

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099715.D
 Acq On : 22 May 2019 12:08
 Operator : JU/SJ
 Sample : PB119960BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119960BS

Quant Time: May 23 07:57:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1654	0.40	ng	0.01
7) Naphthalene-d8	10.63	136	5723	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	3850	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	11708	0.40	ng	0.01
27) Chrysene-d12	21.43	240	16176	0.40	ng	0.01
34) Perylene-d12	23.97	264	18109	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1809	0.43	ng	0.01
5) Phenol-d6	6.99	99	2295	0.41	ng	0.01
8) Nitrobenzene-d5	8.99	82	2077	0.42	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	5288	0.54	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	857	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	5962	0.41	ng	0.01
25) Fluoranthene-d10	19.27	212	62946	0.39	ng	0.00
29) Terphenyl-d14	19.87	244	13399	0.46	ng	0.00

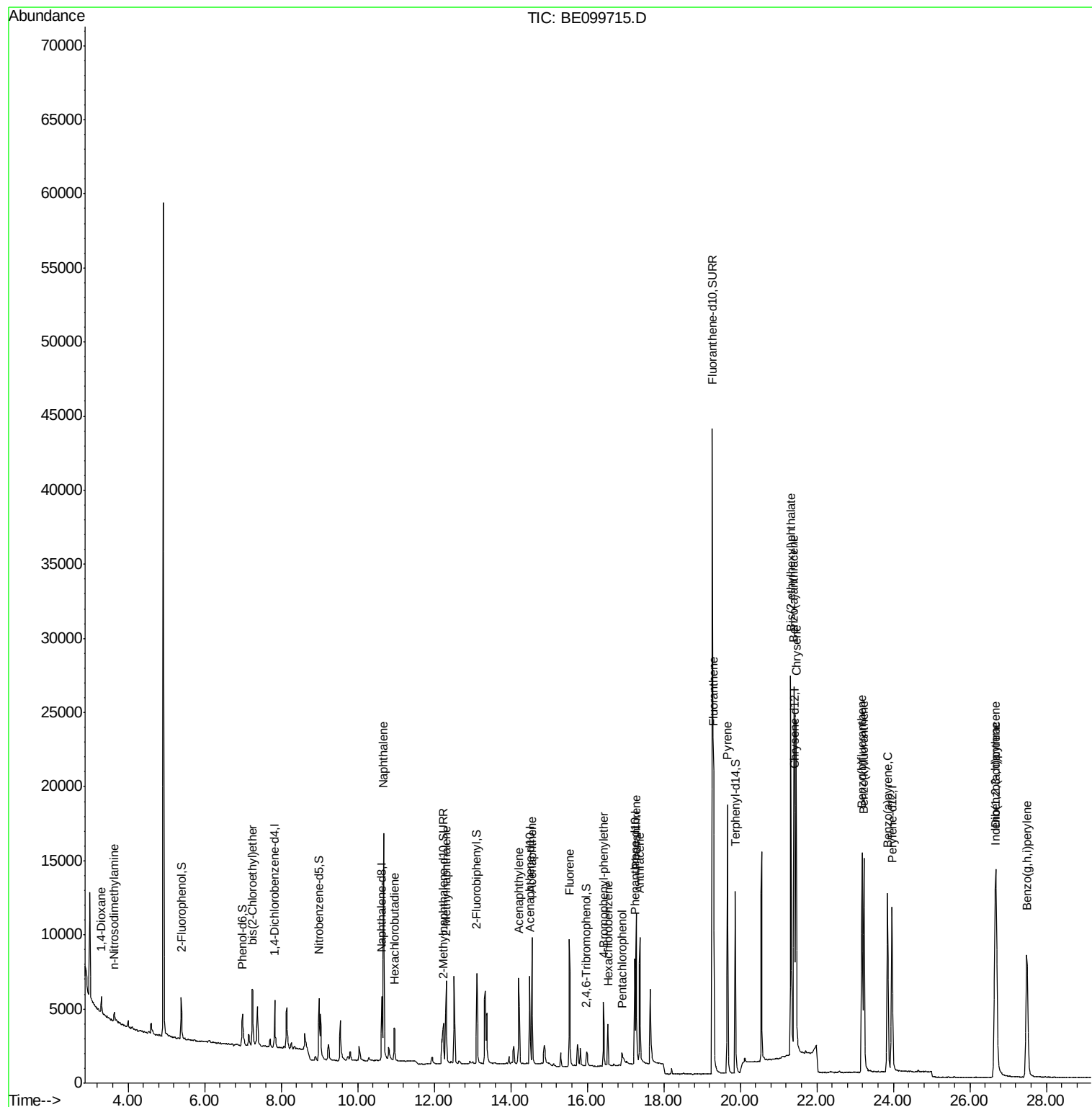
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	741	0.303	ng	# 42
3) n-Nitrosodimethylamine	3.62	42	502	0.371	ng	# 84
6) bis(2-Chloroethyl)ether	7.25	93	1927	0.392	ng	95
9) Naphthalene	10.68	128	25176	0.411	ng	100
10) Hexachlorobutadiene	10.96	225	1833	0.407	ng	97
12) 2-Methylnaphthalene	12.31	142	4252	0.426	ng	97
16) Acenaphthylene	14.21	152	7279	0.406	ng	99
17) Acenaphthene	14.56	154	4167	0.414	ng	99
18) Fluorene	15.53	166	5925	0.399	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2632	0.390	ng	# 87
21) Hexachlorobenzene	16.55	284	2860	0.414	ng	98
22) Pentachlorophenol	16.91	266	1431	0.817	ng	91
23) Phenanthrene	17.28	178	11736	0.410	ng	100
24) Anthracene	17.38	178	11002	0.424	ng	100
26) Fluoranthene	19.30	202	18328	0.405	ng	100
28) Pyrene	19.66	202	18794	0.462	ng	99
30) Benzo(a)anthracene	21.40	228	23213	0.505	ng	99
31) Chrysene	21.46	228	21670	0.441	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	26889	0.508	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	26280	0.443	ng	# 93
35) Benzo(b)fluoranthene	23.18	252	21540	0.434	ng	99
36) Benzo(k)fluoranthene	23.23	252	23253	0.450	ng	99
37) Benzo(a)pyrene	23.85	252	21656	0.454	ng	97
38) Dibenzo(a,h)anthracene	26.69	278	21916	0.437	ng	99
39) Benzo(g,h,i)perylene	27.49	276	22443	0.443	ng	99

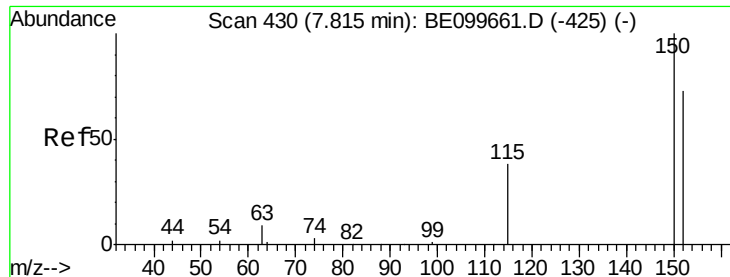
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

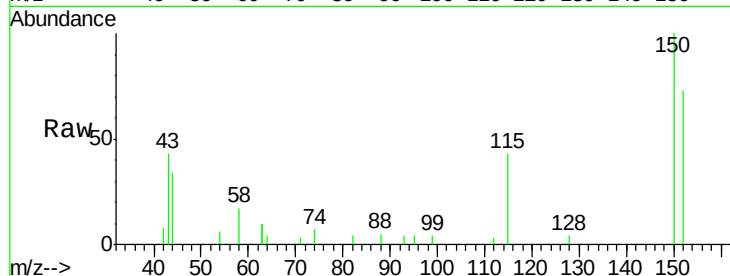
Tgt Ion:152 Resp: 1654

Ion Ratio Lower Upper

152 100

150 136.9 109.2 163.8

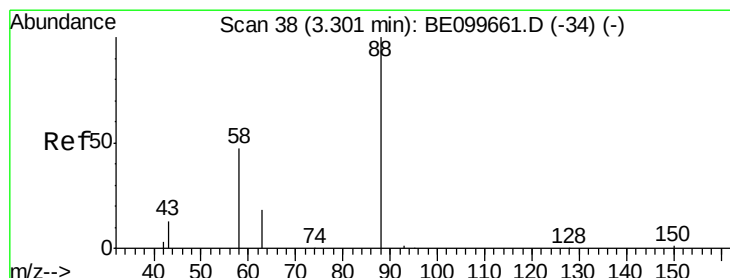
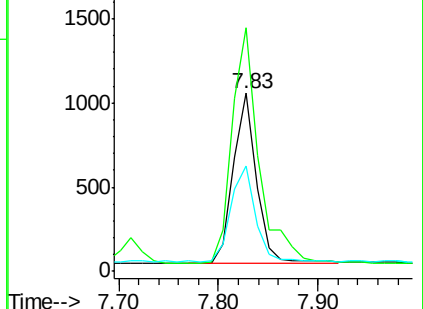
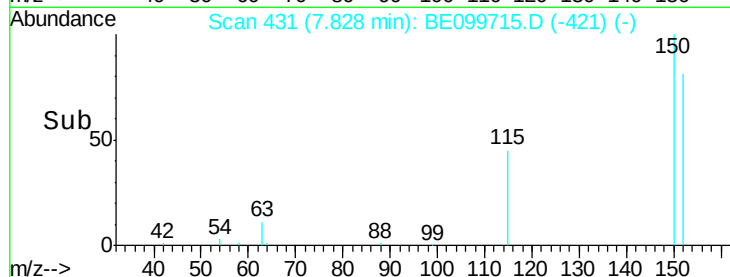
115 59.5 43.7 65.5



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: 0.303 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

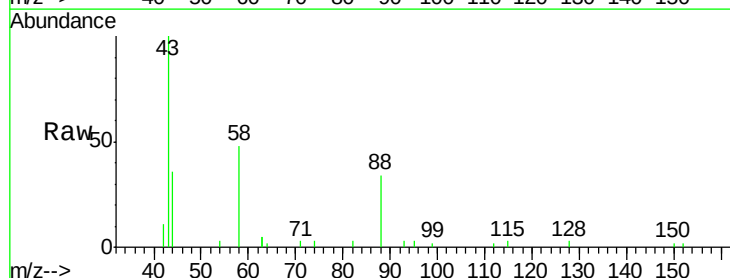
Tgt Ion: 88 Resp: 741

Ion Ratio Lower Upper

88 100

58 77.1 41.8 62.8#

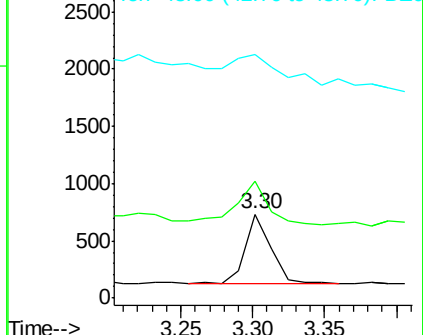
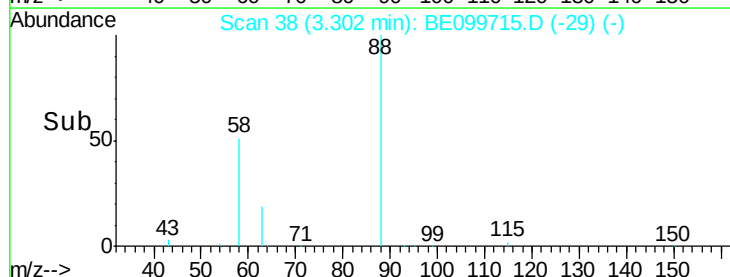
43 73.5 15.0 22.4#

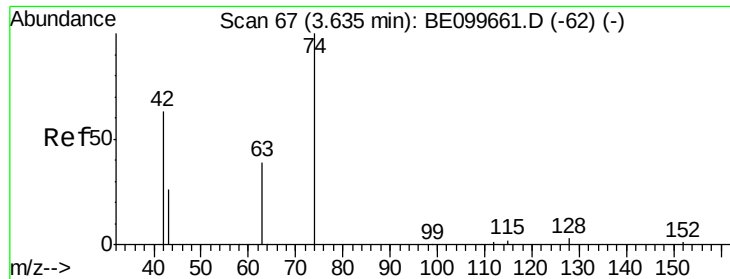


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.371 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

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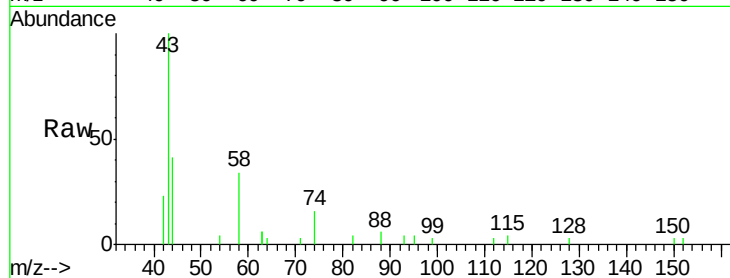
Tgt Ion: 42 Resp: 502

