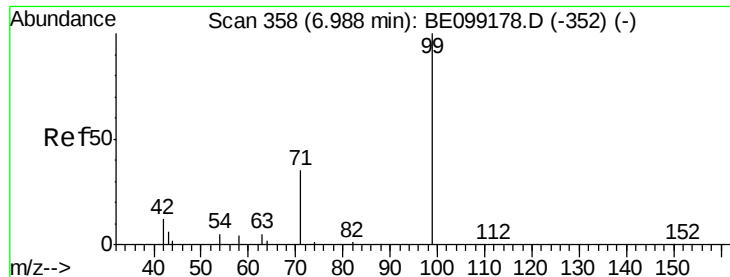
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.41

Time-->





#5

Phenol-d6

Concen: 0.106 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

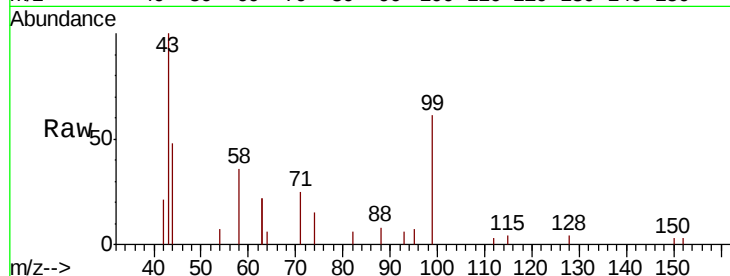
Tot Ion: 99 Resp: 1478

Ion Ratio Lower Upper

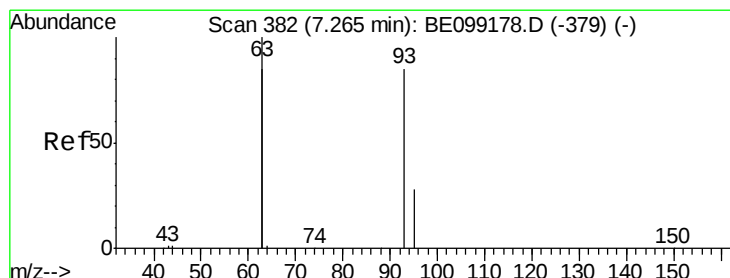
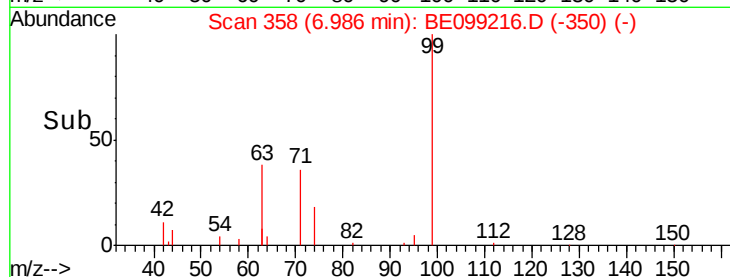
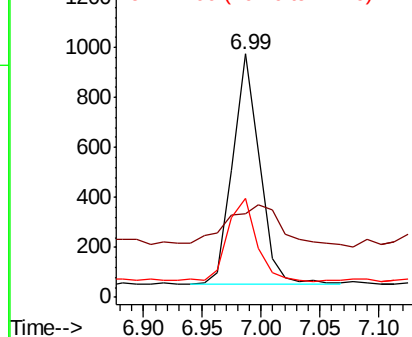
99 100

42 38.2 12.4 18.6#

71 38.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.382 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

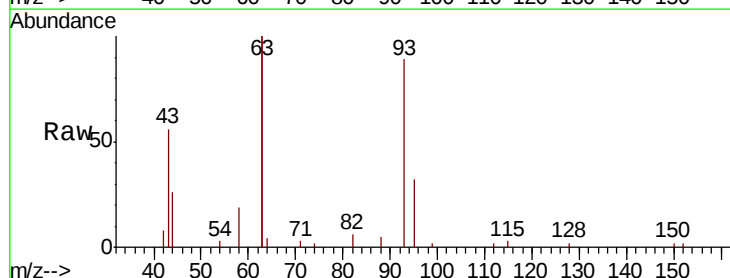
Tgt Ion: 93 Resp: 4187

Ion Ratio Lower Upper

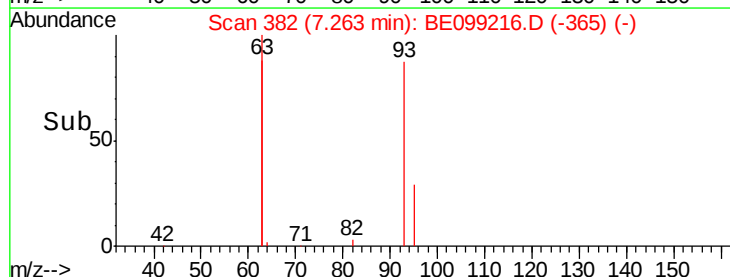
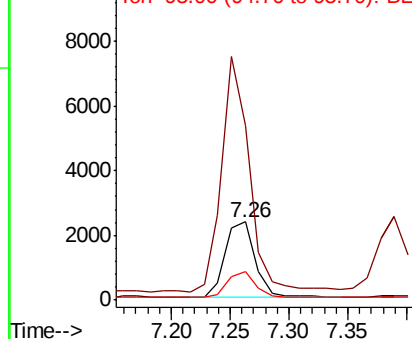
93 100

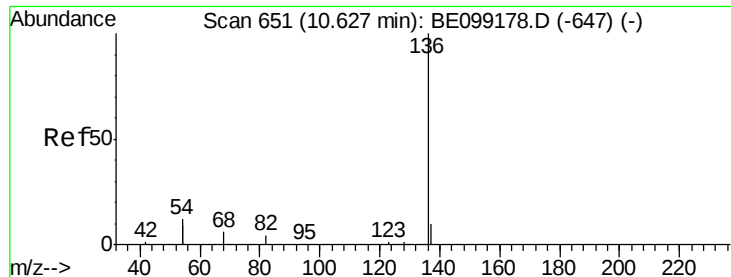
63 281.6 221.4 332.0

95 32.6 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 12078

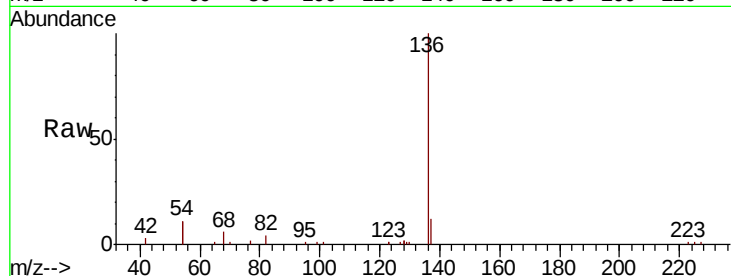
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 21.9 18.7 28.1

68 6.3 5.2 7.8

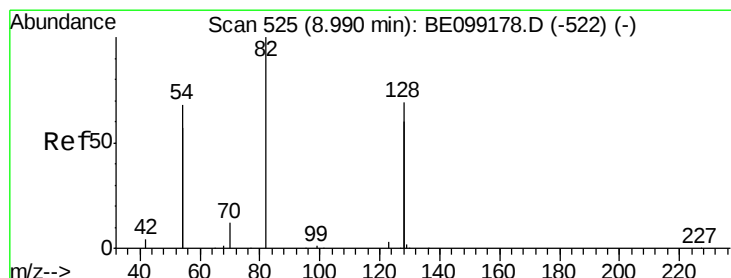
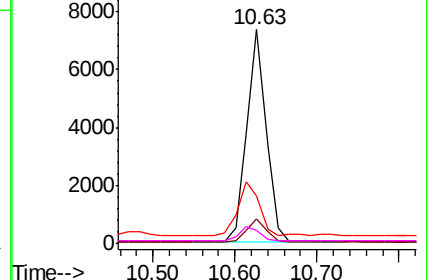
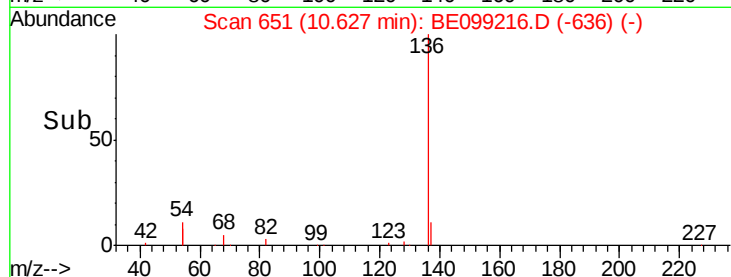


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.416 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

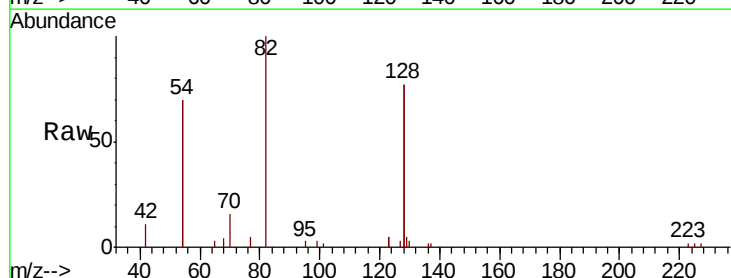
Tgt Ion: 82 Resp: 4103

Ion Ratio Lower Upper

82 100

128 153.7 107.5 161.3

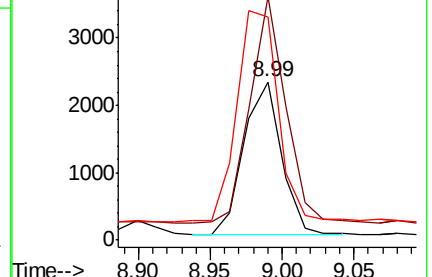
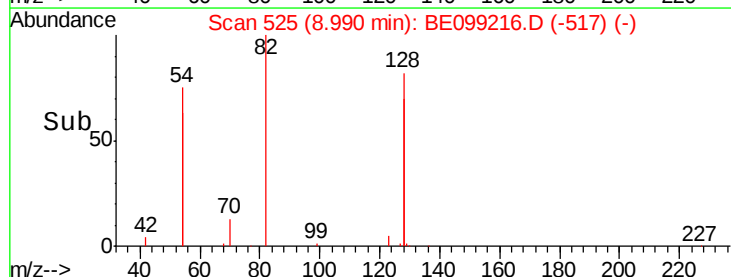
54 140.8 106.3 159.5

