

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052019\
 Data File : BE099669.D
 Acq On : 20 May 2019 20:31
 Operator : JU/SJ
 Sample : PB119824BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119824BS

Quant Time: May 21 06:41:42 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	7.82	152	2034	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6497	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3877	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10185	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15336	0.40	ng	0.00
34) Perylene-d12	23.96	264	18708	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1819	0.35	ng	0.01
5) Phenol-d6	6.98	99	2447	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2161	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5584	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	496	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	6354	0.43	ng	0.00
25) Fluoranthene-d10	19.27	212	50053	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	11205	0.41	ng	0.00

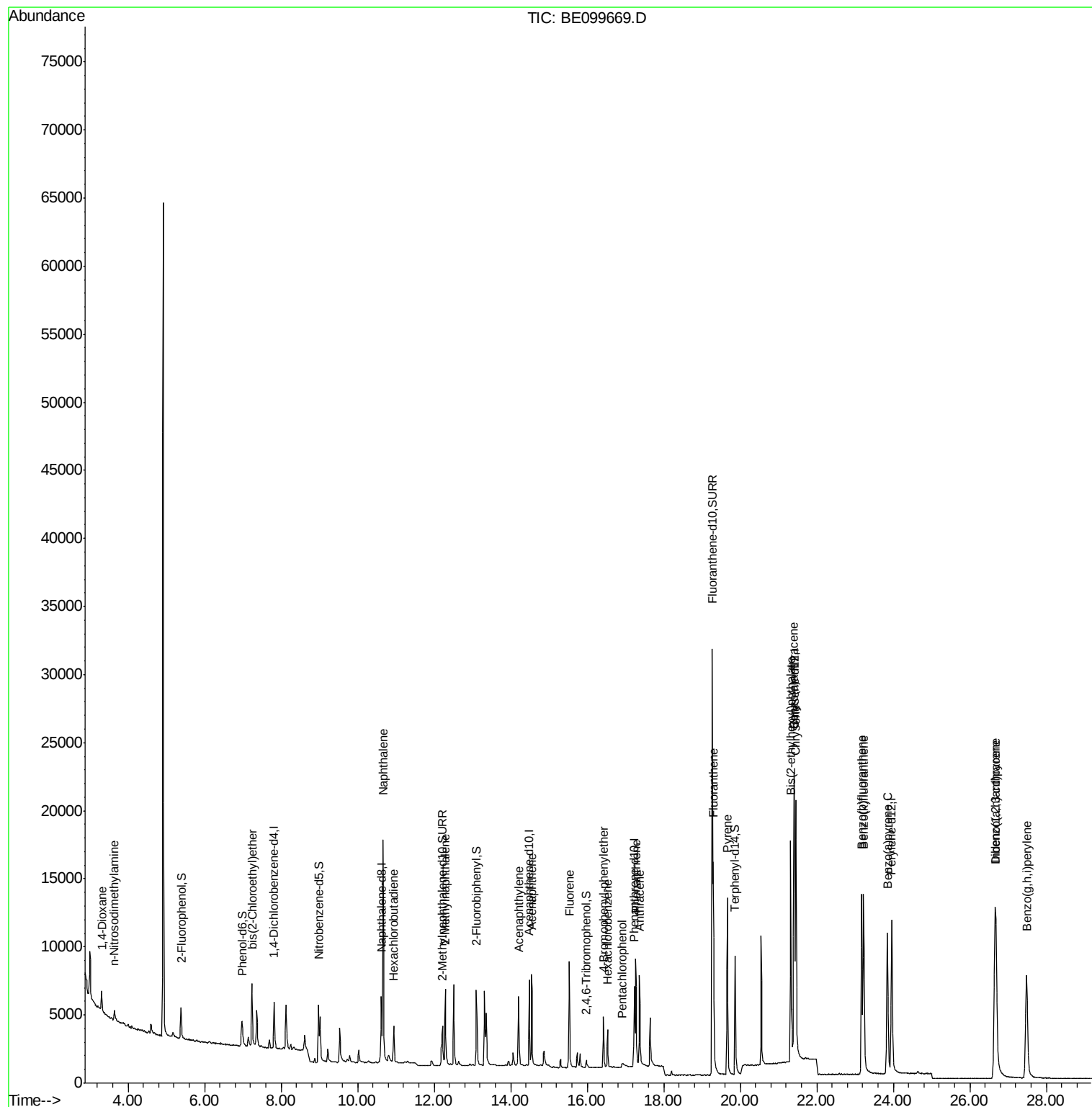
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	888	0.295	ng	# 31
3) n-Nitrosodimethylamine	3.64	42	589	0.354	ng	# 84
6) bis(2-Chloroethyl)ether	7.24	93	2142	0.354	ng	97
9) Naphthalene	10.67	128	27662	0.398	ng	100
10) Hexachlorobutadiene	10.94	225	2049	0.400	ng	98
12) 2-Methylnaphthalene	12.29	142	4354	0.384	ng	99
16) Acenaphthylene	14.21	152	7062	0.391	ng	99
17) Acenaphthene	14.54	154	4018	0.396	ng	99
18) Fluorene	15.53	166	5543	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2328	0.396	ng	97
21) Hexachlorobenzene	16.53	284	2546	0.424	ng	99
22) Pentachlorophenol	16.92	266	670	0.537	ng	98
23) Phenanthrene	17.27	178	9878	0.397	ng	99
24) Anthracene	17.36	178	8314	0.368	ng	100
26) Fluoranthene	19.30	202	14242	0.362	ng	99
28) Pyrene	19.66	202	14678	0.381	ng	100
30) Benzo(a)anthracene	21.40	228	18795	0.431	ng	100
31) Chrysene	21.45	228	20768	0.446	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	17292	0.344	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	25667	0.456	ng	100
35) Benzo(b)fluoranthene	23.17	252	20546	0.401	ng	99
36) Benzo(k)fluoranthene	23.22	252	23772	0.445	ng	99
37) Benzo(a)pyrene	23.84	252	20581	0.417	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	21230	0.410	ng	99
39) Benzo(g,h,i)perylene	27.48	276	22228	0.425	ng	98

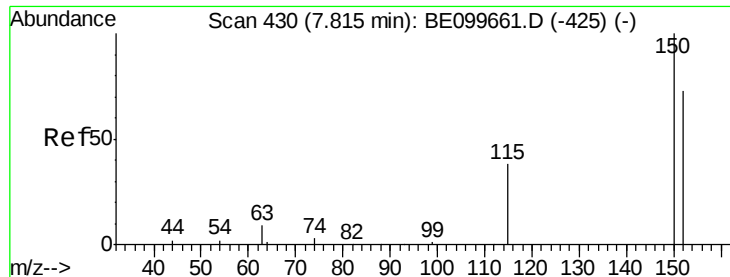
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

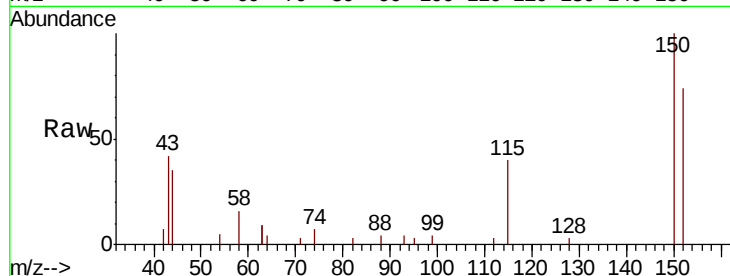
Tgt Ion:152 Resp: 2034

Ion Ratio Lower Upper

152 100

150 135.1 109.2 163.8

115 53.7 43.7 65.5

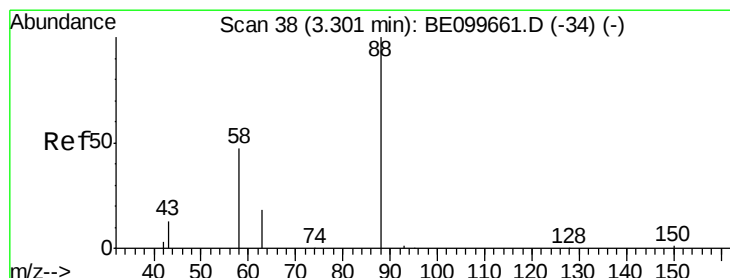
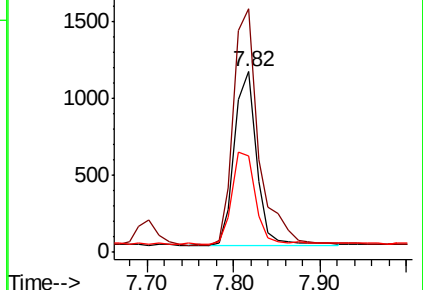
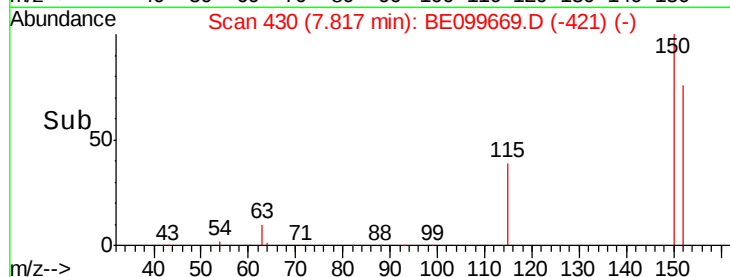


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 0.295 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

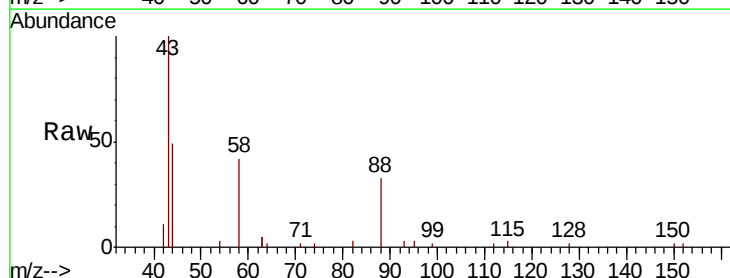
Tgt Ion: 88 Resp: 888

Ion Ratio Lower Upper

88 100

58 76.5 41.8 62.8#

43 93.9 15.0 22.4#

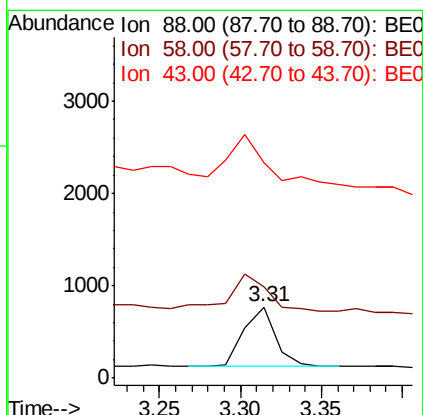
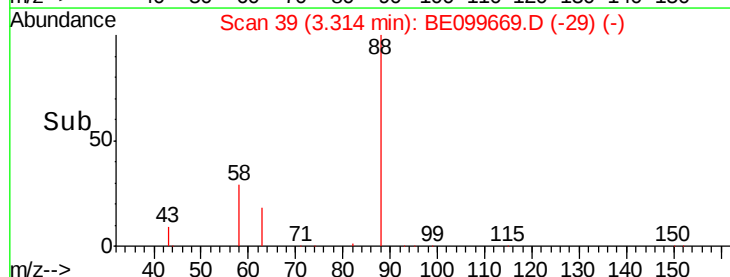


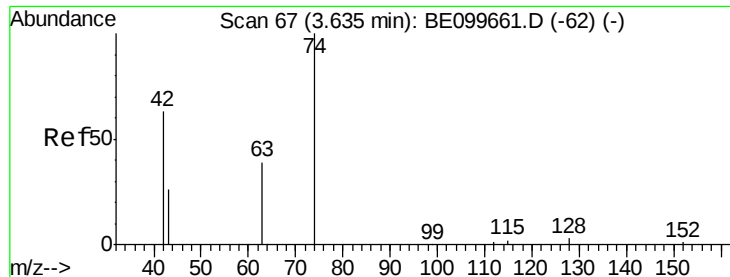
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.354 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

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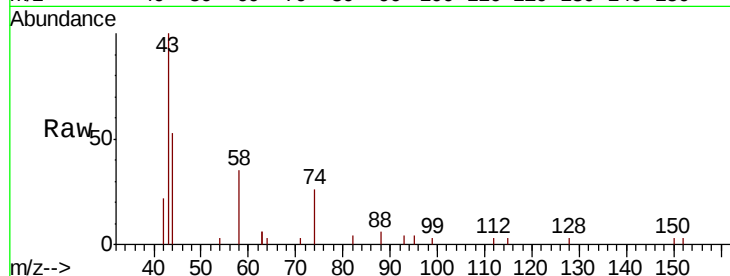
Tgt Ion: 42 Resp: 589