Ion Ratio Lower Upper

42 100

74 182.9 129.2 193.8

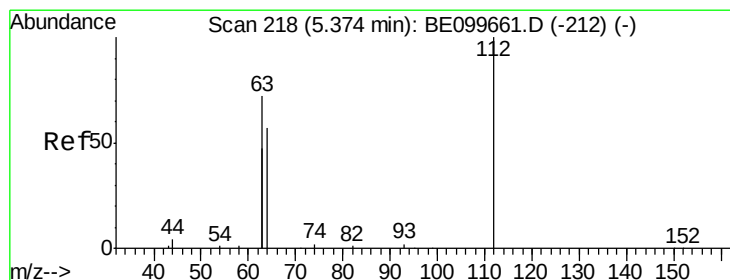
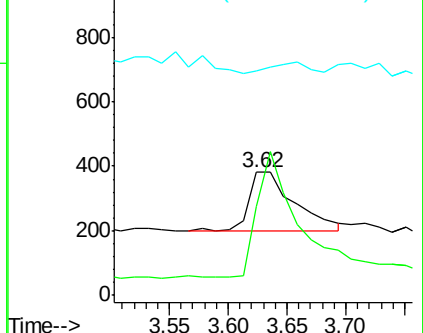
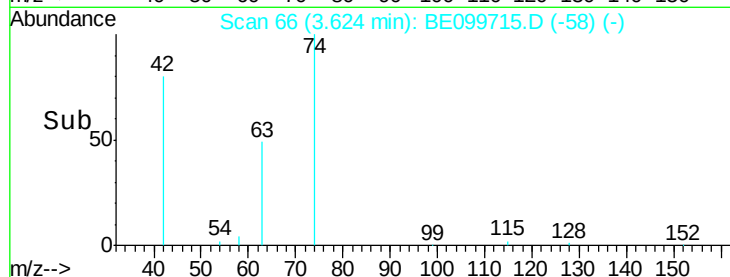
44 0.0 0.0 0.0



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: 0.433 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

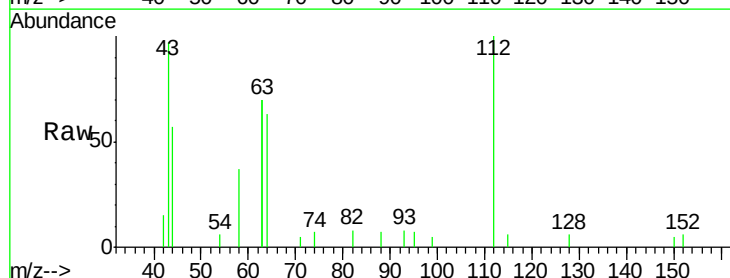
Tgt Ion: 112 Resp: 1809

Ion Ratio Lower Upper

112 100

64 54.6 43.4 65.2

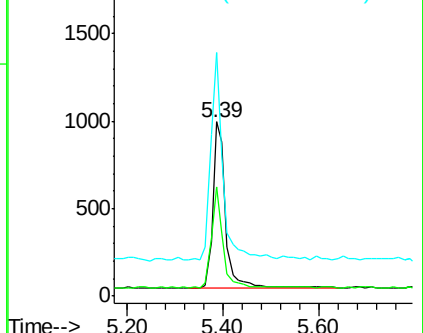
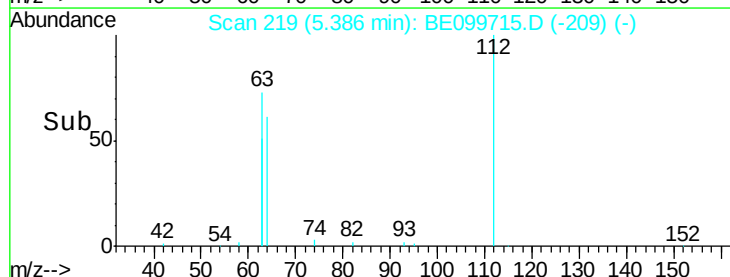
63 115.6 96.9 145.3

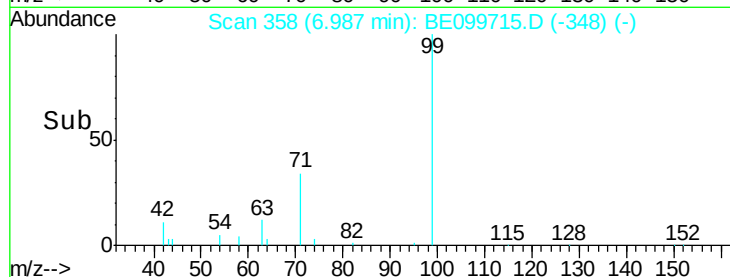
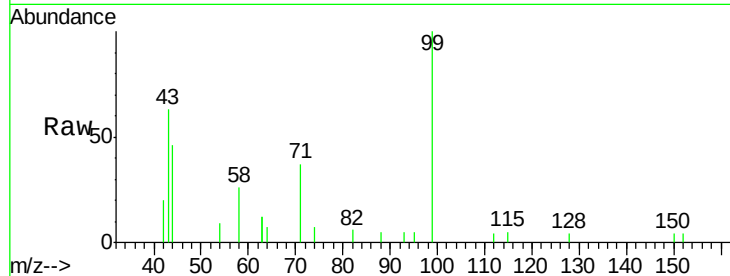
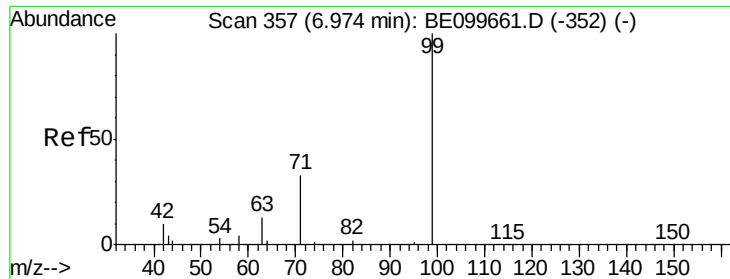


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.415 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

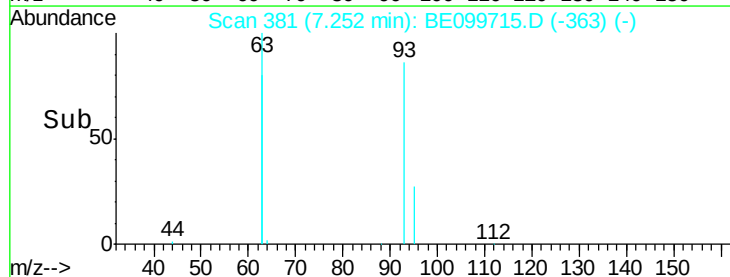
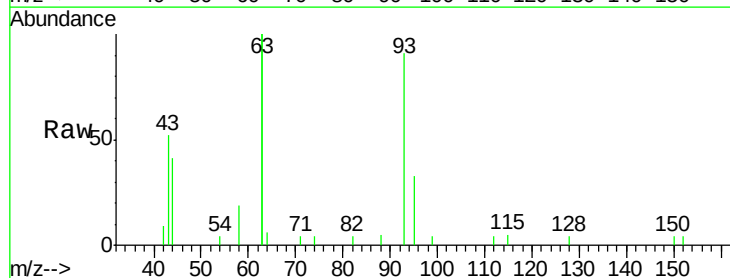
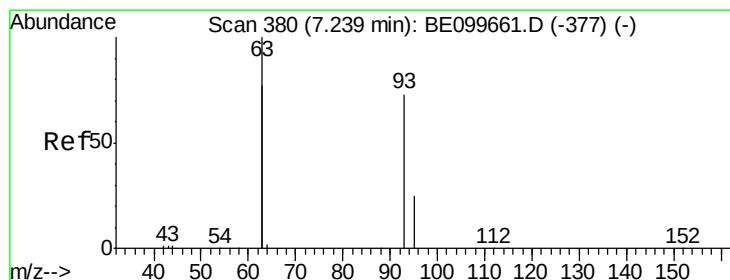
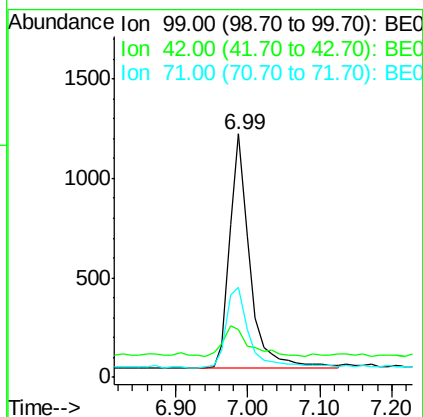
Tgt Ion: 99 Resp: 2295

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

71 39.0 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.392 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

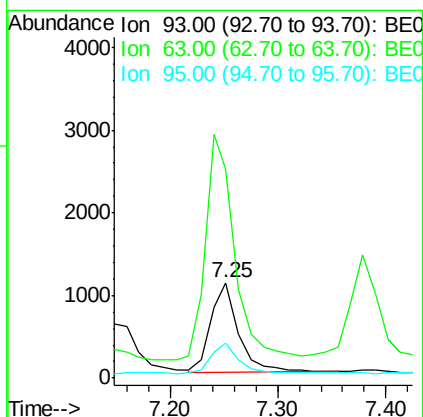
Tgt Ion: 93 Resp: 1927

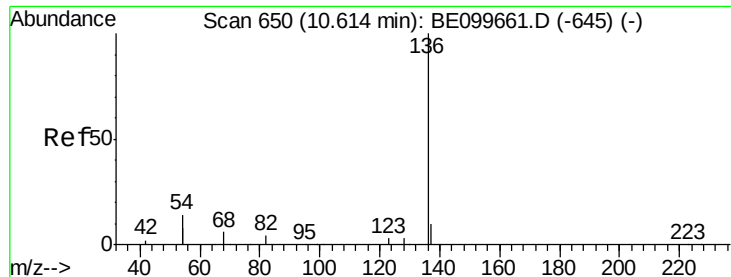
Ion Ratio Lower Upper

93 100

63 268.7 207.8 311.6

95 33.9 25.9 38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

Tgt Ion: 136 Resp: 5723

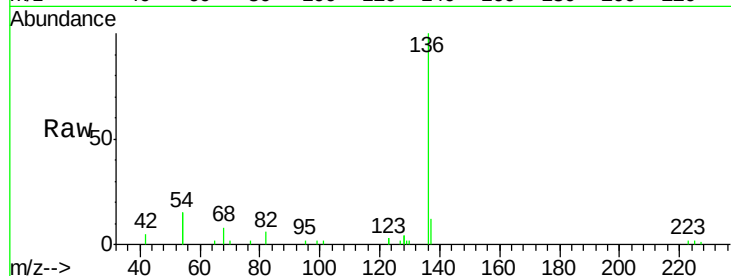
Ion Ratio Lower Upper

136 100

137 12.1 9.0 13.6

54 29.1 22.3 33.5

68 7.9 6.0 9.0

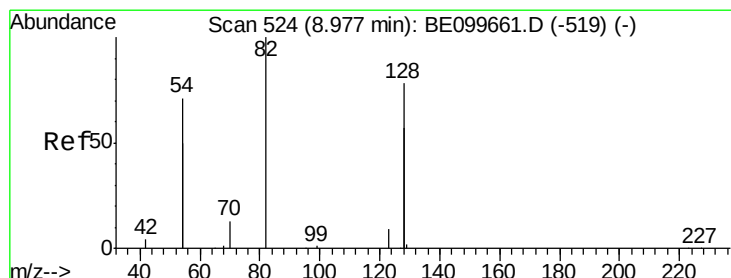
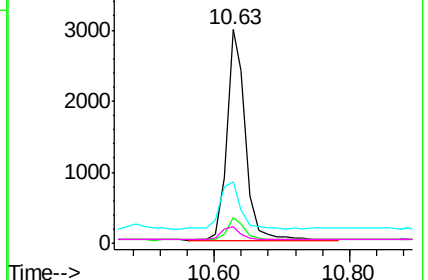
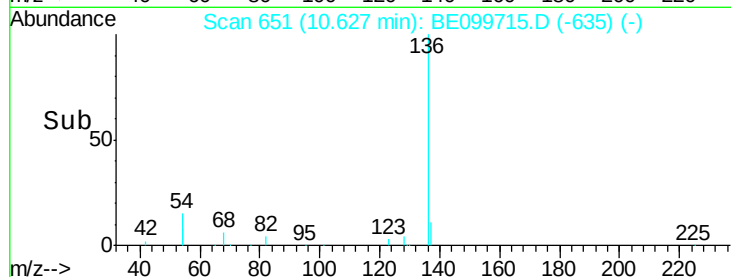


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.419 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

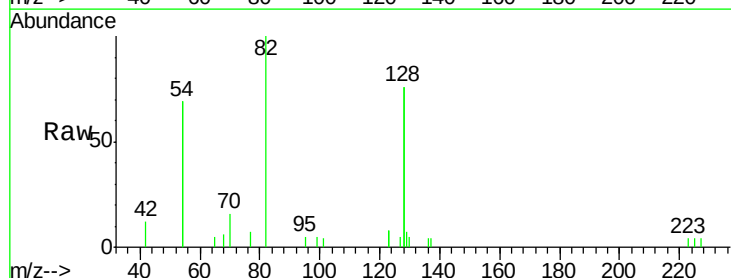
Tgt Ion: 82 Resp: 2077

Ion Ratio Lower Upper

82 100

128 152.5 117.7 176.5

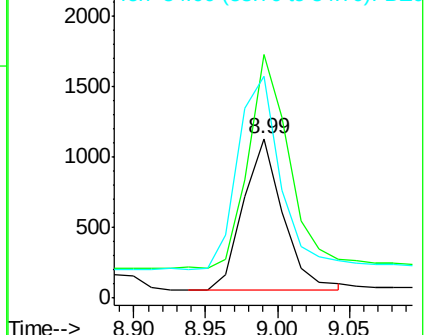
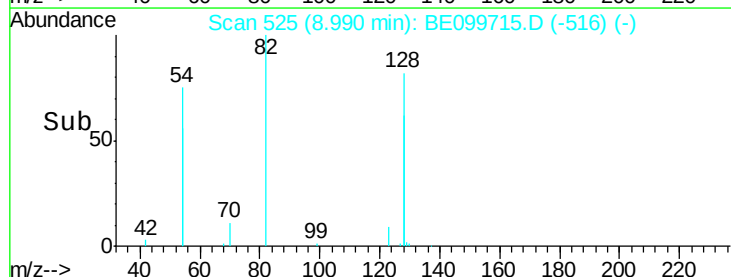
54 138.7 106.6 160.0

