

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099210.D
 Acq On : 26 Mar 2019 11:09
 Operator : JU/SJ
 Sample : K2073-02MSRE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 26 11:53:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3391	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13866	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10566	0.40	ng	-0.01
19) Phenanthrene-d10	17.31	188	8648	0.40	ng	0.09
27) Chrysene-d12	21.38	240	37492	0.40	ng	-0.01
34) Perylene-d12	23.89	264	34468	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	1728	0.17	ng	0.00
5) Phenol-d6	6.99	99	1626	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	4361	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13926	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1730	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	17168	0.40	ng	0.00
25) Fluoranthene-d10	19.60	212	42975	0.41	ng	0.36
29) Terphenyl-d14	19.83	244	31926	0.39	ng	0.00

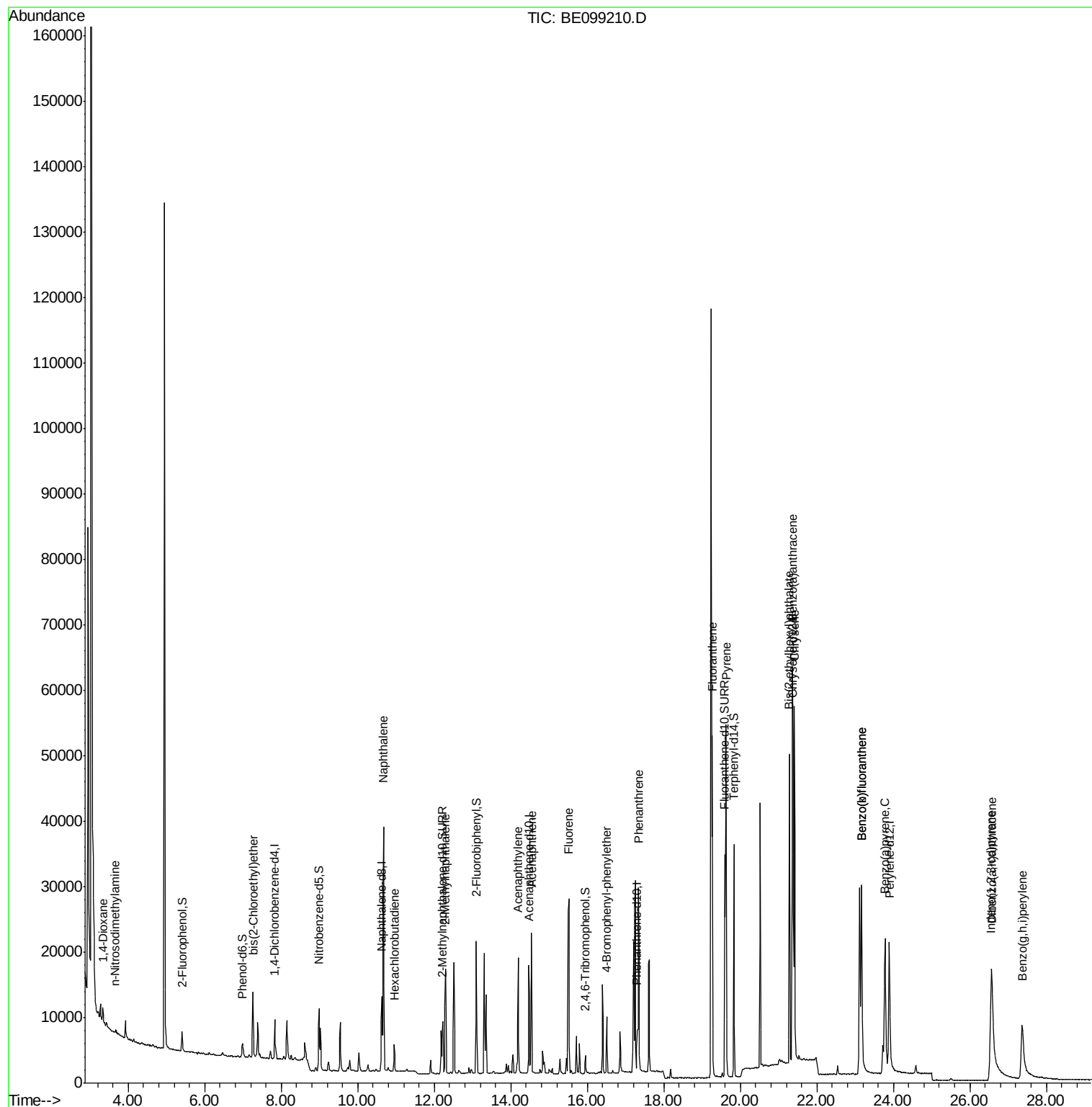
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1507	0.337	ng	# 76
3) n-Nitrosodimethylamine	3.67	42	530	0.212	ng	# 64
6) bis(2-Chloroethyl)ether	7.26	93	4364	0.359	ng	99
9) Naphthalene	10.68	128	60237	0.368	ng	100
10) Hexachlorobutadiene	10.95	225	2899	0.333	ng	96
12) 2-Methylnaphthalene	12.30	142	11237	0.384	ng	99
16) Acenaphthylene	14.20	152	19510	0.362	ng	100
17) Acenaphthene	14.54	154	12313	0.382	ng	97
18) Fluorene	15.51	166	18278	0.403	ng	99
20) 4-Bromophenyl-phenylether	16.50	248	199	0.036	ng	# 40
23) Phenanthrene	17.33	178	31897	1.256	ng	99
26) Fluoranthene	19.26	202	45092	1.391	ng	100
28) Pyrene	19.63	202	47741	0.383	ng	100
30) Benzo(a)anthracene	21.37	228	47076	0.381	ng	99
31) Chrysene	21.41	228	48232	0.365	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	60596	0.411	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	39186	0.313	ng	98
35) Benzo(b)fluoranthene	23.17	252	47632	0.420	ng	98
36) Benzo(k)fluoranthene	23.17	252	48152	0.402	ng	98
37) Benzo(a)pyrene	23.78	252	42055	0.397	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	33213	0.353	ng	98
39) Benzo(g,h,i)perylene	27.37	276	29864	0.316	ng	99

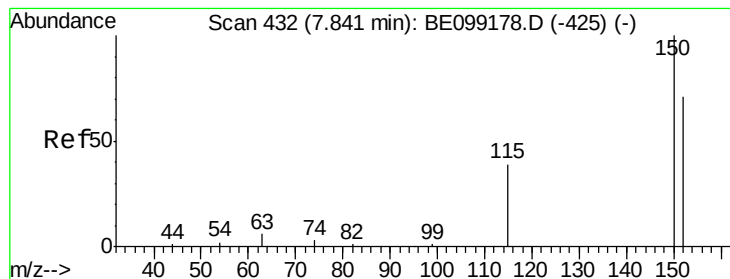
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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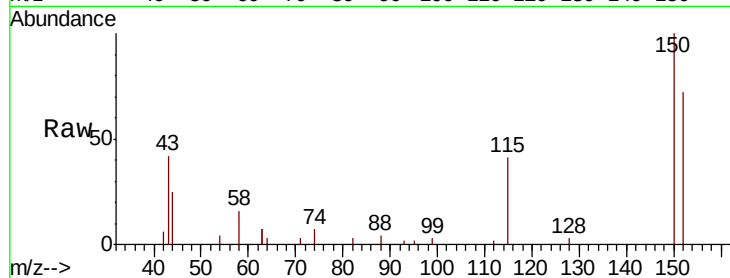


#1

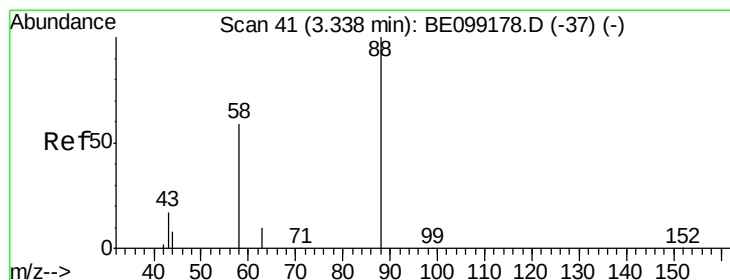
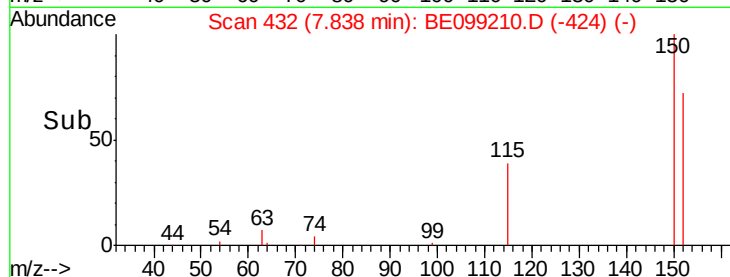
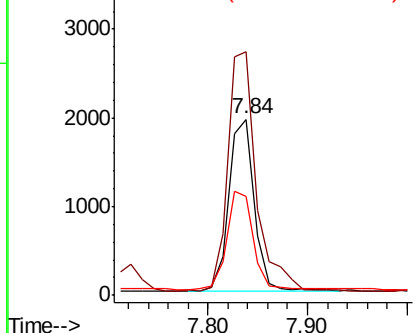
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3391
Ion Ratio Lower Upper
152 100
150 138.0 112.8 169.2
115 56.3 45.1 67.7



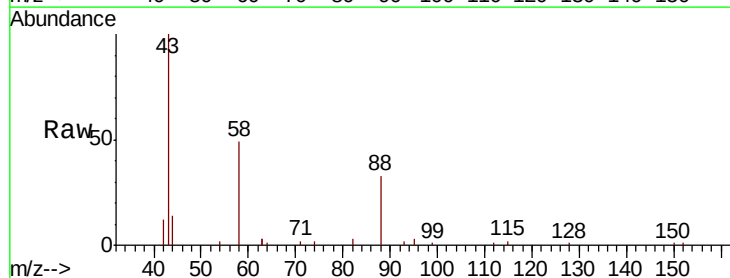
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



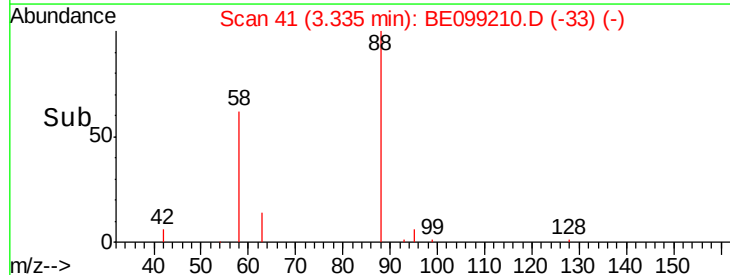
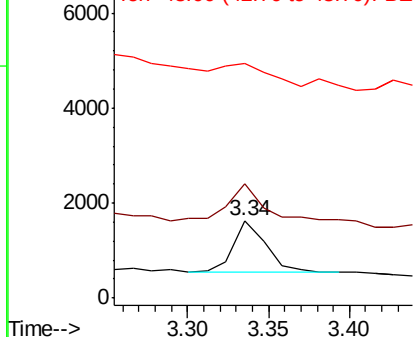
#2

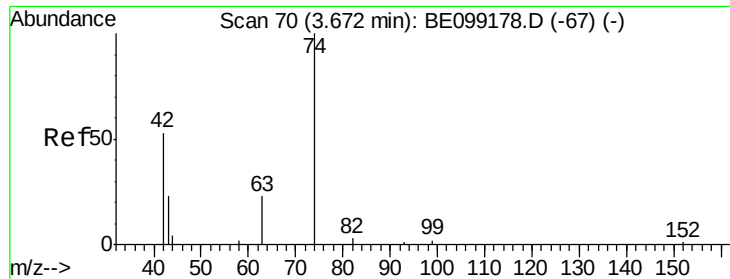
1,4-Dioxane
Concen: 0.337 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion: 88 Resp: 1507
Ion Ratio Lower Upper
88 100
58 72.3 47.4 71.0#
43 0.0 15.6 23.4#



