

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099211.D
 Acq On : 26 Mar 2019 11:45
 Operator : JU/SJ
 Sample : K2073-02MSDRE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 26 12:25:53 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	3159	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13104	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9941	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	31946	0.40	ng	0.00
27) Chrysene-d12	21.38	240	38297	0.40	ng	-0.01
34) Perylene-d12	23.89	264	35223	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	1761	0.19	ng	0.00
5) Phenol-d6	6.99	99	1624	0.11	ng	0.00
8) Nitrobenzene-d5	8.99	82	3989	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13808	0.55	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1697	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	16111	0.40	ng	0.00
25) Fluoranthene-d10	19.24	212	156654	0.40	ng	0.00
29) Terphenyl-d14	19.83	244	31656	0.38	ng	0.00

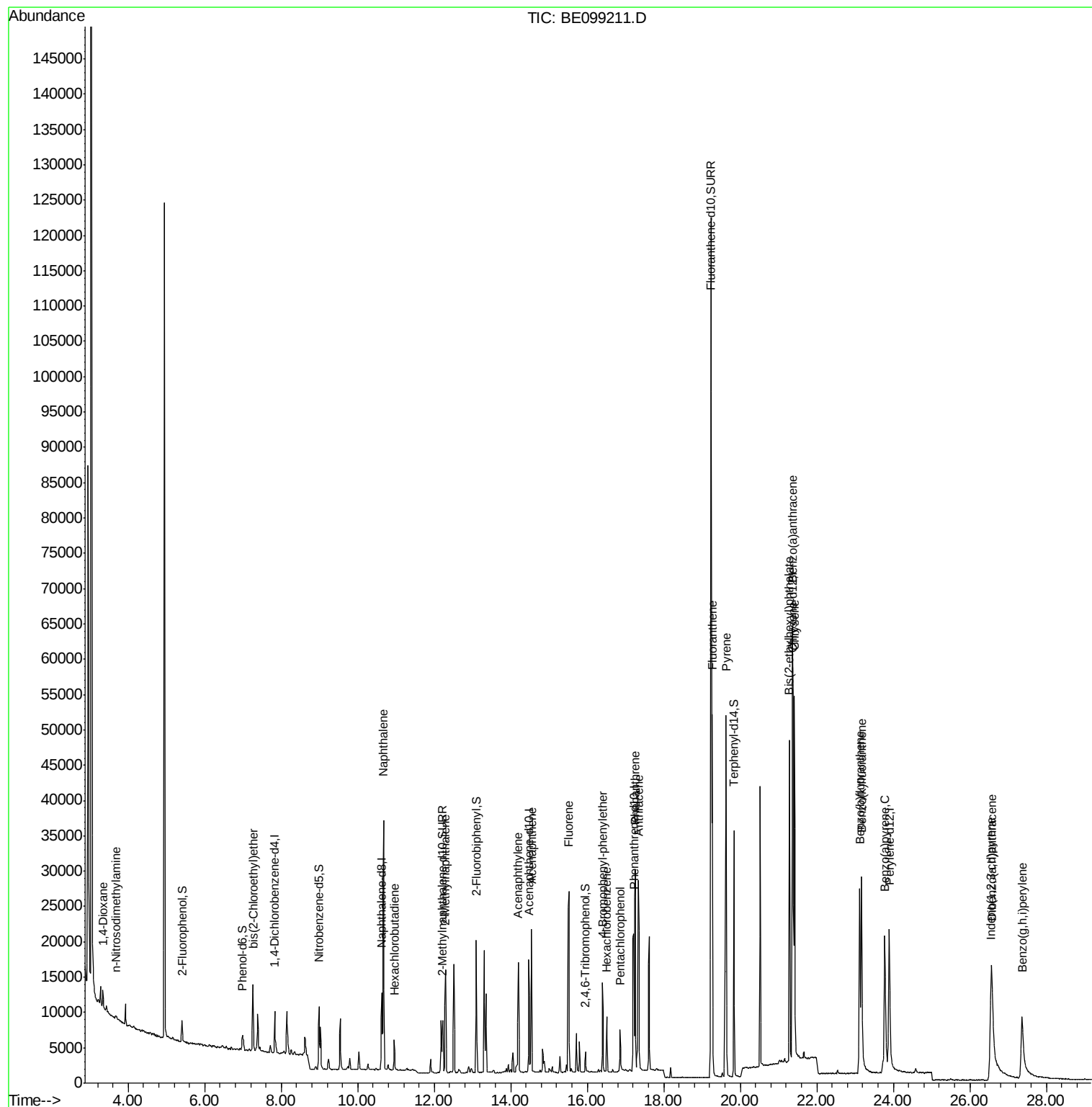
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1717	0.412	ng	# 74
3) n-Nitrosodimethylamine	3.69	42	406	0.174	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	4038	0.356	ng	93
9) Naphthalene	10.68	128	56175	0.363	ng	100
10) Hexachlorobutadiene	10.95	225	2780	0.338	ng	98
12) 2-Methylnaphthalene	12.30	142	10177	0.368	ng	98
16) Acenaphthylene	14.20	152	17635	0.348	ng	99
17) Acenaphthene	14.54	154	11331	0.374	ng	98
18) Fluorene	15.51	166	17046	0.400	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	6693	0.325	ng	# 69
21) Hexachlorobenzene	16.50	284	6338	0.318	ng	98
22) Pentachlorophenol	16.85	266	3615	1.319	ng	93
23) Phenanthrene	17.25	178	34137	0.364	ng	99
24) Anthracene	17.33	178	30537	0.360	ng	100
26) Fluoranthene	19.26	202	45203	0.378	ng	99
28) Pyrene	19.63	202	47317	0.372	ng	100
30) Benzo(a)anthracene	21.37	228	47107	0.373	ng	99
31) Chrysene	21.41	228	47529	0.352	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	59738	0.396	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	14286	0.112	ng	# 29
35) Benzo(b)fluoranthene	23.12	252	40790	0.352	ng	98
36) Benzo(k)fluoranthene	23.17	252	47652	0.389	ng	100
37) Benzo(a)pyrene	23.78	252	41546	0.384	ng	99
38) Dibenzo(a,h)anthracene	26.58	278	30564	0.318	ng	98
39) Benzo(g,h,i)perylene	27.37	276	31152	0.323	ng	97

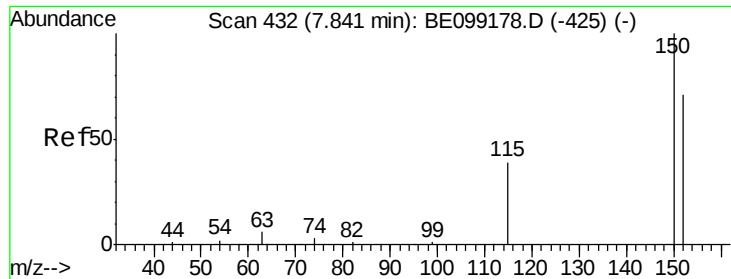
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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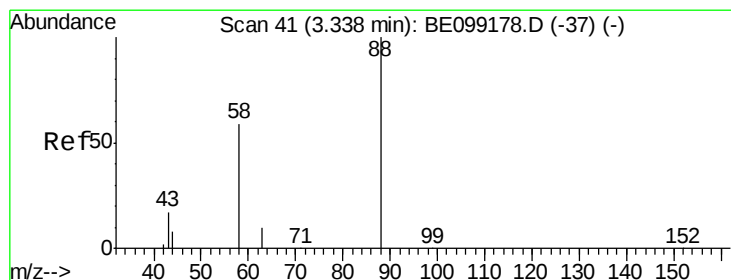
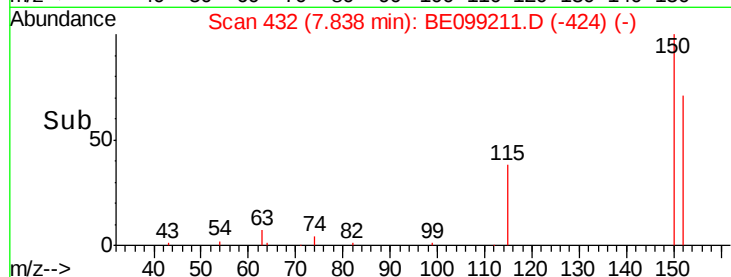
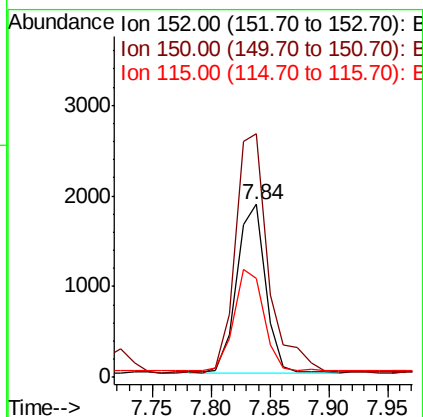
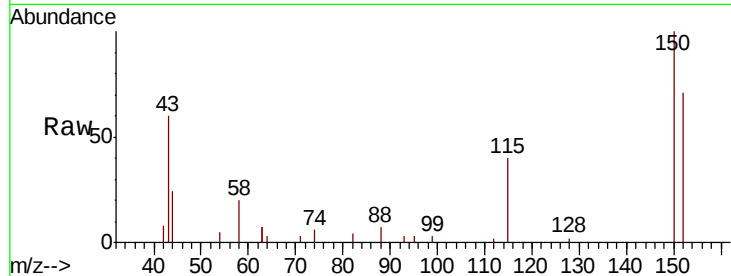


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Instrument :
BNA_E
ClientSampleId :

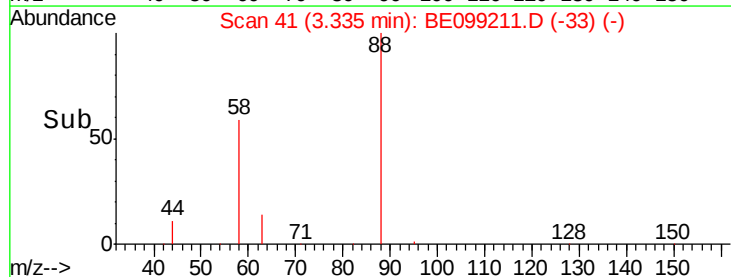
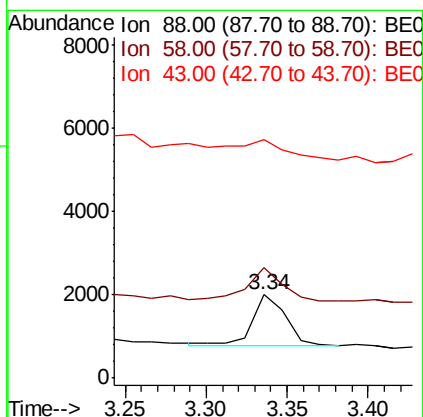
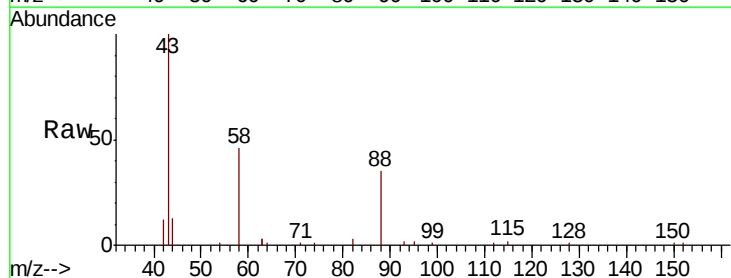
Tot Ion:152 Resp: 3159
Ion Ratio Lower Upper
152 100
150 140.7 112.8 169.2
115 57.0 45.1 67.7



#2

1,4-Dioxane
Concen: 0.412 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Tgt Ion: 88 Resp: 1717
Ion Ratio Lower Upper
88 100
58 74.7 47.4 71.0#
43 0.0 15.6 23.4#