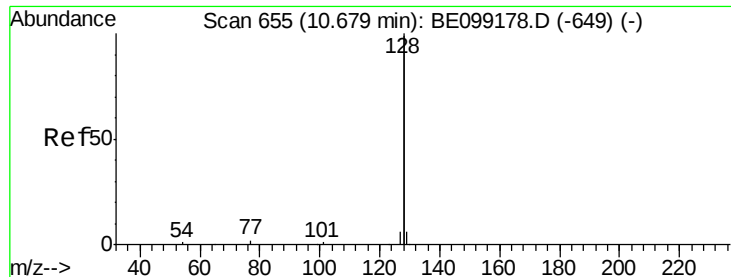


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

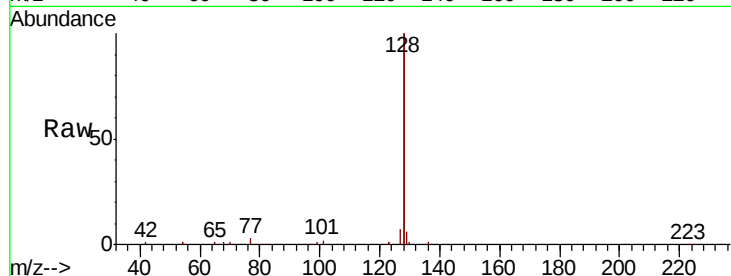
Tot Ion:128 Resp: 56766

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

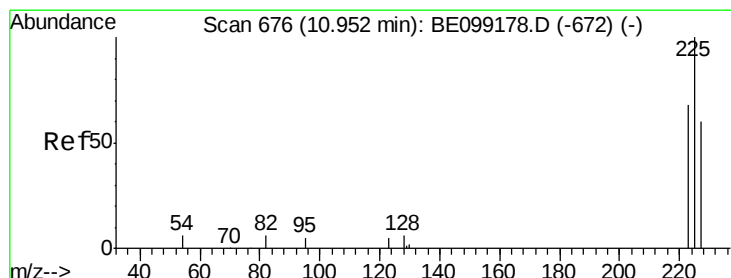
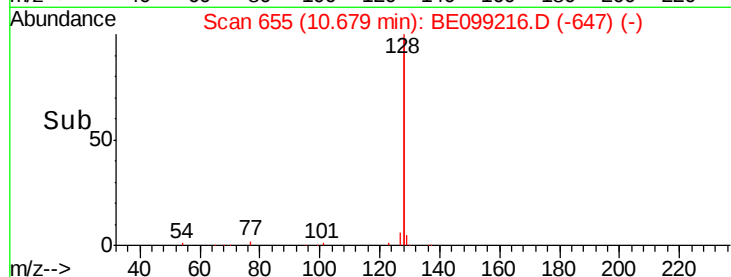
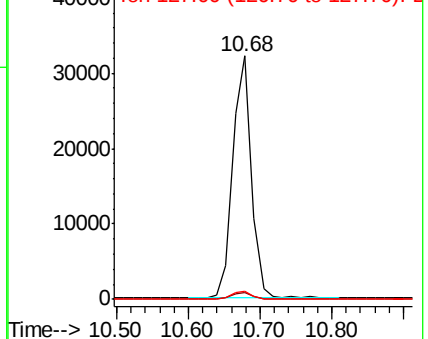
127 3.4 2.6 3.8



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: 0.371 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

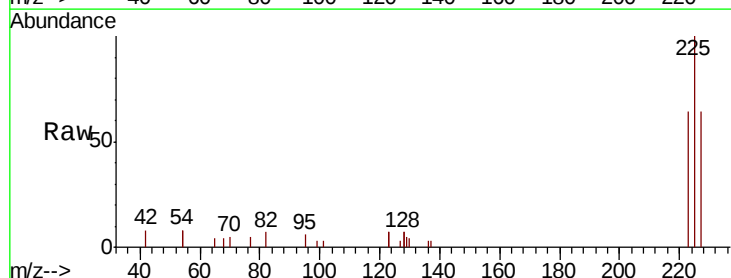
Tgt Ion:225 Resp: 2817

Ion Ratio Lower Upper

225 100

223 63.2 51.3 76.9

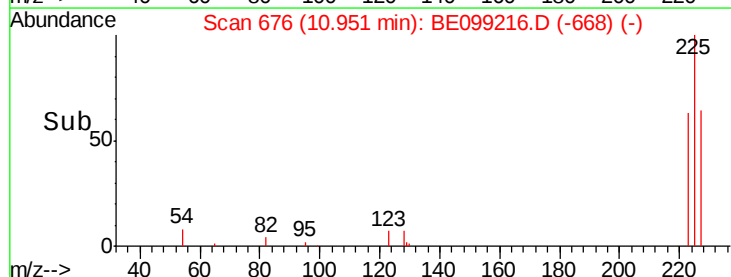
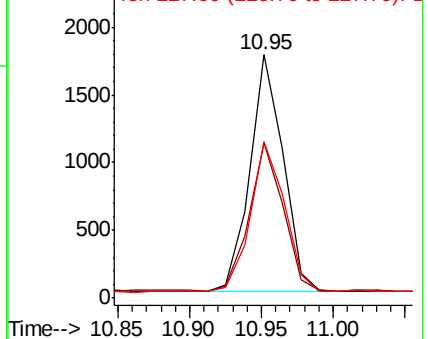
227 65.1 48.6 73.0

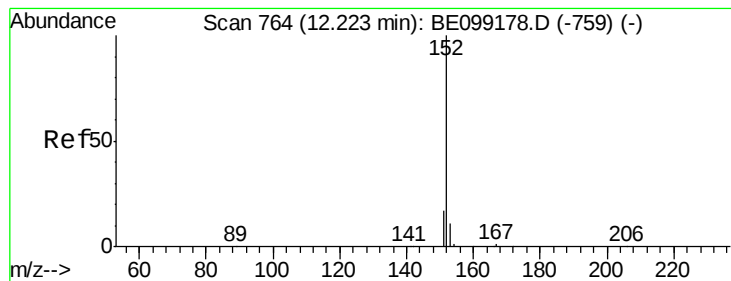


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.539 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

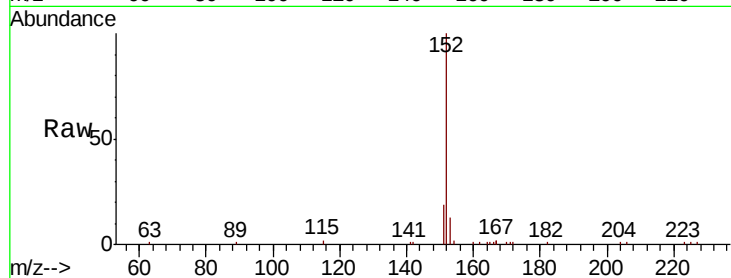
ClientSampleId :

Tot Ion:152 Resp: 12540

Ion Ratio Lower Upper

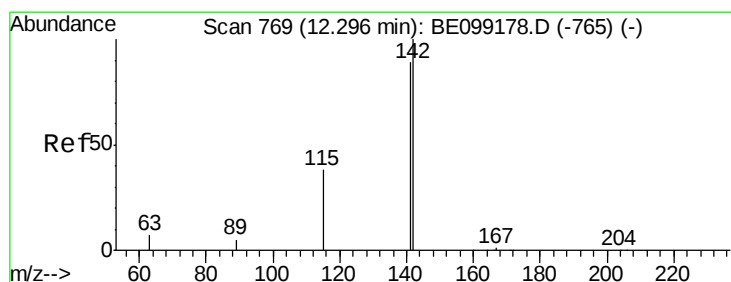
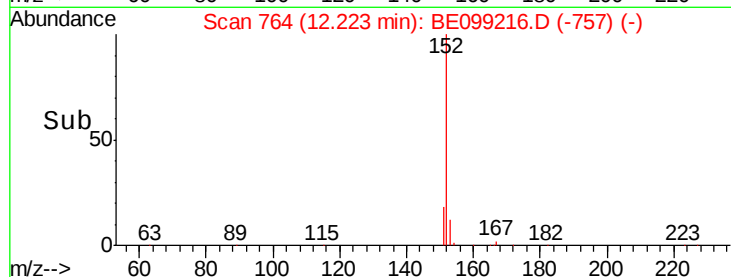
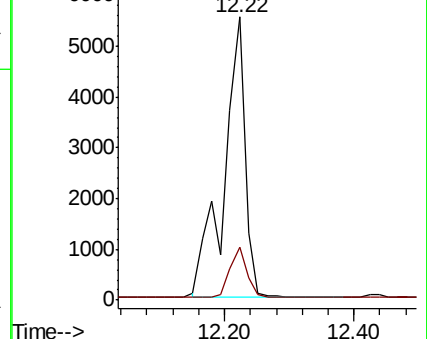
152 100

151 14.2 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.396 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

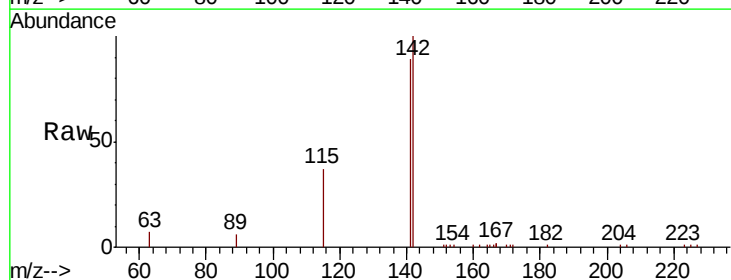
Tgt Ion:142 Resp: 10079

Ion Ratio Lower Upper

142 100

141 89.4 71.3 106.9

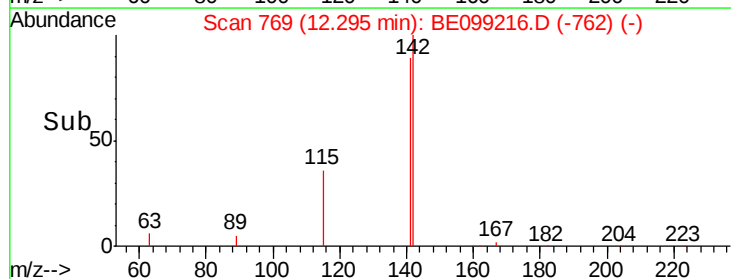
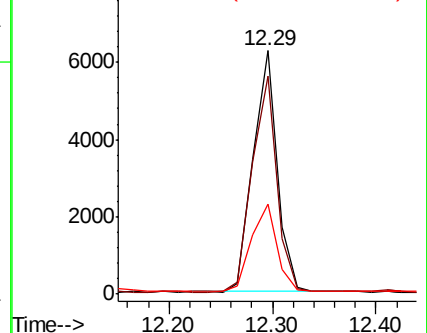
115 36.8 30.4 45.6

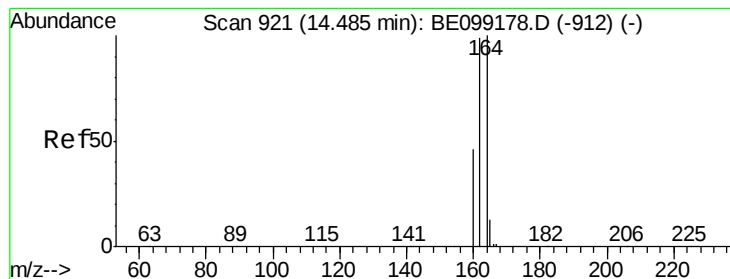


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

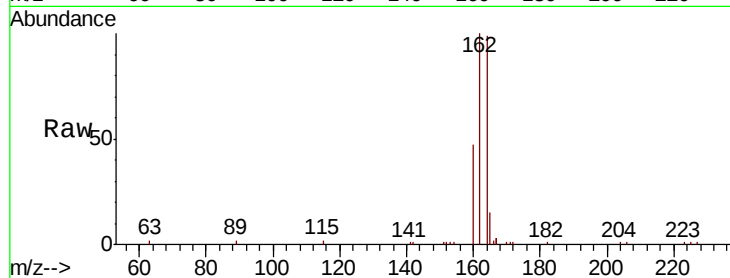
Tot Ion:164 Resp: 9184

Ion Ratio Lower Upper

164 100

162 101.3 79.2 118.8

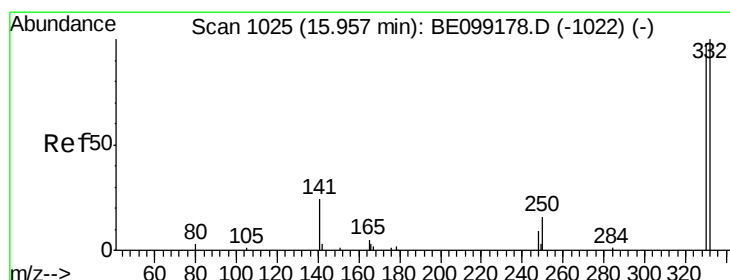
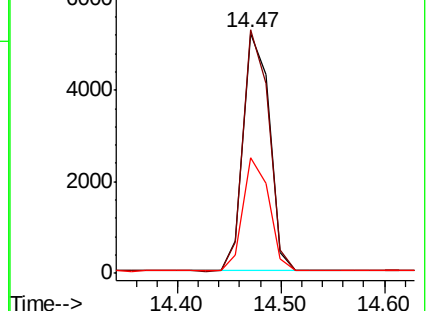
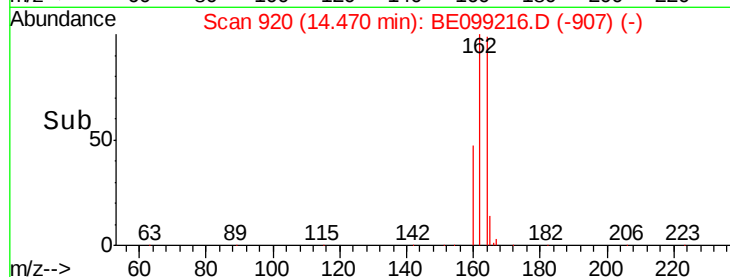
160 48.0 36.7 55.1



