

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099664.D
 Acq On : 20 May 2019 14:14
 Operator : JU/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 20 15:45:55 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	7.80	152	1628	0.40	ng	-0.01
7) Naphthalene-d8	10.62	136	5833	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4172	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12348	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20805	0.40	ng	0.00
34) Perylene-d12	23.96	264	22084	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	14240	3.08	ng	0.00
5) Phenol-d6	6.96	99	19491	3.33	ng	-0.01
8) Nitrobenzene-d5	8.97	82	19076	3.38	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	34248	3.49	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	9990	3.50	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	52448	3.26	ng	0.00
25) Fluoranthene-d10	19.26	212	579221	3.53	ng	0.00
29) Terphenyl-d14	19.86	244	123273	3.29	ng	0.00

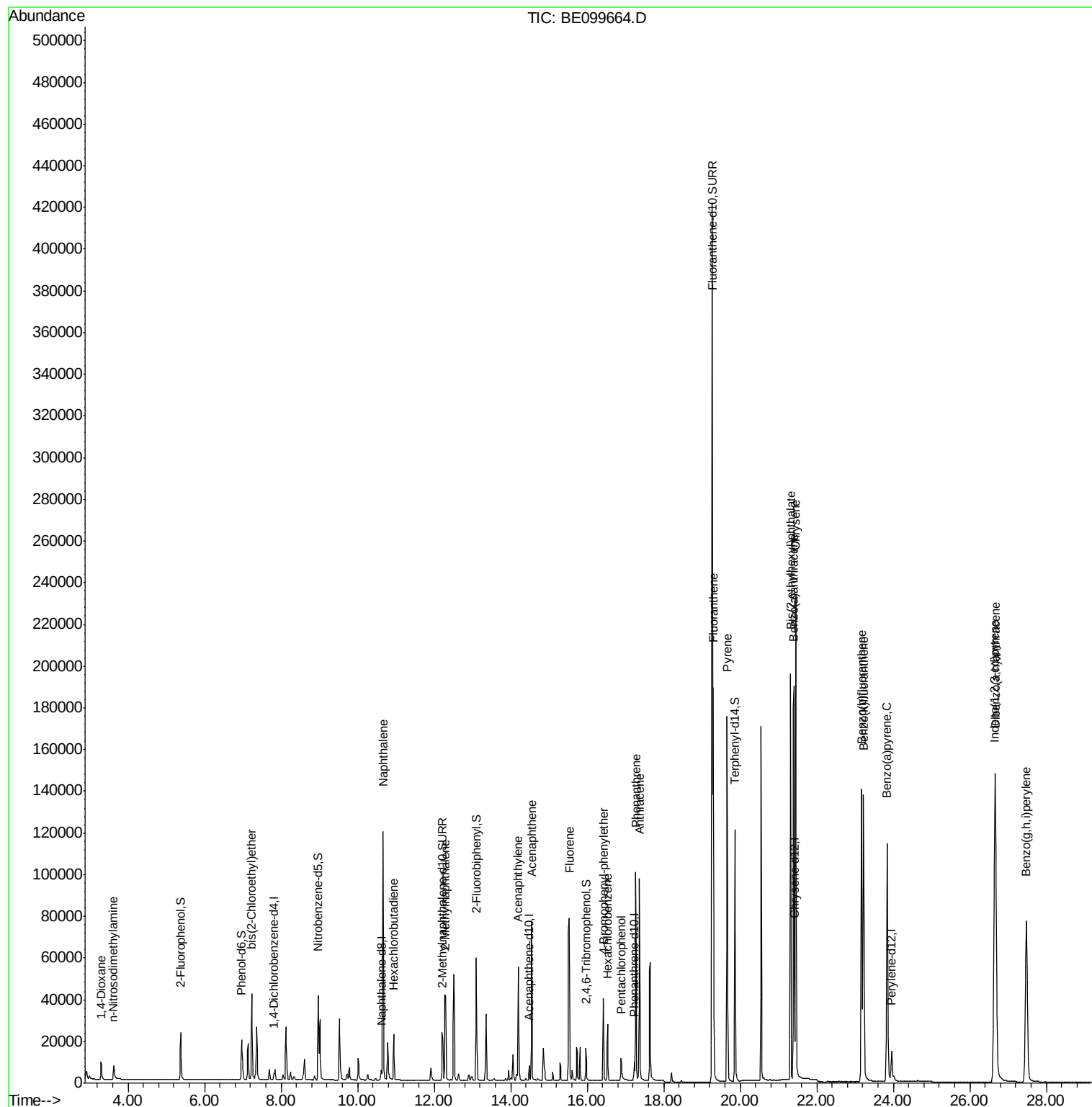
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	7448	3.102	ng	94
3) n-Nitrosodimethylamine	3.61	42	4451	2.907	ng	# 78
6) bis(2-Chloroethyl)ether	7.23	93	16552	3.359	ng	98
9) Naphthalene	10.67	128	207648	3.345	ng	99
10) Hexachlorobutadiene	10.94	225	15097	3.325	ng	97
12) 2-Methylnaphthalene	12.30	142	35460	3.459	ng	96
16) Acenaphthylene	14.20	152	68069	3.455	ng	99
17) Acenaphthene	14.54	154	37147	3.341	ng	99
18) Fluorene	15.53	166	54799	3.435	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	24684	3.467	ng	# 91
21) Hexachlorobenzene	16.53	284	24556	3.511	ng	100
22) Pentachlorophenol	16.88	266	9666	3.464	ng	# 86
23) Phenanthrene	17.27	178	102607	3.347	ng	100
24) Anthracene	17.36	178	99660	3.525	ng	99
26) Fluoranthene	19.29	202	165025	3.559	ng	99
28) Pyrene	19.66	202	169022	3.187	ng	100
30) Benzo(a)anthracene	21.40	228	201937	3.212	ng	99
31) Chrysene	21.45	228	205170	3.168	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	227514	2.347	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	258229	3.204	ng	99
35) Benzo(b)fluoranthene	23.17	252	206170	3.339	ng	98
36) Benzo(k)fluoranthene	23.22	252	210737	3.456	ng	99
37) Benzo(a)pyrene	23.84	252	197456	3.301	ng	97
38) Dibenzo(a,h)anthracene	26.67	278	214133	3.452	ng	99
39) Benzo(g,h,i)perylene	27.48	276	212173	3.402	ng	98

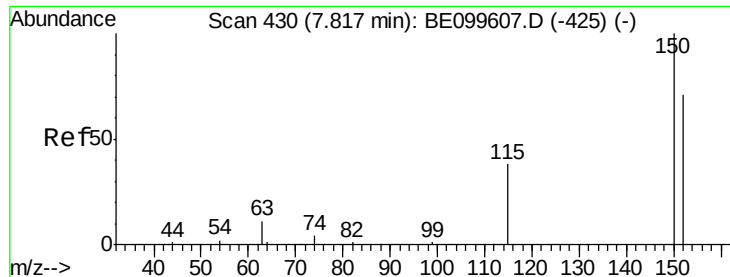
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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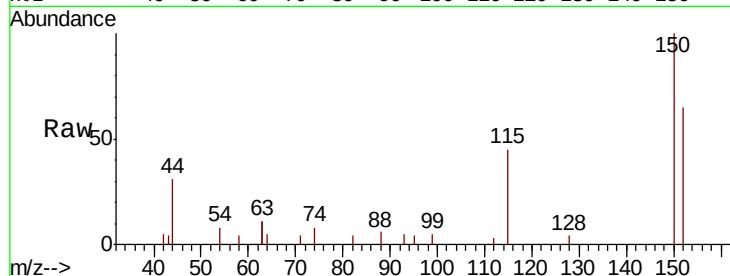


#1

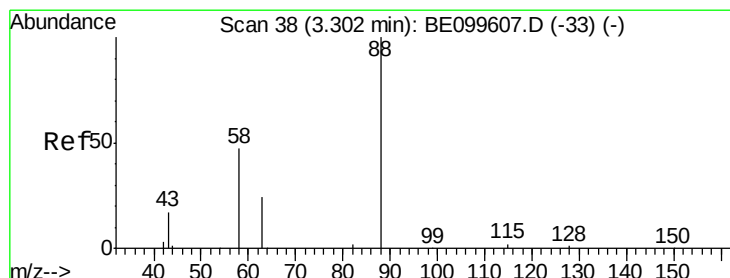
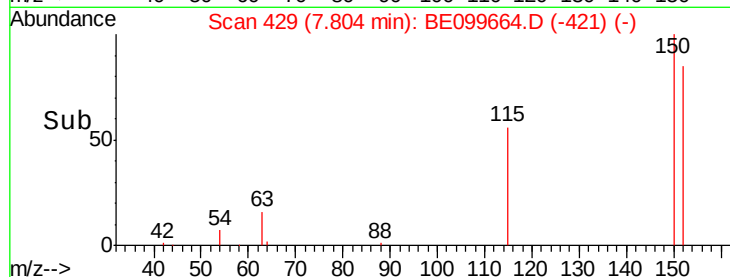
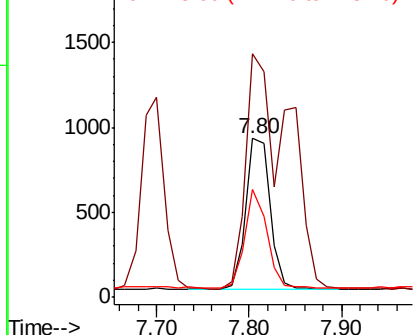
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099664.D
Acq: 20 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1628
Ion Ratio Lower Upper
152 100
150 153.1 109.2 163.8
115 68.2 43.7 65.5#



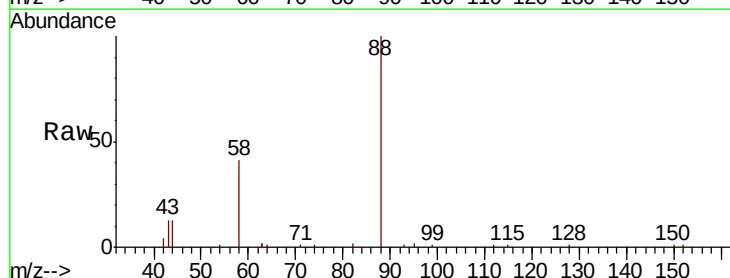
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



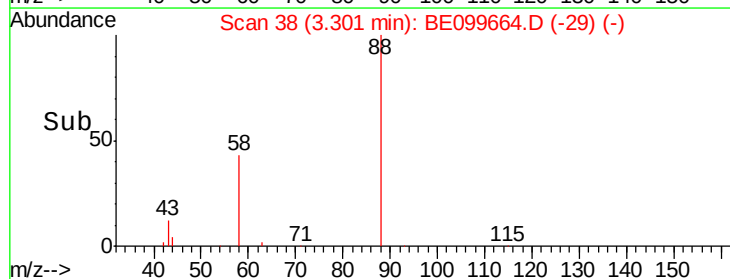
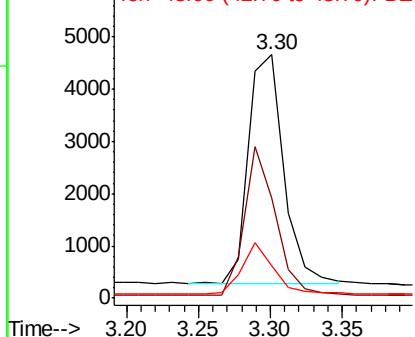
#2

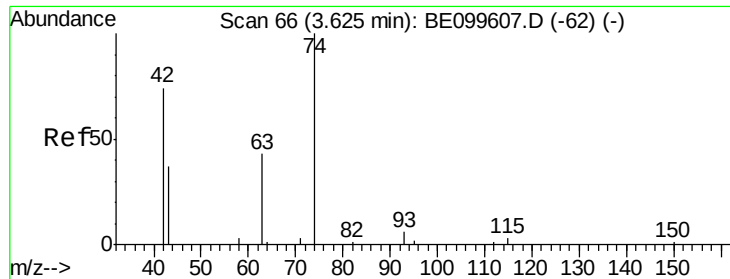
1,4-Dioxane
Concen: 3.102 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099664.D
Acq: 20 May 2019 14:14

Tgt Ion: 88 Resp: 7448
Ion Ratio Lower Upper
88 100
58 57.6 41.8 62.8
43 19.6 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



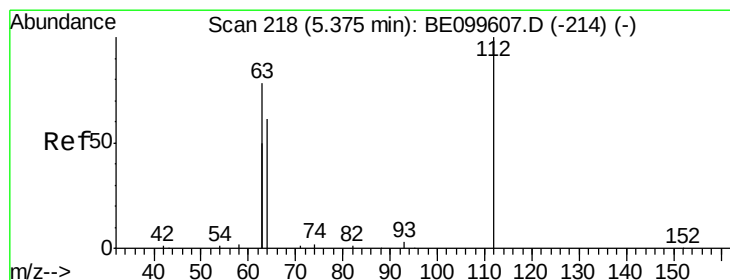
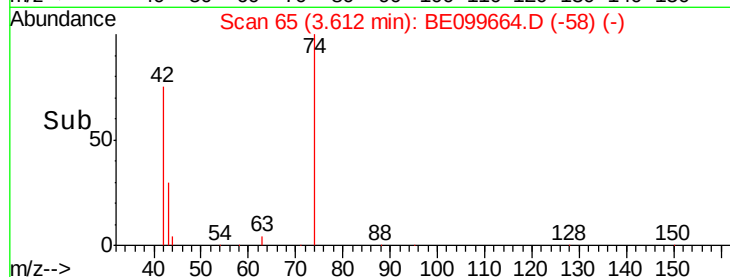
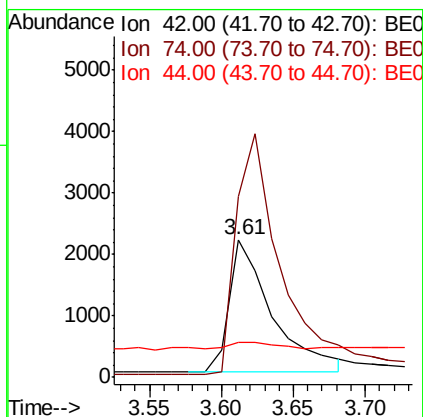
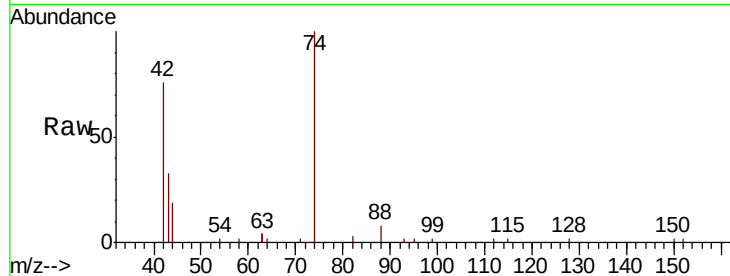


