

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099743.D
 Acq On : 24 May 2019 15:34
 Operator : JU/SJ
 Sample : K3010-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 24 21:33:51 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	7.81	152	1135	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	3783	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2638	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	8144	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	13646	0.40	ng	-0.01
34) Perylene-d12	23.94	264	16565	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1350	0.47	ng	-0.01
5) Phenol-d6	6.96	99	1855	0.49	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1354	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2874	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	789	0.52	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3690	0.37	ng	0.00
25) Fluoranthene-d10	19.25	212	43601	0.39	ng	-0.01
29) Terphenyl-d14	19.85	244	9501	0.39	ng	-0.02

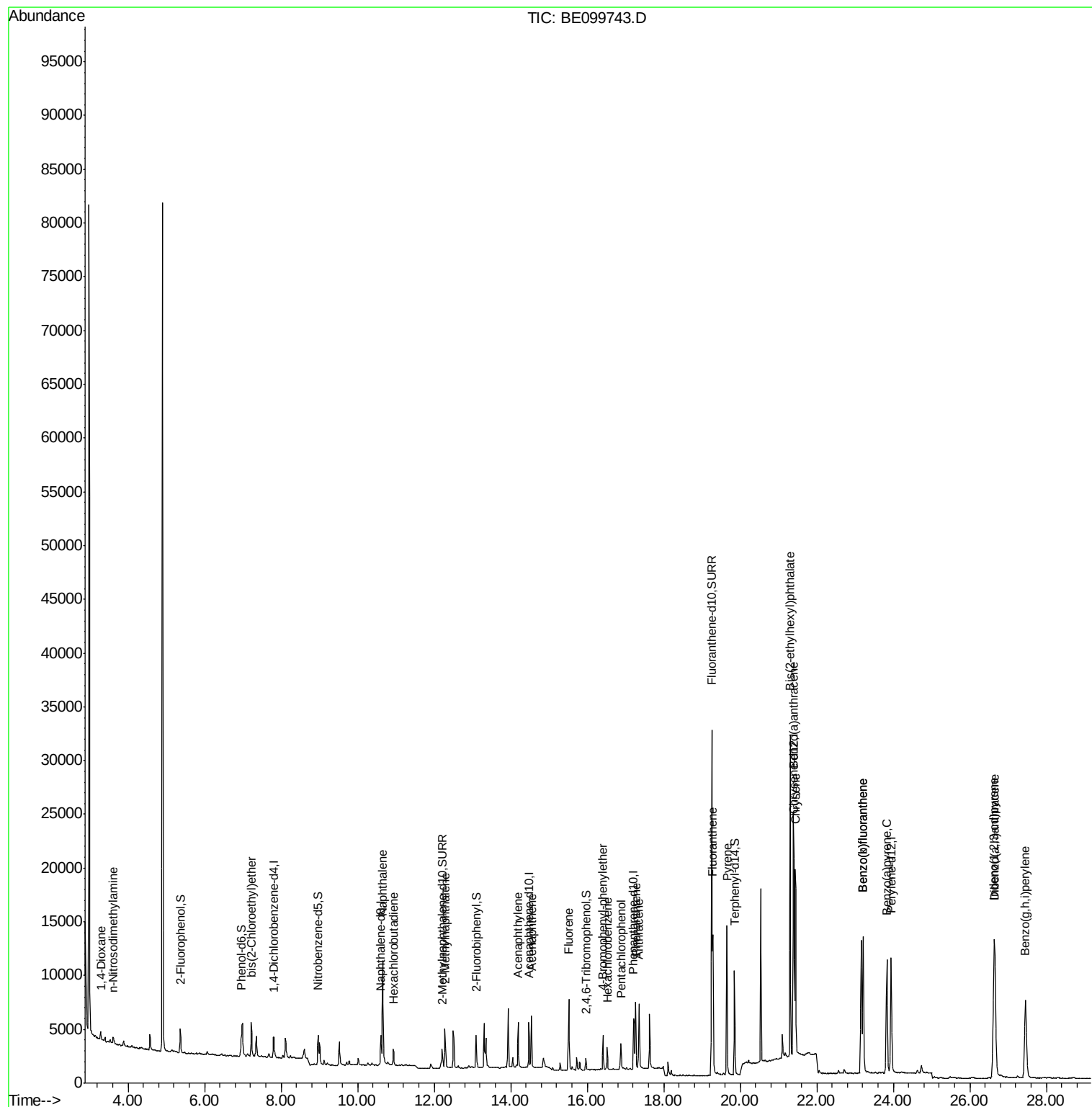
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	550	0.327	ng	# 57
3) n-Nitrosodimethylamine	3.60	42	439	0.473	ng	# 93
6) bis(2-Chloroethyl)ether	7.22	93	1336	0.396	ng	96
9) Naphthalene	10.65	128	16653	0.412	ng	99
10) Hexachlorobutadiene	10.93	225	1172	0.393	ng	99
12) 2-Methylnaphthalene	12.28	142	2704	0.410	ng	97
16) Acenaphthylene	14.20	152	5028	0.409	ng	100
17) Acenaphthene	14.54	154	2849	0.413	ng	97
18) Fluorene	15.51	166	4061	0.400	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1790	0.381	ng	97
21) Hexachlorobenzene	16.52	284	1790	0.373	ng	97
22) Pentachlorophenol	16.88	266	1811	1.272	ng	91
23) Phenanthrene	17.27	178	7896	0.397	ng	98
24) Anthracene	17.35	178	7425	0.411	ng	99
26) Fluoranthene	19.28	202	13087	0.416	ng	99
28) Pyrene	19.65	202	14053	0.410	ng	99
30) Benzo(a)anthracene	21.39	228	18476	0.476	ng	99
31) Chrysene	21.44	228	18355	0.443	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	31461	0.704	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	23006	0.460	ng	99
35) Benzo(b)fluoranthene	23.21	252	19433	0.428	ng	99
36) Benzo(k)fluoranthene	23.21	252	19433	0.411	ng	98
37) Benzo(a)pyrene	23.83	252	18906	0.433	ng	# 98
38) Dibenzo(a,h)anthracene	26.65	278	19283	0.420	ng	98
39) Benzo(g,h,i)perylene	27.45	276	19588	0.423	ng	100

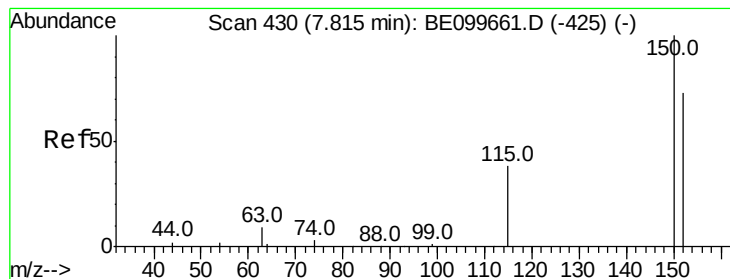
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

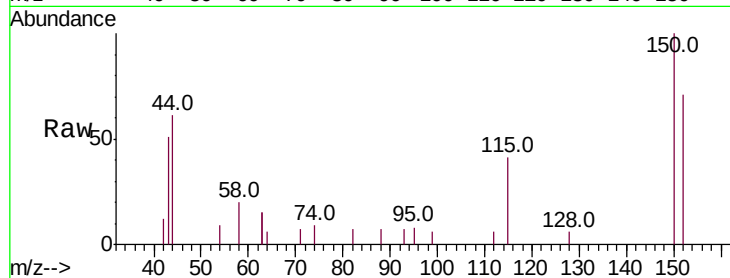
Tot Ion:152 Resp: 1135

Ion Ratio Lower Upper

152 100

150 141.7 109.2 163.8

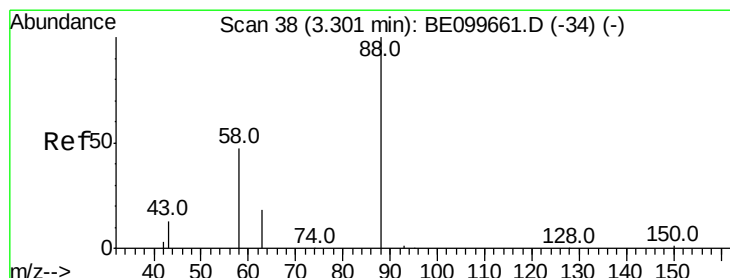
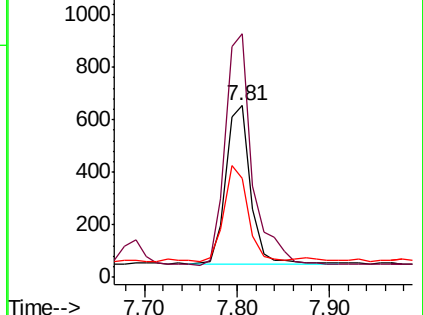
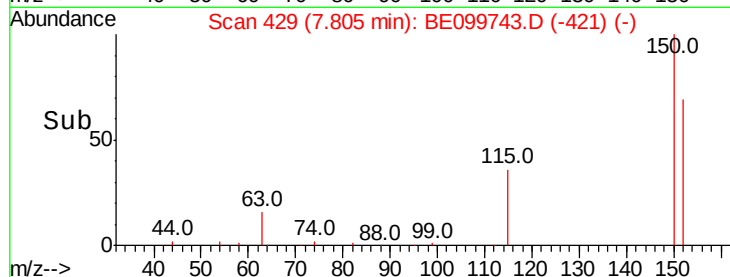
115 57.5 43.7 65.5



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: 0.327 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

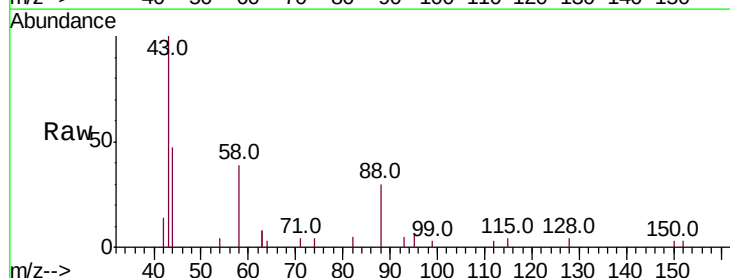
Tgt Ion: 88 Resp: 550

Ion Ratio Lower Upper

88 100

58 64.7 41.8 62.8#

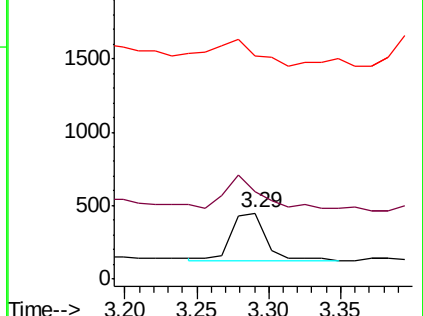
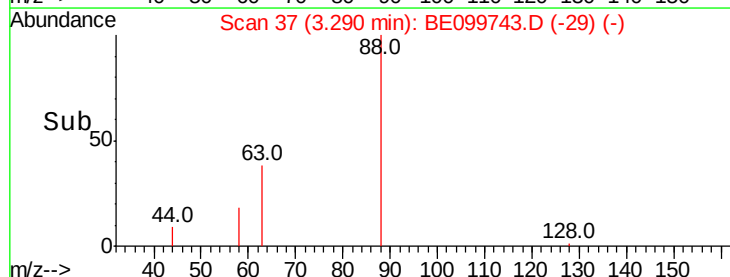
43 69.1 15.0 22.4#

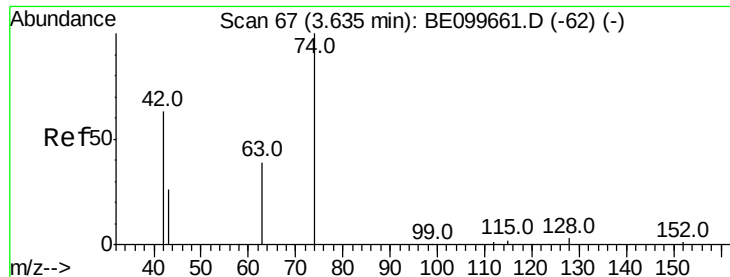


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.473 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.03 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampled :

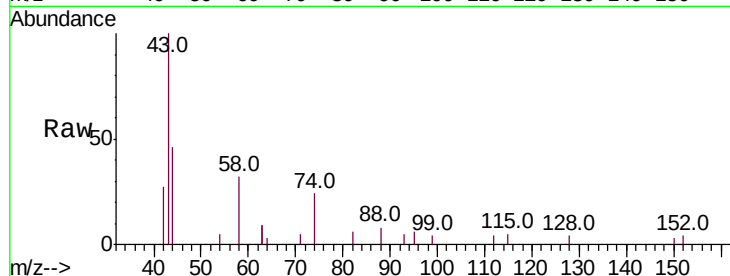
Tot Ion: 42 Resp: 439

Ion Ratio Lower Upper

42 100

74 170.6 129.2 193.8

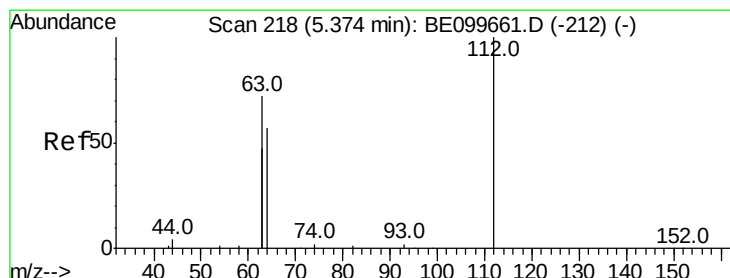
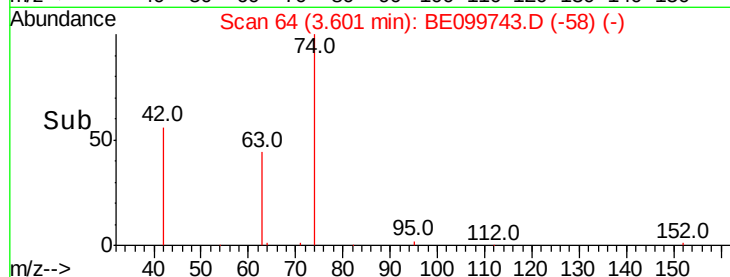
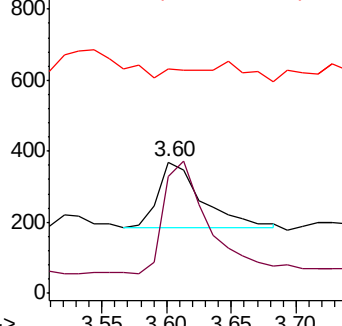
44 0.0 0.0 0.0



