

Data File : BE099708.D
Acq On : 22 May 2019 2:35
Operator : JU/SJ
Sample : PB119877BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119877BS

Quant Time: May 22 08:19:56 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	1721	0.40	ng	0.00
7) Naphthalene-d8	10.62	136	5916	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4016	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11885	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17266	0.40	ng	0.00
34) Perylene-d12	23.96	264	19921	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1909	0.44	ng	0.00
5) Phenol-d6	6.97	99	2613	0.45	ng	0.00
8) Nitrobenzene-d5	8.97	82	2191	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	5547	0.54	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	880	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	6351	0.42	ng	0.00
25) Fluoranthene-d10	19.26	212	65483	0.40	ng	0.00
29) Terphenyl-d14	19.86	244	14202	0.46	ng	0.00

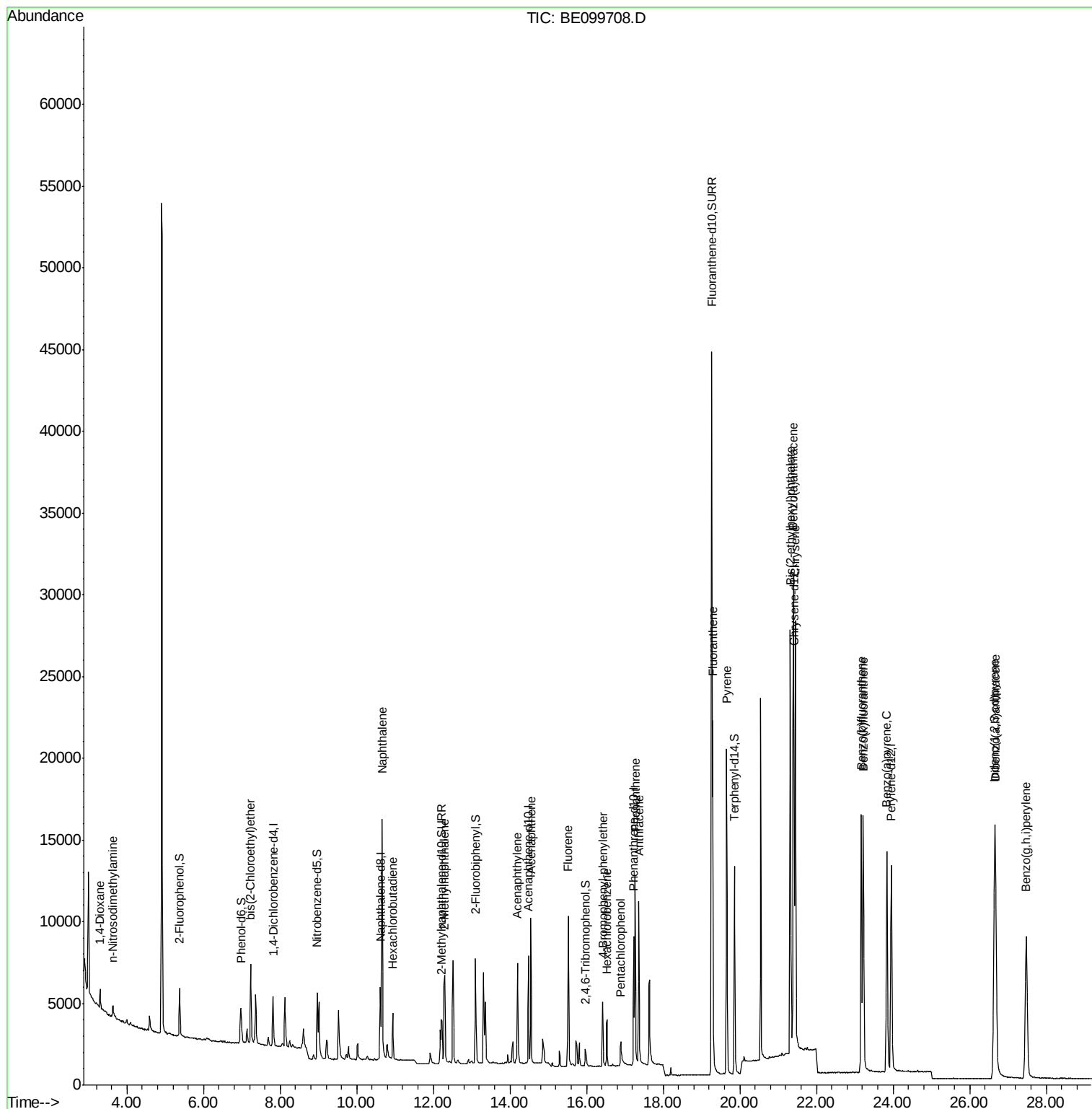
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	752	0.295	ng	# 69
3) n-Nitrosodimethylamine	3.62	42	549	0.390	ng	# 78
6) bis(2-Chloroethyl)ether	7.23	93	2136	0.417	ng	97
9) Naphthalene	10.67	128	27429	0.434	ng	100
10) Hexachlorobutadiene	10.94	225	1996	0.428	ng	96
12) 2-Methylnaphthalene	12.30	142	4690	0.455	ng	98
16) Acenaphthylene	14.20	152	8054	0.430	ng	100
17) Acenaphthene	14.54	154	4435	0.422	ng	97
18) Fluorene	15.52	166	6394	0.413	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2874	0.419	ng	96
21) Hexachlorobenzene	16.53	284	2972	0.424	ng	99
22) Pentachlorophenol	16.89	266	1677	0.907	ng	92
23) Phenanthrene	17.27	178	12185	0.420	ng	100
24) Anthracene	17.36	178	11422	0.434	ng	98
26) Fluoranthene	19.29	202	19304	0.420	ng	100
28) Pyrene	19.65	202	20058	0.462	ng	99
30) Benzo(a)anthracene	21.40	228	24331	0.496	ng	100
31) Chrysene	21.45	228	24619	0.469	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	30830	0.545	ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	28623	0.452	ng	99
35) Benzo(b)fluoranthene	23.17	252	23740	0.435	ng	99
36) Benzo(k)fluoranthene	23.22	252	24814	0.436	ng	99
37) Benzo(a)pyrene	23.84	252	23552	0.448	ng	98
38) Dibenzo(a,h)anthracene	26.67	278	23703	0.430	ng	99
39) Benzo(g,h,i)perylene	27.48	276	24246	0.435	ng	99

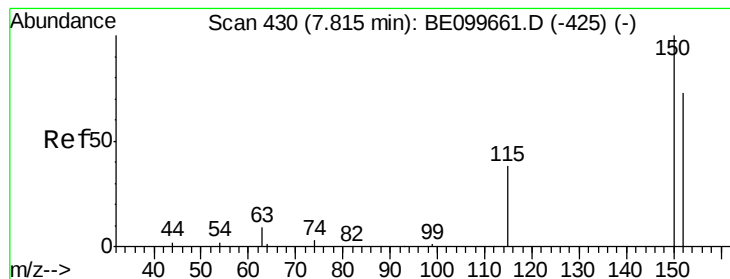
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

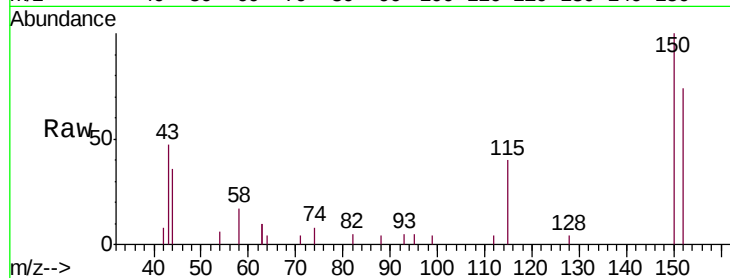
Tgt Ion:152 Resp: 1721

Ion Ratio Lower Upper

152 100

150 134.6 109.2 163.8

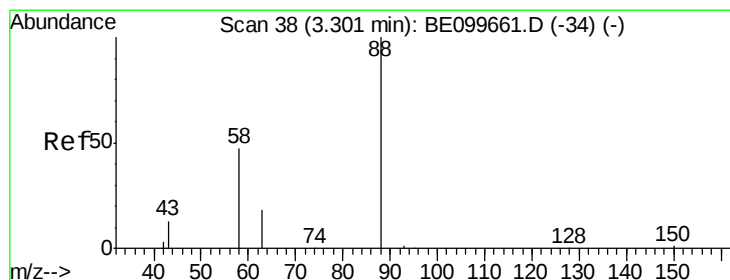
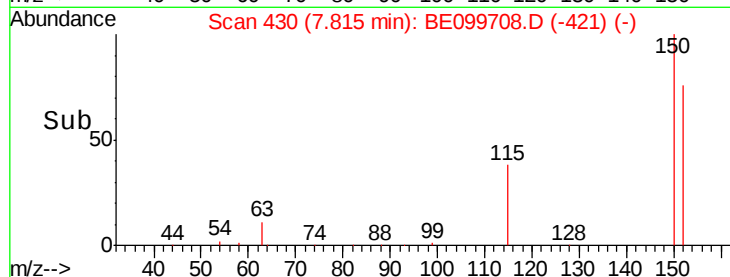
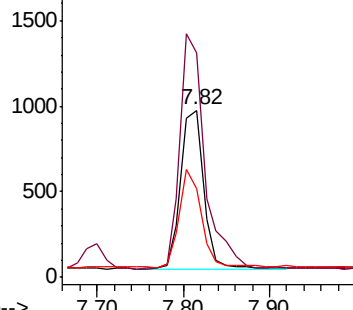
115 53.3 43.7 65.5



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: 0.295 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

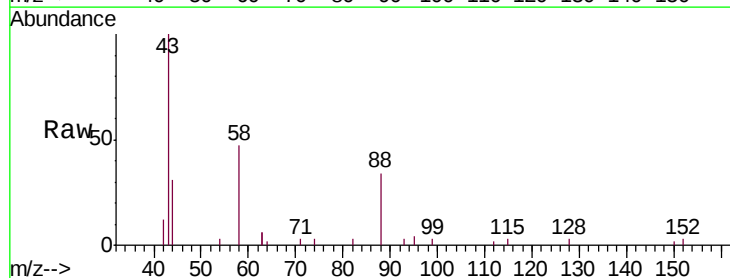
Tgt Ion: 88 Resp: 752

Ion Ratio Lower Upper

88 100

58 71.5 41.8 62.8#

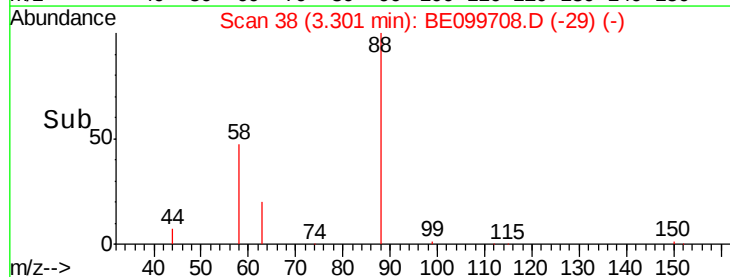
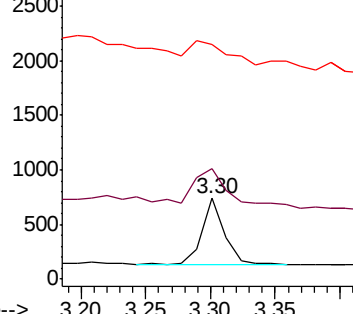
43 37.1 15.0 22.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.390 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

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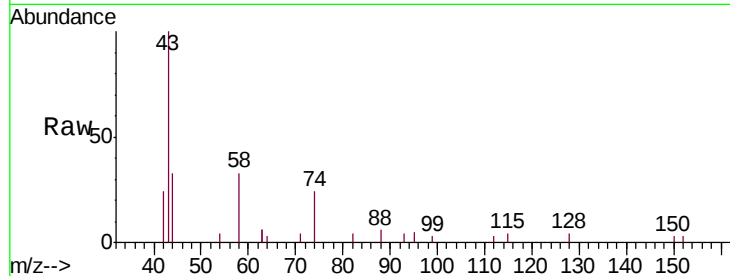
Tgt Ion: 42 Resp: 549

Ion Ratio Lower Upper

42 100

74 190.7 129.2 193.8

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

800

600

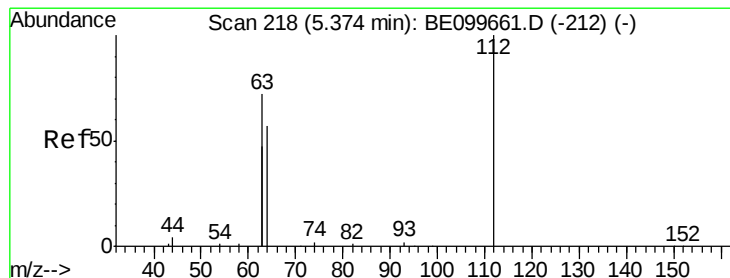
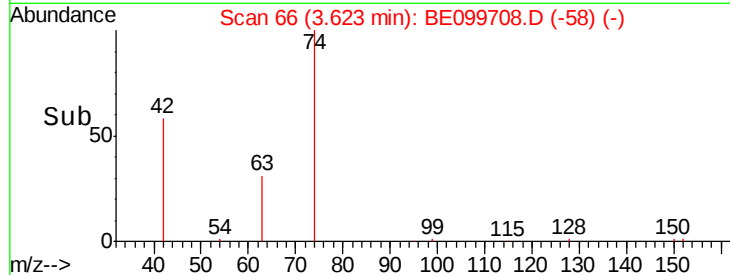
400