Ion Ratio Lower Upper

42 100

74 183.4 129.2 193.8

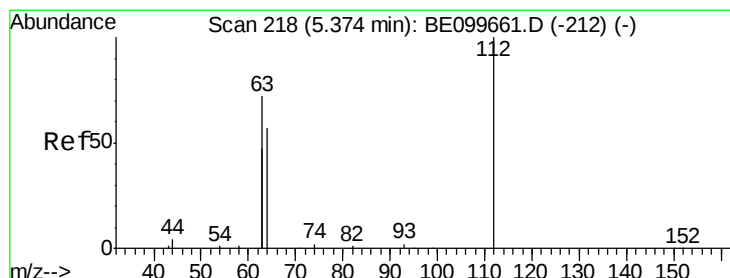
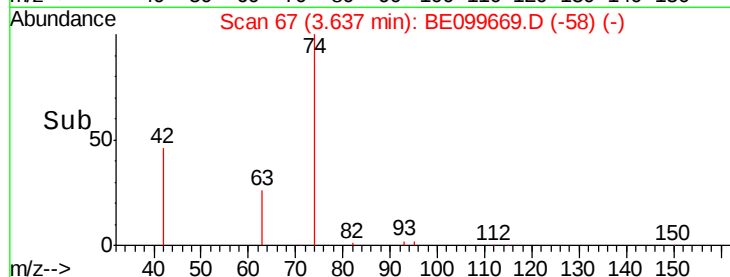
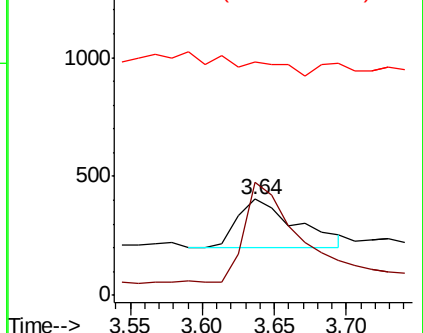
44 0.0 0.0 0.0



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: 0.354 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

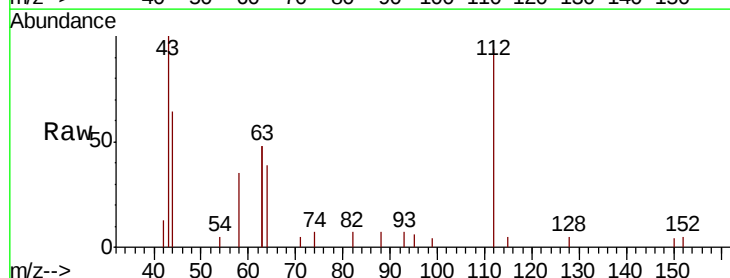
Tgt Ion: 112 Resp: 1819

Ion Ratio Lower Upper

112 100

64 53.4 43.4 65.2

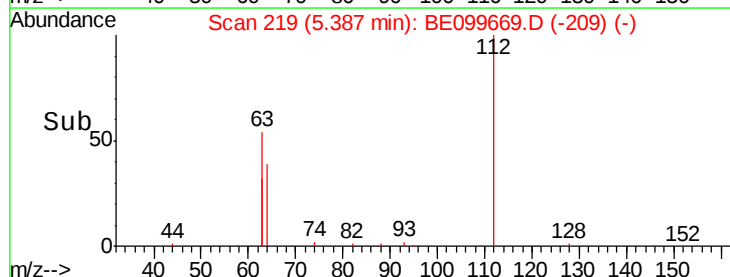
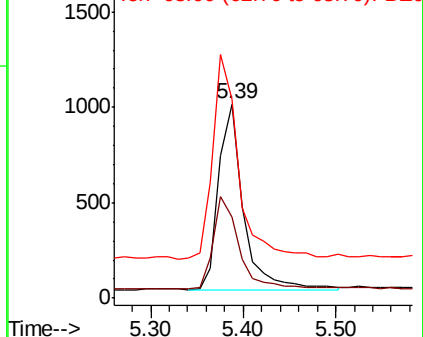
63 115.9 96.9 145.3

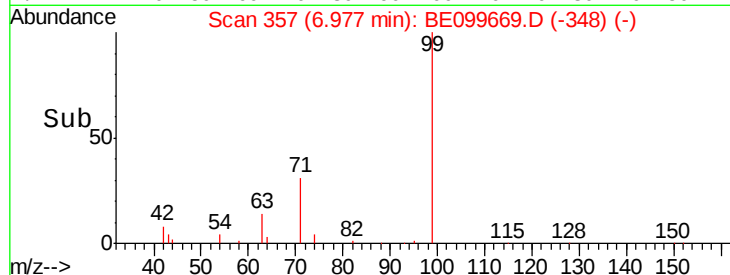
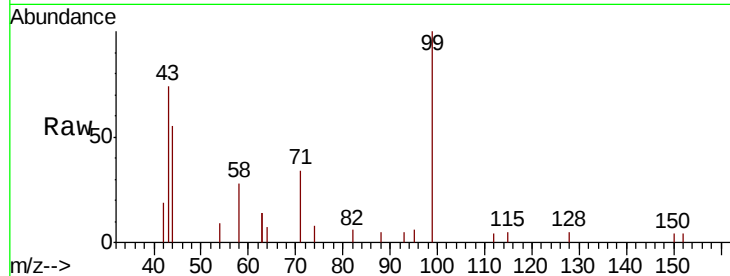
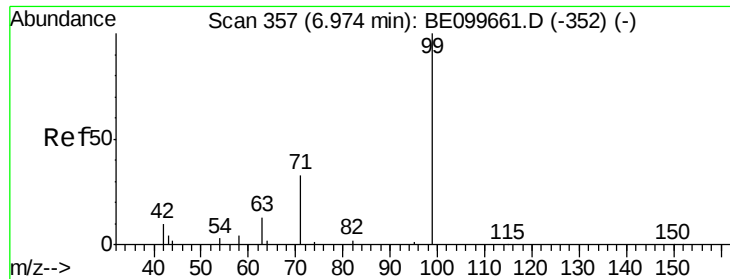


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.360 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

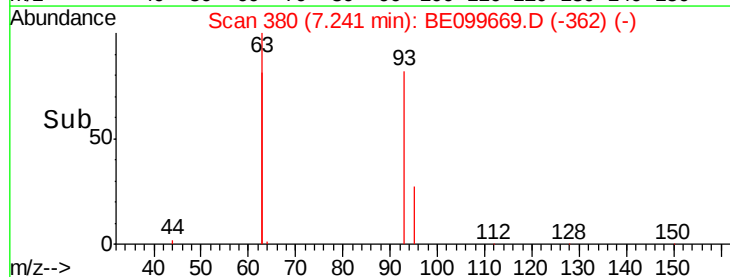
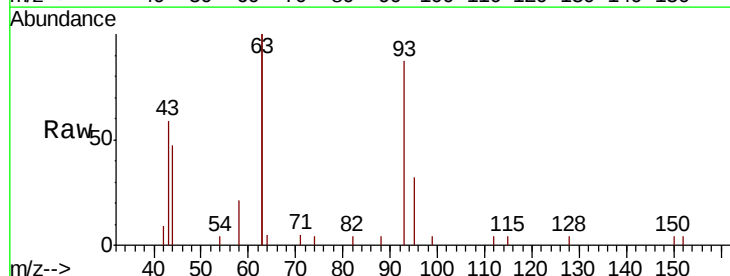
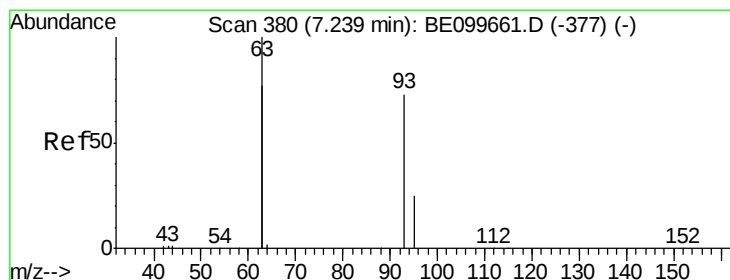
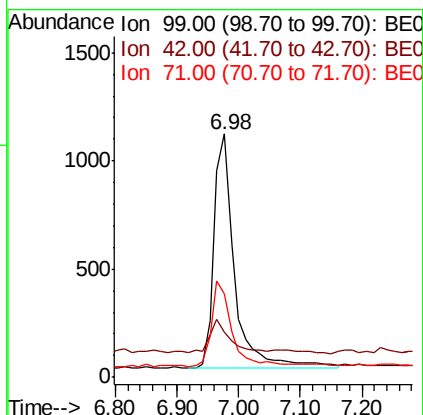
Tgt Ion: 99 Resp: 2447

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

71 36.1 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

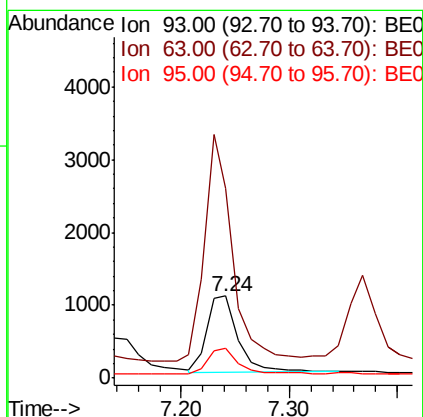
Tgt Ion: 93 Resp: 2142

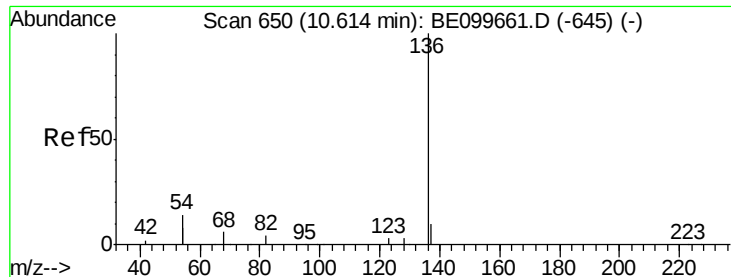
Ion Ratio Lower Upper

93 100

63 264.8 207.8 311.6

95 34.0 25.9 38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

Tgt Ion:136 Resp: 6497

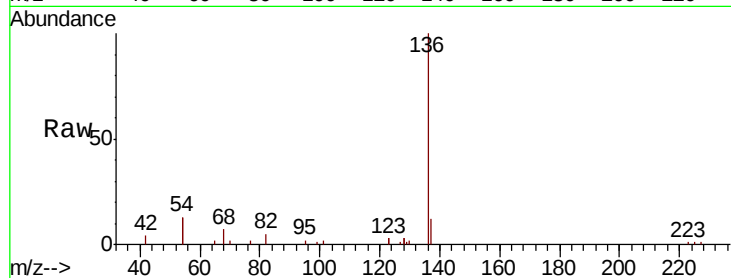
Ion Ratio Lower Upper

136 100

137 11.9 9.0 13.6

54 27.0 22.3 33.5

68 7.0 6.0 9.0

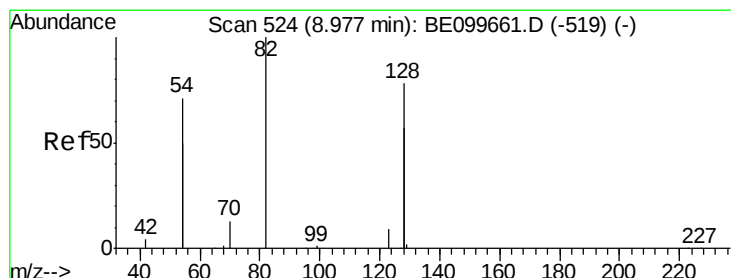
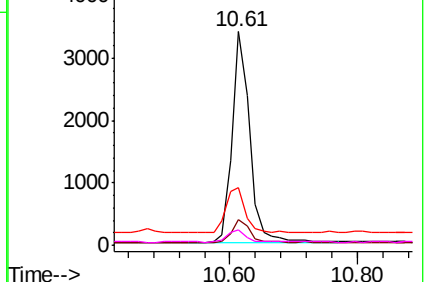
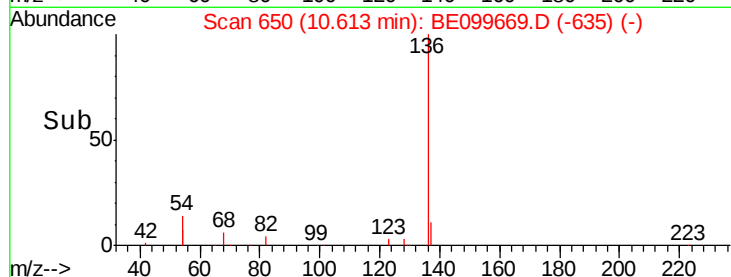


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.384 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

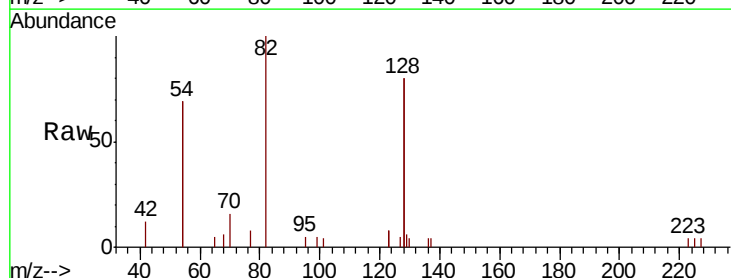
Tgt Ion: 82 Resp: 2161

Ion Ratio Lower Upper

82 100

128 160.2 117.7 176.5

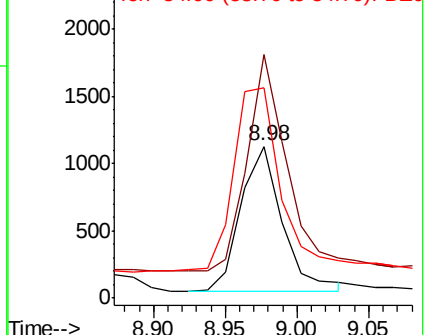
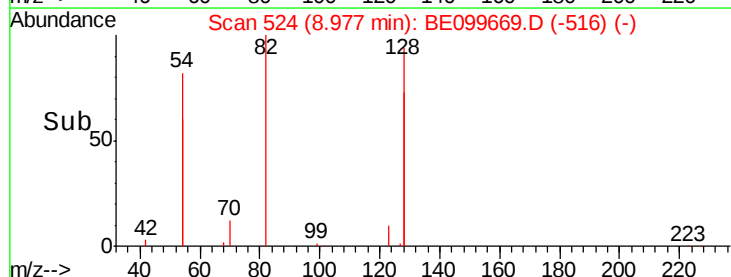
54 138.8 106.6 160.0

