

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099658.D
 Acq On : 20 May 2019 9:42
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 20 15:44:28 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 15:39:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1859	0.40	ng	0.00
7) Naphthalene-d8	10.62	136	6620	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4722	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	13686	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20153	0.40	ng	0.00
34) Perylene-d12	23.96	264	25520	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1553	0.29	ng	0.00
5) Phenol-d6	6.98	99	2259	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	2033	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4037	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	794	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	6474	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	66092	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	13564	0.37	ng	0.00

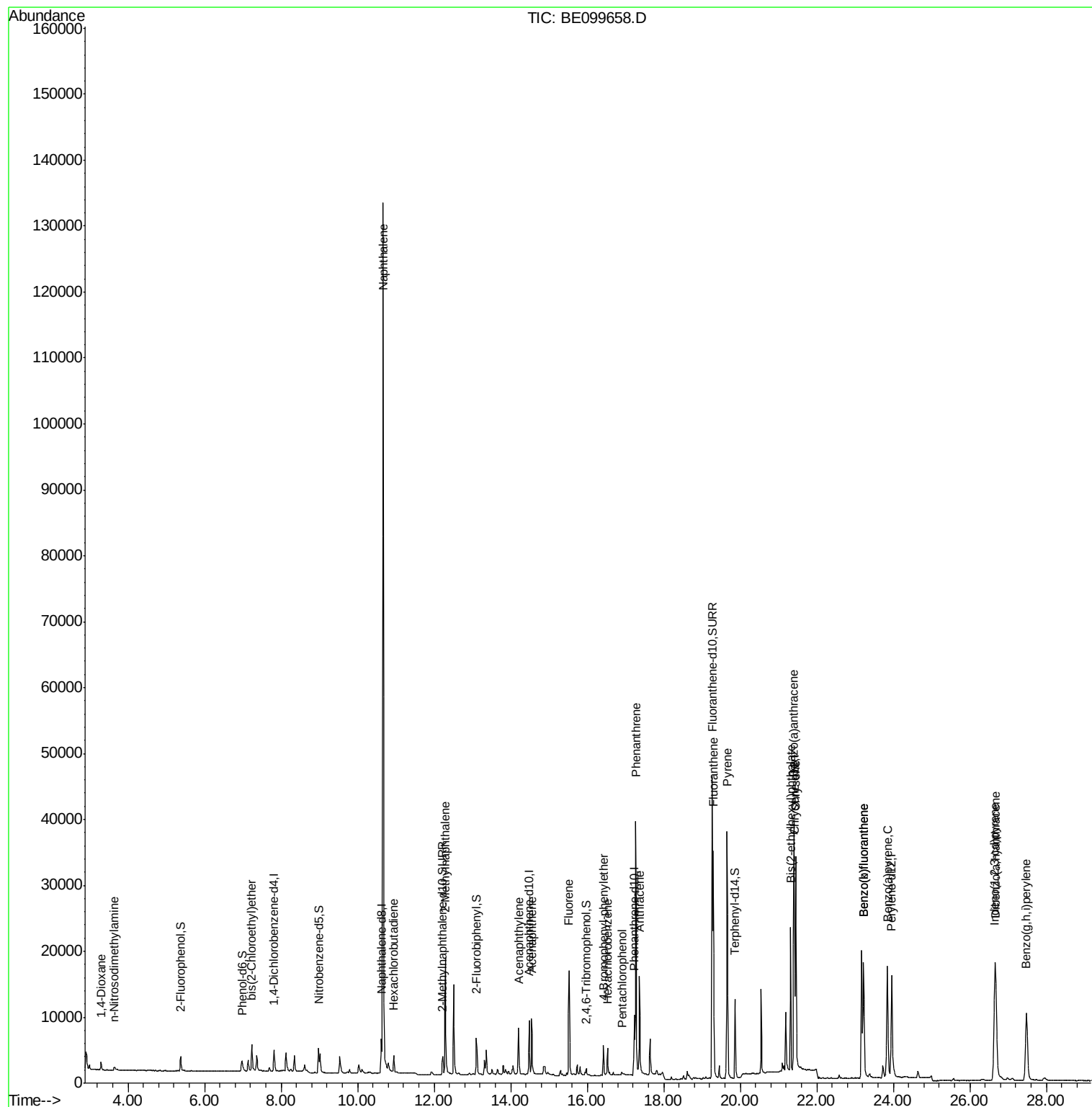
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	929	0.339	ng	95
3) n-Nitrosodimethylamine	3.64	42	424	0.243	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	1934	0.344	ng	99
9) Naphthalene	10.67	128	220168	3.125	ng	99
10) Hexachlorobutadiene	10.94	225	1902	0.369	ng	98
12) 2-Methylnaphthalene	12.30	142	14006	1.204	ng	97
16) Acenaphthylene	14.21	152	9706	0.435	ng	99
17) Acenaphthene	14.54	154	4762	0.378	ng	98
18) Fluorene	15.53	166	11356	0.629	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2803	0.355	ng	99
21) Hexachlorobenzene	16.53	284	3063	0.395	ng	99
22) Pentachlorophenol	16.91	266	587	0.190	ng	97
23) Phenanthrene	17.27	178	43316	1.275	ng	100
24) Anthracene	17.36	178	17379	0.555	ng	100
26) Fluoranthene	19.29	202	33590	0.654	ng	100
28) Pyrene	19.66	202	40117	0.781	ng	99
30) Benzo(a)anthracene	21.40	228	31941	0.524	ng	99
31) Chrysene	21.45	228	31694	0.505	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	24261	0.258	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	34729	0.445	ng	99
35) Benzo(b)fluoranthene	23.22	252	28451	0.399	ng	99
36) Benzo(k)fluoranthene	23.22	252	29231	0.415	ng	99
37) Benzo(a)pyrene	23.84	252	31000	0.449	ng	# 98
38) Dibenzo(a,h)anthracene	26.68	278	26658	0.372	ng	# 98
39) Benzo(g,h,i)perylene	27.48	276	28671	0.398	ng	99

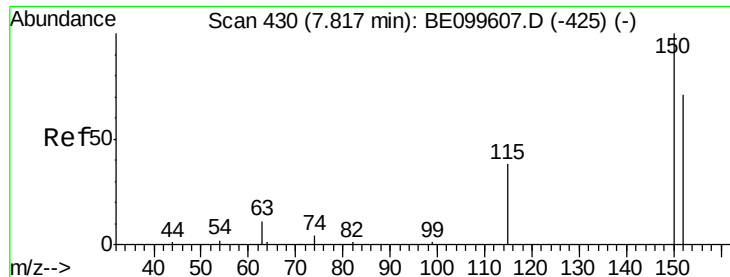
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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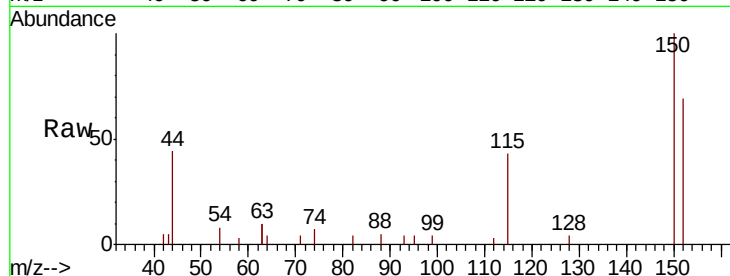


#1

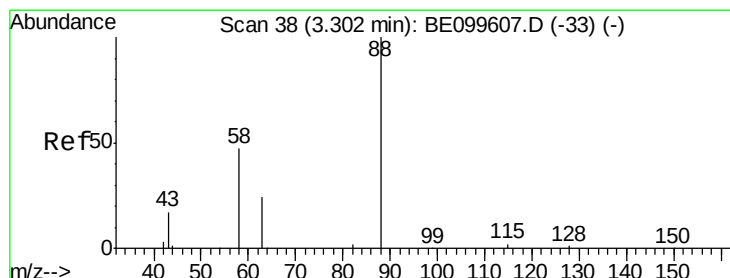
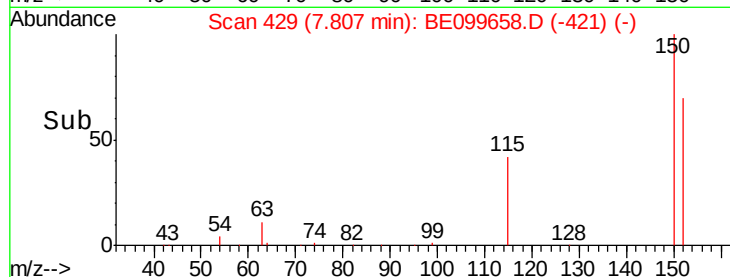
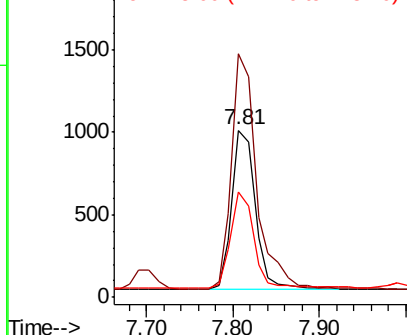
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099658.D
Acq: 20 May 2019 9:42

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 1859
Ion Ratio Lower Upper
152 100
150 145.7 109.2 163.8
115 62.8 43.7 65.5



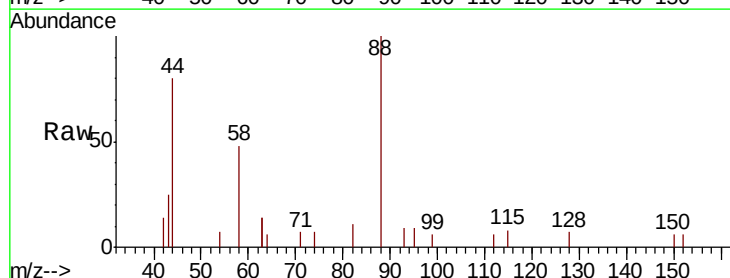
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



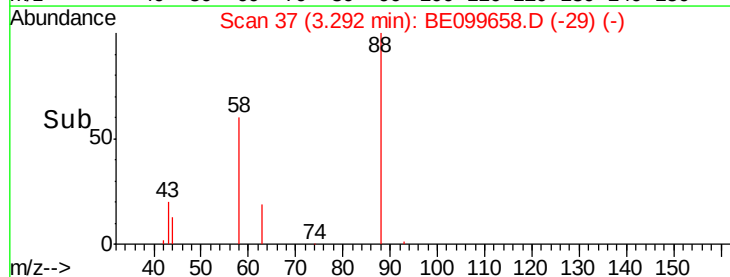
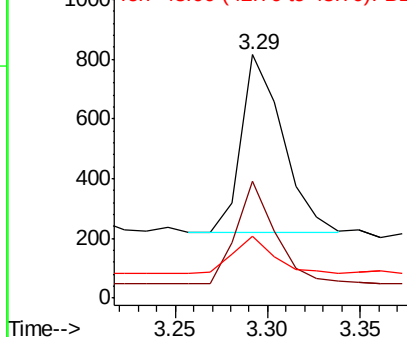
#2

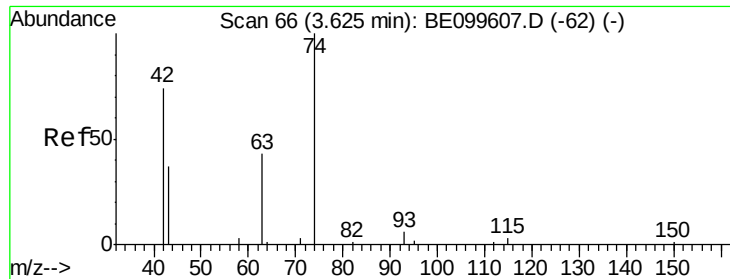
1,4-Dioxane
Concen: 0.339 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099658.D
Acq: 20 May 2019 9:42

Tgt Ion: 88 Resp: 929
Ion Ratio Lower Upper
88 100
58 55.8 41.8 62.8
43 20.8 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: 0.243 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

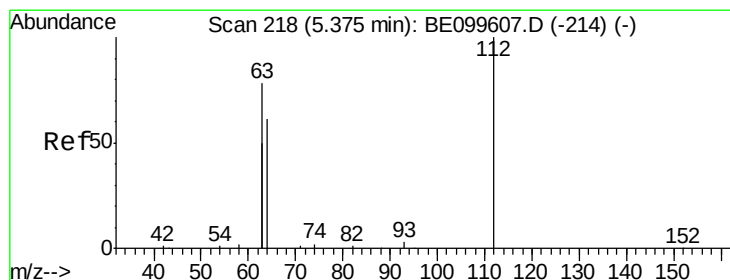
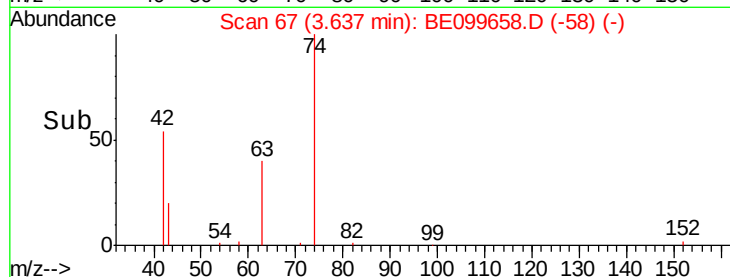
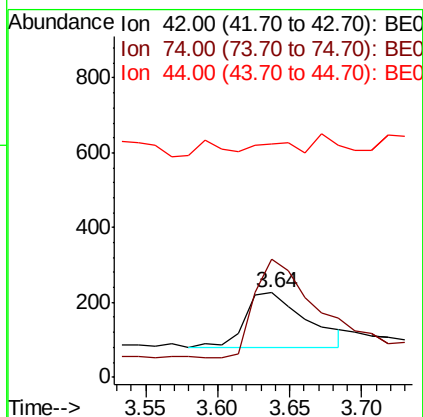
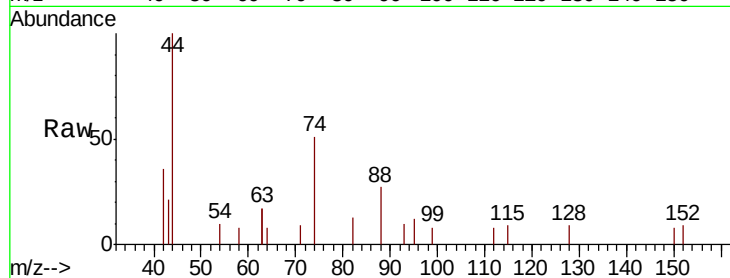
Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:	42	Resp:	424
Ion	Ratio	Lower	Upper
42	100		
74	175.9	128.4	192.6
44	11.3	0.0	0.0#



