

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\
 Data File : BE099609.D
 Acq On : 14 May 2019 17:44
 Operator : JU/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 14 19:12:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1543	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5215	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3432	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9394	0.40	ng	0.00
27) Chrysene-d12	21.42	240	14945	0.40	ng	0.00
34) Perylene-d12	23.96	264	16675	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	6846	1.62	ng	0.00
5) Phenol-d6	6.98	99	8823	1.59	ng	0.00
8) Nitrobenzene-d5	8.98	82	8300	1.70	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	14317	1.64	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	3788	1.86	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	21431	1.61	ng	0.00
25) Fluoranthene-d10	19.27	212	203238	1.65	ng	0.00
29) Terphenyl-d14	19.86	244	42202	1.59	ng	0.00

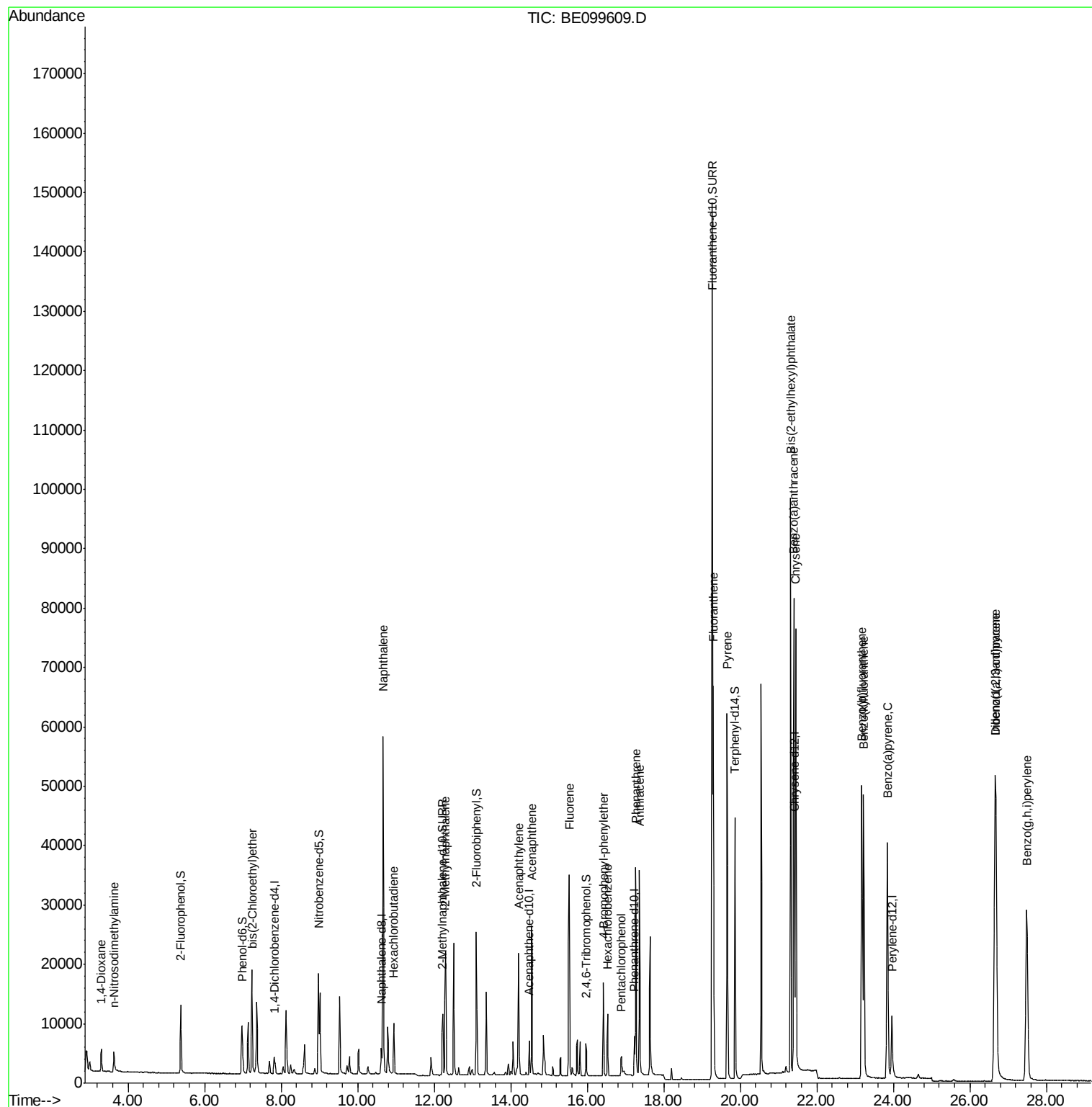
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	3400	1.563	ng	91
3) n-Nitrosodimethylamine	3.62	42	2268	1.684	ng	# 98
6) bis(2-Chloroethyl)ether	7.24	93	7427	1.612	ng	94
9) Naphthalene	10.67	128	89924	1.618	ng	99
10) Hexachlorobutadiene	10.94	225	6386	1.592	ng	99
12) 2-Methylnaphthalene	12.29	142	14889	1.640	ng	100
16) Acenaphthylene	14.21	152	26771	1.611	ng	100
17) Acenaphthene	14.54	154	14617	1.576	ng	100
18) Fluorene	15.53	166	21185	1.600	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	8874	1.656	ng	98
21) Hexachlorobenzene	16.53	284	8899	1.654	ng	98
22) Pentachlorophenol	16.89	266	3367	1.565	ng	94
23) Phenanthrene	17.27	178	37886	1.625	ng	100
24) Anthracene	17.36	178	36346	1.660	ng	99
26) Fluoranthene	19.29	202	57828	1.648	ng	99
28) Pyrene	19.66	202	59472	1.510	ng	100
30) Benzo(a)anthracene	21.40	228	72577	1.590	ng	99
31) Chrysene	21.45	228	73634	1.614	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	101816	1.552	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	93806	1.648	ng	99
35) Benzo(b)fluoranthene	23.17	252	75480	1.639	ng	# 94
36) Benzo(k)fluoranthene	23.22	252	74040	1.617	ng	97
37) Benzo(a)pyrene	23.84	252	72260	1.619	ng	# 94
38) Dibenzo(a,h)anthracene	26.68	278	76963	1.650	ng	98
39) Benzo(g,h,i)perylene	27.49	276	77486	1.641	ng	99

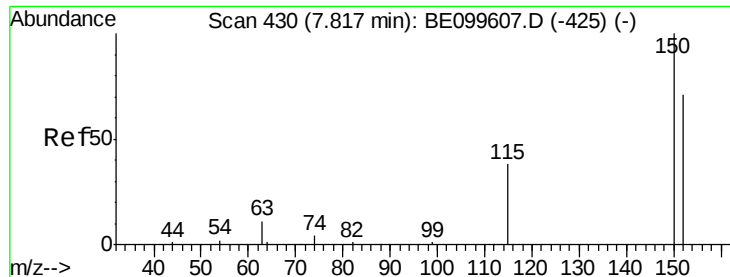
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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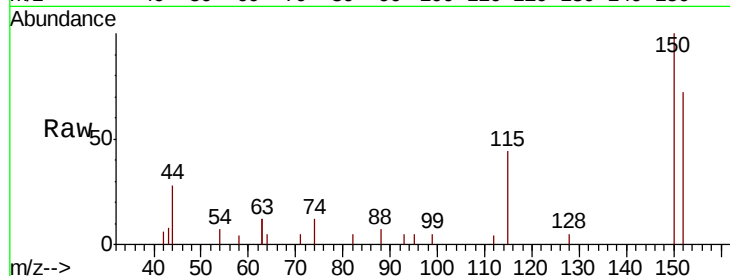


#1

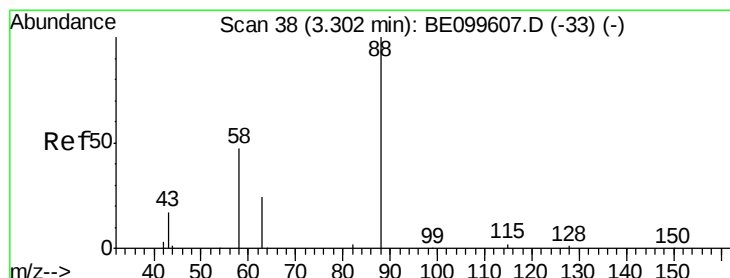
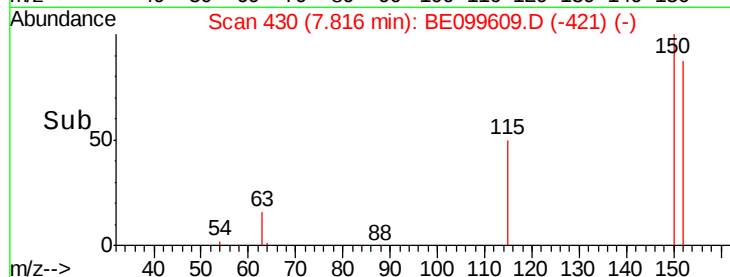
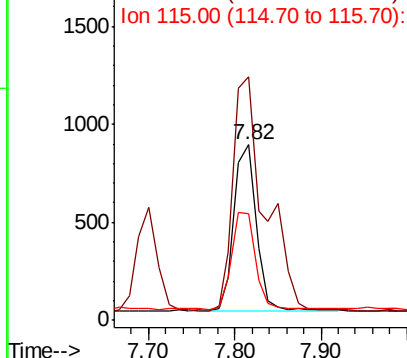
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1543
Ion Ratio Lower Upper
152 100
150 138.9 110.1 165.1
115 61.1 46.2 69.4



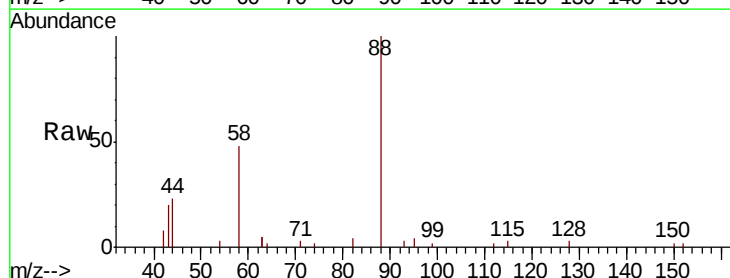
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



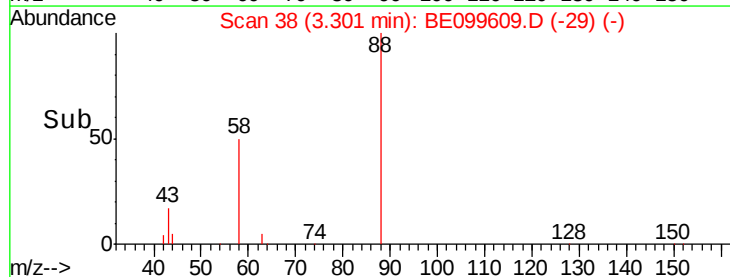
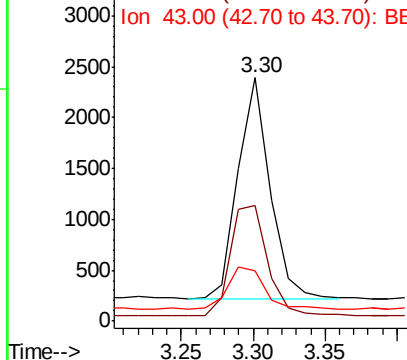
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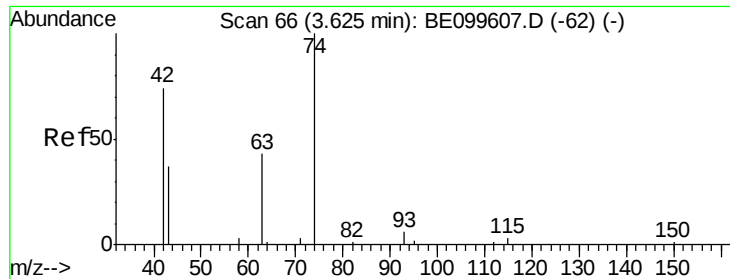
1,4-Dioxane
Concen: 1.563 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion: 88 Resp: 3400
Ion Ratio Lower Upper
88 100
58 57.1 39.8 59.6
43 22.8 21.0 31.6