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: 0.565 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

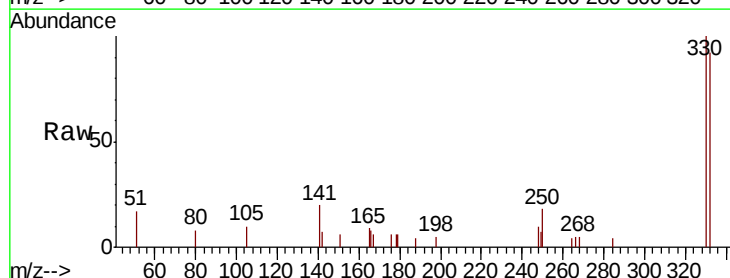
Tgt Ion:330 Resp: 1765

Ion Ratio Lower Upper

330 100

332 92.5 71.3 106.9

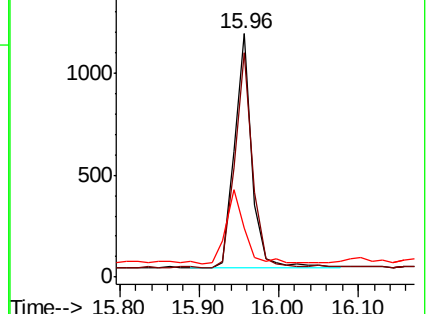
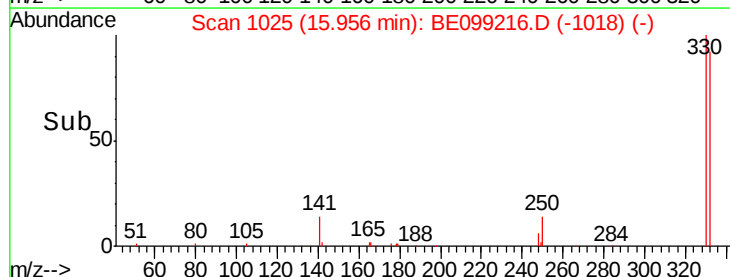
141 34.8 21.7 32.5#

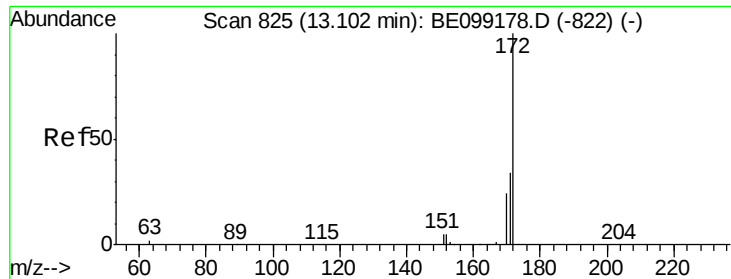


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

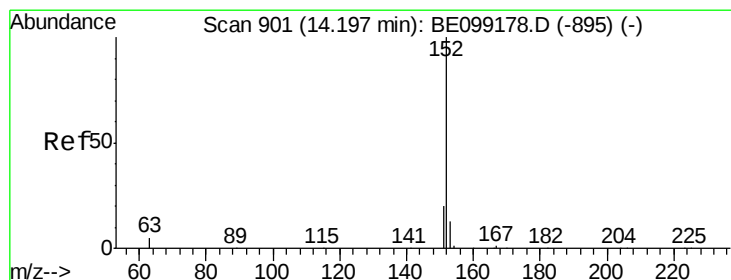
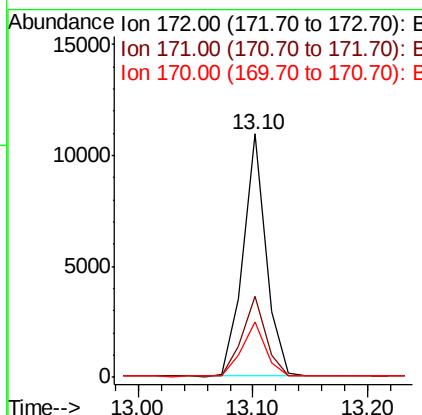
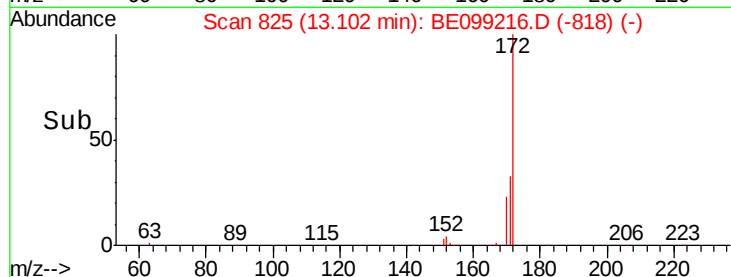
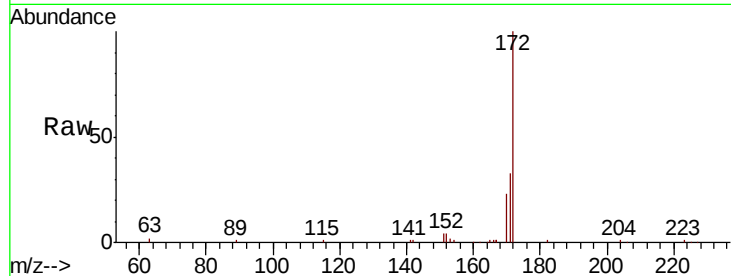




#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

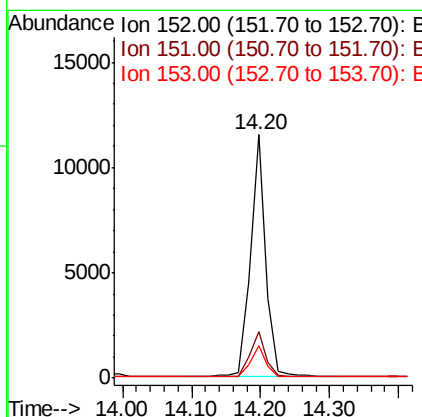
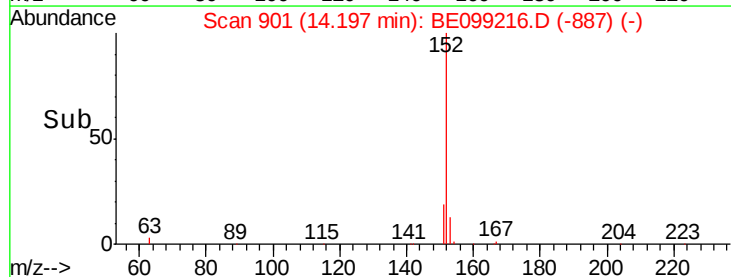
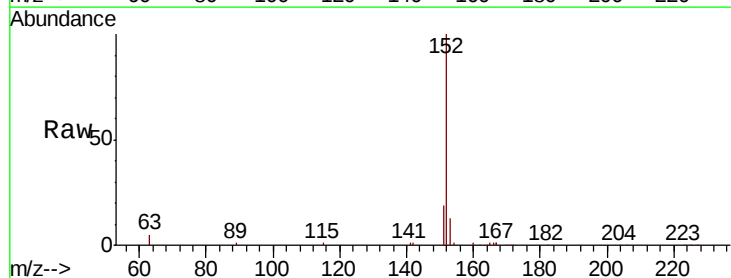
Instrument :
BNA_E
ClientSampleId :

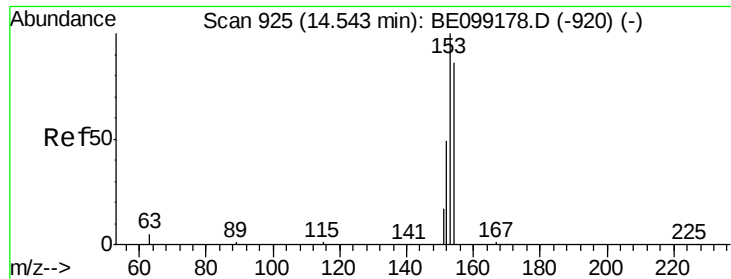
Tot Ion:172 Resp: 15243
Ion Ratio Lower Upper
172 100
171 33.5 27.4 41.0
170 23.0 19.1 28.7



#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Tgt Ion:152 Resp: 17980
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 13.3 10.6 15.8

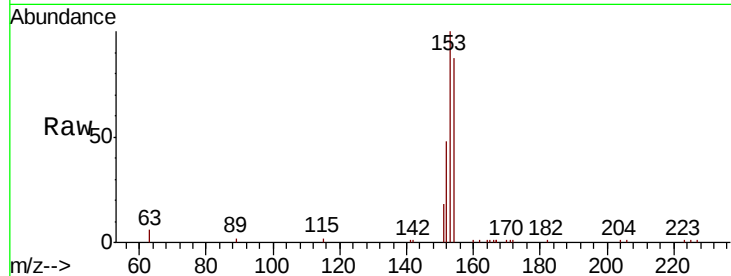




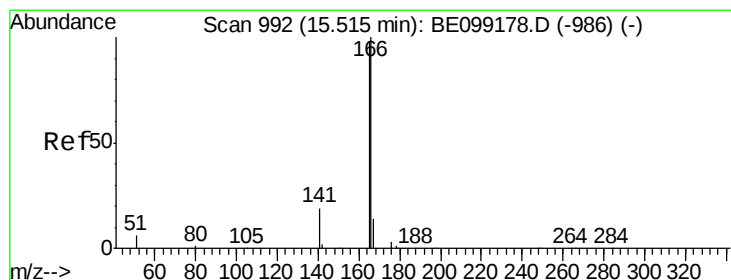
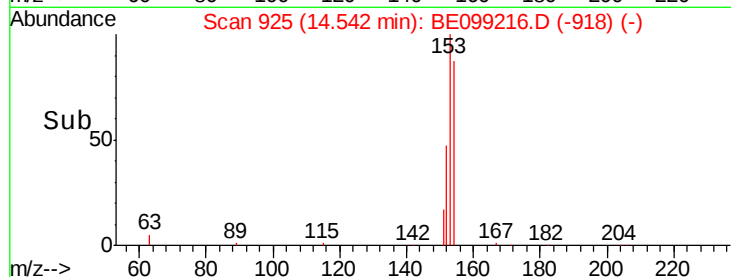
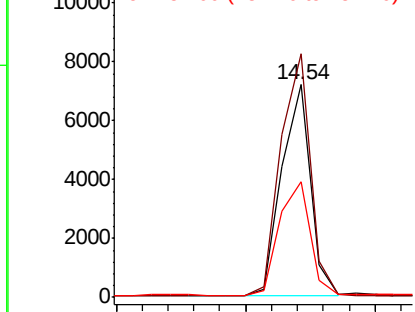
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 11124
Ion Ratio Lower Upper
154 100
153 118.3 93.4 140.0
152 58.0 46.6 69.8

