

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030719\
 Data File : BE098813.D
 Acq On : 7 Mar 2019 10:45
 Operator : JU/SJ
 Sample : PB117620BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117620BS

Quant Time: Mar 07 12:50:37 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	7.80	152	960	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3803	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2537	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6615	0.40	ng	0.00
27) Chrysene-d12	21.39	240	8438	0.40	ng	-0.01
34) Perylene-d12	23.90	264	8533	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1045	0.36	ng	0.00
5) Phenol-d6	6.98	99	1386	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	1477	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	2818	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	458	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4071	0.39	ng	0.00
25) Fluoranthene-d10	19.25	212	39948	0.38	ng	0.00
29) Terphenyl-d14	19.85	244	8127	0.40	ng	0.00

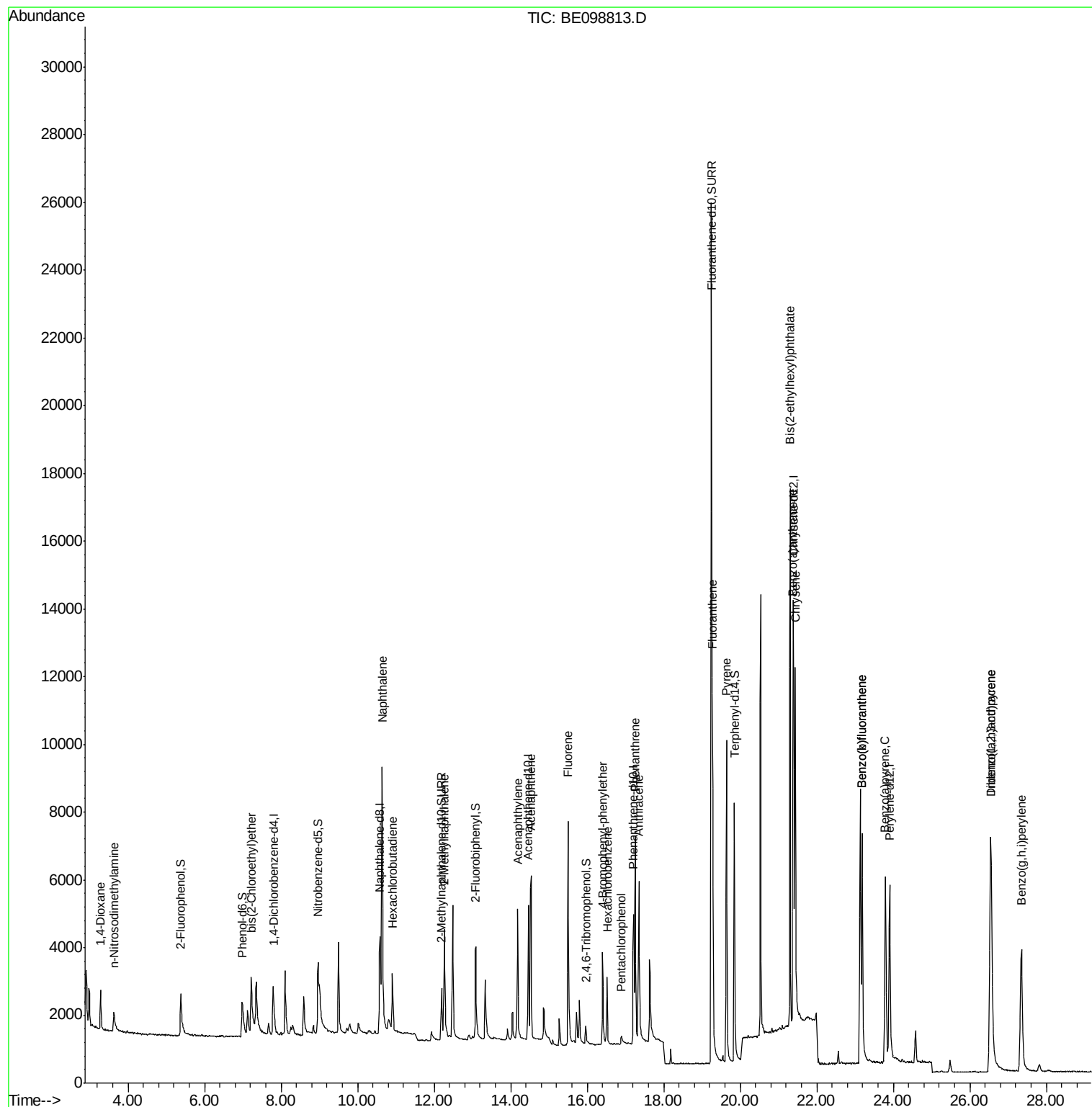
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	706	0.373	ng	98
3) n-Nitrosodimethylamine	3.63	42	766	0.317	ng	# 96
6) bis(2-Chloroethyl)ether	7.22	93	1061	0.339	ng	# 90
9) Naphthalene	10.64	128	17714	0.407	ng	99
10) Hexachlorobutadiene	10.91	225	1155	0.401	ng	98
12) 2-Methylnaphthalene	12.27	142	2798	0.396	ng	97
16) Acenaphthylene	14.18	152	5060	0.388	ng	98
17) Acenaphthene	14.53	154	3035	0.392	ng	98
18) Fluorene	15.50	166	4211	0.377	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	1361	0.380	ng	95
21) Hexachlorobenzene	16.52	284	1611	0.378	ng	98
22) Pentachlorophenol	16.89	266	263	0.446	ng	90
23) Phenanthrene	17.25	178	7211	0.383	ng	99
24) Anthracene	17.35	178	5963	0.371	ng	99
26) Fluoranthene	19.28	202	10114	0.381	ng	99
28) Pyrene	19.64	202	10450	0.405	ng	100
30) Benzo(a)anthracene	21.38	228	10857	0.412	ng	98
31) Chrysene	21.44	228	10702	0.380	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	19452	0.347	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	12269	0.412	ng	97
35) Benzo(b)fluoranthene	23.18	252	11321	0.403	ng	100
36) Benzo(k)fluoranthene	23.18	252	11321	0.385	ng	97
37) Benzo(a)pyrene	23.79	252	10514	0.391	ng	# 96
38) Dibenzo(a,h)anthracene	26.56	278	10045	0.395	ng	# 96
39) Benzo(g,h,i)perylene	27.35	276	10210	0.384	ng	99

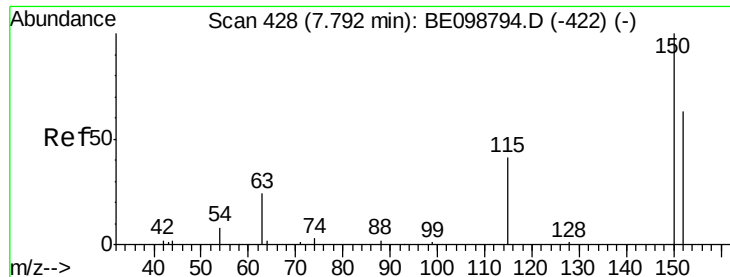
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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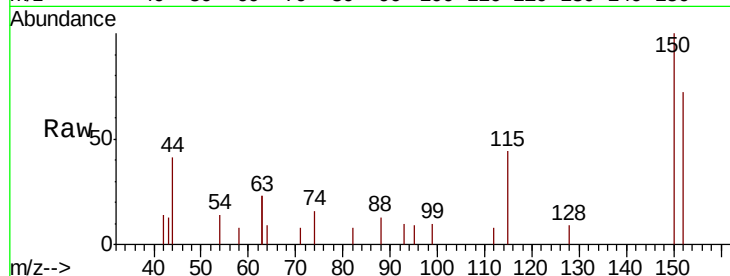


#1

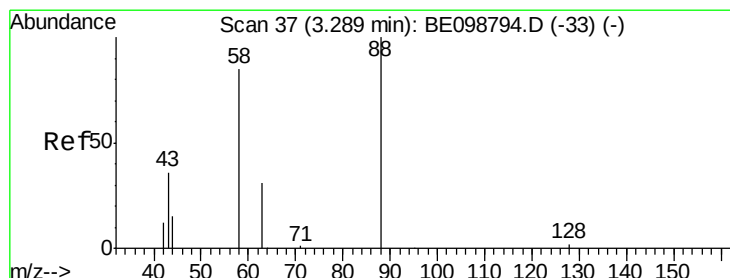
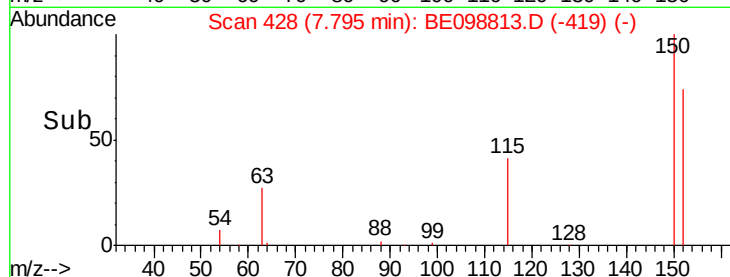
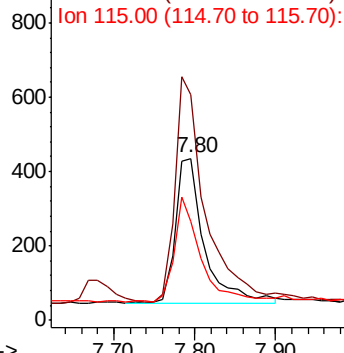
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Instrument :
BNA_E
ClientSampleId :
PB117620BS

Tot Ion:152 Resp: 960
Ion Ratio Lower Upper
152 100
150 139.5 122.5 183.7
115 61.1 57.4 86.2