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



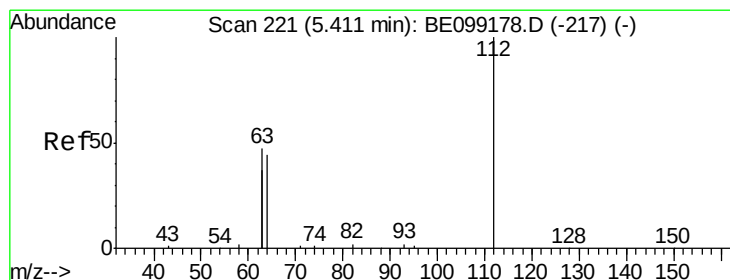
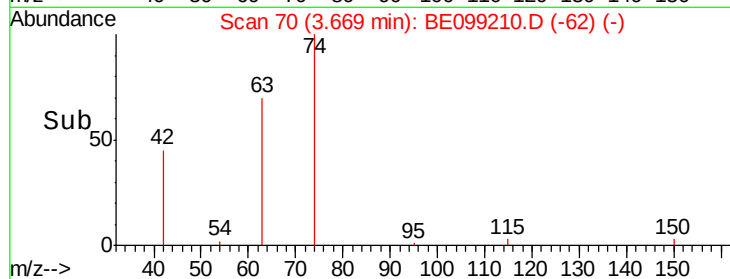
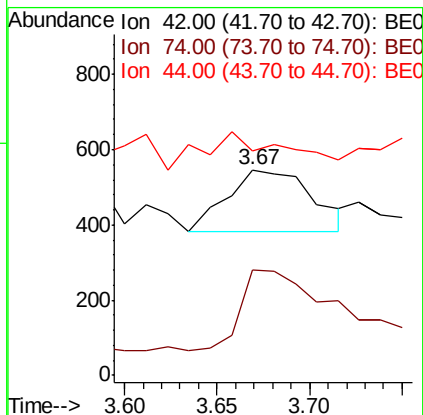
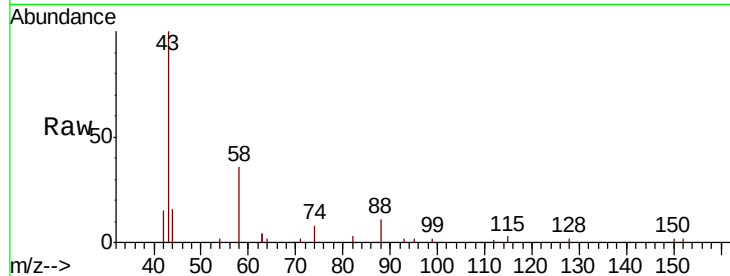


#3

n-Nitrosodimethylamine
 Concen: 0.212 ng
 RT: 3.67 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: BE099210.D
 Acq: 26 Mar 2019 11:09

Instrument :
 BNA_E
 ClientSampled :

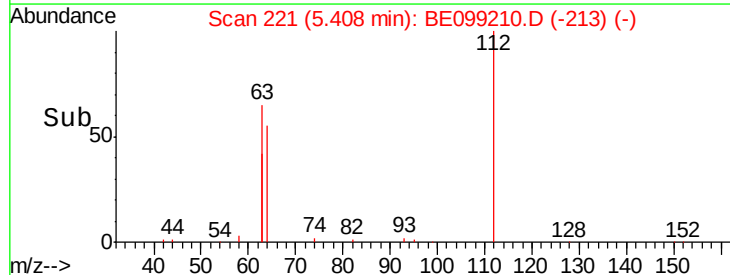
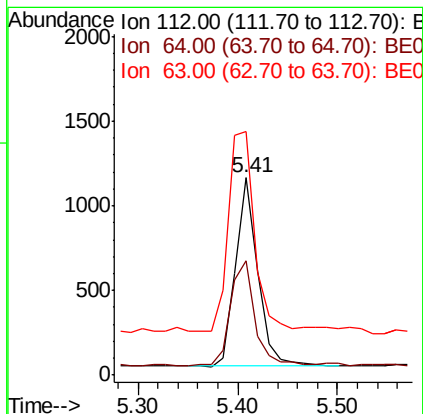
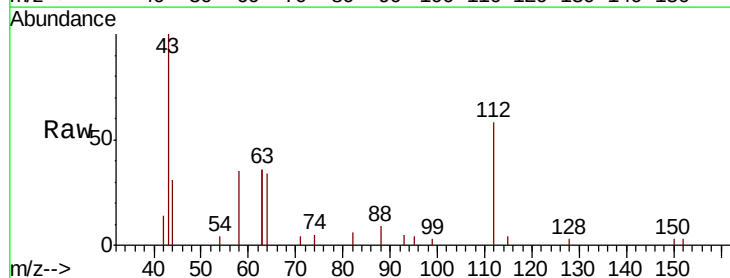
Tot Ion	42	Resp	530
Ion	Ratio	Lower	Upper
42	100		
74	131.1	138.6	207.8#
44	60.2	15.0	22.6#

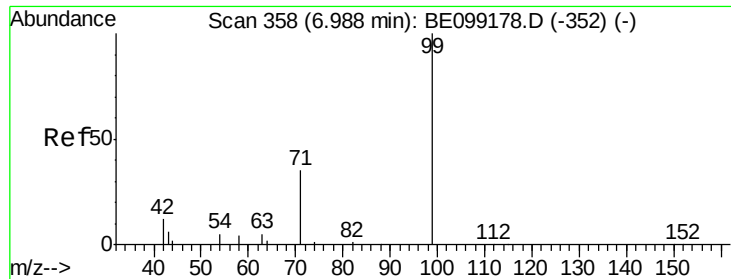


#4

2-Fluorophenol
 Concen: 0.171 ng
 RT: 5.41 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: BE099210.D
 Acq: 26 Mar 2019 11:09

Tgt Ion	112	Resp	1728
Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.2	69.2
63	136.3	89.9	134.9#





#5

Phenol-d6

Concen: 0.105 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

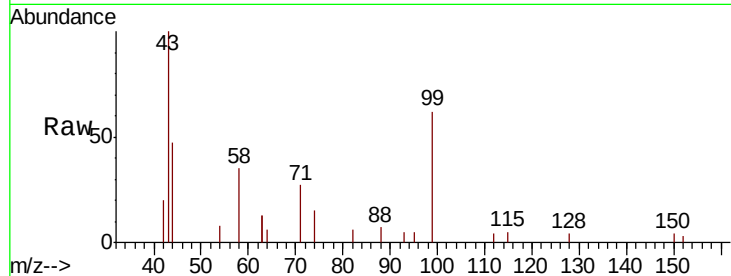
Tot Ion: 99 Resp: 1626

Ion Ratio Lower Upper

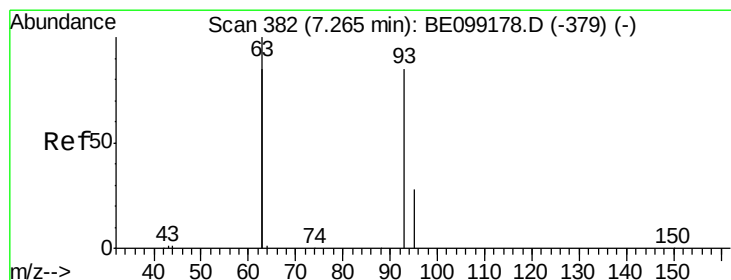
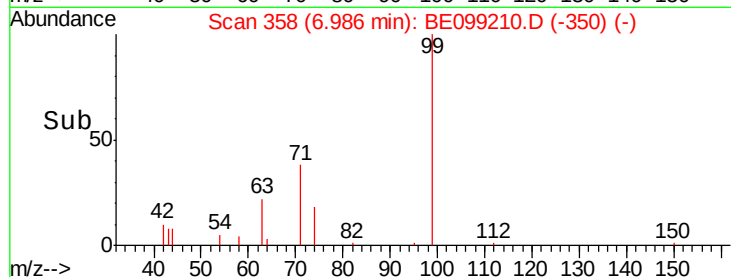
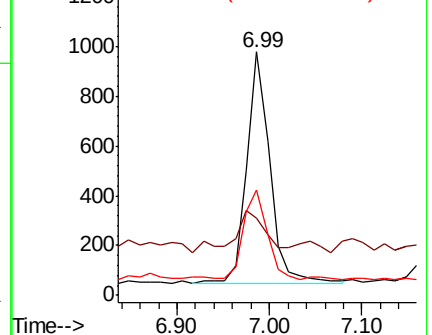
99 100

42 23.6 12.4 18.6#

71 40.2 28.4 42.6



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: 0.359 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

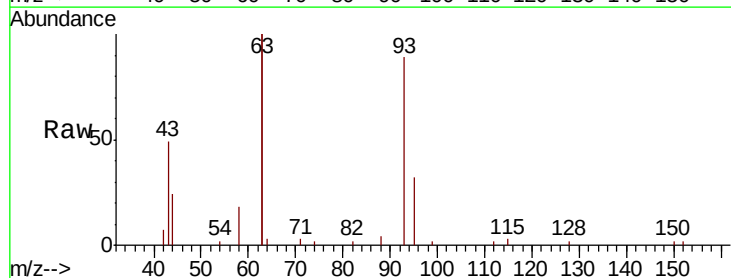
Tgt Ion: 93 Resp: 4364

Ion Ratio Lower Upper

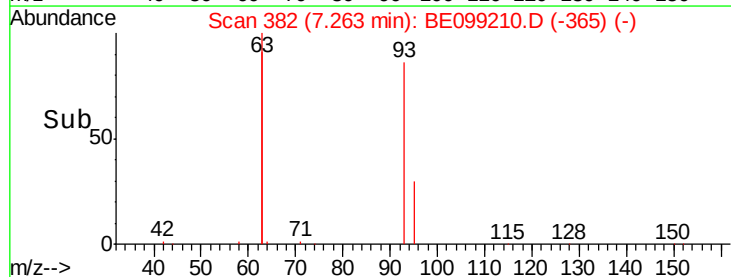
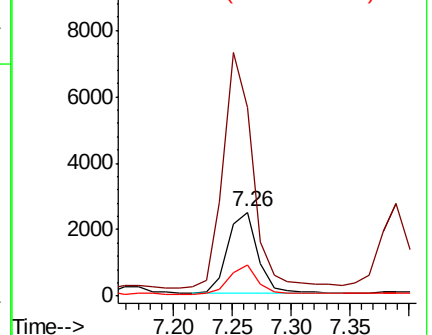
93 100

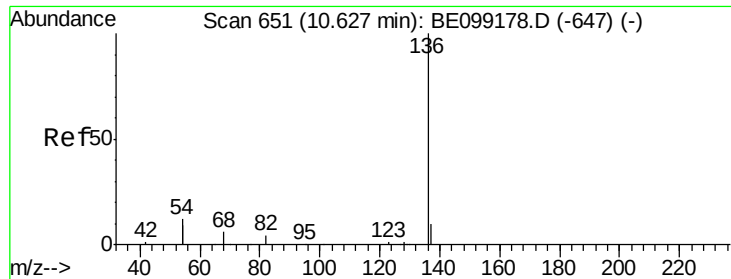
63 278.4 221.4 332.0

95 33.4 25.8 38.8



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13866

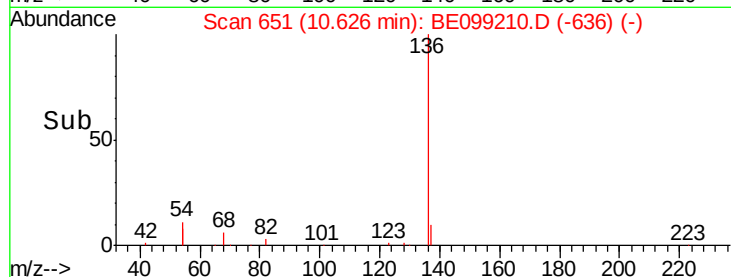
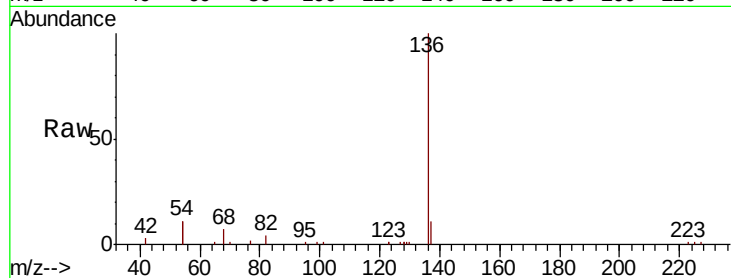
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 22.0 18.7 28.1

68 6.7 5.2 7.8



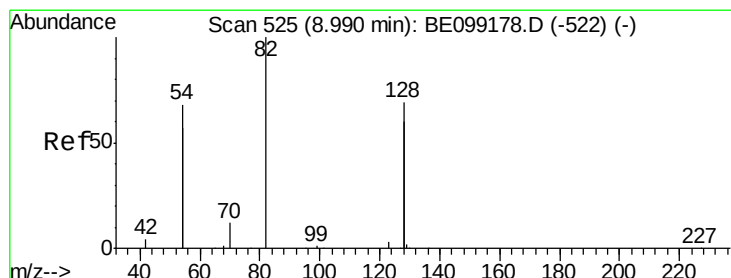
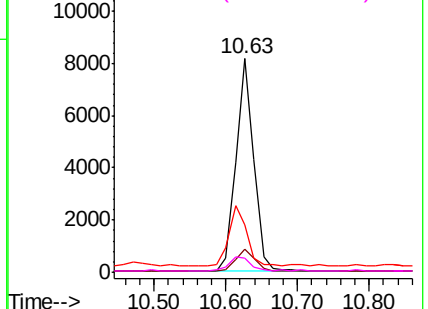
Abundance

Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.385 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

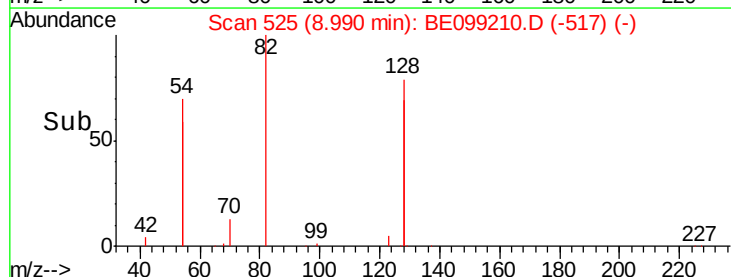
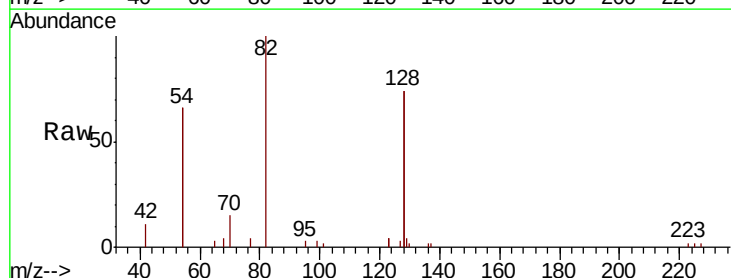
Tgt Ion: 82 Resp: 4361

Ion Ratio Lower Upper

82 100

128 149.0 107.5 161.3

54 131.6 106.3 159.5

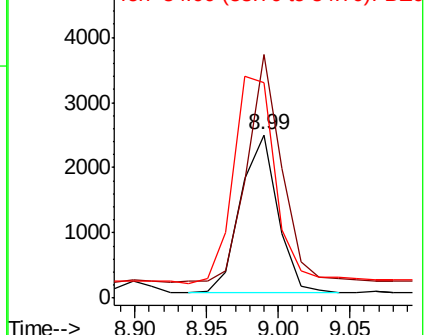


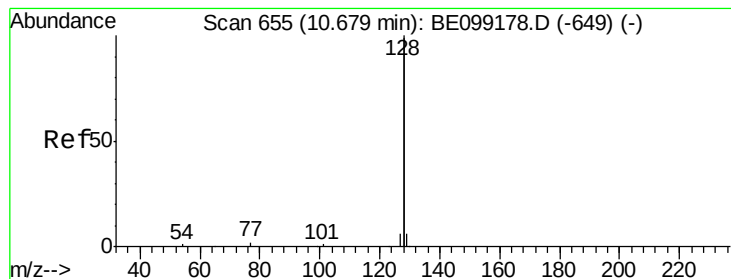
Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.368 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

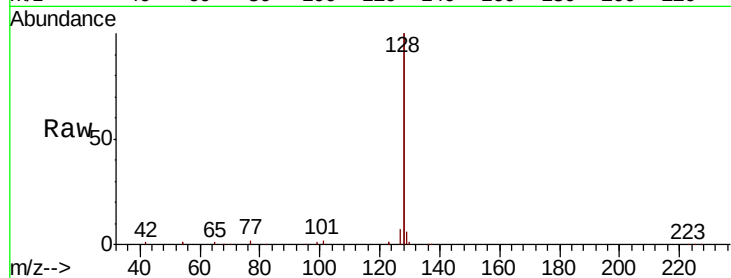
Tot Ion:128 Resp: 60237

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

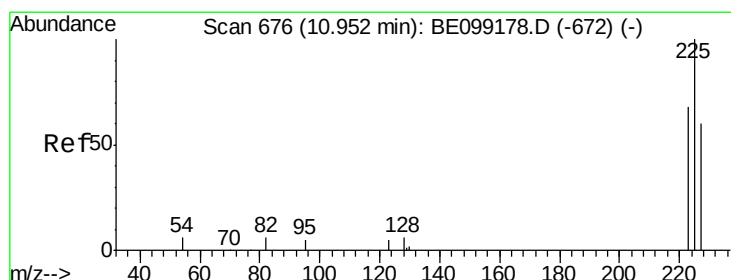
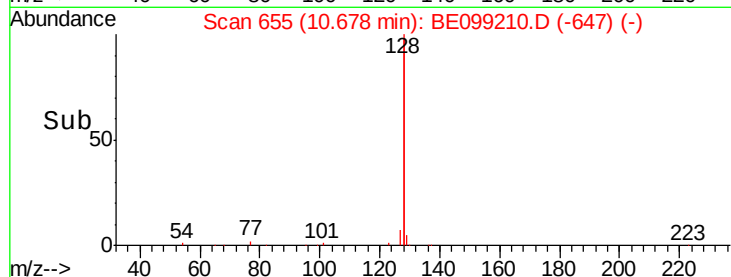
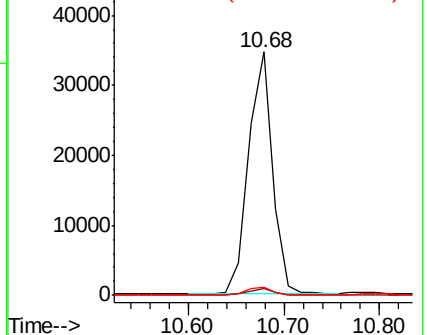
127 3.4 2.6 3.8



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: 0.333 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

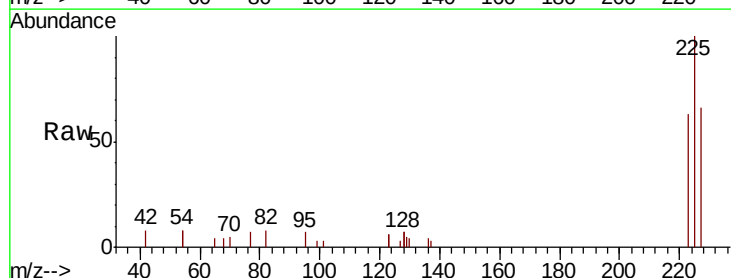
Tgt Ion:225 Resp: 2899

Ion Ratio Lower Upper

225 100

223 61.1 51.3 76.9

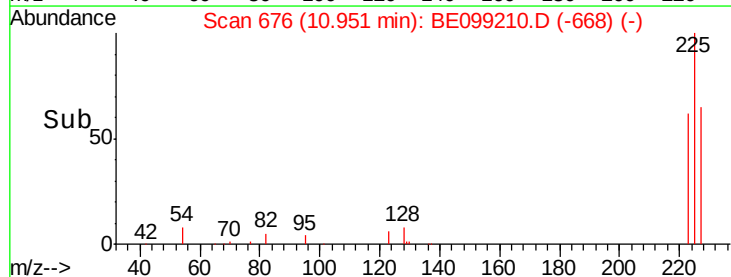
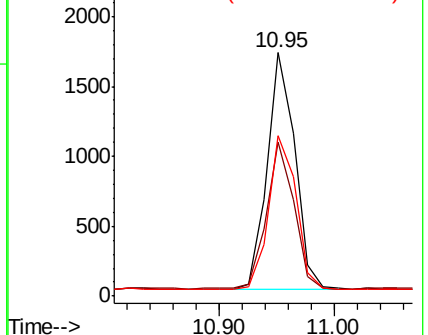
227 64.4 48.6 73.0

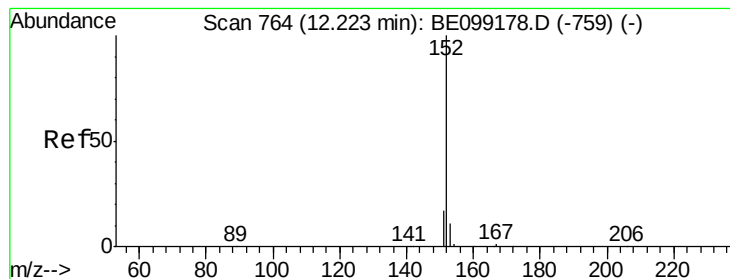


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.521 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

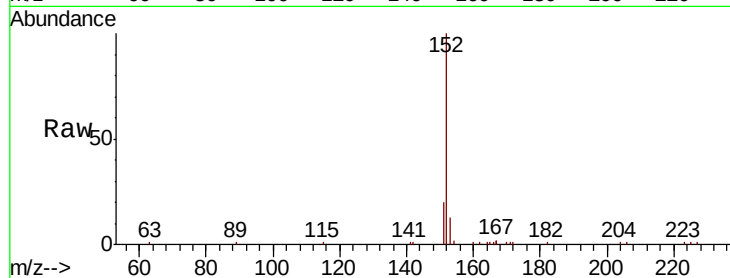
ClientSampleId :

Tot Ion:152 Resp: 13926

Ion Ratio Lower Upper

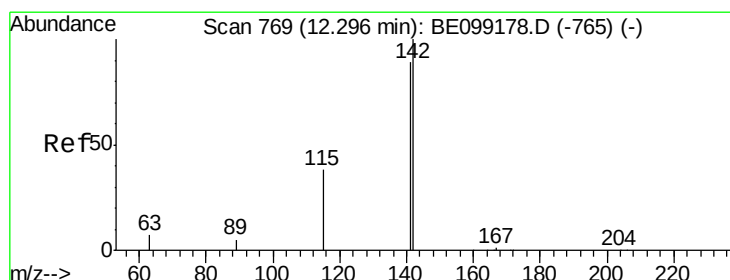
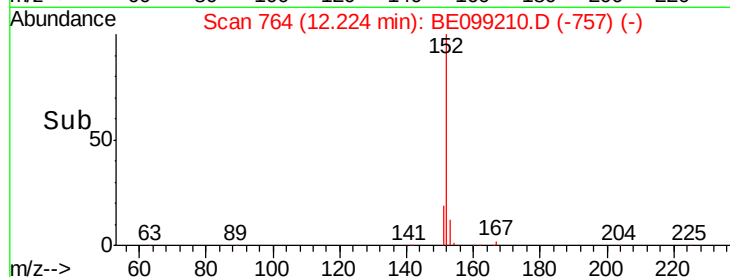
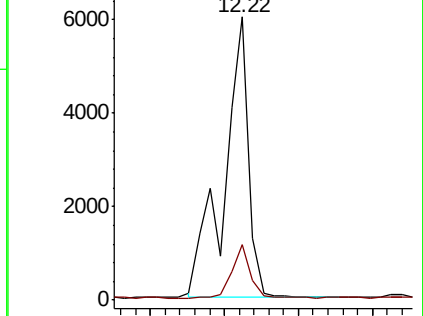
152 100

151 14.1 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

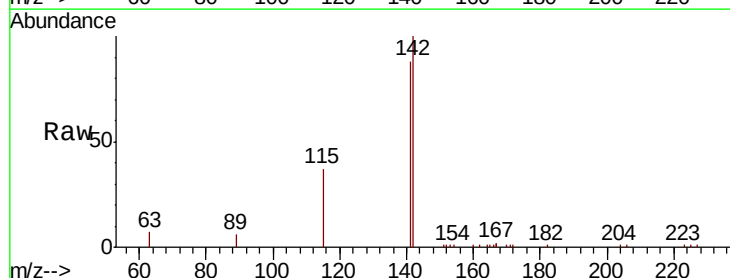
Tgt Ion:142 Resp: 11237

Ion Ratio Lower Upper

142 100

141 87.7 71.3 106.9

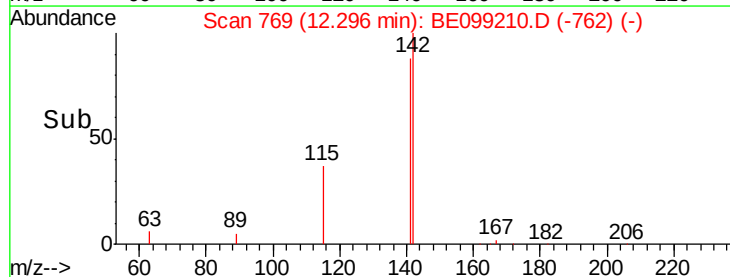
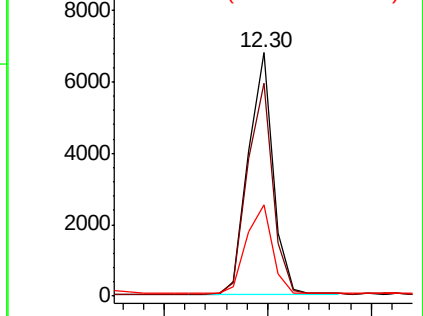
115 37.4 30.4 45.6

