

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030819\
 Data File : BE098836.D
 Acq On : 8 Mar 2019 16:10
 Operator : JU/SJ
 Sample : K1793-09MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-20190306MSD

Quant Time: Mar 09 00:45:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	771	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3146	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	1947	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	5285	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	6885	0.40	ng	-0.01
34) Perylene-d12	23.90	264	6965	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	373	0.16	ng	0.00
5) Phenol-d6	7.00	99	297	0.09	ng	0.01
8) Nitrobenzene-d5	8.96	82	1232	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	2867	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	459	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	3772	0.47	ng	-0.01
25) Fluoranthene-d10	19.24	212	30572	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	8412	0.50	ng	0.00

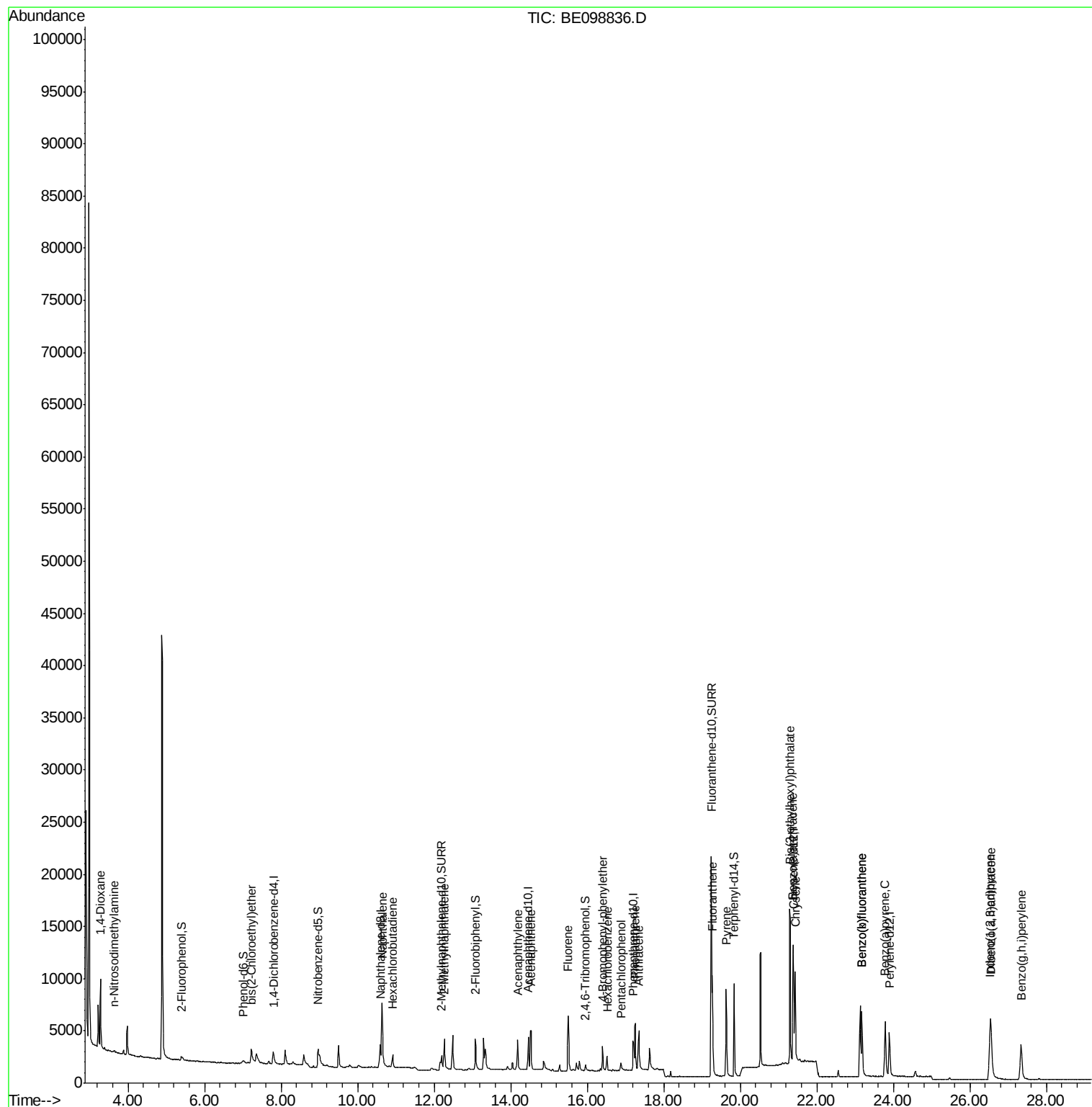
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	3439	2.793	ng	98
3) n-Nitrosodimethylamine	3.64	42	167	0.086	ng	# 62
6) bis(2-Chloroethyl)ether	7.22	93	829	0.330	ng	# 84
9) Naphthalene	10.64	128	14547	0.404	ng	99
10) Hexachlorobutadiene	10.91	225	858	0.360	ng	99
12) 2-Methylnaphthalene	12.27	142	2451	0.419	ng	98
16) Acenaphthylene	14.18	152	3997	0.399	ng	96
17) Acenaphthene	14.53	154	2466	0.415	ng	97
18) Fluorene	15.50	166	3530	0.412	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	1079	0.377	ng	93
21) Hexachlorobenzene	16.52	284	1306	0.383	ng	95
22) Pentachlorophenol	16.88	266	675	0.847	ng	# 84
23) Phenanthrene	17.26	178	6169	0.411	ng	100
24) Anthracene	17.35	178	4882	0.380	ng	99
26) Fluoranthene	19.27	202	8579	0.405	ng	99
28) Pyrene	19.63	202	8810	0.418	ng	99
30) Benzo(a)anthracene	21.38	228	9265	0.431	ng	98
31) Chrysene	21.44	228	9909	0.431	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	20684	0.452	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	10436	0.430	ng	98
35) Benzo(b)fluoranthene	23.18	252	10275	0.449	ng	97
36) Benzo(k)fluoranthene	23.18	252	10275	0.429	ng	100
37) Benzo(a)pyrene	23.78	252	9331	0.425	ng	# 97
38) Dibenzo(a,h)anthracene	26.55	278	8566	0.412	ng	99
39) Benzo(g,h,i)perylene	27.34	276	8969	0.413	ng	100

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

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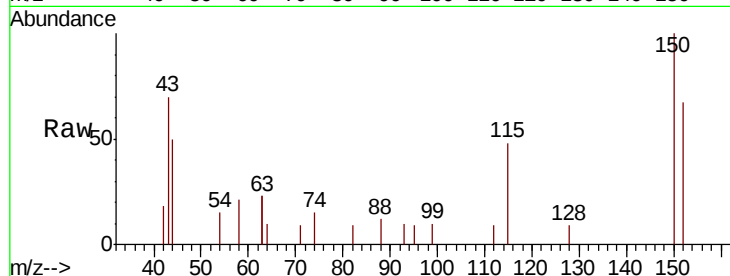


#1

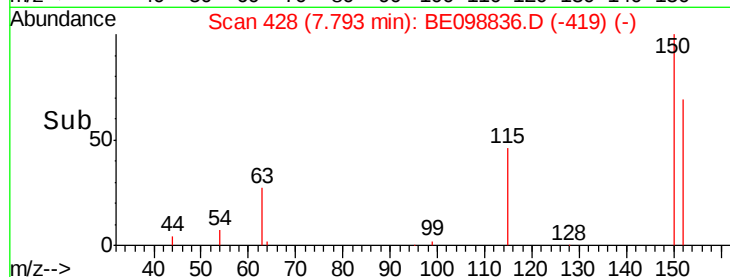
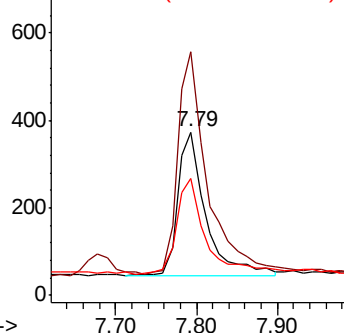
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Tot Ion:152 Resp: 771
Ion Ratio Lower Upper
152 100
150 148.9 122.5 183.7
115 71.4 57.4 86.2



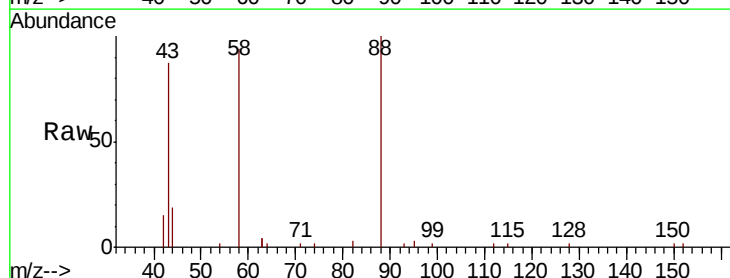
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



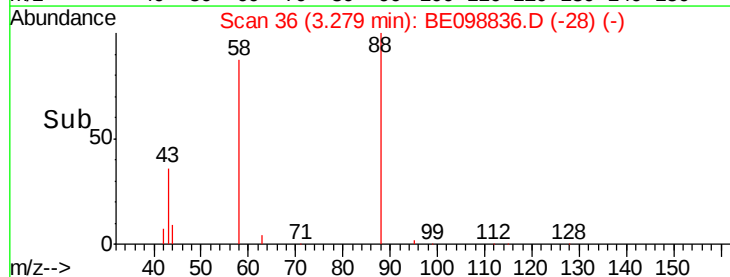
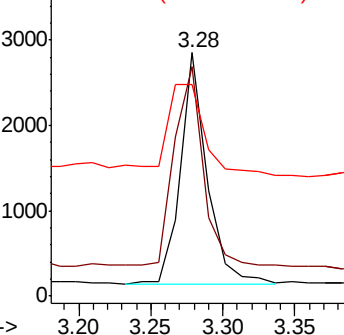
#2

1,4-Dioxane
Concen: 2.793 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 88 Resp: 3439
Ion Ratio Lower Upper
88 100
58 95.8 75.8 113.6
43 55.2 41.8 62.8



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



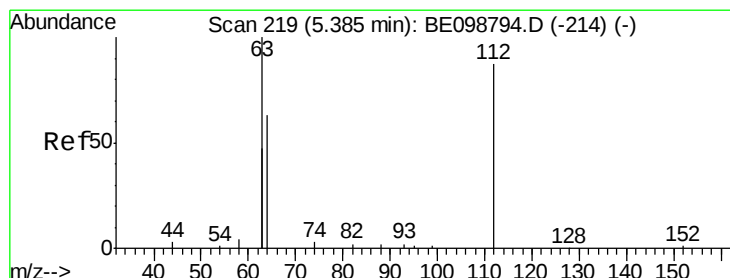
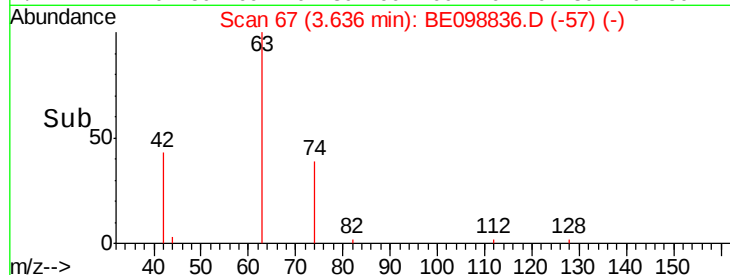
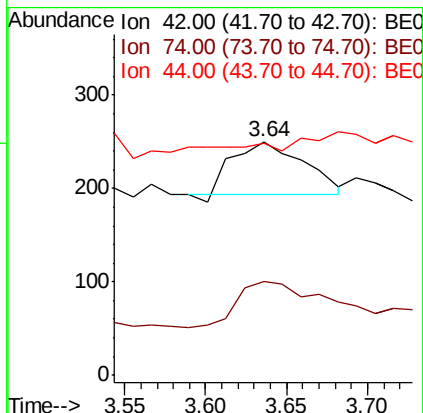
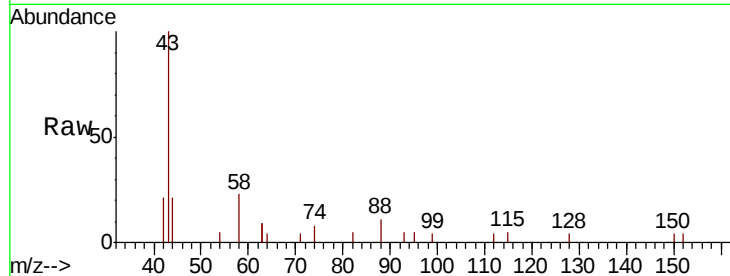


