

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099178.D
 Acq On : 25 Mar 2019 11:52
 Operator : JU/SJ
 Sample : SSTDICC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 25 14:14:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 25 14:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4179	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	19493	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	13841	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	36274	0.40	ng	0.00
27) Chrysene-d12	21.39	240	39682	0.40	ng	0.00
34) Perylene-d12	23.89	264	41026	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4541	0.36	ng	0.00
5) Phenol-d6	6.99	99	6831	0.38	ng	0.00
8) Nitrobenzene-d5	8.99	82	5173	0.61	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13383	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1283	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	20362	0.37	ng	0.00
25) Fluoranthene-d10	19.24	212	151391	0.31	ng	0.00
29) Terphenyl-d14	19.83	244	31135	0.37	ng	0.00

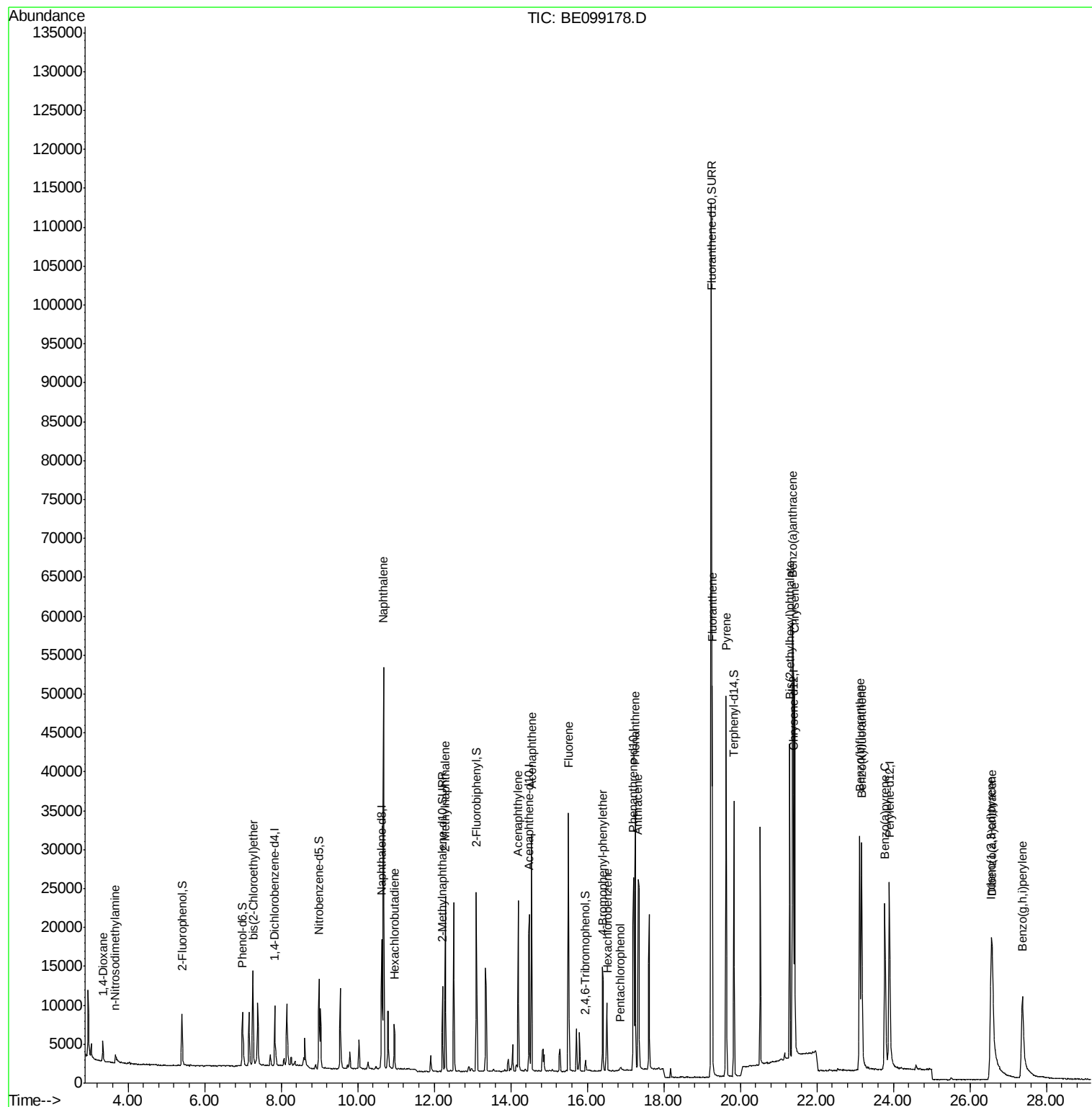
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1938	0.299	ng	98
3) n-Nitrosodimethylamine	3.67	42	943	0.282	ng	99
6) bis(2-Chloroethyl)ether	7.26	93	5282	0.363	ng	99
9) Naphthalene	10.68	128	81296	0.354	ng	100
10) Hexachlorobutadiene	10.95	225	4226	0.376	ng	100
12) 2-Methylnaphthalene	12.30	142	14547	0.370	ng	100
16) Acenaphthylene	14.20	152	23953	0.324	ng	100
17) Acenaphthene	14.54	154	14739	0.336	ng	100
18) Fluorene	15.51	166	20487	0.321	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	7870	0.392	ng	100
21) Hexachlorobenzene	16.52	284	7619	0.409	ng	100
22) Pentachlorophenol	16.87	266	431	0.308	ng	100
23) Phenanthrene	17.26	178	36489	0.339	ng	100
24) Anthracene	17.34	178	31402	0.308	ng	100
26) Fluoranthene	19.27	202	45134	0.298	ng	100
28) Pyrene	19.63	202	45658	0.339	ng	100
30) Benzo(a)anthracene	21.37	228	43779	0.313	ng	100
31) Chrysene	21.41	228	48326	0.346	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	43999	0.243	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	42159	0.281	ng	100
35) Benzo(b)fluoranthene	23.12	252	44324	0.312	ng	100
36) Benzo(k)fluoranthene	23.17	252	48526	0.349	ng	100
37) Benzo(a)pyrene	23.78	252	41511	0.316	ng	100
38) Dibenzo(a,h)anthracene	26.59	278	34667	0.272	ng	100
39) Benzo(g,h,i)perylene	27.38	276	35648	0.272	ng	100

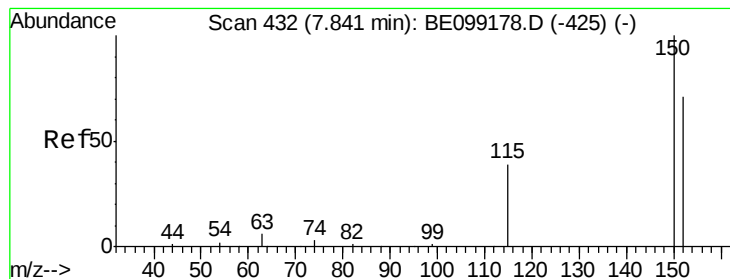
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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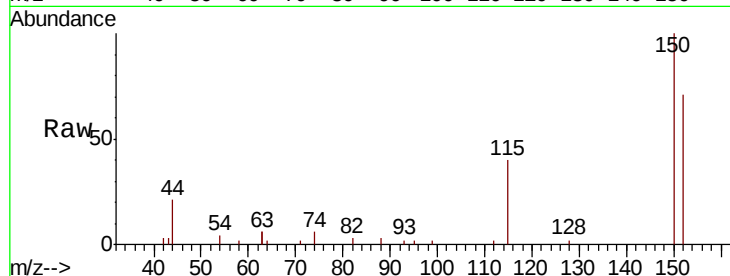


#1

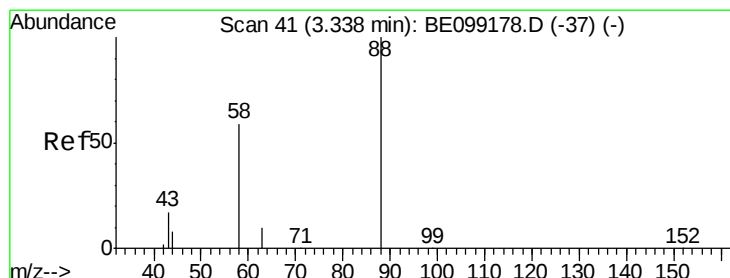
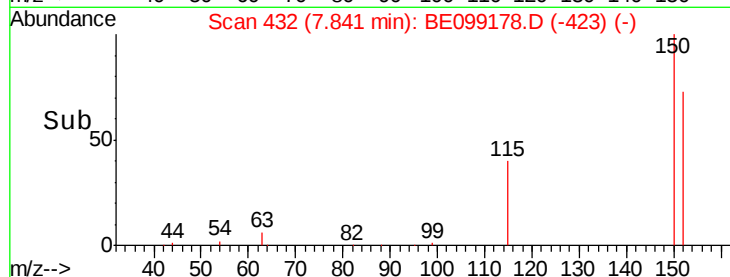
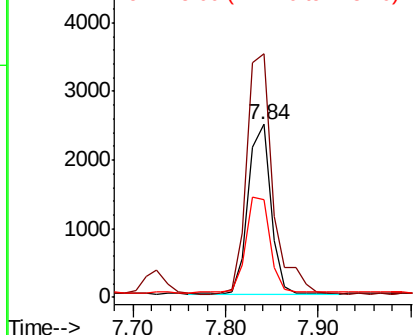
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4179
Ion Ratio Lower Upper
152 100
150 141.0 112.8 169.2
115 56.4 45.1 67.7



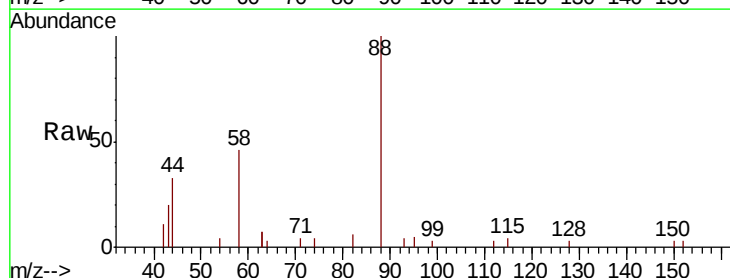
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



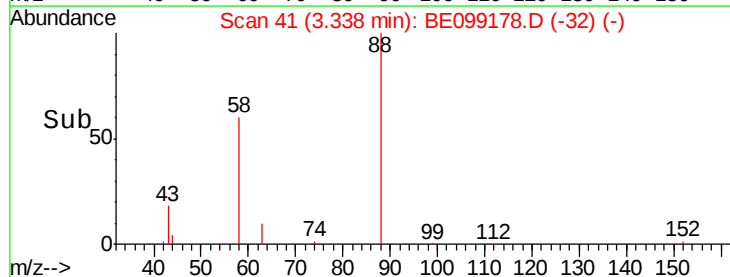
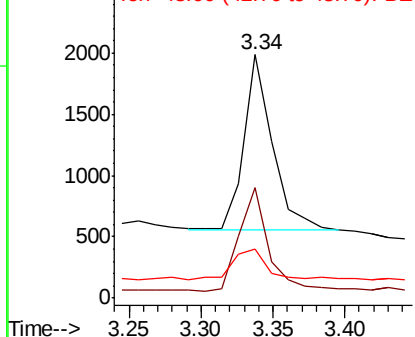
#2

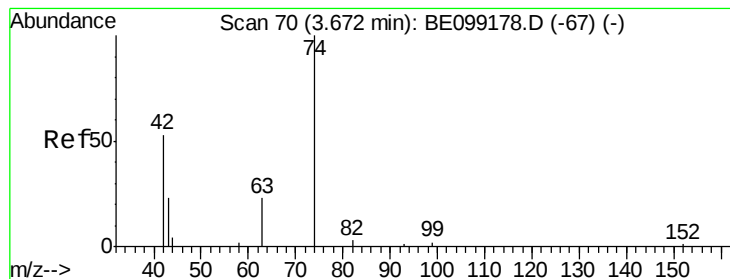
1,4-Dioxane
Concen: 0.299 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion: 88 Resp: 1938
Ion Ratio Lower Upper
88 100
58 61.1 47.4 71.0
43 20.4 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