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



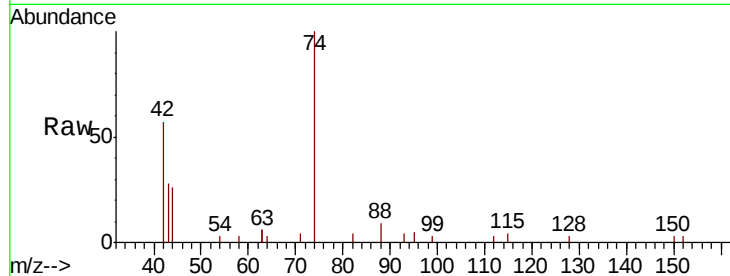


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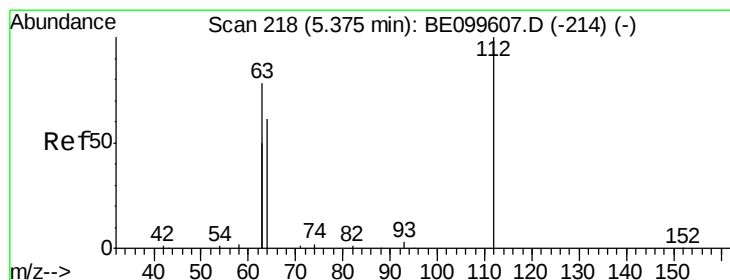
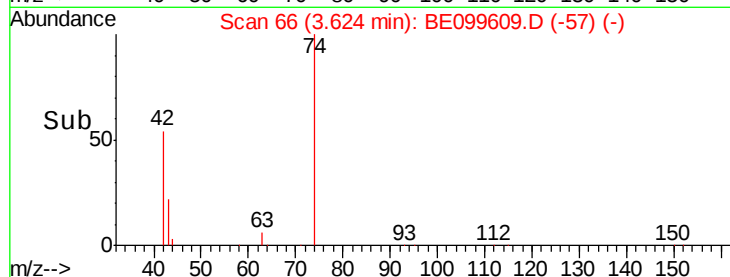
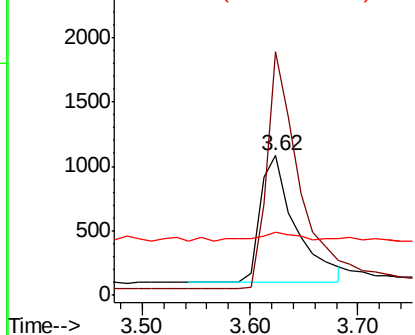
n-Nitrosodimethylamine
 Concen: 1.684 ng
 RT: 3.62 min Scan# 66
 Delta R.T. -0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 2268
 Ion Ratio Lower Upper
 42 100
 74 169.0 134.7 202.1
 44 8.8 12.5 18.7#



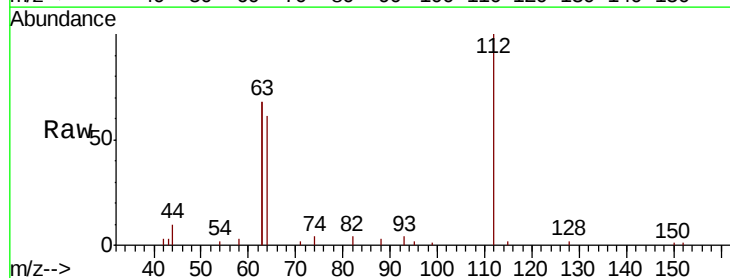
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



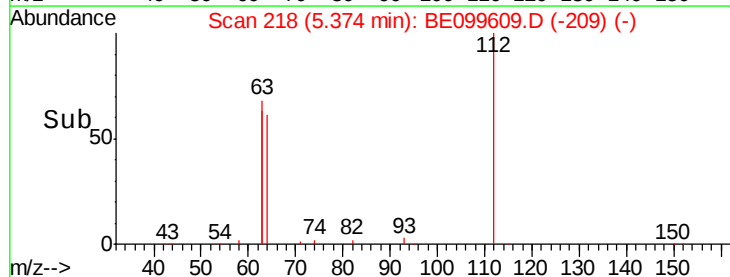
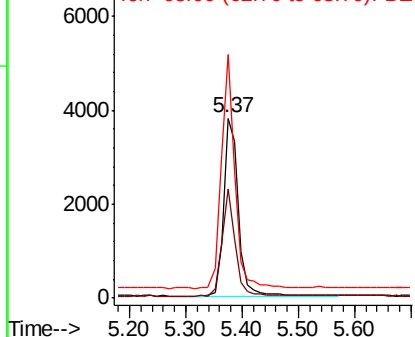
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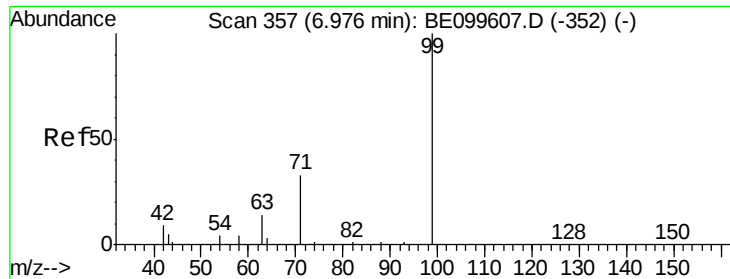
2-Fluorophenol
 Concen: 1.622 ng
 RT: 5.37 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

Tgt Ion: 112 Resp: 6846
 Ion Ratio Lower Upper
 112 100
 64 54.1 43.7 65.5
 63 121.2 94.0 141.0



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: 1.591 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

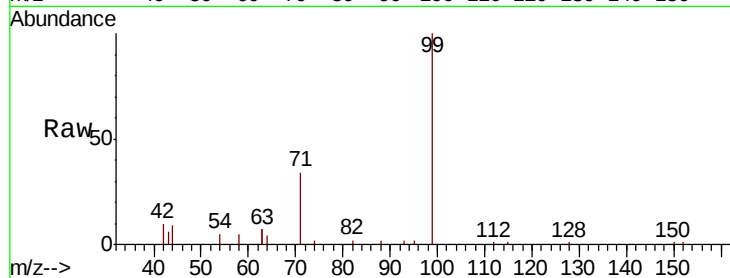
Tot Ion: 99 Resp: 8823

Ion Ratio Lower Upper

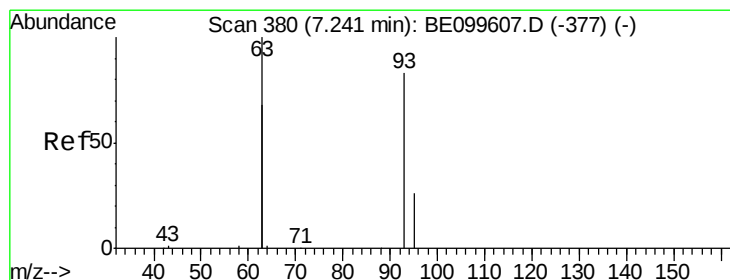
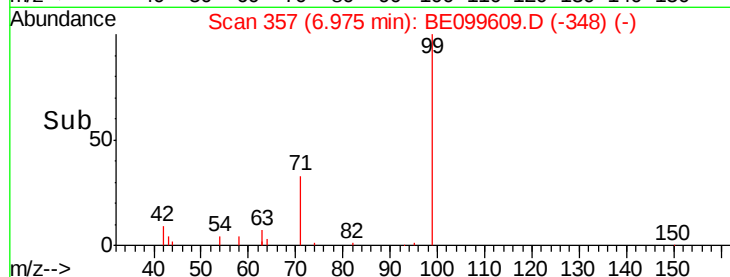
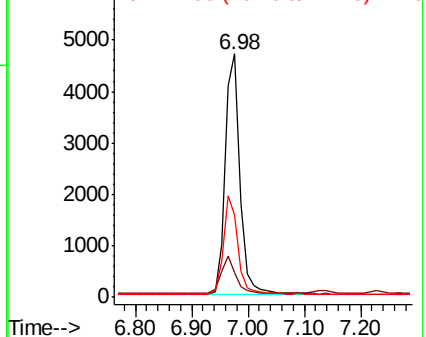
99 100

42 15.5 14.3 21.5

71 39.0 33.1 49.7



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: 1.612 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

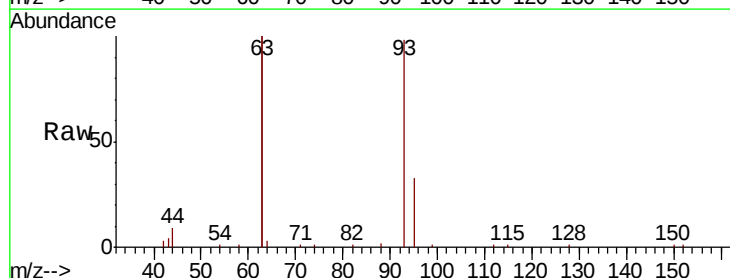
Tgt Ion: 93 Resp: 7427

Ion Ratio Lower Upper

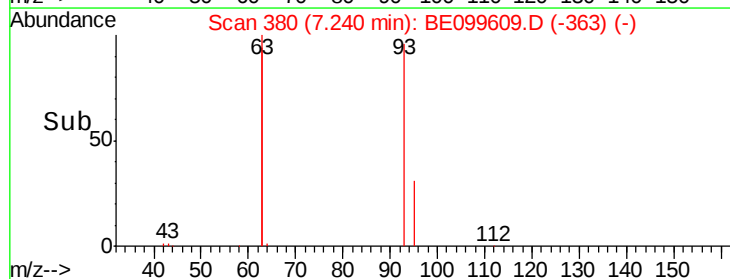
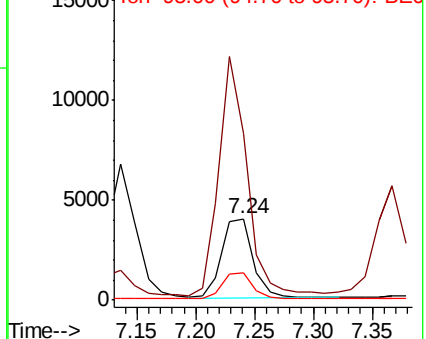
93 100

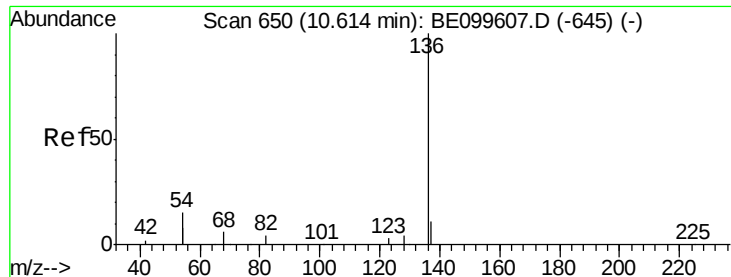
63 262.3 201.0 301.4

95 32.2 25.0 37.4



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: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5215

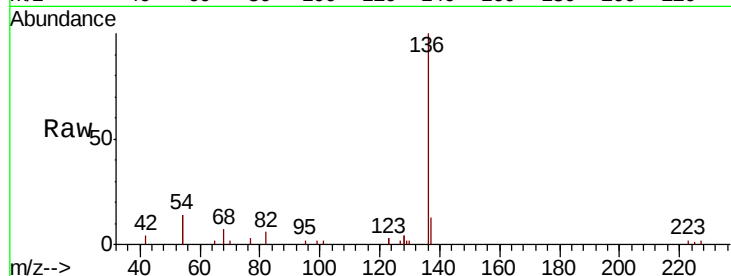
Ion Ratio Lower Upper

136 100

137 12.6 9.7 14.5

54 28.4 23.8 35.8

68 7.3 6.2 9.2

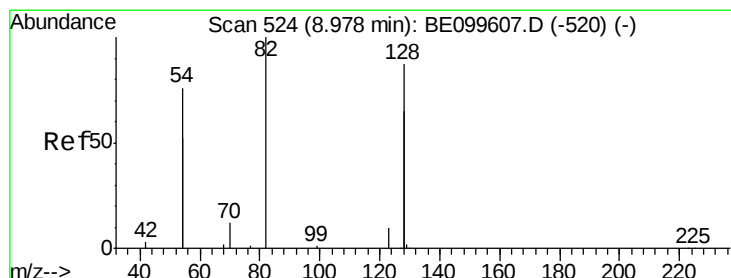
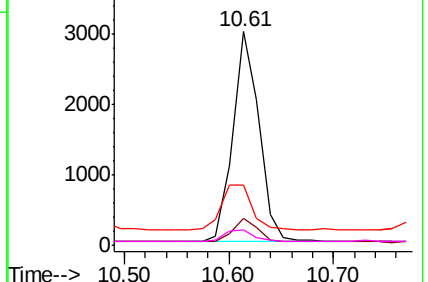
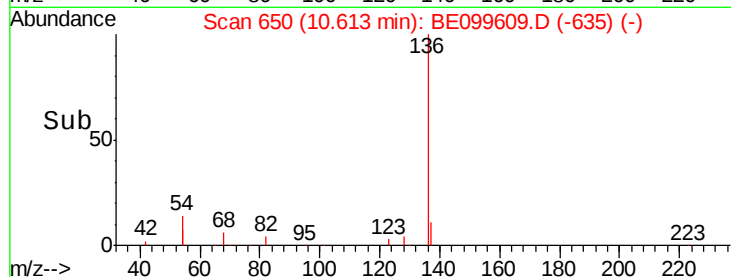


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.696 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

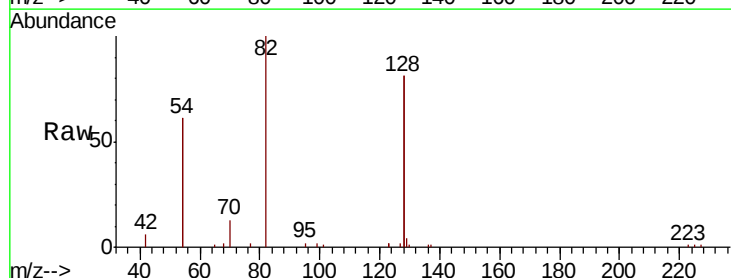
Tgt Ion: 82 Resp: 8300

Ion Ratio Lower Upper

82 100

128 162.2 131.4 197.2

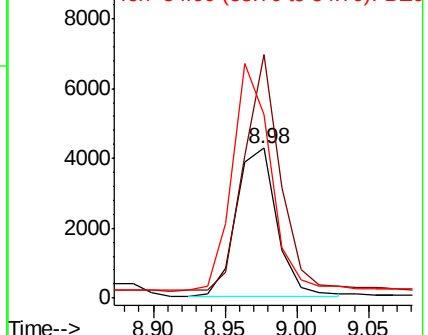
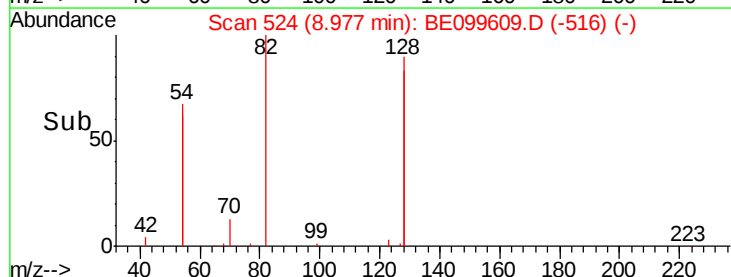
54 122.0 113.9 170.9