#3

n-Nitrosodimethylamine
 Concen: 2.907 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.02 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

Instrument :
 BNA_E
 ClientSampled :

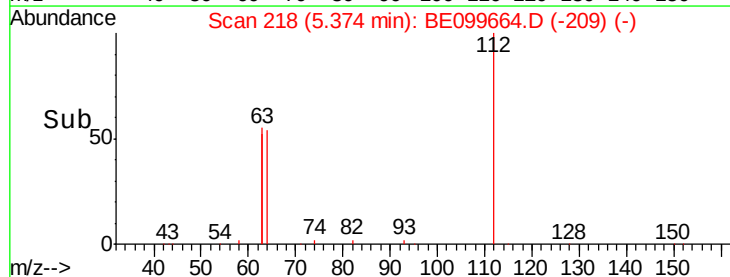
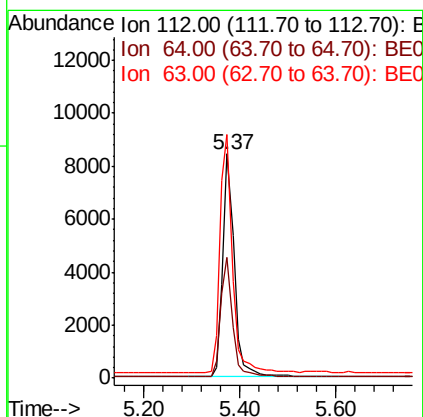
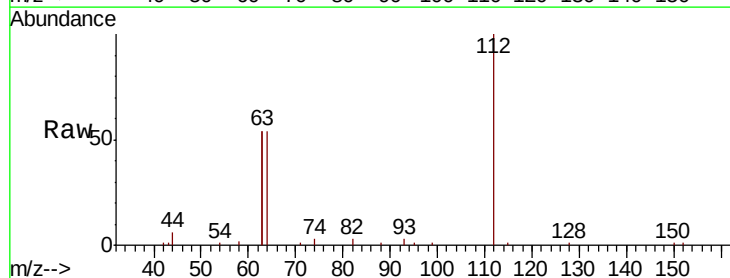
Tot Ion: 42 Resp: 4451
 Ion Ratio Lower Upper
 42 100
 74 189.8 128.4 192.6
 44 8.3 0.0 0.0#

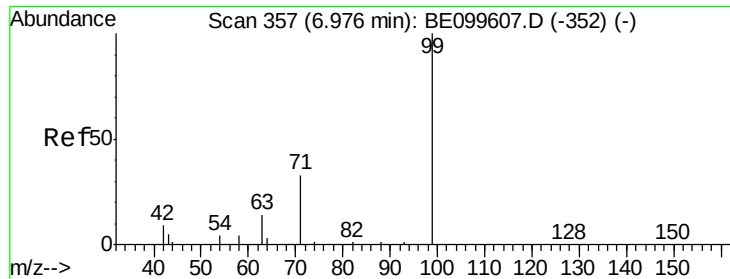


#4

2-Fluorophenol
 Concen: 3.081 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

Tgt Ion: 112 Resp: 14240
 Ion Ratio Lower Upper
 112 100
 64 54.7 43.4 65.2
 63 113.9 96.9 145.3





#5

Phenol-d6

Concen: 3.327 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

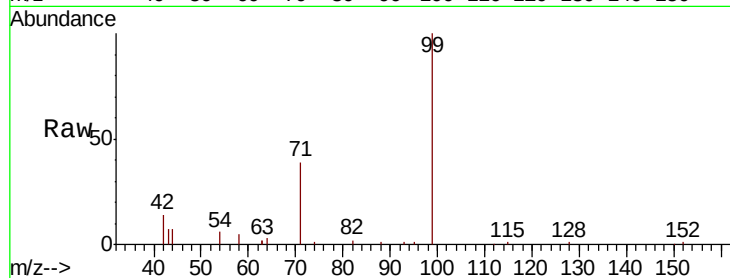
Tot Ion: 99 Resp: 19491

Ion Ratio Lower Upper

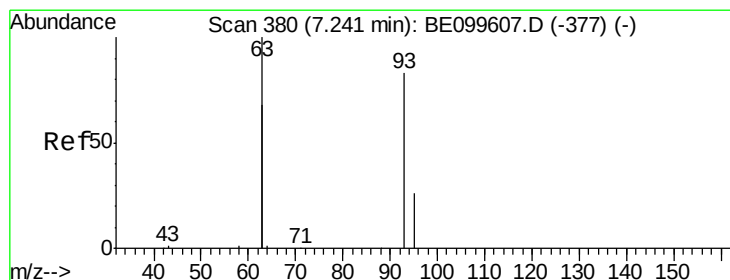
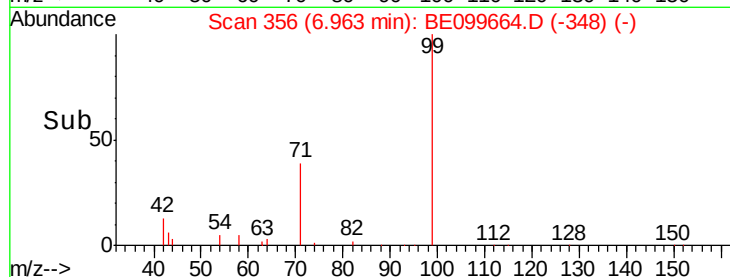
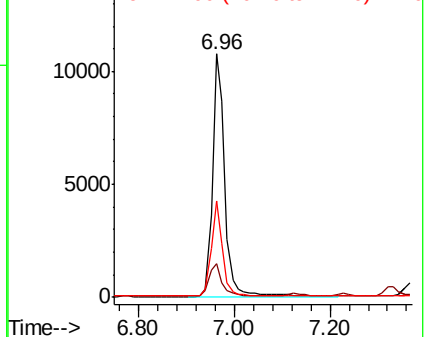
99 100

42 13.6 12.2 18.2

71 36.2 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: 3.359 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

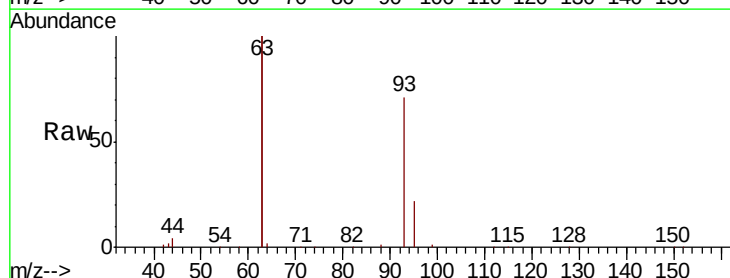
Tgt Ion: 93 Resp: 16552

Ion Ratio Lower Upper

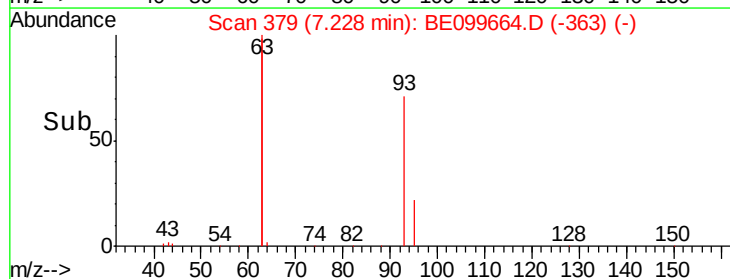
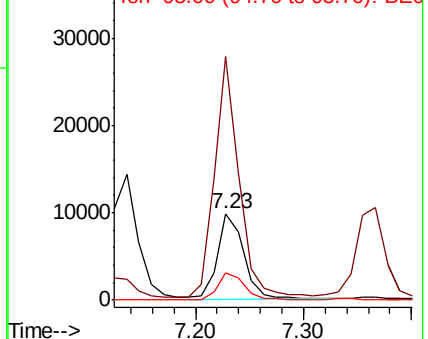
93 100

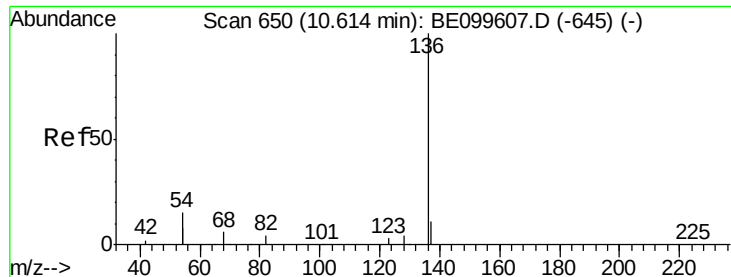
63 263.1 207.8 311.6

95 32.0 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: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 5833

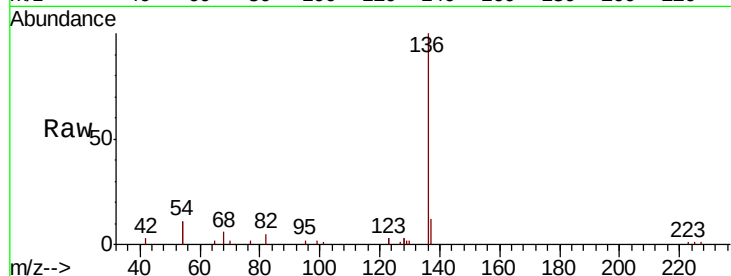
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 21.5 22.3 33.5#

68 5.9 6.0 9.0#

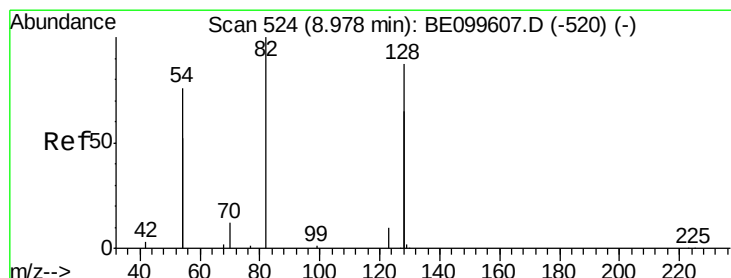
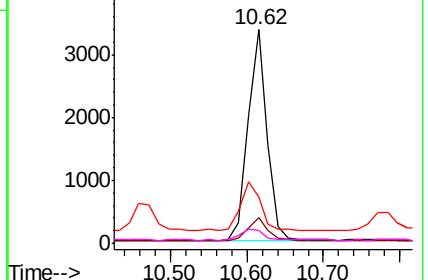
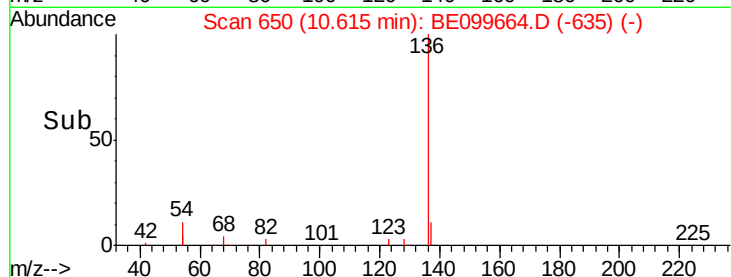


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.378 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

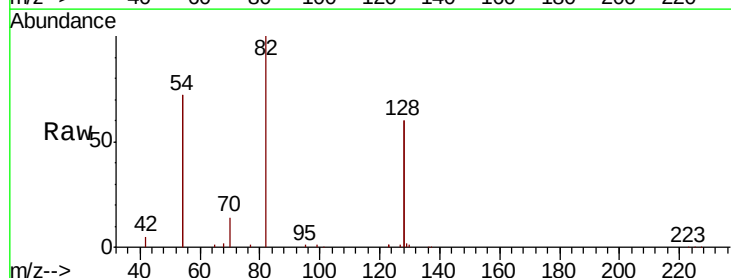
Tgt Ion: 82 Resp: 19076

Ion Ratio Lower Upper

82 100

128 119.1 117.7 176.5

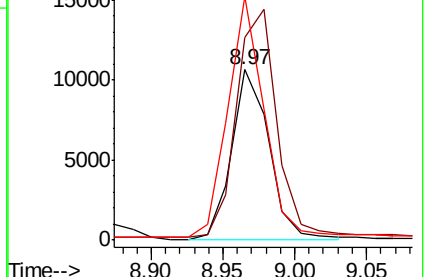
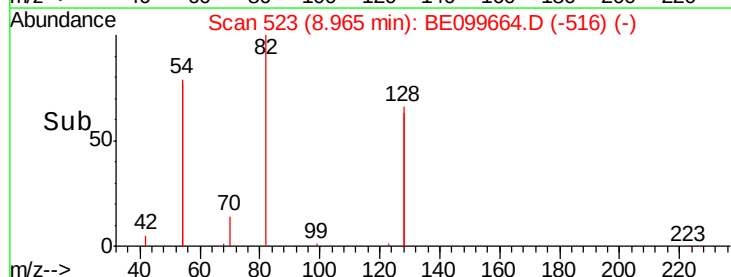
54 143.1 106.6 160.0