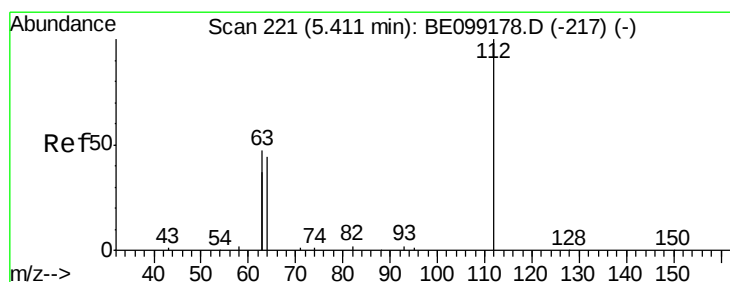
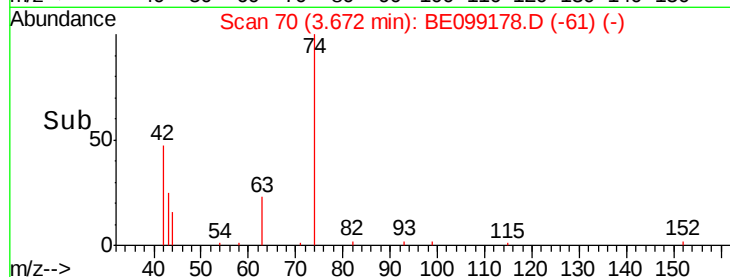
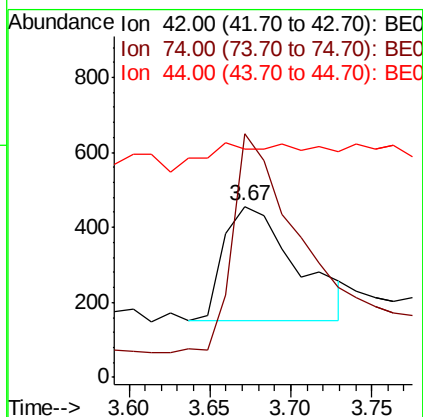
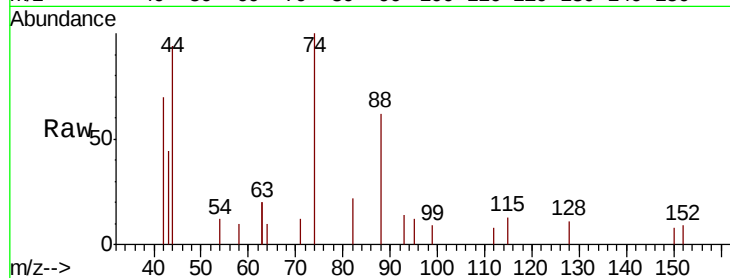


#3

n-Nitrosodimethylamine
 Concen: 0.282 ng
 RT: 3.67 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: BE099178.D
 Acq: 25 Mar 2019 11:52

Instrument :
 BNA_E
 ClientSampleId :

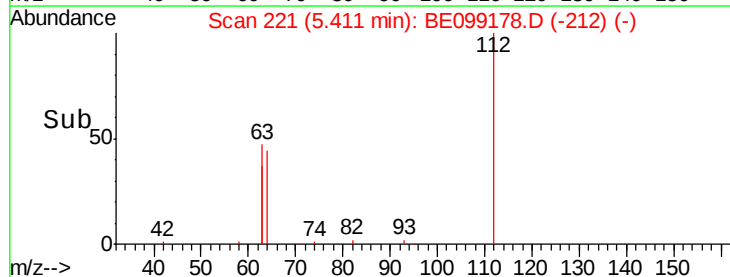
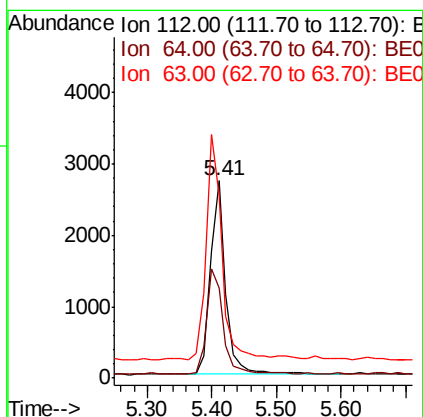
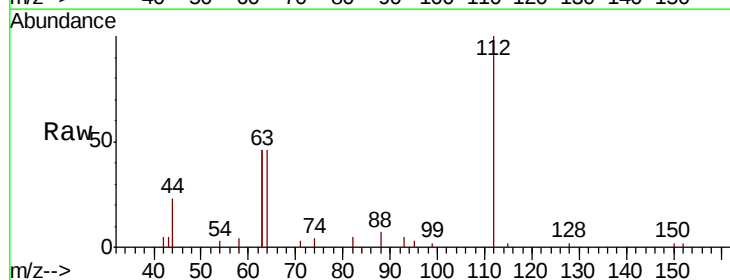
Tot Ion: 42 Resp: 943
 Ion Ratio Lower Upper
 42 100
 74 172.4 138.6 207.8
 44 19.8 15.0 22.6

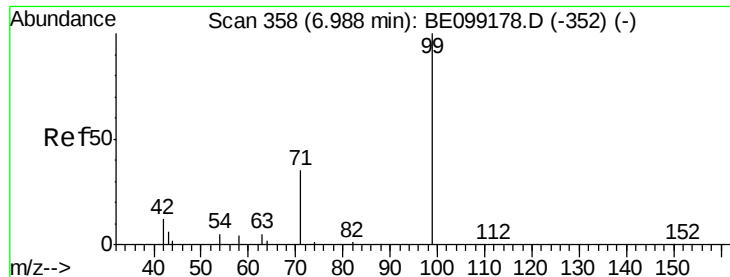


#4

2-Fluorophenol
 Concen: 0.365 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: BE099178.D
 Acq: 25 Mar 2019 11:52

Tgt Ion: 112 Resp: 4541
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.2 69.2
 63 112.4 89.9 134.9





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampled :

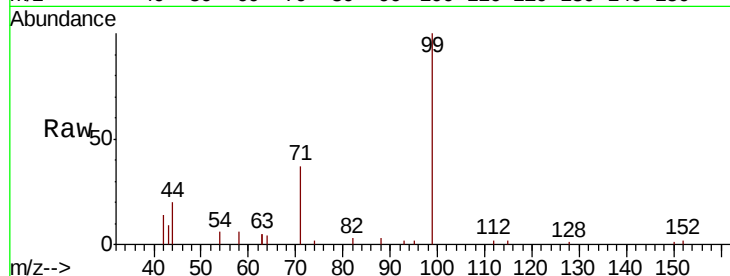
Tot Ion: 99 Resp: 6831

Ion Ratio Lower Upper

99 100

42 15.5 12.4 18.6

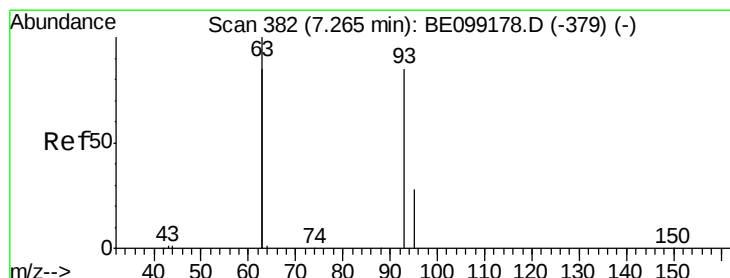
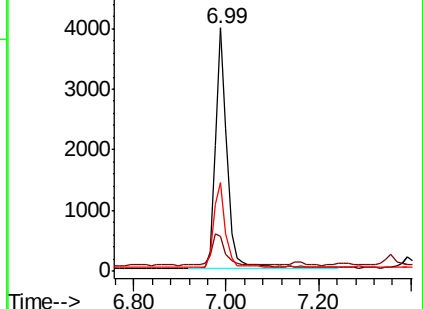
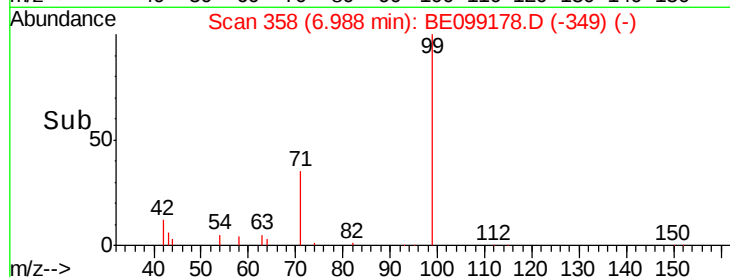
71 35.5 28.4 42.6



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: 0.363 ng

RT: 7.26 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

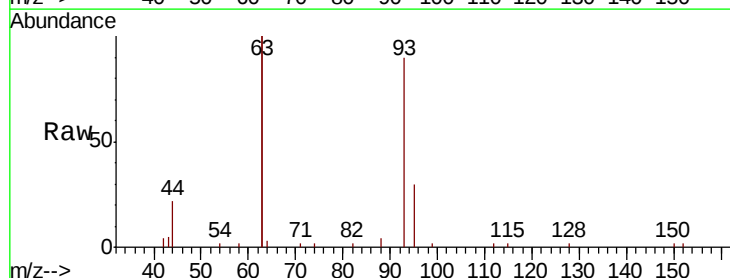
Tgt Ion: 93 Resp: 5282

Ion Ratio Lower Upper

93 100

63 275.6 221.4 332.0

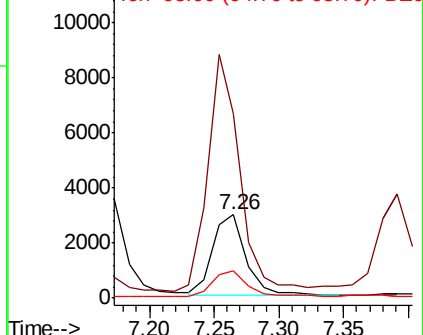
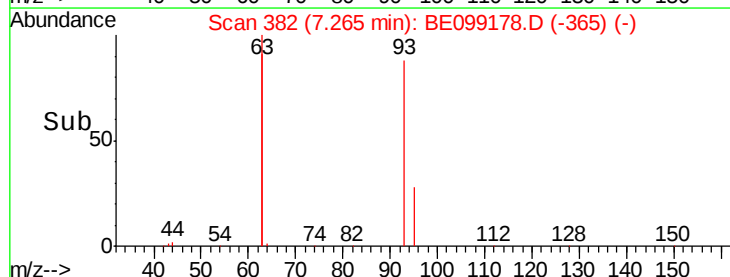
95 32.2 25.8 38.8

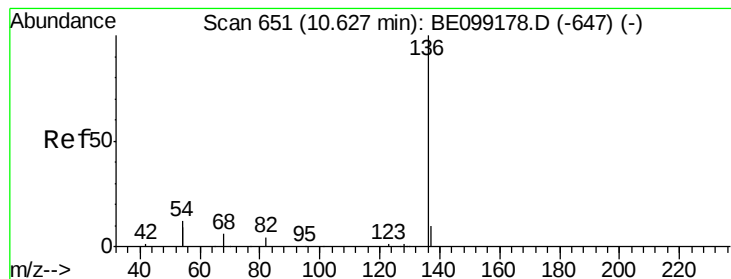


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 19493

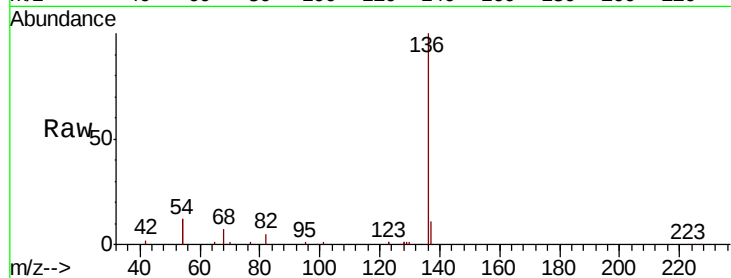
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 23.4 18.7 28.1

68 6.5 5.2 7.8

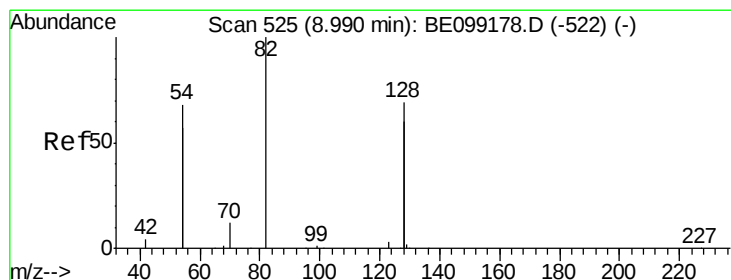
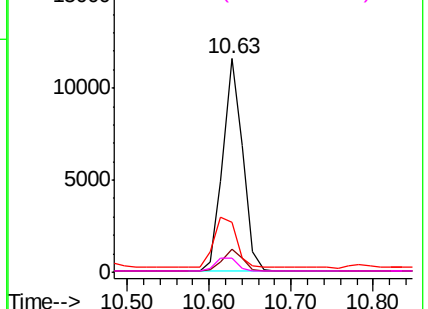
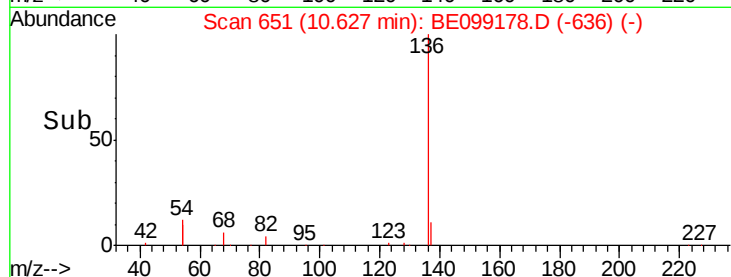


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.607 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

