

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099137.D
 Acq On : 24 Mar 2019 7:28
 Operator : JU/SJ
 Sample : K1947-01MS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219MS

Quant Time: Mar 24 23:02:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4295	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16496	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	10062	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25674	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39480	0.40	ng	-0.01
34) Perylene-d12	23.89	264	43881	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4990	0.39	ng	0.00
5) Phenol-d6	7.00	99	7151	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	5219	0.72	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13583	0.46	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1954	0.66	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15464	0.39	ng	-0.01
25) Fluoranthene-d10	19.24	212	128506	0.38	ng	0.00
29) Terphenyl-d14	19.83	244	26232	0.31	ng	0.00

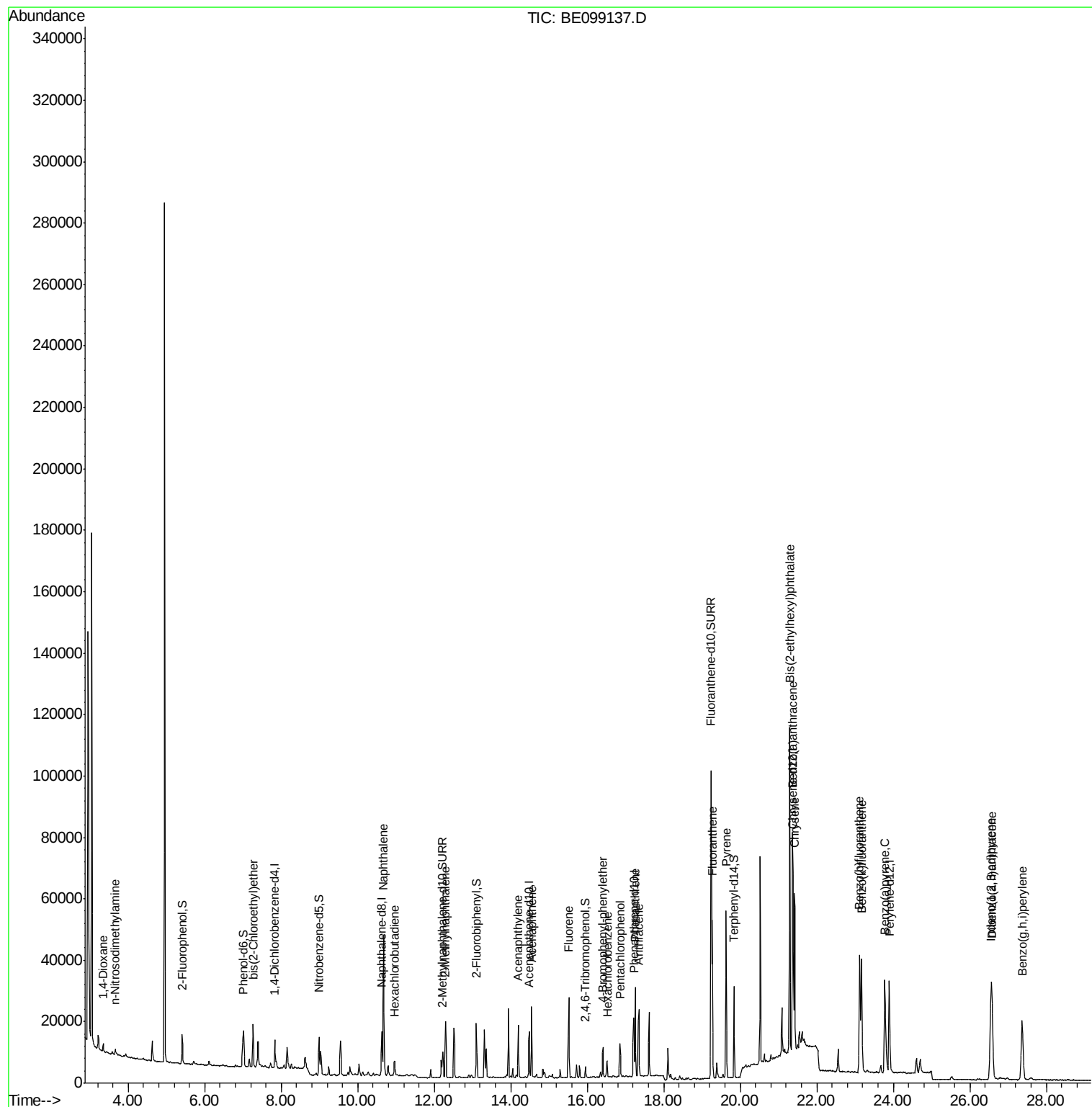
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	1819	0.273	ng	# 50
3) n-Nitrosodimethylamine	3.66	42	1258	0.366	ng	# 93
6) bis(2-Chloroethyl)ether	7.26	93	5326	0.356	ng	# 87
9) Naphthalene	10.68	128	68453	0.352	ng	98
10) Hexachlorobutadiene	10.95	225	3485	0.367	ng	97
12) 2-Methylnaphthalene	12.30	142	11917	0.358	ng	95
16) Acenaphthylene	14.20	152	18555	0.346	ng	98
17) Acenaphthene	14.54	154	10967	0.344	ng	98
18) Fluorene	15.51	166	14669	0.316	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	5357	0.377	ng	# 65
21) Hexachlorobenzene	16.52	284	5006	0.379	ng	92
22) Pentachlorophenol	16.85	266	5658	1.298	ng	# 74
23) Phenanthrene	17.25	178	28757	0.377	ng	99
24) Anthracene	17.35	178	26024	0.361	ng	99
26) Fluoranthene	19.26	202	46900	0.437	ng	98
28) Pyrene	19.63	202	50406	0.376	ng	98
30) Benzo(a)anthracene	21.37	228	53855	0.387	ng	98
31) Chrysene	21.41	228	52154	0.375	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	111972	0.620	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	56201	0.376	ng	99
35) Benzo(b)fluoranthene	23.12	252	55516	0.366	ng	98
36) Benzo(k)fluoranthene	23.17	252	52192	0.351	ng	98
37) Benzo(a)pyrene	23.78	252	51825	0.369	ng	96
38) Dibenzo(a,h)anthracene	26.58	278	45345	0.332	ng	97
39) Benzo(g,h,i)perylene	27.37	276	48173	0.344	ng	98

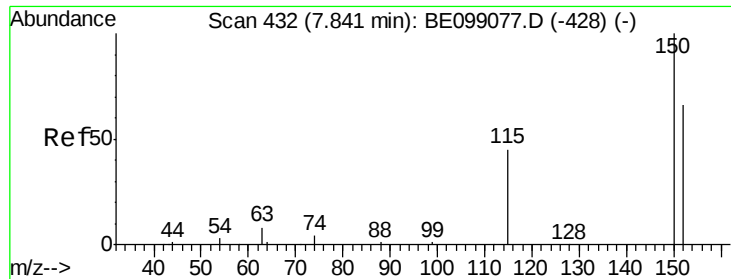
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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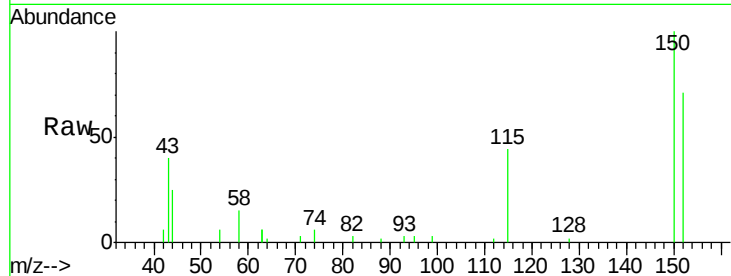


#1

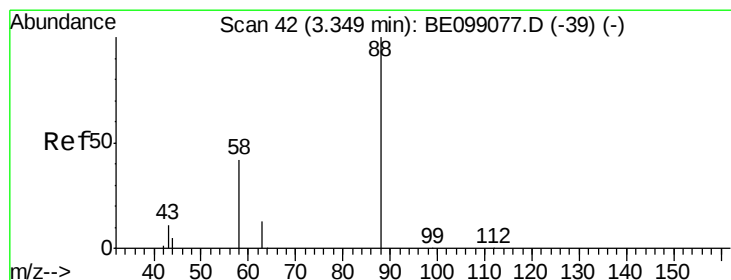
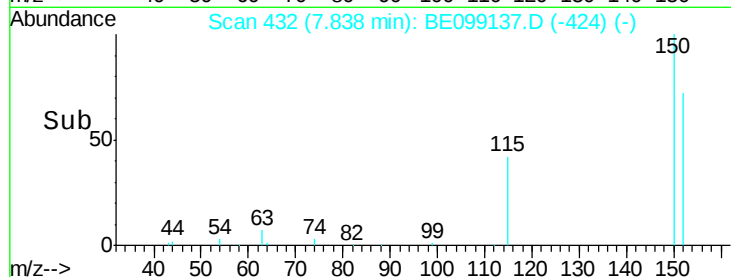
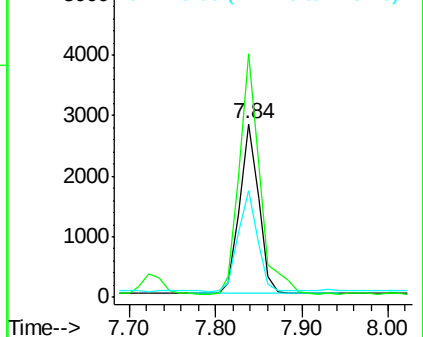
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MS

Tot Ion:152 Resp: 4295
Ion Ratio Lower Upper
152 100
150 140.1 122.5 183.7
115 61.2 57.4 86.2



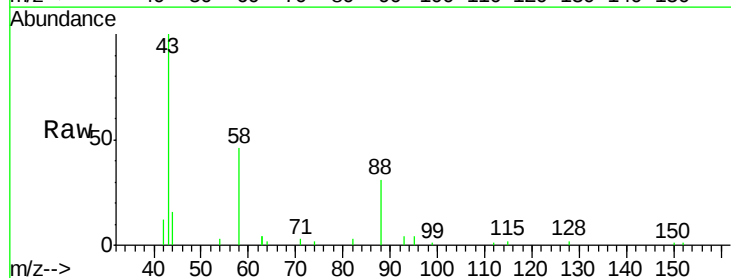
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



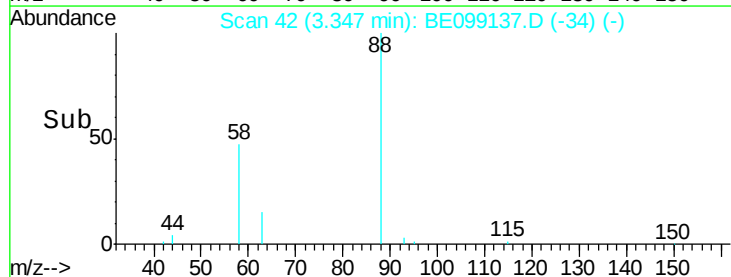
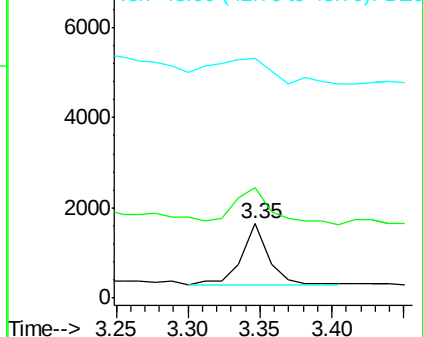
#2

1,4-Dioxane
Concen: 0.273 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

Tgt Ion: 88 Resp: 1819
Ion Ratio Lower Upper
88 100
58 79.8 52.0 78.0#
43 93.8 24.0 36.0#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.366 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

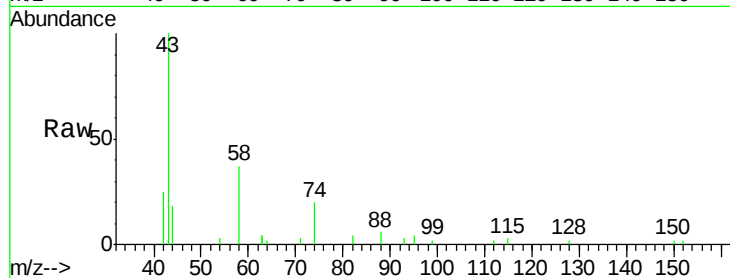
Tot Ion: 42 Resp: 1258

Ion Ratio Lower Upper

42 100

74 210.3 160.0 240.0

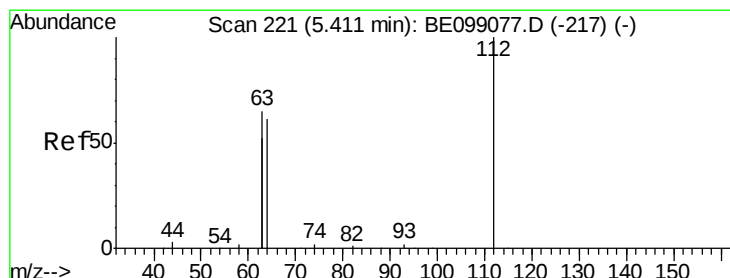
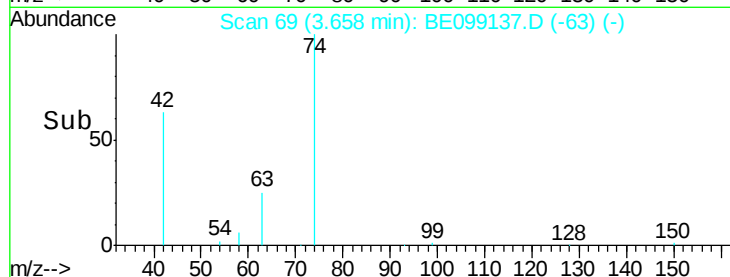
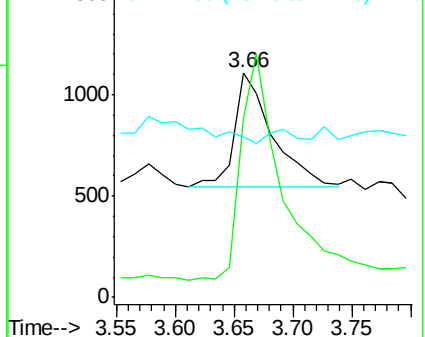
44 0.0 0.0 0.0