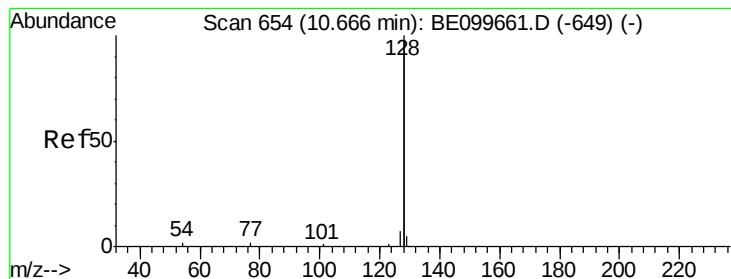


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.398 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

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PB119824BS

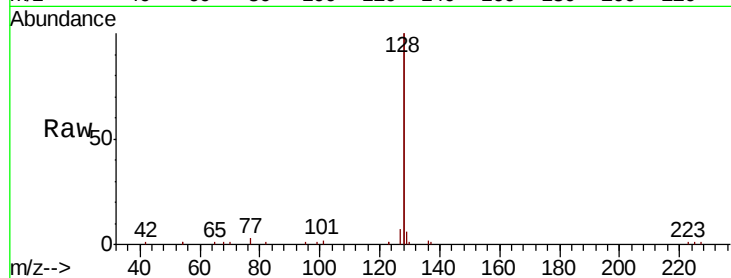
Tgt Ion:128 Resp: 27662

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

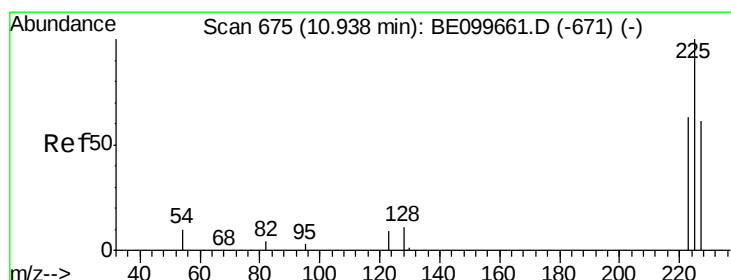
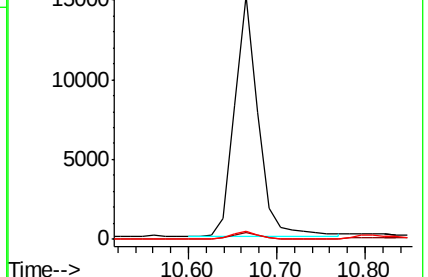
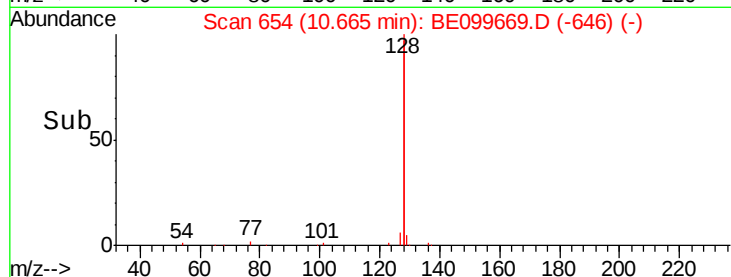
127 3.5 2.9 4.3



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: 0.400 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

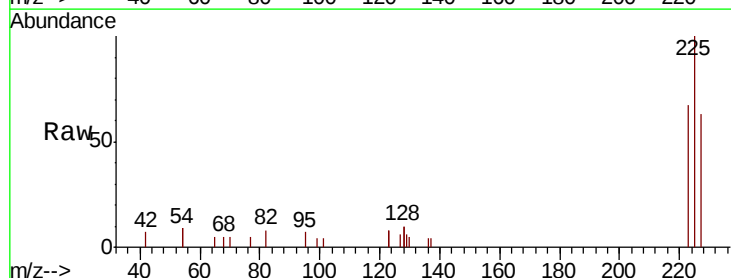
Tgt Ion:225 Resp: 2049

Ion Ratio Lower Upper

225 100

223 64.0 51.8 77.6

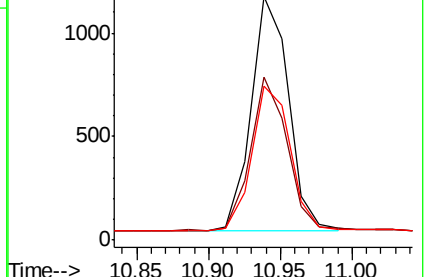
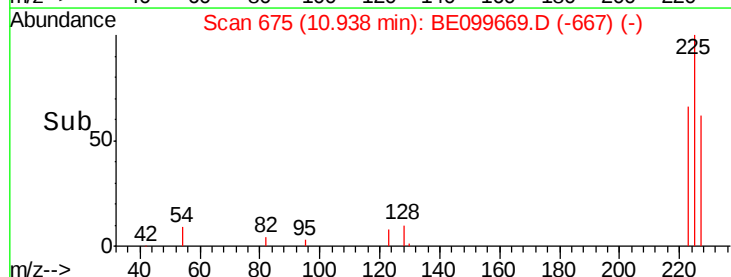
227 63.5 52.6 79.0

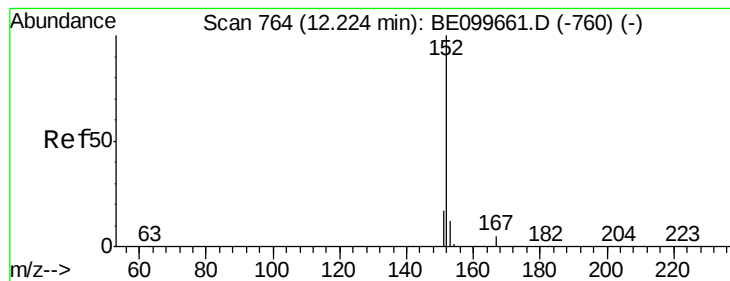


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.498 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

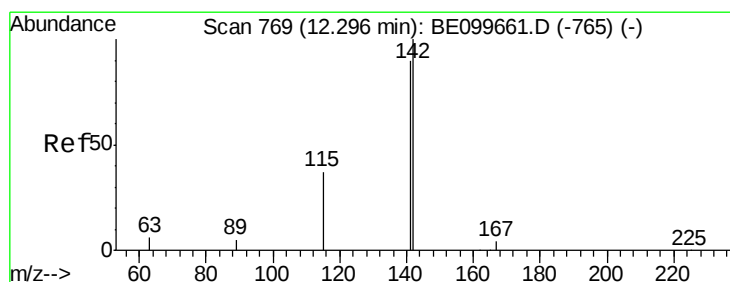
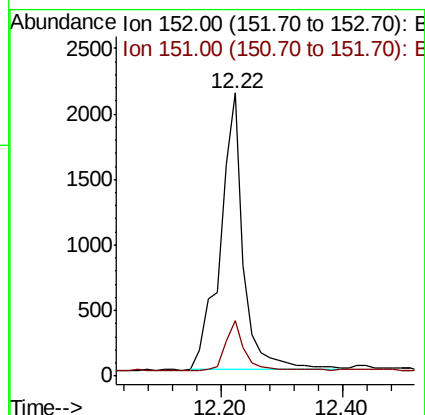
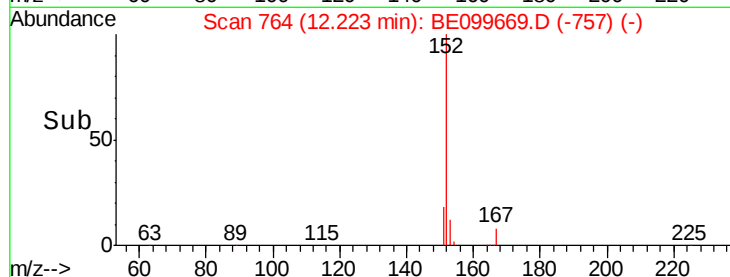
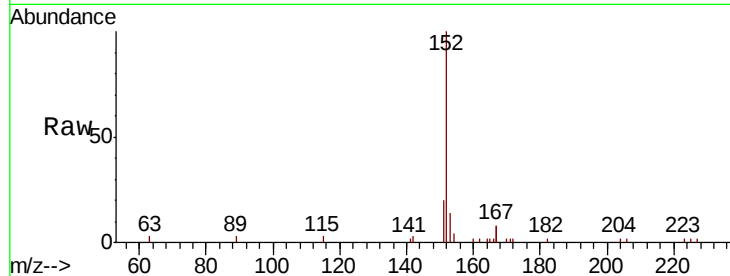
PB119824BS

Tgt Ion:152 Resp: 5584

Ion Ratio Lower Upper

152 100

151 14.1 15.0 22.4#



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

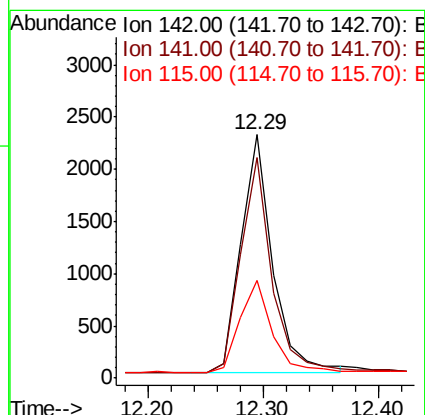
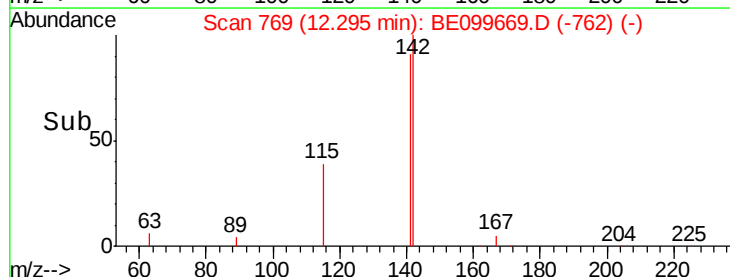
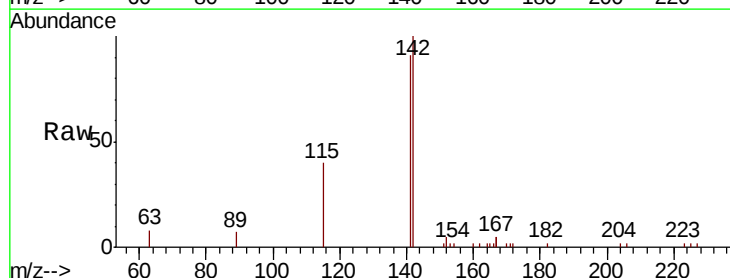
Tgt Ion:142 Resp: 4354

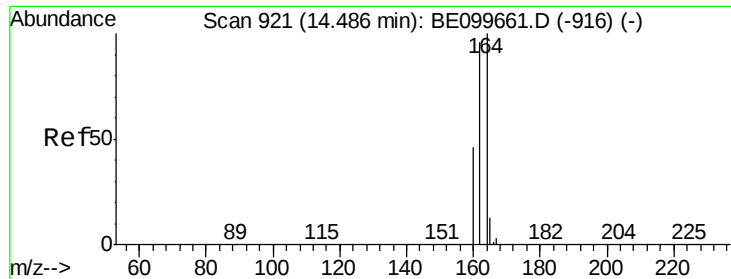
Ion Ratio Lower Upper

142 100

141 90.6 72.0 108.0

115 40.1 31.0 46.4

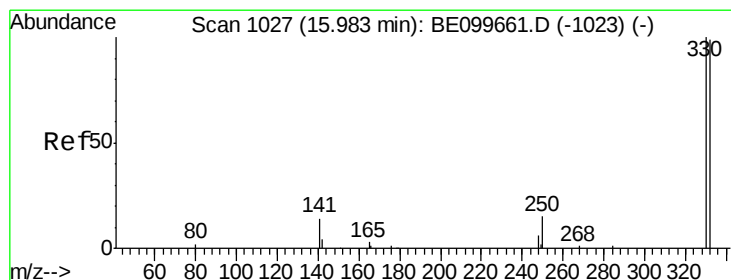
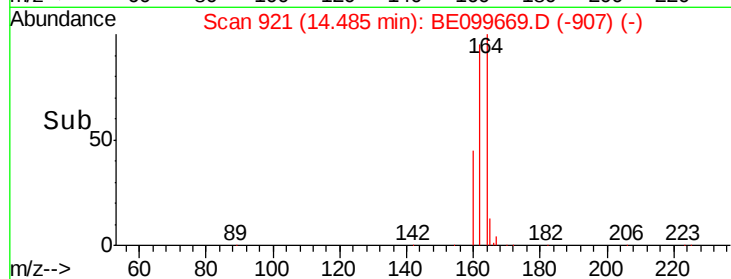
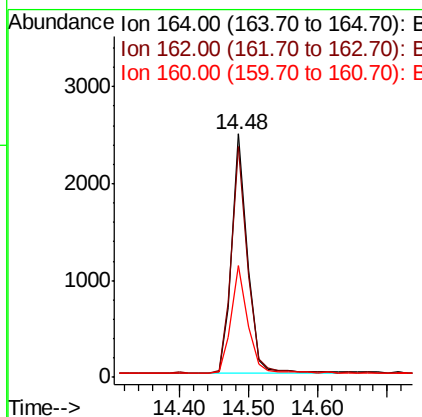
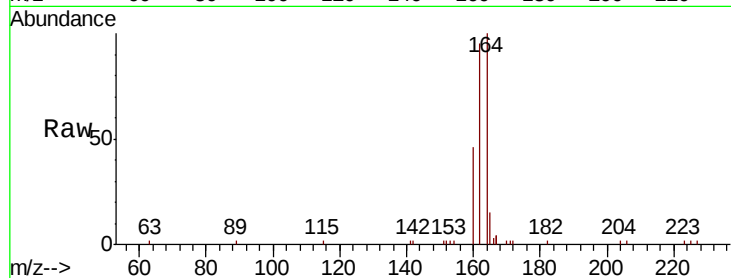