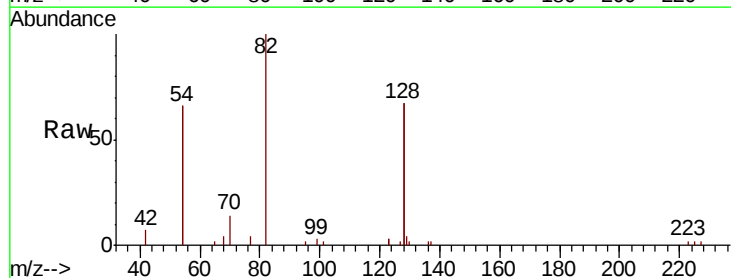
Tgt Ion: 82 Resp: 5173

Ion Ratio Lower Upper

82 100

128 134.4 107.5 161.3

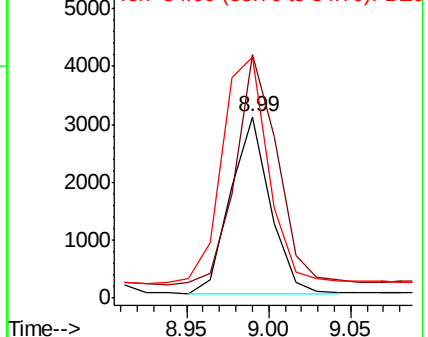
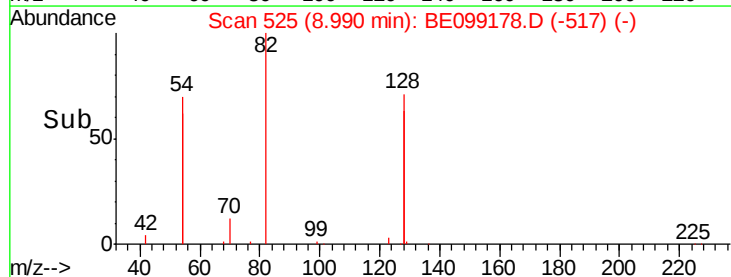
54 132.9 106.3 159.5

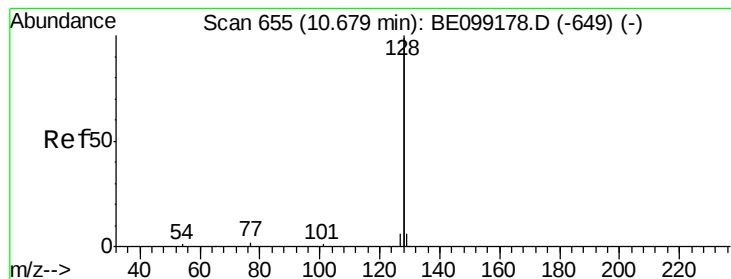


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.354 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

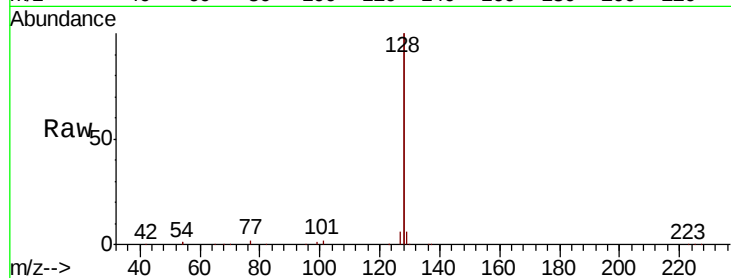
Tot Ion:128 Resp: 81296

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

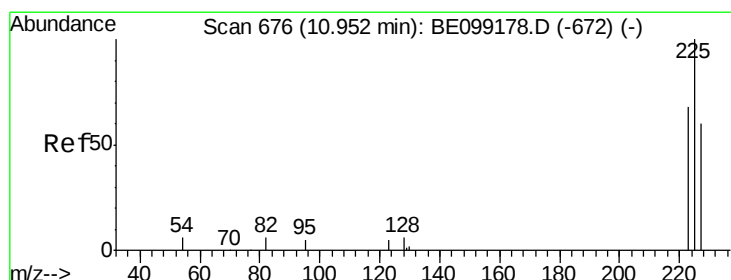
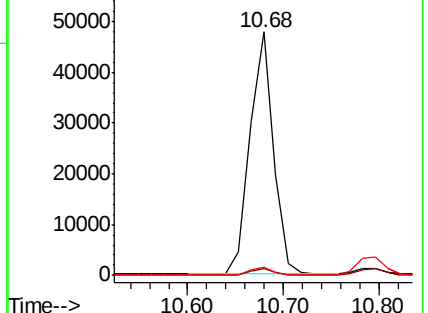
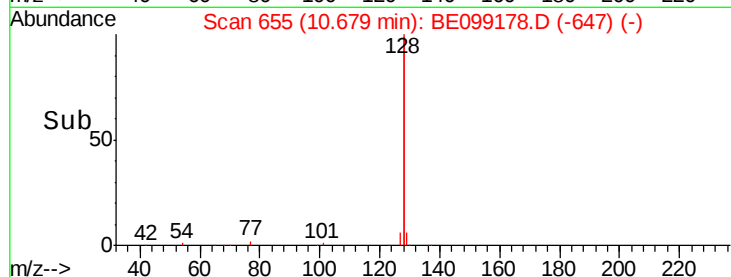
127 3.2 2.6 3.8



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: 0.376 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

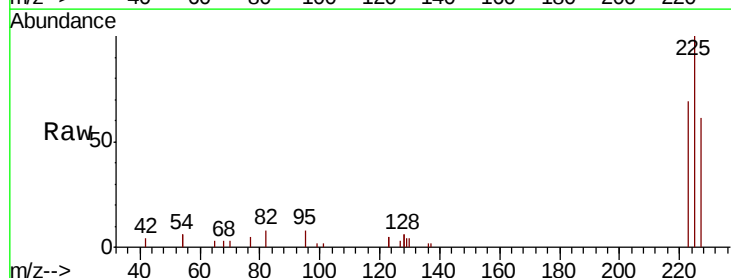
Tgt Ion:225 Resp: 4226

Ion Ratio Lower Upper

225 100

223 64.1 51.3 76.9

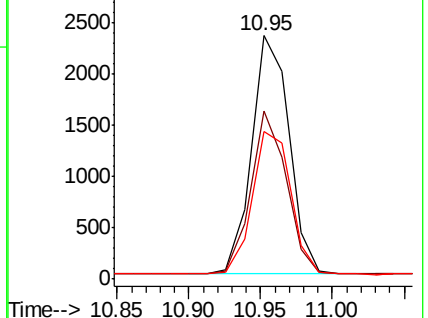
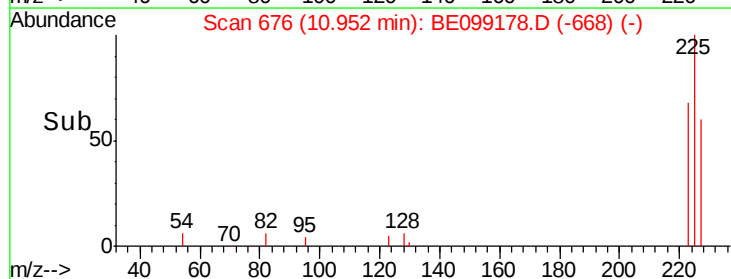
227 60.8 48.6 73.0

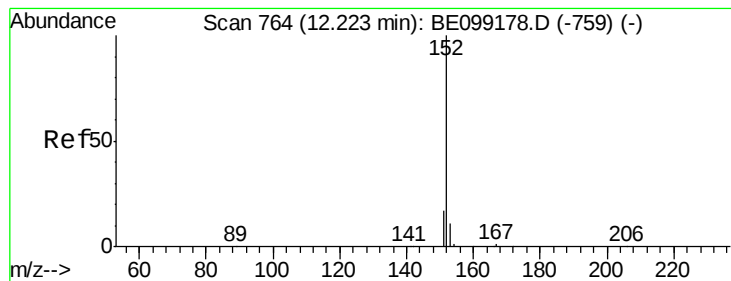


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.381 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

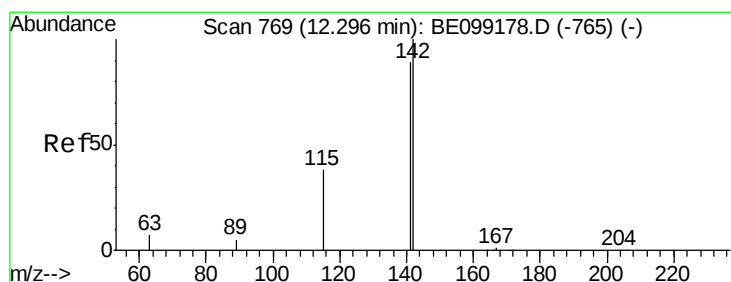
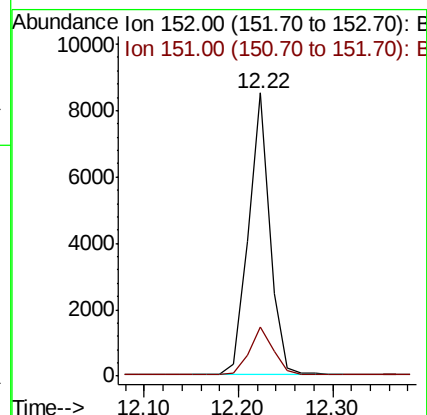
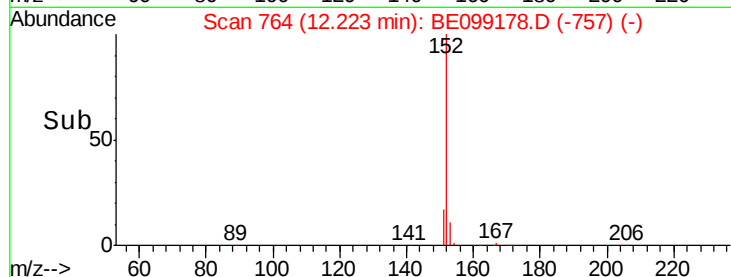
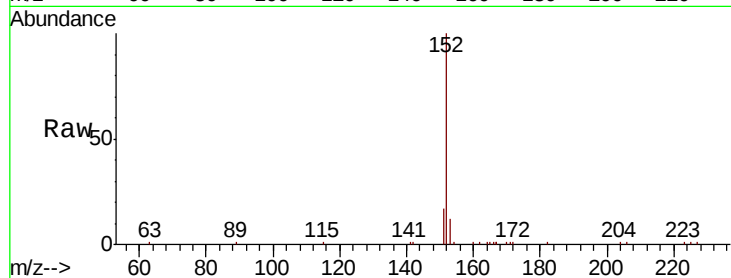
ClientSampleId :

Tot Ion:152 Resp: 13383

Ion Ratio Lower Upper

152 100

151 18.8 15.0 22.6



#12

2-Methylnaphthalene

Concen: 0.370 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

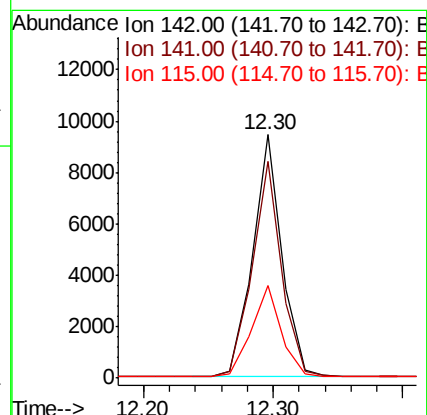
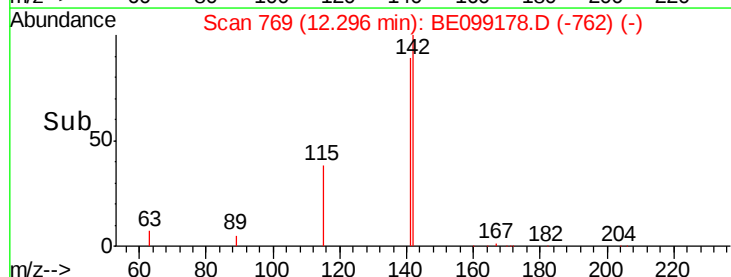
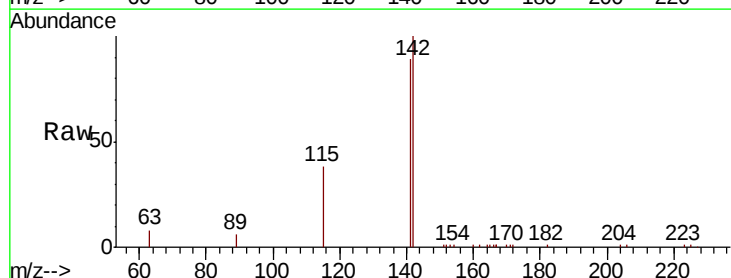
Tgt Ion:142 Resp: 14547

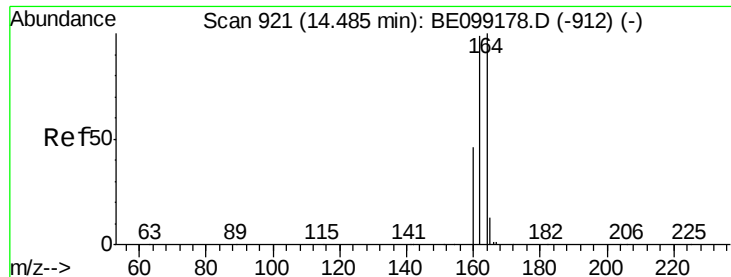
Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9