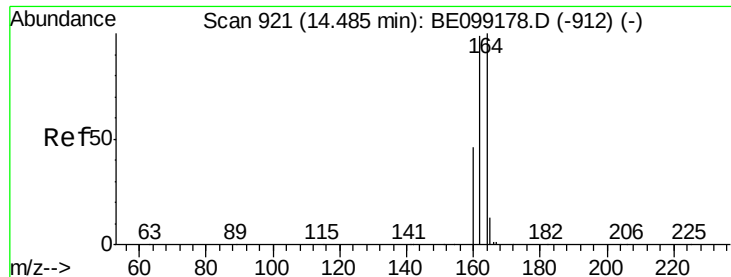


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

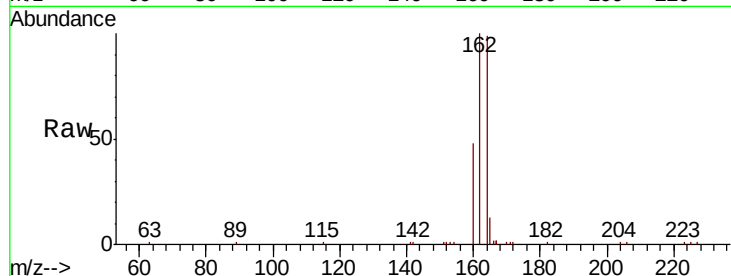




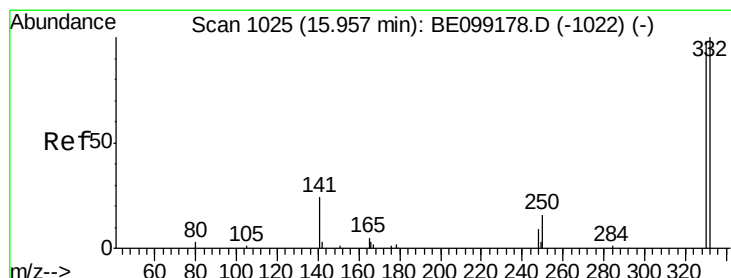
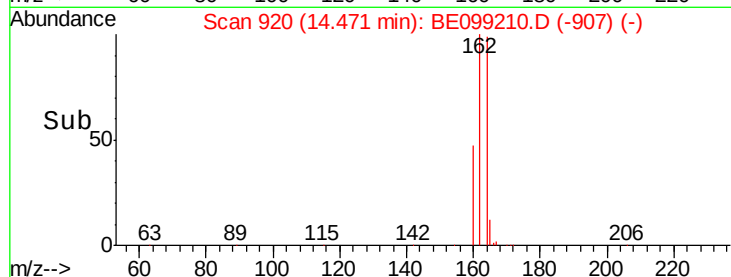
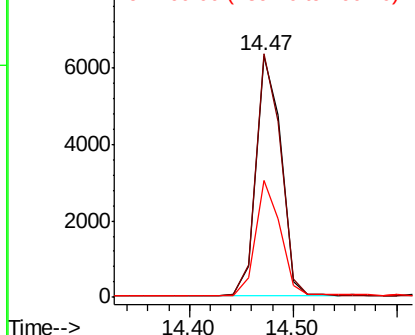
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 10566
Ion Ratio Lower Upper
164 100
162 100.9 79.2 118.8
160 48.4 36.7 55.1

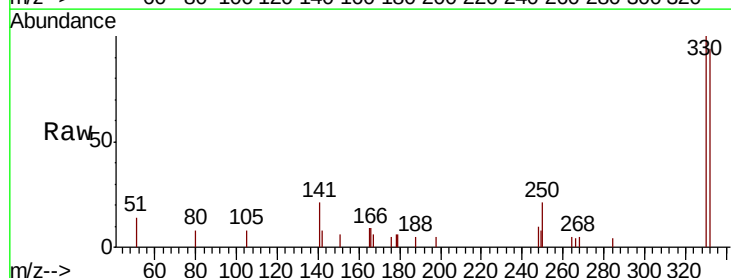


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

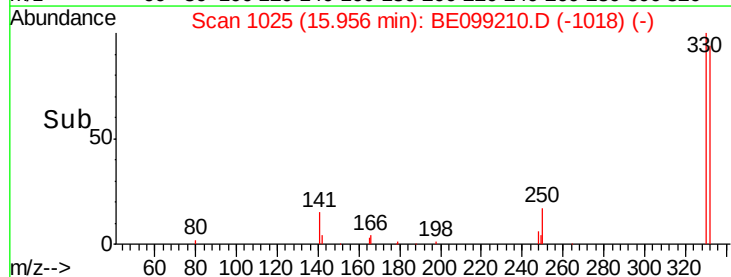
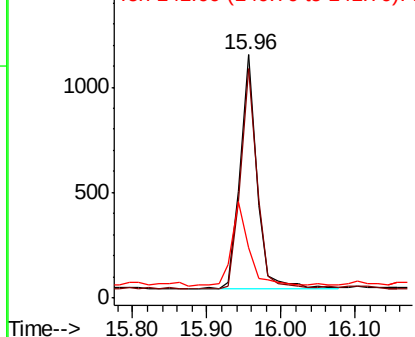


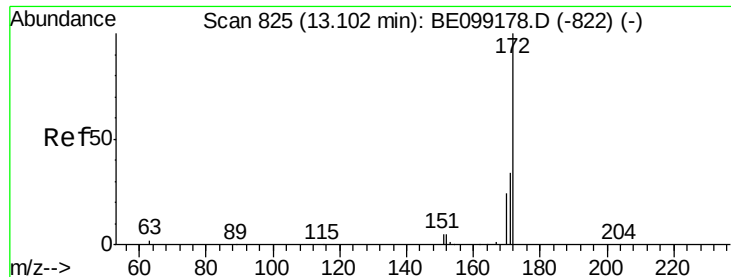
#14
2,4,6-Tribromophenol
Concen: 0.516 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:330 Resp: 1730
Ion Ratio Lower Upper
330 100
332 93.9 71.3 106.9
141 34.2 21.7 32.5#



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

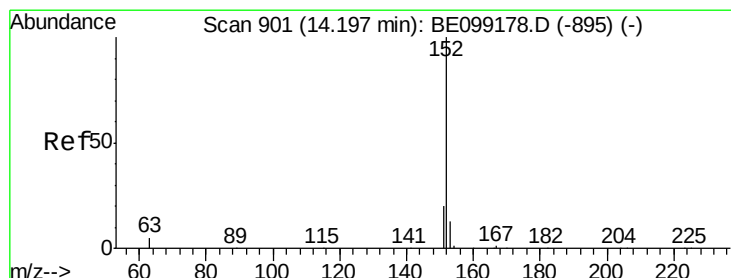
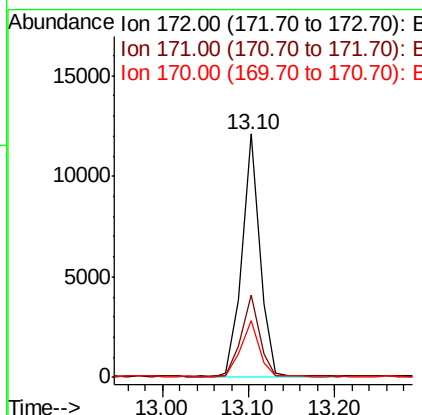
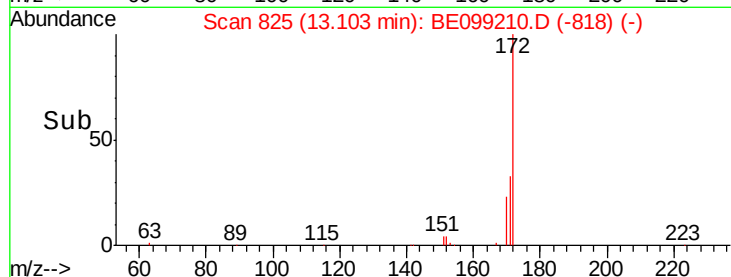
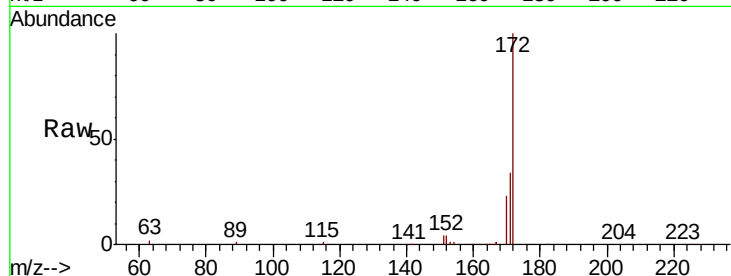




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

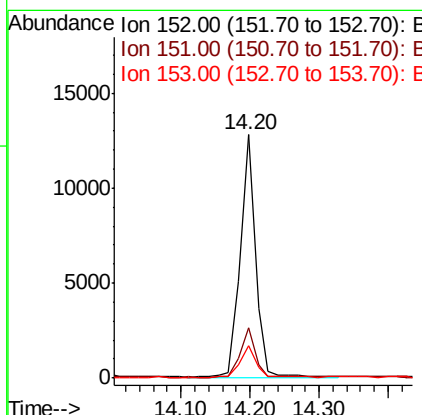
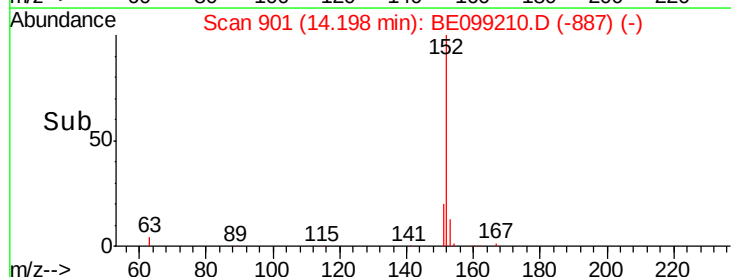
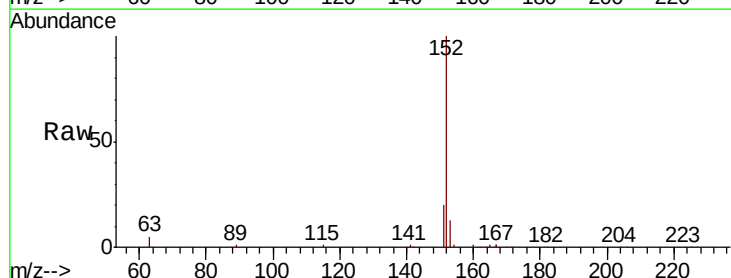
Instrument :
BNA_E
ClientSampleId :

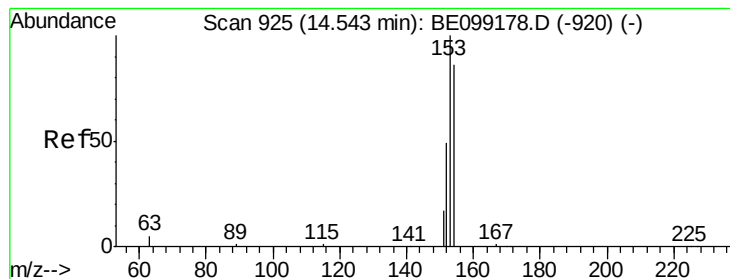
Tot Ion:172 Resp: 17168
Ion Ratio Lower Upper
172 100
171 33.7 27.4 41.0
170 23.4 19.1 28.7



#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:152 Resp: 19510
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.382 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