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

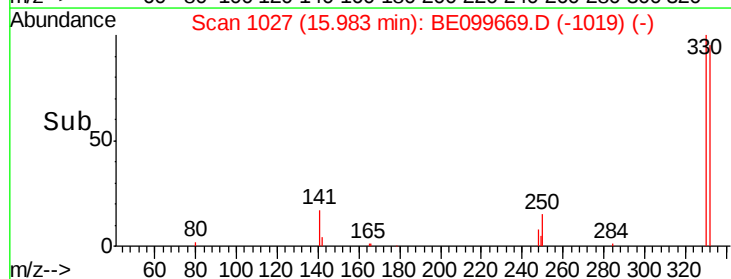
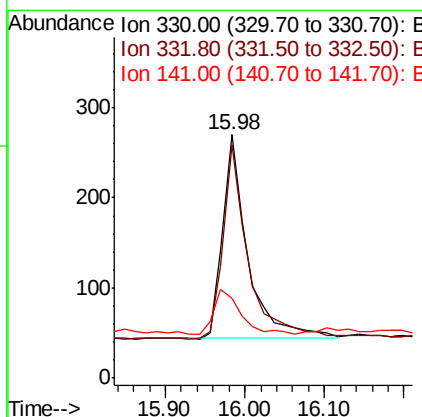
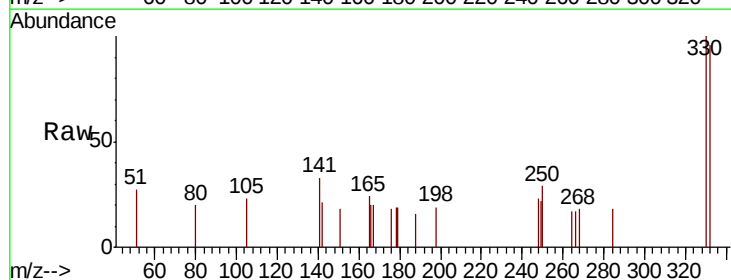
Instrument :
BNA_E
ClientSampleId :
PB119824BS

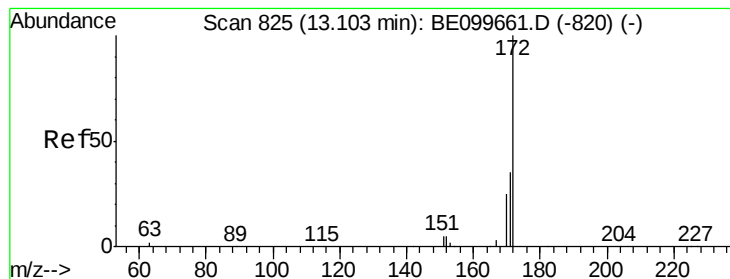
Tgt Ion:164 Resp: 3877
Ion Ratio Lower Upper
164 100
162 95.0 76.5 114.7
160 45.9 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099669.D
Acq: 20 May 2019 20:31

Tgt Ion:330 Resp: 496
Ion Ratio Lower Upper
330 100
332 99.0 77.3 115.9
141 22.6 18.9 28.3





#15

2-Fluorobiphenyl

Concen: 0.432 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

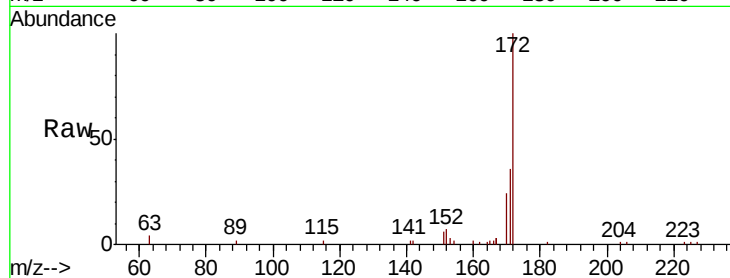
Tgt Ion:172 Resp: 6354

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

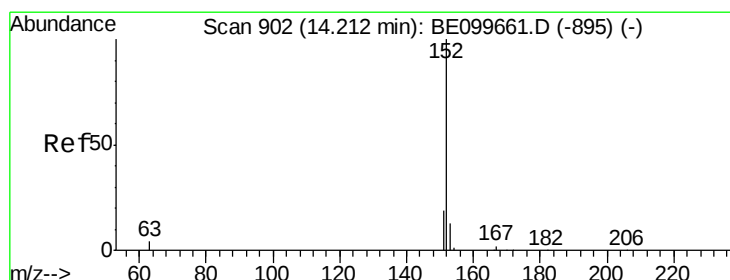
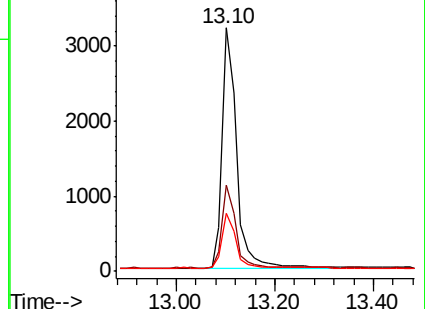
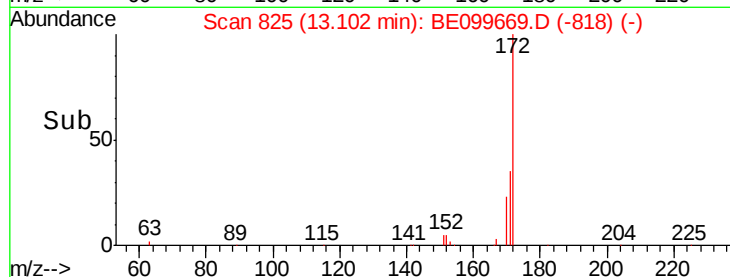
170 23.9 20.9 31.3



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: 0.391 ng

RT: 14.21 min Scan# 902

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

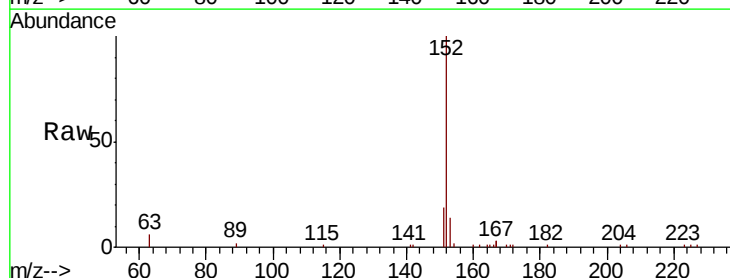
Tgt Ion:152 Resp: 7062

Ion Ratio Lower Upper

152 100

151 19.3 15.9 23.9

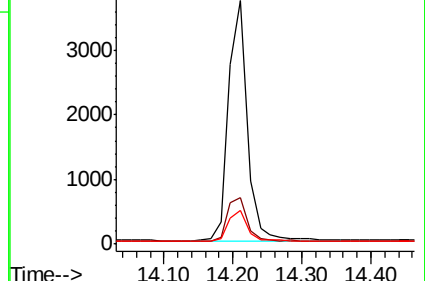
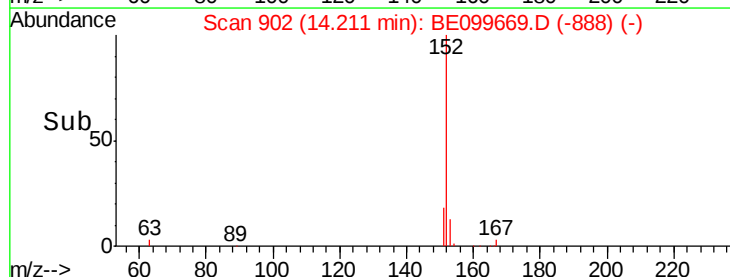
153 13.5 10.6 16.0

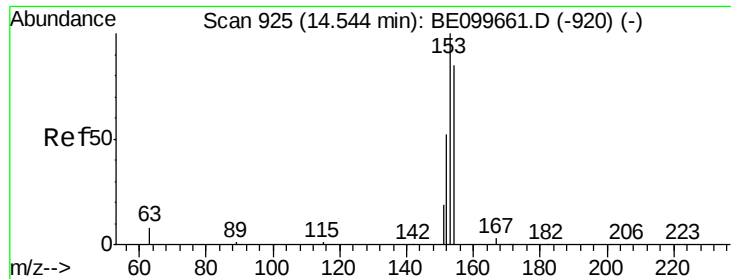


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.396 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

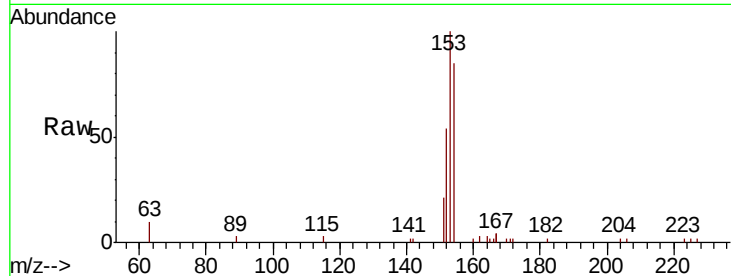
Tgt Ion:154 Resp: 4018

Ion Ratio Lower Upper

154 100

153 114.0 91.8 137.6

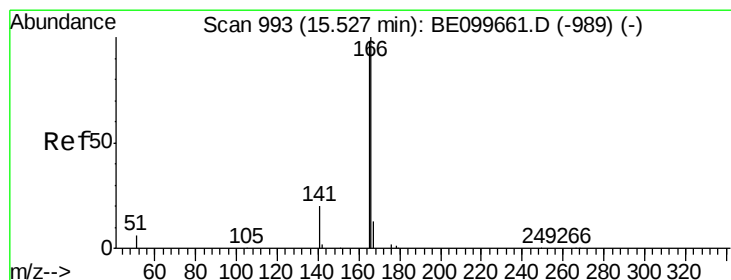
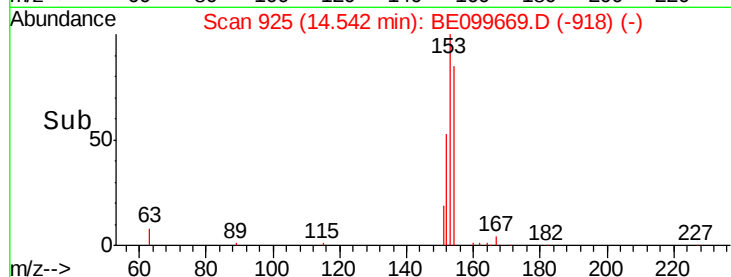
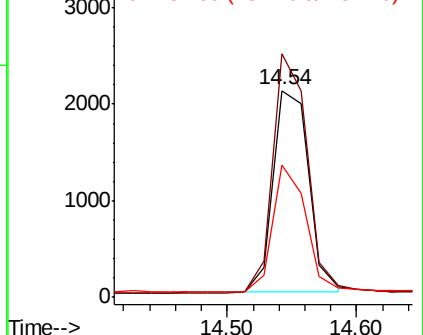
152 58.6 46.0 69.0



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: 0.371 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

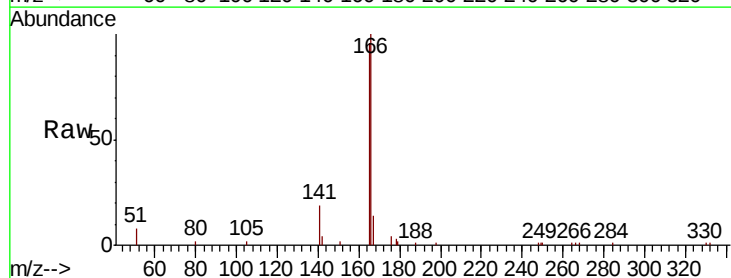
Tgt Ion:166 Resp: 5543

Ion Ratio Lower Upper

166 100

165 99.2 80.3 120.5

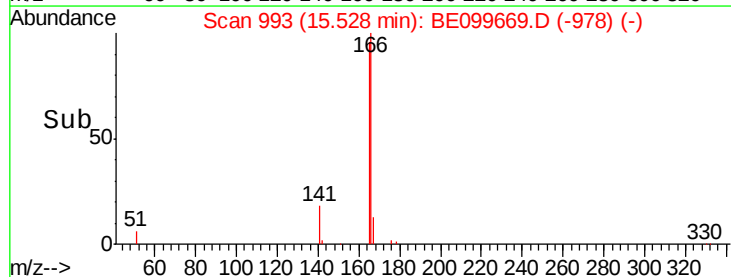
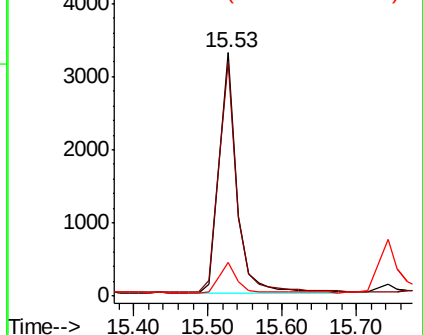
167 12.9 10.6 16.0

