

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099747.D
 Acq On : 24 May 2019 17:57
 Operator : JU/SJ
 Sample : PB120039BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BS

Quant Time: May 24 21:34:25 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	7.80	152	1246	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	4272	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2827	0.40	ng	-0.02
19) Phenanthrene-d10	17.21	188	8262	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	14078	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17454	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1496	0.48	ng	0.00
5) Phenol-d6	6.97	99	1828	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	1634	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4017	0.54	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	749	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4553	0.42	ng	0.00
25) Fluoranthene-d10	19.25	212	45855	0.41	ng	-0.01
29) Terphenyl-d14	19.85	244	10571	0.42	ng	-0.02

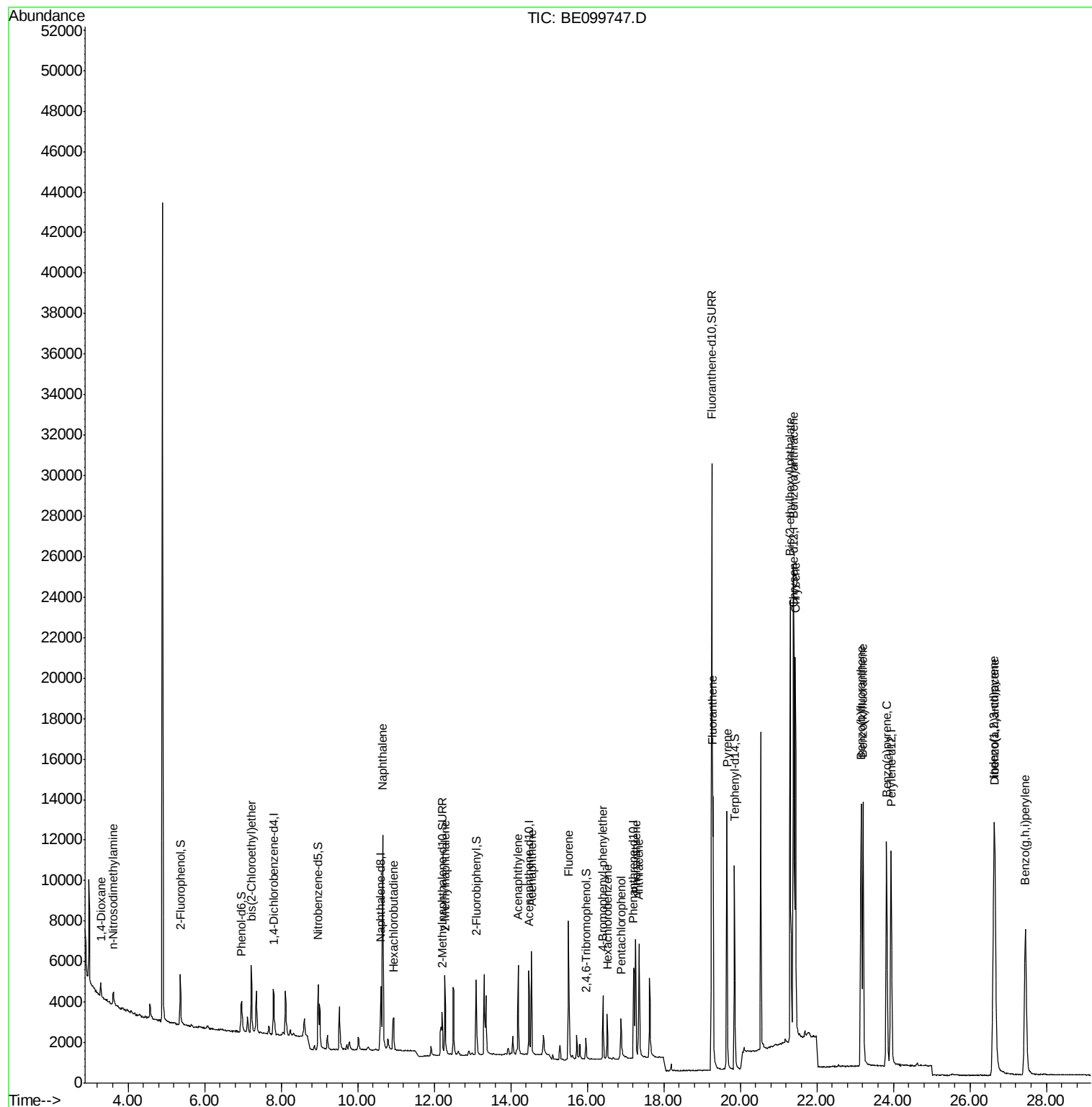
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	520	0.282	ng	# 82
3) n-Nitrosodimethylamine	3.60	42	564	0.554	ng	# 91
6) bis(2-Chloroethyl)ether	7.22	93	1466	0.395	ng	100
9) Naphthalene	10.65	128	18249	0.399	ng	100
10) Hexachlorobutadiene	10.94	225	1344	0.400	ng	96
12) 2-Methylnaphthalene	12.28	142	2979	0.400	ng	98
16) Acenaphthylene	14.20	152	5324	0.404	ng	100
17) Acenaphthene	14.54	154	2916	0.394	ng	97
18) Fluorene	15.51	166	4322	0.397	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1850	0.388	ng	# 90
21) Hexachlorobenzene	16.52	284	1904	0.391	ng	97
22) Pentachlorophenol	16.88	266	1741	1.221	ng	93
23) Phenanthrene	17.27	178	7933	0.393	ng	100
24) Anthracene	17.35	178	7202	0.393	ng	98
26) Fluoranthene	19.29	202	12856	0.403	ng	100
28) Pyrene	19.65	202	13496	0.382	ng	99
30) Benzo(a)anthracene	21.39	228	18849	0.471	ng	99
31) Chrysene	21.44	228	19052	0.445	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	23744	0.515	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	24162	0.468	ng	98
35) Benzo(b)fluoranthene	23.16	252	19490	0.408	ng	98
36) Benzo(k)fluoranthene	23.21	252	20618	0.414	ng	99
37) Benzo(a)pyrene	23.82	252	19919	0.433	ng	98
38) Dibenzo(a,h)anthracene	26.66	278	20082	0.416	ng	98
39) Benzo(g,h,i)perylene	27.45	276	20655	0.423	ng	98

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

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QLast Update : Mon May 20 19:29:40 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 428

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

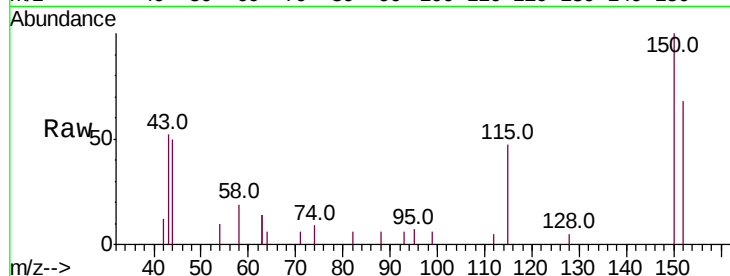
Tot Ion:152 Resp: 1246

Ion Ratio Lower Upper

152 100

150 147.0 109.2 163.8

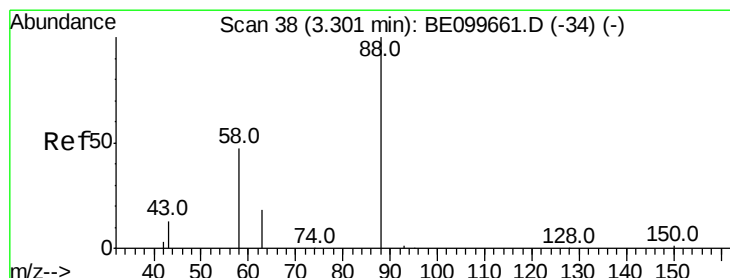
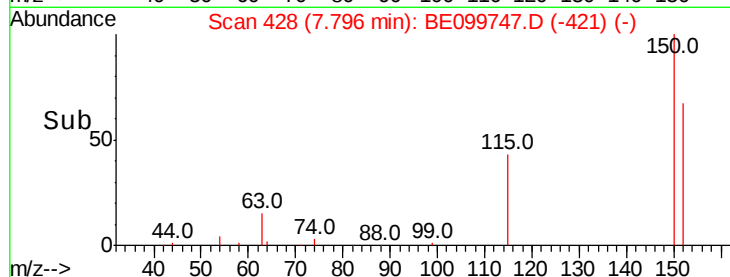
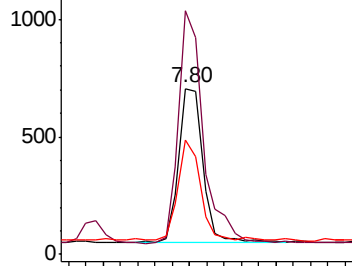
115 68.7 43.7 65.5#



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



#2

1,4-Dioxane

Concen: 0.282 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

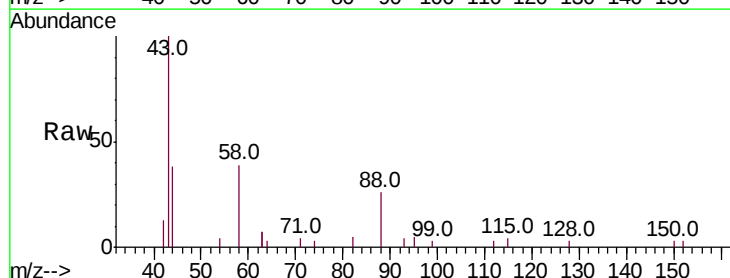
Tgt Ion: 88 Resp: 520

Ion Ratio Lower Upper

88 100

58 58.7 41.8 62.8

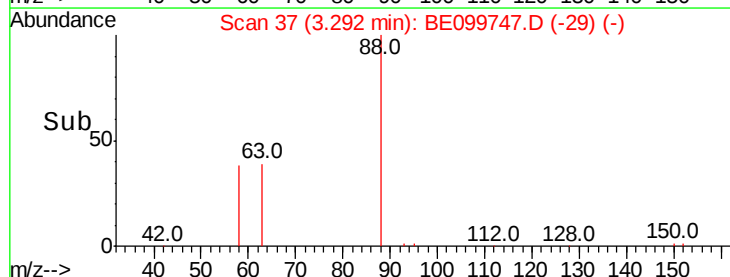
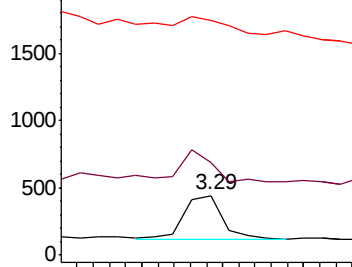
43 0.0 15.0 22.4#



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: 0.554 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.03 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

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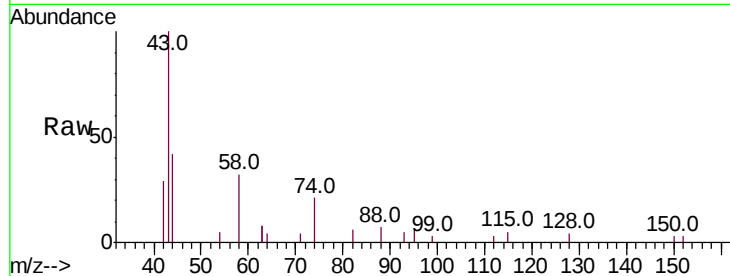
Tot Ion: 42 Resp: 564

Ion Ratio Lower Upper

42 100

74 149.3 129.2 193.8

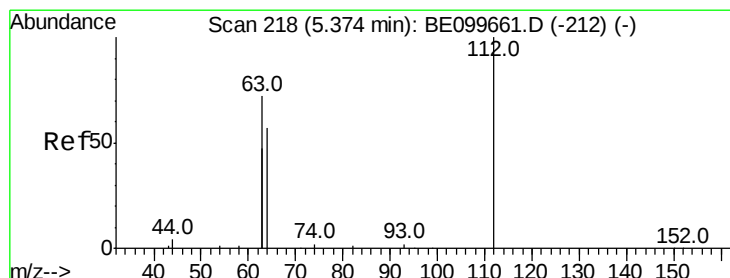
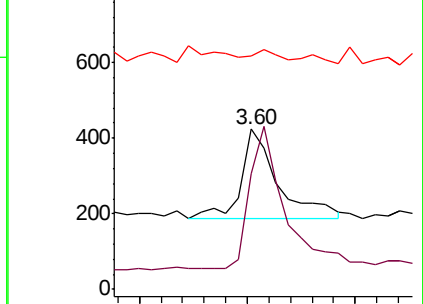
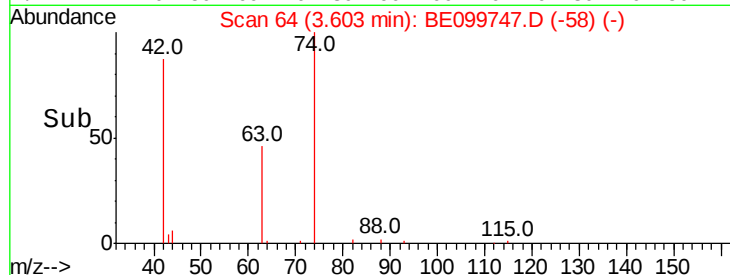
44 5.0 0.0 0.0#



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: 0.475 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