115 38.0 30.4 45.6

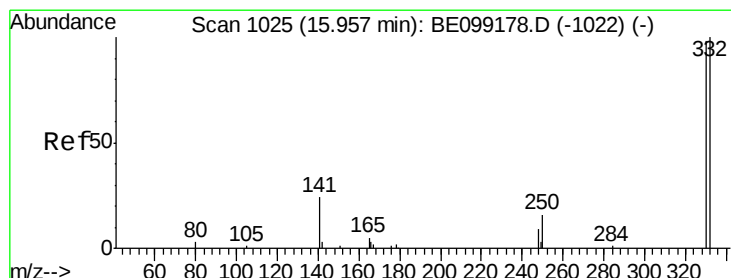
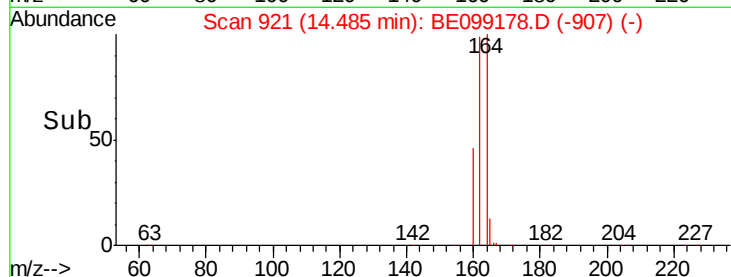
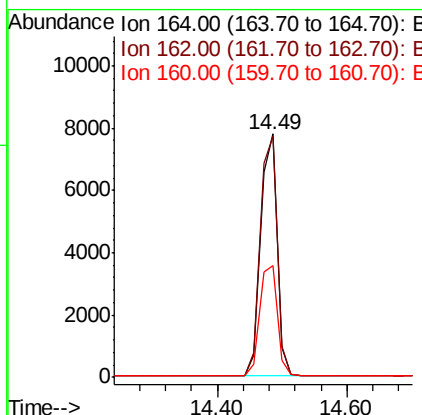
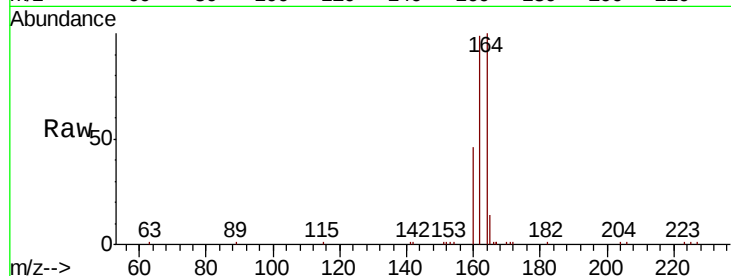




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

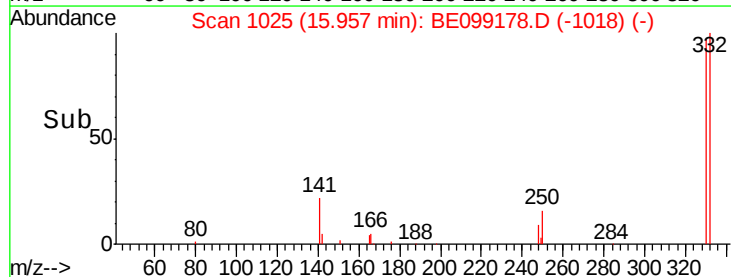
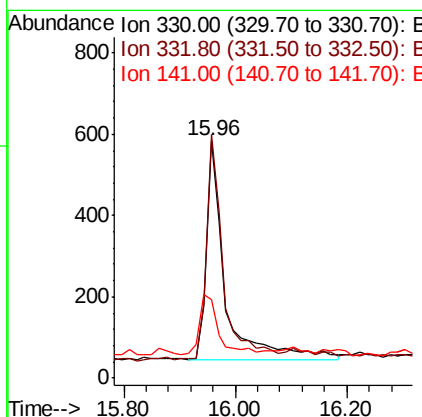
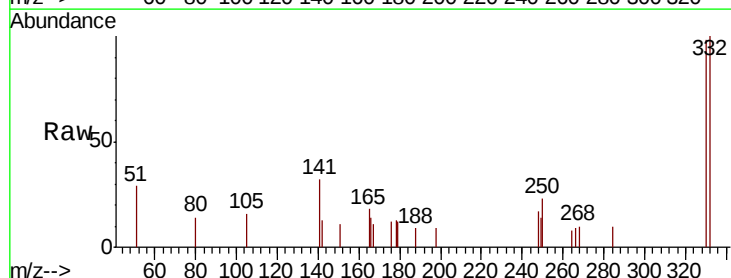
Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 13841
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 45.9 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:330 Resp: 1283
Ion Ratio Lower Upper
330 100
332 89.1 71.3 106.9
141 27.1 21.7 32.5

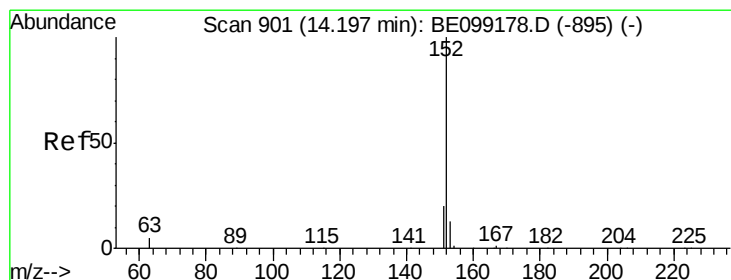
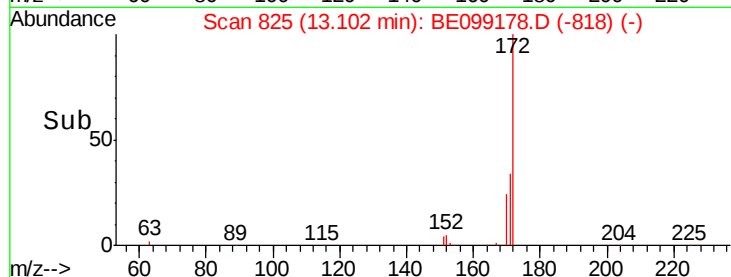
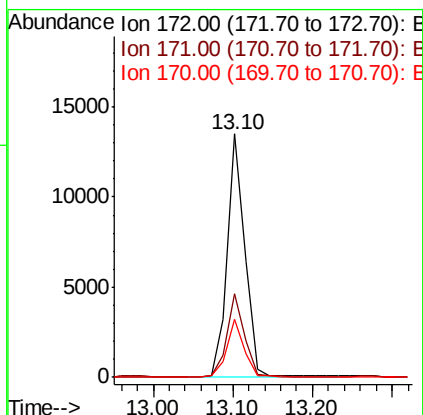
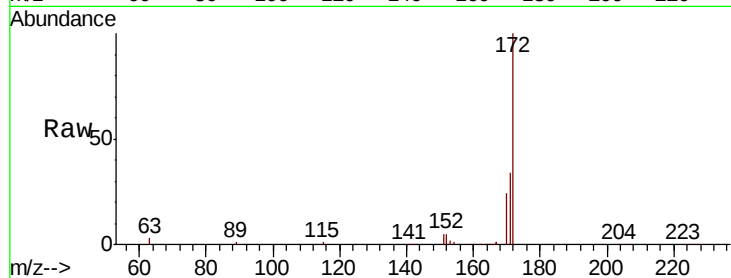




#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

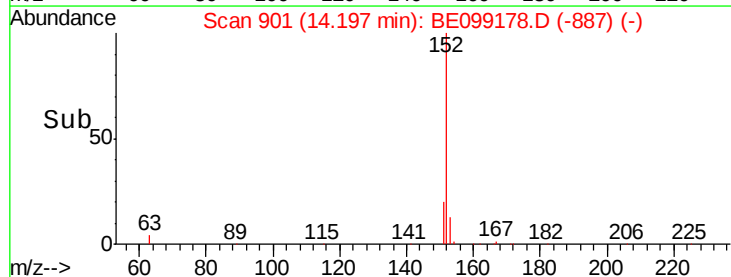
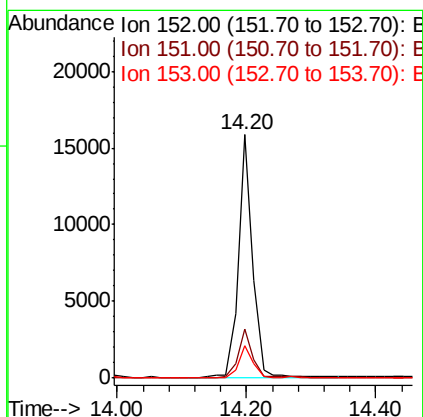
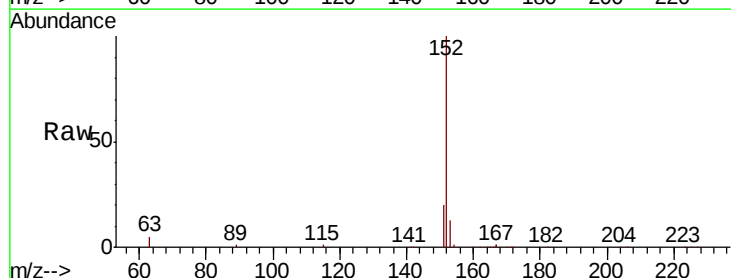
Instrument :
BNA_E
ClientSampleId :

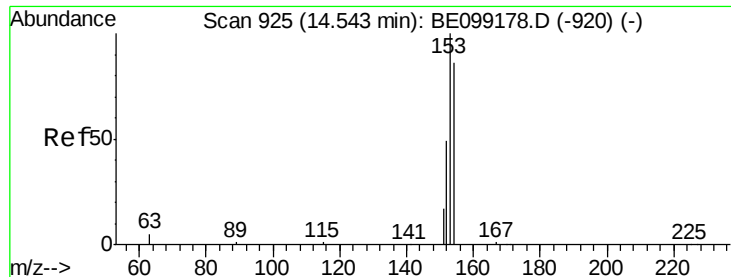
Tot Ion:172 Resp: 20362
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.9 19.1 28.7



#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:152 Resp: 23953
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.6 15.8

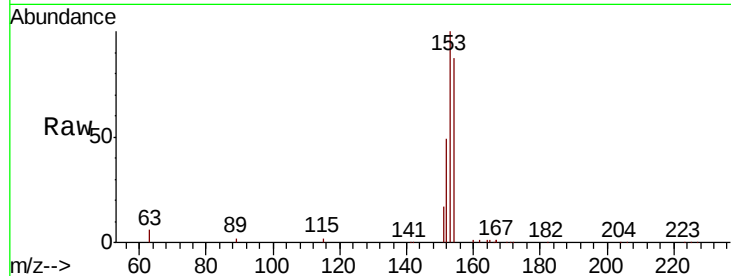




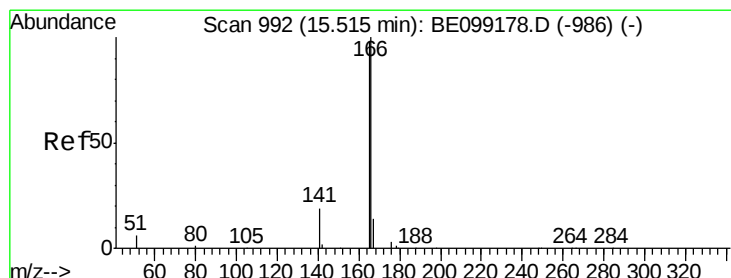
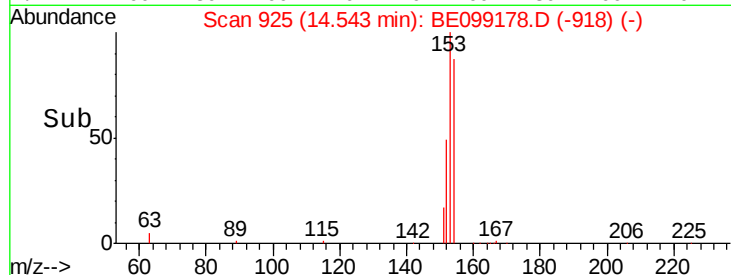
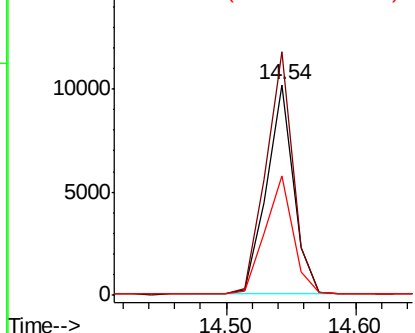
#17
Acenaphthene
Concen: 0.336 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 14739
Ion Ratio Lower Upper
154 100
153 116.7 93.4 140.0
152 58.2 46.6 69.8

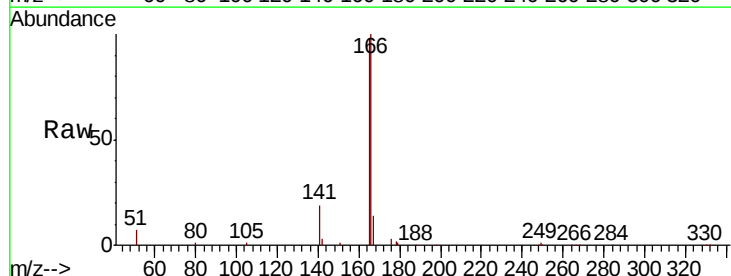


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

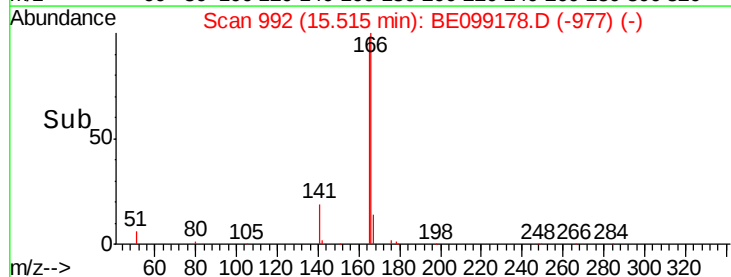
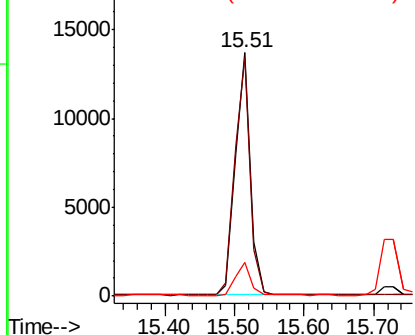