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: 0.390 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

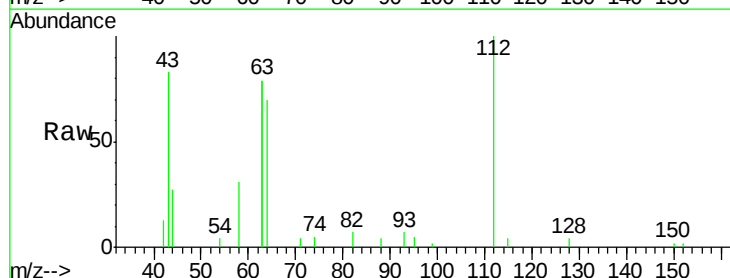
Tgt Ion: 112 Resp: 4990

Ion Ratio Lower Upper

112 100

64 57.6 57.9 86.9#

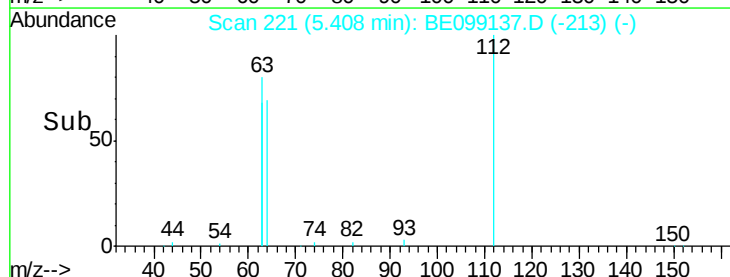
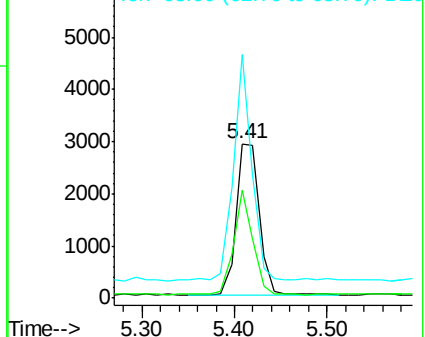
63 121.4 158.3 237.5#

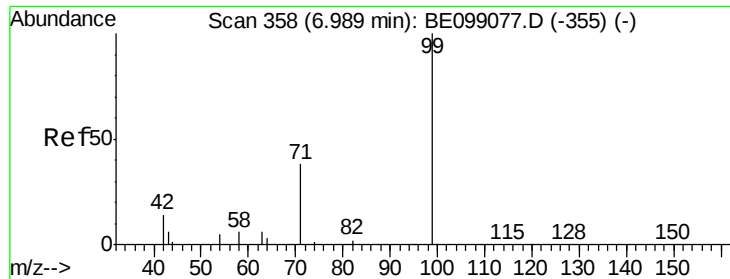


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.388 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

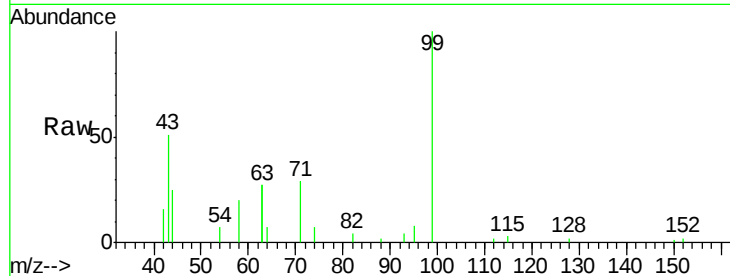
Tot Ion: 99 Resp: 7151

Ion Ratio Lower Upper

99 100

42 19.6 24.2 36.2#

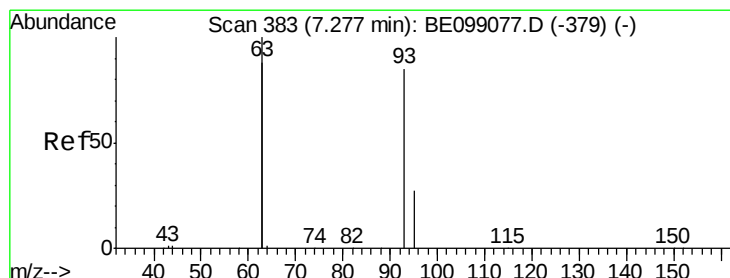
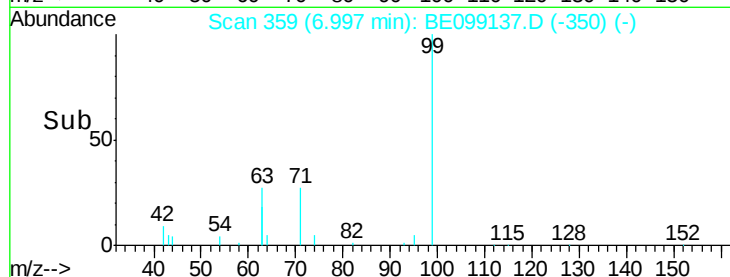
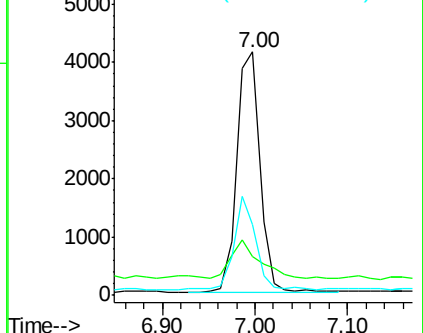
71 36.8 35.7 53.5



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: 0.356 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

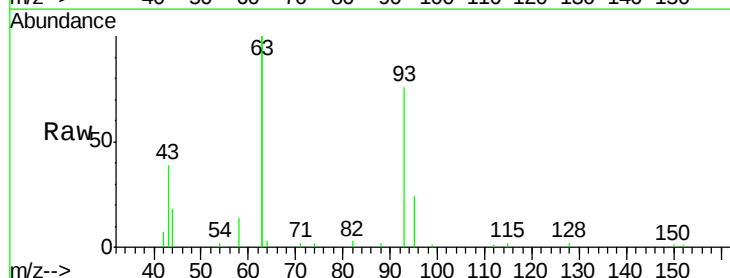
Tgt Ion: 93 Resp: 5326

Ion Ratio Lower Upper

93 100

63 282.6 247.5 371.3

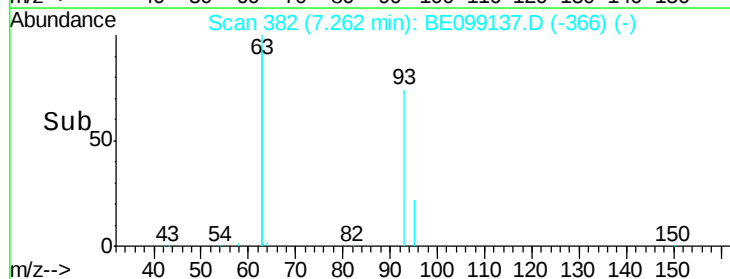
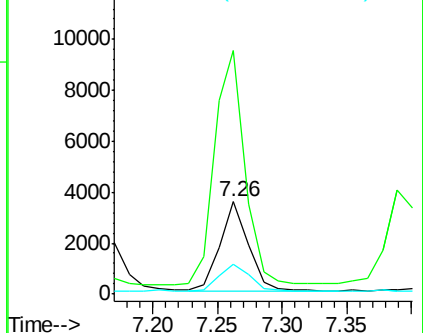
95 33.4 21.8 32.8#

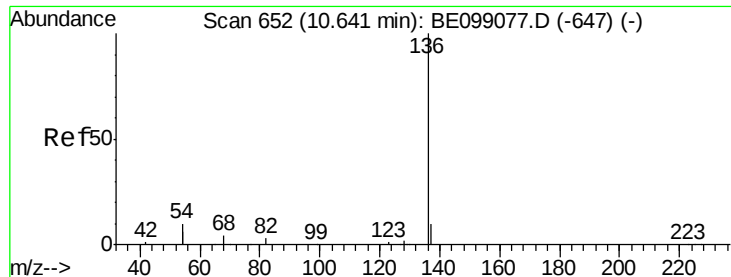


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

Tot Ion:136 Resp: 16496

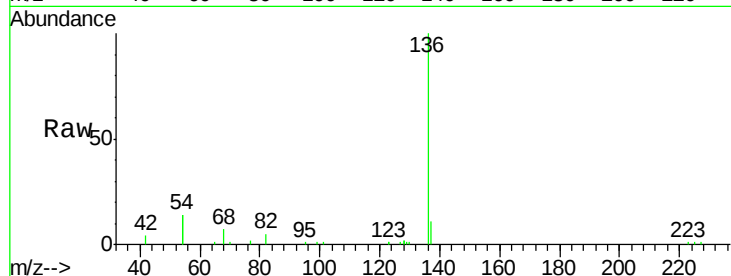
Ion Ratio Lower Upper

136 100

137 11.0 11.4 17.0#

54 27.8 39.3 58.9#

68 7.1 6.7 10.1

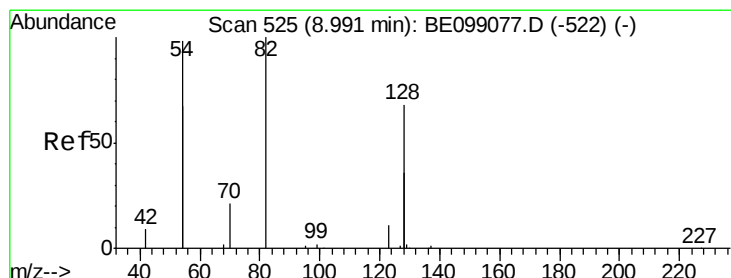
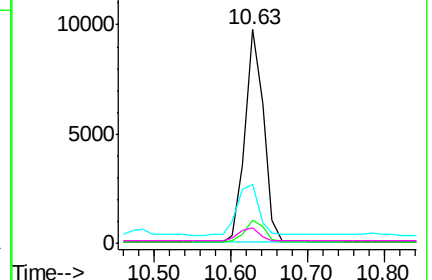
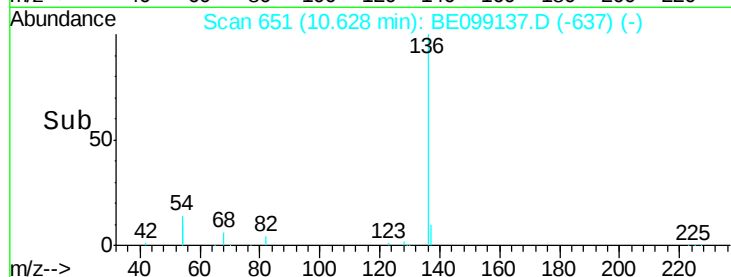


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.724 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

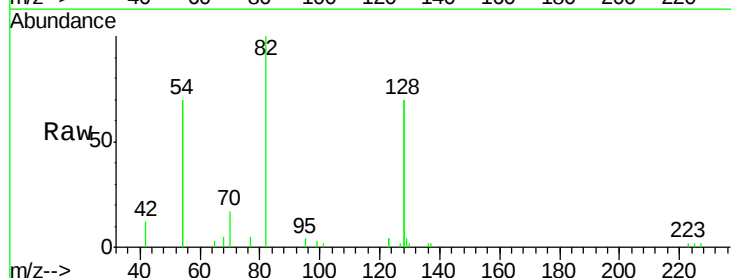
Tgt Ion: 82 Resp: 5219

Ion Ratio Lower Upper

82 100

128 140.7 123.8 185.8

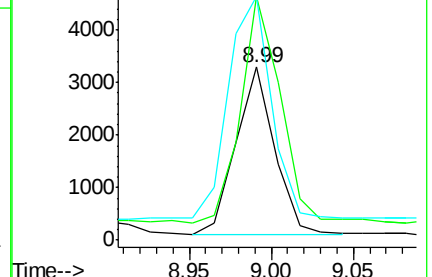
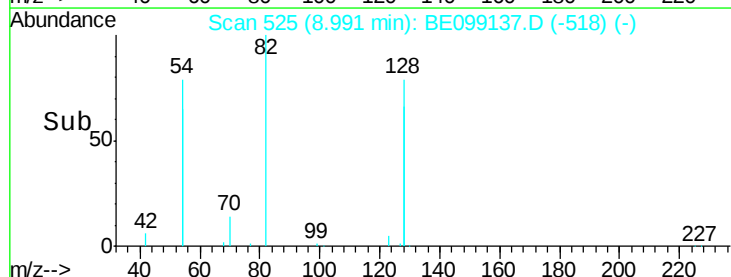
54 140.6 203.4 305.2#

