

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099649.D
 Acq On : 17 May 2019 13:15
 Operator : JU/SJ
 Sample : K2838-03MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

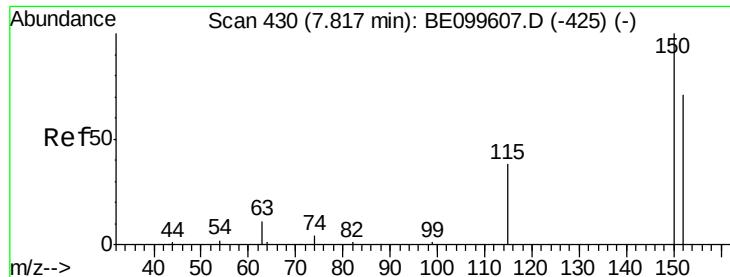
Quant Time: May 17 15:37:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1816	0.40	ng	-0.01
7) Naphthalene-d8	10.62	136	6187	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4250	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11707	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17774	0.40	ng	0.00
34) Perylene-d12	23.96	264	21362	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1513	0.29	ng	0.00
5) Phenol-d6	6.97	99	2023	0.31	ng	-0.01
8) Nitrobenzene-d5	8.98	82	1773	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3793	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	663	0.23	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4634	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	42715	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8715	0.27	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	594	0.222	ng	# 45
3) n-Nitrosodimethylamine	3.63	42	397	0.232	ng	# 81
6) bis(2-Chloroethyl)ether	7.23	93	1619	0.295	ng	95
9) Naphthalene	10.67	128	19851	0.302	ng	100
10) Hexachlorobutadiene	10.94	225	1345	0.279	ng	99
12) 2-Methylnaphthalene	12.30	142	3200	0.294	ng	99
16) Acenaphthylene	14.20	152	5452	0.272	ng	99
17) Acenaphthene	14.54	154	3149	0.278	ng	99
18) Fluorene	15.53	166	4464	0.275	ng	98
20) 4-Bromophenyl-phenylether	16.42	248	1907	0.283	ng	98
21) Hexachlorobenzene	16.53	284	1895	0.286	ng	100
22) Pentachlorophenol	16.88	266	1296	0.611	ng	96
23) Phenanthrene	17.27	178	8434	0.290	ng	99
24) Anthracene	17.36	178	7415	0.277	ng	100
26) Fluoranthene	19.29	202	13074	0.297	ng	100
28) Pyrene	19.65	202	13753	0.304	ng	100
30) Benzo(a)anthracene	21.40	228	16390	0.305	ng	98
31) Chrysene	21.45	228	16007	0.289	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	31757	0.383	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	18841	0.274	ng	100
35) Benzo(b)fluoranthene	23.18	252	15736	0.263	ng	99
36) Benzo(k)fluoranthene	23.23	252	16725	0.284	ng	99
37) Benzo(a)pyrene	23.84	252	15805	0.273	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	15438	0.257	ng	99
39) Benzo(g,h,i)perylene	27.48	276	16032	0.266	ng	99

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

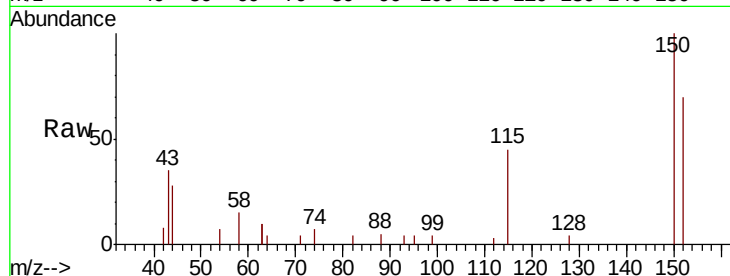


#1

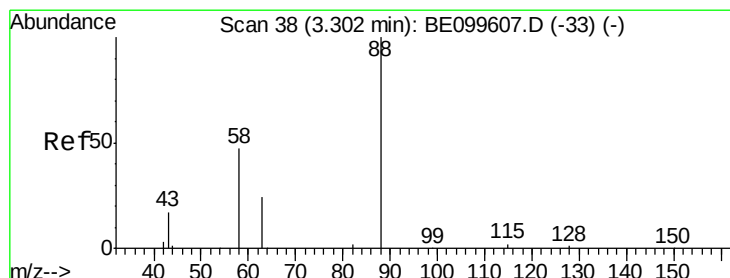
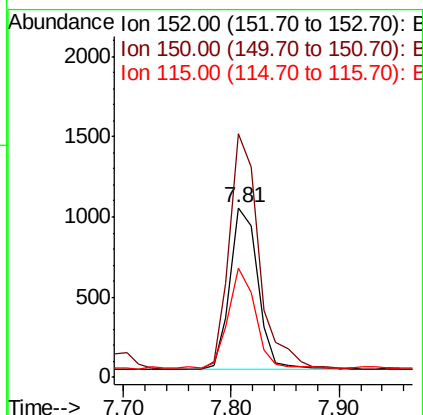
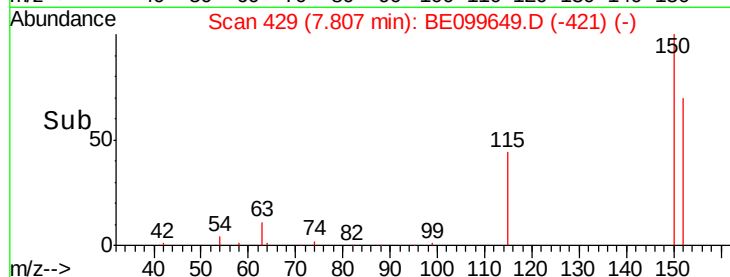
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1816
Ion Ratio Lower Upper
152 100
150 143.8 110.1 165.1
115 64.7 46.2 69.4



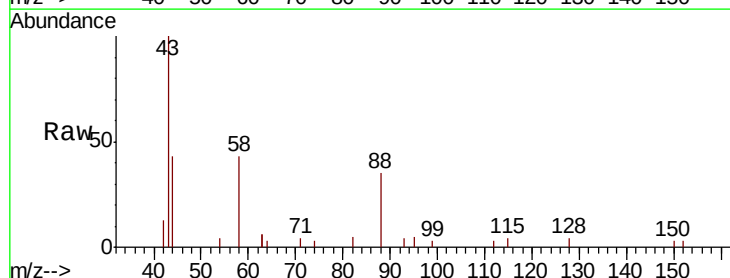
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



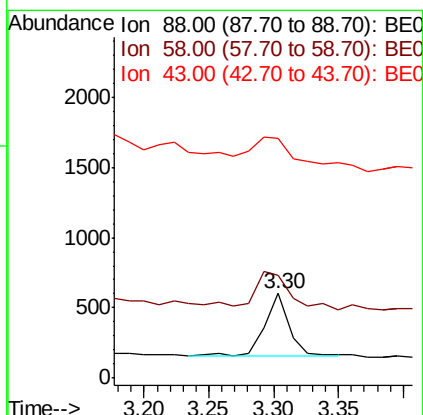
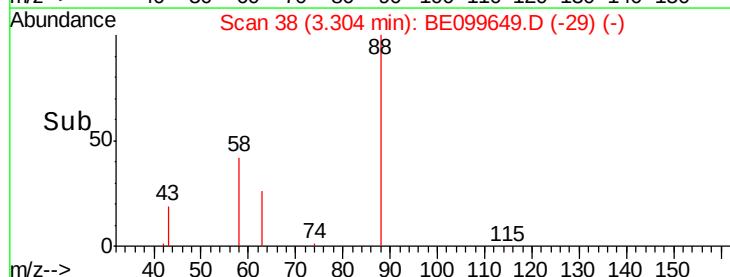
#2

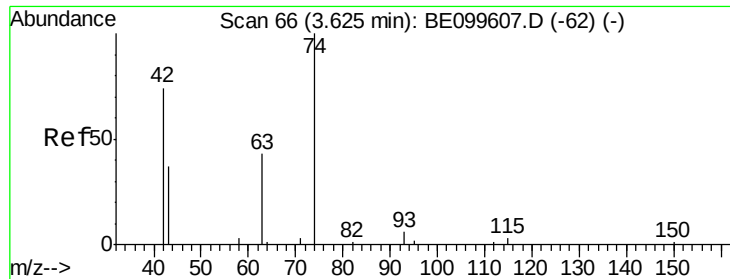
1,4-Dioxane
Concen: 0.222 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion: 88 Resp: 594
Ion Ratio Lower Upper
88 100
58 81.8 39.8 59.6#
43 62.0 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



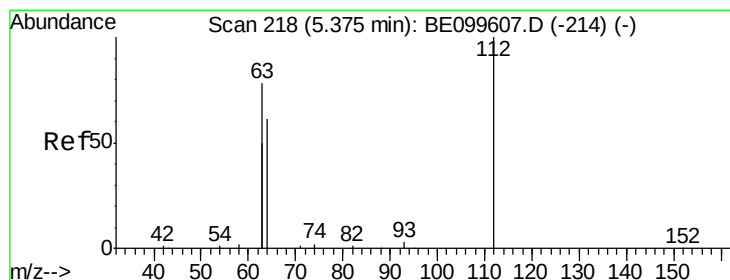
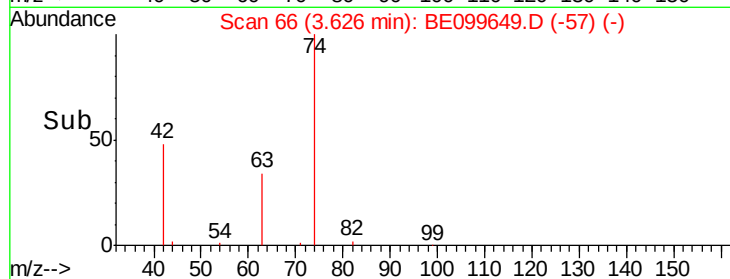
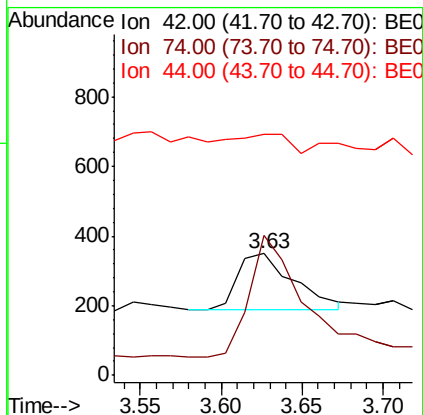
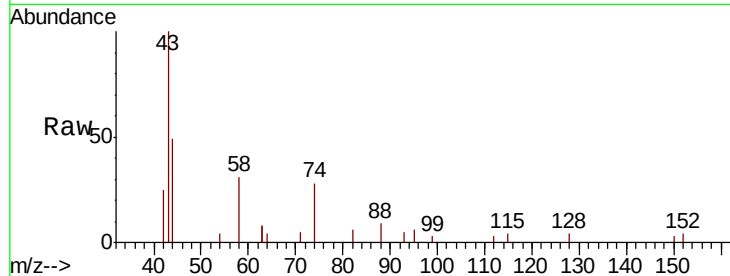


#3

n-Nitrosodimethylamine
 Concen: 0.232 ng
 RT: 3.63 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Instrument :
 BNA_E
 ClientSampleId :

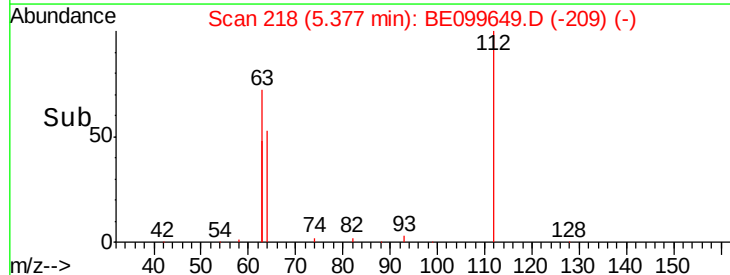
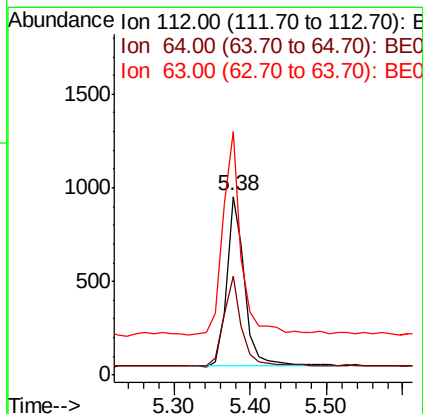
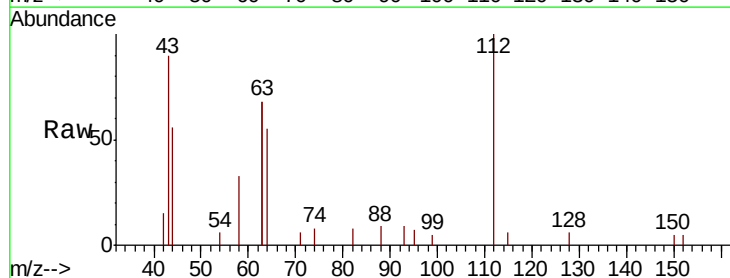
Tot Ion	42	Resp	397
Ion Ratio	Lower	Upper	
42	100		
74	193.7	134.7	202.1
44	26.2	12.5	18.7#