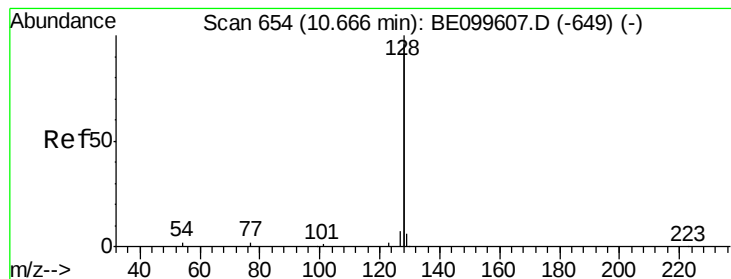


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.618 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

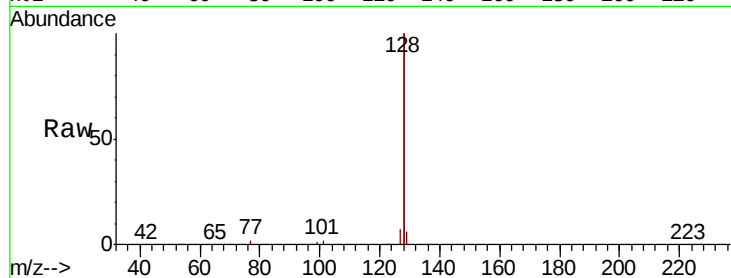
Tot Ion:128 Resp: 89924

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

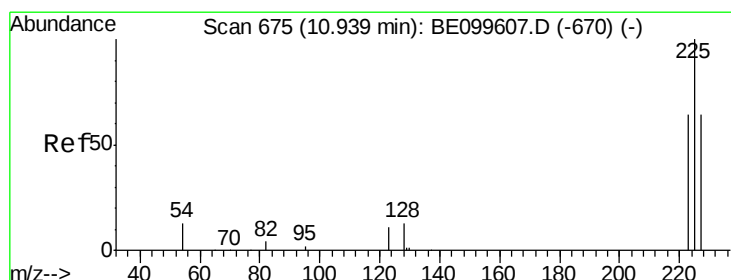
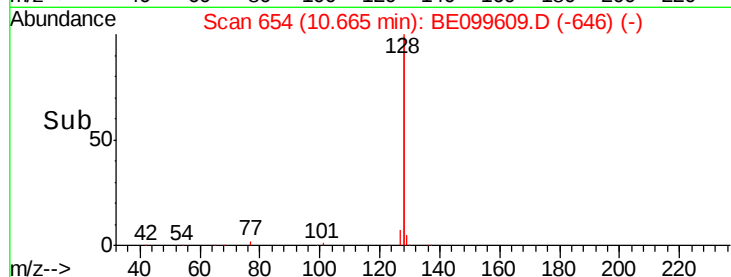
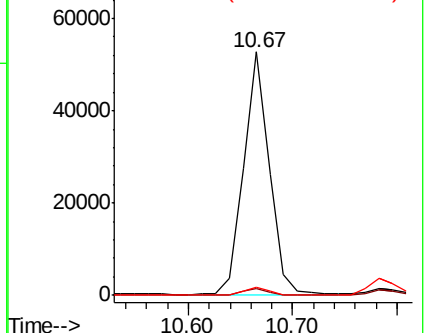
127 3.4 3.0 4.6



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: 1.592 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

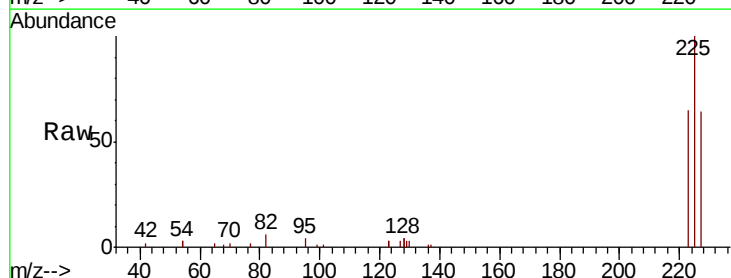
Tgt Ion:225 Resp: 6386

Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

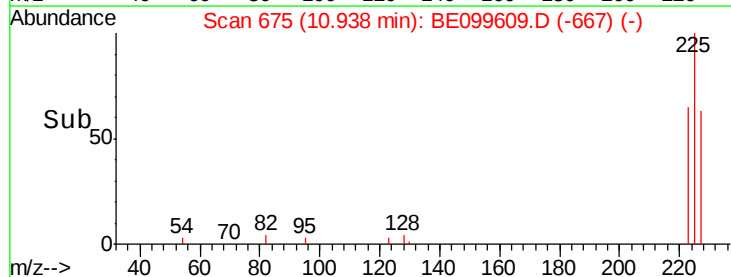
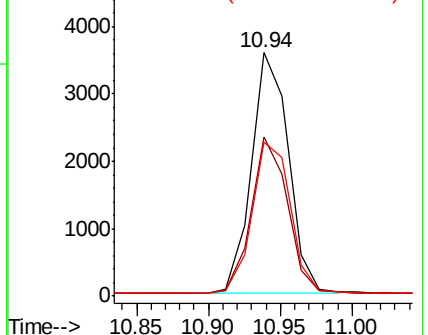
227 65.0 51.2 76.8

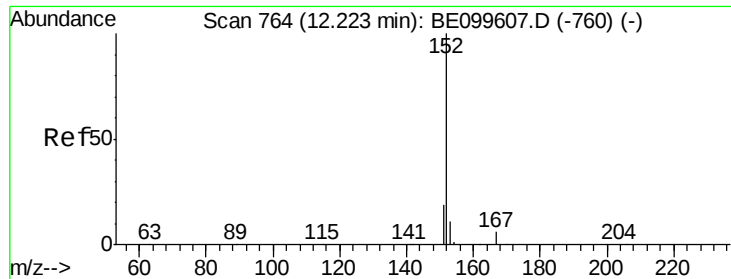


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

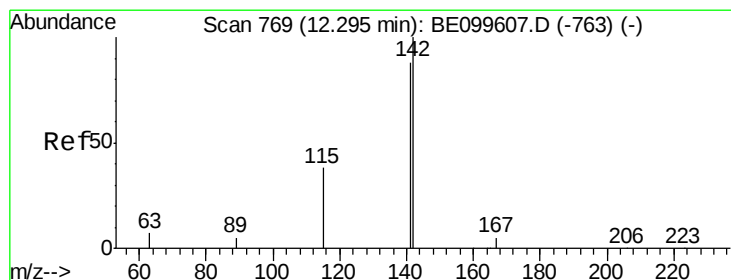
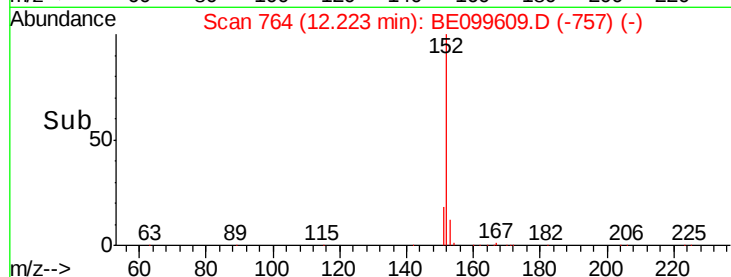
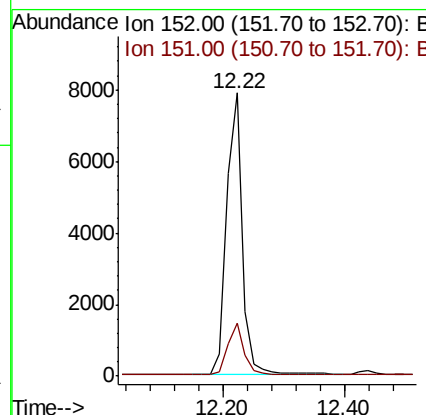
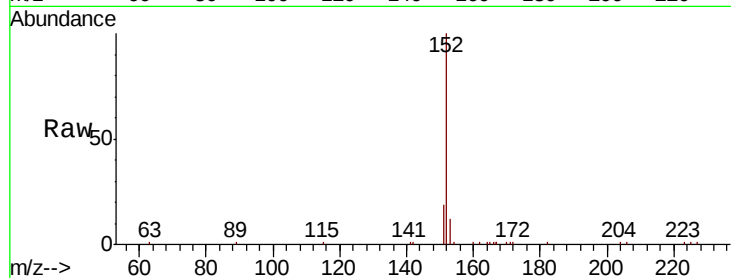




#11
 2-Methylnaphthalene-d10
 Concen: 1.640 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

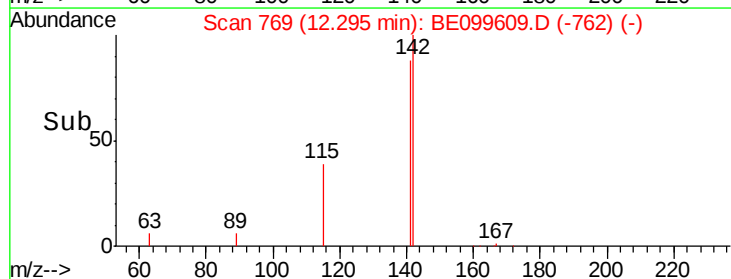
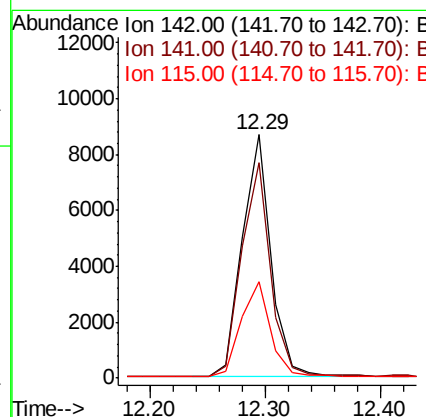
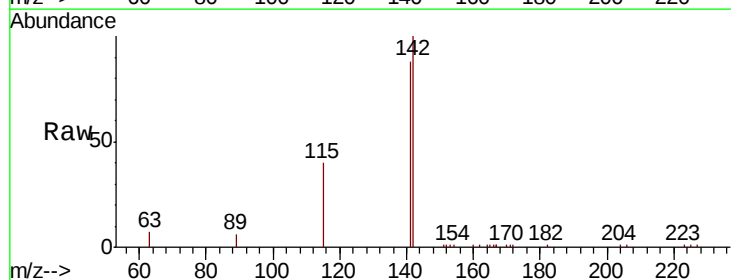
Instrument :
 BNA_E
 ClientSampleId :

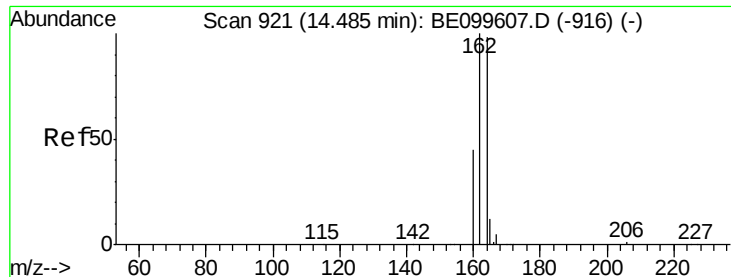
Tot Ion:152 Resp: 14317
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 1.640 ng
 RT: 12.29 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

Tgt Ion:142 Resp: 14889
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.4 105.6
 115 39.8 32.2 48.4

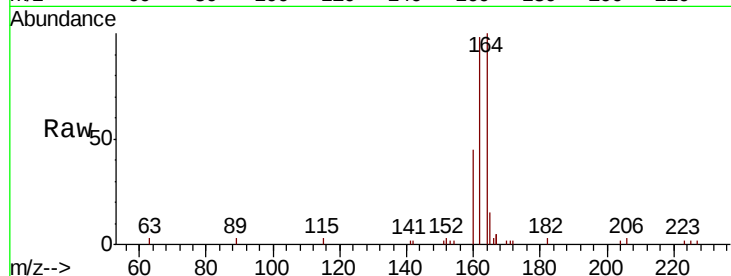




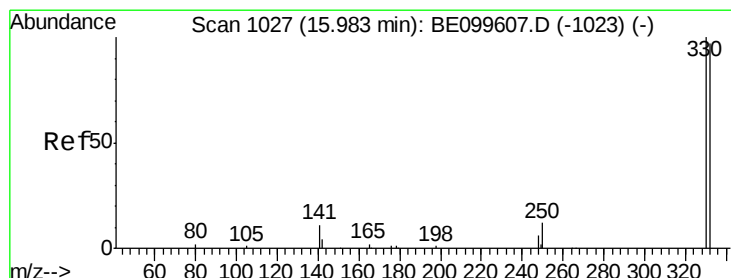
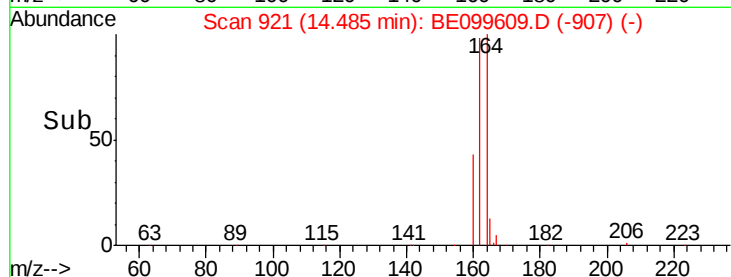
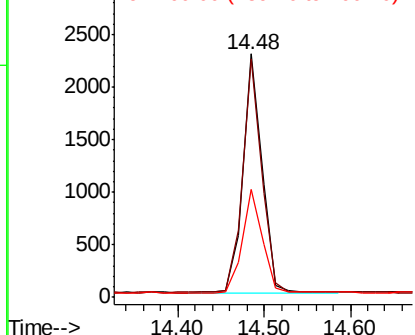
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3432
Ion Ratio Lower Upper
164 100
162 97.8 81.4 122.0
160 44.5 37.4 56.2