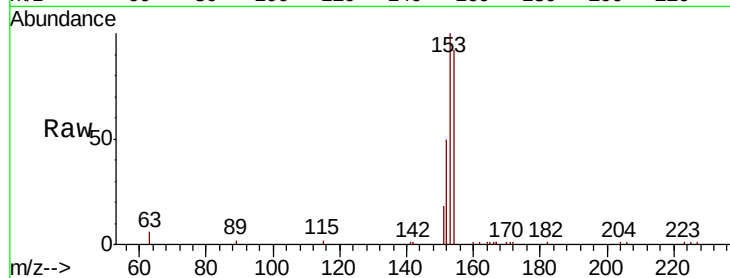
Tot Ion:154 Resp: 12313

Ion Ratio Lower Upper

154 100

153 112.1 93.4 140.0

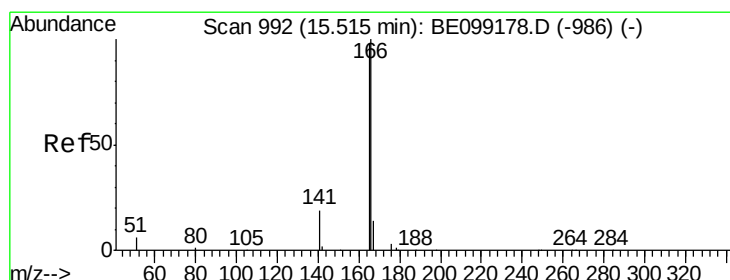
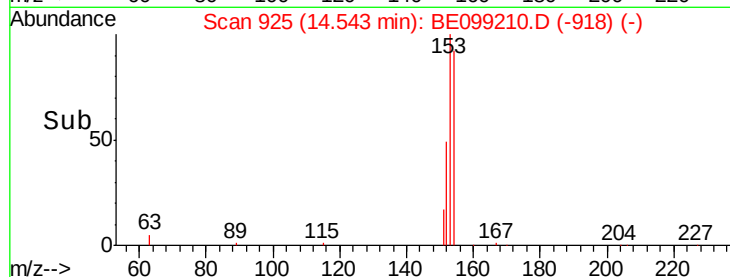
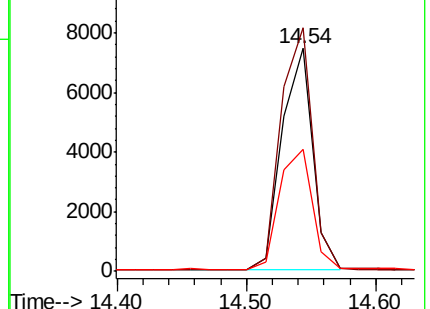
152 57.4 46.6 69.8



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: 0.403 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

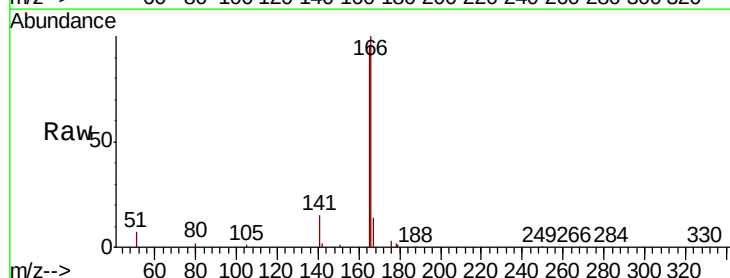
Tgt Ion:166 Resp: 18278

Ion Ratio Lower Upper

166 100

165 100.2 78.9 118.3

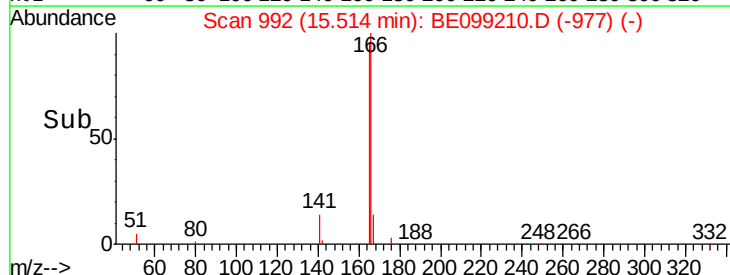
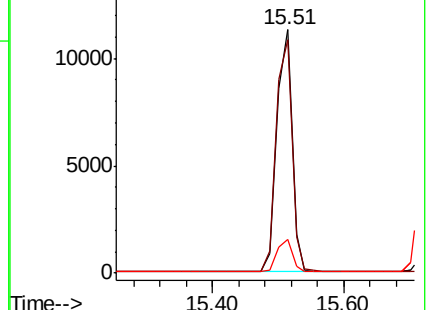
167 13.7 10.9 16.3

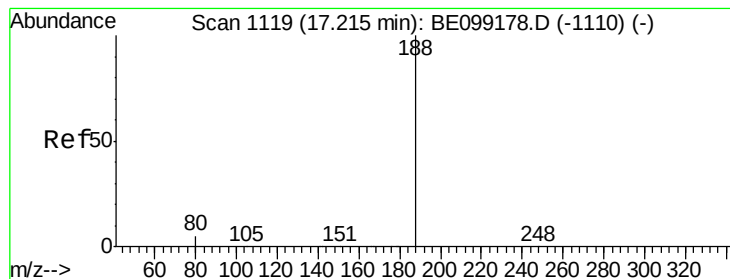


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.31 min Scan# 1126

Delta R.T. 0.09 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampled :

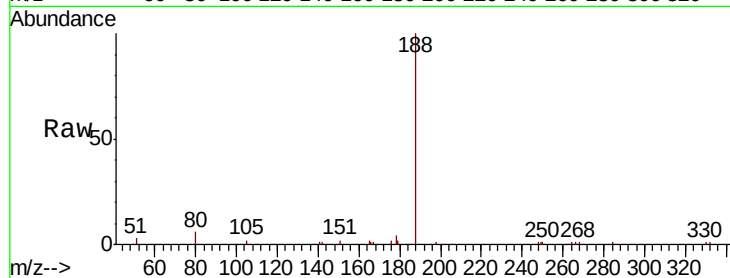
Tot Ion:188 Resp: 8648

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

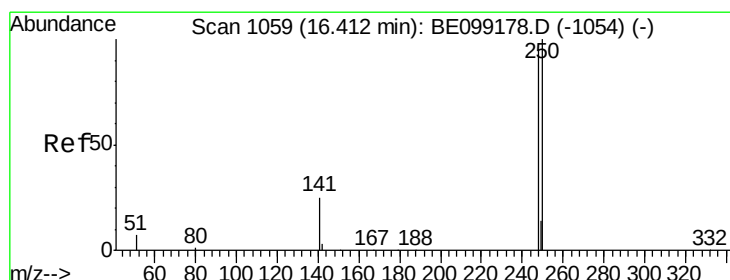
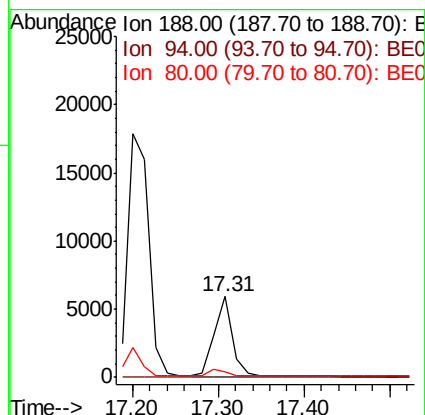
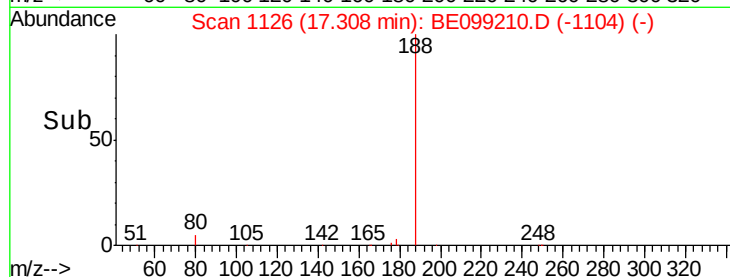
80 6.2 4.5 6.7



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: 0.036 ng

RT: 16.50 min Scan# 1066

Delta R.T. 0.09 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

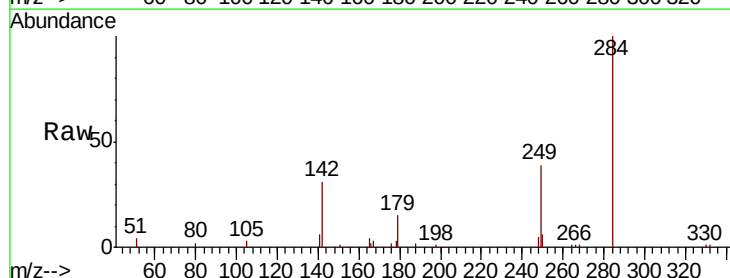
Tgt Ion:248 Resp: 199

Ion Ratio Lower Upper

248 100

250 132.8 84.2 126.2#

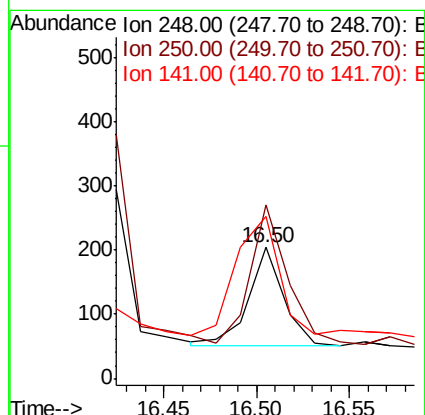
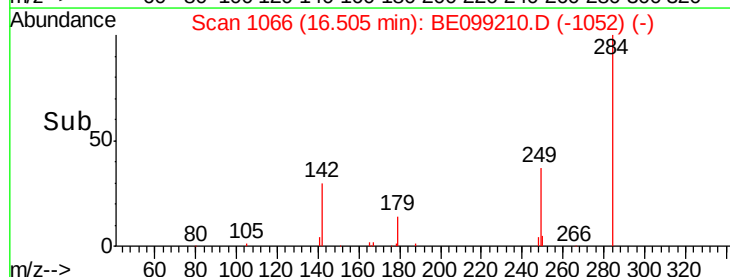
141 124.0 21.8 32.6#

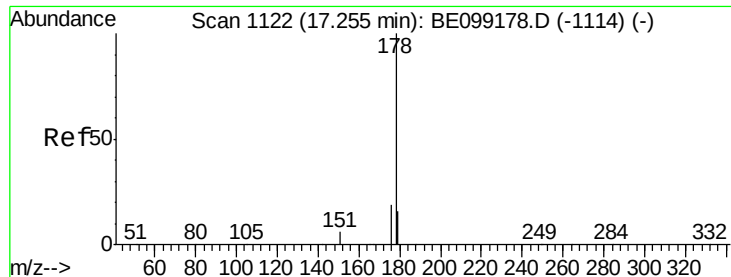


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#23

Phenanthrene

Concen: 1.256 ng

RT: 17.33 min Scan# 1128

Delta R.T. 0.08 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

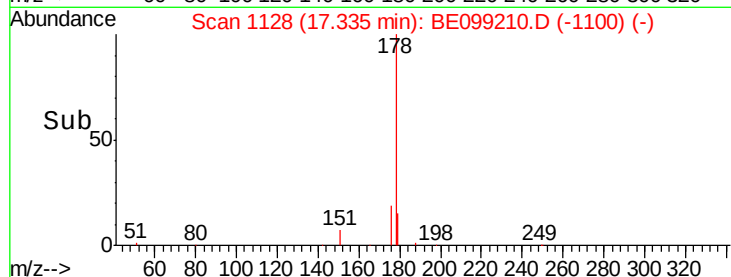
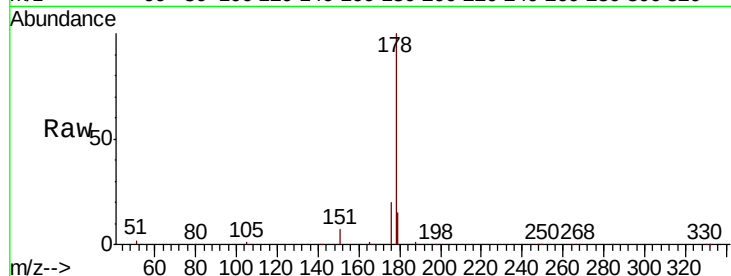
Instrument :

BNA_E

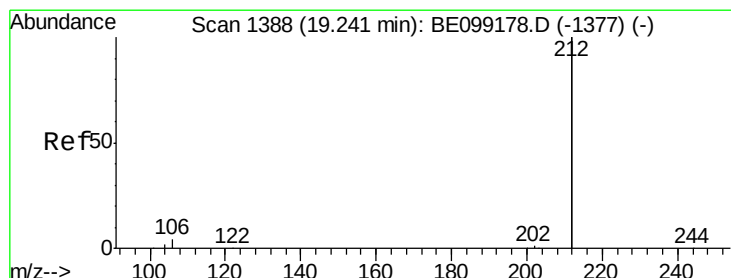
ClientSampled :

