

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099197.D
 Acq On : 26 Mar 2019 1:51
 Operator : JU/SJ
 Sample : K2073-03RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 P001-TW001-03MSD

Quant Time: Mar 26 07:11:13 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	7.83	152	3496	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	13881	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	10424	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	32556	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39350	0.40	ng	-0.01
34) Perylene-d12	23.89	264	37602	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1902	0.18	ng	0.00
5) Phenol-d6	6.99	99	1730	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	4223	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	14491	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1691	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	16338	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	160498	0.41	ng	0.00
29) Terphenyl-d14	19.83	244	32173	0.38	ng	0.00

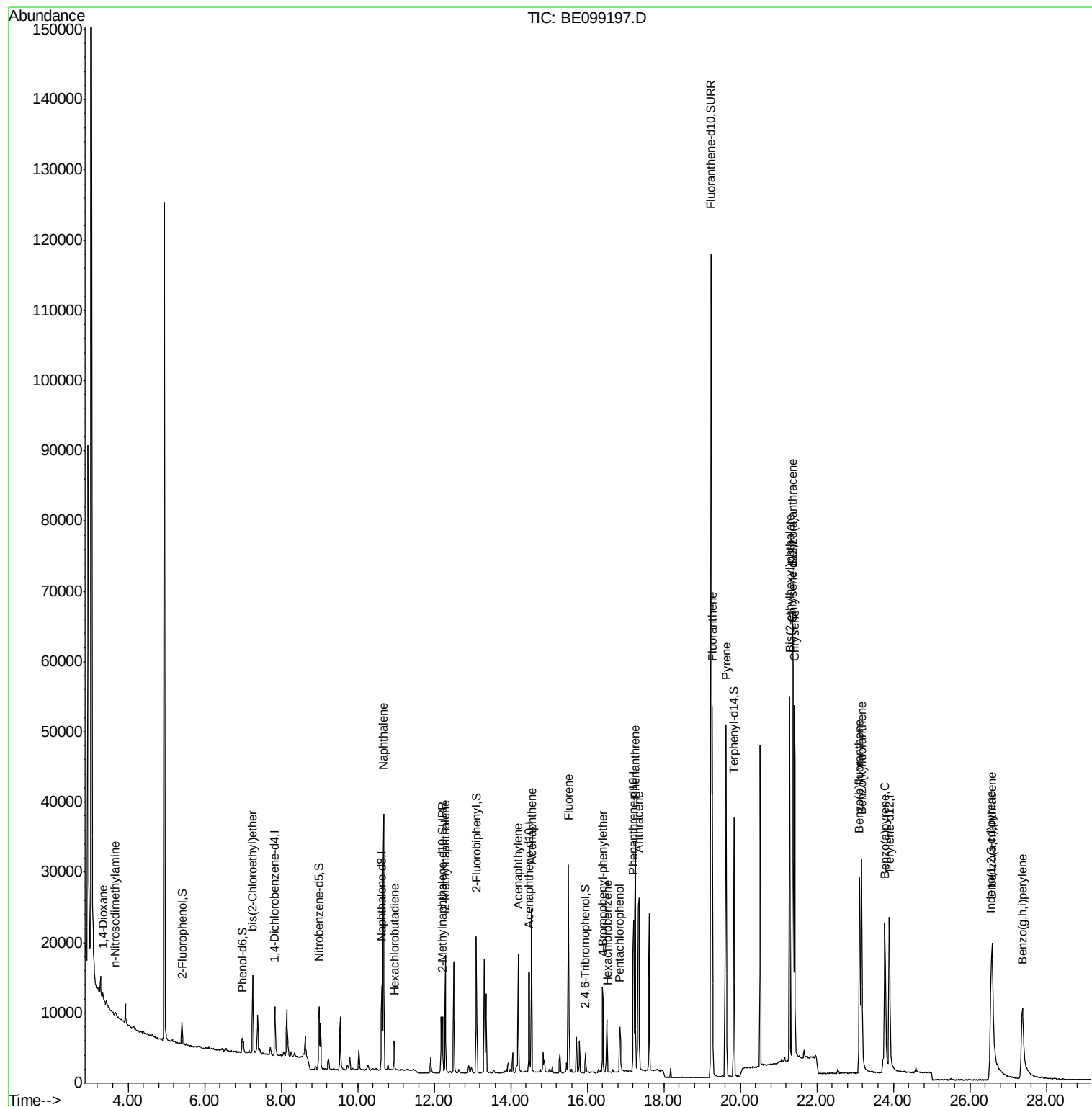
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	851	0.185	ng	# 21
3) n-Nitrosodimethylamine	3.67	42	396	0.154	ng	# 94
6) bis(2-Chloroethyl)ether	7.25	93	4447	0.355	ng	100
9) Naphthalene	10.68	128	59290	0.362	ng	100
10) Hexachlorobutadiene	10.95	225	2854	0.327	ng	98
12) 2-Methylnaphthalene	12.30	142	10682	0.365	ng	99
16) Acenaphthylene	14.20	152	18491	0.348	ng	99
17) Acenaphthene	14.54	154	11501	0.362	ng	99
18) Fluorene	15.51	166	17642	0.395	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	6786	0.323	ng	99
21) Hexachlorobenzene	16.52	284	6549	0.323	ng	99
22) Pentachlorophenol	16.85	266	3943	1.384	ng	92
23) Phenanthrene	17.25	178	34949	0.366	ng	100
24) Anthracene	17.35	178	31484	0.364	ng	99
26) Fluoranthene	19.27	202	47298	0.388	ng	99
28) Pyrene	19.63	202	48537	0.371	ng	100
30) Benzo(a)anthracene	21.37	228	49386	0.380	ng	99
31) Chrysene	21.41	228	49986	0.360	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	62679	0.405	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	43155	0.329	ng	# 83
35) Benzo(b)fluoranthene	23.12	252	44575	0.360	ng	99
36) Benzo(k)fluoranthene	23.17	252	49090	0.375	ng	100
37) Benzo(a)pyrene	23.78	252	44028	0.381	ng	99
38) Dibenzo(a,h)anthracene	26.58	278	36383	0.354	ng	97
39) Benzo(g,h,i)perylene	27.37	276	36964	0.359	ng	97

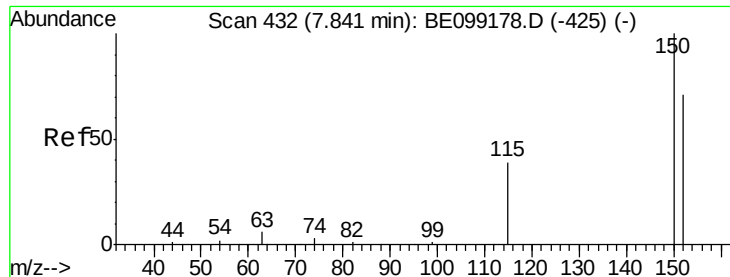
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

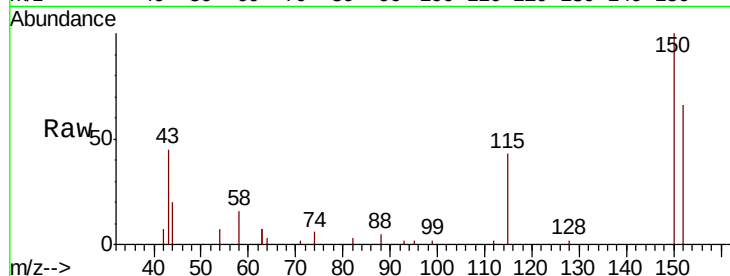
Tgt Ion: 152 Resp: 3496

Ion Ratio Lower Upper

152 100

150 151.0 112.8 169.2

115 64.7 45.1 67.7

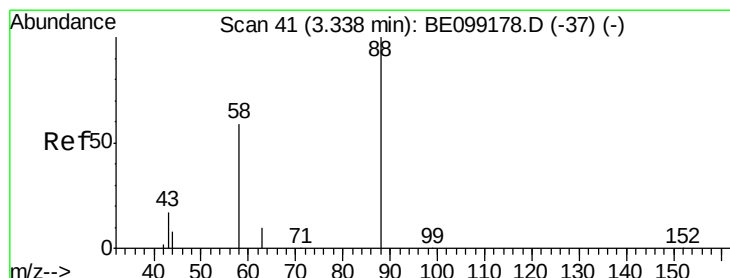
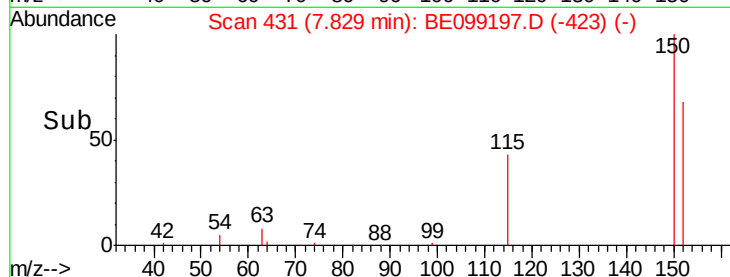
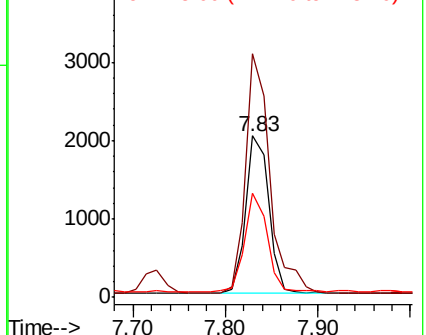


Abundance

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: 0.185 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

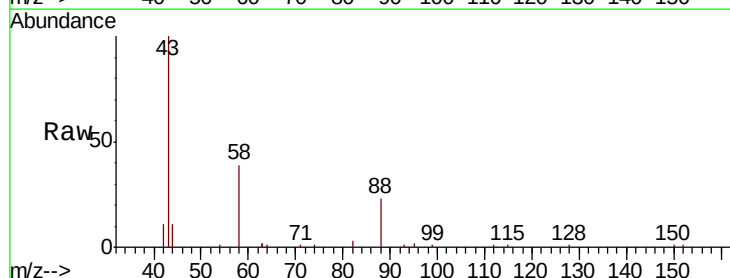
Tgt Ion: 88 Resp: 851

Ion Ratio Lower Upper

88 100

58 127.3 47.4 71.0#

43 0.0 15.6 23.4#

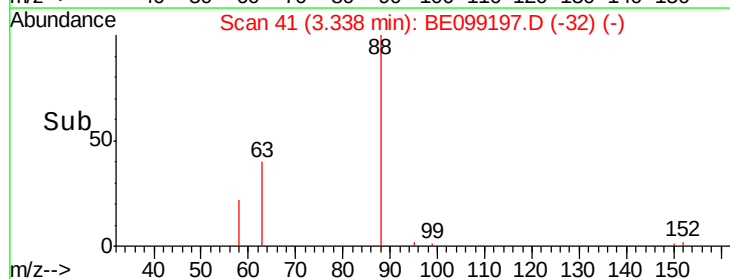
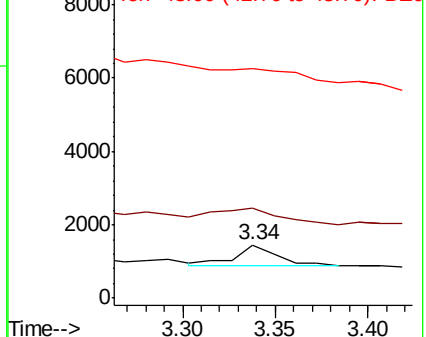


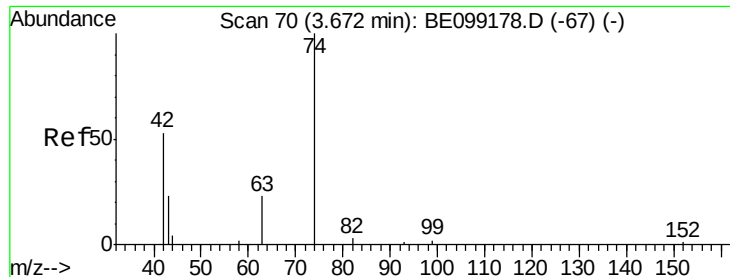
Abundance

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: 0.154 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

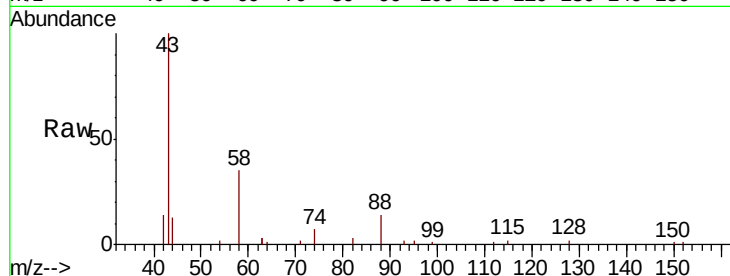
Tgt Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