200

0

3.55 3.60 3.65 3.70

Time-->



#4

2-Fluorophenol

Concen: 0.439 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

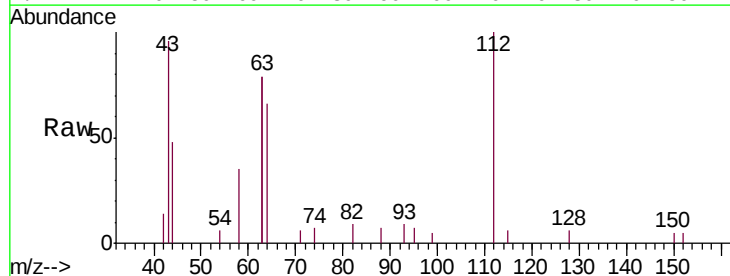
Tgt Ion: 112 Resp: 1909

Ion Ratio Lower Upper

112 100

64 54.8 43.4 65.2

63 117.7 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

2000

1500

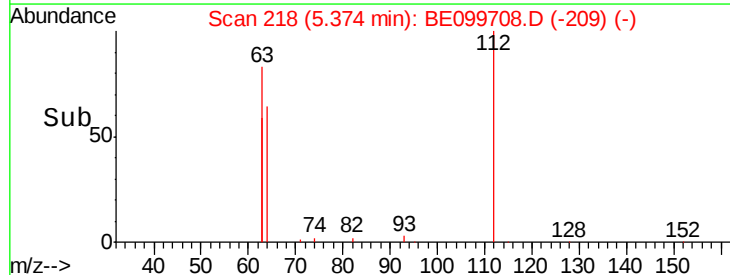
1000

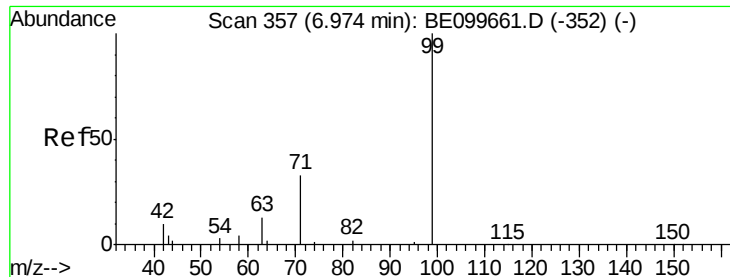
500

0

5.30 5.40 5.50 5.60

Time-->





#5

Phenol-d6

Concen: 0.454 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

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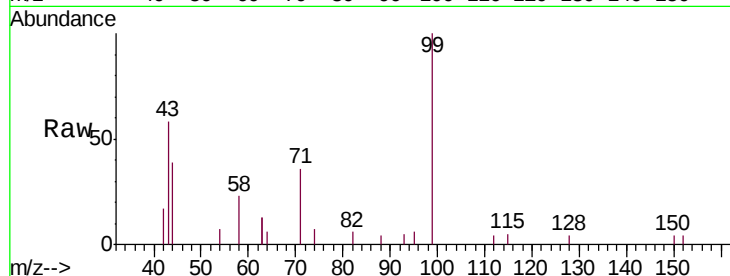
Tgt Ion: 99 Resp: 2613

Ion Ratio Lower Upper

99 100

42 13.4 12.2 18.2

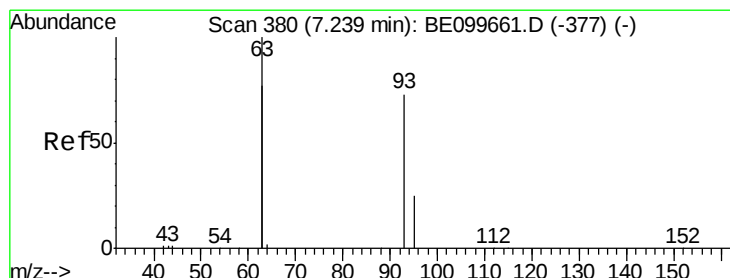
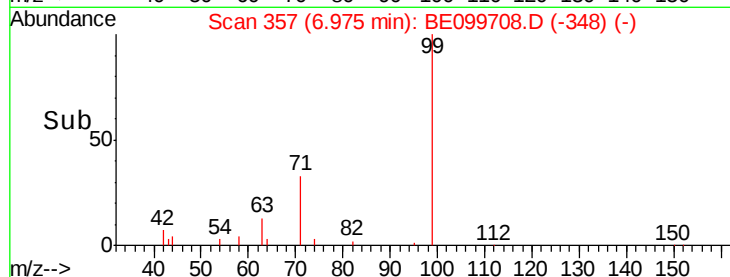
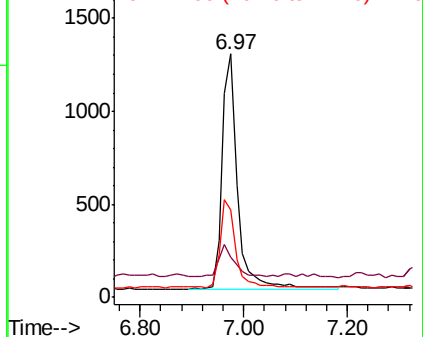
71 36.7 28.9 43.3



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: 0.417 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

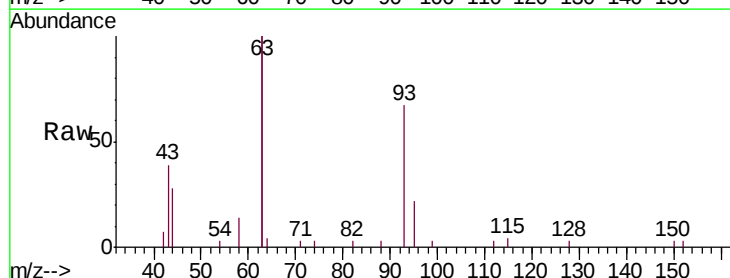
Tgt Ion: 93 Resp: 2136

Ion Ratio Lower Upper

93 100

63 265.1 207.8 311.6

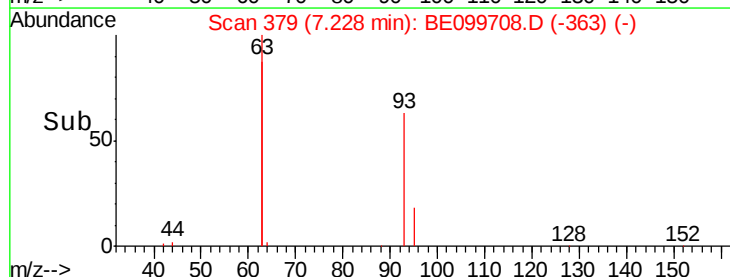
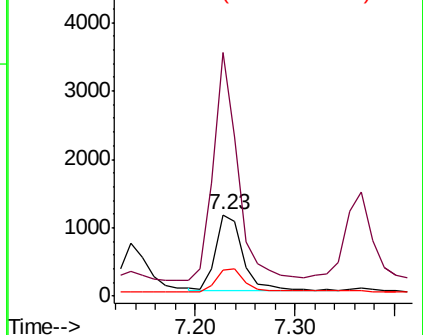
95 32.5 25.9 38.9

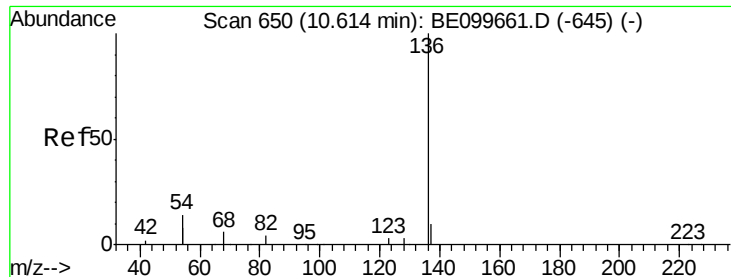


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

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Tgt Ion: 136 Resp: 5916

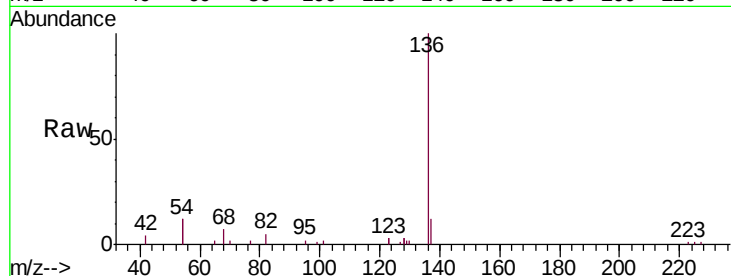
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 23.1 22.3 33.5

68 6.9 6.0 9.0

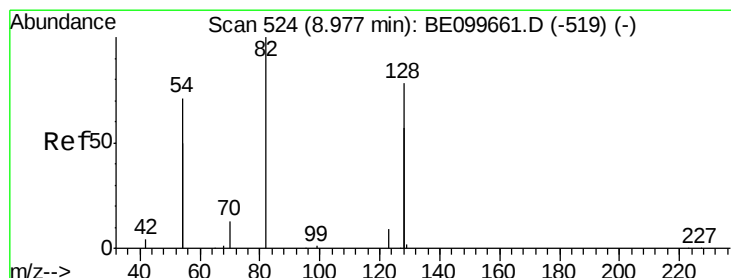
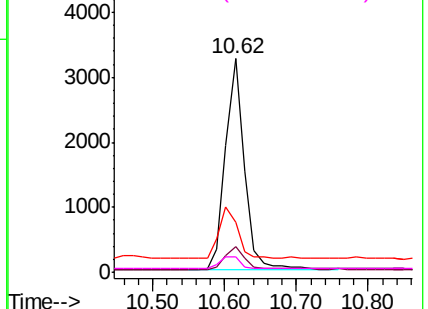
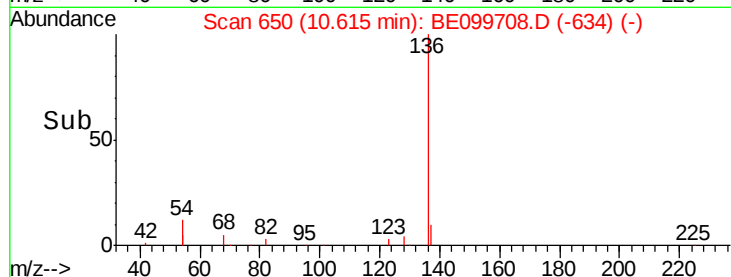


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.428 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

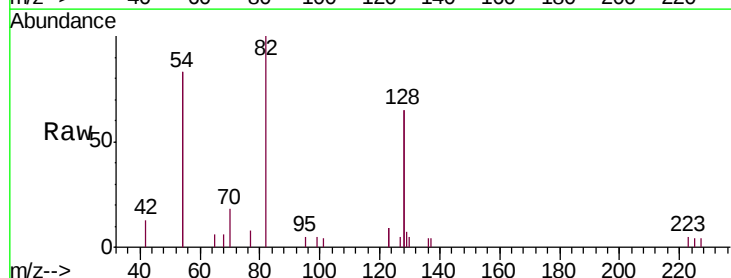
Tgt Ion: 82 Resp: 2191

Ion Ratio Lower Upper

82 100

128 129.1 117.7 176.5

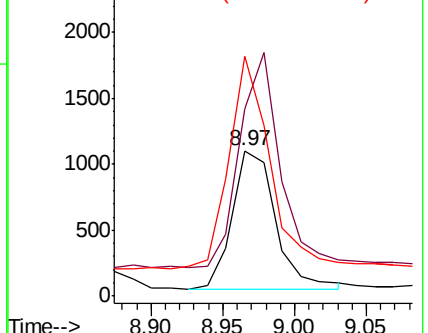
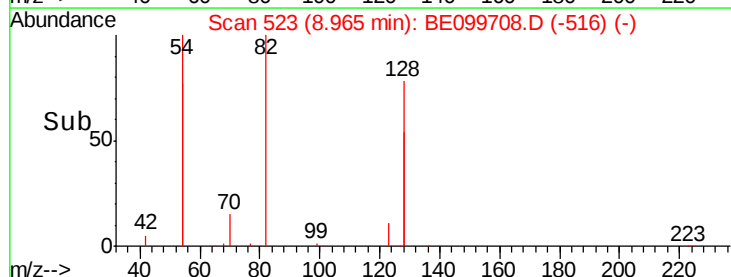
54 165.4 106.6 160.0#