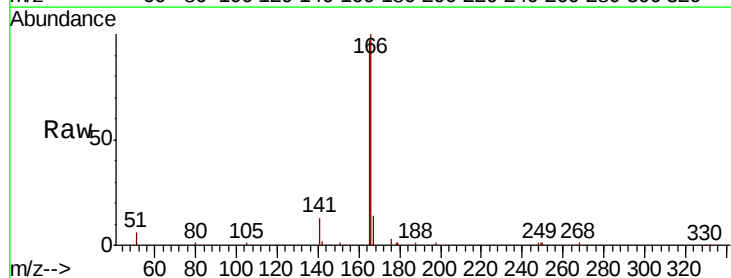


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

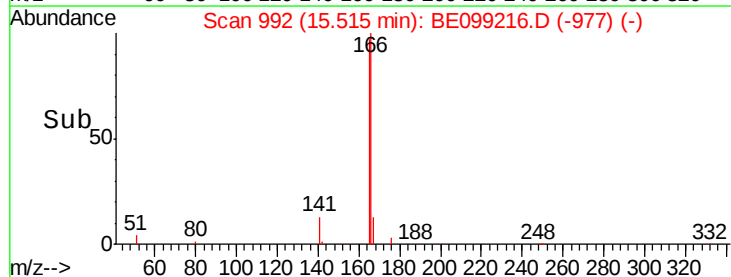
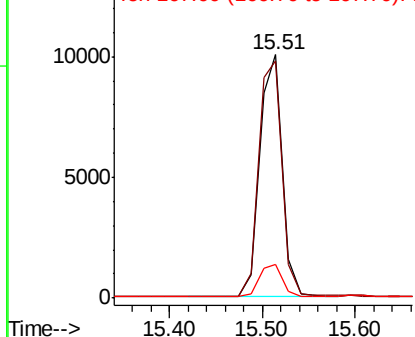


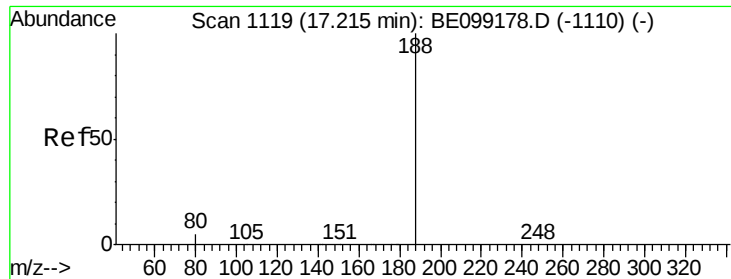
#18
Fluorene
Concen: 0.433 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Tgt Ion:166 Resp: 17043
Ion Ratio Lower Upper
166 100
165 100.4 78.9 118.3
167 13.4 10.9 16.3



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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

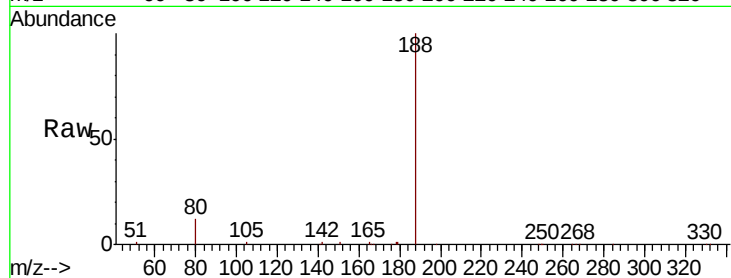
Tot Ion:188 Resp: 28944

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

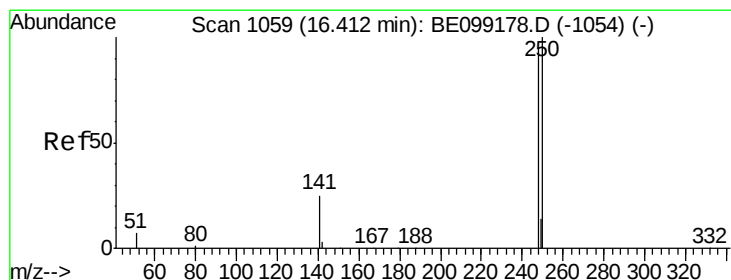
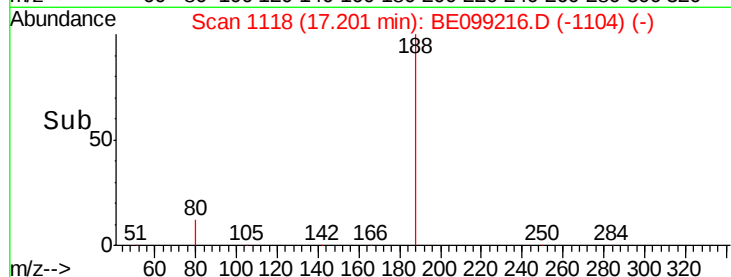
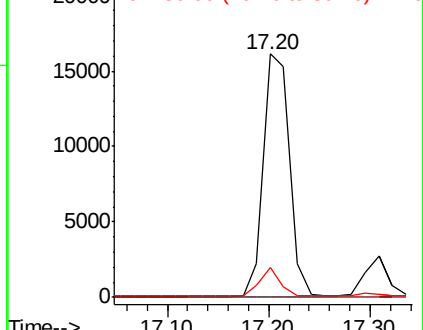
80 12.0 4.5 6.7#



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: 0.351 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

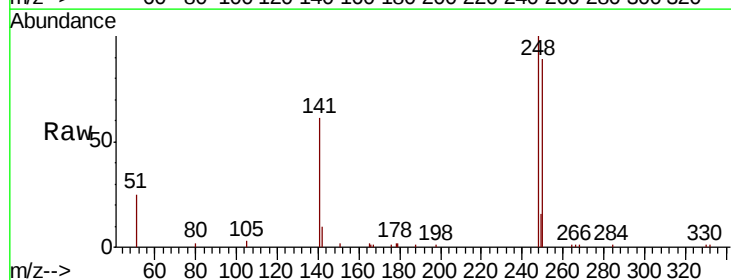
Tgt Ion:248 Resp: 6553

Ion Ratio Lower Upper

248 100

250 89.1 84.2 126.2

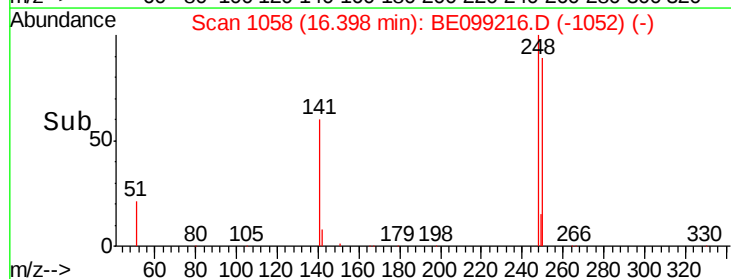
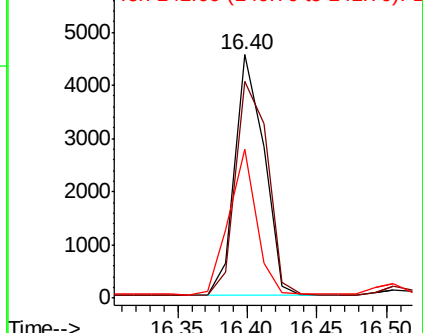
141 61.3 21.8 32.6#

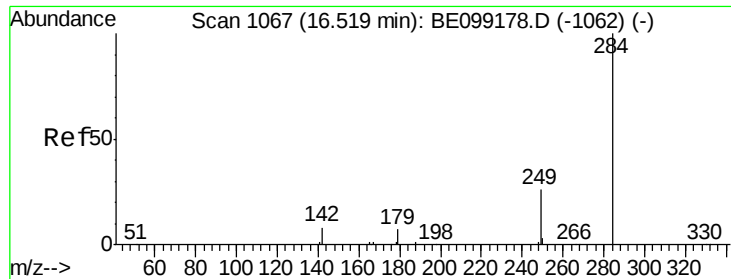


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

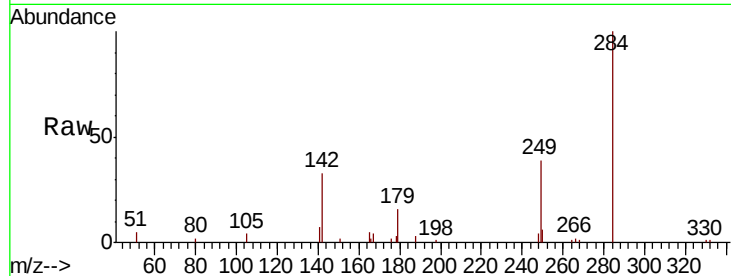




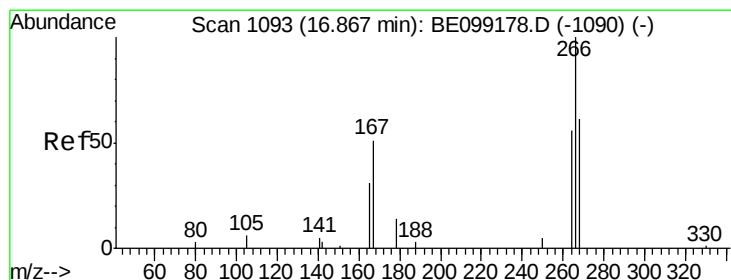
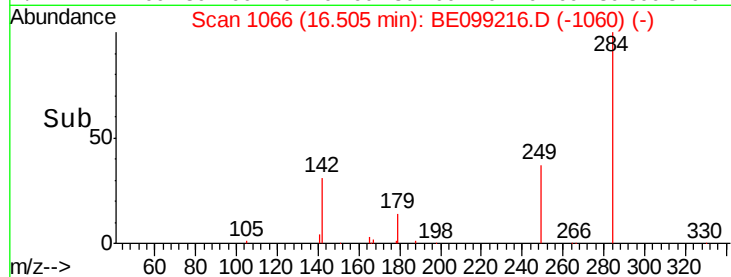
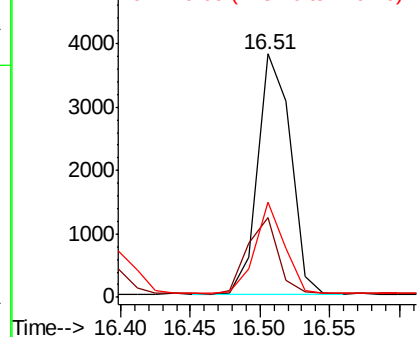
#21
Hexachlorobenzene
Concen: 0.344 ng
RT: 16.51 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 6215
Ion Ratio Lower Upper
284 100
142 28.9 22.7 34.1
249 33.9 26.9 40.3