74 169.9 138.6 207.8

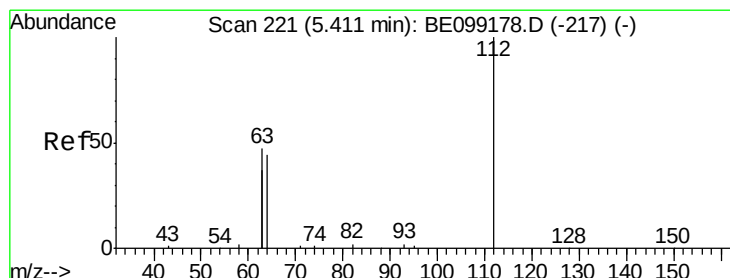
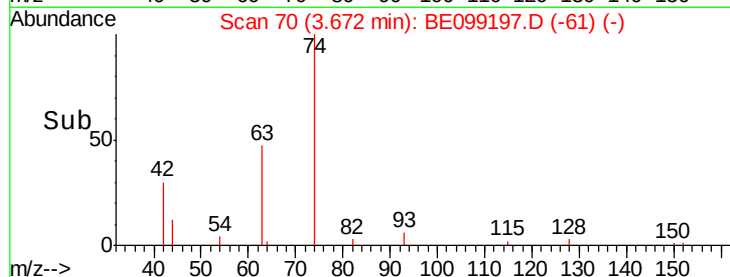
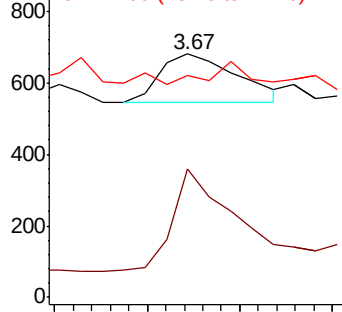
44 0.0 15.0 22.6#



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



#4

2-Fluorophenol

Concen: 0.182 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

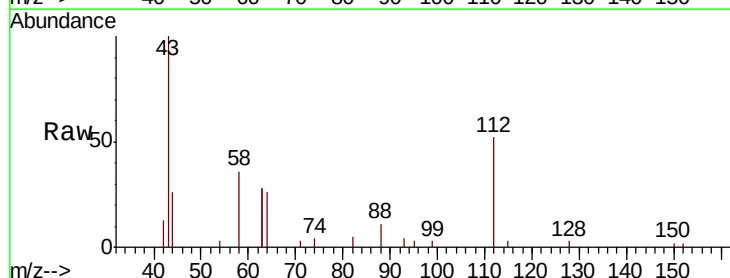
Tgt Ion: 112 Resp: 1902

Ion Ratio Lower Upper

112 100

64 61.0 46.2 69.2

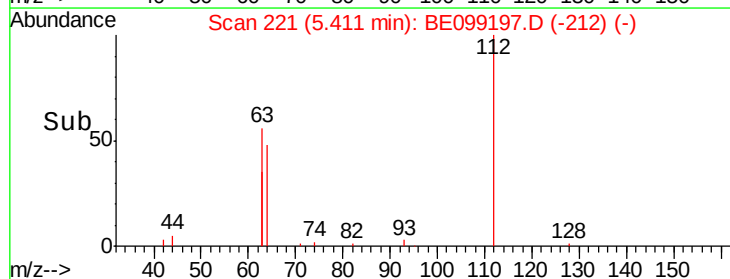
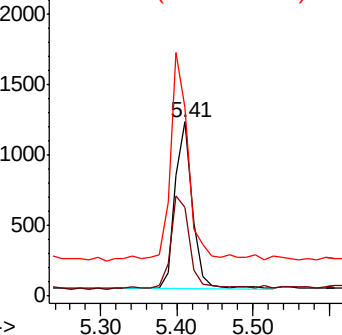
63 120.7 89.9 134.9

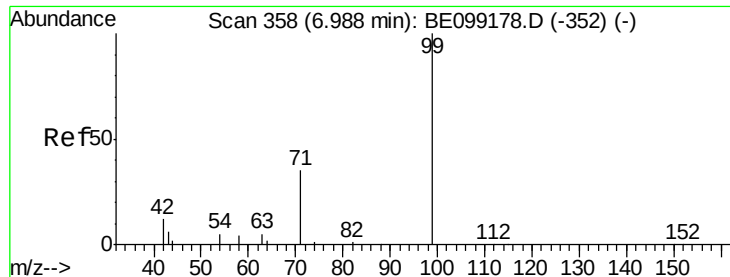


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.108 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

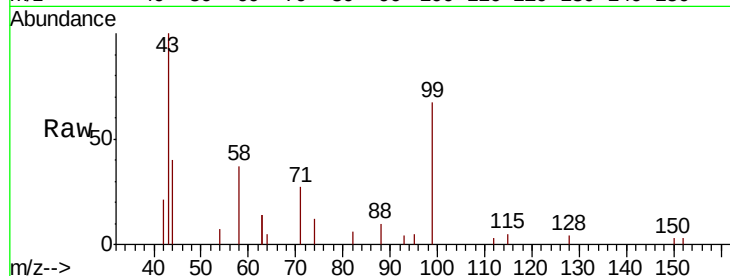
Tgt Ion: 99 Resp: 1730

Ion Ratio Lower Upper

99 100

42 19.6 12.4 18.6#

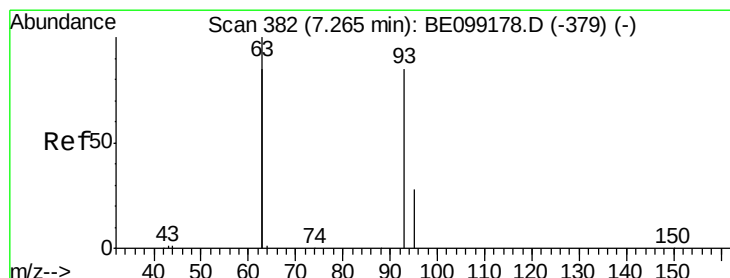
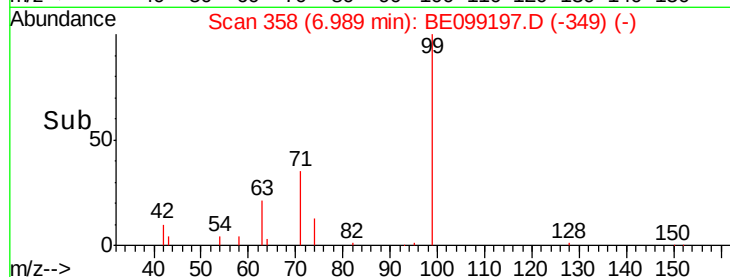
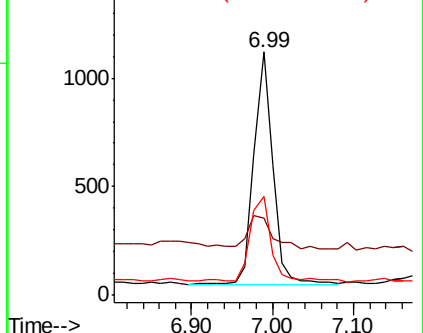
71 42.8 28.4 42.6#



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: 0.355 ng

RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

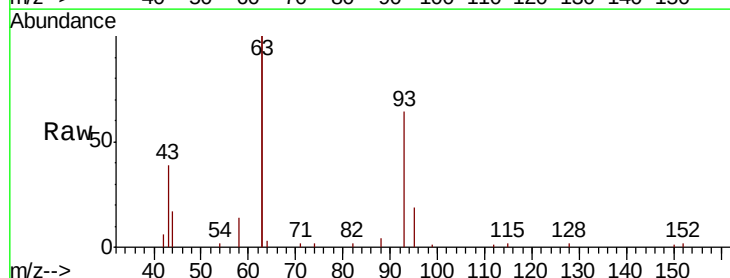
Tgt Ion: 93 Resp: 4447

Ion Ratio Lower Upper

93 100

63 277.1 221.4 332.0

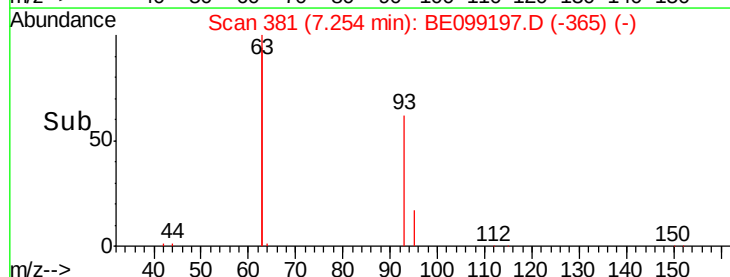
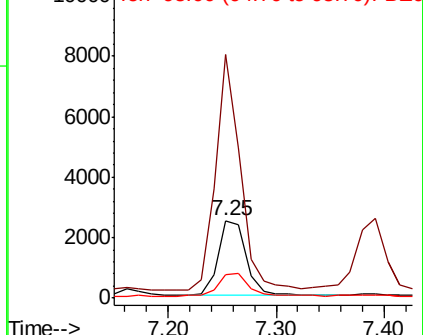
95 32.0 25.8 38.8

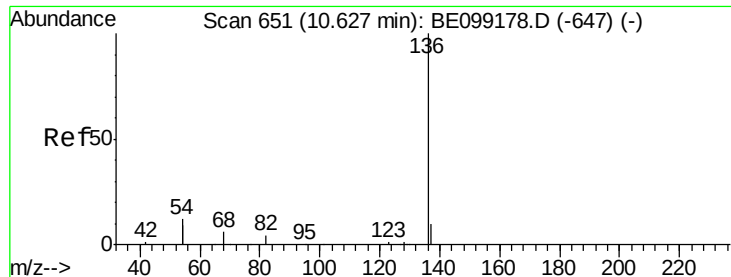


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

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ClientSampleId :

P001-TW001-03MSD

Tgt Ion: 136 Resp: 13881

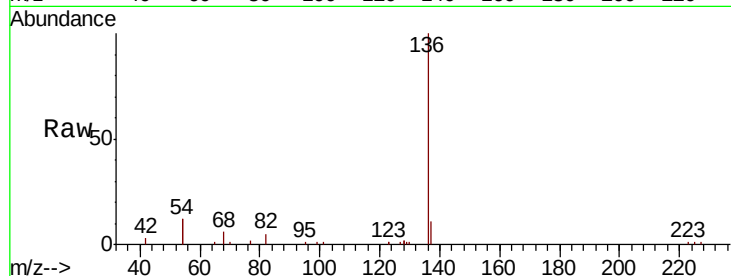
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 23.1 18.7 28.1

68 6.2 5.2 7.8

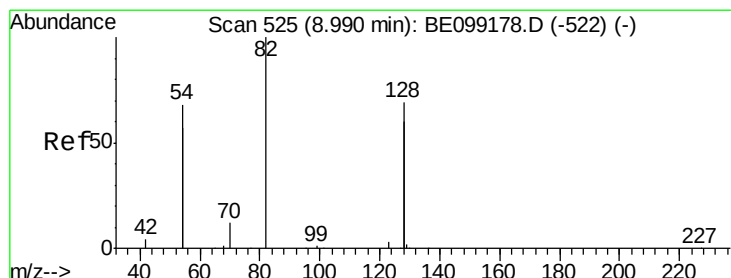
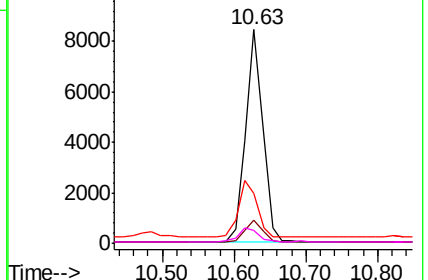
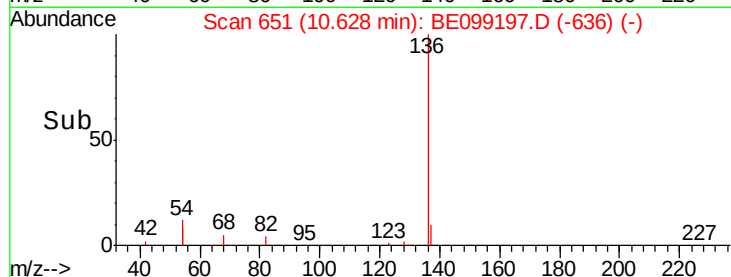


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.372 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

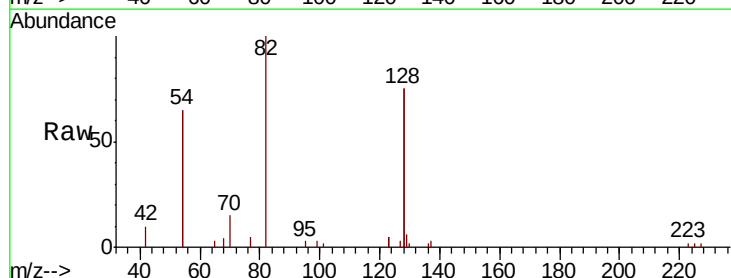
Tgt Ion: 82 Resp: 4223

Ion Ratio Lower Upper

82 100

128 149.5 107.5 161.3

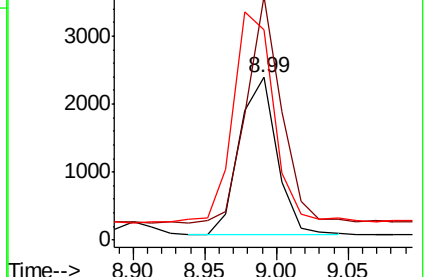
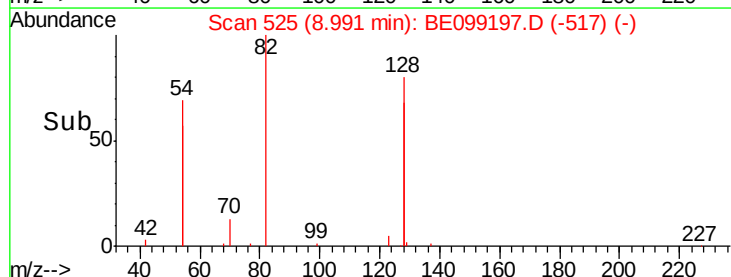
54 129.4 106.3 159.5

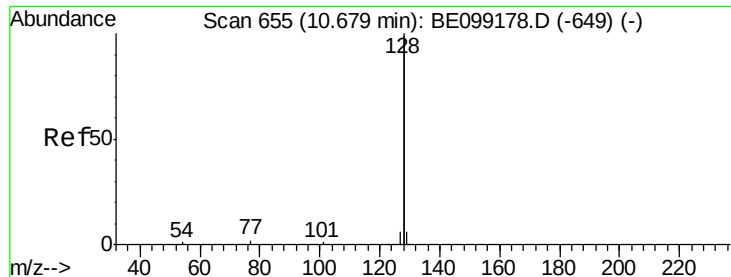


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.362 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099197.D