#4

2-Fluorophenol

Concen: 0.294 ng

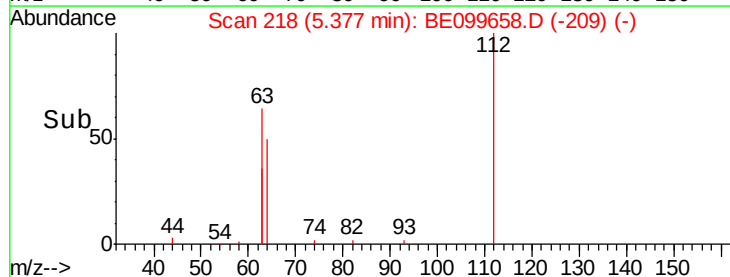
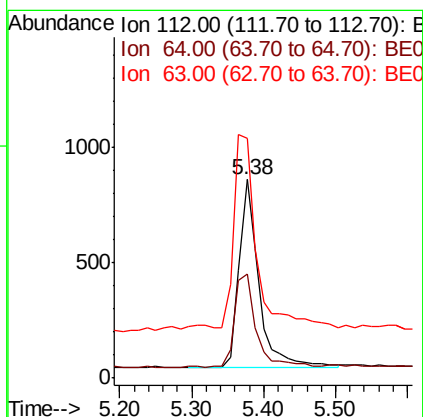
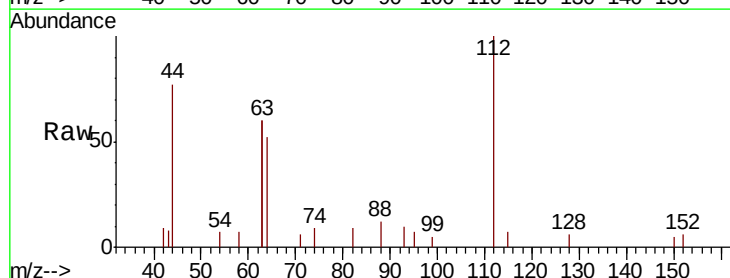
RT: 5.38 min Scan# 218

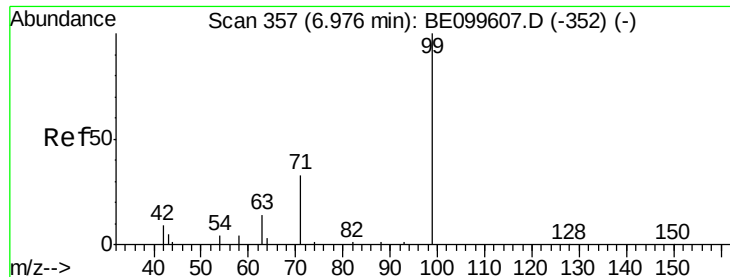
Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Tgt Ion:	112	Resp:	1553
Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.4	65.2
63	116.7	96.9	145.3





#5

Phenol-d6

Concen: 0.338 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

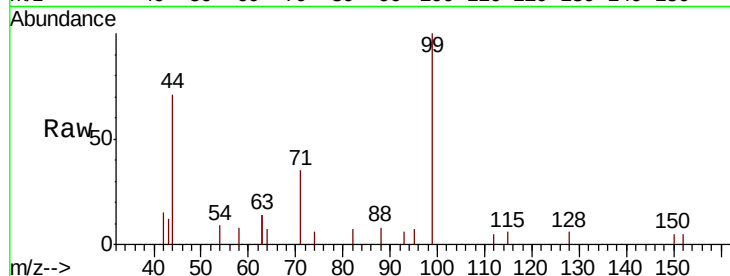
Tot Ion: 99 Resp: 2259

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

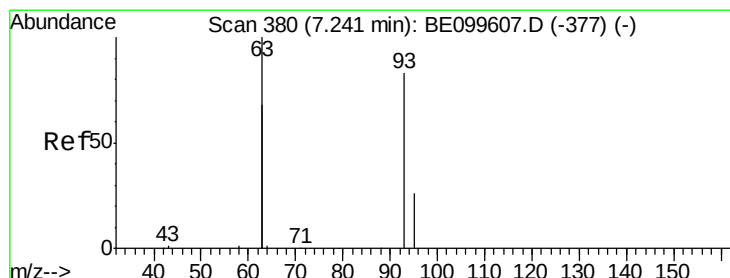
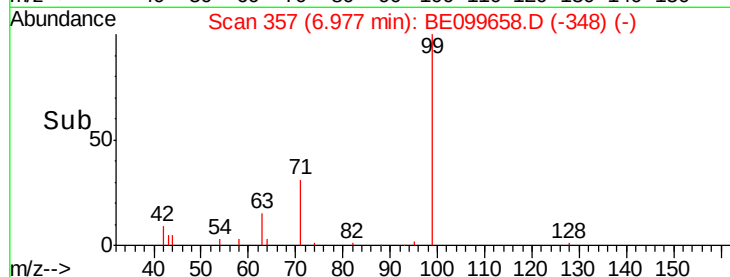
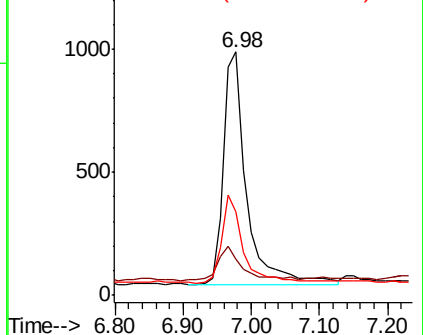
71 35.4 28.9 43.3



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: 0.344 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

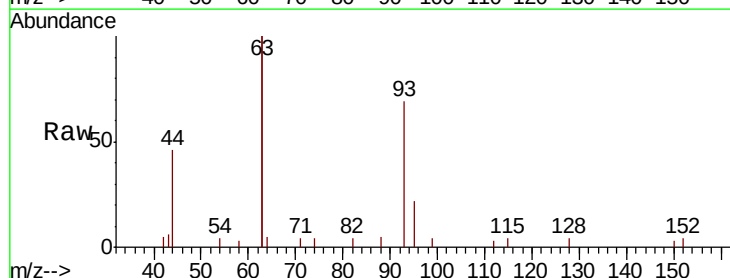
Tgt Ion: 93 Resp: 1934

Ion Ratio Lower Upper

93 100

63 257.8 207.8 311.6

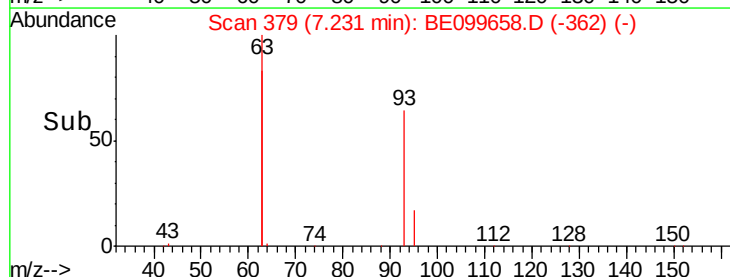
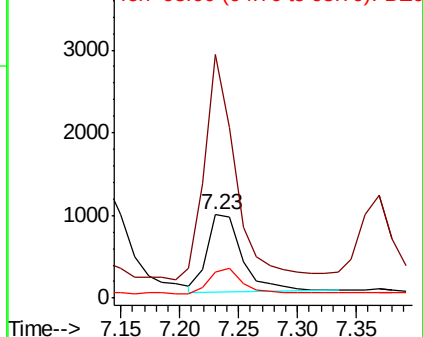
95 32.2 25.9 38.9

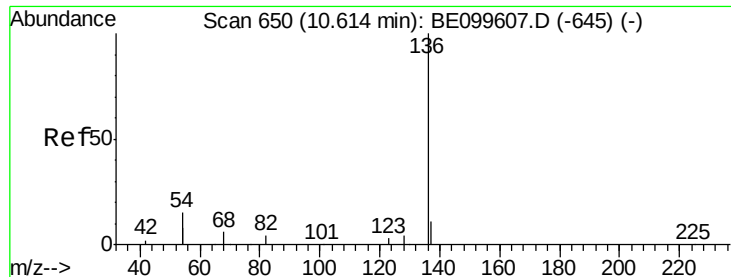


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.62 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 6620

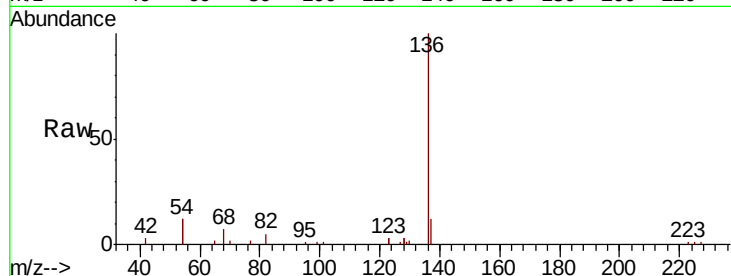
Ion Ratio Lower Upper

136 100

137 12.5 9.0 13.6

54 24.6 22.3 33.5

68 6.6 6.0 9.0

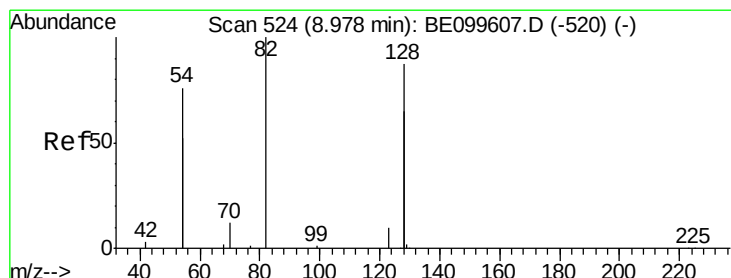
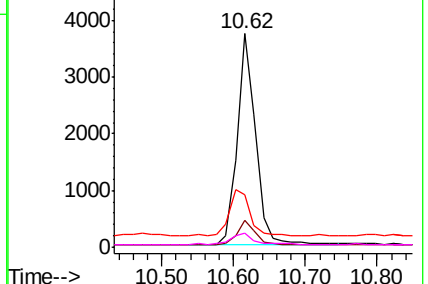
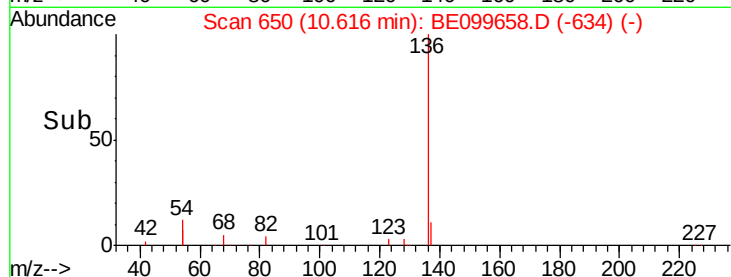


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.317 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

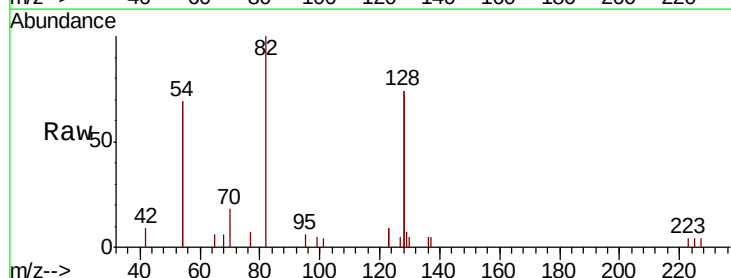
Tgt Ion: 82 Resp: 2033

Ion Ratio Lower Upper

82 100

128 147.8 117.7 176.5

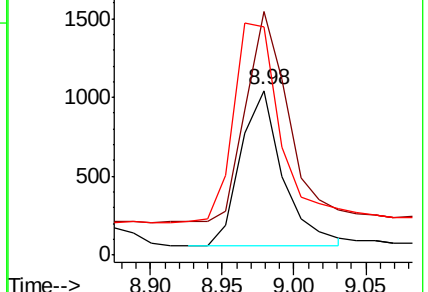
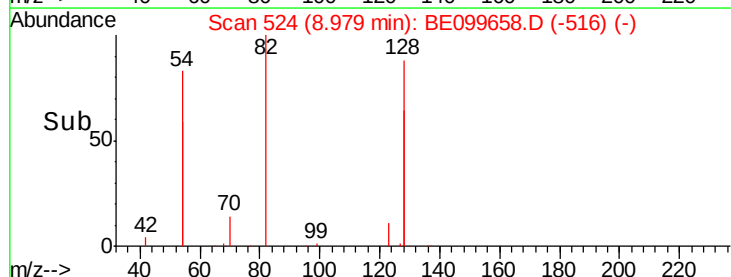
54 138.8 106.6 160.0