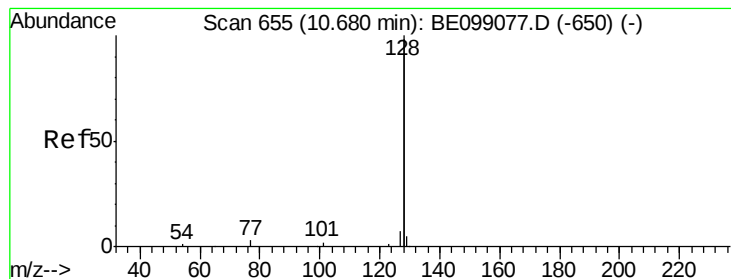


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.352 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

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ClientSampleId :

PST-028-B098-031219MS

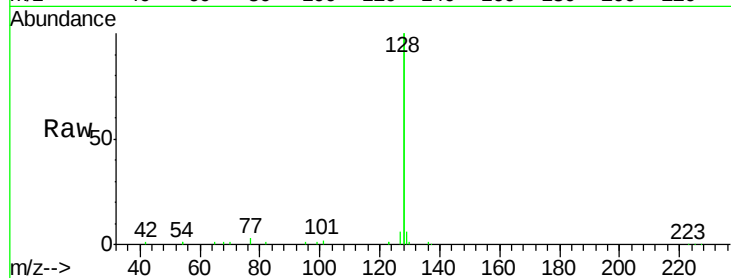
Tot Ion:128 Resp: 68453

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

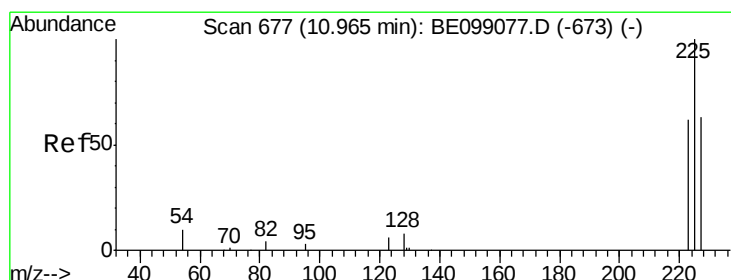
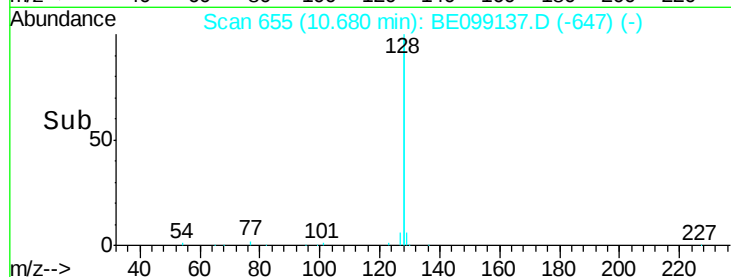
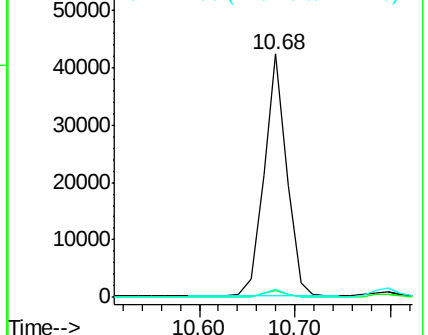
127 3.2 3.1 4.7



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: 0.367 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

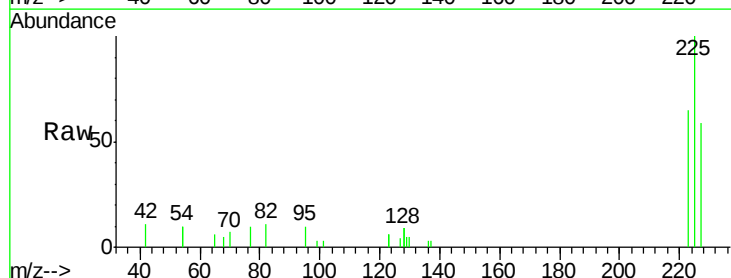
Tgt Ion:225 Resp: 3485

Ion Ratio Lower Upper

225 100

223 61.3 51.1 76.7

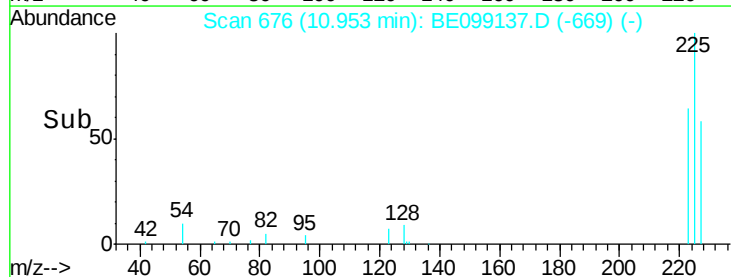
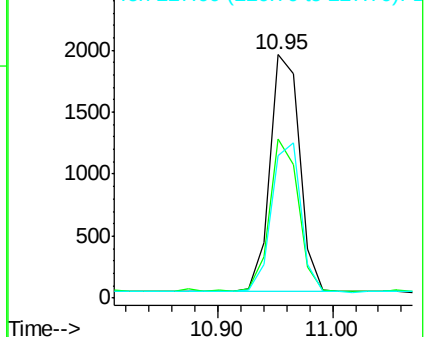
227 62.6 51.6 77.4

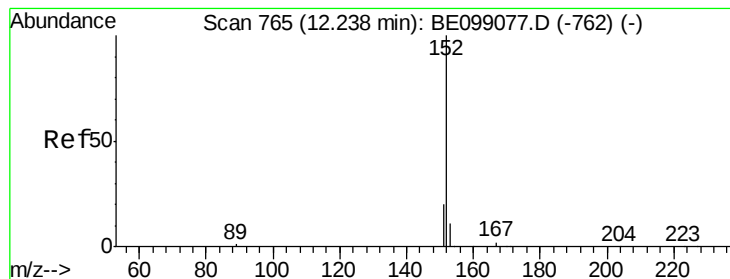


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.457 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

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ClientSampleId :

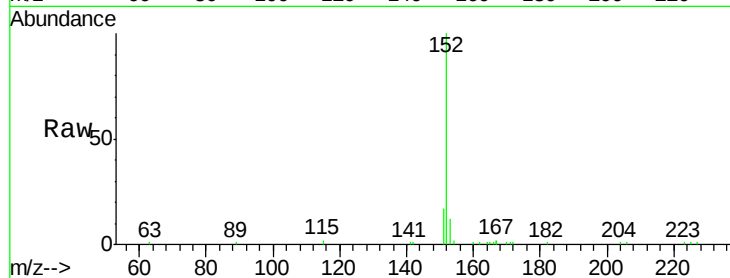
PST-028-B098-031219MS

Tot Ion:152 Resp: 13583

Ion Ratio Lower Upper

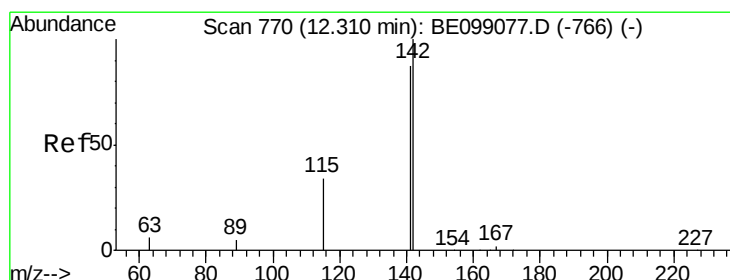
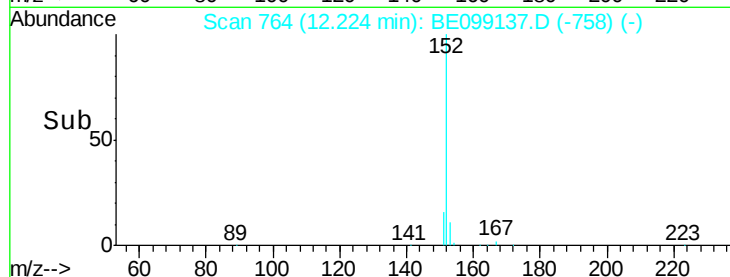
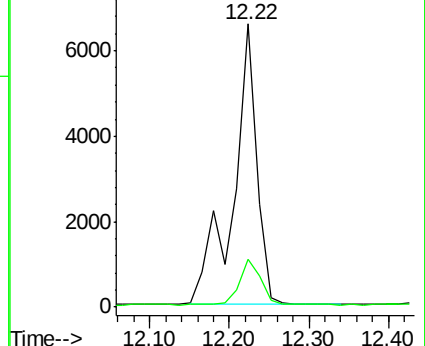
152 100

151 14.4 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.358 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

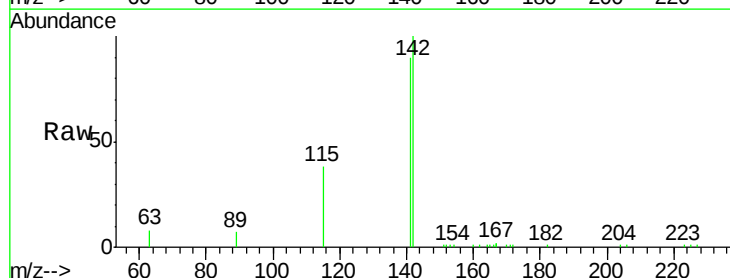
Tgt Ion:142 Resp: 11917

Ion Ratio Lower Upper

142 100

141 90.2 72.6 108.8

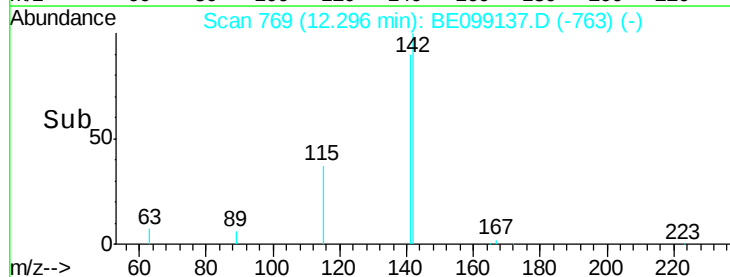
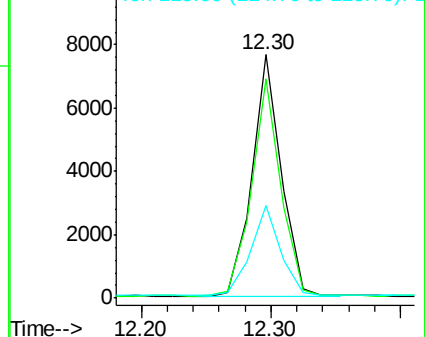
115 38.1 37.4 56.2

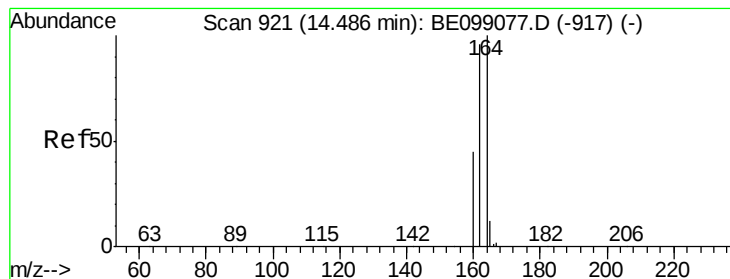


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

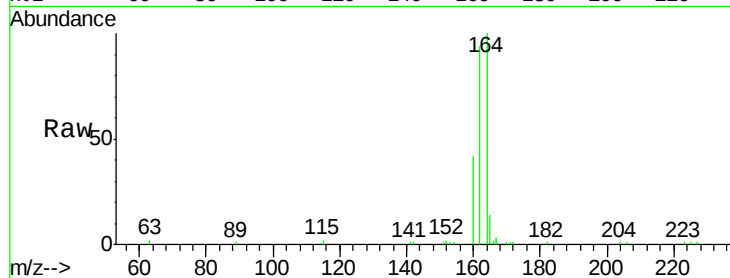
Tot Ion:164 Resp: 10062

Ion Ratio Lower Upper

164 100

162 94.3 80.2 120.2

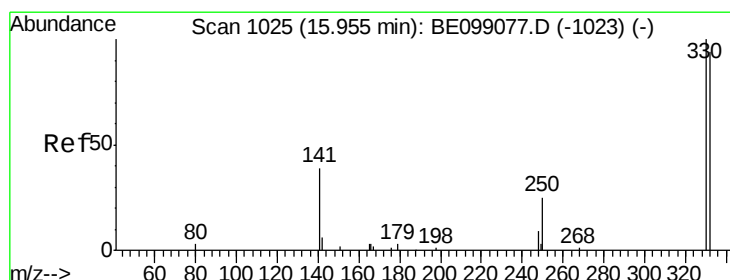
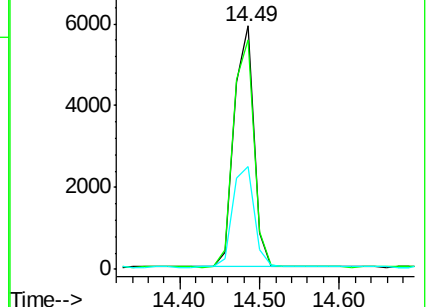
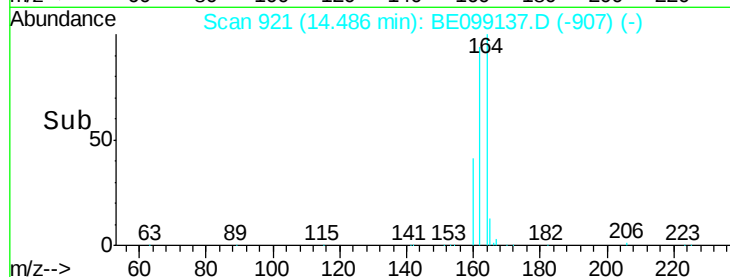
160 42.1 37.8 56.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.661 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