#3

n-Nitrosodimethylamine
 Concen: 0.086 ng
 RT: 3.64 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: BE098836.D
 Acq: 8 Mar 2019 16:10

Instrument :
 BNA_E
 ClientSampleId :
 RE123D1-20190306MSD

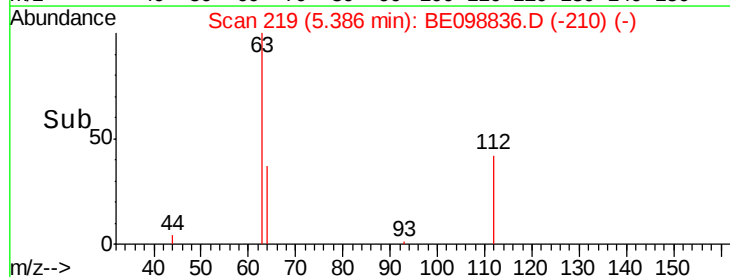
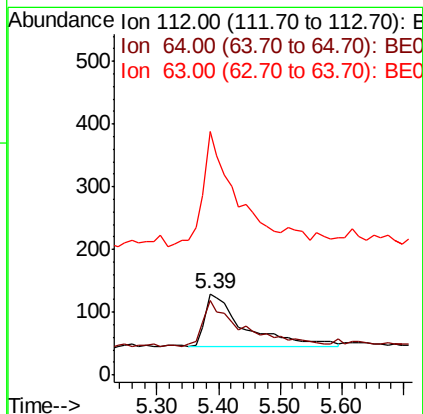
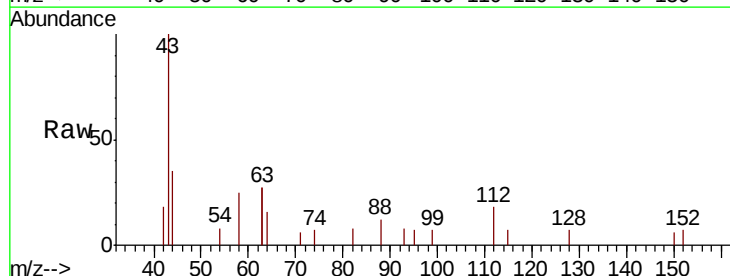
Tot Ion: 42 Resp: 167
 Ion Ratio Lower Upper
 42 100
 74 102.4 57.0 85.4#
 44 0.0 0.0 0.0



#4

2-Fluorophenol
 Concen: 0.162 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE098836.D
 Acq: 8 Mar 2019 16:10

Tgt Ion: 112 Resp: 373
 Ion Ratio Lower Upper
 112 100
 64 81.0 57.9 86.9
 63 170.5 158.3 237.5





#5

Phenol-d6

Concen: 0.091 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

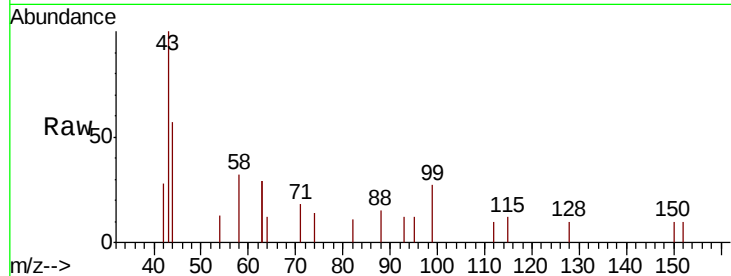
Tot Ion: 99 Resp: 297

Ion Ratio Lower Upper

99 100

42 46.1 24.2 36.2#

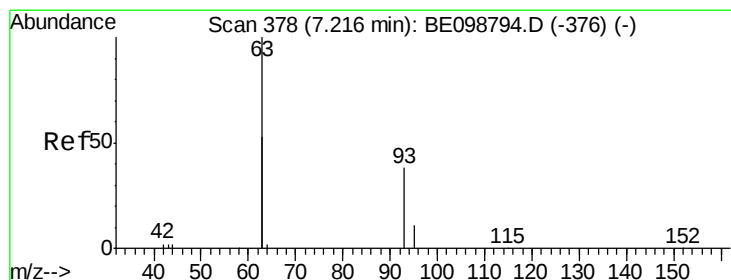
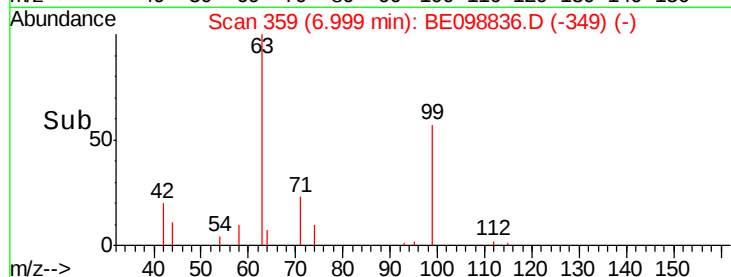
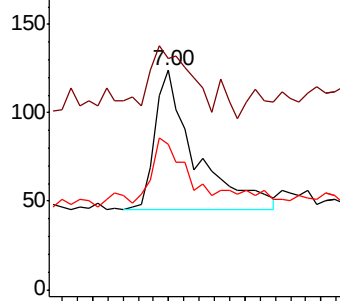
71 38.0 35.7 53.5



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: 0.330 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

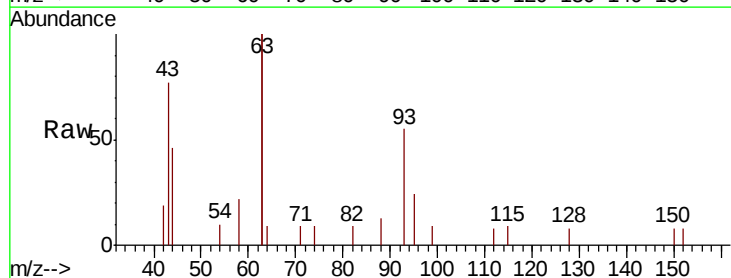
Tgt Ion: 93 Resp: 829

Ion Ratio Lower Upper

93 100

63 340.9 247.5 371.3

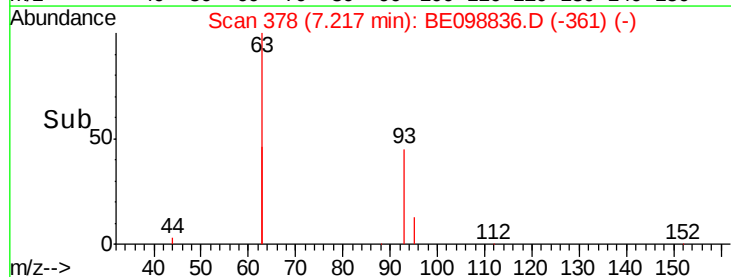
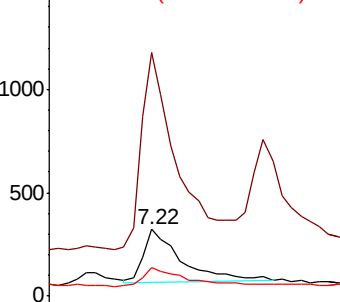
95 39.3 21.8 32.8#



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: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

Tot Ion:136 Resp: 3146

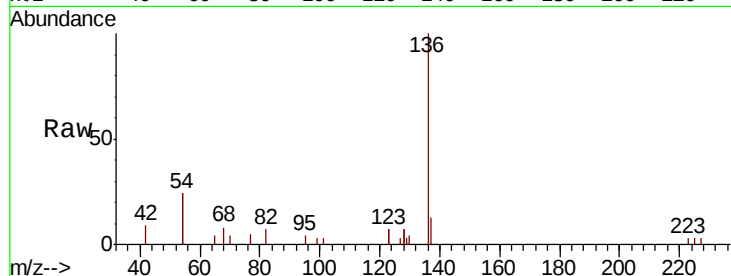
Ion Ratio Lower Upper

136 100

137 13.5 11.4 17.0

54 48.4 39.3 58.9

68 7.6 6.7 10.1

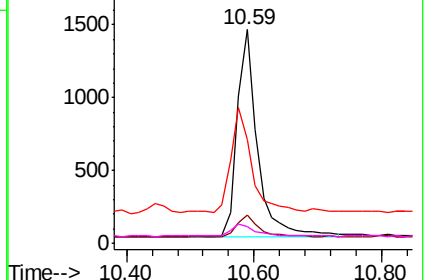
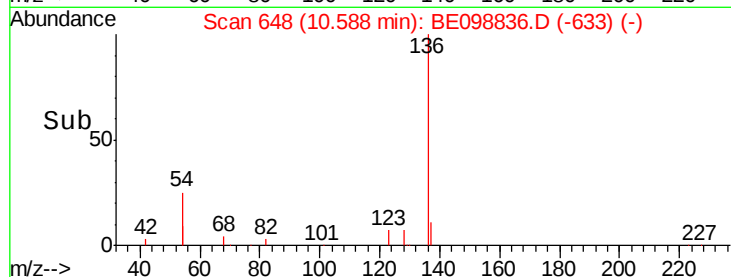


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

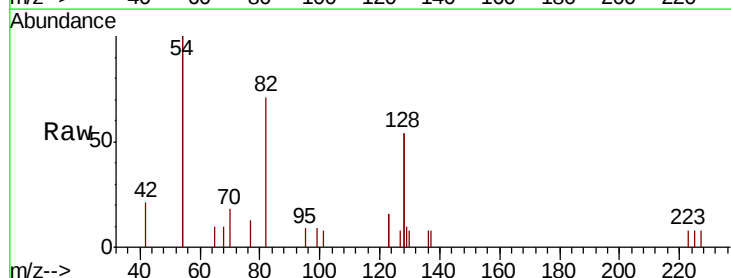
Tgt Ion: 82 Resp: 1232

Ion Ratio Lower Upper

82 100

128 153.1 123.8 185.8

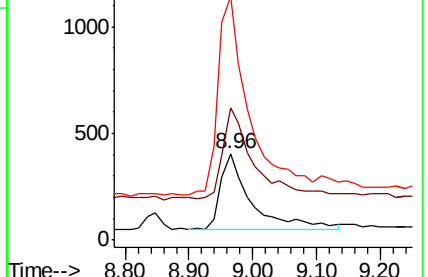
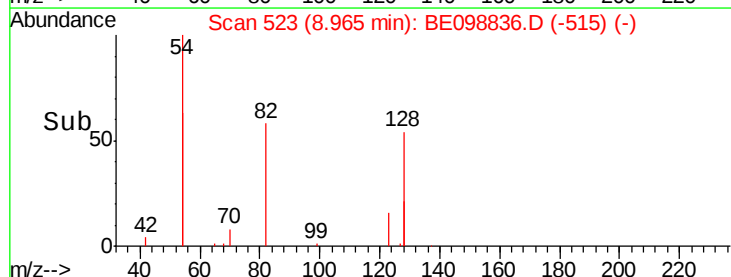
54 282.0 203.4 305.2

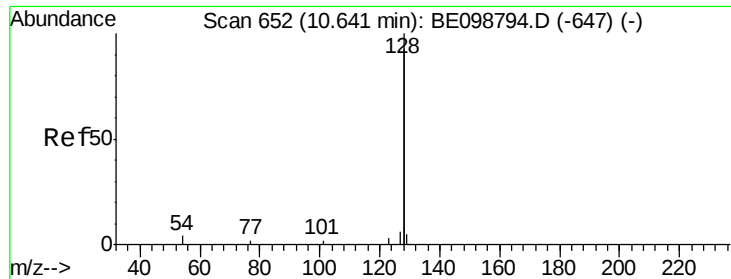


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.404 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

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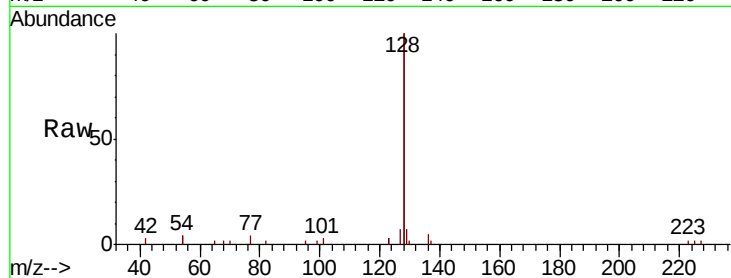
Tot Ion:128 Resp: 14547