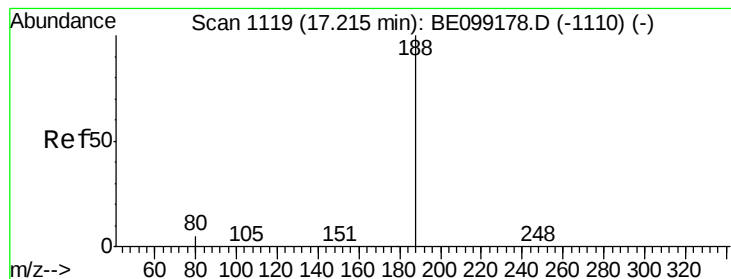
#18
Fluorene
Concen: 0.321 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:166 Resp: 20487
Ion Ratio Lower Upper
166 100
165 98.6 78.9 118.3
167 13.6 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: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

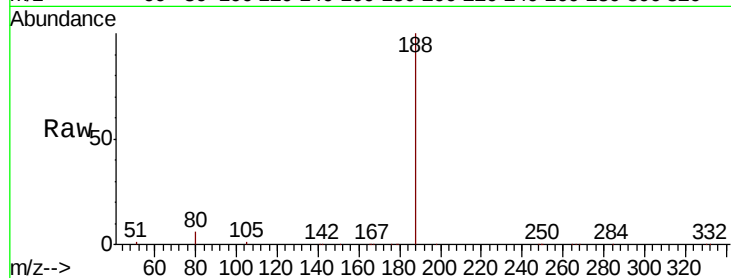
Tot Ion:188 Resp: 36274

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

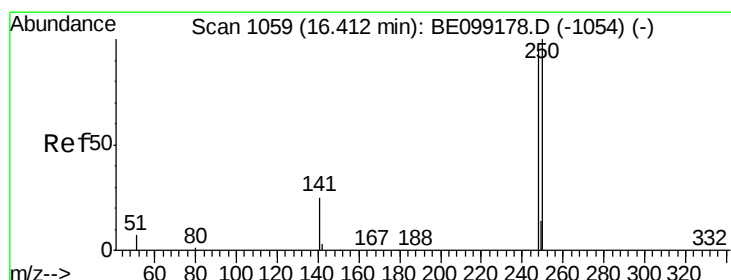
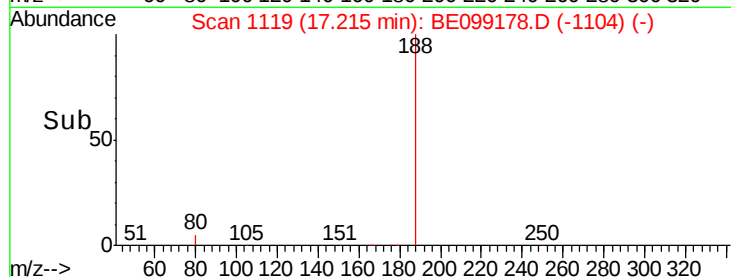
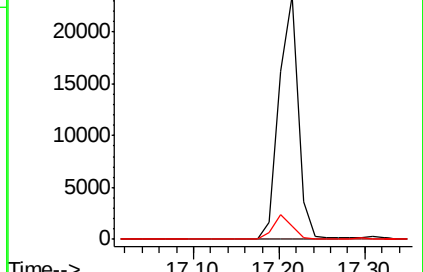
80 5.6 4.5 6.7



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: 0.392 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

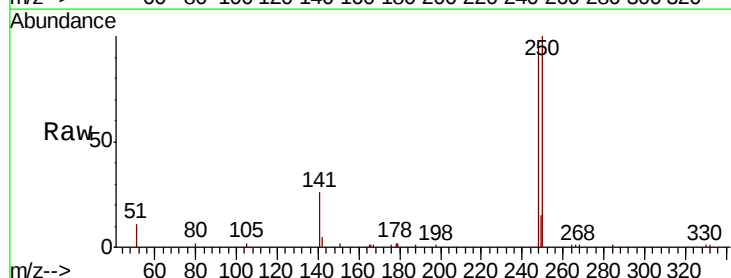
Tgt Ion:248 Resp: 7870

Ion Ratio Lower Upper

248 100

250 105.2 84.2 126.2

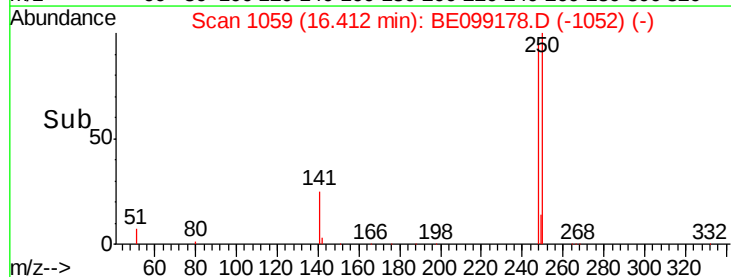
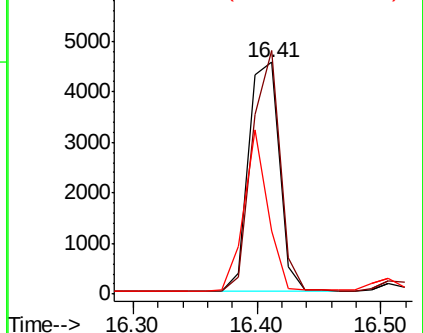
141 27.2 21.8 32.6

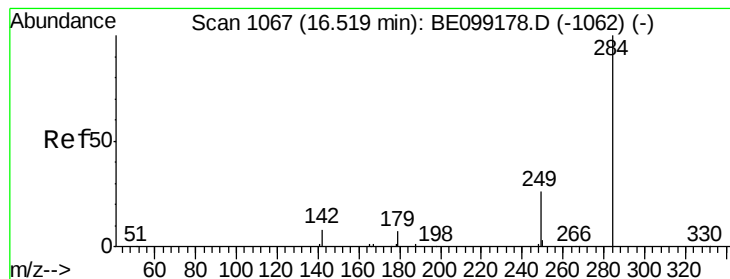


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.409 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

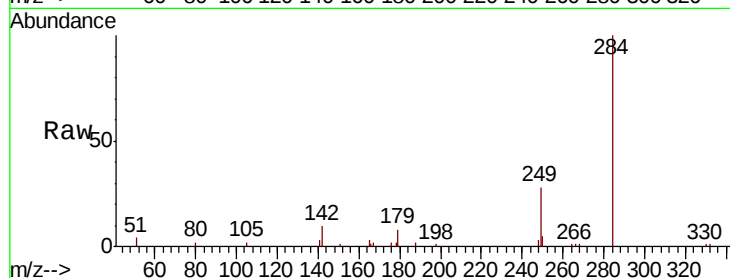
Tot Ion:284 Resp: 7619

Ion Ratio Lower Upper

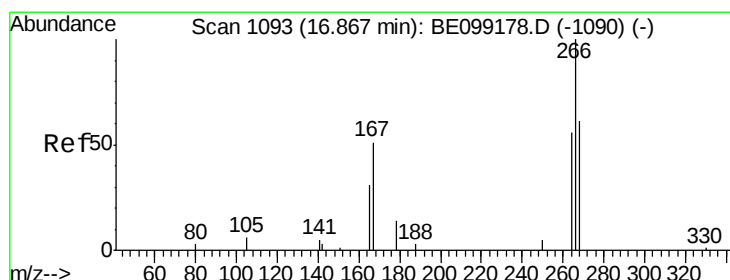
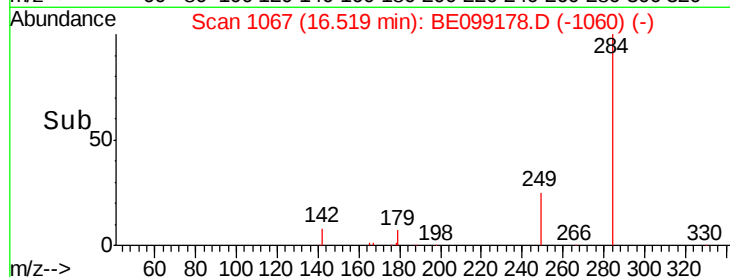
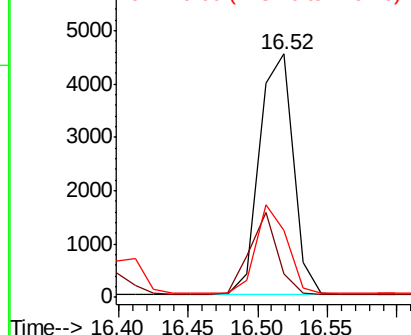
284 100

142 28.4 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: 0.308 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

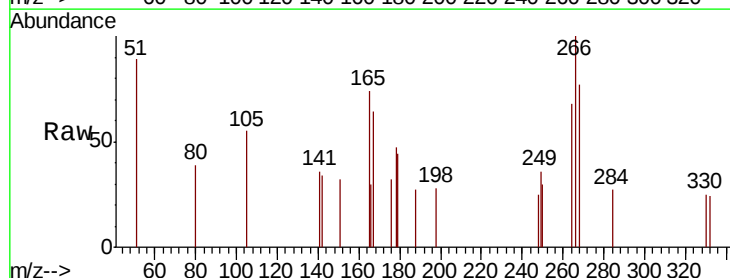
Tgt Ion:266 Resp: 431

Ion Ratio Lower Upper

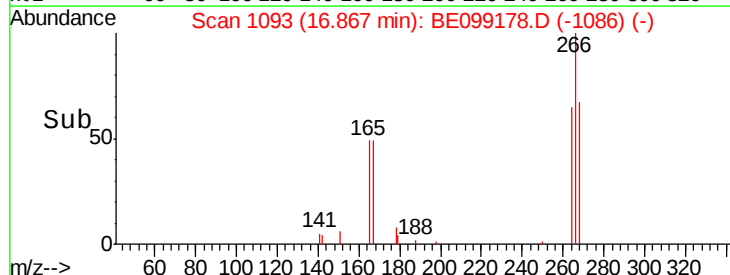
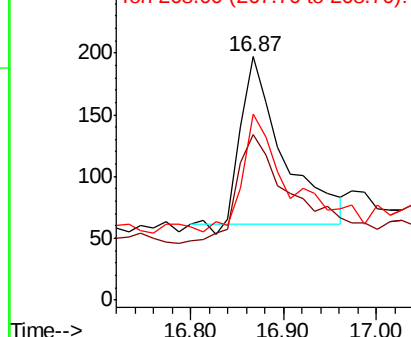
266 100

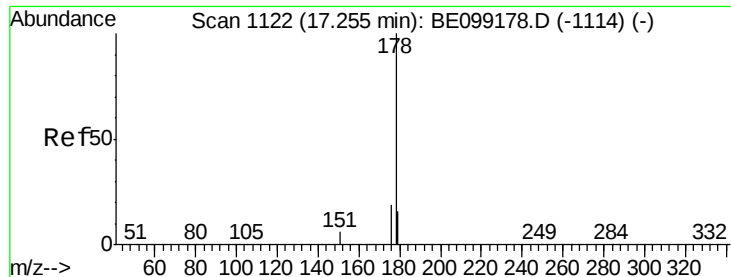
264 68.0 54.4 81.6

268 76.6 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

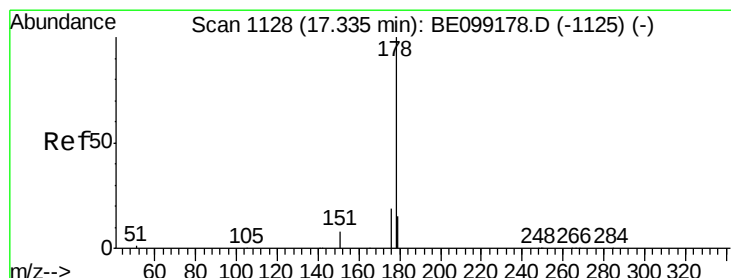
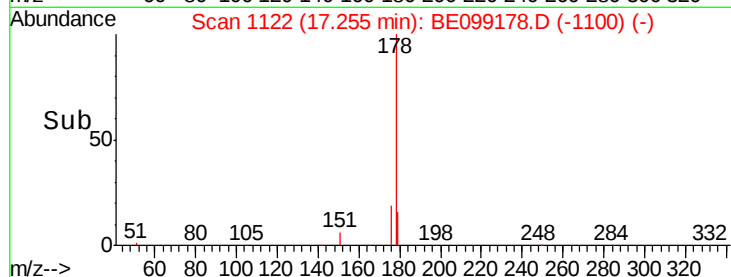
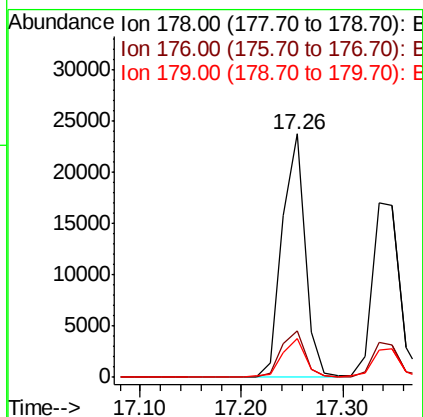
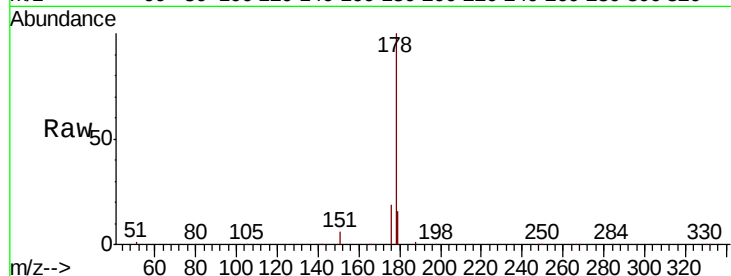