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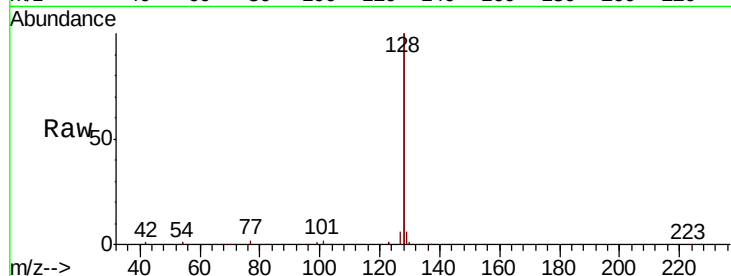
Tgt Ion:128 Resp: 59290

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

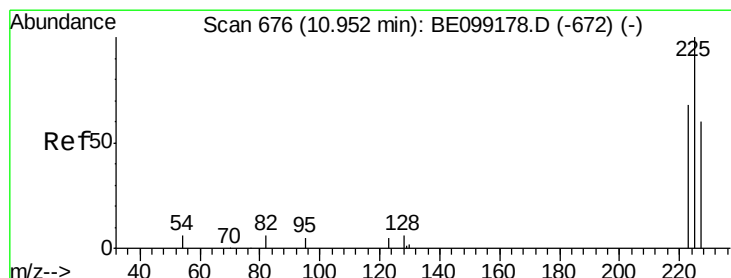
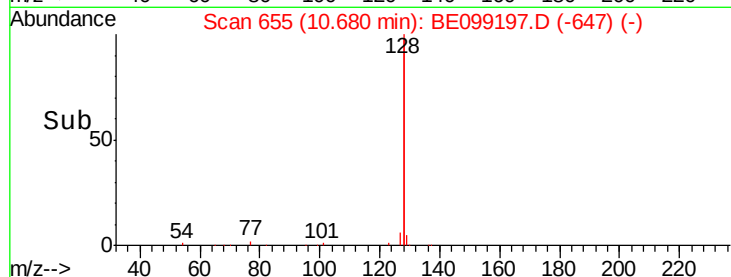
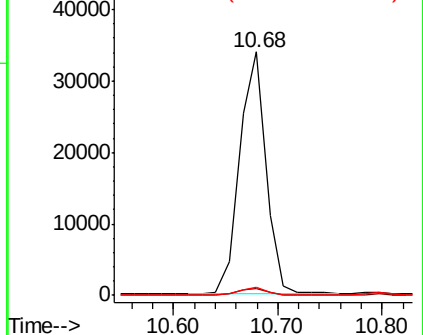
127 3.2 2.6 3.8



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: 0.327 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

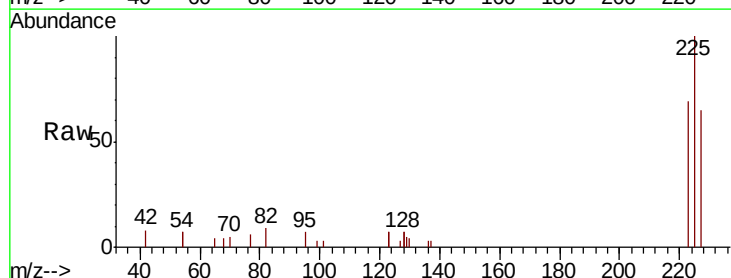
Tgt Ion:225 Resp: 2854

Ion Ratio Lower Upper

225 100

223 64.9 51.3 76.9

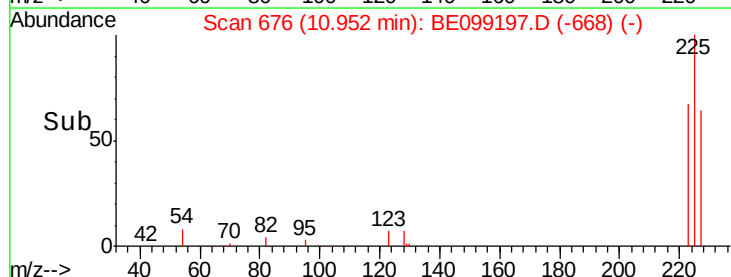
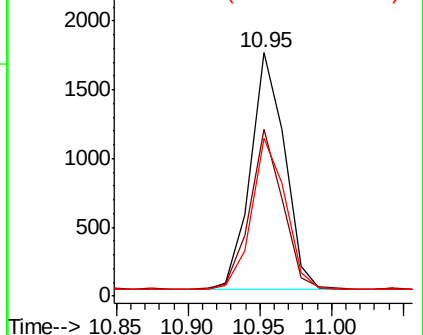
227 63.5 48.6 73.0

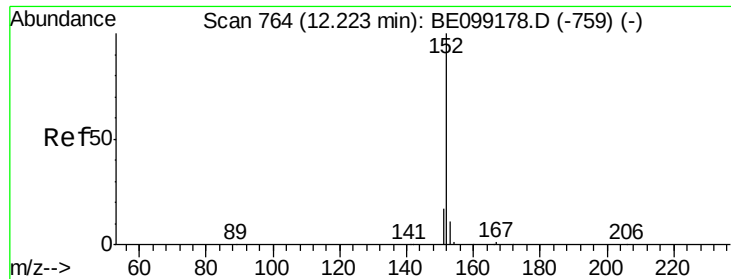


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

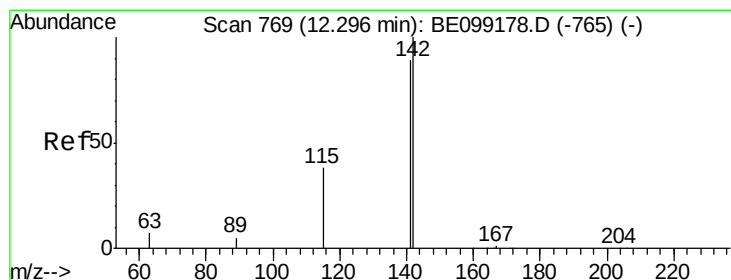
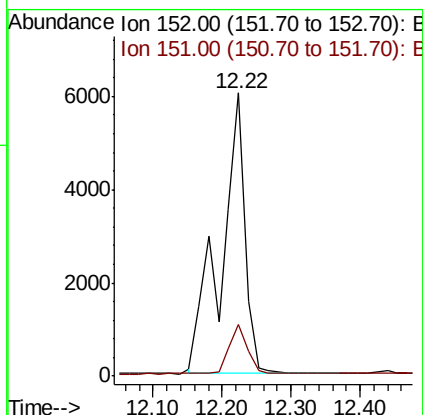
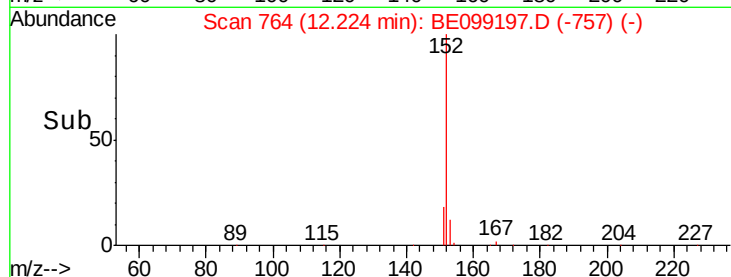
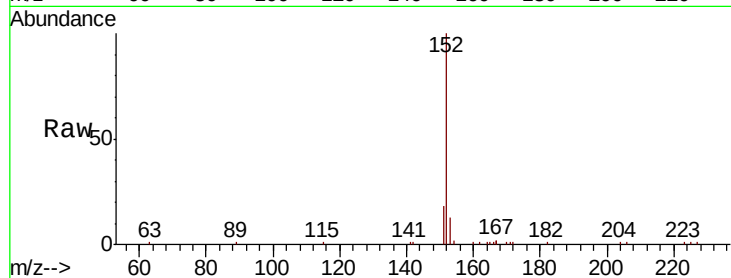




#11
 2-Methylnaphthalene-d10
 Concen: 0.542 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099197.D
 Acq: 26 Mar 2019 1:51

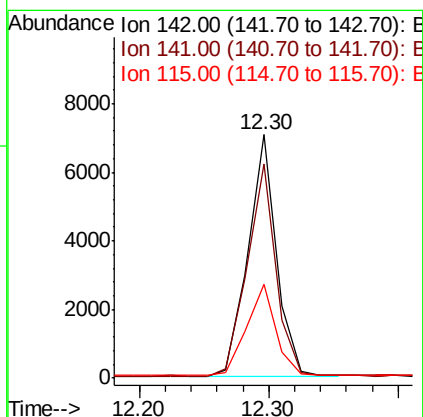
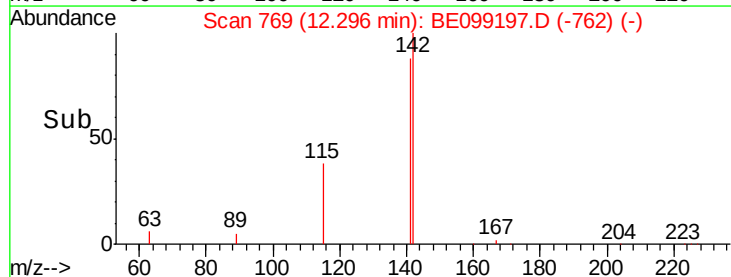
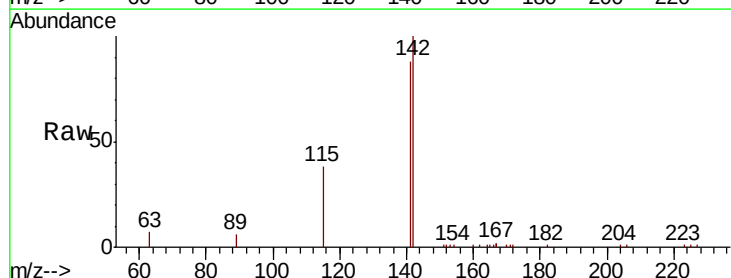
Instrument :
 BNA_E
 ClientSampleId :
 P001-TW001-03MSD

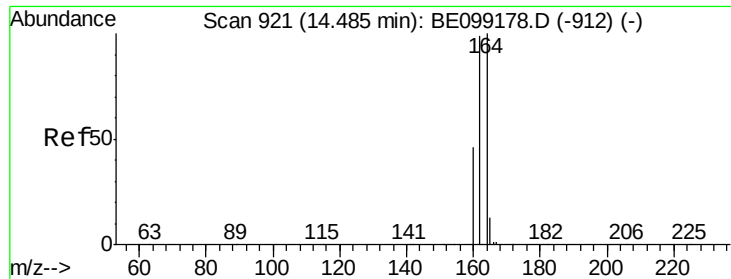
Tgt Ion:152 Resp: 14491
 Ion Ratio Lower Upper
 152 100
 151 13.4 15.0 22.6#



#12
 2-Methylnaphthalene
 Concen: 0.365 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099197.D
 Acq: 26 Mar 2019 1:51

Tgt Ion:142 Resp: 10682
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.3 106.9
 115 38.5 30.4 45.6

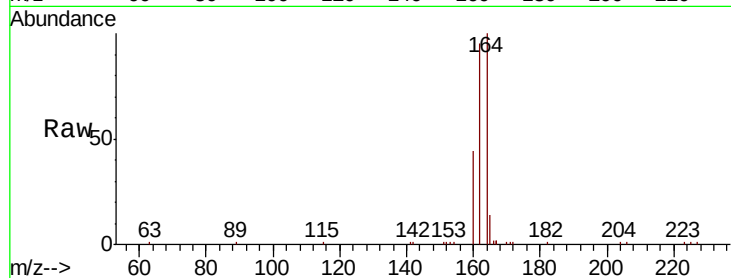




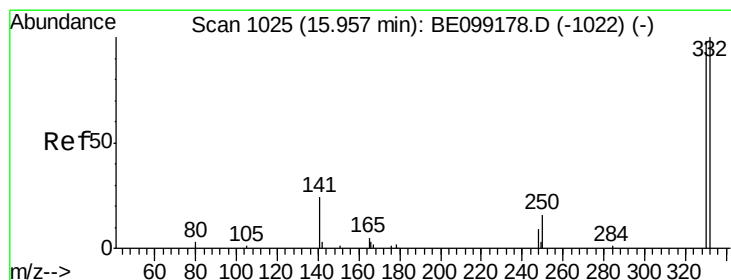
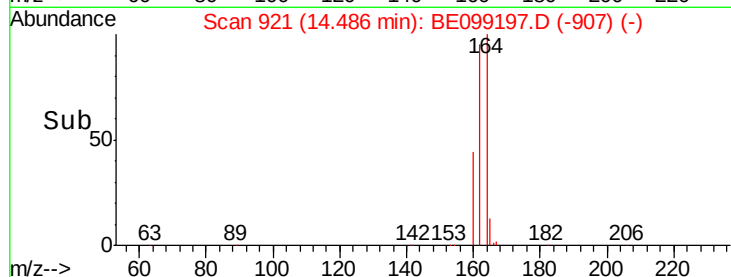
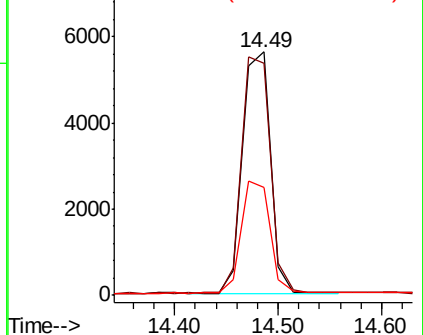
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099197.D
Acq: 26 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
P001-TW001-03MSD