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: 0.471 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

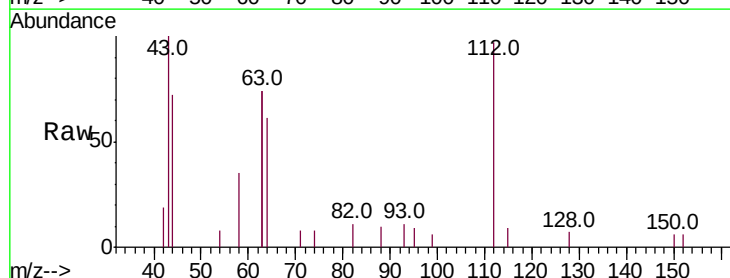
Tgt Ion: 112 Resp: 1350

Ion Ratio Lower Upper

112 100

64 52.7 43.4 65.2

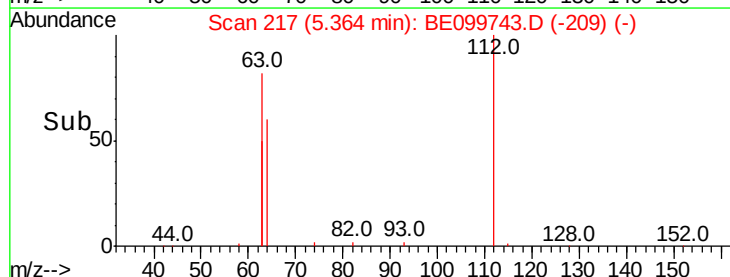
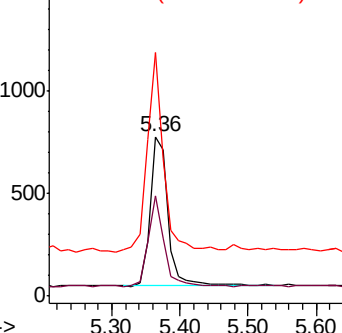
63 119.6 96.9 145.3

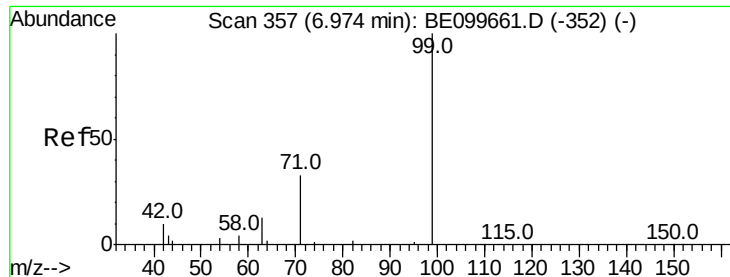


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.489 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampled :

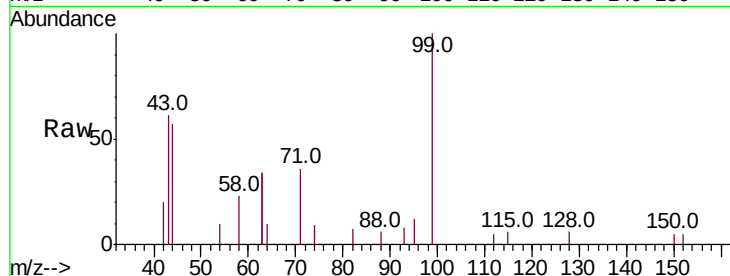
Tot Ion: 99 Resp: 1855

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

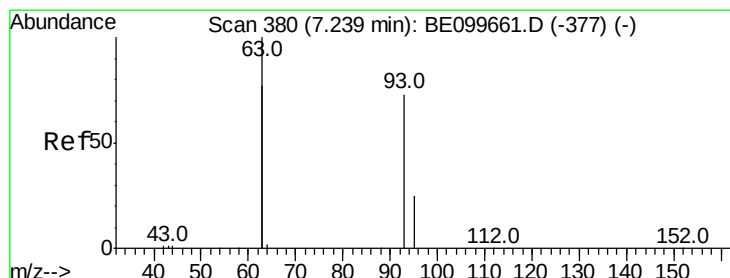
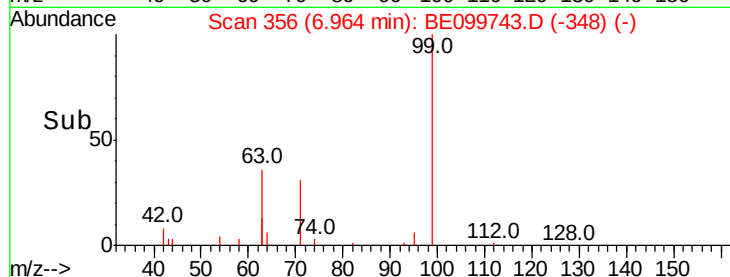
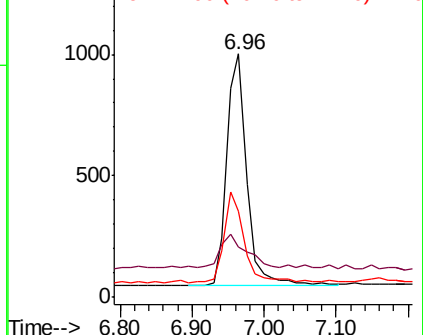
71 38.8 28.9 43.3



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: 0.396 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.02 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

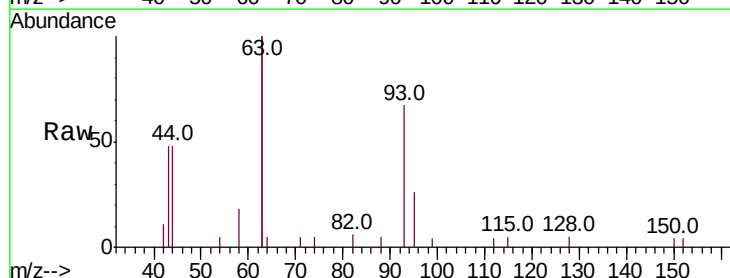
Tgt Ion: 93 Resp: 1336

Ion Ratio Lower Upper

93 100

63 267.5 207.8 311.6

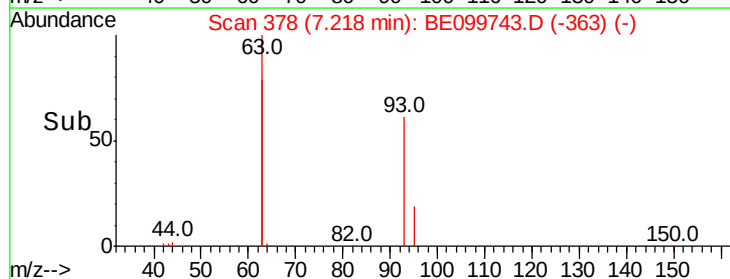
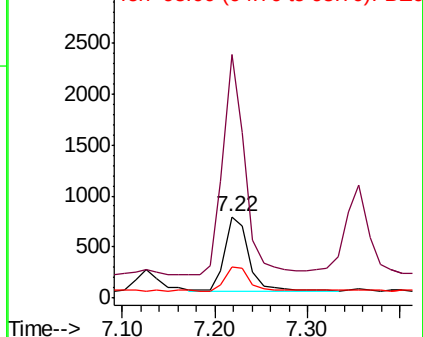
95 33.6 25.9 38.9

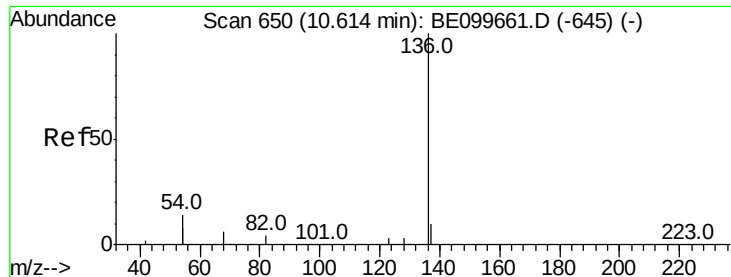


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3783

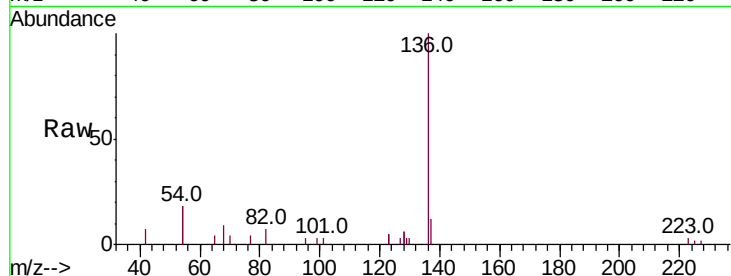
Ion Ratio Lower Upper

136 100

137 12.1 9.0 13.6

54 35.0 22.3 33.5#

68 9.3 6.0 9.0#

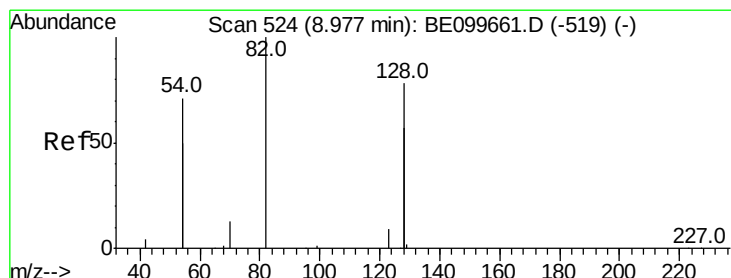
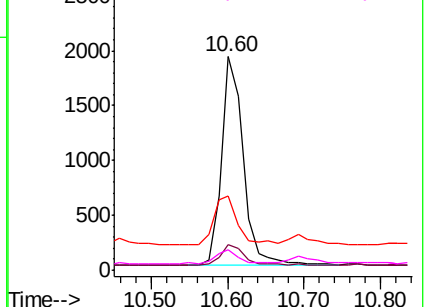
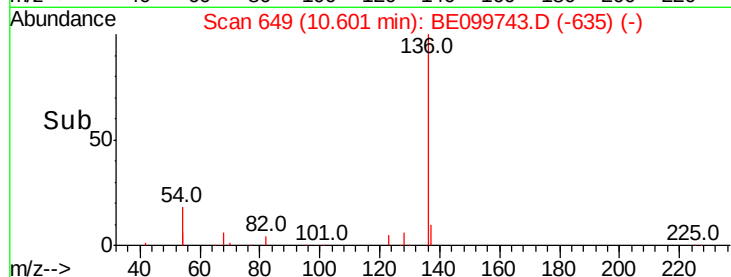


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.413 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

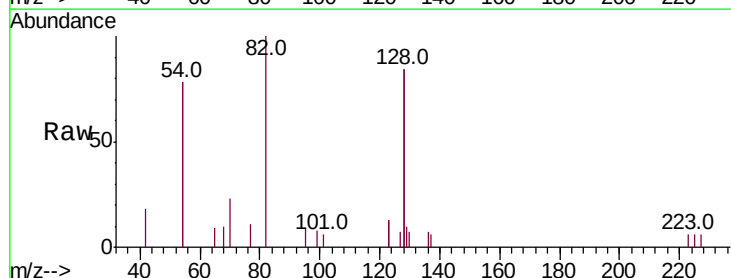
Tgt Ion: 82 Resp: 1354

Ion Ratio Lower Upper

82 100

128 167.2 117.7 176.5

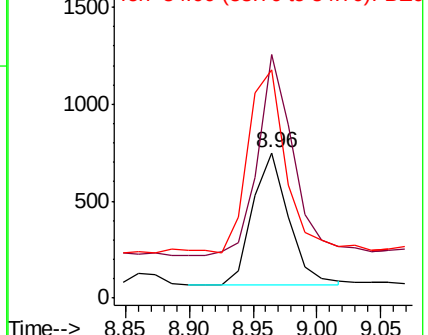
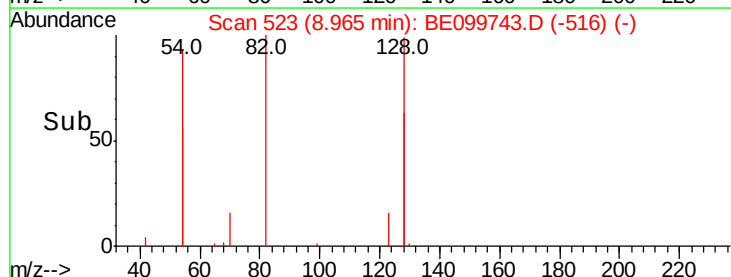
54 156.6 106.6 160.0