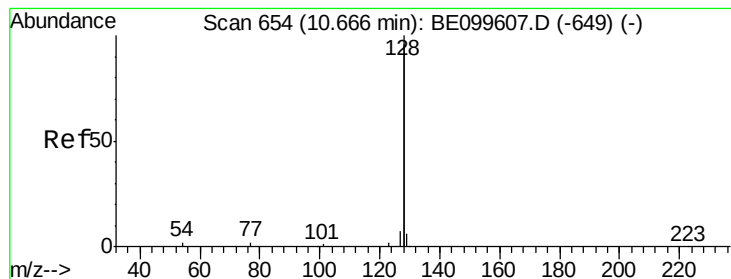


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.125 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

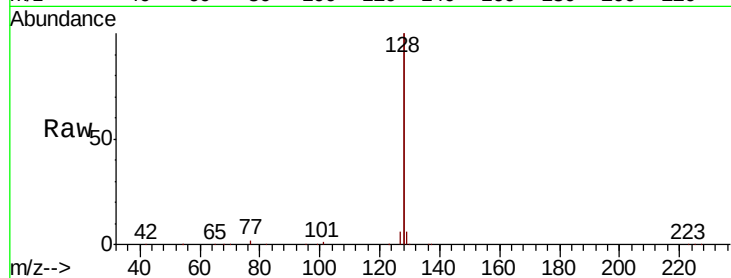
Tot Ion:128 Resp: 220168

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

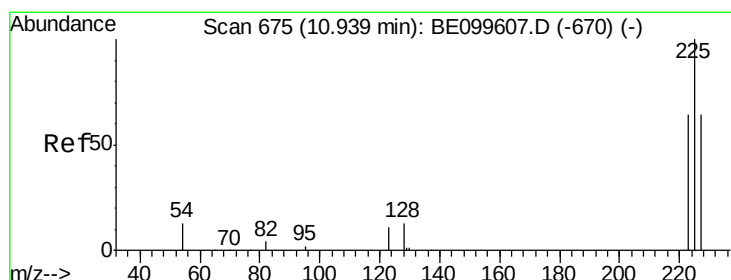
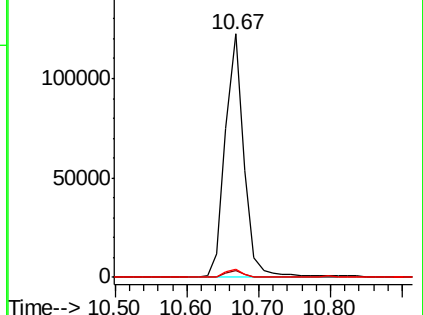
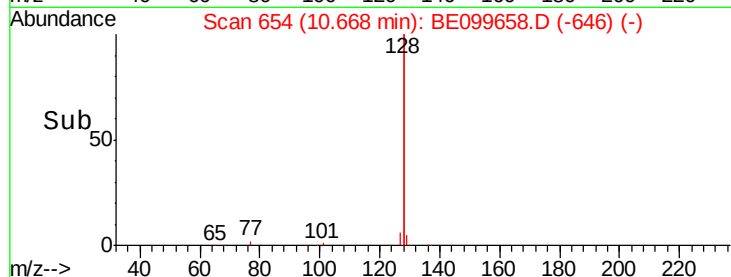
127 3.2 2.9 4.3



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: 0.369 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

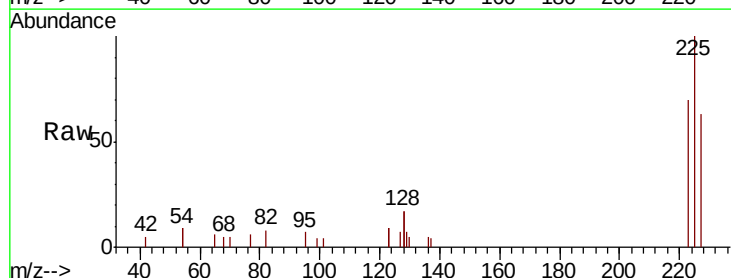
Tgt Ion:225 Resp: 1902

Ion Ratio Lower Upper

225 100

223 65.1 51.8 77.6

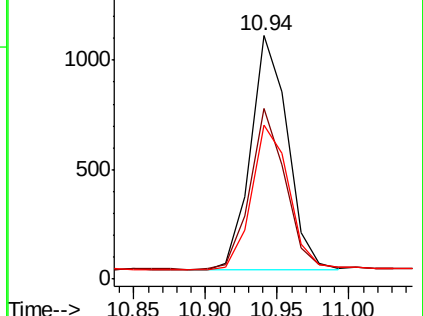
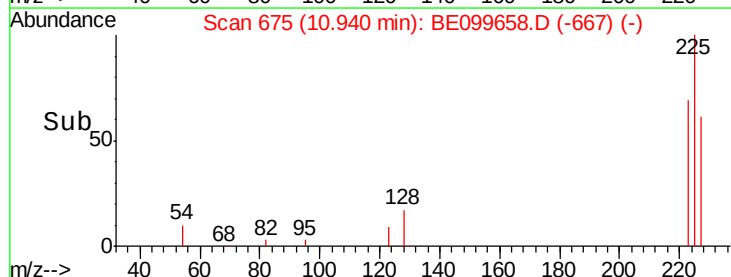
227 63.3 52.6 79.0

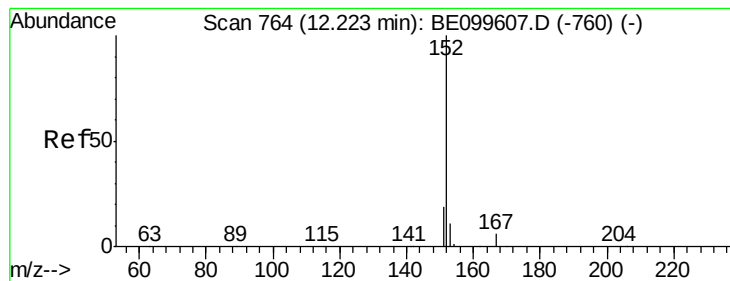


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

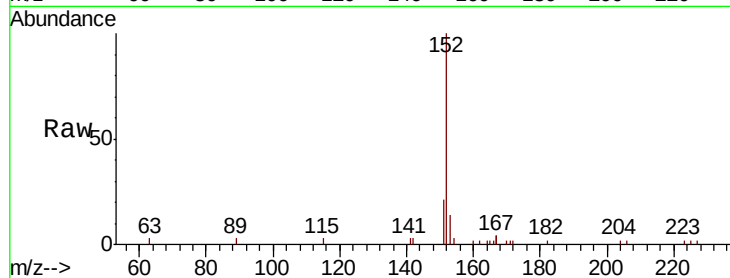
SSTDCCC0.4

Tot Ion:152 Resp: 4037

Ion Ratio Lower Upper

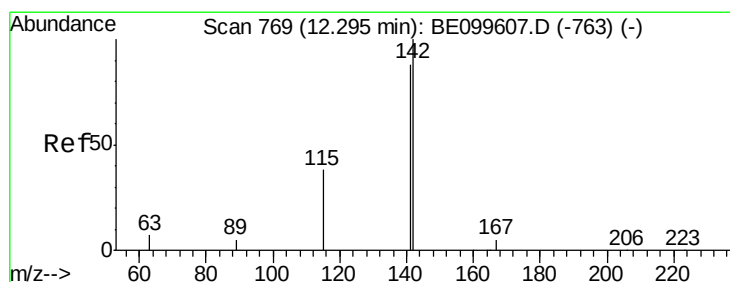
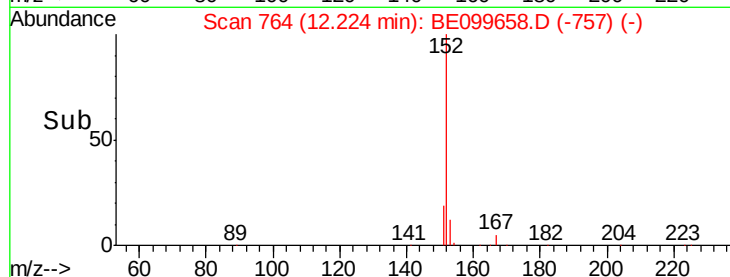
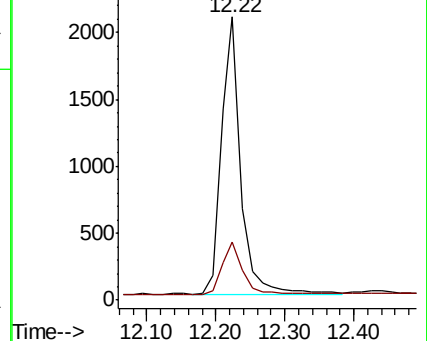
152 100

151 19.8 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: 1.204 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

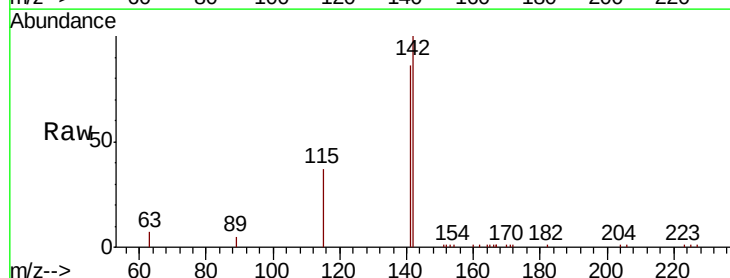
Tgt Ion:142 Resp: 14006

Ion Ratio Lower Upper

142 100

141 86.4 72.0 108.0

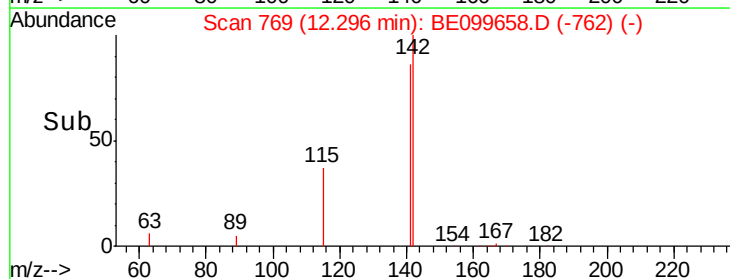
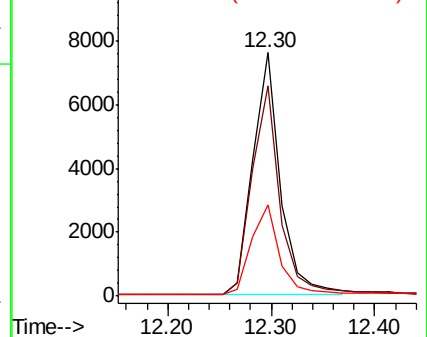
115 37.4 31.0 46.4

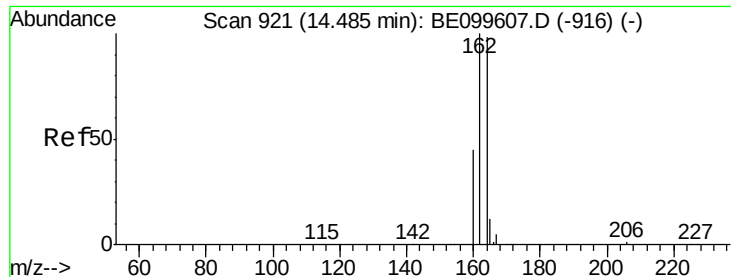


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

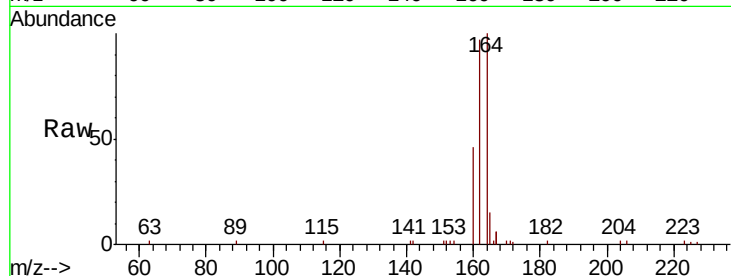




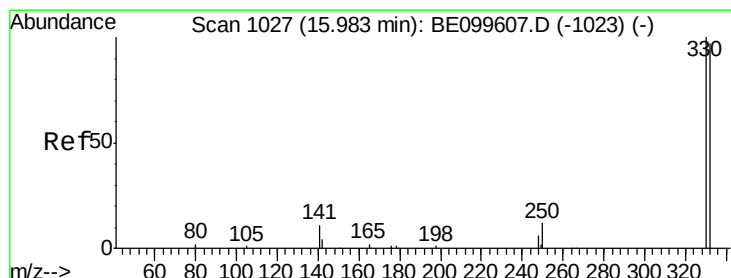
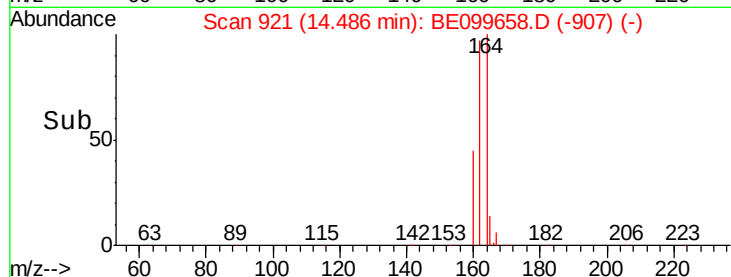
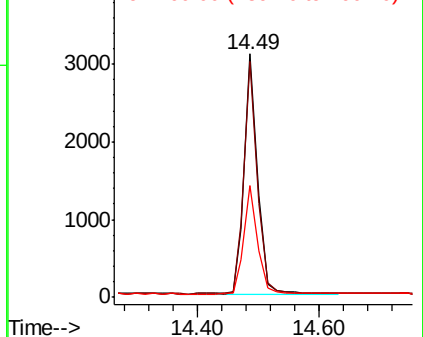
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099658.D
Acq: 20 May 2019 9:42