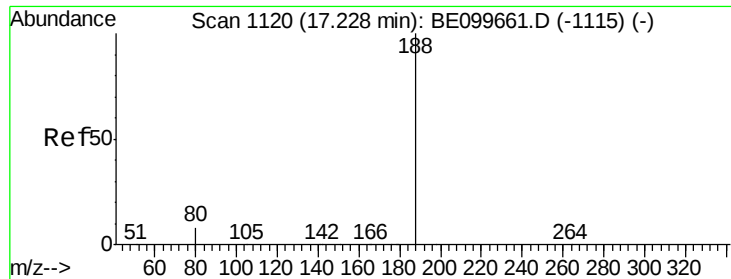


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

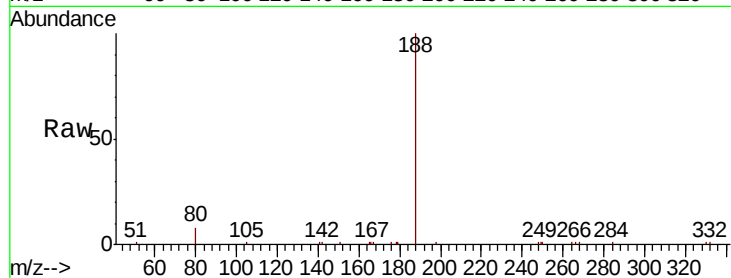
Tgt Ion:188 Resp: 10185

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

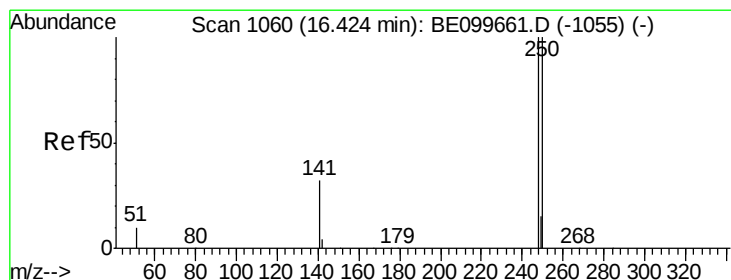
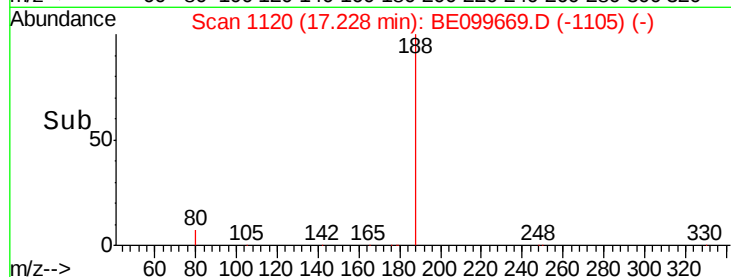
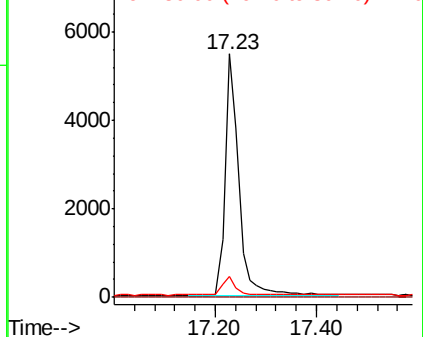
80 8.4 6.7 10.1



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: 0.396 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

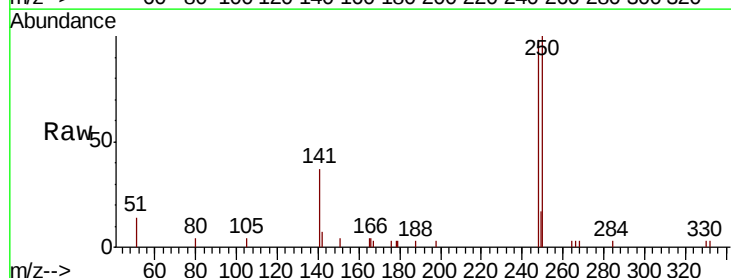
Tgt Ion:248 Resp: 2328

Ion Ratio Lower Upper

248 100

250 101.8 79.8 119.8

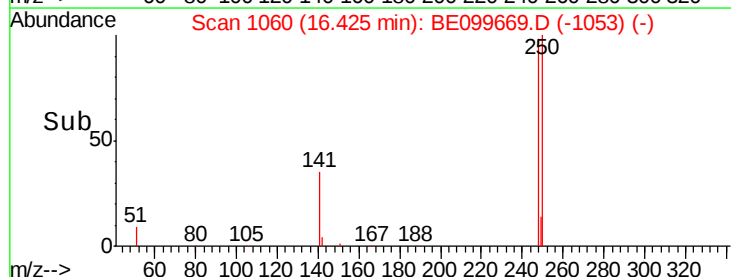
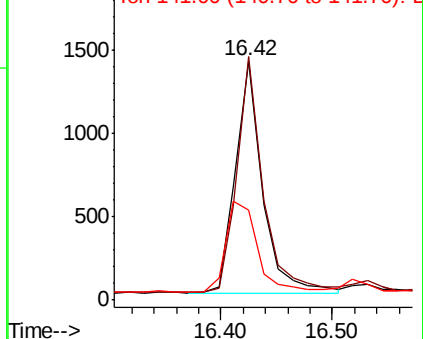
141 37.7 27.0 40.6

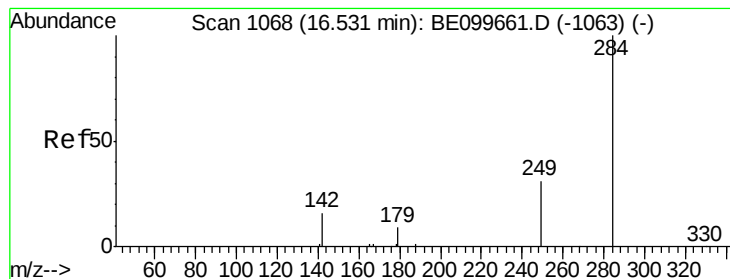


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

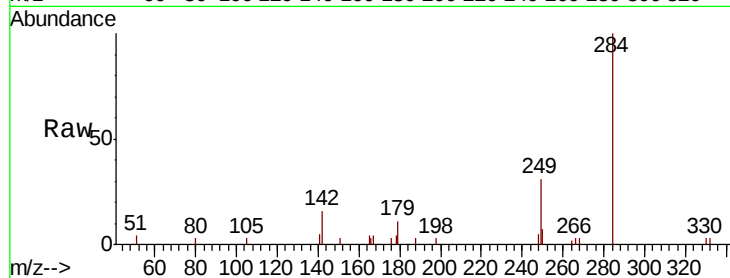
Tgt Ion:284 Resp: 2546

Ion Ratio Lower Upper

284 100

142 21.6 17.8 26.6

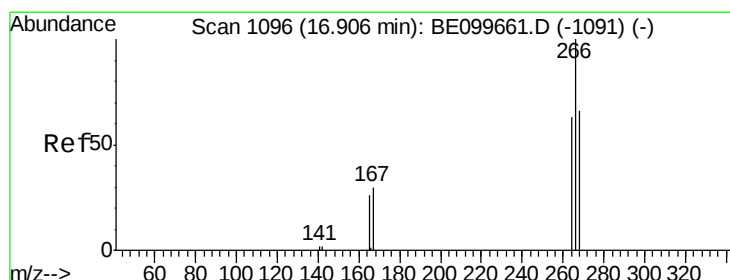
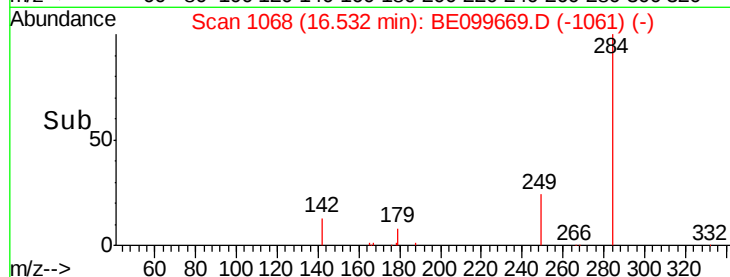
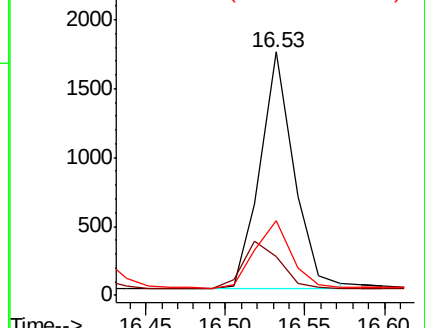
249 30.7 24.8 37.2



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: 0.537 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

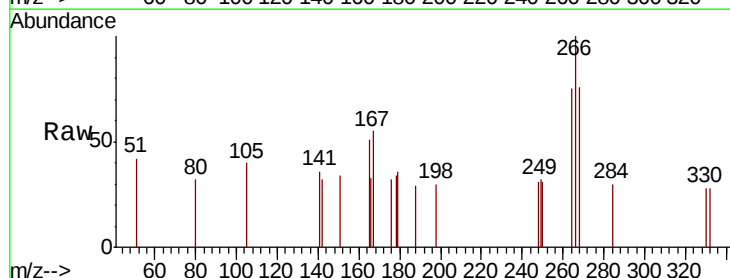
Tgt Ion:266 Resp: 670

Ion Ratio Lower Upper

266 100

264 75.0 57.2 85.8

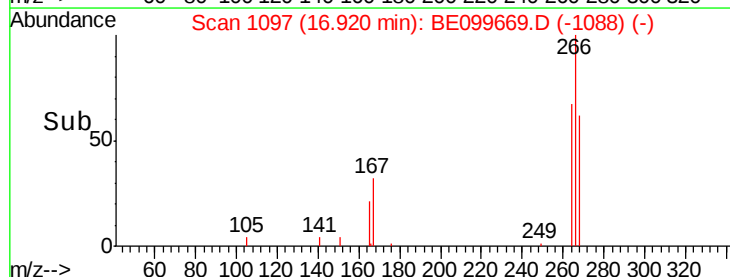
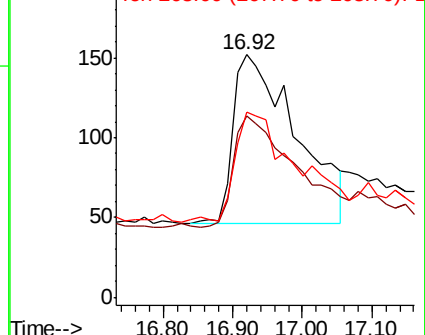
268 76.3 60.5 90.7

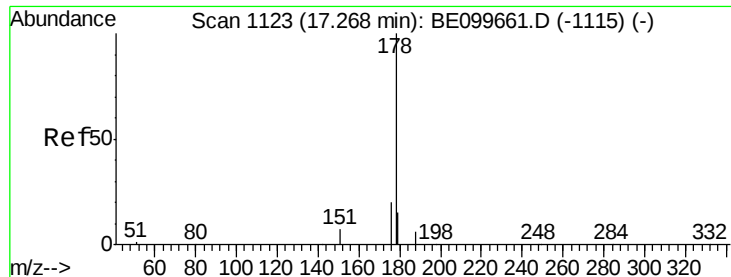


Abundance Ion 266.00 (265.70 to 266.70): E

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: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

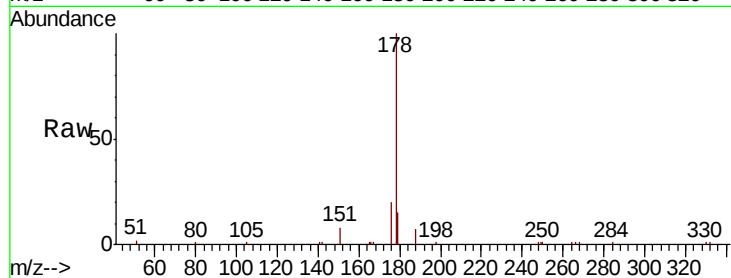
Tgt Ion:178 Resp: 9878

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

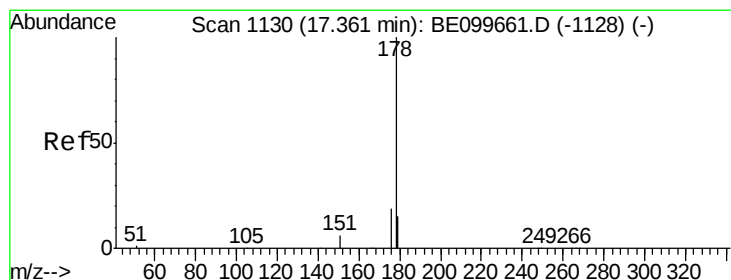
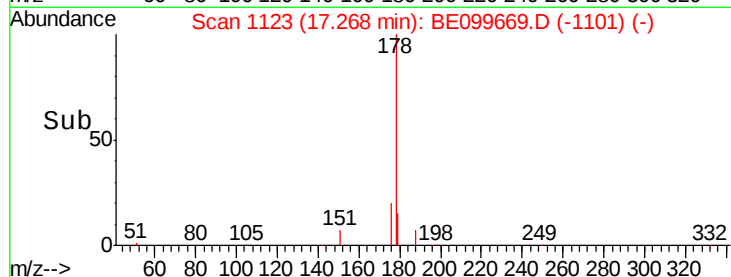
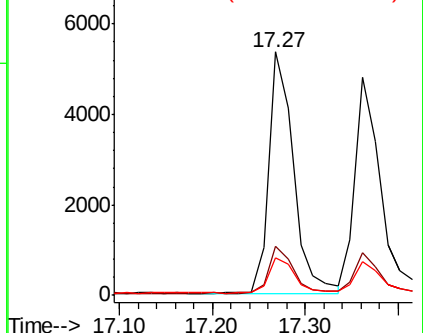
179 15.4 12.2 18.4