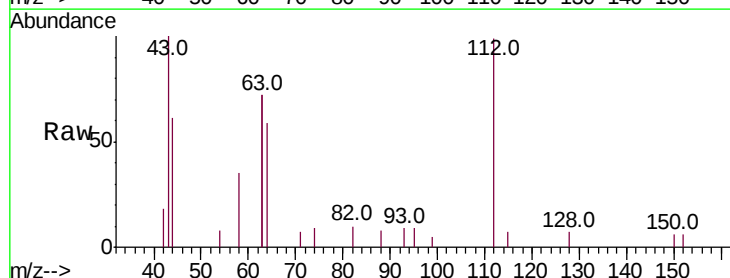
Tgt Ion: 112 Resp: 1496

Ion Ratio Lower Upper

112 100

64 52.1 43.4 65.2

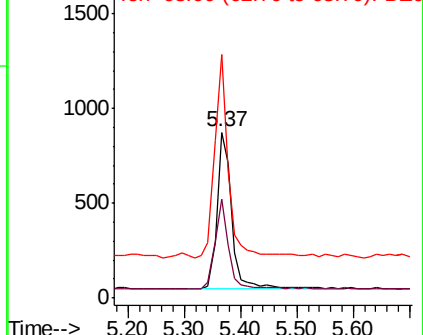
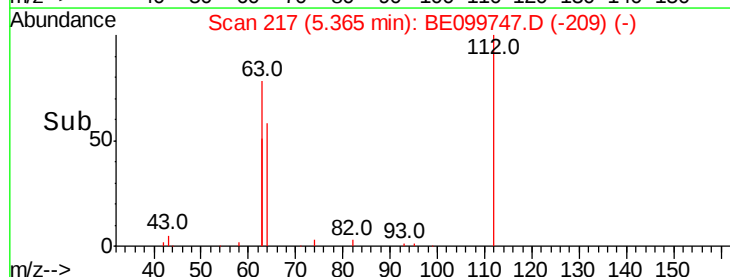
63 117.3 96.9 145.3

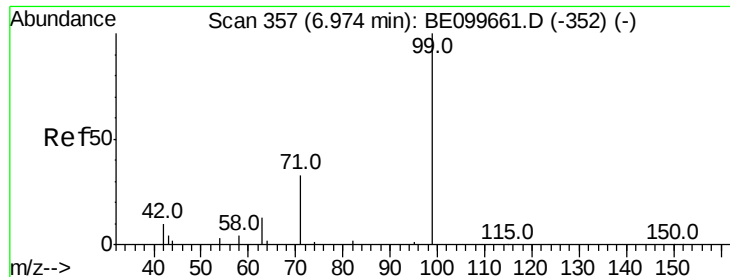


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.439 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

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PB120039BS

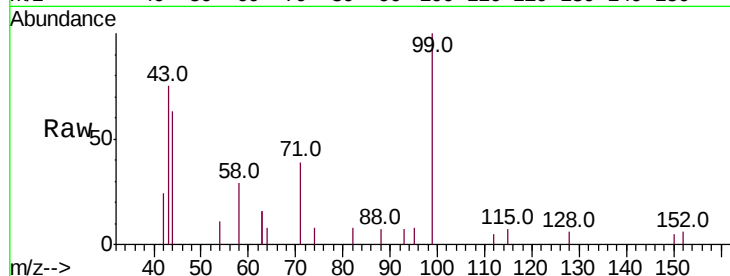
Tot Ion: 99 Resp: 1828

Ion Ratio Lower Upper

99 100

42 19.7 12.2 18.2#

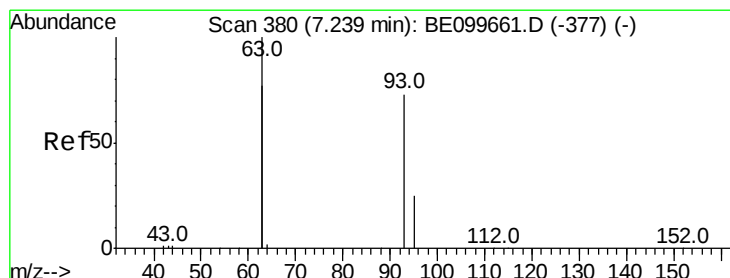
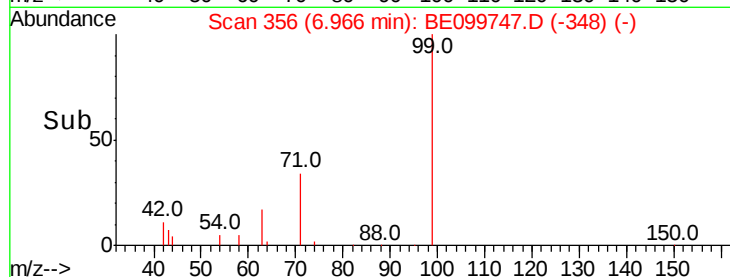
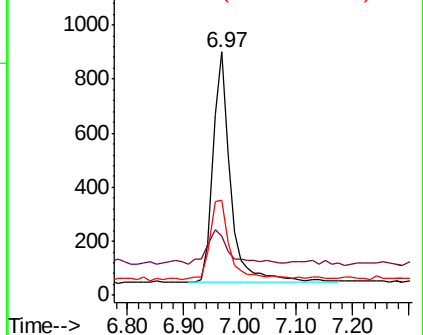
71 37.5 28.9 43.3



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: 0.395 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

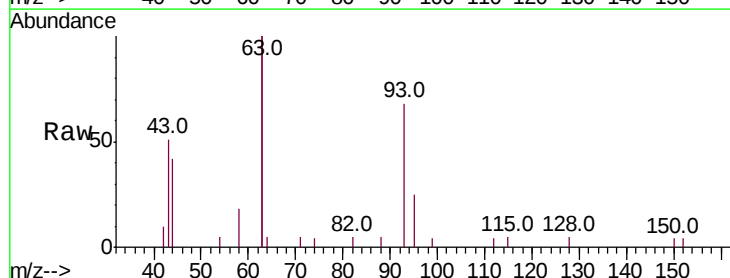
Tgt Ion: 93 Resp: 1466

Ion Ratio Lower Upper

93 100

63 260.2 207.8 311.6

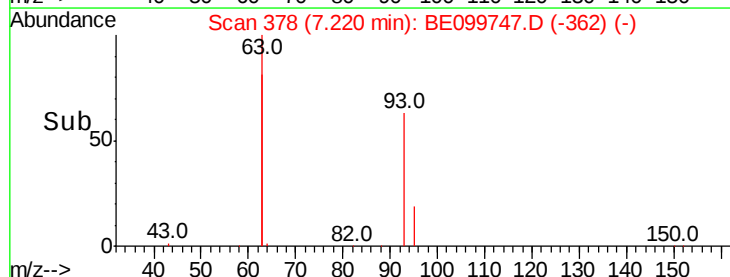
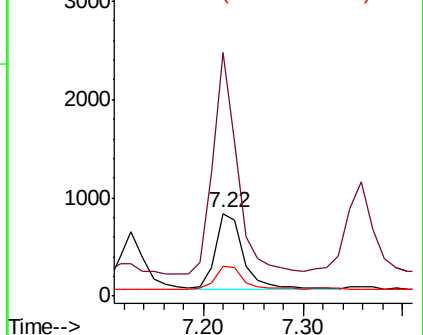
95 32.9 25.9 38.9

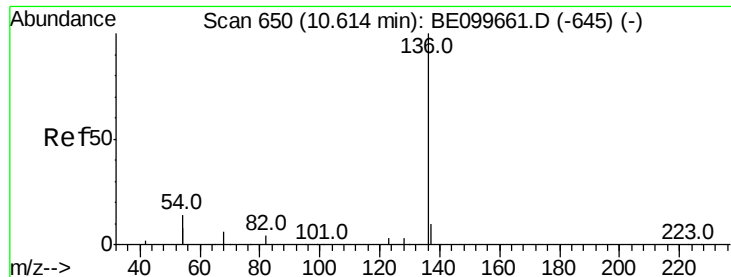


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

Tot Ion:136 Resp: 4272

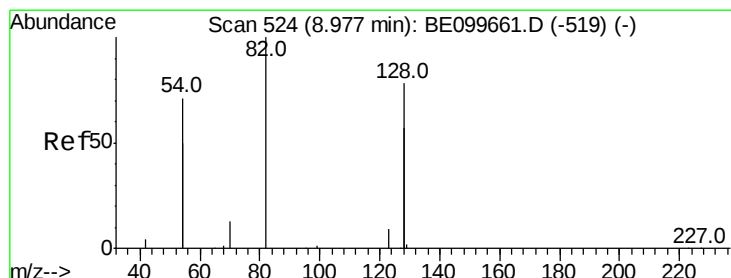
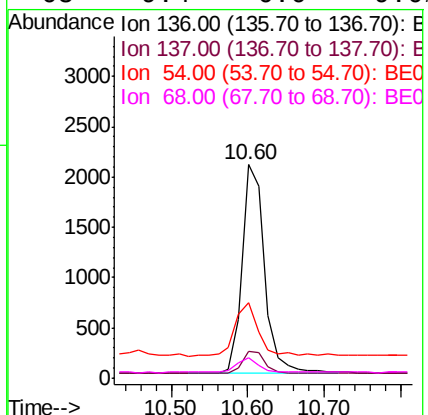
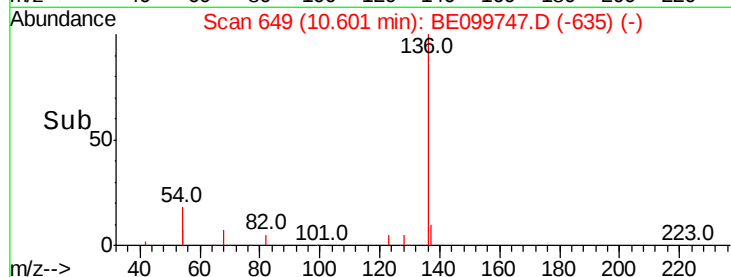
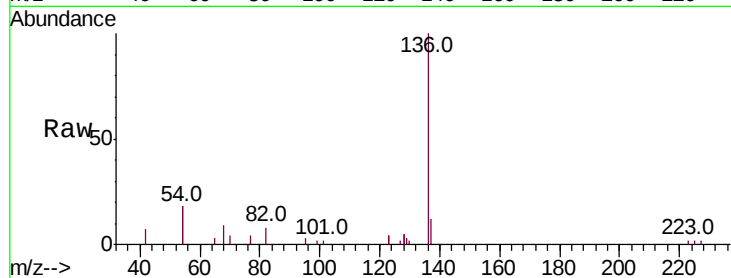
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 35.6 22.3 33.5#

68 9.4 6.0 9.0#



#8

Nitrobenzene-d5

Concen: 0.442 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

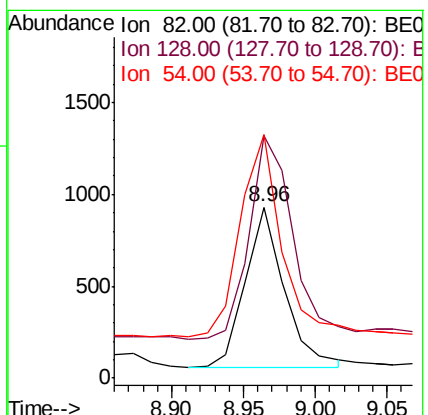
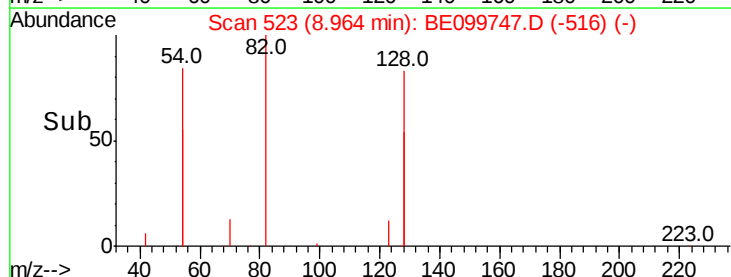
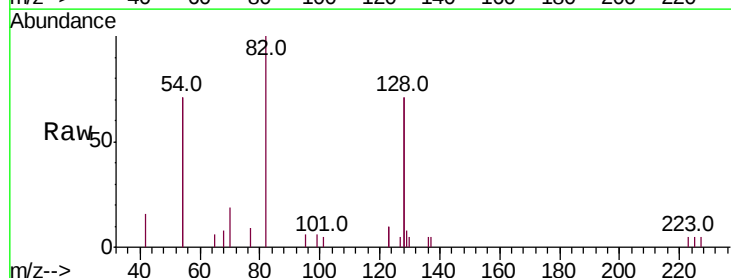
Tgt Ion: 82 Resp: 1634

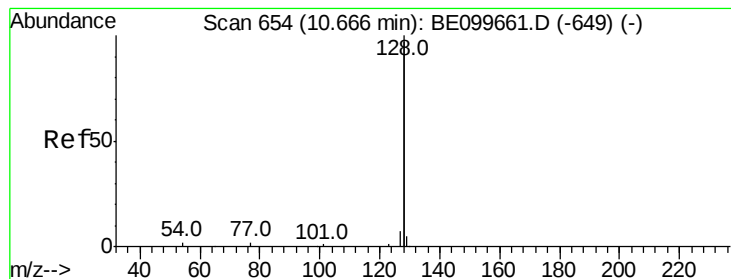
Ion Ratio Lower Upper

82 100

128 141.7 117.7 176.5

54 142.7 106.6 160.0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

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ClientSampleId :