Tgt Ion:164 Resp: 10424
Ion Ratio Lower Upper
164 100
162 95.4 79.2 118.8
160 44.3 36.7 55.1

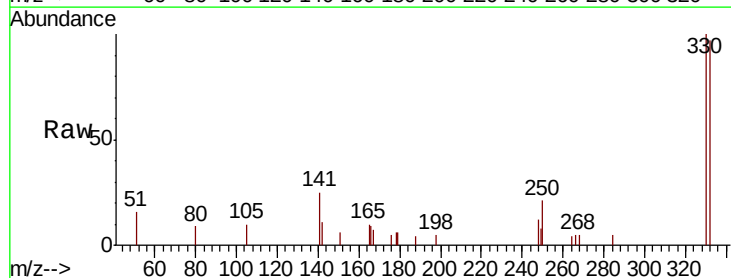


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

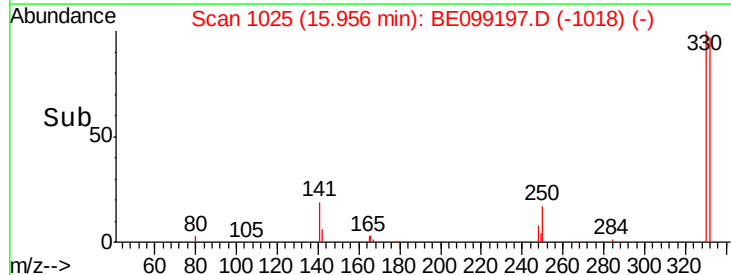
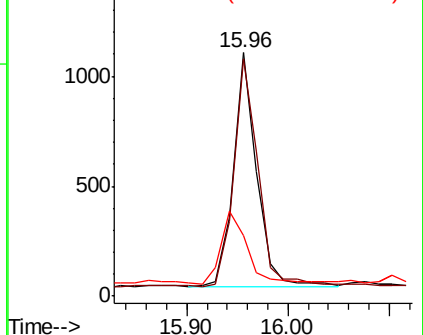


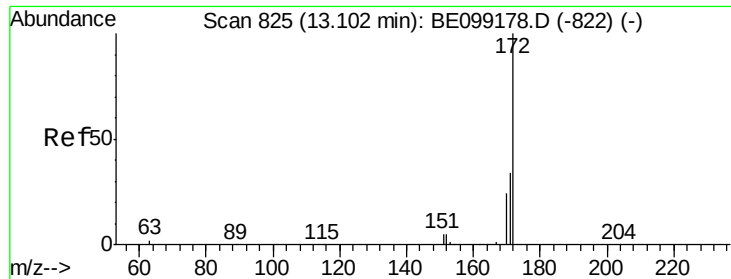
#14
2,4,6-Tribromophenol
Concen: 0.513 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099197.D
Acq: 26 Mar 2019 1:51

Tgt Ion:330 Resp: 1691
Ion Ratio Lower Upper
330 100
332 103.3 71.3 106.9
141 31.9 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

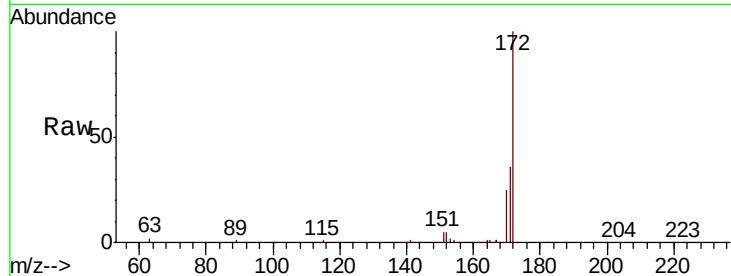




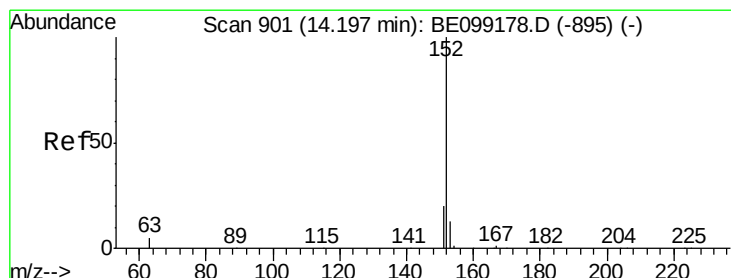
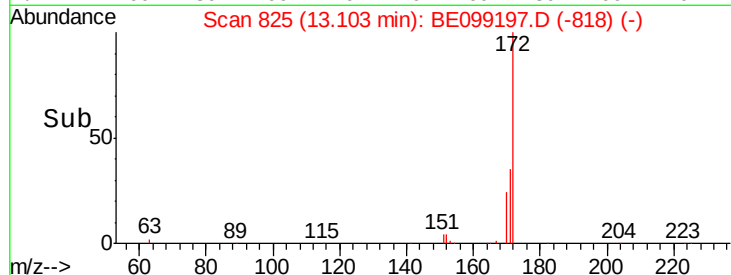
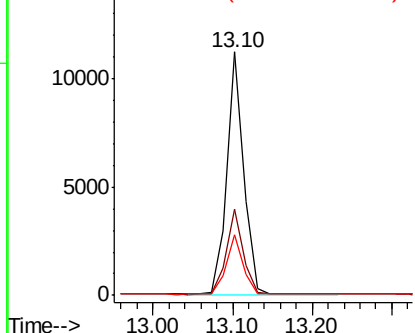
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099197.D
Acq: 26 Mar 2019 1:51

Instrument :
BNA_E
ClientSampleId :
P001-TW001-03MSD

Tgt Ion:172 Resp: 16338
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.0
170 24.7 19.1 28.7

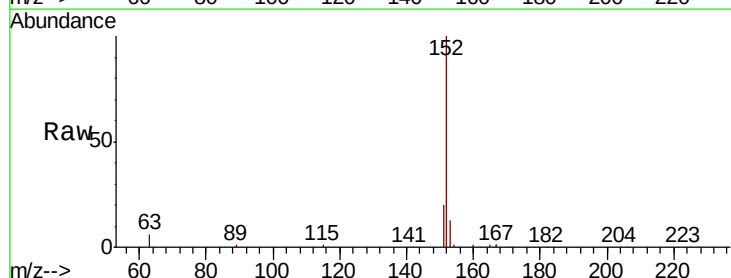


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

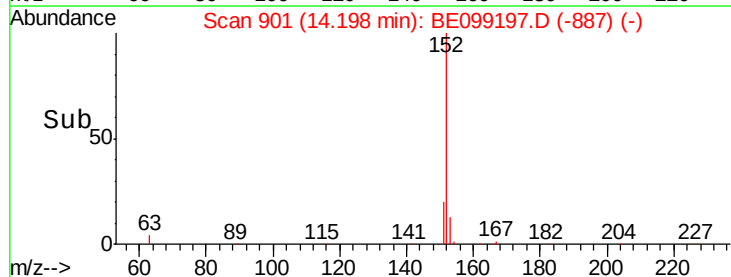
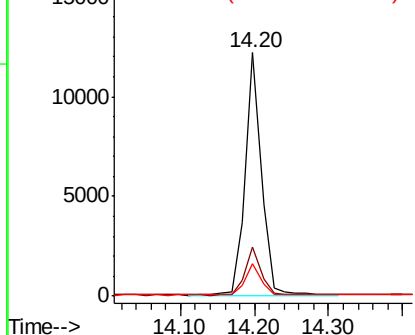


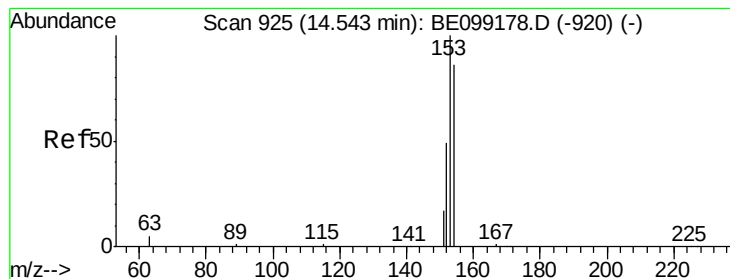
#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099197.D
Acq: 26 Mar 2019 1:51

Tgt Ion:152 Resp: 18491
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 12.9 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.362 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

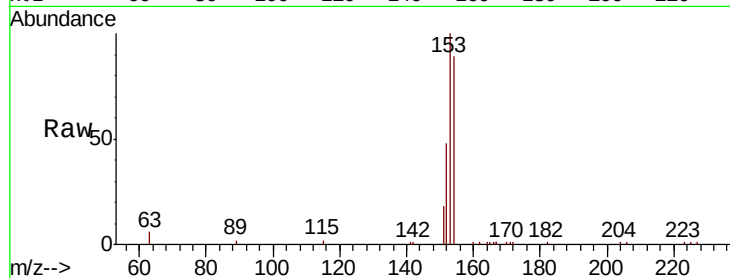
Tgt Ion:154 Resp: 11501

Ion Ratio Lower Upper

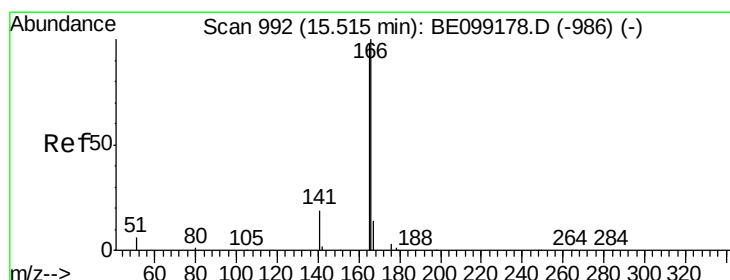
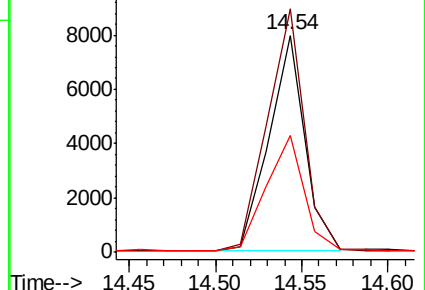
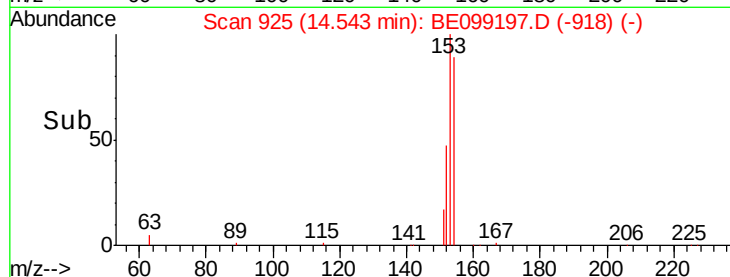
154 100

153 115.5 93.4 140.0

152 56.8 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: 0.395 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

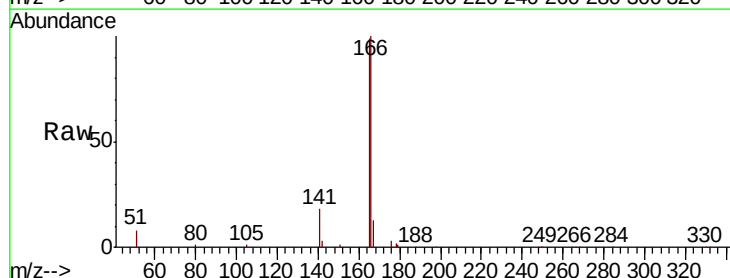
Tgt Ion:166 Resp: 17642

Ion Ratio Lower Upper

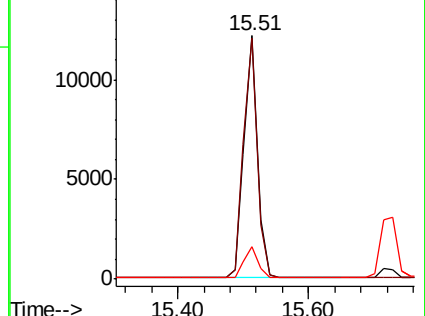
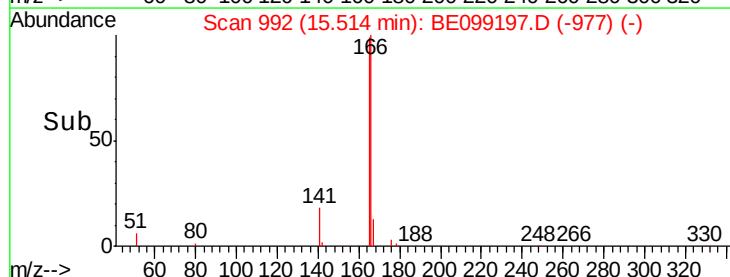
166 100

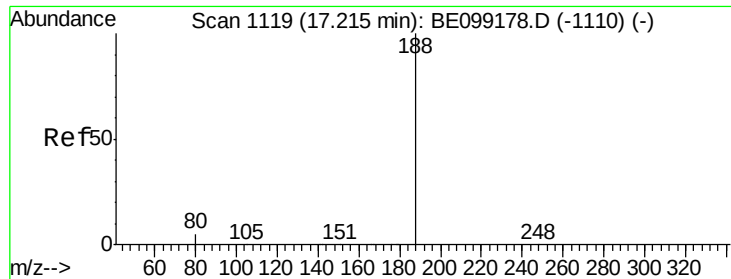
165 100.5 78.9 118.3

167 13.2 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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