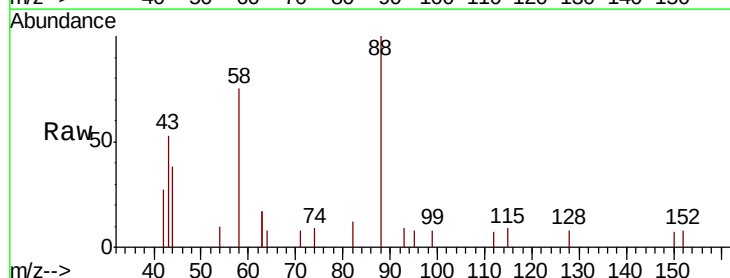
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



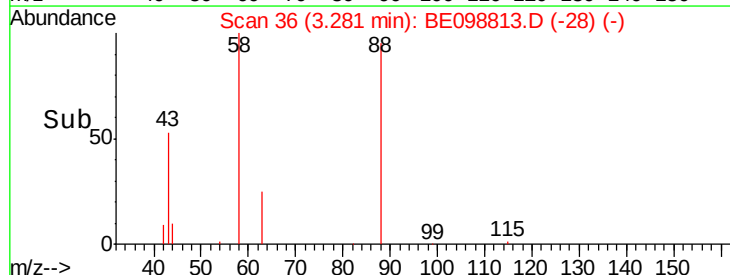
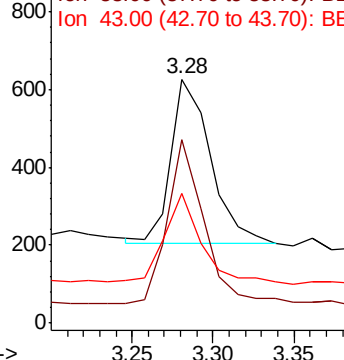
#2

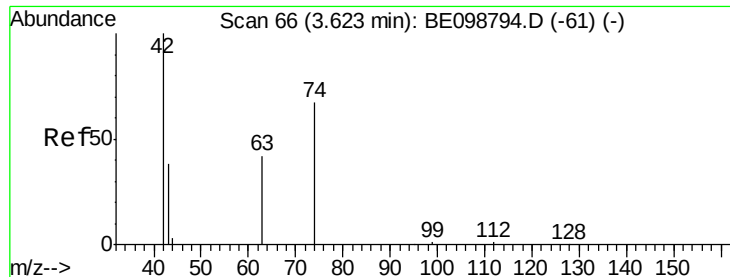
1,4-Dioxane
Concen: 0.373 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Tgt Ion: 88 Resp: 706
Ion Ratio Lower Upper
88 100
58 93.3 75.8 113.6
43 49.3 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



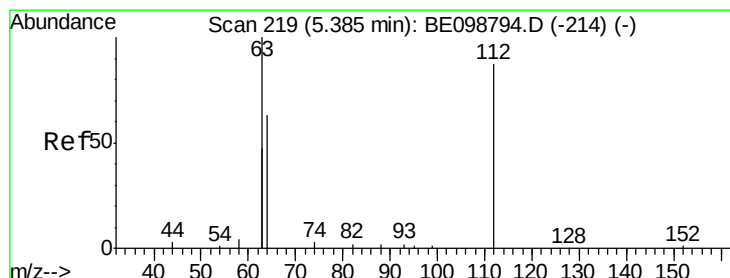
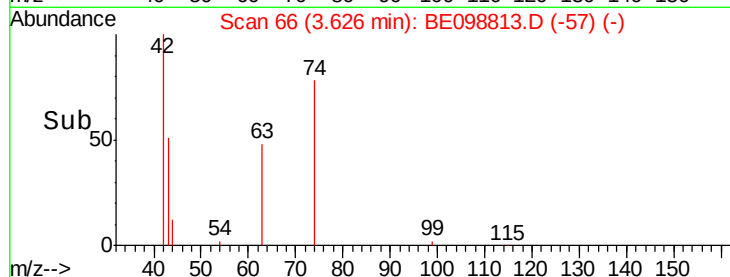
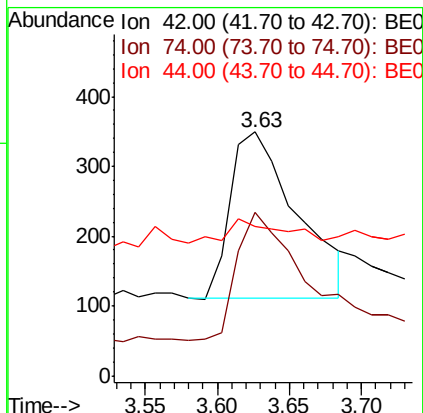
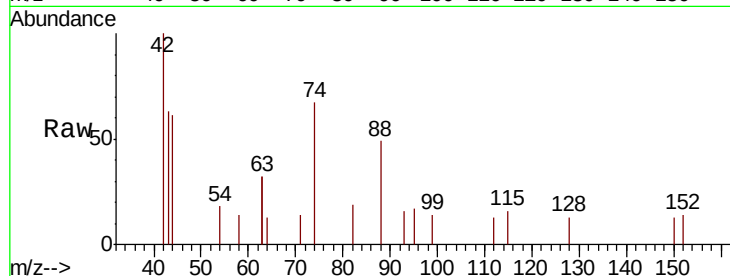


#3

n-Nitrosodimethylamine
 Concen: 0.317 ng
 RT: 3.63 min Scan# 66
 Delta R.T. 0.00 min
 Lab File: BE098813.D
 Acq: 7 Mar 2019 10:45

Instrument :
 BNA_E
 ClientSampleId :
 PB117620BS

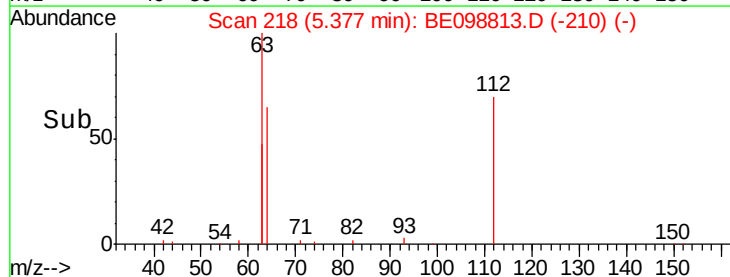
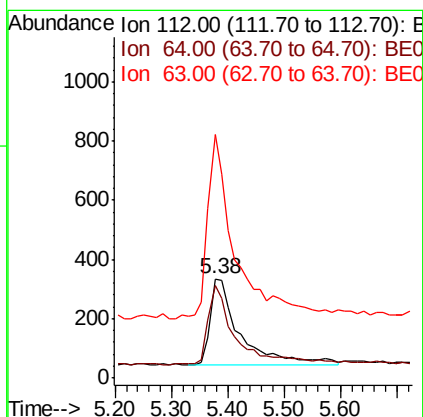
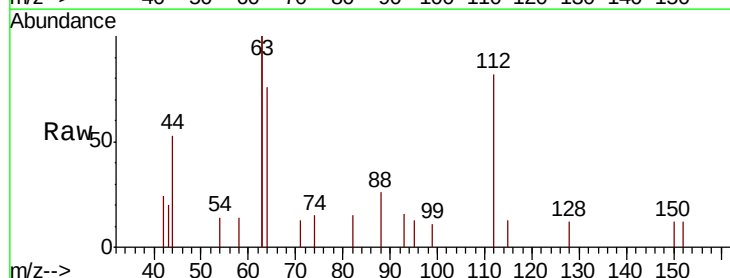
Tot Ion: 42 Resp: 766
 Ion Ratio Lower Upper
 42 100
 74 67.8 57.0 85.4
 44 12.9 0.0 0.0#

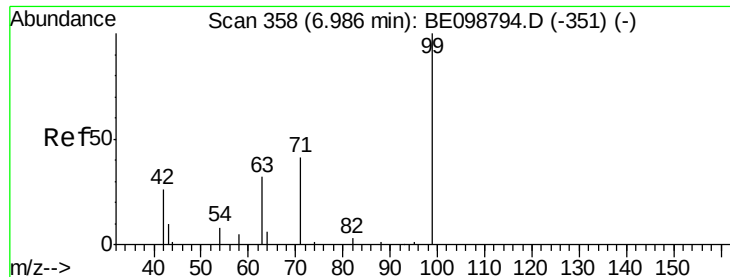


#4

2-Fluorophenol
 Concen: 0.364 ng
 RT: 5.38 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: BE098813.D
 Acq: 7 Mar 2019 10:45

Tgt Ion: 112 Resp: 1045
 Ion Ratio Lower Upper
 112 100
 64 83.2 57.9 86.9
 63 206.6 158.3 237.5





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

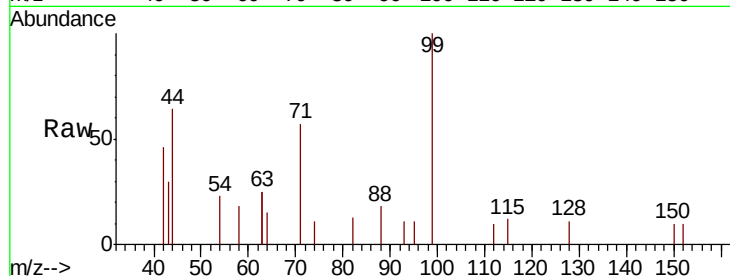
Tot Ion: 99 Resp: 1386

Ion Ratio Lower Upper

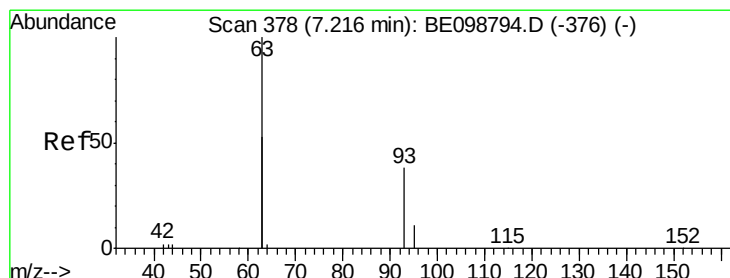
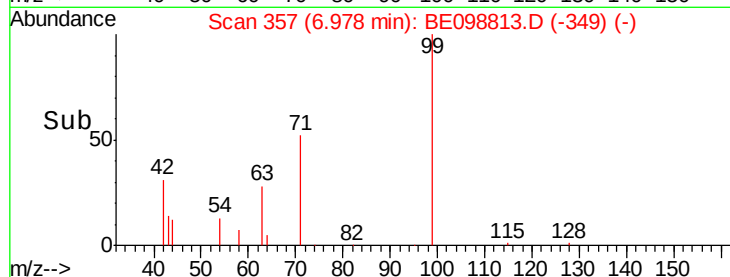
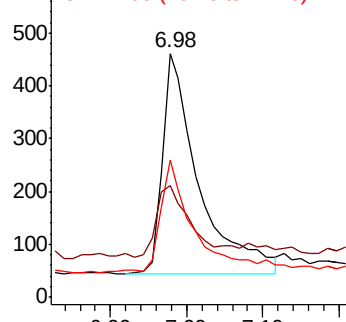
99 100