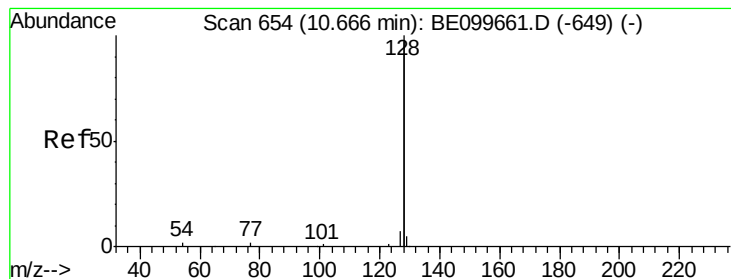


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099715.D

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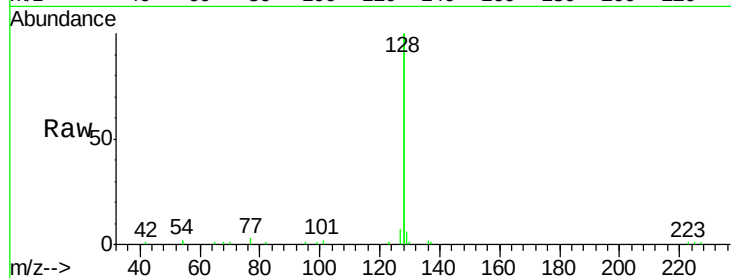
Tgt Ion:128 Resp: 25176

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

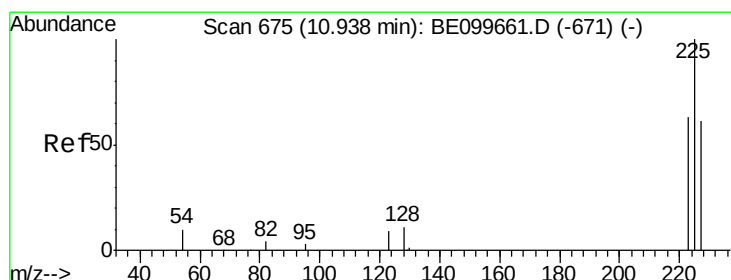
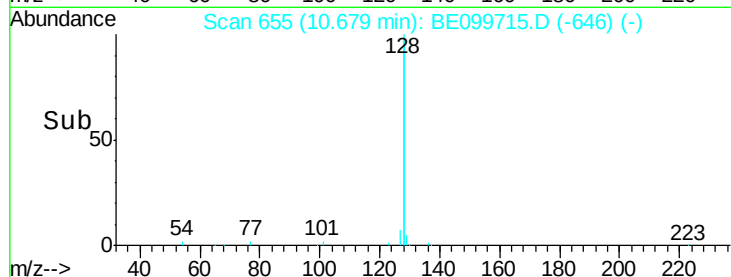
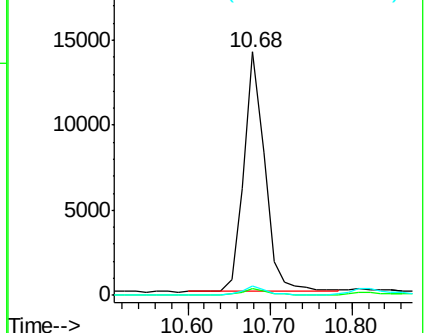
127 3.6 2.9 4.3



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: 0.407 ng

RT: 10.96 min Scan# 677

Delta R.T. 0.03 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

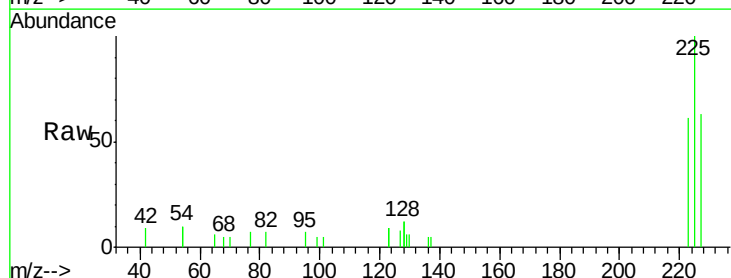
Tgt Ion:225 Resp: 1833

Ion Ratio Lower Upper

225 100

223 63.3 51.8 77.6

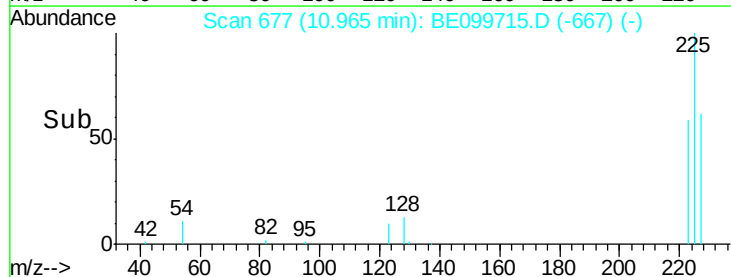
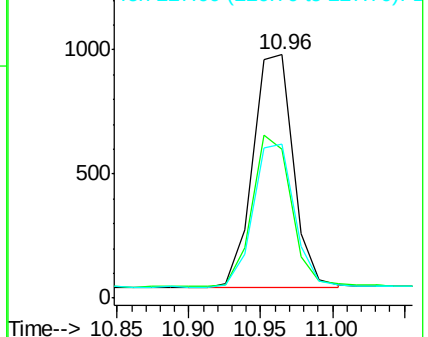
227 62.5 52.6 79.0

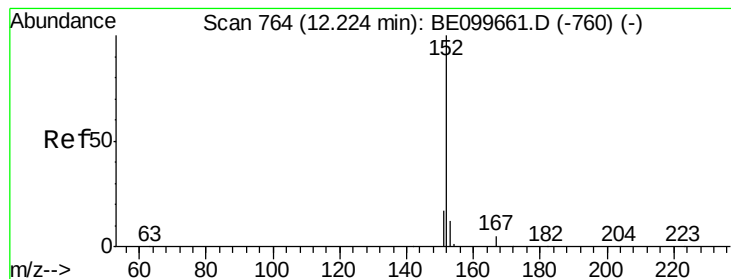


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.535 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

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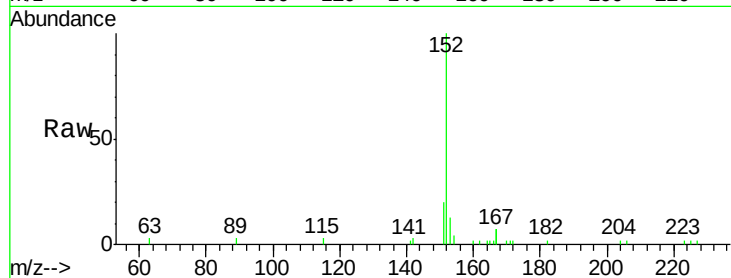
PB119960BS

Tgt Ion:152 Resp: 5288

Ion Ratio Lower Upper

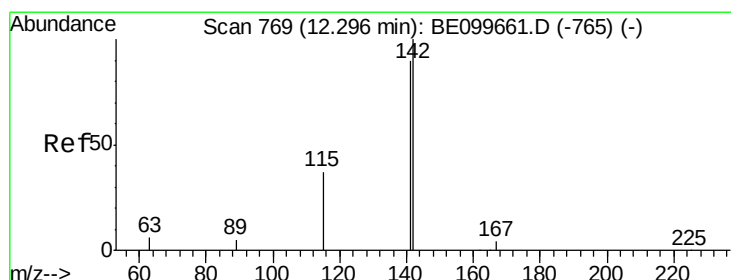
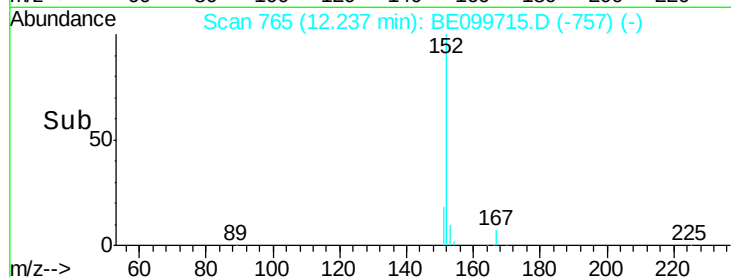
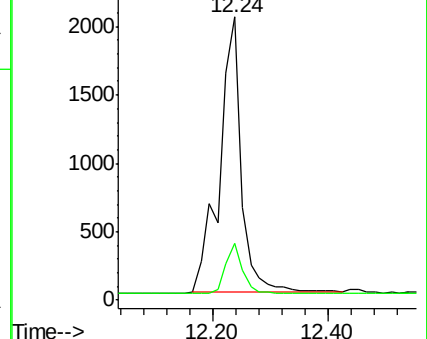
152 100

151 14.8 15.0 22.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.426 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

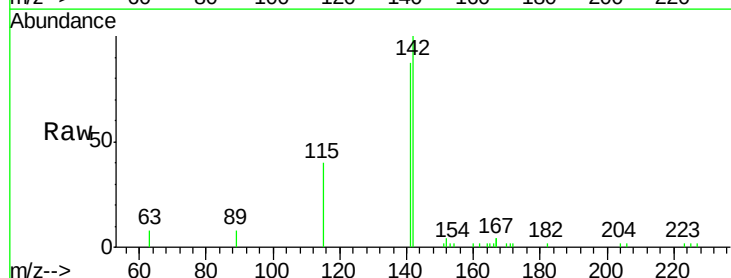
Tgt Ion:142 Resp: 4252

Ion Ratio Lower Upper

142 100

141 87.0 72.0 108.0

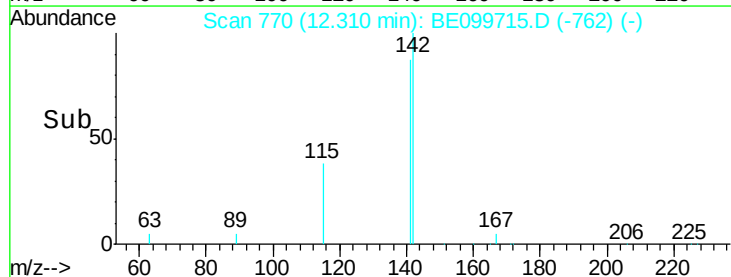
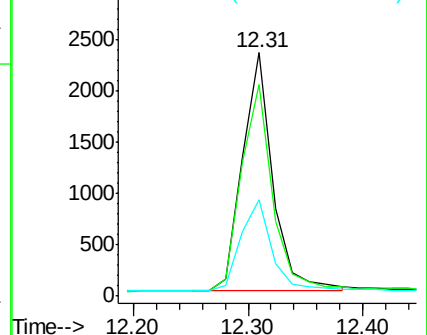
115 39.6 31.0 46.4

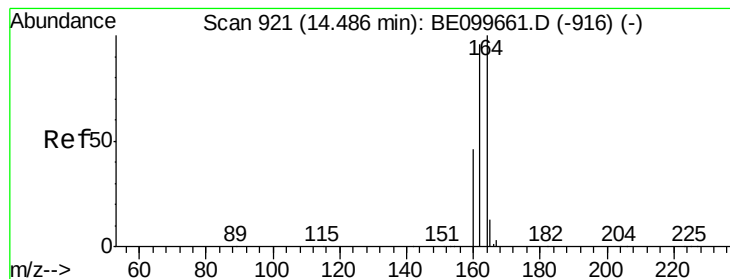


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

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ClientSampleId :

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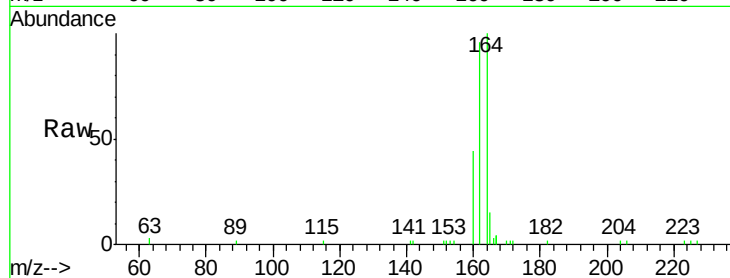
Tgt Ion:164 Resp: 3850

Ion Ratio Lower Upper

164 100

162 96.4 76.5 114.7

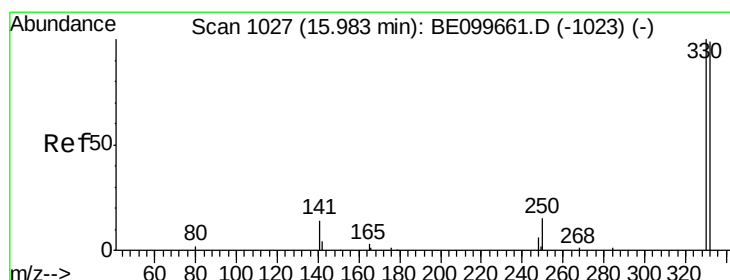
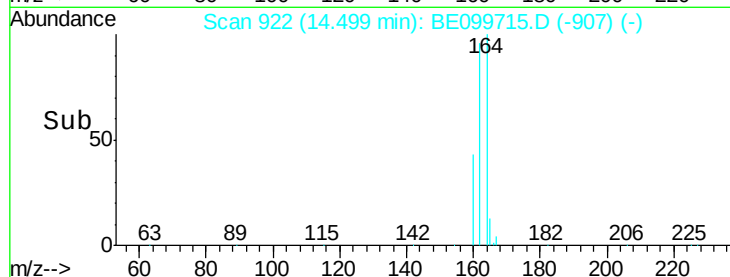
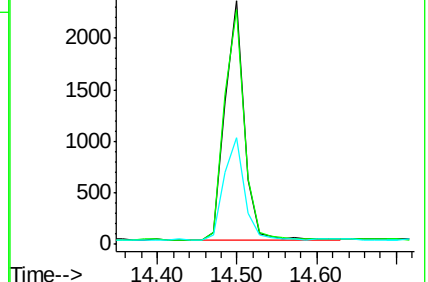
160 44.0 37.4 56.2