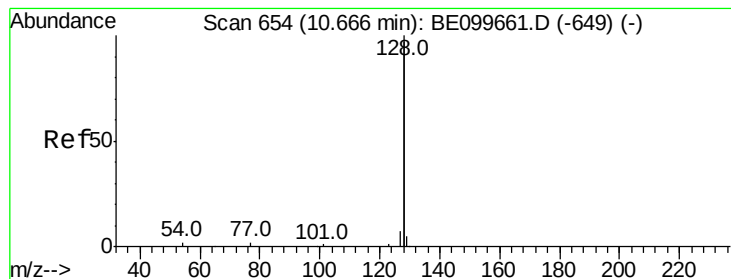


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.412 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

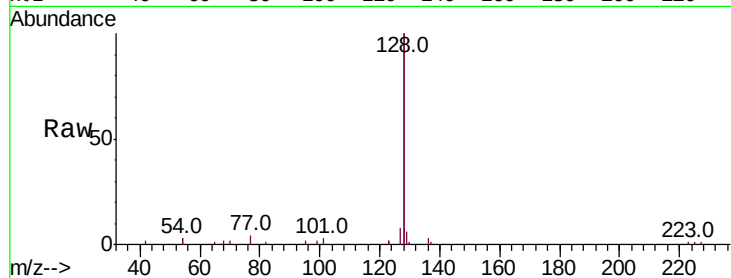
Tot Ion:128 Resp: 16653

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

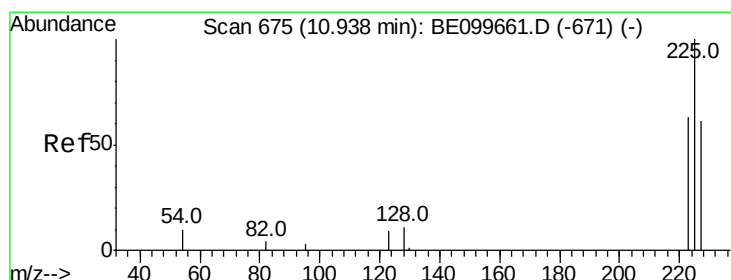
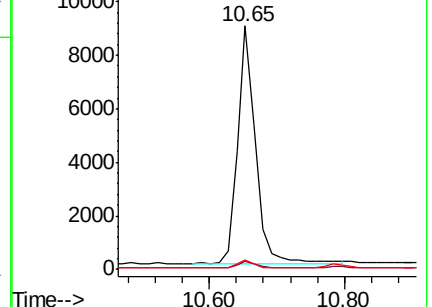
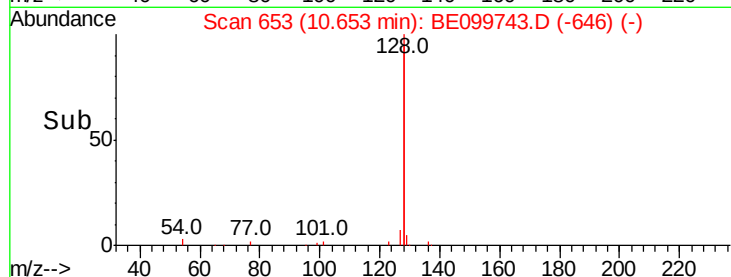
127 3.8 2.9 4.3



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: 0.393 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

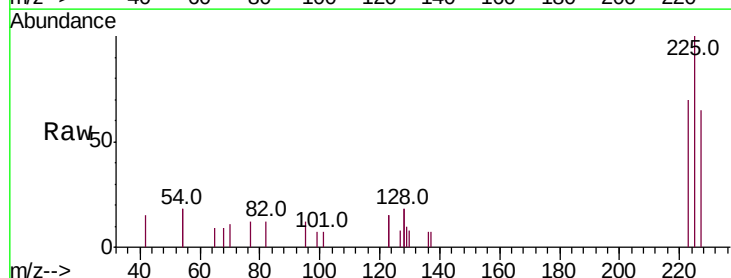
Tgt Ion:225 Resp: 1172

Ion Ratio Lower Upper

225 100

223 65.4 51.8 77.6

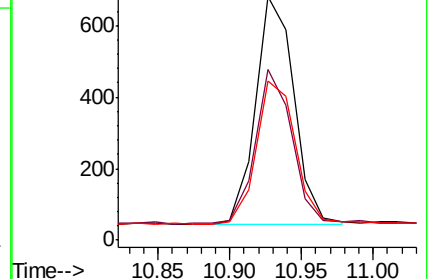
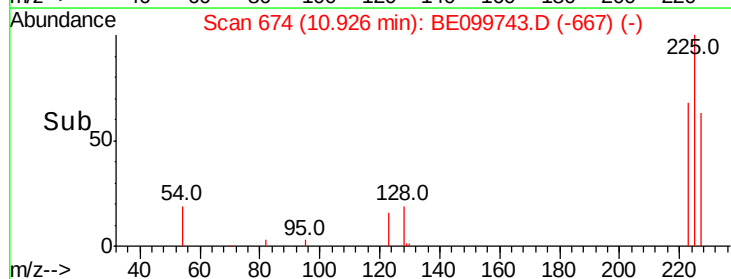
227 64.9 52.6 79.0

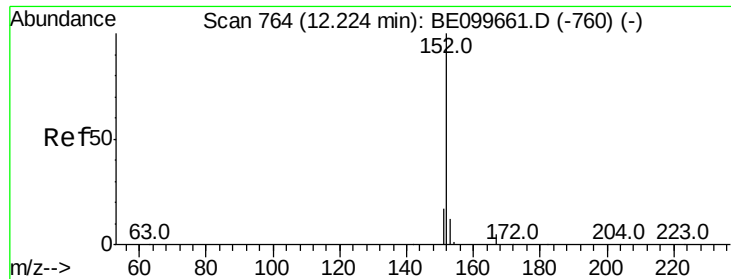


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

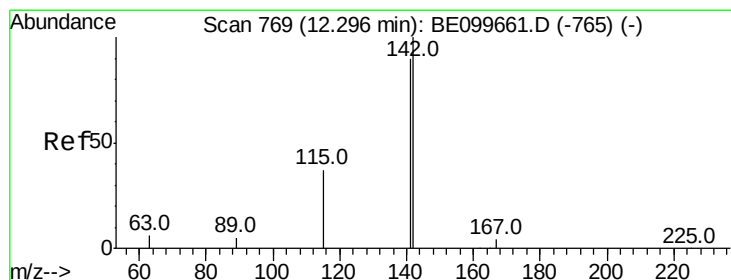
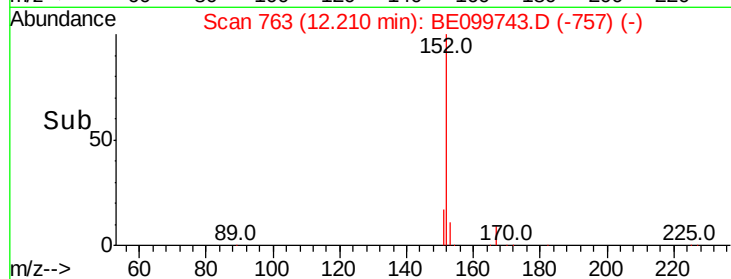
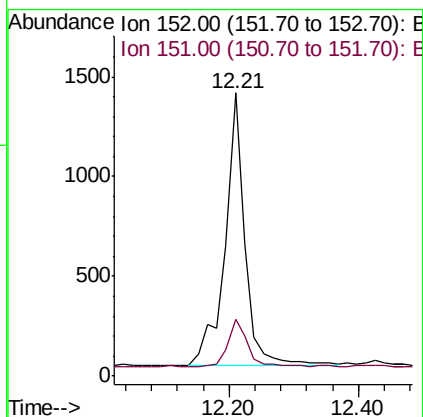
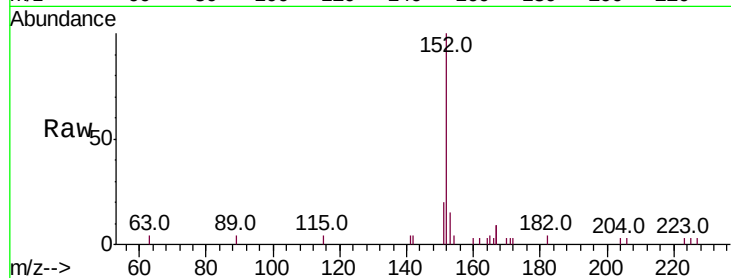




#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

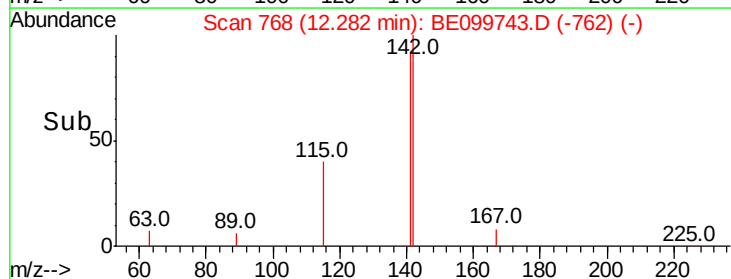
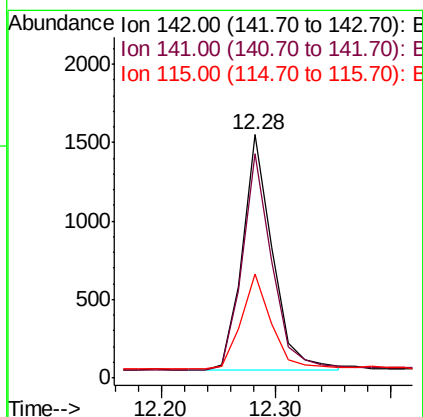
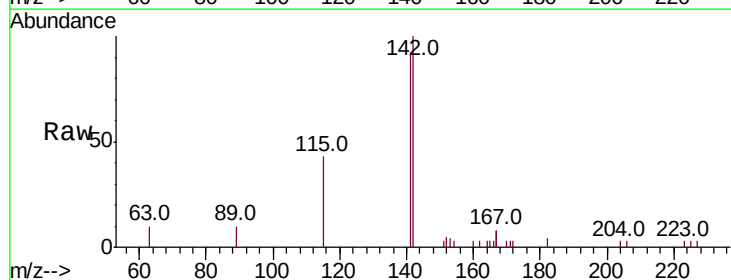
Instrument :
BNA_E
ClientSampleId :

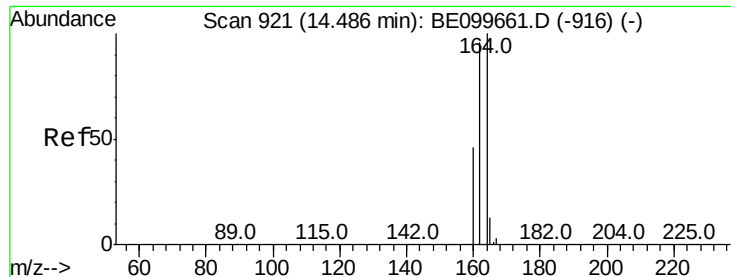
Tot Ion:152 Resp: 2874
Ion Ratio Lower Upper
152 100
151 17.0 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:142 Resp: 2704
Ion Ratio Lower Upper
142 100
141 91.9 72.0 108.0
115 42.6 31.0 46.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

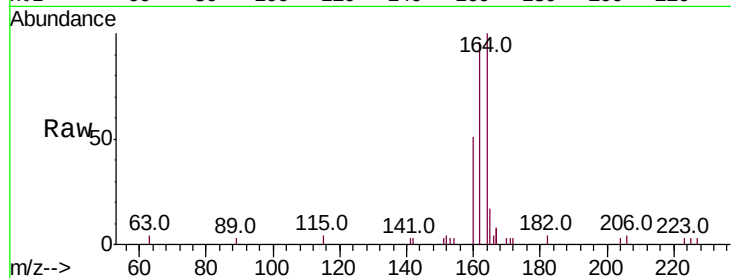
Tot Ion:164 Resp: 2638

Ion Ratio Lower Upper

164 100

162 96.3 76.5 114.7

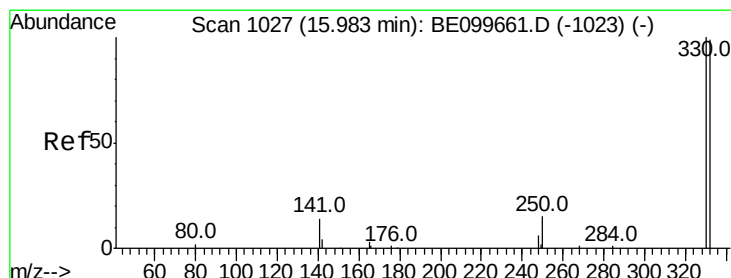
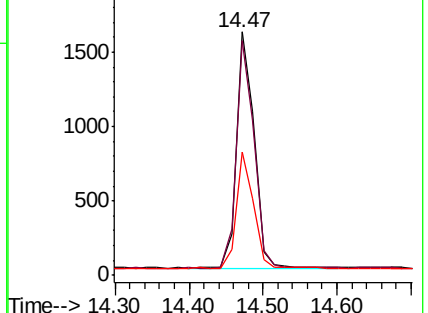
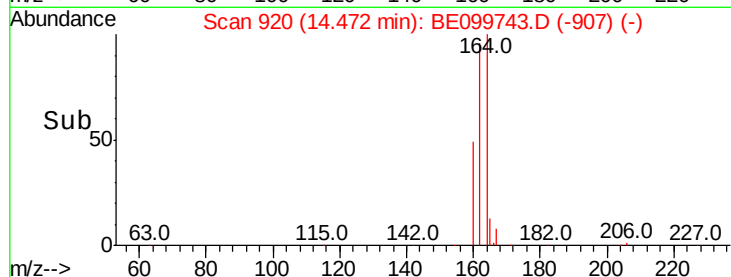
160 50.6 37.4 56.2