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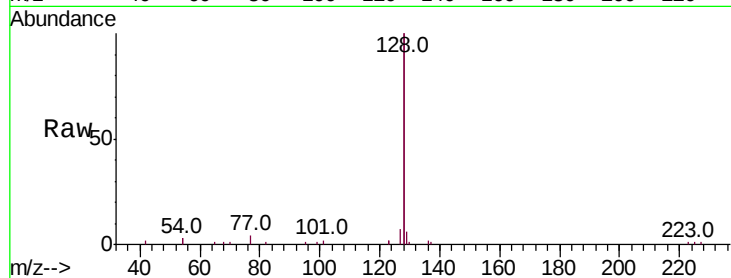
Tot Ion:128 Resp: 18249

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

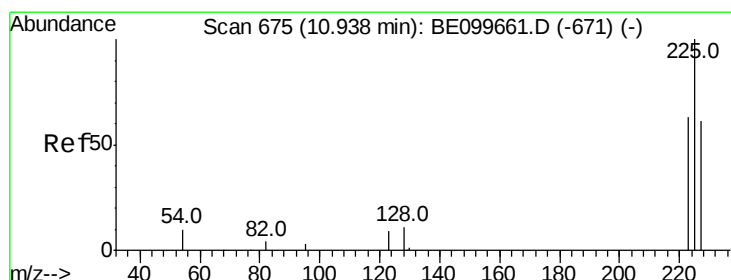
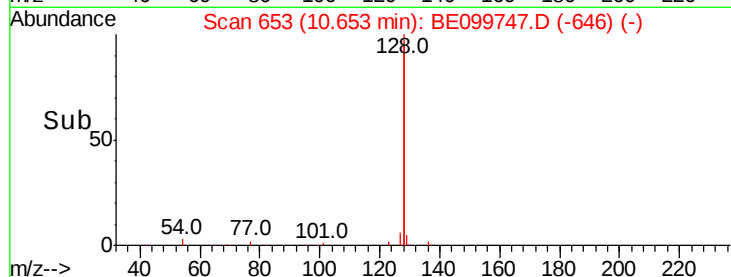
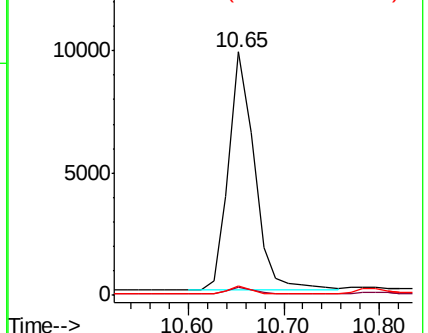
127 3.7 2.9 4.3



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: BE099747.D

Acq: 24 May 2019 17:57

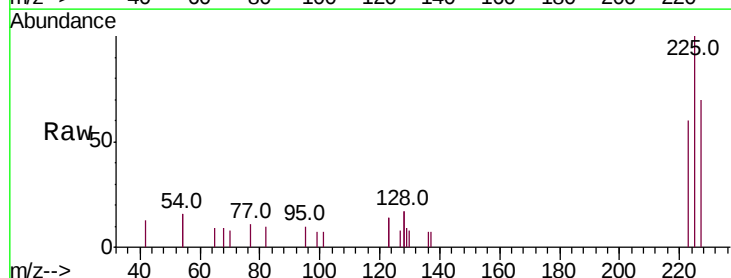
Tgt Ion:225 Resp: 1344

Ion Ratio Lower Upper

225 100

223 60.9 51.8 77.6

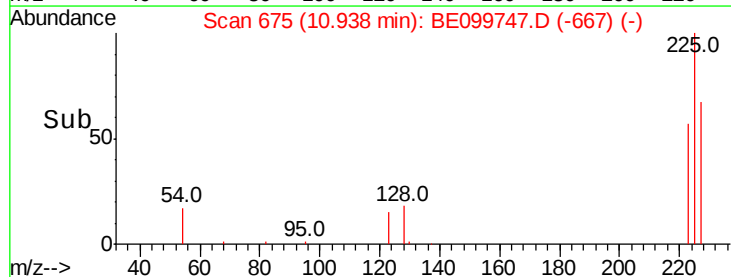
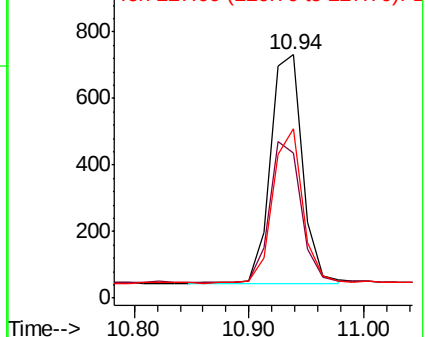
227 63.1 52.6 79.0

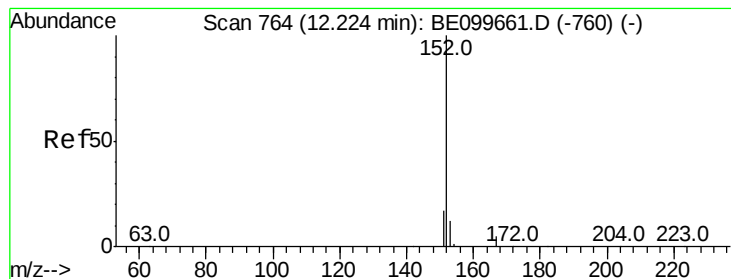


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.545 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

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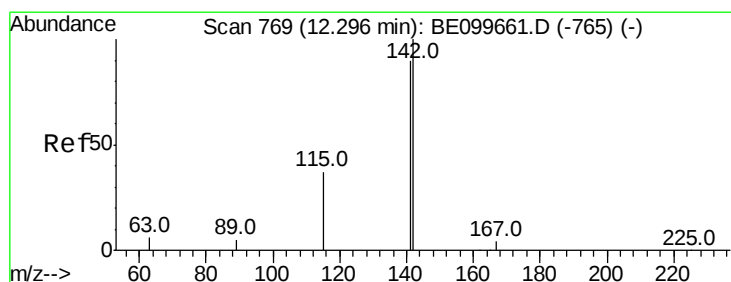
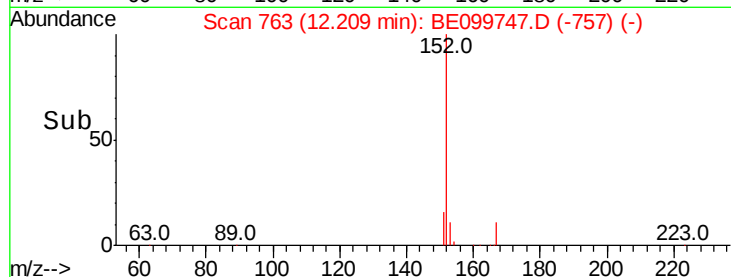
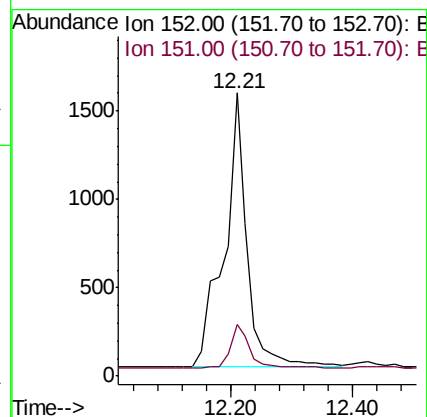
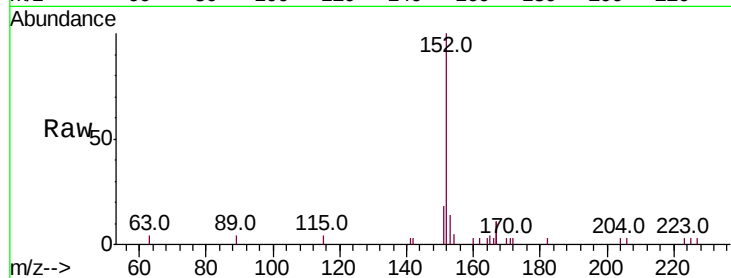
PB120039BS

Tot Ion:152 Resp: 4017

Ion Ratio Lower Upper

152 100

151 13.4 15.0 22.4#



#12

2-Methylnaphthalene

Concen: 0.400 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

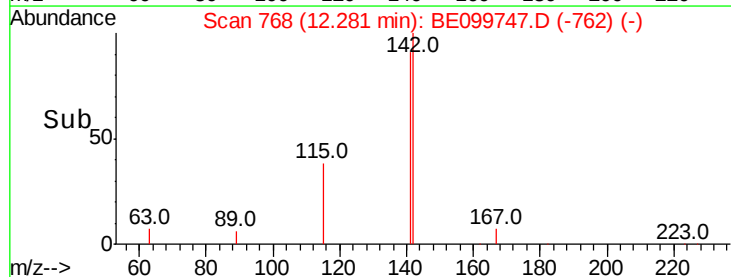
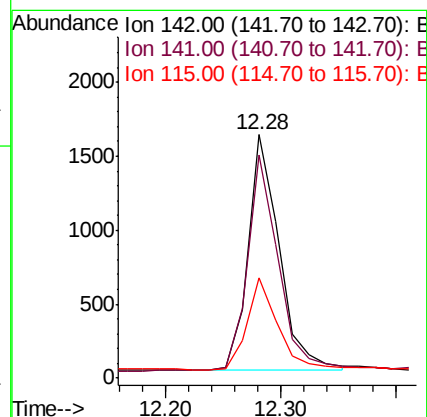
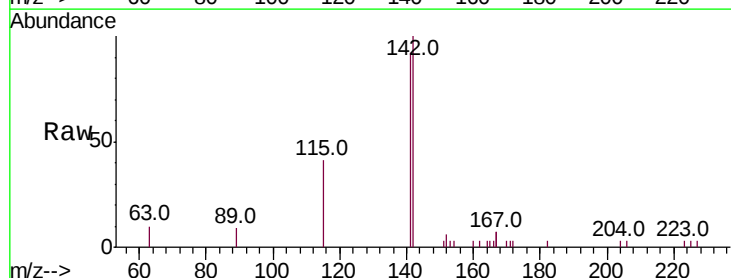
Tgt Ion:142 Resp: 2979

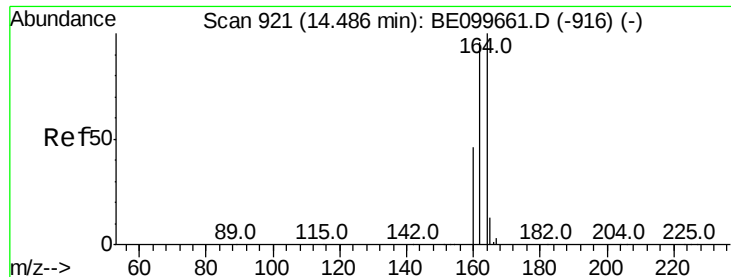
Ion Ratio Lower Upper

142 100

141 91.6 72.0 108.0

115 40.9 31.0 46.4

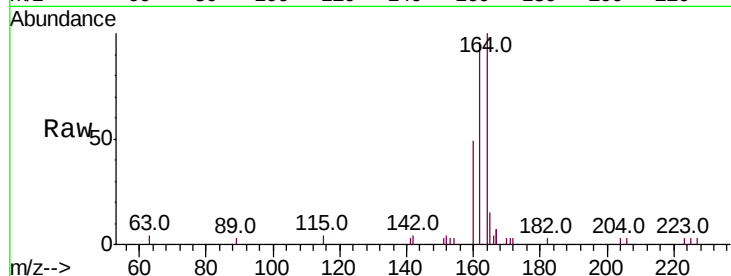




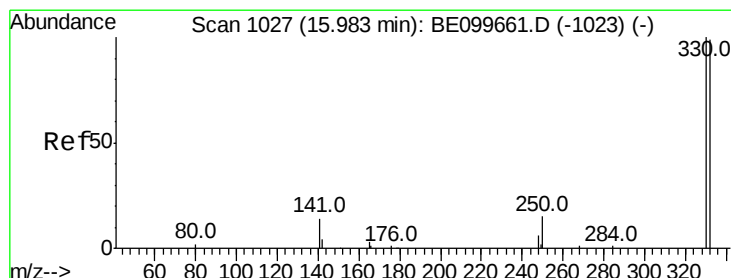
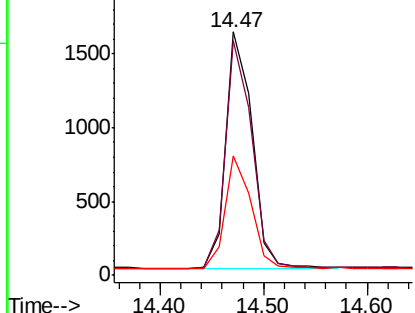
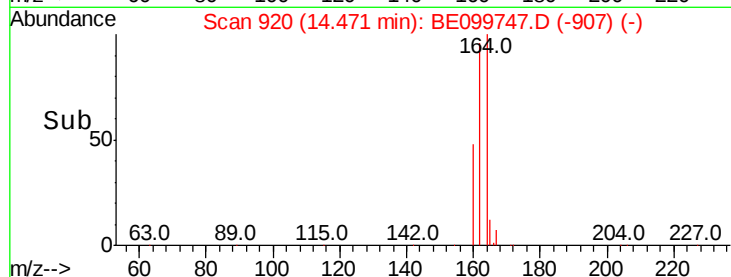
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BS