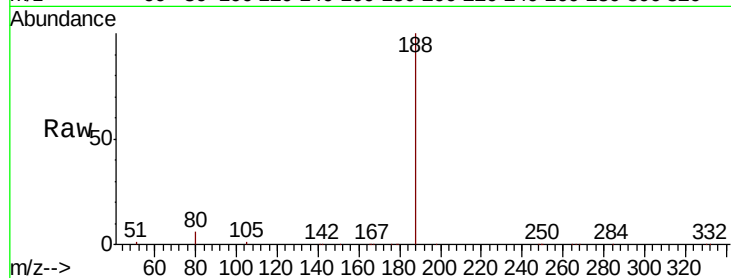
Tgt Ion:188 Resp: 32556

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

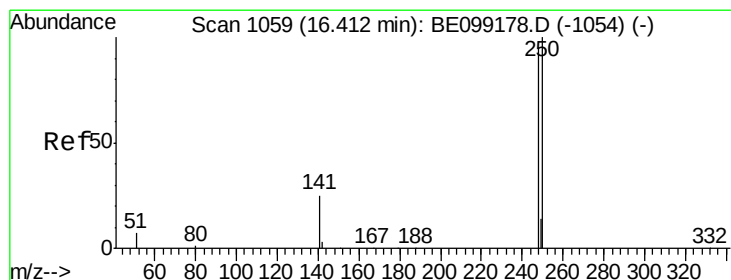
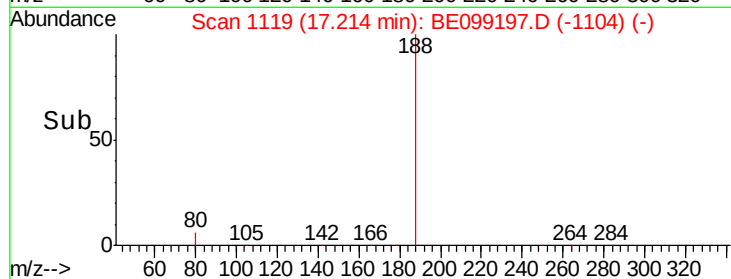
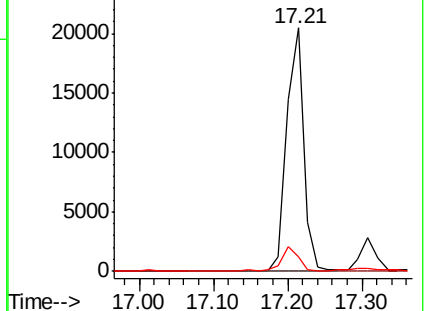
80 5.9 4.5 6.7



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: 0.323 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

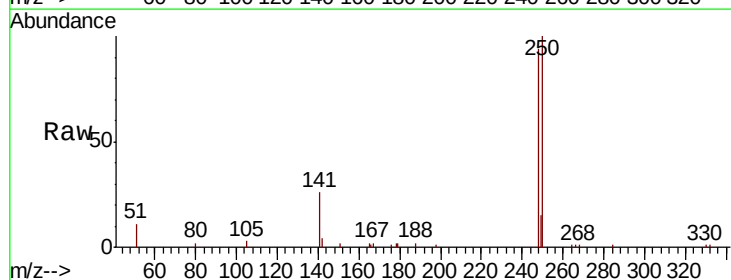
Tgt Ion:248 Resp: 6786

Ion Ratio Lower Upper

248 100

250 106.3 84.2 126.2

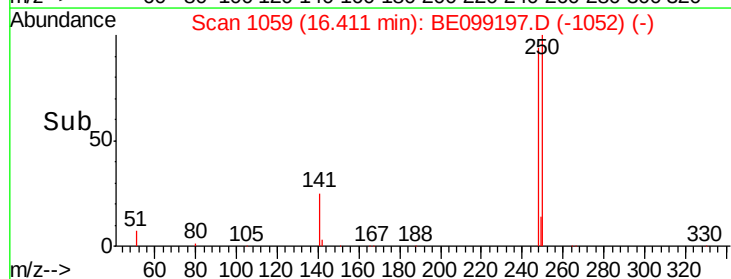
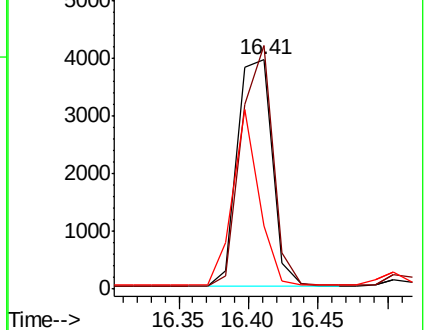
141 27.7 21.8 32.6

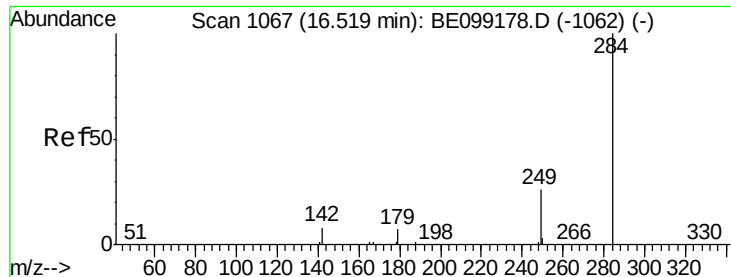


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.323 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

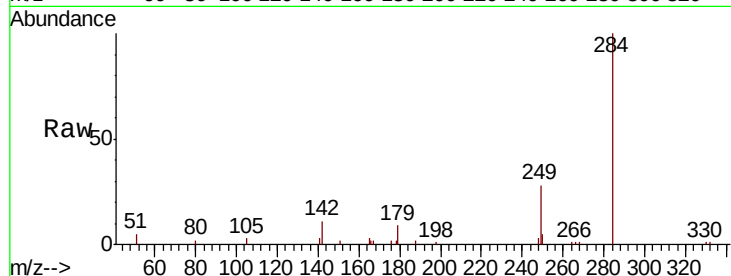
Tgt Ion:284 Resp: 6549

Ion Ratio Lower Upper

284 100

142 29.3 22.7 34.1

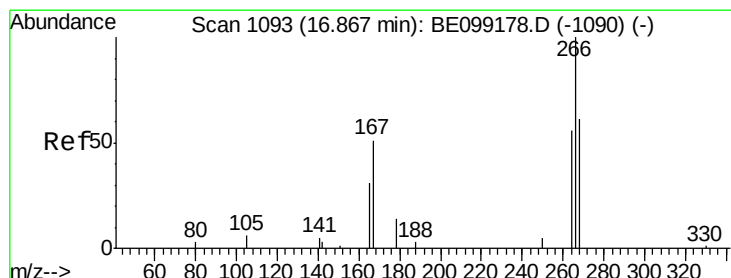
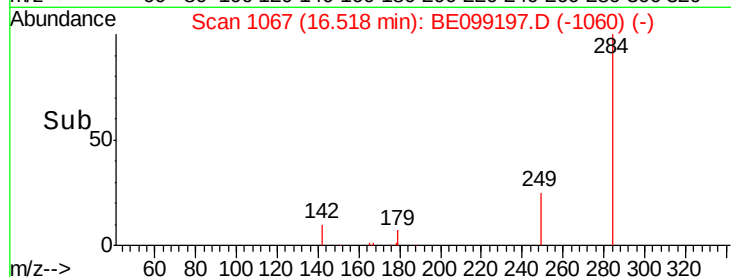
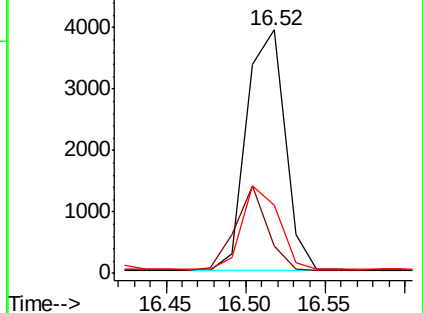
249 33.6 26.9 40.3



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: 1.384 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

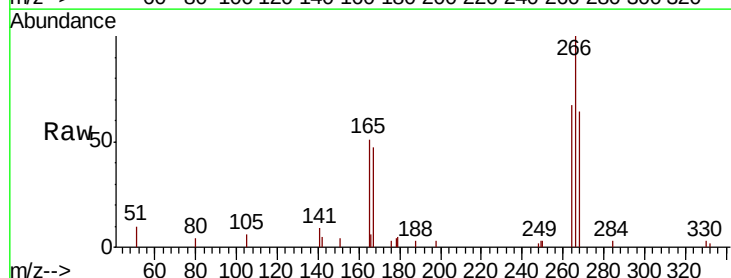
Tgt Ion:266 Resp: 3943

Ion Ratio Lower Upper

266 100

264 67.3 54.4 81.6

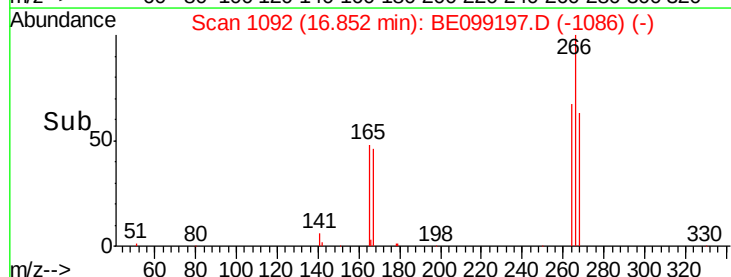
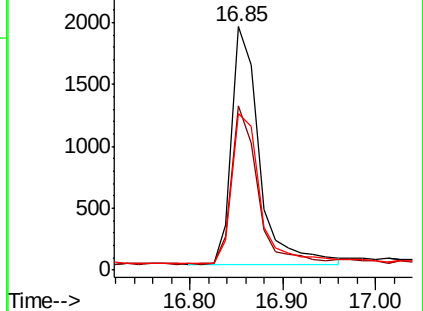
268 64.2 61.3 91.9

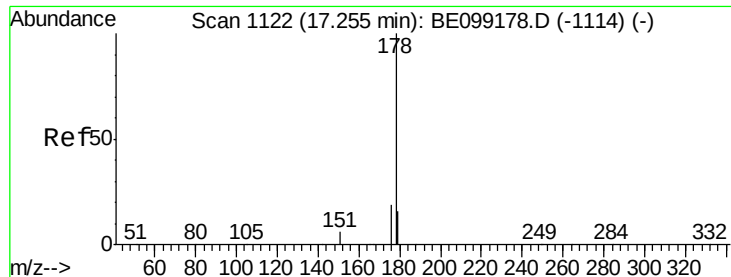


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.366 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

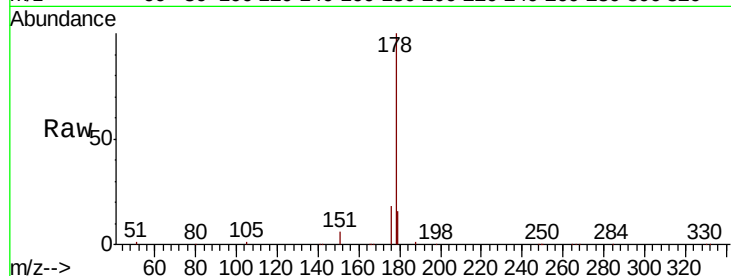
Tgt Ion:178 Resp: 34949

Ion Ratio Lower Upper

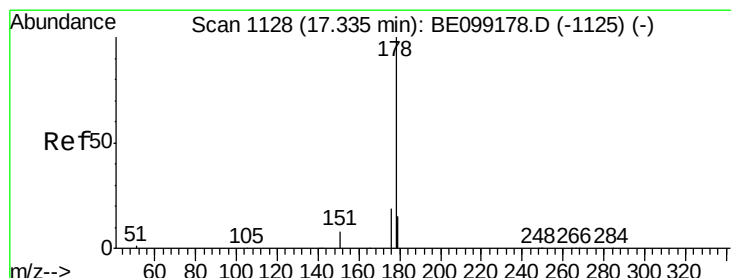
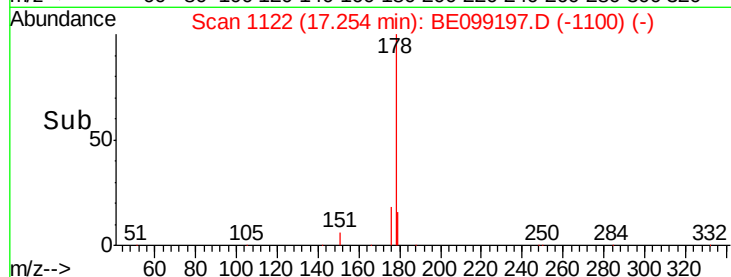
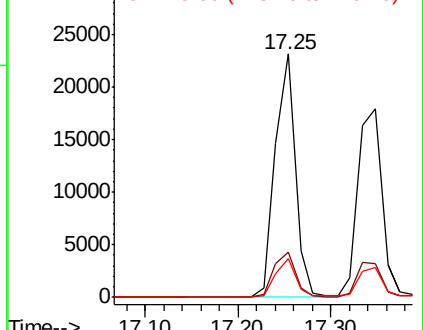
178 100

176 19.2 15.4 23.2

179 15.3 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: 0.364 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