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: 0.518 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

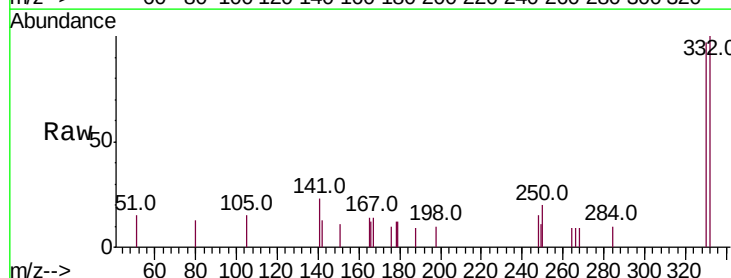
Tgt Ion:330 Resp: 789

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

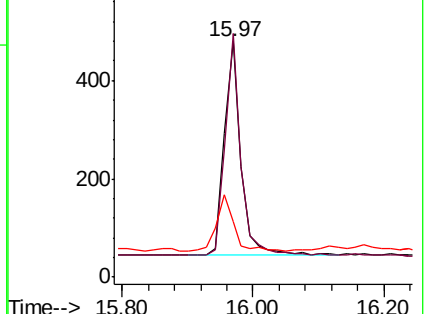
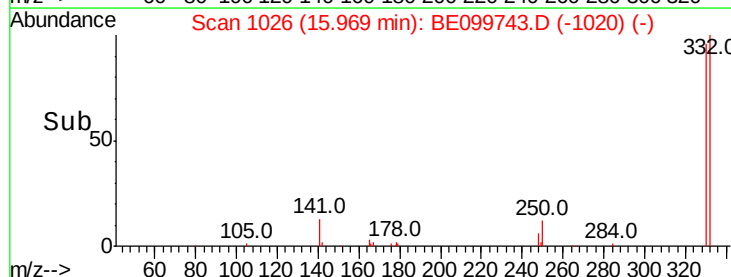
141 26.6 18.9 28.3

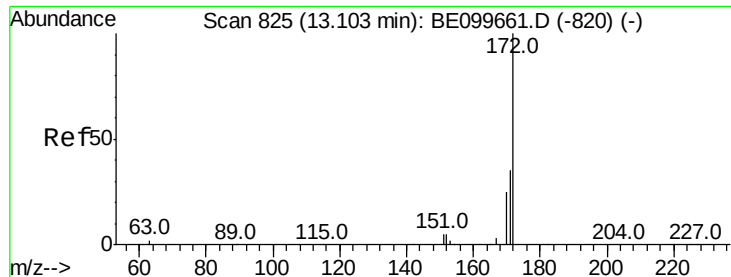


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.369 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampled :

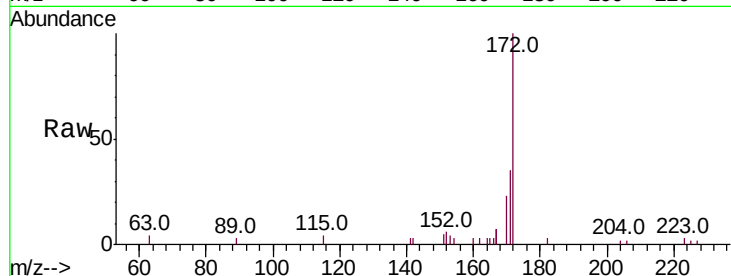
Tot Ion:172 Resp: 3690

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

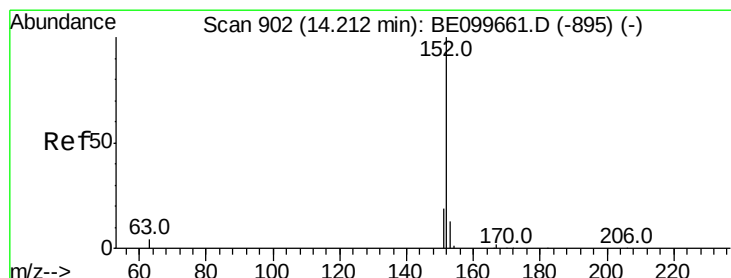
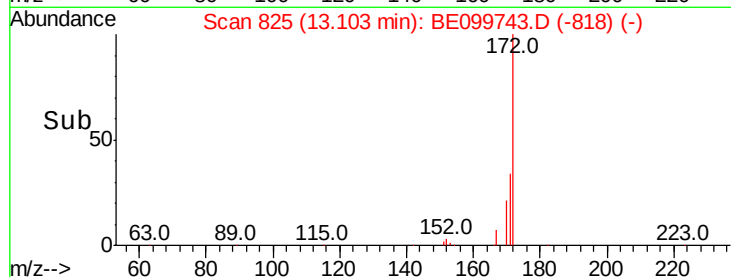
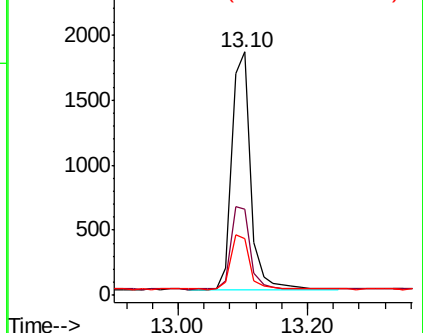
170 23.5 20.9 31.3



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: 0.409 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

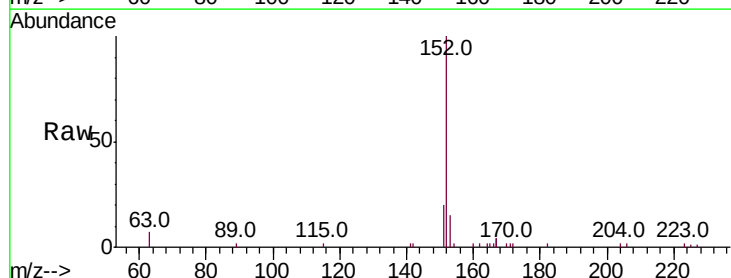
Tgt Ion:152 Resp: 5028

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

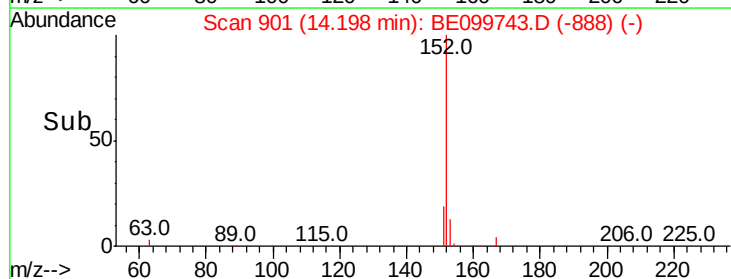
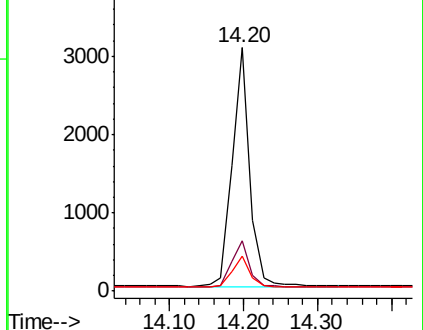
153 13.4 10.6 16.0

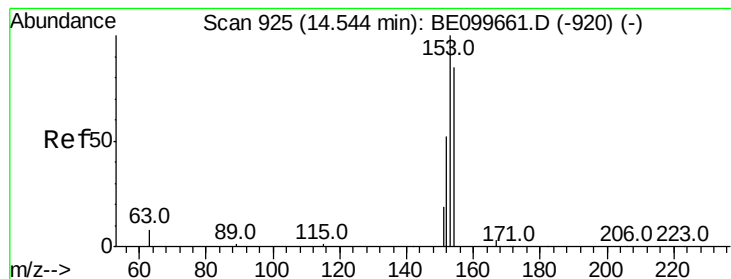


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.413 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

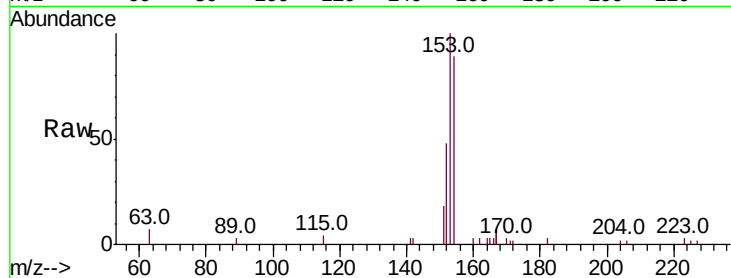
Tot Ion:154 Resp: 2849

Ion Ratio Lower Upper

154 100

153 119.4 91.8 137.6

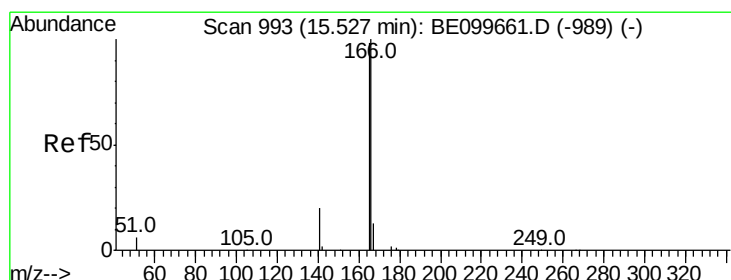
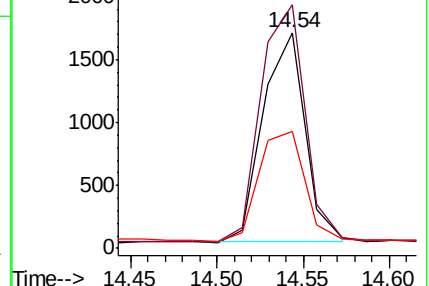
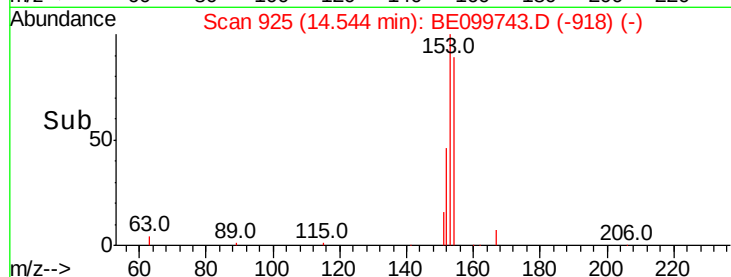
152 56.9 46.0 69.0



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: 0.400 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

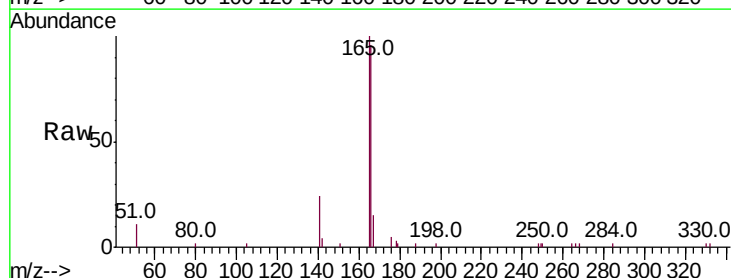
Tgt Ion:166 Resp: 4061

Ion Ratio Lower Upper

166 100

165 101.9 80.3 120.5

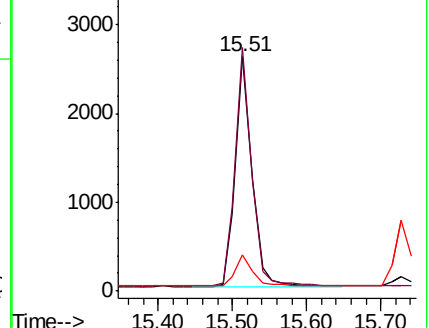
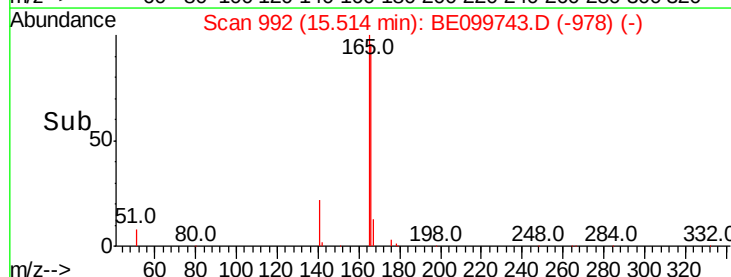
167 14.1 10.6 16.0