42 29.6 24.2 36.2

71 48.1 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: 0.339 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

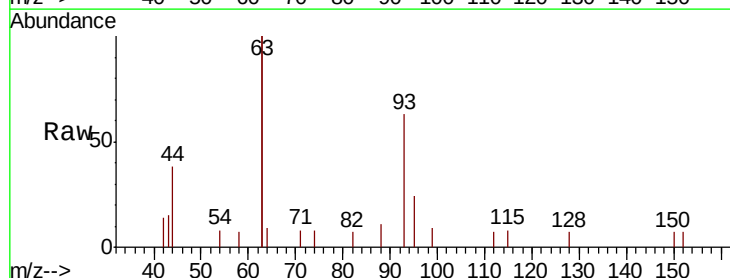
Tgt Ion: 93 Resp: 1061

Ion Ratio Lower Upper

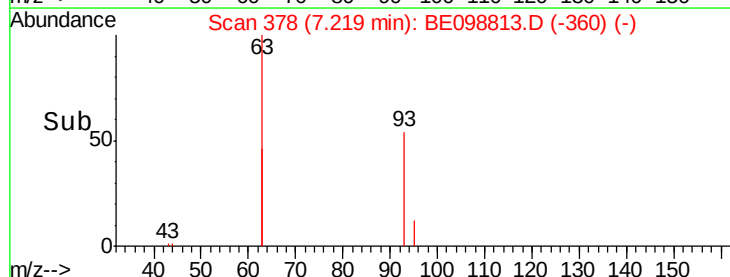
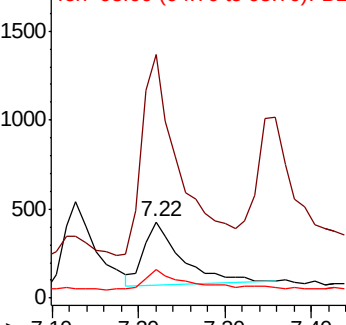
93 100

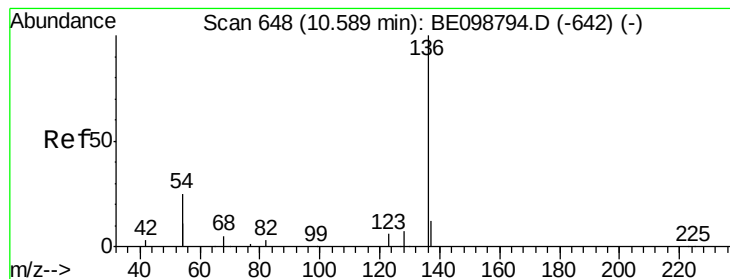
63 328.9 247.5 371.3

95 36.8 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: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

Tot Ion:136 Resp: 3803

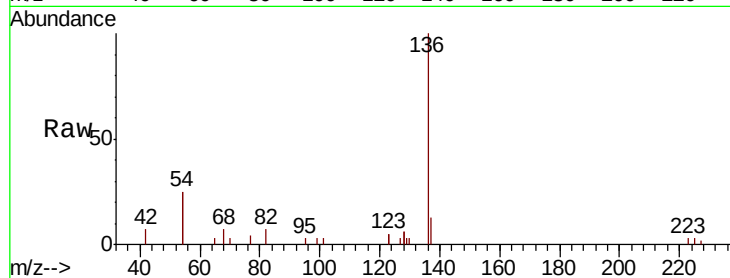
Ion Ratio Lower Upper

136 100

137 12.9 11.4 17.0

54 49.6 39.3 58.9

68 7.4 6.7 10.1

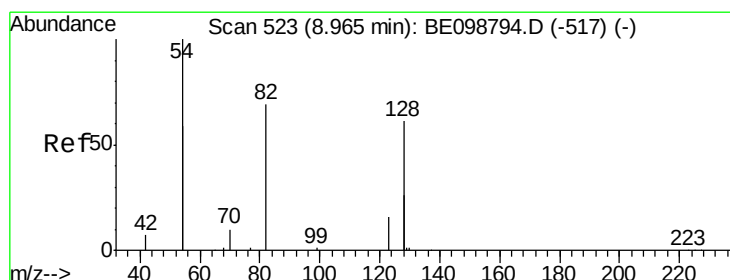
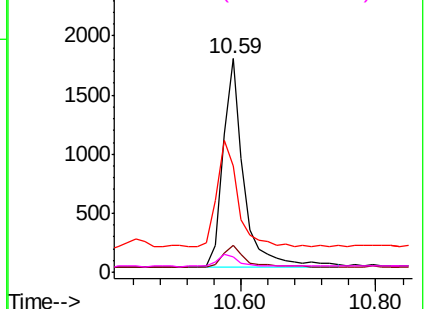
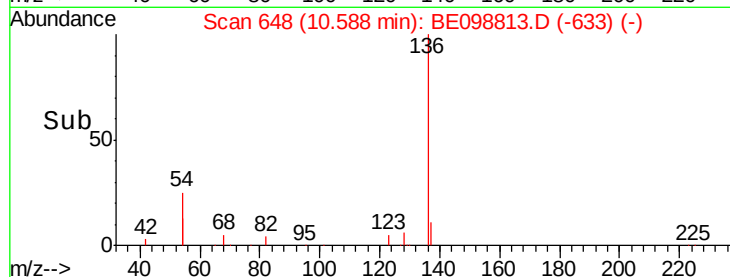


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.370 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

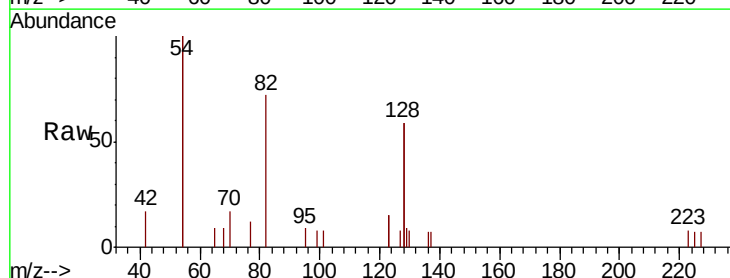
Tgt Ion: 82 Resp: 1477

Ion Ratio Lower Upper

82 100

128 161.8 123.8 185.8

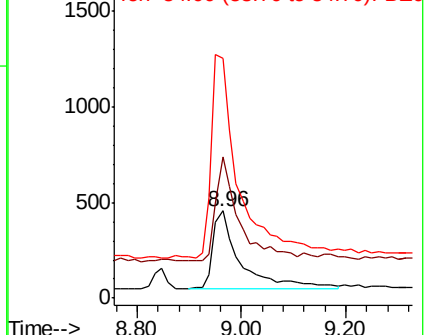
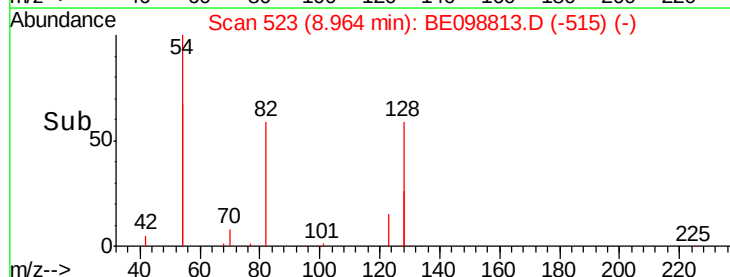
54 276.5 203.4 305.2

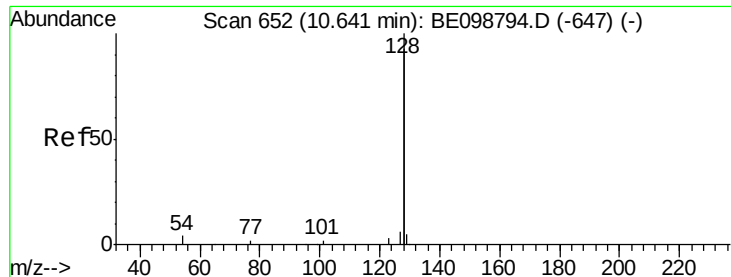


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.407 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