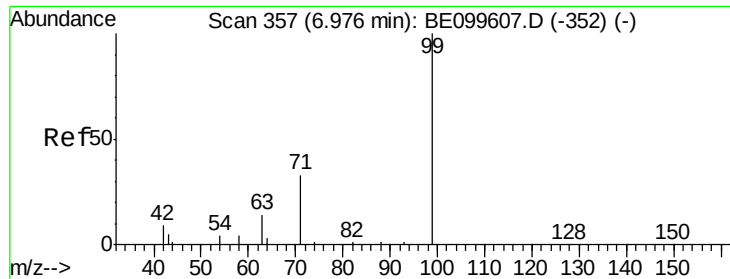


#4

2-Fluorophenol
 Concen: 0.293 ng
 RT: 5.38 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Tgt Ion	112	Resp	1513
Ion Ratio	Lower	Upper	
112	100		
64	52.6	43.7	65.5
63	128.1	94.0	141.0





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampled :

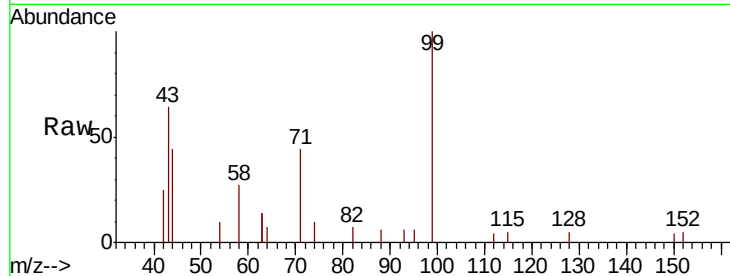
Tot Ion: 99 Resp: 2023

Ion Ratio Lower Upper

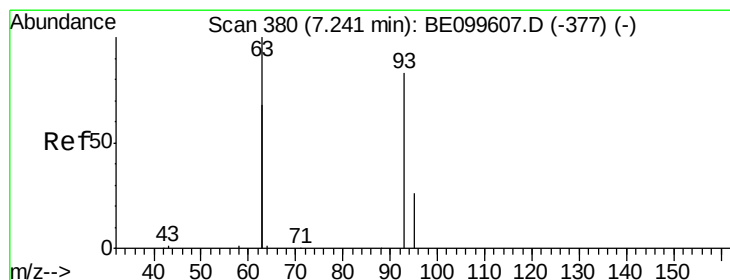
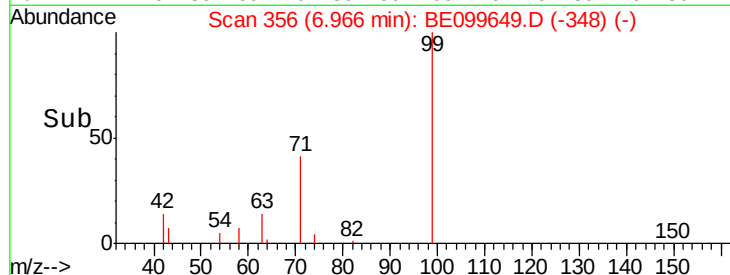
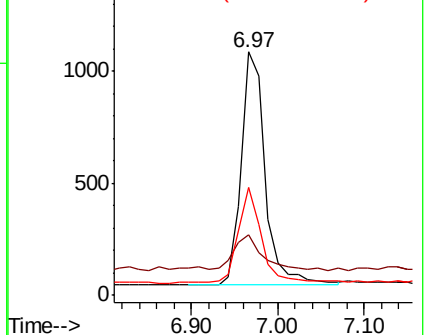
99 100

42 18.1 14.3 21.5

71 38.7 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: 0.295 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

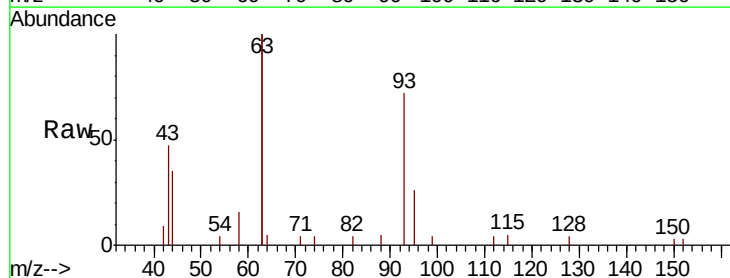
Tgt Ion: 93 Resp: 1619

Ion Ratio Lower Upper

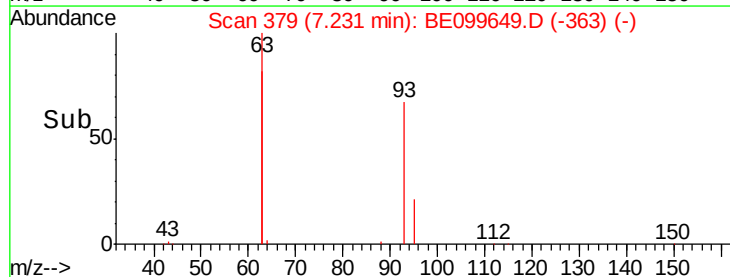
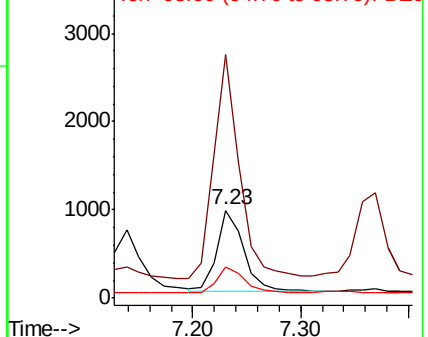
93 100

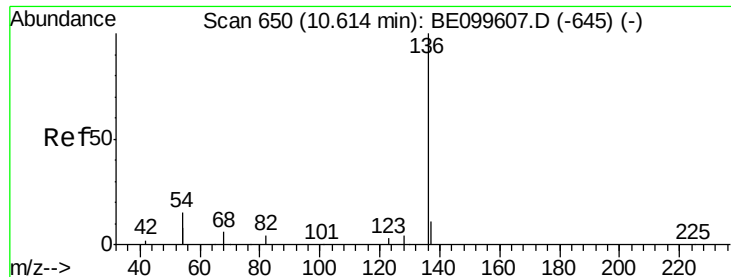
63 260.1 201.0 301.4

95 31.5 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: 10.62 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6187

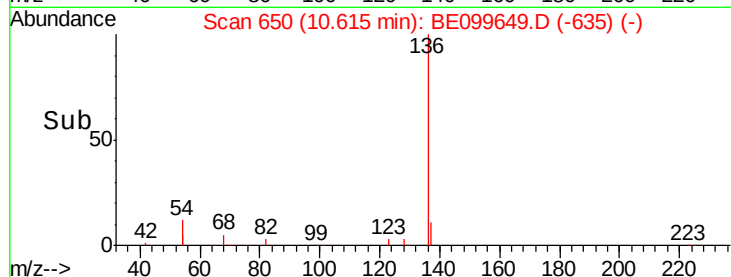
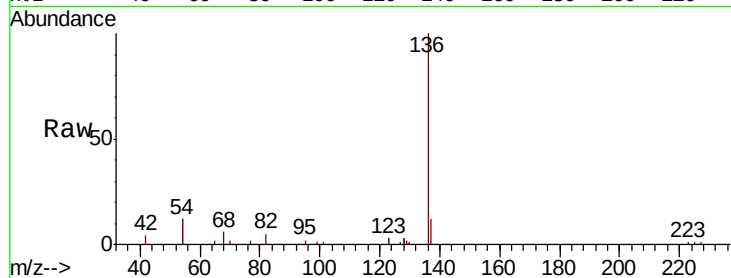
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 23.7 23.8 35.8#

68 6.2 6.2 9.2

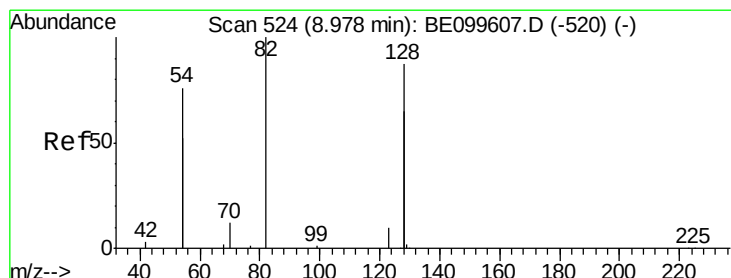
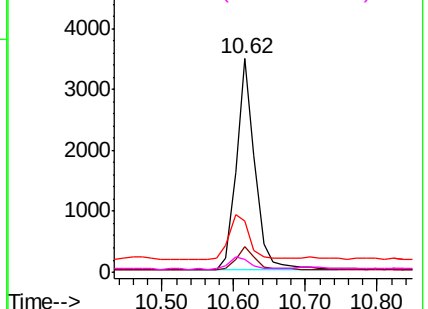


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.296 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

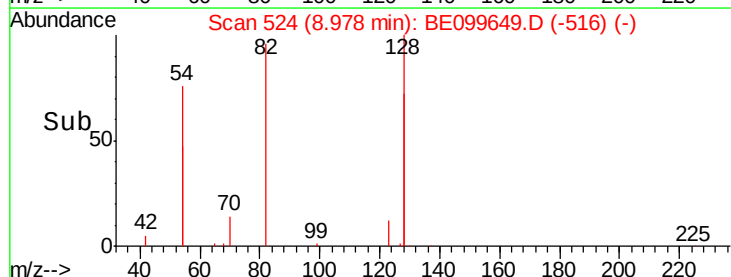
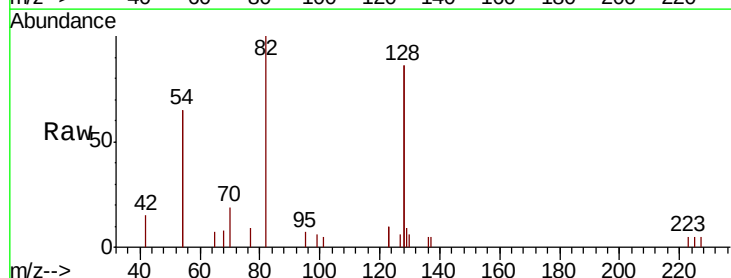
Tgt Ion: 82 Resp: 1773

Ion Ratio Lower Upper

82 100

128 172.7 131.4 197.2

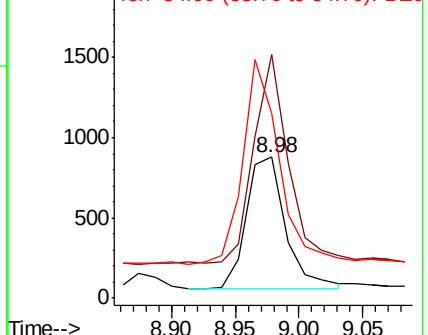
54 130.8 113.9 170.9

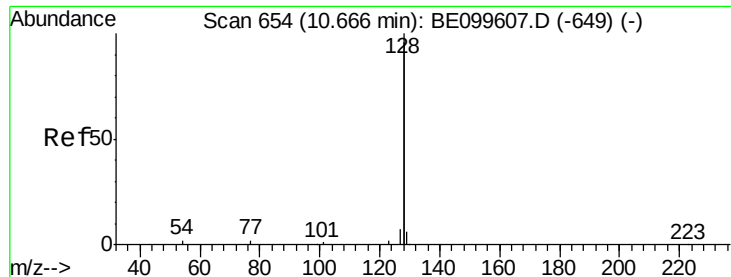


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.302 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

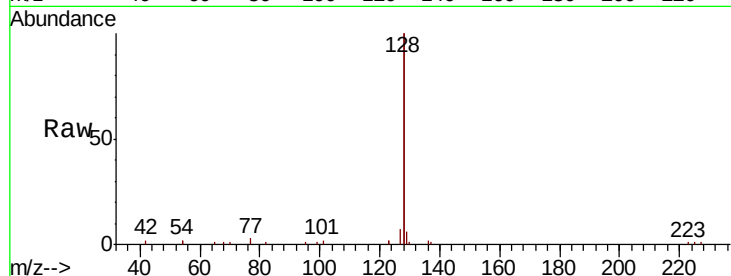
Tot Ion:128 Resp: 19851

Ion Ratio Lower Upper

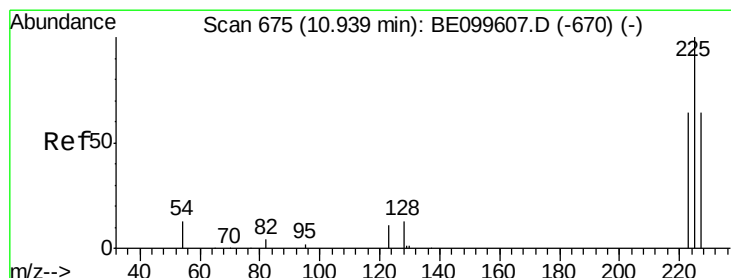
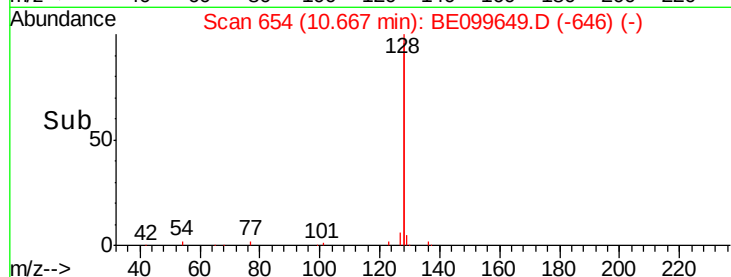
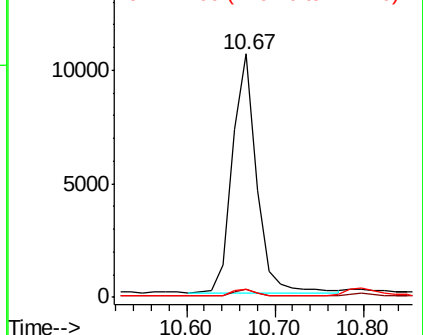
128 100