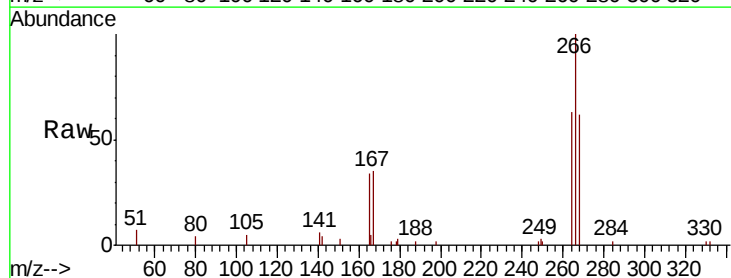


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

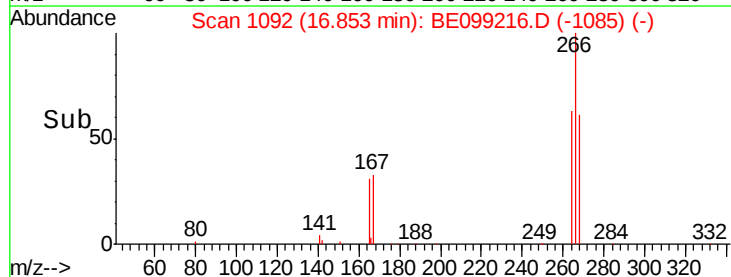
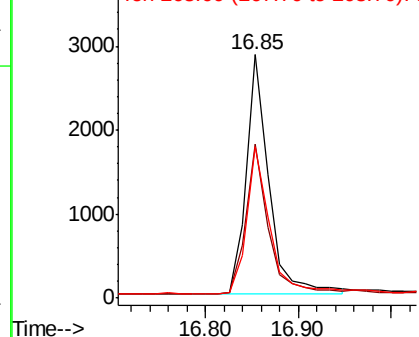


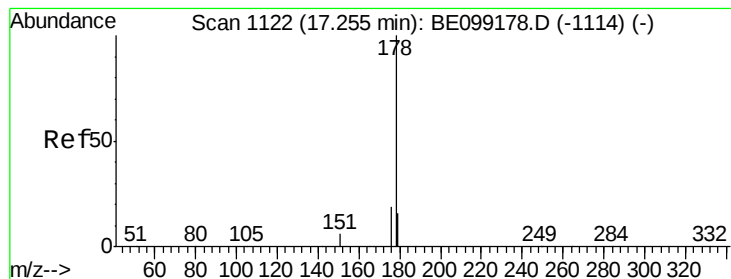
#22
Pentachlorophenol
Concen: 1.737 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Tgt Ion:266 Resp: 4815
Ion Ratio Lower Upper
266 100
264 63.2 54.4 81.6
268 62.1 61.3 91.9



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: 0.402 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampled :

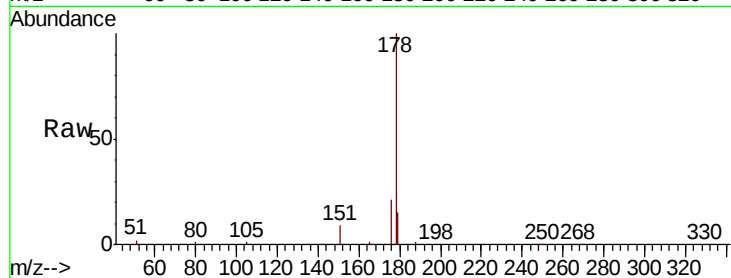
Tot Ion:178 Resp: 34188

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

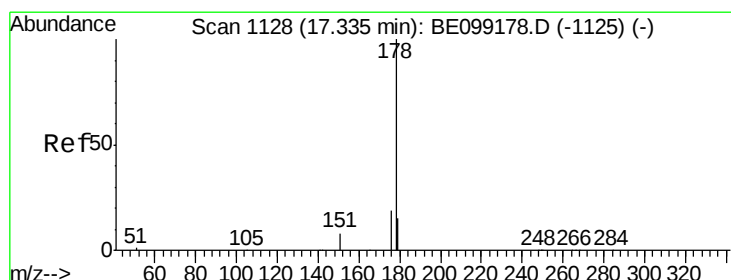
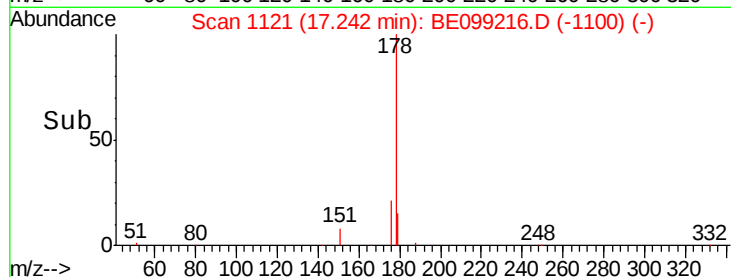
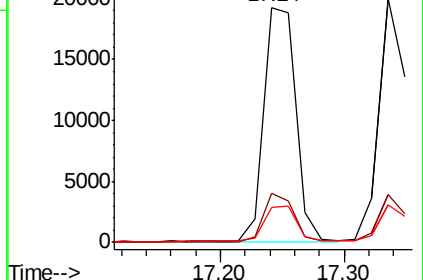
179 15.6 12.3 18.5



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



#24

Anthracene

Concen: 0.405 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

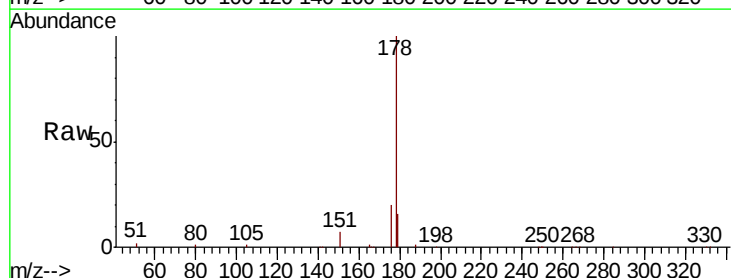
Tgt Ion:178 Resp: 31083

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

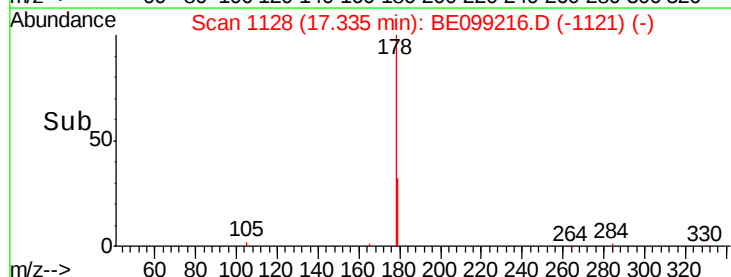
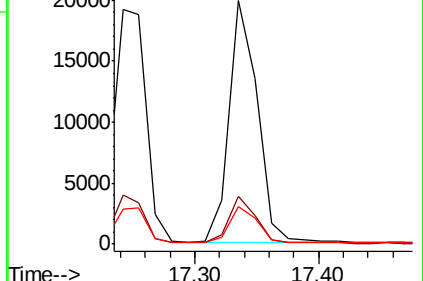
179 15.1 12.4 18.6

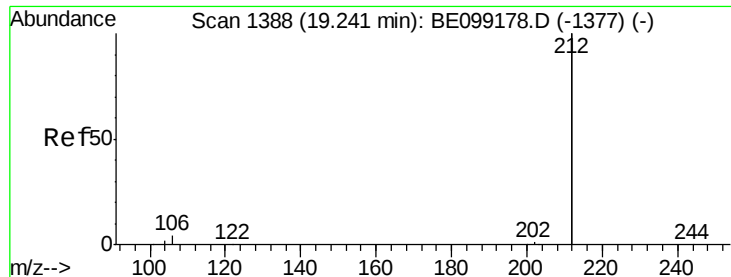


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.461 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

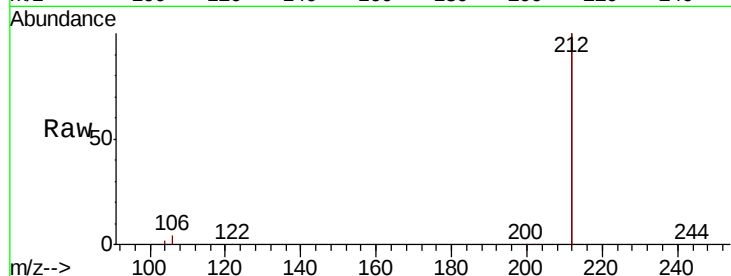
Tot Ion:212 Resp: 161850

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

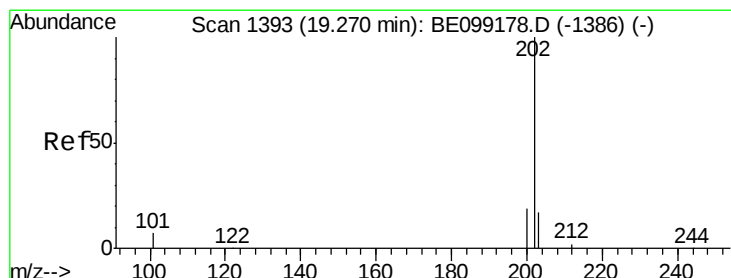
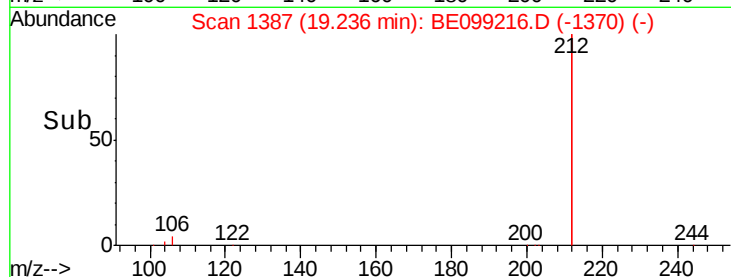
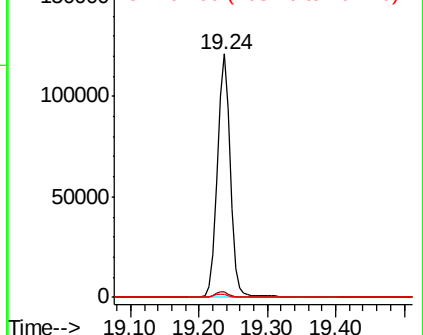
104 1.3 1.1 1.7



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: 0.421 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

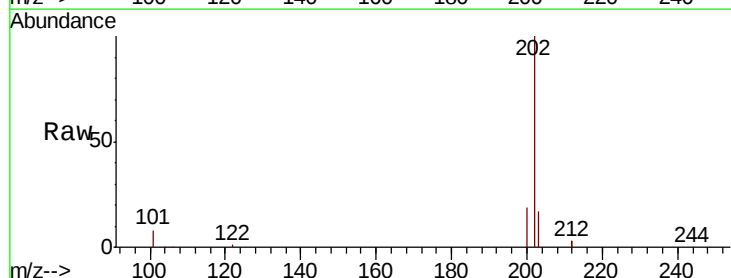
Tgt Ion:202 Resp: 45696

Ion Ratio Lower Upper

202 100

101 8.4 7.0 10.4

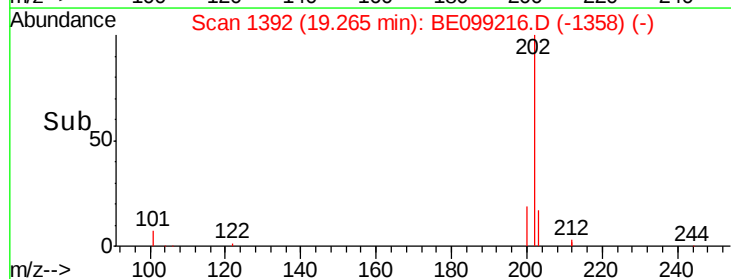
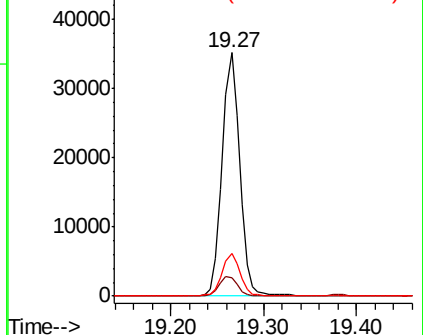
203 17.3 13.8 20.6