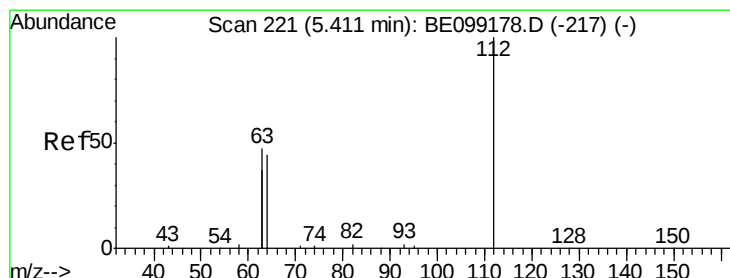
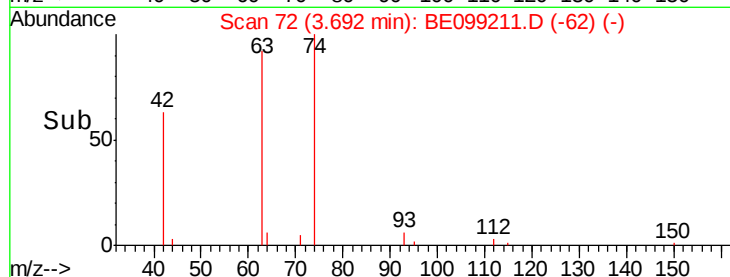
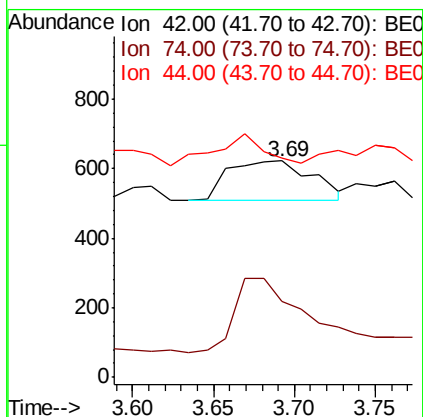
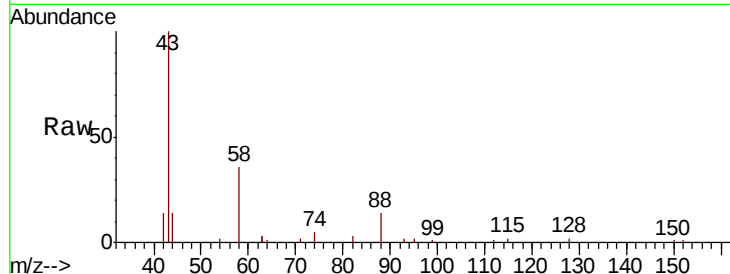


#3

n-Nitrosodimethylamine
 Concen: 0.174 ng
 RT: 3.69 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: BE099211.D
 Acq: 26 Mar 2019 11:45

Instrument :
 BNA_E
 ClientSampleId :

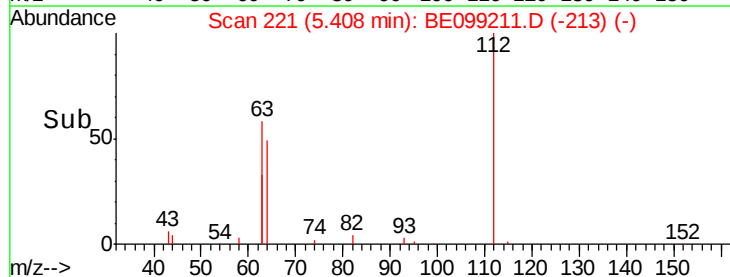
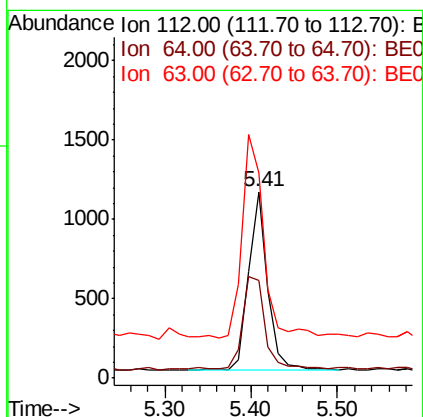
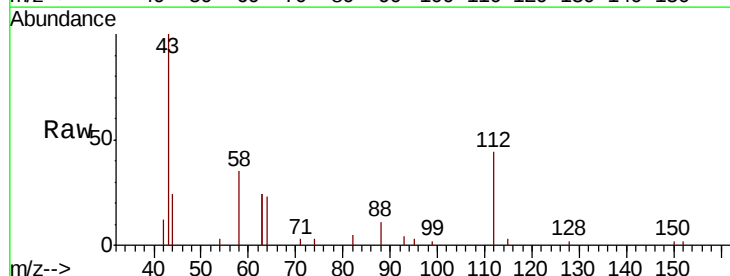
Tot Ion: 42 Resp: 406
 Ion Ratio Lower Upper
 42 100
 74 0.0 138.6 207.8#
 44 0.0 15.0 22.6#

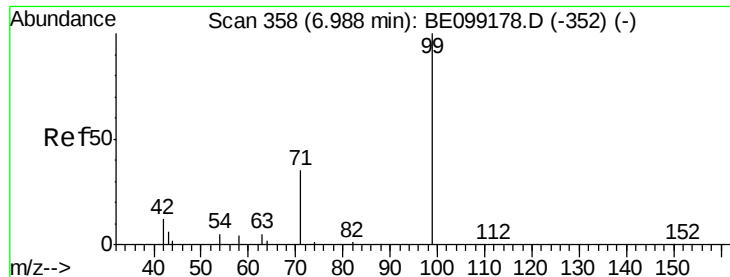


#4

2-Fluorophenol
 Concen: 0.187 ng
 RT: 5.41 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: BE099211.D
 Acq: 26 Mar 2019 11:45

Tgt Ion: 112 Resp: 1761
 Ion Ratio Lower Upper
 112 100
 64 58.7 46.2 69.2
 63 126.2 89.9 134.9





#5

Phenol-d6

Concen: 0.113 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampled :

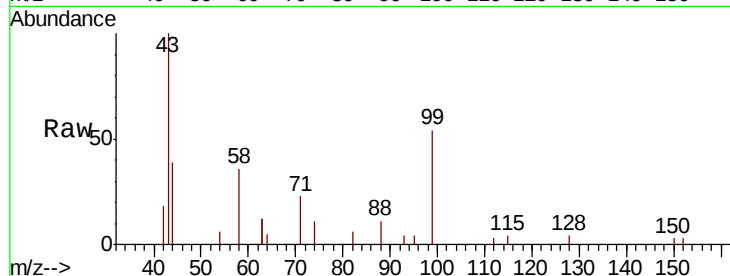
Tot Ion: 99 Resp: 1624

Ion Ratio Lower Upper

99 100

42 17.5 12.4 18.6

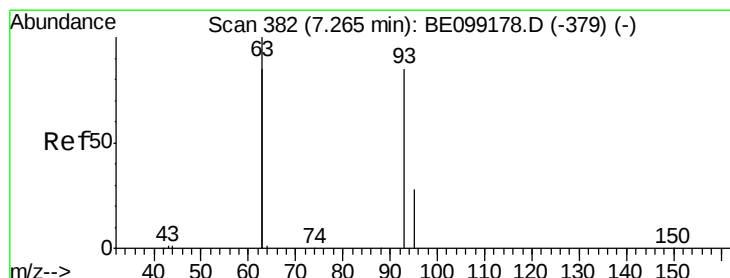
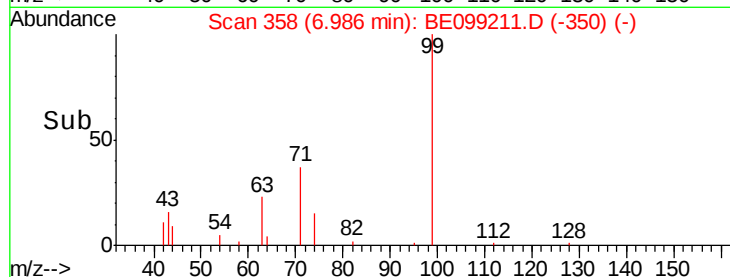
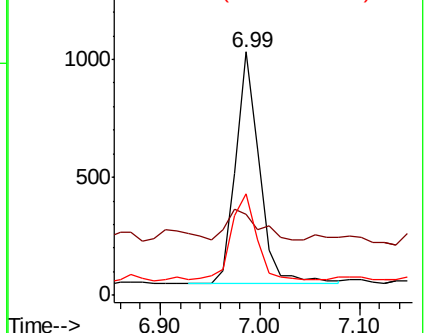
71 40.1 28.4 42.6



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: 0.356 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

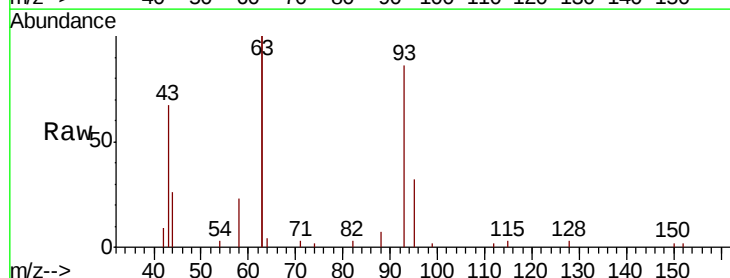
Tgt Ion: 93 Resp: 4038

Ion Ratio Lower Upper

93 100

63 291.1 221.4 332.0

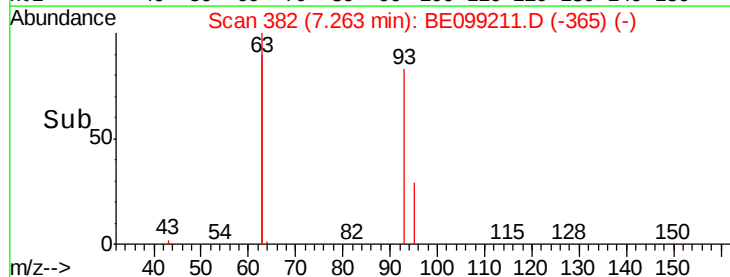
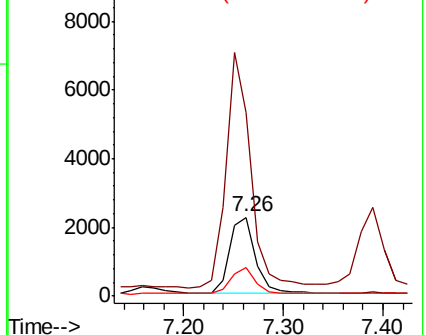
95 32.4 25.8 38.8

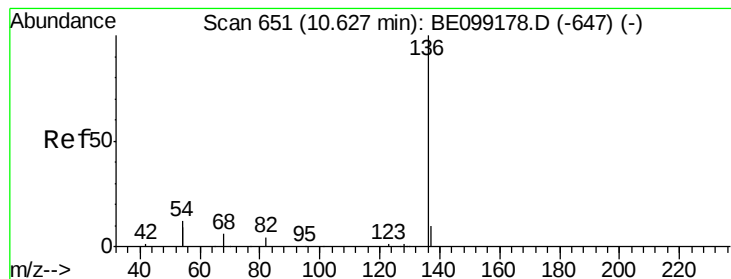


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13104

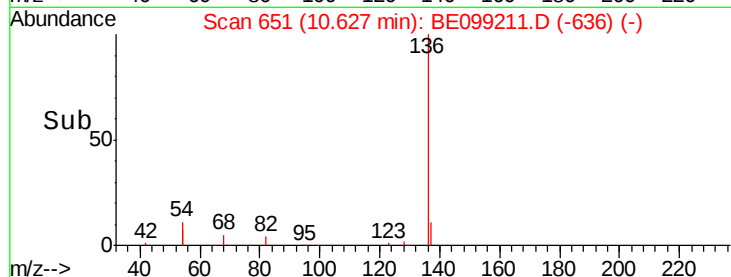
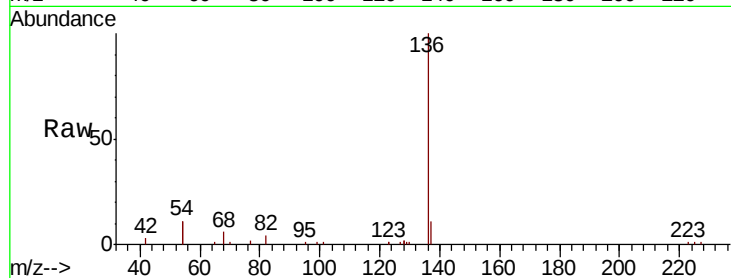
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 21.2 18.7 28.1

68 5.8 5.2 7.8

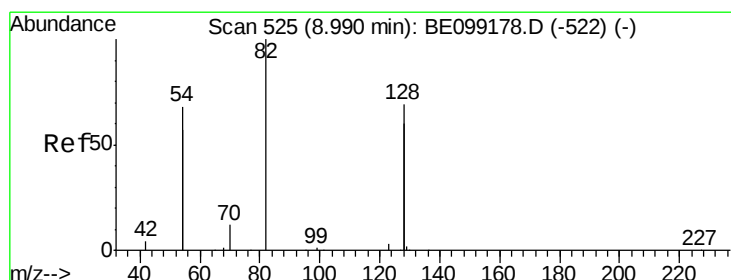
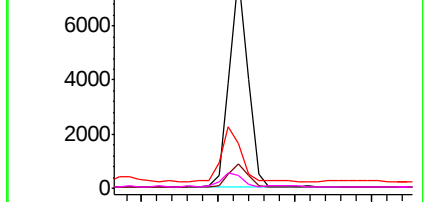


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.373 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