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:164 Resp: 4722
Ion Ratio Lower Upper
164 100
162 97.0 76.5 114.7
160 45.7 37.4 56.2

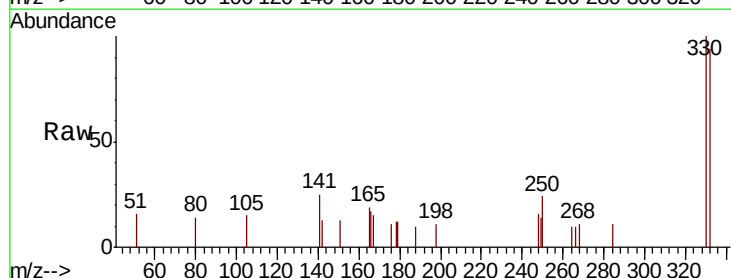


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

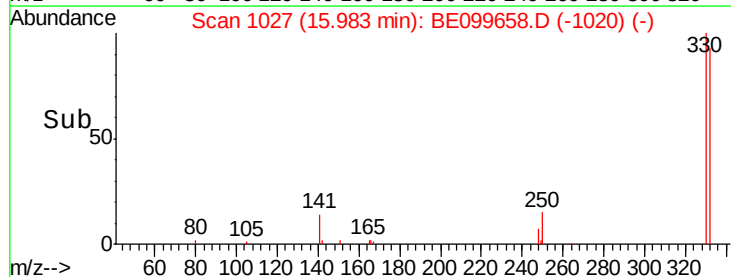
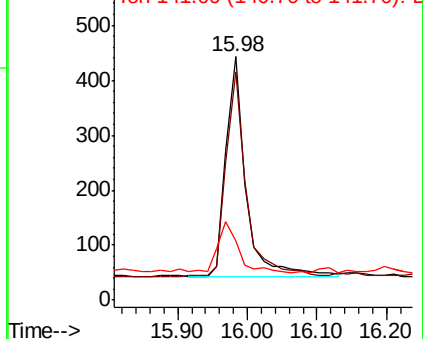


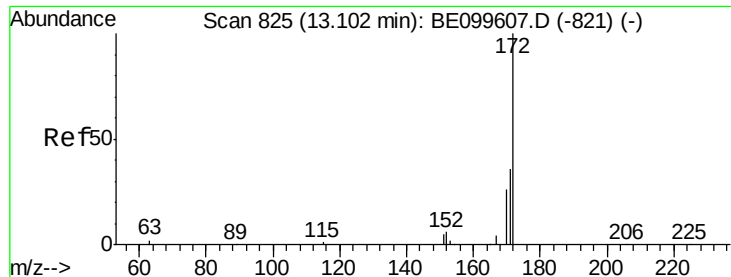
#14
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099658.D
Acq: 20 May 2019 9:42

Tgt Ion:330 Resp: 794
Ion Ratio Lower Upper
330 100
332 91.6 77.3 115.9
141 24.8 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: 0.356 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

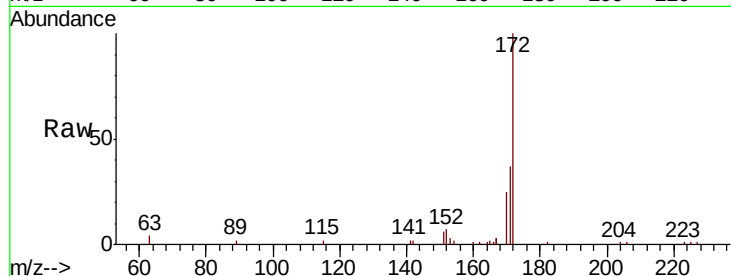
Tot Ion:172 Resp: 6474

Ion Ratio Lower Upper

172 100

171 36.5 28.7 43.1

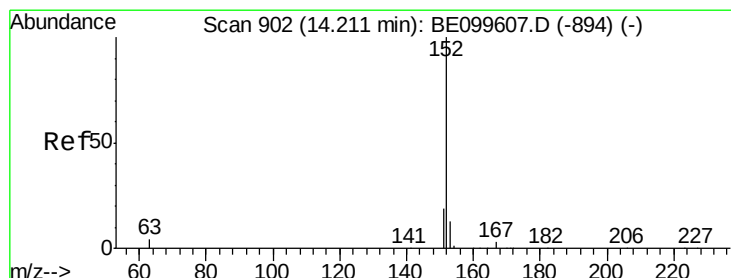
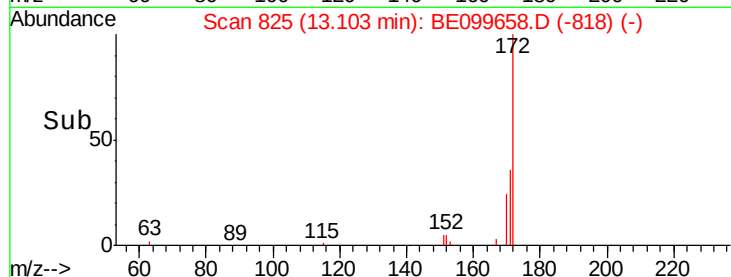
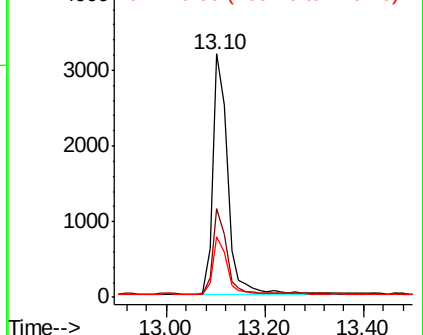
170 25.0 20.9 31.3



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: 0.435 ng

RT: 14.21 min Scan# 902

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

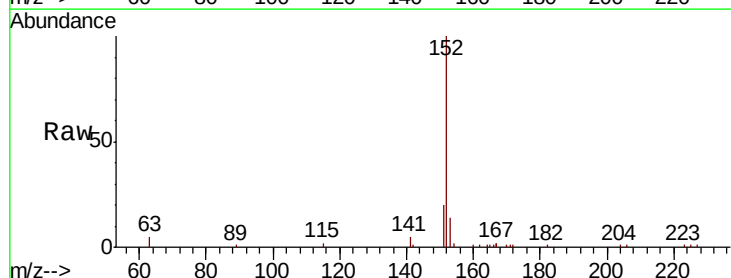
Tgt Ion:152 Resp: 9706

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

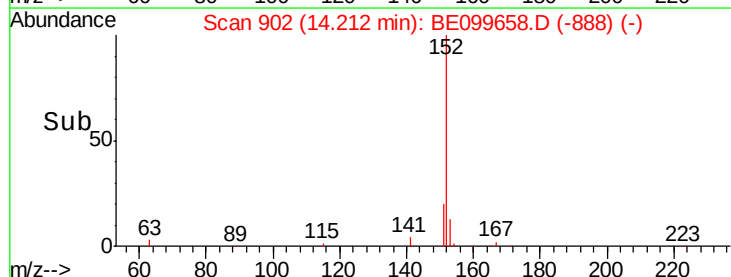
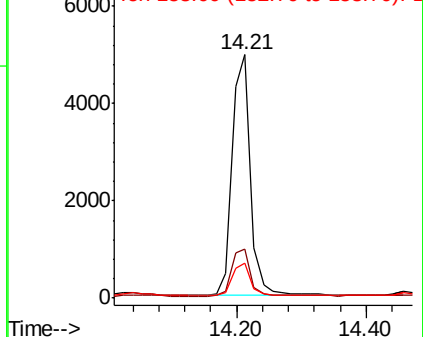
153 13.4 10.6 16.0

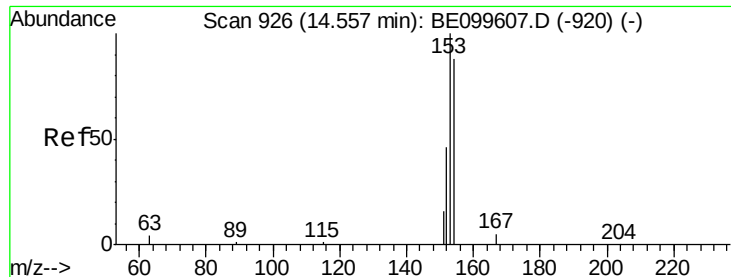


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.378 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

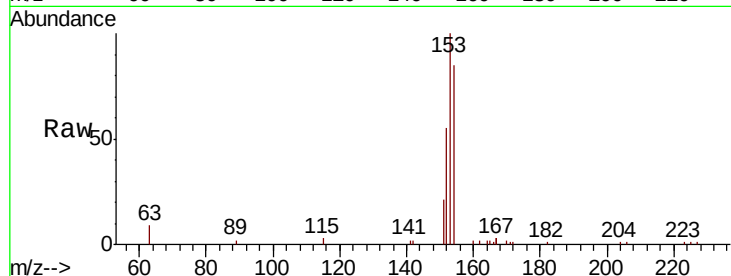
Tot Ion:154 Resp: 4762

Ion Ratio Lower Upper

154 100

153 116.5 92.2 138.4

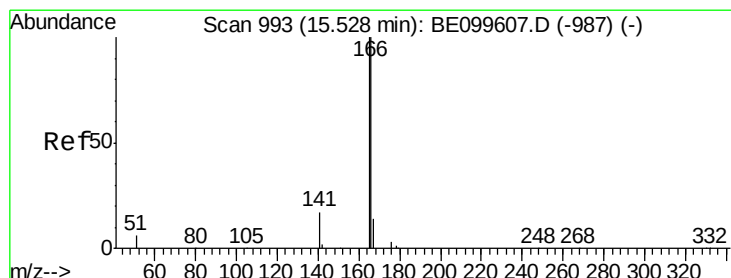
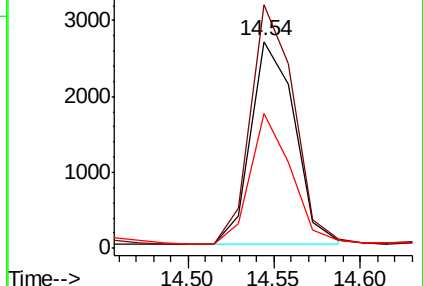
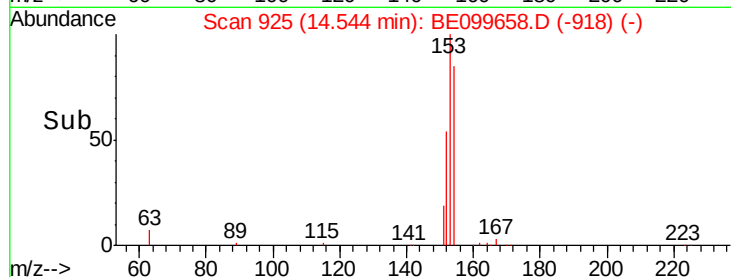
152 59.7 46.2 69.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.629 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

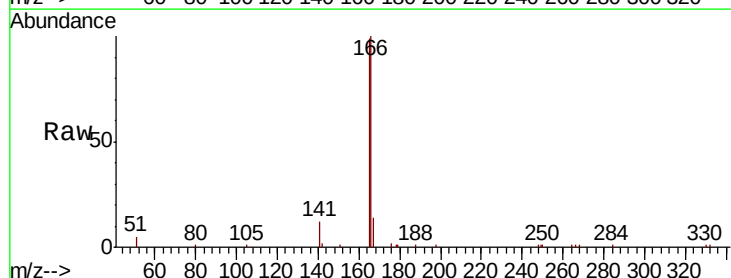
Tgt Ion:166 Resp: 11356

Ion Ratio Lower Upper

166 100

165 101.2 80.3 120.5

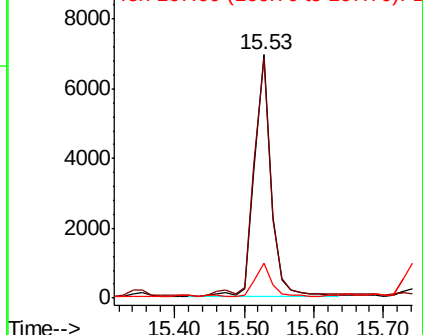
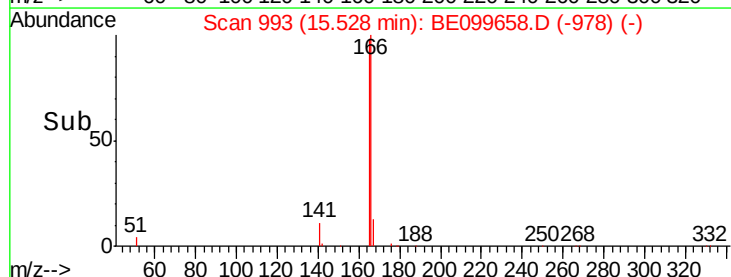
167 13.1 10.6 16.0