129 3.2 2.6 4.0

127 3.6 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: 0.279 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

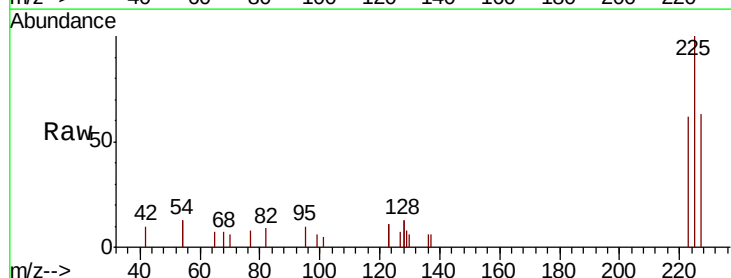
Tgt Ion:225 Resp: 1345

Ion Ratio Lower Upper

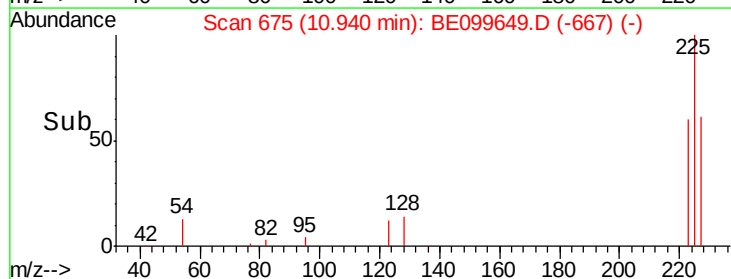
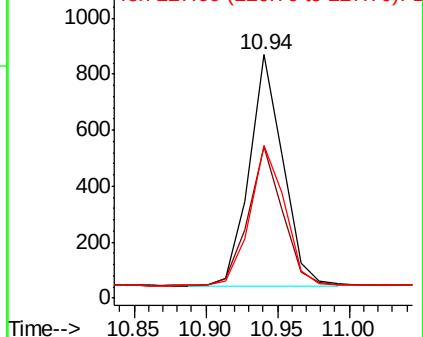
225 100

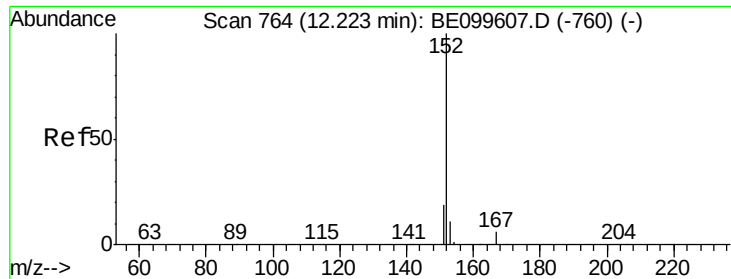
223 61.9 49.8 74.8

227 63.0 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

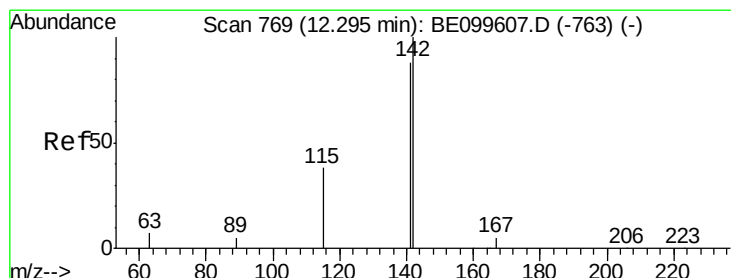
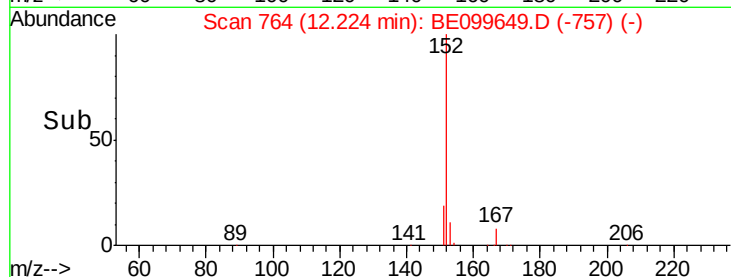
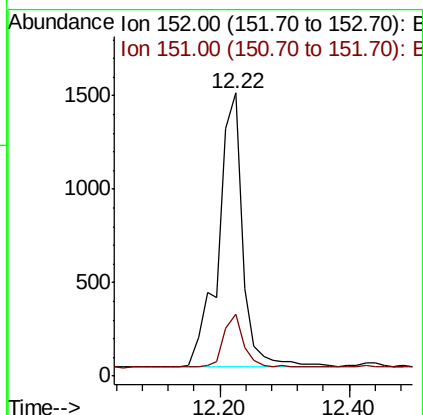
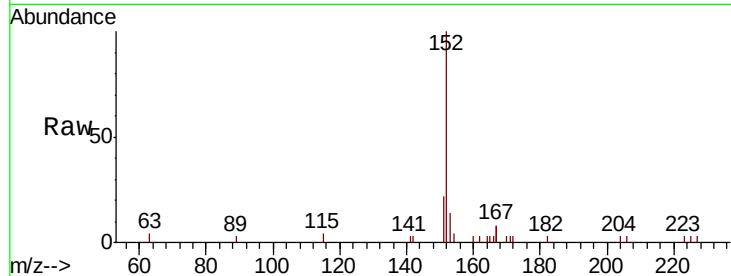




#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

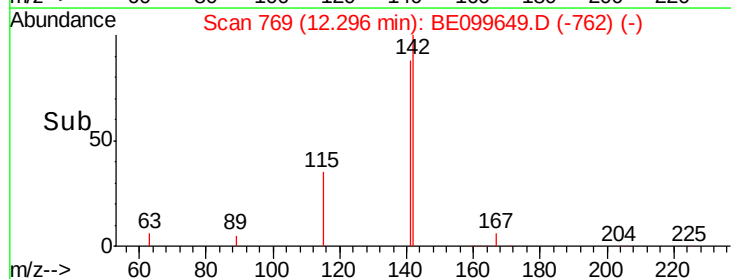
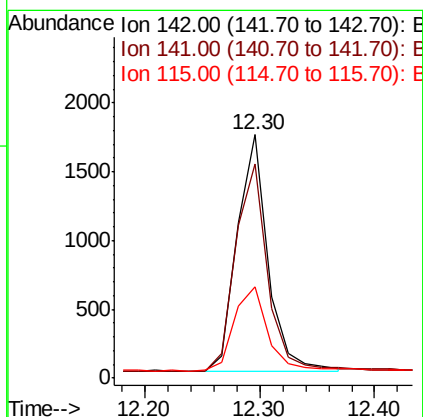
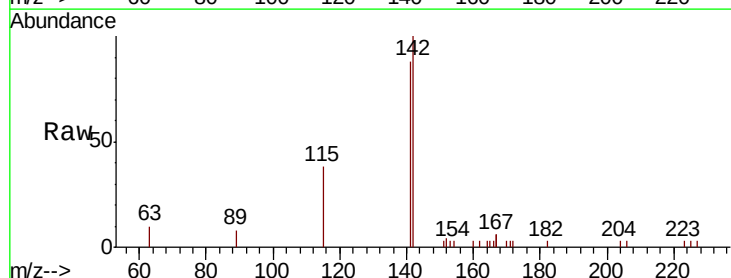
Instrument :
 BNA_E
 ClientSampleId :

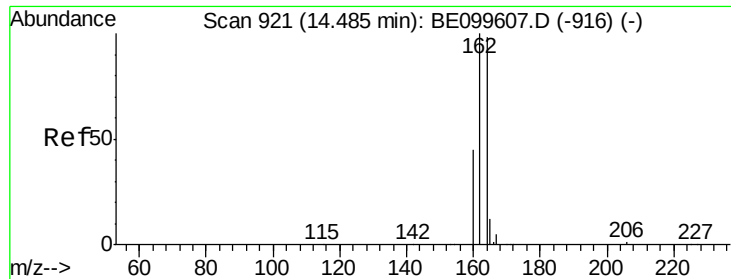
Tot Ion:152 Resp: 3793
 Ion Ratio Lower Upper
 152 100
 151 16.1 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.294 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Tgt Ion:142 Resp: 3200
 Ion Ratio Lower Upper
 142 100
 141 88.0 70.4 105.6
 115 37.7 32.2 48.4

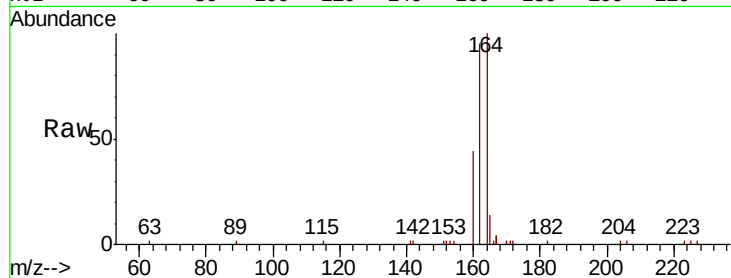




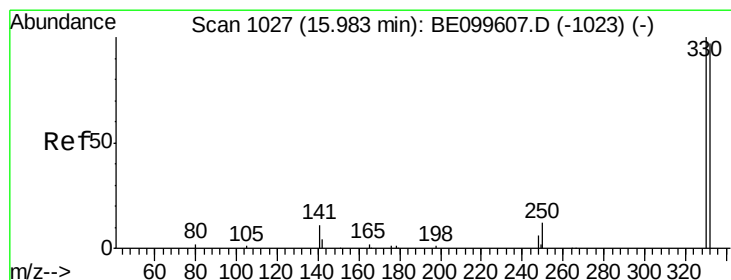
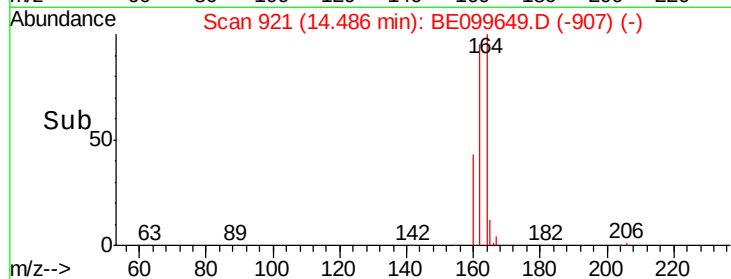
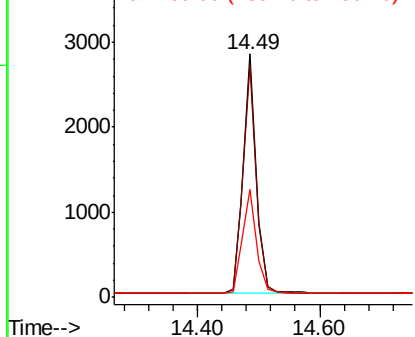
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4250
Ion Ratio Lower Upper
164 100
162 95.4 81.4 122.0
160 44.1 37.4 56.2

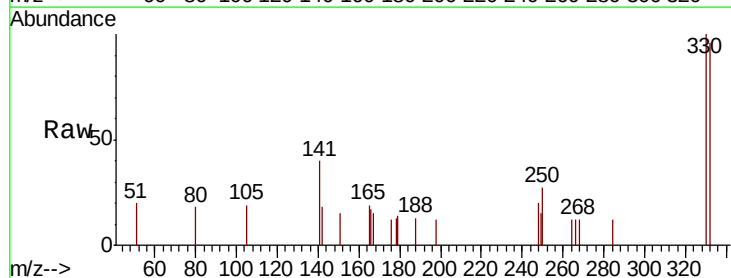


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

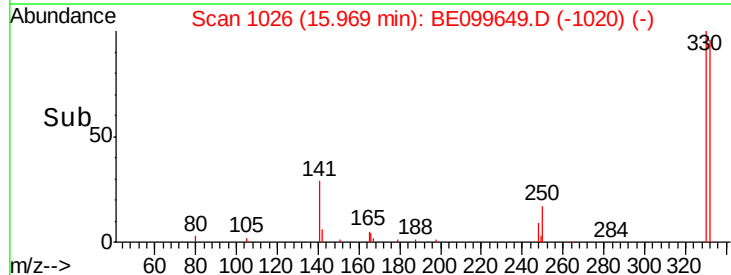
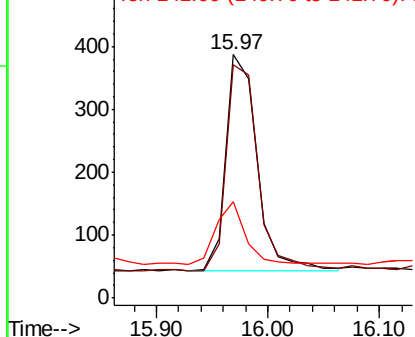