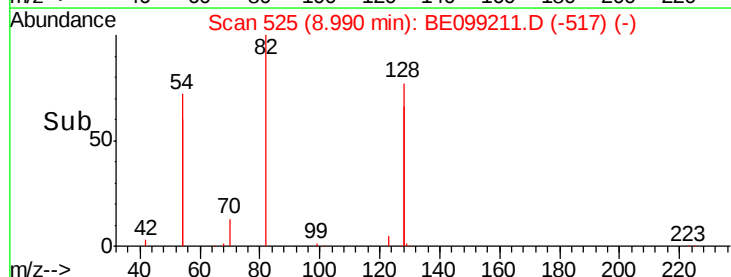
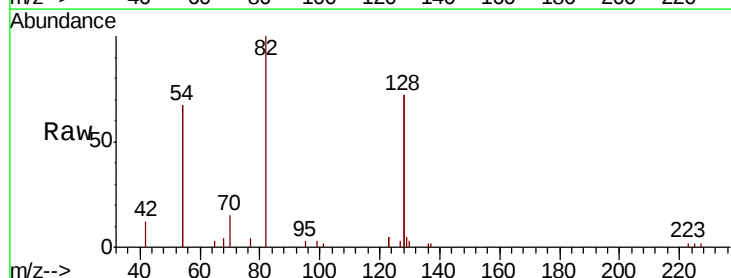
Tgt Ion: 82 Resp: 3989

Ion Ratio Lower Upper

82 100

128 143.1 107.5 161.3

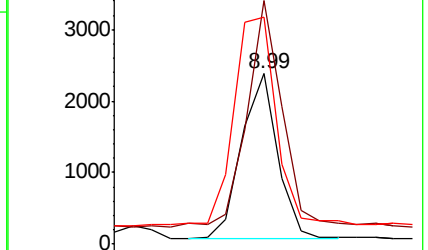
54 133.4 106.3 159.5

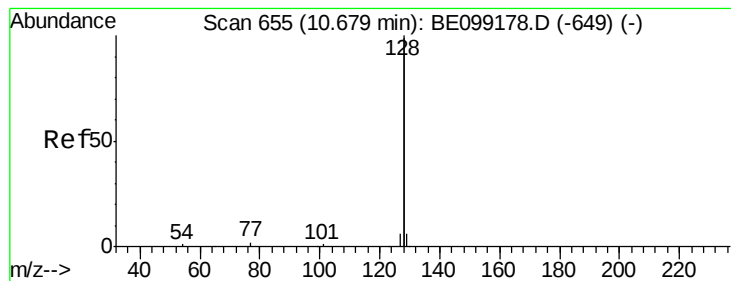


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.363 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

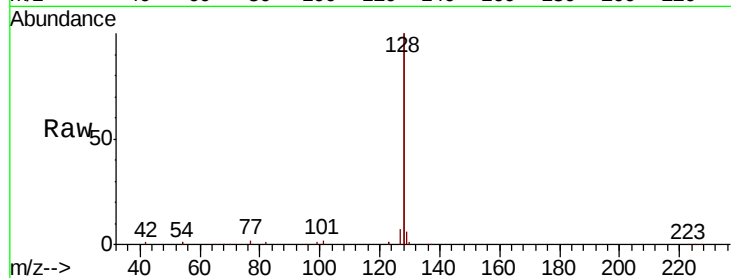
Tot Ion:128 Resp: 56175

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

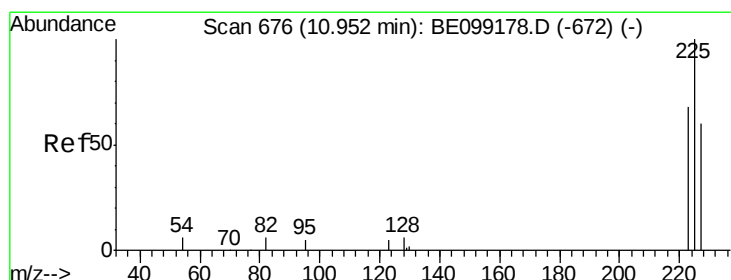
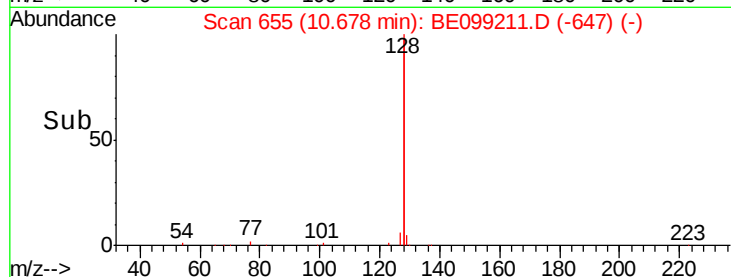
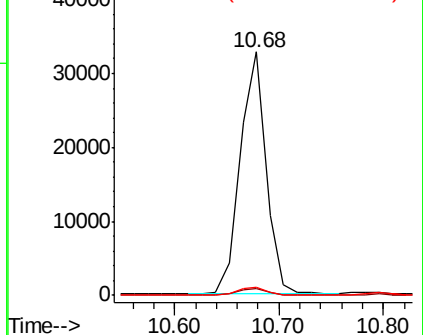
127 3.3 2.6 3.8



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: 0.338 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

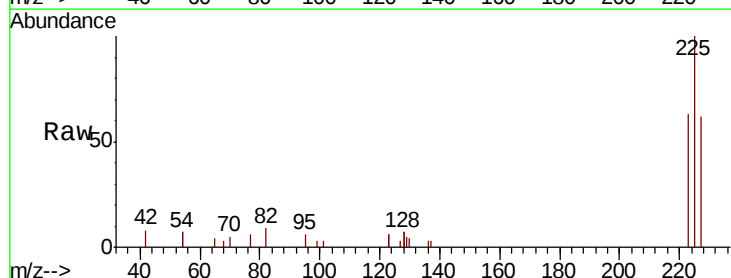
Tgt Ion:225 Resp: 2780

Ion Ratio Lower Upper

225 100

223 63.5 51.3 76.9

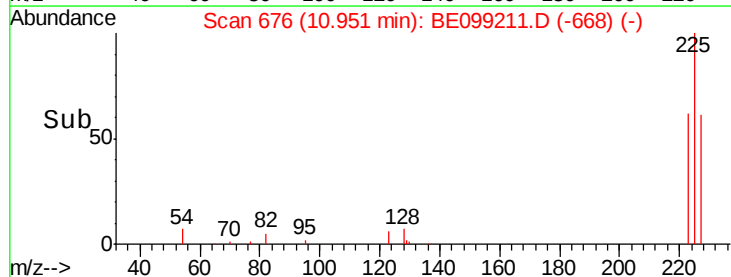
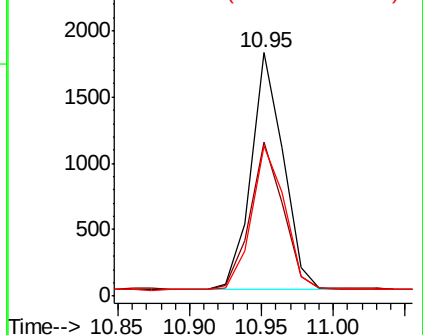
227 63.5 48.6 73.0

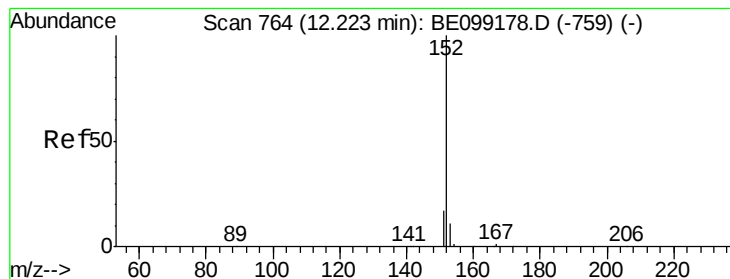


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.547 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

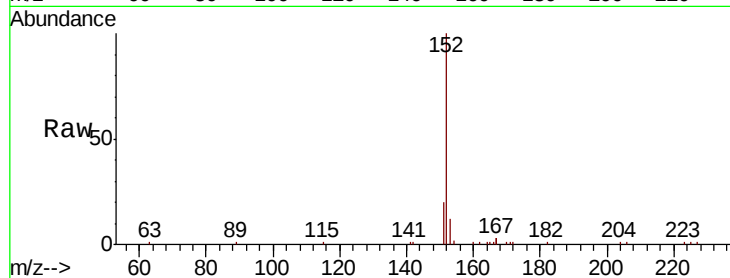
ClientSampleId :

Tot Ion:152 Resp: 13808

Ion Ratio Lower Upper

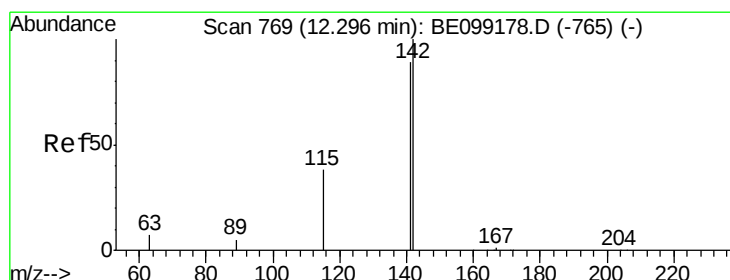
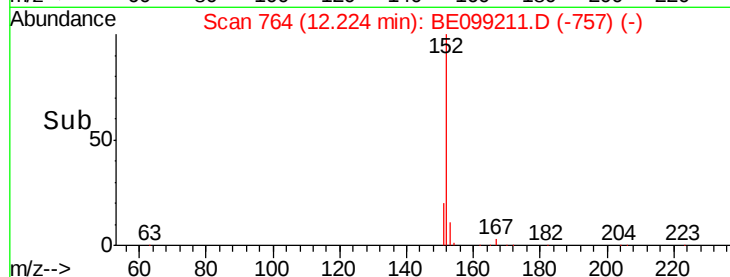
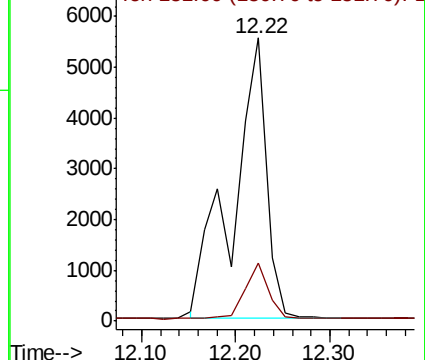
152 100

151 13.8 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: 0.368 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

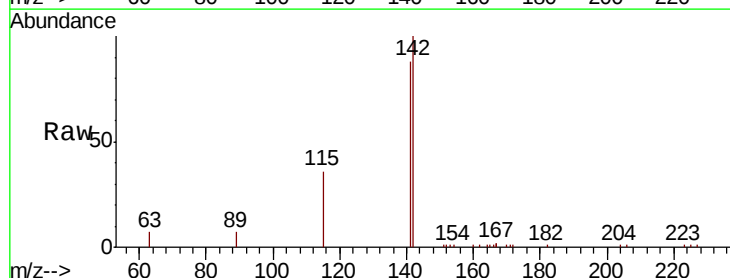
Tgt Ion:142 Resp: 10177

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9

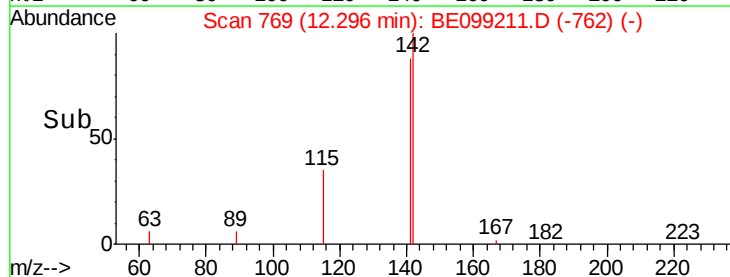
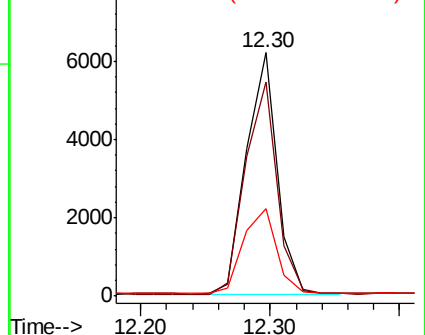
115 36.1 30.4 45.6