Tot Ion:164 Resp: 2827
 Ion Ratio Lower Upper
 164 100
 162 96.2 76.5 114.7
 160 49.1 37.4 56.2

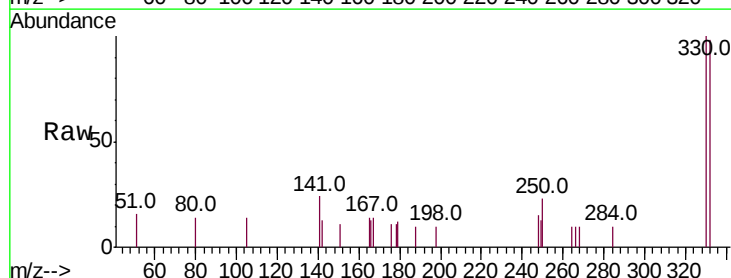


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

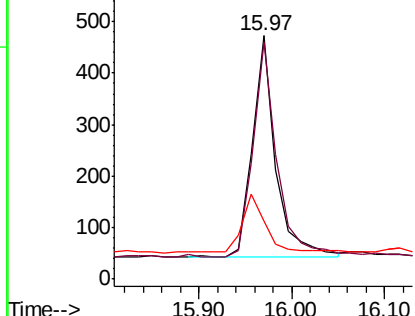
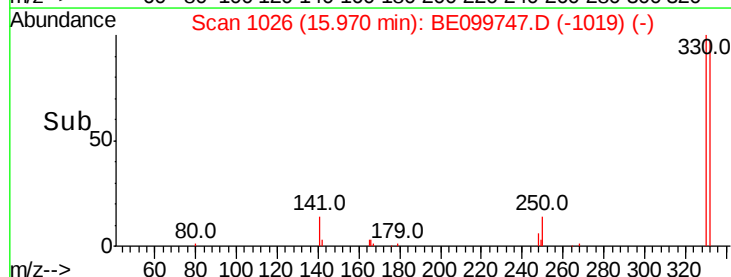


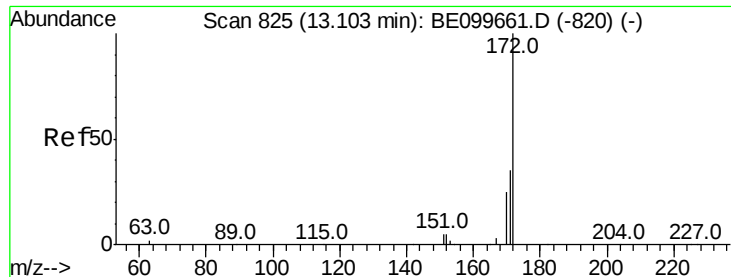
#14
 2,4,6-Tribromophenol
 Concen: 0.476 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Tgt Ion:330 Resp: 749
 Ion Ratio Lower Upper
 330 100
 332 104.1 77.3 115.9
 141 26.4 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: 0.424 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

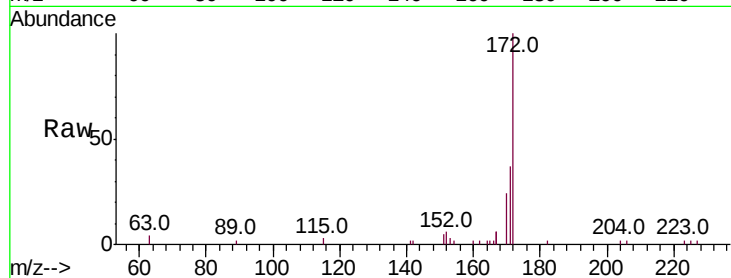
Tot Ion:172 Resp: 4553

Ion Ratio Lower Upper

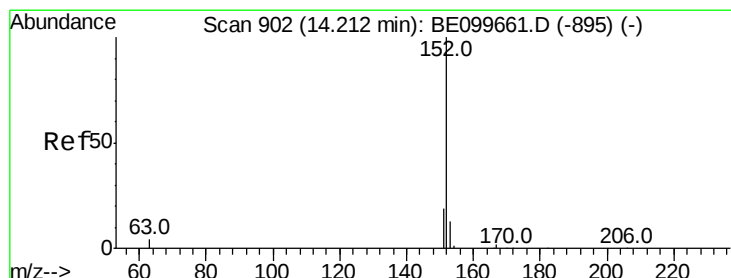
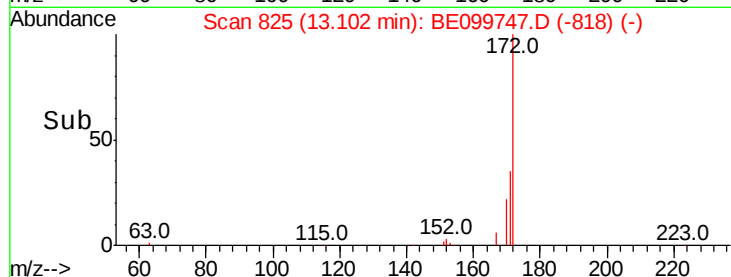
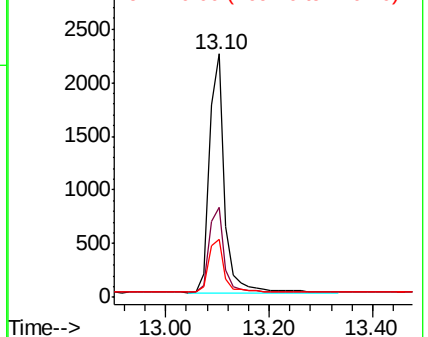
172 100

171 36.9 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: 0.404 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

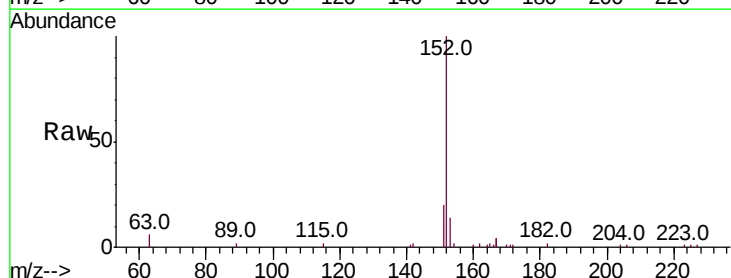
Tgt Ion:152 Resp: 5324

Ion Ratio Lower Upper

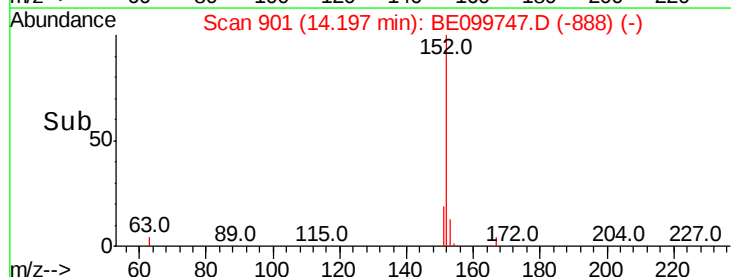
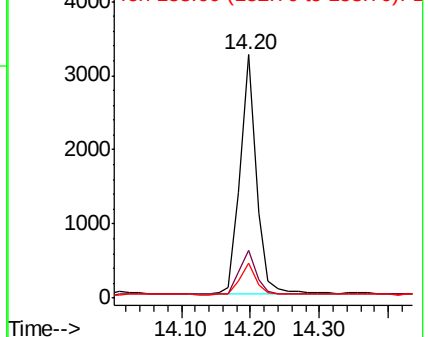
152 100

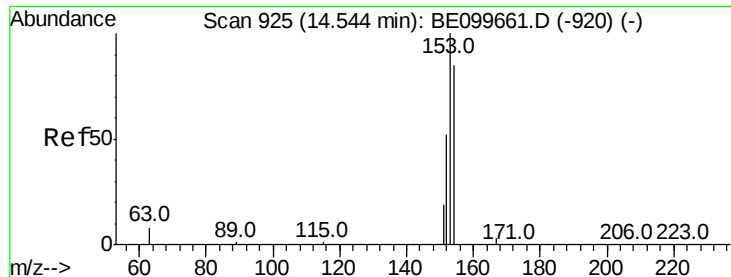
151 19.7 15.9 23.9

153 13.4 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

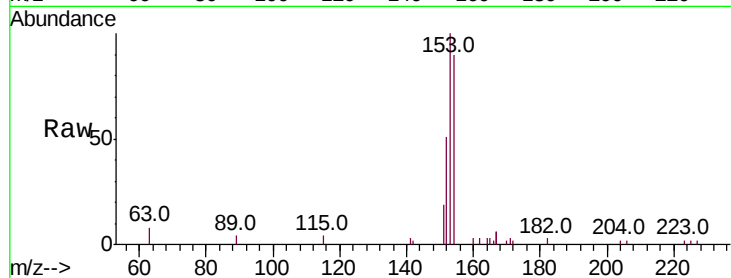
Tot Ion:154 Resp: 2916

Ion Ratio Lower Upper

154 100

153 117.9 91.8 137.6

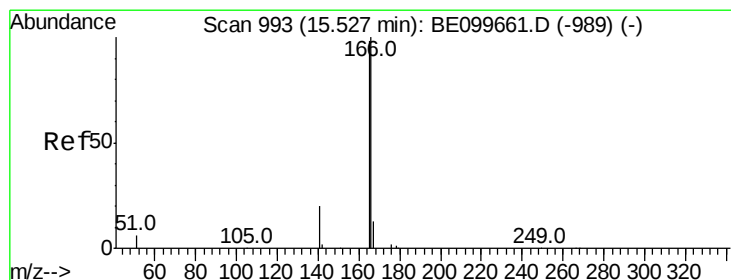
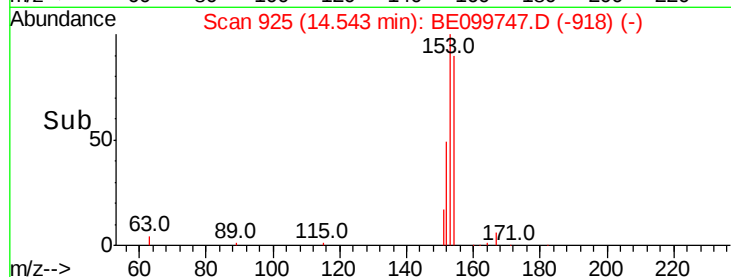
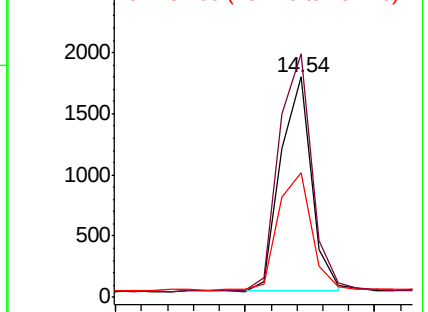
152 59.2 46.0 69.0



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: 0.397 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

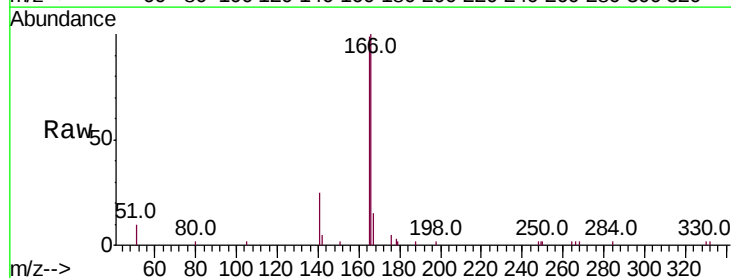
Tgt Ion:166 Resp: 4322

Ion Ratio Lower Upper

166 100

165 98.2 80.3 120.5

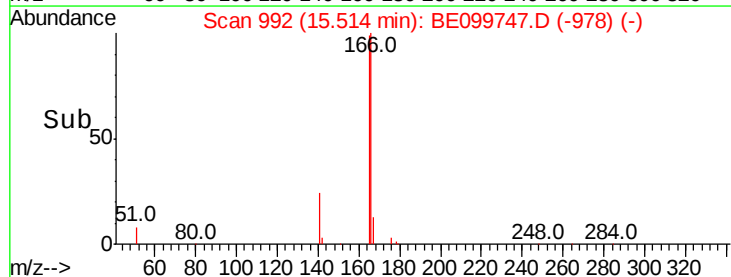
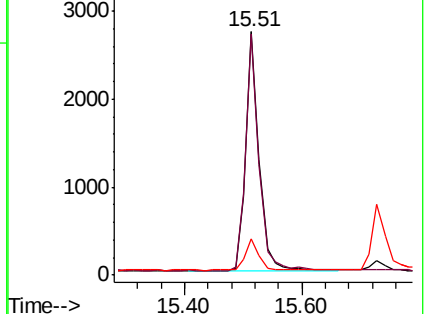
167 13.9 10.6 16.0