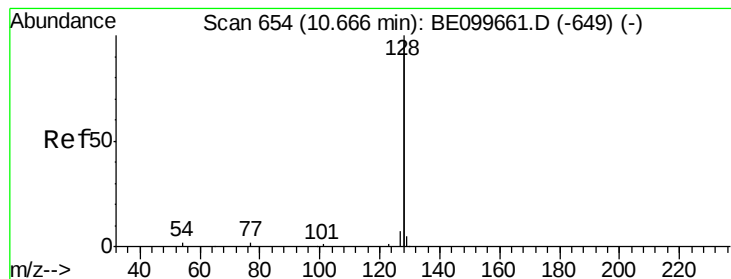


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.434 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099708.D

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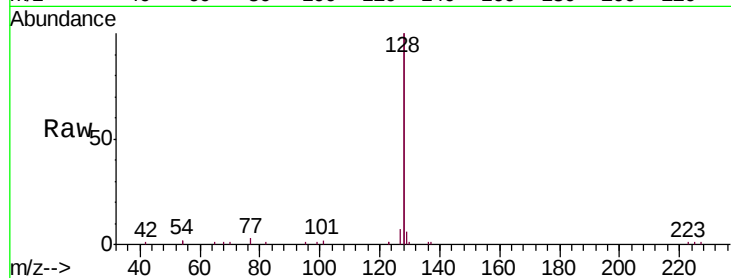
Tgt Ion:128 Resp: 27429

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

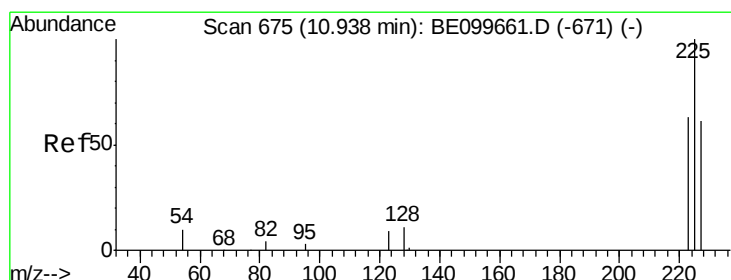
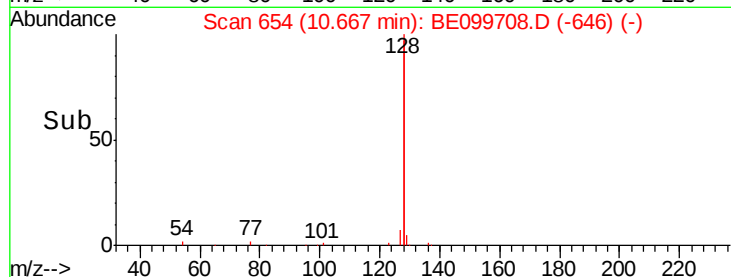
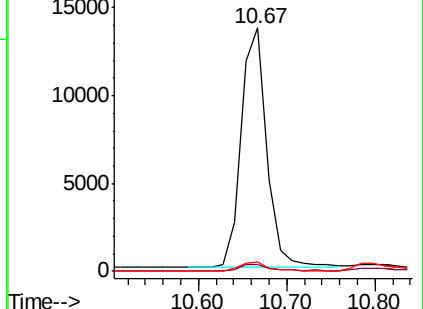
127 3.6 2.9 4.3



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: 0.428 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

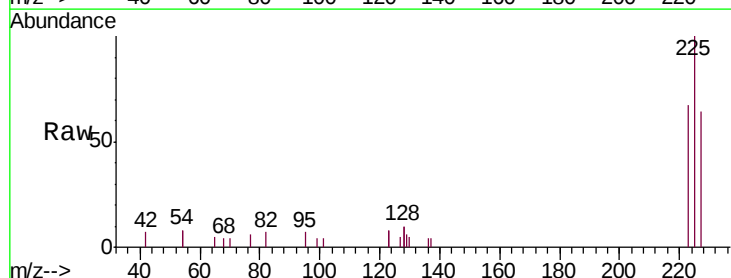
Tgt Ion:225 Resp: 1996

Ion Ratio Lower Upper

225 100

223 62.0 51.8 77.6

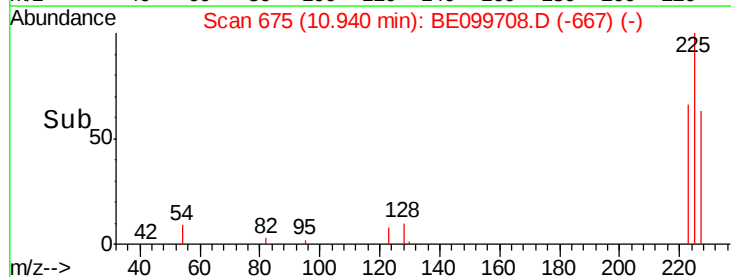
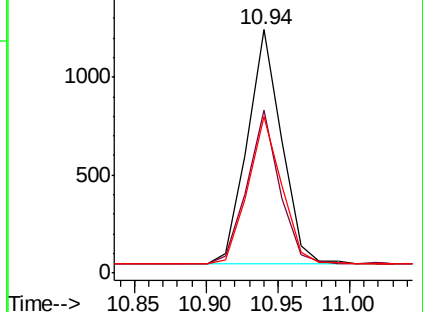
227 61.5 52.6 79.0

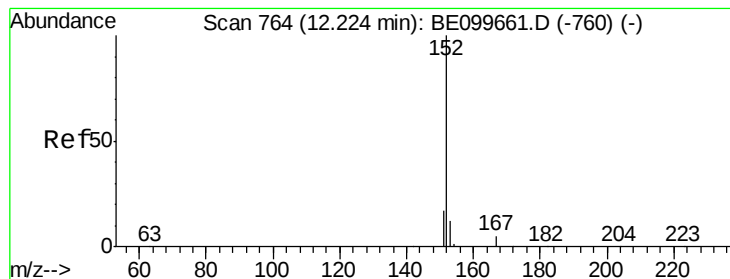


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.543 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

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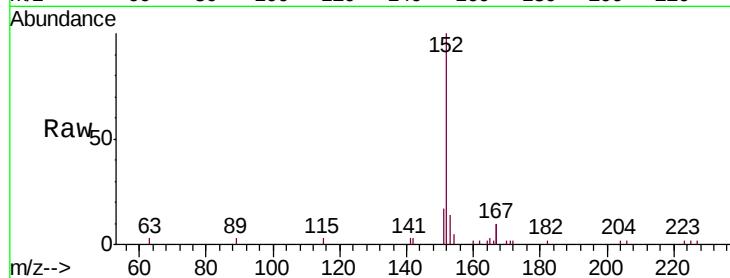
PB119877BS

Tgt Ion:152 Resp: 5547

Ion Ratio Lower Upper

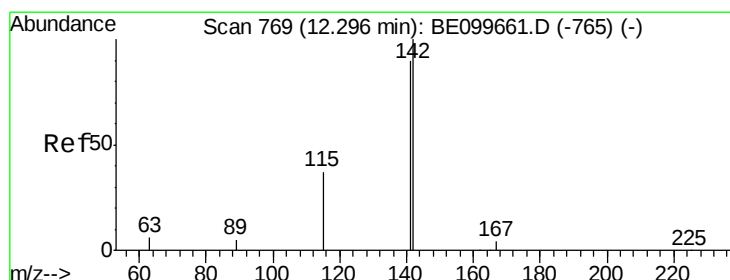
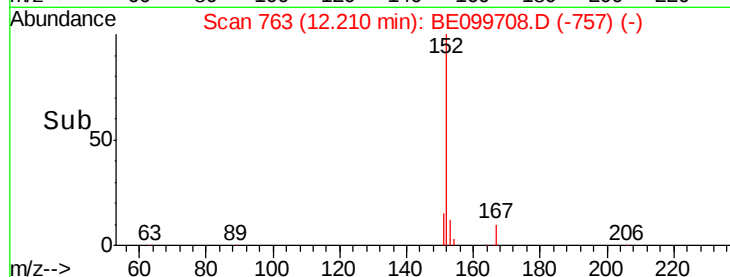
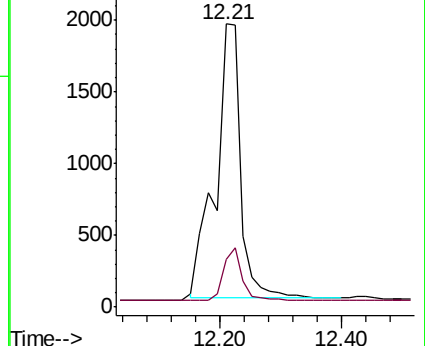
152 100

151 14.2 15.0 22.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.455 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

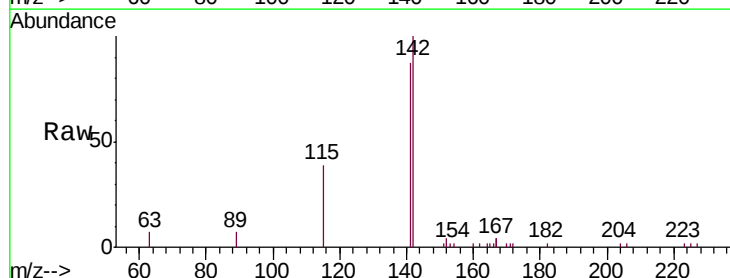
Tgt Ion:142 Resp: 4690

Ion Ratio Lower Upper

142 100

141 86.7 72.0 108.0

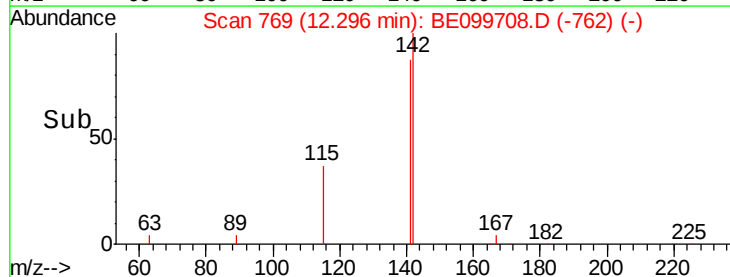
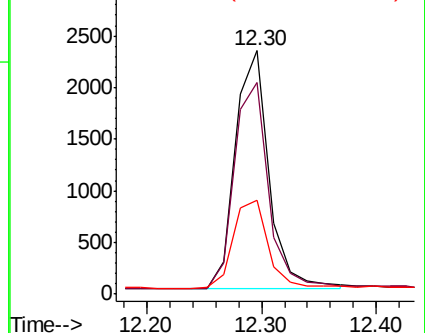
115 38.7 31.0 46.4

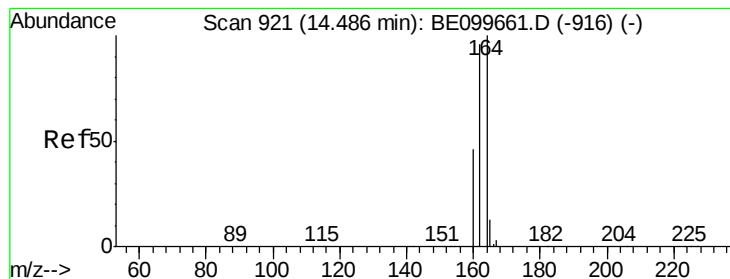


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

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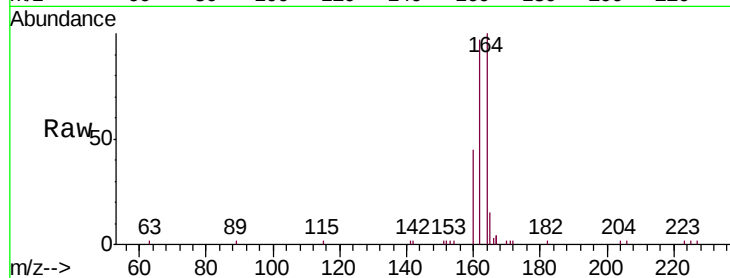
Tgt Ion:164 Resp: 4016