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: 0.423 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

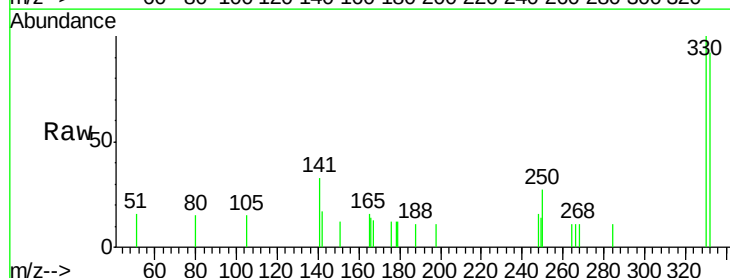
Tgt Ion:330 Resp: 857

Ion Ratio Lower Upper

330 100

332 93.9 77.3 115.9

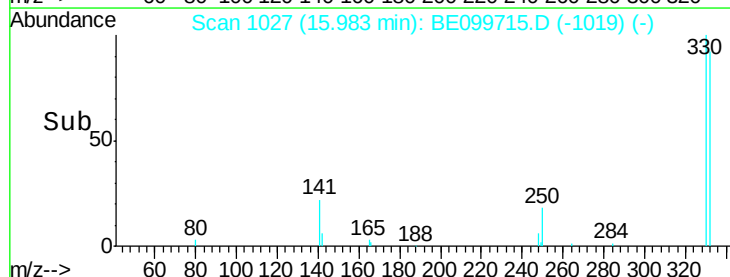
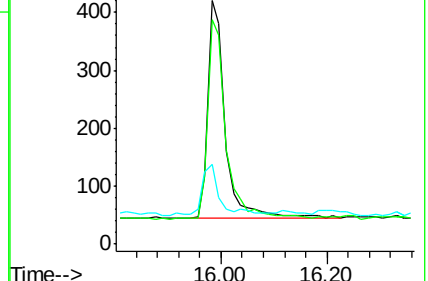
141 20.7 18.9 28.3

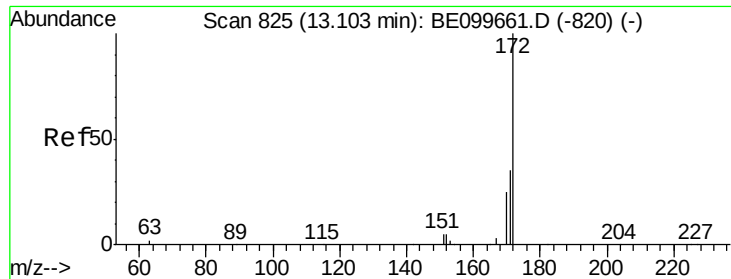


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

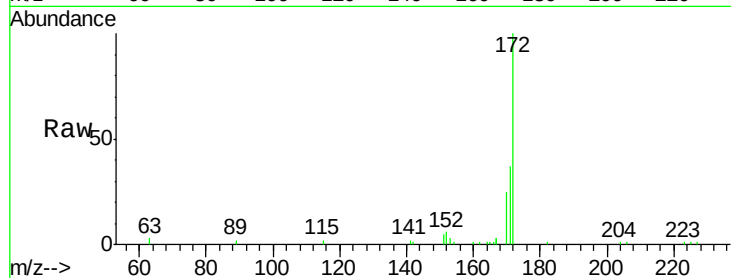




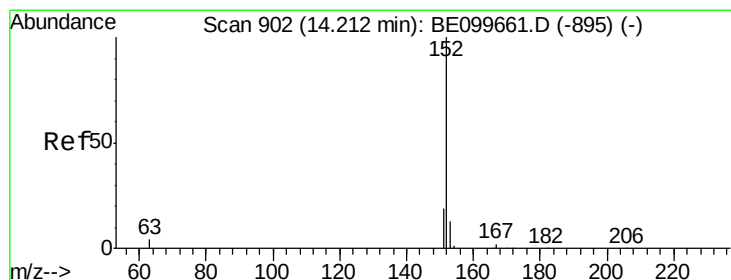
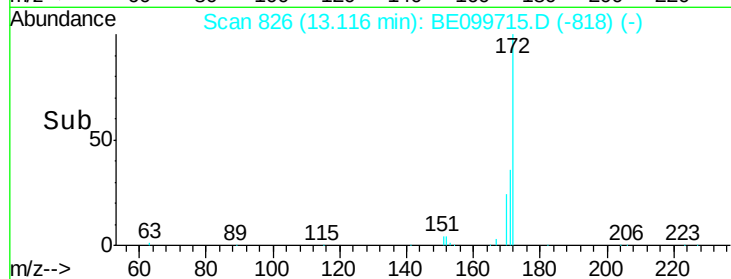
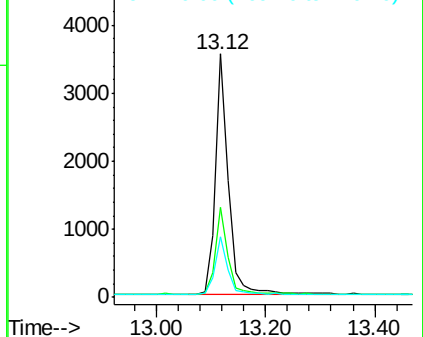
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Instrument :
BNA_E
ClientSampleId :
PB119960BS

Tgt Ion:172 Resp: 5962
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 25.1 20.9 31.3

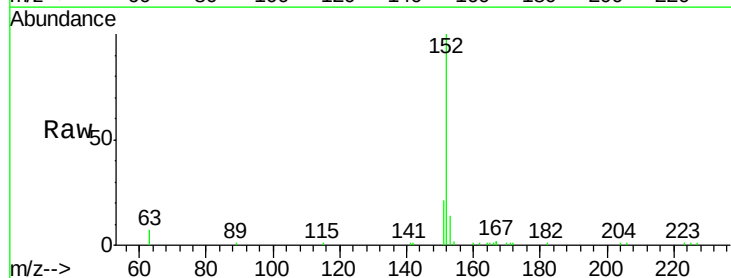


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

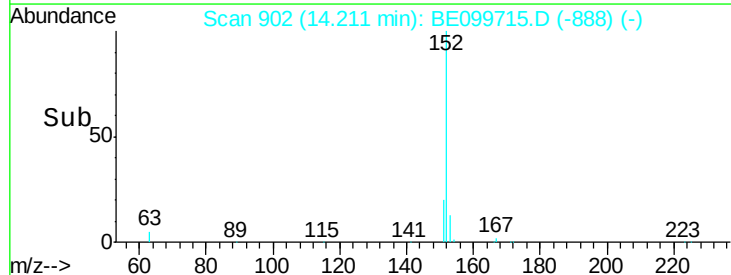
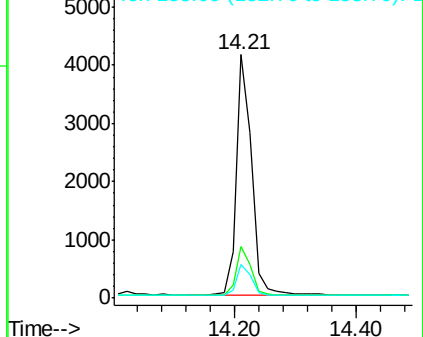


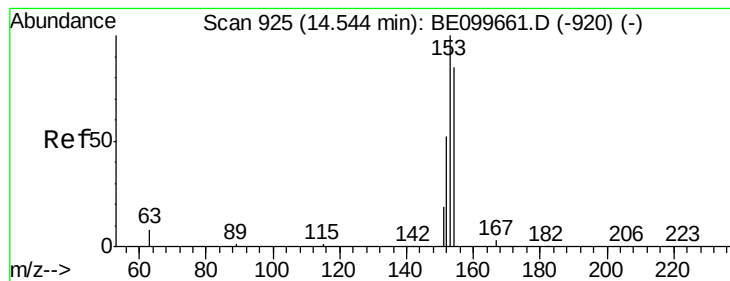
#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099715.D
Acq: 22 May 2019 12:08

Tgt Ion:152 Resp: 7279
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 12.6 10.6 16.0



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: 0.414 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

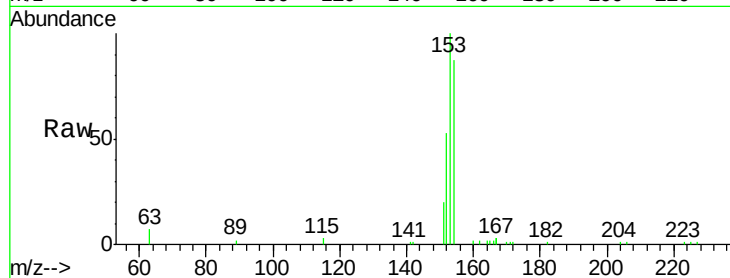
Tgt Ion:154 Resp: 4167

Ion Ratio Lower Upper

154 100

153 114.8 91.8 137.6

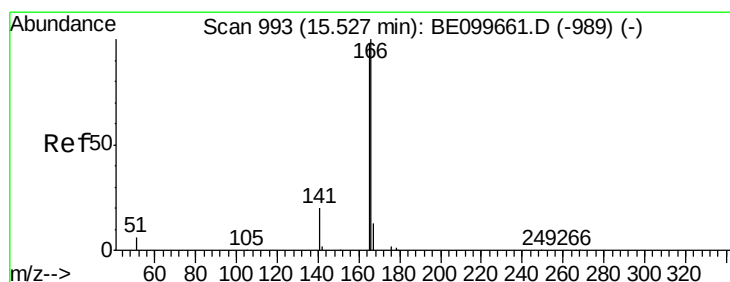
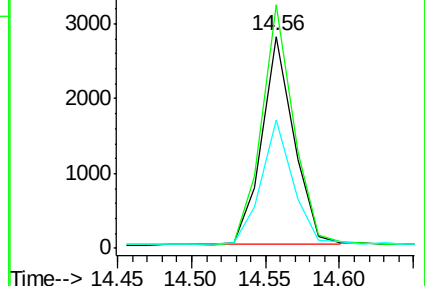
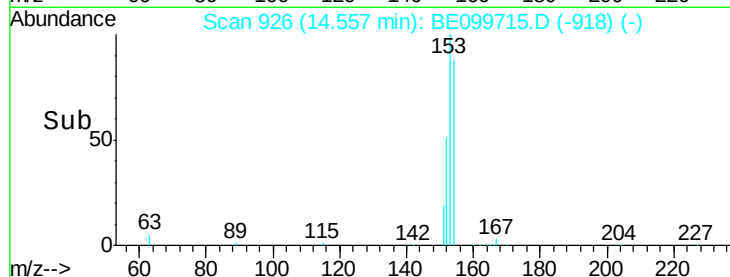
152 59.6 46.0 69.0



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: 0.399 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

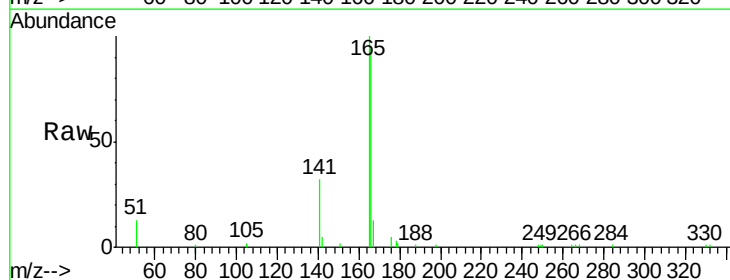
Tgt Ion:166 Resp: 5925

Ion Ratio Lower Upper

166 100

165 100.4 80.3 120.5

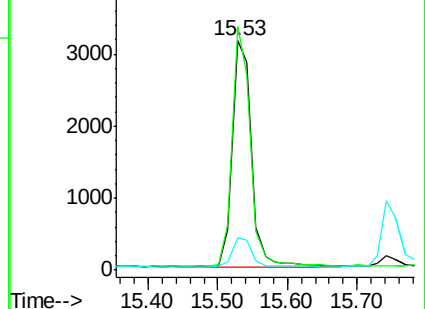
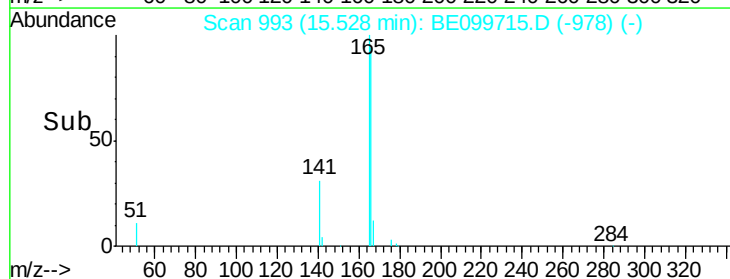
167 13.6 10.6 16.0