Tot Ion:178 Resp: 31897

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.3	18.5



Time-->



#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.60 min Scan# 1450

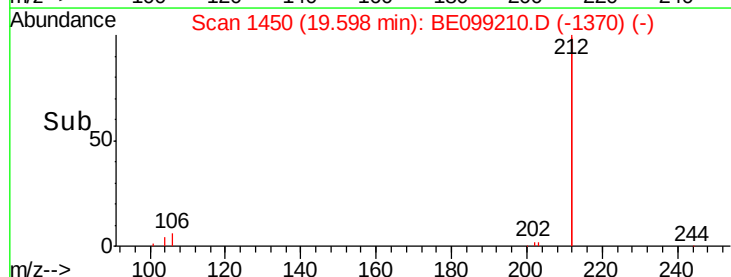
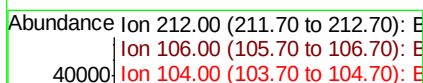
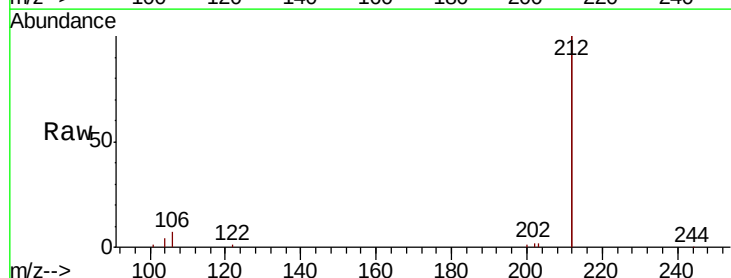
Delta R.T. 0.36 min

Lab File: BE099210.D

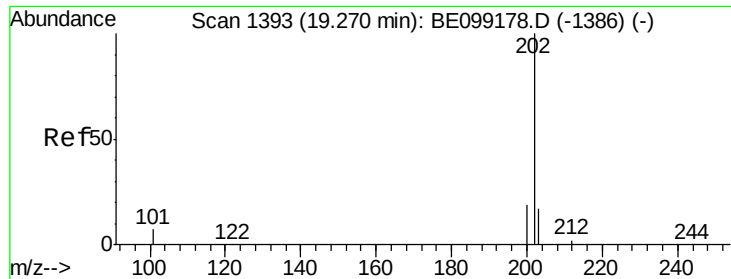
Acq: 26 Mar 2019 11:09

Tgt Ion:212 Resp: 42975

Ion	Ratio	Lower	Upper
212	100		
106	2.8	1.8	2.8#
104	1.9	1.1	1.7#



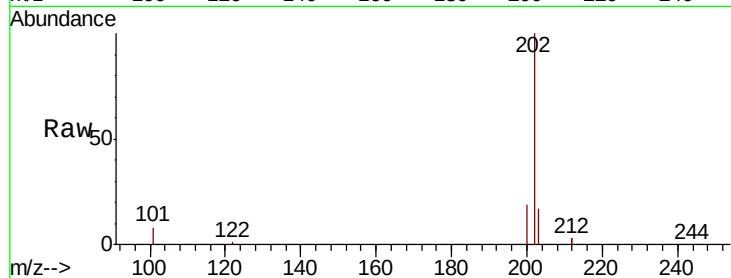
Time-->



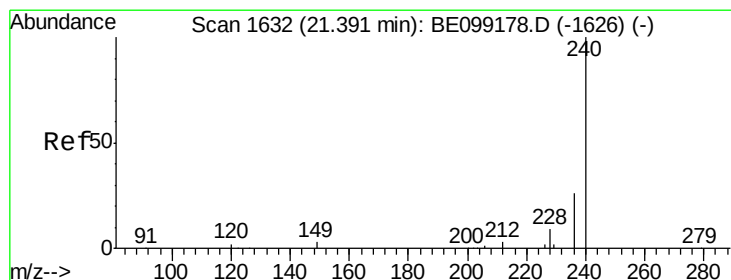
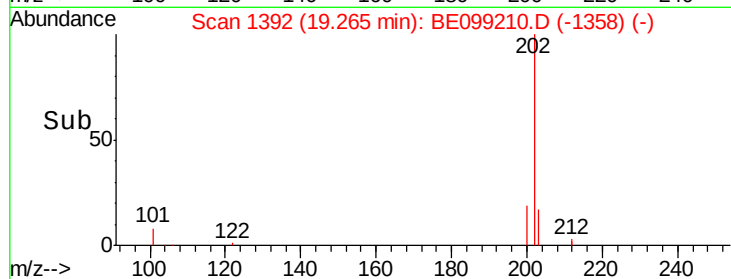
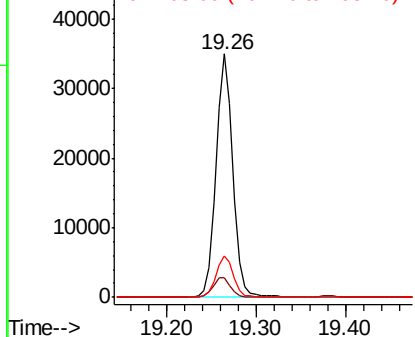
#26
Fluoranthene
Concen: 1.391 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 45092
Ion Ratio Lower Upper
202 100
101 8.3 7.0 10.4
203 17.2 13.8 20.6

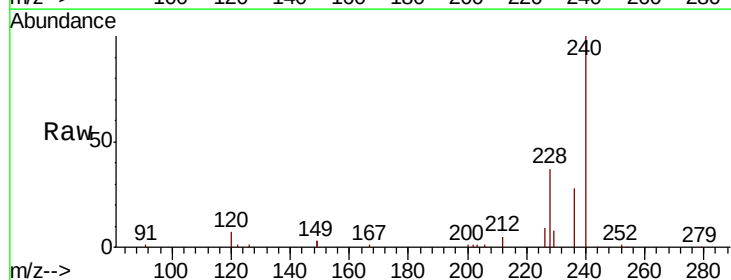


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

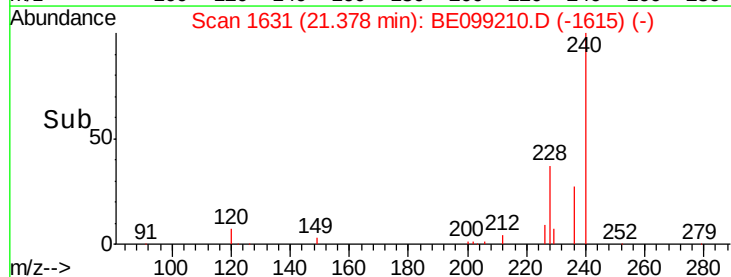
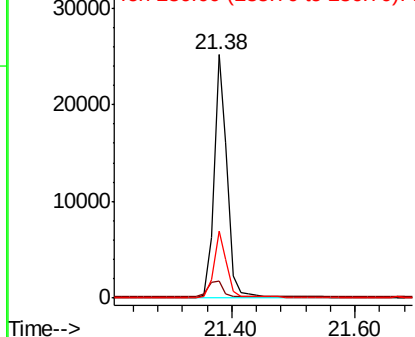


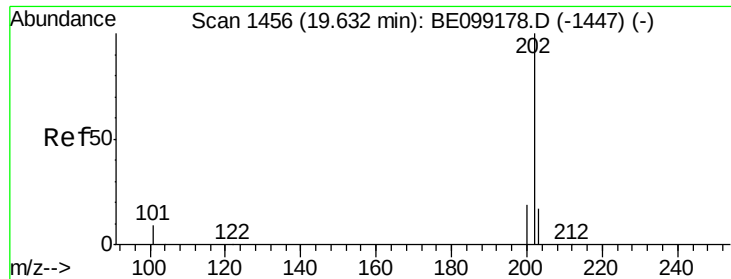
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:240 Resp: 37492
Ion Ratio Lower Upper
240 100
120 7.1 2.6 3.8#
236 27.6 20.9 31.3



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

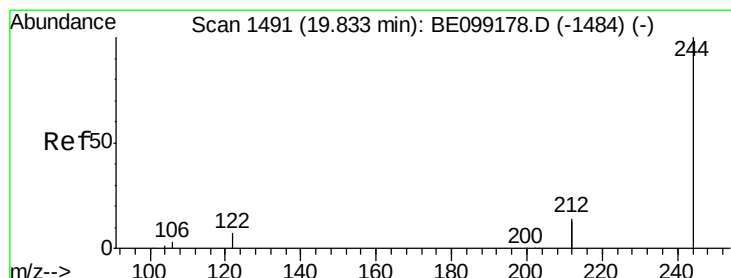
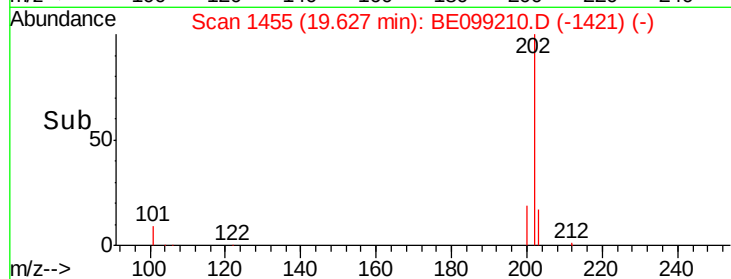
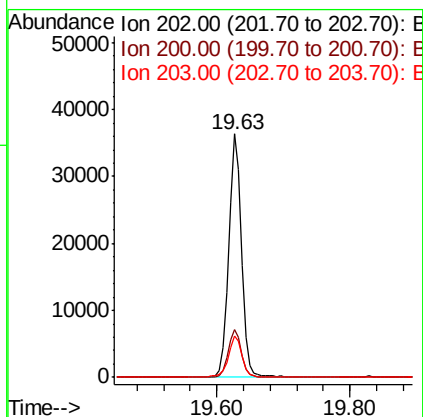
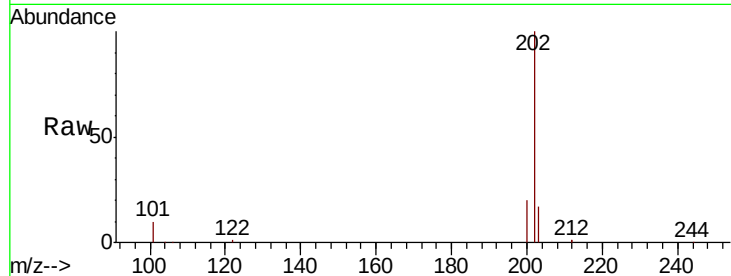




#28
Pvrene
Concen: 0.383 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

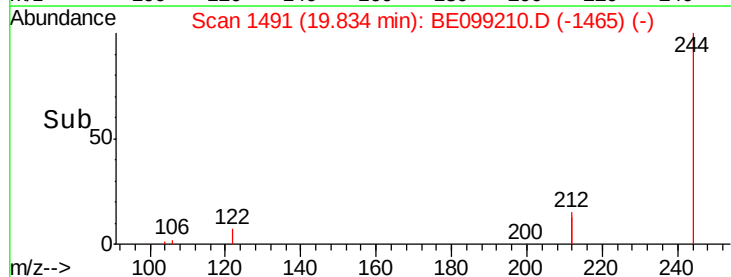
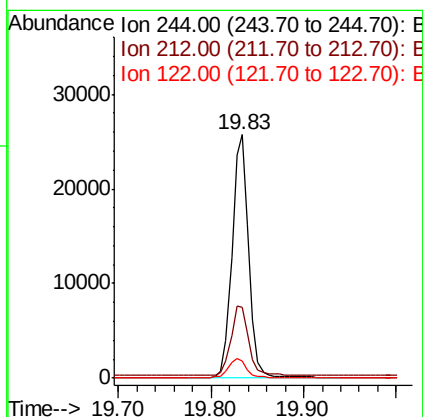
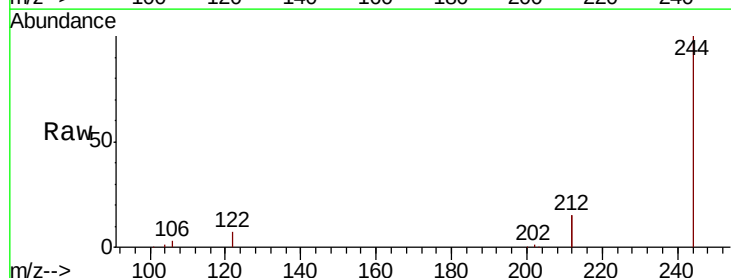
Instrument :
BNA_E
ClientSampled :

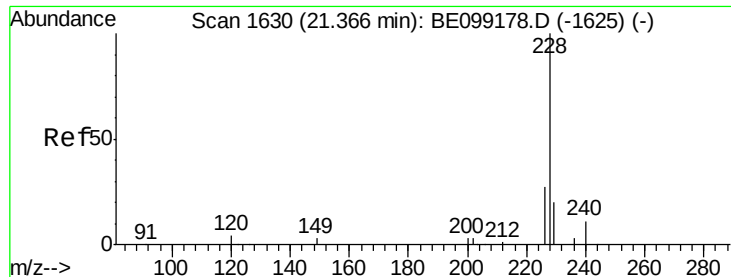
Tot Ion:202 Resp: 47741
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 18.0 14.1 21.1



#29
Terphenyl-d14
Concen: 0.392 ng
RT: 19.83 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:244 Resp: 31926
Ion Ratio Lower Upper
244 100
212 29.3 22.7 34.1
122 7.1 5.8 8.6