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: 0.368 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

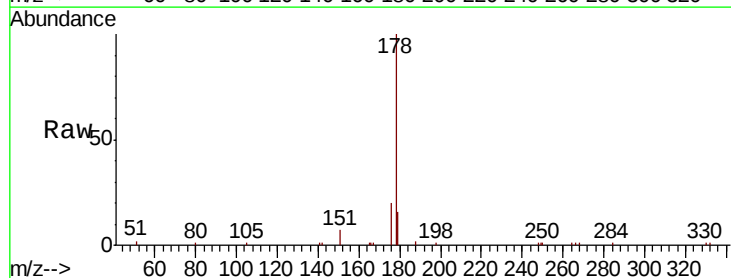
Tgt Ion:178 Resp: 8314

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

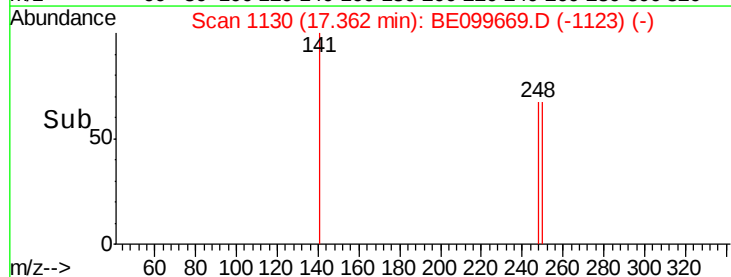
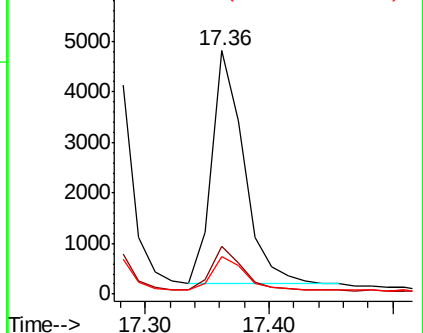
179 15.2 12.0 18.0

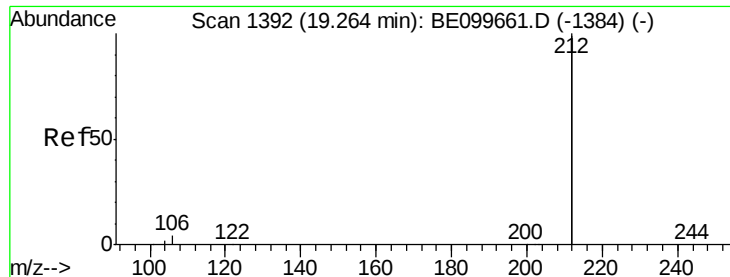


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

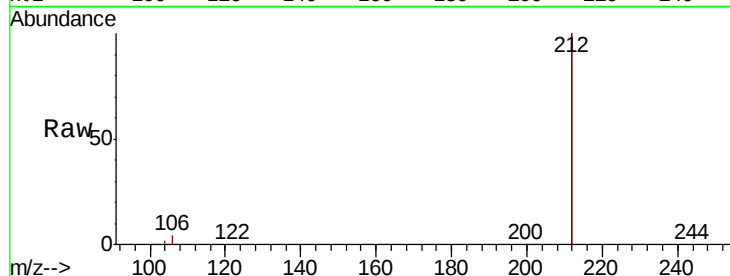
Tgt Ion:212 Resp: 50053

Ion Ratio Lower Upper

212 100

106 1.7 1.4 2.2

104 1.0 0.8 1.2

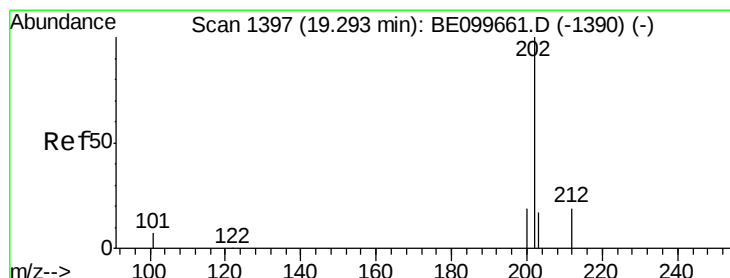
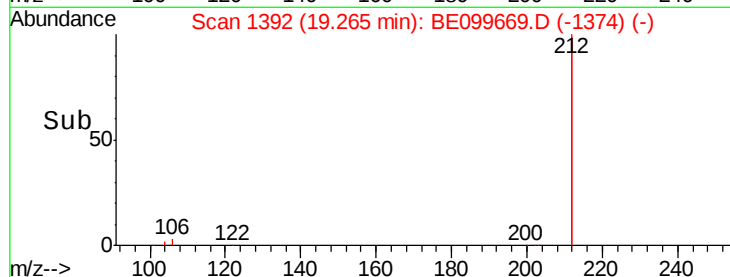
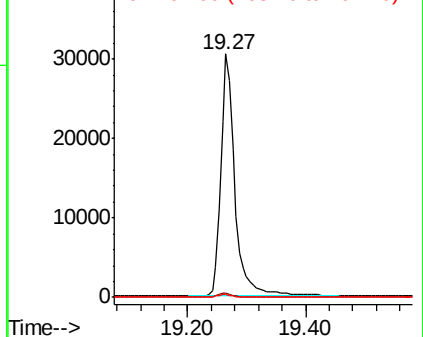


Abundance

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: 0.362 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

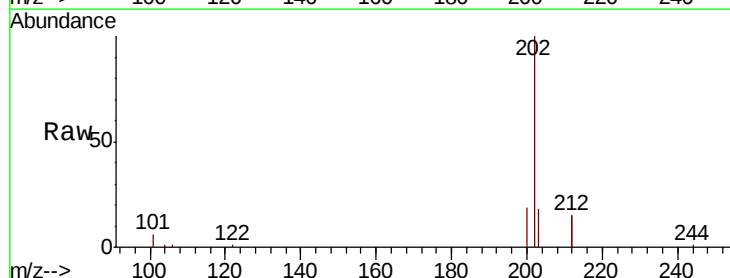
Tgt Ion:202 Resp: 14242

Ion Ratio Lower Upper

202 100

101 6.8 5.2 7.8

203 17.0 13.8 20.6

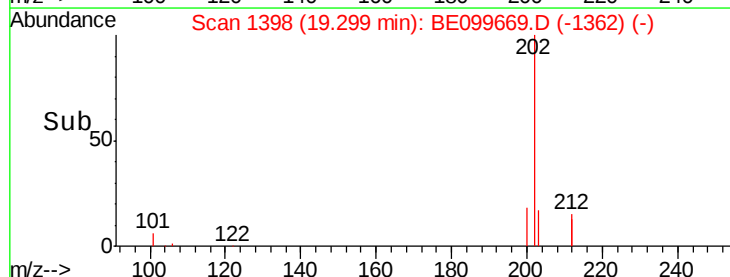
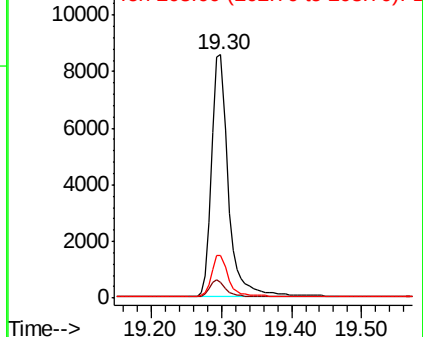


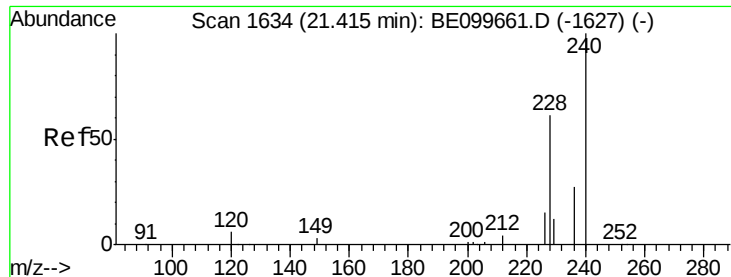
Abundance

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: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

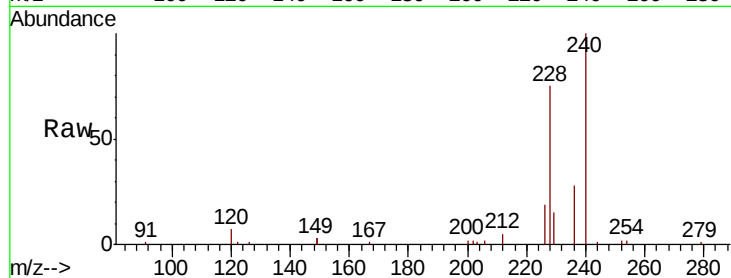
Tgt Ion:240 Resp: 15336

Ion Ratio Lower Upper

240 100

120 6.8 5.4 8.0

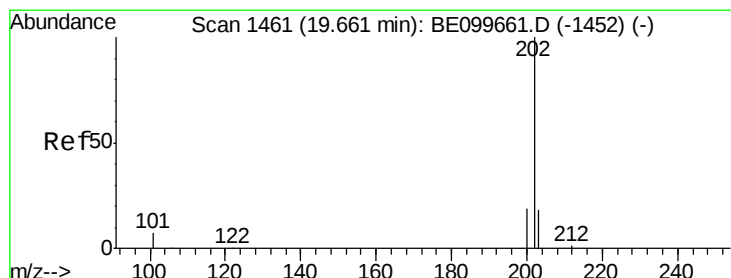
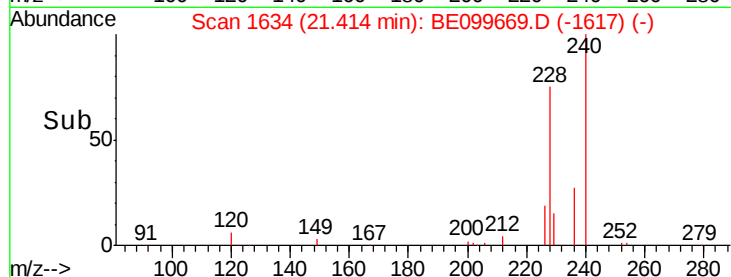
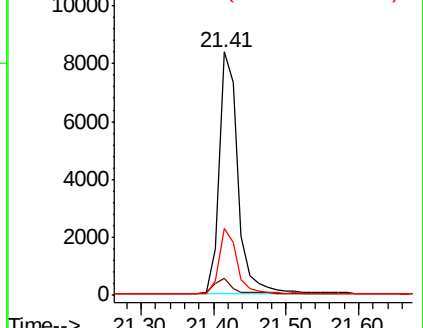
236 27.6 21.7 32.5



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: 0.381 ng

RT: 19.66 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

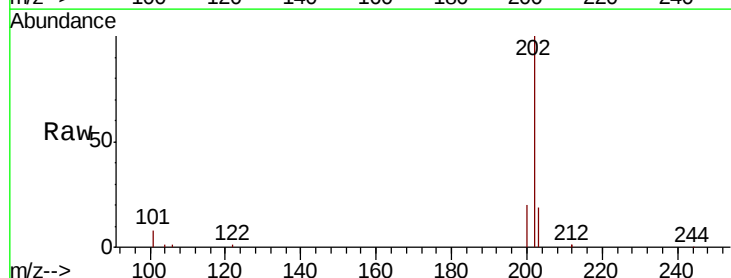
Tgt Ion:202 Resp: 14678

Ion Ratio Lower Upper

202 100

200 19.3 15.4 23.2

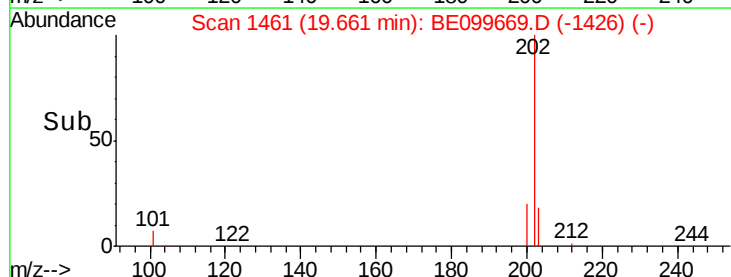
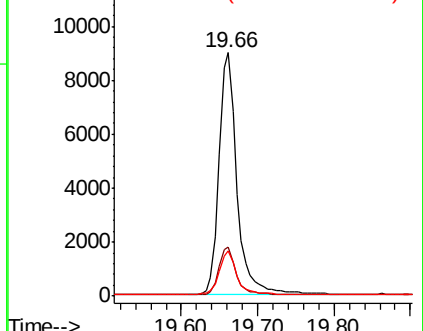
203 17.7 13.8 20.8

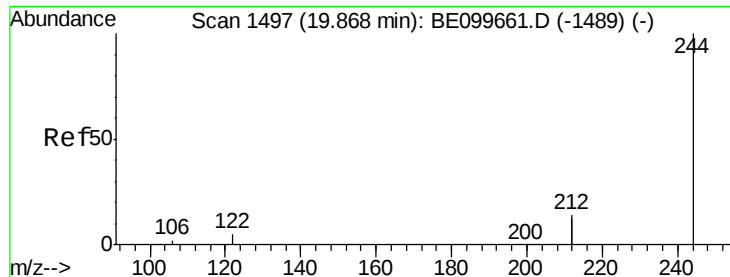


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.409 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