Ion Ratio Lower Upper

128 100

129 3.5 2.6 4.0

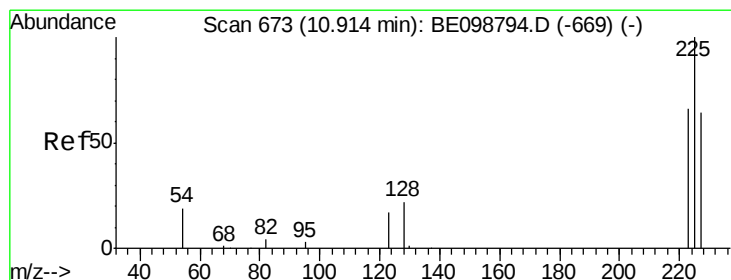
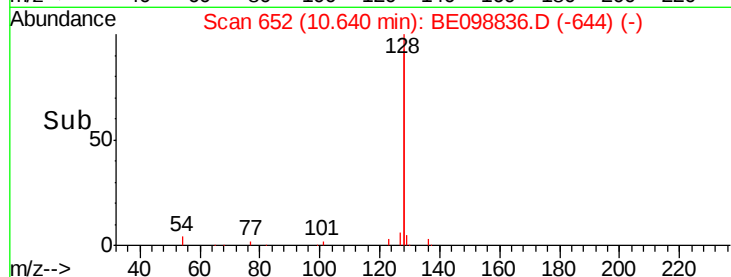
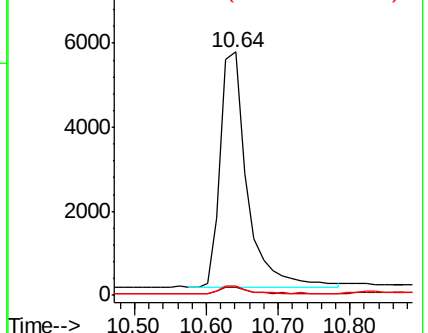
127 3.7 3.1 4.7



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: 0.360 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

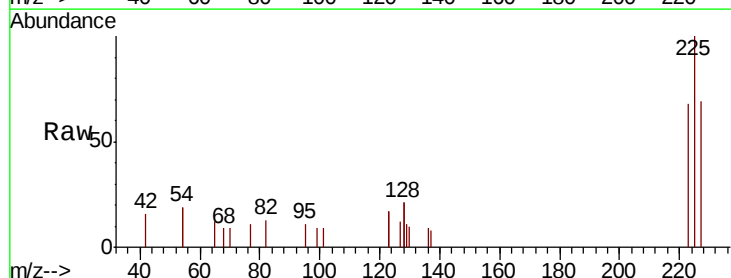
Tgt Ion:225 Resp: 858

Ion Ratio Lower Upper

225 100

223 65.2 51.1 76.7

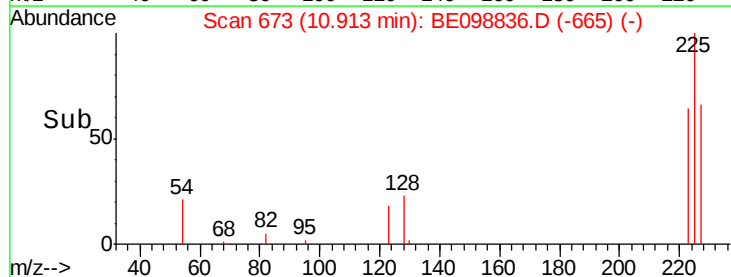
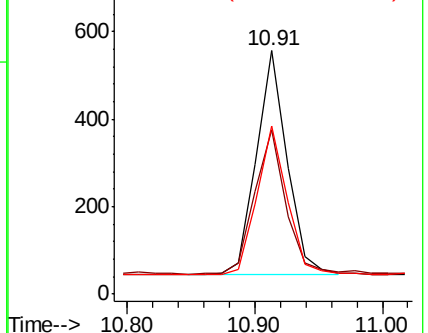
227 65.0 51.6 77.4



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: 0.493 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

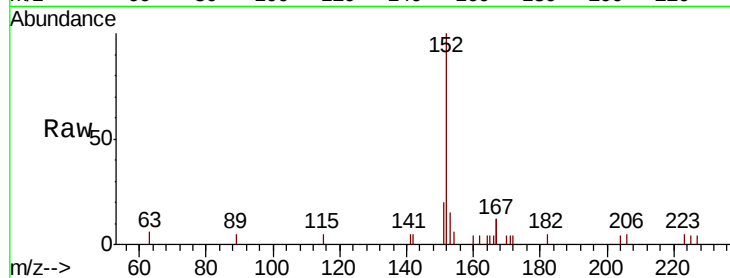
RE123D1-20190306MSD

Tot Ion:152 Resp: 2867

Ion Ratio Lower Upper

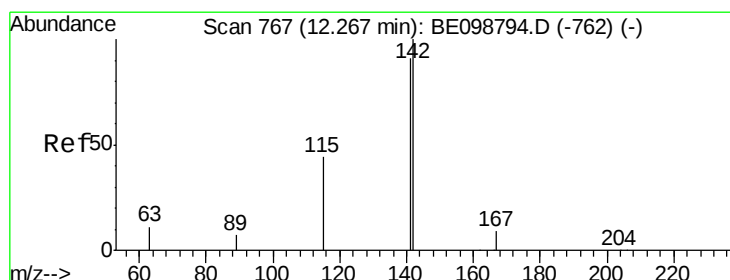
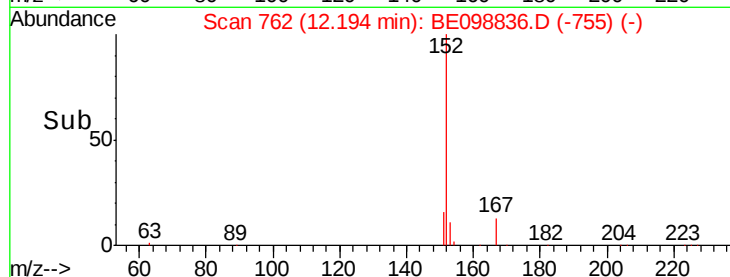
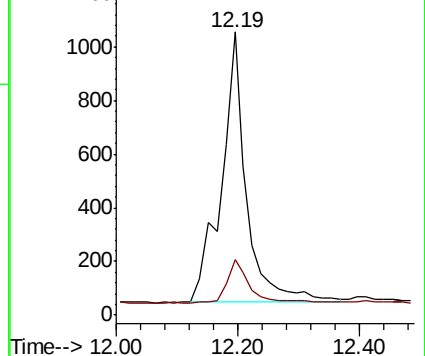
152 100

151 14.3 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.419 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

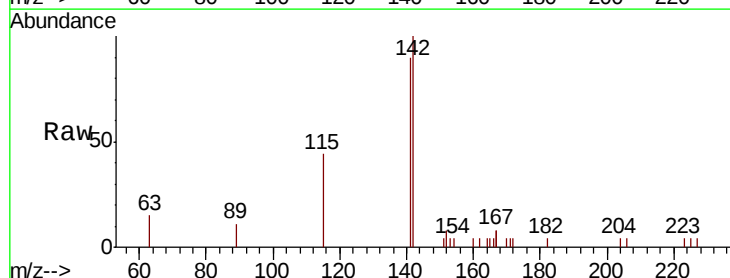
Tgt Ion:142 Resp: 2451

Ion Ratio Lower Upper

142 100

141 89.6 72.6 108.8

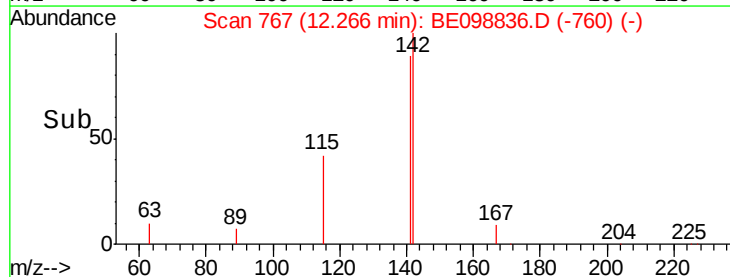
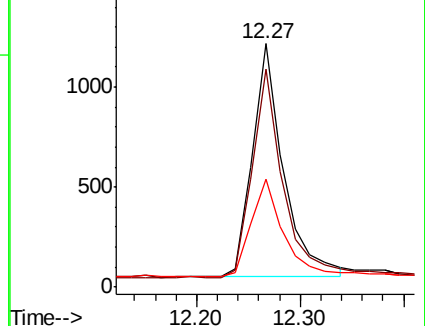
115 44.4 37.4 56.2



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

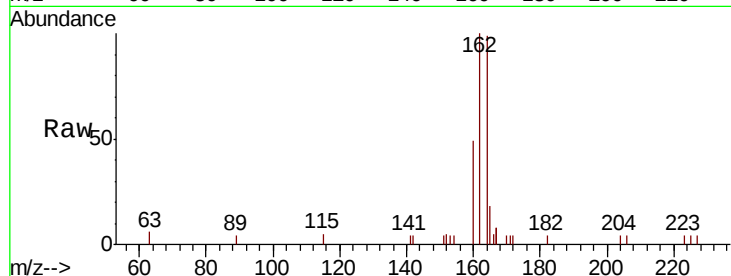




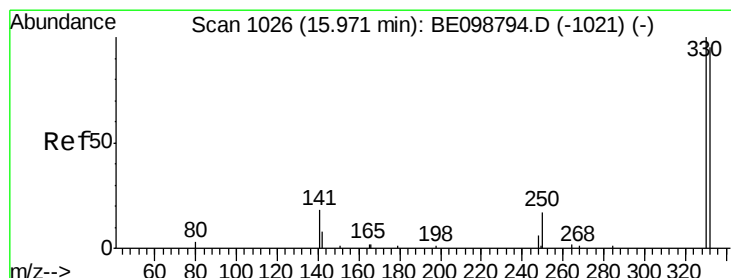
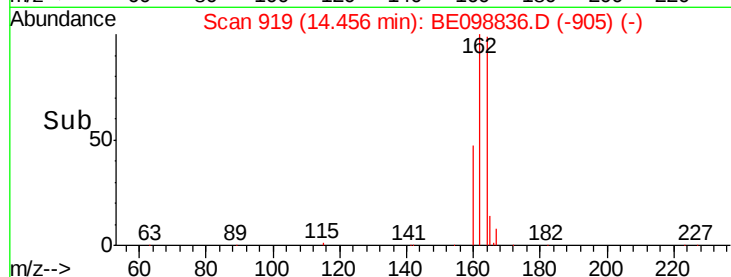
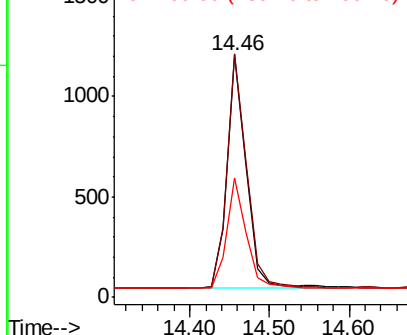
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Tot Ion:164 Resp: 1947
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 49.5 37.8 56.8

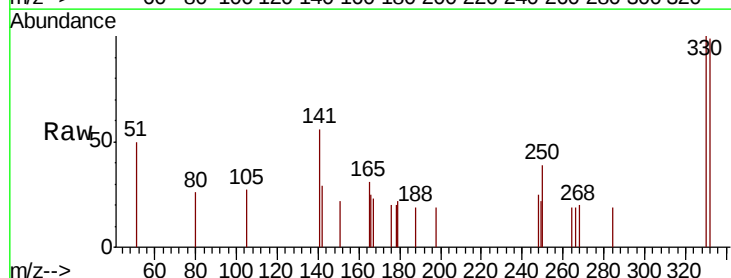


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

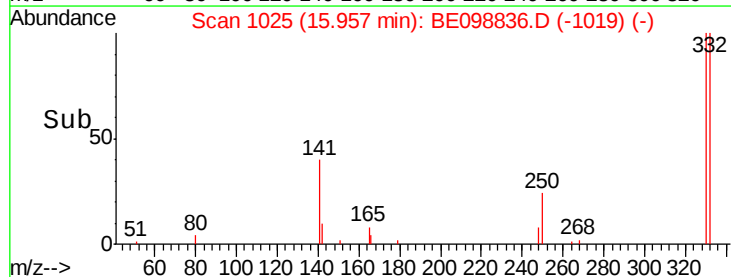
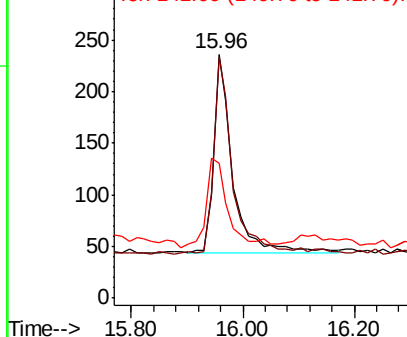