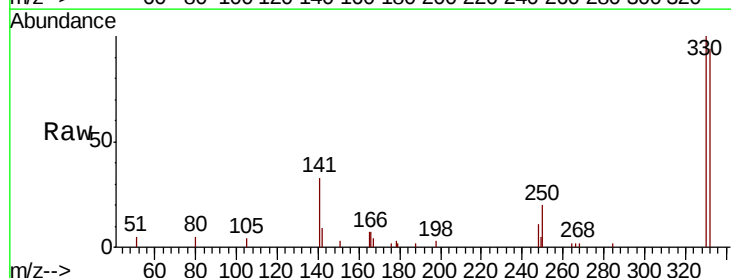


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

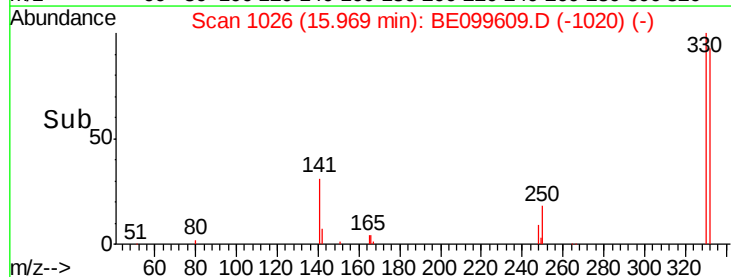
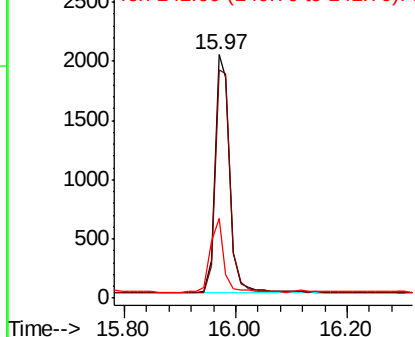


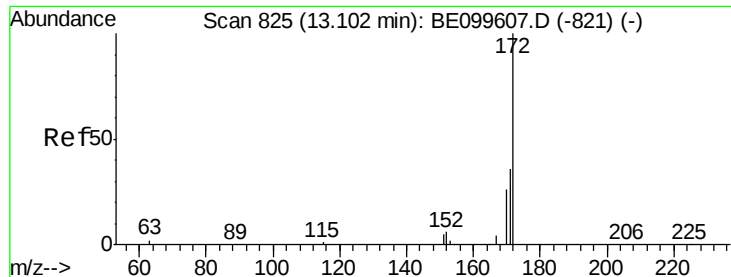
#14
2,4,6-Tribromophenol
Concen: 1.861 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:330 Resp: 3788
Ion Ratio Lower Upper
330 100
332 96.3 73.8 110.8
141 28.0 21.0 31.6



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

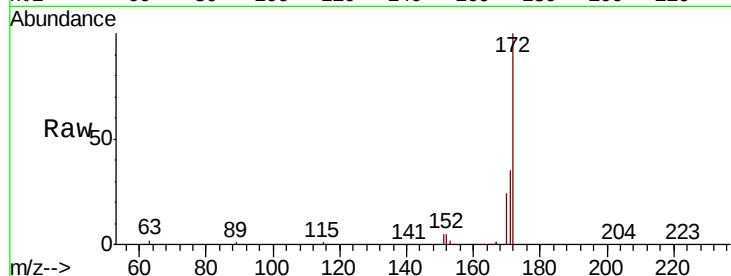




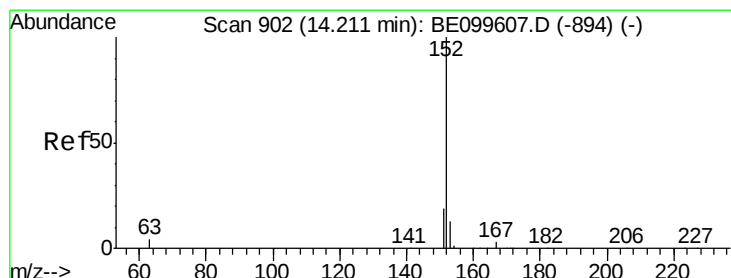
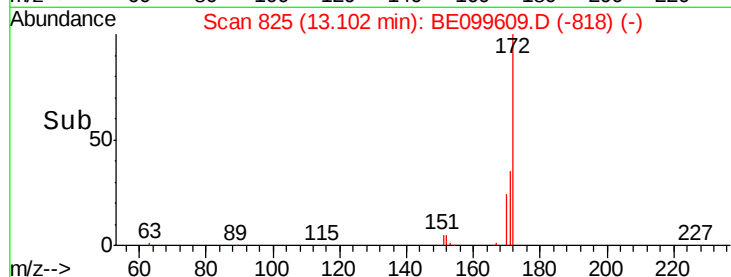
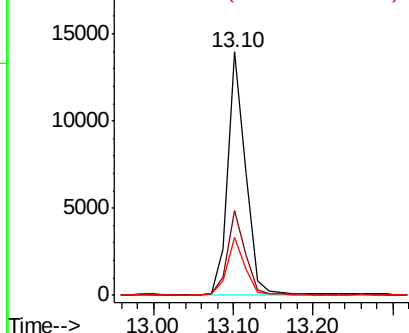
#15
2-Fluorobiphenyl
Concen: 1.611 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 21431
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.2
170 24.0 21.5 32.3

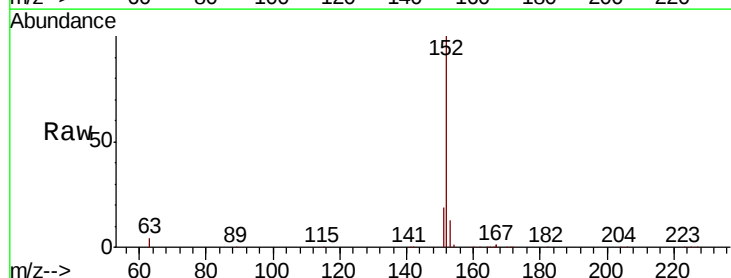


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

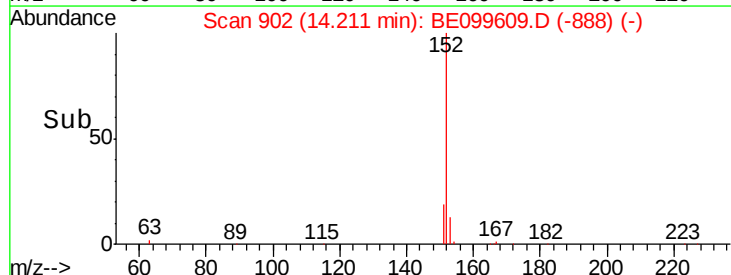
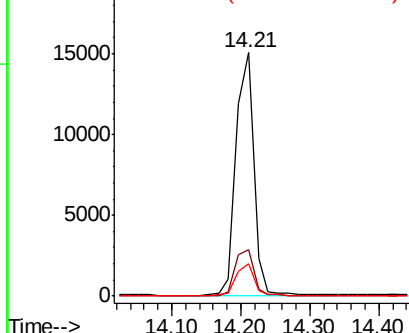


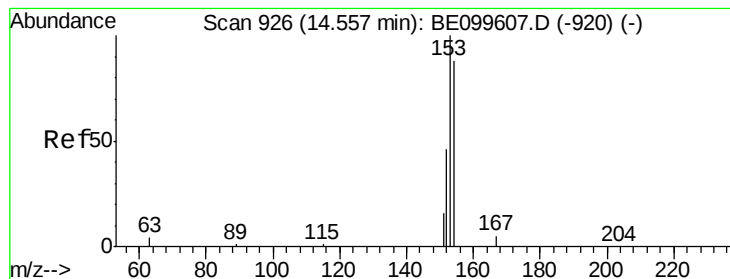
#16
Acenaphthylene
Concen: 1.611 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:152 Resp: 26771
Ion Ratio Lower Upper
152 100
151 19.6 15.6 23.4
153 12.8 10.4 15.6



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: 1.576 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

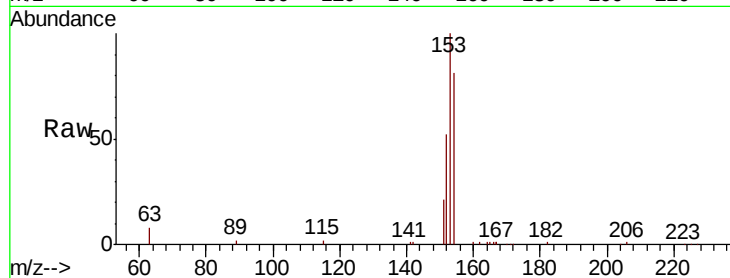
Tot Ion:154 Resp: 14617

Ion Ratio Lower Upper

154 100

153 117.5 94.1 141.1

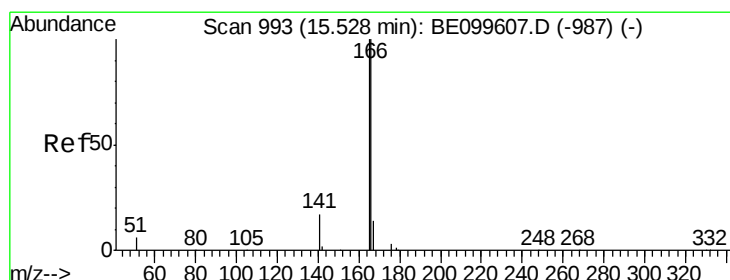
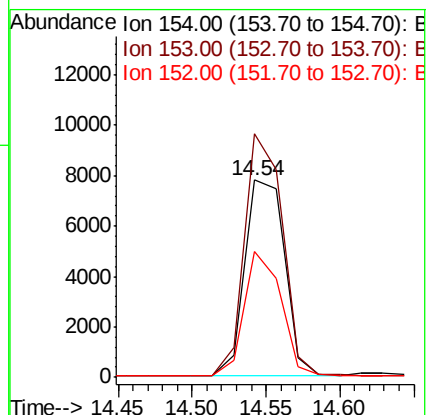
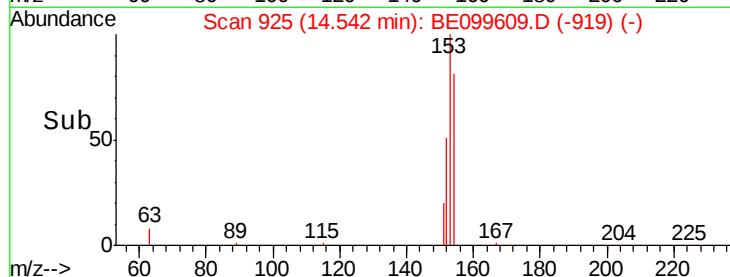
152 58.4 46.5 69.7



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: 1.600 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

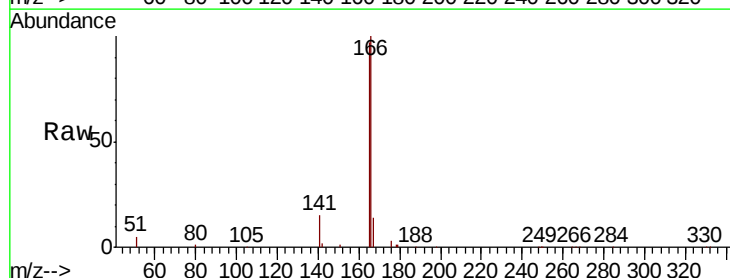
Tgt Ion:166 Resp: 21185

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

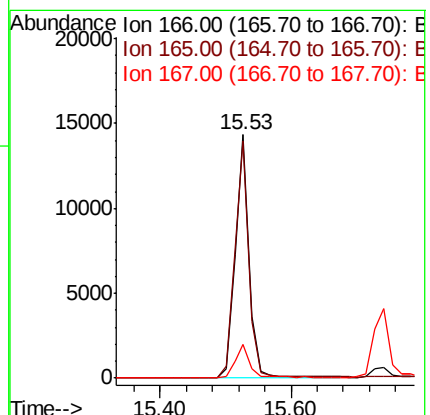
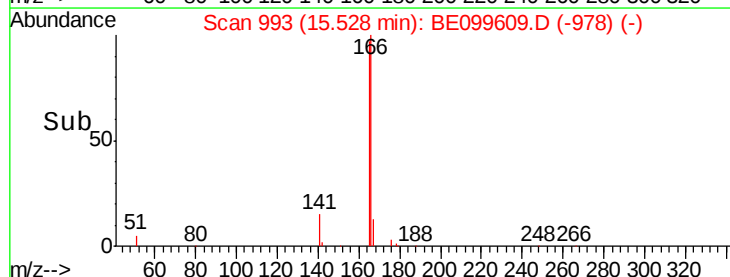
167 13.5 11.2 16.8