#23
Phenanthrene
Concen: 0.339 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

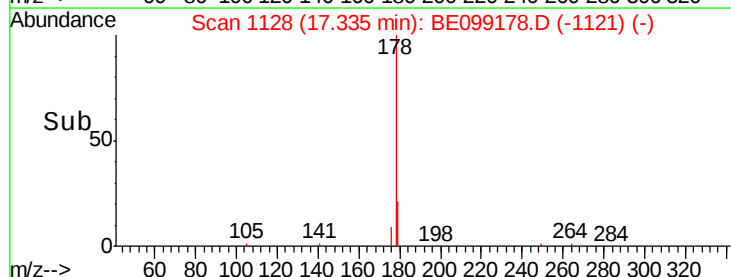
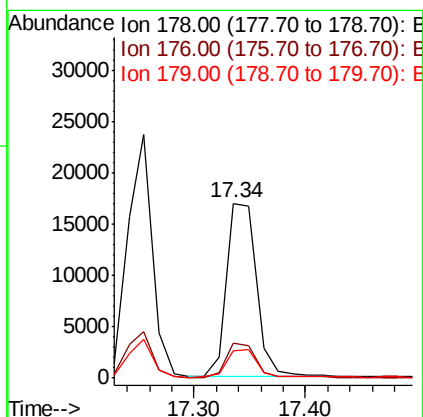
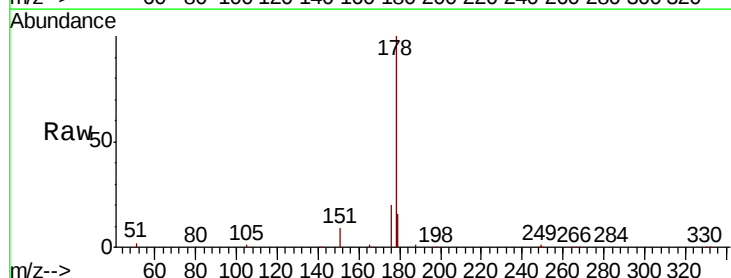
Instrument :
BNA_E
ClientSampleId :

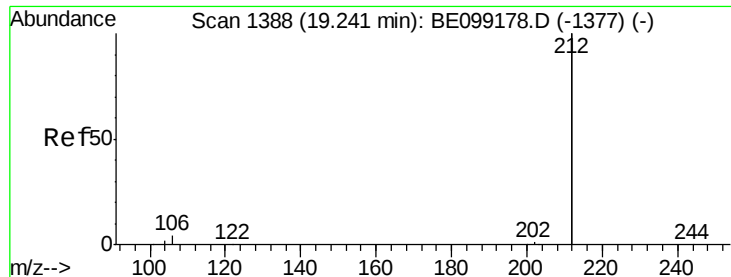
Tot Ion:178 Resp: 36489
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.4 12.3 18.5



#24
Anthracene
Concen: 0.308 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:178 Resp: 31402
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.4 18.6

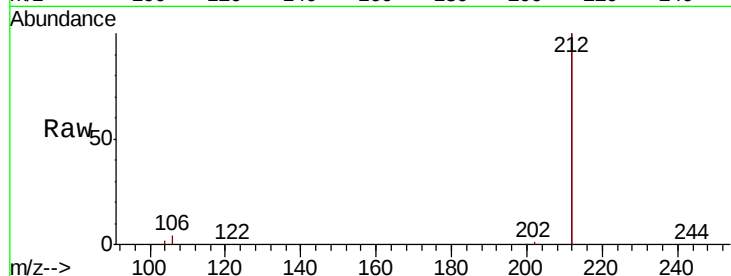




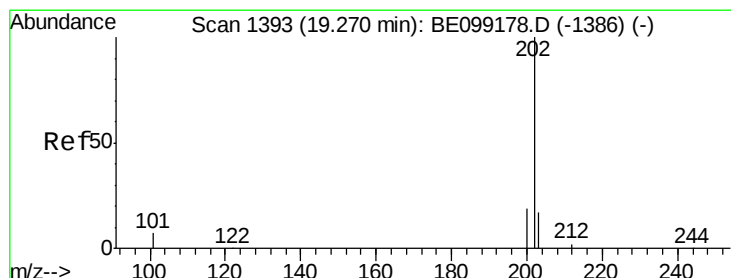
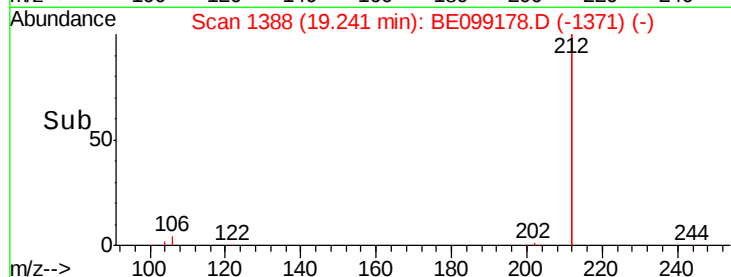
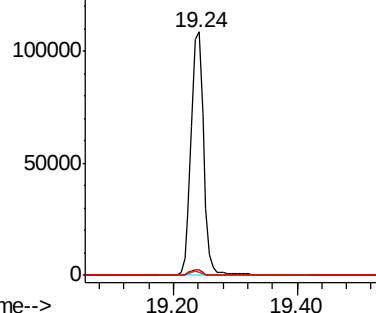
#25
 Fluoranthene-d10
 Concen: 0.313 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: BE099178.D
 Acq: 25 Mar 2019 11:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 151391
 Ion Ratio Lower Upper
 212 100
 106 2.3 1.8 2.8
 104 1.4 1.1 1.7

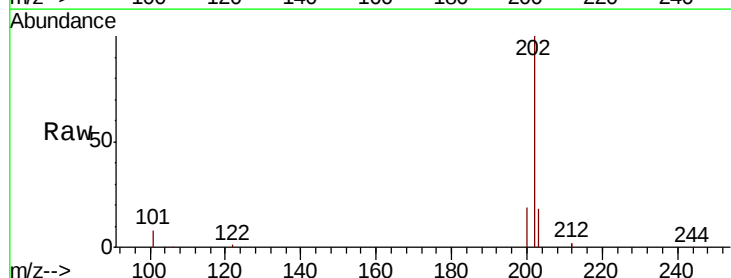


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

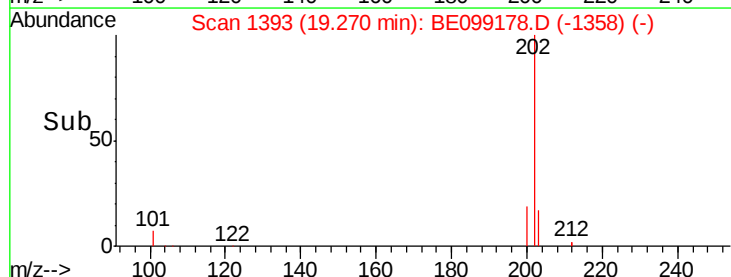
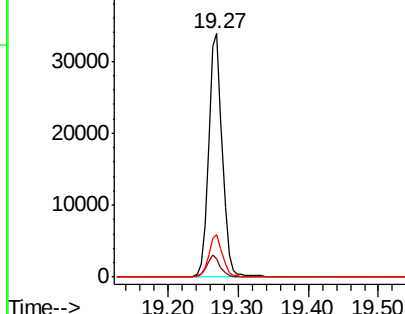


#26
 Fluoranthene
 Concen: 0.298 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BE099178.D
 Acq: 25 Mar 2019 11:52

Tgt Ion:202 Resp: 45134
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.0 10.4
 203 17.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

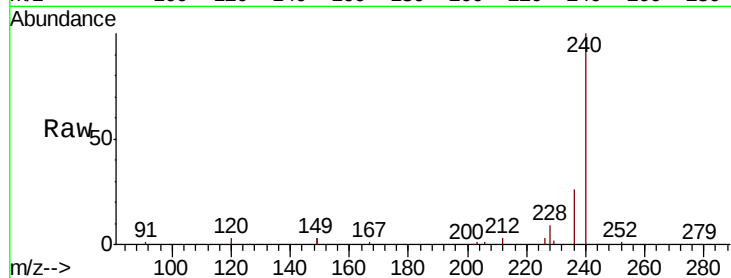
Tot Ion:240 Resp: 39682

Ion Ratio Lower Upper

240 100

120 3.2 2.6 3.8

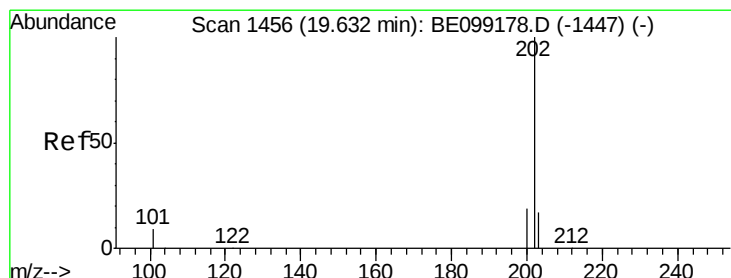
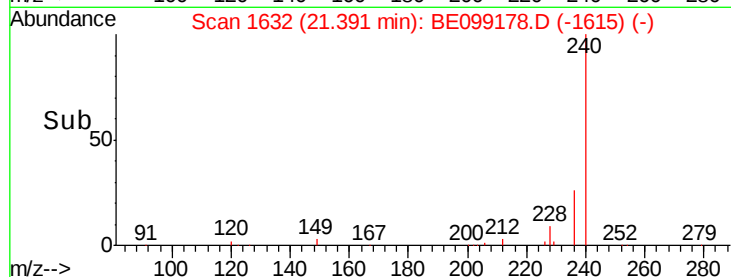
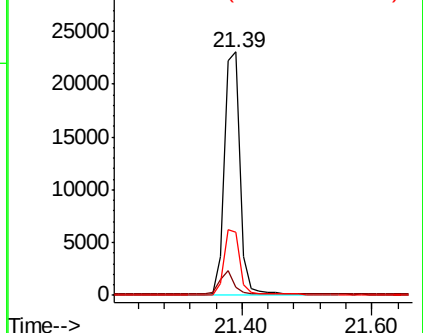
236 26.1 20.9 31.3



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: 0.339 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

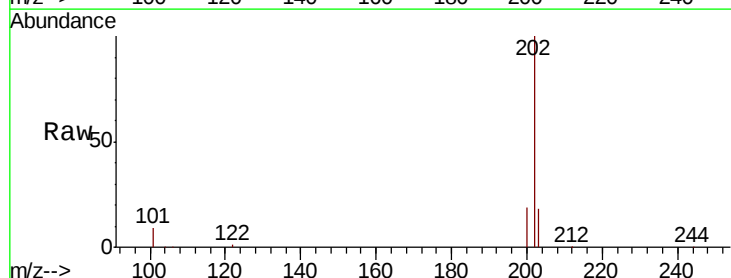
Tgt Ion:202 Resp: 45658

Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.8

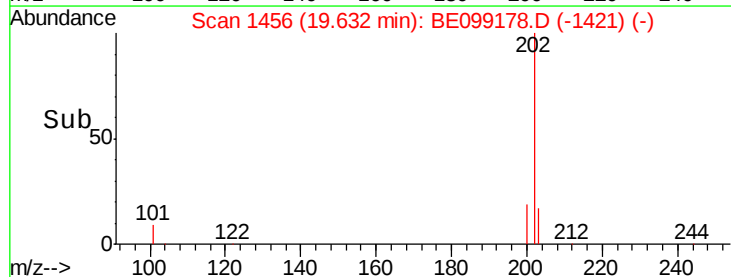
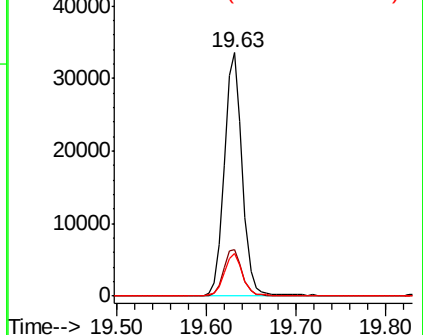
203 17.6 14.1 21.1