#14
2,4,6-Tribromophenol
Concen: 0.467 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:330 Resp: 459
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 44.4 31.0 46.4



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

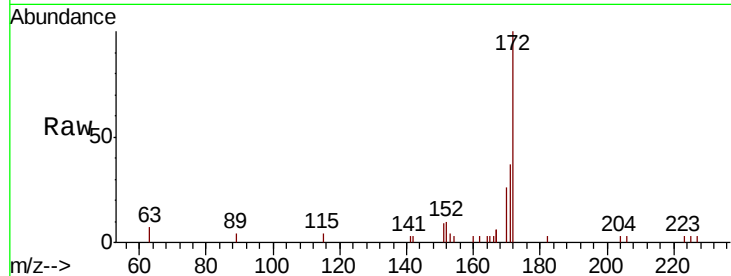




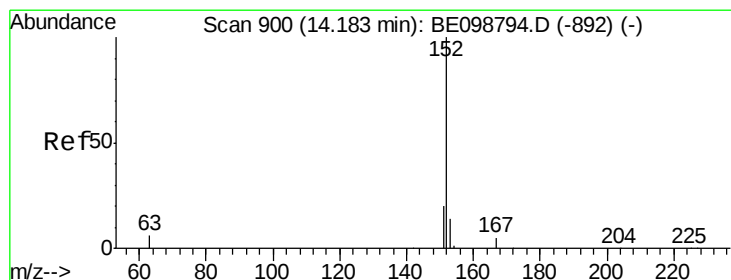
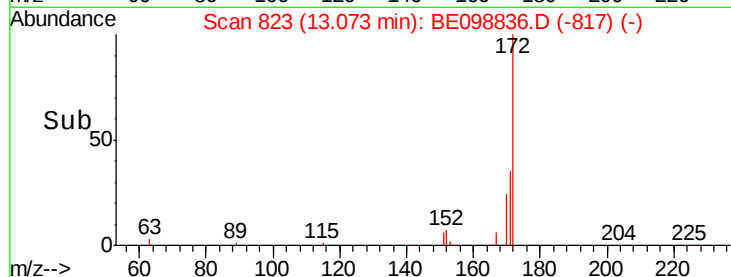
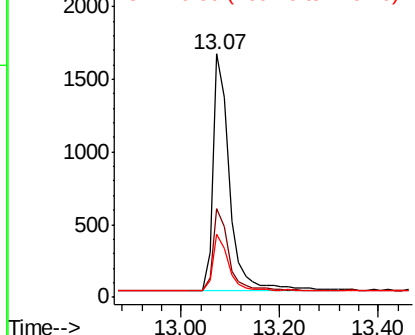
#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Tot Ion:172 Resp: 3772
Ion Ratio Lower Upper
172 100
171 36.7 28.0 42.0
170 26.0 17.7 26.5

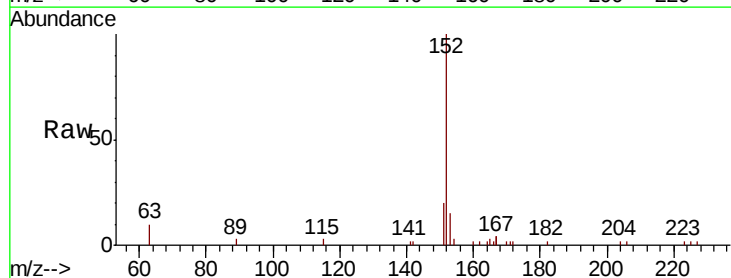


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

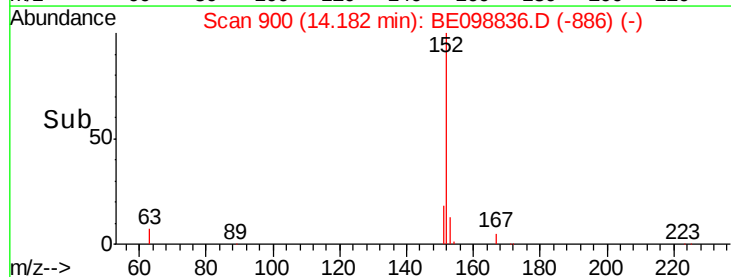
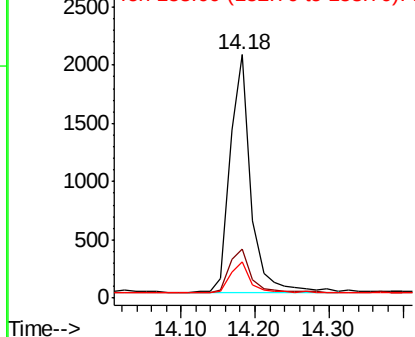


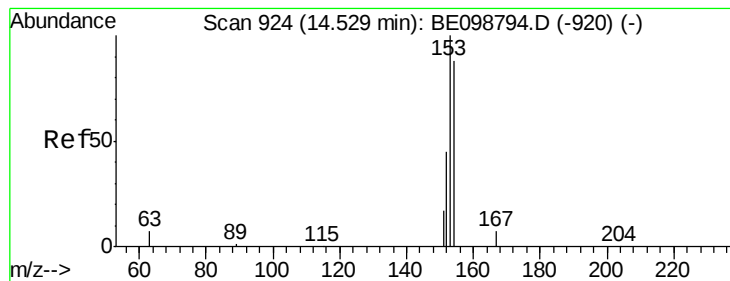
#16
Acenaphthylene
Concen: 0.399 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:152 Resp: 3997
Ion Ratio Lower Upper
152 100
151 19.1 17.0 25.6
153 13.2 11.2 16.8



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: 0.415 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

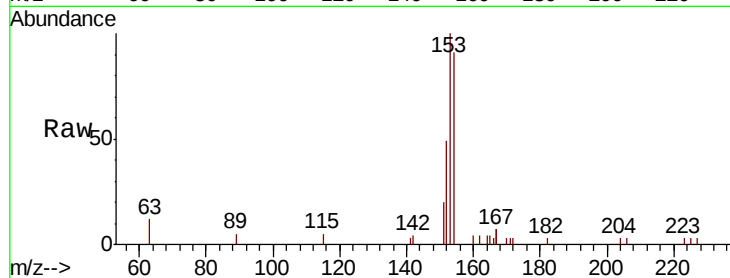
Tot Ion:154 Resp: 2466

Ion Ratio Lower Upper

154 100

153 114.2 94.2 141.4

152 55.4 45.0 67.4

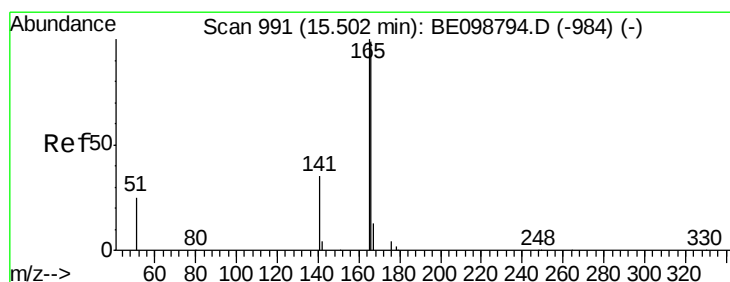
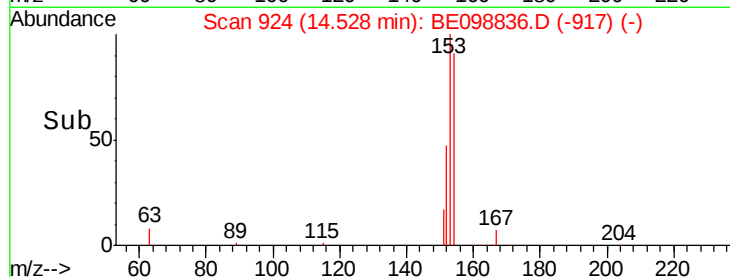
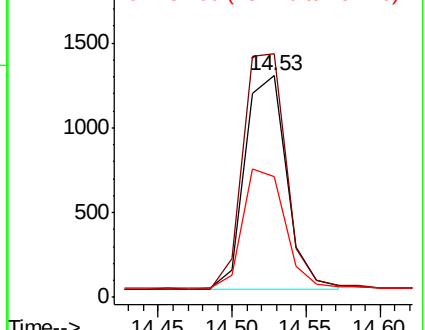


Abundance

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: 0.412 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

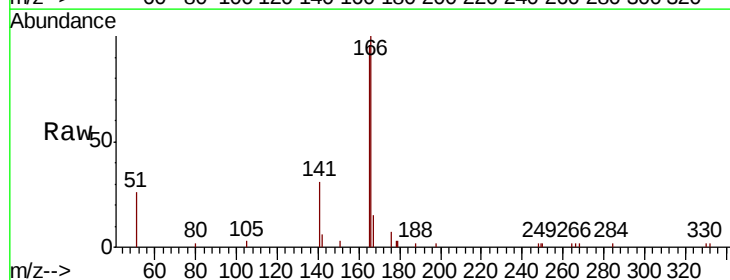
Tgt Ion:166 Resp: 3530

Ion Ratio Lower Upper

166 100

165 95.7 79.3 118.9

167 13.9 10.5 15.7

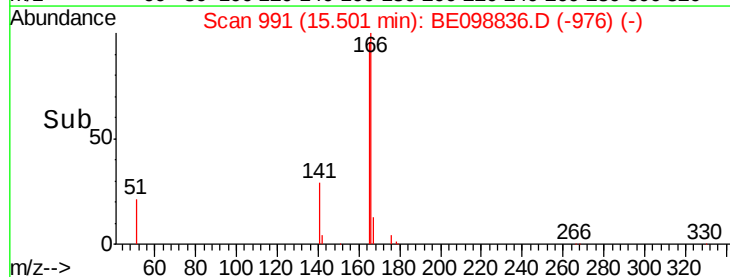
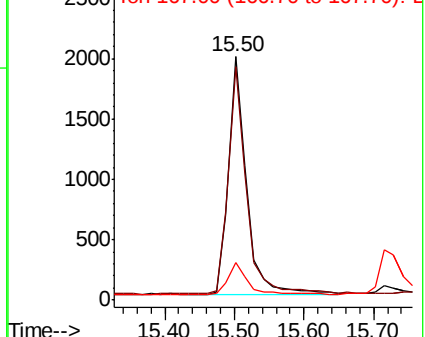


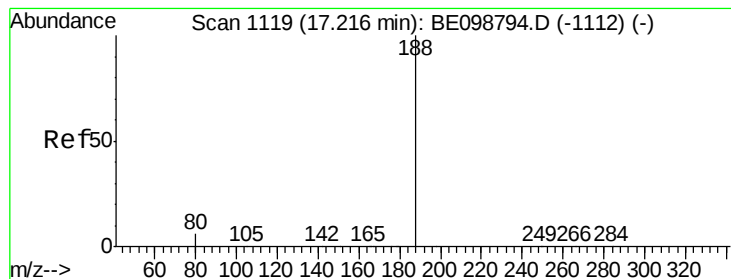
Abundance

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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