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

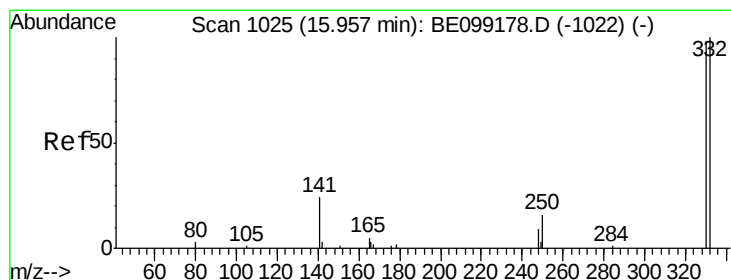
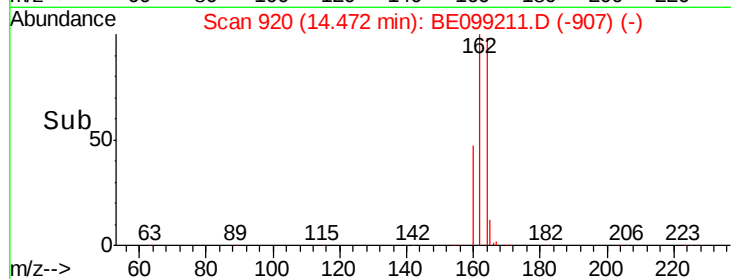
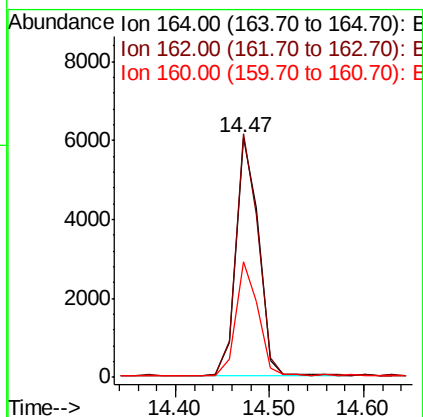
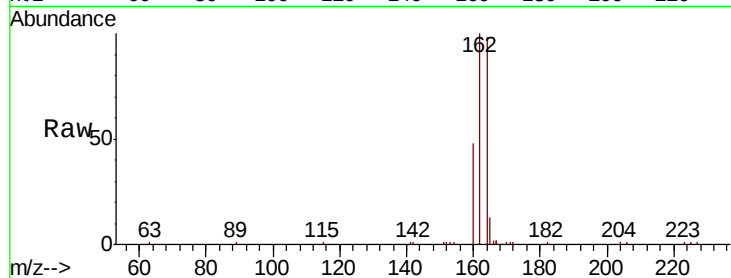




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

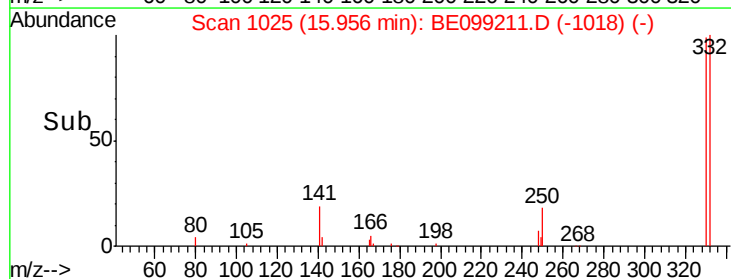
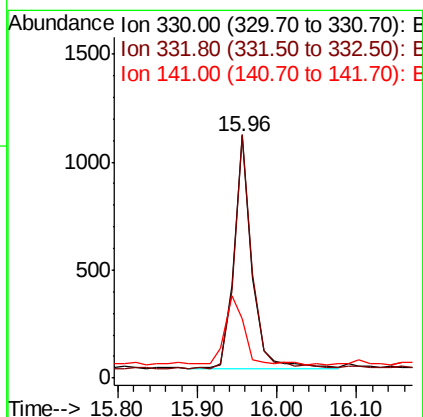
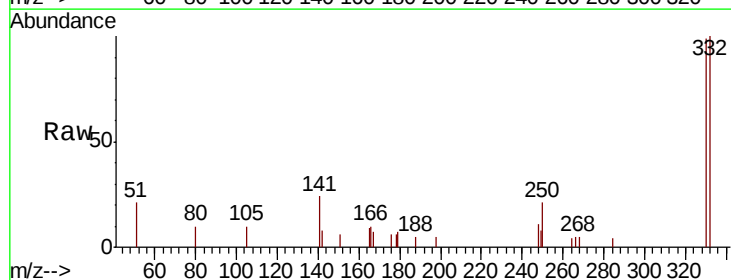
Instrument :
BNA_E
ClientSampleId :

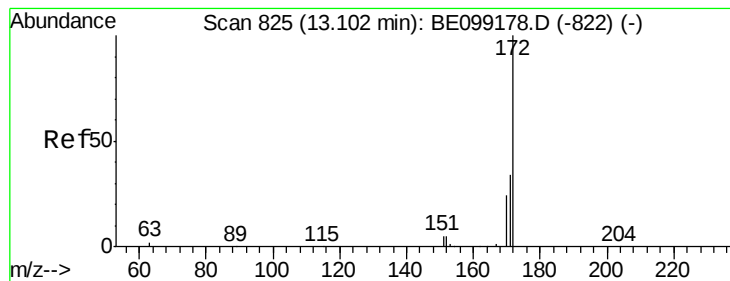
Tot Ion:164 Resp: 9941
Ion Ratio Lower Upper
164 100
162 101.8 79.2 118.8
160 48.6 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.528 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Tgt Ion:330 Resp: 1697
Ion Ratio Lower Upper
330 100
332 98.1 71.3 106.9
141 31.9 21.7 32.5

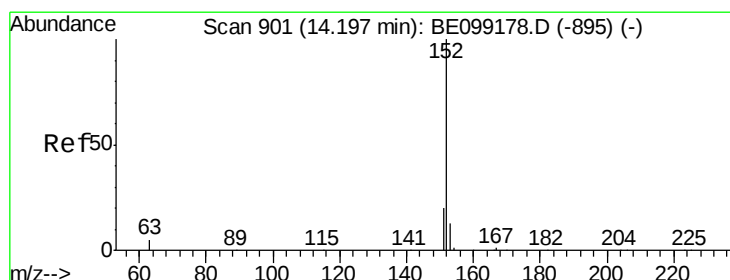
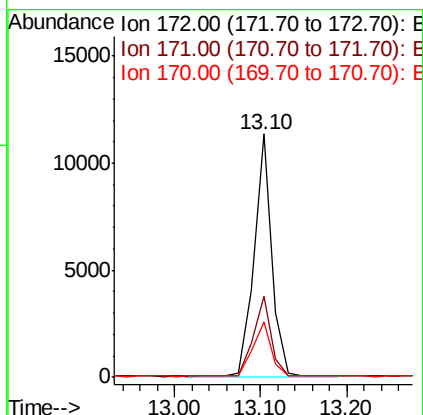
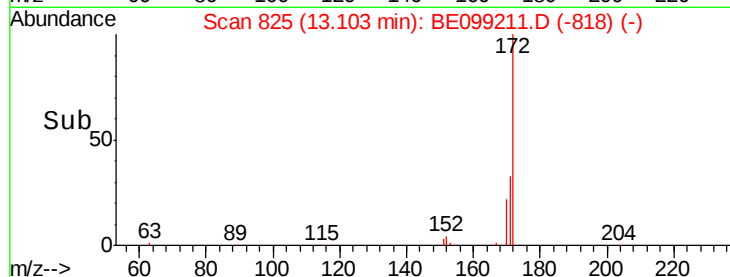
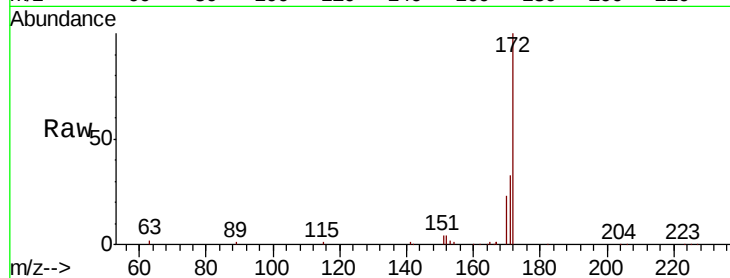




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

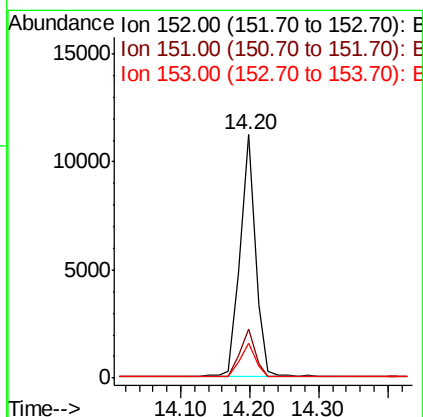
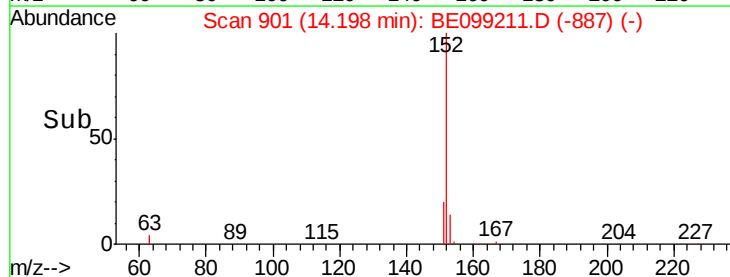
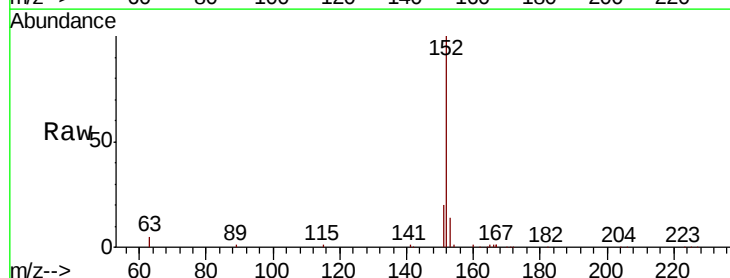
Instrument :
BNA_E
ClientSampleId :

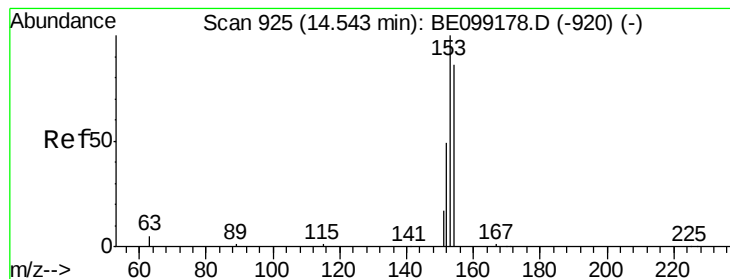
Tot Ion:172 Resp: 16111
Ion Ratio Lower Upper
172 100
171 33.3 27.4 41.0
170 22.6 19.1 28.7



#16
Acenaphthylene
Concen: 0.348 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Tgt Ion:152 Resp: 17635
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 14.1 10.6 15.8





#17

Acenaphthene

Concen: 0.374 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

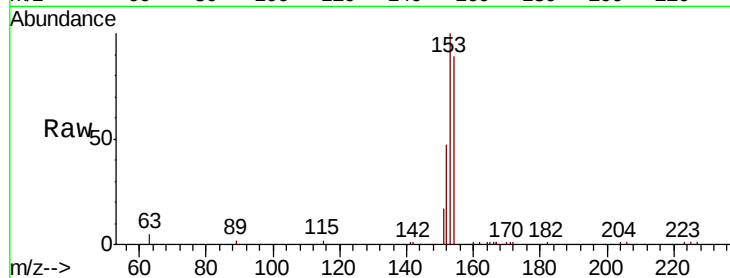
Tot Ion:154 Resp: 11331

Ion Ratio Lower Upper

154 100

153 114.1 93.4 140.0

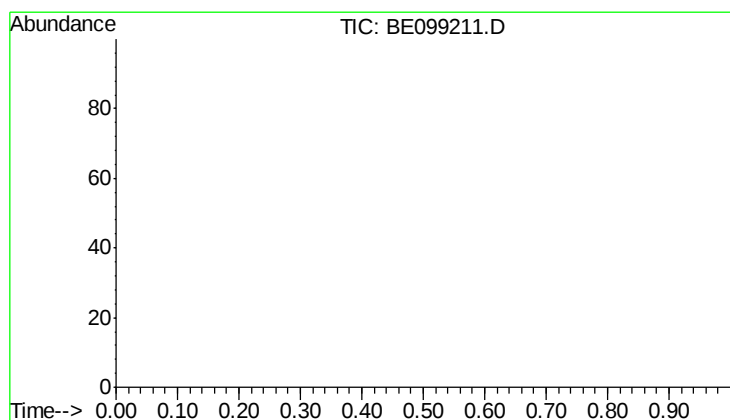
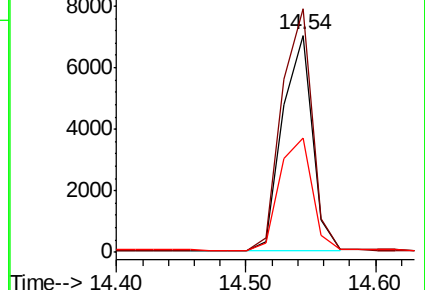
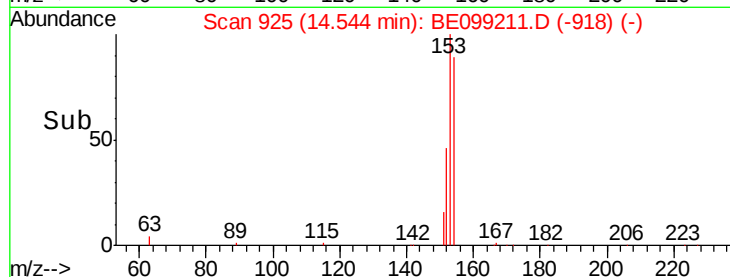
152 56.6 46.6 69.8