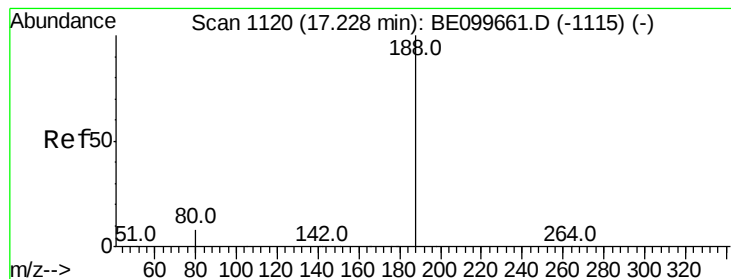


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

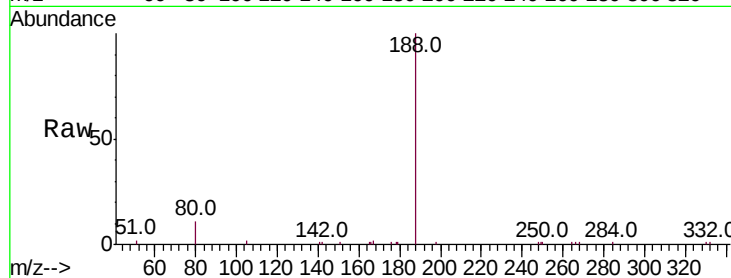
Tot Ion:188 Resp: 8262

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

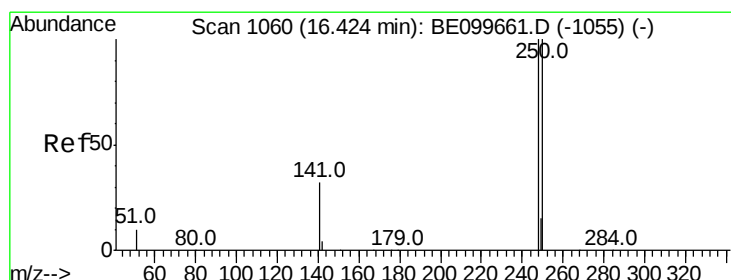
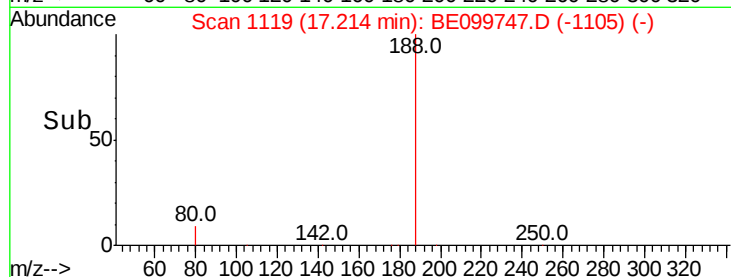
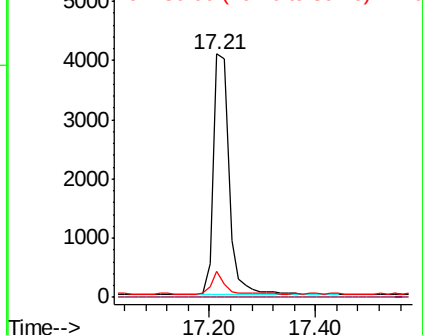
80 10.6 6.7 10.1#



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: 0.388 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

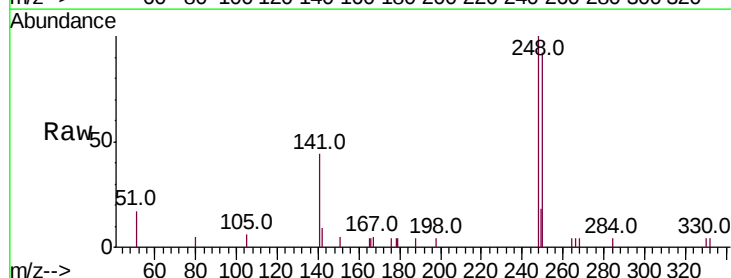
Tgt Ion:248 Resp: 1850

Ion Ratio Lower Upper

248 100

250 92.2 79.8 119.8

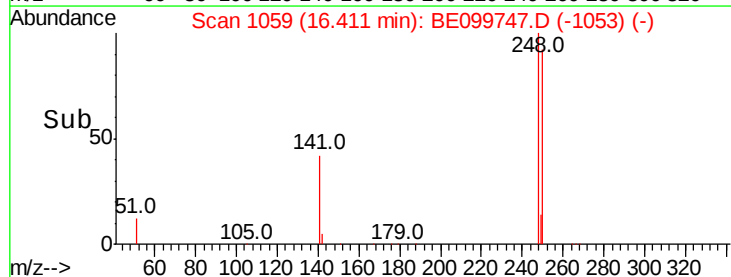
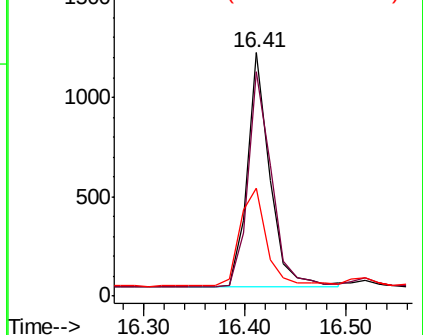
141 44.4 27.0 40.6#

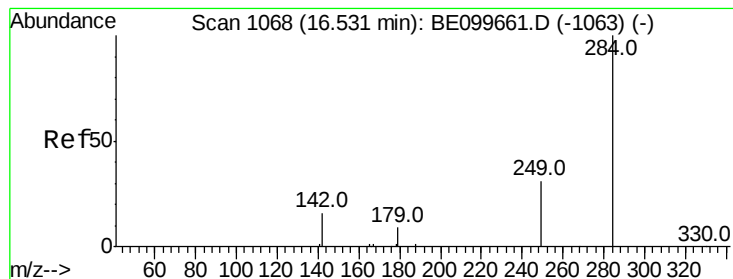


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

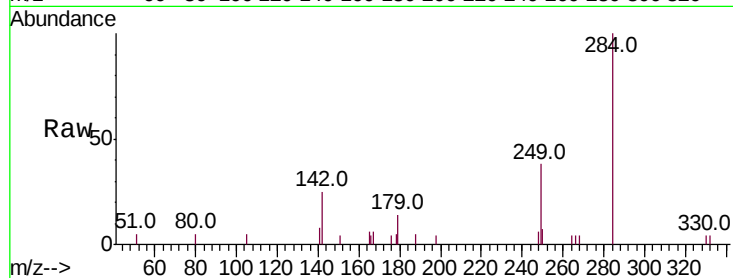
Tot Ion:284 Resp: 1904

Ion Ratio Lower Upper

284 100

142 23.9 17.8 26.6

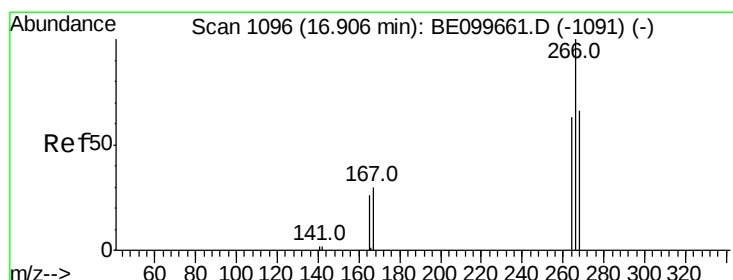
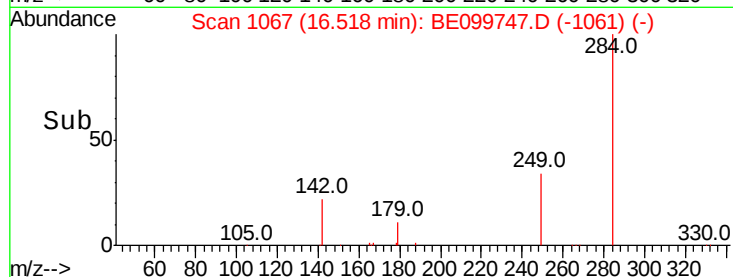
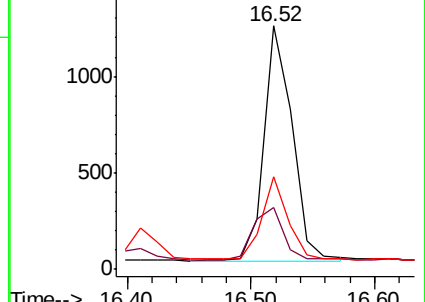
249 32.4 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.221 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

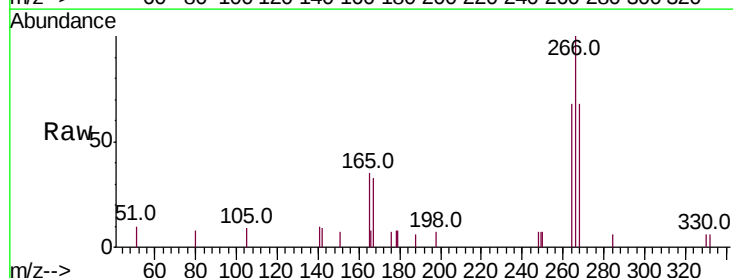
Tgt Ion:266 Resp: 1741

Ion Ratio Lower Upper

266 100

264 68.2 57.2 85.8

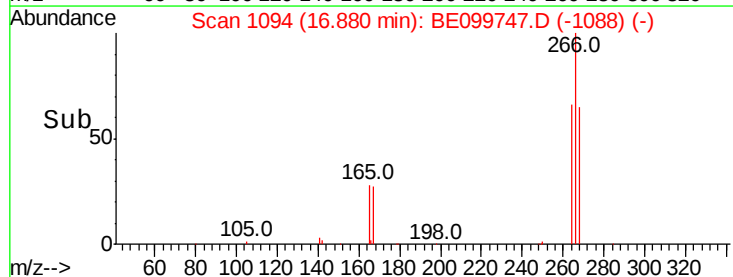
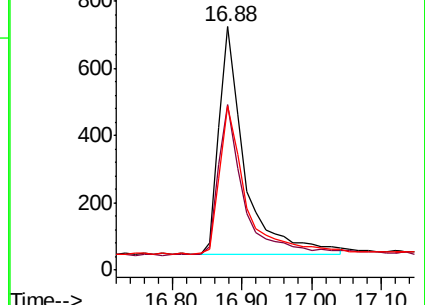
268 67.5 60.5 90.7

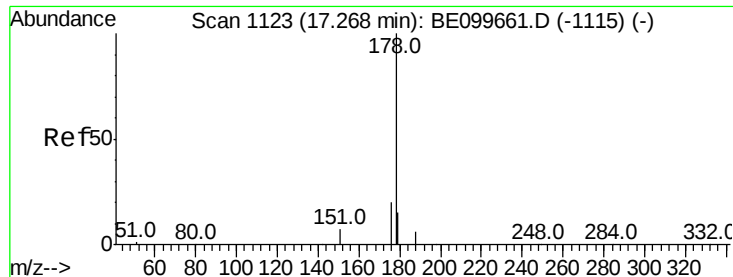


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.393 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

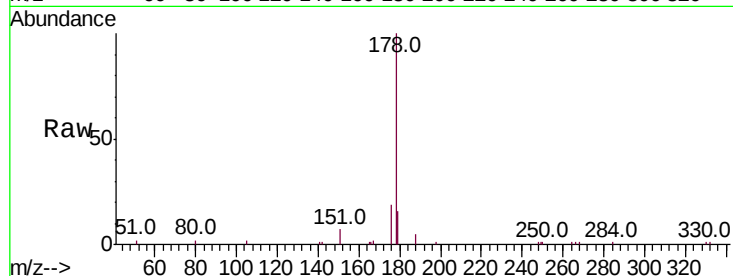
Tot Ion:178 Resp: 7933

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

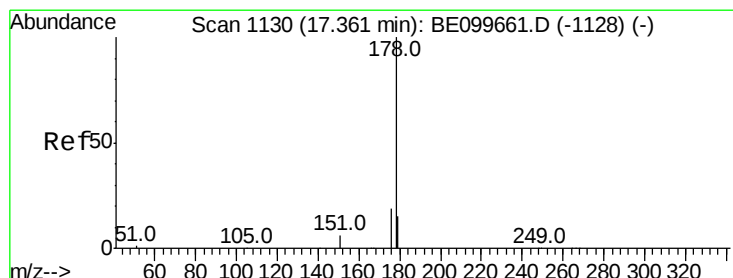
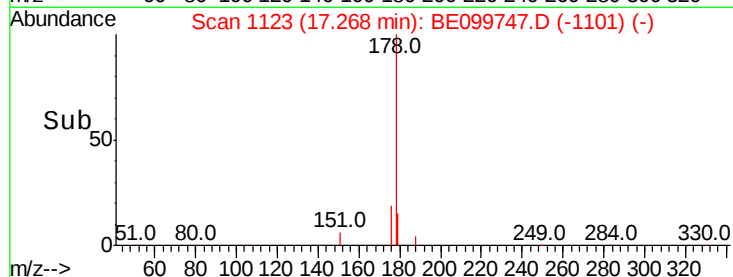
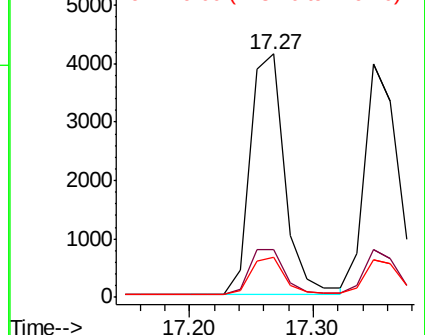
179 15.3 12.2 18.4



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: 0.393 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