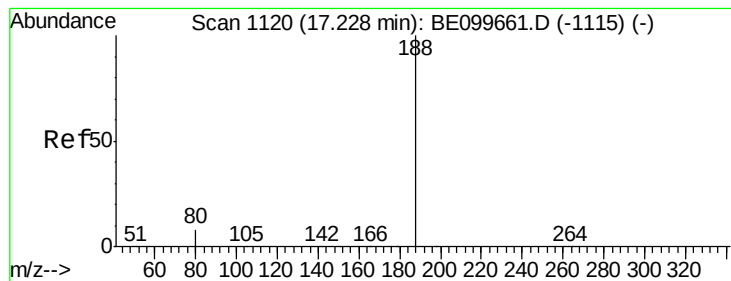


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

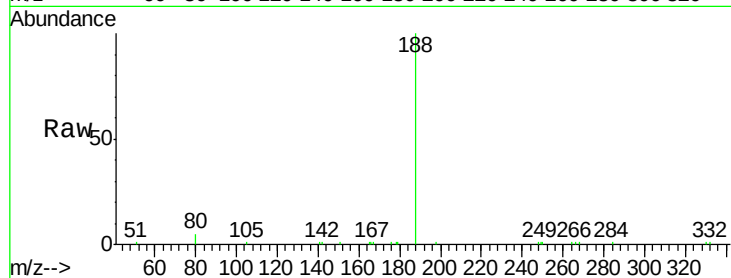
Tgt Ion:188 Resp: 11708

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

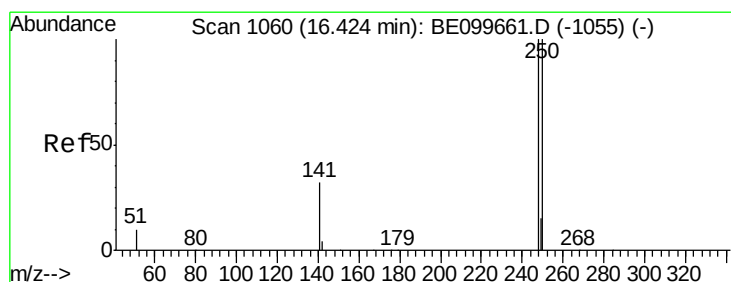
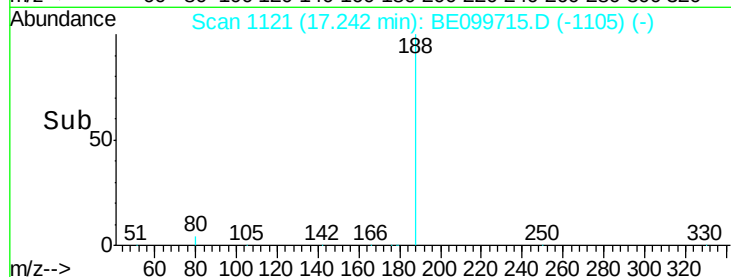
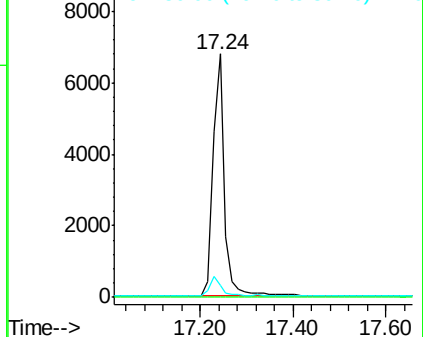
80 5.0 6.7 10.1#



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: 0.390 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

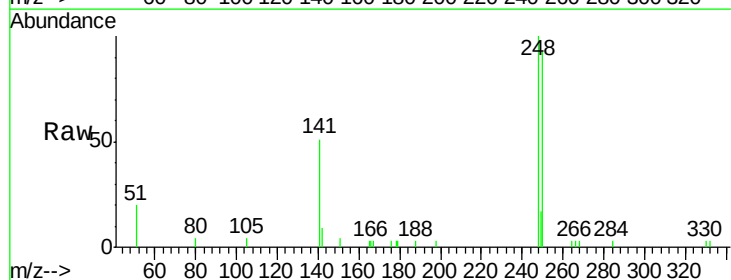
Tgt Ion:248 Resp: 2632

Ion Ratio Lower Upper

248 100

250 93.0 79.8 119.8

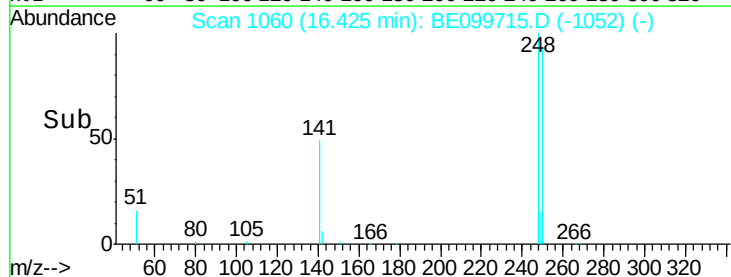
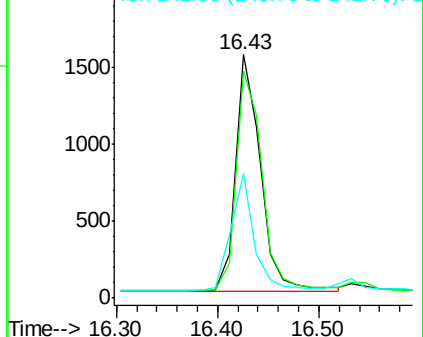
141 50.9 27.0 40.6#

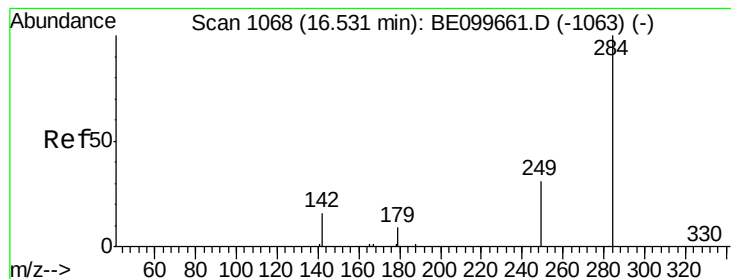


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.414 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

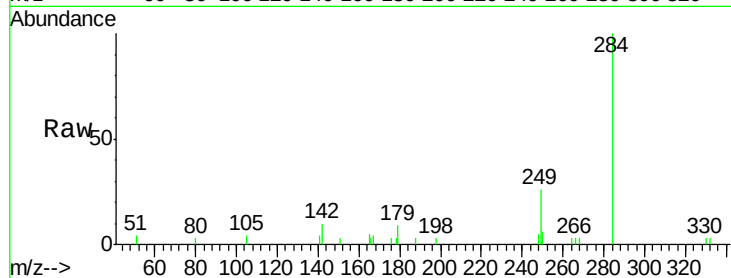
Tgt Ion:284 Resp: 2860

Ion Ratio Lower Upper

284 100

142 22.5 17.8 26.6

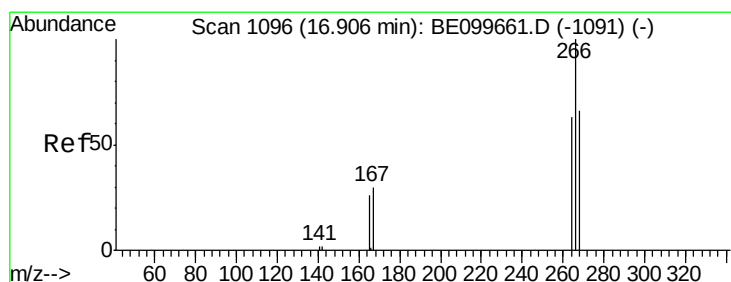
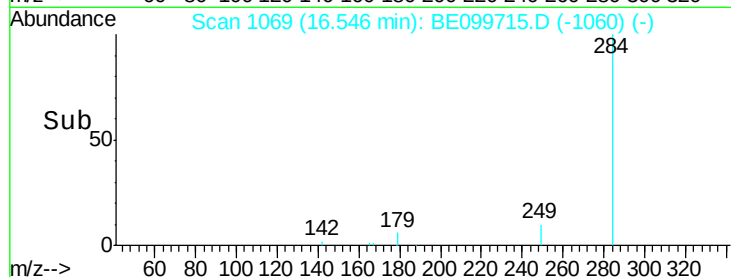
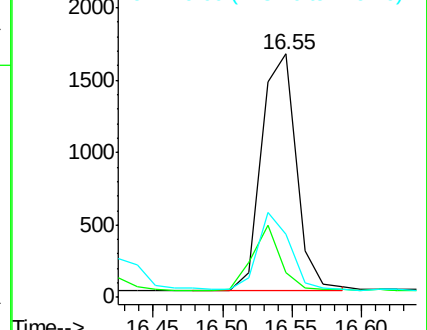
249 29.6 24.8 37.2



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: 0.817 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

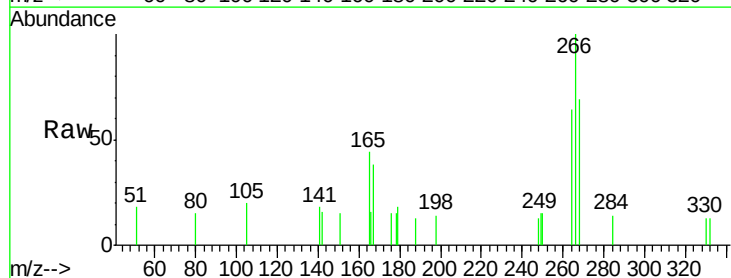
Tgt Ion:266 Resp: 1431

Ion Ratio Lower Upper

266 100

264 63.5 57.2 85.8

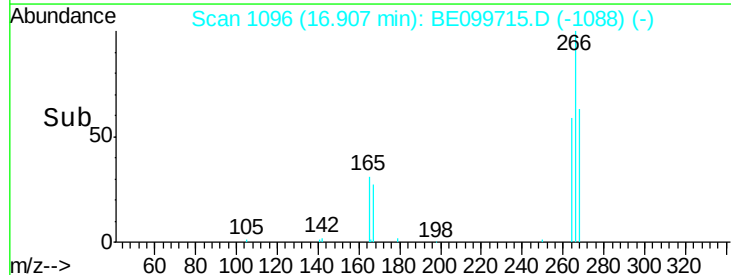
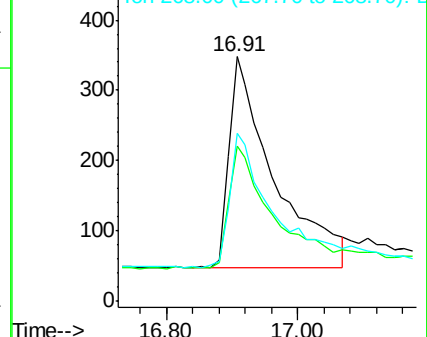
268 68.7 60.5 90.7

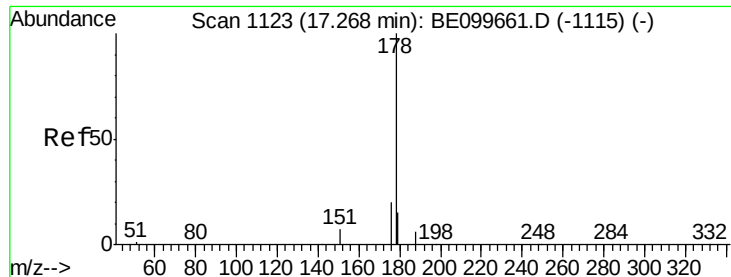


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.410 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

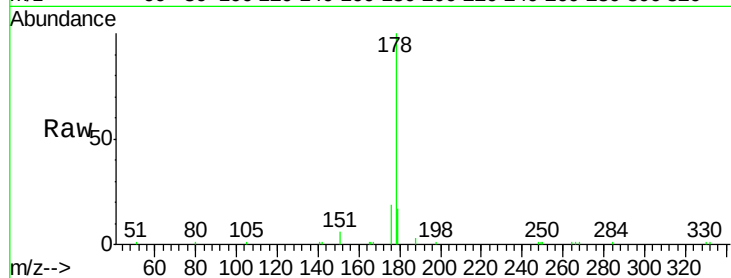
Tgt Ion:178 Resp: 11736

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

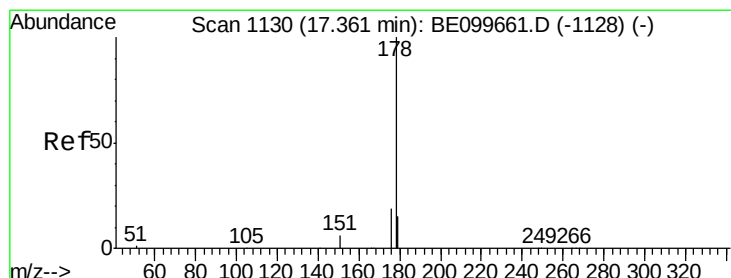
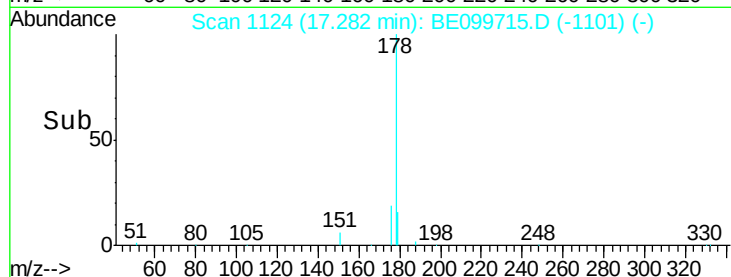
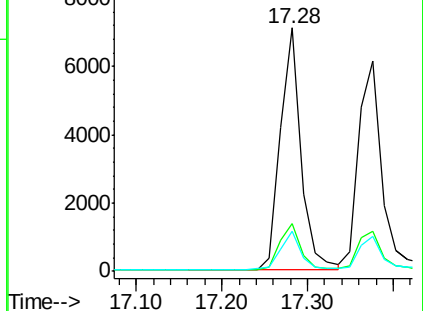
179 15.2 12.2 18.4