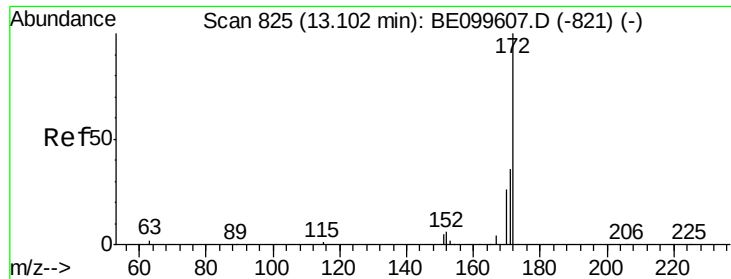
#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:330 Resp: 663
Ion Ratio Lower Upper
330 100
332 98.8 73.8 110.8
141 27.3 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

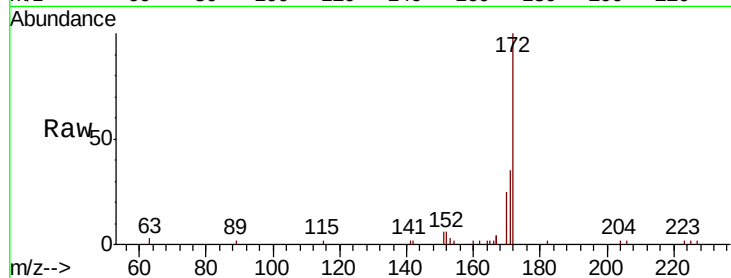




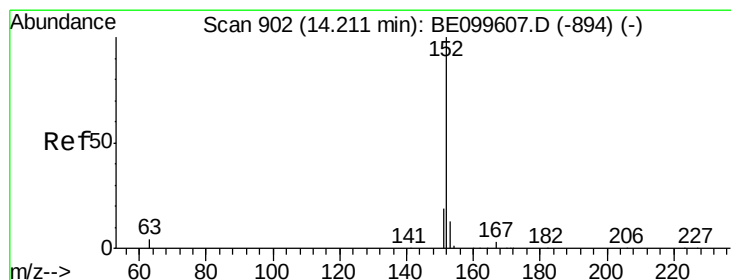
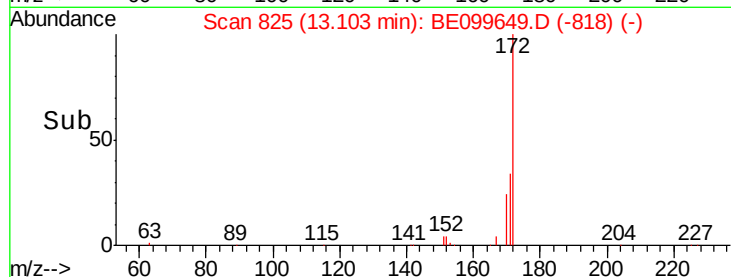
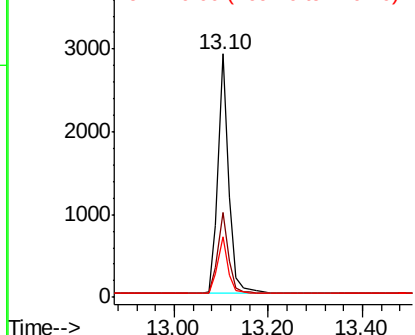
#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4634
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.2
170 25.0 21.5 32.3

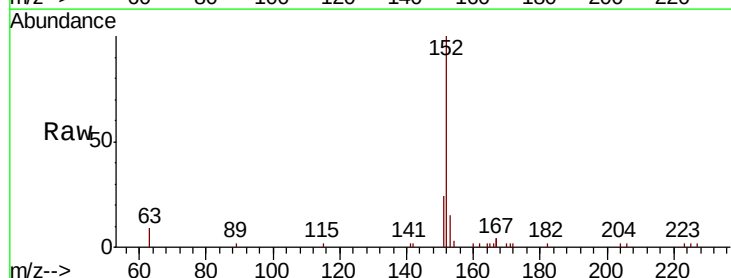


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

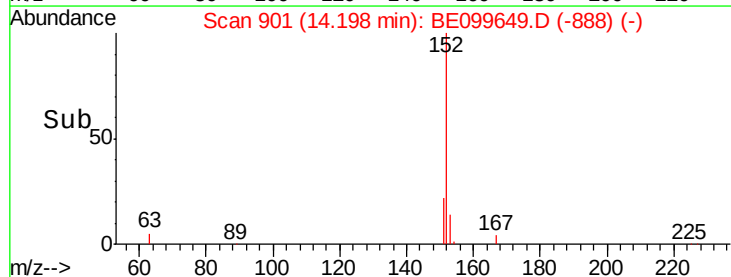
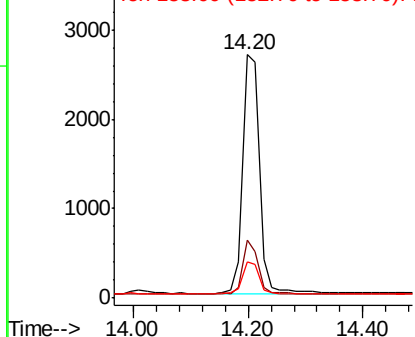


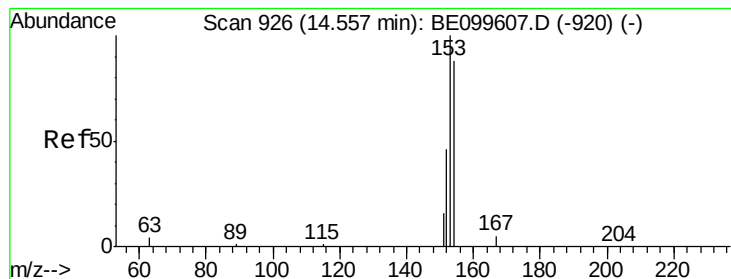
#16
Acenaphthylene
Concen: 0.272 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:152 Resp: 5452
Ion Ratio Lower Upper
152 100
151 20.4 15.6 23.4
153 12.9 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: 0.278 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

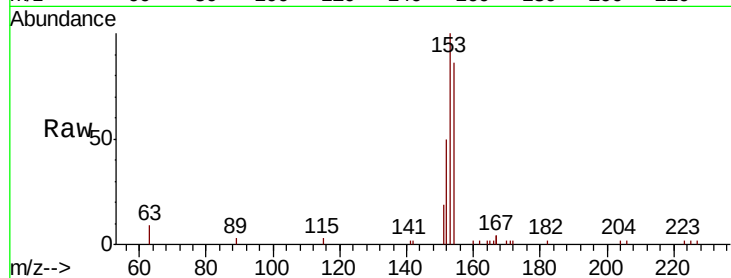
Tot Ion:154 Resp: 3149

Ion Ratio Lower Upper

154 100

153 117.5 94.1 141.1

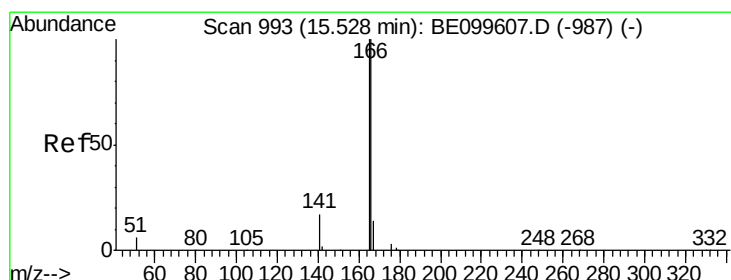
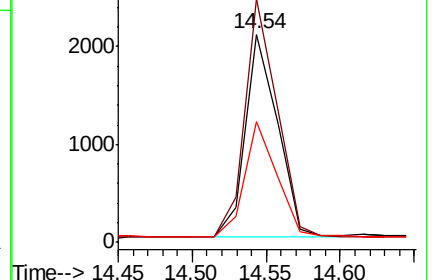
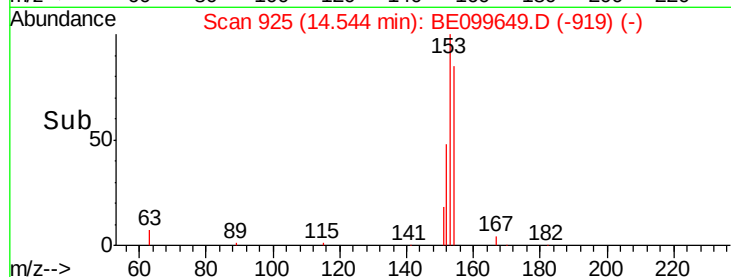
152 56.8 46.5 69.7



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: 0.275 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

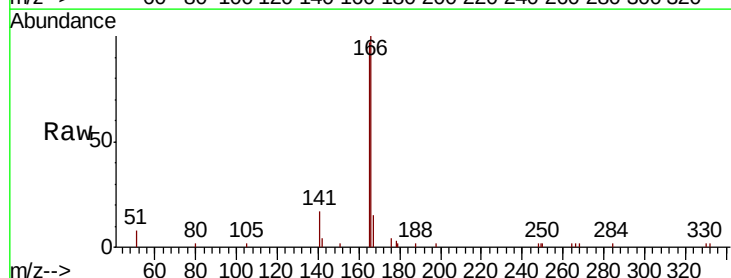
Tgt Ion:166 Resp: 4464

Ion Ratio Lower Upper

166 100

165 98.1 79.8 119.8

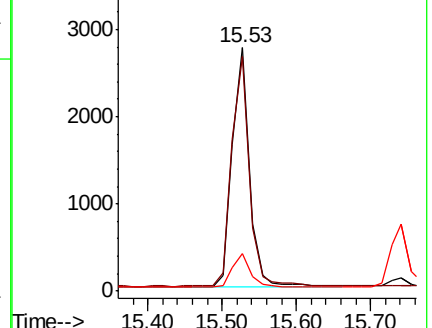
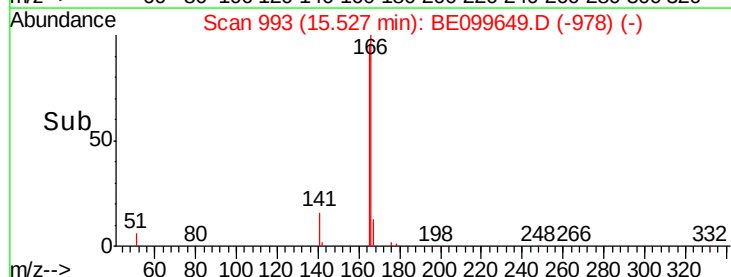
167 13.6 11.2 16.8

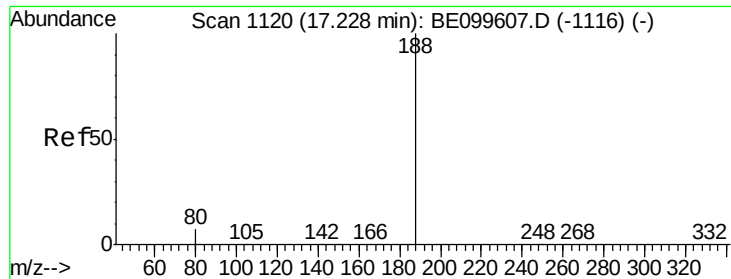


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

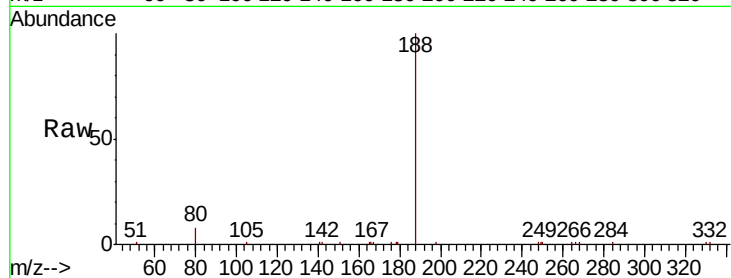
Tot Ion:188 Resp: 11707

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

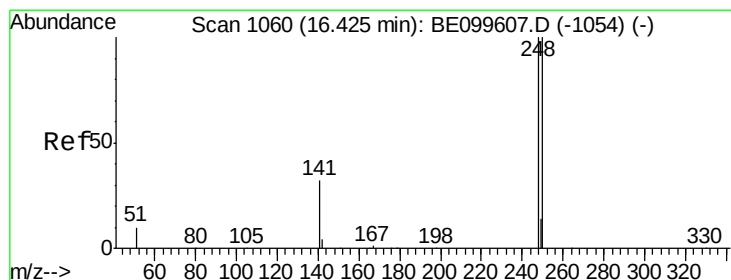
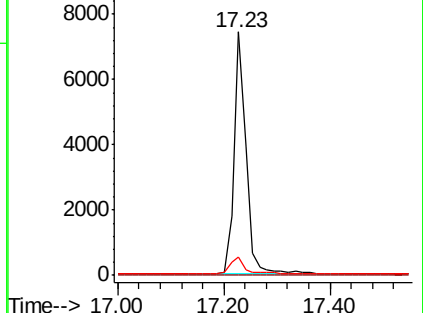
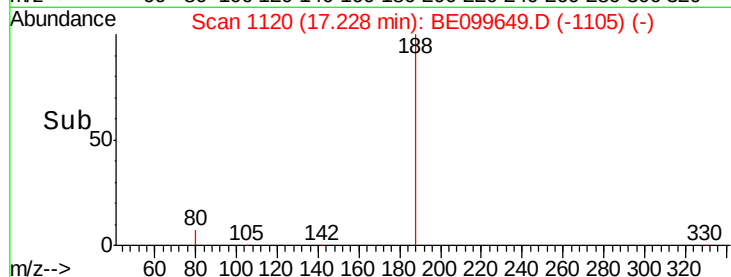
80 7.7 6.4 9.6