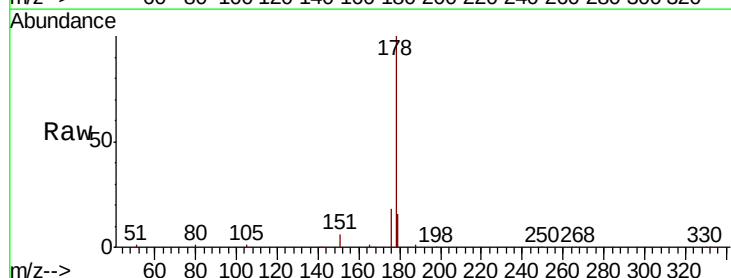
Tgt Ion:178 Resp: 31484

Ion Ratio Lower Upper

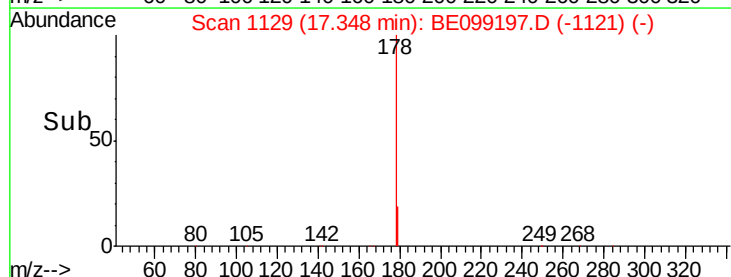
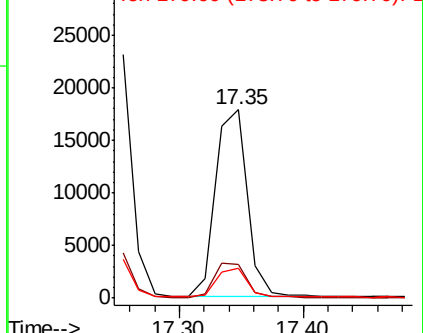
178 100

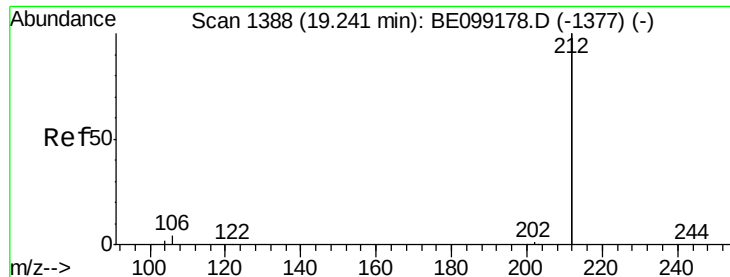
176 18.7 15.1 22.7

179 15.2 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: 0.407 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

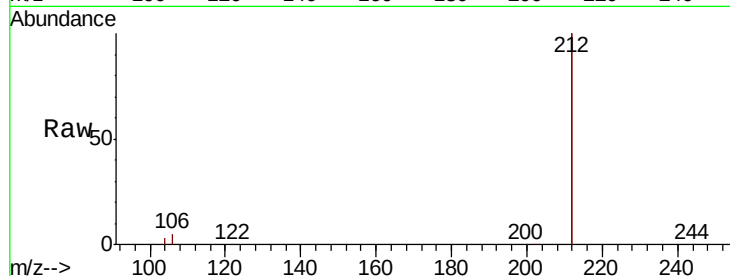
Tgt Ion:212 Resp: 160498

Ion Ratio Lower Upper

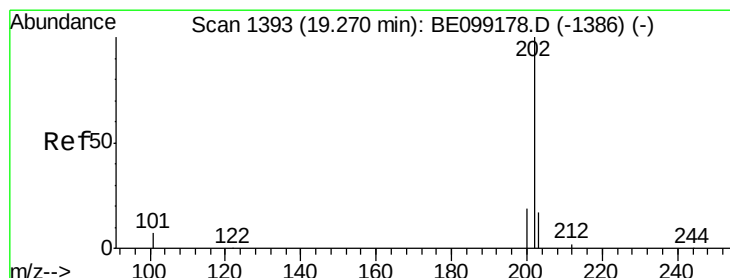
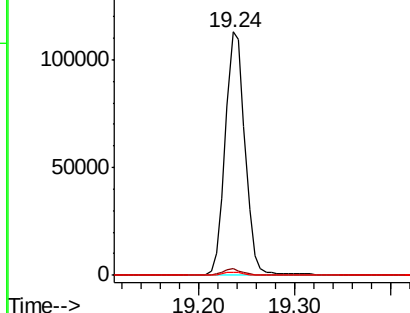
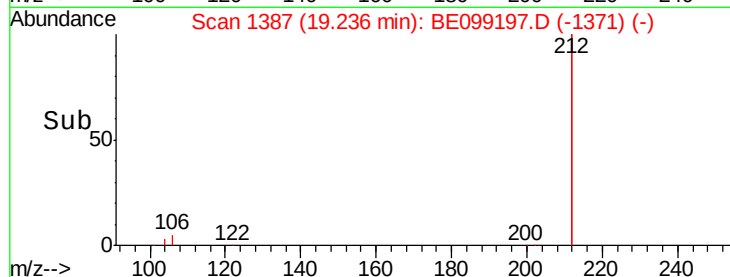
212 100

106 2.4 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: 0.388 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

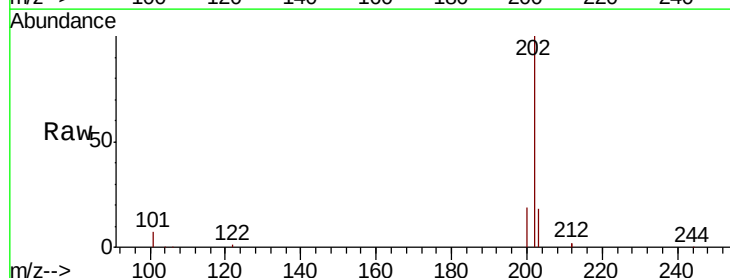
Tgt Ion:202 Resp: 47298

Ion Ratio Lower Upper

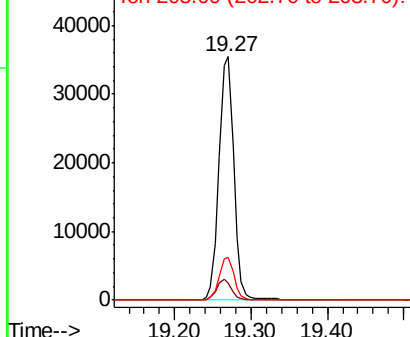
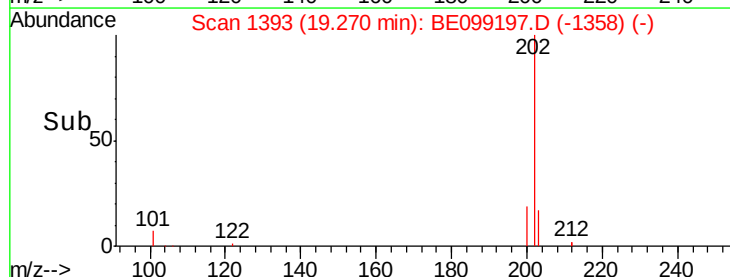
202 100

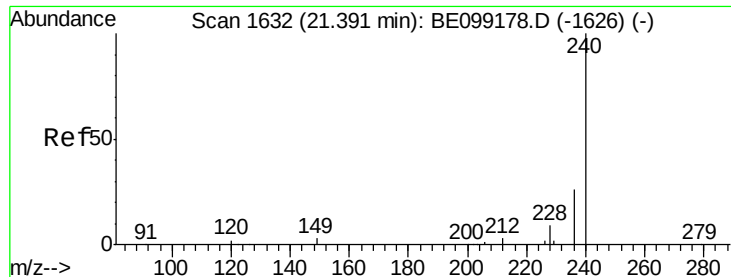
101 8.3 7.0 10.4

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

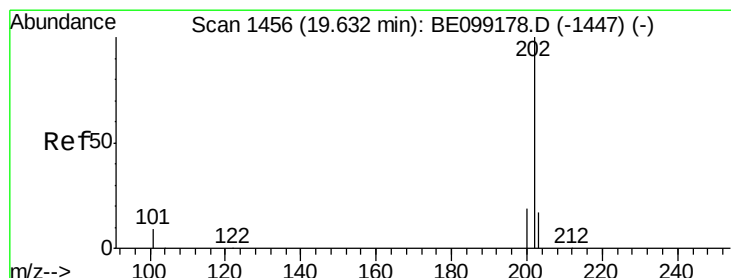
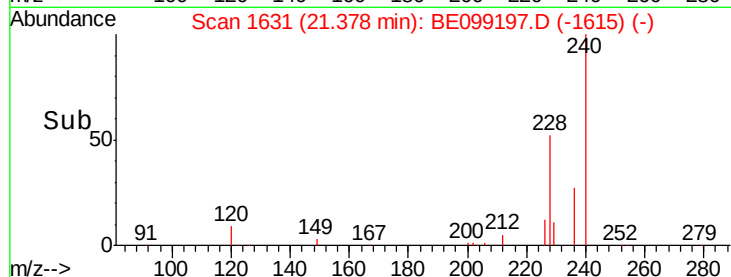
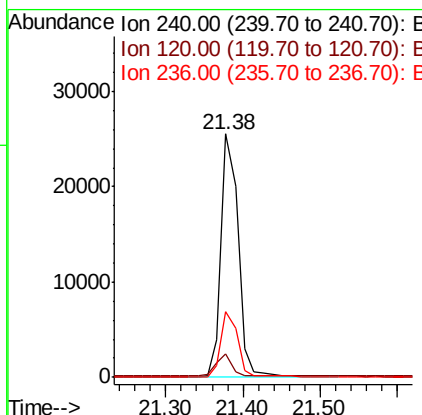
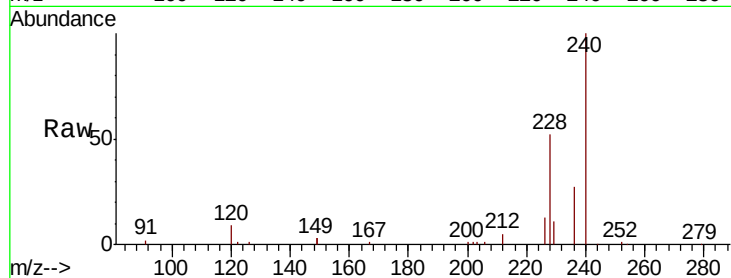




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BE099197.D
 Acq: 26 Mar 2019 1:51

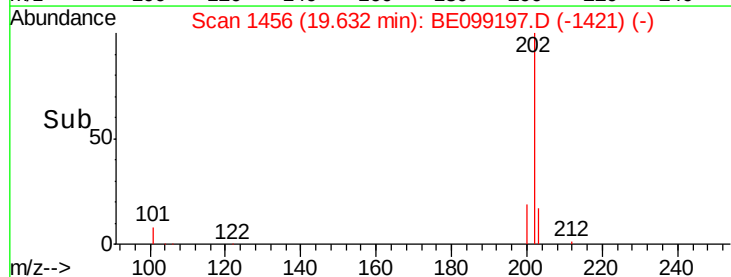
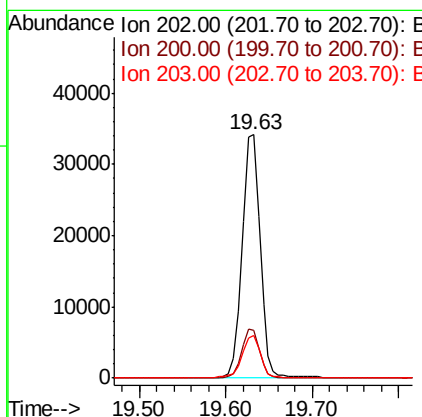
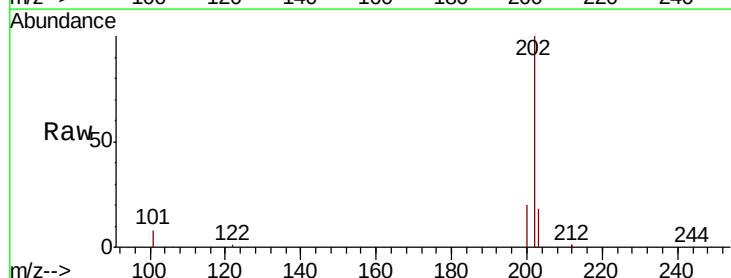
Instrument :
 BNA_E
 ClientSampleId :
 P001-TW001-03MSD

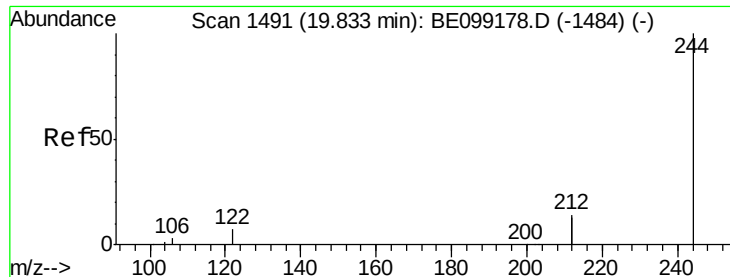
Tgt Ion:240 Resp: 39350
 Ion Ratio Lower Upper
 240 100
 120 9.5 2.6 3.8#
 236 27.2 20.9 31.3



#28
 Pyrene
 Concen: 0.371 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099197.D
 Acq: 26 Mar 2019 1:51

Tgt Ion:202 Resp: 48537
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.8
 203 17.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.376 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