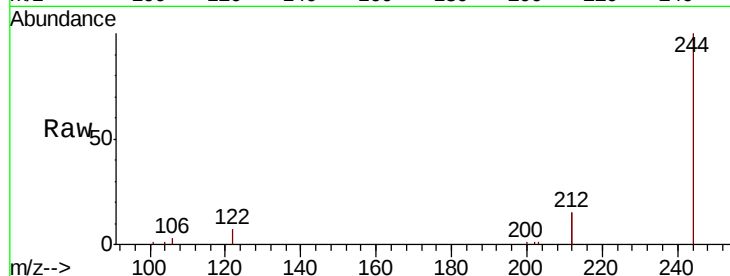
Tgt Ion:244 Resp: 11205

Ion Ratio Lower Upper

244 100

212 29.8 22.5 33.7

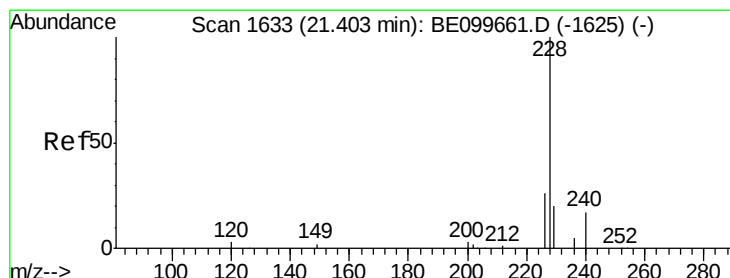
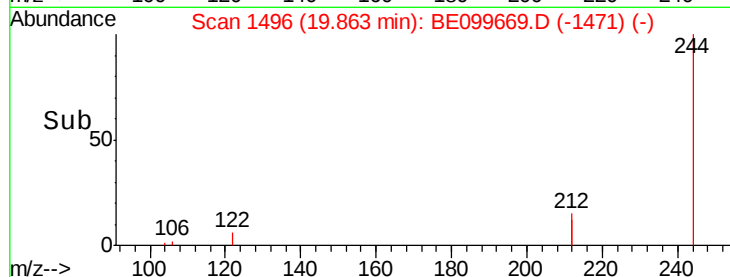
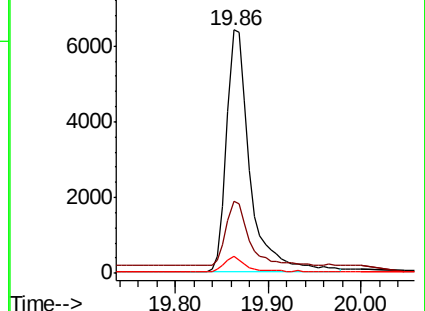
122 7.0 4.3 6.5#



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: 0.431 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

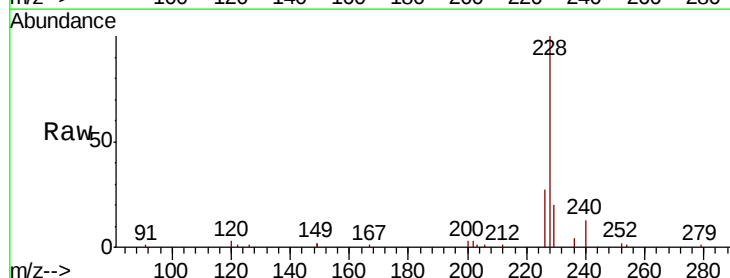
Tgt Ion:228 Resp: 18795

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

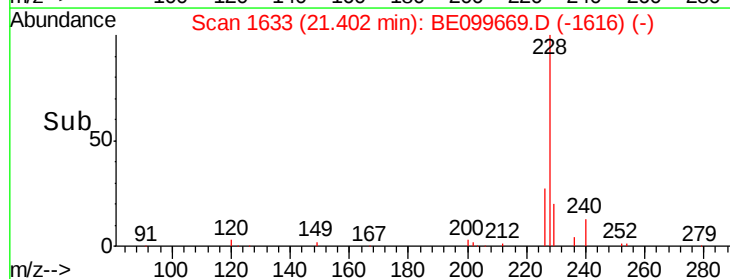
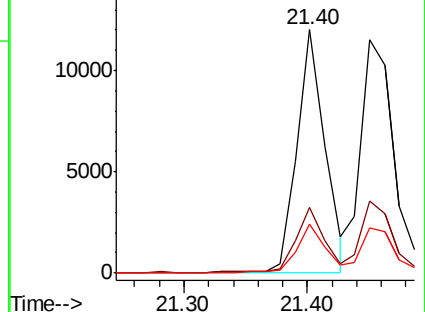
229 20.2 16.1 24.1

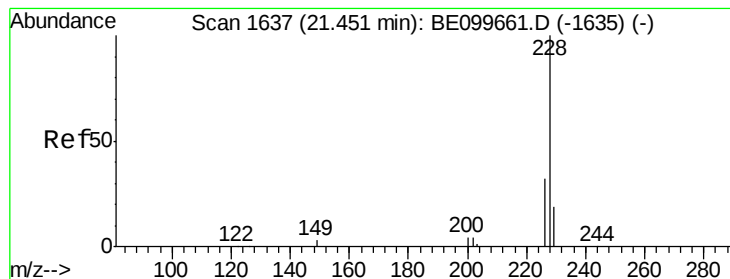


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.446 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

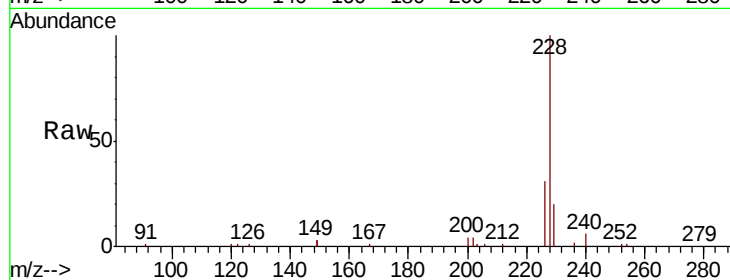
Tgt Ion:228 Resp: 20768

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

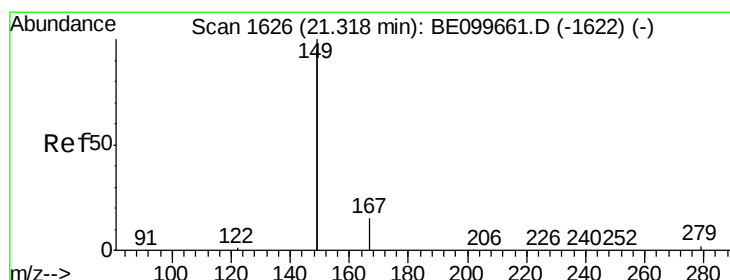
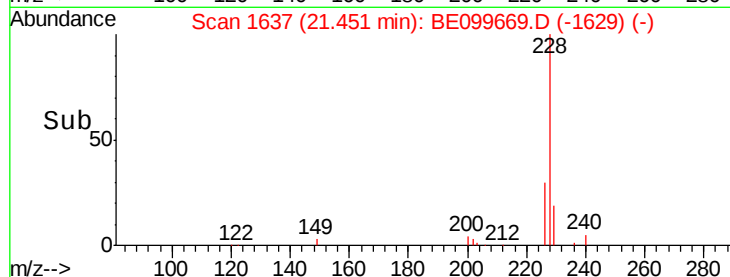
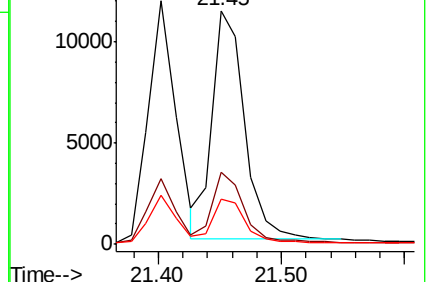
229 19.6 15.8 23.6



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: 0.344 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

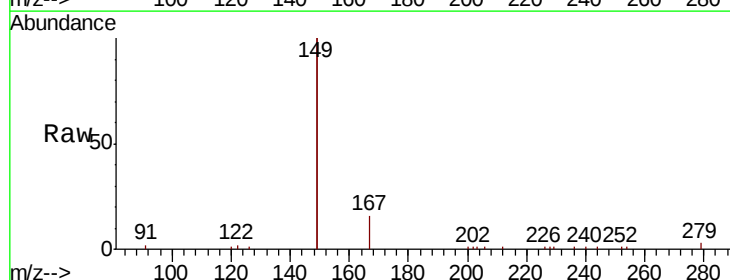
Tgt Ion:149 Resp: 17292

Ion Ratio Lower Upper

149 100

167 7.7 6.2 9.4

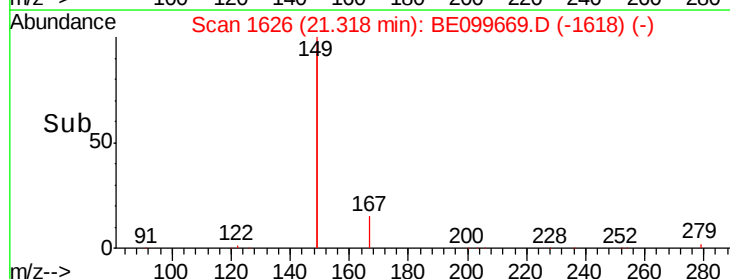
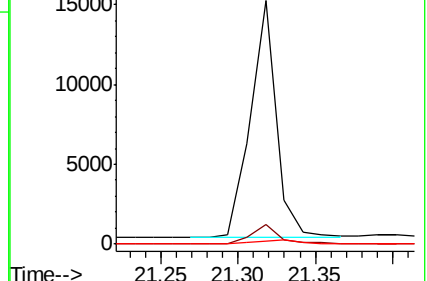
279 1.6 1.2 1.8

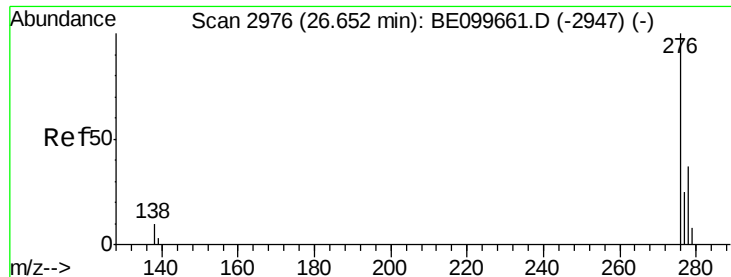


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.456 ng

RT: 26.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

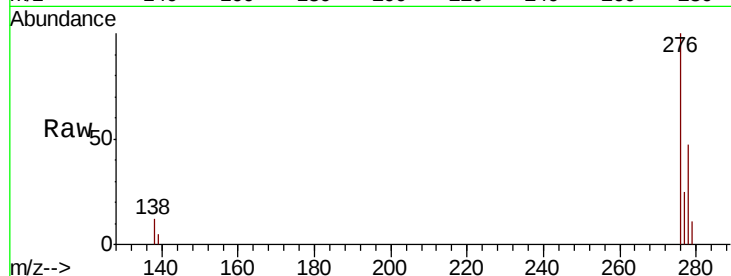
Tgt Ion:276 Resp: 25667

Ion Ratio Lower Upper

276 100

138 12.2 9.6 14.4

277 24.1 19.2 28.8

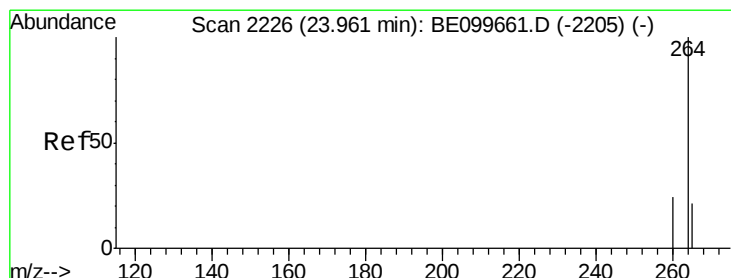
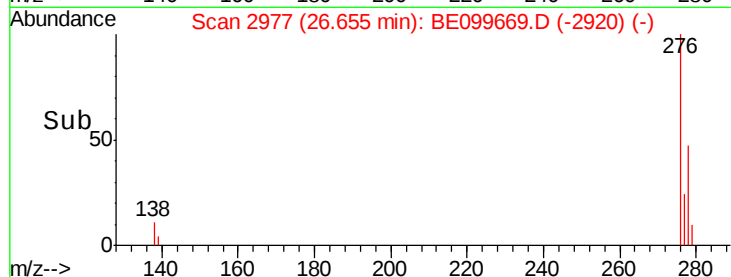
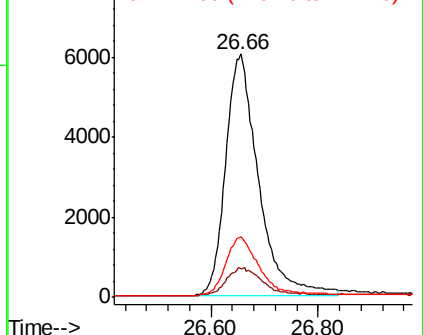


Abundance

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: 23.96 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