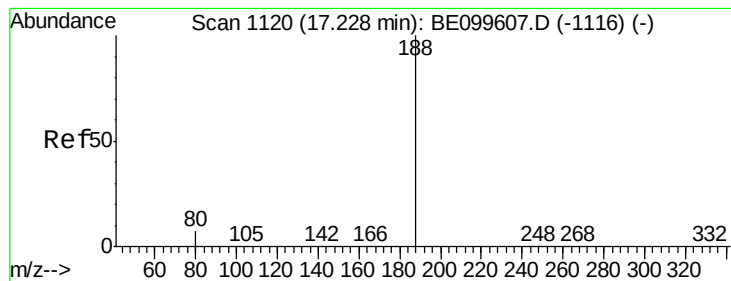


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

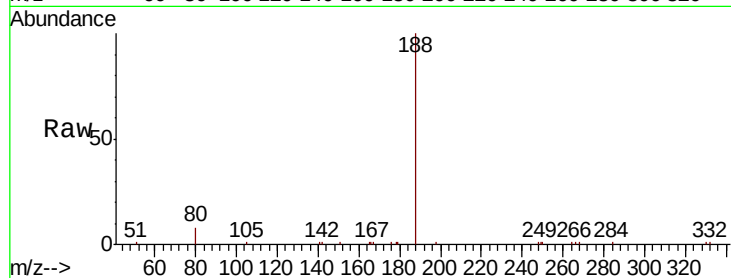
Tot Ion:188 Resp: 13686

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

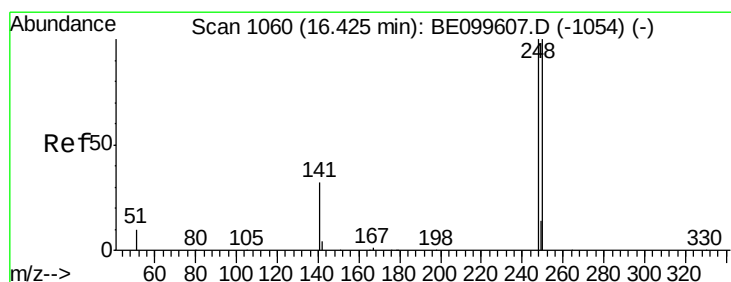
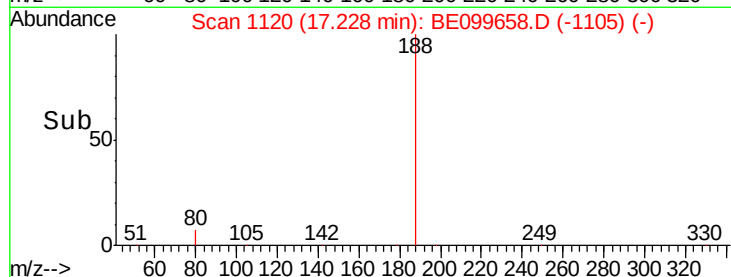
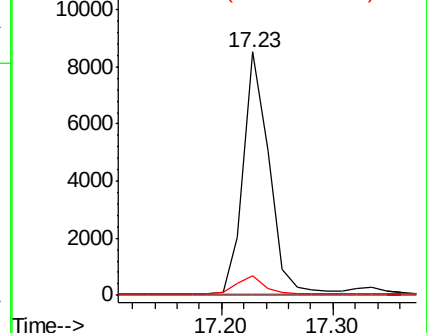
80 7.9 6.7 10.1



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: 0.355 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

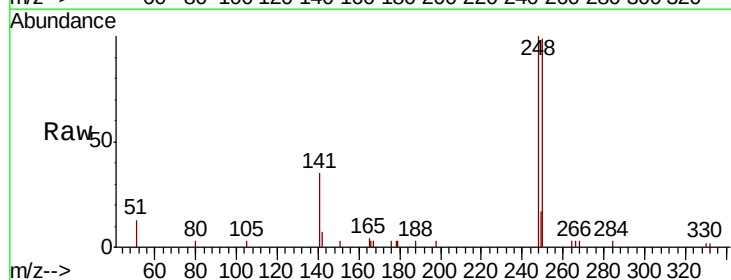
Tgt Ion:248 Resp: 2803

Ion Ratio Lower Upper

248 100

250 98.7 79.8 119.8

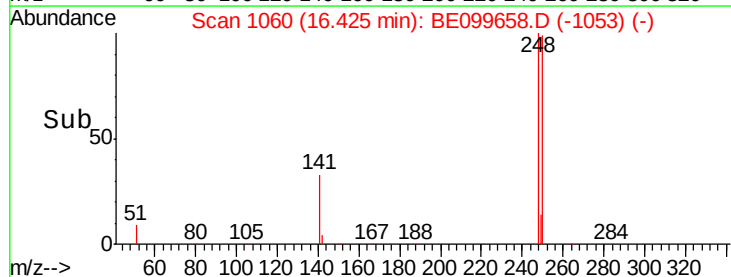
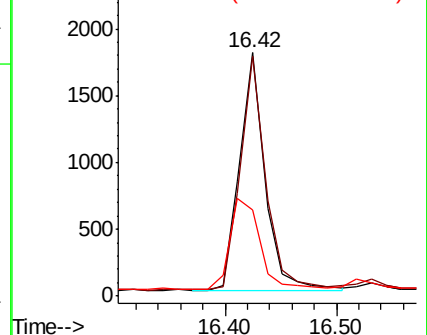
141 35.3 27.0 40.6

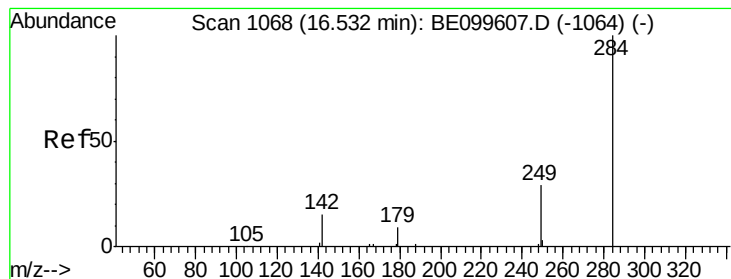


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

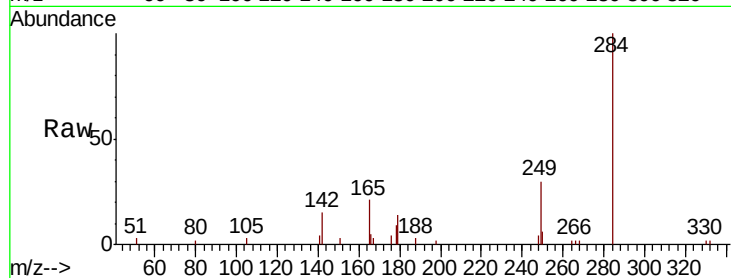
Tot Ion:284 Resp: 3063

Ion Ratio Lower Upper

284 100

142 21.6 17.8 26.6

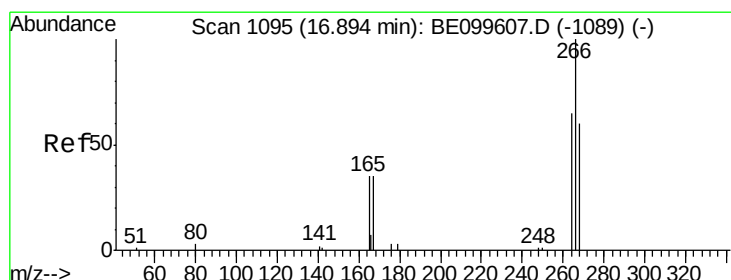
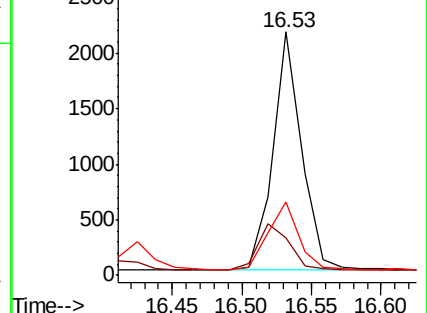
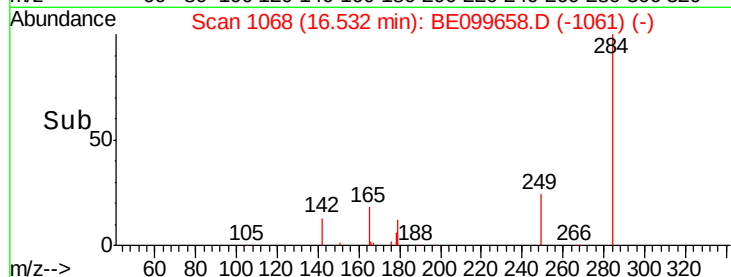
249 30.2 24.8 37.2



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: 0.190 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

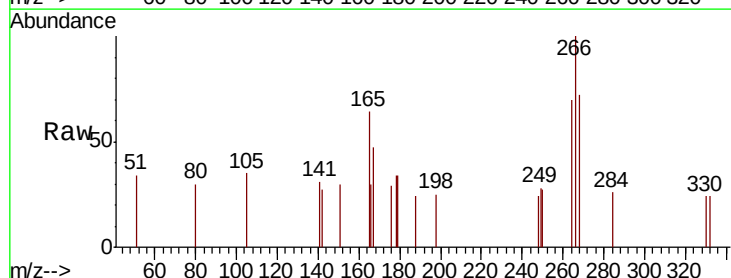
Tgt Ion:266 Resp: 587

Ion Ratio Lower Upper

266 100

264 70.3 57.2 85.8

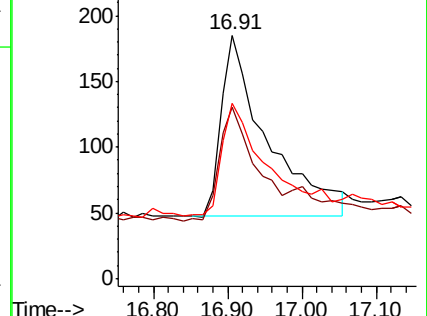
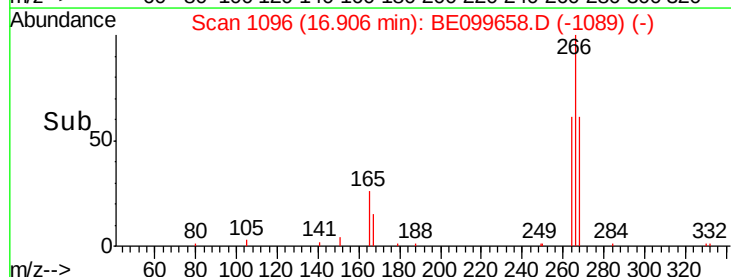
268 71.9 60.5 90.7

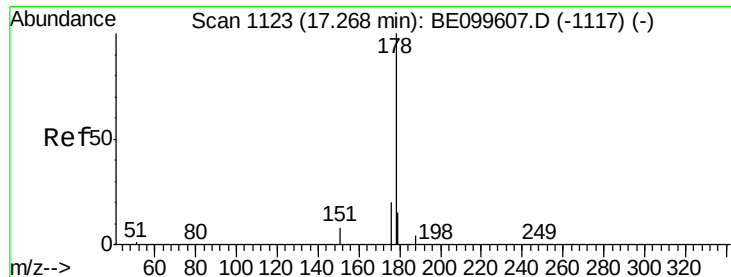


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.275 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

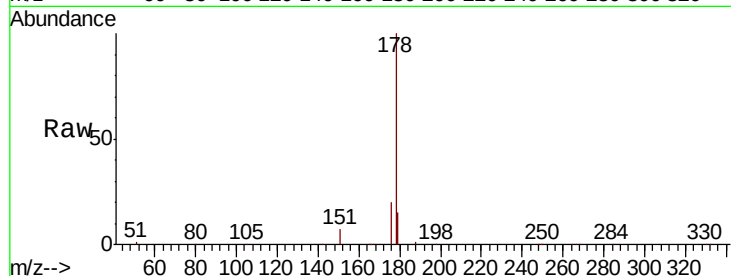
Tot Ion:178 Resp: 43316

Ion Ratio Lower Upper

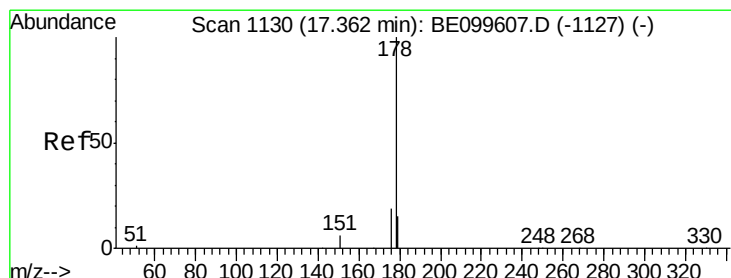
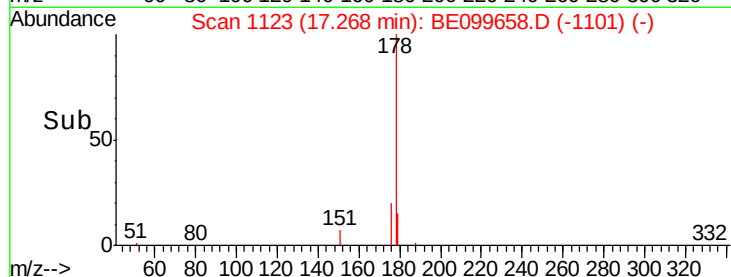
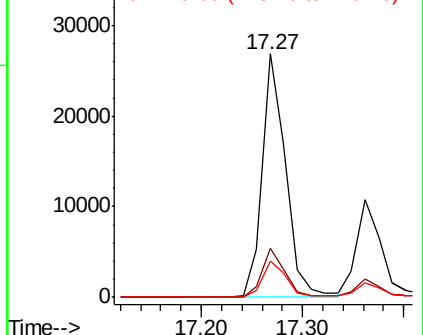
178 100

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: 0.555 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