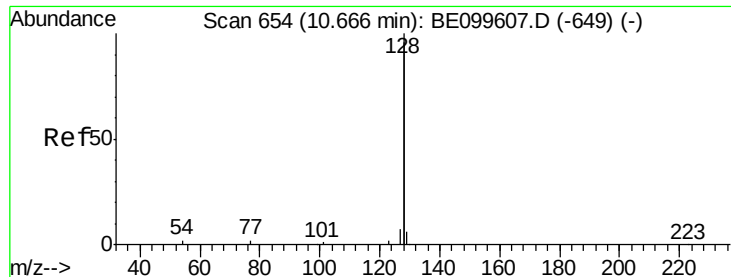


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.345 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

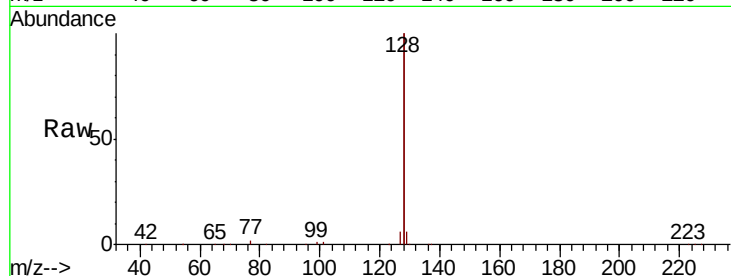
Tot Ion:128 Resp: 207648

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

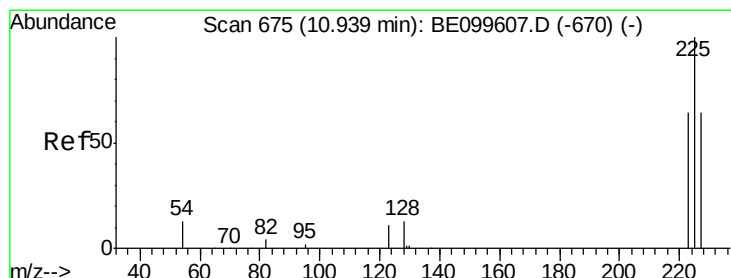
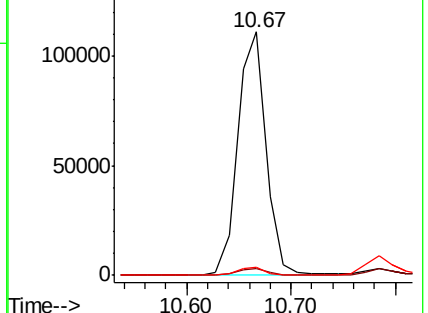
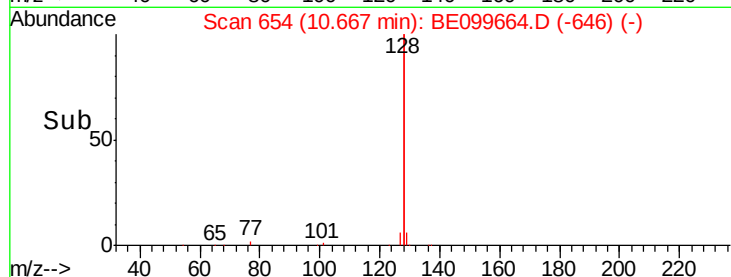
127 3.2 2.9 4.3



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: 3.325 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

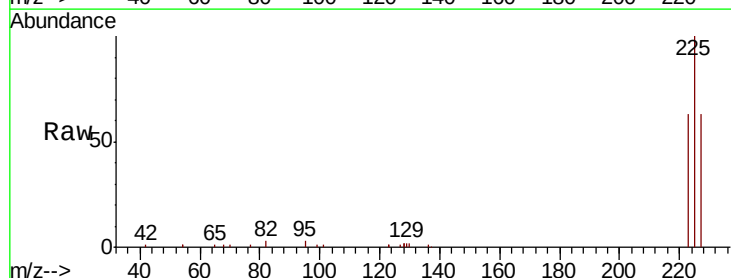
Tgt Ion:225 Resp: 15097

Ion Ratio Lower Upper

225 100

223 62.0 51.8 77.6

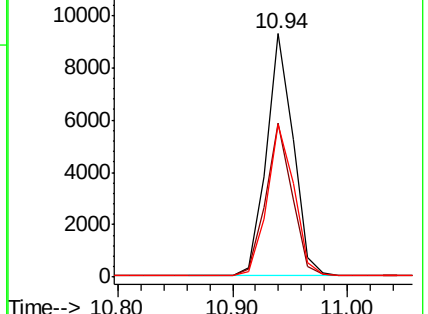
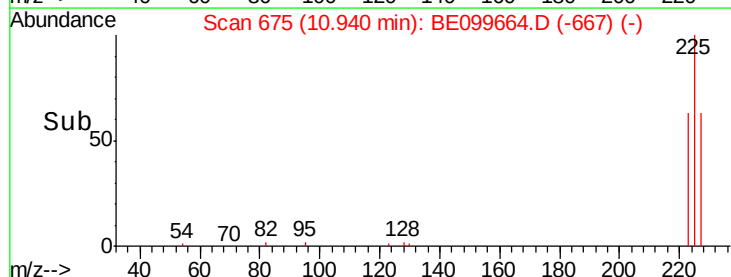
227 63.6 52.6 79.0

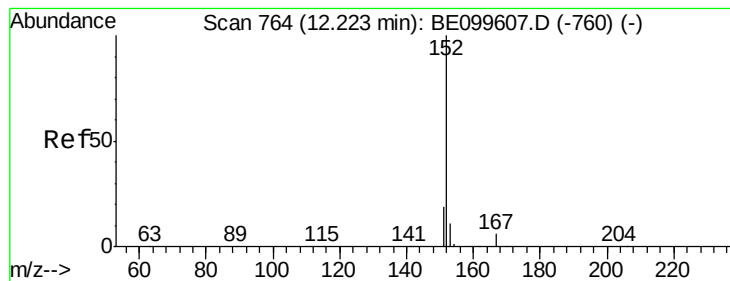


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 3.491 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

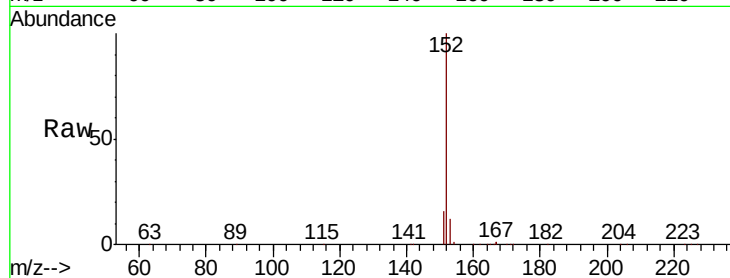
ClientSampleId :

Tot Ion:152 Resp: 34248

Ion Ratio Lower Upper

152 100

151 19.1 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

20000

15000

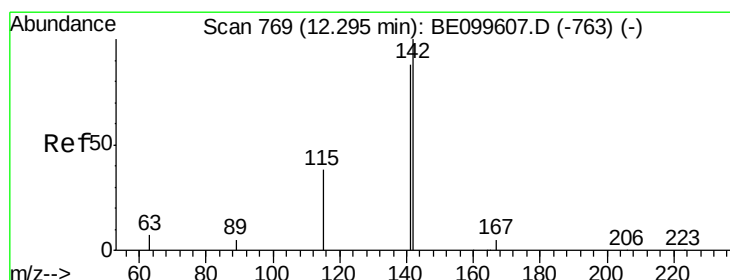
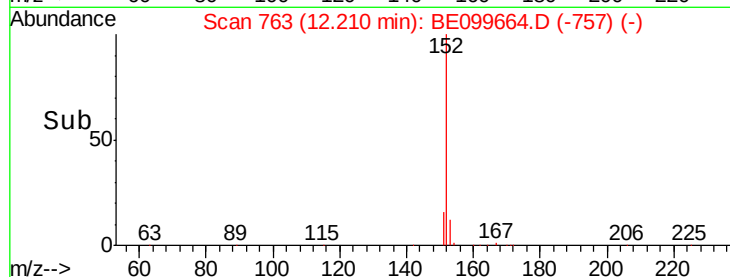
10000

5000

0

Time-->

12.10 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 3.459 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

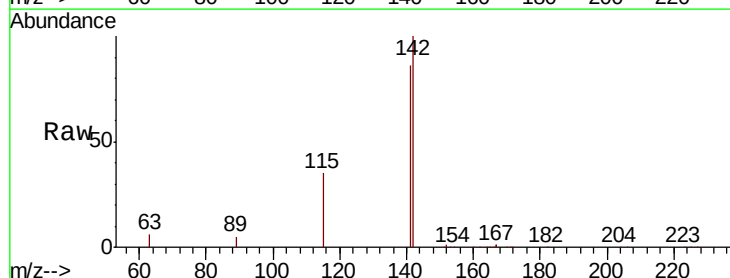
Tgt Ion:142 Resp: 35460

Ion Ratio Lower Upper

142 100

141 86.4 72.0 108.0

115 35.4 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

12.30

20000

15000

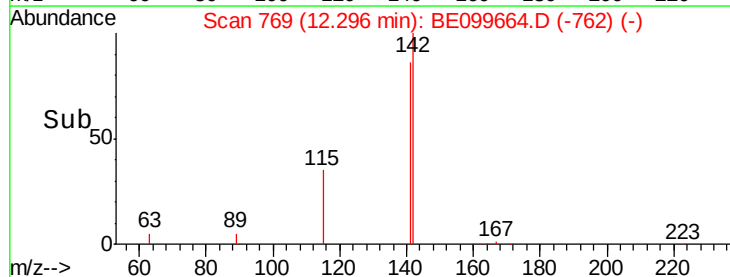
10000

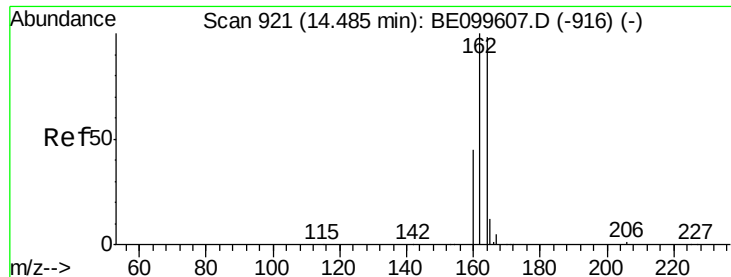
5000

0

Time-->

12.20 12.30 12.40

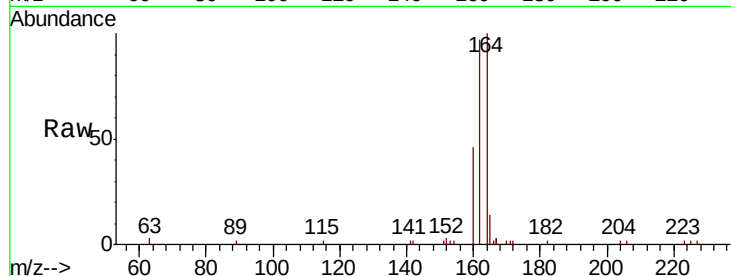




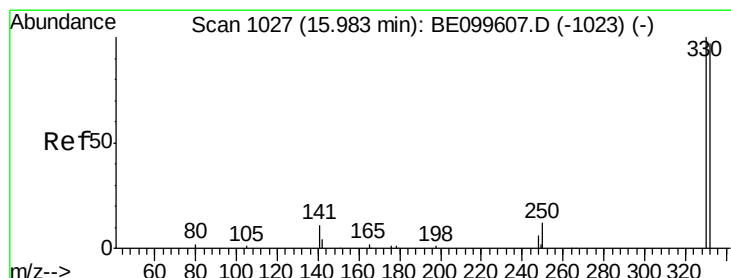
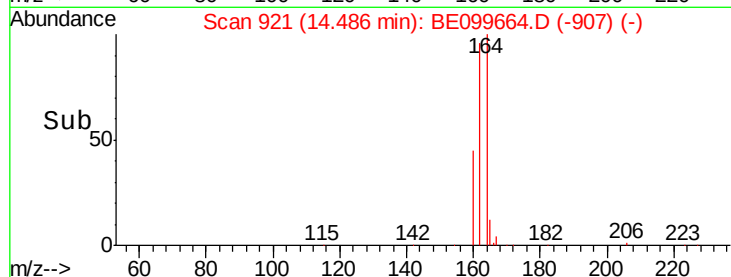
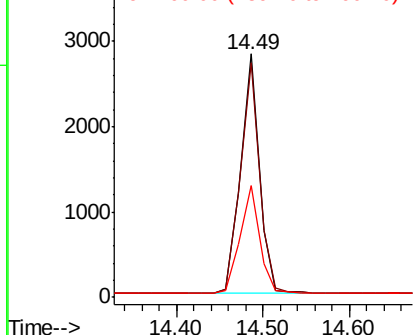
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099664.D
Acq: 20 May 2019 14:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4172
Ion Ratio Lower Upper
164 100
162 96.5 76.5 114.7
160 45.9 37.4 56.2