Ion Ratio Lower Upper

164 100

162 96.9 76.5 114.7

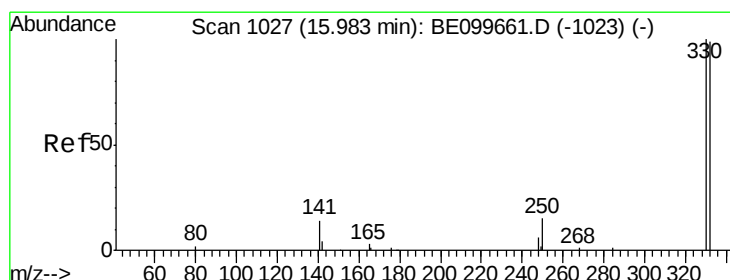
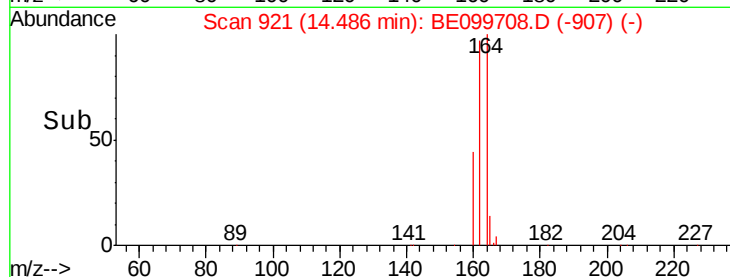
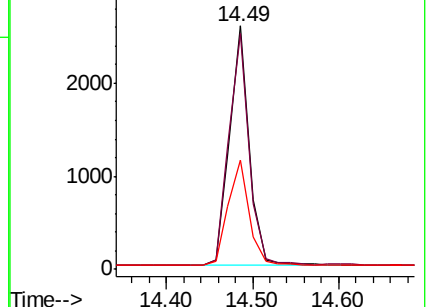
160 44.6 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.418 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

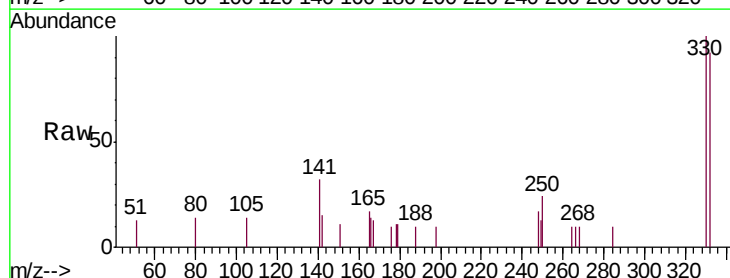
Tgt Ion:330 Resp: 880

Ion Ratio Lower Upper

330 100

332 92.6 77.3 115.9

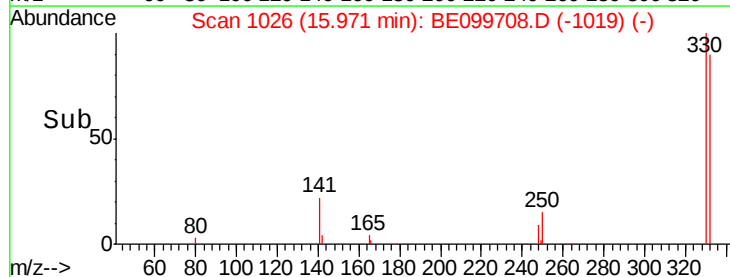
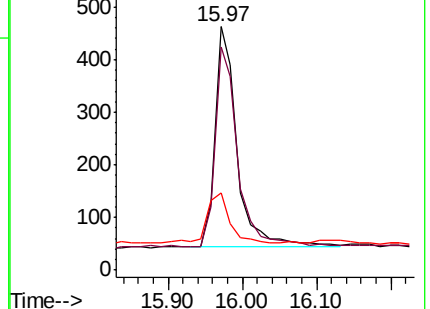
141 23.9 18.9 28.3



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: 0.417 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

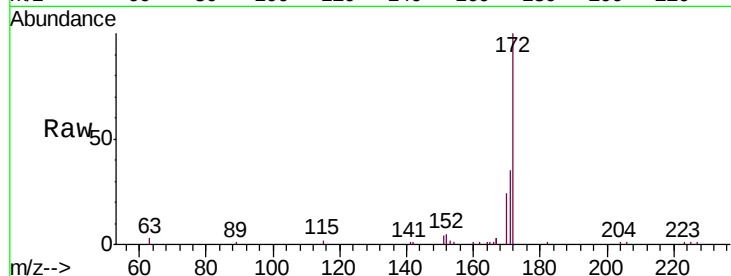
Tgt Ion:172 Resp: 6351

Ion Ratio Lower Upper

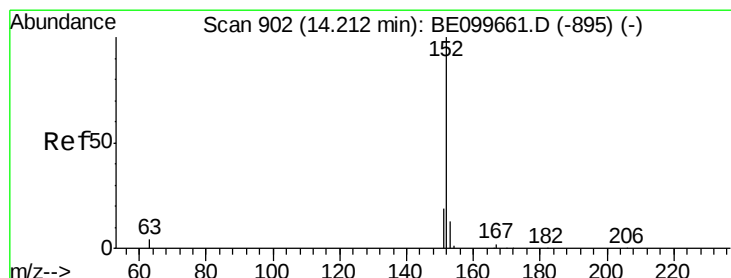
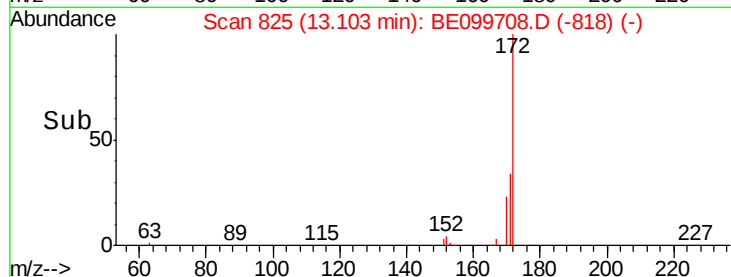
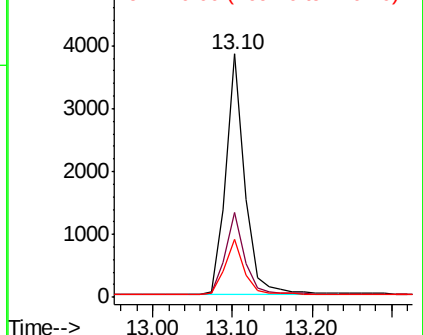
172 100

171 35.1 28.7 43.1

170 24.0 20.9 31.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.430 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

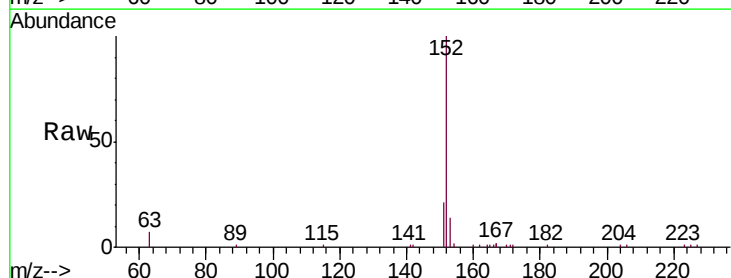
Tgt Ion:152 Resp: 8054

Ion Ratio Lower Upper

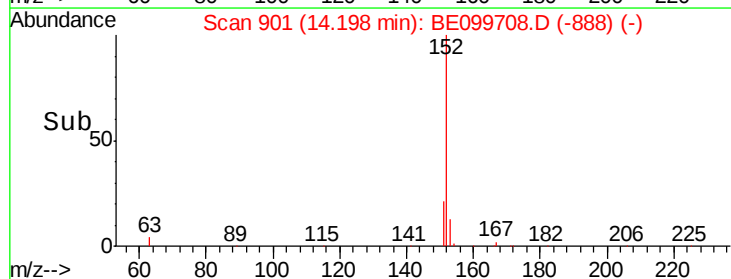
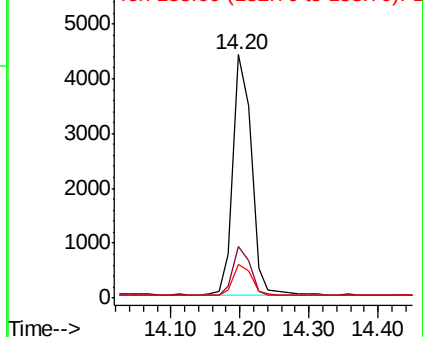
152 100

151 19.8 15.9 23.9

153 13.6 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

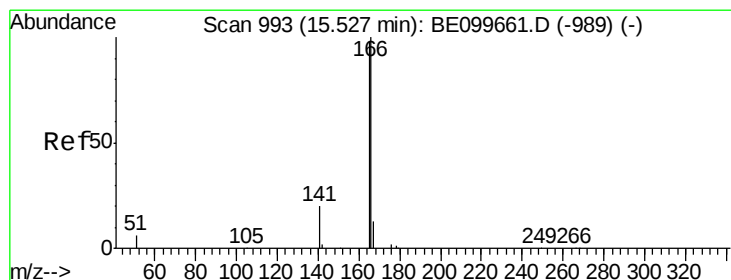
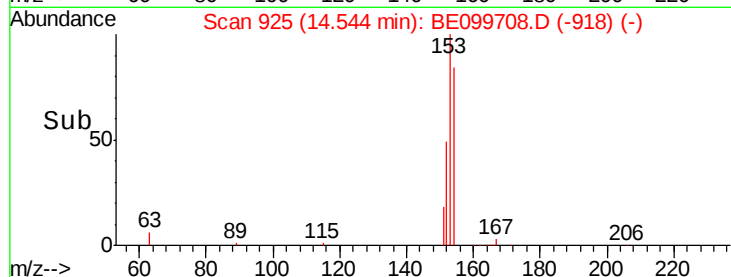
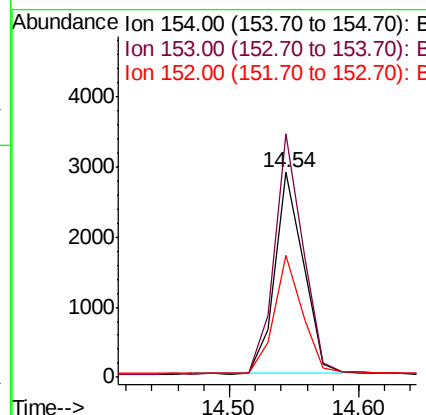
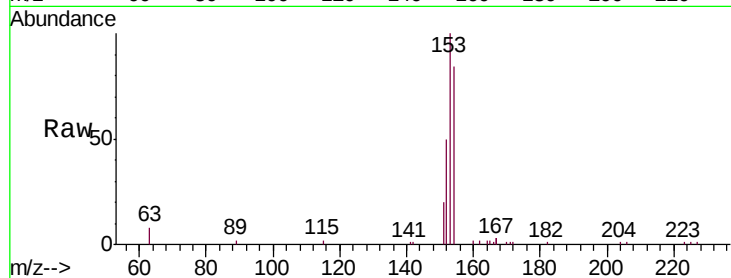




#17
Acenaphthene
Concen: 0.422 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099708.D
Acq: 22 May 2019 2:35

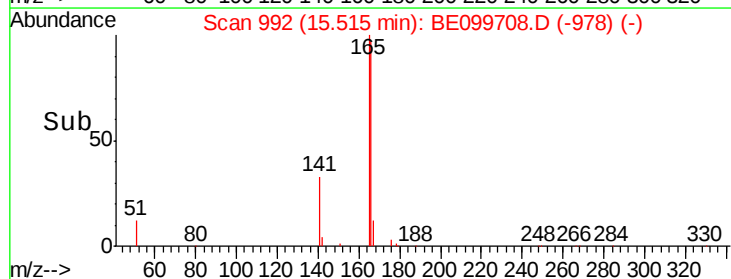
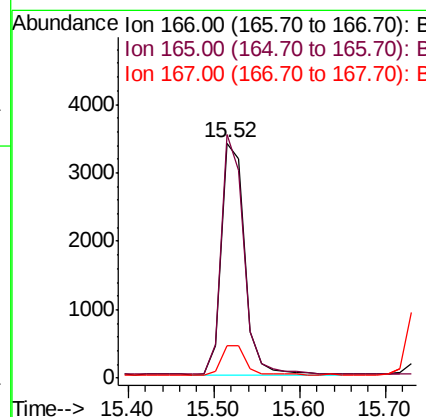
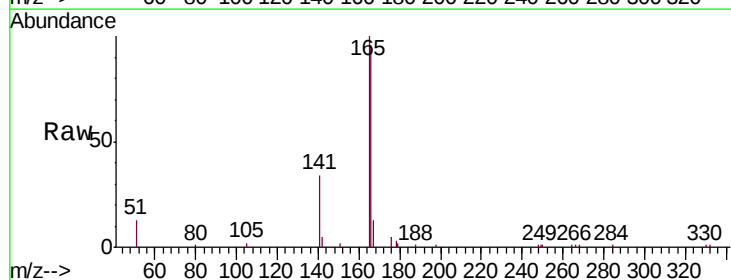
Instrument :
BNA_E
ClientSampleId :
PB119877BS

Tgt Ion:154 Resp: 4435
Ion Ratio Lower Upper
154 100
153 118.9 91.8 137.6
152 58.3 46.0 69.0



#18
Fluorene
Concen: 0.413 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099708.D
Acq: 22 May 2019 2:35

Tgt Ion:166 Resp: 6394
Ion Ratio Lower Upper
166 100
165 100.0 80.3 120.5
167 13.4 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