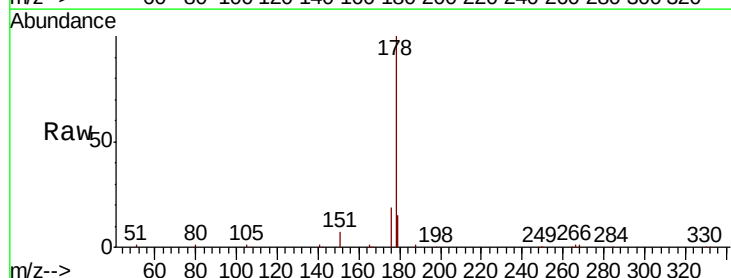
Tgt Ion:178 Resp: 17379

Ion Ratio Lower Upper

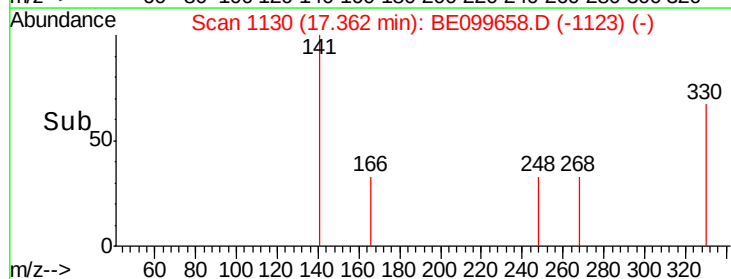
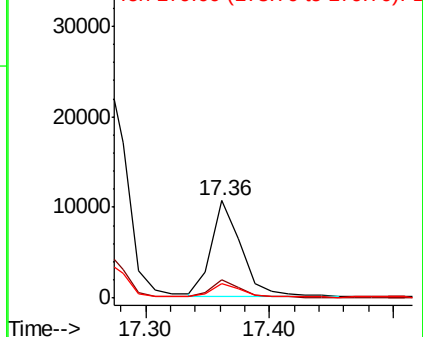
178 100

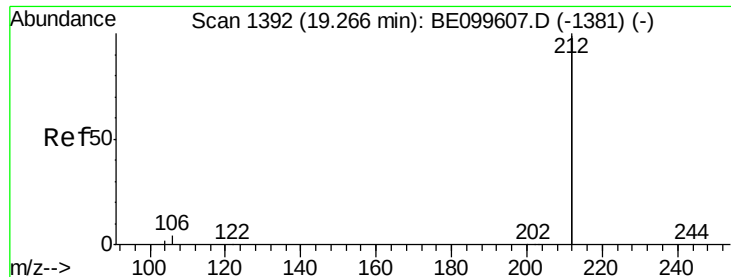
176 18.5 14.7 22.1

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: 0.363 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

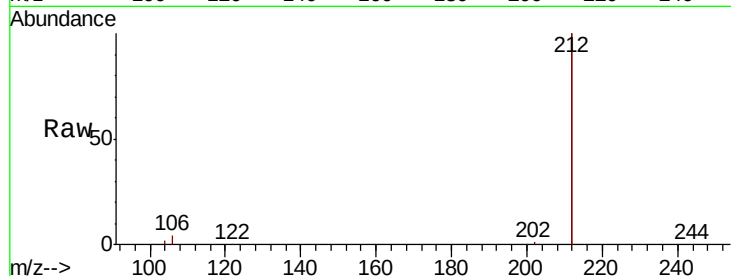
Tot Ion:212 Resp: 66092

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

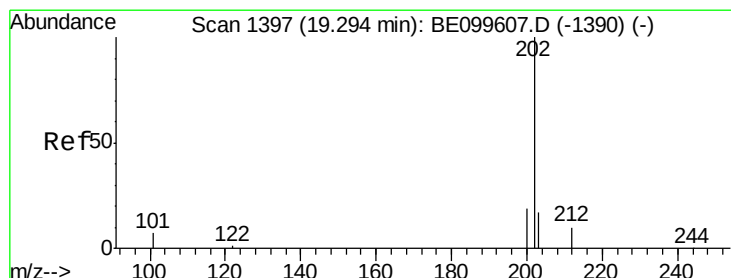
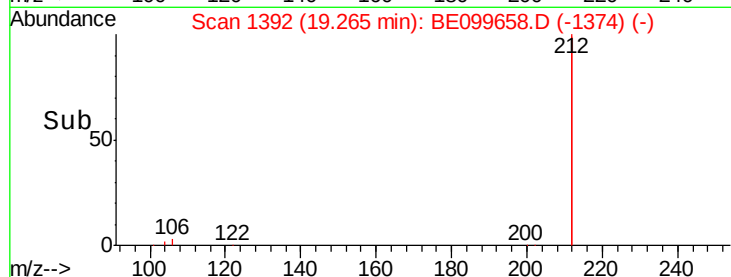
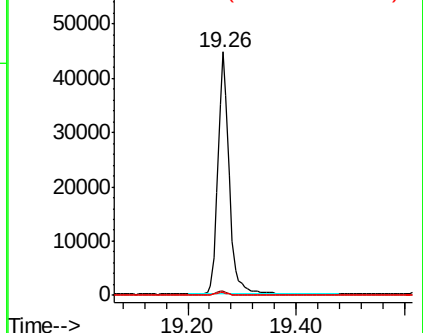
104 1.0 0.8 1.2



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: 0.654 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

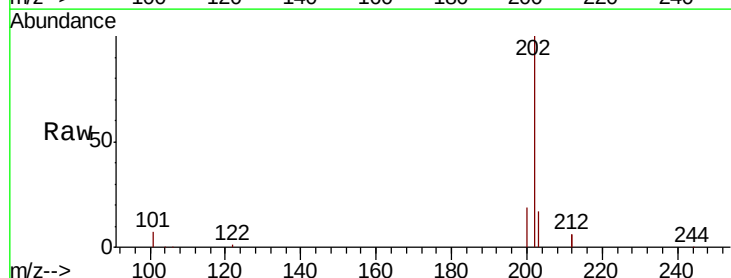
Tgt Ion:202 Resp: 33590

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

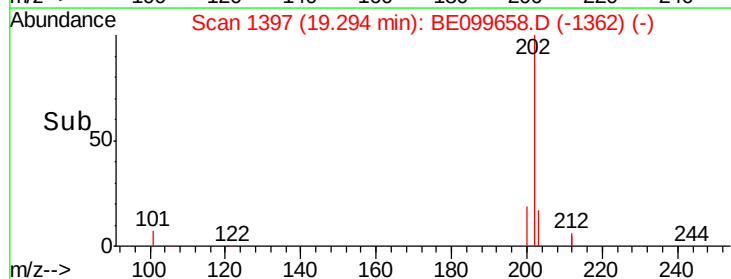
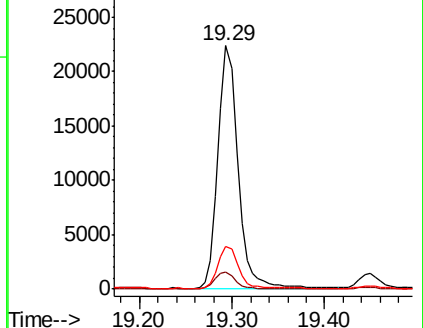
203 17.2 13.8 20.6

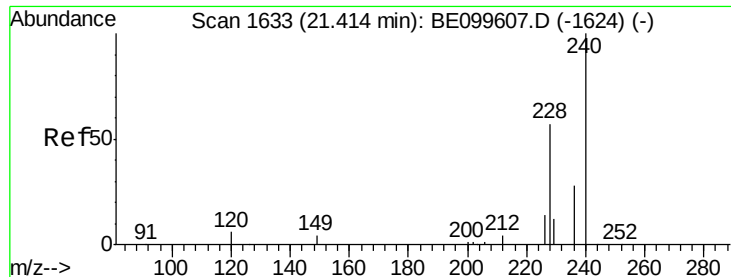


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

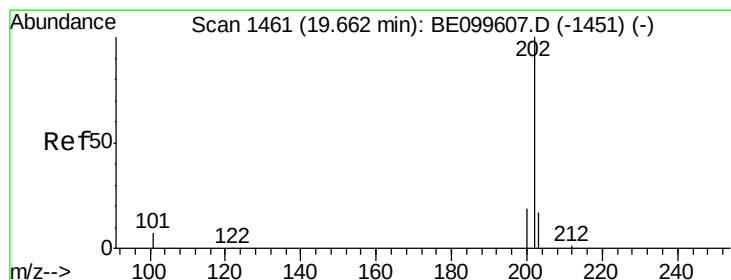
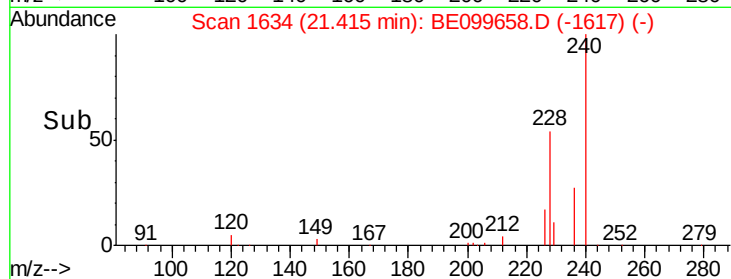
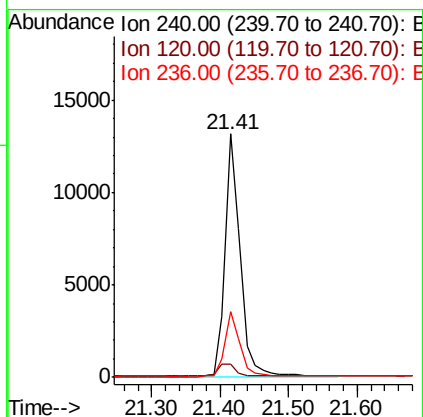
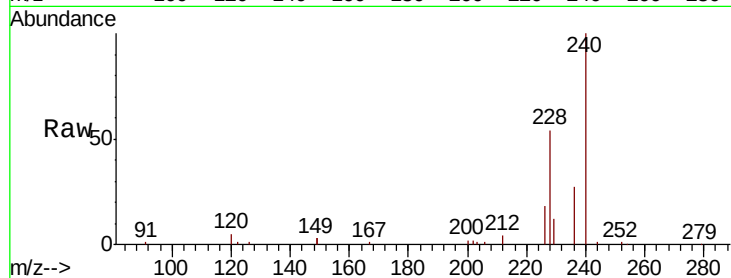




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099658.D
 Acq: 20 May 2019 9:42

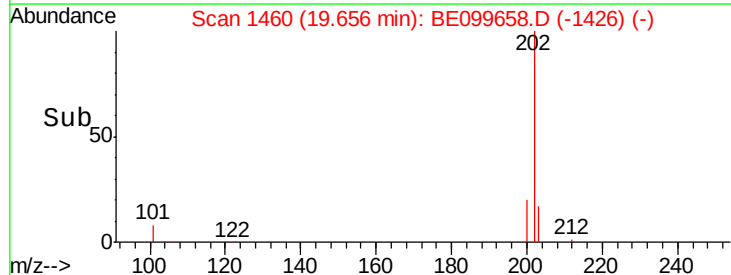
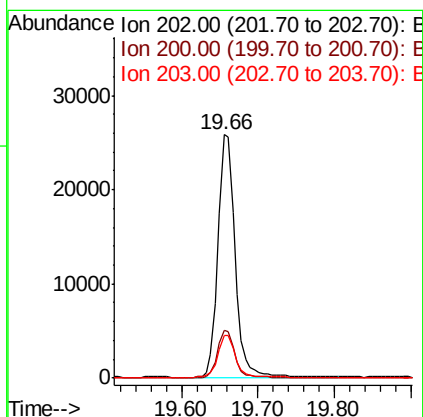
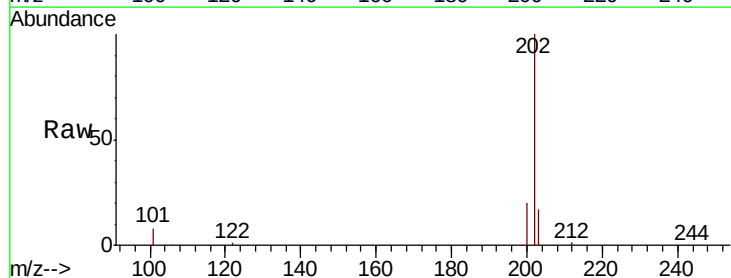
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

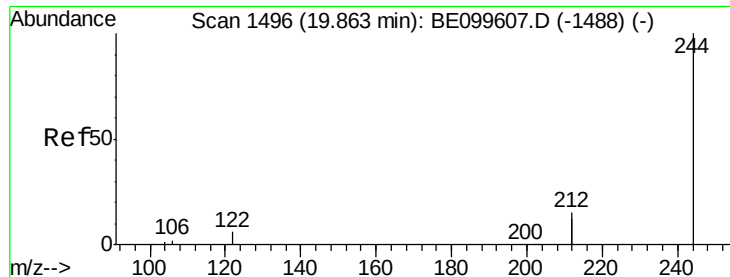
Tot Ion:240 Resp: 20153
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.4 8.0#
 236 26.9 21.7 32.5



#28
 Pyrene
 Concen: 0.781 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099658.D
 Acq: 20 May 2019 9:42

Tgt Ion:202 Resp: 40117
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.4 23.2
 203 18.0 13.8 20.8