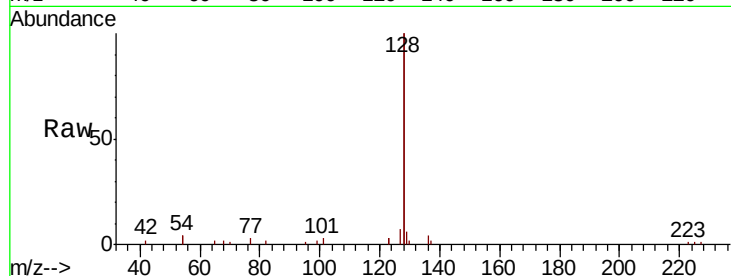
Tot Ion:128 Resp: 17714

Ion Ratio Lower Upper

128 100

129 3.1 2.6 4.0

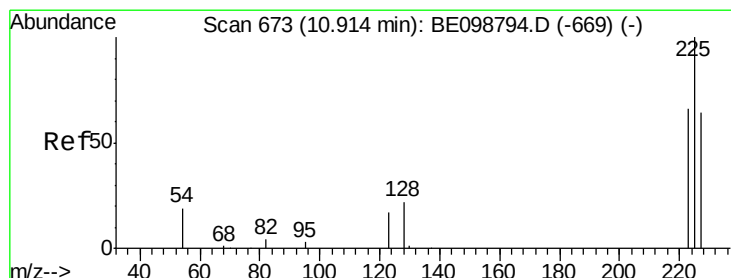
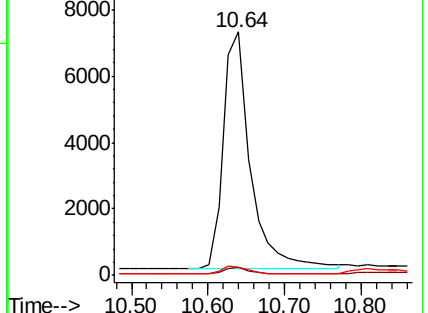
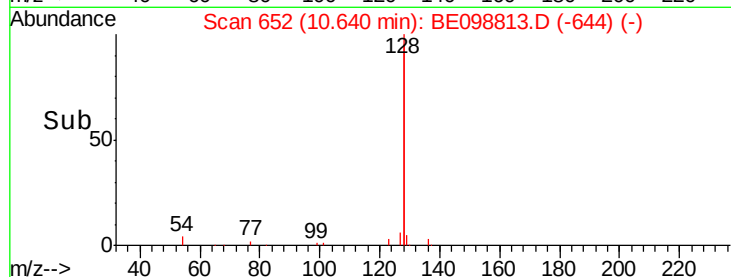
127 3.6 3.1 4.7



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: 0.401 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

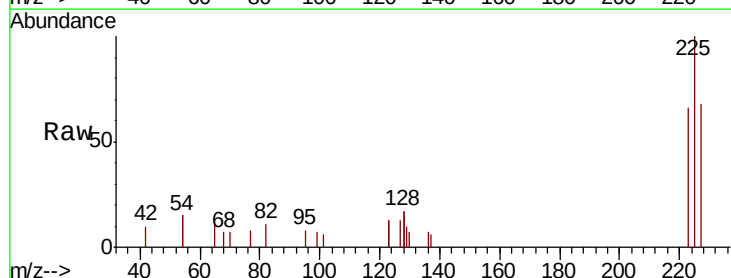
Tgt Ion:225 Resp: 1155

Ion Ratio Lower Upper

225 100

223 62.6 51.1 76.7

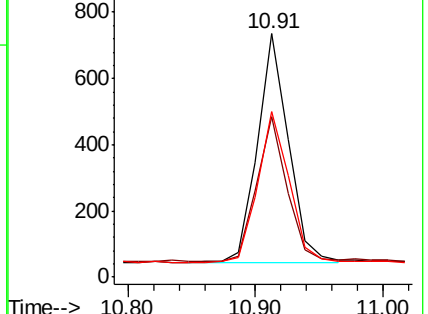
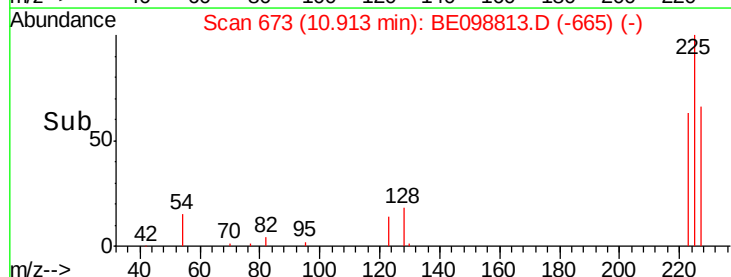
227 67.0 51.6 77.4

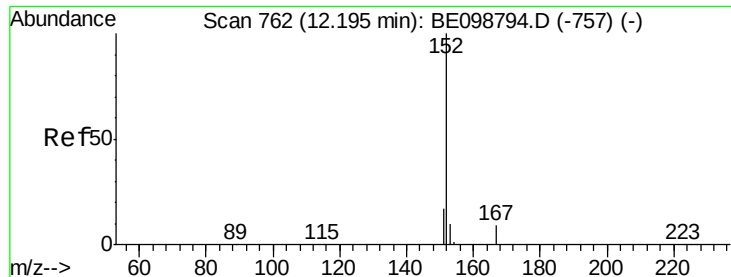


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

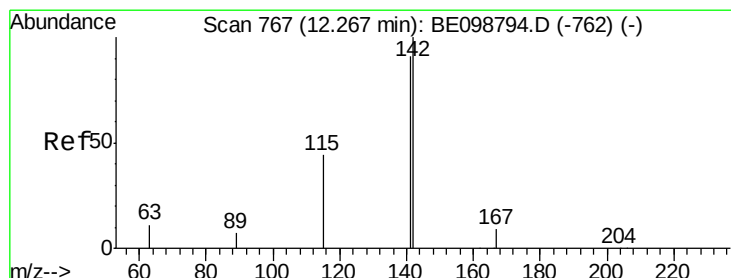
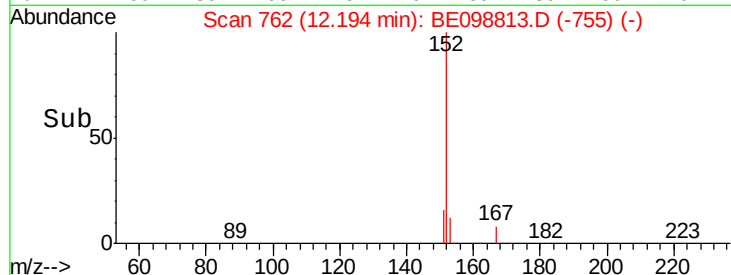
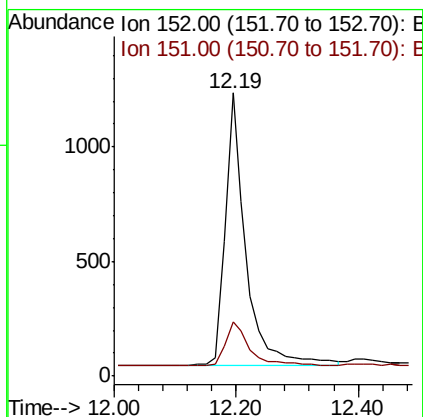
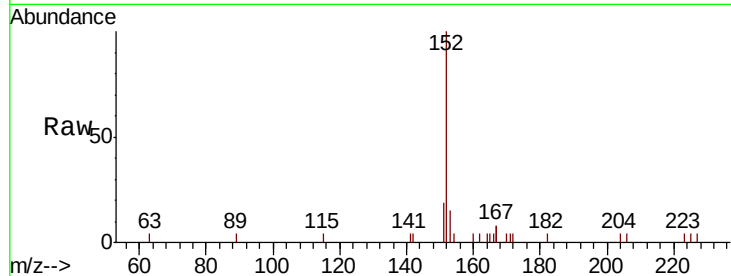




#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

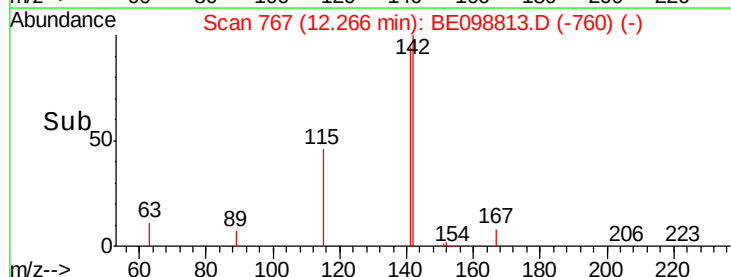
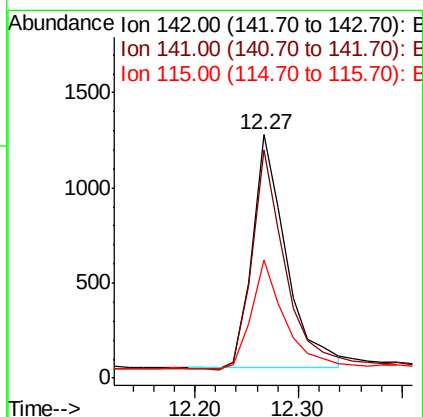
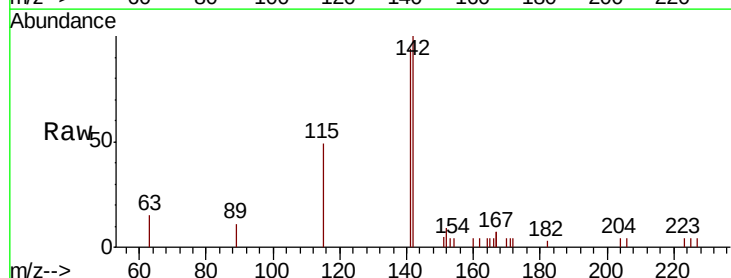
Instrument :
BNA_E
ClientSampleId :
PB117620BS

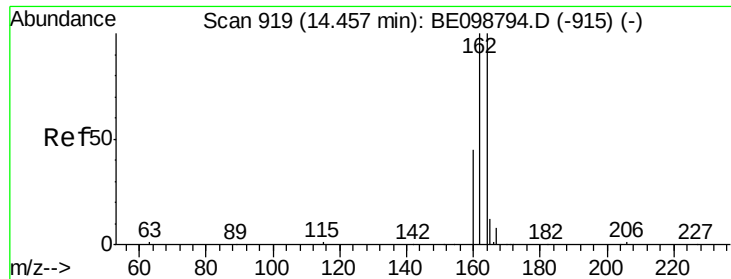
Tot Ion:152 Resp: 2818
Ion Ratio Lower Upper
152 100
151 19.2 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Tgt Ion:142 Resp: 2798
Ion Ratio Lower Upper
142 100
141 93.5 72.6 108.8
115 48.5 37.4 56.2