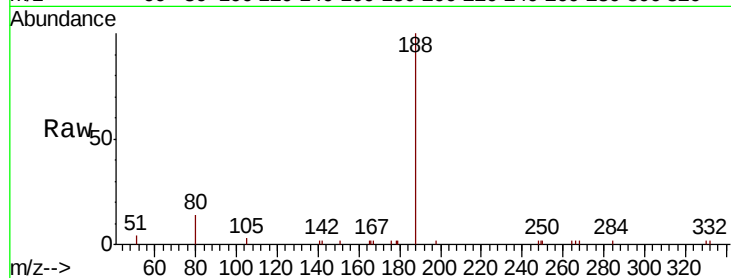
Tot Ion:188 Resp: 5285

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

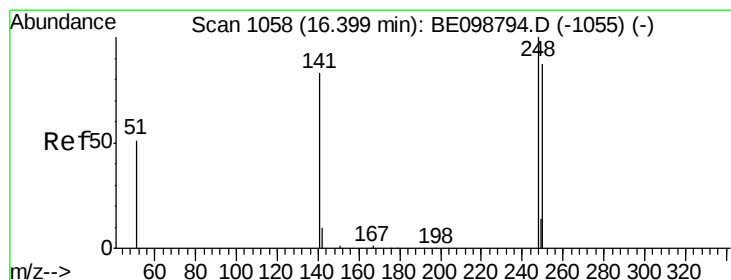
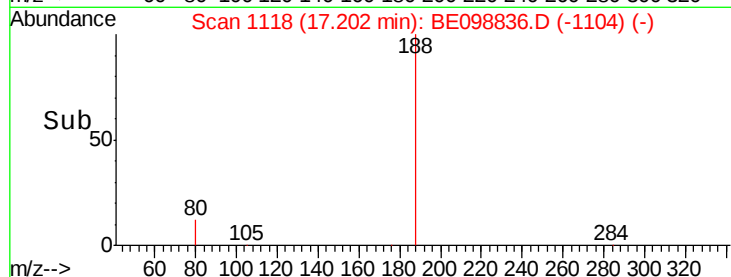
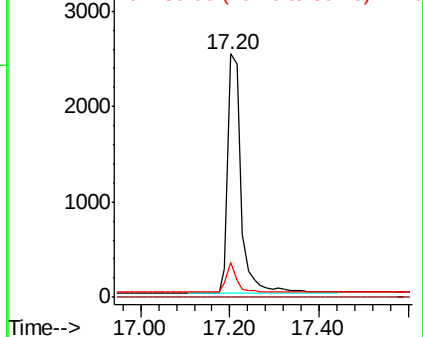
80 14.2 6.3 9.5#



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: 0.377 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

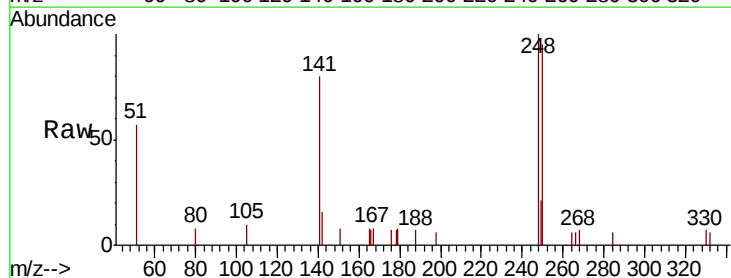
Tgt Ion:248 Resp: 1079

Ion Ratio Lower Upper

248 100

250 95.4 70.6 105.8

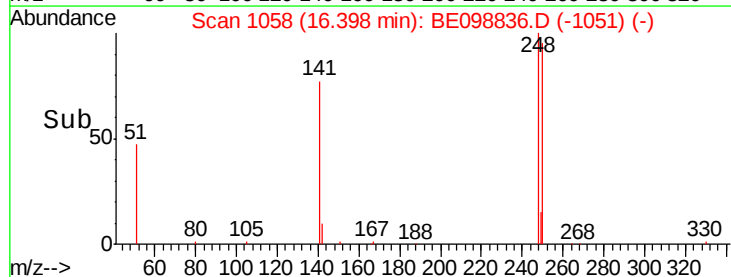
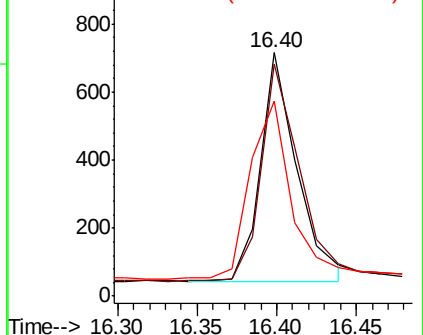
141 80.0 68.6 102.8



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

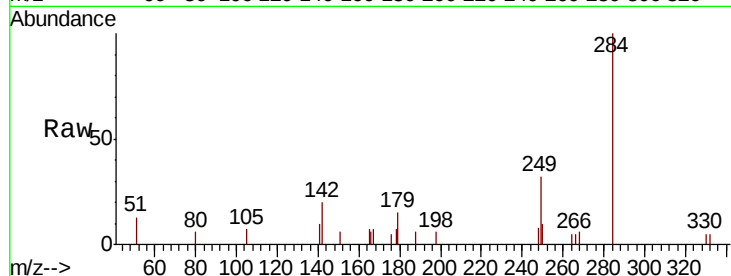




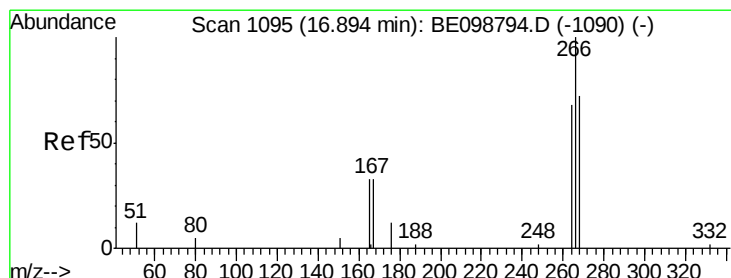
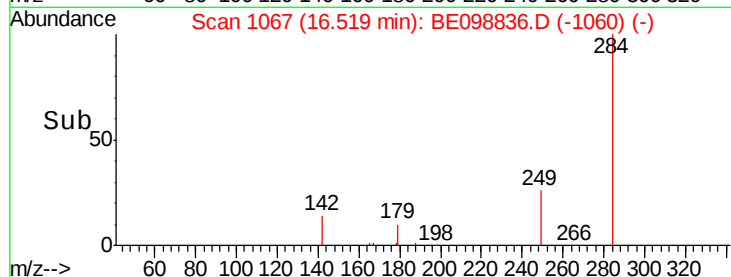
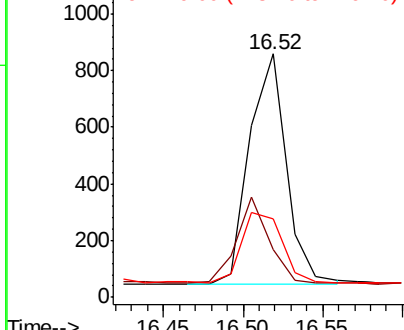
#21
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Tot Ion:284 Resp: 1306
Ion Ratio Lower Upper
284 100
142 33.5 28.7 43.1
249 33.2 29.6 44.4

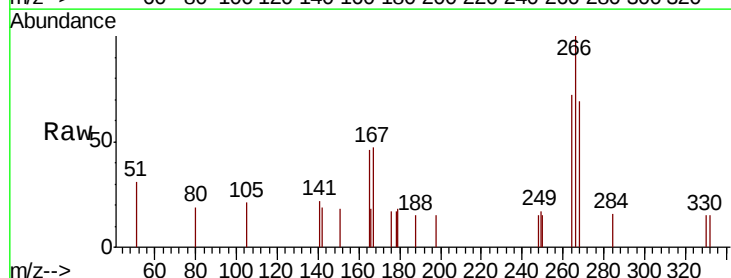


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

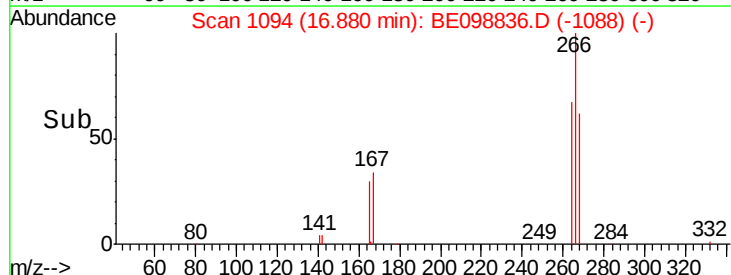
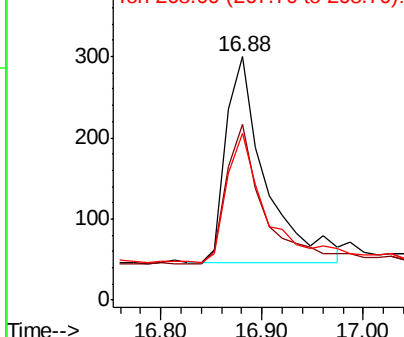


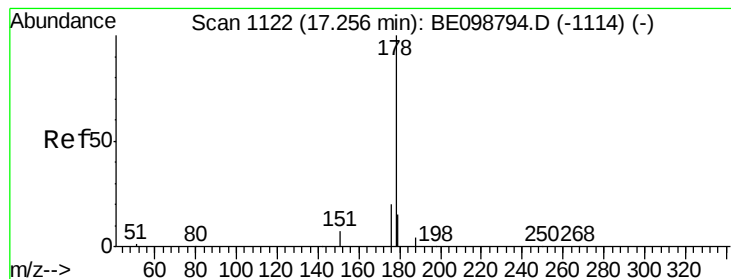
#22
Pentachlorophenol
Concen: 0.847 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:266 Resp: 675
Ion Ratio Lower Upper
266 100
264 72.0 66.6 100.0
268 68.7 69.8 104.8#



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: 0.411 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

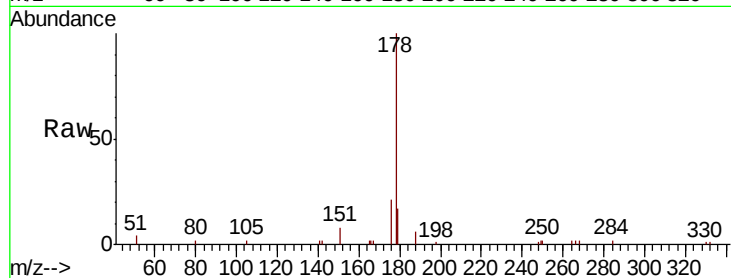
Tot Ion:178 Resp: 6169

Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

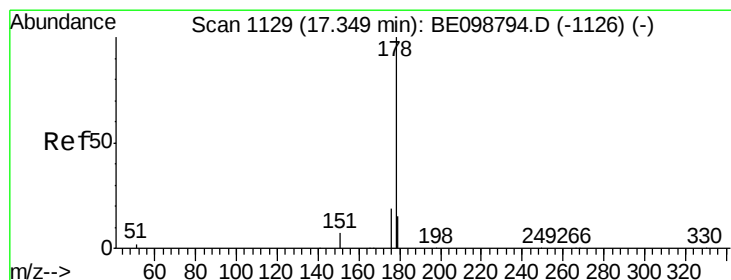
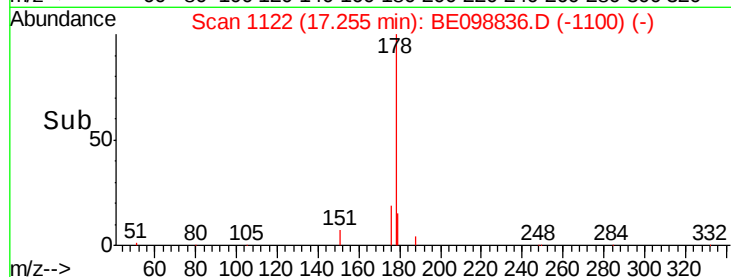
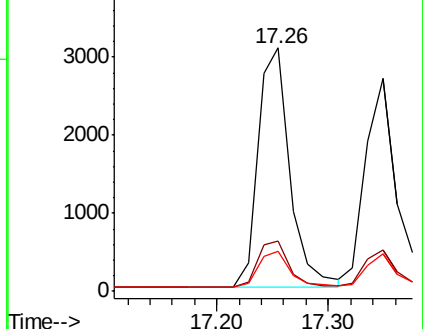
179 15.4 12.1 18.1



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



#24

Anthracene

Concen: 0.380 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

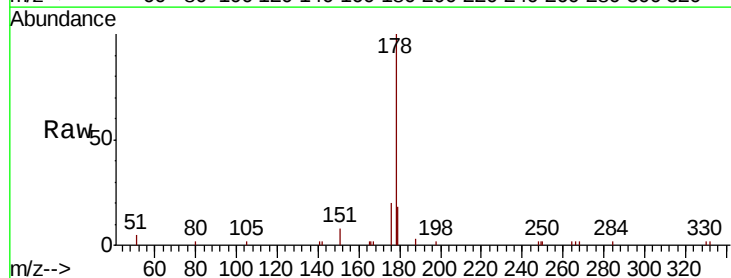
Tgt Ion:178 Resp: 4882

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

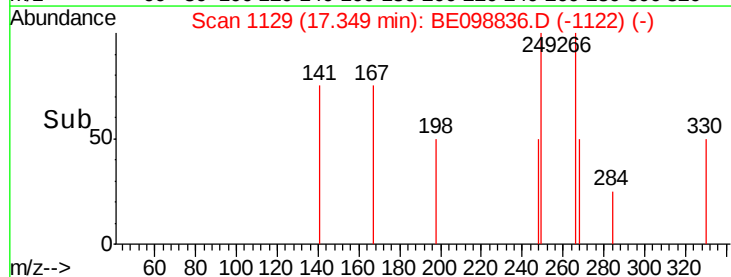
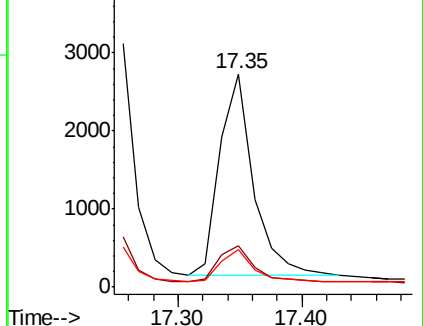
179 15.8 12.2 18.4