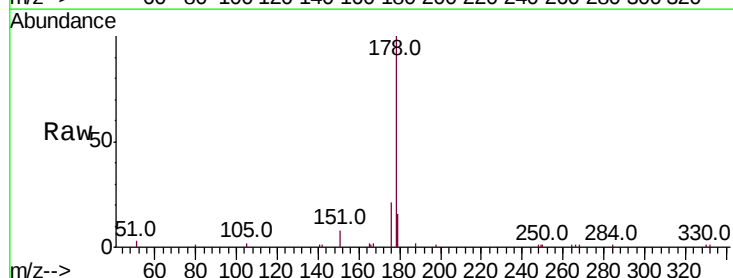
Tgt Ion:178 Resp: 7202

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

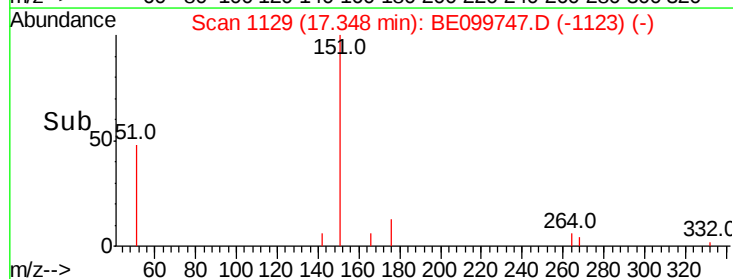
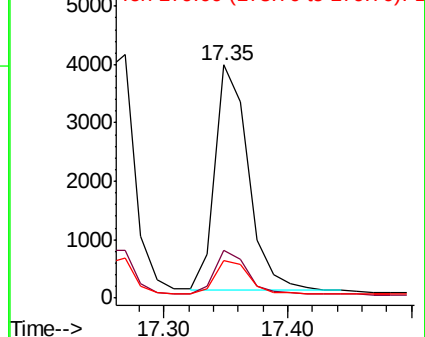
179 15.6 12.0 18.0

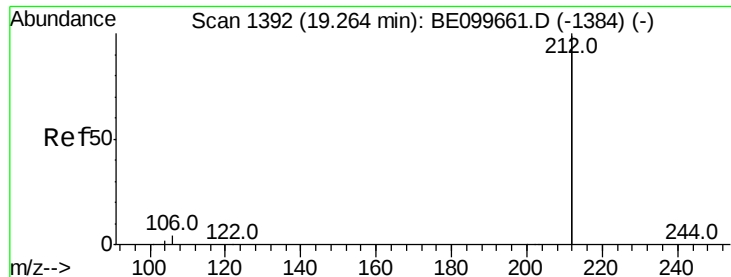


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

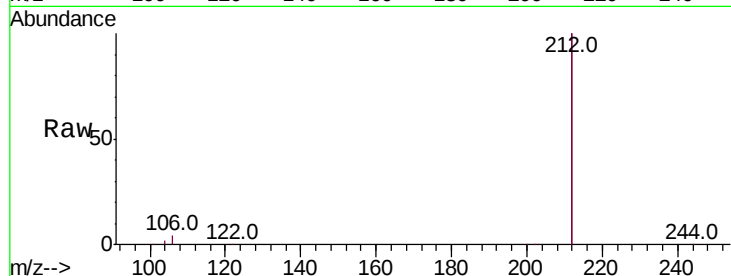
Tot Ion:212 Resp: 45855

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

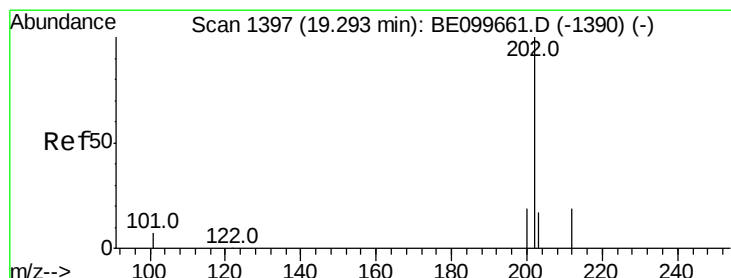
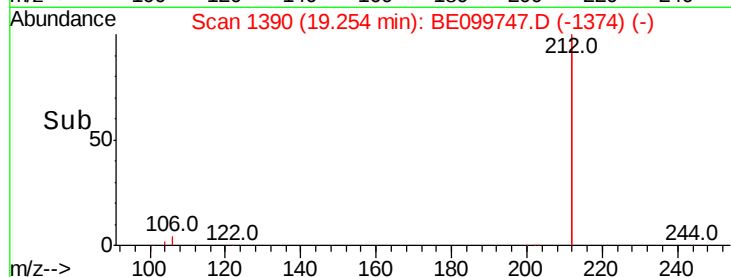
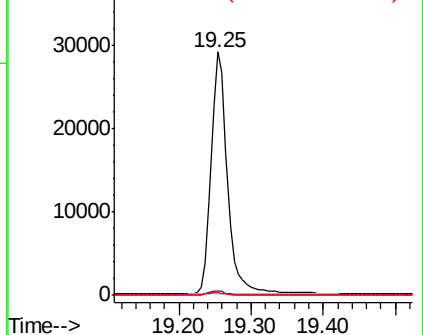
104 1.1 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.403 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

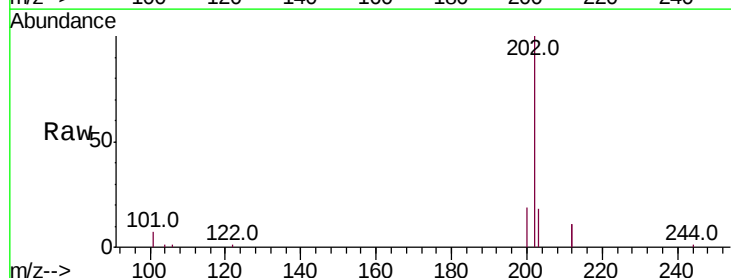
Tgt Ion:202 Resp: 12856

Ion Ratio Lower Upper

202 100

101 6.5 5.2 7.8

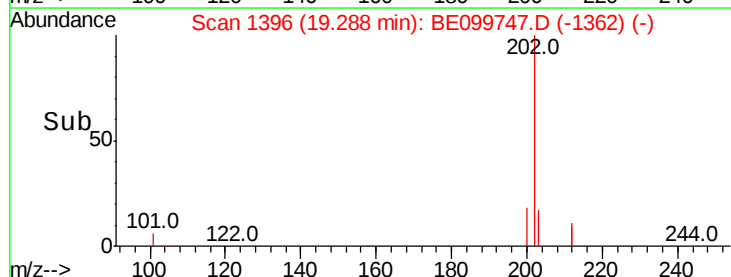
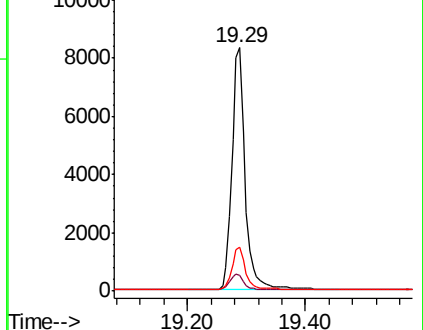
203 17.1 13.8 20.6

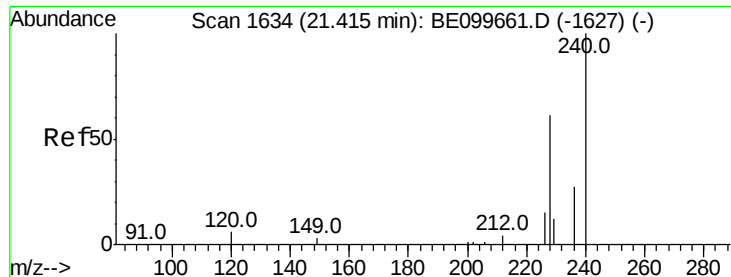


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

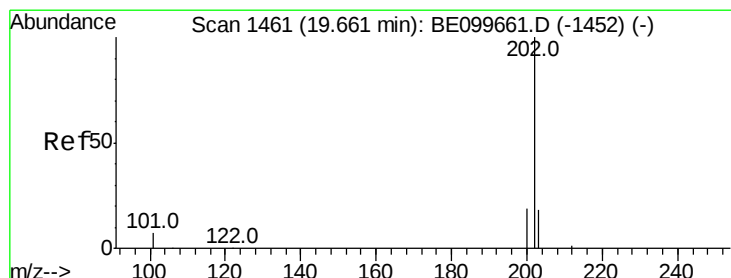
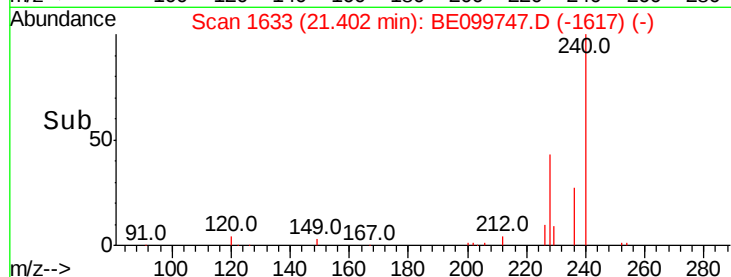
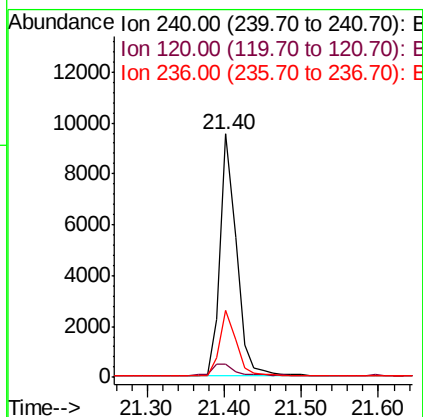
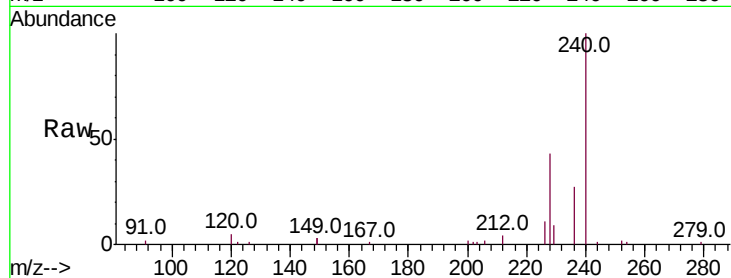




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

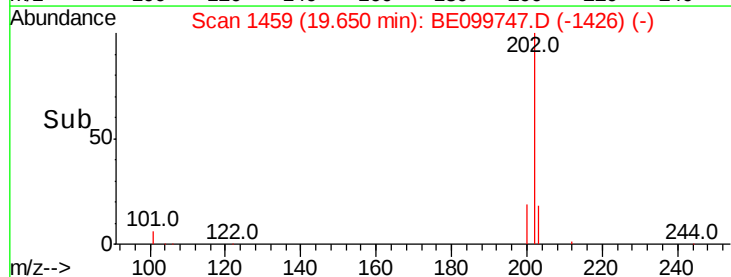
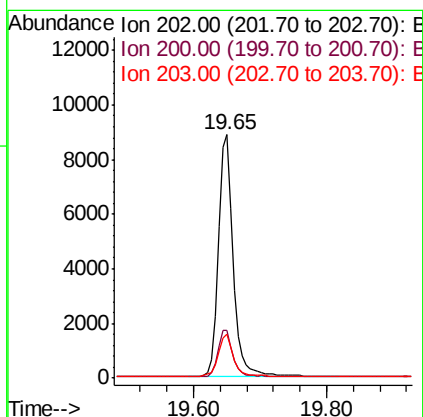
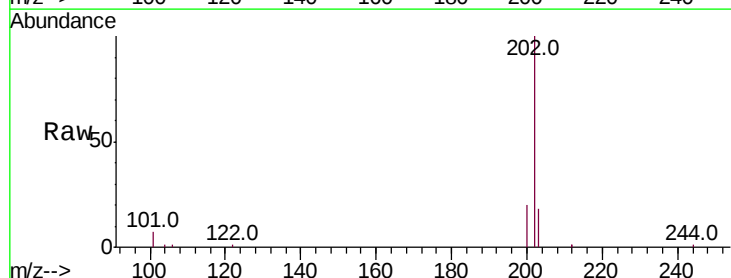
Instrument :
 BNA_E
 ClientSampleId :
 PB120039BS

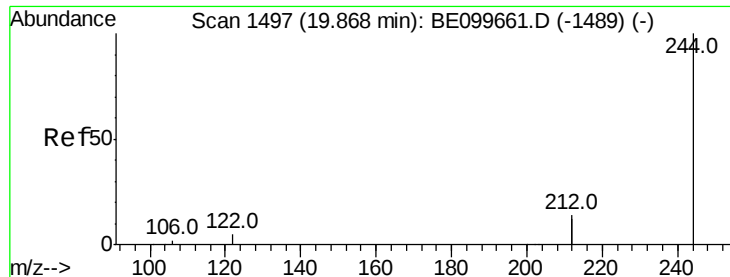
Tot Ion:240 Resp: 14078
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.4 8.0#
 236 27.4 21.7 32.5



#28
 Pyrene
 Concen: 0.382 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Tgt Ion:202 Resp: 13496
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