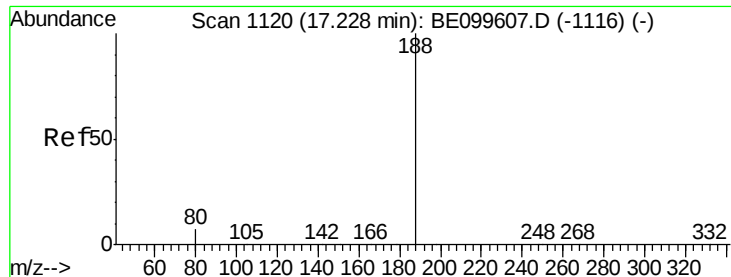


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

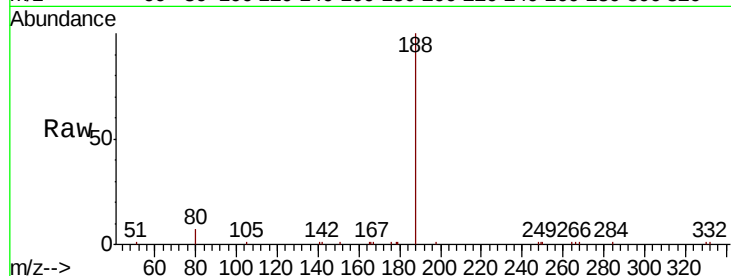
Tot Ion:188 Resp: 9394

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

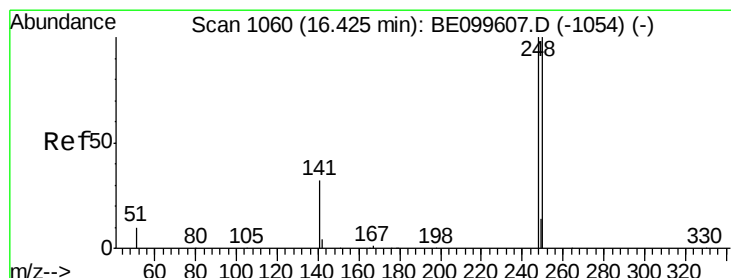
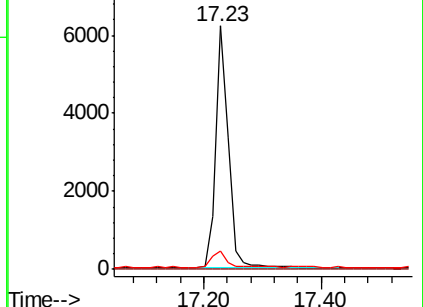
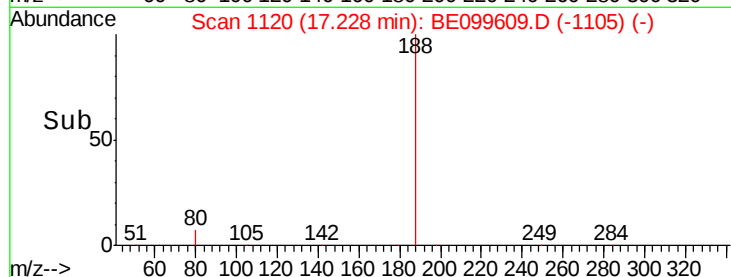
80 7.5 6.4 9.6



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: 1.656 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

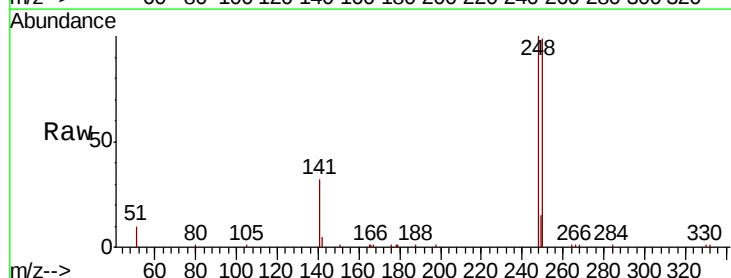
Tgt Ion:248 Resp: 8874

Ion Ratio Lower Upper

248 100

250 98.7 80.4 120.6

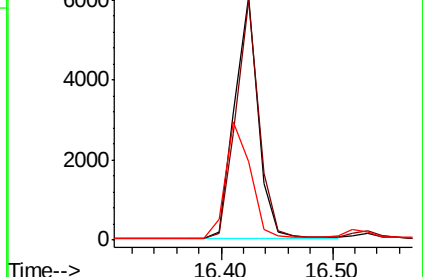
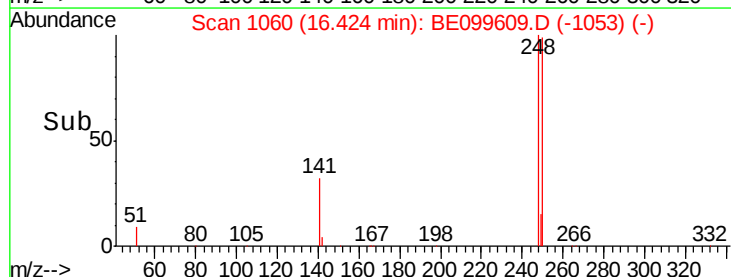
141 32.2 27.8 41.8

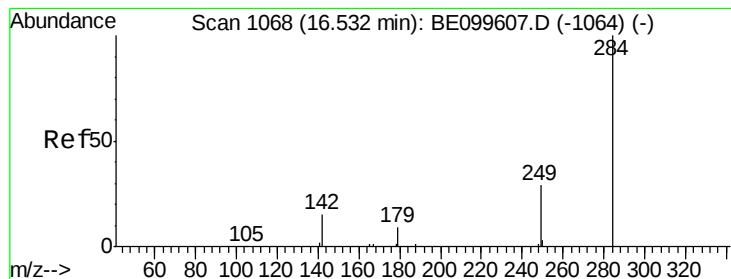


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.654 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

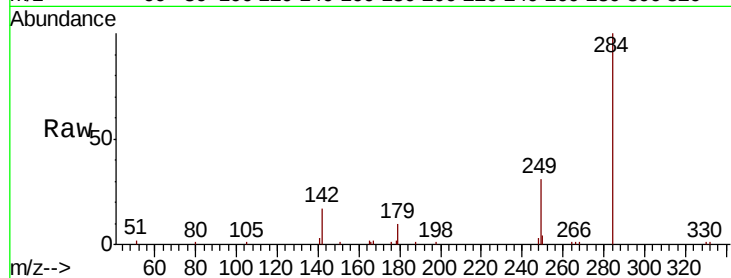
Tot Ion:284 Resp: 8899

Ion Ratio Lower Upper

284 100

142 23.8 19.4 29.2

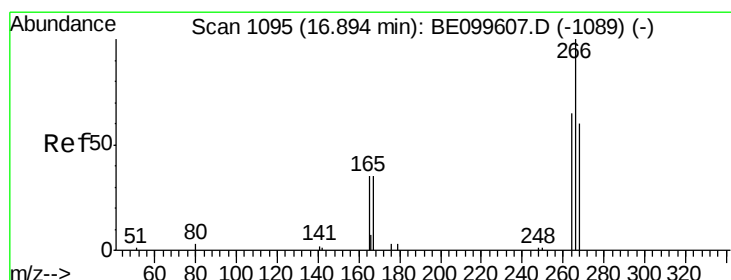
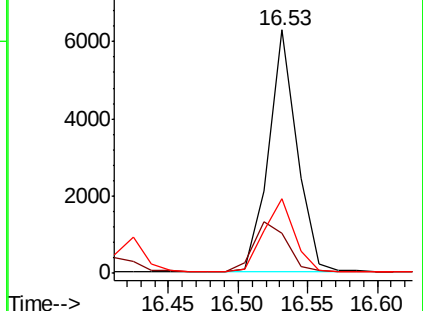
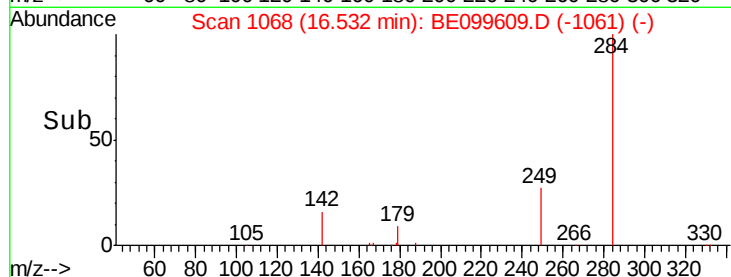
249 32.0 24.6 37.0



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: 1.565 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

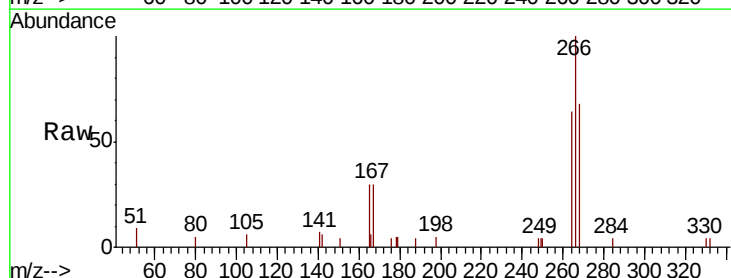
Tgt Ion:266 Resp: 3367

Ion Ratio Lower Upper

266 100

264 64.3 57.7 86.5

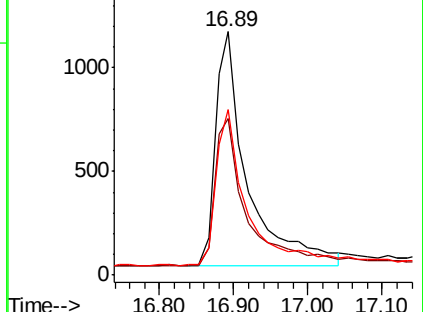
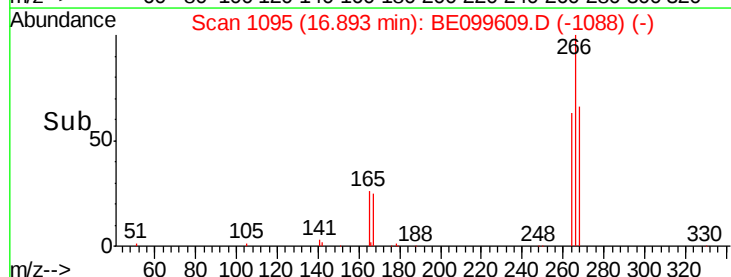
268 67.7 55.8 83.8

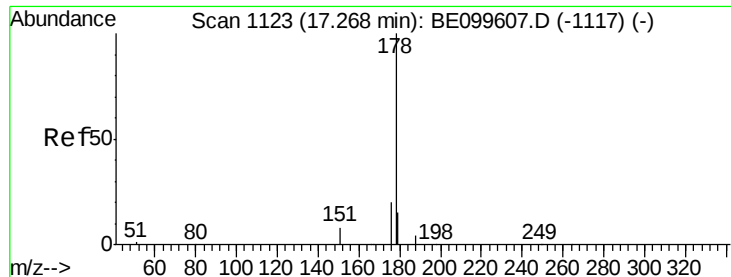


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.625 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

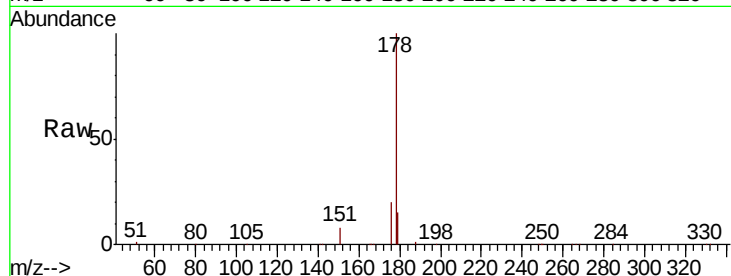
Tot Ion:178 Resp: 37886

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

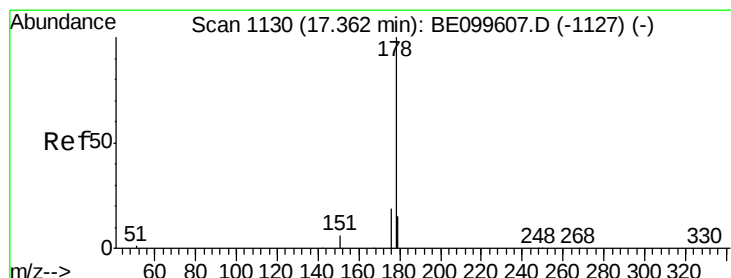
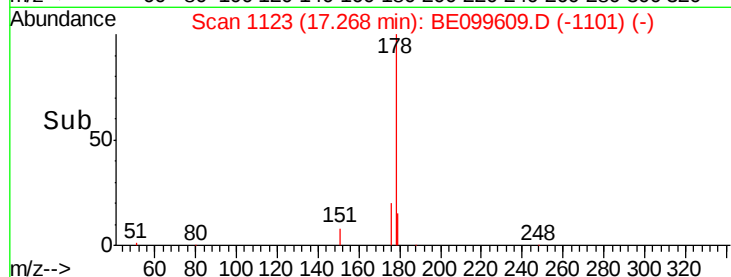
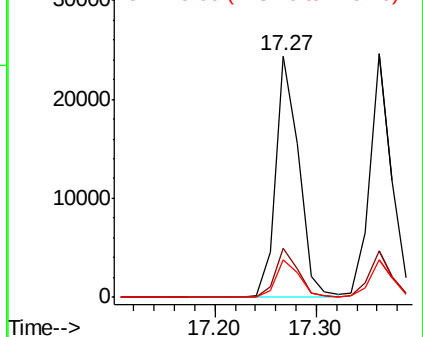
179 15.3 12.2 18.2