#29

Terphenyl-d14

Concen: 0.374 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

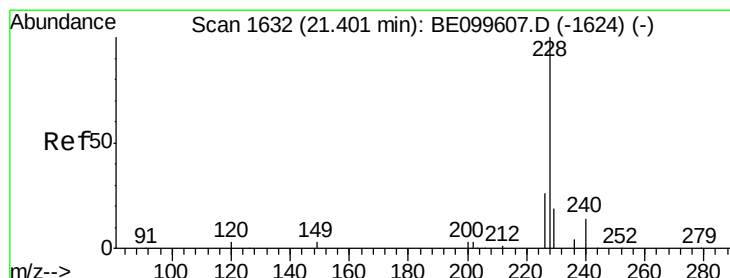
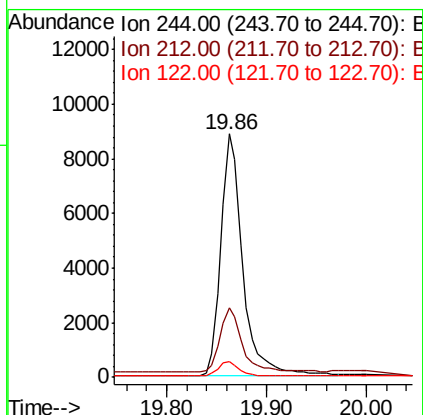
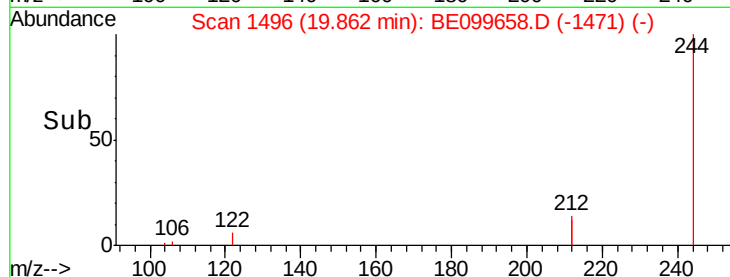
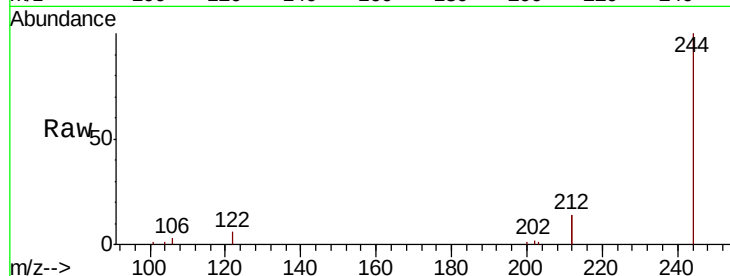
Tot Ion:244 Resp: 13564

Ion Ratio Lower Upper

244 100

212 28.6 22.5 33.7

122 6.4 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.524 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

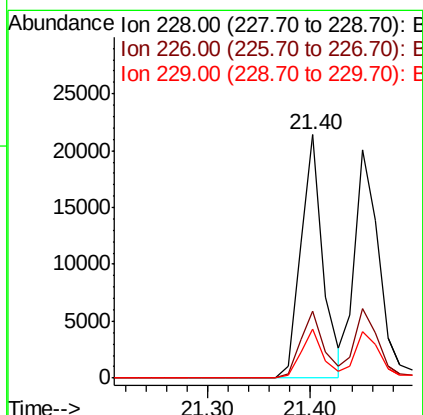
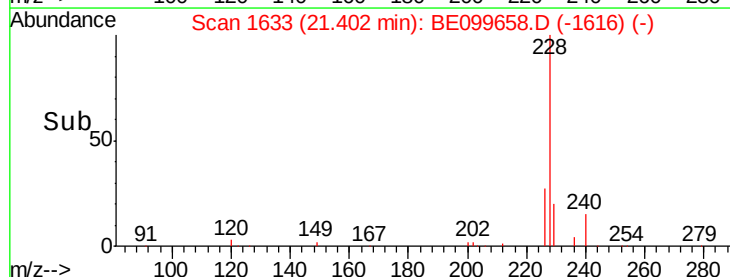
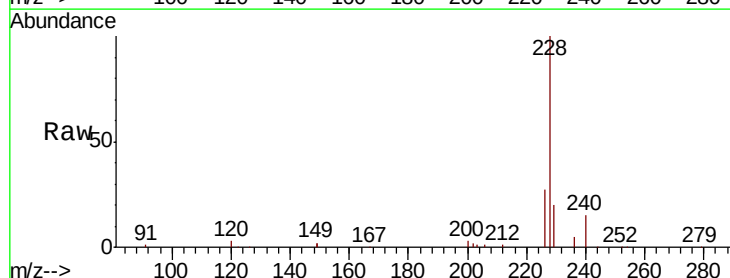
Tgt Ion:228 Resp: 31941

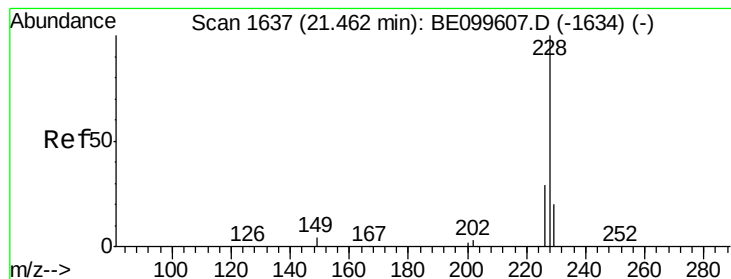
Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

229 20.1 16.1 24.1





#31

Chrysene

Concen: 0.505 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

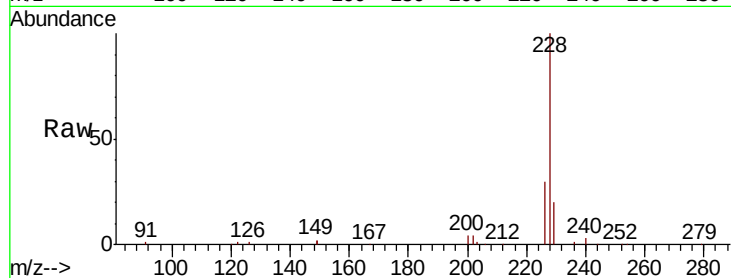
Tot Ion:228 Resp: 31694

Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

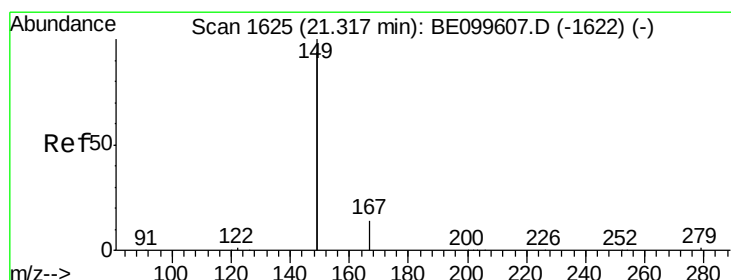
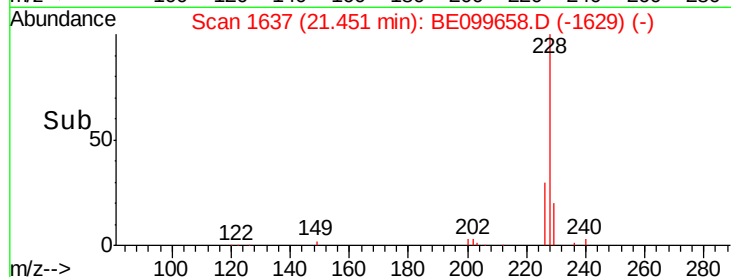
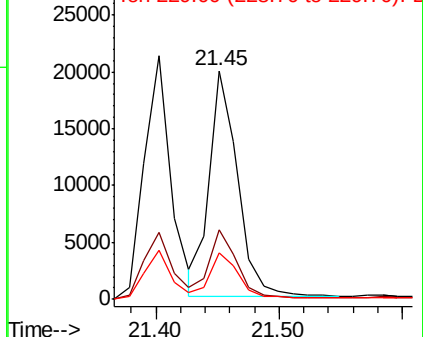
229 20.1 15.8 23.6



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: 0.258 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

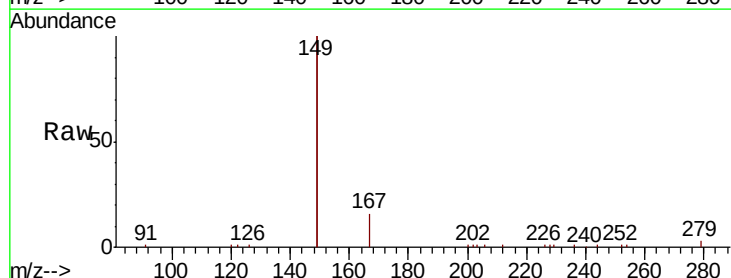
Tgt Ion:149 Resp: 24261

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

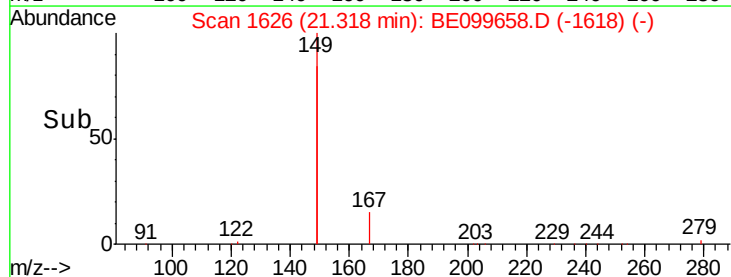
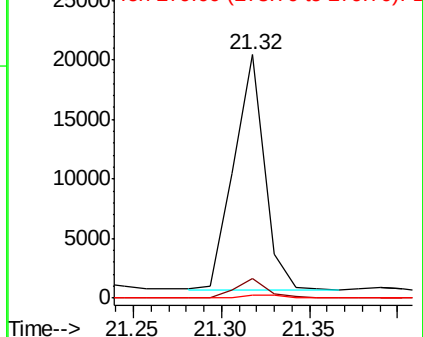
279 1.6 1.2 1.8

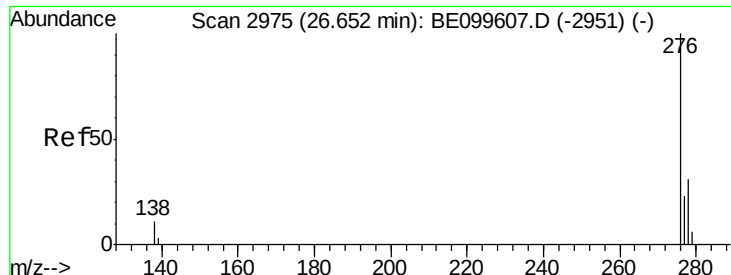


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

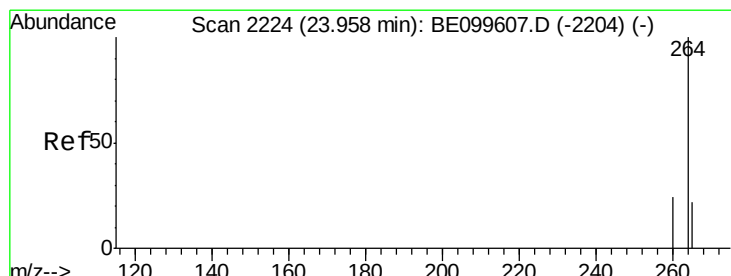
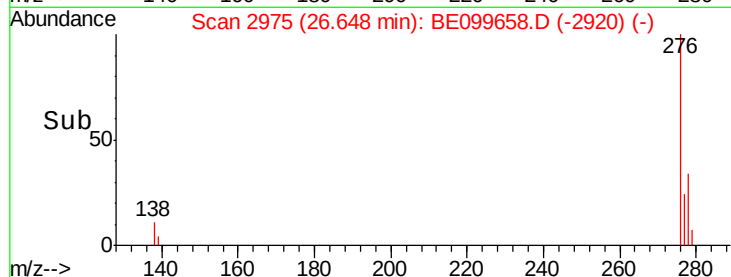
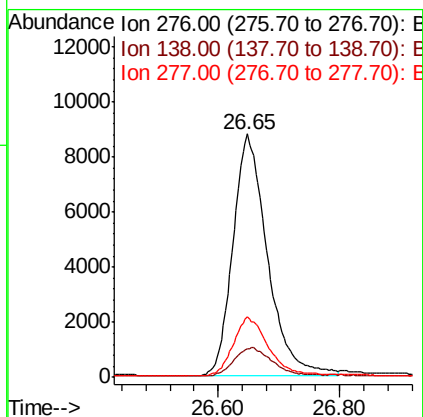
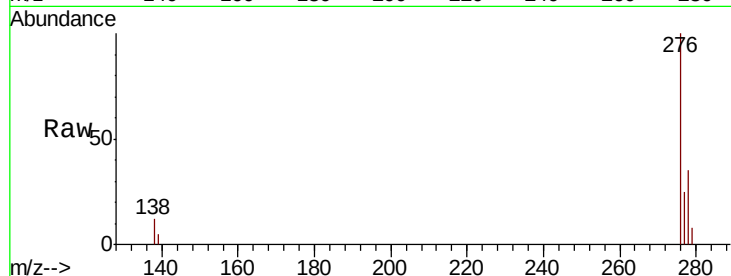




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.445 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BE099658.D
 Acq: 20 May 2019 9:42