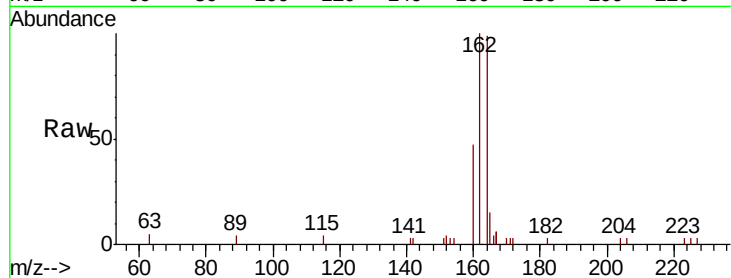




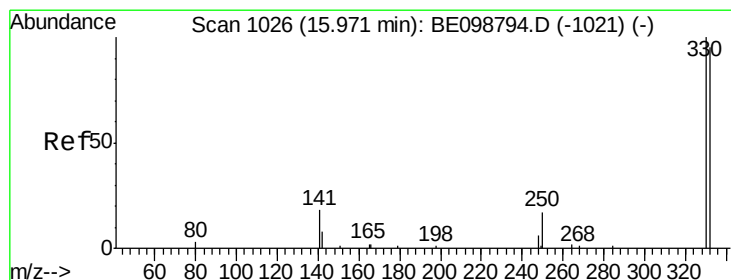
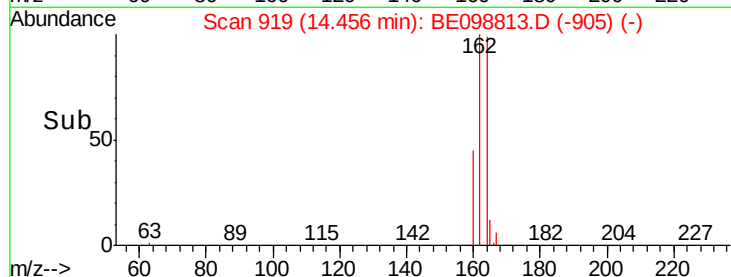
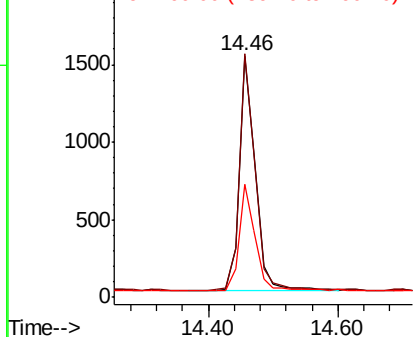
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Instrument :
BNA_E
ClientSampleId :
PB117620BS

Tot Ion:164 Resp: 2537
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 46.9 37.8 56.8

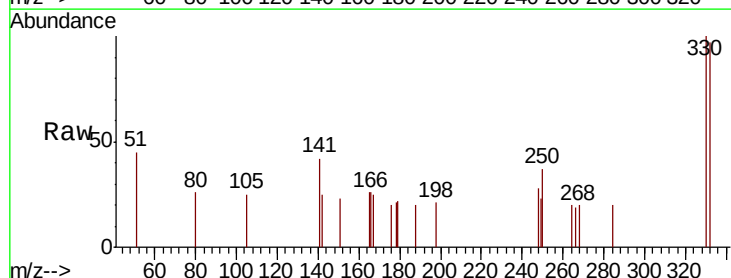


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

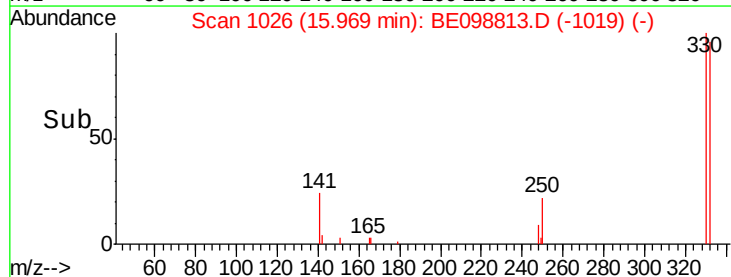
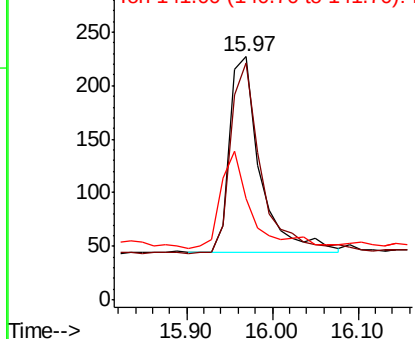


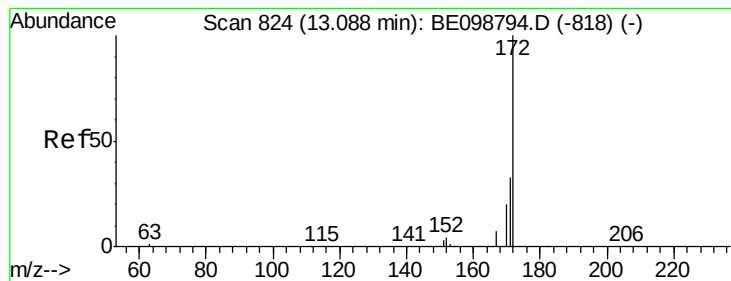
#14
2,4,6-Tribromophenol
Concen: 0.358 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Tgt Ion:330 Resp: 458
Ion Ratio Lower Upper
330 100
332 101.5 77.6 116.4
141 49.1 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

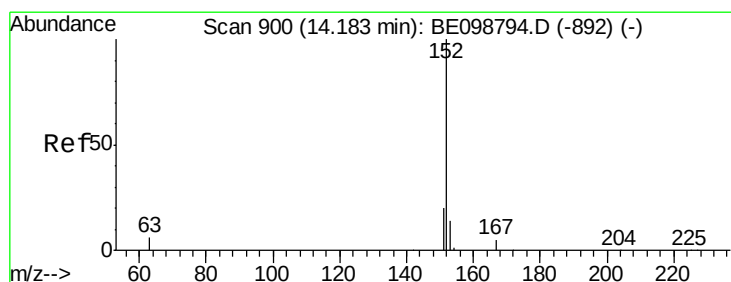
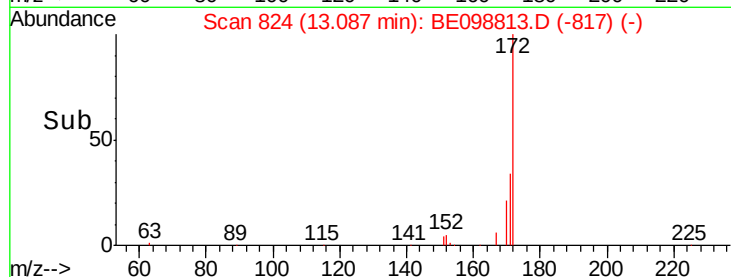
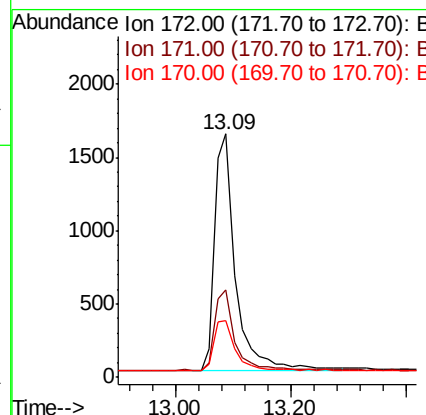
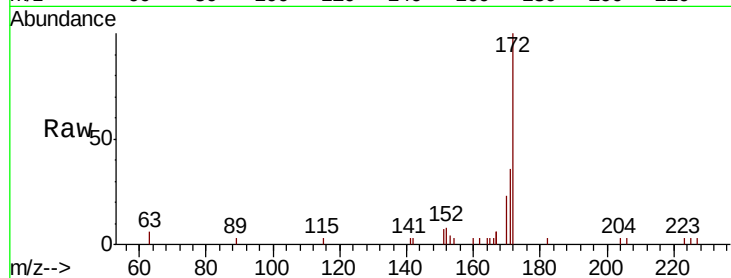




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

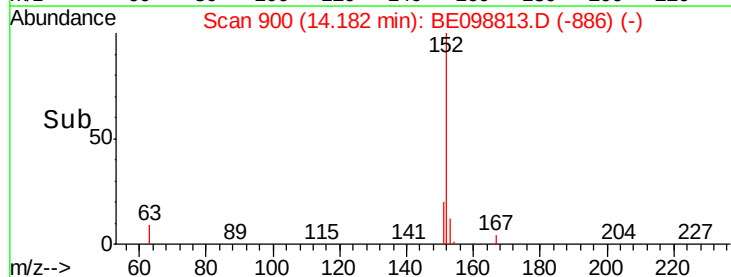
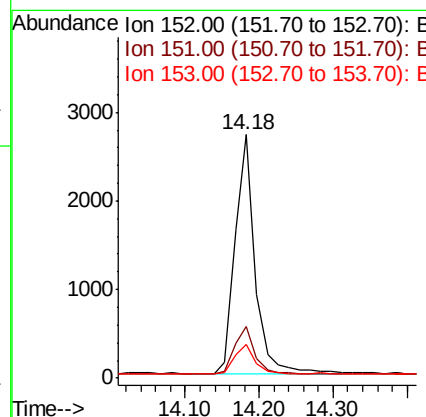
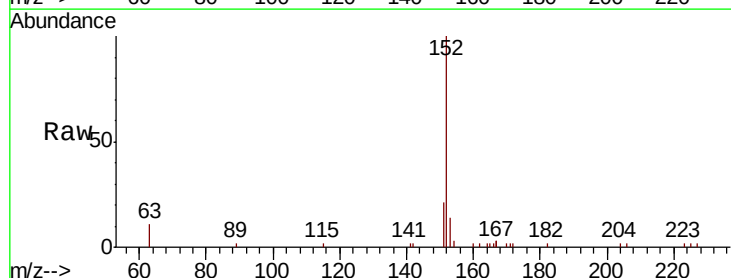
Instrument :
BNA_E
ClientSampleId :
PB117620BS