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: 1.660 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

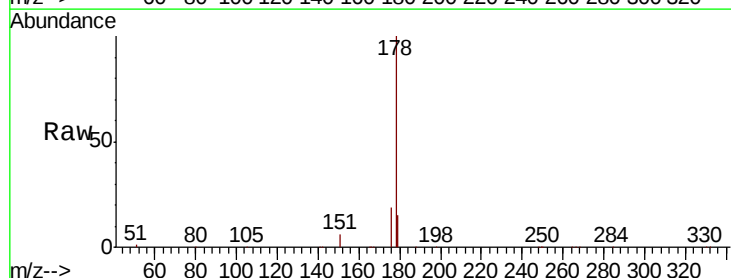
Tgt Ion:178 Resp: 36346

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

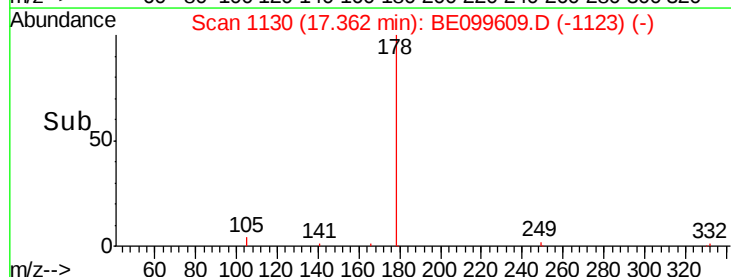
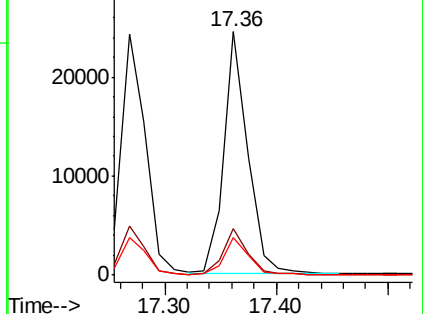
179 15.0 12.1 18.1

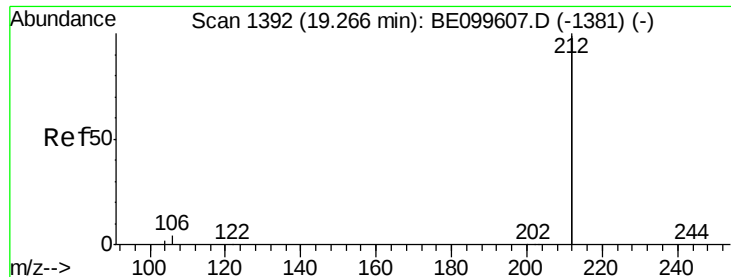


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.645 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

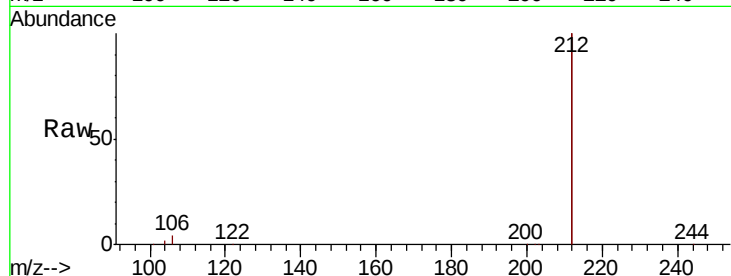
Tot Ion:212 Resp: 203238

Ion Ratio Lower Upper

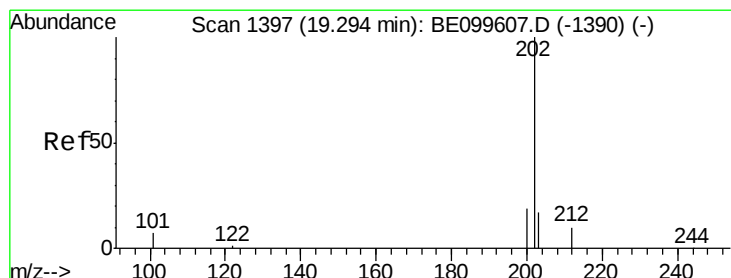
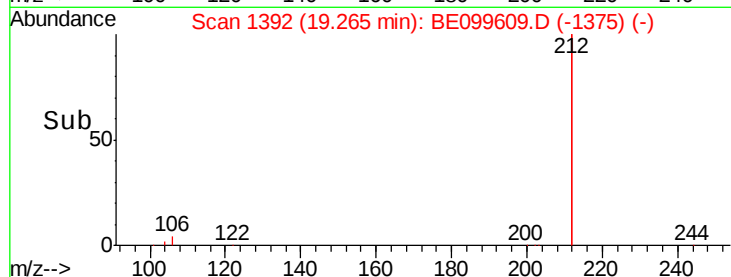
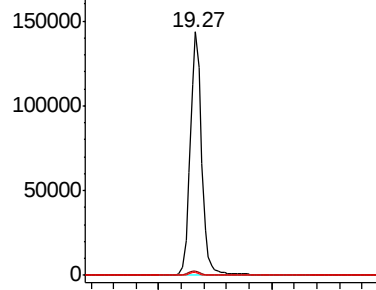
212 100

106 1.8 1.4 2.2

104 1.0 0.9 1.3



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: 1.648 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

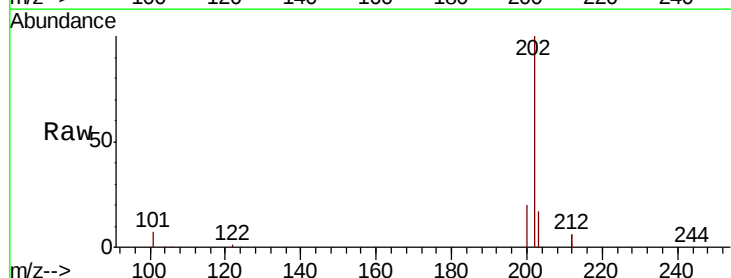
Tgt Ion:202 Resp: 57828

Ion Ratio Lower Upper

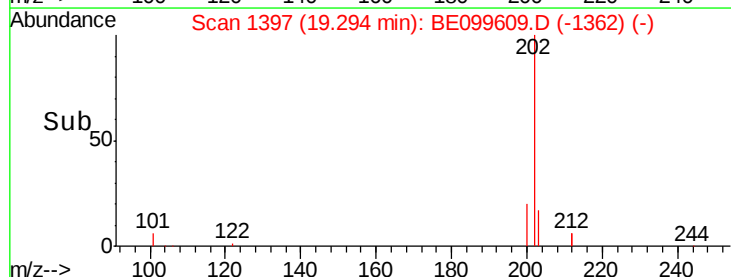
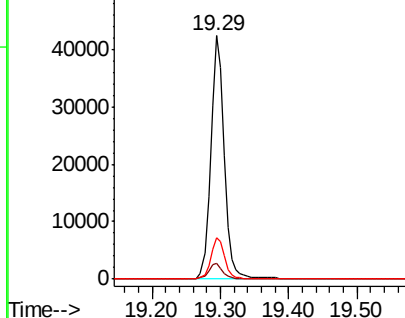
202 100

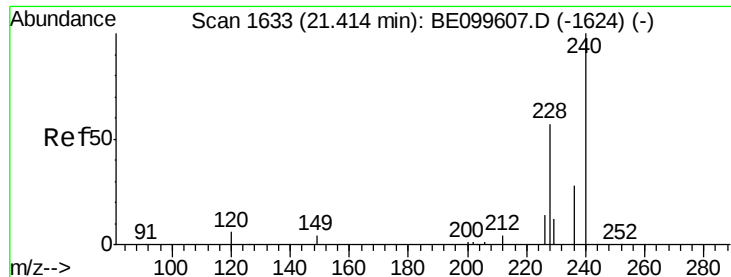
101 6.7 5.0 7.6

203 17.5 13.7 20.5



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

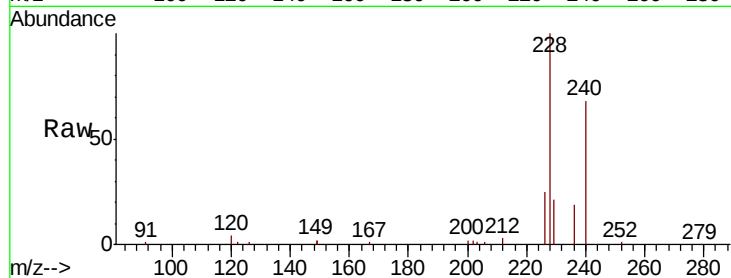




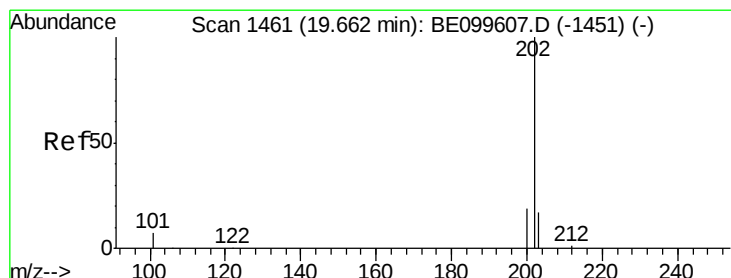
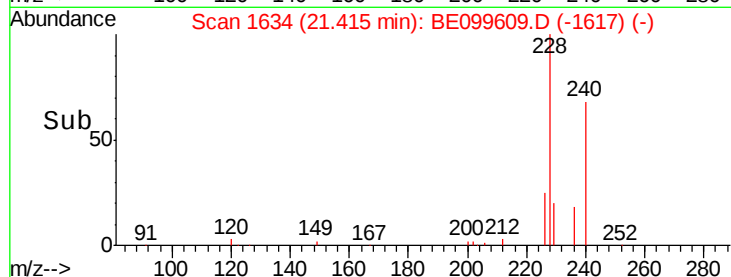
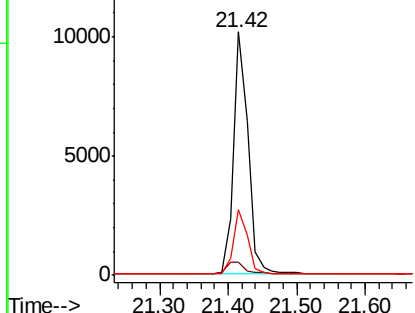
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 14945
Ion Ratio Lower Upper
240 100
120 5.5 5.7 8.5#
236 27.1 22.8 34.2

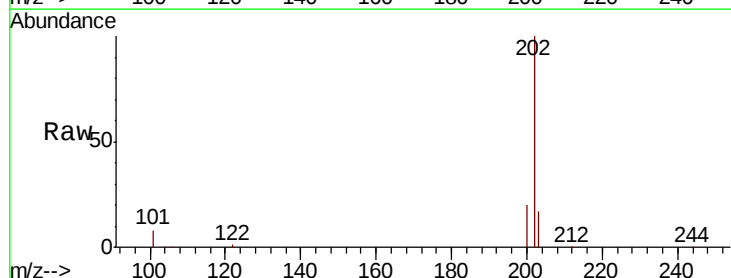


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

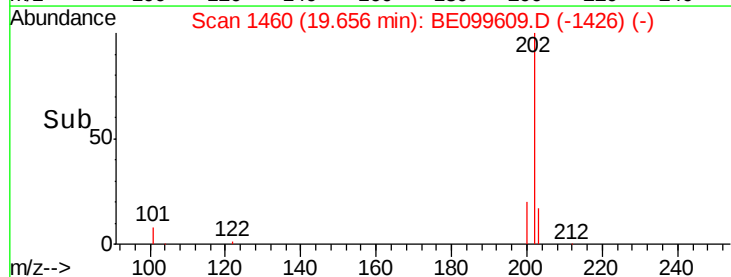
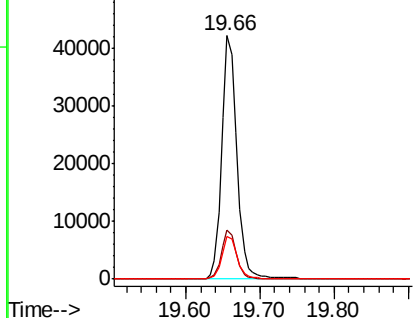


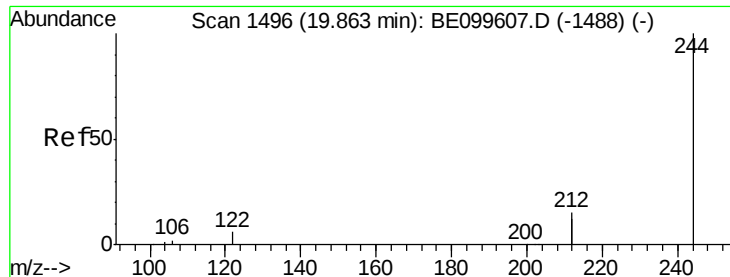
#28
Pyrene
Concen: 1.510 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099609.D
Acq: 14 May 2019 17:44

Tgt Ion:202 Resp: 59472
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.6
203 17.6 14.1 21.1



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: 1.589 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