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: 0.283 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

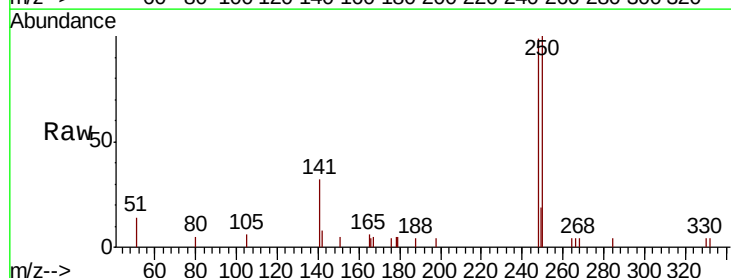
Tgt Ion:248 Resp: 1907

Ion Ratio Lower Upper

248 100

250 101.5 80.4 120.6

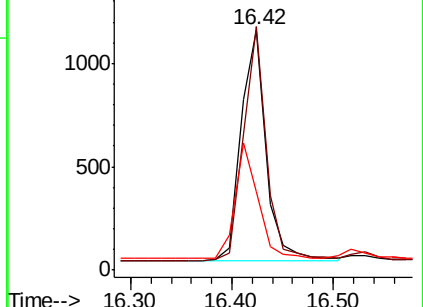
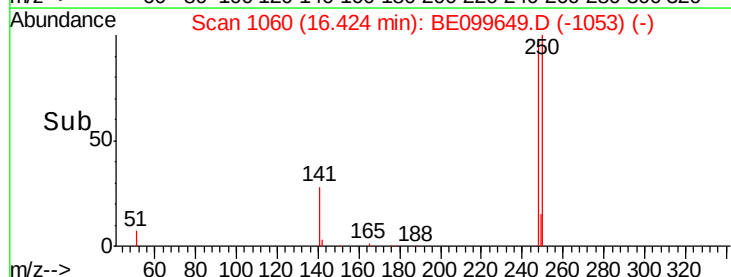
141 32.5 27.8 41.8

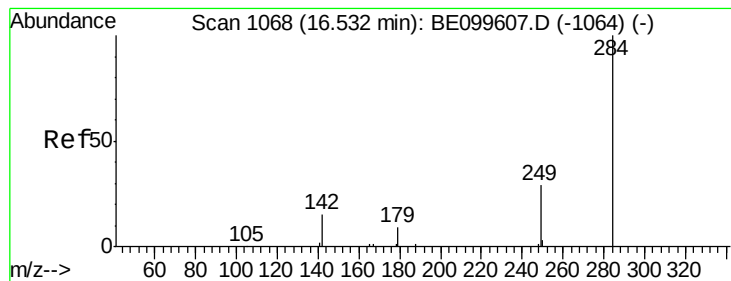


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.286 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

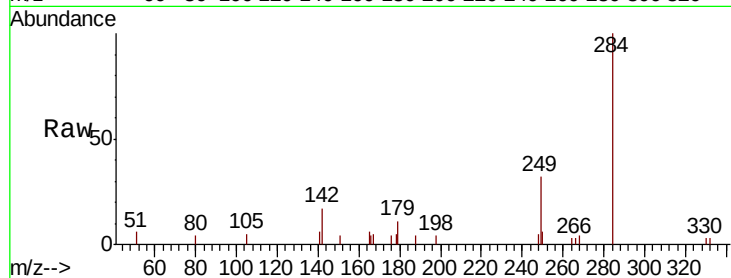
Tot Ion:284 Resp: 1895

Ion Ratio Lower Upper

284 100

142 24.4 19.4 29.2

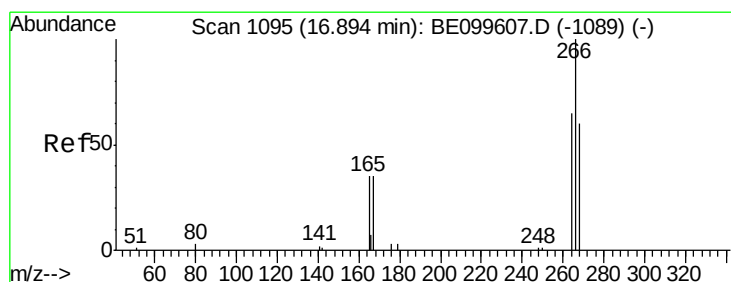
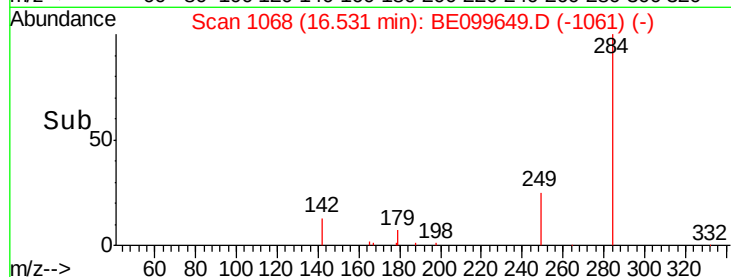
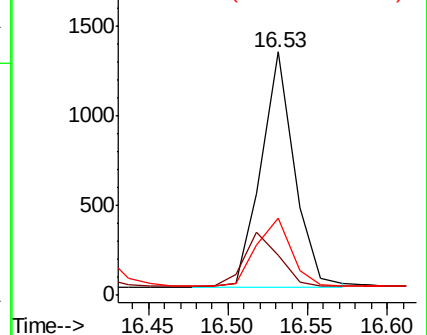
249 30.4 24.6 37.0



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: 0.611 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

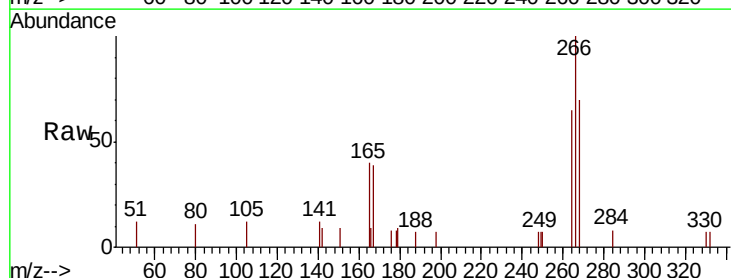
Tgt Ion:266 Resp: 1296

Ion Ratio Lower Upper

266 100

264 65.0 57.7 86.5

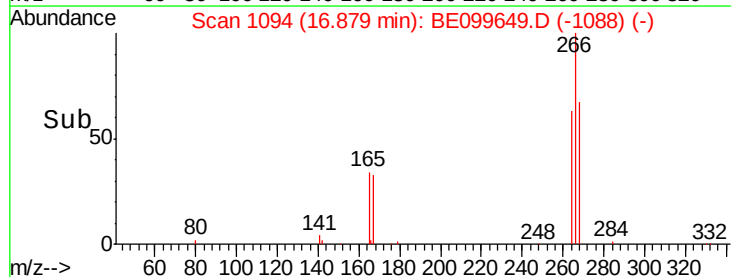
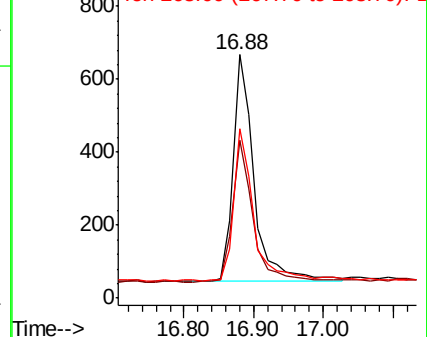
268 69.6 55.8 83.8

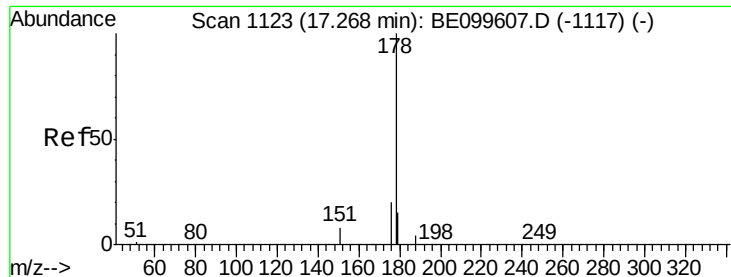


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.290 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

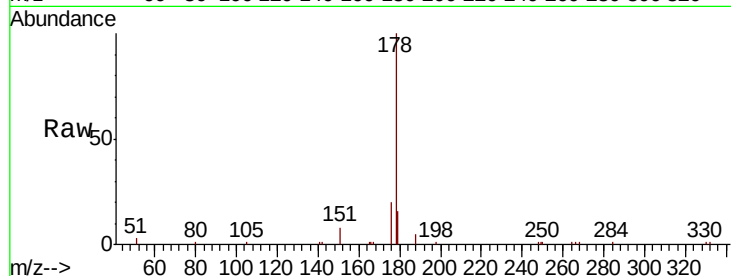
Tot Ion:178 Resp: 8434

Ion Ratio Lower Upper

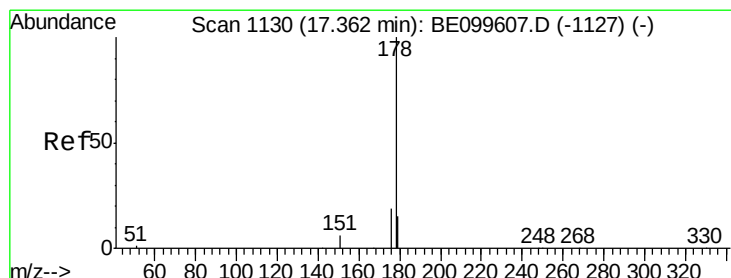
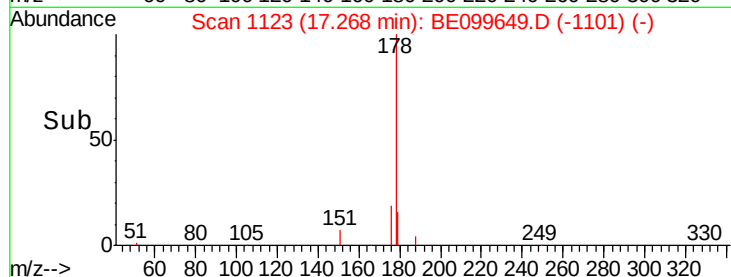
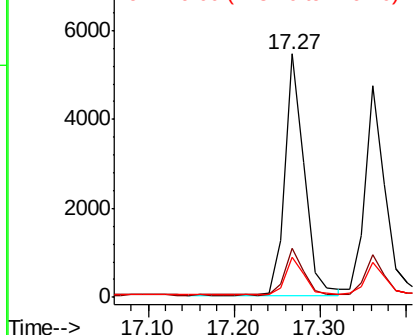
178 100

176 19.0 15.7 23.5

179 15.8 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: 0.277 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

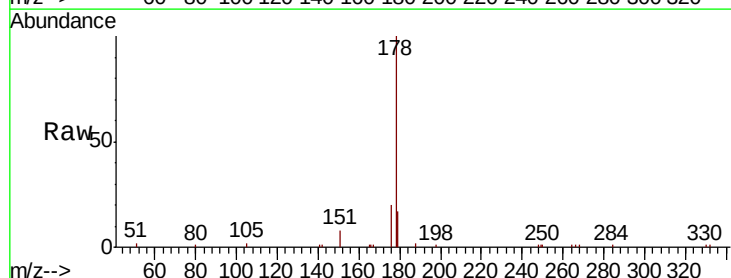
Tgt Ion:178 Resp: 7415

Ion Ratio Lower Upper

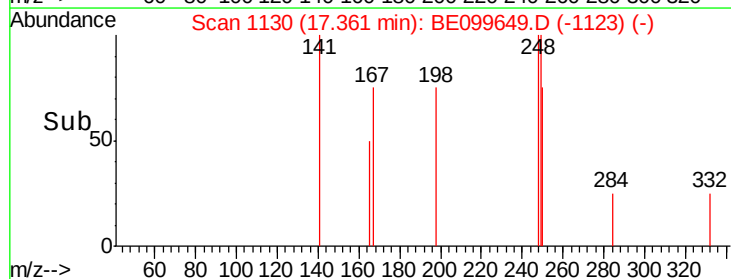
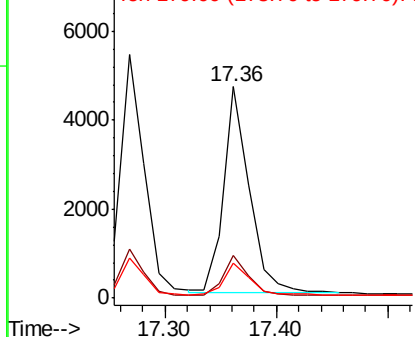
178 100