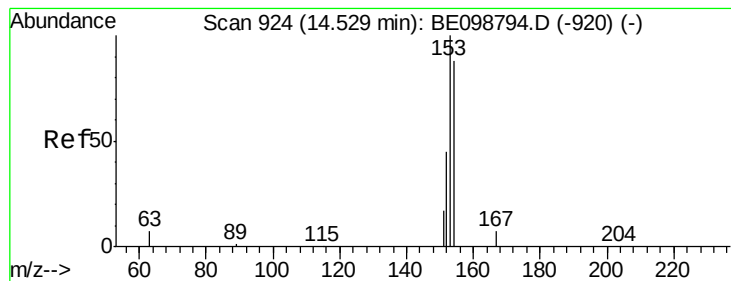
Tot Ion:172 Resp: 4071
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.1 17.7 26.5



#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098813.D
Acq: 7 Mar 2019 10:45

Tgt Ion:152 Resp: 5060
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6
153 12.7 11.2 16.8





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

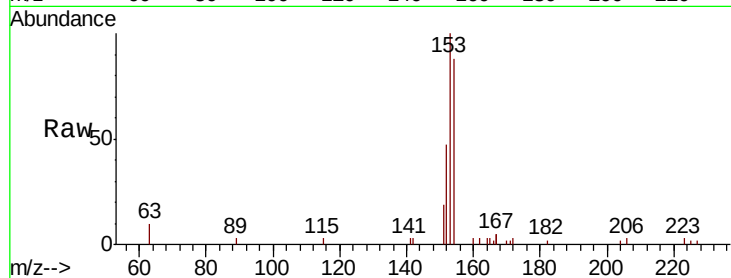
Tot Ion:154 Resp: 3035

Ion Ratio Lower Upper

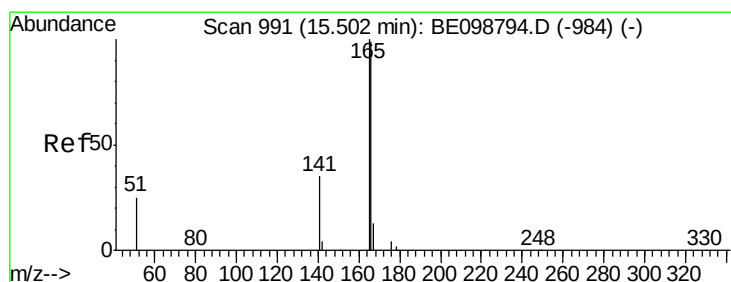
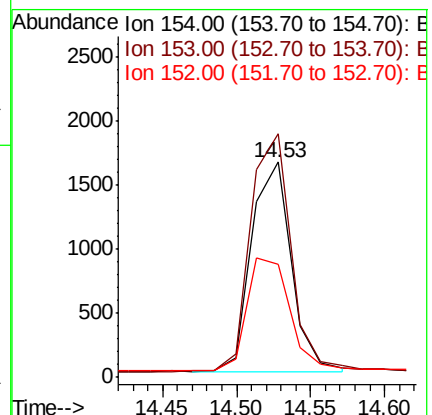
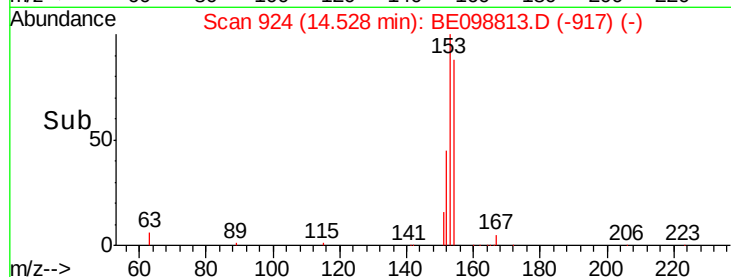
154 100

153 115.8 94.2 141.4

152 58.2 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: 0.377 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

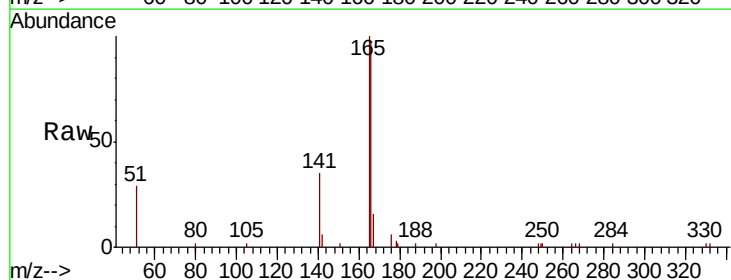
Tgt Ion:166 Resp: 4211

Ion Ratio Lower Upper

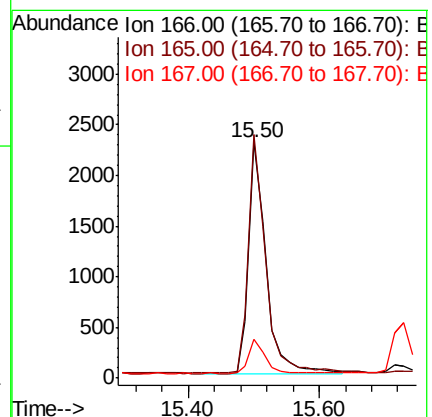
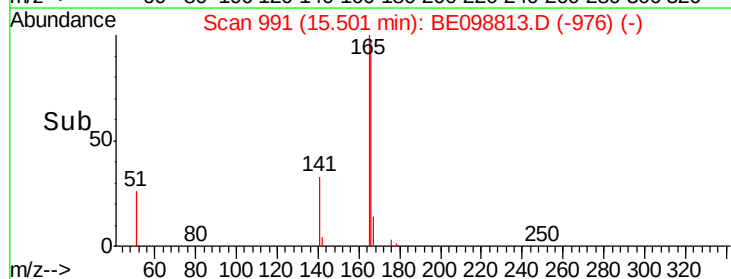
166 100

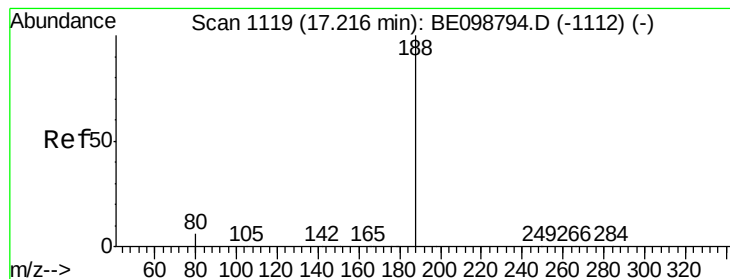
165 101.6 79.3 118.9

167 14.2 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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

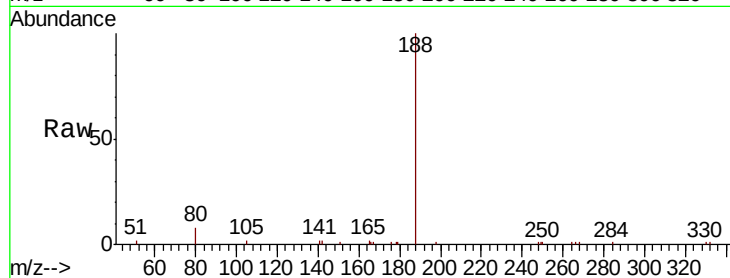
Tot Ion:188 Resp: 6615

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

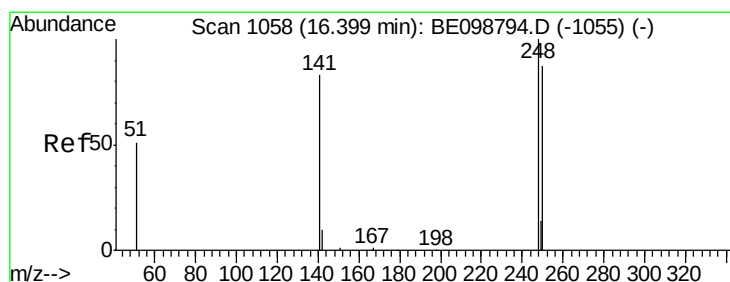
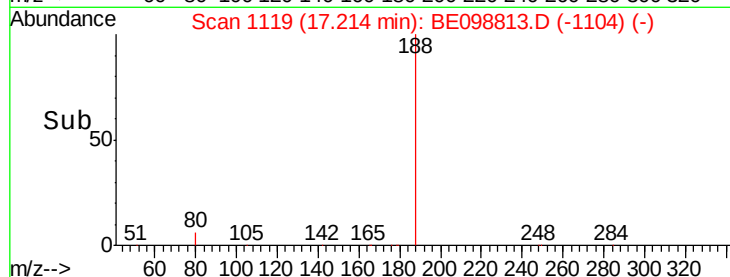
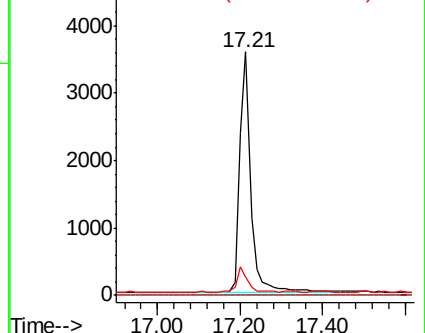
80 7.7 6.3 9.5



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: 0.380 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