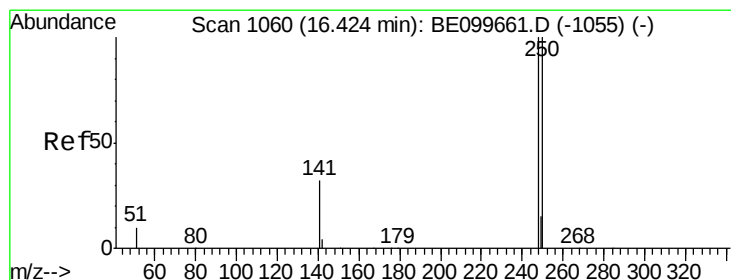
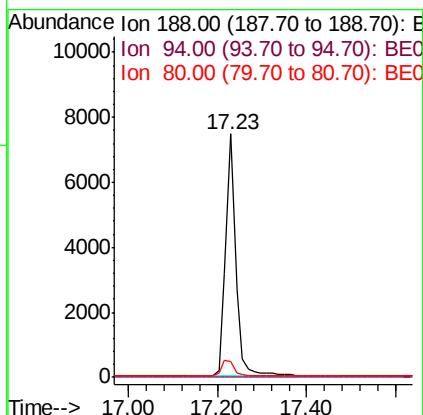
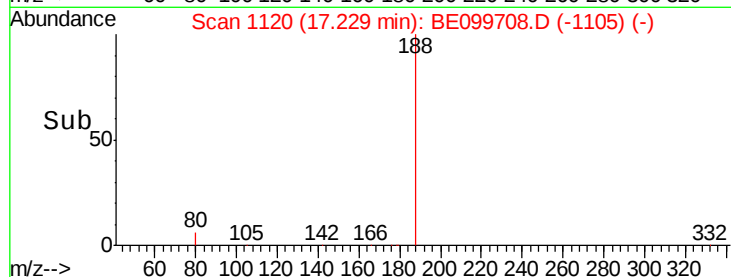
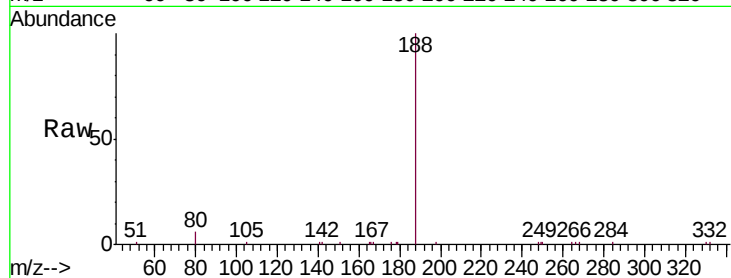
Tgt Ion:188 Resp: 11885

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.4 6.7 10.1#



#20

4-Bromophenyl-phenylether

Concen: 0.419 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

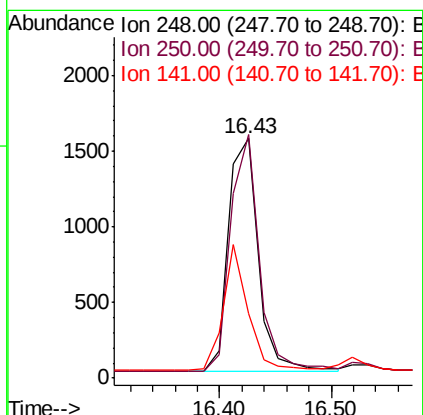
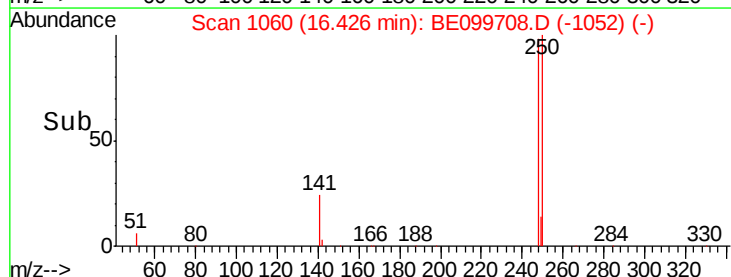
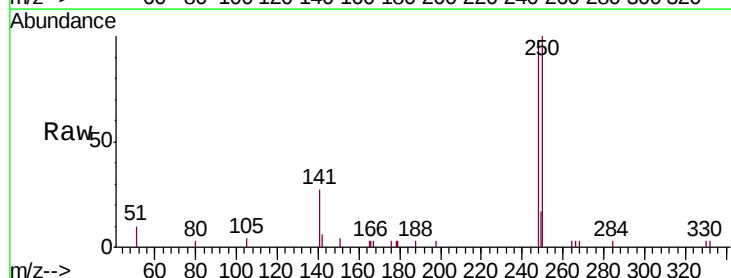
Tgt Ion:248 Resp: 2874

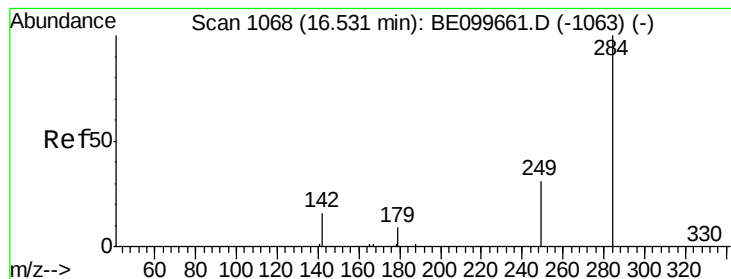
Ion Ratio Lower Upper

248 100

250 101.7 79.8 119.8

141 27.2 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.424 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

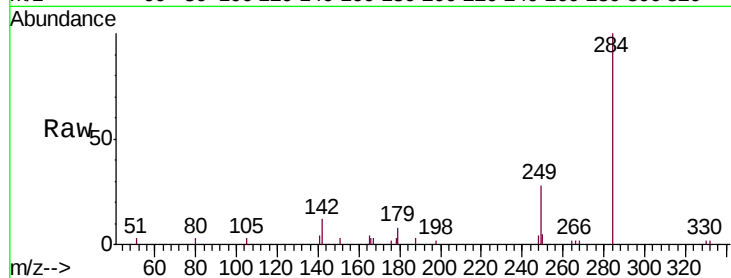
Tgt Ion:284 Resp: 2972

Ion Ratio Lower Upper

284 100

142 23.3 17.8 26.6

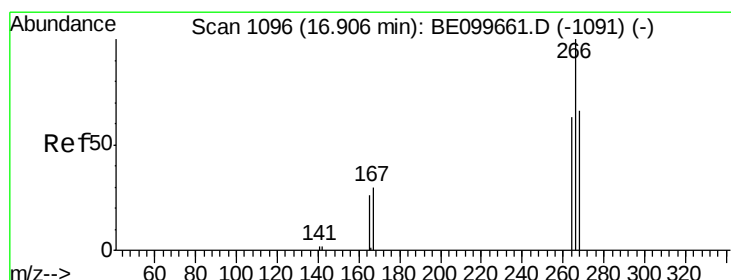
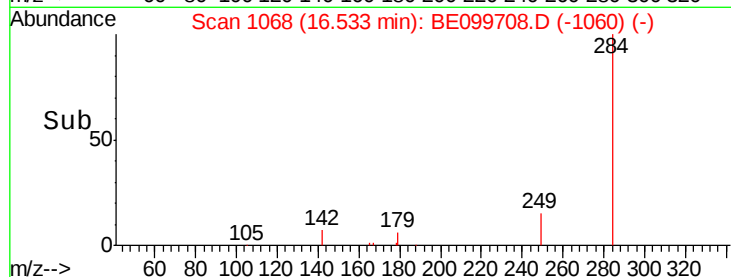
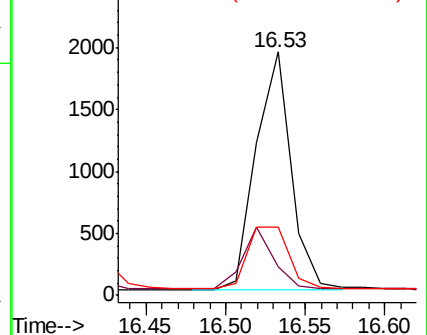
249 30.6 24.8 37.2



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: 0.907 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

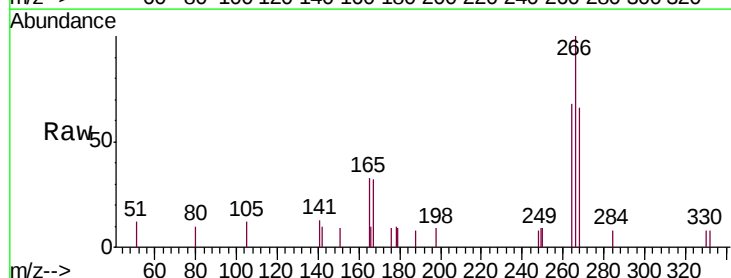
Tgt Ion:266 Resp: 1677

Ion Ratio Lower Upper

266 100

264 68.1 57.2 85.8

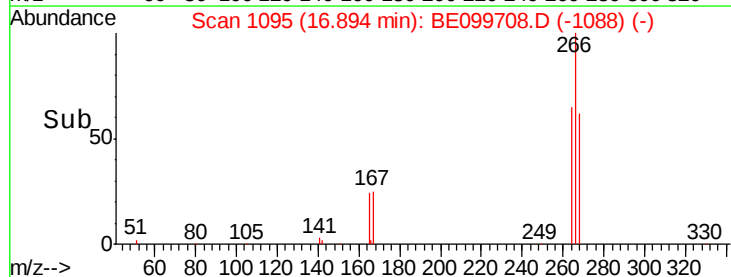
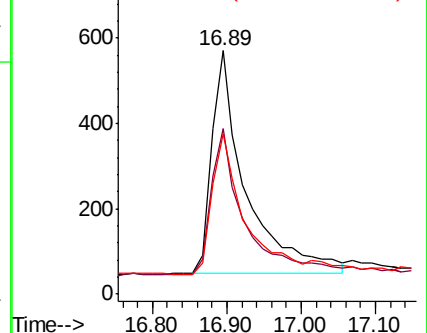
268 65.7 60.5 90.7

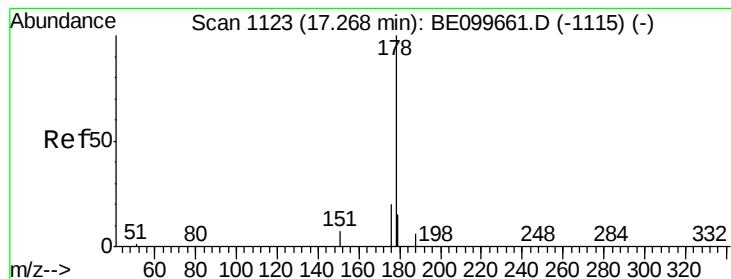


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.420 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

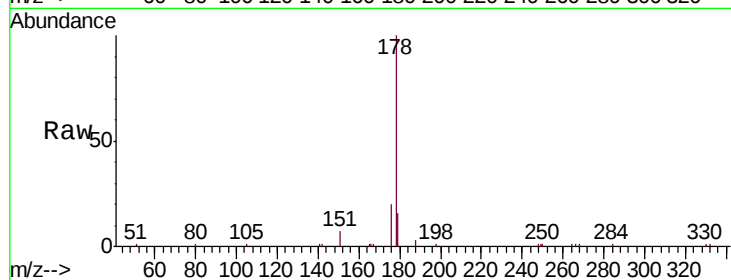
Tgt Ion:178 Resp: 12185

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

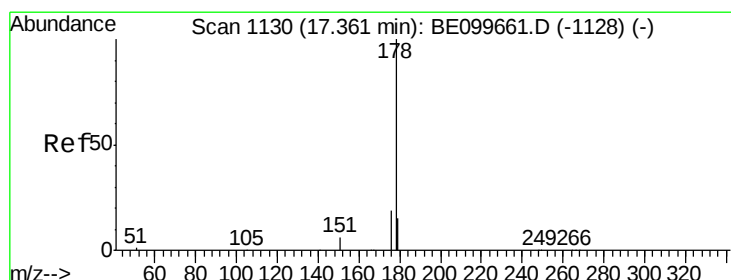
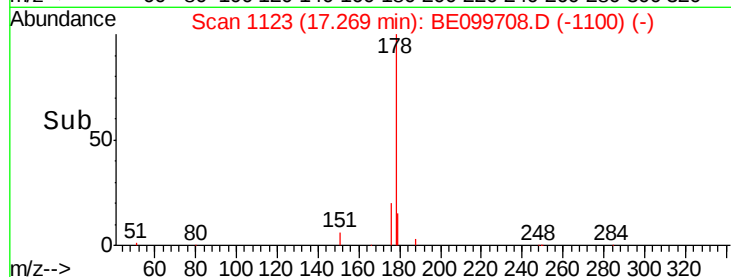
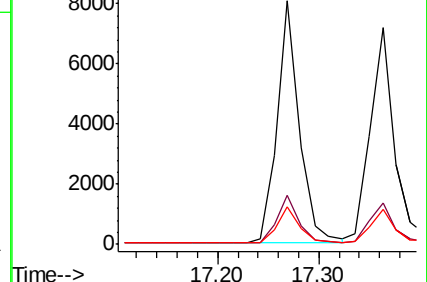
179 15.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.434 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