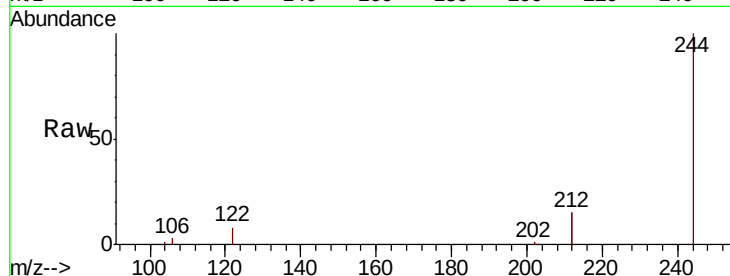
Tgt Ion:244 Resp: 32173

Ion Ratio Lower Upper

244 100

212 30.9 22.7 34.1

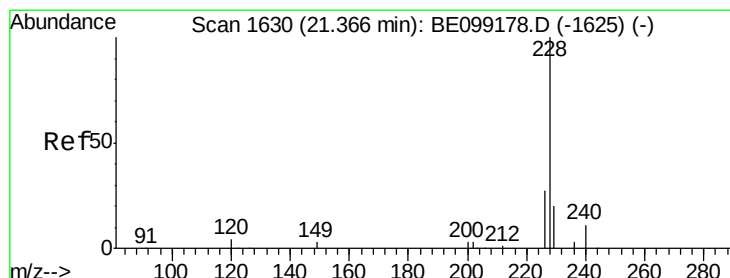
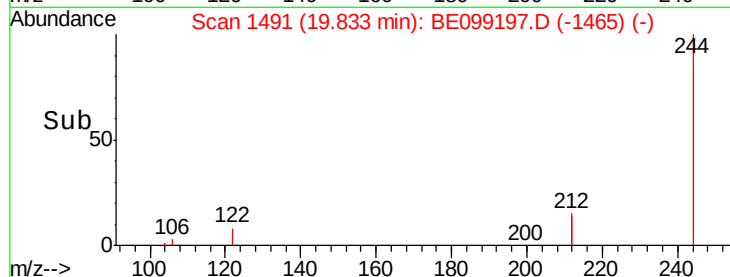
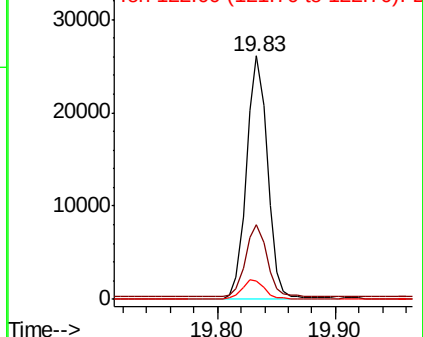
122 7.8 5.8 8.6



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: 0.380 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

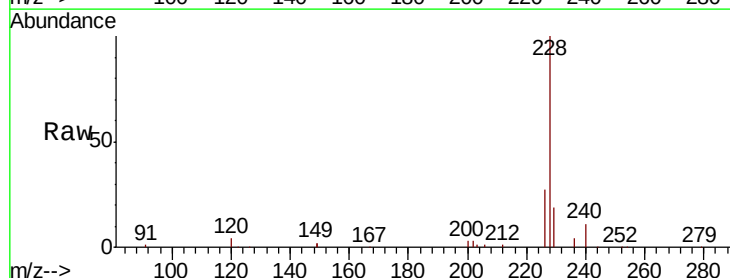
Tgt Ion:228 Resp: 49386

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

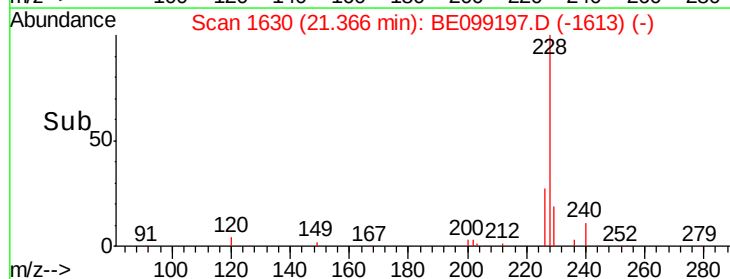
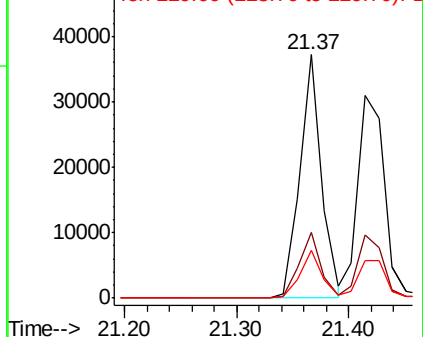
229 19.4 15.9 23.9

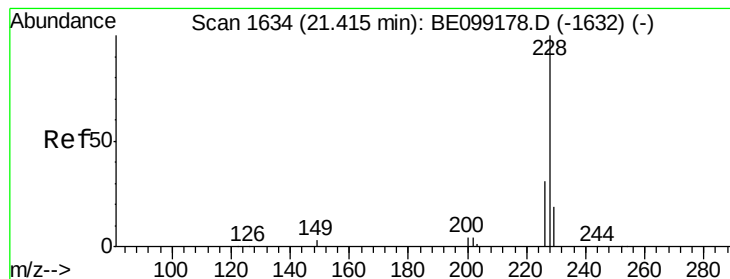


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.360 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

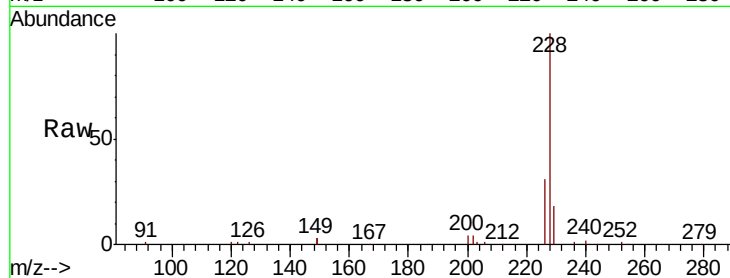
Tgt Ion: 228 Resp: 49986

Ion Ratio Lower Upper

228 100

226 31.4 24.8 37.2

229 18.5 15.4 23.0

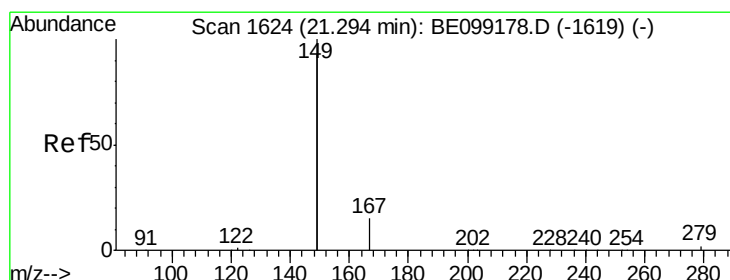
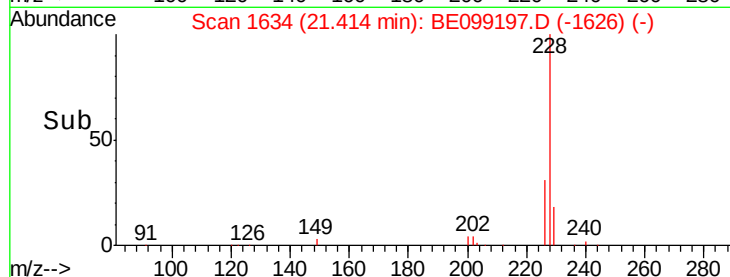
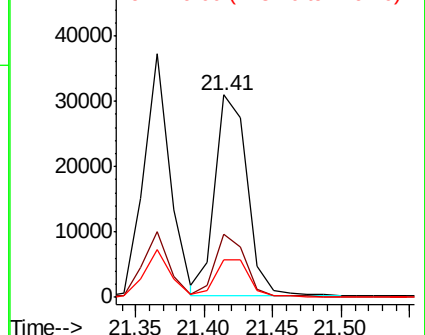


Abundance

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: 0.405 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

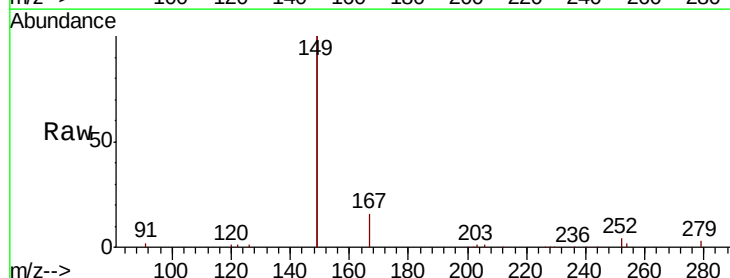
Tgt Ion: 149 Resp: 62679

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

279 1.1 1.0 1.6

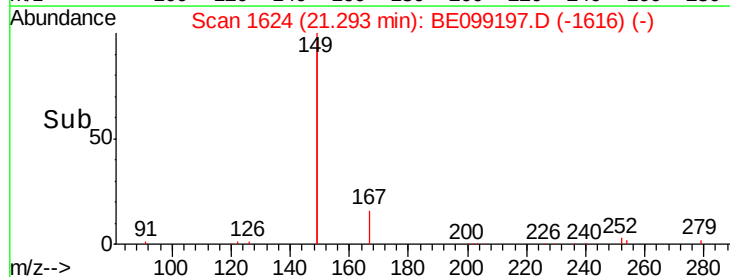
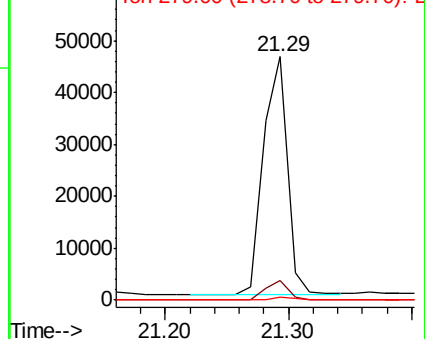


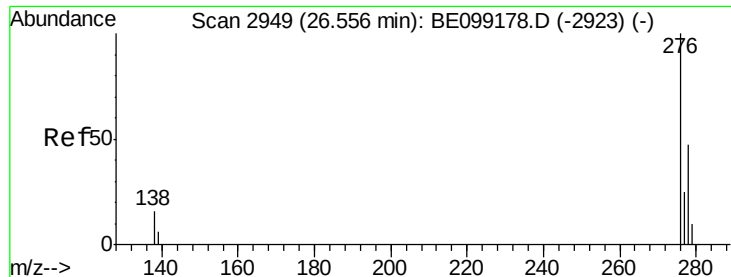
Abundance

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: 0.329 ng

RT: 26.55 min Scan# 2949

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

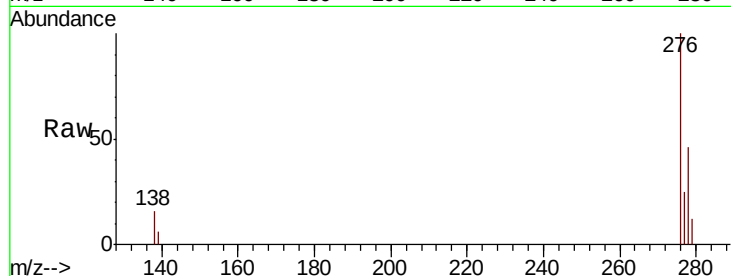
Tgt Ion:276 Resp: 43155

Ion Ratio Lower Upper

276 100

138 0.0 12.9 19.3#

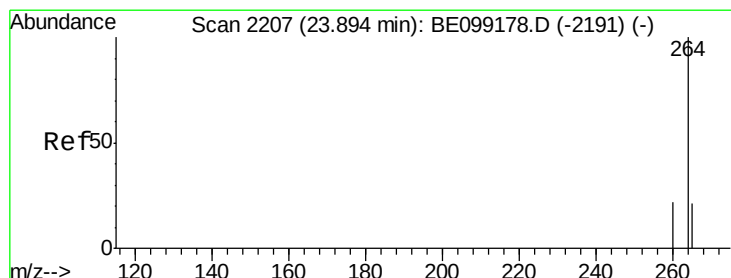
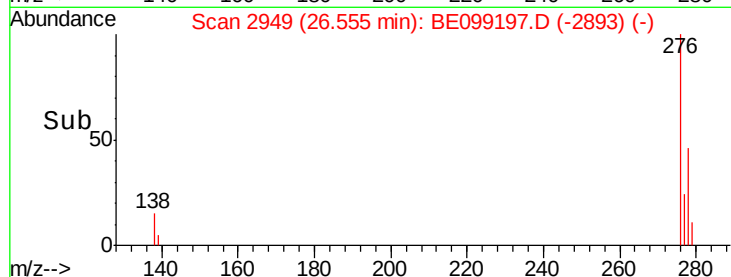
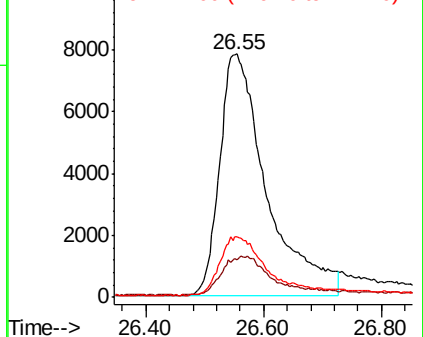
277 21.8 18.3 27.5



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: 23.89 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

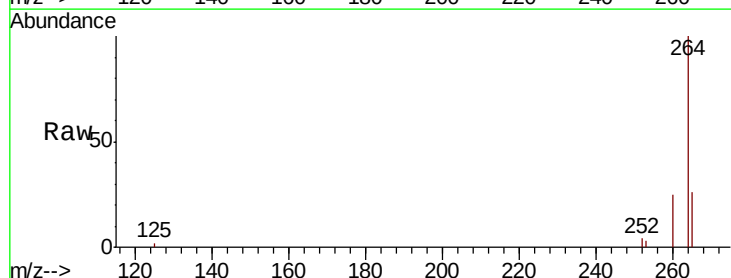
Tgt Ion:264 Resp: 37602

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

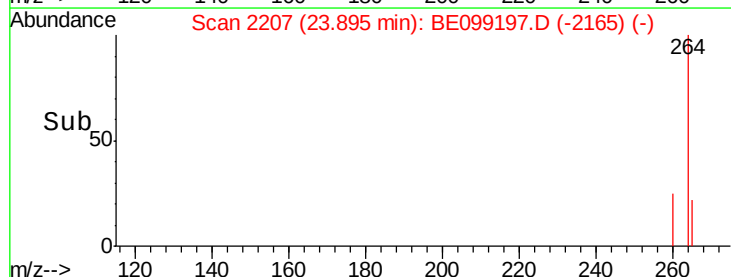
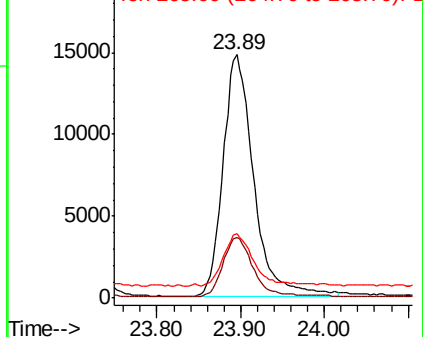
265 26.2 21.8 32.8