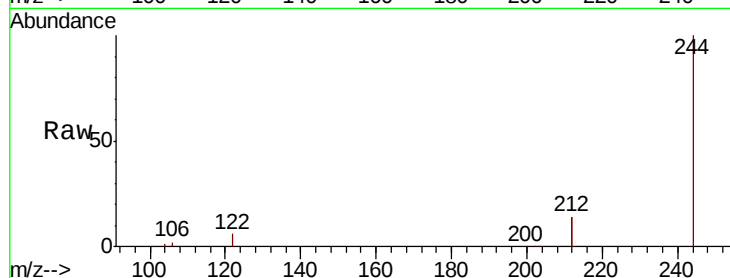
Tot Ion:244 Resp: 42202

Ion Ratio Lower Upper

244 100

212 27.9 23.8 35.6

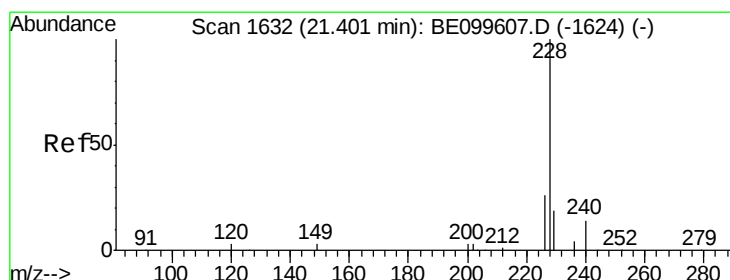
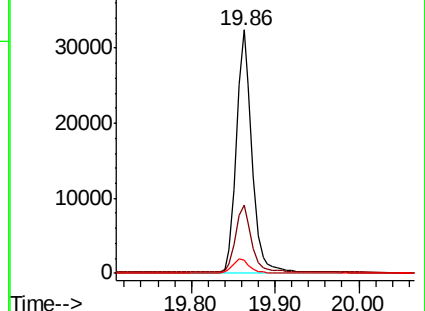
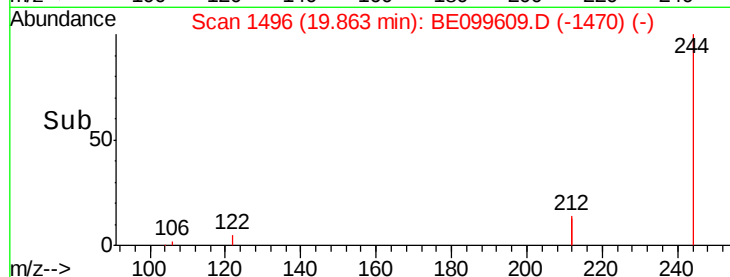
122 5.6 5.0 7.6



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: 1.590 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

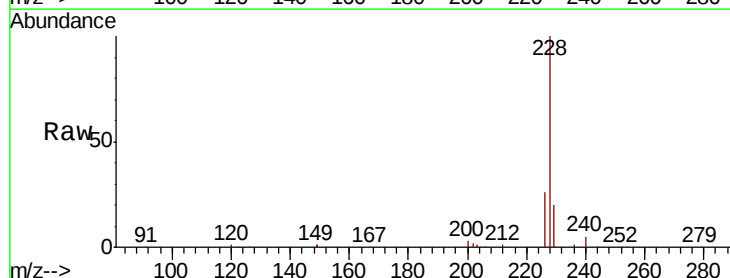
Tgt Ion:228 Resp: 72577

Ion Ratio Lower Upper

228 100

226 26.2 21.4 32.2

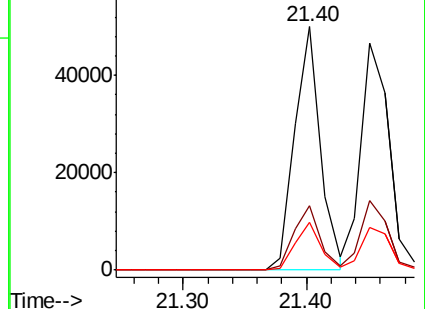
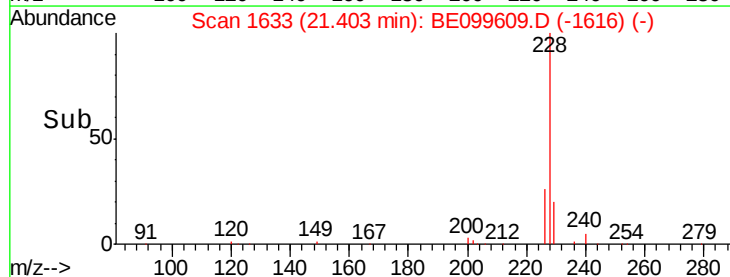
229 19.9 15.8 23.8

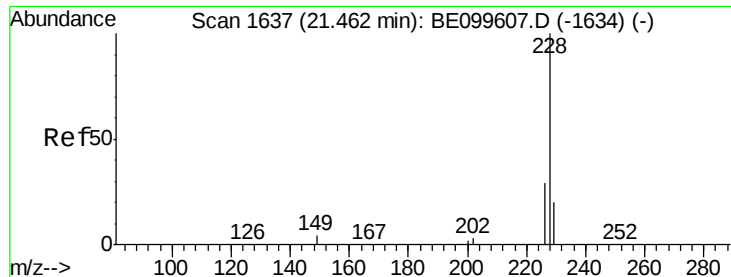


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.614 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

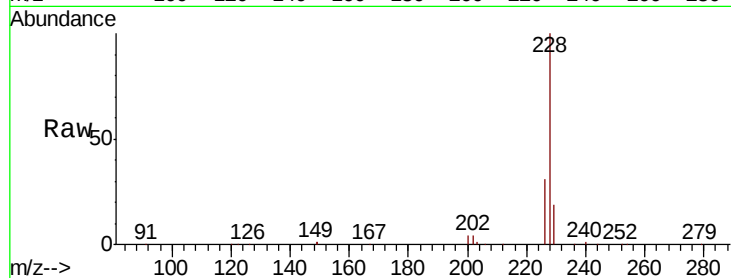
Tot Ion:228 Resp: 73634

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

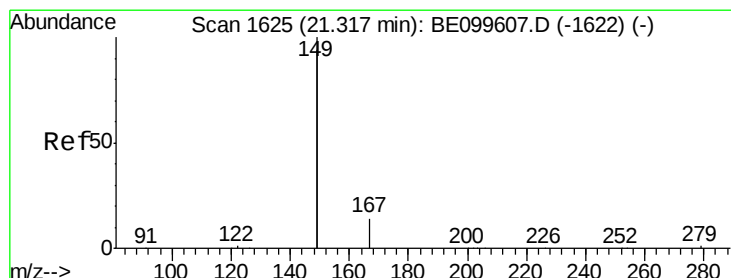
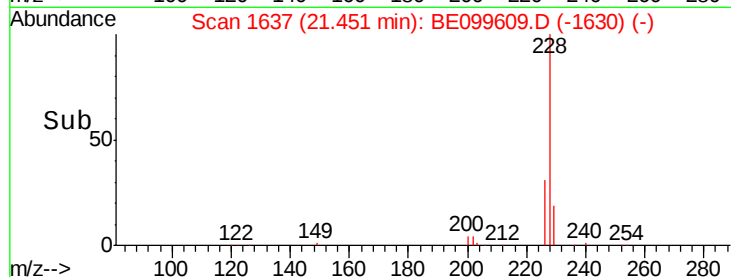
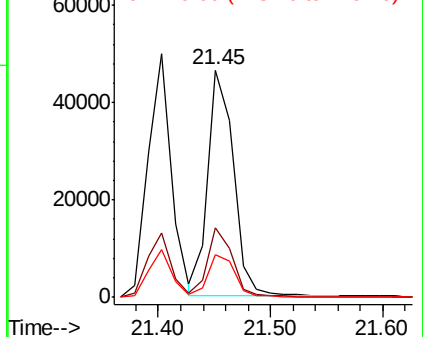
229 19.0 16.4 24.6



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: 1.552 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

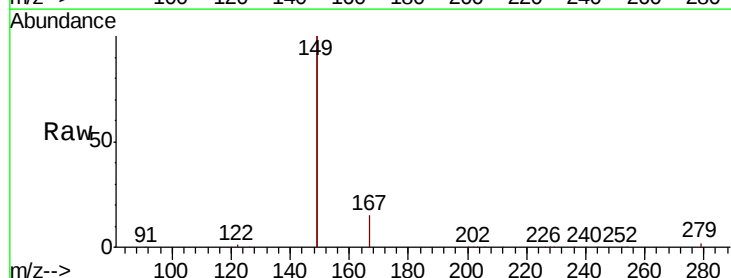
Tgt Ion:149 Resp: 101816

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

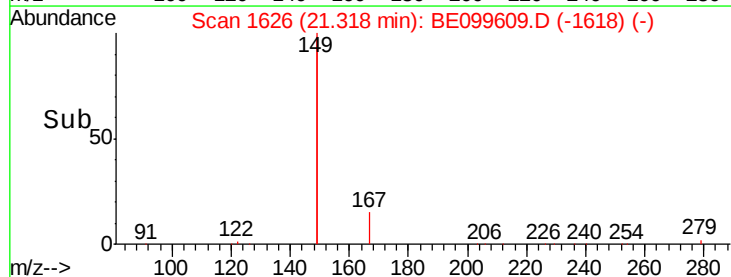
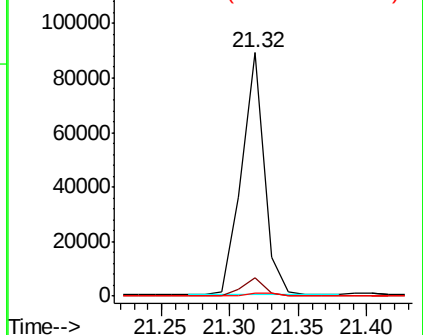
279 1.4 1.1 1.7

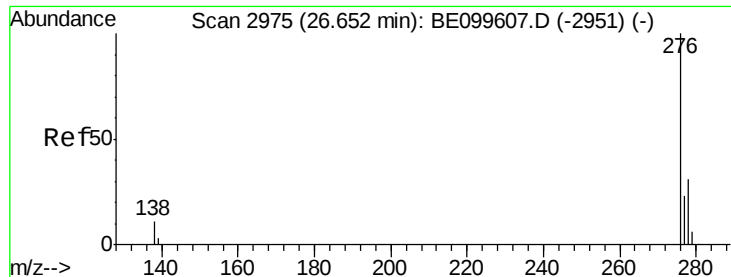


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

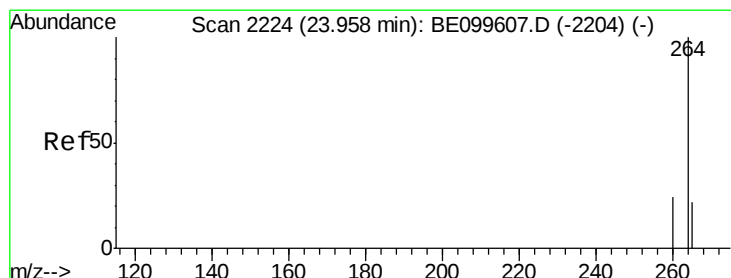
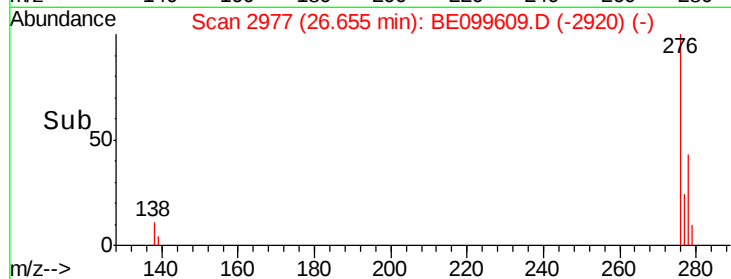
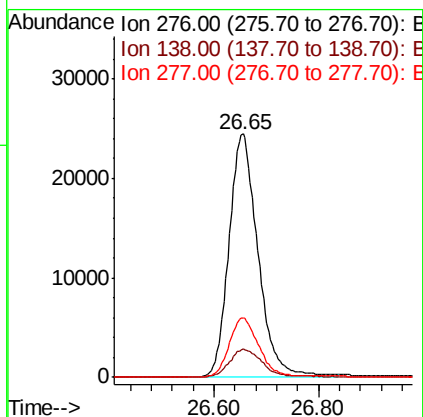
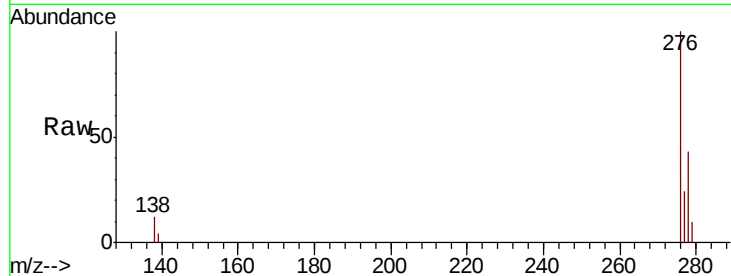




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.648 ng
 RT: 26.65 min Scan# 2977
 Delta R.T. 0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