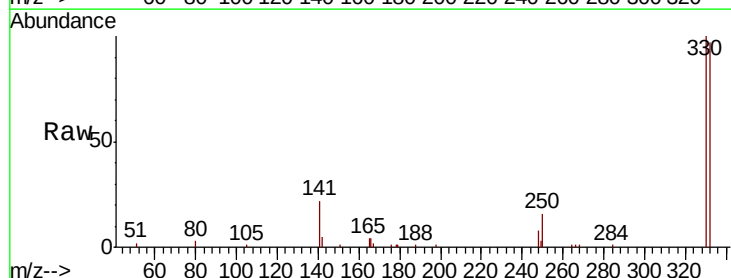


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

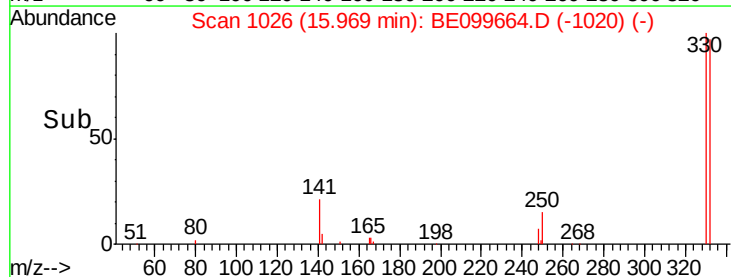
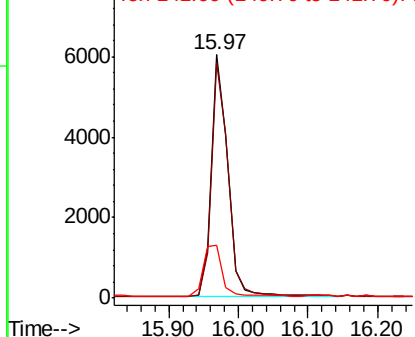


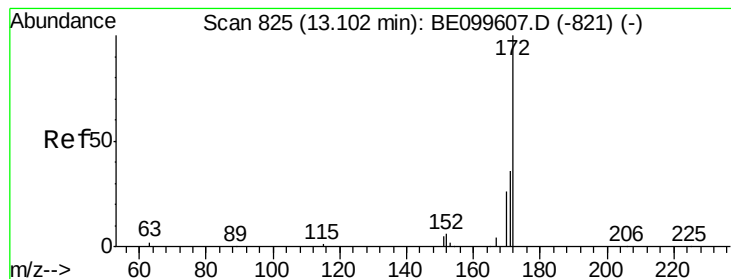
#14
2,4,6-Tribromophenol
Concen: 3.500 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099664.D
Acq: 20 May 2019 14:14

Tgt Ion:330 Resp: 9990
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 24.3 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

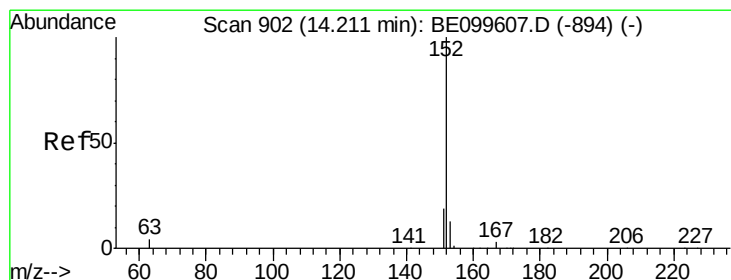
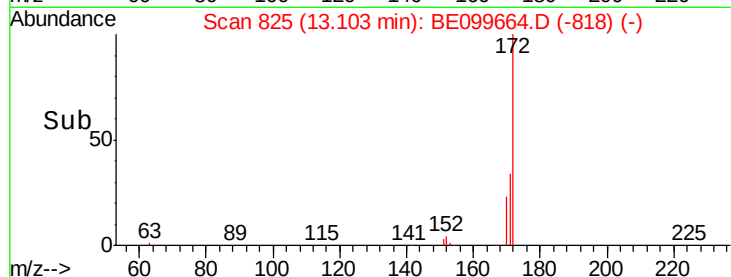
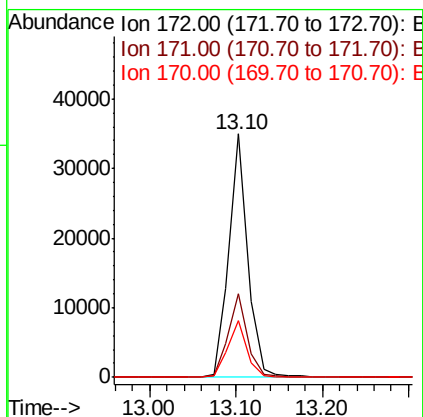
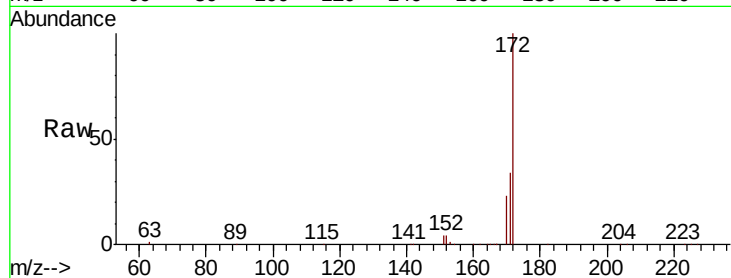




#15
 2-Fluorobiphenyl
 Concen: 3.265 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

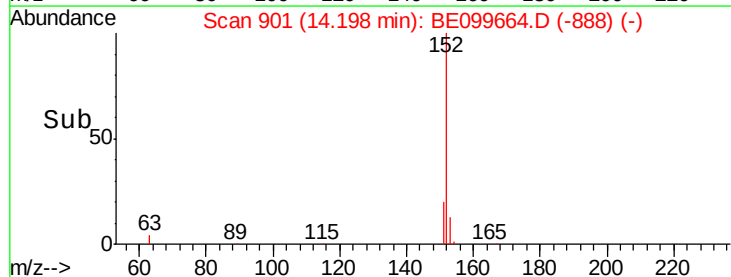
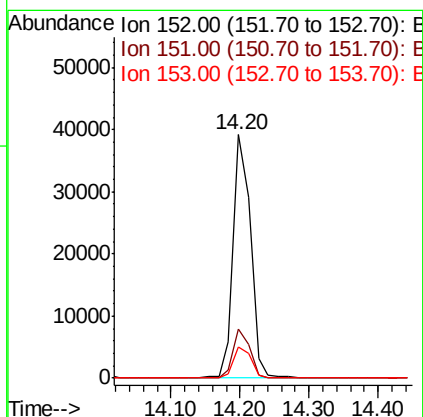
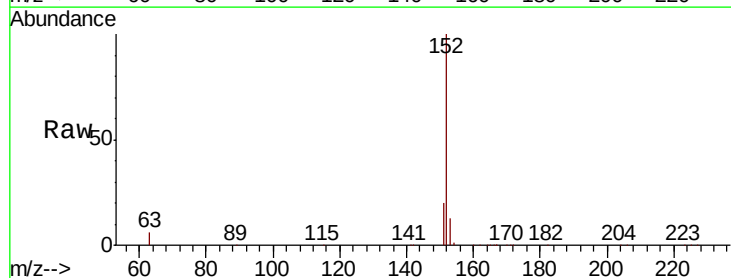
Instrument :
 BNA_E
 ClientSampleId :

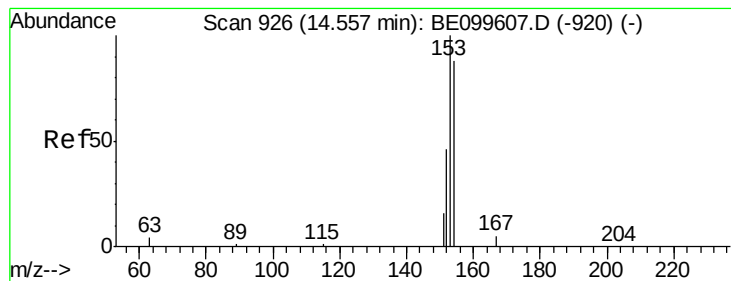
Tot Ion:172 Resp: 52448
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.7 43.1
 170 23.1 20.9 31.3



#16
 Acenaphthylene
 Concen: 3.455 ng
 RT: 14.20 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

Tgt Ion:152 Resp: 68069
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.9 23.9
 153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 3.341 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

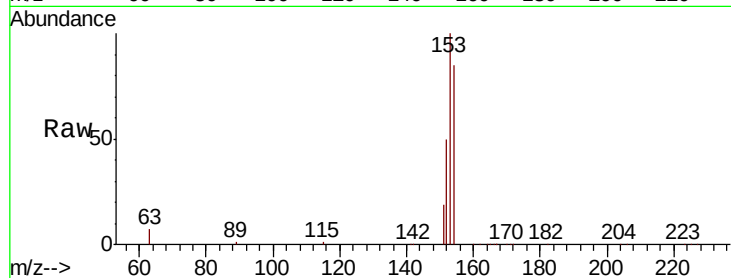
Tot Ion:154 Resp: 37147

Ion Ratio Lower Upper

154 100

153 116.1 92.2 138.4

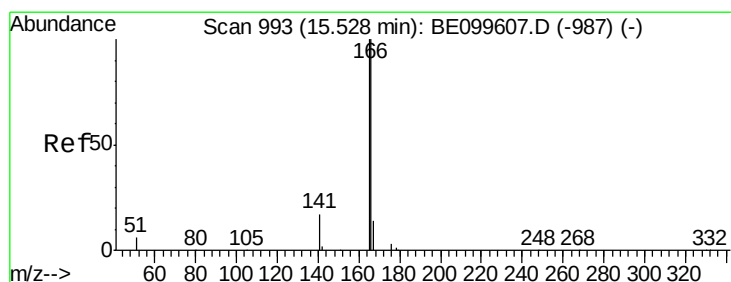
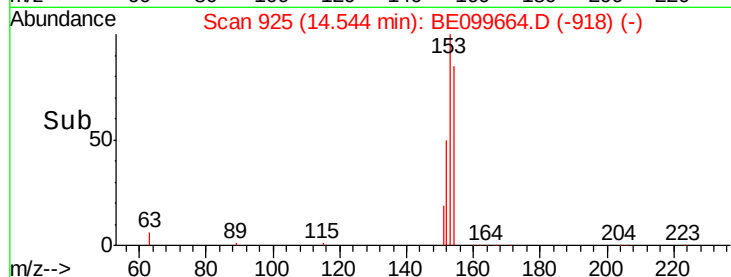
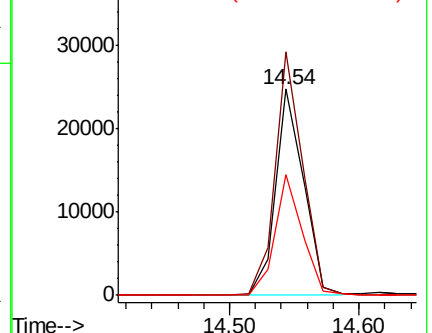
152 57.3 46.2 69.4



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: 3.435 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

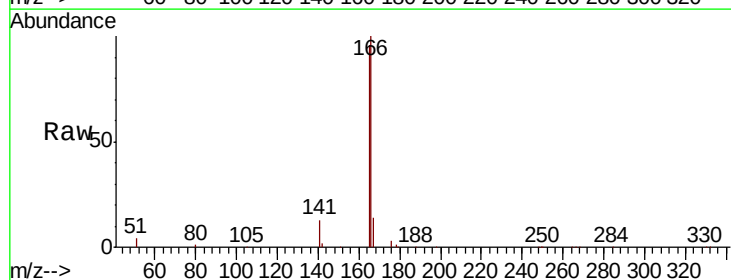
Tgt Ion:166 Resp: 54799

Ion Ratio Lower Upper

166 100

165 99.6 80.3 120.5

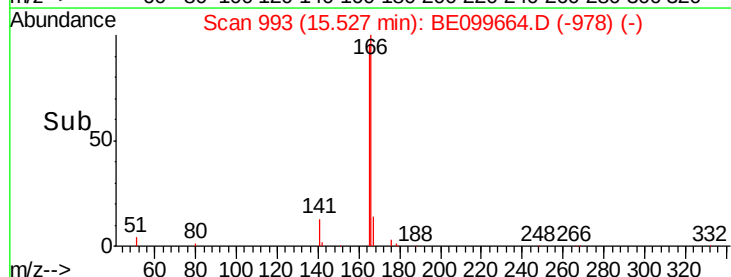
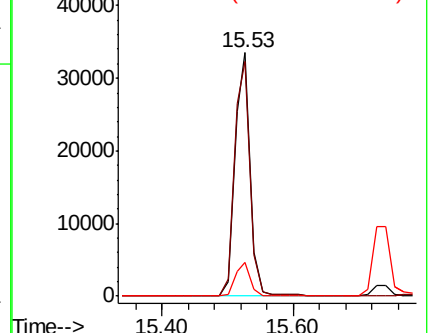
167 13.5 10.6 16.0