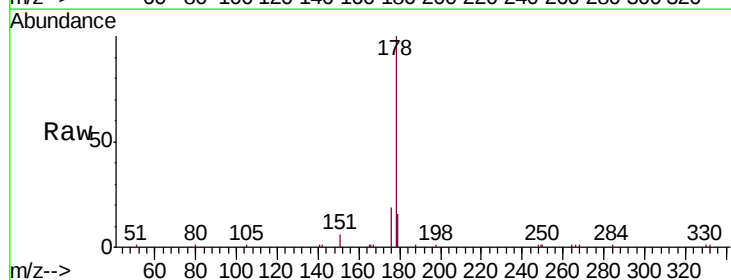
Tgt Ion:178 Resp: 11422

Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

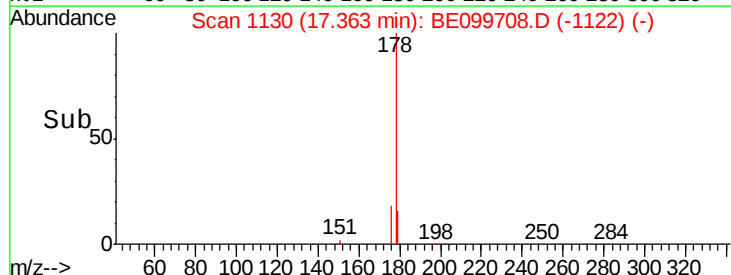
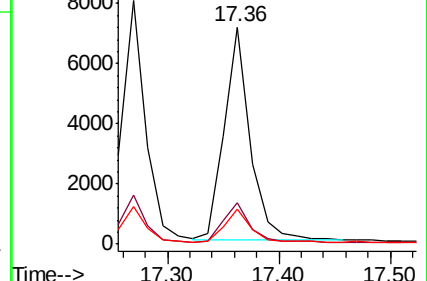
179 15.8 12.0 18.0



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: 0.403 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

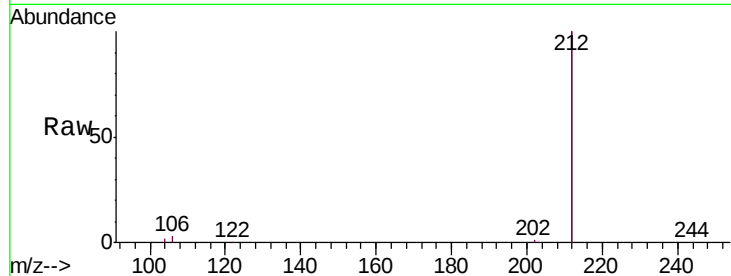
Tgt Ion:212 Resp: 65483

Ion Ratio Lower Upper

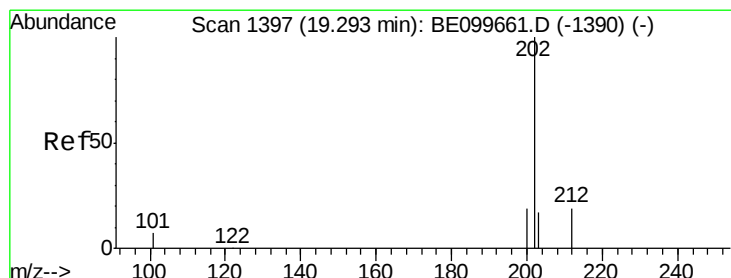
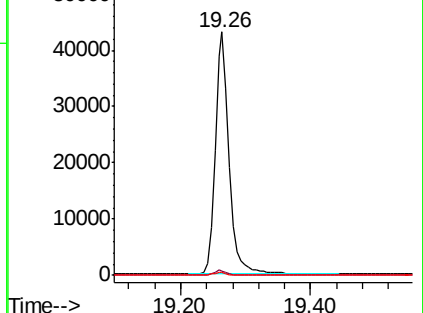
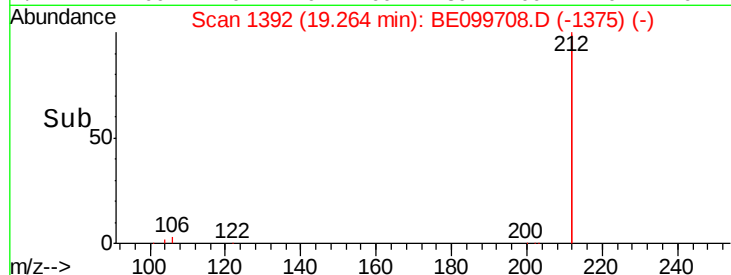
212 100

106 1.9 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: 0.420 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

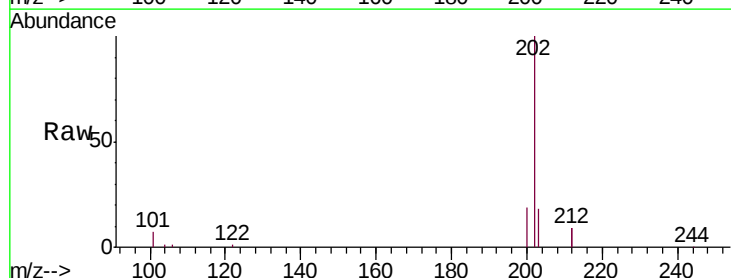
Tgt Ion:202 Resp: 19304

Ion Ratio Lower Upper

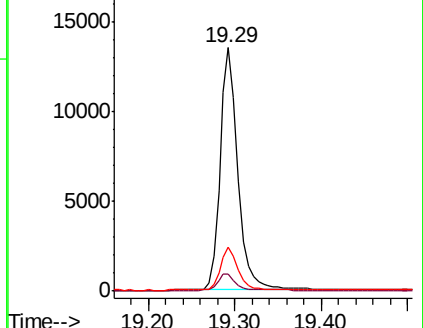
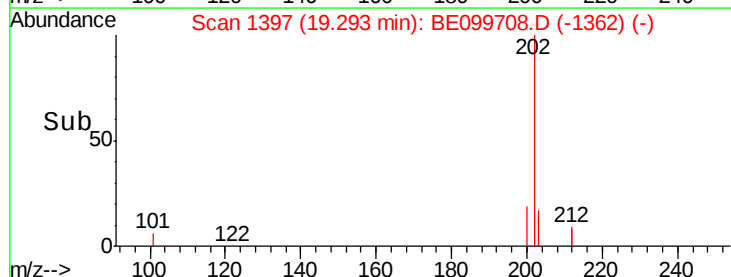
202 100

101 6.8 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

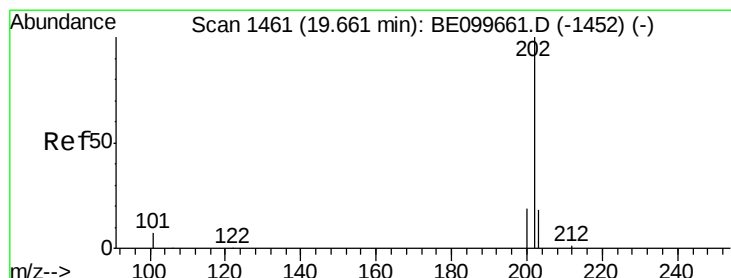
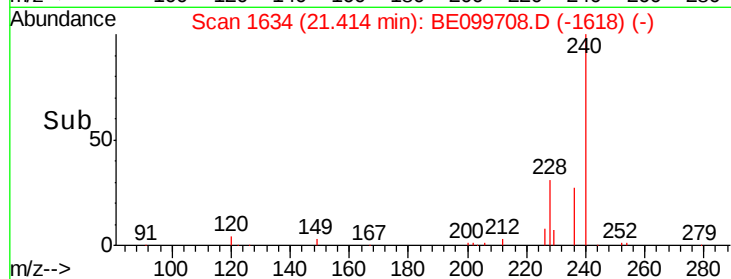
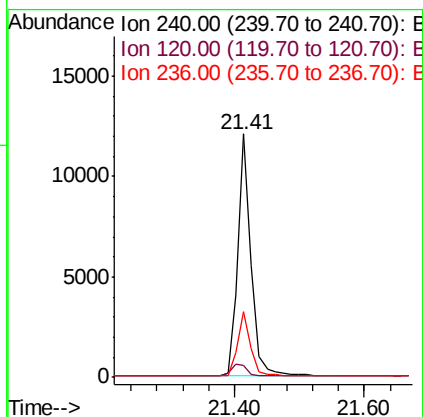
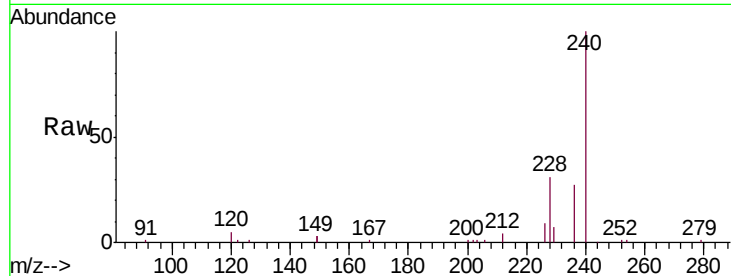




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099708.D
 Acq: 22 May 2019 2:35

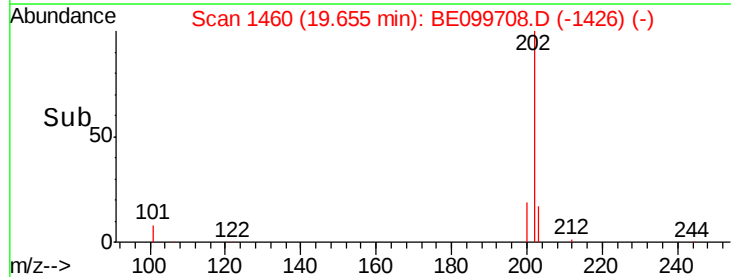
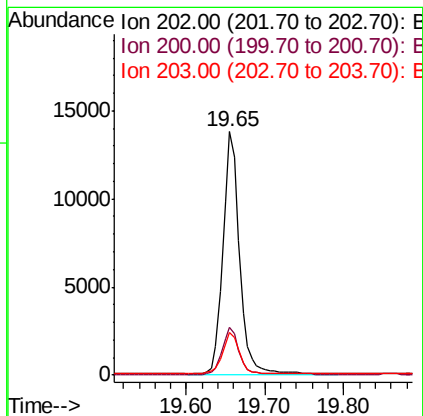
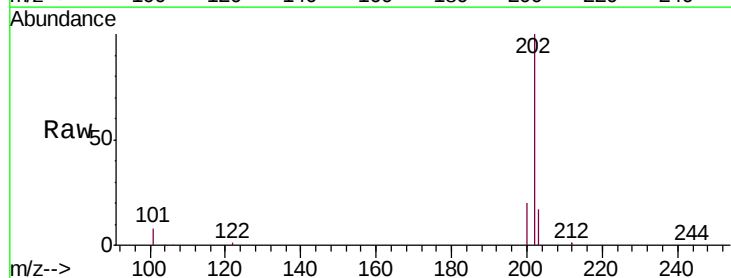
Instrument :
 BNA_E
 ClientSampleId :
 PB119877BS

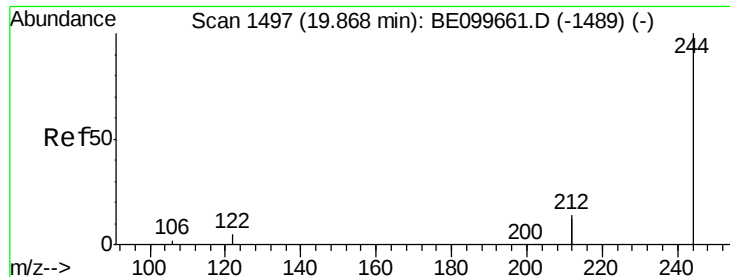
Tgt Ion:240 Resp: 17266
 Ion Ratio Lower Upper
 240 100
 120 4.7 5.4 8.0#
 236 26.9 21.7 32.5



#28
 Pyrene
 Concen: 0.462 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099708.D
 Acq: 22 May 2019 2:35

Tgt Ion:202 Resp: 20058
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.4 23.2
 203 17.9 13.8 20.8