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

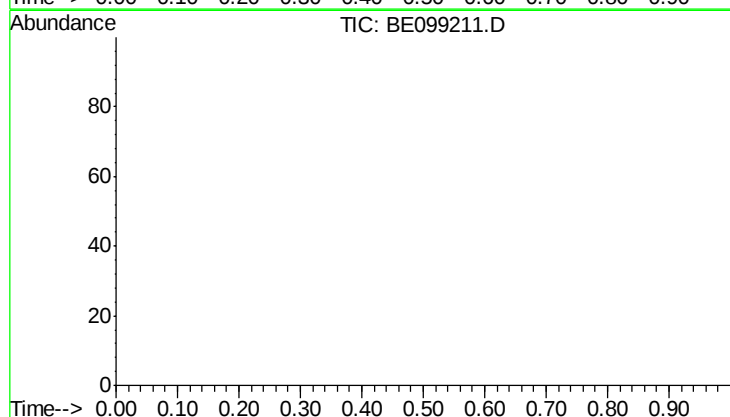
Concen: 0.000

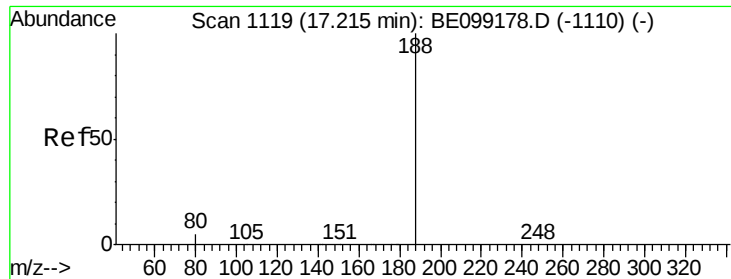
Expected RT: 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Tgt Ion: TIC





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

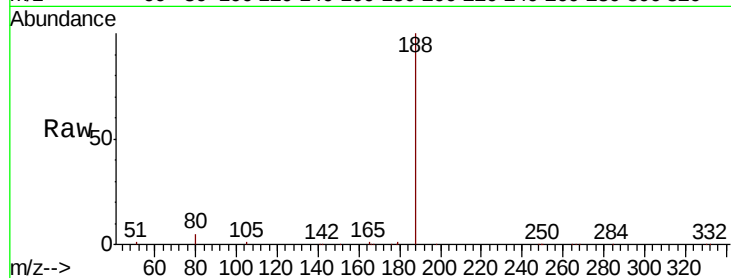
Tot Ion:188 Resp: 31946

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

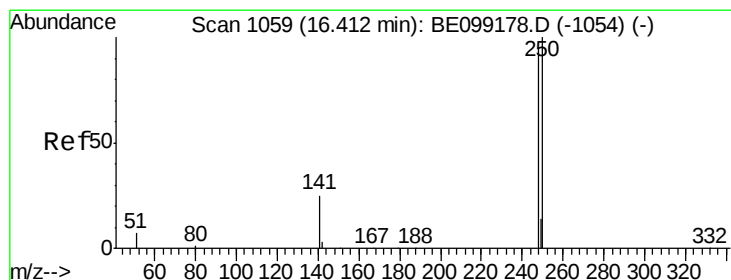
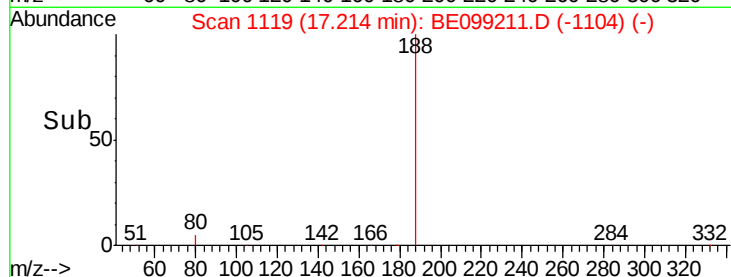
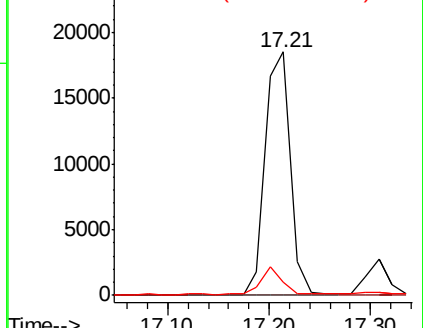
80 5.2 4.5 6.7



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: 0.325 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

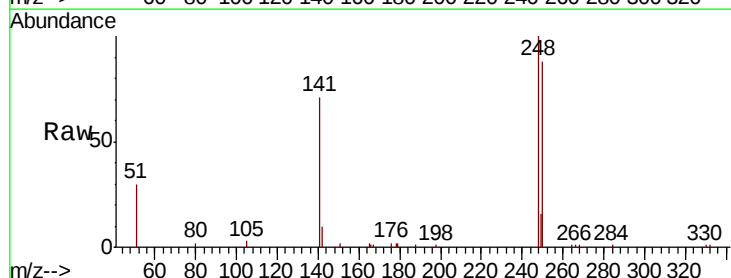
Tgt Ion:248 Resp: 6693

Ion Ratio Lower Upper

248 100

250 87.9 84.2 126.2

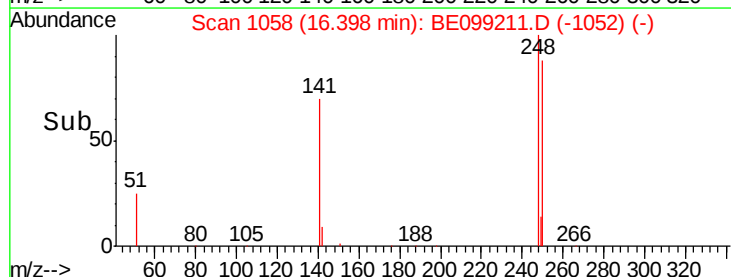
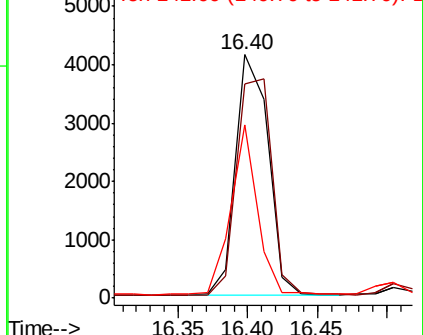
141 71.4 21.8 32.6#

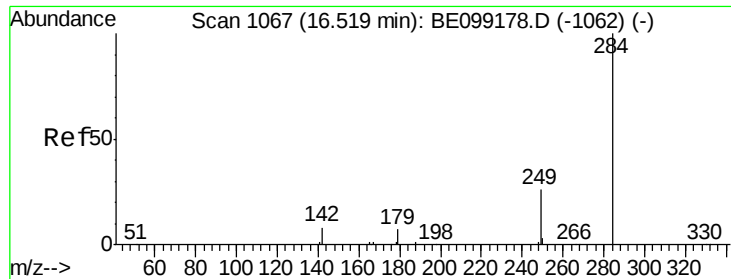


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.318 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

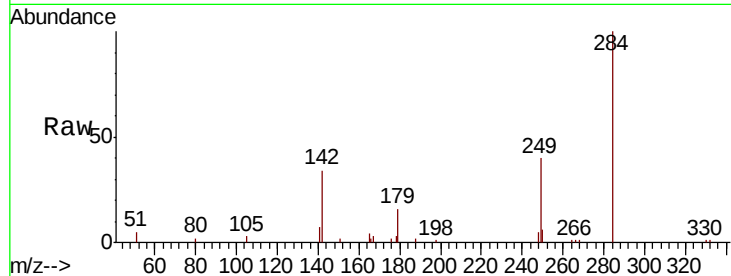
Tot Ion:284 Resp: 6338

Ion Ratio Lower Upper

284 100

142 30.0 22.7 34.1

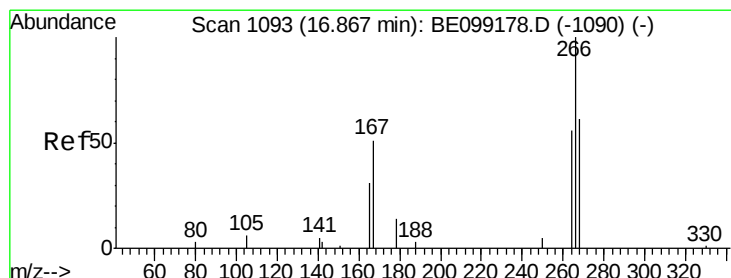
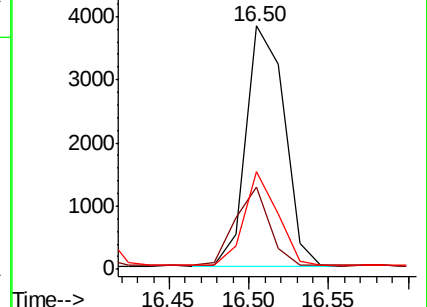
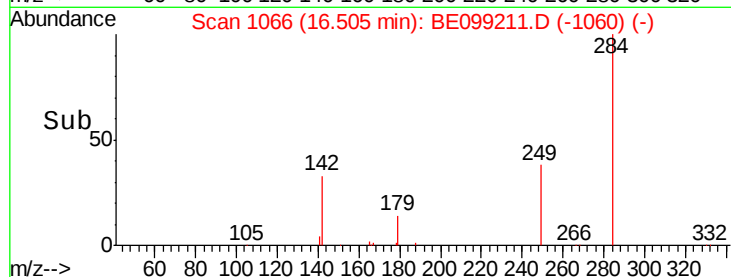
249 33.9 26.9 40.3



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: 1.319 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

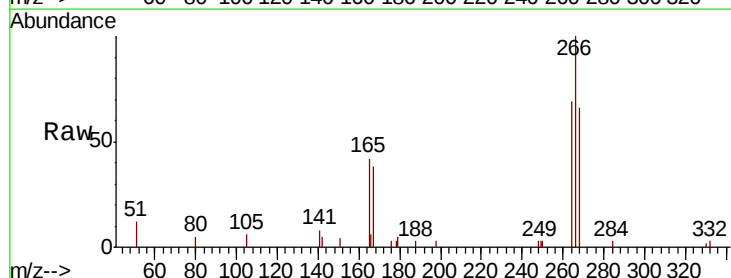
Tgt Ion:266 Resp: 3615

Ion Ratio Lower Upper

266 100

264 68.9 54.4 81.6

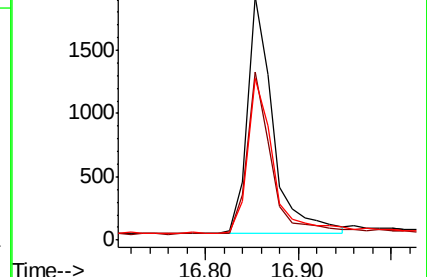
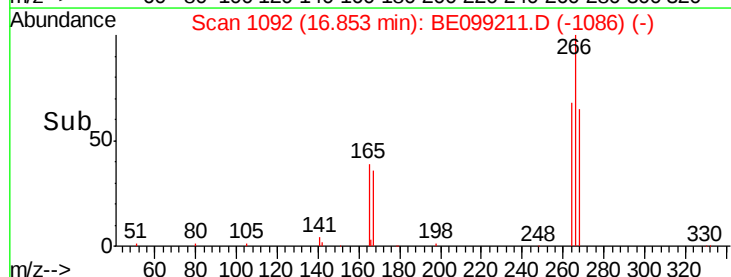
268 66.4 61.3 91.9

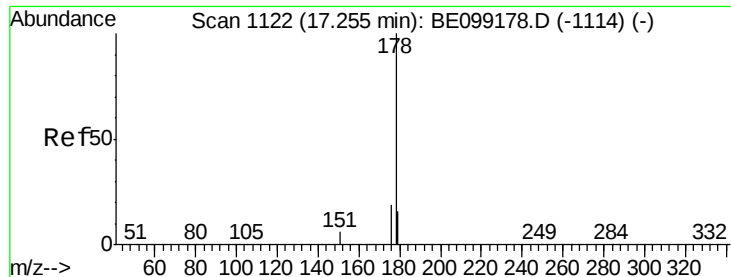


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.364 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