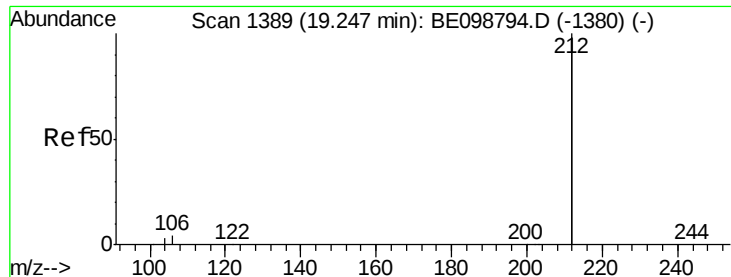


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.362 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

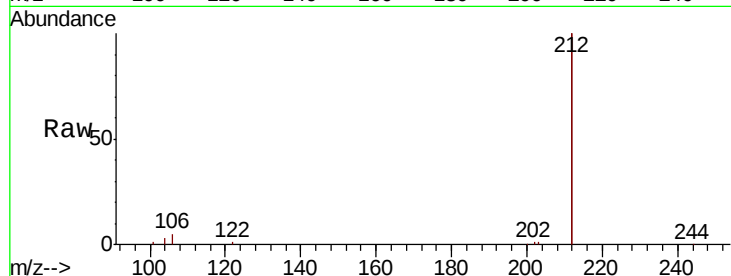
Tot Ion:212 Resp: 30572

Ion Ratio Lower Upper

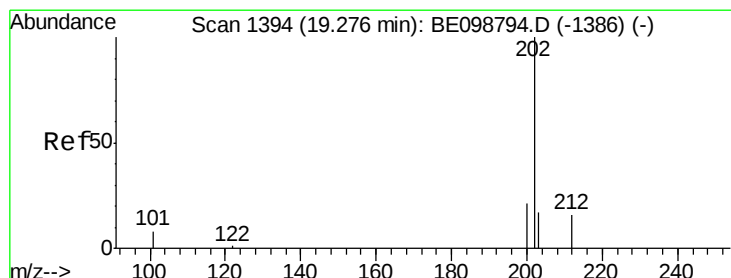
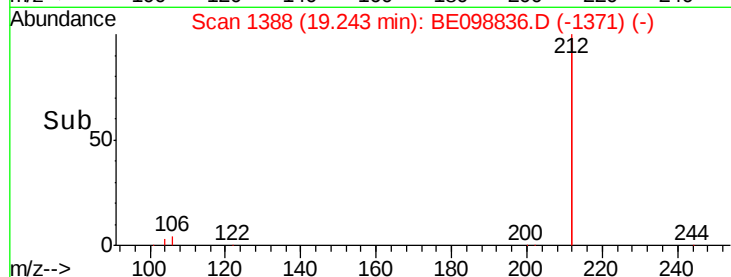
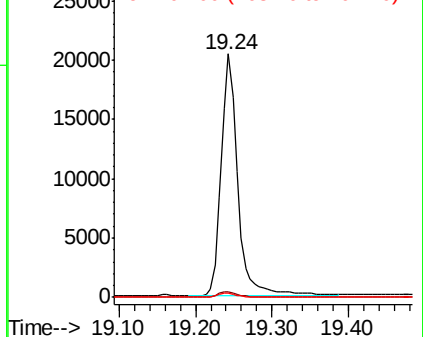
212 100

106 2.3 1.8 2.8

104 1.4 1.0 1.6



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: 0.405 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

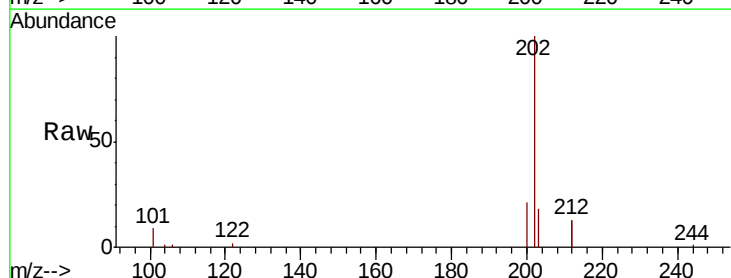
Tgt Ion:202 Resp: 8579

Ion Ratio Lower Upper

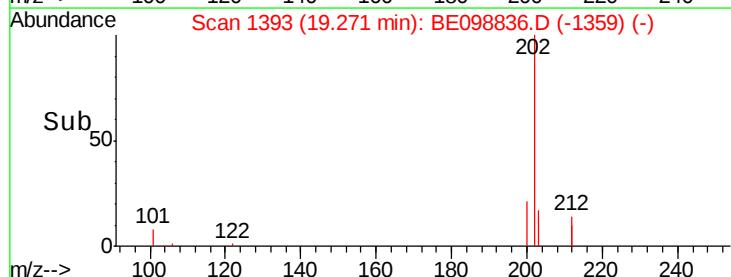
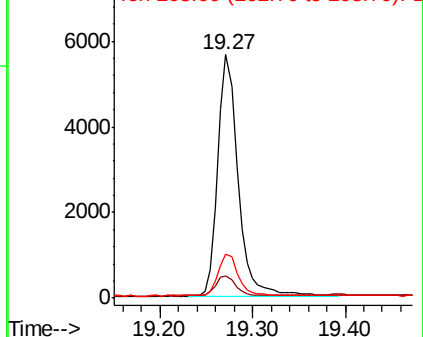
202 100

101 8.7 7.3 10.9

203 17.2 13.4 20.2



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: 21.39 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

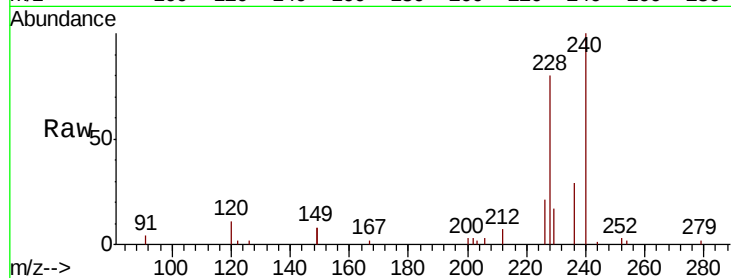
Tot Ion:240 Resp: 6885

Ion Ratio Lower Upper

240 100

120 10.7 5.0 7.4#

236 28.9 22.7 34.1

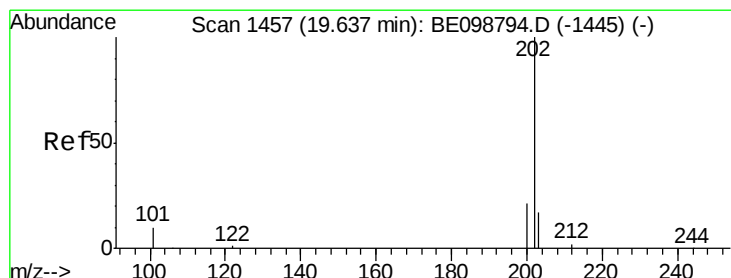
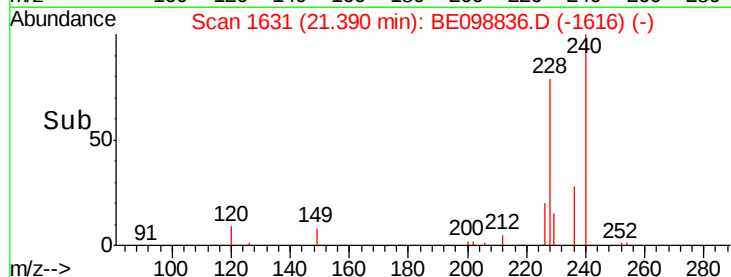
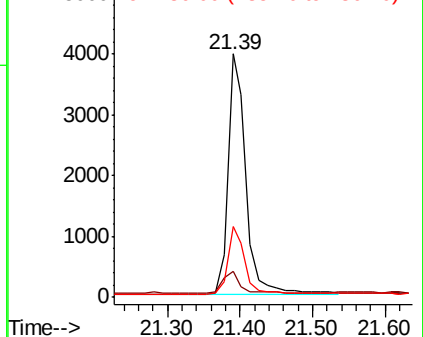


Abundance

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: 0.418 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

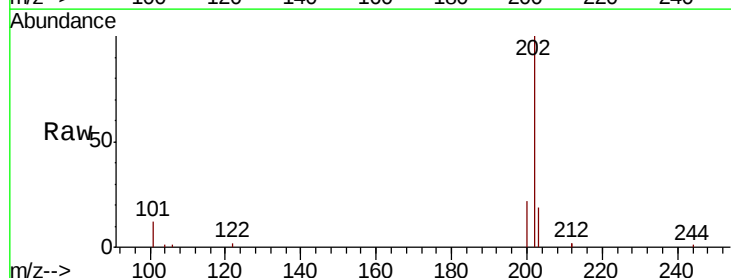
Tgt Ion:202 Resp: 8810

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 18.4 14.2 21.2

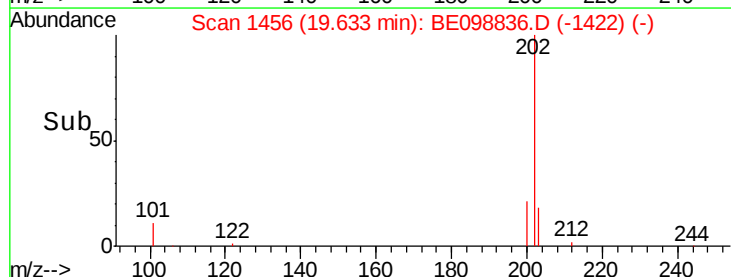
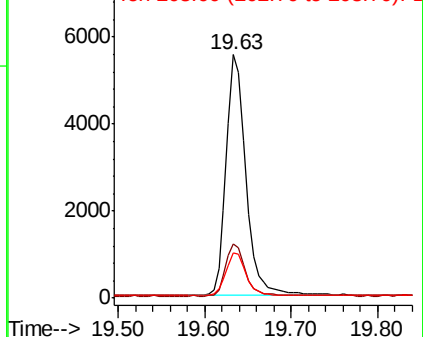


Abundance

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: 0.503 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

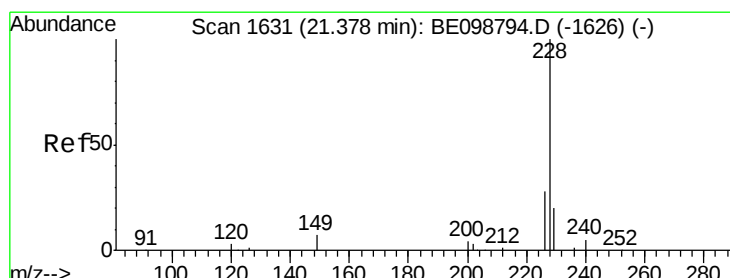
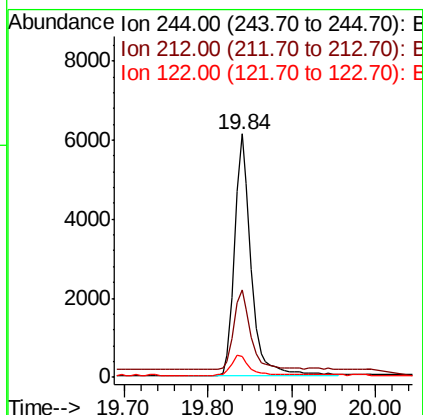
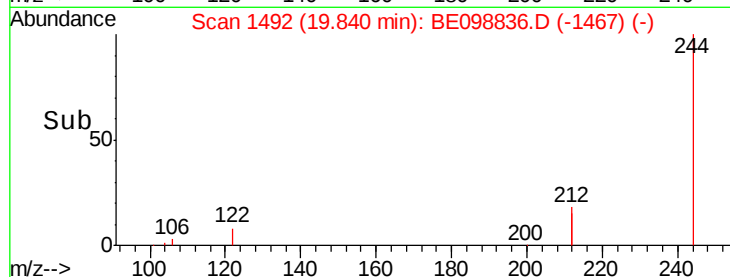
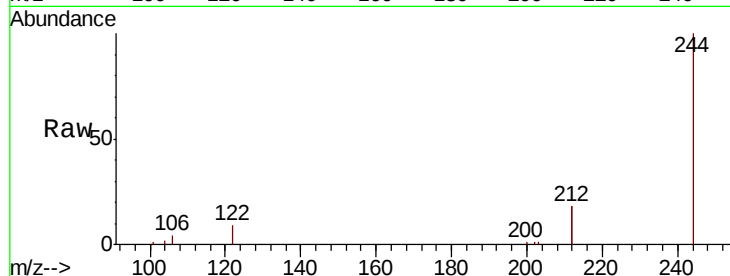
Tot Ion:244 Resp: 8412