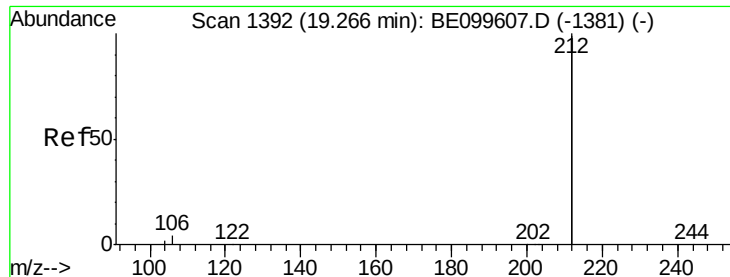
176 18.6 15.2 22.8

179 15.1 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: 0.274 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

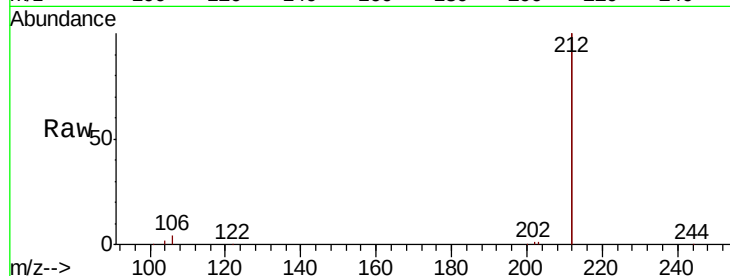
Tot Ion:212 Resp: 42715

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

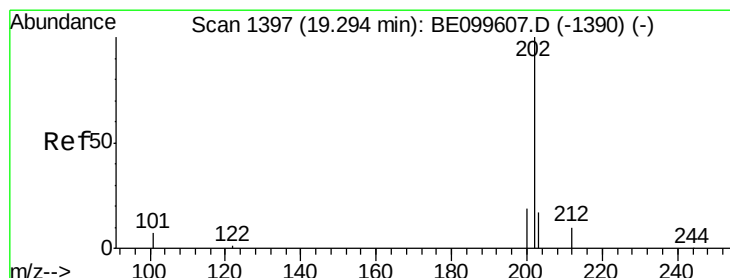
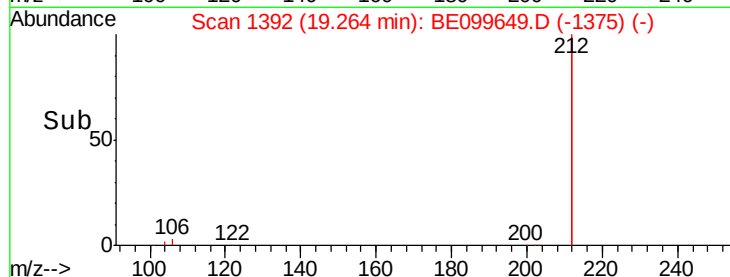
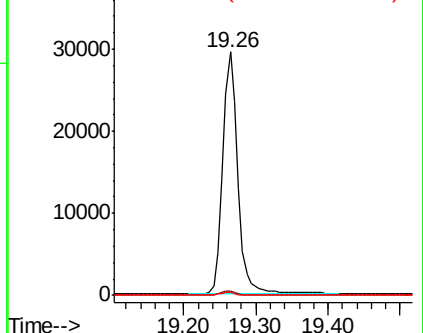
104 1.1 0.9 1.3



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: 0.297 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

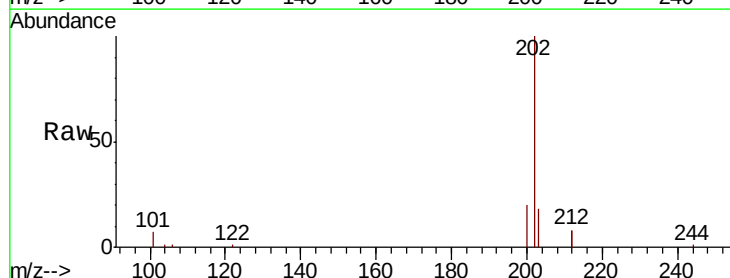
Tgt Ion:202 Resp: 13074

Ion Ratio Lower Upper

202 100

101 6.9 5.0 7.6

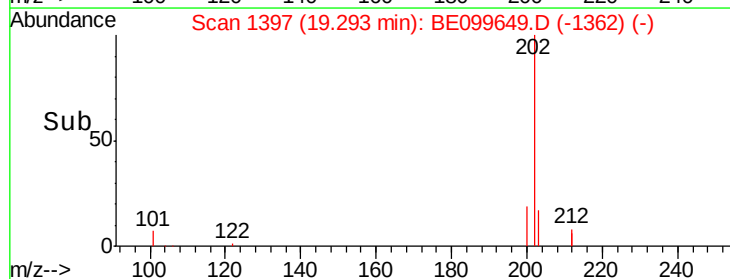
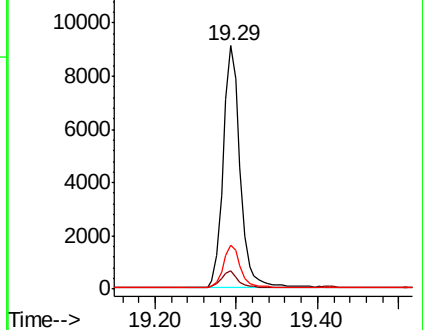
203 17.1 13.7 20.5

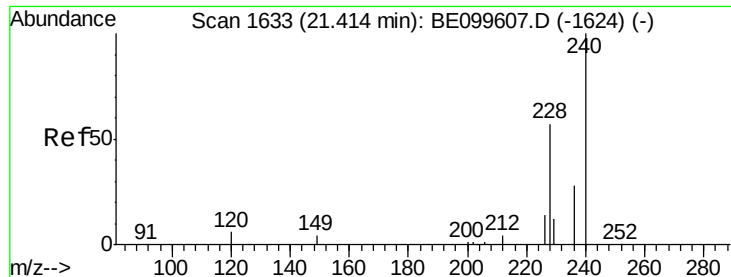


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

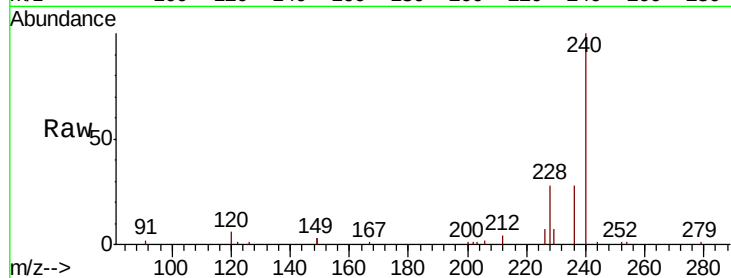




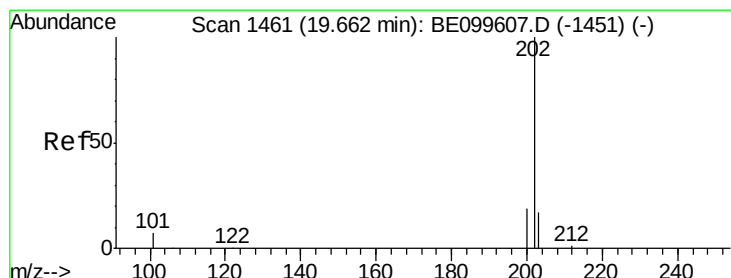
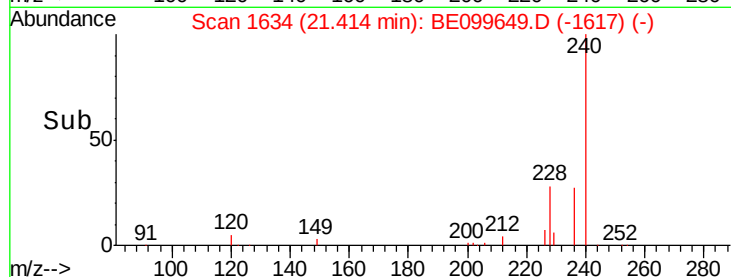
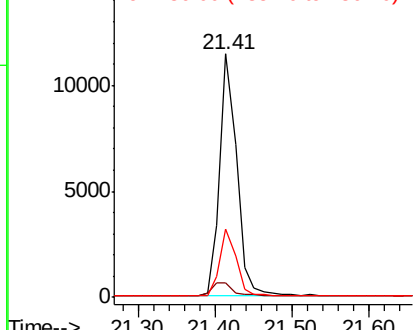
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 17774
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.7 8.5
 236 27.8 22.8 34.2

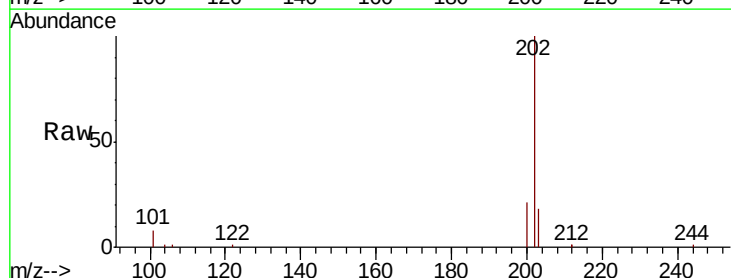


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

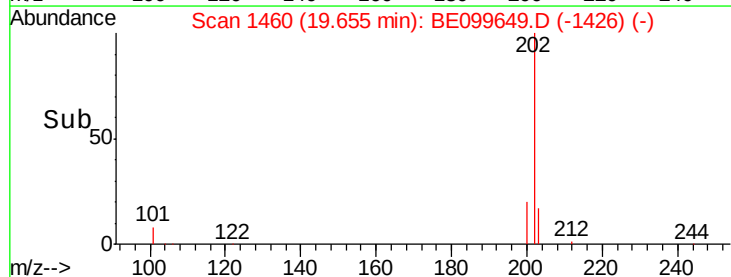
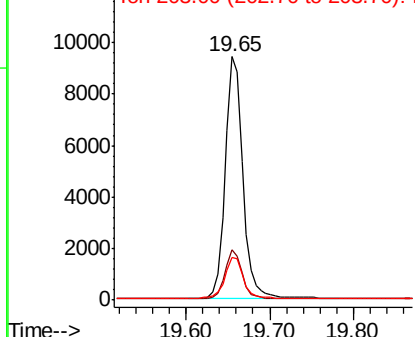


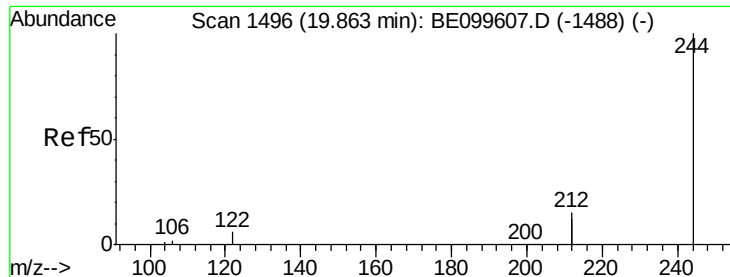
#28
 Pyrene
 Concen: 0.304 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Tgt Ion:202 Resp: 13753
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.8 23.6
 203 17.9 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: 0.272 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampled :

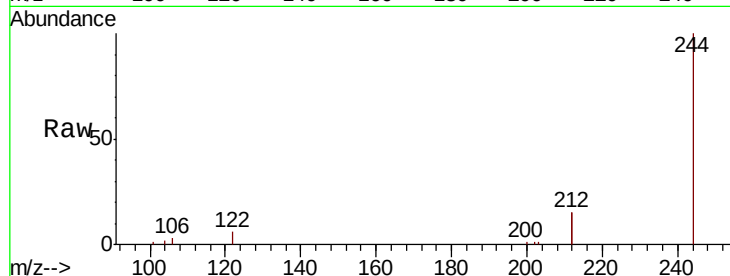
Tot Ion:244 Resp: 8715

Ion Ratio Lower Upper

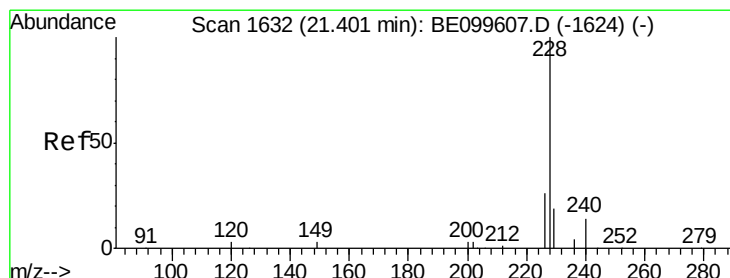
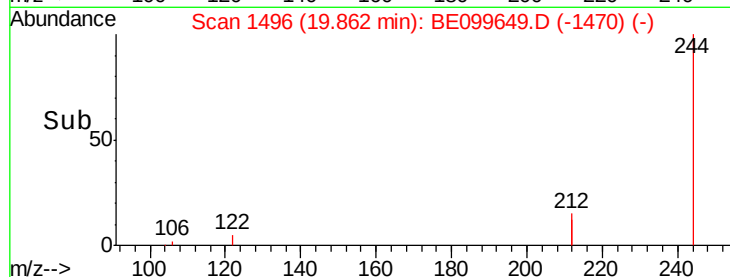
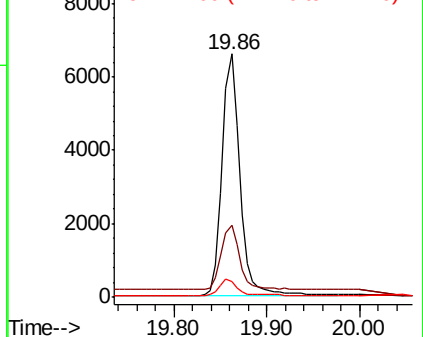
244 100