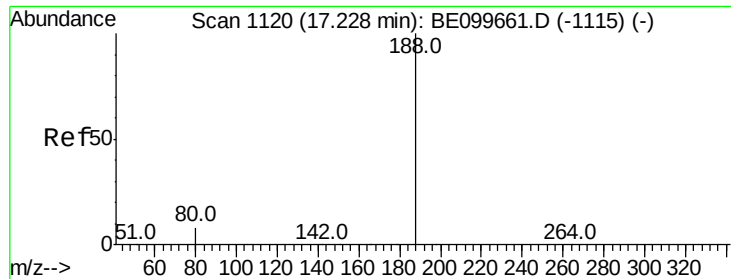


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

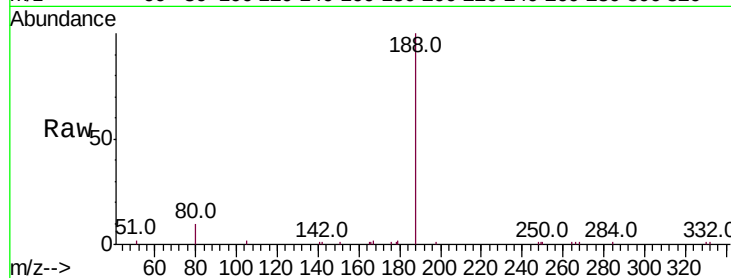
Tot Ion:188 Resp: 8144

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

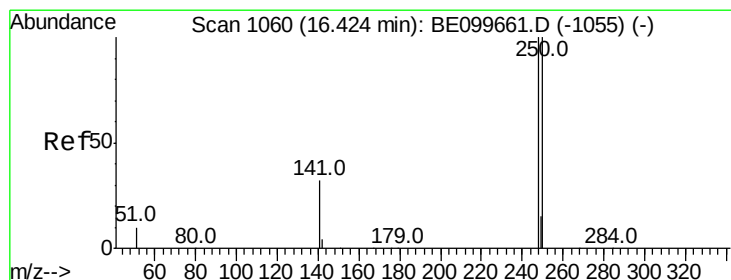
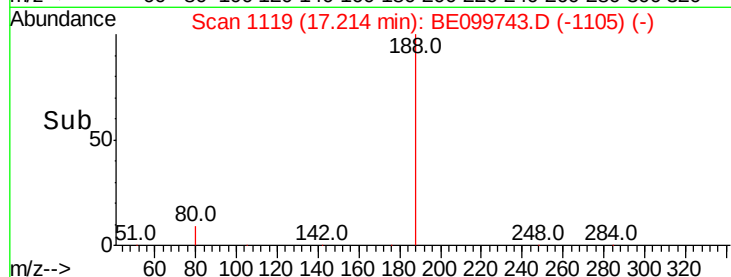
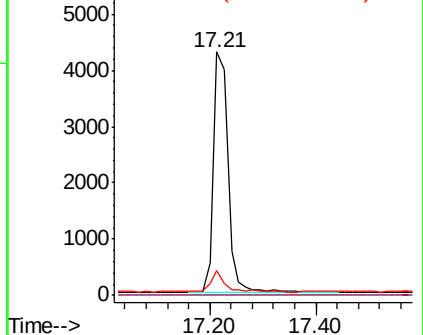
80 10.2 6.7 10.1#



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: 0.381 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

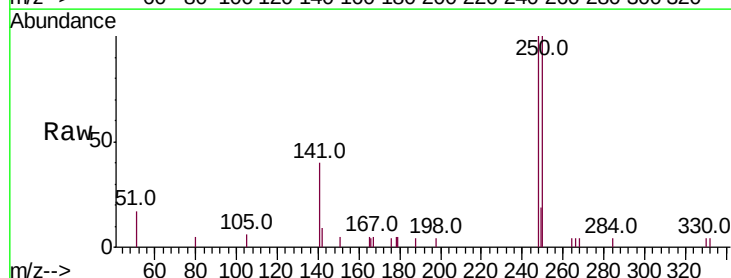
Tgt Ion:248 Resp: 1790

Ion Ratio Lower Upper

248 100

250 100.3 79.8 119.8

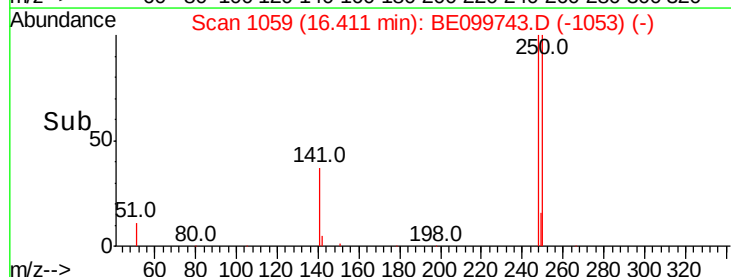
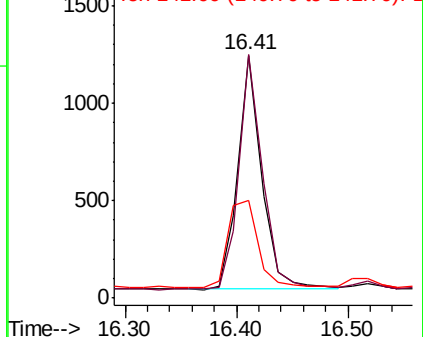
141 40.2 27.0 40.6

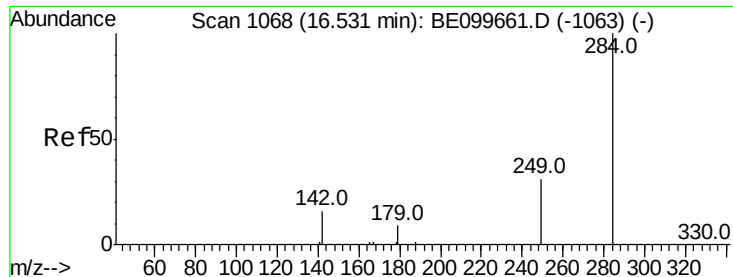


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.373 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

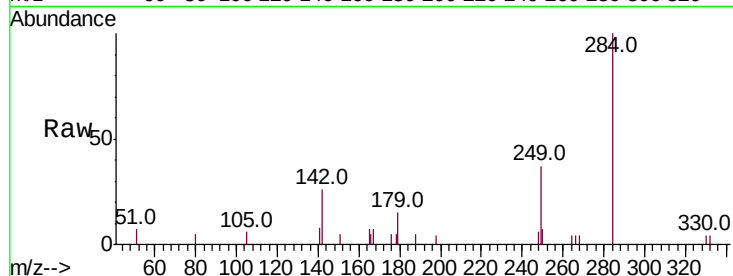
Tot Ion:284 Resp: 1790

Ion Ratio Lower Upper

284 100

142 25.1 17.8 26.6

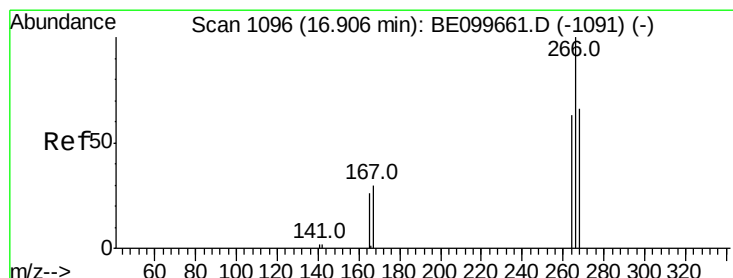
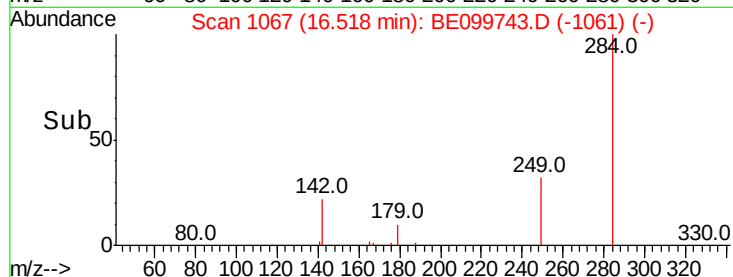
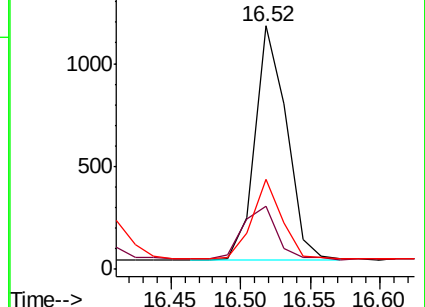
249 31.9 24.8 37.2



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: 1.272 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

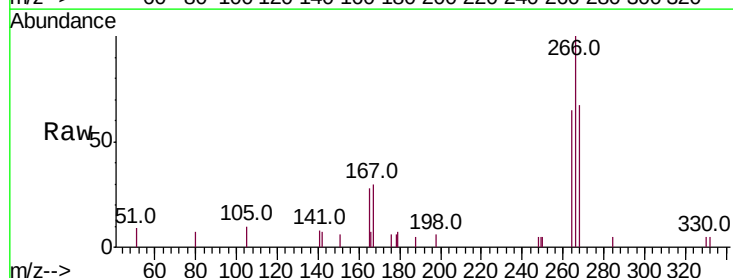
Tgt Ion:266 Resp: 1811

Ion Ratio Lower Upper

266 100

264 65.1 57.2 85.8

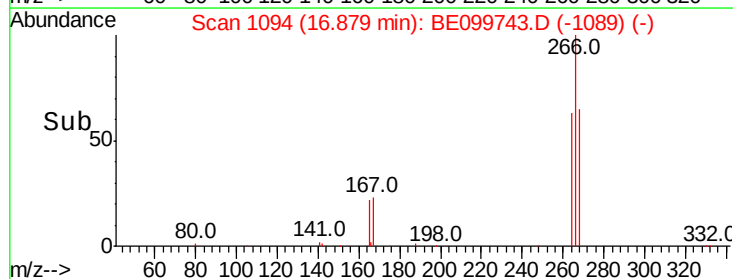
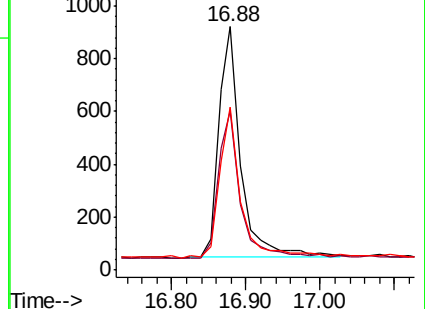
268 66.8 60.5 90.7

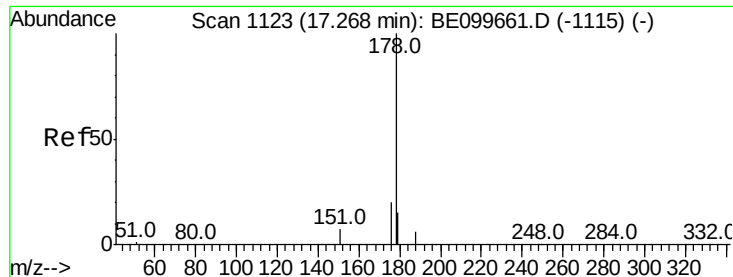


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.397 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

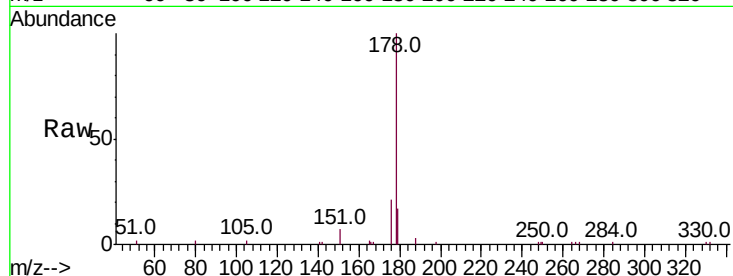
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 7896

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.6	23.4
179	16.0	12.2	18.4

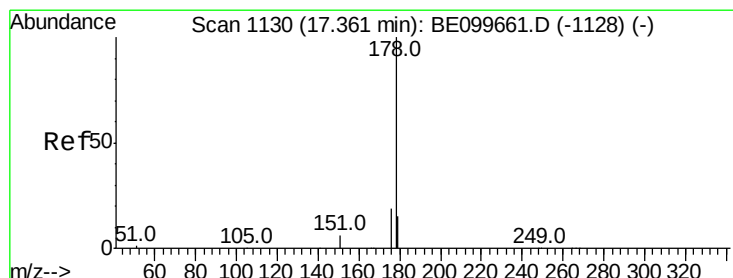
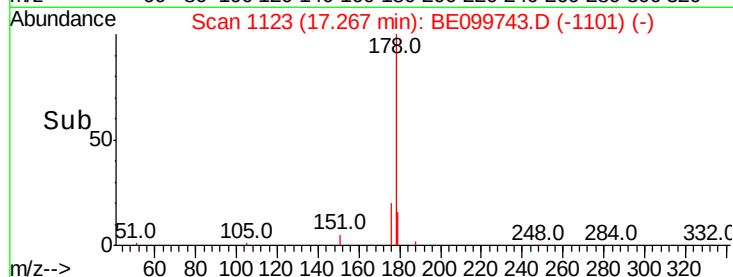
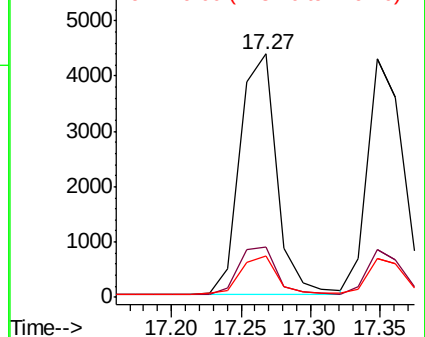


Abundance

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: 0.411 ng

RT: 17.35 min Scan# 1129

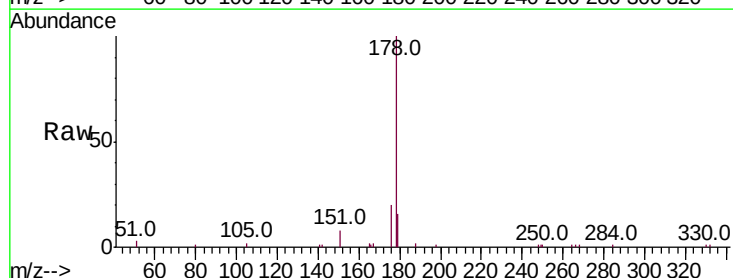
Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Tgt Ion:178 Resp: 7425