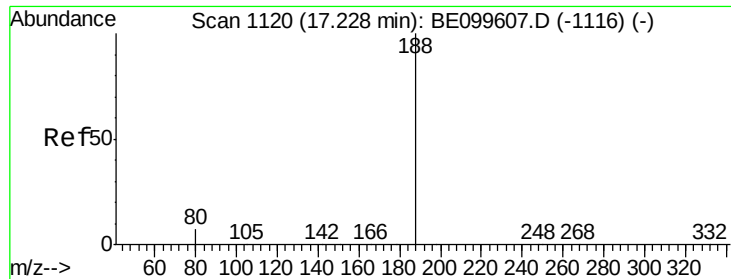


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

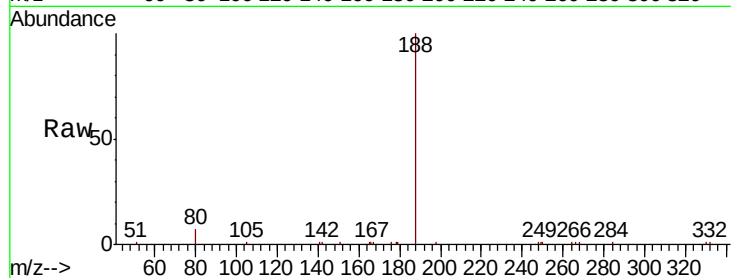
Tot Ion:188 Resp: 12348

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

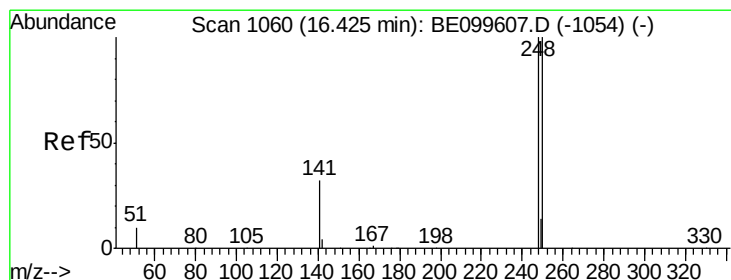
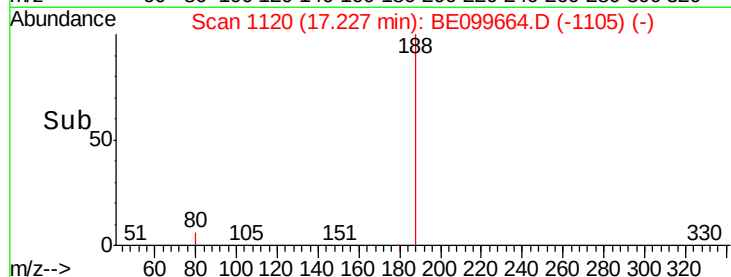
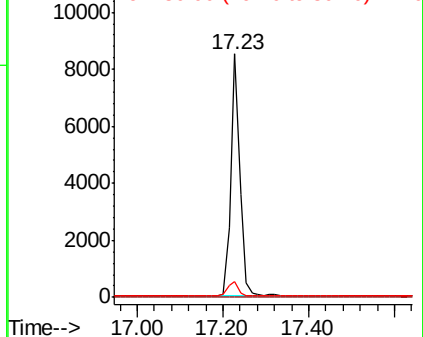
80 6.7 6.7 10.1



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: 3.467 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

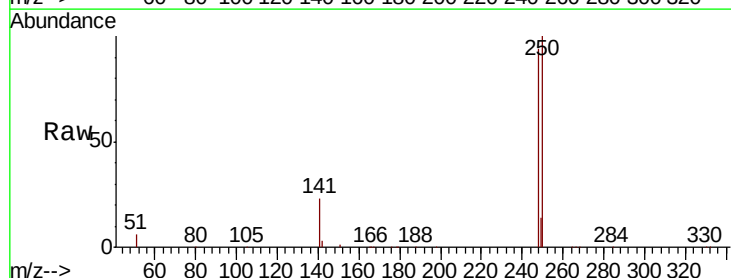
Tgt Ion:248 Resp: 24684

Ion Ratio Lower Upper

248 100

250 106.9 79.8 119.8

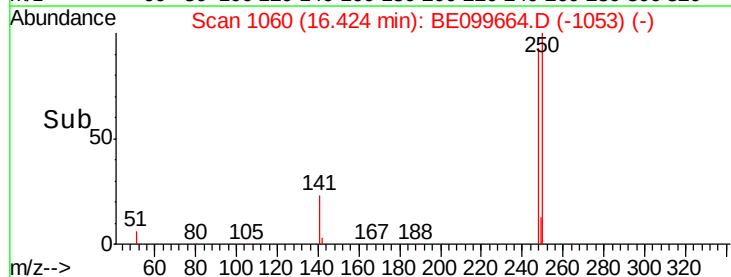
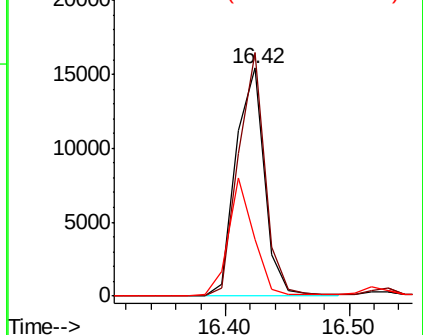
141 25.0 27.0 40.6#

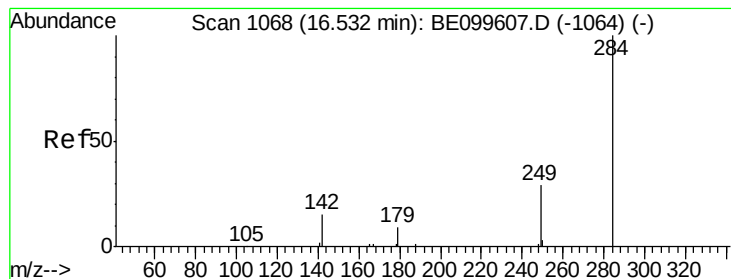


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.511 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

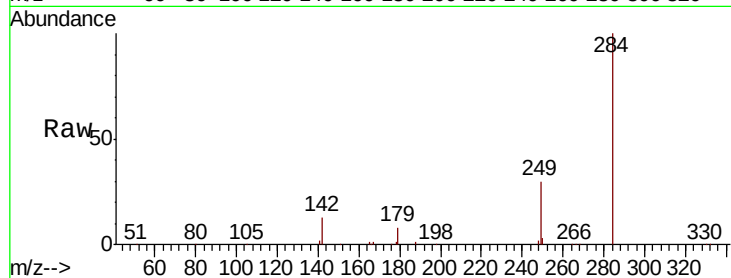
Tot Ion:284 Resp: 24556

Ion Ratio Lower Upper

284 100

142 22.2 17.8 26.6

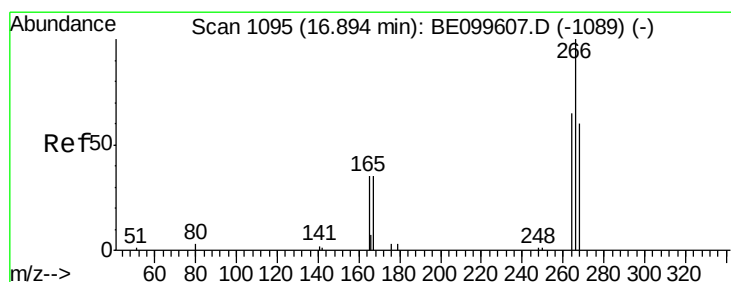
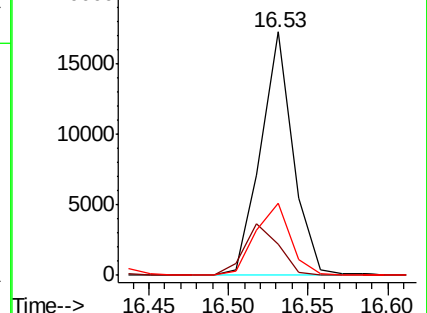
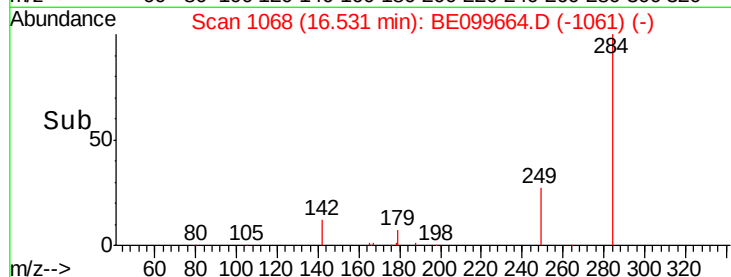
249 31.2 24.8 37.2



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: 3.464 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

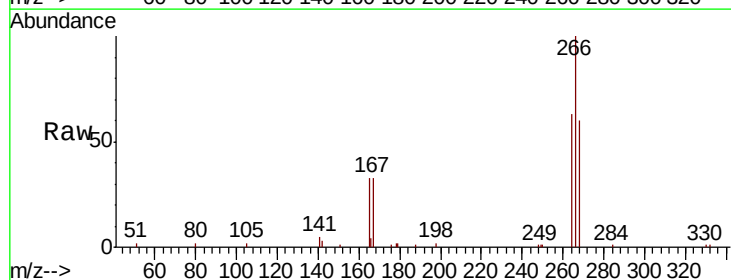
Tgt Ion:266 Resp: 9666

Ion Ratio Lower Upper

266 100

264 63.3 57.2 85.8

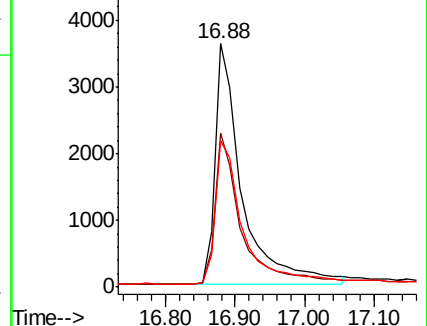
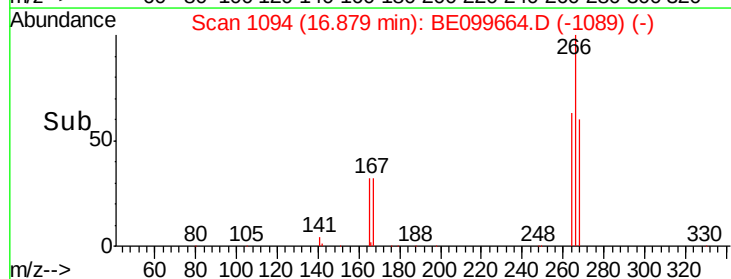
268 60.3 60.5 90.7#

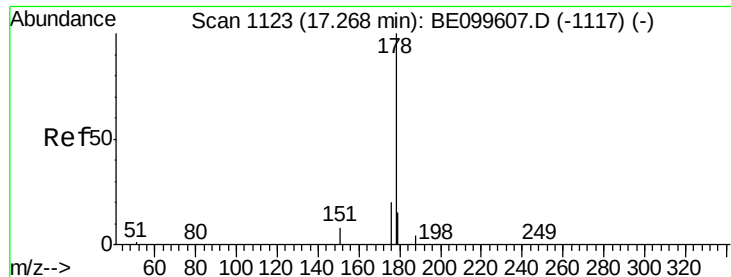


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.347 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

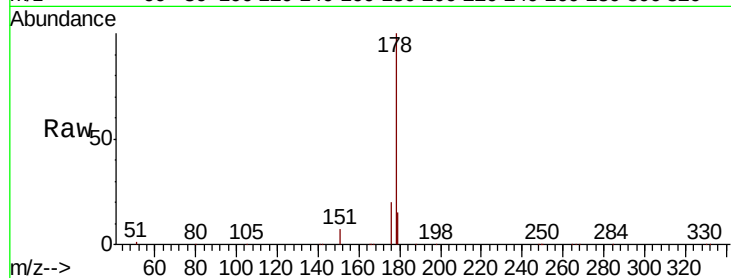
Tot Ion:178 Resp: 102607

Ion Ratio Lower Upper

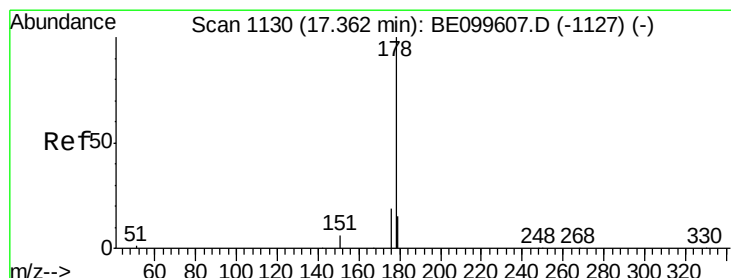
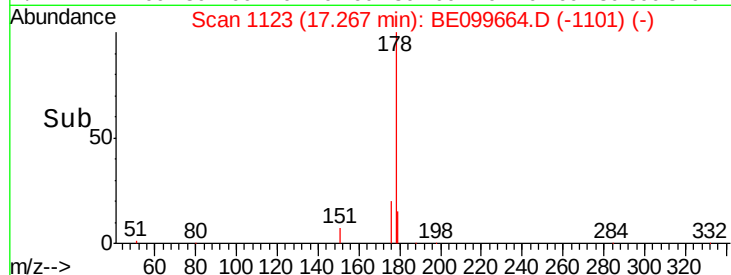
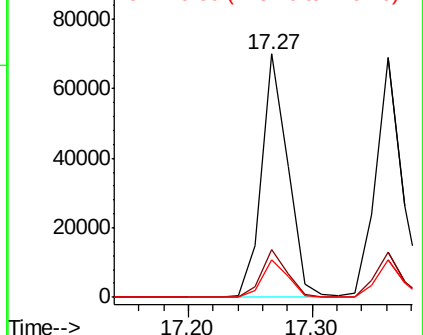
178 100

176 19.4 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: 3.525 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