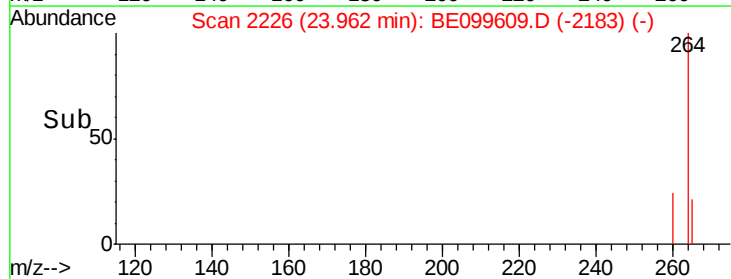
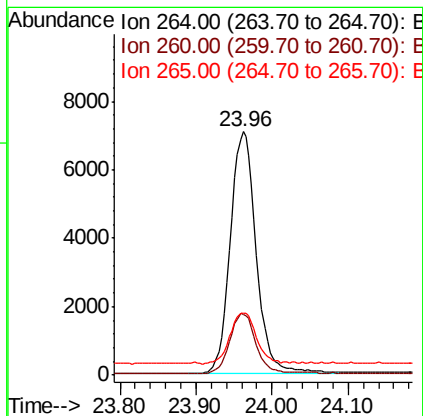
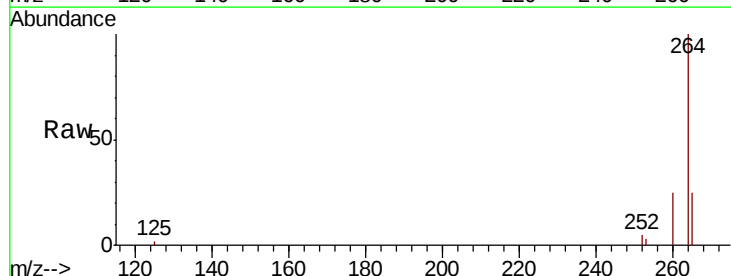
Instrument :
 BNA_E
 ClientSampleId :

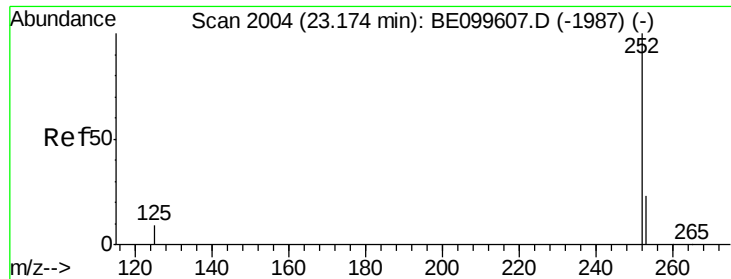
Tot Ion:276 Resp: 93806
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.0 15.0
 277 24.7 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BE099609.D
 Acq: 14 May 2019 17:44

Tgt Ion:264 Resp: 16675
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 25.3 21.2 31.8





#35

Benzo(b)fluoranthene

Concen: 1.639 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

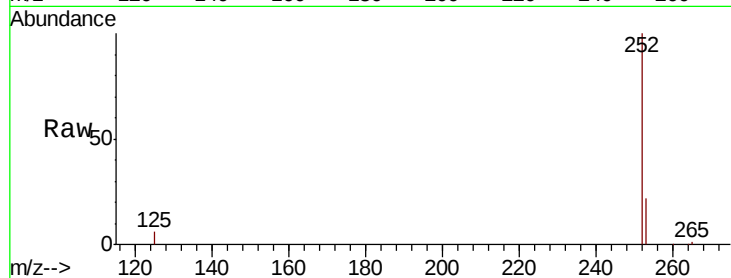
Tot Ion:252 Resp: 75480

Ion Ratio Lower Upper

252 100

253 22.0 19.1 28.7

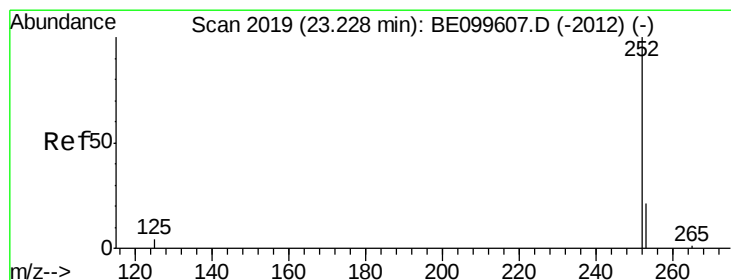
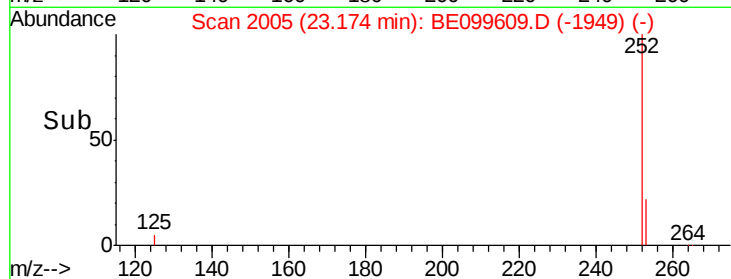
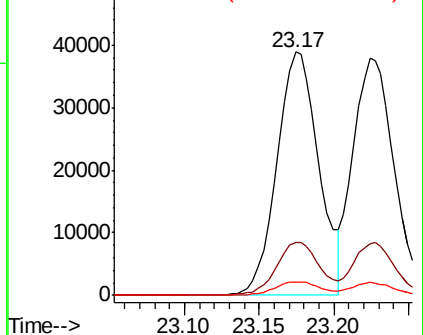
125 5.6 7.8 11.8#



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



#36

Benzo(k)fluoranthene

Concen: 1.617 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

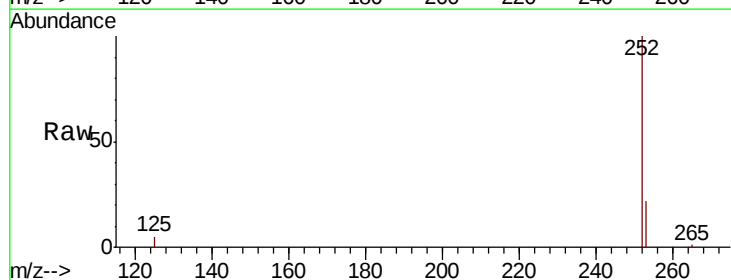
Tgt Ion:252 Resp: 74040

Ion Ratio Lower Upper

252 100

253 21.9 18.6 28.0

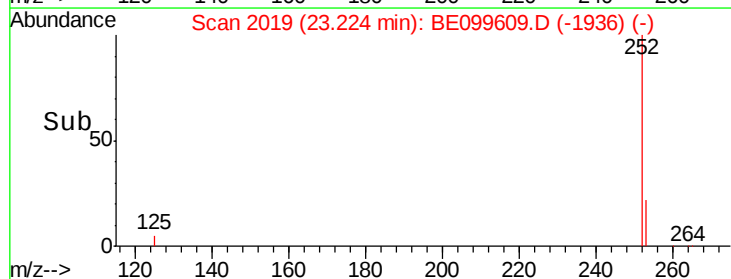
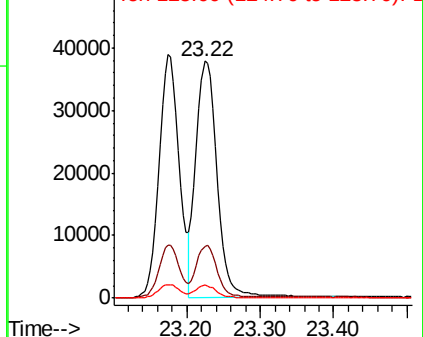
125 5.4 5.2 7.8

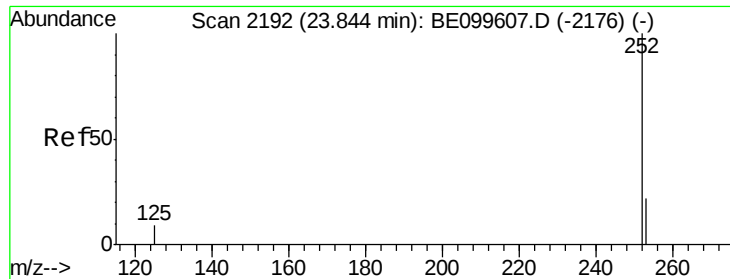


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.619 ng

RT: 23.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

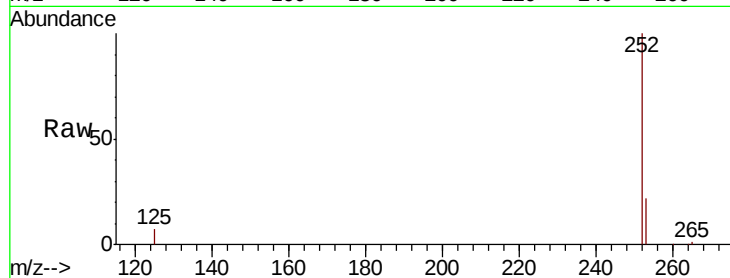
Tot Ion:252 Resp: 72260

Ion Ratio Lower Upper

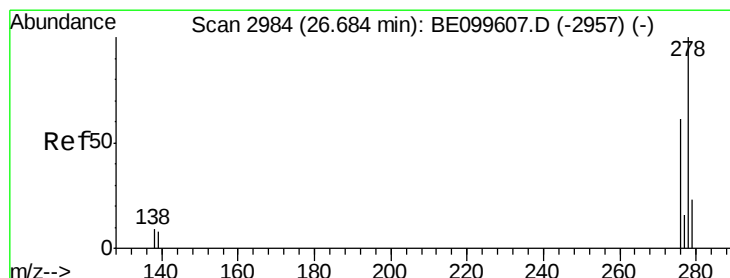
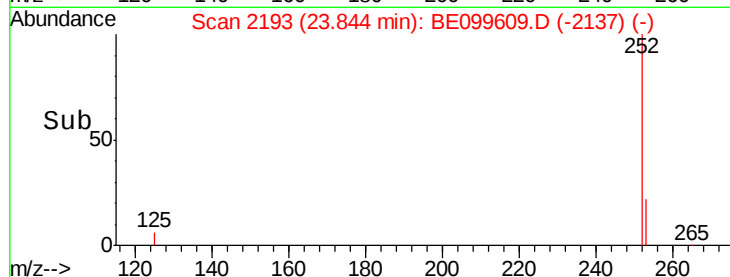
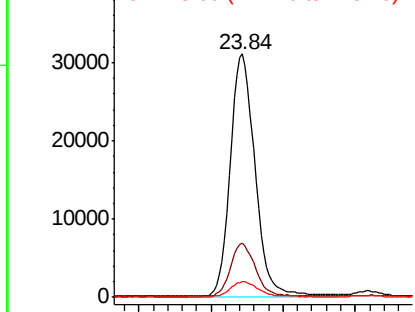
252 100

253 22.4 19.0 28.6

125 6.5 8.8 13.2#



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: 1.650 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

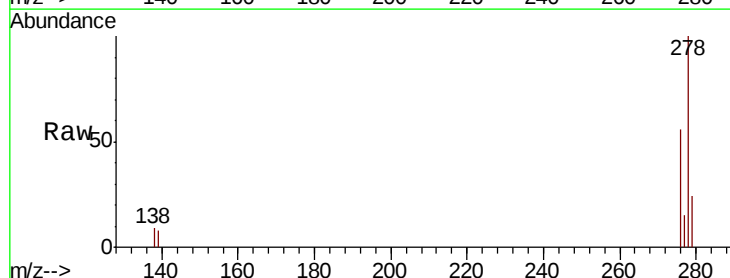
Tgt Ion:278 Resp: 76963

Ion Ratio Lower Upper

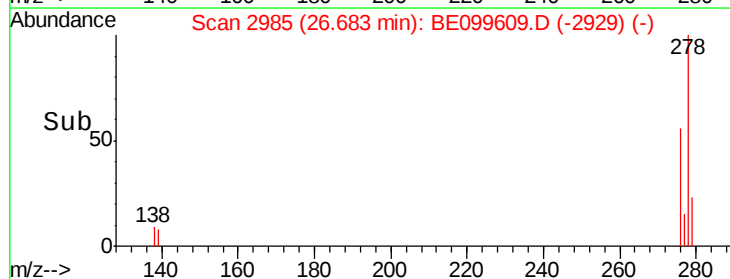
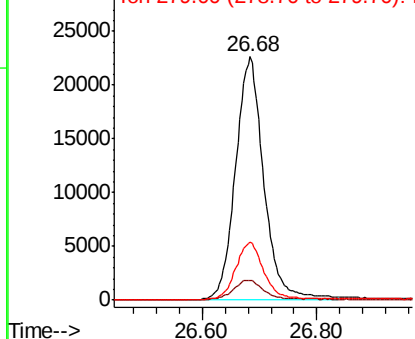
278 100

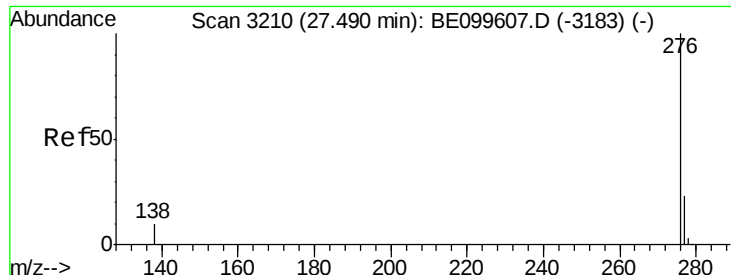
139 8.2 7.9 11.9

279 23.7 19.5 29.3



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: 1.641 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099609.D

Acq: 14 May 2019 17:44

Instrument :

BNA_E

ClientSampleId :

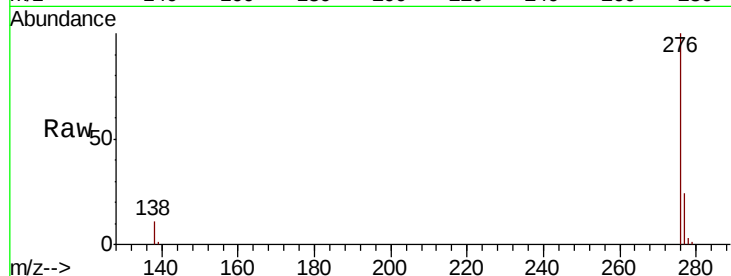
Tot Ion:276 Resp: 77486

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 11.3 9.1 13.7



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