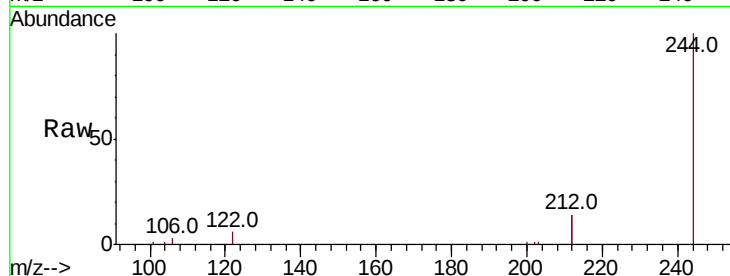
Tot Ion:244 Resp: 10571

Ion Ratio Lower Upper

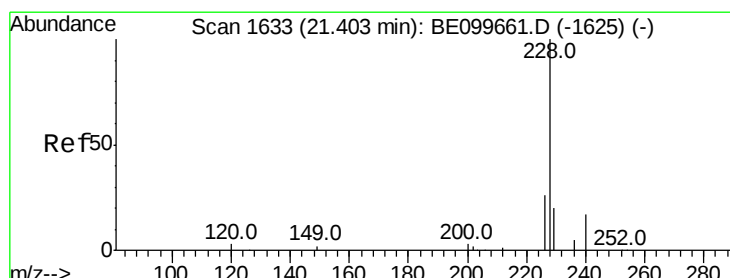
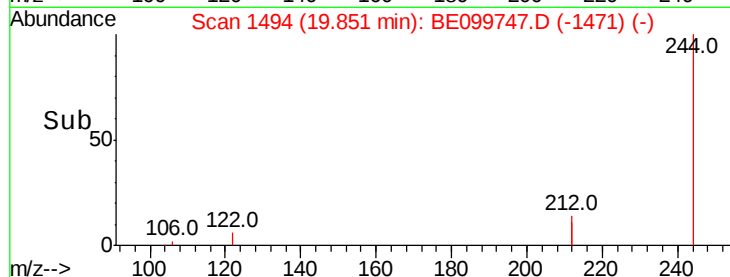
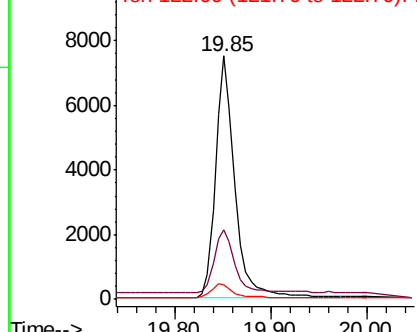
244 100

212 28.5 22.5 33.7

122 6.2 4.3 6.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.471 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

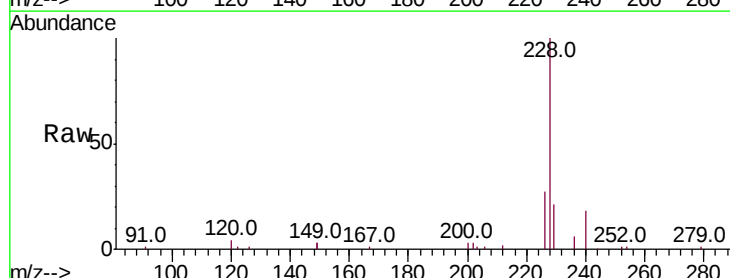
Tgt Ion:228 Resp: 18849

Ion Ratio Lower Upper

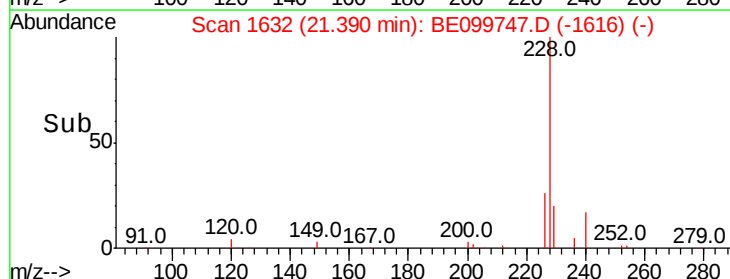
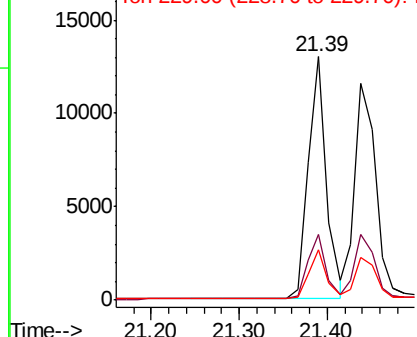
228 100

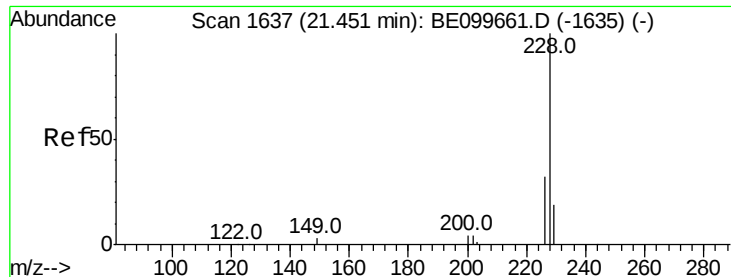
226 26.7 21.3 31.9

229 20.5 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: 0.445 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

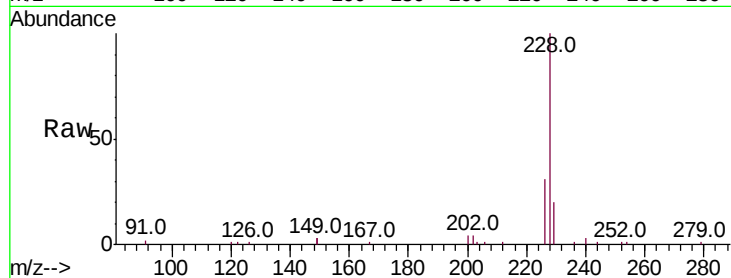
Tot Ion:228 Resp: 19052

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

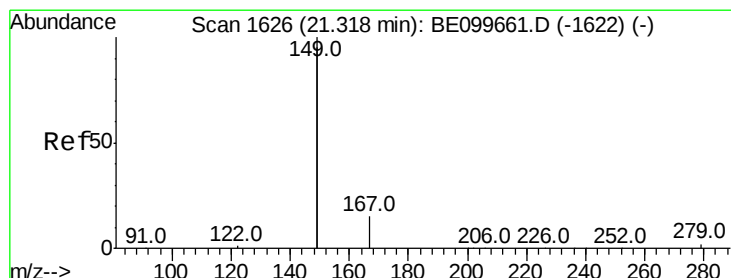
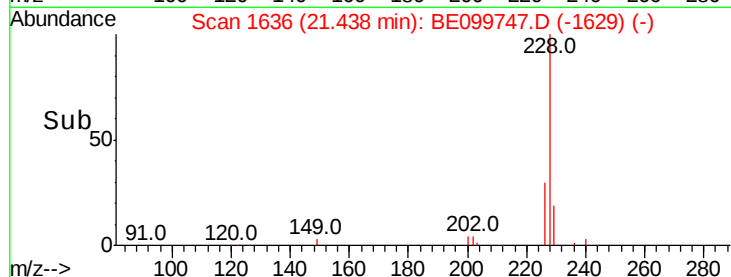
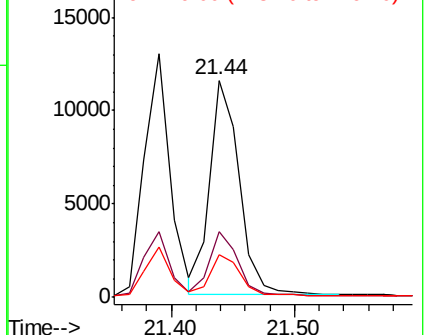
229 19.8 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.515 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

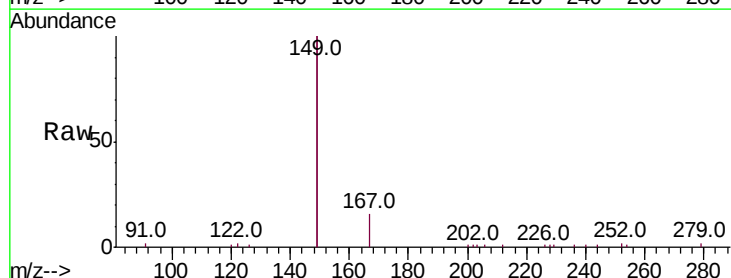
Tgt Ion:149 Resp: 23744

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

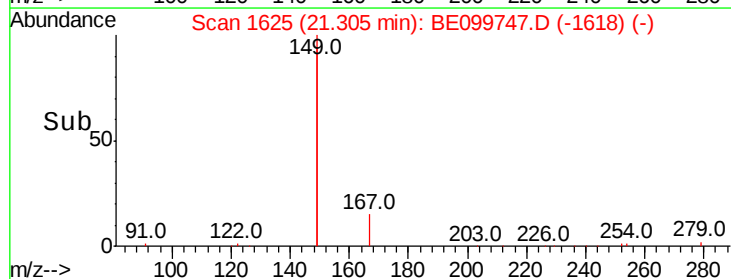
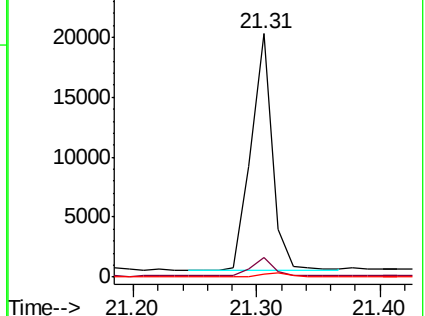
279 1.6 1.2 1.8

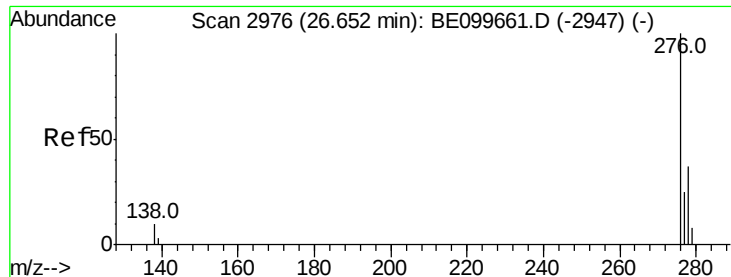


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.468 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

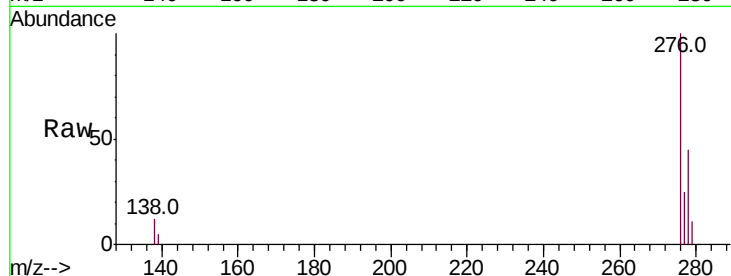
Tot Ion:276 Resp: 24162

Ion Ratio Lower Upper

276 100

138 12.7 9.6 14.4

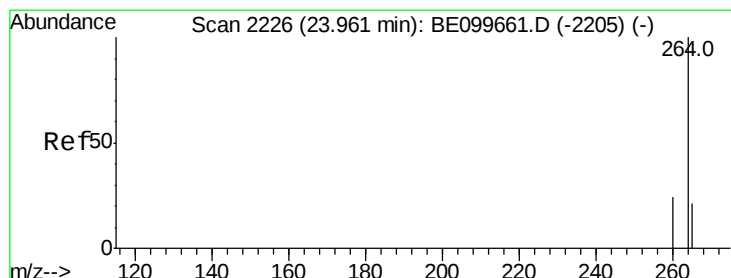
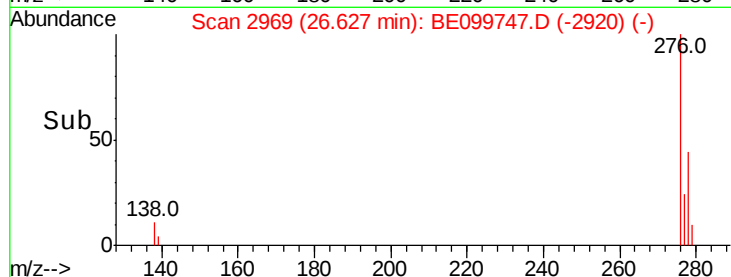
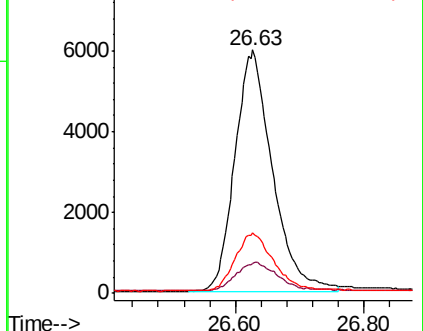
277 24.8 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