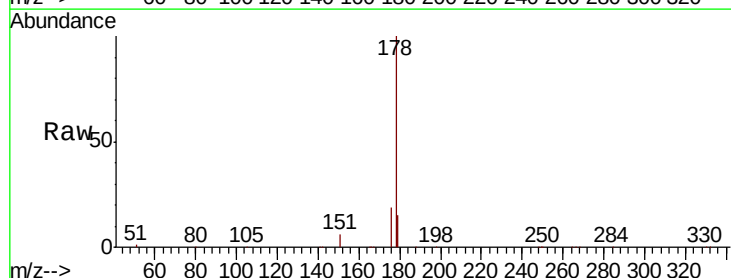
Tgt Ion:178 Resp: 99660

Ion Ratio Lower Upper

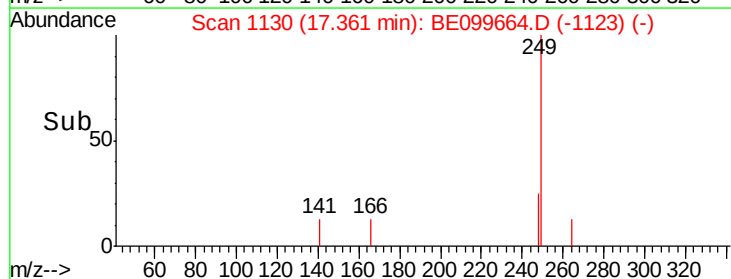
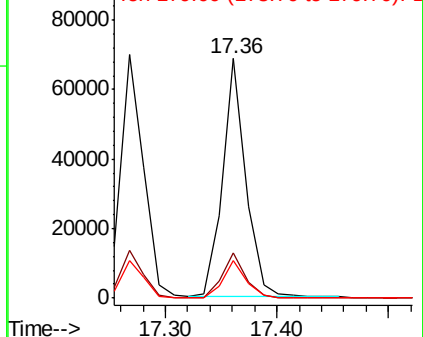
178 100

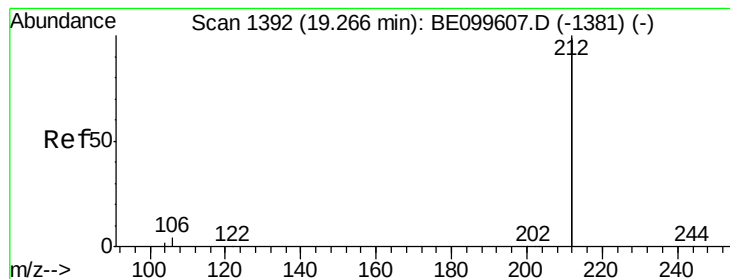
176 18.7 14.7 22.1

179 15.4 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: 3.527 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

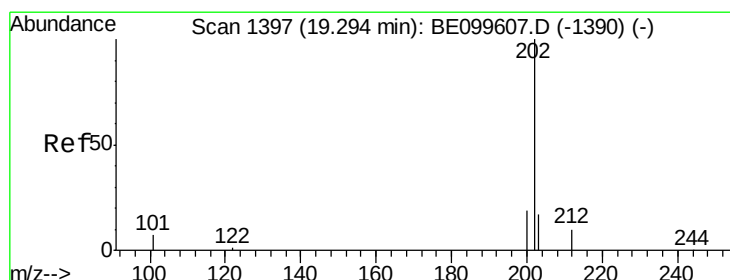
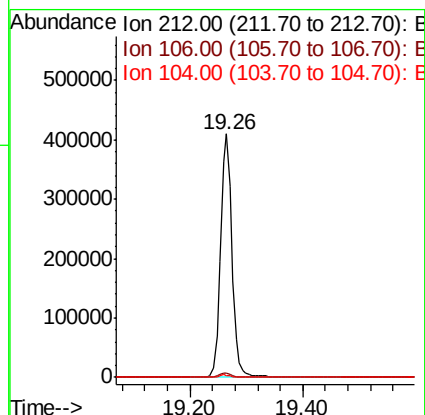
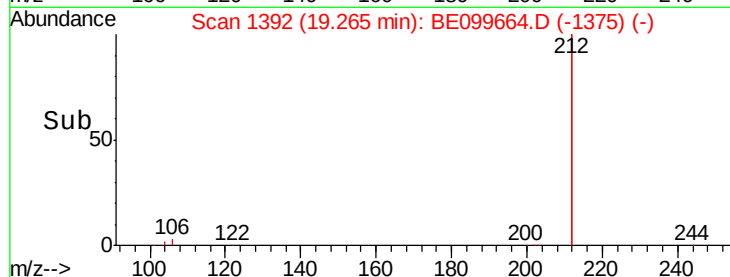
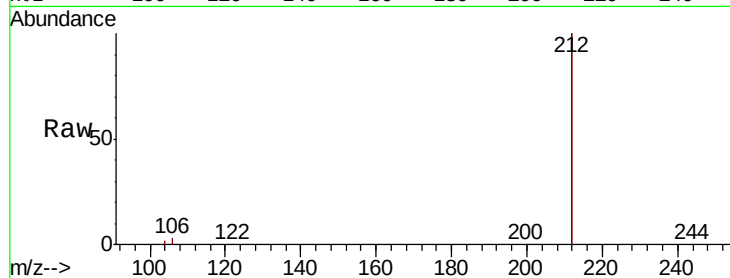
Tot Ion:212 Resp: 579221

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

104 1.0 0.8 1.2



#26

Fluoranthene

Concen: 3.559 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

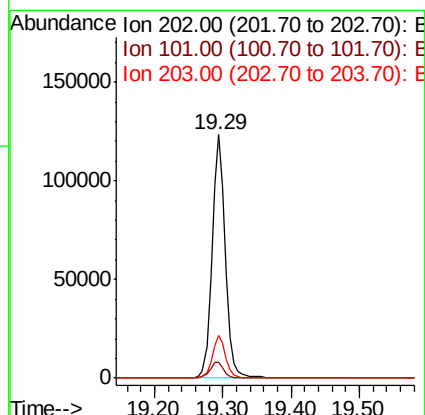
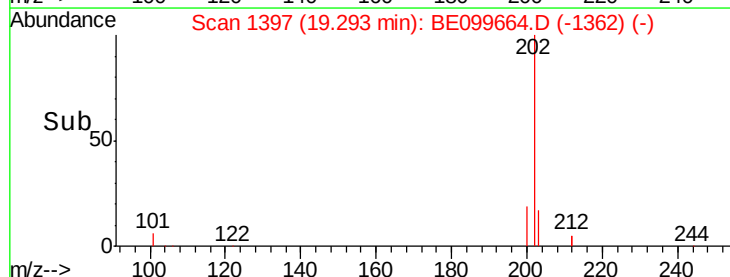
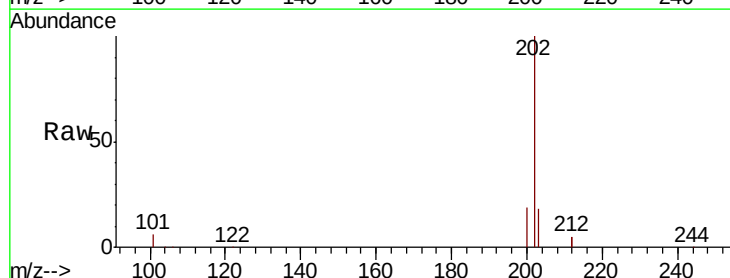
Tgt Ion:202 Resp: 165025

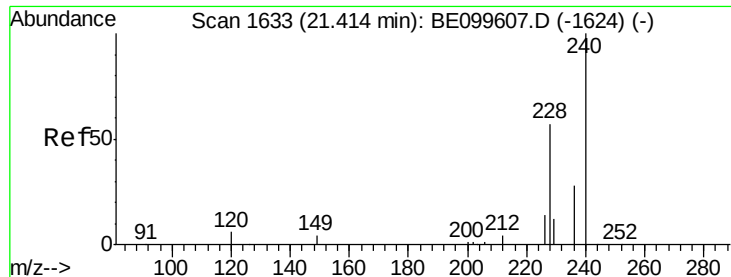
Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

203 17.4 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

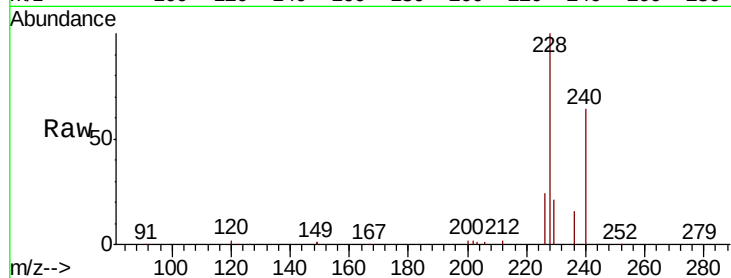
Tot Ion:240 Resp: 20805

Ion Ratio Lower Upper

240 100

120 3.4 5.4 8.0#

236 25.7 21.7 32.5

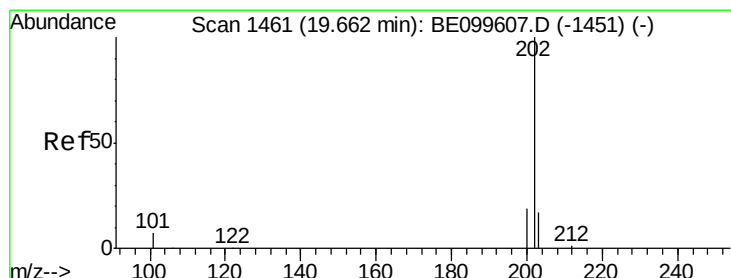
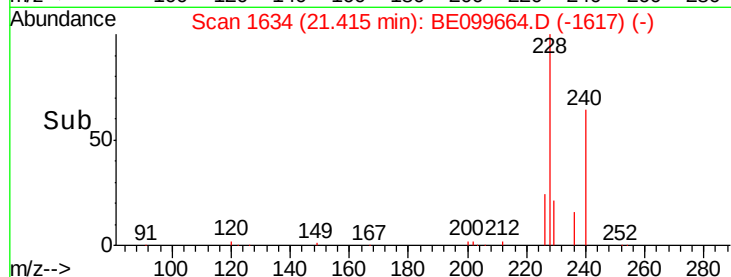
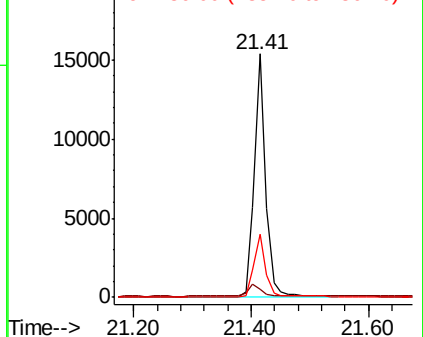


Abundance

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: 3.187 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

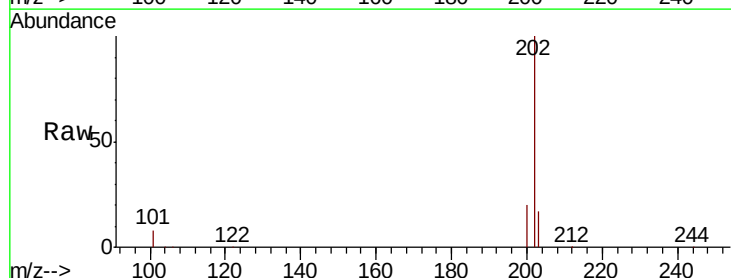
Tgt Ion:202 Resp: 169022

Ion Ratio Lower Upper

202 100

200 19.4 15.4 23.2

203 17.6 13.8 20.8

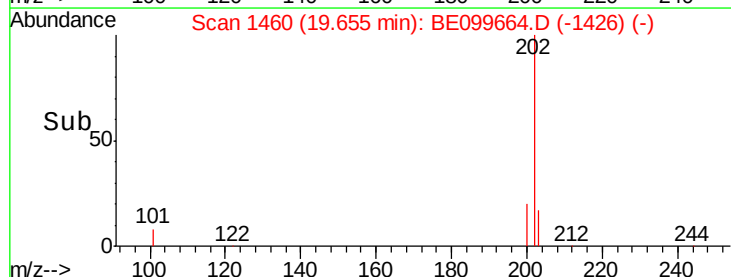
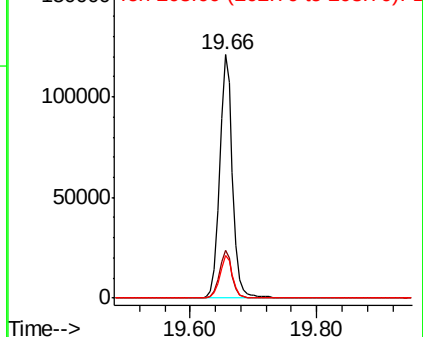


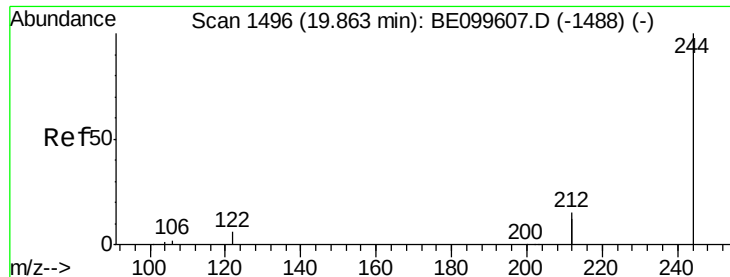
Abundance

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: 3.292 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