Ion Ratio Lower Upper

244 100

212 36.0 29.4 44.2

122 8.8 7.1 10.7



#30

Benzo(a)anthracene

Concen: 0.431 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

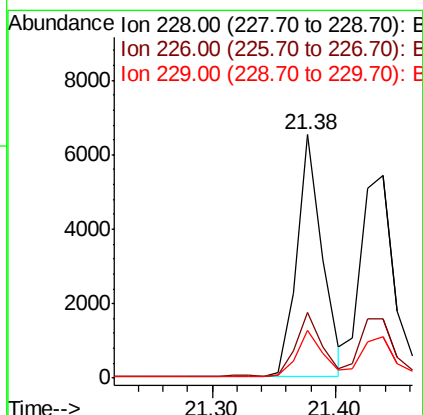
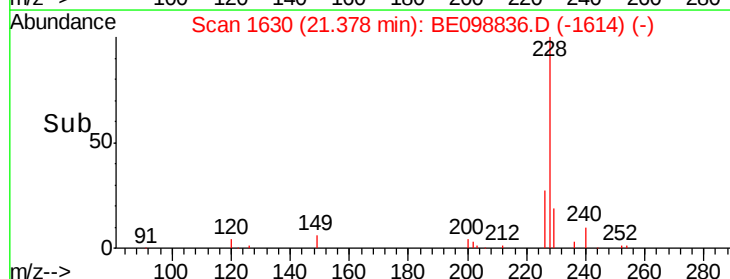
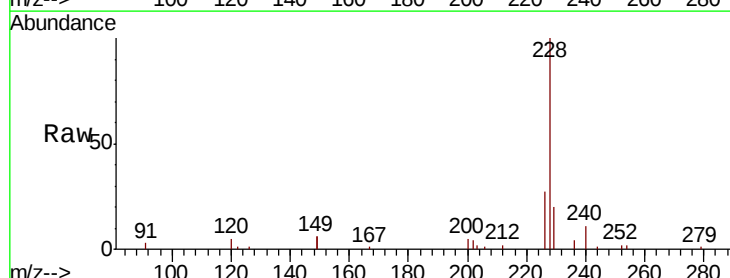
Tgt Ion:228 Resp: 9265

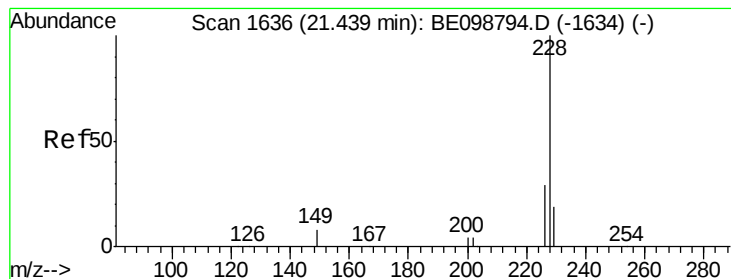
Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

229 19.9 16.5 24.7





#31

Chrysene

Concen: 0.431 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

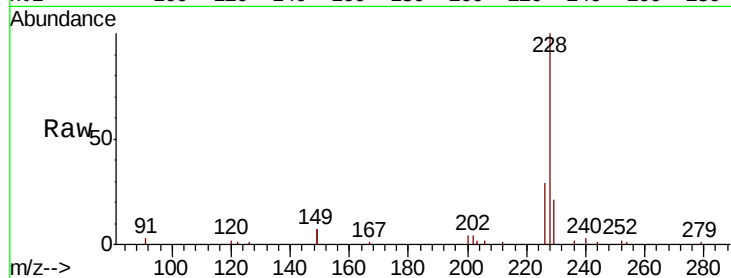
Tot Ion:228 Resp: 9909

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

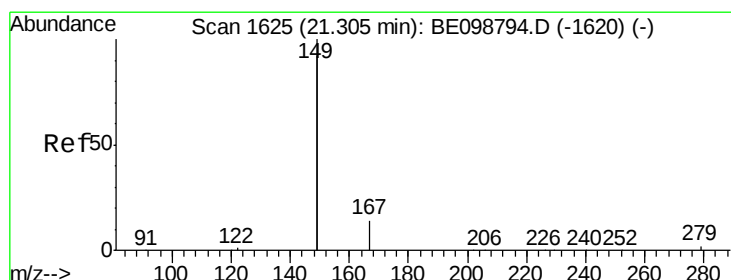
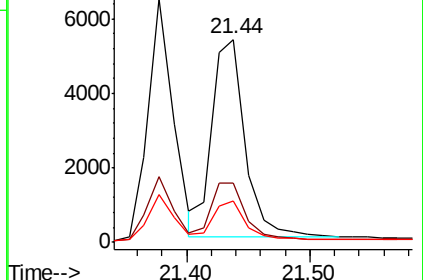
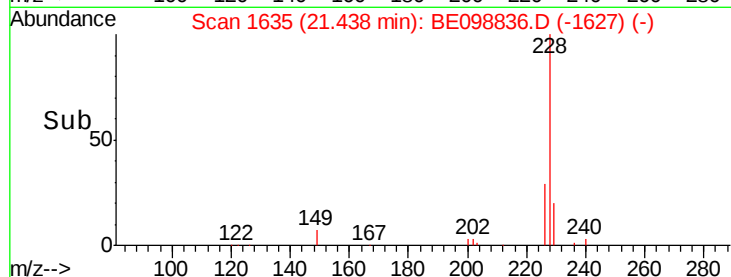
229 20.6 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.452 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

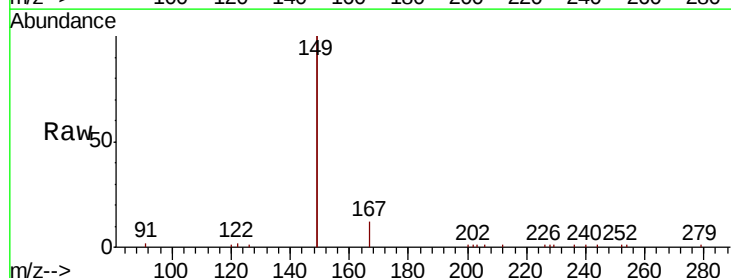
Tgt Ion:149 Resp: 20684

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

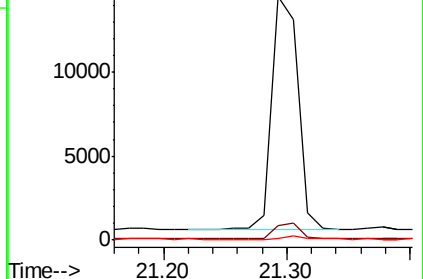
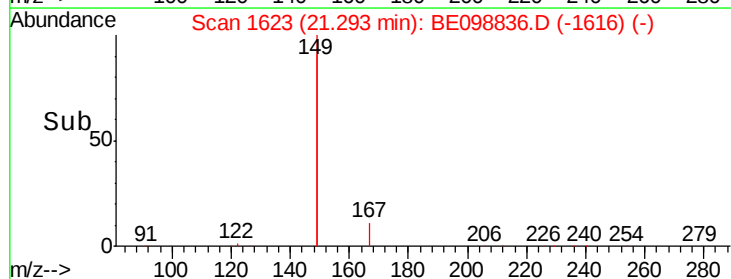
279 1.2 1.0 1.4



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

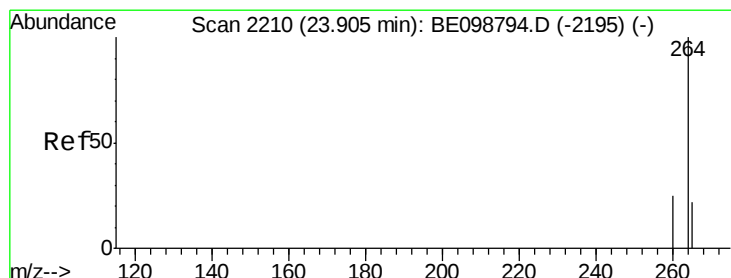
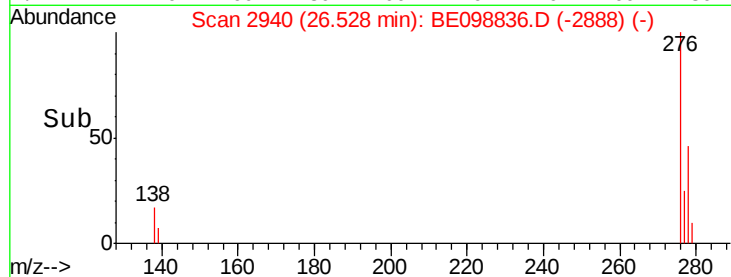
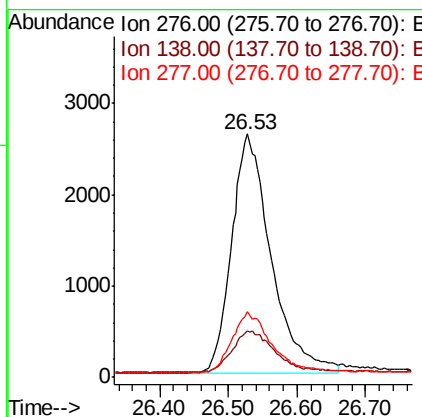
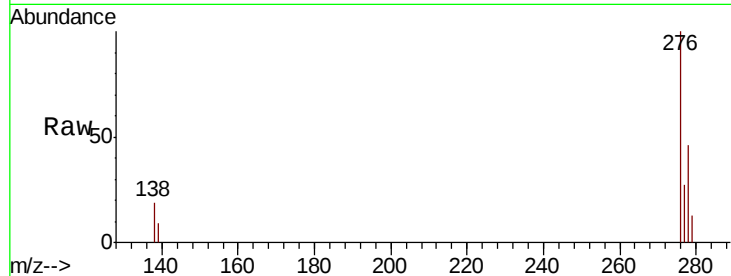




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.430 ng
RT: 26.53 min Scan# 2940
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

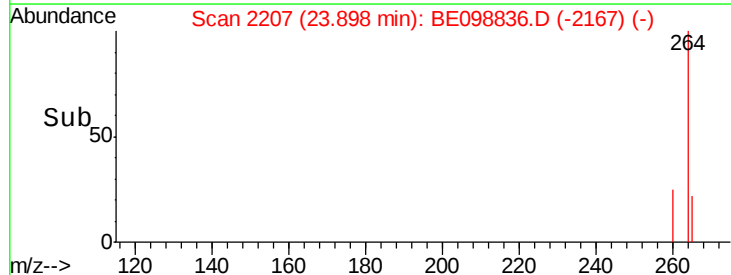
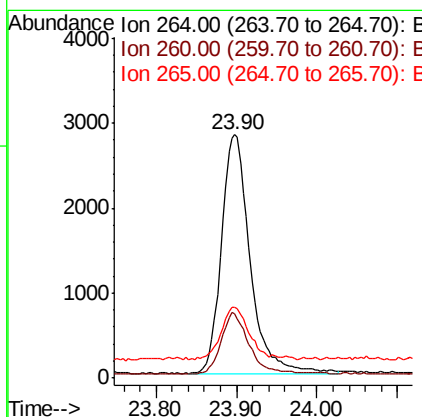
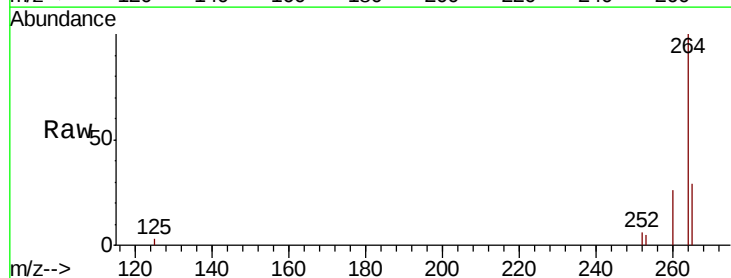
Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Tot Ion:276 Resp: 10436
Ion Ratio Lower Upper
276 100
138 18.2 13.8 20.8
277 25.2 19.5 29.3