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



#24

Anthracene

Concen: 0.424 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

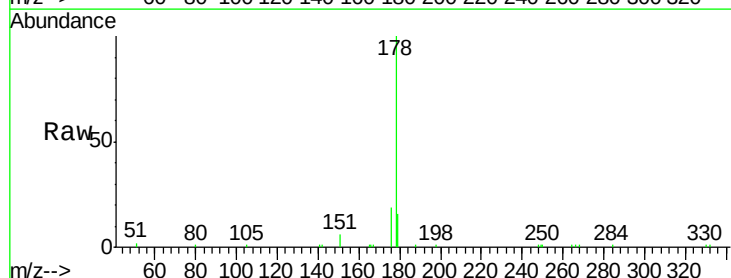
Tgt Ion:178 Resp: 11002

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

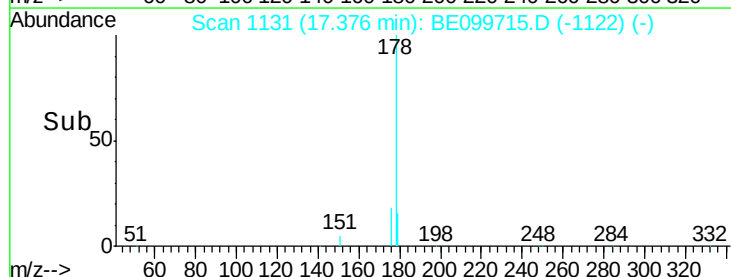
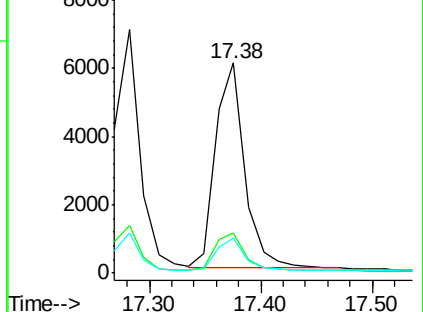
179 15.2 12.0 18.0

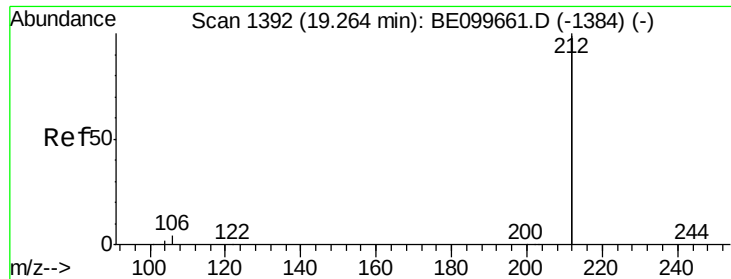


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

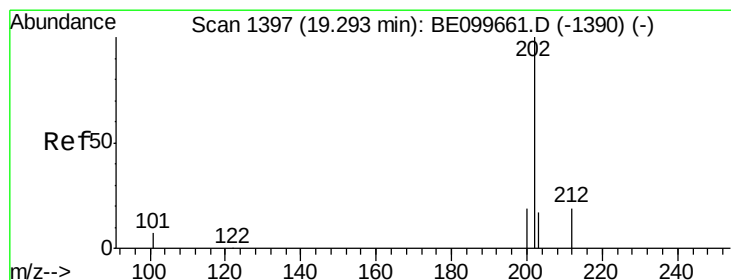
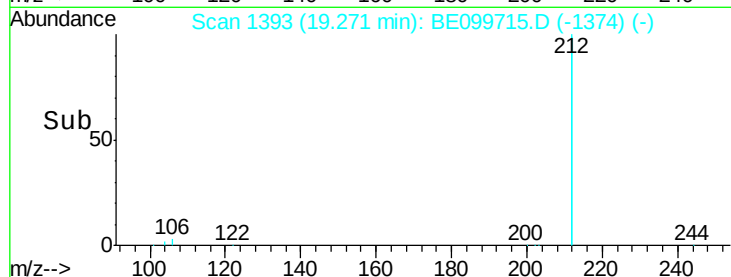
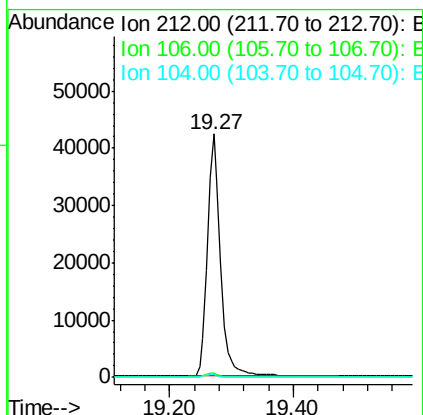
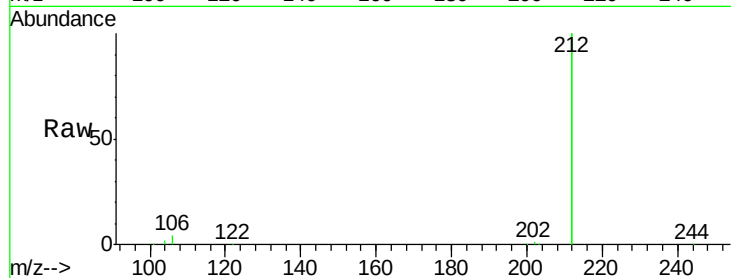




#25
 Fluoranthene-d10
 Concen: 0.393 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BE099715.D
 Acq: 22 May 2019 12:08

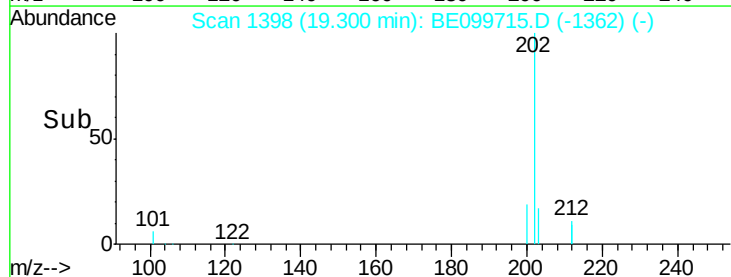
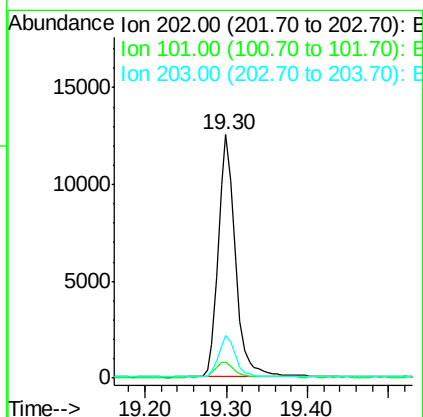
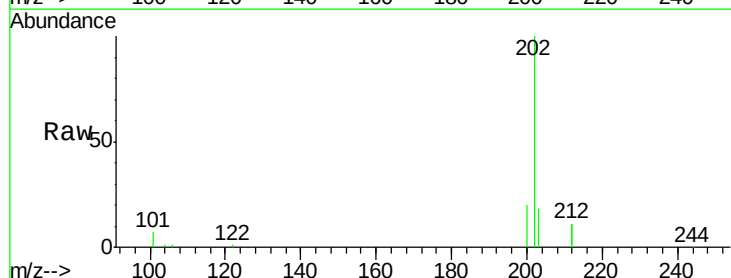
Instrument :
 BNA_E
 ClientSampleId :
 PB119960BS

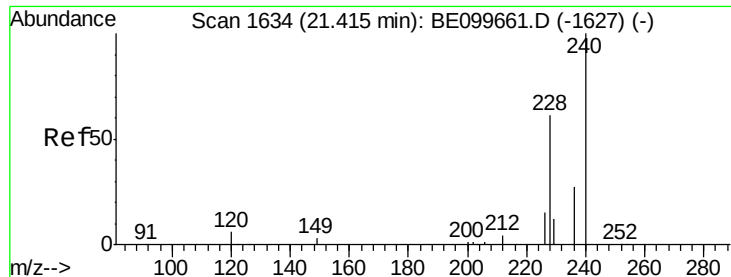
Tgt Ion:212 Resp: 62946
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.2
 104 1.0 0.8 1.2



#26
 Fluoranthene
 Concen: 0.405 ng
 RT: 19.30 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: BE099715.D
 Acq: 22 May 2019 12:08

Tgt Ion:202 Resp: 18328
 Ion Ratio Lower Upper
 202 100
 101 6.7 5.2 7.8
 203 17.1 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

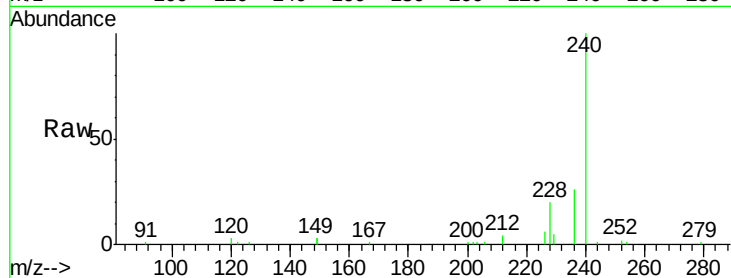
Tgt Ion:240 Resp: 16176

Ion Ratio Lower Upper

240 100

120 3.2 5.4 8.0#

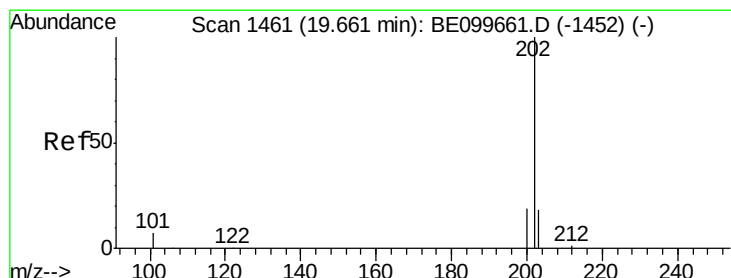
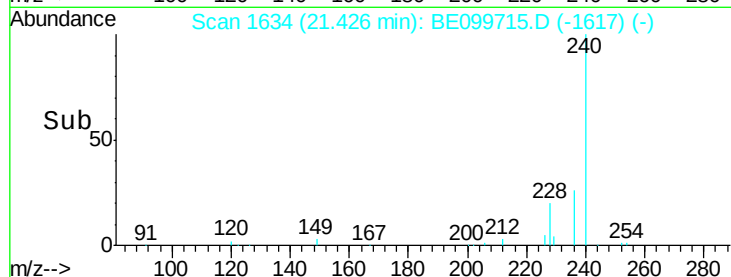
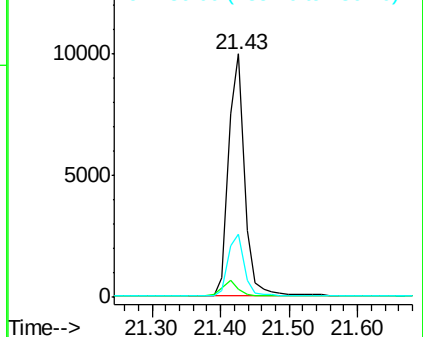
236 26.1 21.7 32.5



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: 0.462 ng

RT: 19.66 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

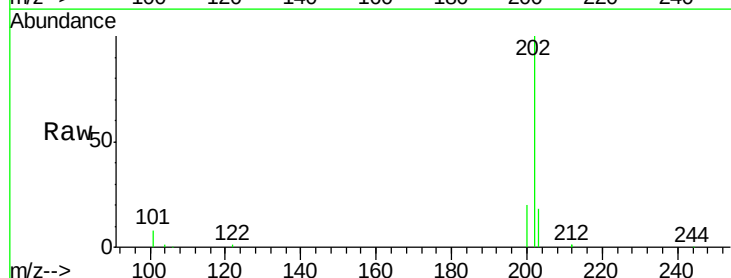
Tgt Ion:202 Resp: 18794

Ion Ratio Lower Upper

202 100

200 19.4 15.4 23.2

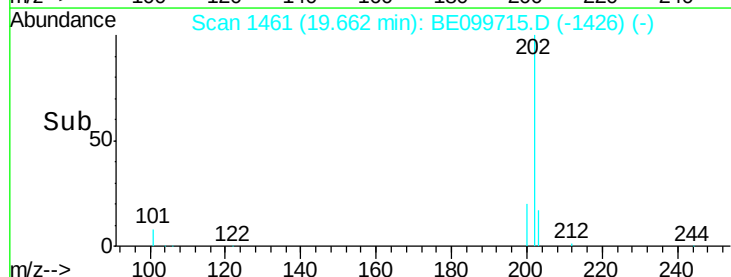
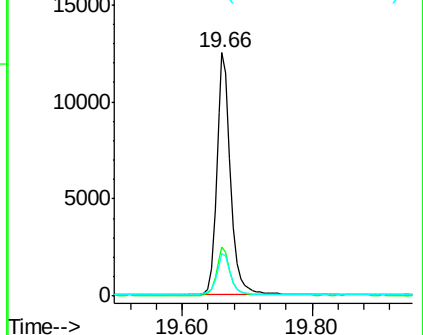
203 18.1 13.8 20.8

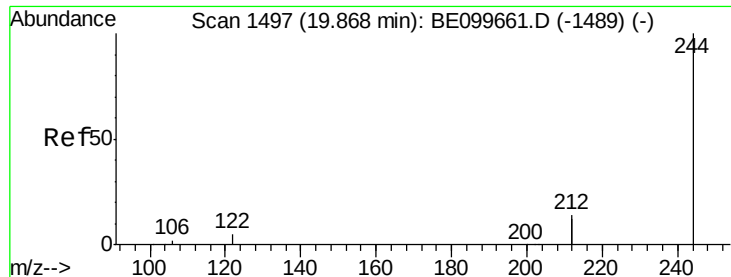


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.464 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