#29

Terphenyl-d14

Concen: 0.461 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

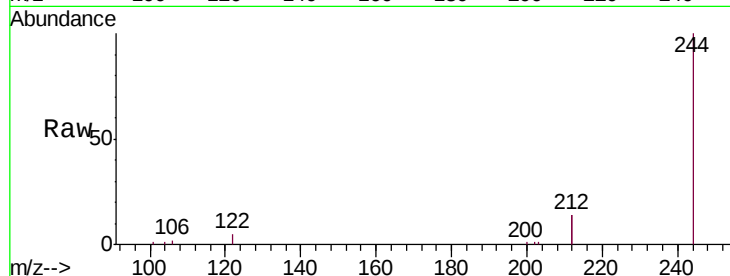
Tgt Ion:244 Resp: 14202

Ion Ratio Lower Upper

244 100

212 28.5 22.5 33.7

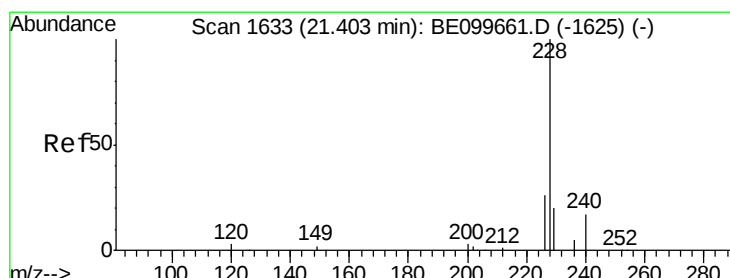
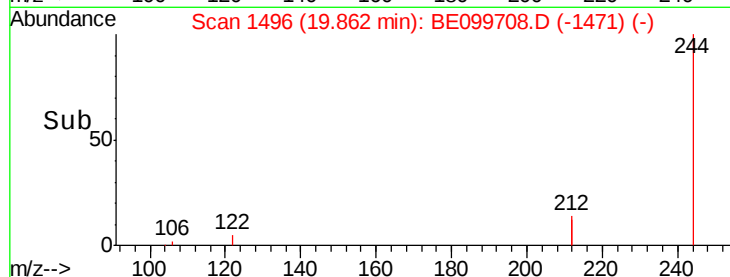
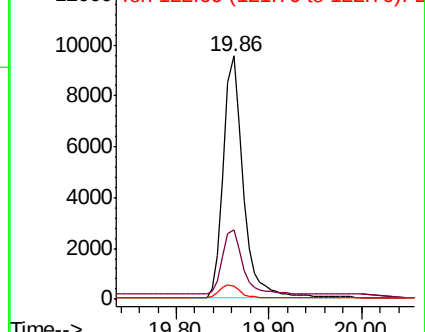
122 5.3 4.3 6.5



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: 0.496 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

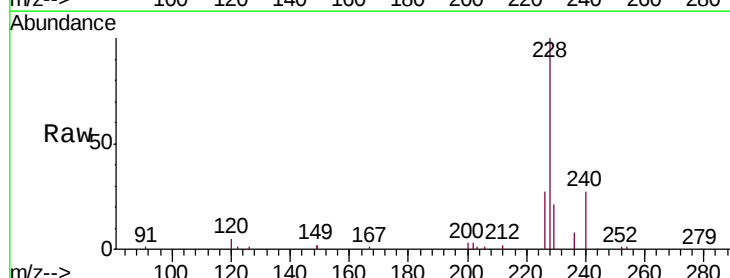
Tgt Ion:228 Resp: 24331

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

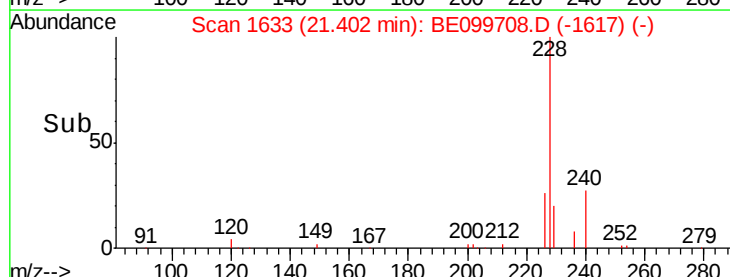
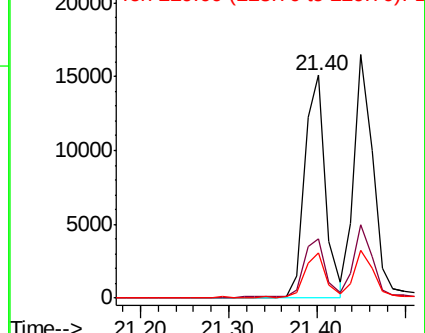
229 20.5 16.1 24.1

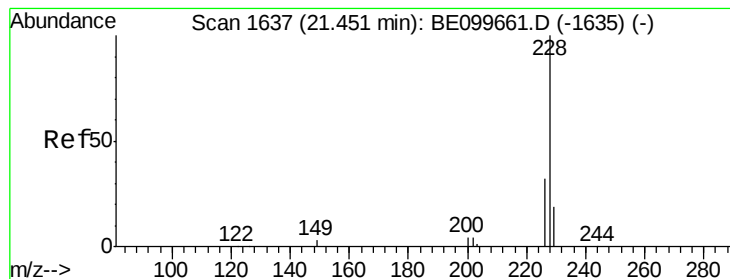


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.469 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

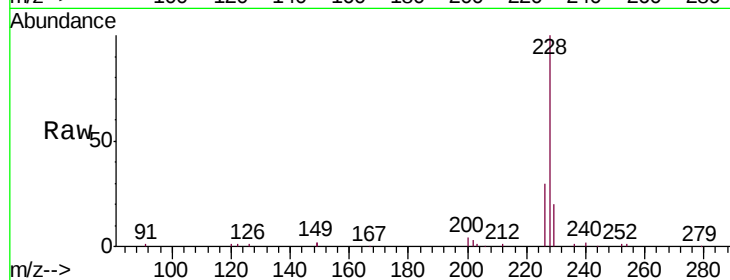
Tgt Ion:228 Resp: 24619

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

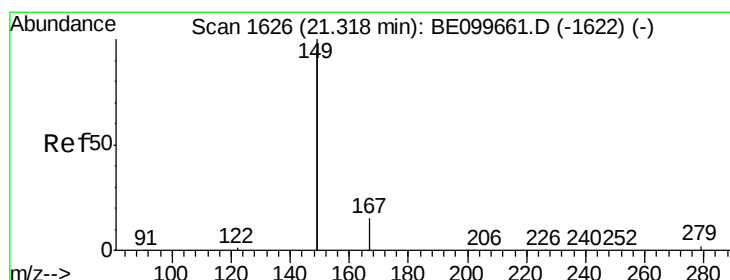
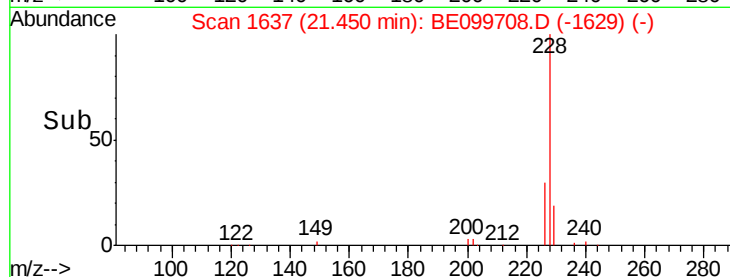
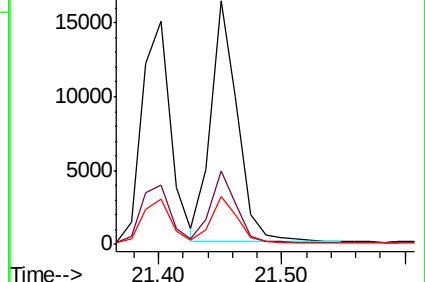
229 19.6 15.8 23.6



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: 0.545 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

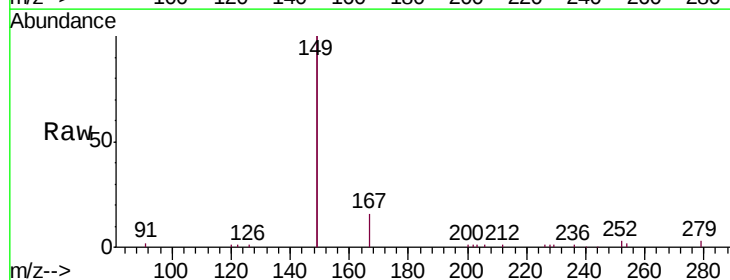
Tgt Ion:149 Resp: 30830

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

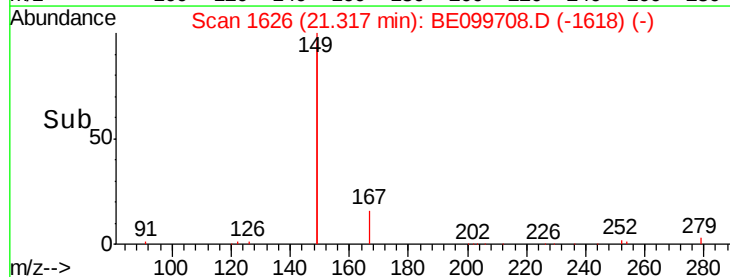
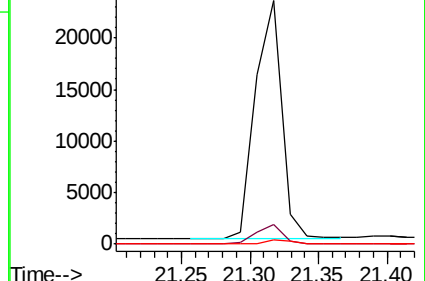
279 1.6 1.2 1.8

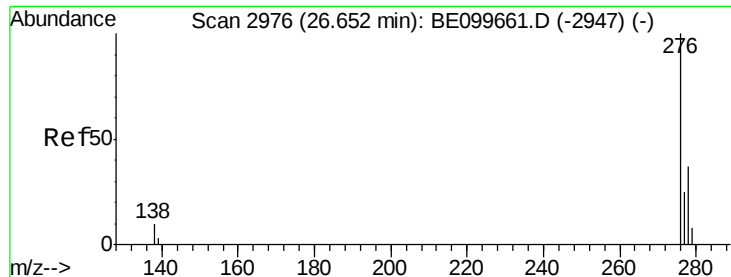


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.452 ng

RT: 26.65 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

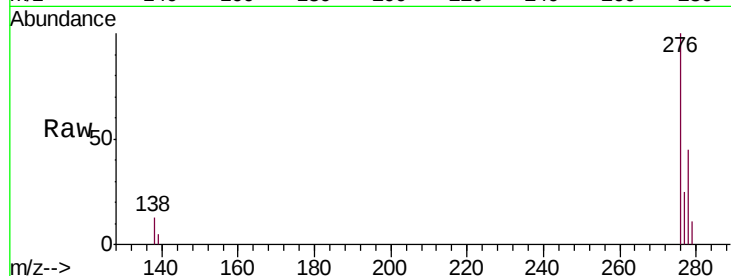
Tgt Ion:276 Resp: 28623

Ion Ratio Lower Upper

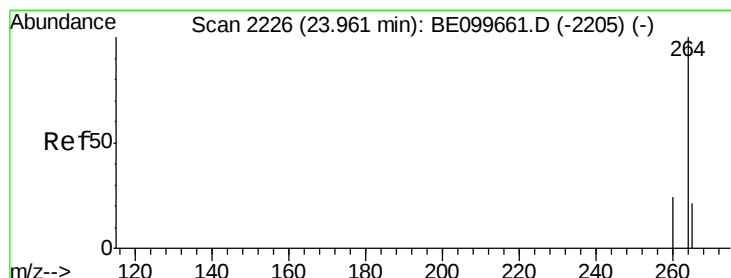
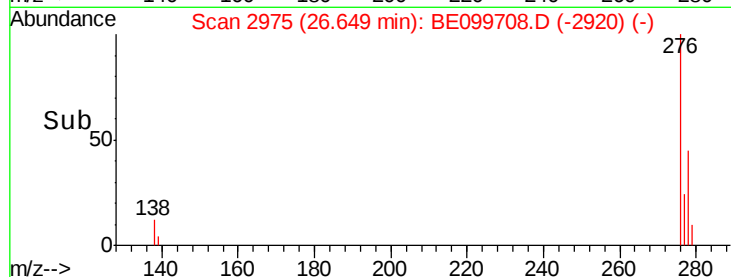
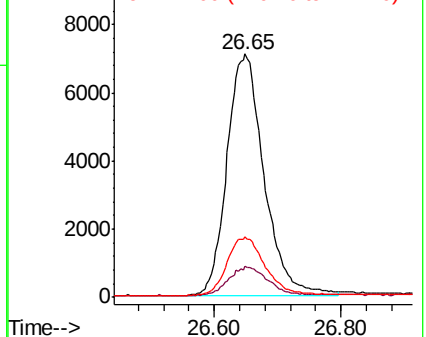
276 100