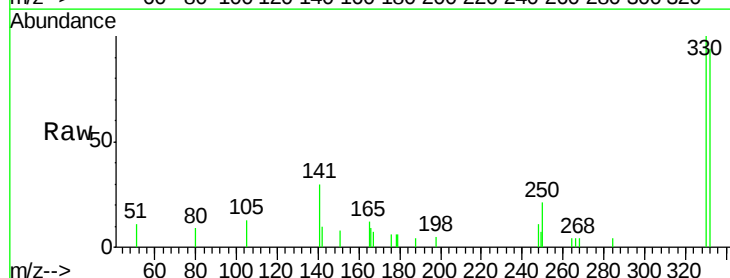
Tgt Ion:330 Resp: 1954

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

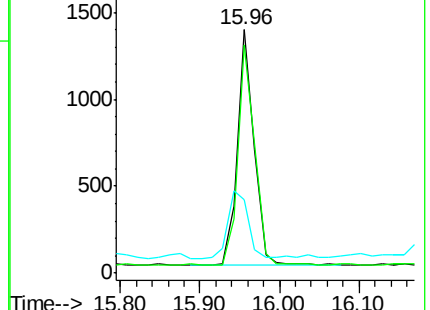
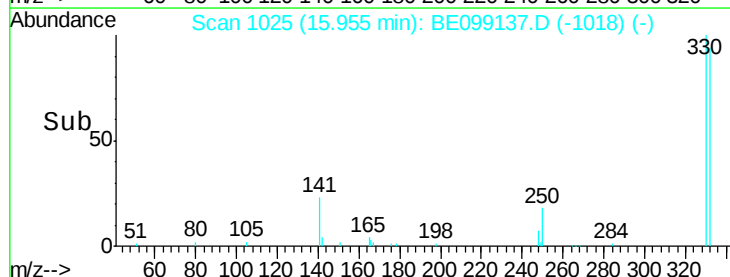
141 35.5 31.0 46.4

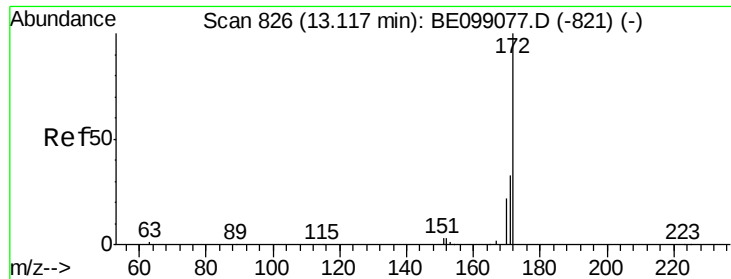


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

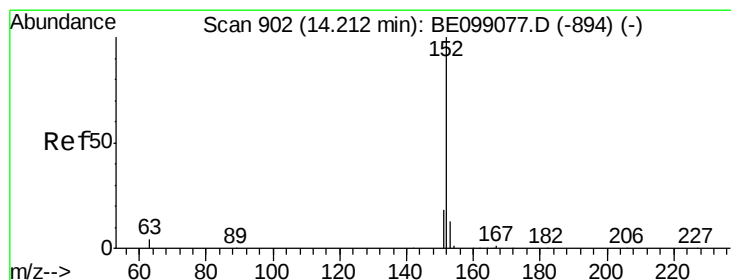
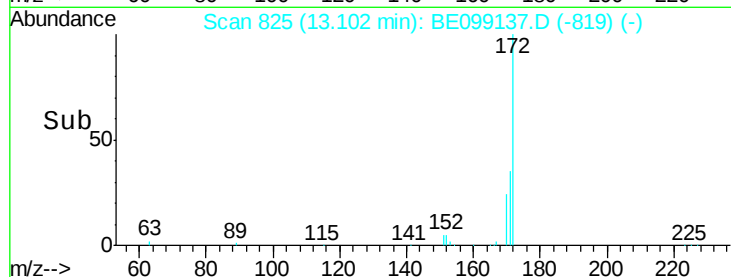
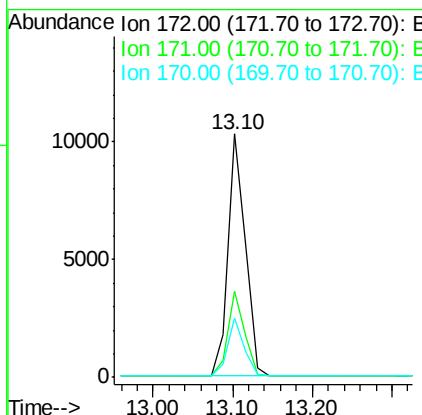
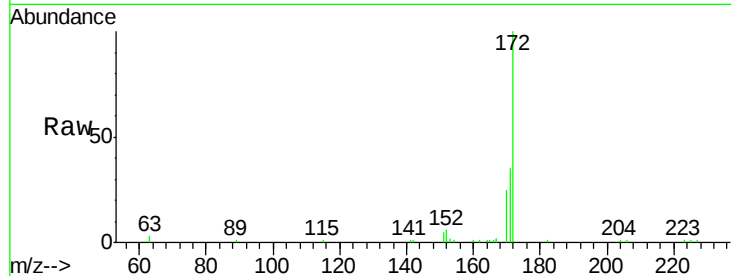




#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

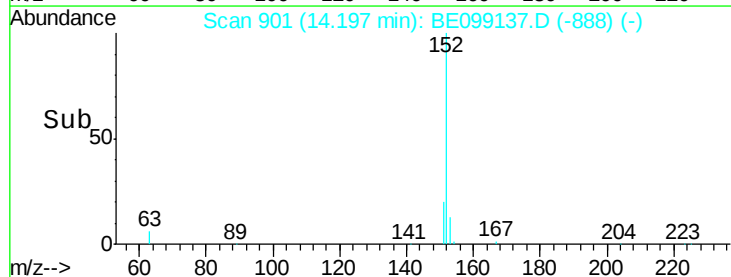
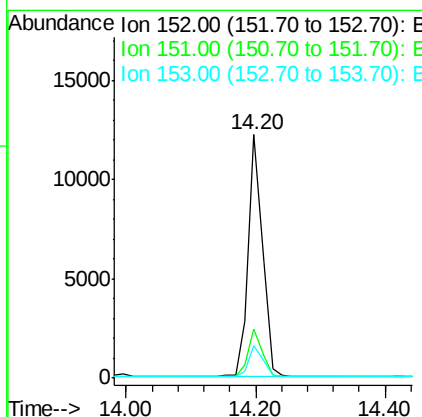
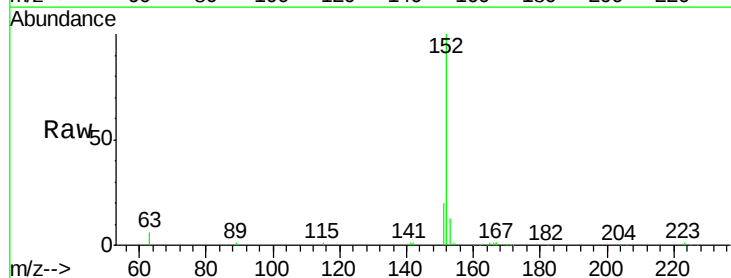
Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MS

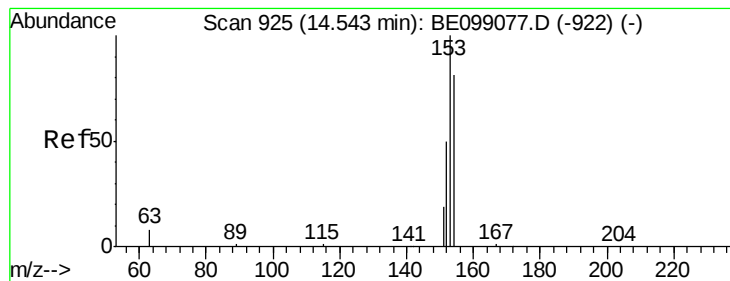
Tot Ion:172 Resp: 15464
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 24.5 17.7 26.5



#16
Acenaphthylene
Concen: 0.346 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

Tgt Ion:152 Resp: 18555
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6
153 13.2 11.2 16.8





#17

Acenaphthene

Concen: 0.344 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

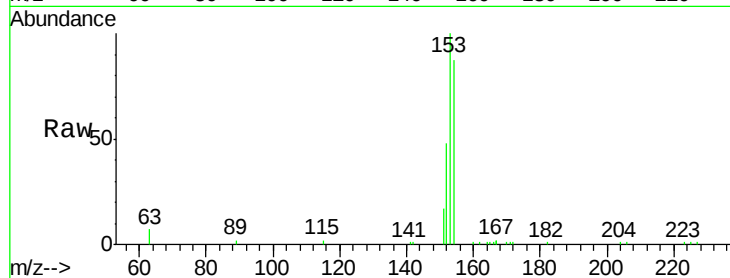
Tot Ion:154 Resp: 10967

Ion Ratio Lower Upper

154 100

153 115.0 94.2 141.4

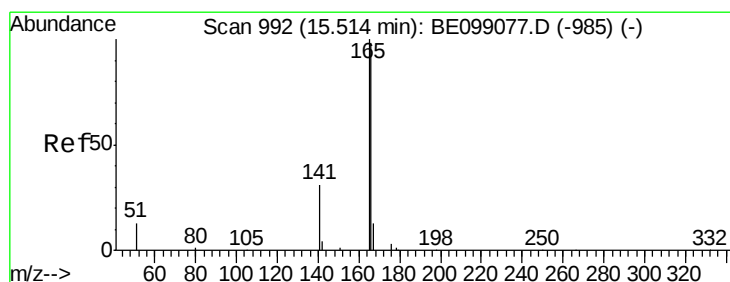
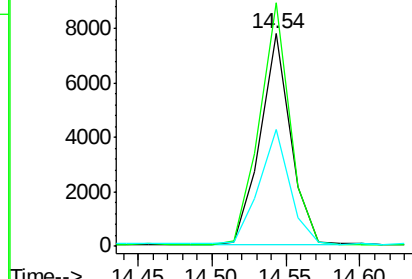
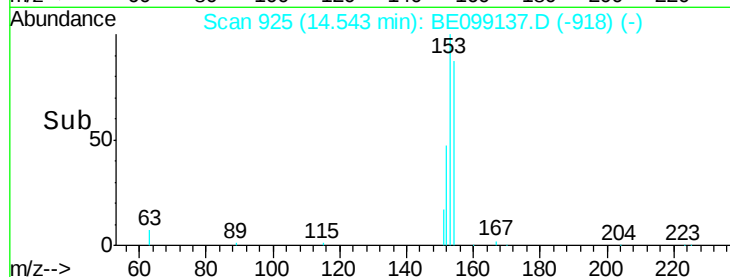
152 55.0 45.0 67.4



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: 0.316 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

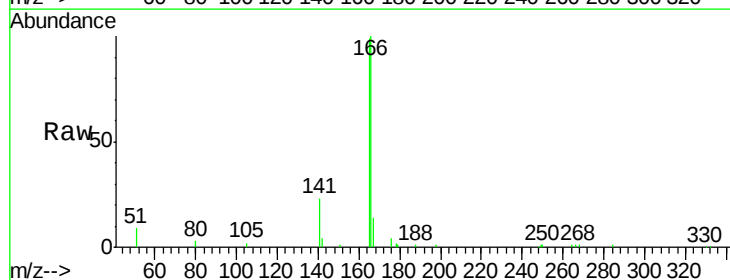
Tgt Ion:166 Resp: 14669

Ion Ratio Lower Upper

166 100

165 99.4 79.3 118.9

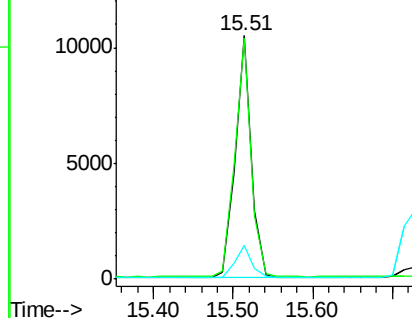
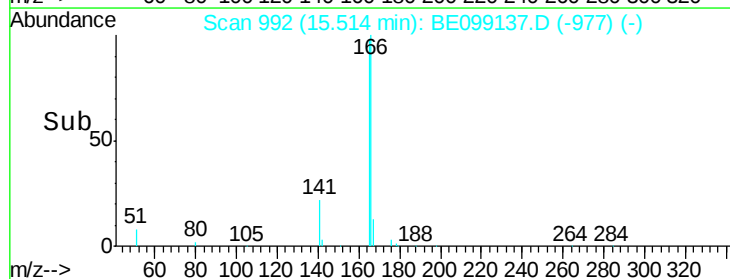
167 13.7 10.5 15.7