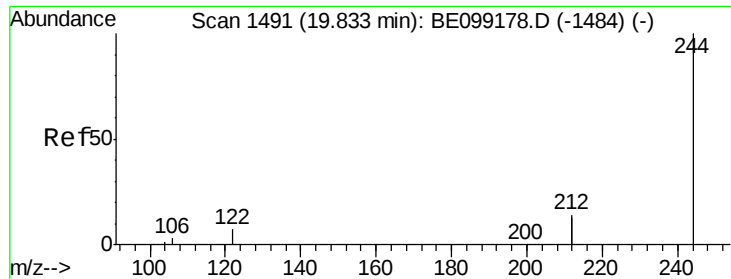


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

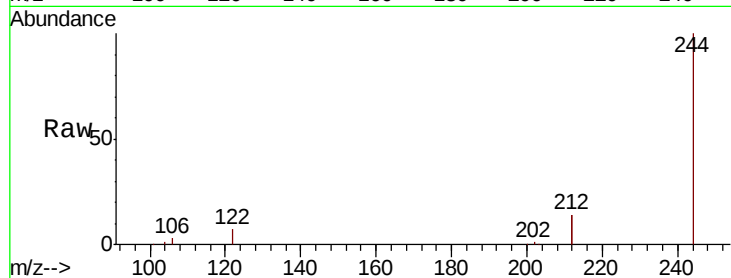
Tot Ion:244 Resp: 31135

Ion Ratio Lower Upper

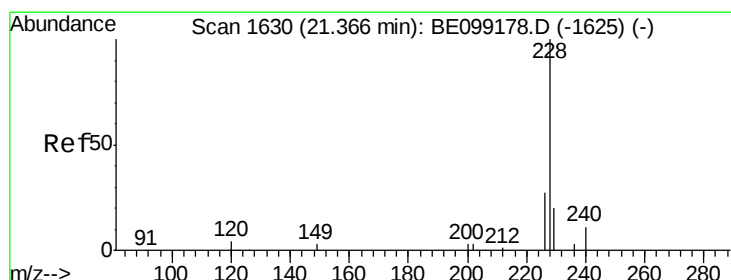
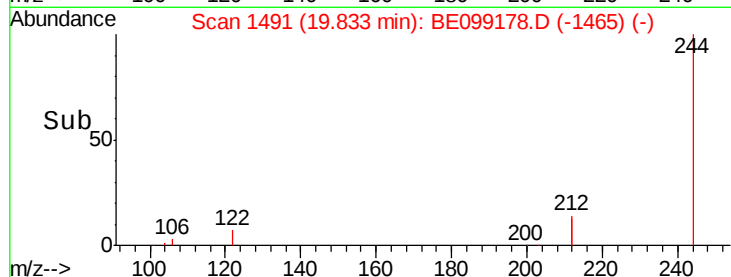
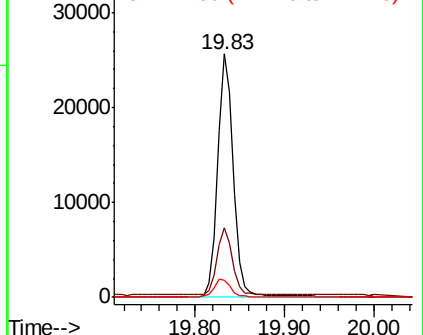
244 100

212 28.4 22.7 34.1

122 7.2 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: 0.313 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

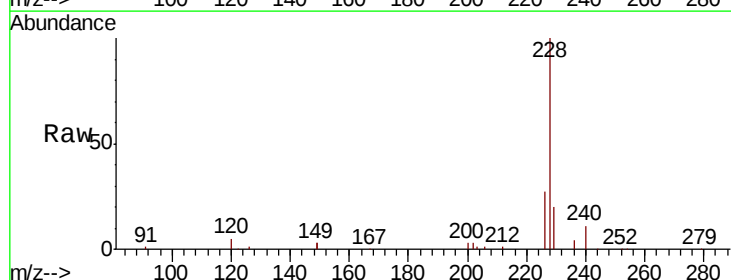
Tgt Ion:228 Resp: 43779

Ion Ratio Lower Upper

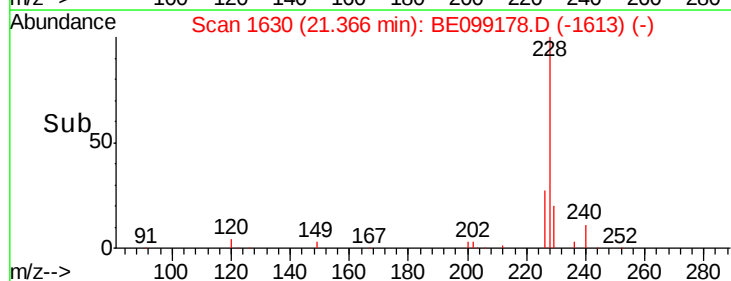
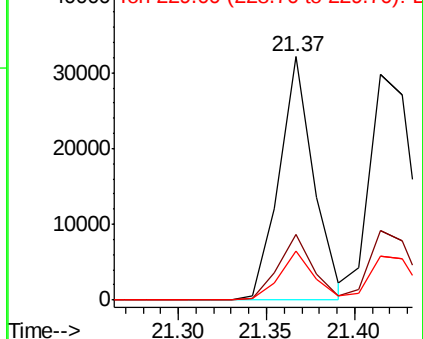
228 100

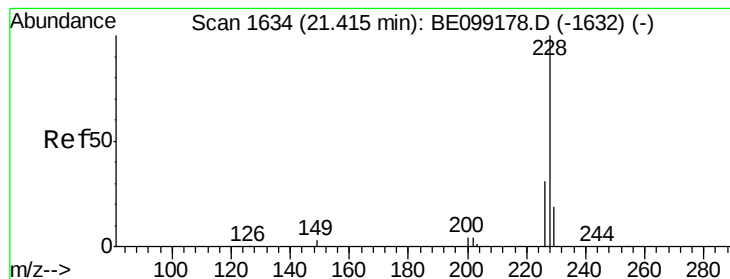
226 27.1 21.7 32.5

229 19.9 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: 0.346 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

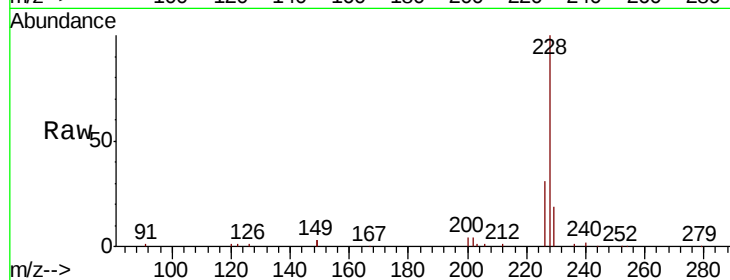
Tot Ion:228 Resp: 48326

Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

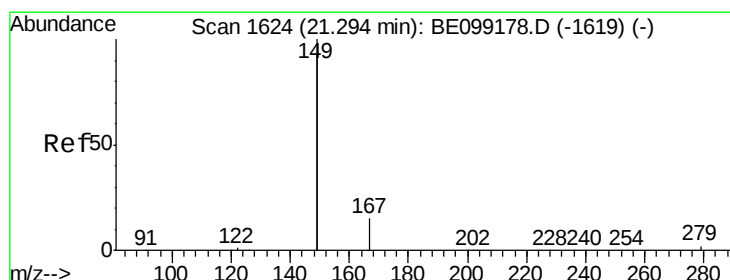
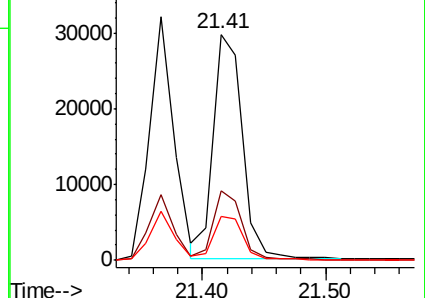
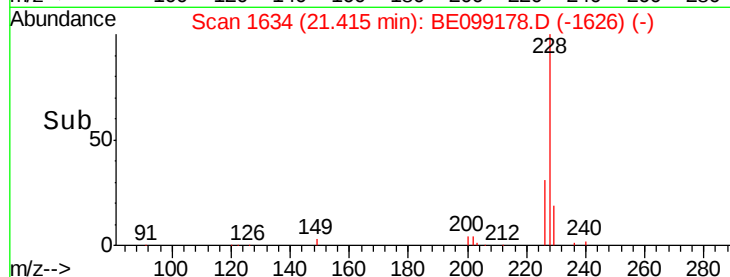
229 19.2 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.243 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

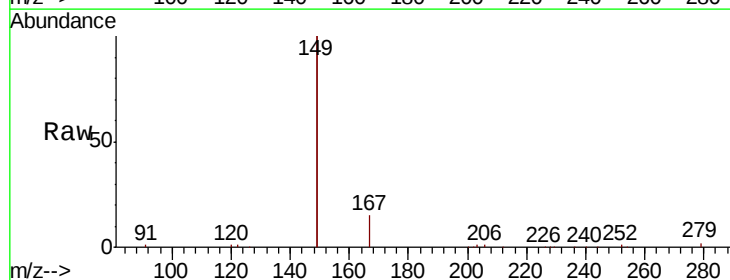
Tgt Ion:149 Resp: 43999

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

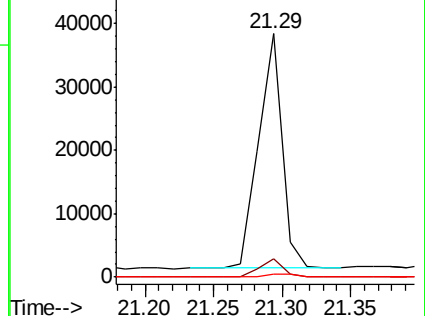
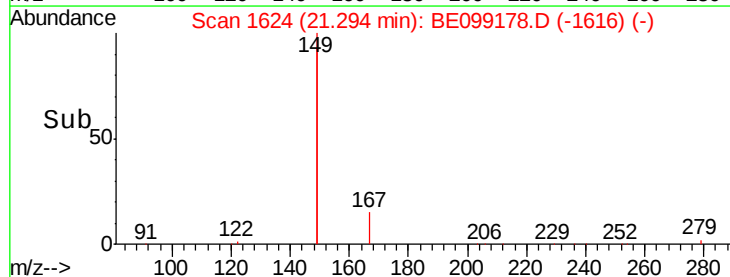
279 1.3 1.0 1.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

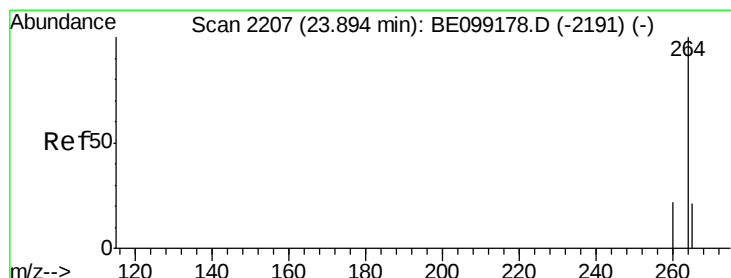
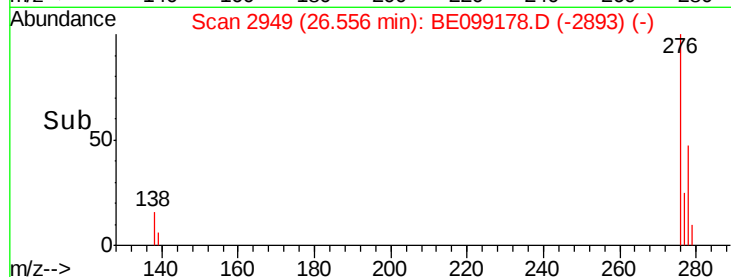
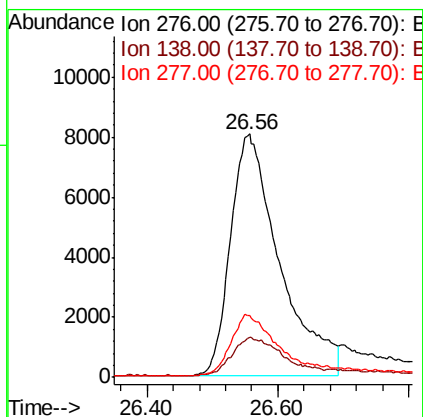
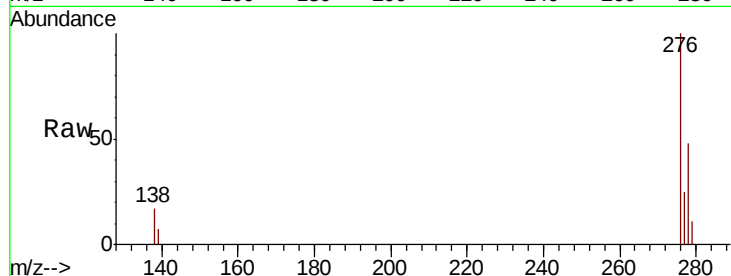




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.281 ng
RT: 26.56 min Scan# 2949
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