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:264 Resp: 6965
Ion Ratio Lower Upper
264 100
260 26.2 21.2 31.8
265 28.8 24.6 36.8

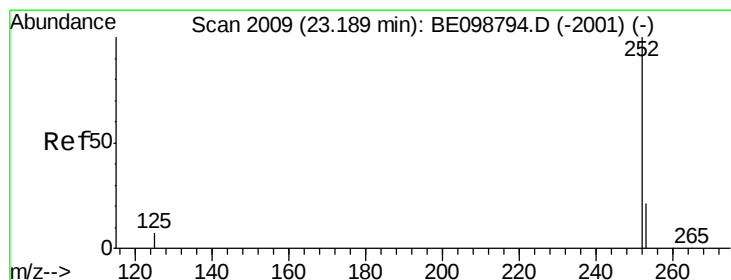
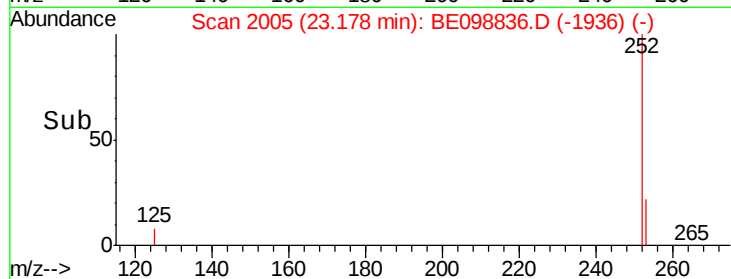
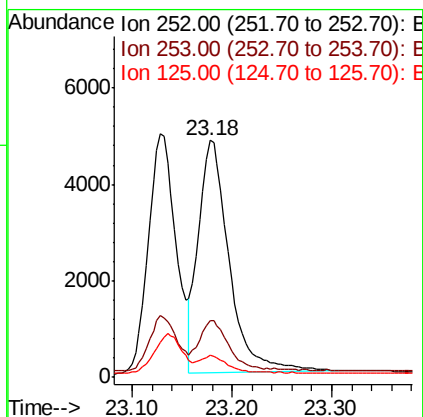
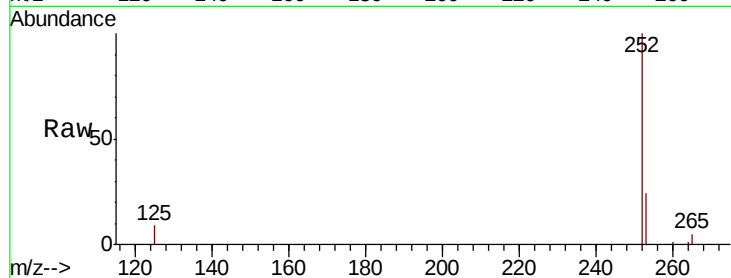




#35
Benzo(b)fluoranthene
Concen: 0.449 ng
RT: 23.18 min Scan# 2005
Delta R.T. 0.05 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

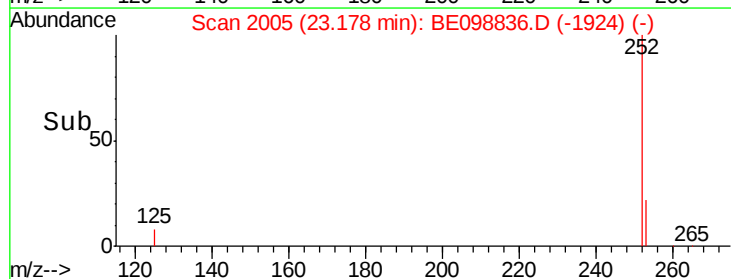
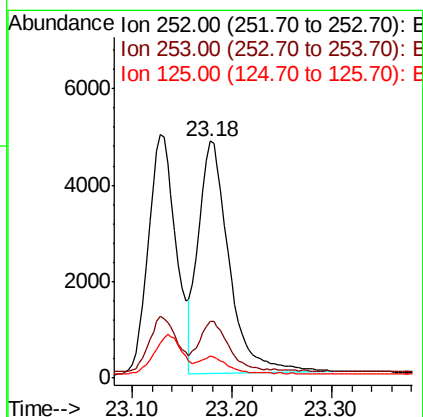
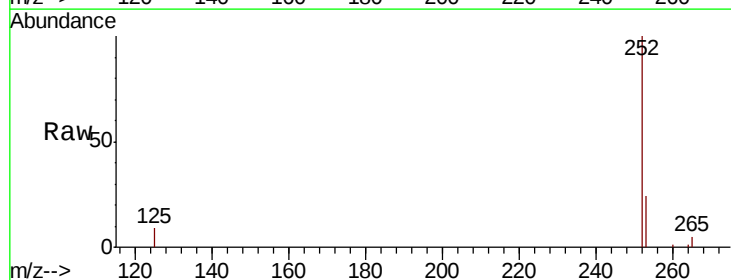
Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

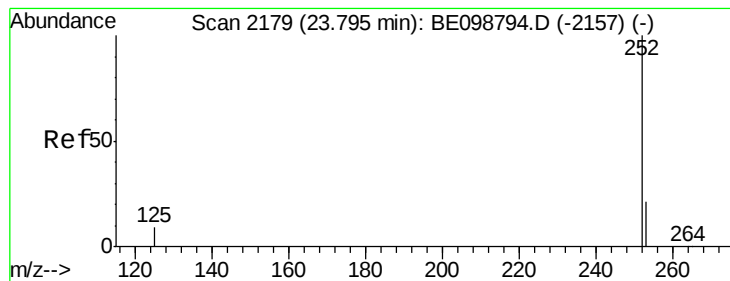
Tot Ion:252 Resp: 10275
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 9.4 7.3 10.9



#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 23.18 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:252 Resp: 10275
Ion Ratio Lower Upper
252 100
253 24.2 19.3 28.9
125 9.4 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.425 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

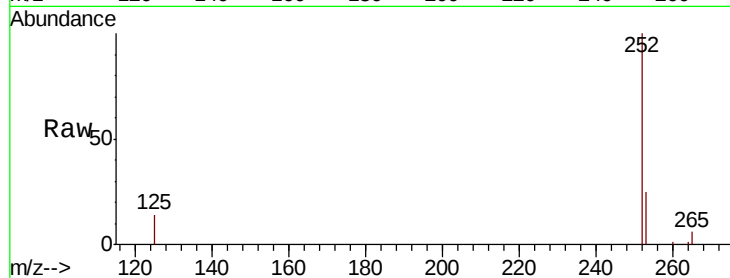
Tot Ion:252 Resp: 9331

Ion Ratio Lower Upper

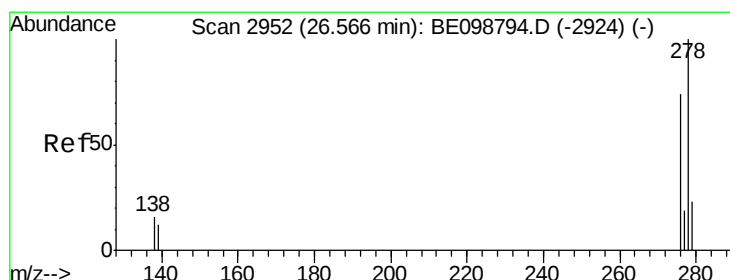
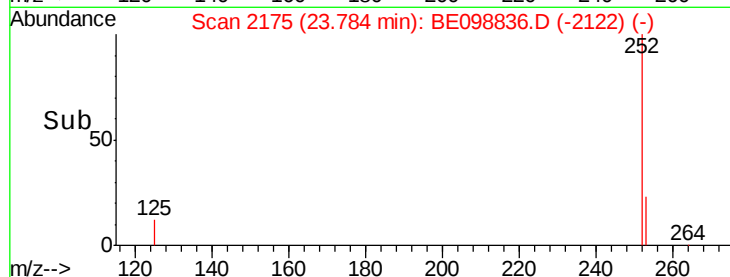
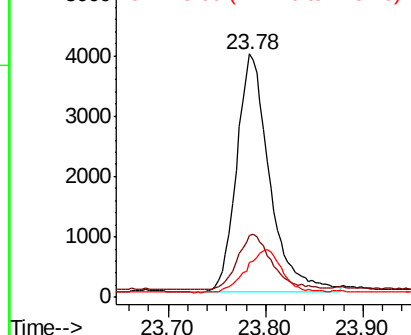
252 100

253 25.5 19.9 29.9

125 14.2 9.0 13.4#



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: 0.412 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

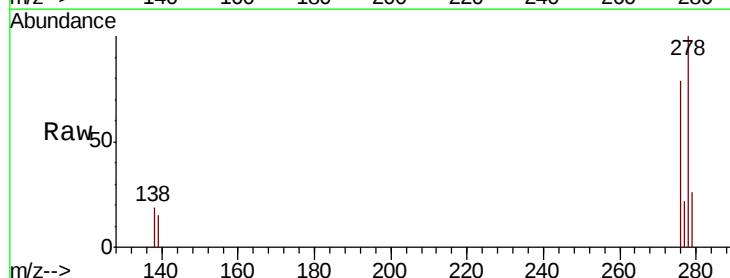
Tgt Ion:278 Resp: 8566

Ion Ratio Lower Upper

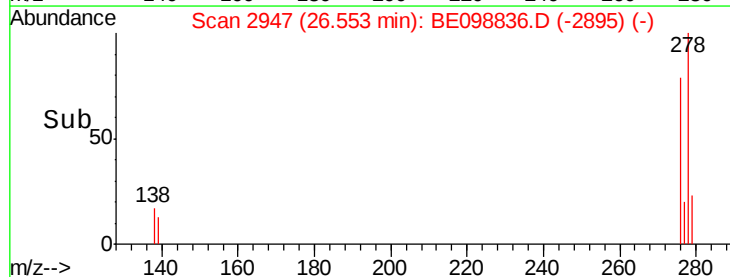
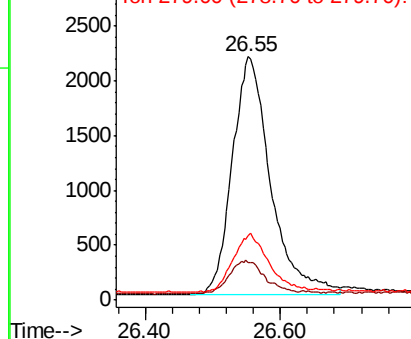
278 100

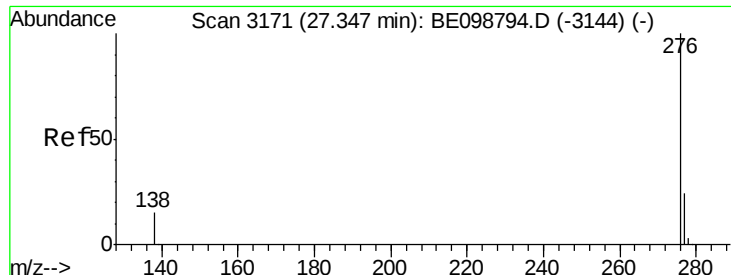
139 15.3 11.8 17.6

279 26.3 21.1 31.7



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: 0.413 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BE098836.D

Acq: 8 Mar 2019 16:10

Instrument :

BNA_E

ClientSampleId :

RE123D1-20190306MSD

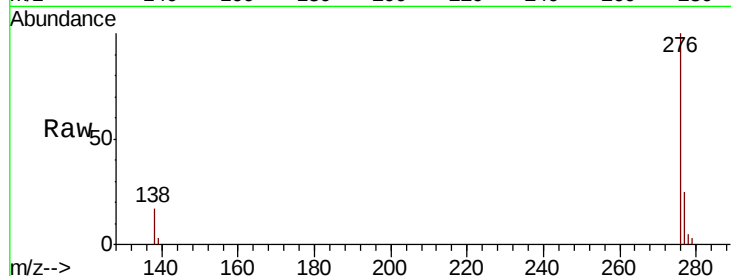
Tot Ion: 276 Resp: 8969

Ion Ratio Lower Upper

276 100

277 25.5 20.4 30.6

138 17.3 13.6 20.4



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