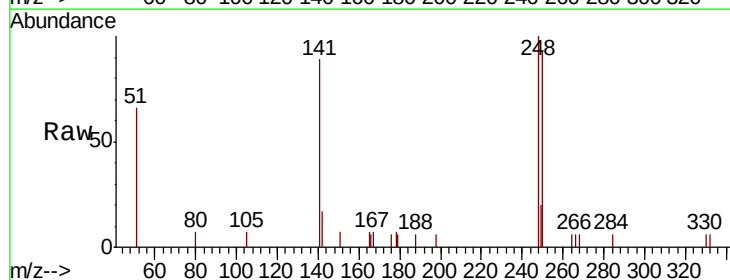
Tgt Ion:248 Resp: 1361

Ion Ratio Lower Upper

248 100

250 93.3 70.6 105.8

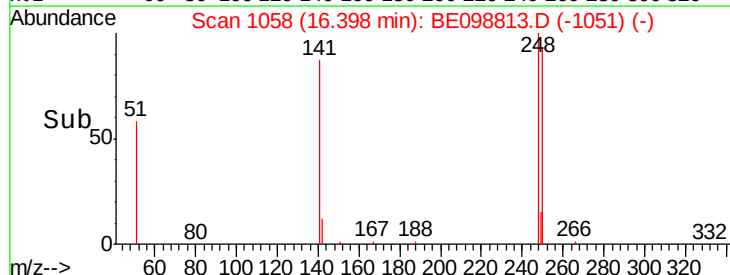
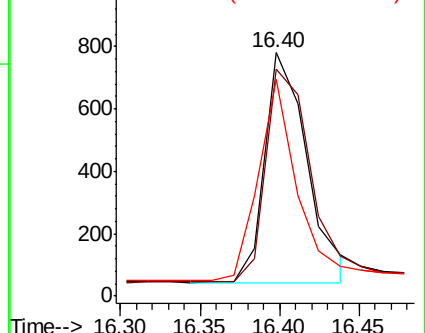
141 89.1 68.6 102.8

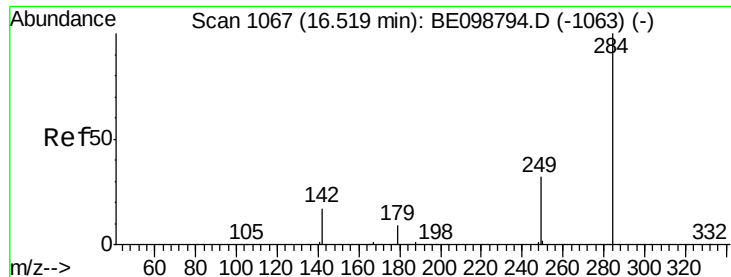


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

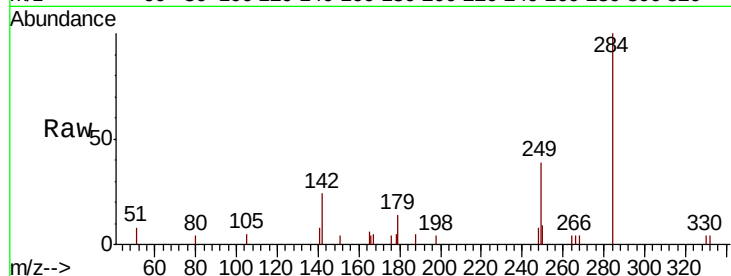
Tot Ion:284 Resp: 1611

Ion Ratio Lower Upper

284 100

142 37.6 28.7 43.1

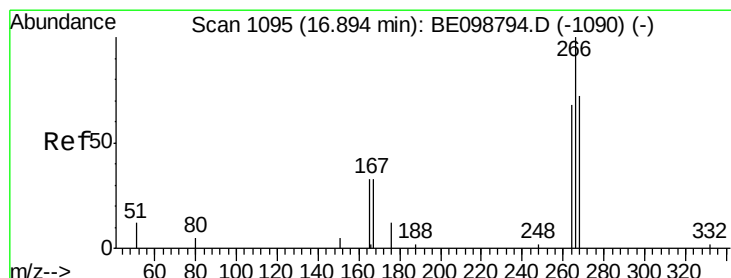
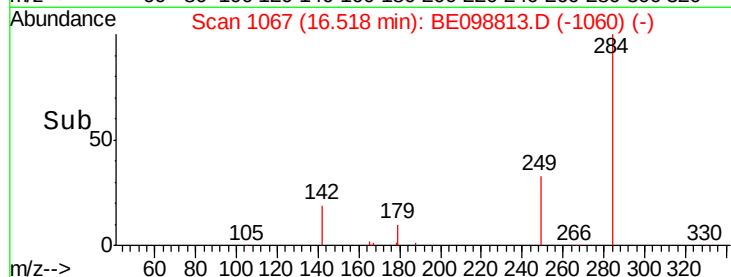
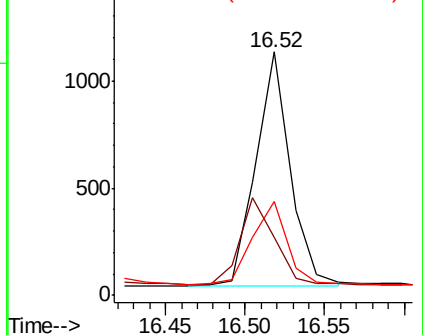
249 36.7 29.6 44.4



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: 0.446 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

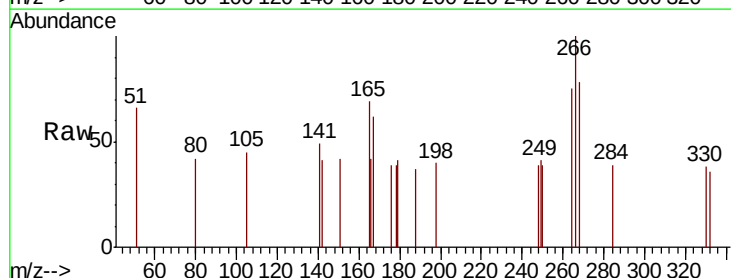
Tgt Ion:266 Resp: 263

Ion Ratio Lower Upper

266 100

264 74.6 66.6 100.0

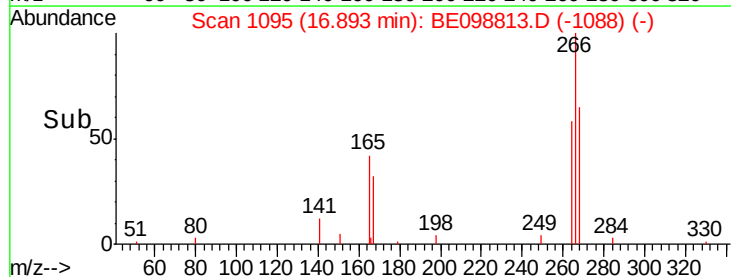
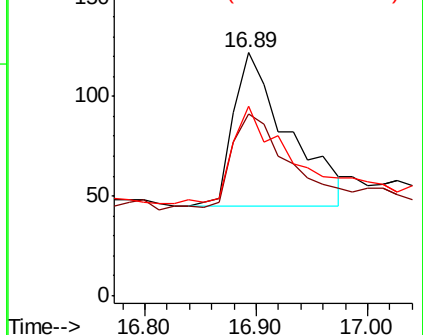
268 77.9 69.8 104.8

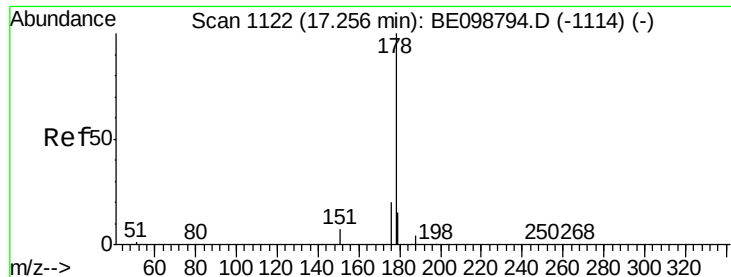


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.383 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

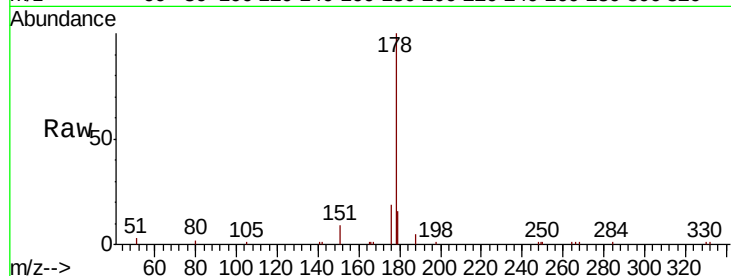
Tot Ion:178 Resp: 7211

Ion Ratio Lower Upper

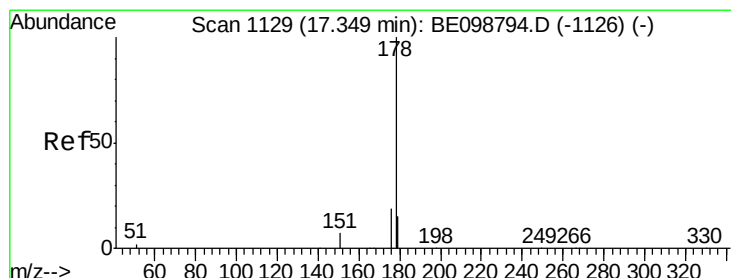
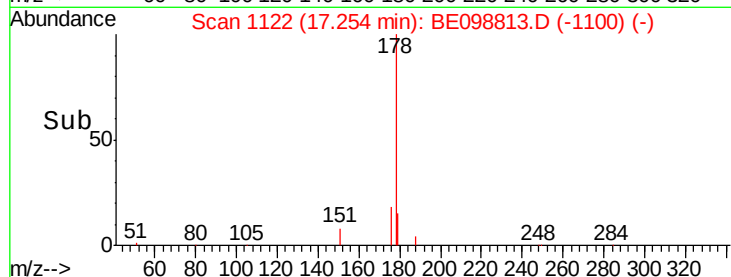
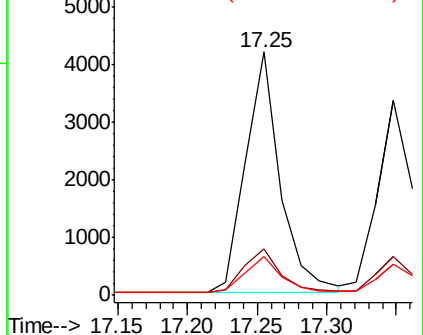
178 100