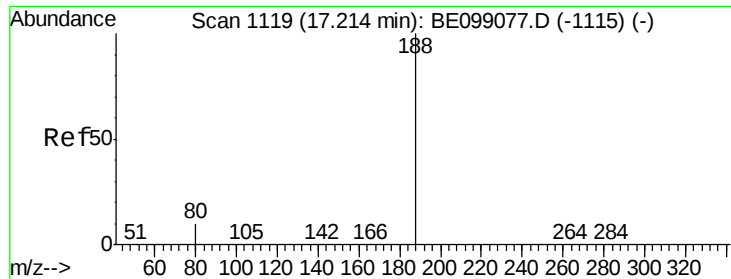


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

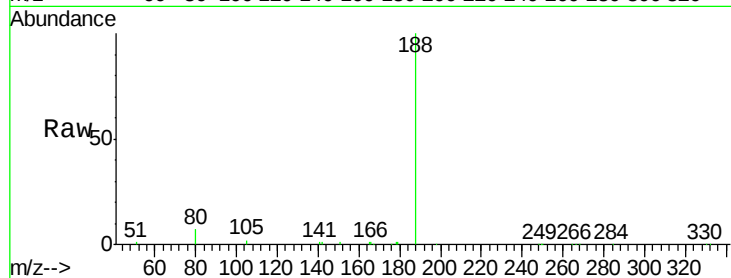
Tot Ion:188 Resp: 25674

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

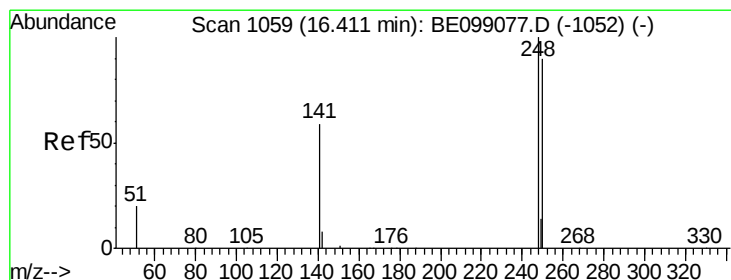
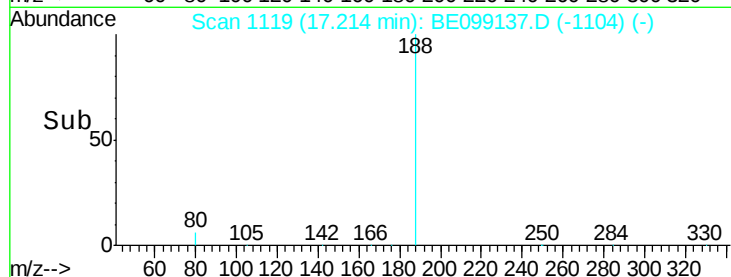
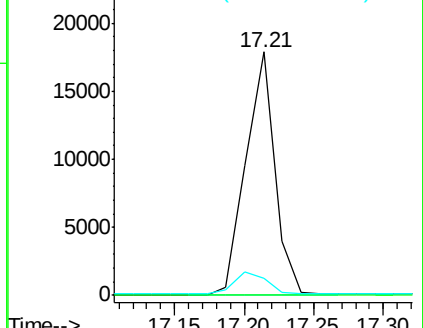
80 6.8 6.3 9.5



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: 0.377 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

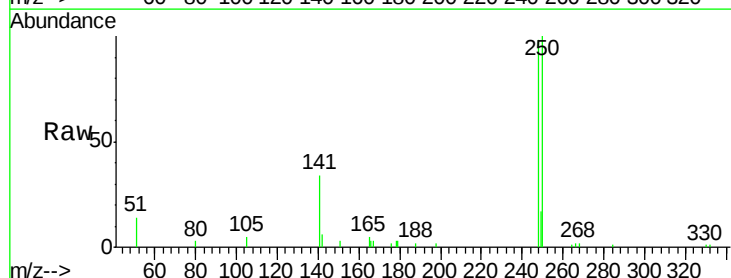
Tgt Ion:248 Resp: 5357

Ion Ratio Lower Upper

248 100

250 102.1 70.6 105.8

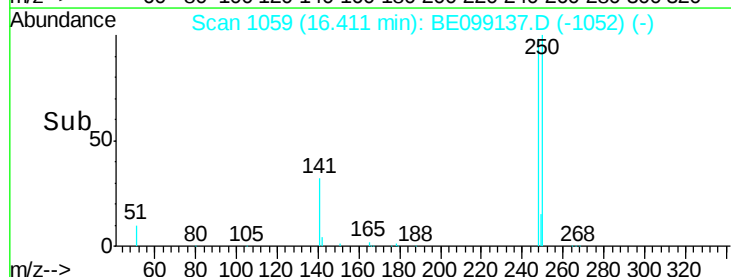
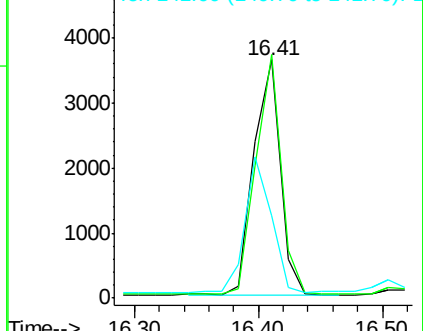
141 34.8 68.6 102.8#

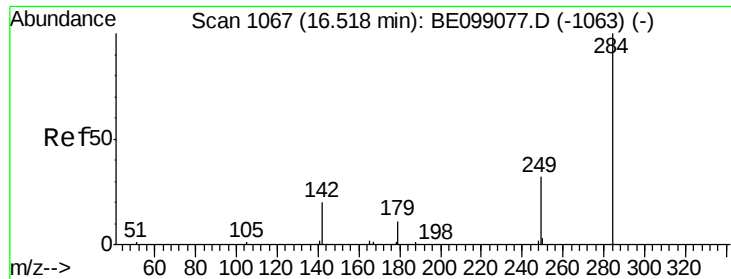


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.379 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

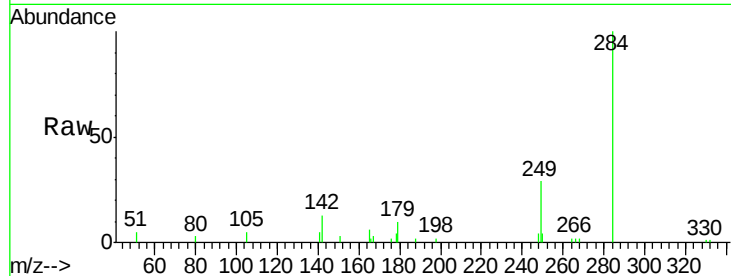
Tot Ion:284 Resp: 5006

Ion Ratio Lower Upper

284 100

142 30.3 28.7 43.1

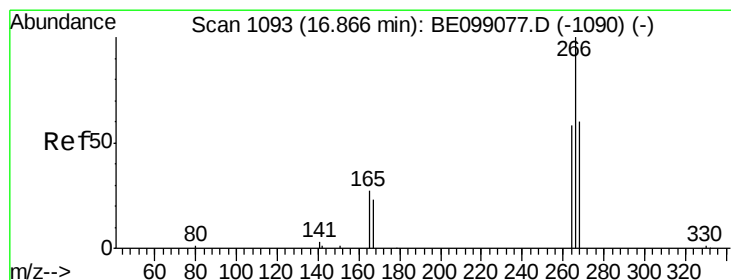
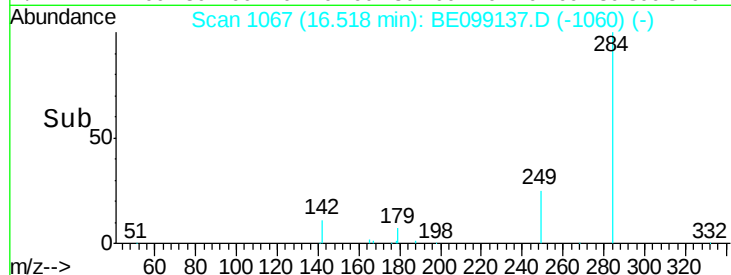
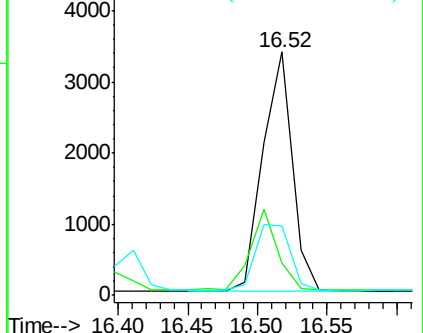
249 33.1 29.6 44.4



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: 1.298 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

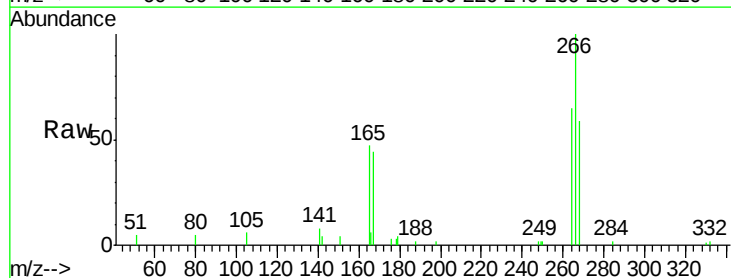
Tgt Ion:266 Resp: 5658

Ion Ratio Lower Upper

266 100

264 64.7 66.6 100.0#

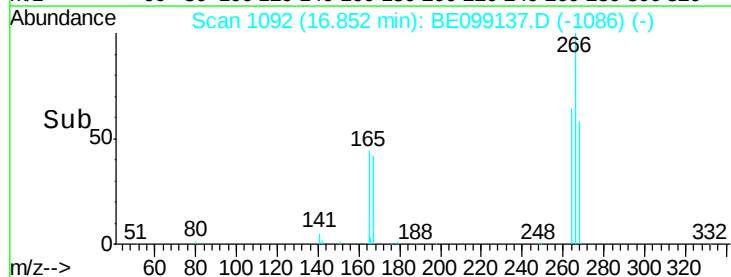
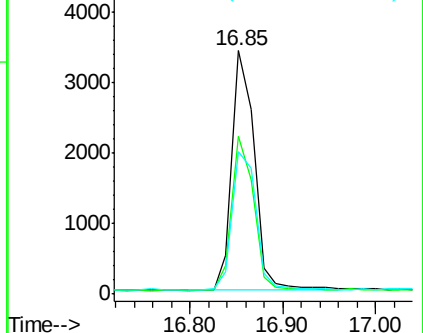
268 58.5 69.8 104.8#

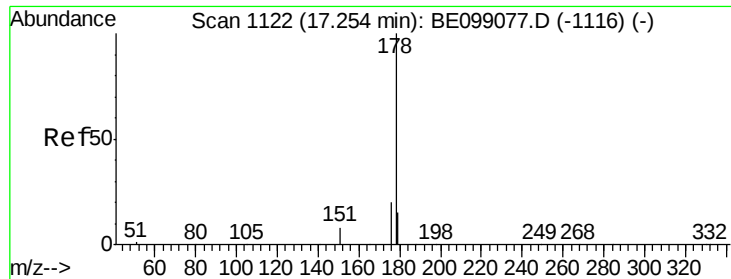


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.377 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

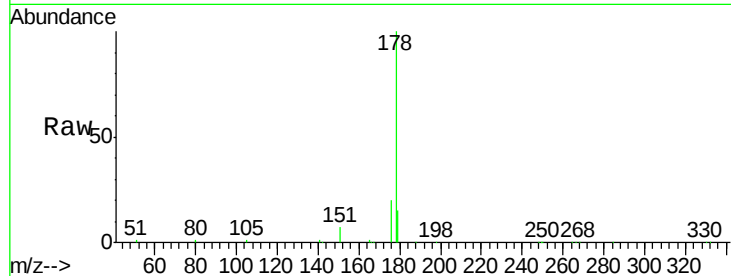
Tot Ion:178 Resp: 28757

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

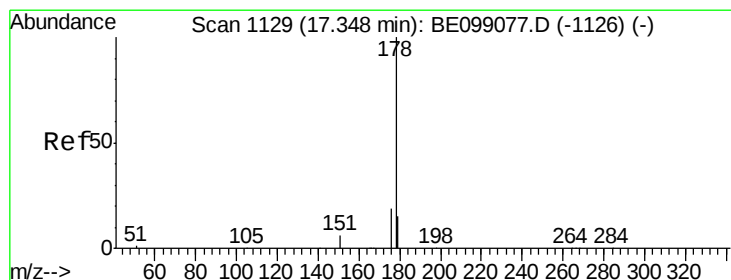
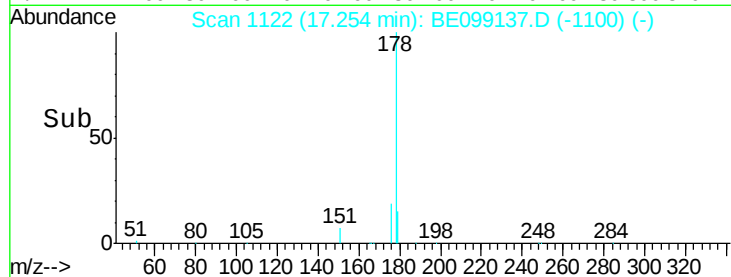
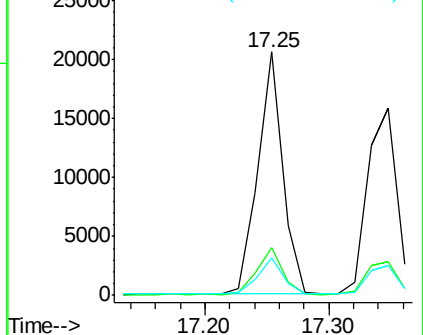
179 14.9 12.1 18.1



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: 0.361 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