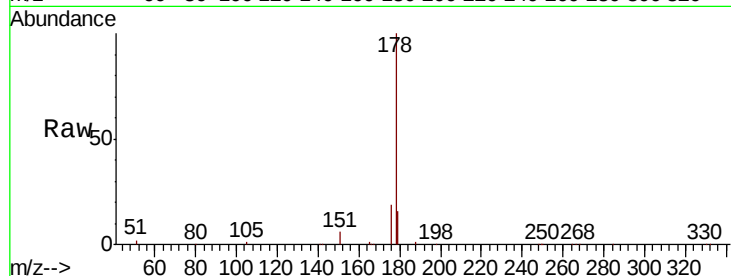
Tot Ion:178 Resp: 34137

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

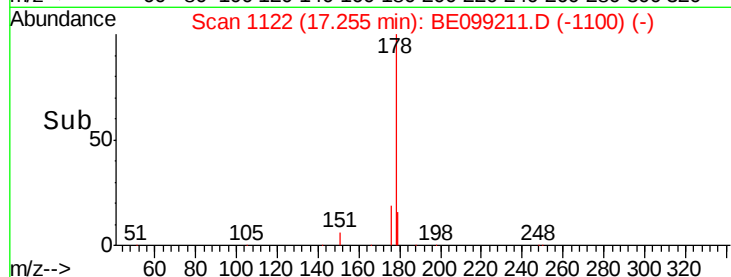
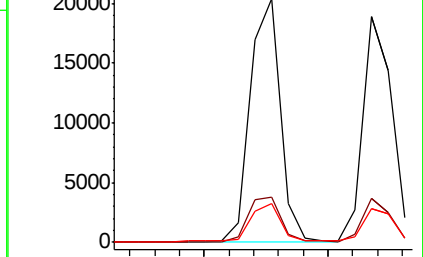
179 15.6 12.3 18.5



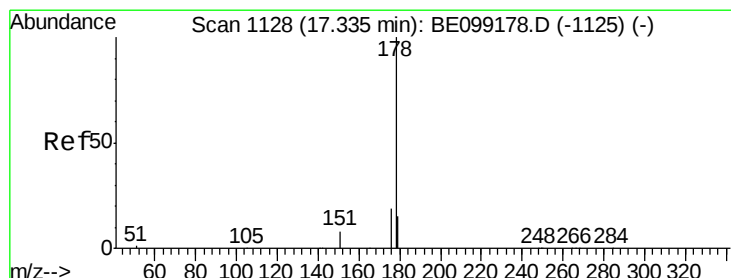
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.360 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

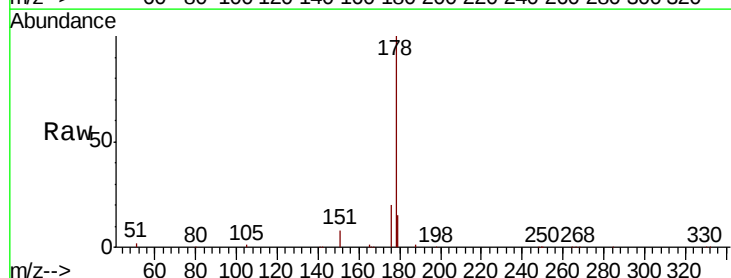
Tgt Ion:178 Resp: 30537

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

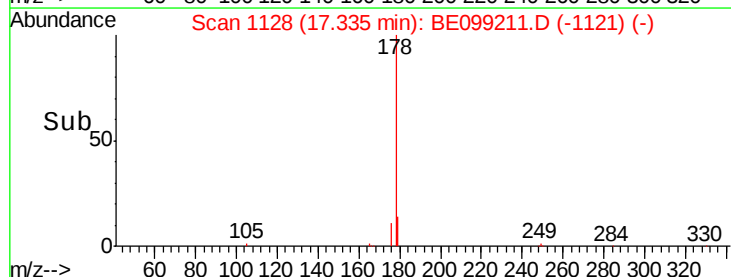
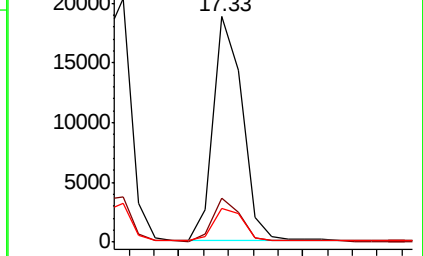
179 15.4 12.4 18.6



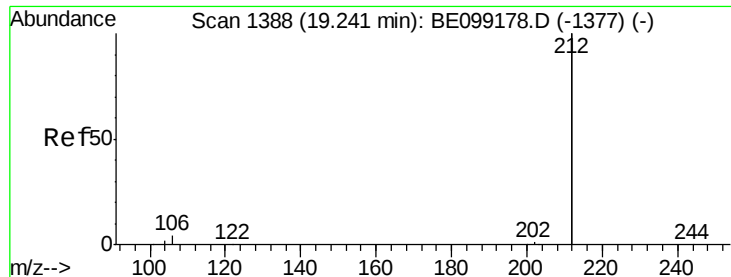
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

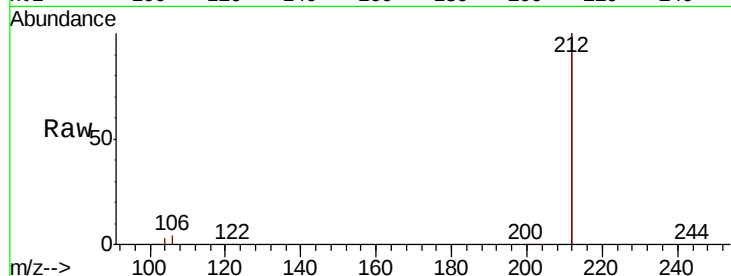
Tot Ion:212 Resp: 156654

Ion Ratio Lower Upper

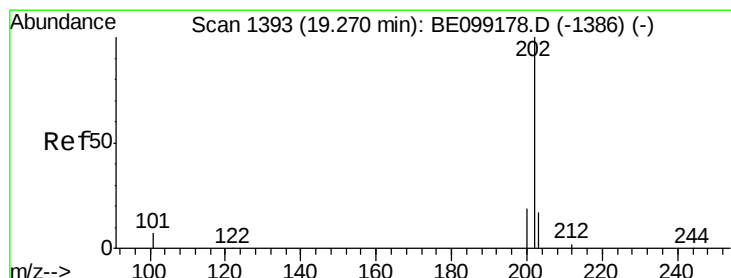
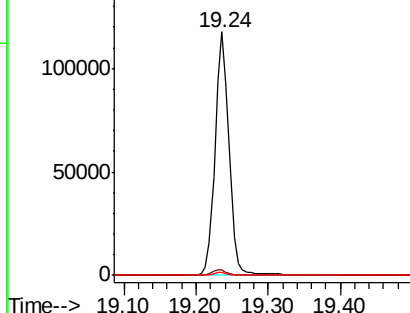
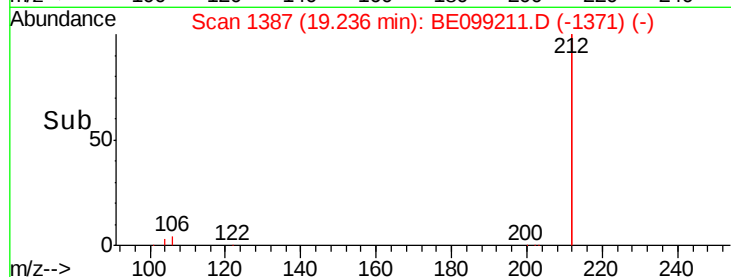
212 100

106 2.3 1.8 2.8

104 1.3 1.1 1.7



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: 0.378 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

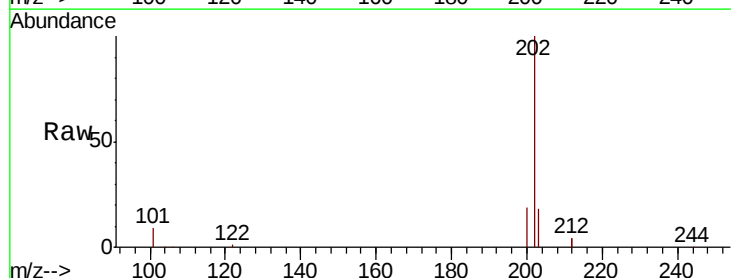
Tgt Ion:202 Resp: 45203

Ion Ratio Lower Upper

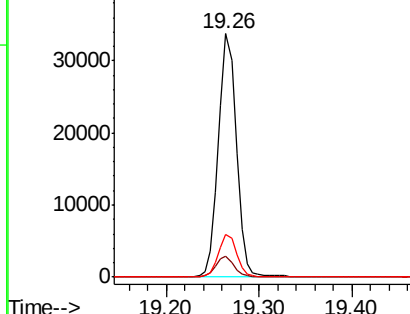
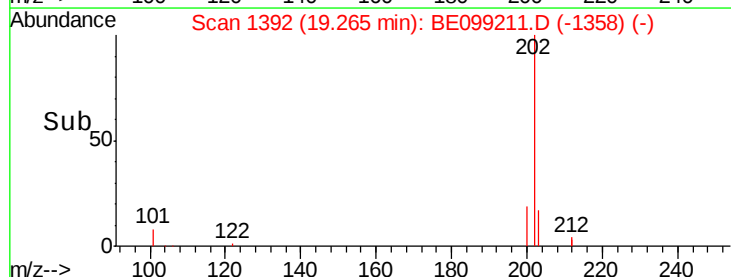
202 100

101 8.3 7.0 10.4

203 17.6 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: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

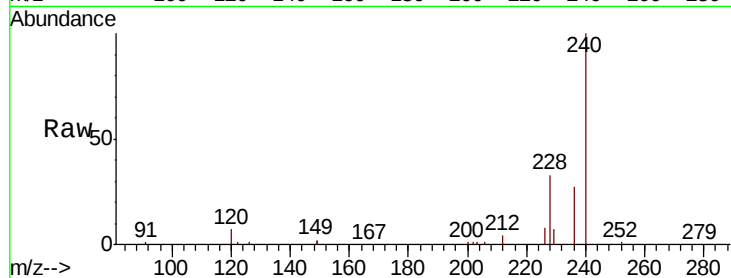
Tot Ion:240 Resp: 38297

Ion Ratio Lower Upper

240 100

120 6.6 2.6 3.8#

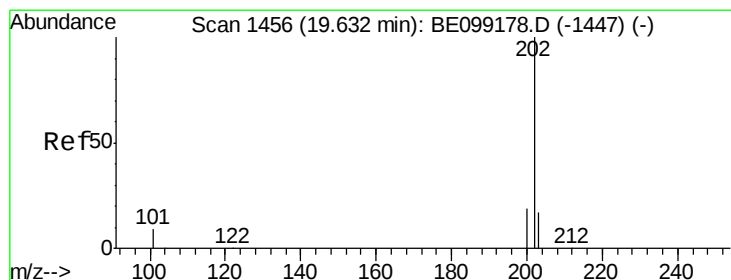
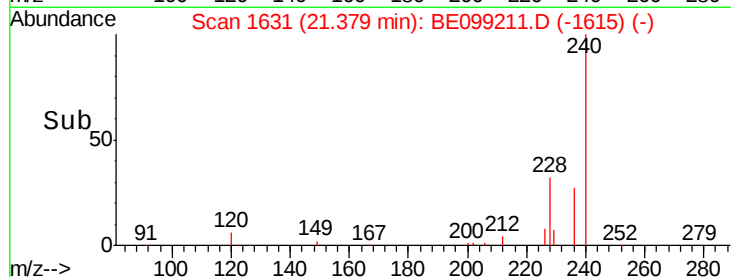
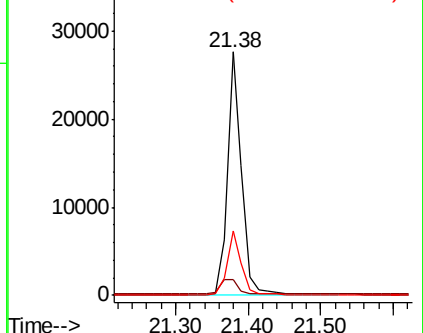
236 26.7 20.9 31.3



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

Pyrene

Concen: 0.372 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

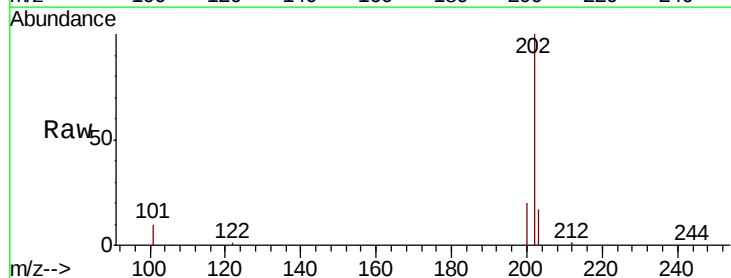
Tgt Ion:202 Resp: 47317

Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.8

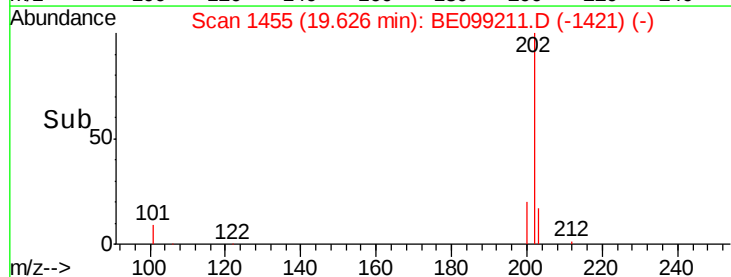
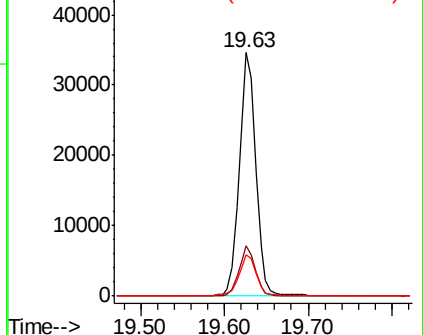
203 17.8 14.1 21.1