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.3	12.0	18.0

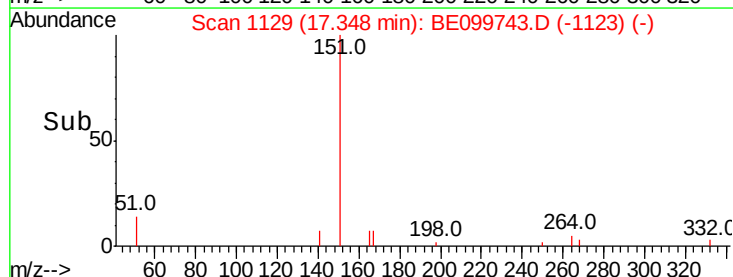
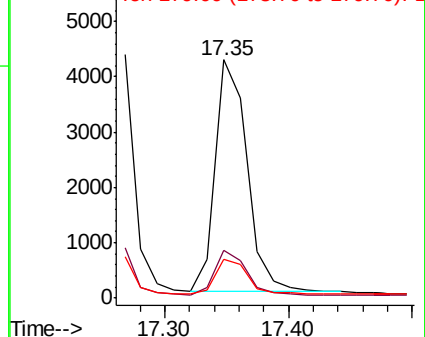


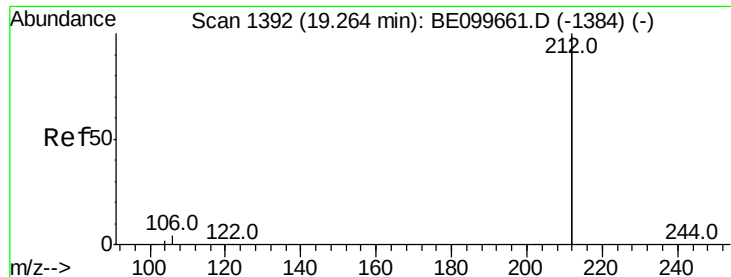
Abundance

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: 0.392 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

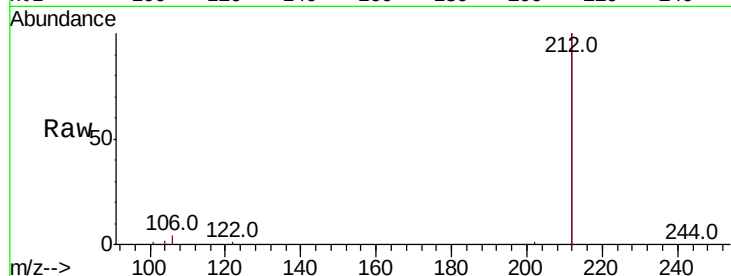
Tot Ion:212 Resp: 43601

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

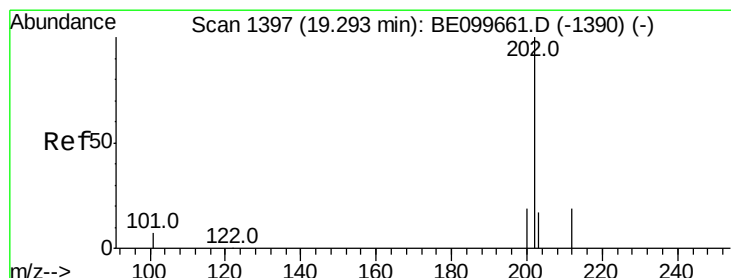
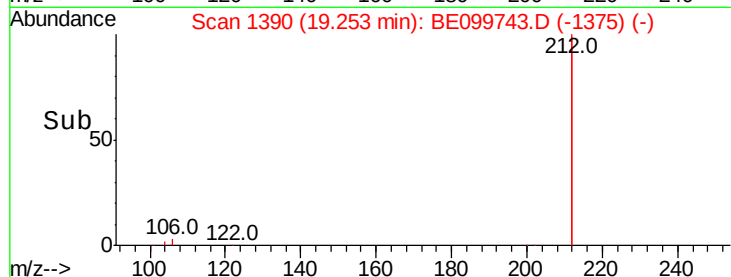
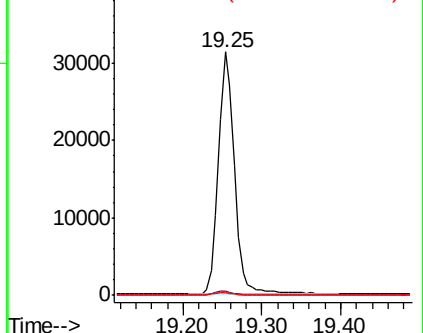
104 1.1 0.8 1.2



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: 0.416 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

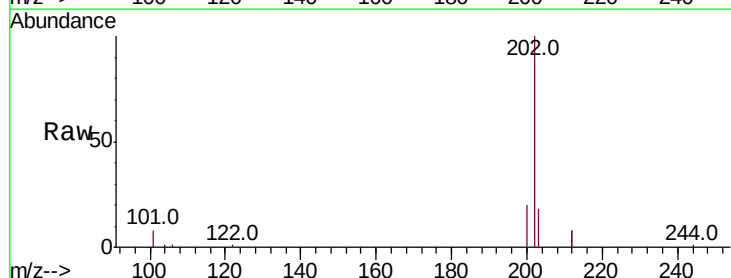
Tgt Ion:202 Resp: 13087

Ion Ratio Lower Upper

202 100

101 7.2 5.2 7.8

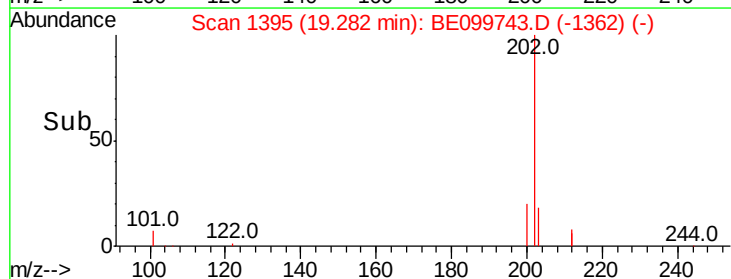
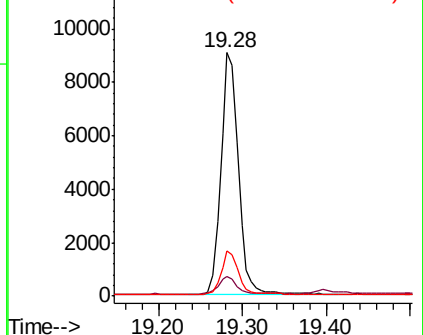
203 17.4 13.8 20.6

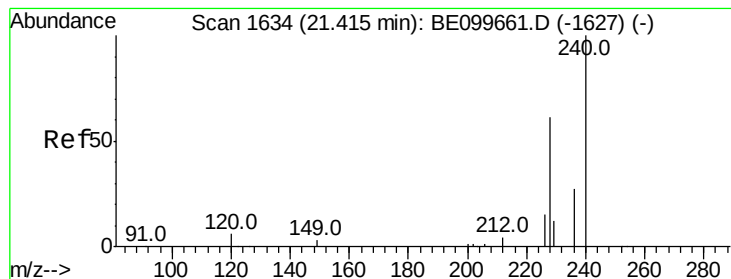


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

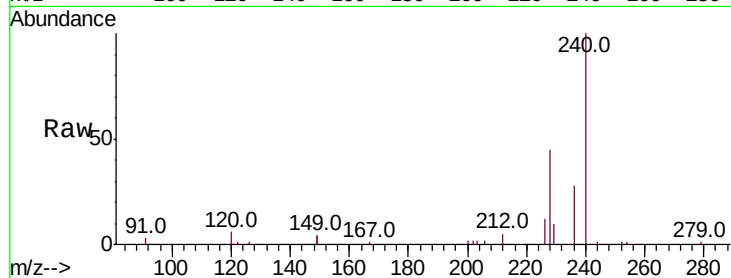
Tot Ion:240 Resp: 13646

Ion Ratio Lower Upper

240 100

120 5.9 5.4 8.0

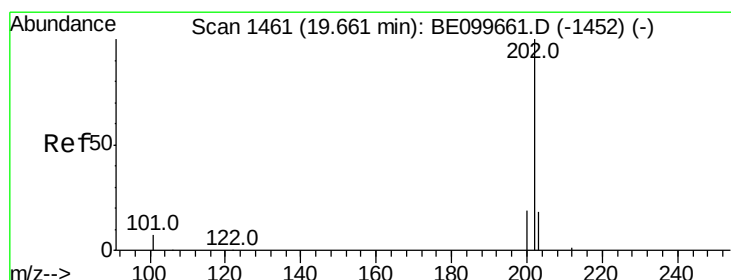
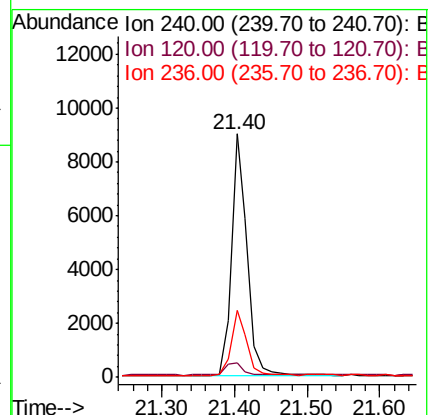
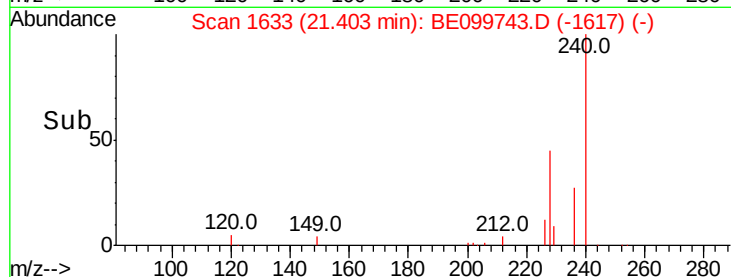
236 27.5 21.7 32.5



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: 0.410 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

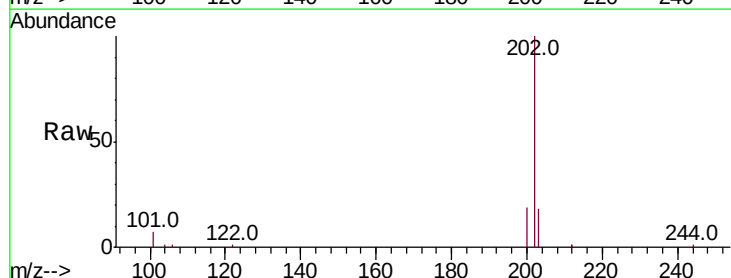
Tgt Ion:202 Resp: 14053

Ion Ratio Lower Upper

202 100

200 19.5 15.4 23.2

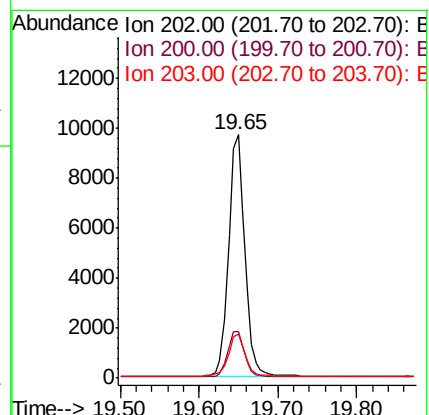
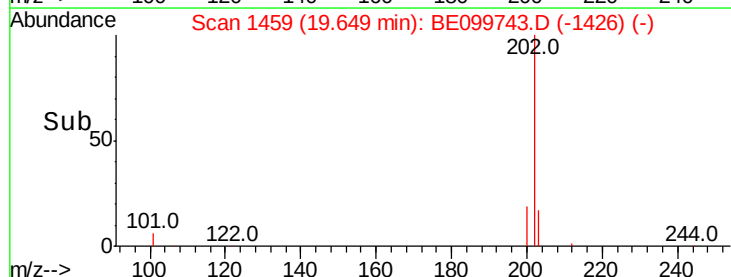
203 17.9 13.8 20.8