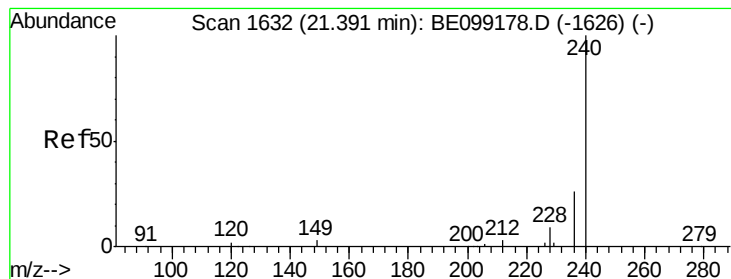


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

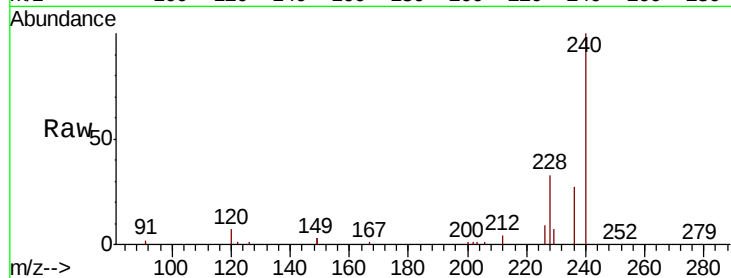
Tot Ion:240 Resp: 34784

Ion Ratio Lower Upper

240 100

120 6.5 2.6 3.8#

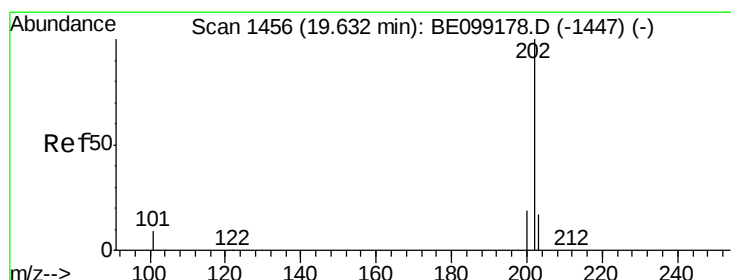
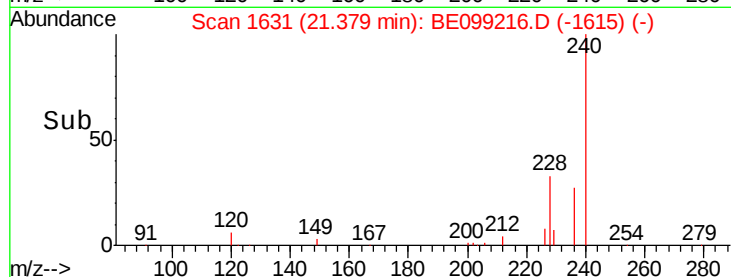
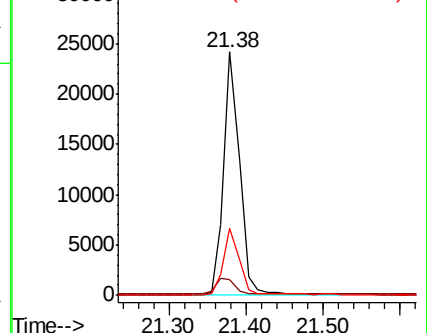
236 27.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.460 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

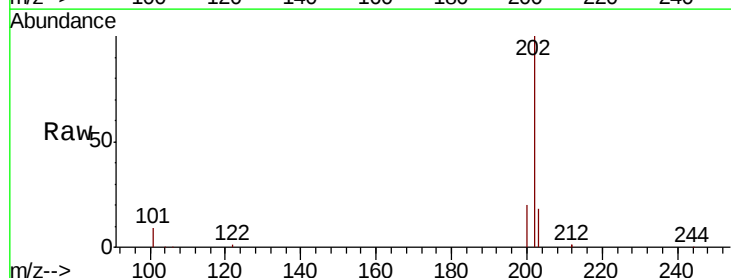
Tgt Ion:202 Resp: 53210

Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

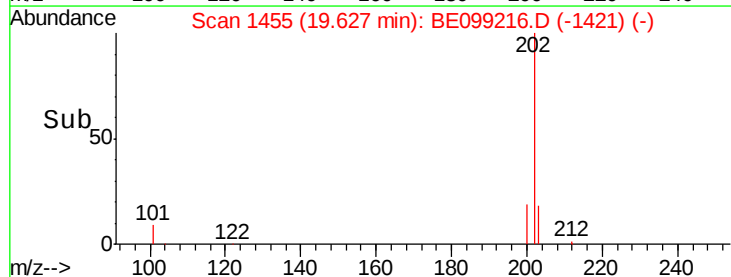
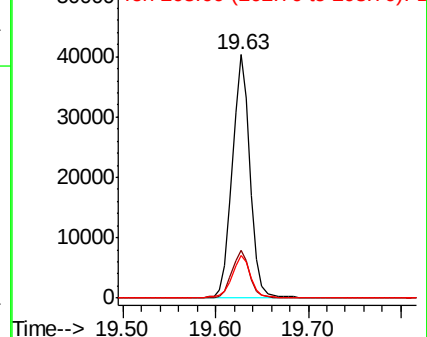
203 18.0 14.1 21.1

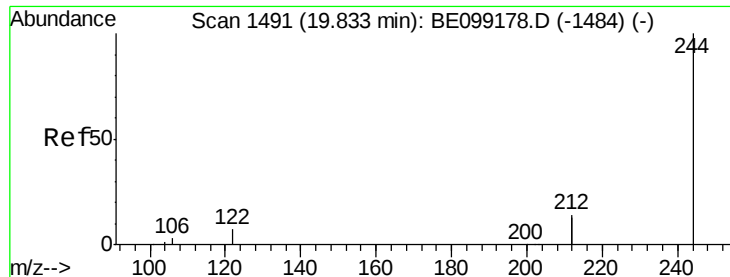


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.371 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

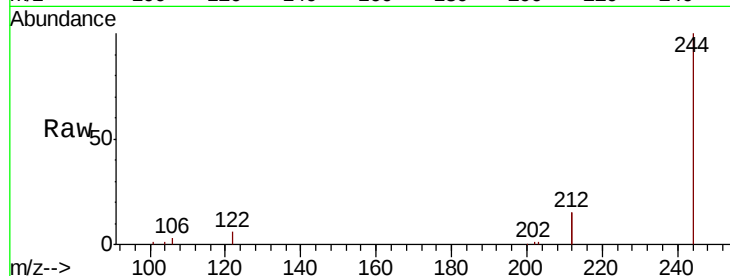
Tot Ion:244 Resp: 28086

Ion Ratio Lower Upper

244 100

212 29.7 22.7 34.1

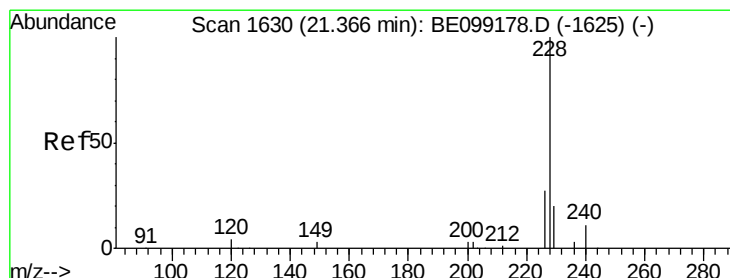
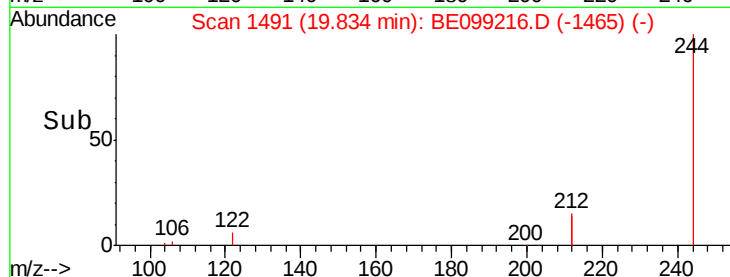
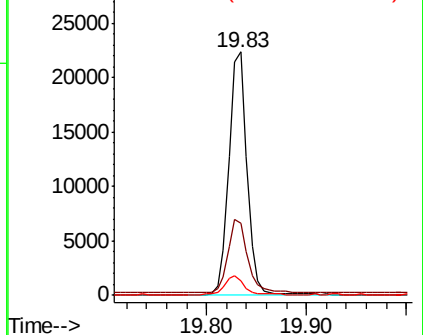
122 6.2 5.8 8.6



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: 0.410 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

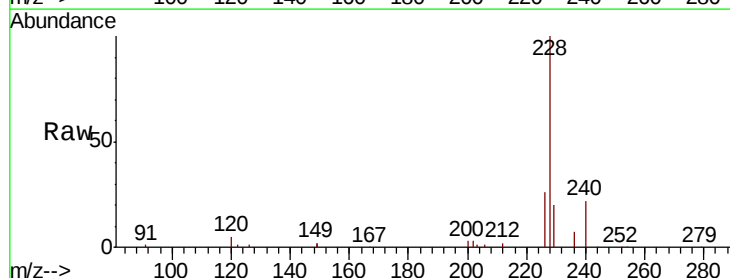
Tgt Ion:228 Resp: 47054

Ion Ratio Lower Upper

228 100

226 26.4 21.7 32.5

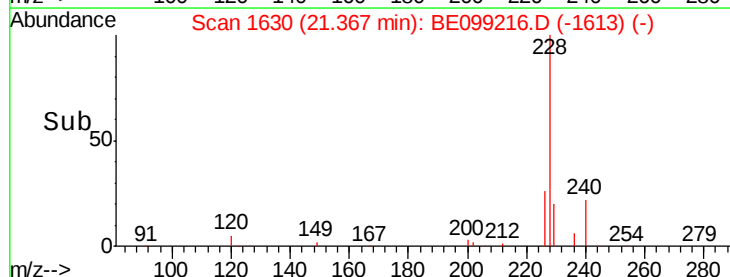
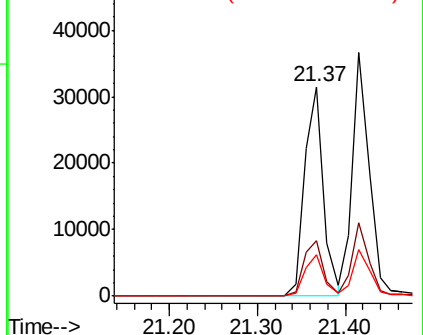
229 20.1 15.9 23.9