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: 0.380 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

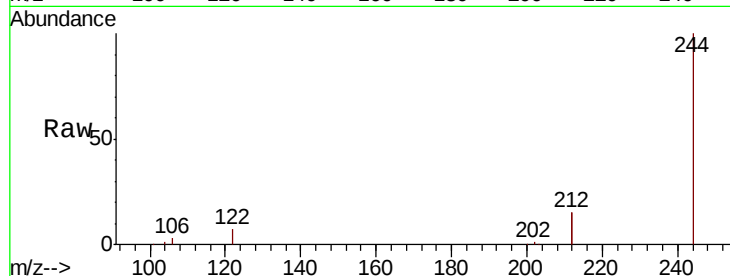
Tot Ion:244 Resp: 31656

Ion Ratio Lower Upper

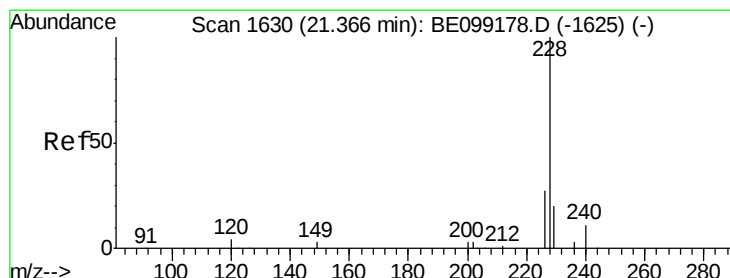
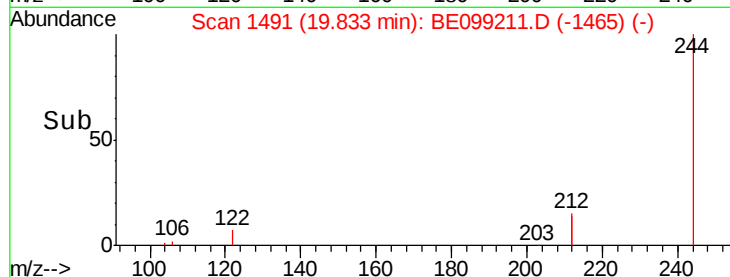
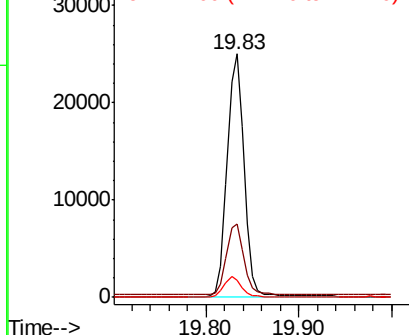
244 100

212 30.1 22.7 34.1

122 7.1 5.8 8.6



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: 0.373 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

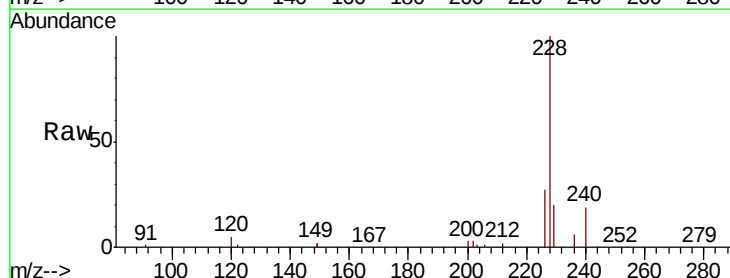
Tgt Ion:228 Resp: 47107

Ion Ratio Lower Upper

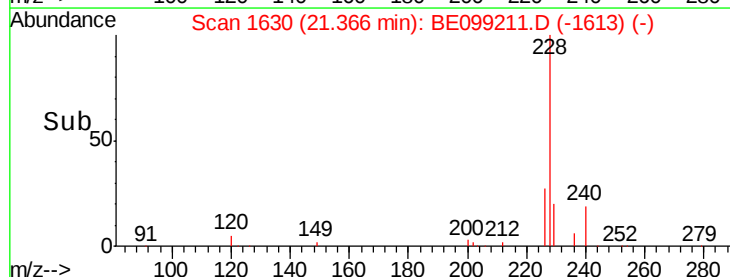
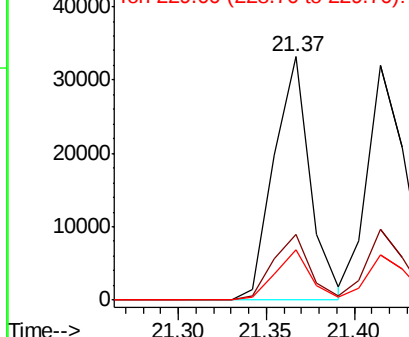
228 100

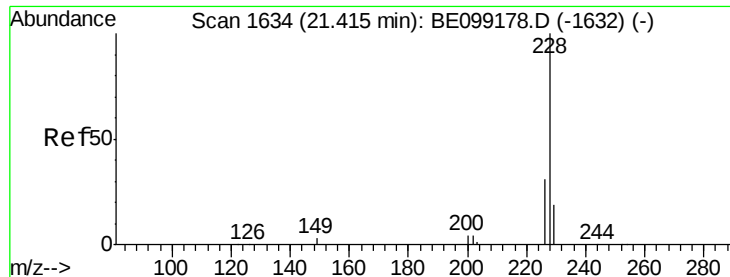
226 26.7 21.7 32.5

229 20.4 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: 0.352 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

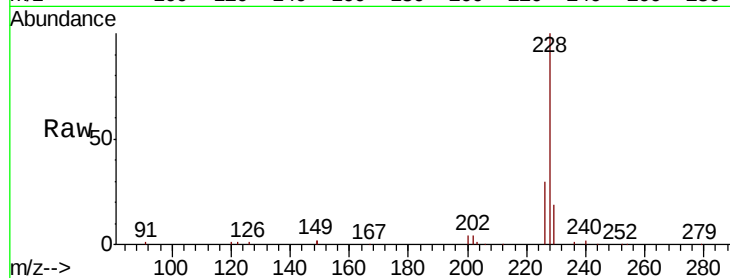
Tot Ion:228 Resp: 47529

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

229 19.4 15.4 23.0

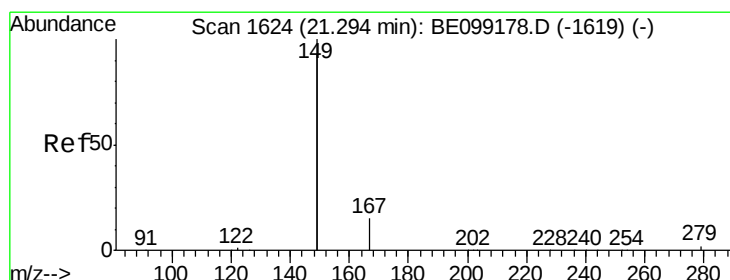
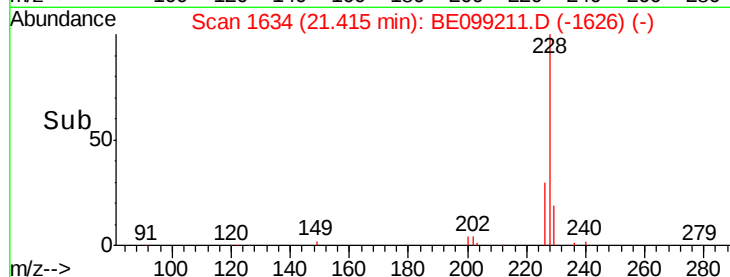
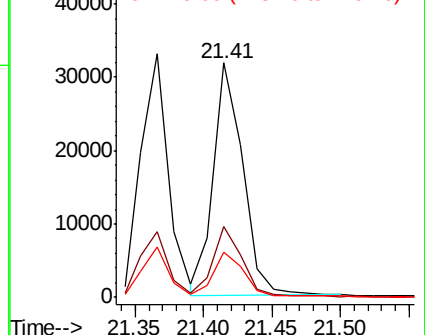


Abundance

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: 0.396 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

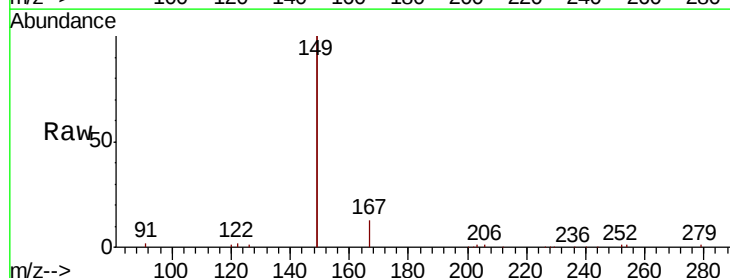
Tgt Ion:149 Resp: 59738

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

279 1.2 1.0 1.6

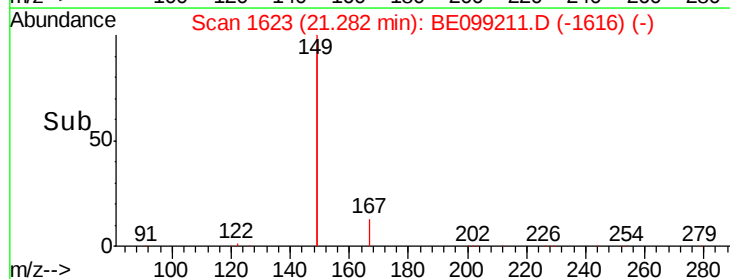
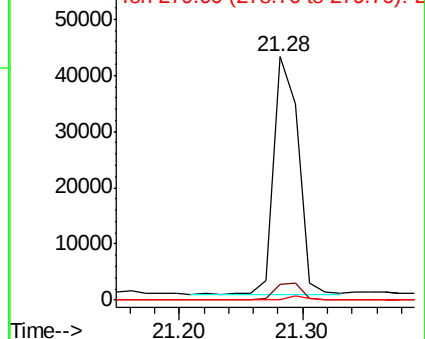


Abundance

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

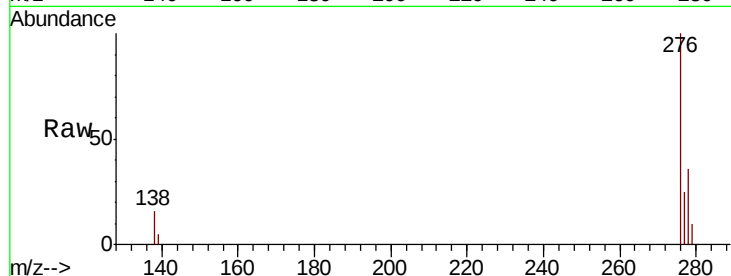




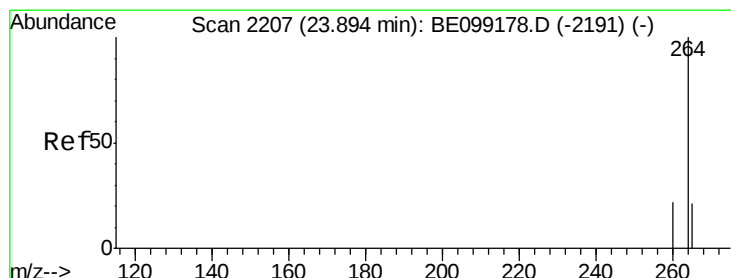
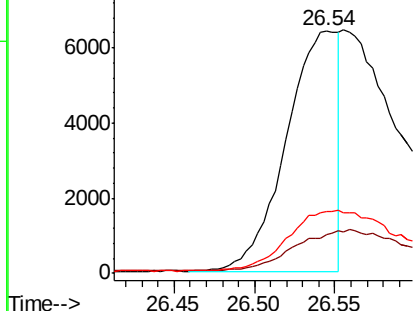
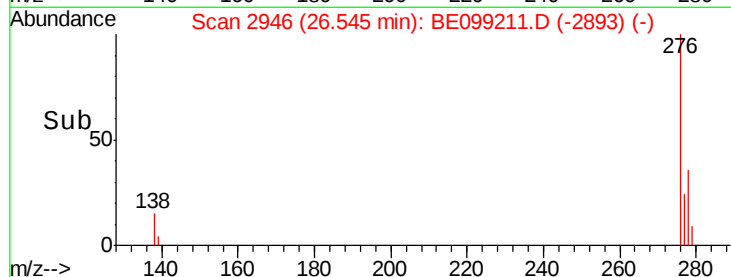
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.112 ng
RT: 26.54 min Scan# 2946
Delta R.T. -0.01 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 14286
Ion Ratio Lower Upper
276 100
138 41.0 12.9 19.3#
277 61.5 18.3 27.5#