#30

Benzo(a)anthracene

Concen: 0.381 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

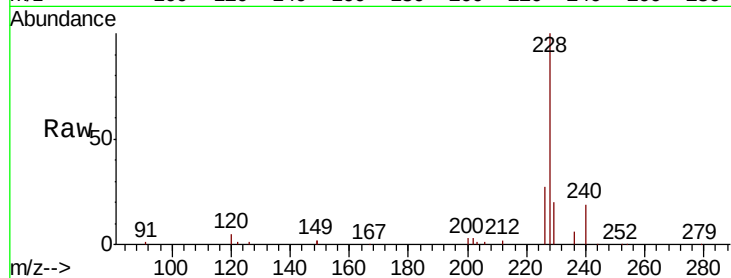
Tot Ion:228 Resp: 47076

Ion Ratio Lower Upper

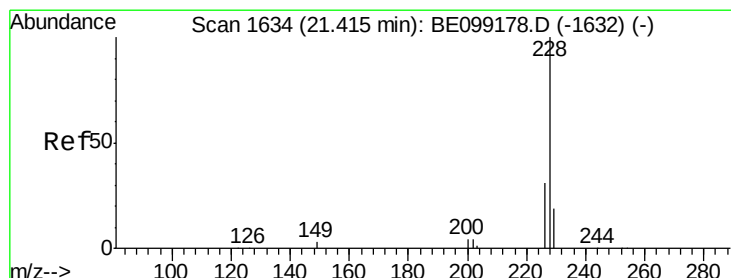
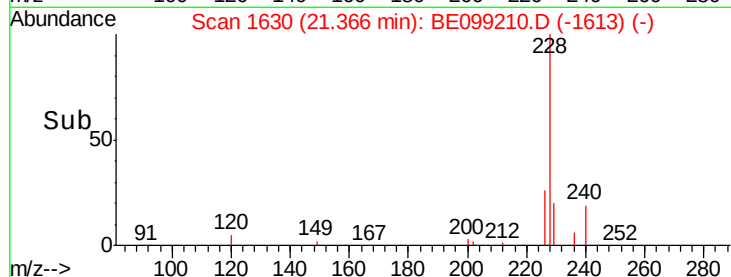
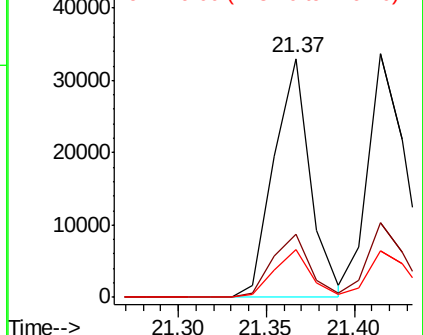
228 100

226 26.6 21.7 32.5

229 19.8 15.9 23.9



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: 0.365 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

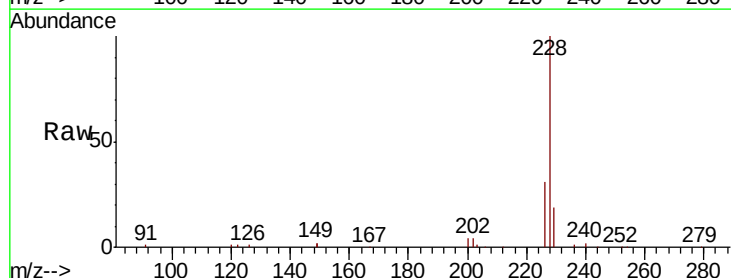
Tgt Ion:228 Resp: 48232

Ion Ratio Lower Upper

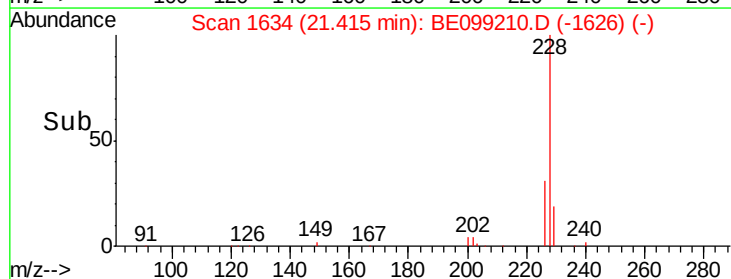
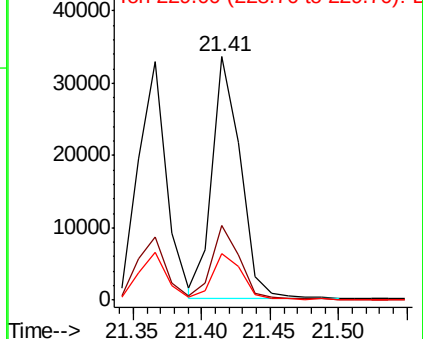
228 100

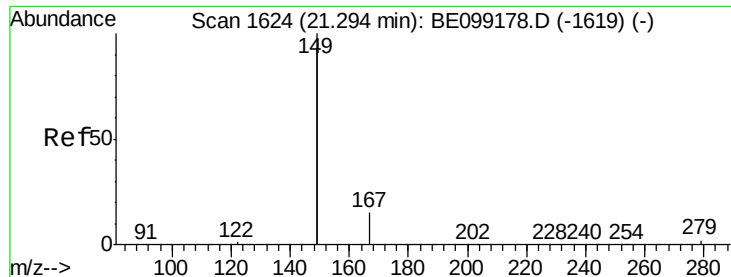
226 30.7 24.8 37.2

229 19.3 15.4 23.0



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: 0.411 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

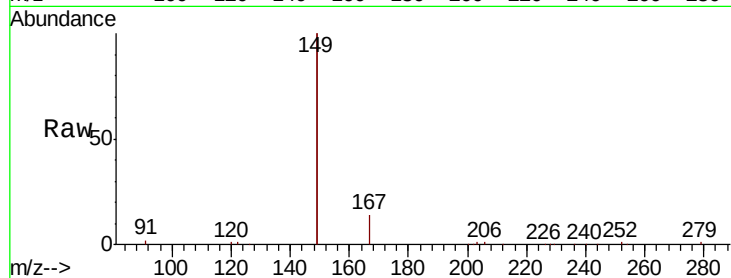
Tot Ion:149 Resp: 60596

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

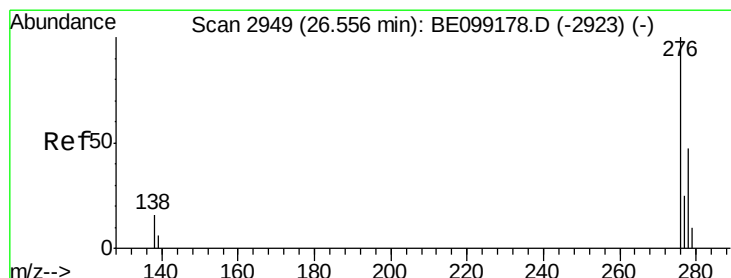
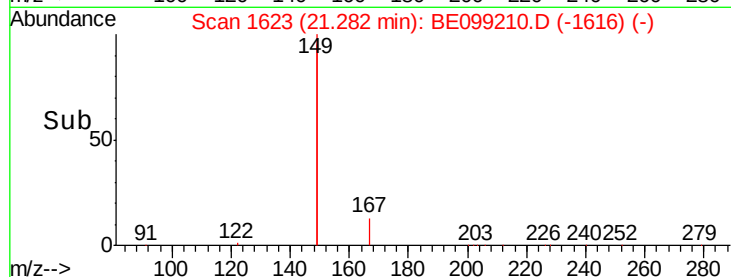
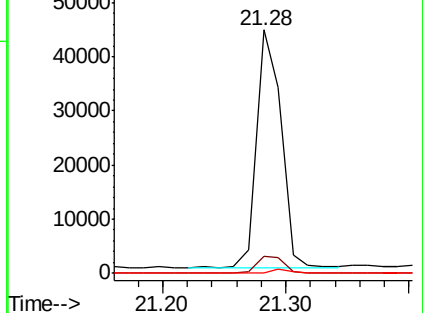
279 1.1 1.0 1.6



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: 0.313 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

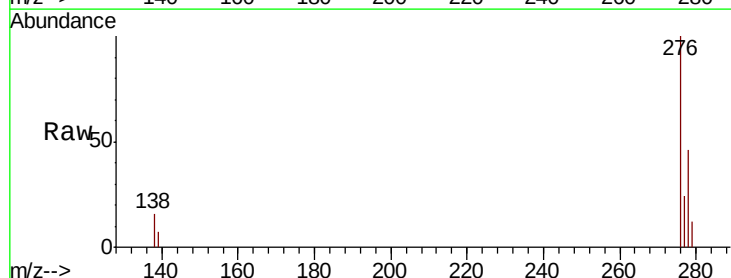
Tgt Ion:276 Resp: 39186

Ion Ratio Lower Upper

276 100

138 15.6 12.9 19.3

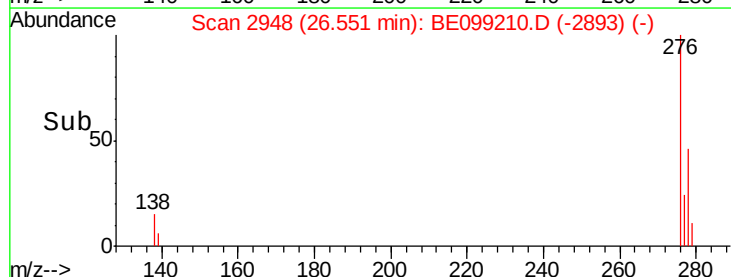
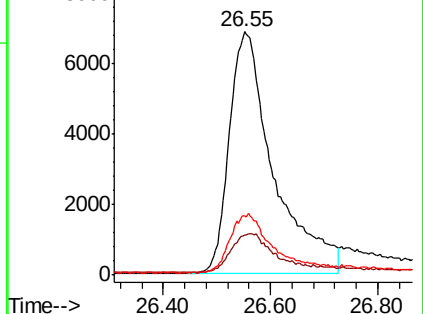
277 23.8 18.3 27.5

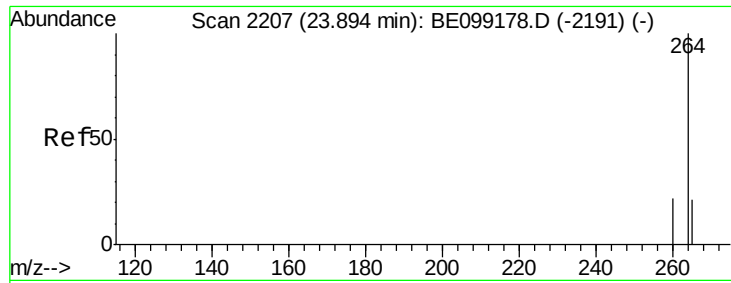


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

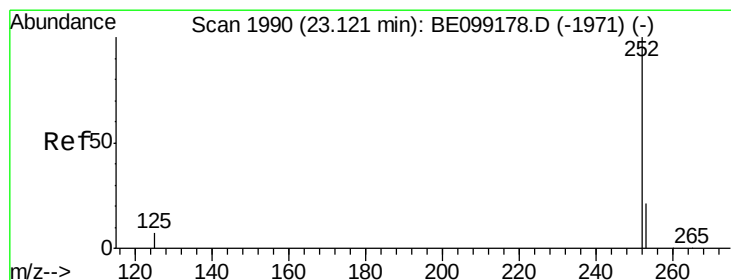
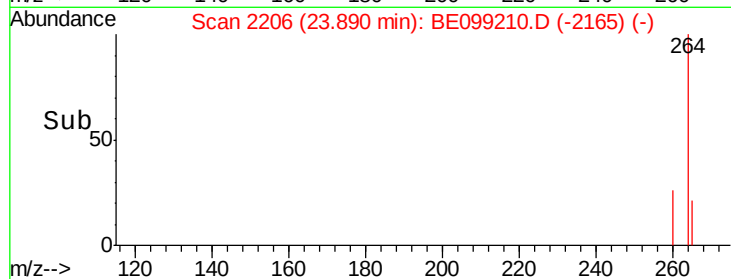
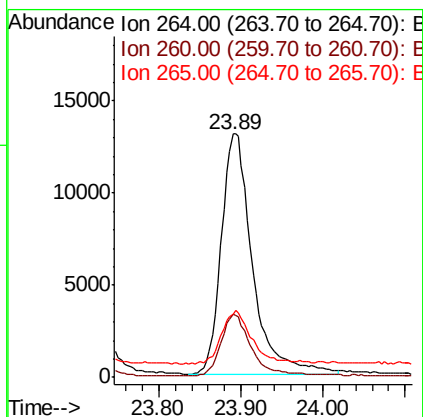
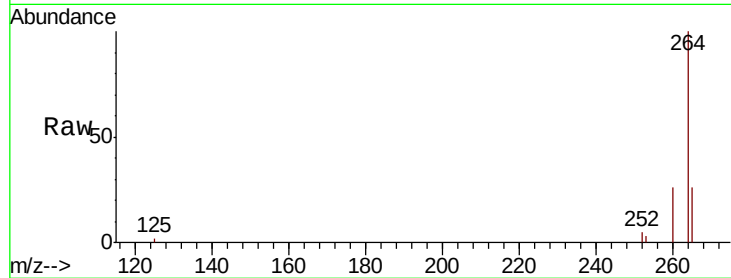