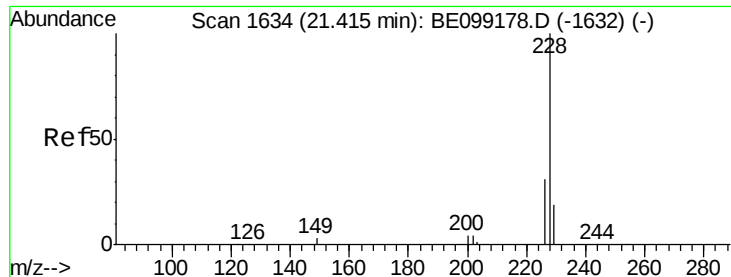


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.393 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

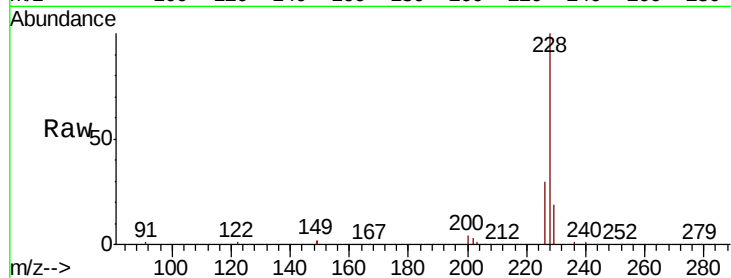
Tot Ion:228 Resp: 48163

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

229 19.3 15.4 23.0

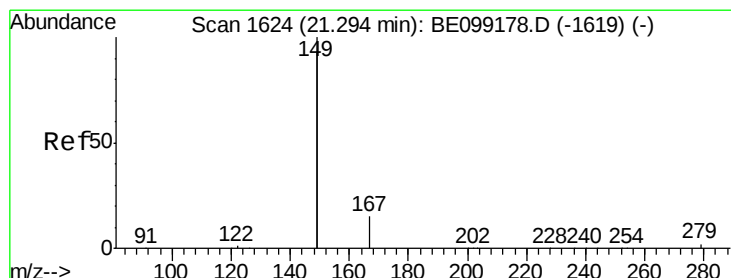
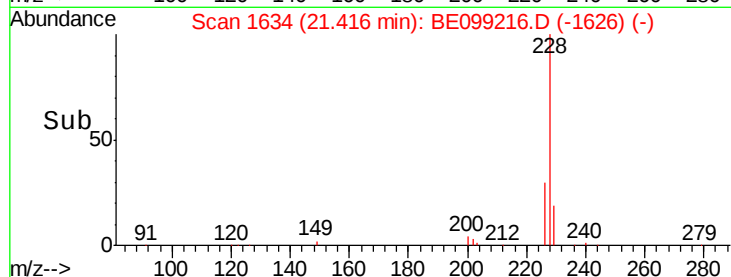
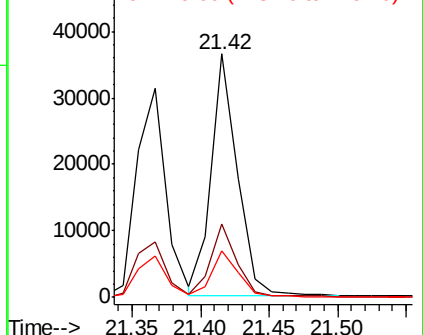


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.575 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

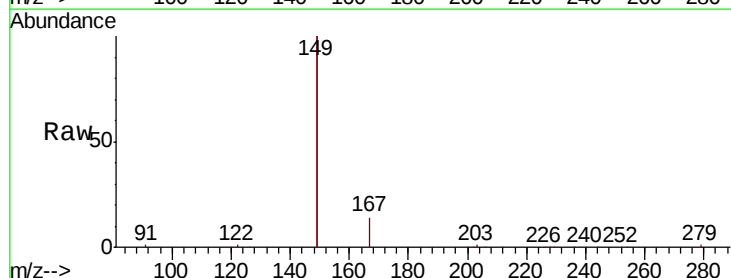
Tgt Ion:149 Resp: 78763

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

279 1.1 1.0 1.6

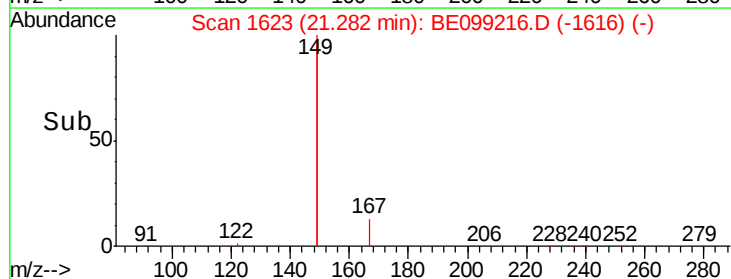
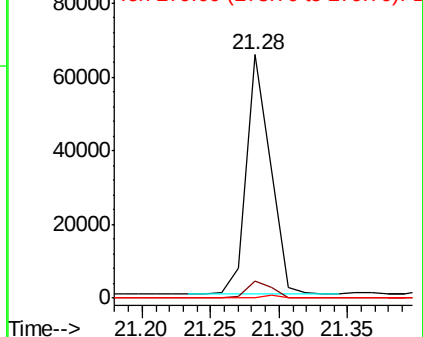


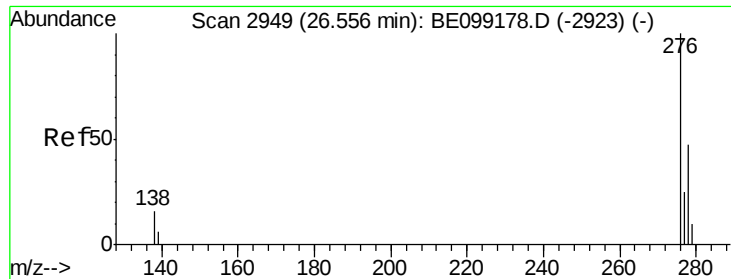
Abundance

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

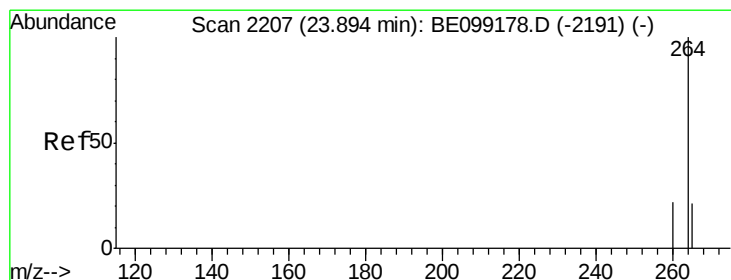
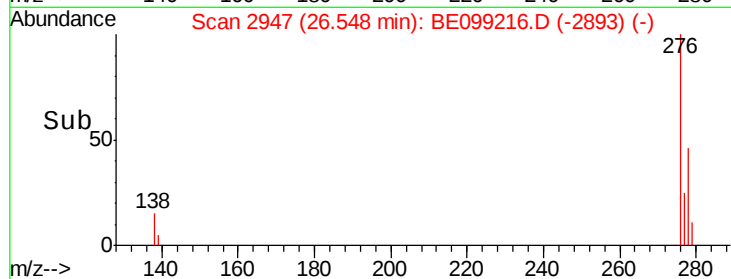
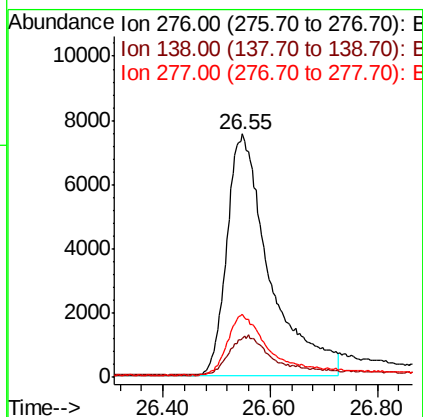
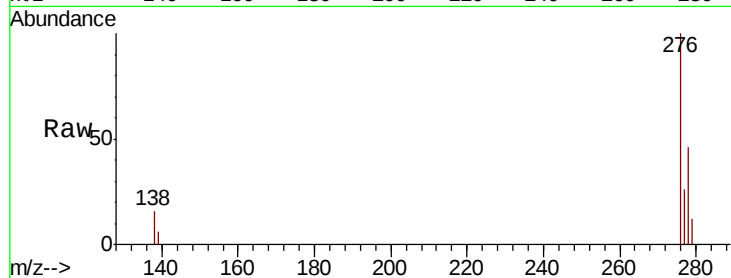




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

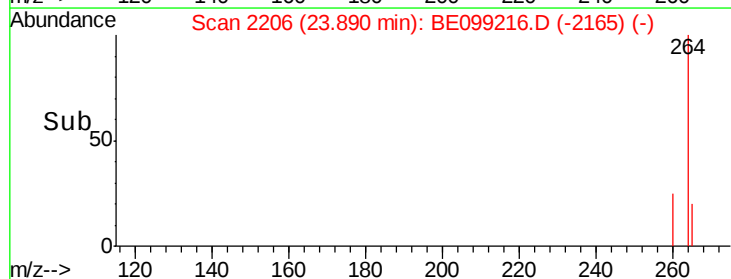
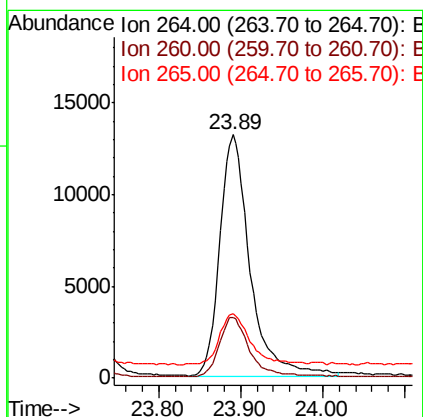
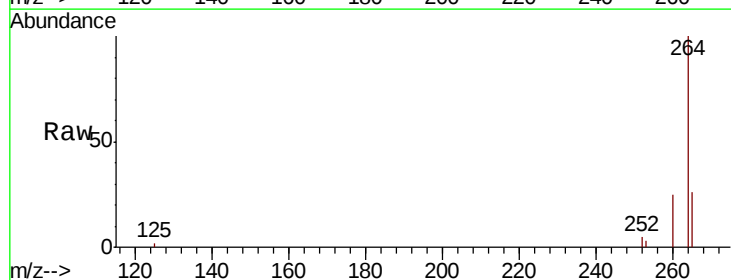
Instrument :
BNA_E
ClientSampleId :

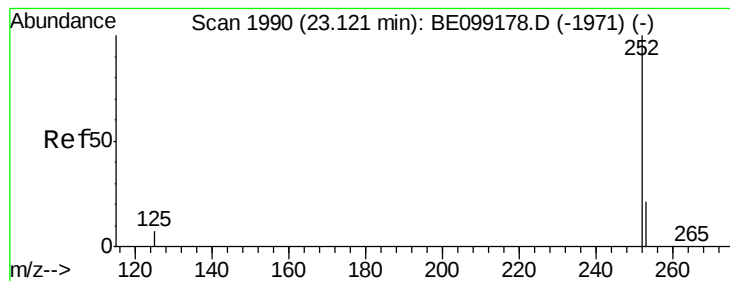
Tot Ion:276 Resp: 41547
Ion Ratio Lower Upper
276 100
138 14.9 12.9 19.3
277 23.6 18.3 27.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE099216.D
Acq: 26 Mar 2019 15:36

Tgt Ion:264 Resp: 33591
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.2
265 26.4 21.8 32.8