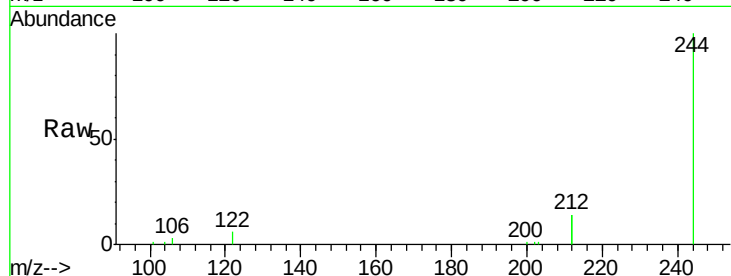
Tgt Ion:244 Resp: 13399

Ion Ratio Lower Upper

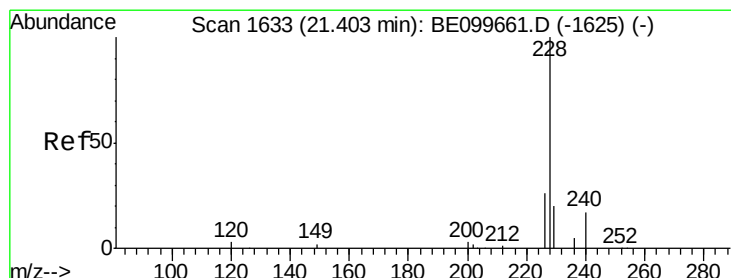
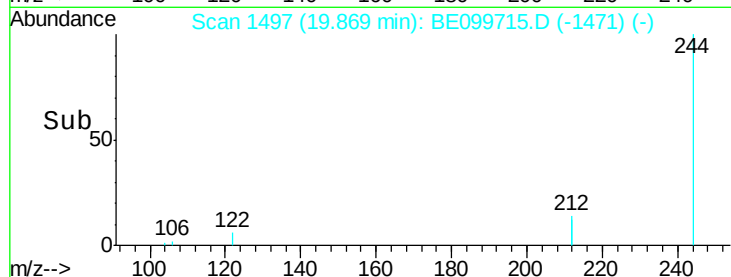
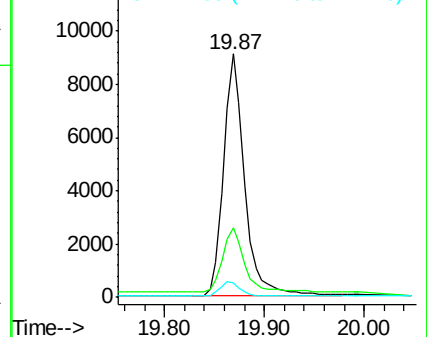
244 100

212 28.8 22.5 33.7

122 6.2 4.3 6.5



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: 0.505 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

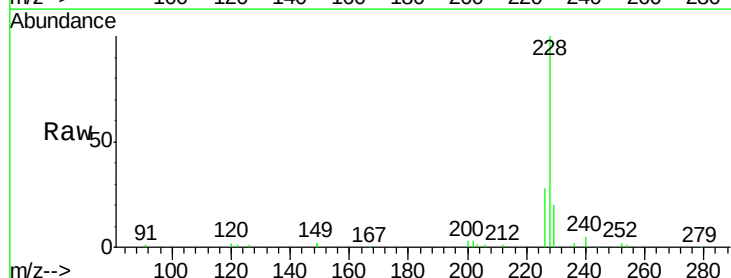
Tgt Ion:228 Resp: 23213

Ion Ratio Lower Upper

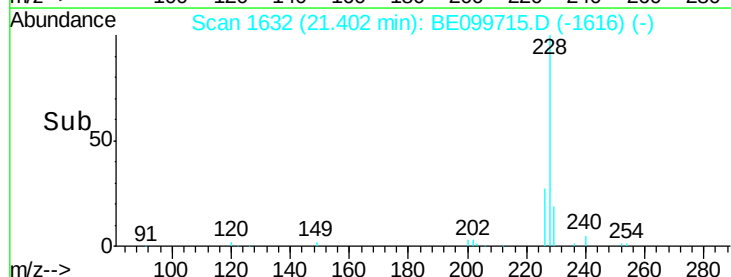
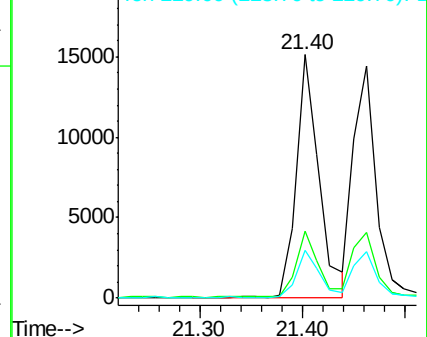
228 100

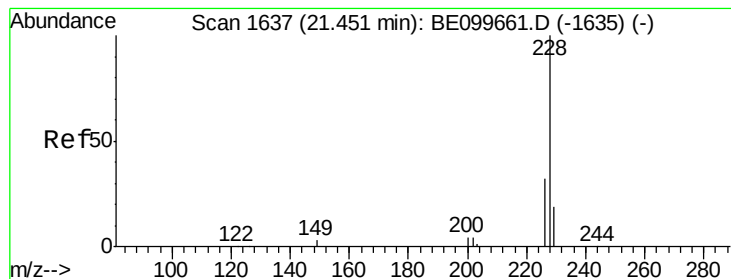
226 27.5 21.3 31.9

229 19.7 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





#31

Chrysene

Concen: 0.441 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

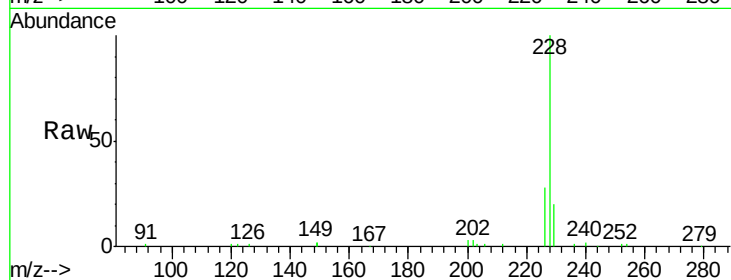
Tgt Ion:228 Resp: 21670

Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

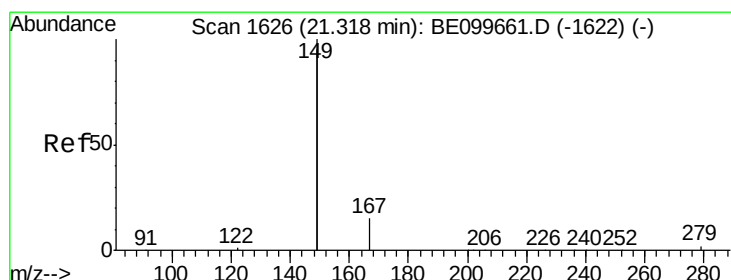
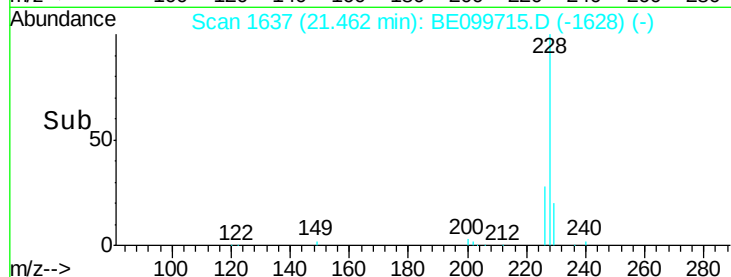
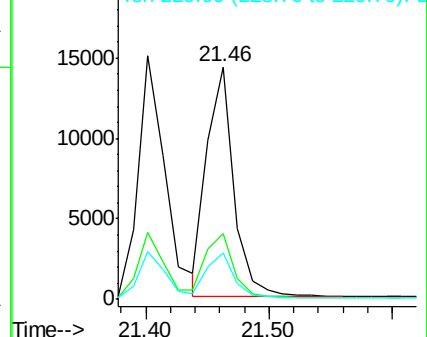
229 19.9 15.8 23.6



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: 0.508 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

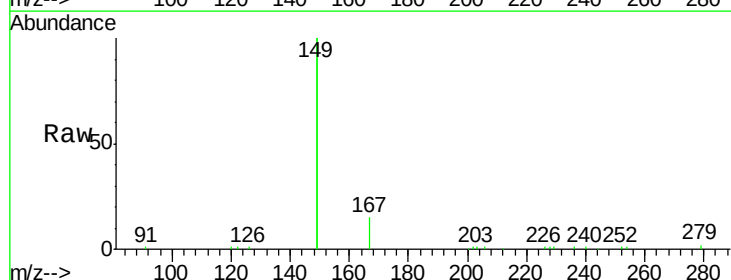
Tgt Ion:149 Resp: 26889

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

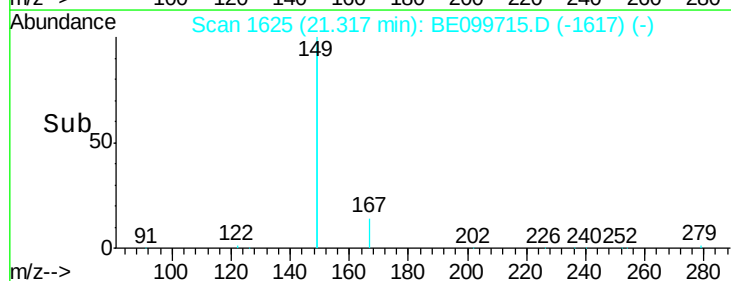
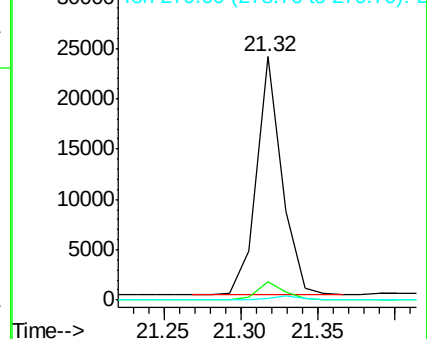
279 1.5 1.2 1.8

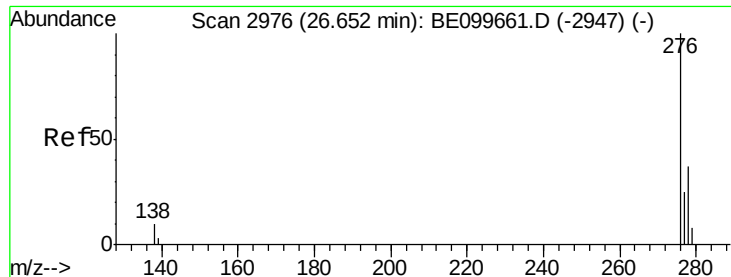


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.443 ng

RT: 26.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

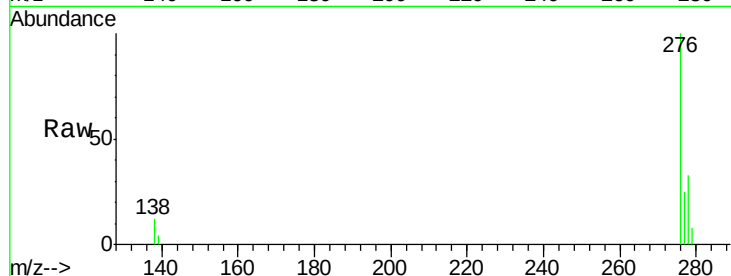
Tgt Ion:276 Resp: 26280

Ion Ratio Lower Upper

276 100

138 4.9 9.6 14.4#

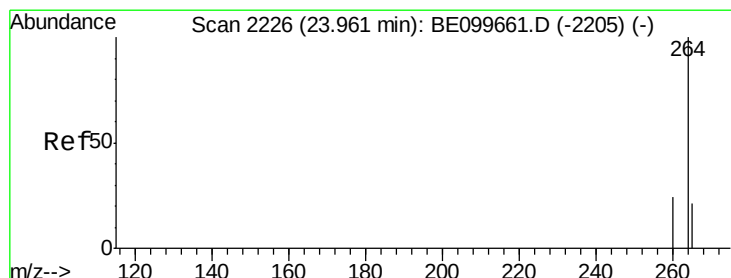
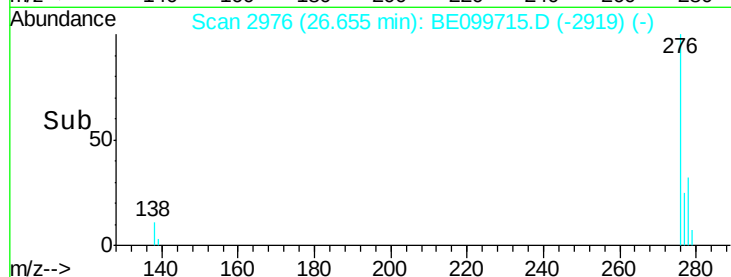
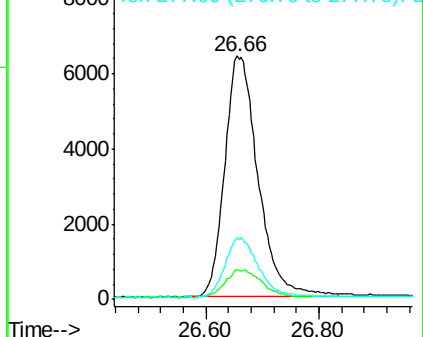
277 24.3 19.2 28.8



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: 23.97 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