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

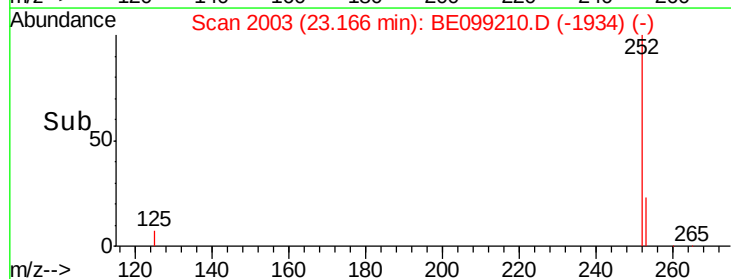
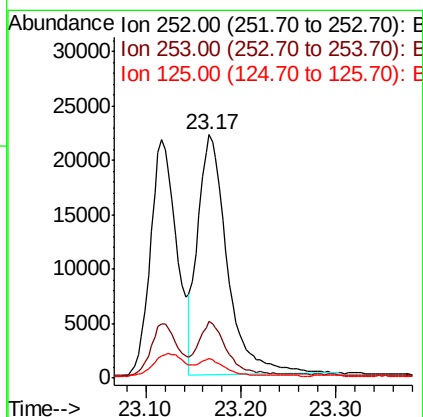
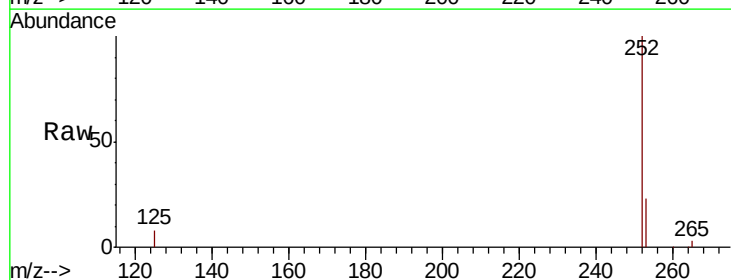
Instrument :
BNA_E
ClientSampleId :

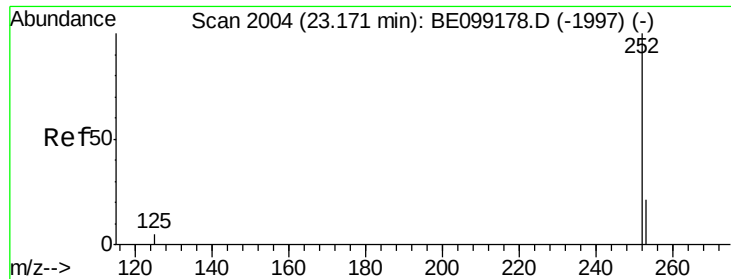
Tot Ion:264 Resp: 34468
Ion Ratio Lower Upper
264 100
260 25.7 18.2 27.2
265 26.0 21.8 32.8



#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 23.17 min Scan# 2003
Delta R.T. 0.05 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:252 Resp: 47632
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 7.8 6.1 9.1

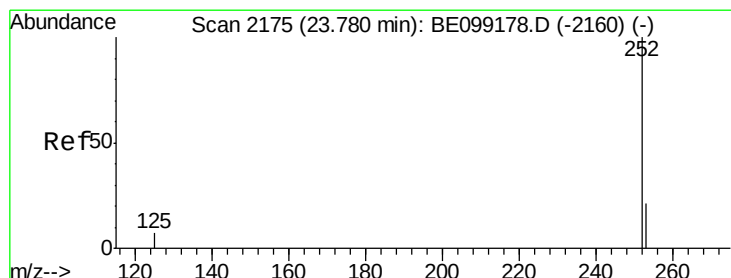
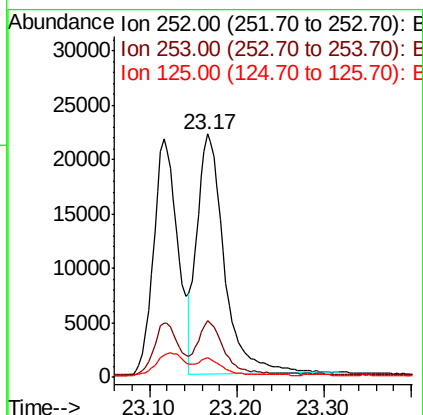
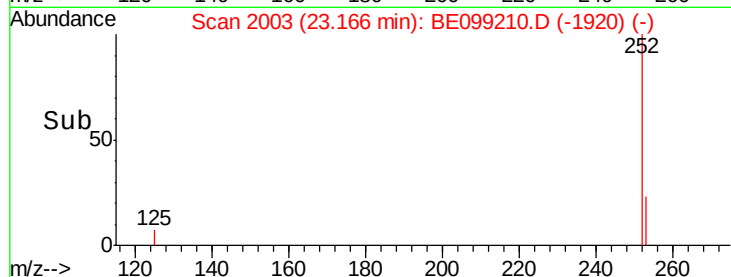
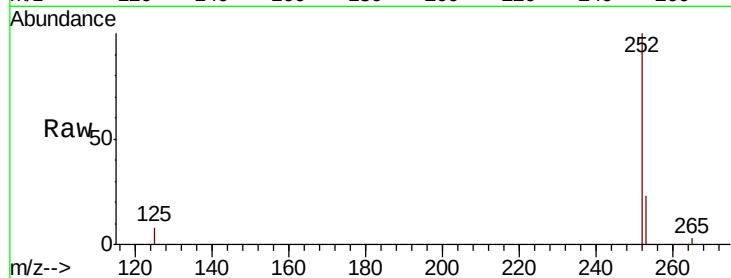




#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

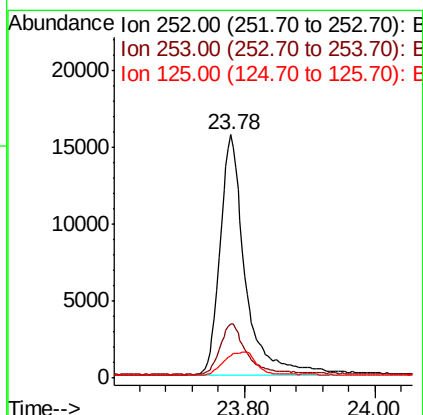
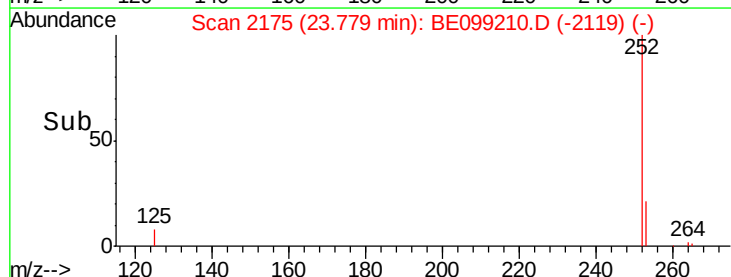
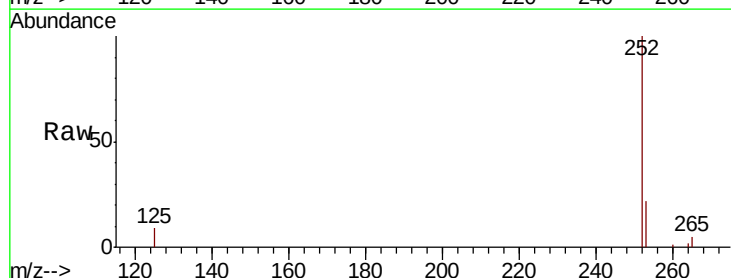
Instrument :
BNA_E
ClientSampled :

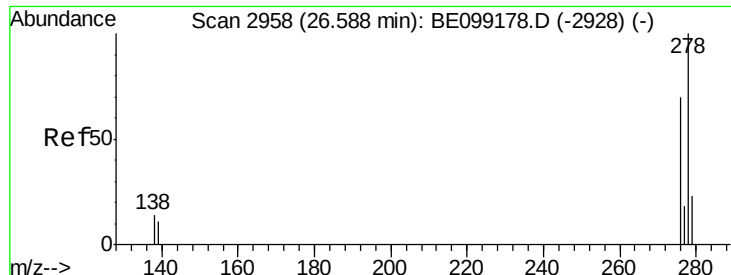
Tot Ion:252 Resp: 48152
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 7.8 5.9 8.9



#37
Benzo(a)pyrene
Concen: 0.397 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE099210.D
Acq: 26 Mar 2019 11:09

Tgt Ion:252 Resp: 42055
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 8.9 6.8 10.2





#38

Dibenzo(a,h)anthracene

Concen: 0.353 ng

RT: 26.57 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

Instrument :

BNA_E

ClientSampleId :

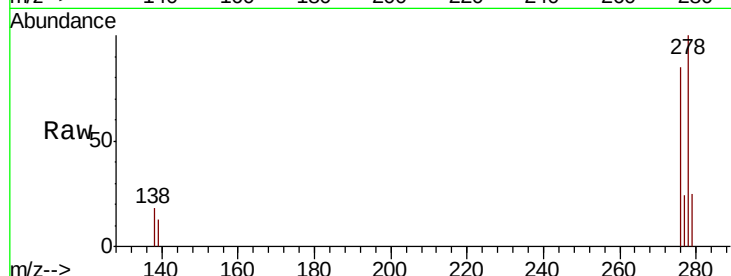
Tot Ion:278 Resp: 33213

Ion Ratio Lower Upper

278 100

139 12.9 9.5 14.3

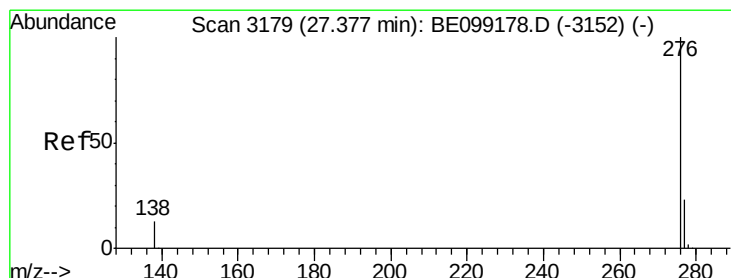
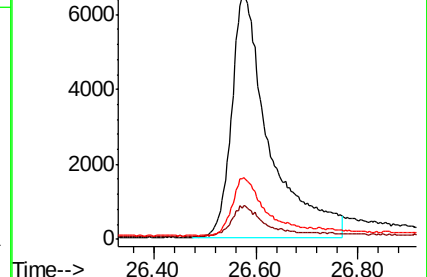
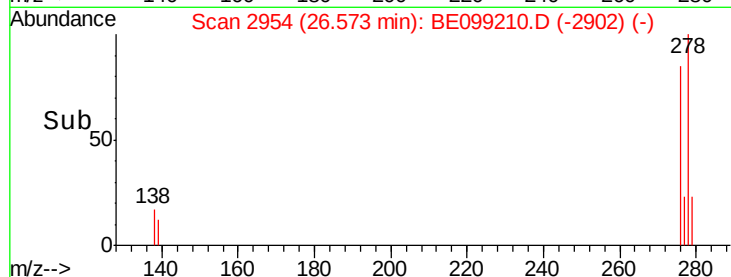
279 24.8 19.1 28.7



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: 0.316 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BE099210.D

Acq: 26 Mar 2019 11:09

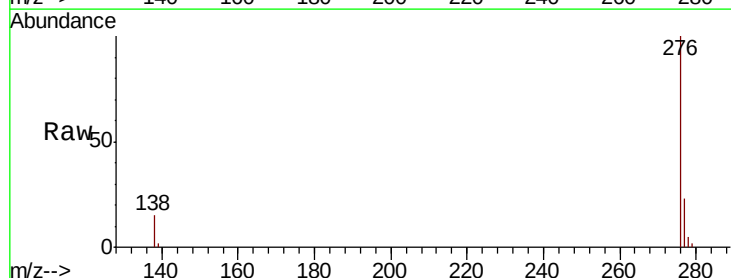
Tgt Ion:276 Resp: 29864

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 15.1 11.1 16.7



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