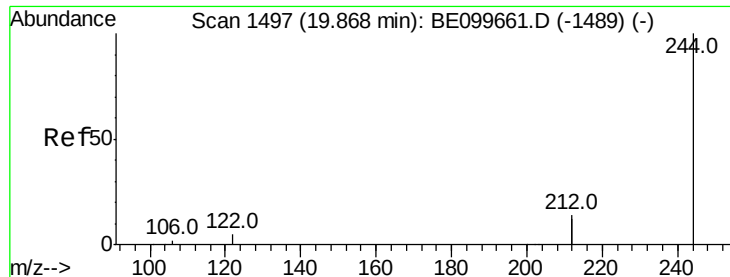


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

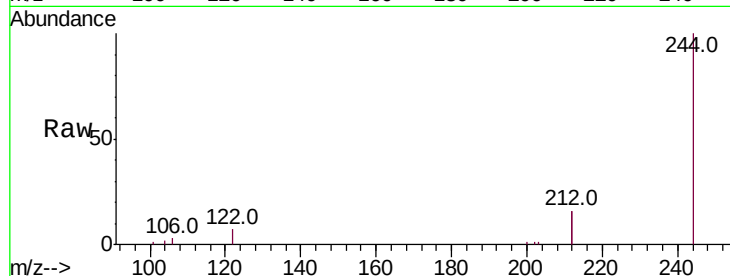
Tot Ion:244 Resp: 9501

Ion Ratio Lower Upper

244 100

212 31.1 22.5 33.7

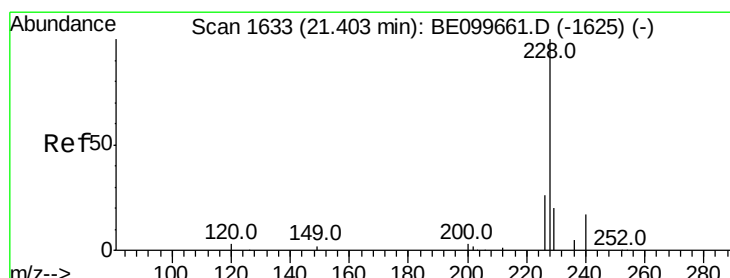
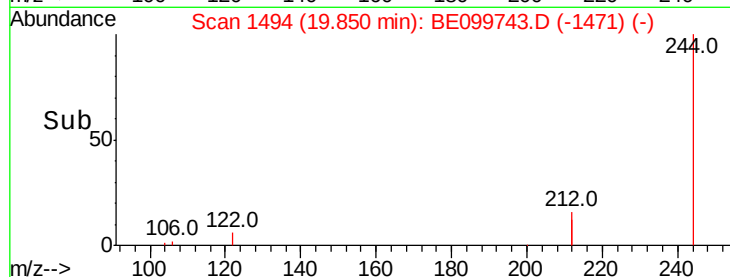
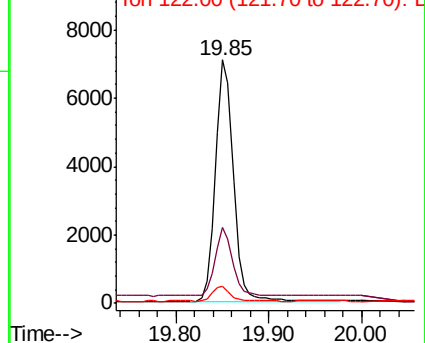
122 7.1 4.3 6.5#



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: 0.476 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

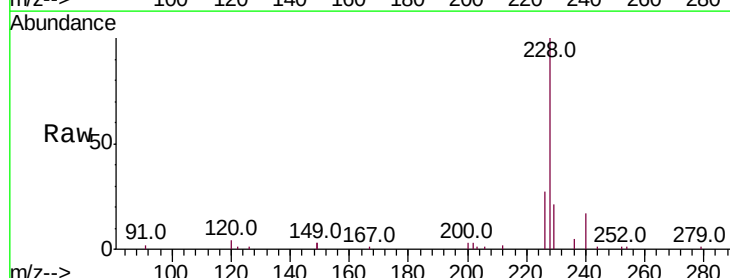
Tgt Ion:228 Resp: 18476

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

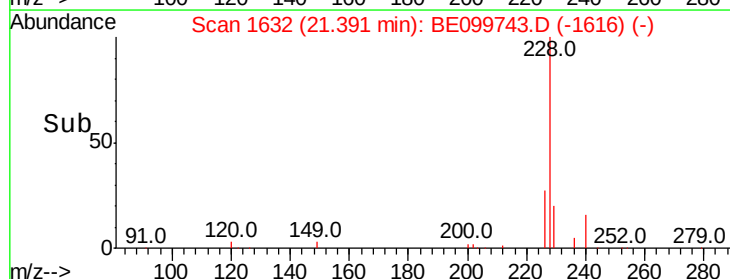
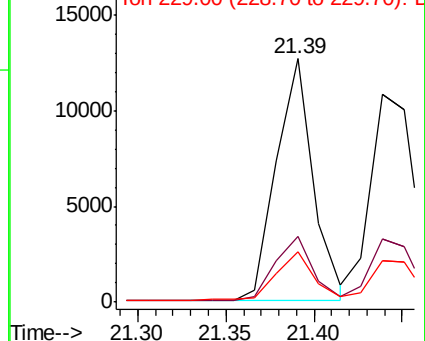
229 20.7 16.1 24.1

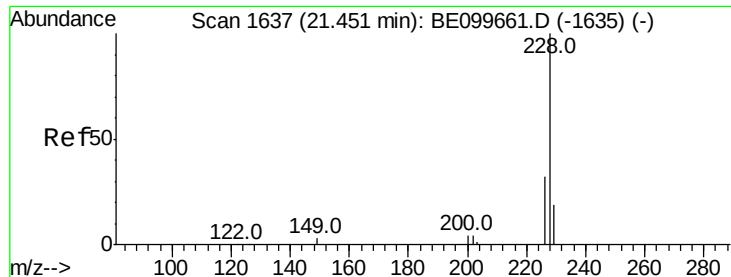


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.443 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

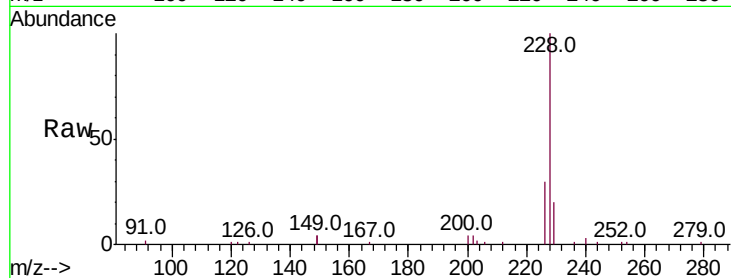
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 18355

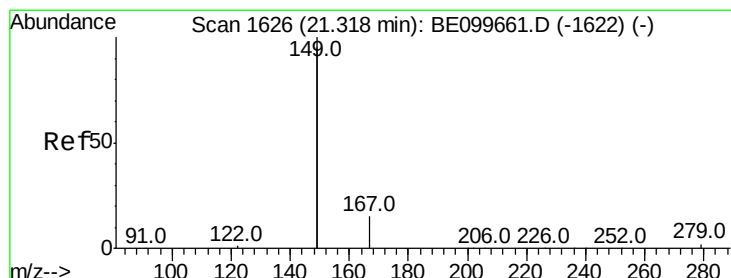
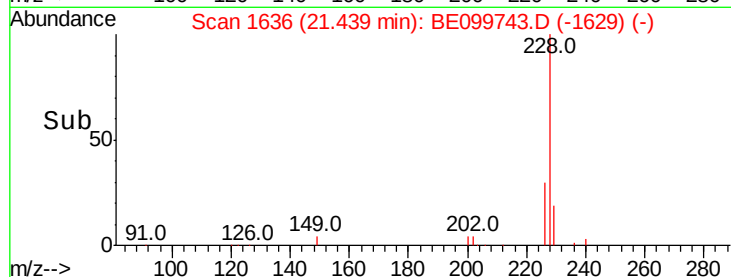
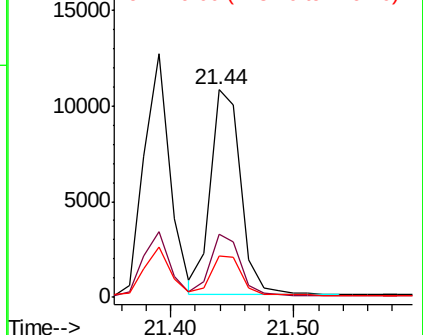
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.8	15.8	23.6



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: 0.704 ng

RT: 21.31 min Scan# 1625

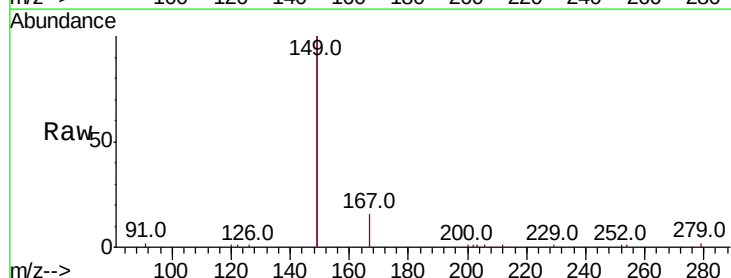
Delta R.T. -0.01 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Tgt Ion:149 Resp: 31461

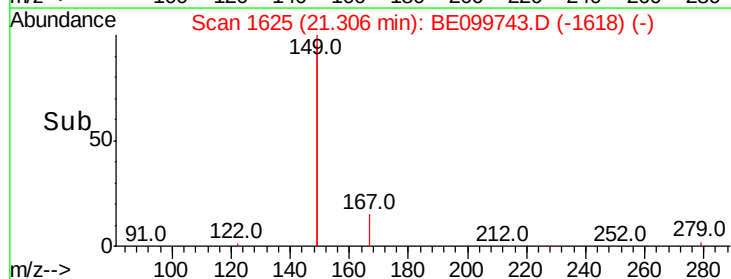
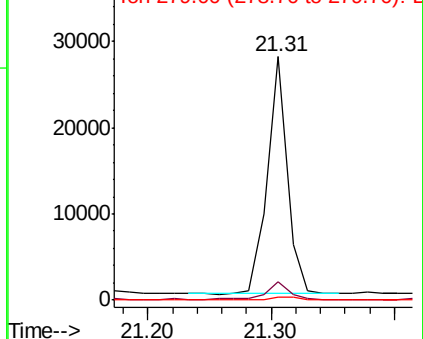
Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.4	1.2	1.8

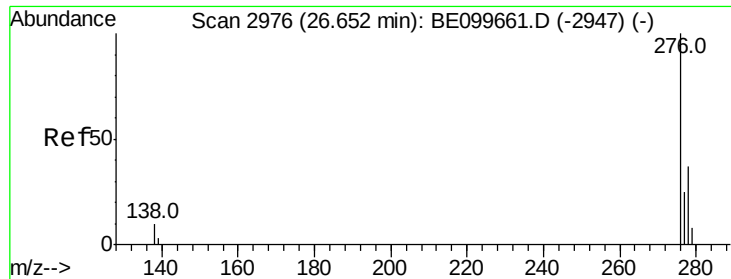


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.460 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

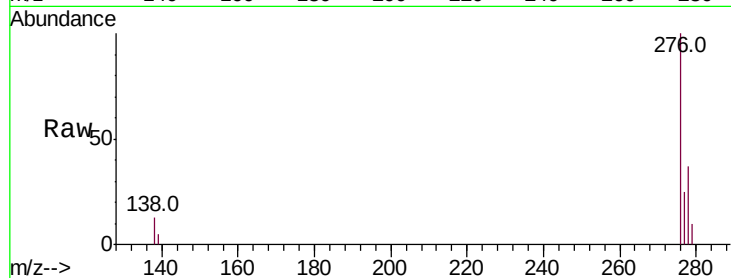
Tot Ion:276 Resp: 23006

Ion Ratio Lower Upper

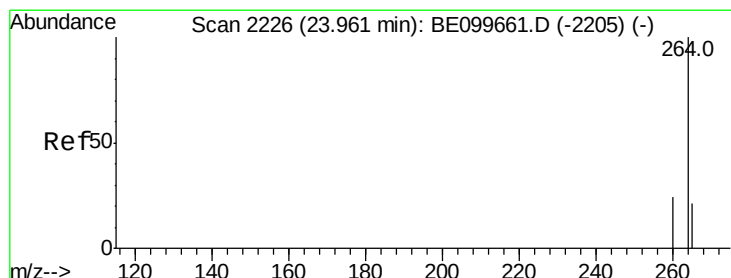
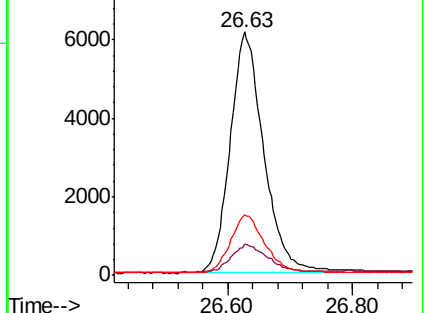
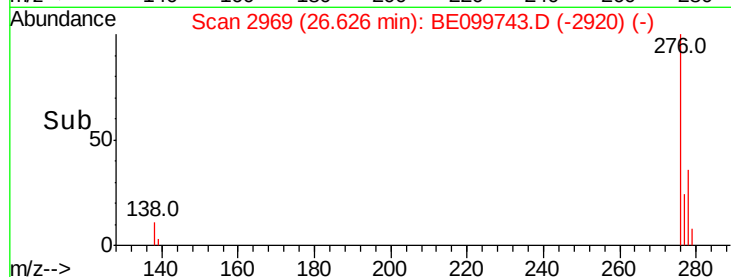
276 100

138 12.4 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: 23.94 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

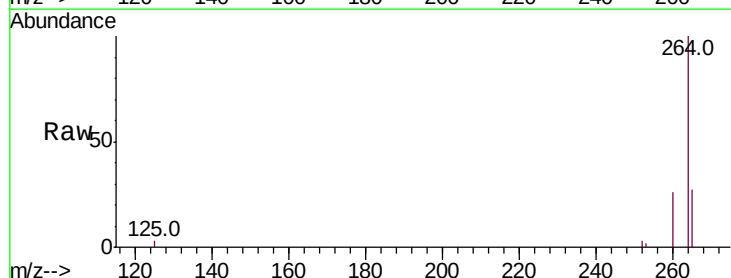
Tgt Ion:264 Resp: 16565

Ion Ratio Lower Upper

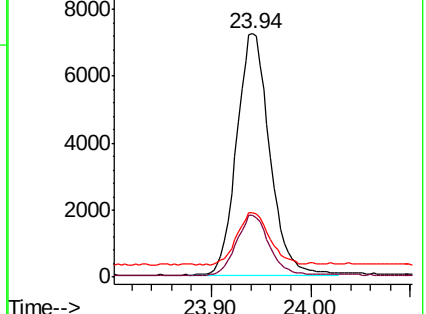
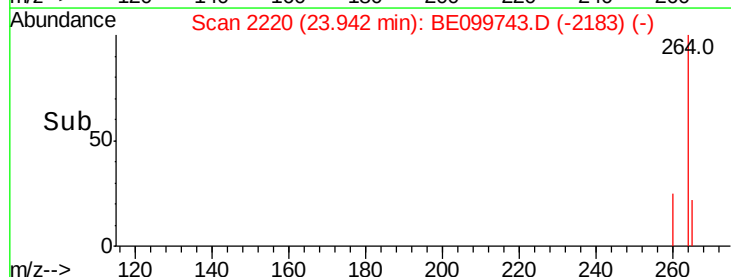
264 100