212 29.8 23.8 35.6

122 6.2 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: 0.305 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

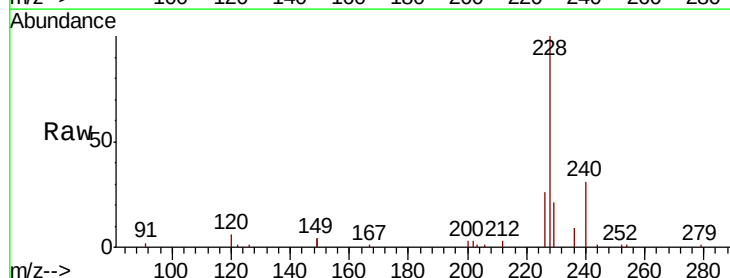
Tgt Ion:228 Resp: 16390

Ion Ratio Lower Upper

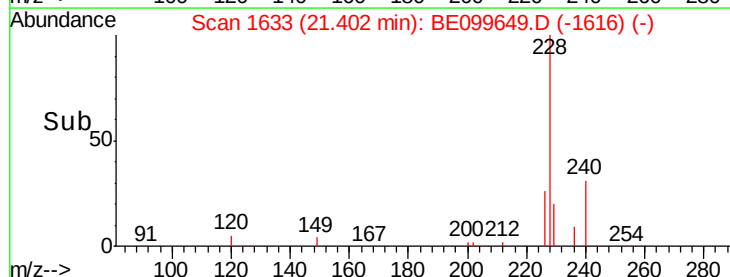
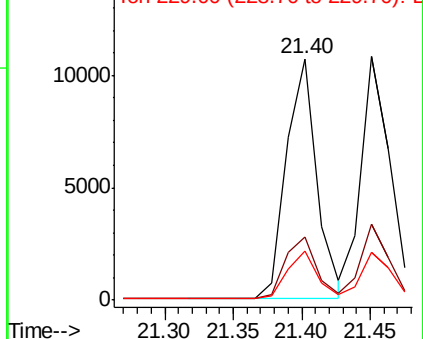
228 100

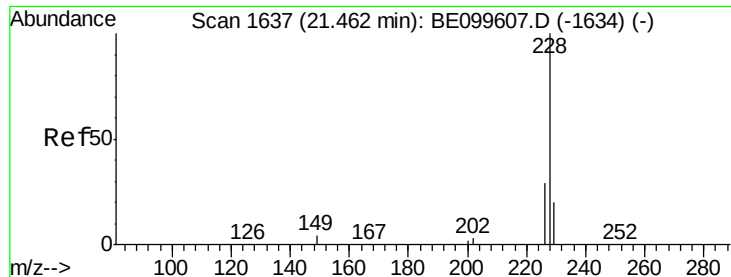
226 26.0 21.4 32.2

229 20.6 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: 0.289 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampled :

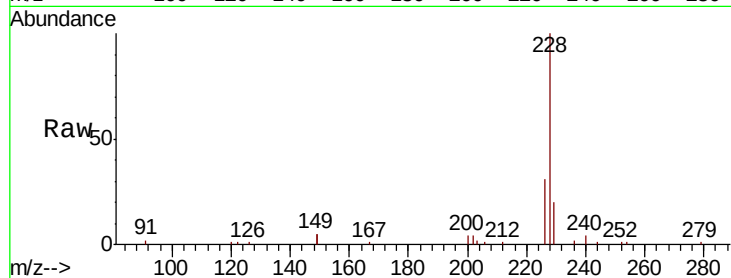
Tot Ion:228 Resp: 16007

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 19.8 16.4 24.6

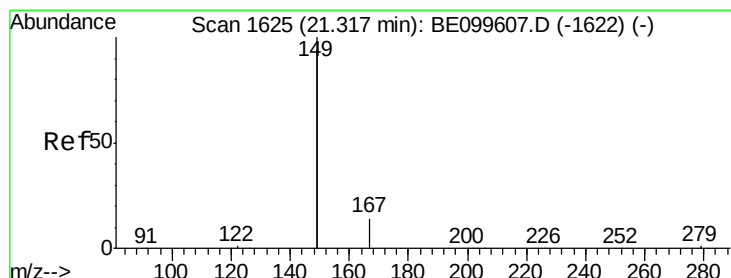
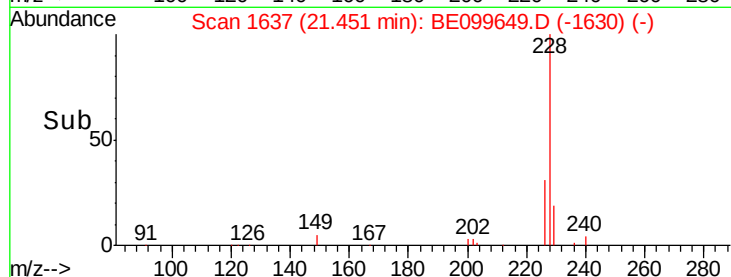
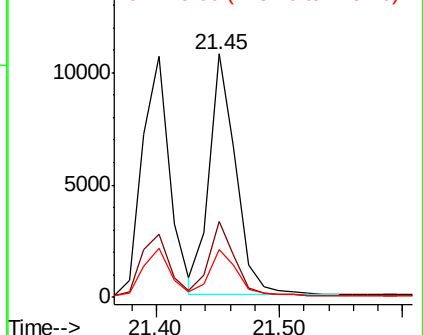


Abundance

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: 0.383 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

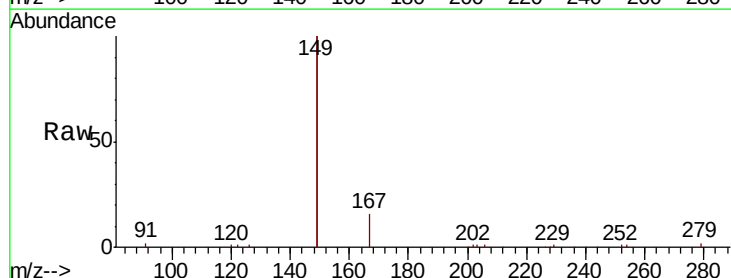
Tgt Ion:149 Resp: 31757

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

279 1.3 1.1 1.7

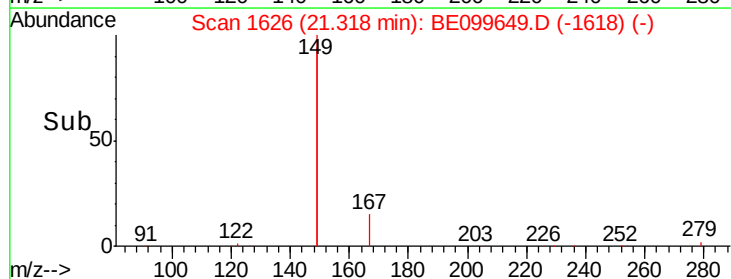
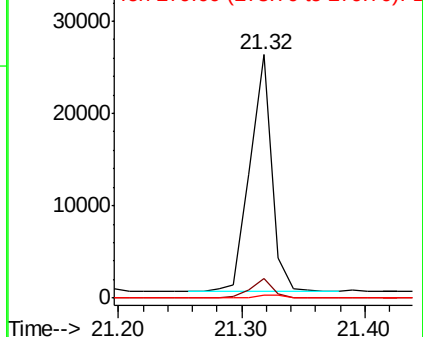


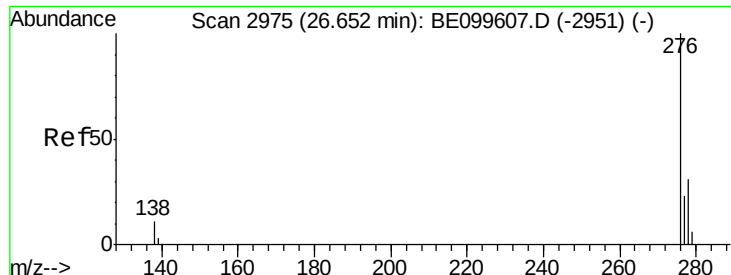
Abundance

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

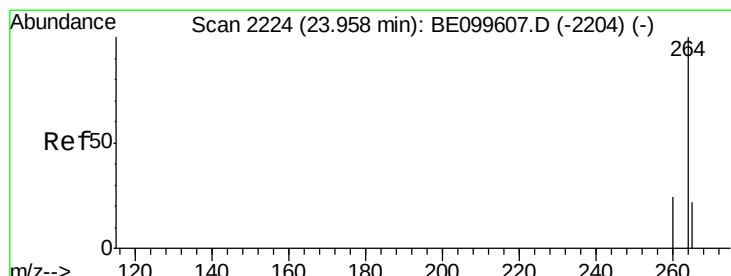
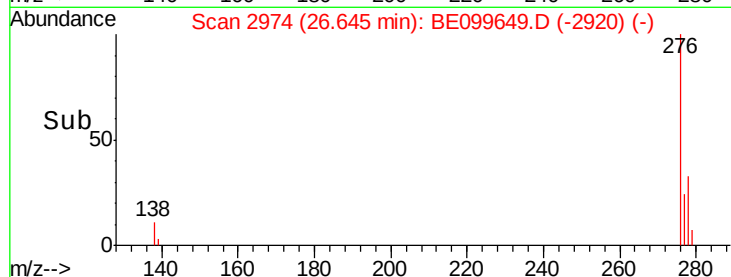
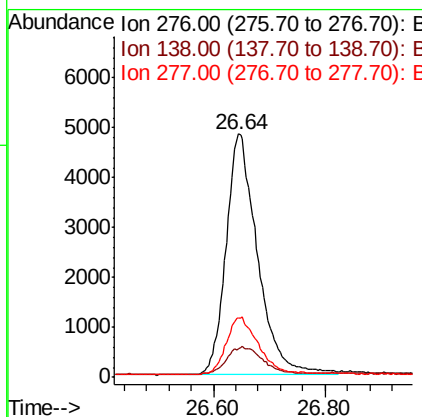
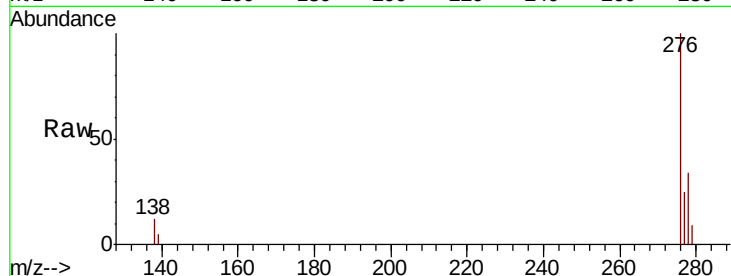




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.274 ng
 RT: 26.64 min Scan# 2974
 Delta R.T. -0.01 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

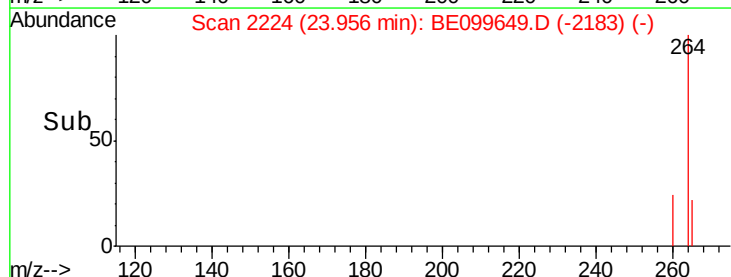
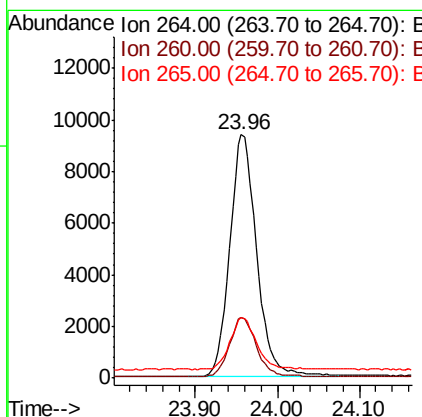
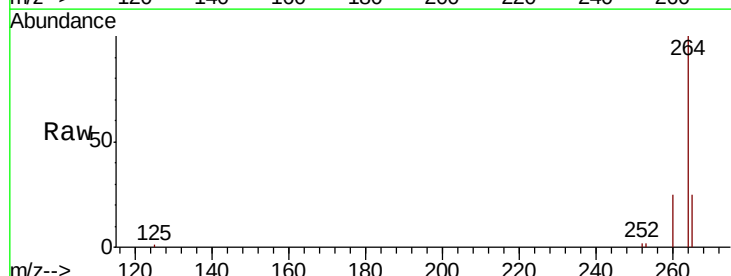
Instrument :
 BNA_E
 ClientSampleId :