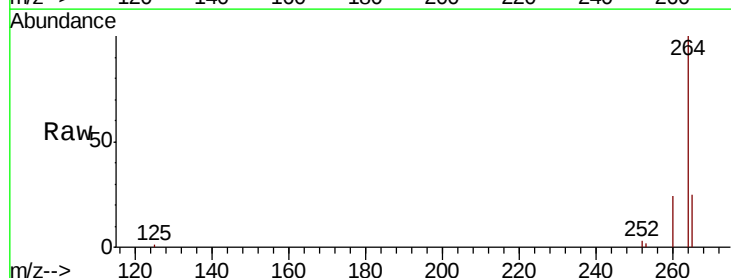
Tgt Ion:264 Resp: 18708

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

265 24.7 19.1 28.7

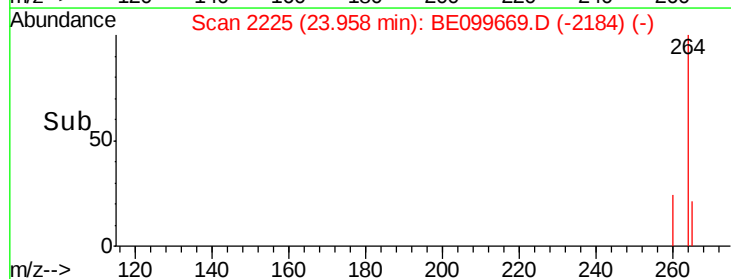
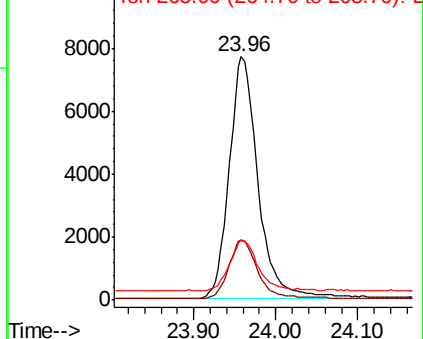


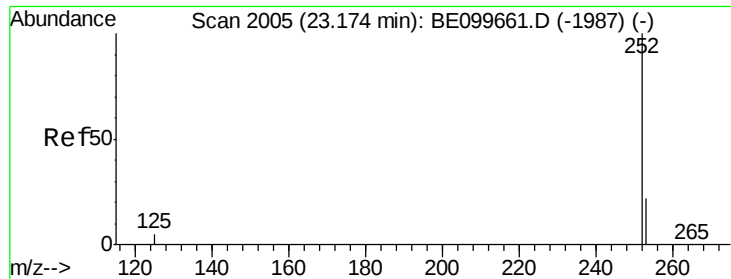
Abundance

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: 0.401 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

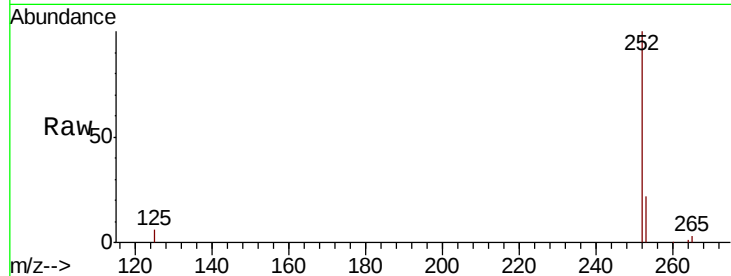
Tgt Ion:252 Resp: 20546

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

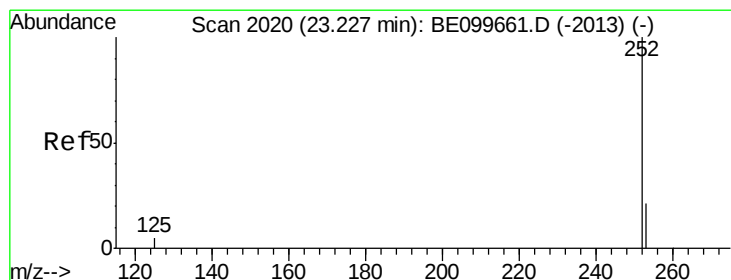
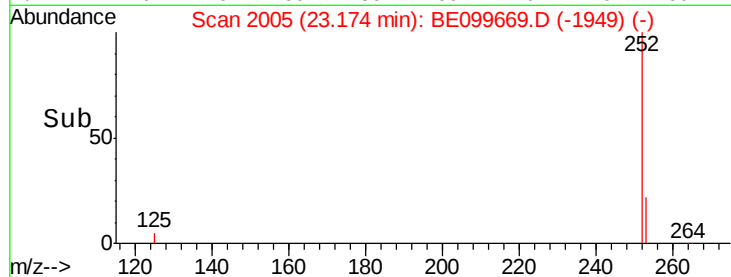
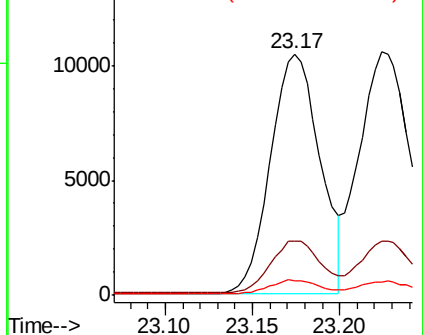
125 6.2 4.5 6.7



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: 0.445 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

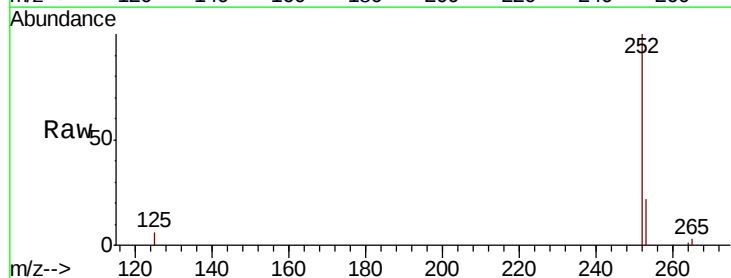
Tgt Ion:252 Resp: 23772

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

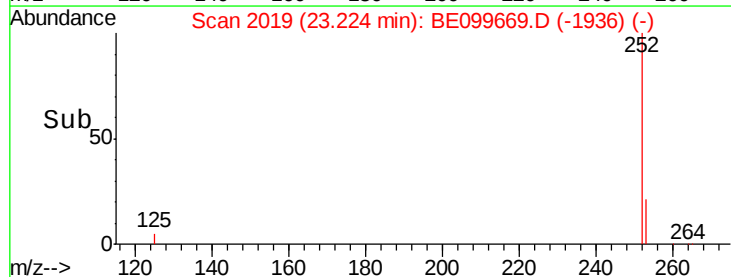
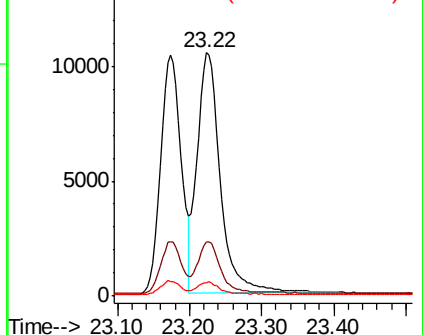
125 5.5 4.6 6.8

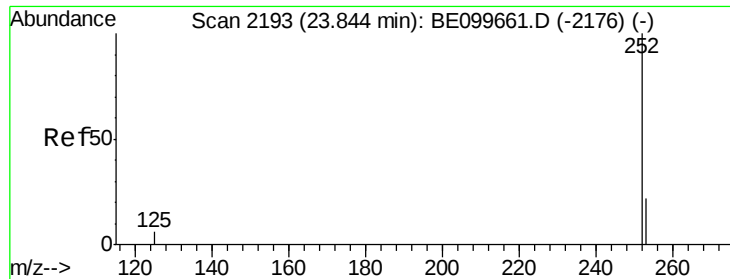


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.417 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

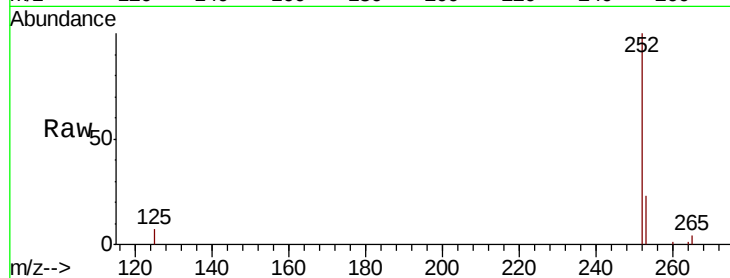
Tgt Ion:252 Resp: 20581

Ion Ratio Lower Upper

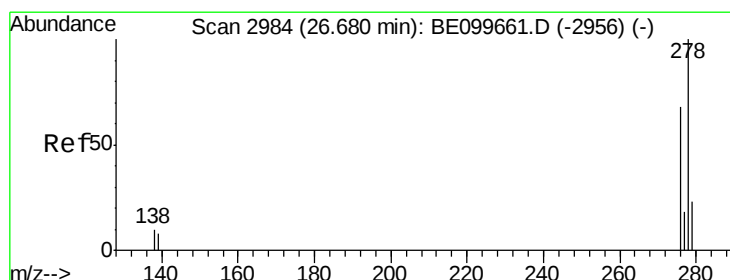
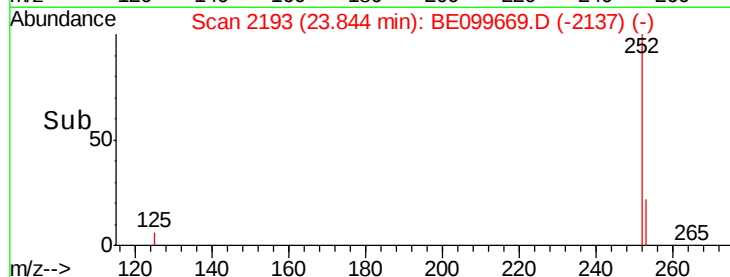
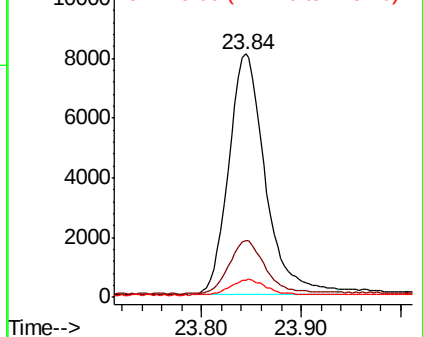
252 100

253 23.1 18.9 28.3

125 7.0 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: 0.410 ng

RT: 26.68 min Scan# 2985

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

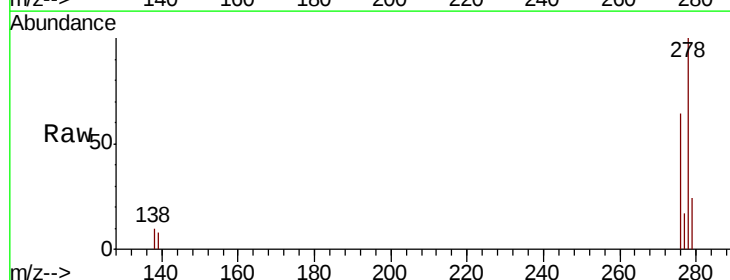
Tgt Ion:278 Resp: 21230

Ion Ratio Lower Upper

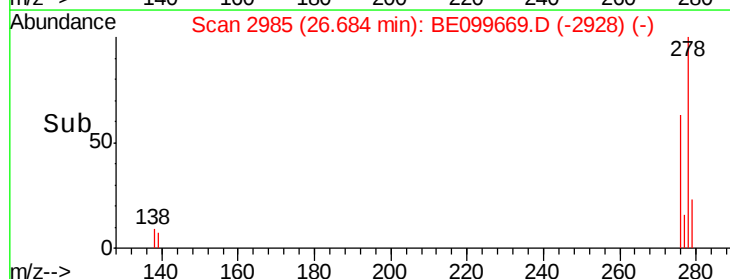
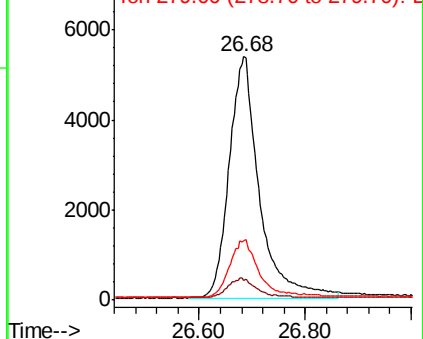
278 100

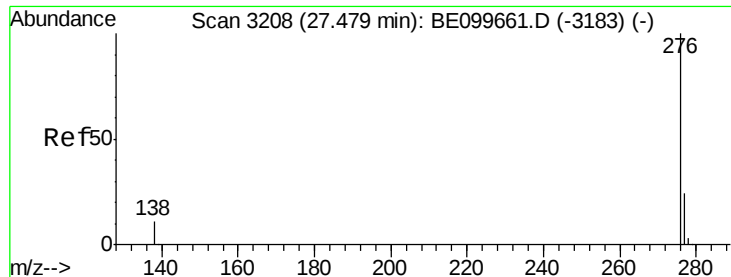
139 8.3 6.9 10.3

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(g,h,i)perylene

Concen: 0.425 ng

RT: 27.48 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BE099669.D

Acq: 20 May 2019 20:31

Instrument :

BNA_E

ClientSampleId :

PB119824BS

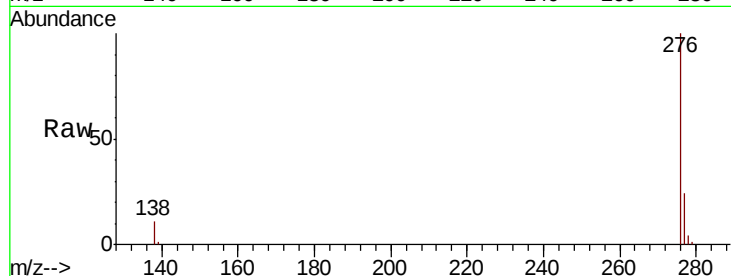
Tgt Ion: 276 Resp: 22228

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.6

138 11.1 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