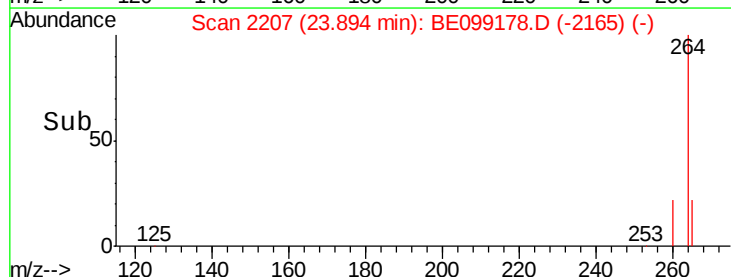
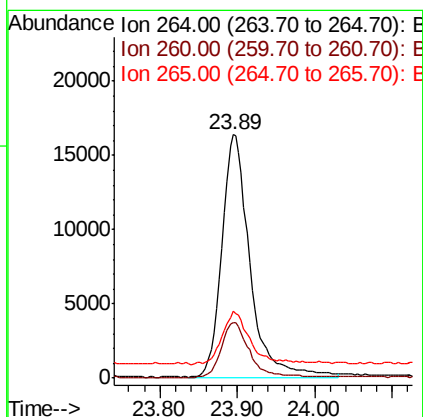
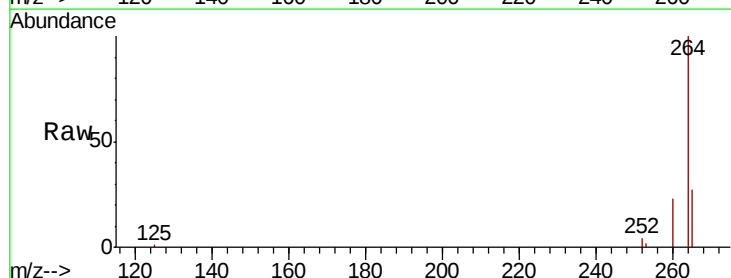
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 42159
Ion Ratio Lower Upper
276 100
138 16.1 12.9 19.3
277 22.9 18.3 27.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:264 Resp: 41026
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.2
265 27.3 21.8 32.8

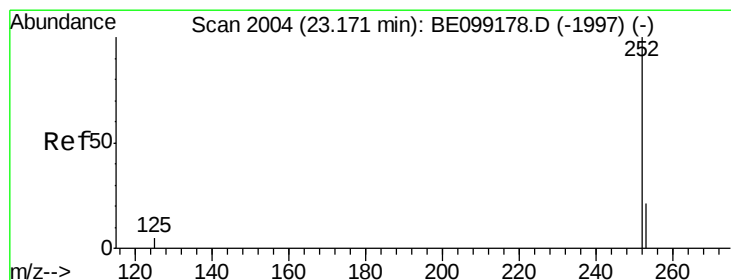
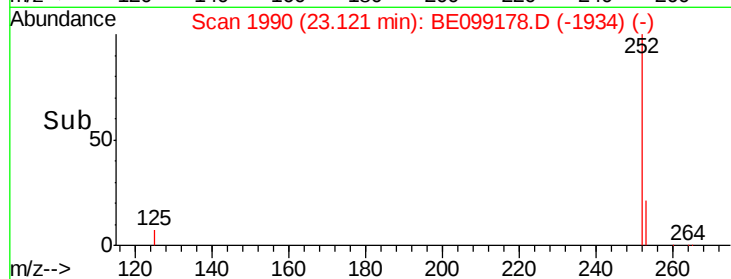
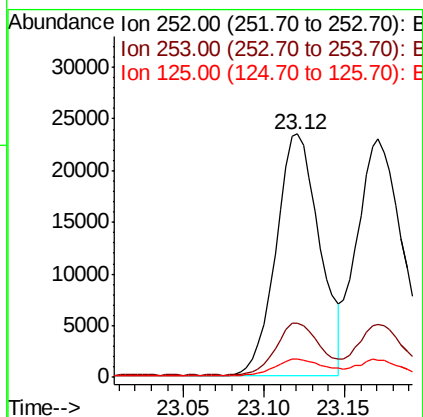
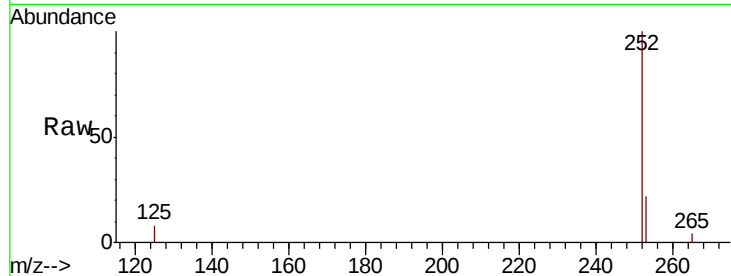




#35
Benzo(b)fluoranthene
Concen: 0.312 ng
RT: 23.12 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

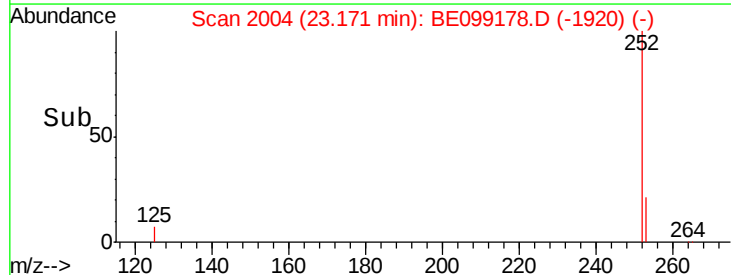
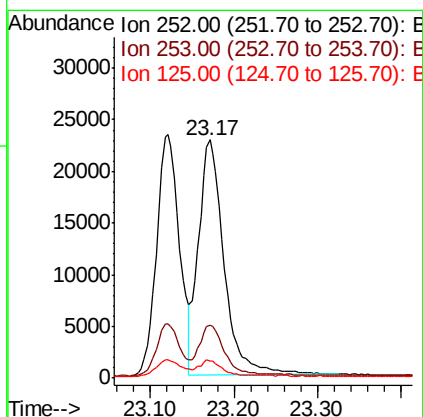
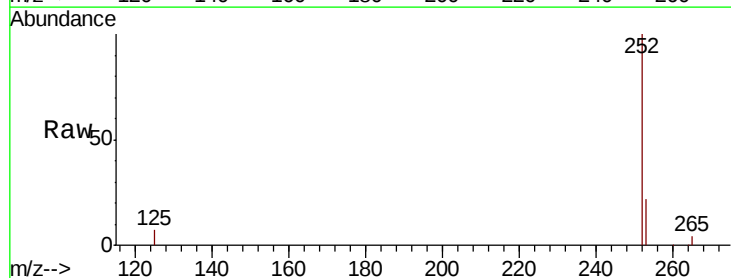
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 44324
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 7.6 6.1 9.1



#36
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 23.17 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BE099178.D
Acq: 25 Mar 2019 11:52

Tgt Ion:252 Resp: 48526
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 7.4 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.316 ng

RT: 23.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :

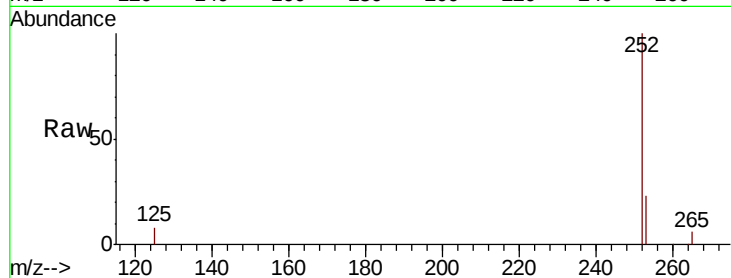
Tot Ion:252 Resp: 41511

Ion Ratio Lower Upper

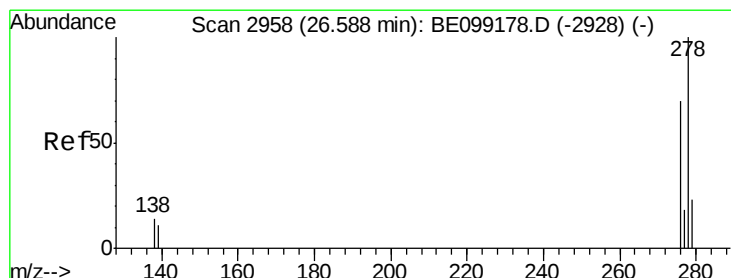
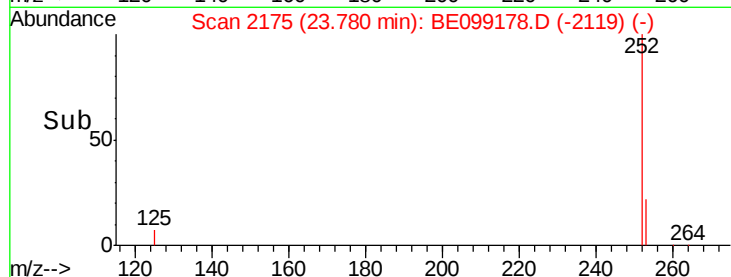
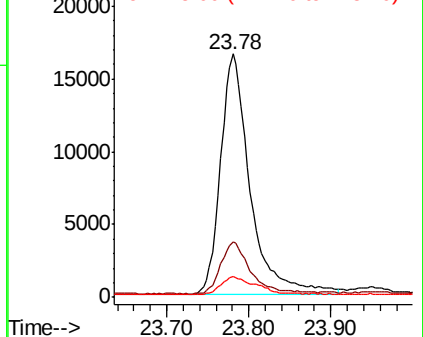
252 100

253 22.6 18.1 27.1

125 8.5 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: 0.272 ng

RT: 26.59 min Scan# 2958

Delta R.T. 0.00 min

Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

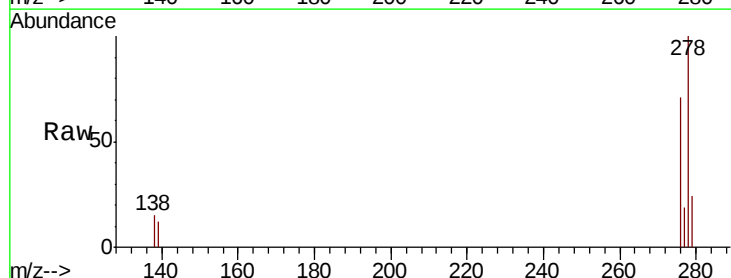
Tgt Ion:278 Resp: 34667

Ion Ratio Lower Upper

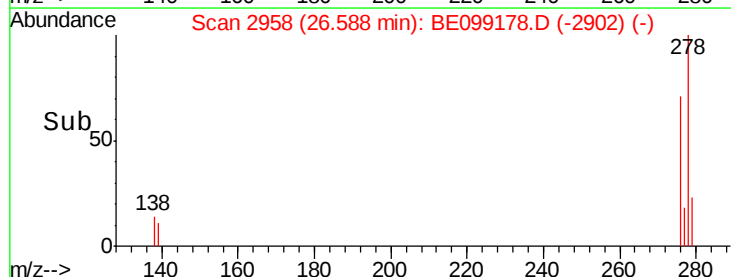
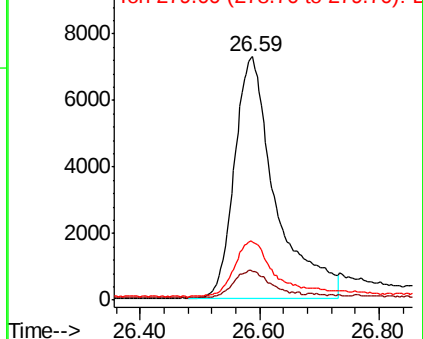
278 100

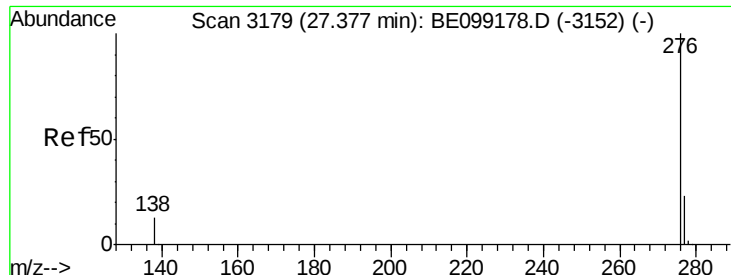
139 11.9 9.5 14.3

279 23.9 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: 0.272 ng

RT: 27.38 min Scan# 3179

Delta R.T. 0.00 min

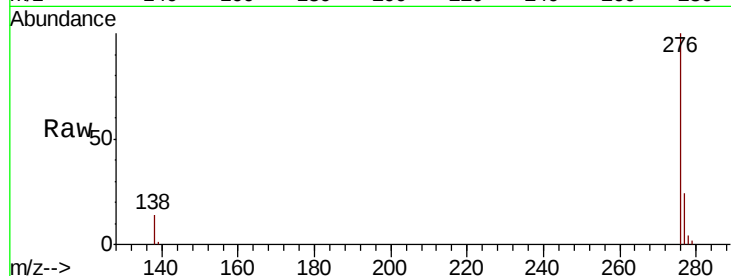
Lab File: BE099178.D

Acq: 25 Mar 2019 11:52

Instrument :

BNA_E

ClientSampleId :



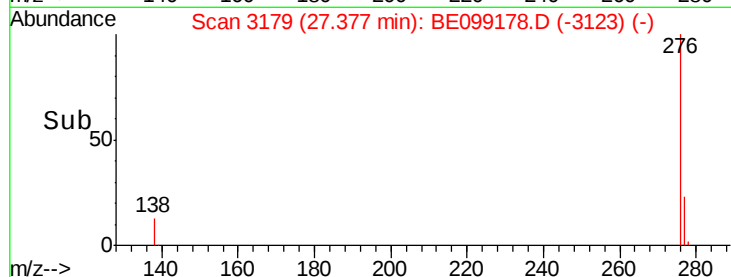
Tot Ion:276 Resp: 35648

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 13.9 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