#35

Benzo(b)fluoranthene

Concen: 0.380 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

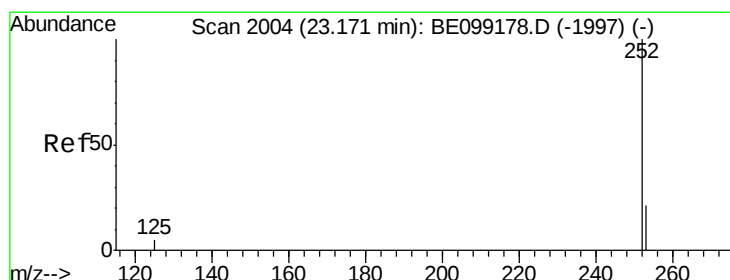
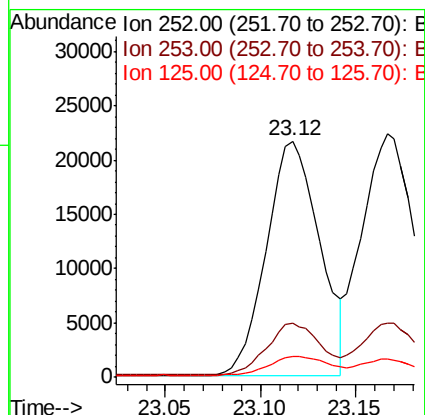
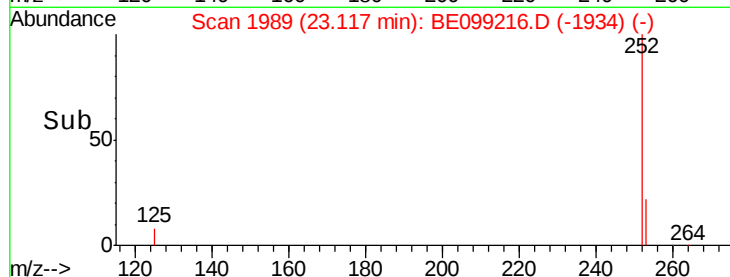
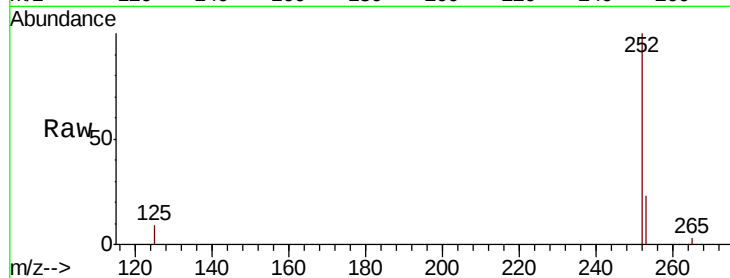
Tot Ion:252 Resp: 42046

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 8.8 6.1 9.1



#36

Benzo(k)fluoranthene

Concen: 0.403 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

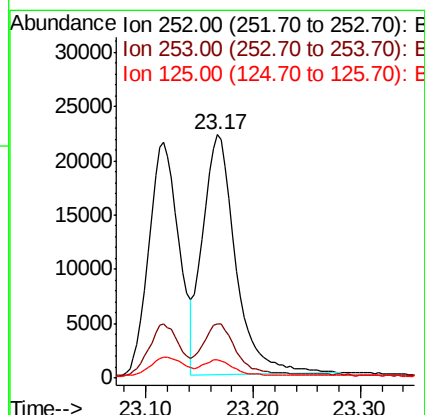
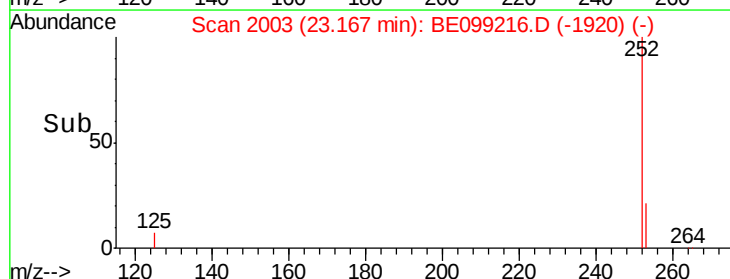
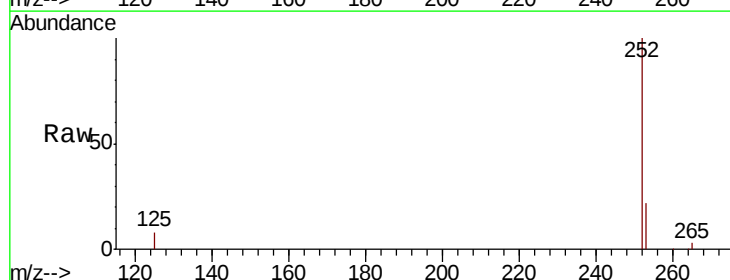
Tgt Ion:252 Resp: 47038

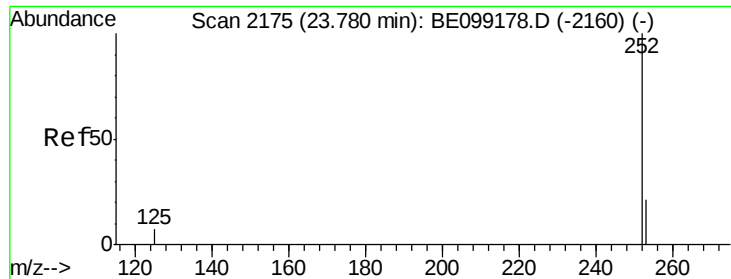
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 7.7 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.415 ng

RT: 23.78 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

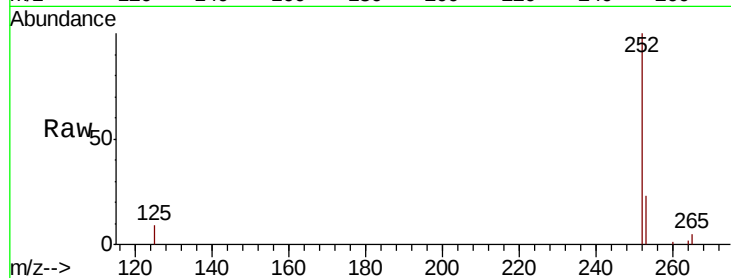
Tot Ion:252 Resp: 42837

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

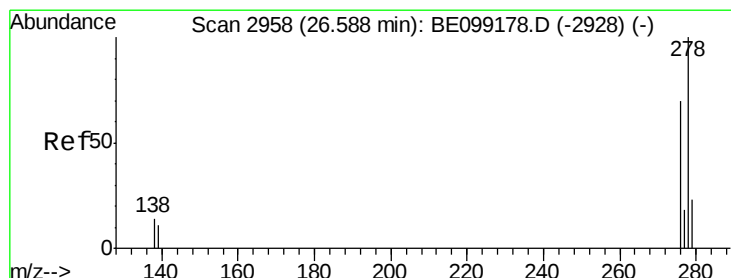
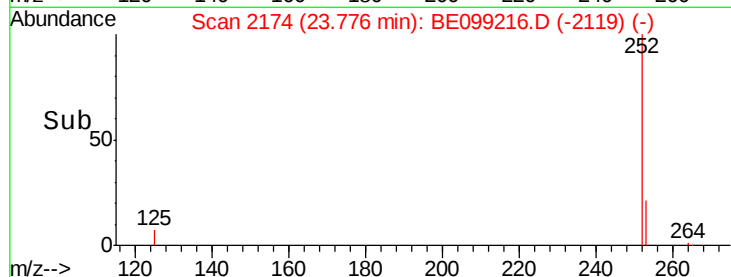
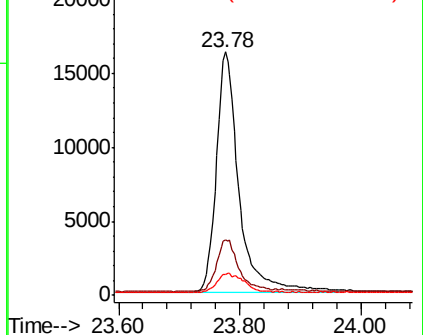
125 8.6 6.8 10.2



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



#38

Dibenzo(a,h)anthracene

Concen: 0.382 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

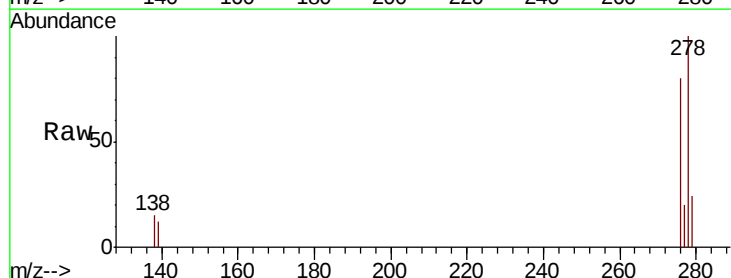
Tgt Ion:278 Resp: 35009

Ion Ratio Lower Upper

278 100

139 11.6 9.5 14.3

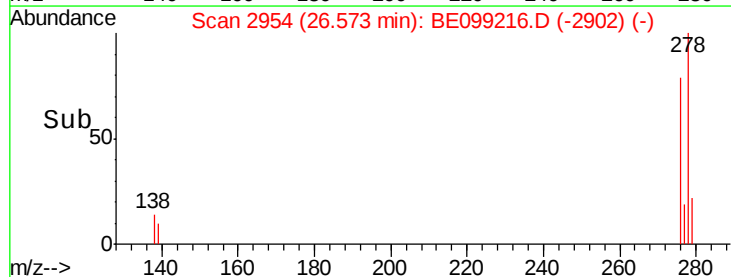
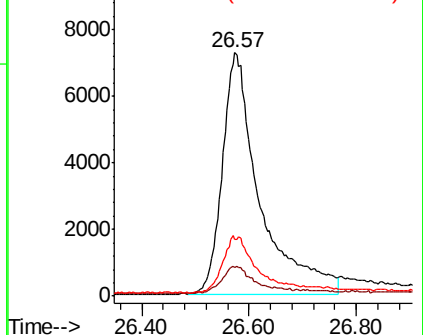
279 23.6 19.1 28.7

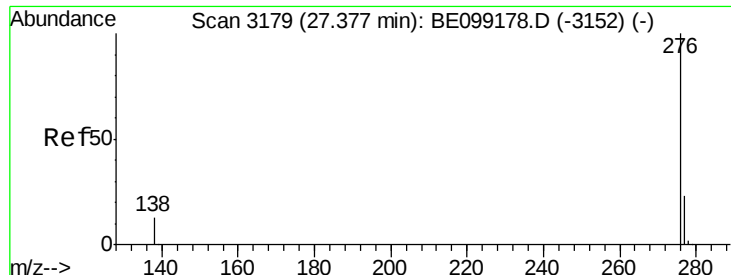


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.355 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE099216.D

Acq: 26 Mar 2019 15:36

Instrument :

BNA_E

ClientSampleId :

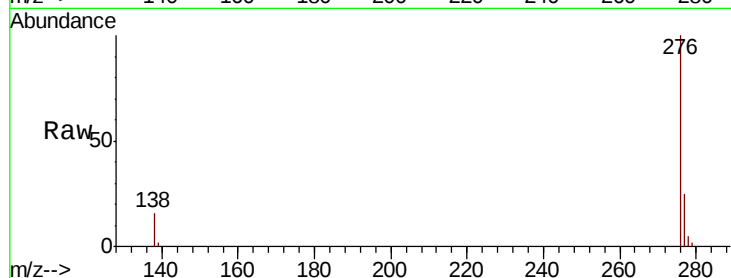
Tot Ion:276 Resp: 32611

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 16.0 11.1 16.7



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