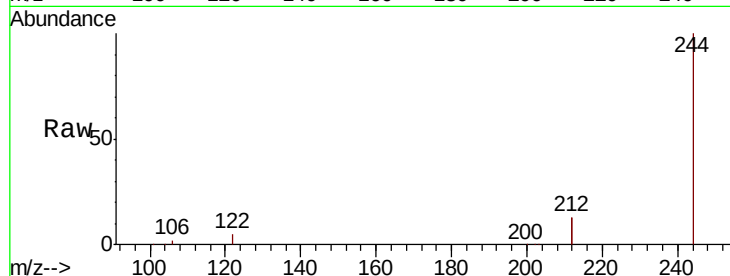
Tot Ion:244 Resp: 123273

Ion Ratio Lower Upper

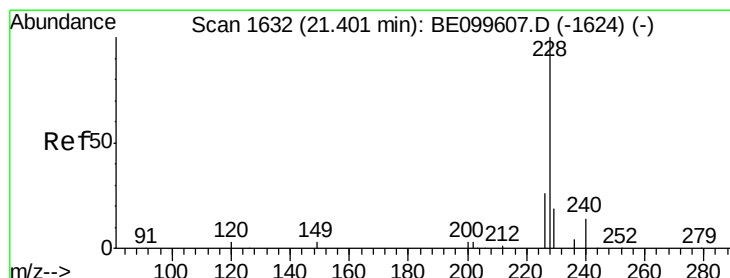
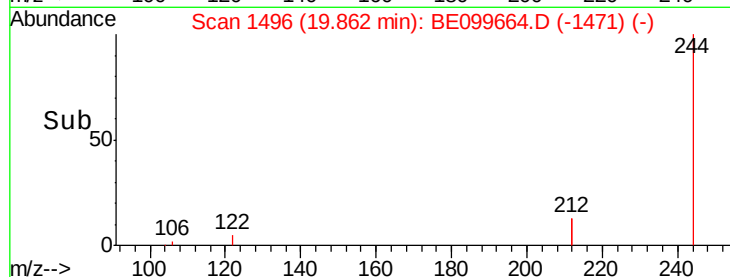
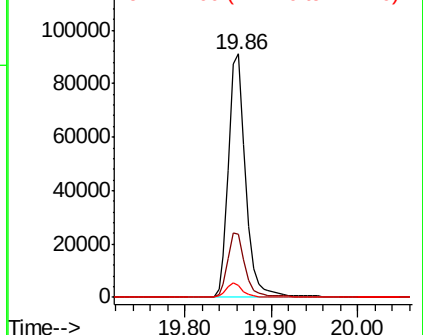
244 100

212 26.0 22.5 33.7

122 4.6 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: 3.212 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

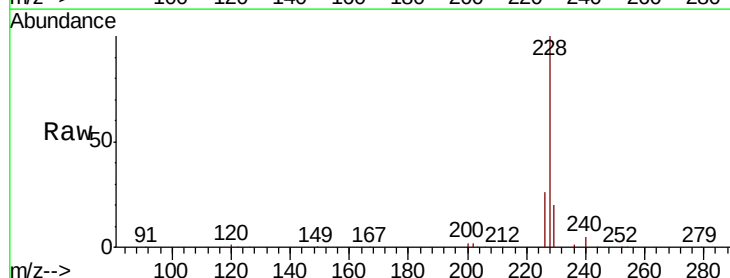
Tgt Ion:228 Resp: 201937

Ion Ratio Lower Upper

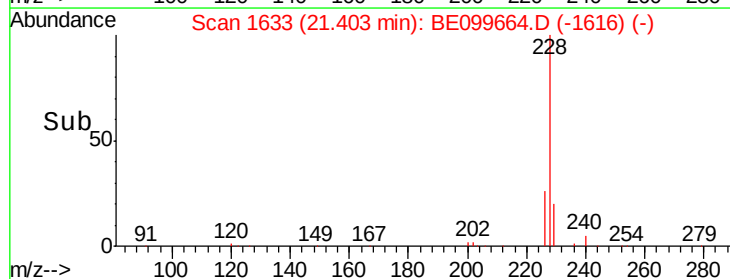
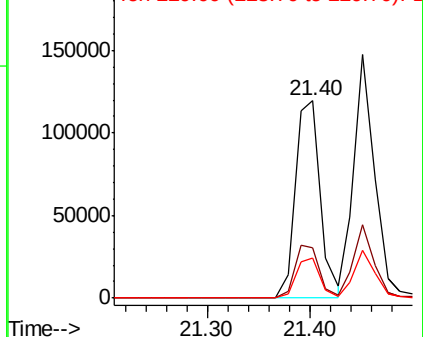
228 100

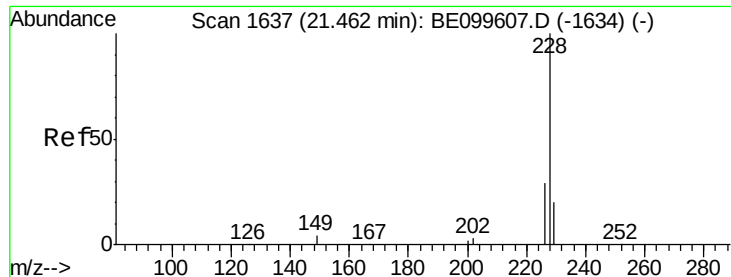
226 25.8 21.3 31.9

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: 3.168 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

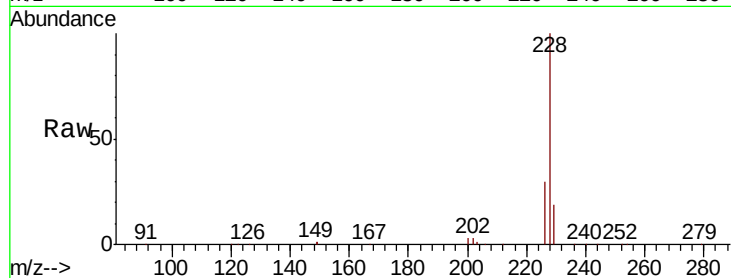
Tot Ion:228 Resp: 205170

Ion Ratio Lower Upper

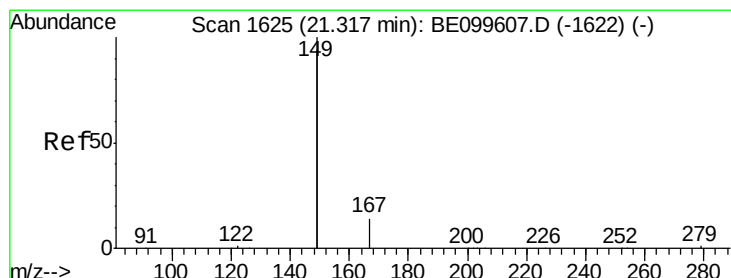
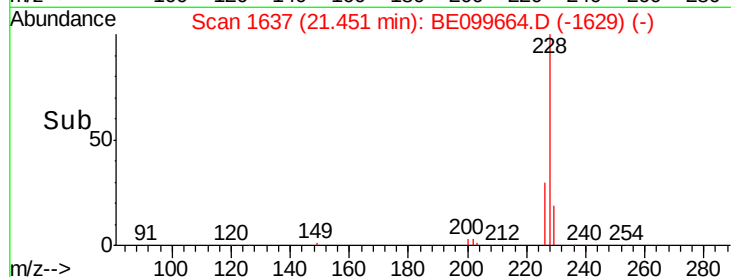
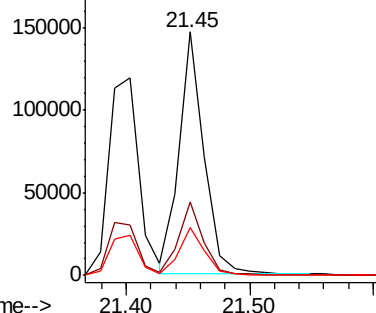
228 100

226 30.0 24.7 37.1

229 19.5 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: 2.347 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

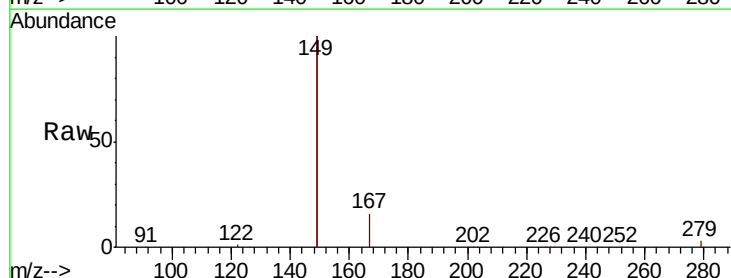
Tgt Ion:149 Resp: 227514

Ion Ratio Lower Upper

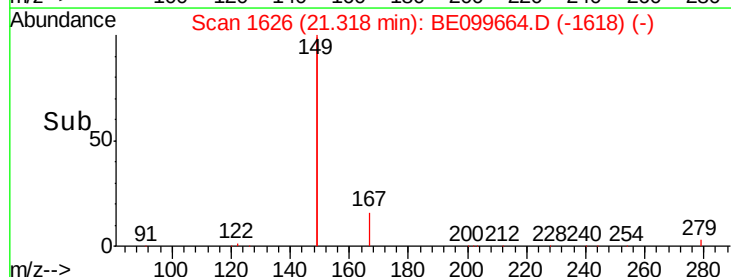
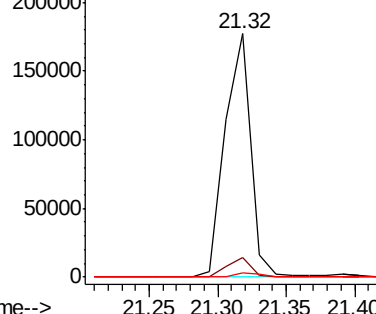
149 100

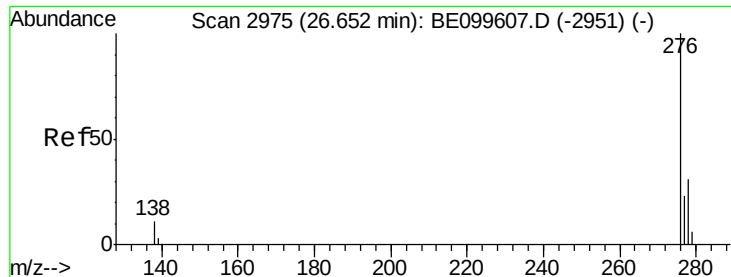
167 7.6 6.2 9.4

279 1.5 1.2 1.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

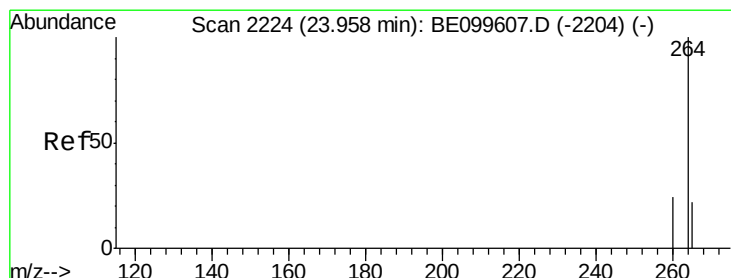
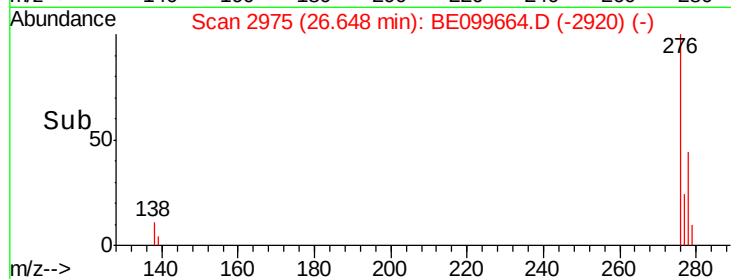
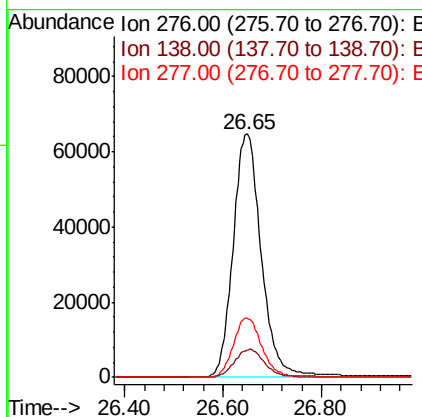
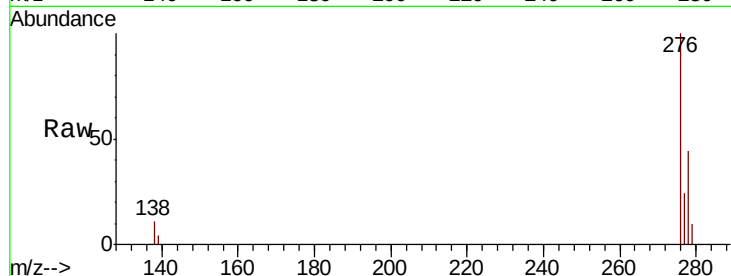




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.204 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