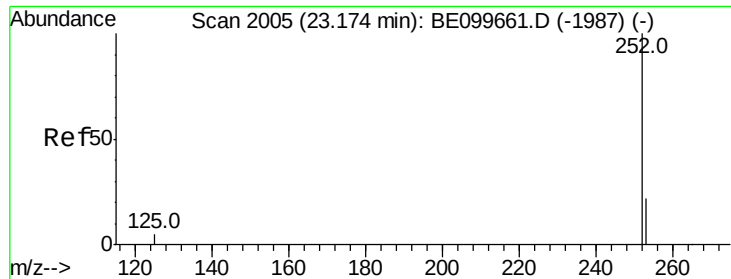
260 25.5 19.6 29.4

265 26.5 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: 0.428 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.03 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

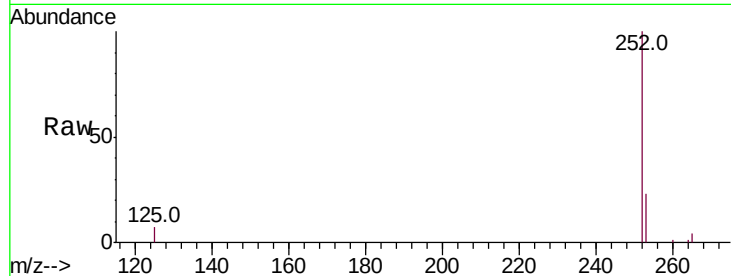
Tot Ion:252 Resp: 19433

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.4

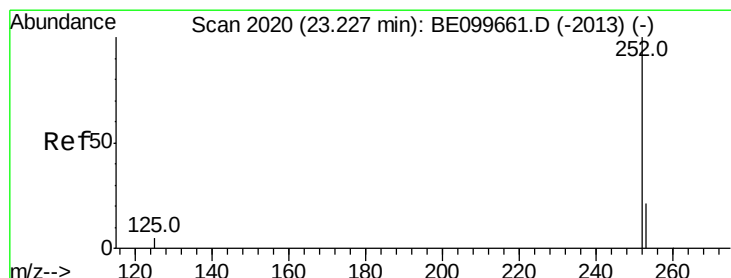
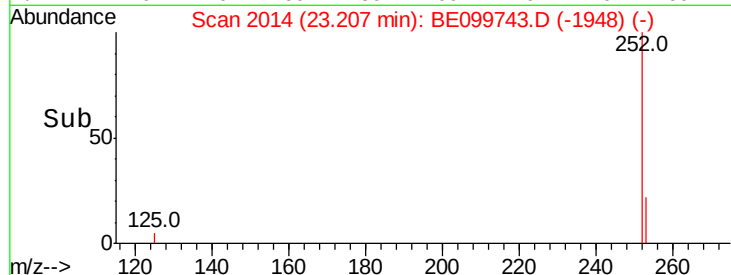
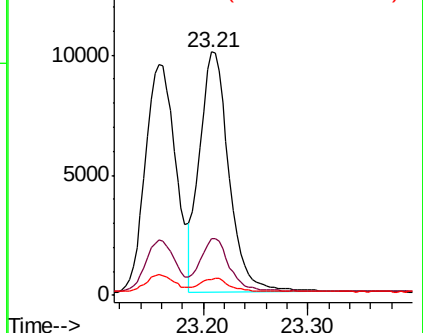
125 6.7 4.5 6.7



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: 0.411 ng

RT: 23.21 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

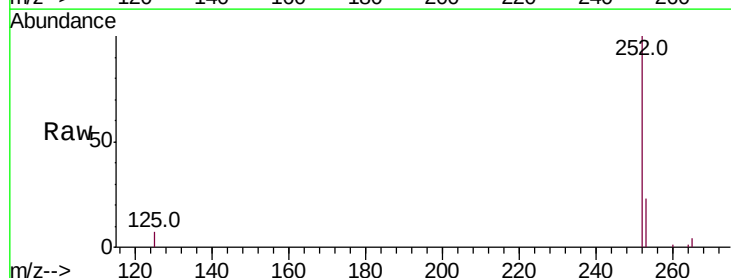
Tgt Ion:252 Resp: 19433

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

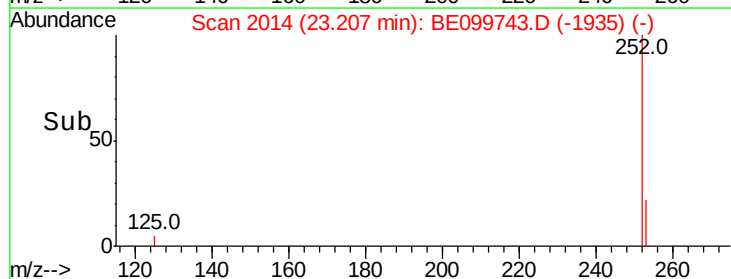
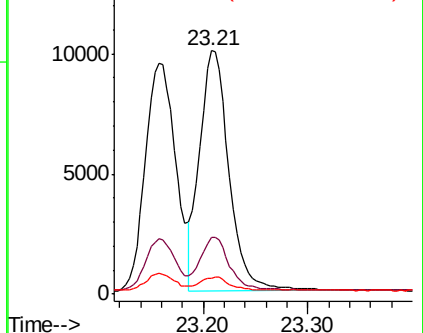
125 6.7 4.6 6.8

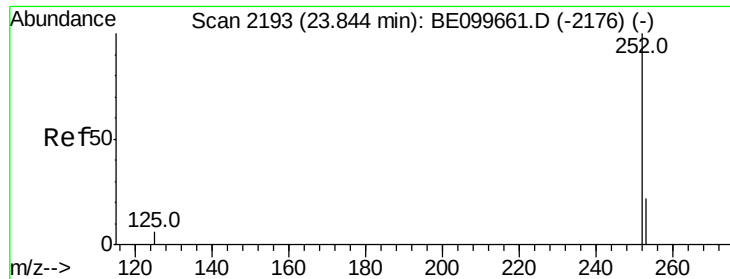


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

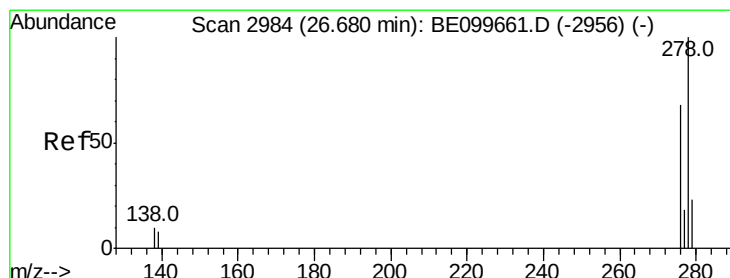
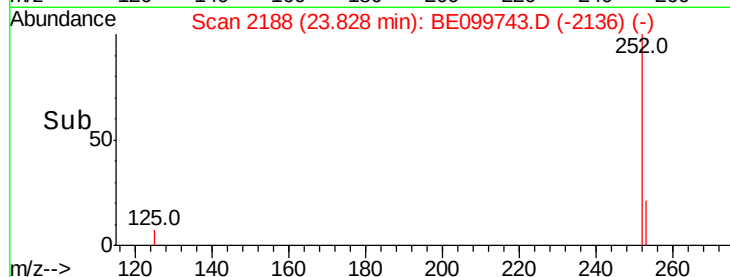
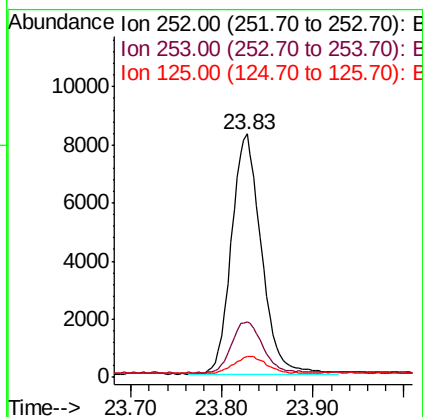
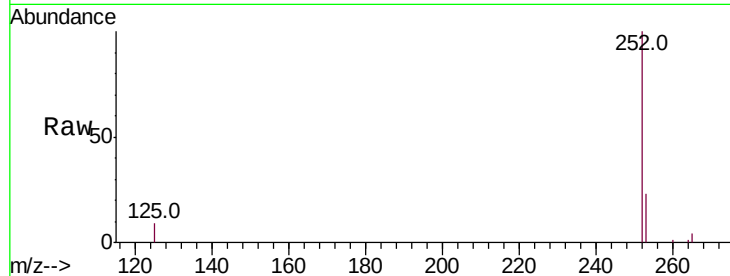




#37
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

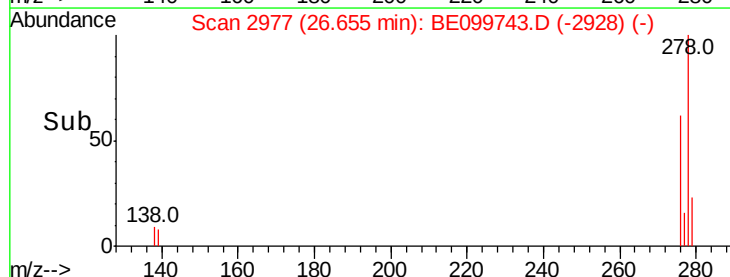
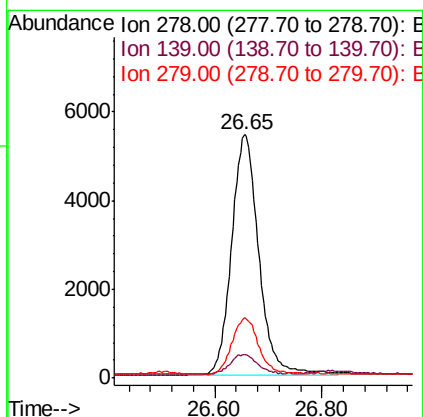
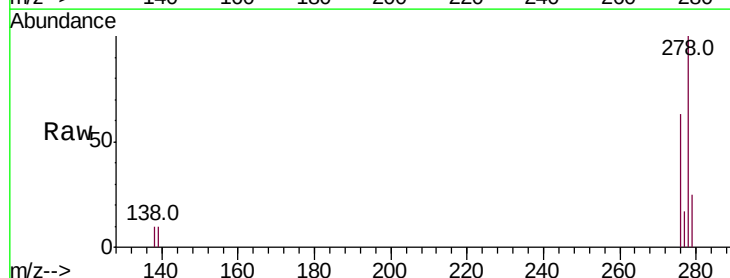
Instrument :
BNA_E
ClientSampleId :

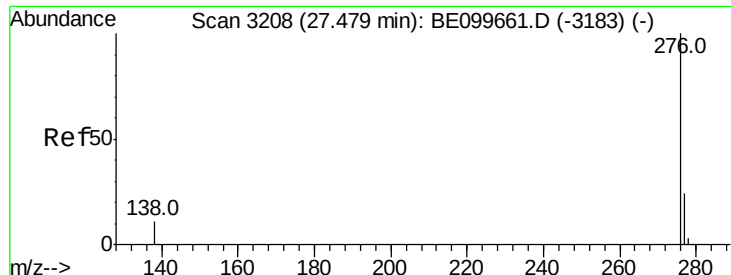
Tot Ion:252 Resp: 18906
Ion Ratio Lower Upper
252 100
253 22.9 18.9 28.3
125 8.6 5.4 8.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 26.65 min Scan# 2977
Delta R.T. -0.03 min
Lab File: BE099743.D
Acq: 24 May 2019 15:34

Tgt Ion:278 Resp: 19283
Ion Ratio Lower Upper
278 100
139 9.8 6.9 10.3
279 25.0 19.2 28.8





#39

Benzo(a,h,i)perylene

Concen: 0.423 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.03 min

Lab File: BE099743.D

Acq: 24 May 2019 15:34

Instrument :

BNA_E

ClientSampleId :

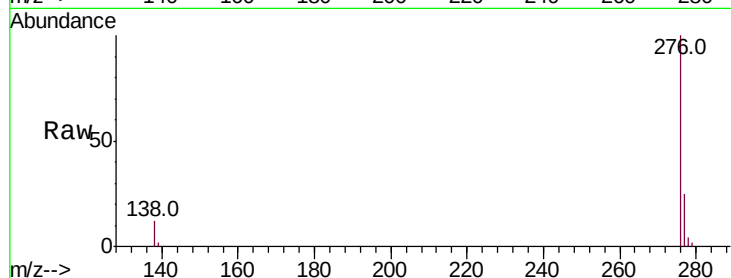
Tot Ion:276 Resp: 19588

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.6

138 11.7 9.2 13.8



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