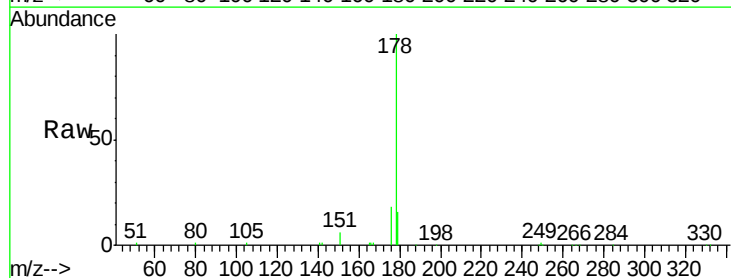
Tgt Ion:178 Resp: 26024

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

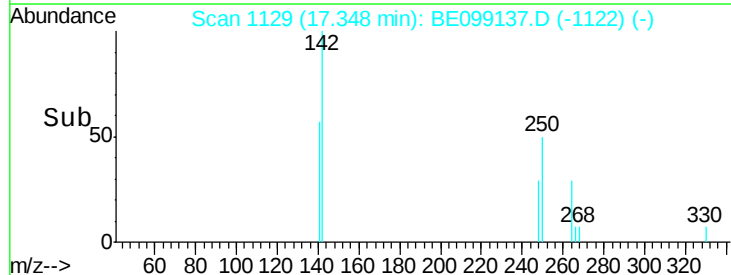
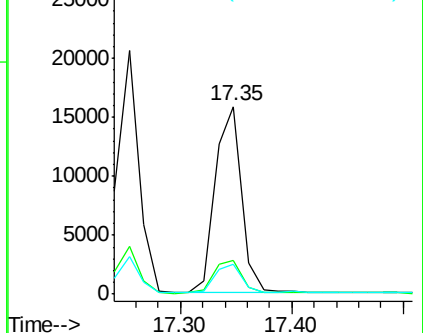
179 15.7 12.2 18.4

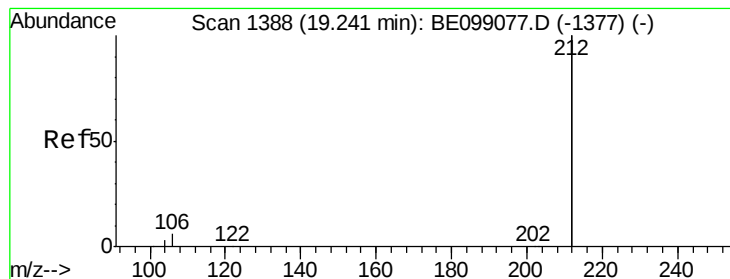


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

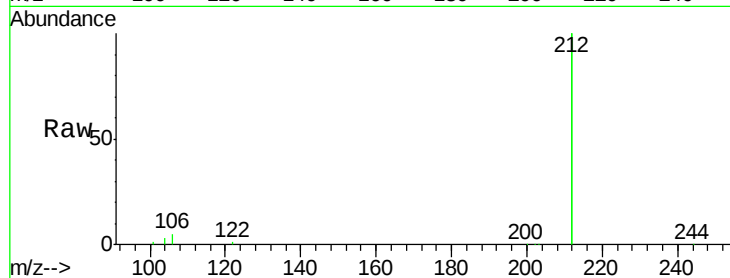
Tot Ion:212 Resp: 128506

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

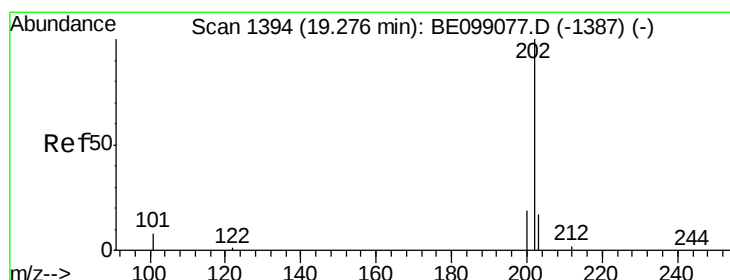
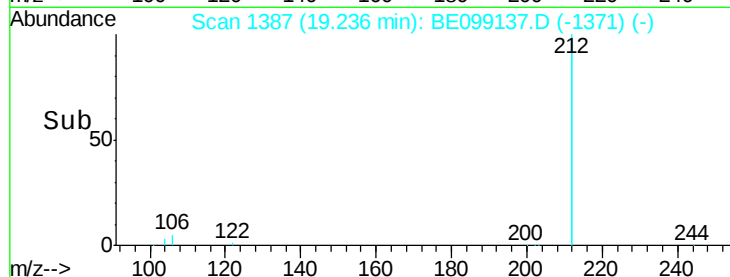
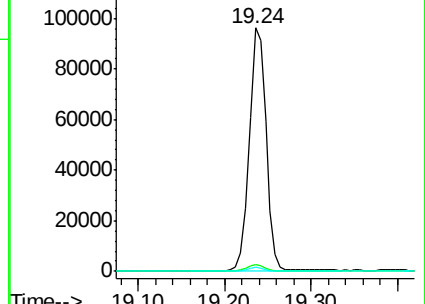
104 1.5 1.0 1.6



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: 0.437 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

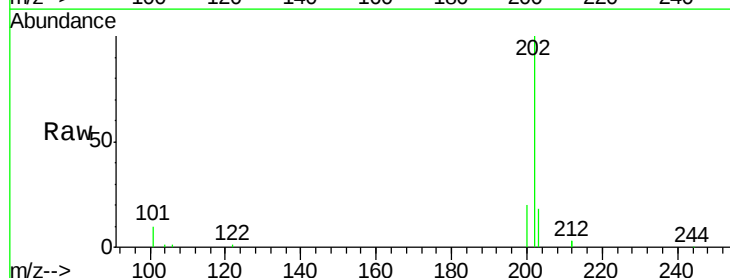
Tgt Ion:202 Resp: 46900

Ion Ratio Lower Upper

202 100

101 10.3 7.3 10.9

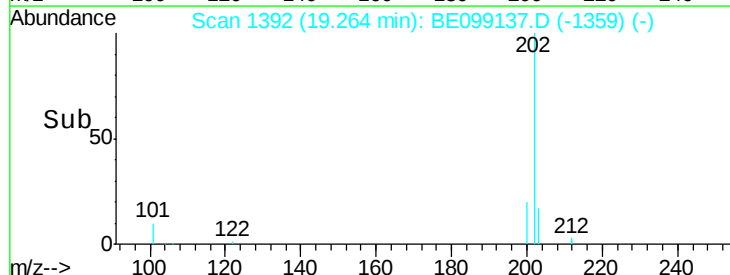
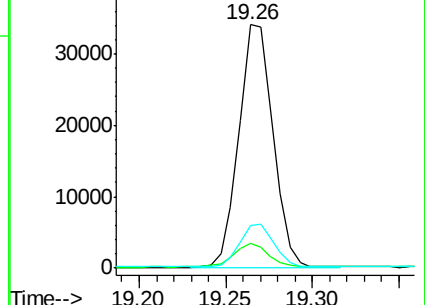
203 17.6 13.4 20.2

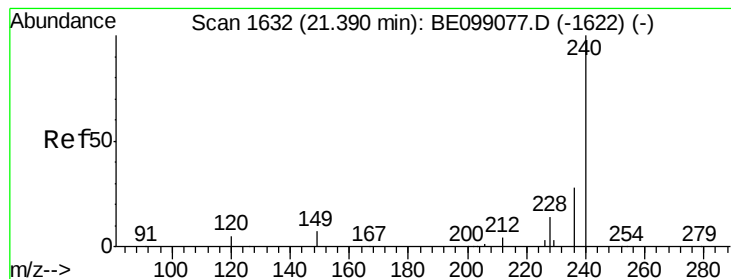


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

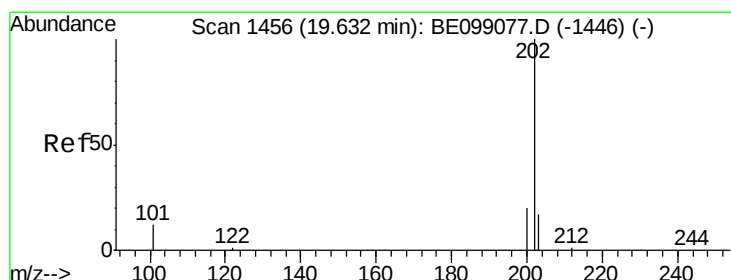
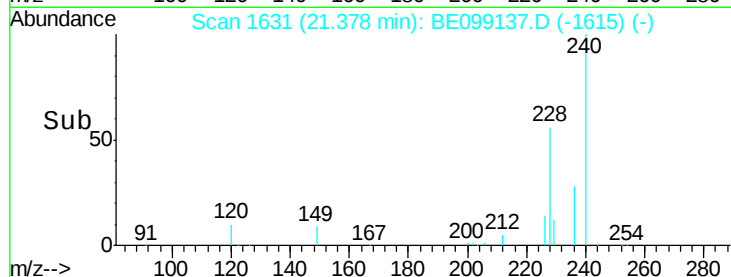
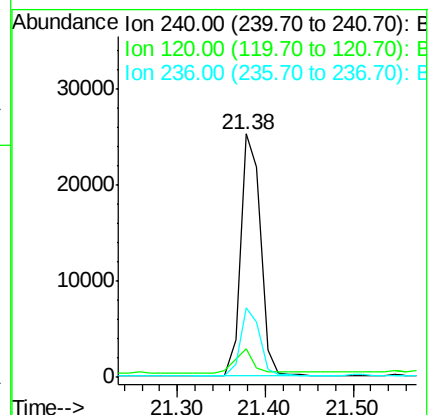
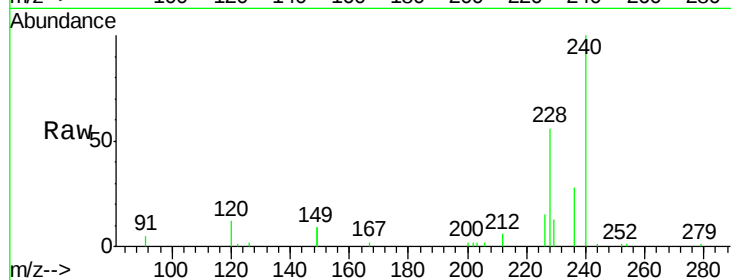
Tot Ion:240 Resp: 39480

Ion Ratio Lower Upper

240 100

120 11.6 5.0 7.4#

236 28.4 22.7 34.1



#28

Pyrene

Concen: 0.376 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

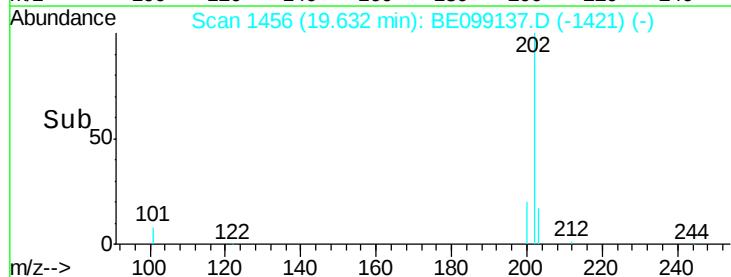
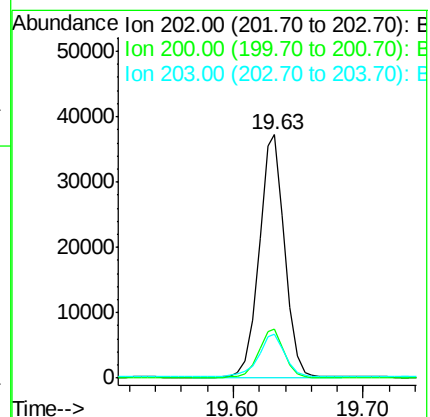
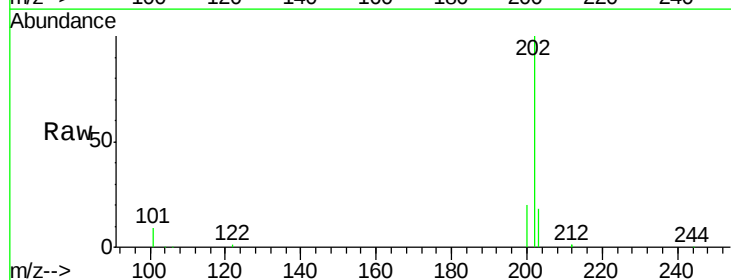
Tgt Ion:202 Resp: 50406

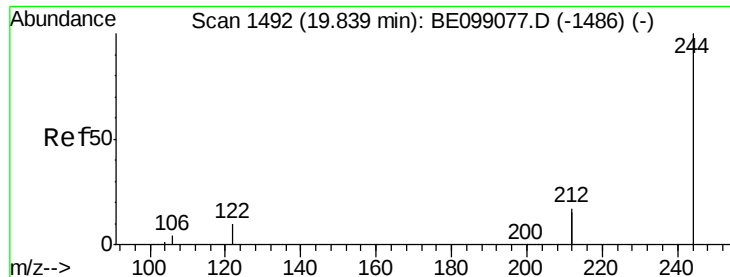
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