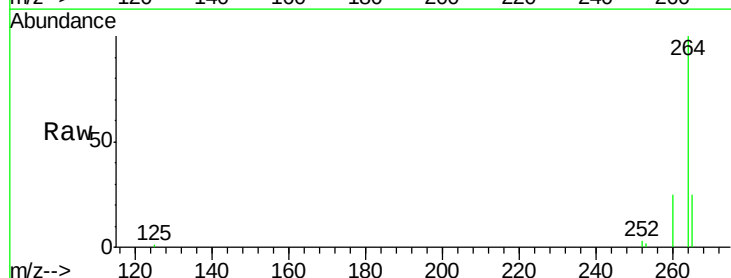
Tgt Ion:264 Resp: 18109

Ion Ratio Lower Upper

264 100

260 24.9 19.6 29.4

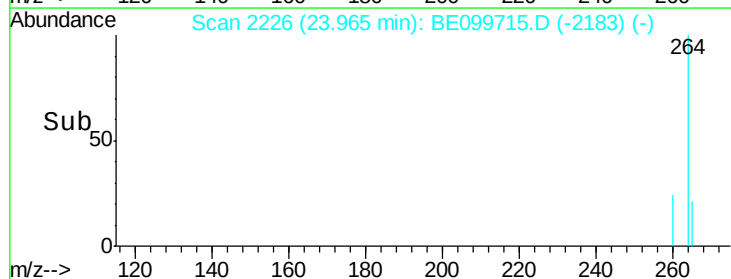
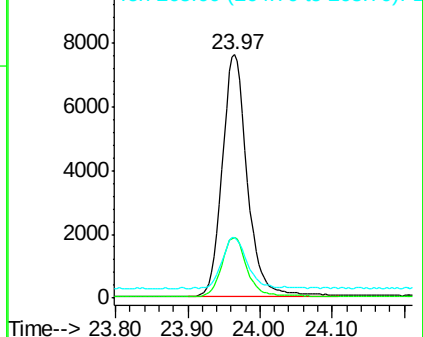
265 24.9 19.1 28.7

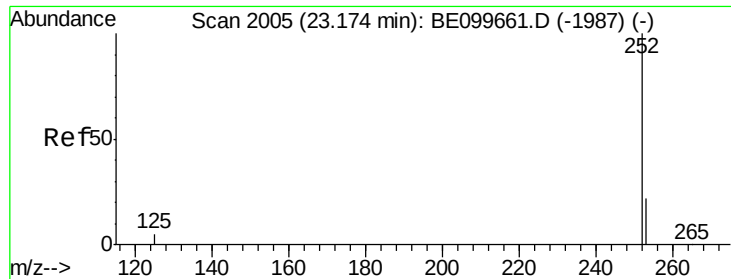


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.434 ng

RT: 23.18 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

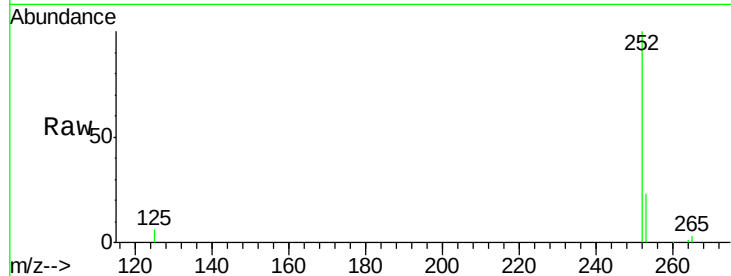
Tgt Ion:252 Resp: 21540

Ion Ratio Lower Upper

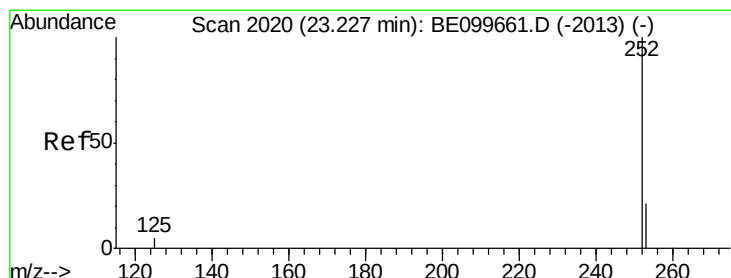
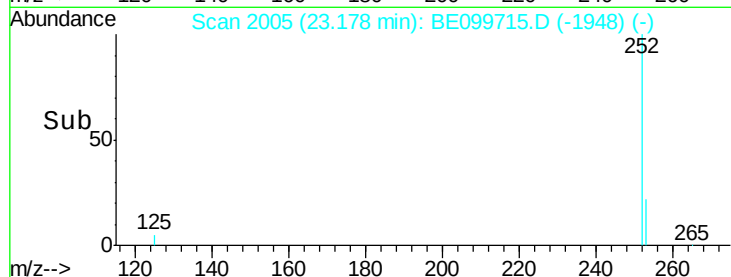
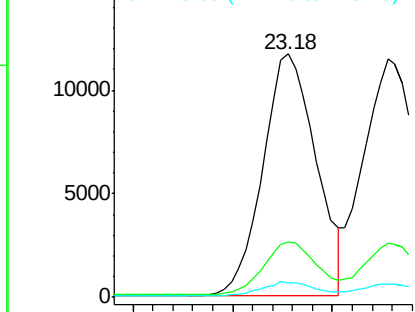
252 100

253 22.6 18.2 27.4

125 6.1 4.5 6.7



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: 0.450 ng

RT: 23.23 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

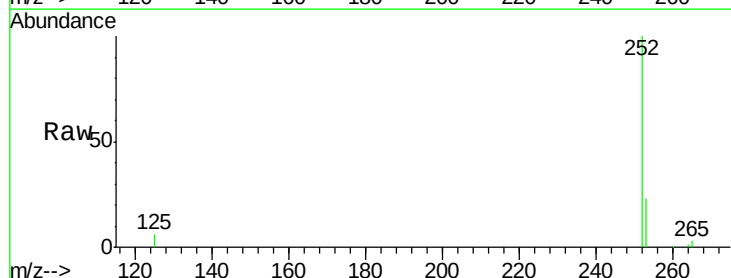
Tgt Ion:252 Resp: 23253

Ion Ratio Lower Upper

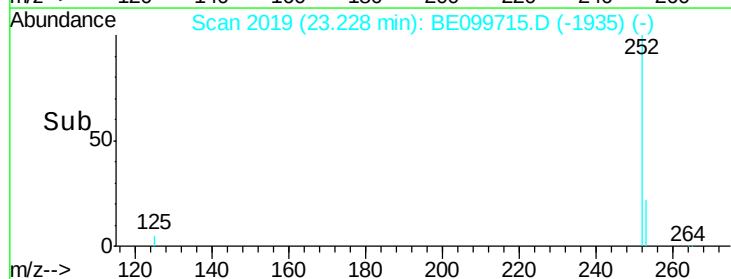
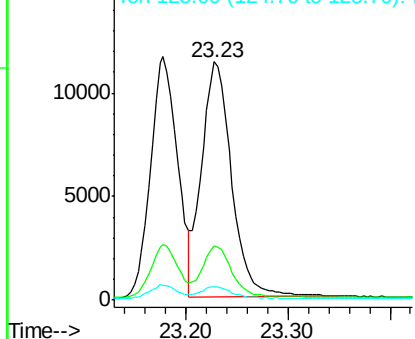
252 100

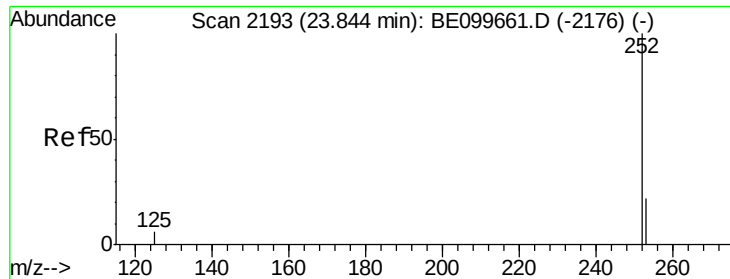
253 22.7 17.8 26.8

125 5.7 4.6 6.8



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: 0.454 ng

RT: 23.85 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS

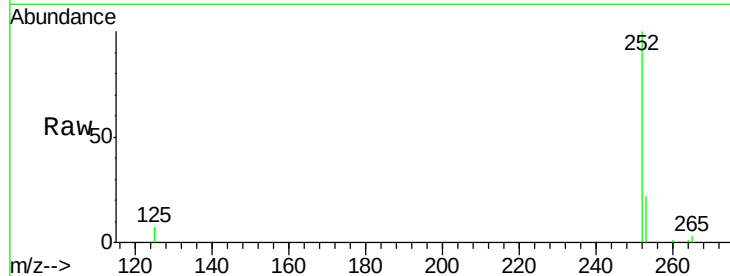
Tgt Ion:252 Resp: 21656

Ion Ratio Lower Upper

252 100

253 22.1 18.9 28.3

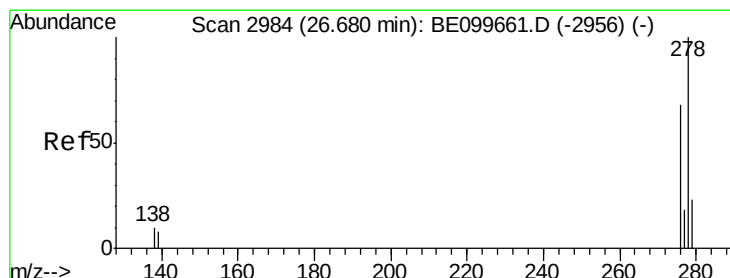
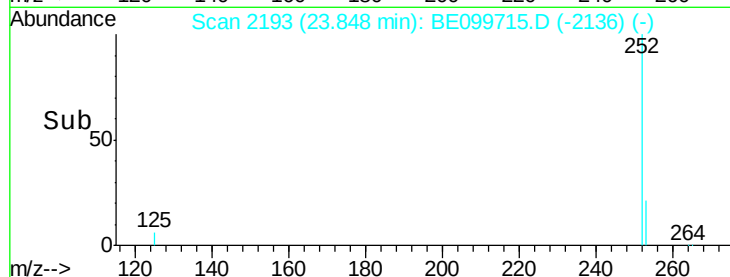
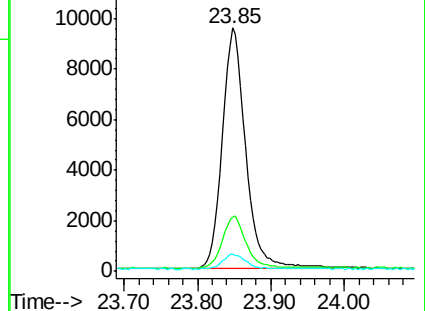
125 6.9 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.437 ng

RT: 26.69 min Scan# 2985

Delta R.T. 0.01 min

Lab File: BE099715.D

Acq: 22 May 2019 12:08

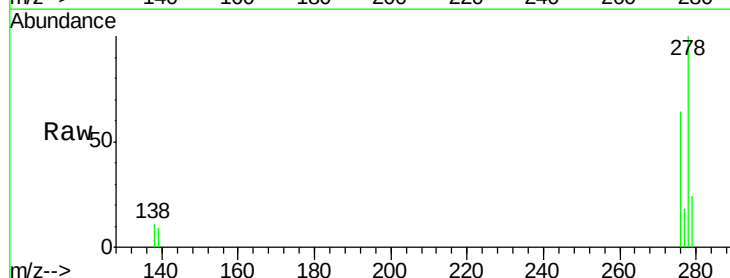
Tgt Ion:278 Resp: 21916

Ion Ratio Lower Upper

278 100

139 8.9 6.9 10.3

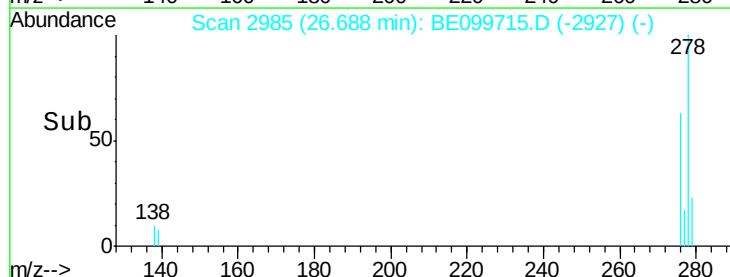
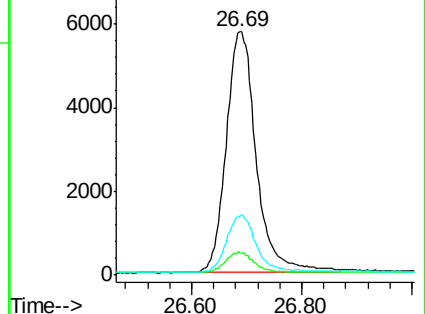
279 24.5 19.2 28.8

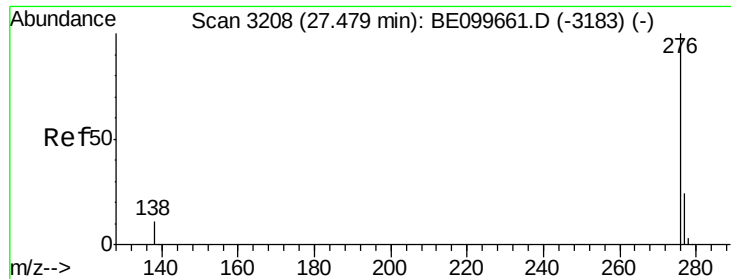


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.443 ng

RT: 27.49 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE099715.D

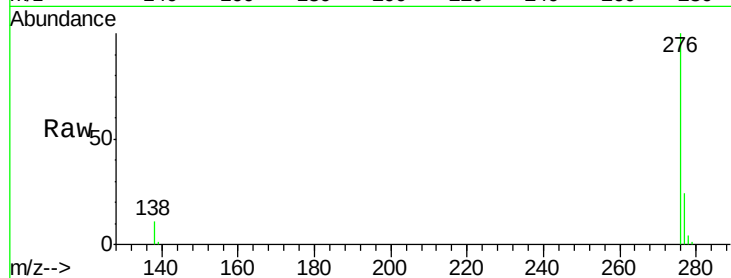
Acq: 22 May 2019 12:08

Instrument :

BNA_E

ClientSampleId :

PB119960BS



Tgt Ion: 276 Resp: 22443

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.6

138 11.0 9.2 13.8