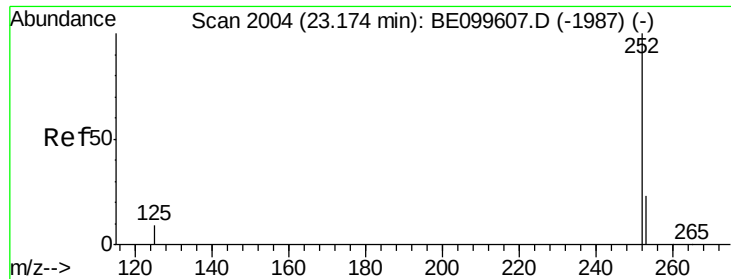
Tot Ion:276 Resp: 18841
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.0 15.0
 277 23.6 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: BE099649.D
 Acq: 17 May 2019 13:15

Tgt Ion:264 Resp: 21362
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.7 29.5
 265 25.1 21.2 31.8

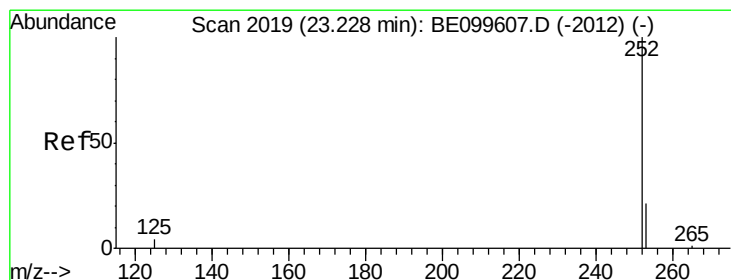
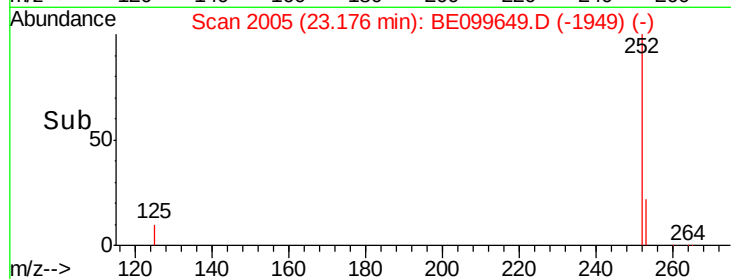
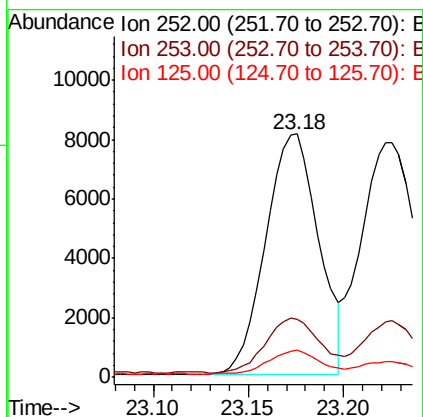
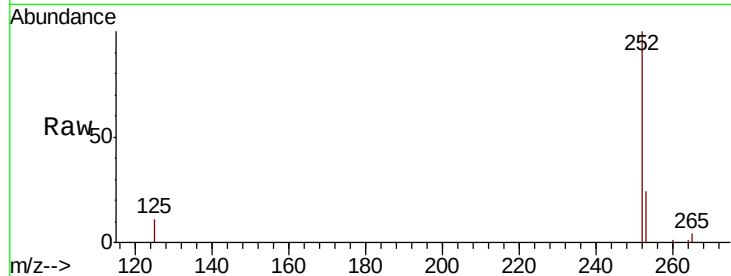




#35
Benzo(b)fluoranthene
Concen: 0.263 ng
RT: 23.18 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

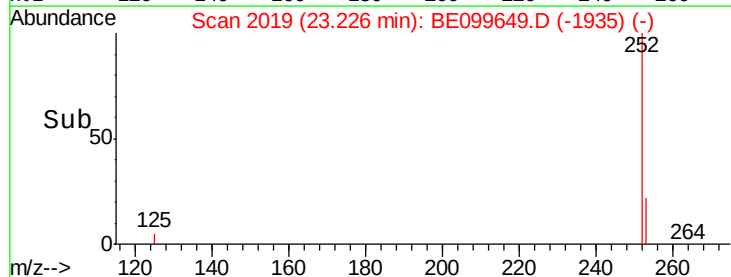
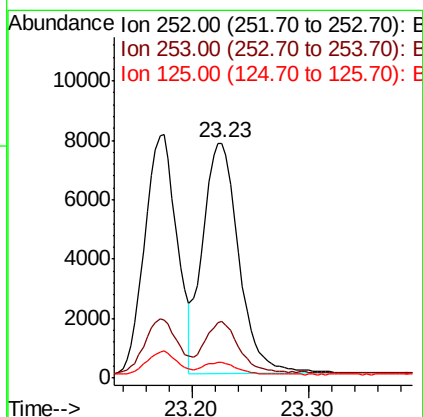
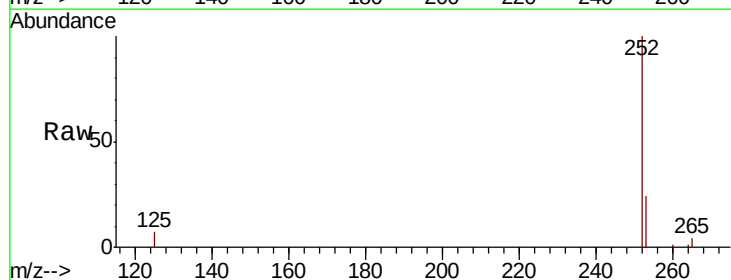
Instrument :
BNA_E
ClientSampled :

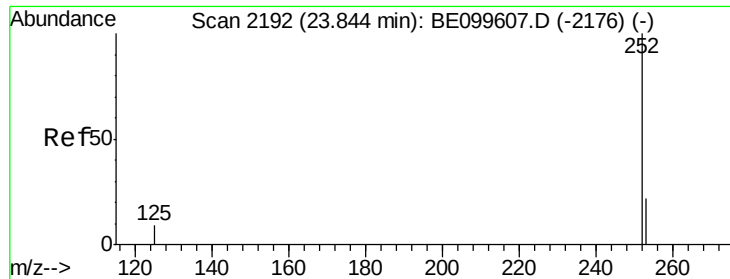
Tot Ion:252 Resp: 15736
Ion Ratio Lower Upper
252 100
253 23.8 19.1 28.7
125 11.0 7.8 11.8



#36
Benzo(k)fluoranthene
Concen: 0.284 ng
RT: 23.23 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099649.D
Acq: 17 May 2019 13:15

Tgt Ion:252 Resp: 16725
Ion Ratio Lower Upper
252 100
253 23.9 18.6 28.0
125 6.7 5.2 7.8





#37

Benzo(a)pyrene

Concen: 0.273 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

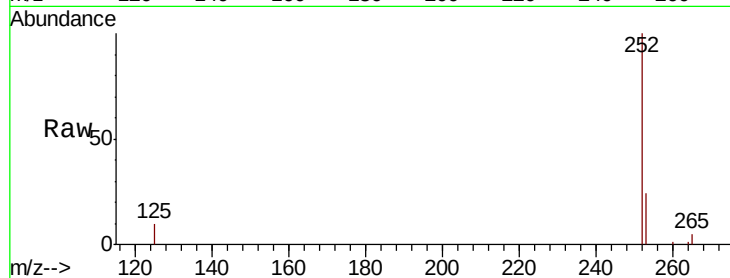
Tot Ion:252 Resp: 15805

Ion Ratio Lower Upper

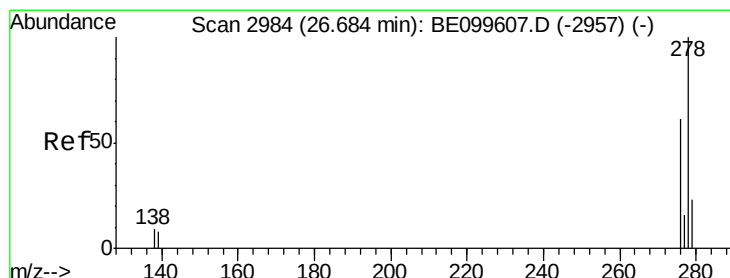
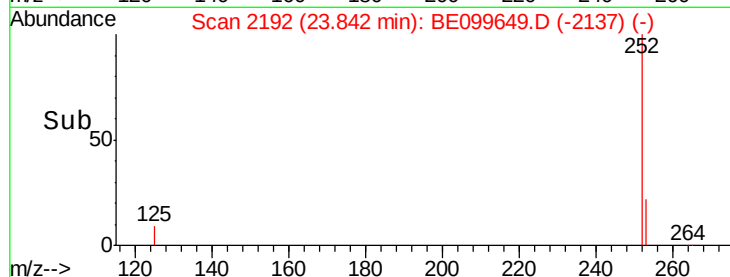
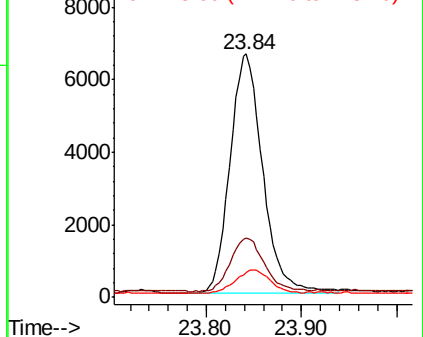
252 100

253 24.3 19.0 28.6

125 10.2 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: 0.257 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

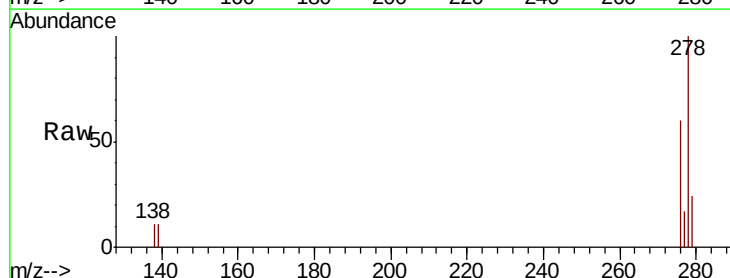
Tgt Ion:278 Resp: 15438

Ion Ratio Lower Upper

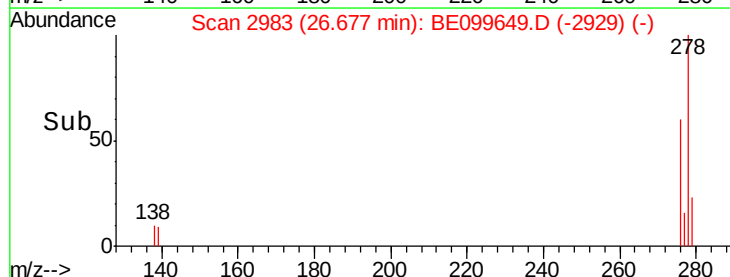
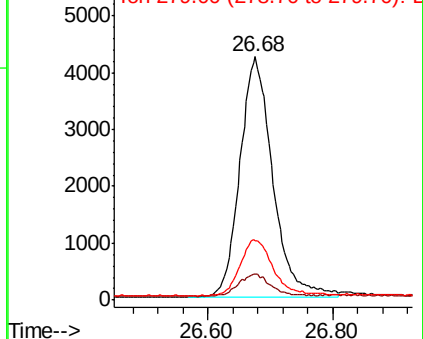
278 100

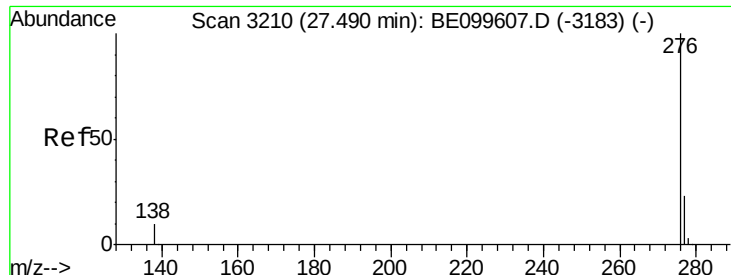
139 10.9 7.9 11.9

279 24.4 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: 0.266 ng

RT: 27.48 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE099649.D

Acq: 17 May 2019 13:15

Instrument :

BNA_E

ClientSampleId :

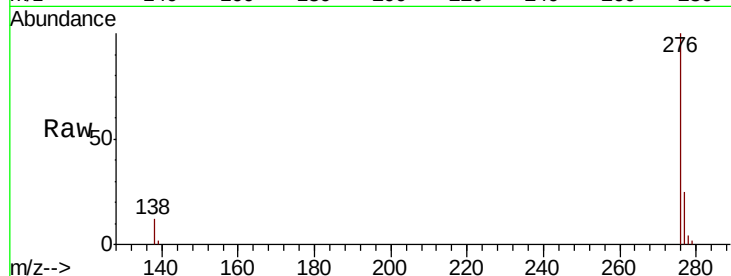
Tot Ion:276 Resp: 16032

Ion Ratio Lower Upper

276 100

277 24.6 19.3 28.9

138 11.8 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