203 18.4 14.2 21.2





#29

Terphenyl-d14

Concen: 0.314 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

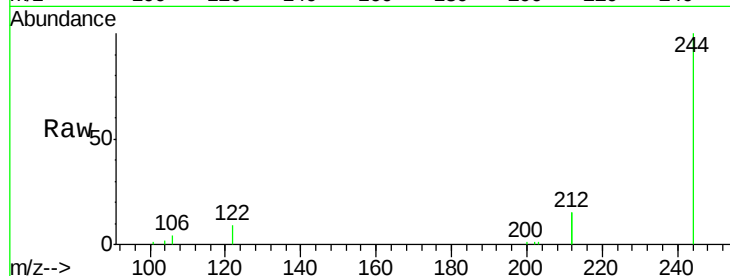
Tot Ion:244 Resp: 26232

Ion Ratio Lower Upper

244 100

212 30.4 29.4 44.2

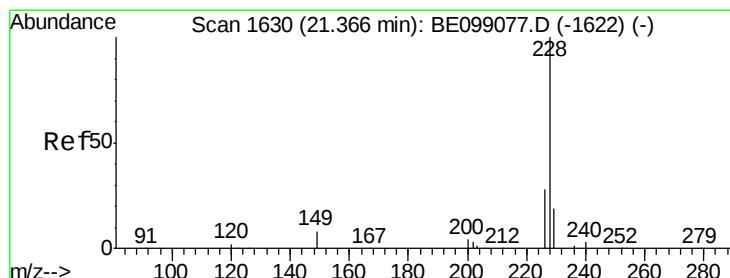
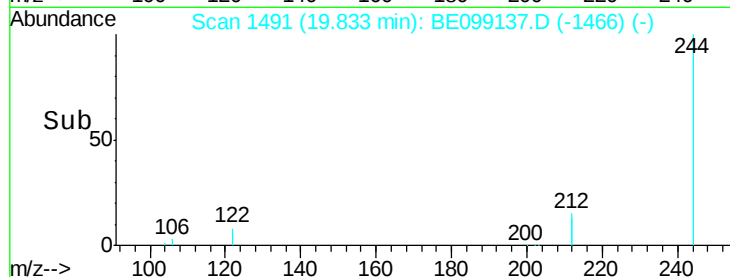
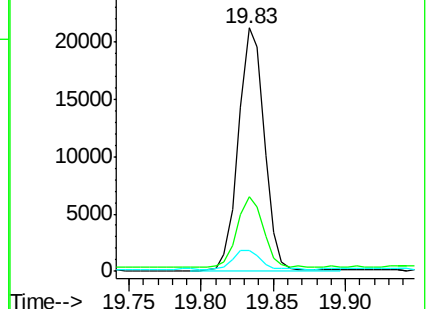
122 8.8 7.1 10.7



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: 0.387 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

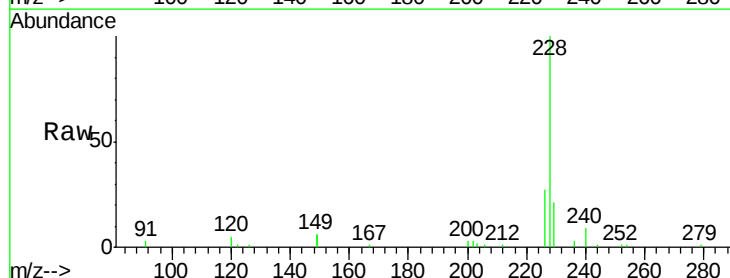
Tgt Ion:228 Resp: 53855

Ion Ratio Lower Upper

228 100

226 26.9 23.0 34.4

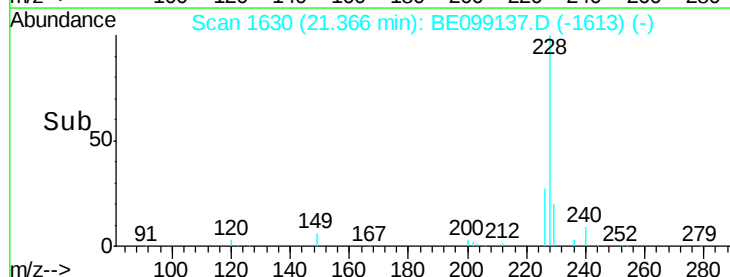
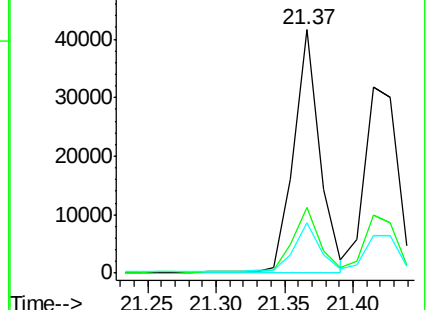
229 20.5 16.5 24.7

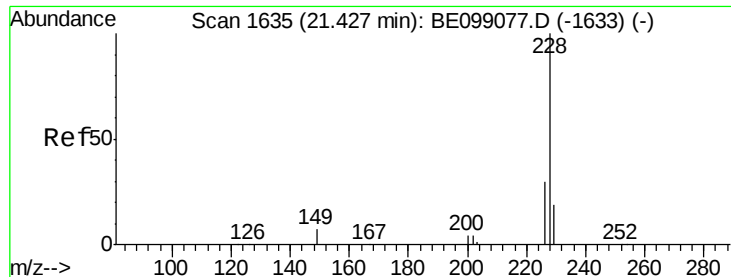


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.375 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

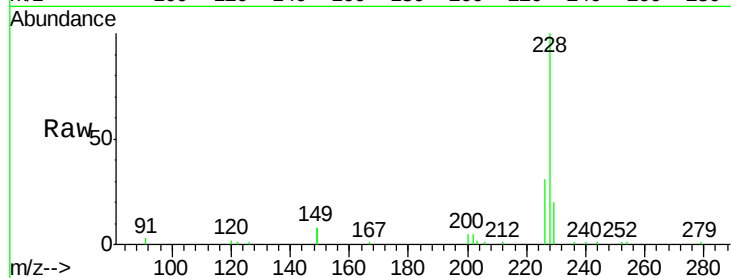
Tot Ion:228 Resp: 52154

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

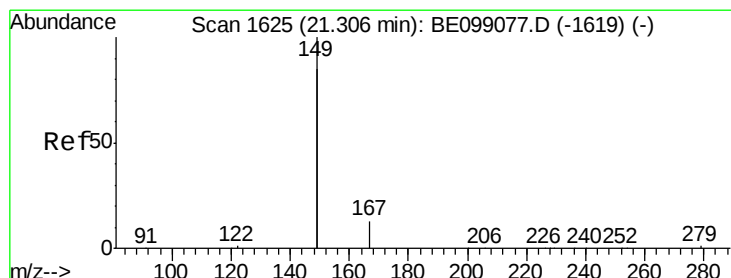
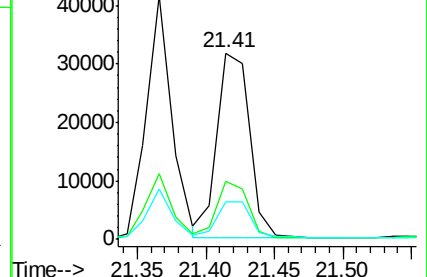
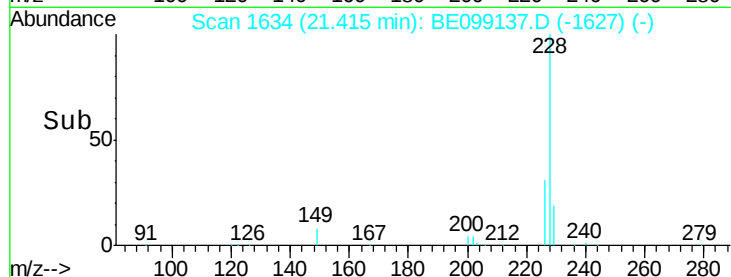
229 19.8 16.1 24.1



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: 0.620 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

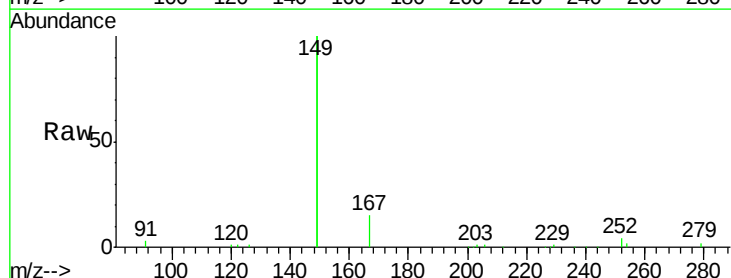
Tgt Ion:149 Resp: 111972

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

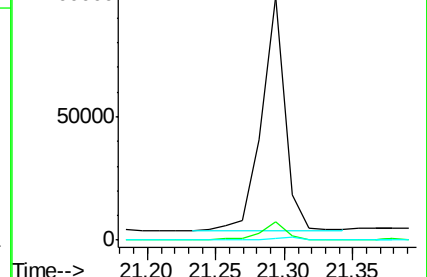
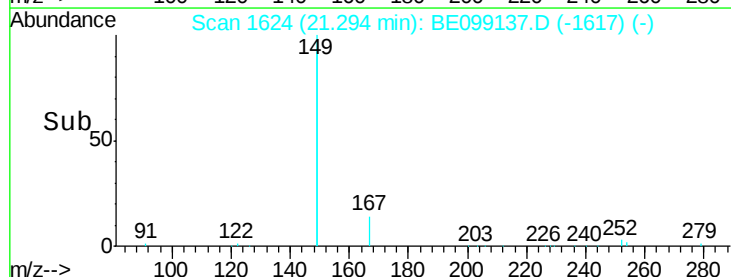
279 1.1 1.0 1.4

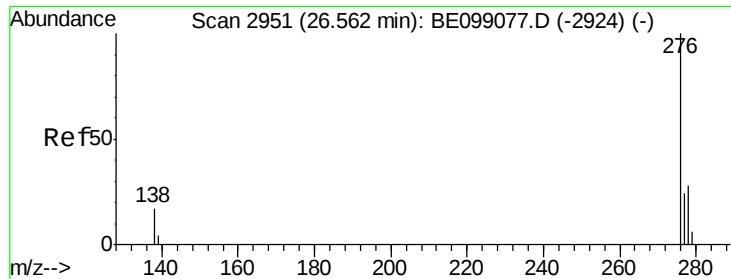


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.376 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

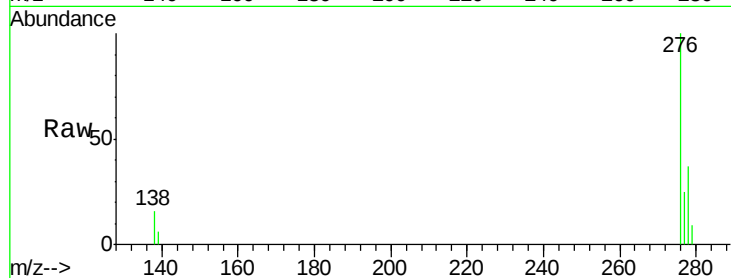
Tot Ion:276 Resp: 56201

Ion Ratio Lower Upper

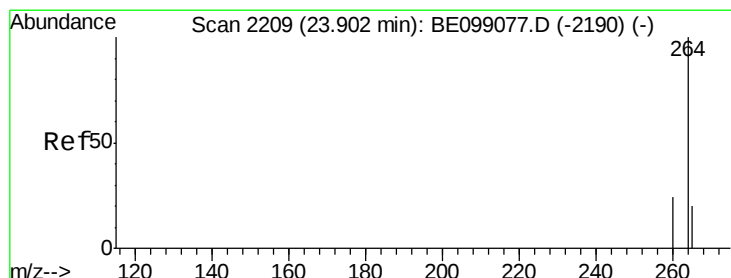
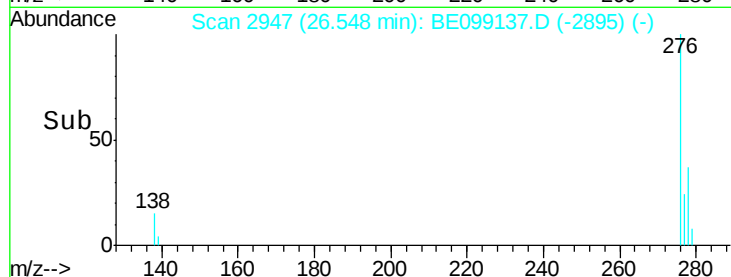
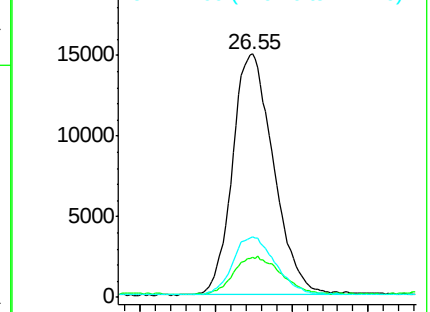
276 100

138 17.7 13.8 20.8

277 24.6 19.5 29.3



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. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

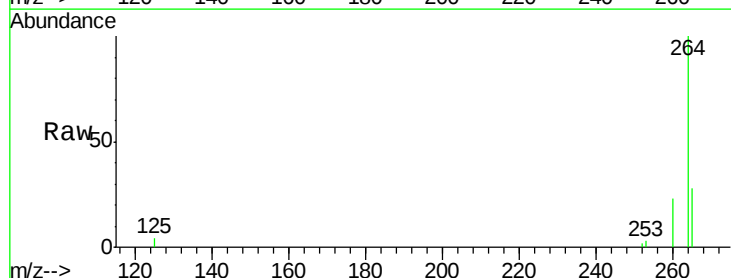
Tgt Ion:264 Resp: 43881

Ion Ratio Lower Upper

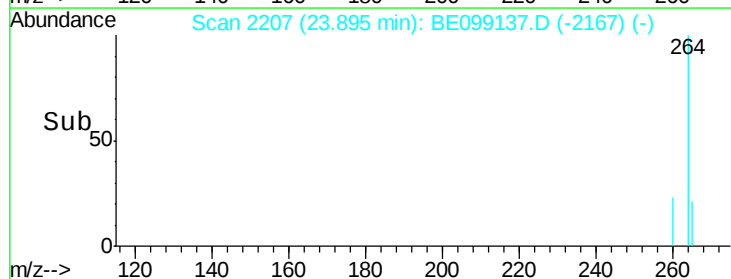
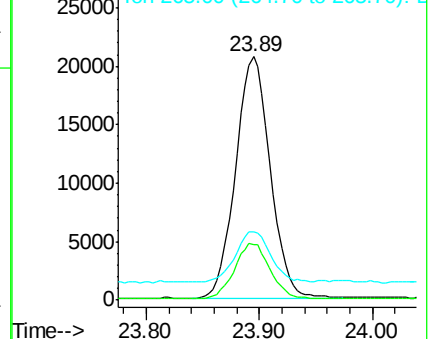
264 100