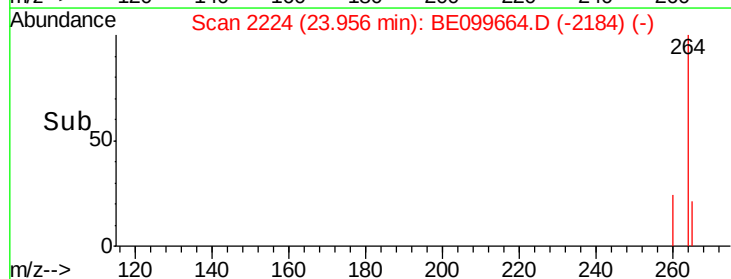
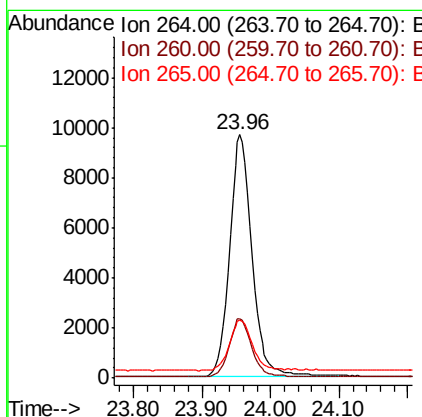
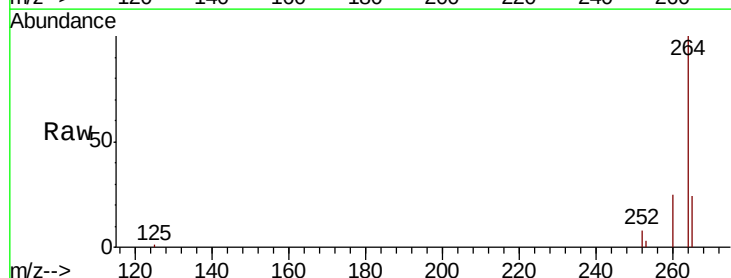
Instrument :
 BNA_E
 ClientSampleId :

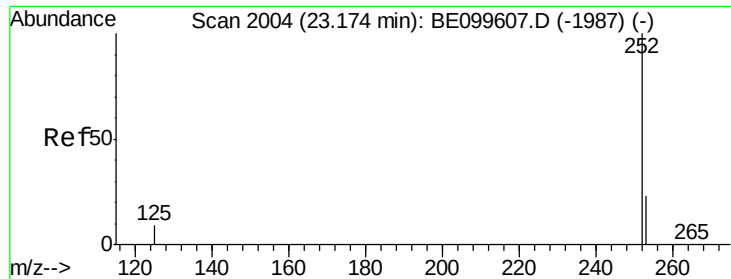
Tot Ion:276 Resp: 258229
 Ion Ratio Lower Upper
 276 100
 138 12.1 9.6 14.4
 277 24.8 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BE099664.D
 Acq: 20 May 2019 14:14

Tgt Ion:264 Resp: 22084
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.6 29.4
 265 24.0 19.1 28.7





#35

Benzo(b)fluoranthene

Concen: 3.339 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampled :

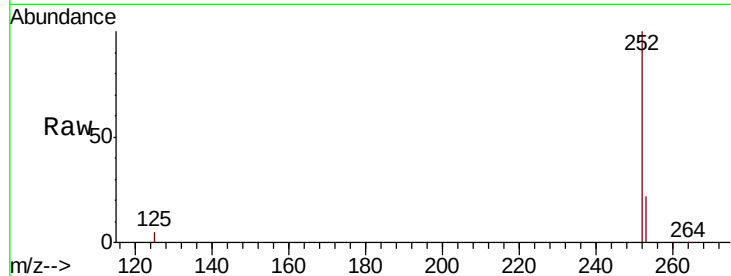
Tot Ion:252 Resp: 206170

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

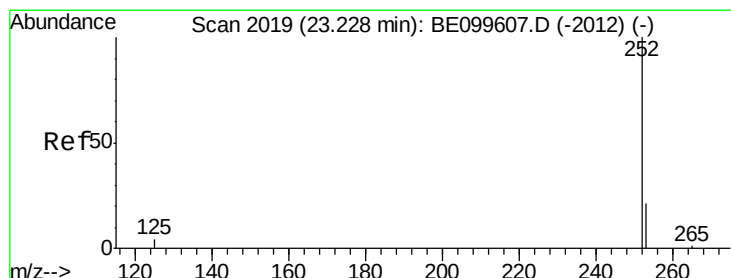
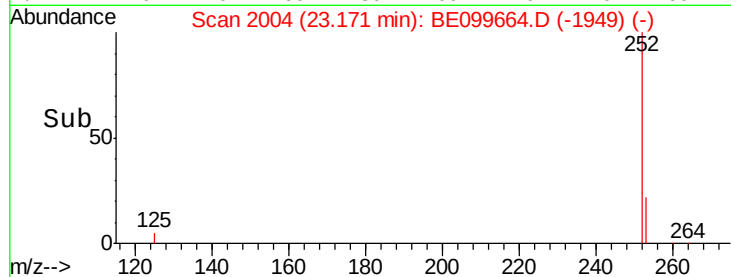
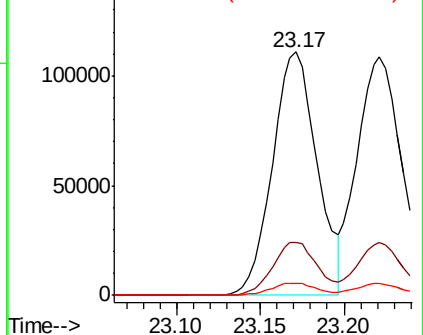
125 5.1 4.5 6.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 3.456 ng

RT: 23.22 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

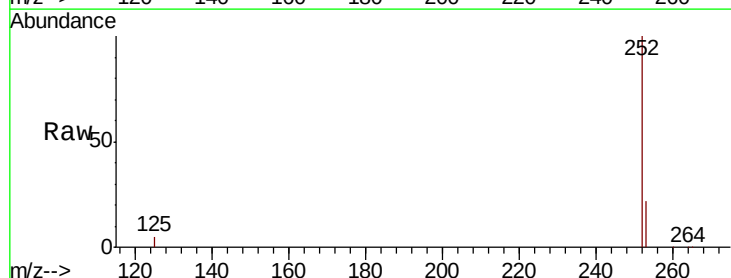
Tgt Ion:252 Resp: 210737

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

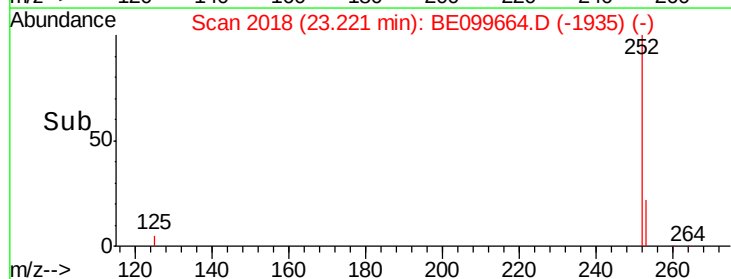
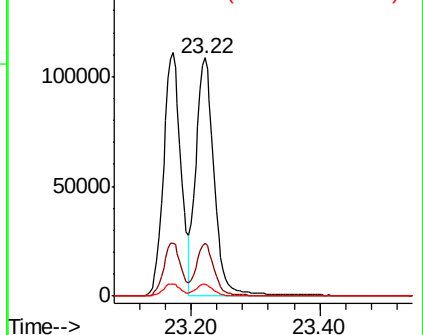
125 4.9 4.6 6.8

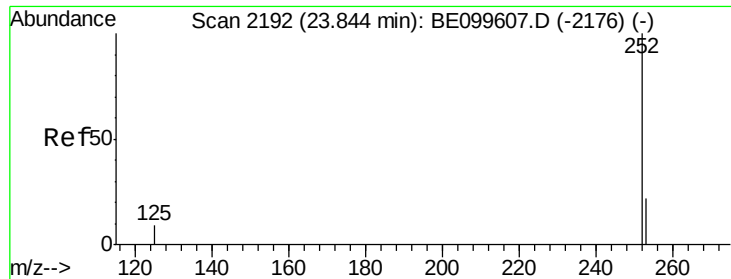


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 3.301 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :

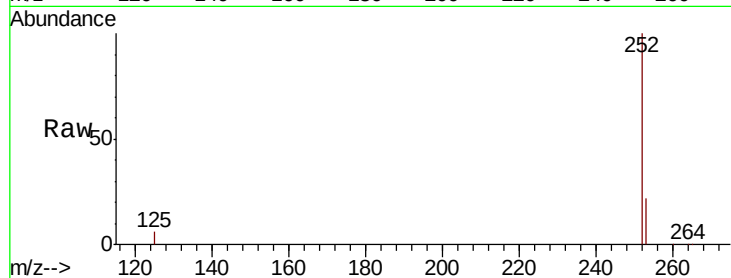
Tot Ion:252 Resp: 197456

Ion Ratio Lower Upper

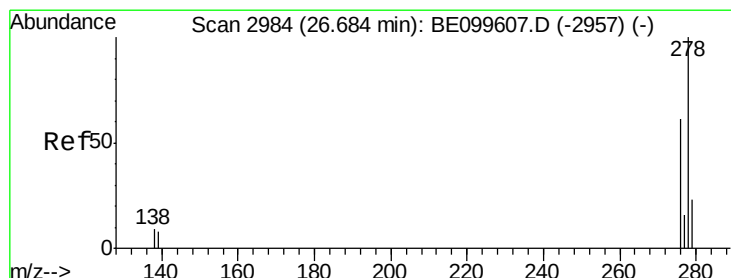
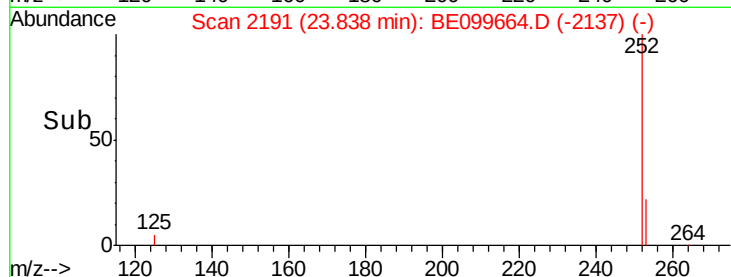
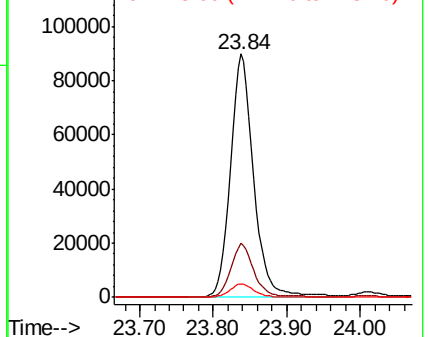
252 100

253 22.0 18.9 28.3

125 5.5 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: 3.452 ng

RT: 26.67 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BE099664.D

Acq: 20 May 2019 14:14

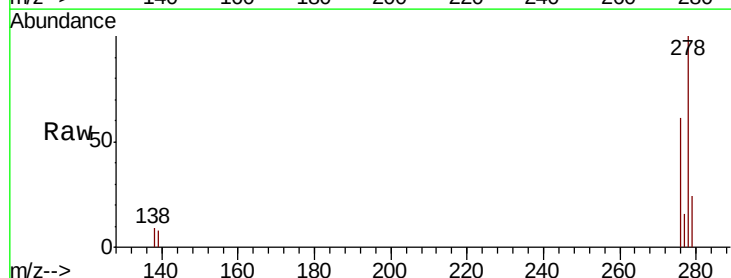
Tgt Ion:278 Resp: 214133

Ion Ratio Lower Upper

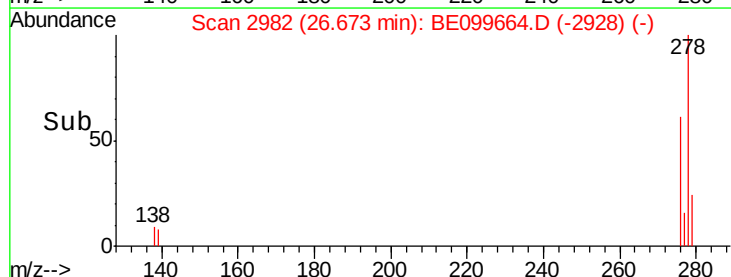
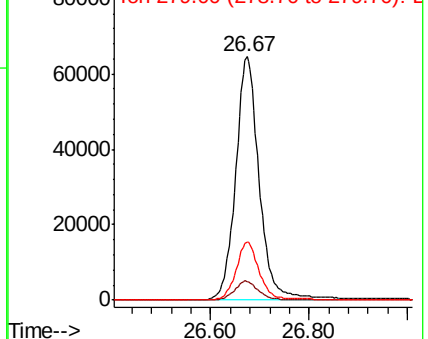
278 100

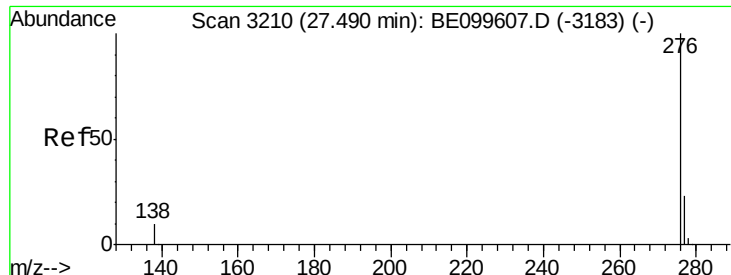
139 7.8 6.9 10.3

279 23.9 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: 3.402 ng

RT: 27.48 min Scan# 3208

Delta R.T. 0.00 min

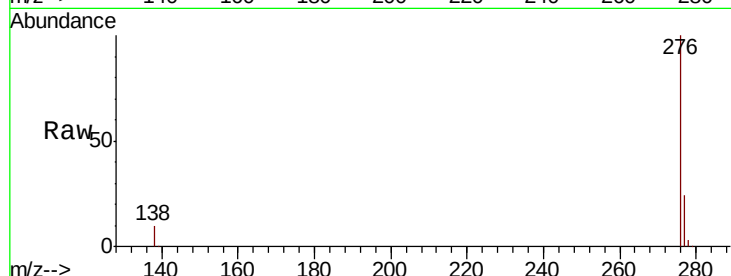
Lab File: BE099664.D

Acq: 20 May 2019 14:14

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 212173

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.6

138 10.4 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