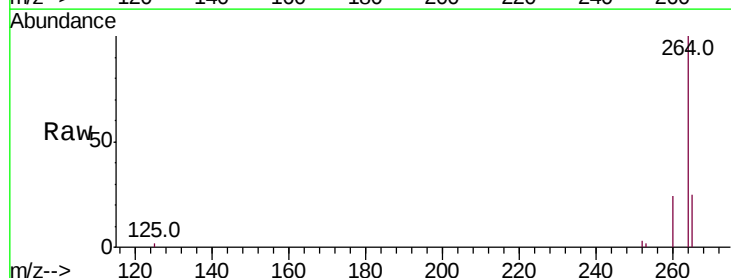
Tgt Ion:264 Resp: 17454

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

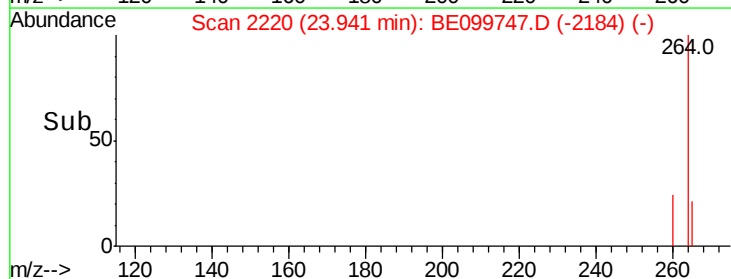
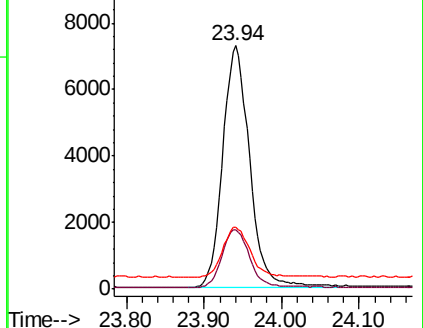
265 25.3 19.1 28.7

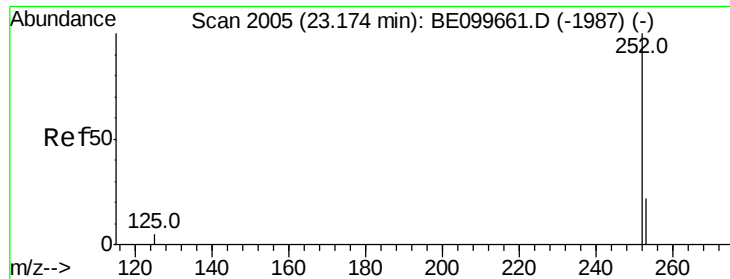


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

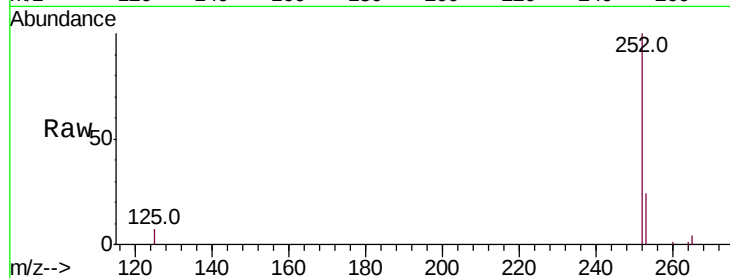




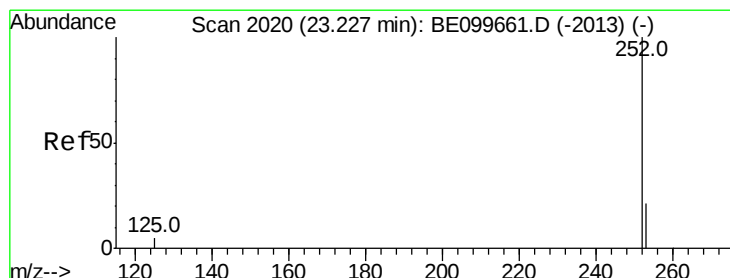
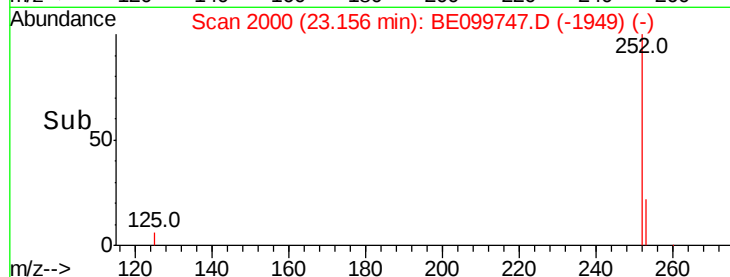
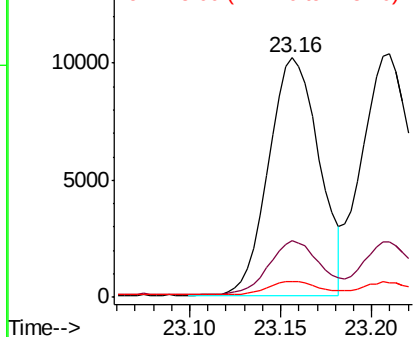
#35
Benzo(b)fluoranthene
Concen: 0.408 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion:252 Resp: 19490
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 6.6 4.5 6.7

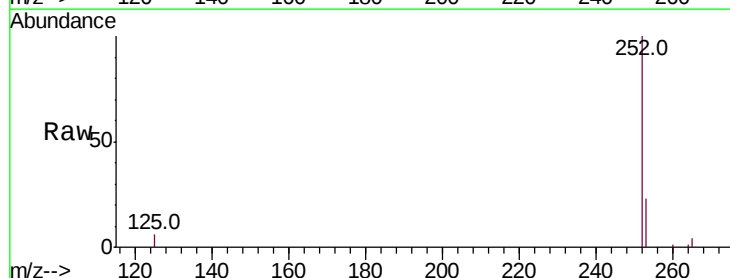


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

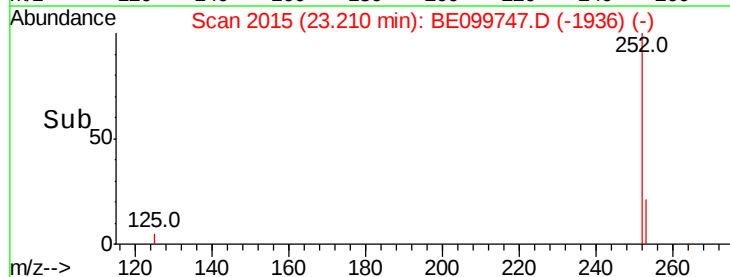
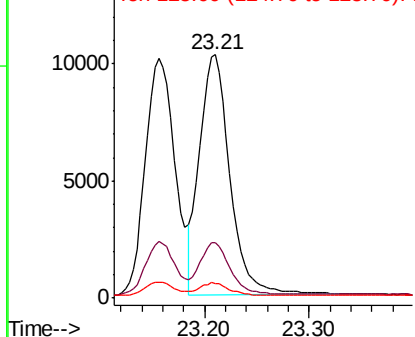


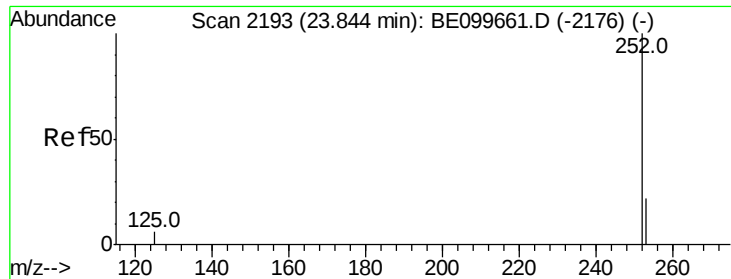
#36
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 23.21 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:252 Resp: 20618
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 6.1 4.6 6.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.433 ng

RT: 23.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

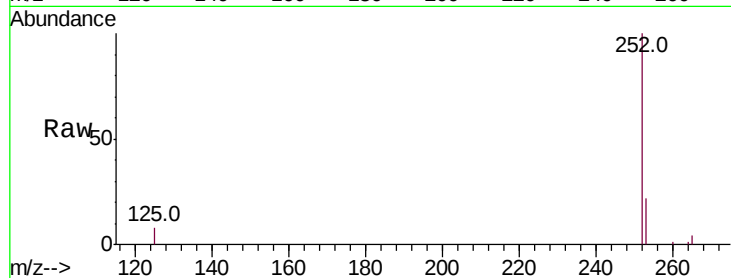
Tot Ion:252 Resp: 19919

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

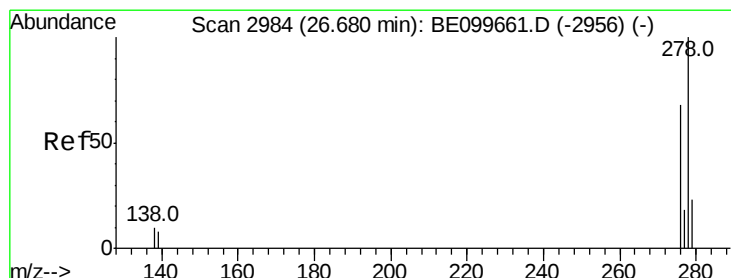
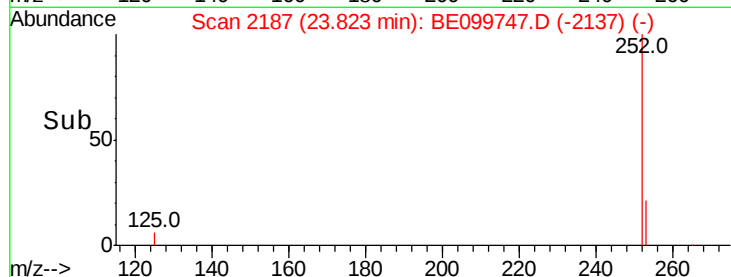
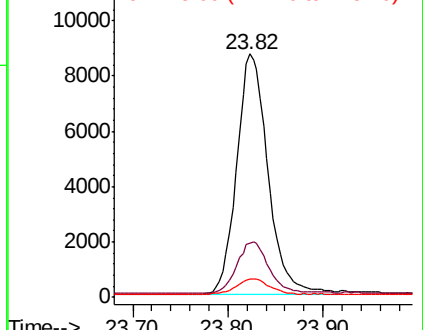
125 7.6 5.4 8.0



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: 0.416 ng

RT: 26.66 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

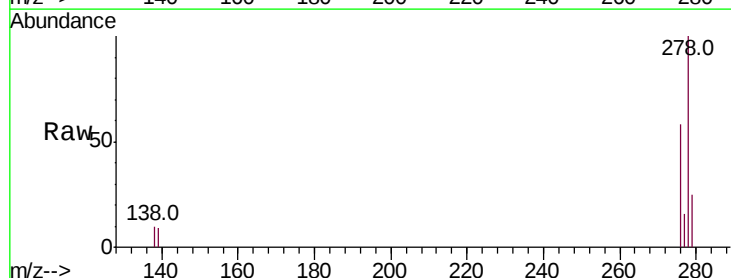
Tgt Ion:278 Resp: 20082

Ion Ratio Lower Upper

278 100

139 9.1 6.9 10.3

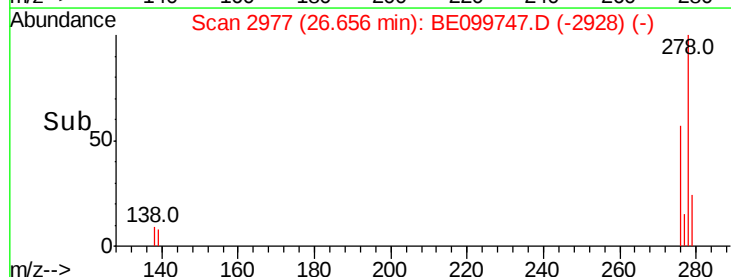
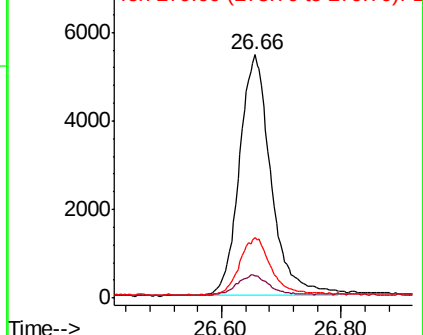
279 24.8 19.2 28.8

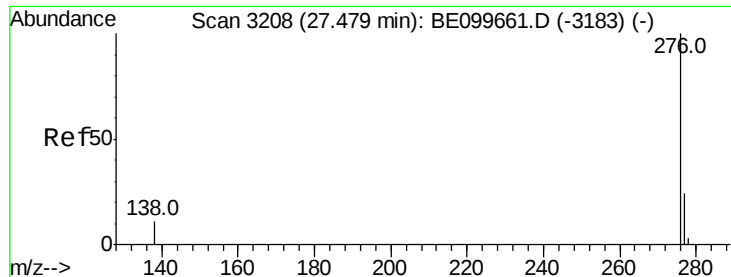


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.423 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampleId :

PB120039BS

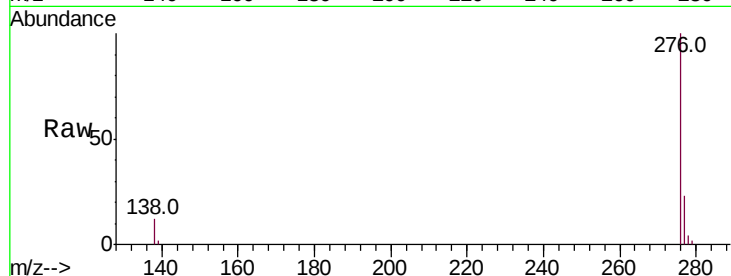
Tot Ion:276 Resp: 20655

Ion Ratio Lower Upper

276 100

277 23.4 19.8 29.6

138 11.9 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