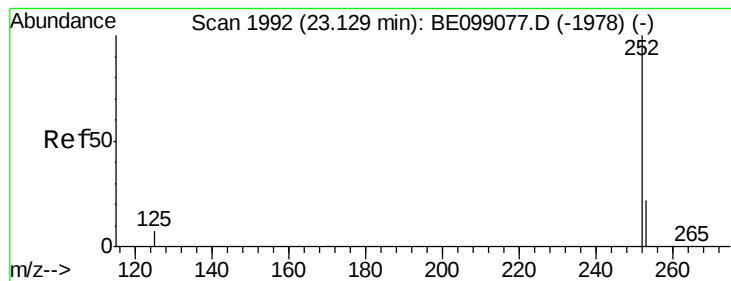
260 23.0 21.2 31.8

265 28.0 24.6 36.8



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: 0.366 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS

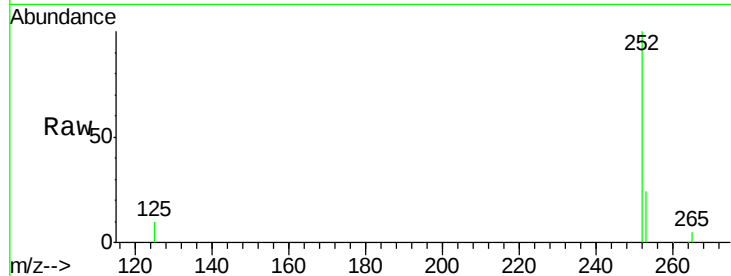
Tot Ion:252 Resp: 55516

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

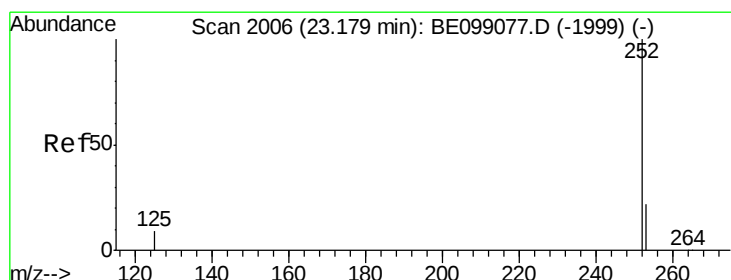
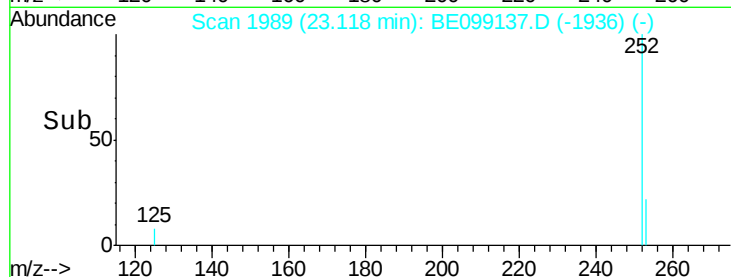
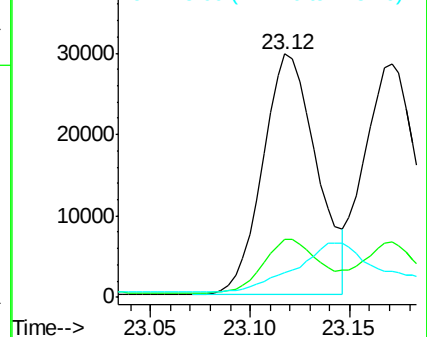
125 9.9 7.3 10.9



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



#36

Benzo(k)fluoranthene

Concen: 0.351 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BE099137.D

Acq: 24 Mar 2019 7:28

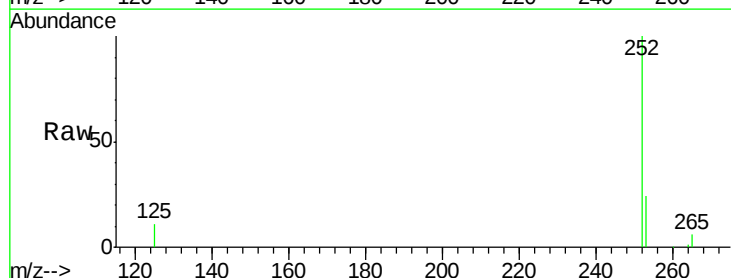
Tgt Ion:252 Resp: 52192

Ion Ratio Lower Upper

252 100

253 23.8 19.3 28.9

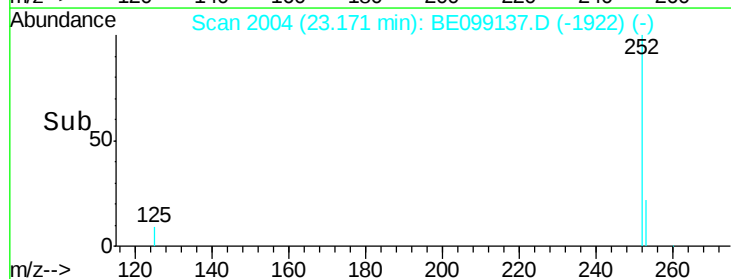
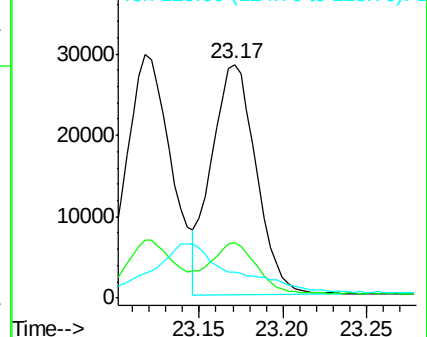
125 11.0 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

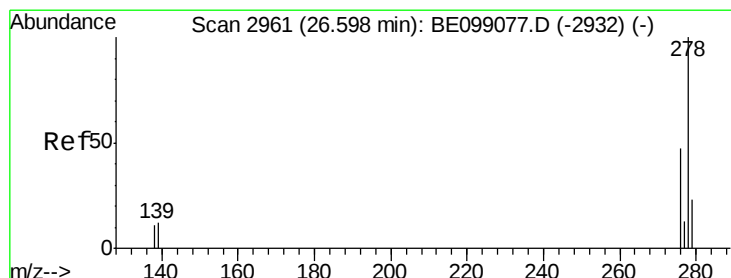
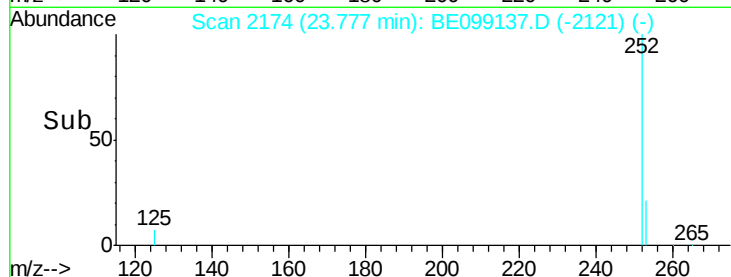
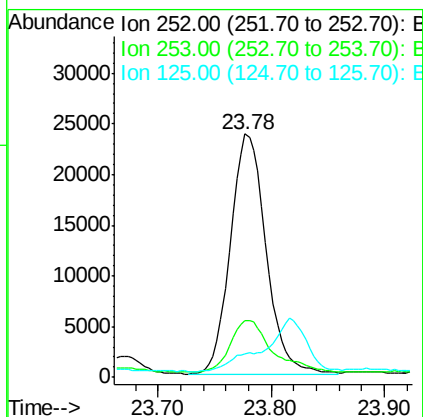
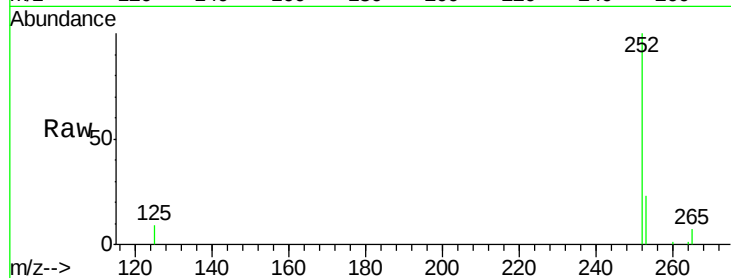




#37
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

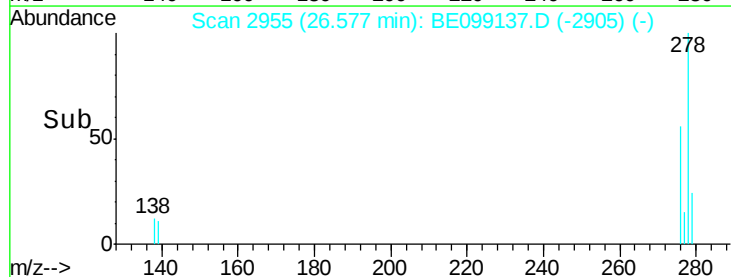
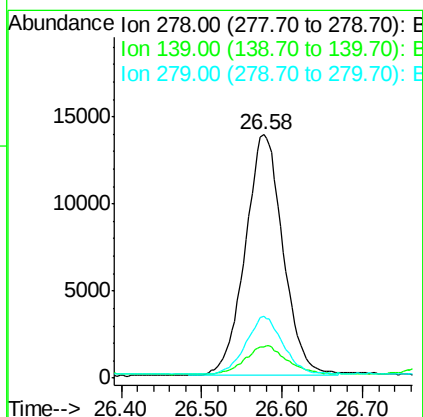
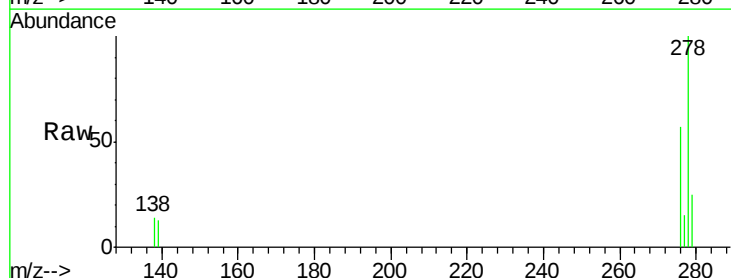
Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219MS

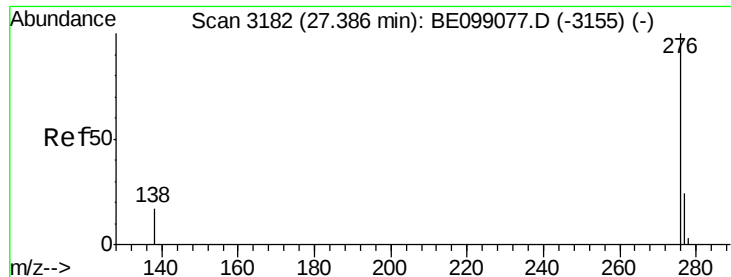
Tot Ion:252 Resp: 51825
Ion Ratio Lower Upper
252 100
253 23.4 19.9 29.9
125 9.5 9.0 13.4



#38
Dibenzo(a,h)anthracene
Concen: 0.332 ng
RT: 26.58 min Scan# 2955
Delta R.T. -0.02 min
Lab File: BE099137.D
Acq: 24 Mar 2019 7:28

Tgt Ion:278 Resp: 45345
Ion Ratio Lower Upper
278 100
139 13.0 11.8 17.6
279 25.3 21.1 31.7





#39

Benzo(a,h,i)perylene

Concen: 0.344 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099137.D

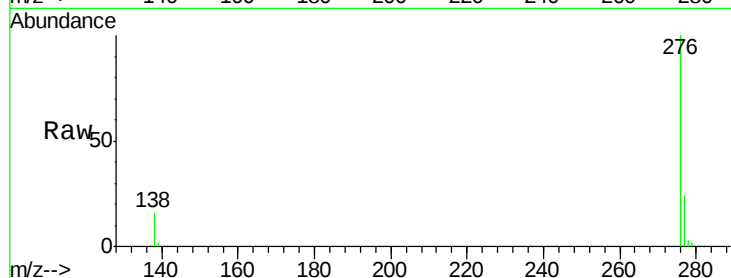
Acq: 24 Mar 2019 7:28

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219MS



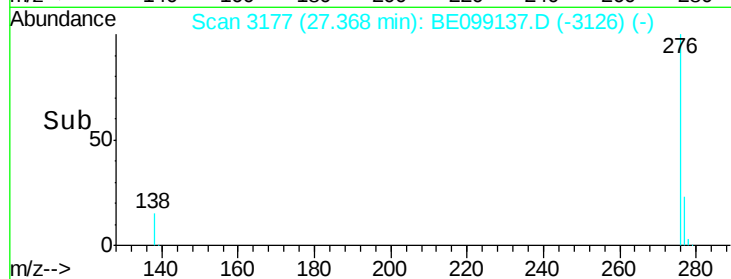
Tot Ion: 276 Resp: 48173

Ion Ratio Lower Upper

276 100

277 24.5 20.4 30.6

138 16.5 13.6 20.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