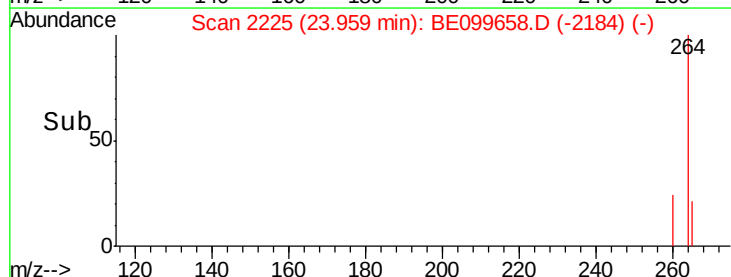
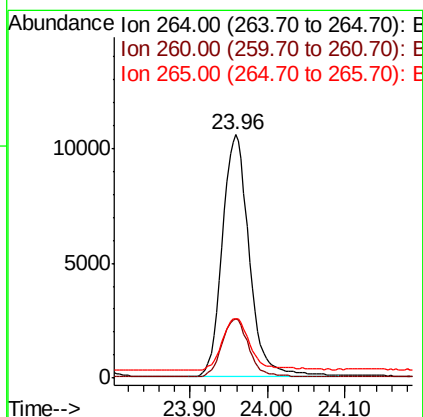
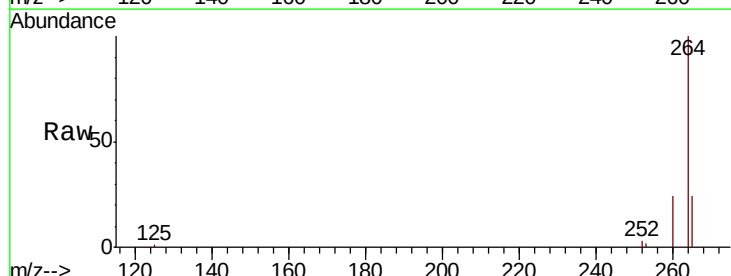
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

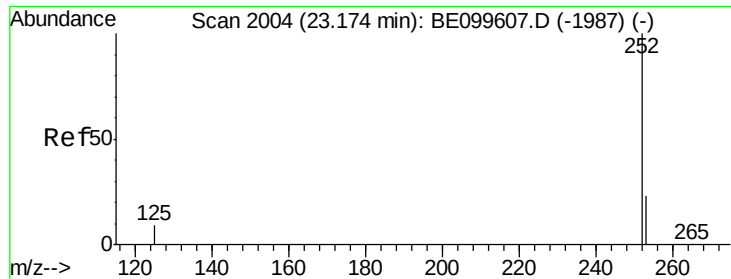
Tot Ion:276 Resp: 34729
 Ion Ratio Lower Upper
 276 100
 138 12.7 9.6 14.4
 277 24.5 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE099658.D
 Acq: 20 May 2019 9:42

Tgt Ion:264 Resp: 25520
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 24.4 19.1 28.7





#35

Benzo(b)fluoranthene

Concen: 0.399 ng

RT: 23.22 min Scan# 2019

Delta R.T. 0.05 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

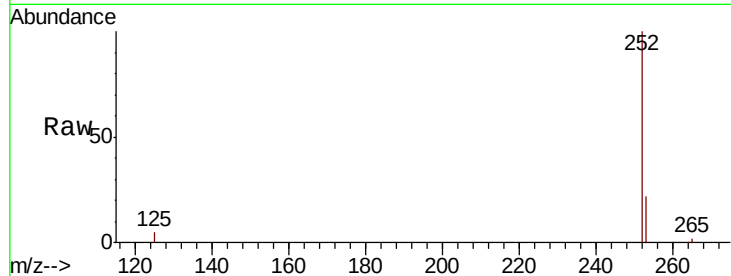
Tot Ion:252 Resp: 28451

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

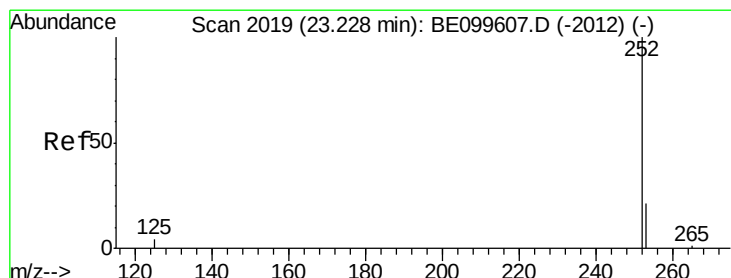
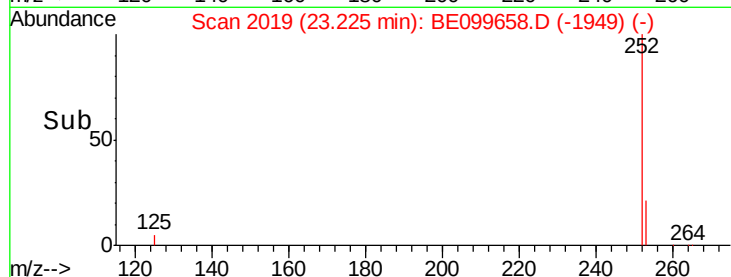
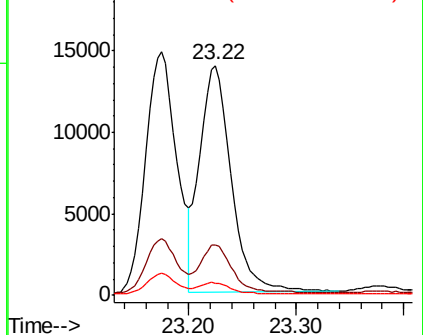
125 5.4 4.5 6.7



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: 0.415 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

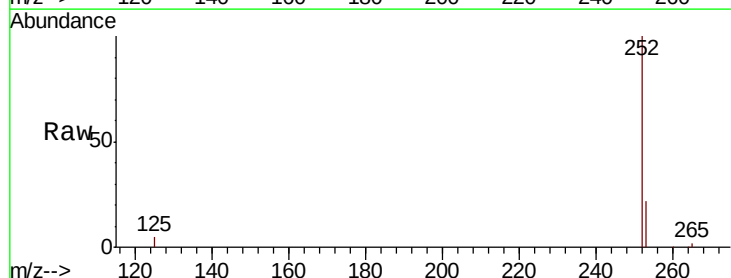
Tgt Ion:252 Resp: 29231

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

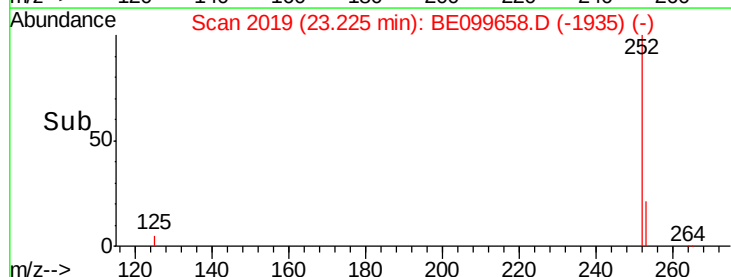
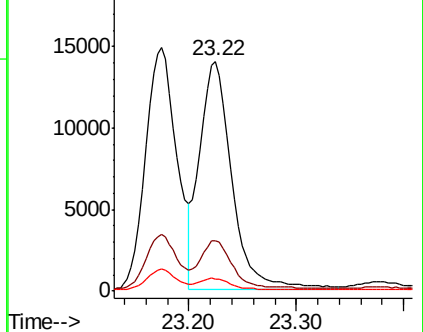
125 5.4 4.6 6.8

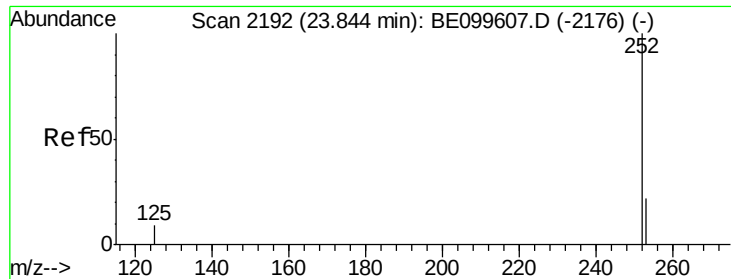


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.449 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

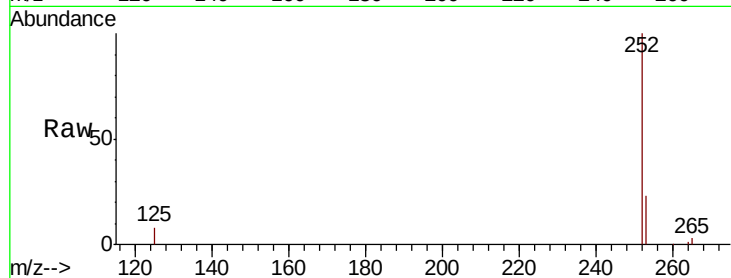
Tot Ion:252 Resp: 31000

Ion Ratio Lower Upper

252 100

253 23.4 18.9 28.3

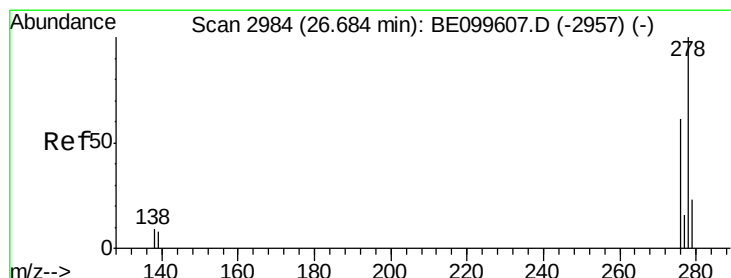
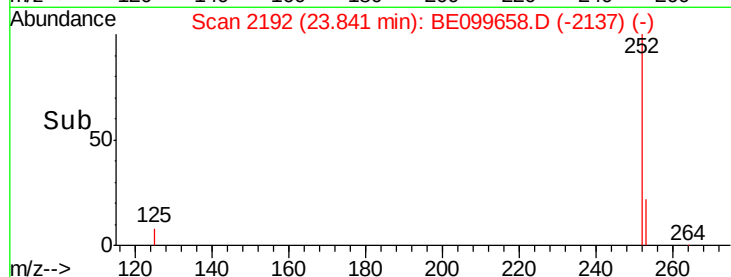
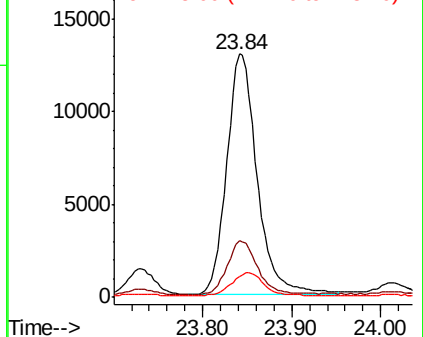
125 8.5 5.4 8.0#



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: 0.372 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

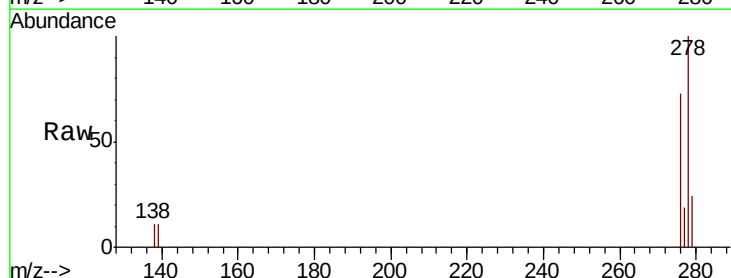
Tgt Ion:278 Resp: 26658

Ion Ratio Lower Upper

278 100

139 11.0 6.9 10.3#

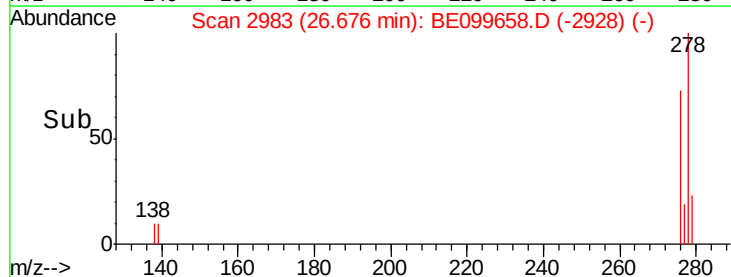
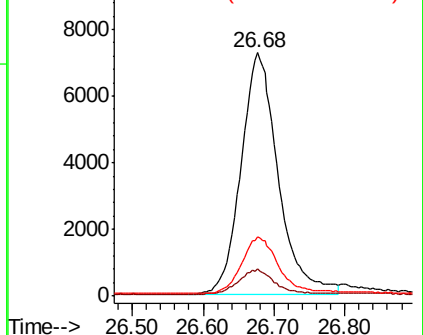
279 24.3 19.2 28.8

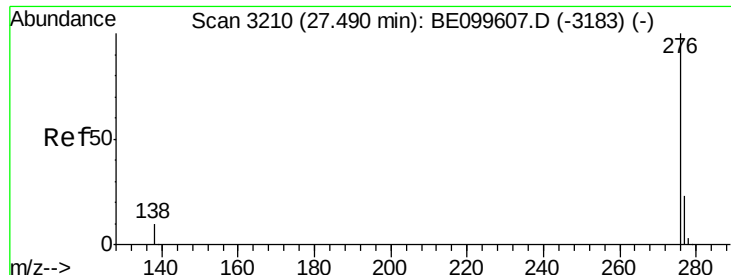


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.398 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE099658.D

Acq: 20 May 2019 9:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

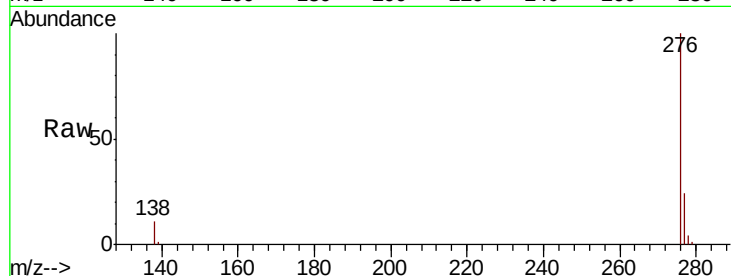
Tot Ion: 276 Resp: 28671

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.6

138 11.3 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