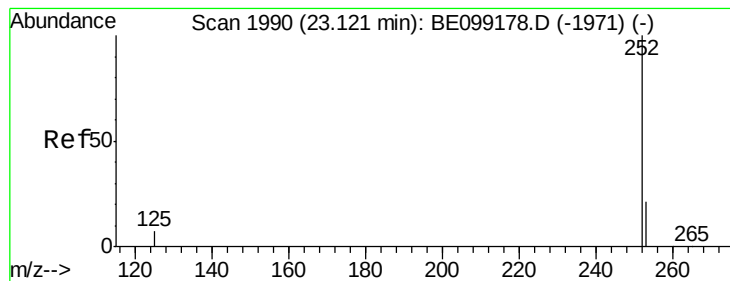


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.360 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

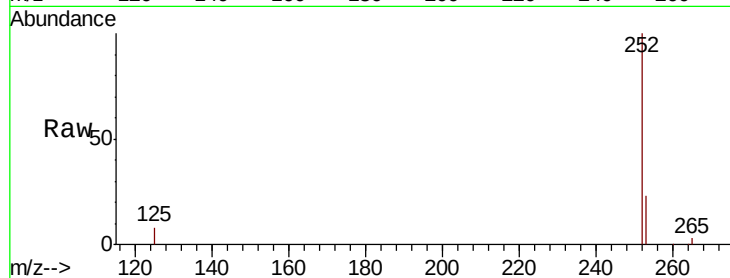
Tgt Ion:252 Resp: 44575

Ion Ratio Lower Upper

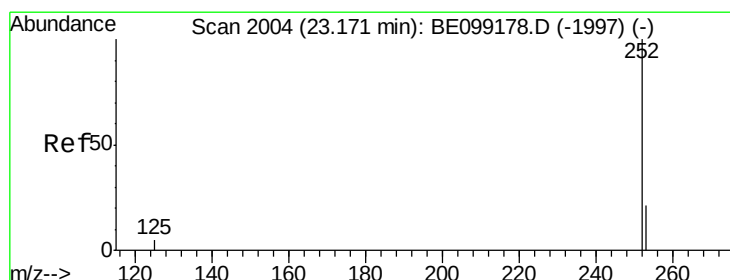
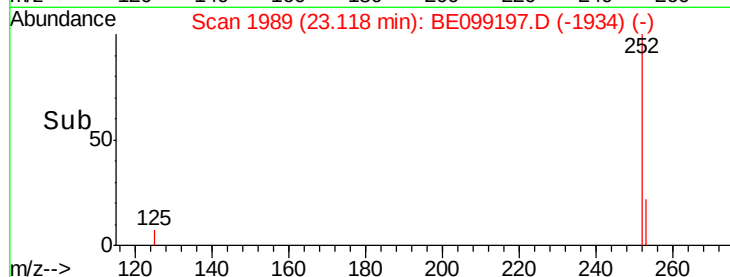
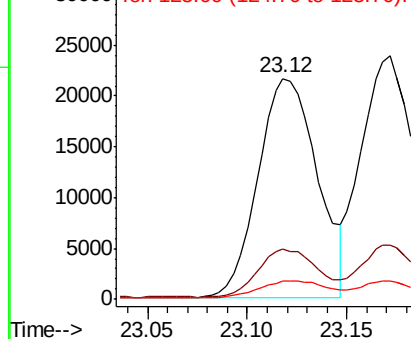
252 100

253 22.6 17.8 26.8

125 8.0 6.1 9.1



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: 0.375 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

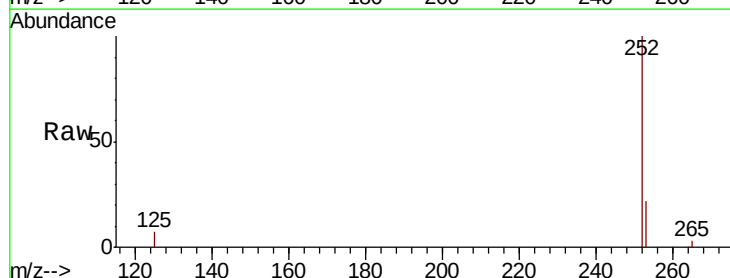
Tgt Ion:252 Resp: 49090

Ion Ratio Lower Upper

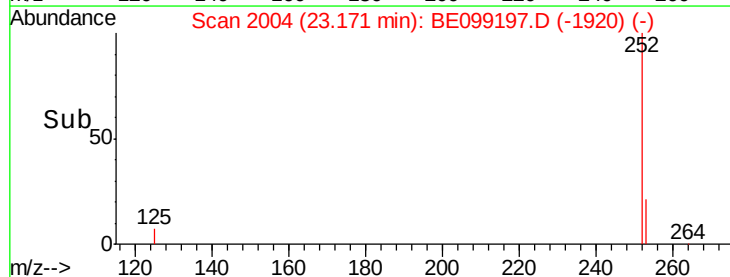
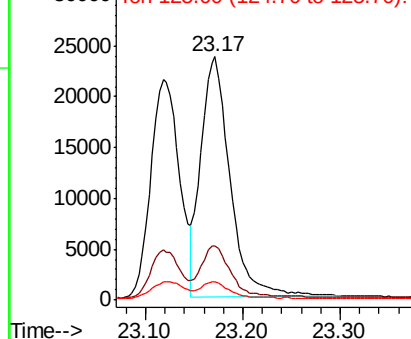
252 100

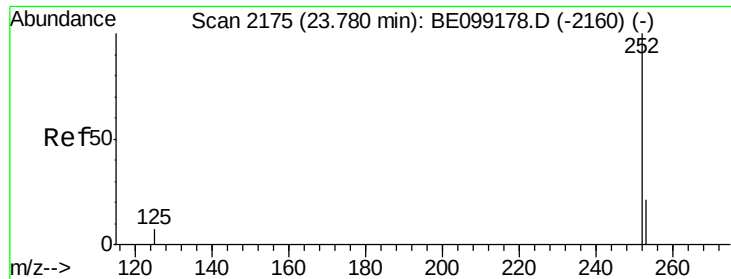
253 22.2 17.8 26.6

125 7.4 5.9 8.9



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: 0.381 ng

RT: 23.78 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD

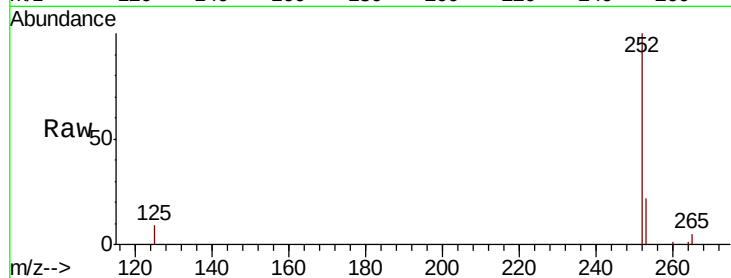
Tgt Ion: 252 Resp: 44028

Ion Ratio Lower Upper

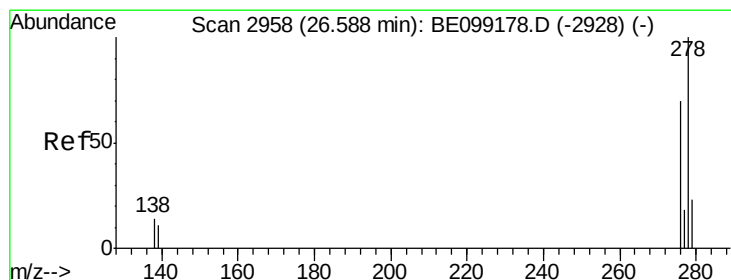
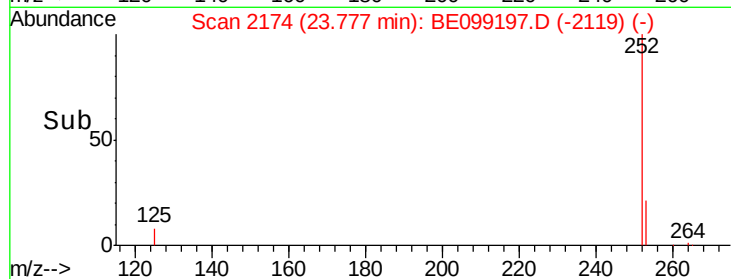
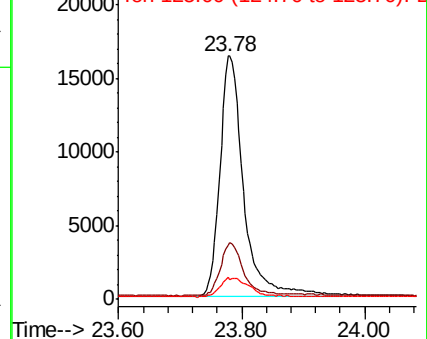
252 100

253 22.3 18.1 27.1

125 9.1 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: 0.354 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BE099197.D

Acq: 26 Mar 2019 1:51

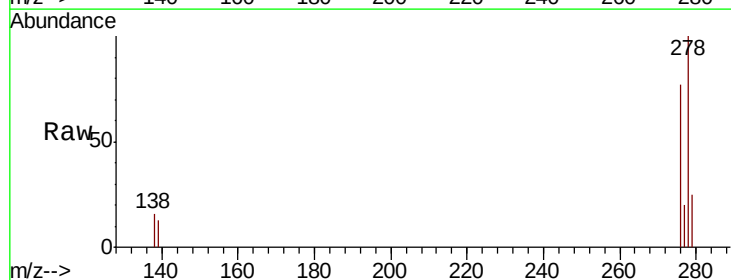
Tgt Ion: 278 Resp: 36383

Ion Ratio Lower Upper

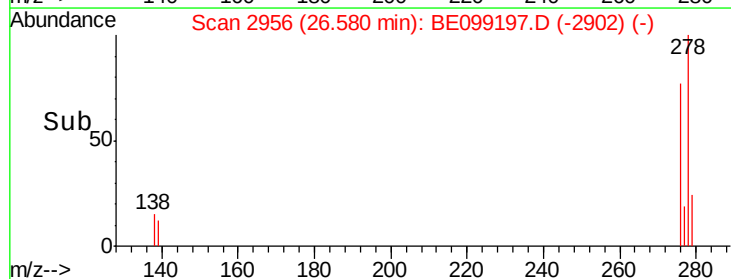
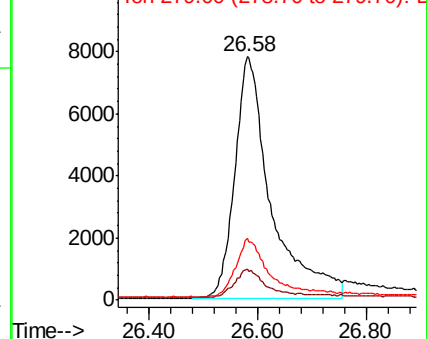
278 100

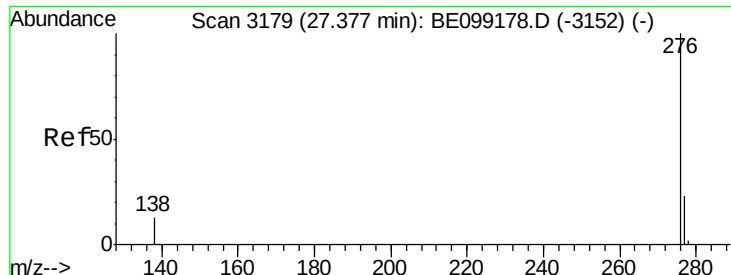
139 13.0 9.5 14.3

279 25.2 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(g,h,i)perylene

Concen: 0.359 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099197.D

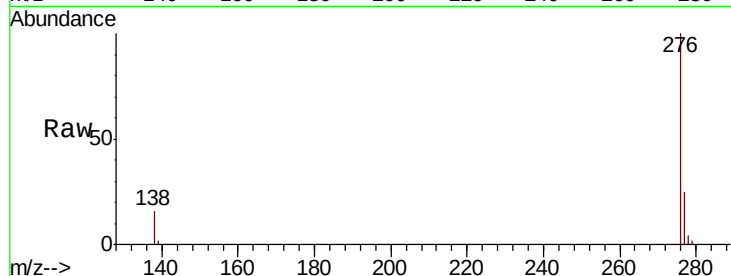
Acq: 26 Mar 2019 1:51

Instrument :

BNA_E

ClientSampleId :

P001-TW001-03MSD



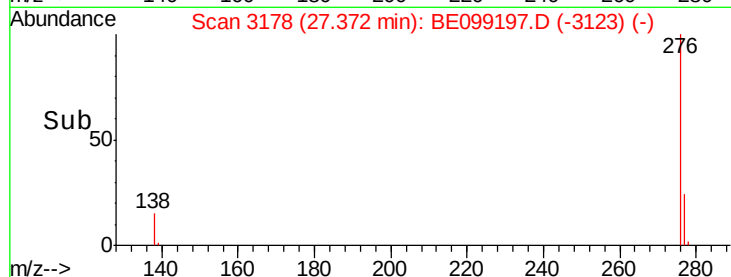
Tgt Ion: 276 Resp: 36964

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 15.6 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