138 12.4 9.6 14.4

277 24.7 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# 2224

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

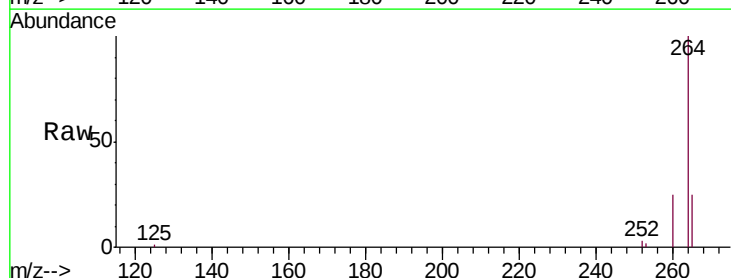
Tgt Ion:264 Resp: 19921

Ion Ratio Lower Upper

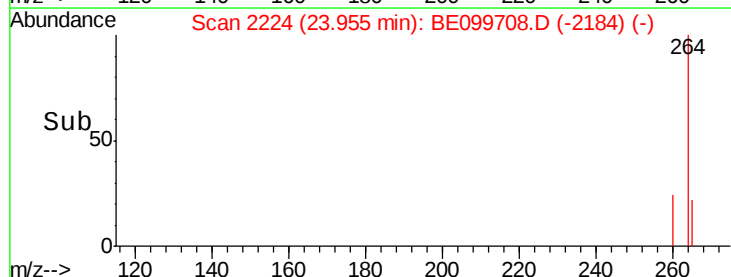
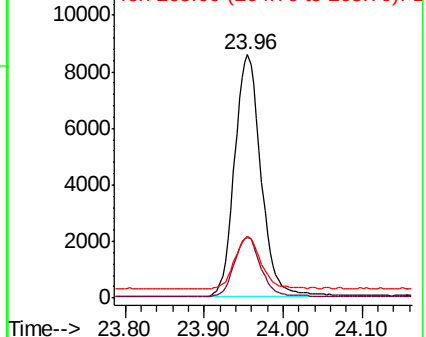
264 100

260 24.8 19.6 29.4

265 25.4 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

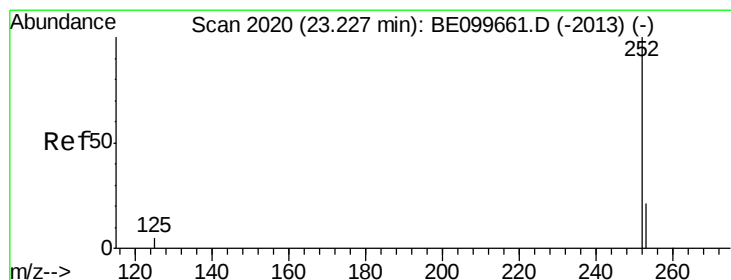
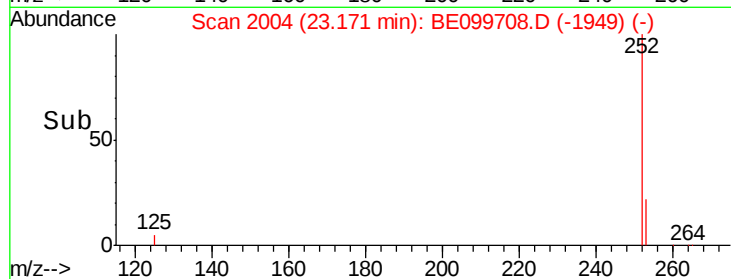
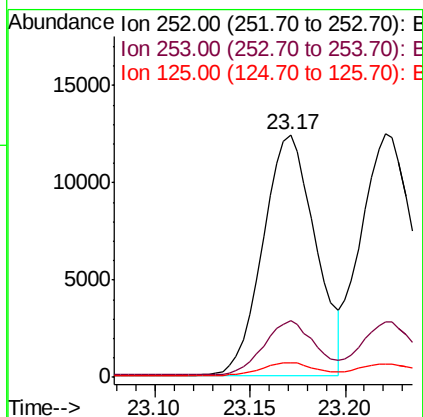
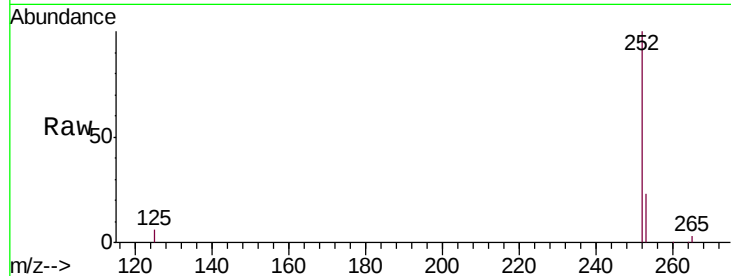




#35
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099708.D
Acq: 22 May 2019 2:35

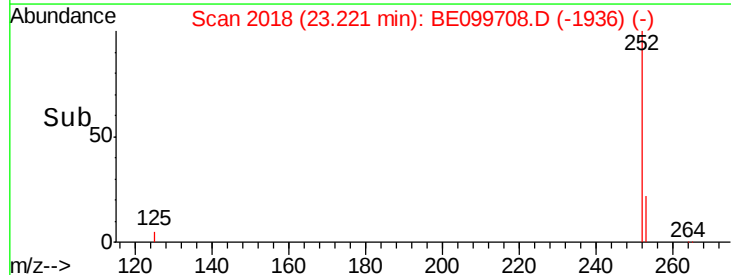
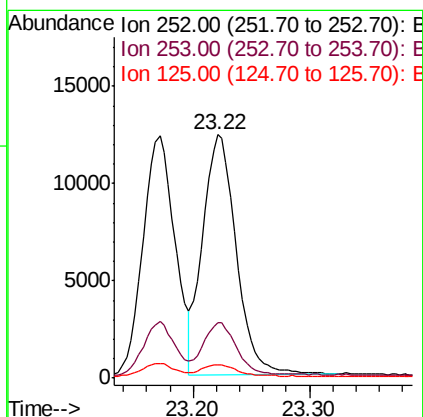
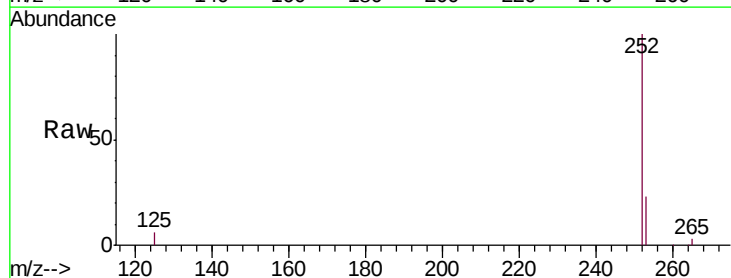
Instrument :
BNA_E
ClientSampleId :
PB119877BS

Tgt Ion:252 Resp: 23740
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 6.1 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 0.436 ng
RT: 23.22 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BE099708.D
Acq: 22 May 2019 2:35

Tgt Ion:252 Resp: 24814
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 5.6 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.448 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

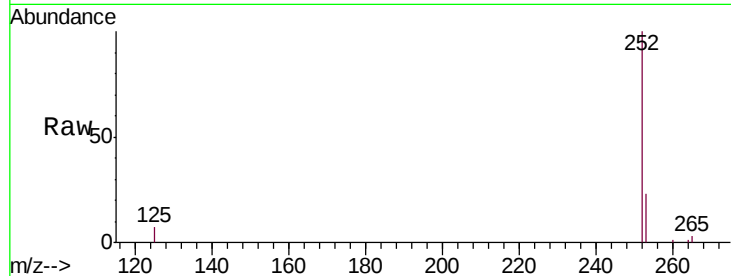
Tgt Ion:252 Resp: 23552

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

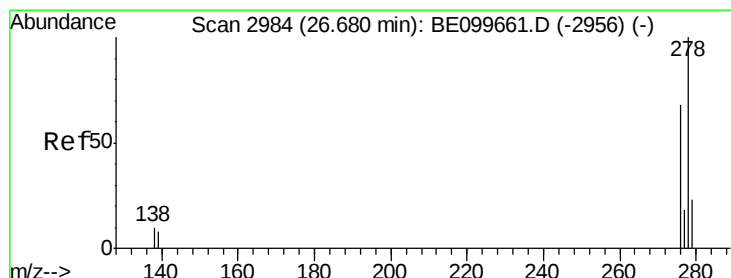
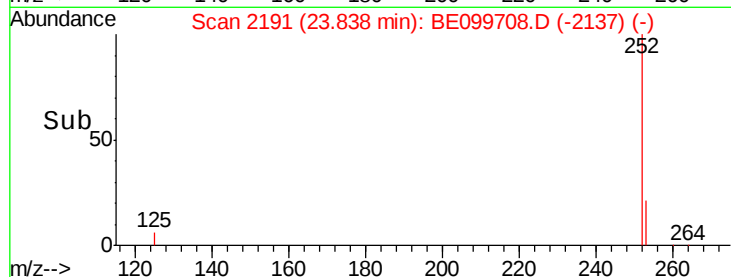
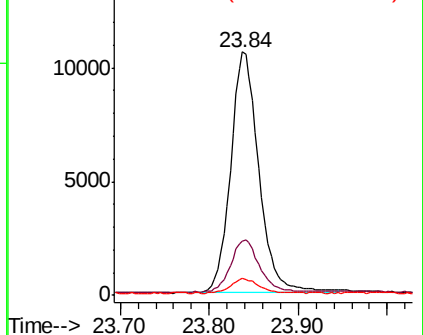
125 6.8 5.4 8.0



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: 0.430 ng

RT: 26.67 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

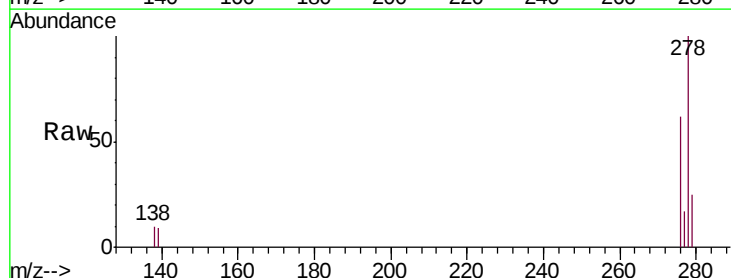
Tgt Ion:278 Resp: 23703

Ion Ratio Lower Upper

278 100

139 9.1 6.9 10.3

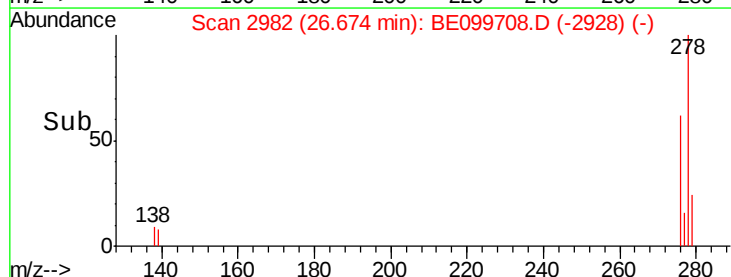
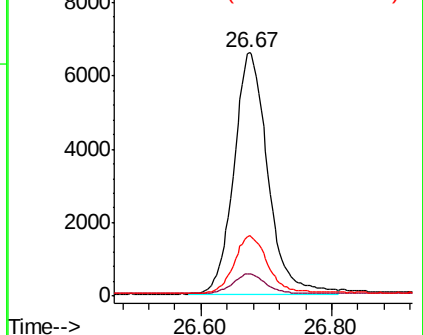
279 24.6 19.2 28.8

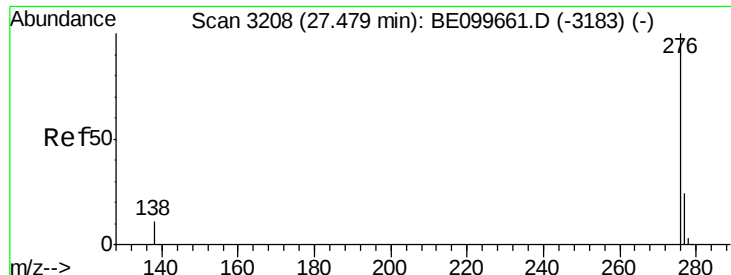


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.435 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099708.D

Acq: 22 May 2019 2:35

Instrument :

BNA_E

ClientSampleId :

PB119877BS

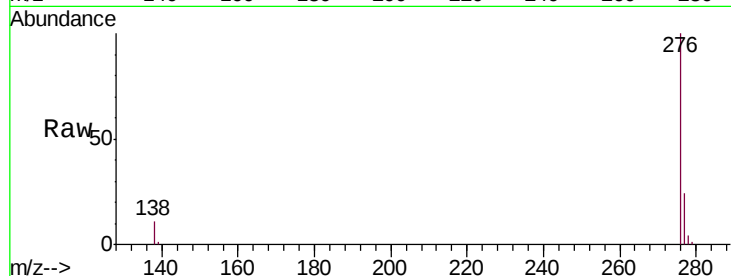
Tgt Ion: 276 Resp: 24246

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.4 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