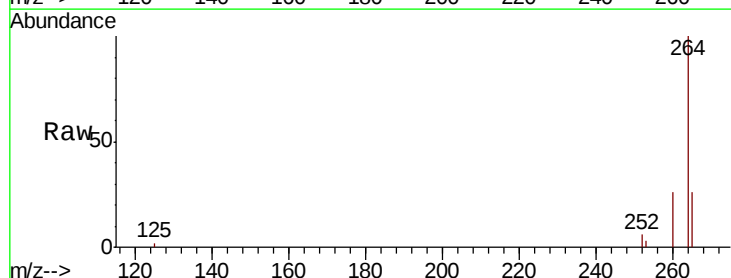


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

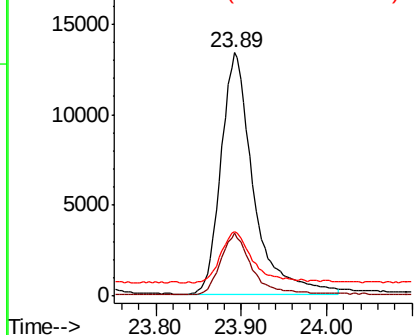
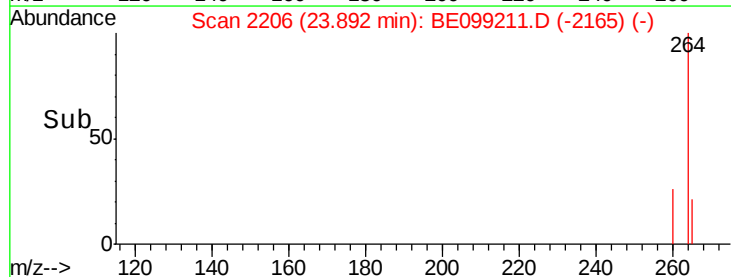


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Tgt Ion:264 Resp: 35223
Ion Ratio Lower Upper
264 100
260 25.8 18.2 27.2
265 26.4 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

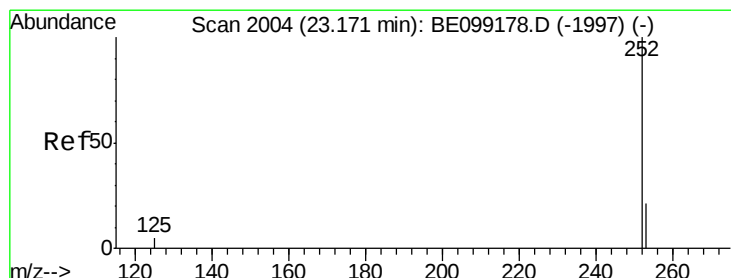
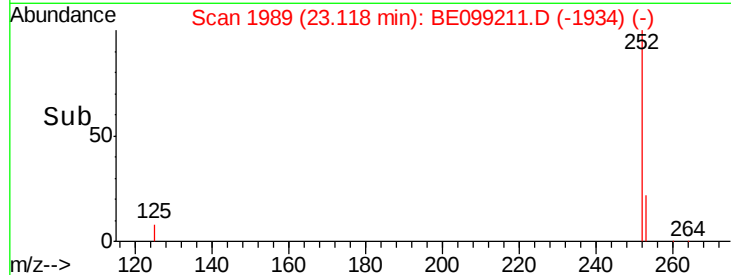
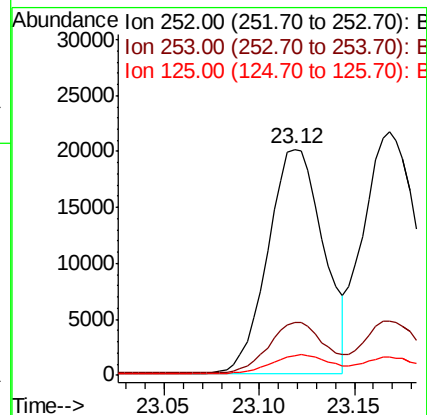
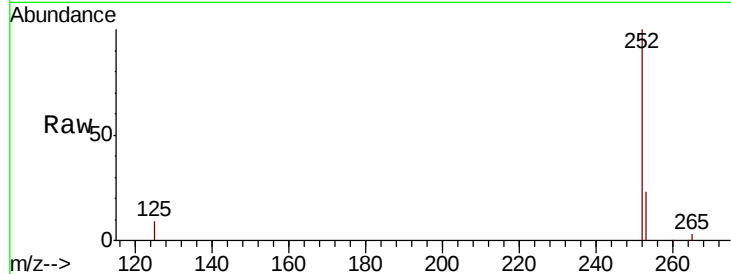
Tot Ion:252 Resp: 40790

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 8.5 6.1 9.1



#36

Benzo(k)fluoranthene

Concen: 0.389 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

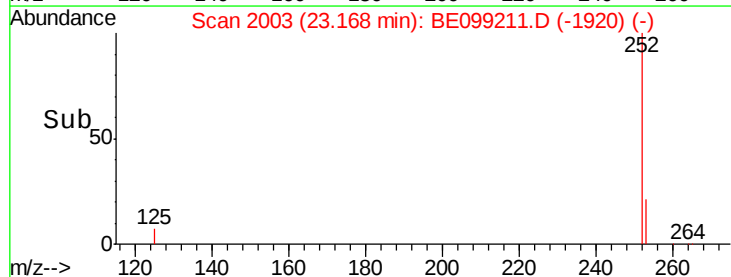
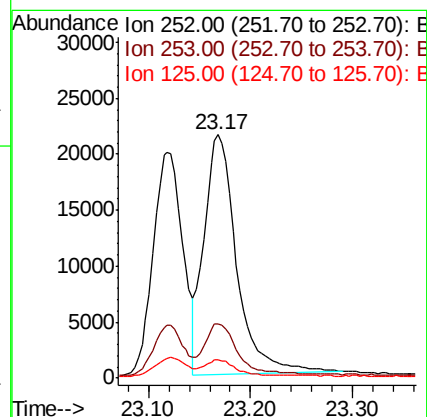
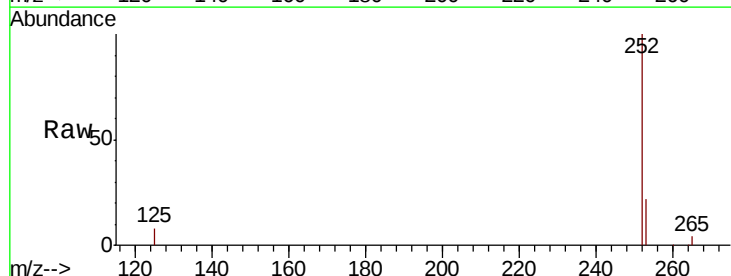
Tgt Ion:252 Resp: 47652

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 7.5 5.9 8.9

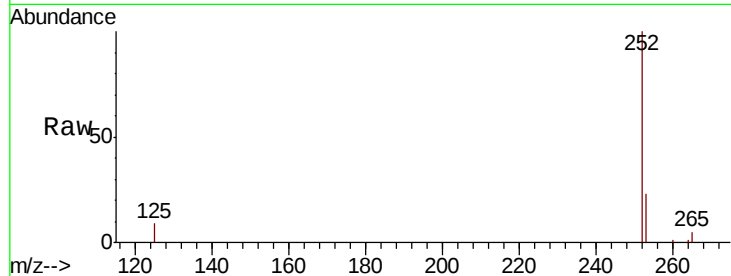




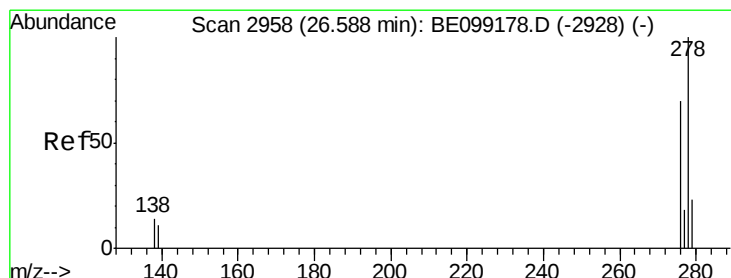
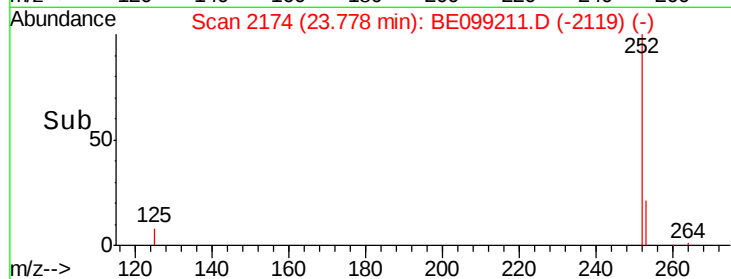
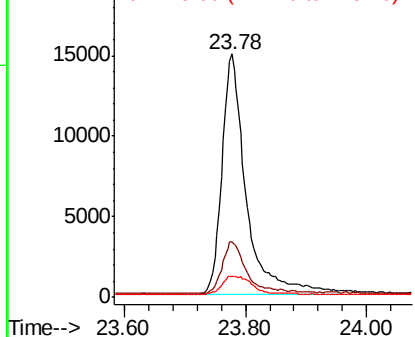
#37
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 41546
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 8.8 6.8 10.2

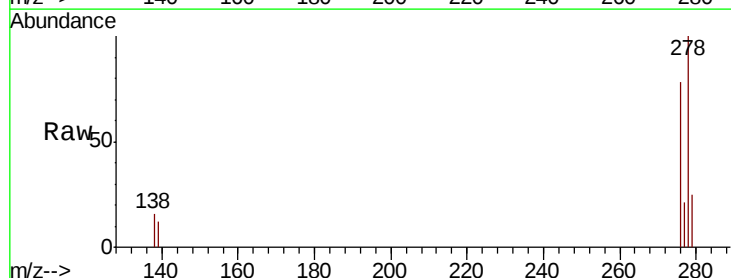


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

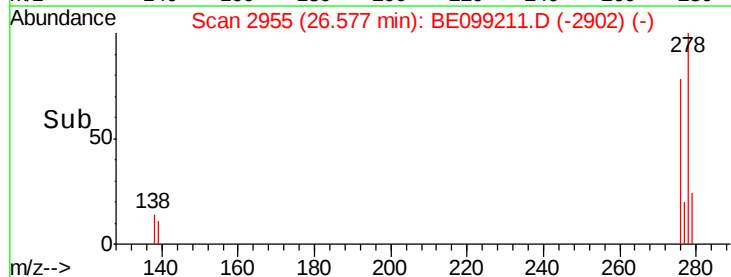
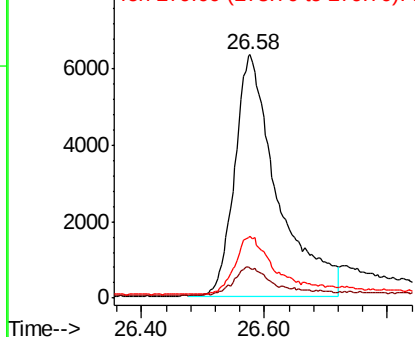


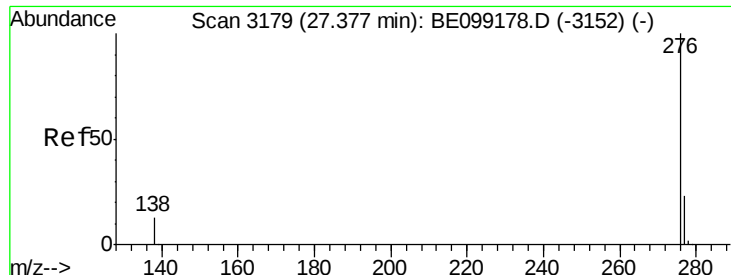
#38
Dibenzo(a,h)anthracene
Concen: 0.318 ng
RT: 26.58 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BE099211.D
Acq: 26 Mar 2019 11:45

Tgt Ion:278 Resp: 30564
Ion Ratio Lower Upper
278 100
139 12.1 9.5 14.3
279 25.3 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(a,h,i)perylene

Concen: 0.323 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE099211.D

Acq: 26 Mar 2019 11:45

Instrument :

BNA_E

ClientSampleId :

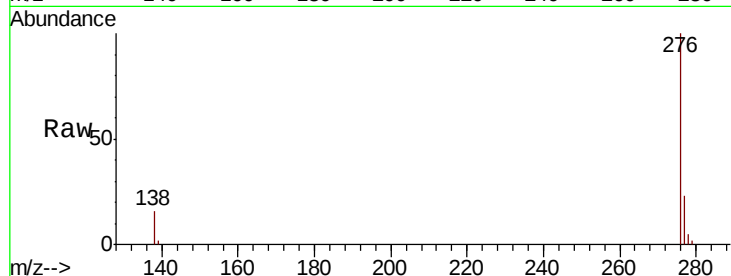
Tot Ion: 276 Resp: 31152

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 15.8 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