176 19.4 16.0 24.0

179 15.6 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: 0.371 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

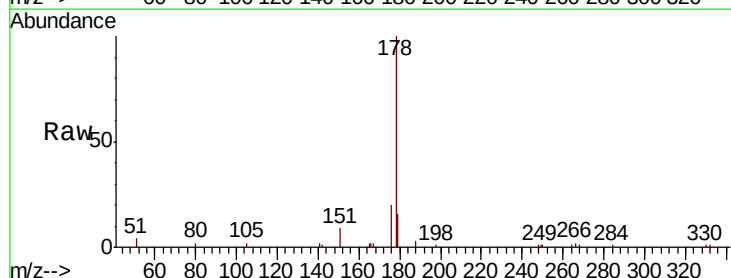
Tgt Ion:178 Resp: 5963

Ion Ratio Lower Upper

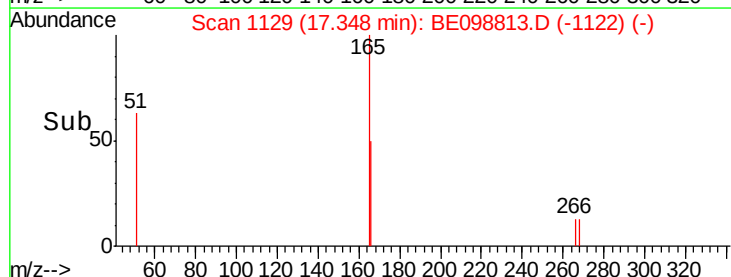
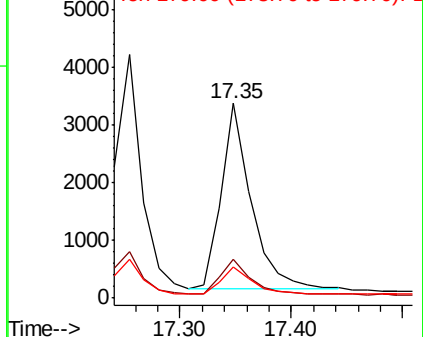
178 100

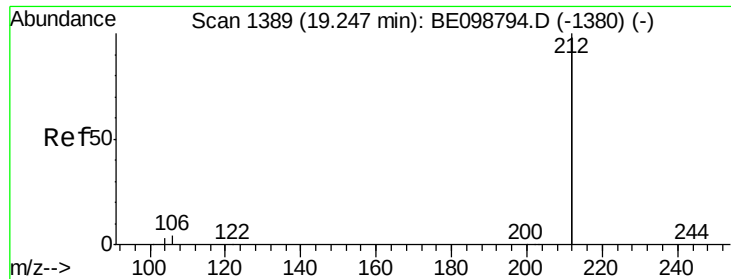
176 18.9 15.4 23.0

179 15.7 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: 0.378 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

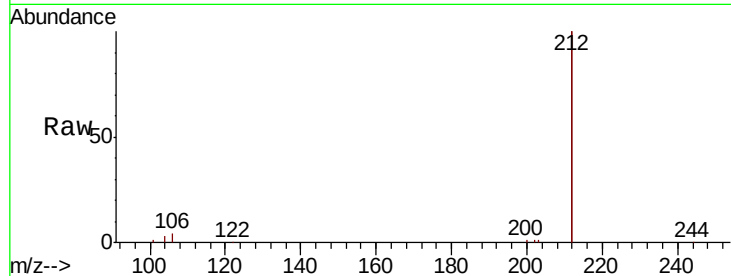
Tot Ion:212 Resp: 39948

Ion Ratio Lower Upper

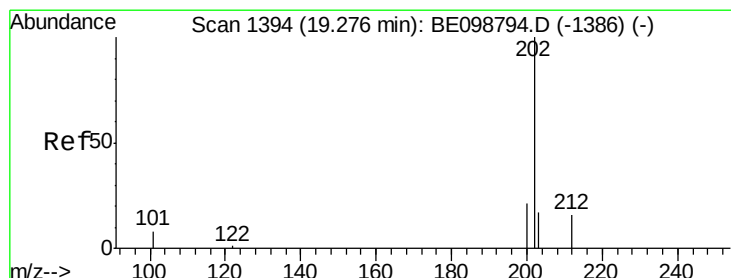
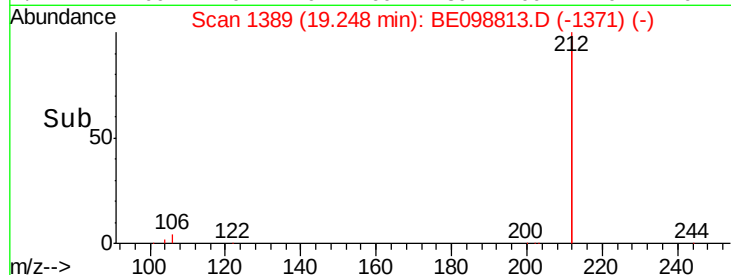
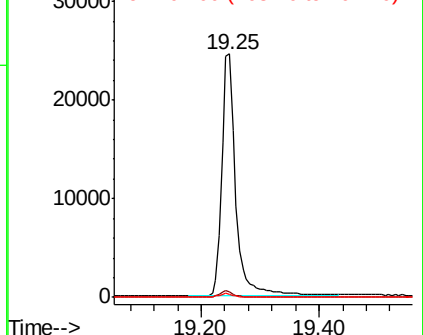
212 100

106 2.2 1.8 2.8

104 1.3 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: 0.381 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

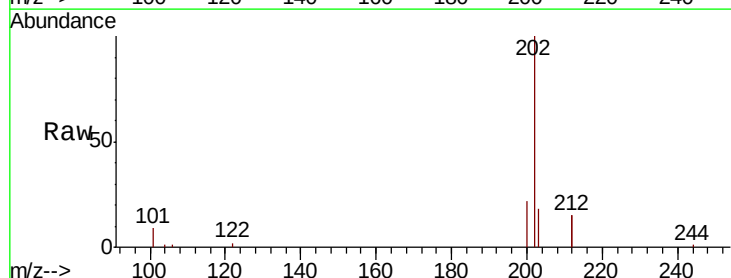
Tgt Ion:202 Resp: 10114

Ion Ratio Lower Upper

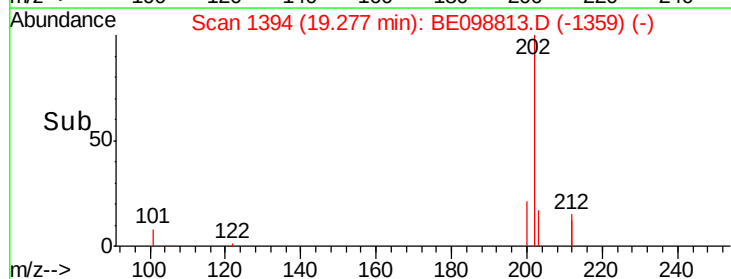
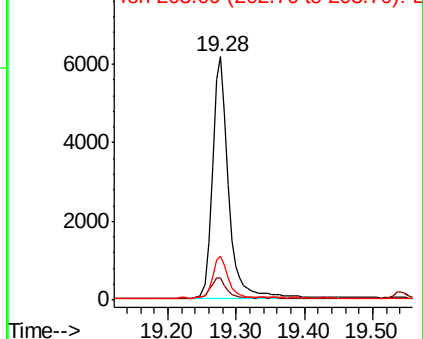
202 100

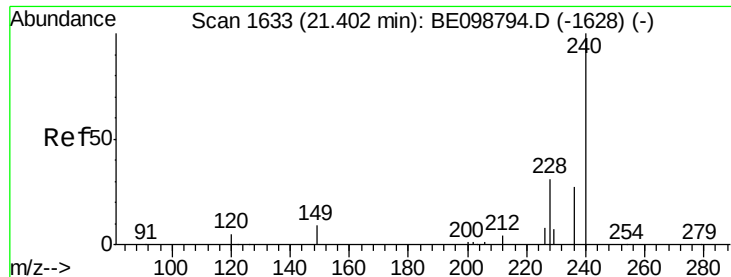
101 8.5 7.3 10.9

203 17.0 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# 1632

Delta R.T. -0.01 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

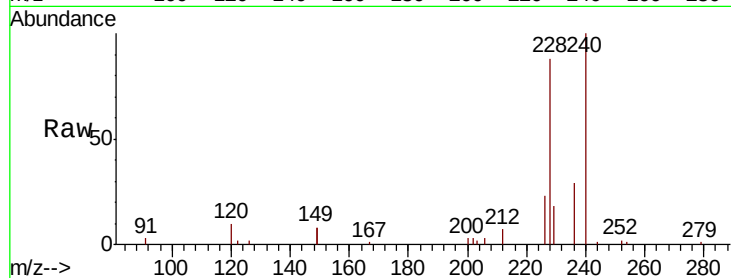
Tot Ion:240 Resp: 8438

Ion Ratio Lower Upper

240 100

120 10.4 5.0 7.4#

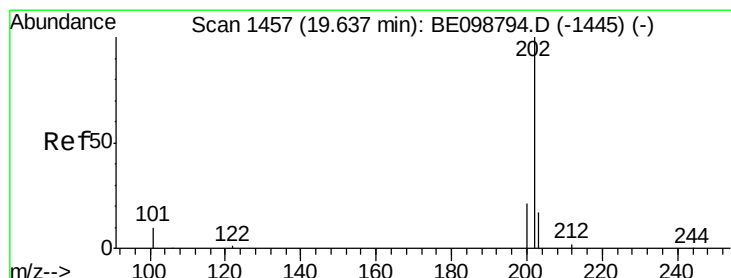
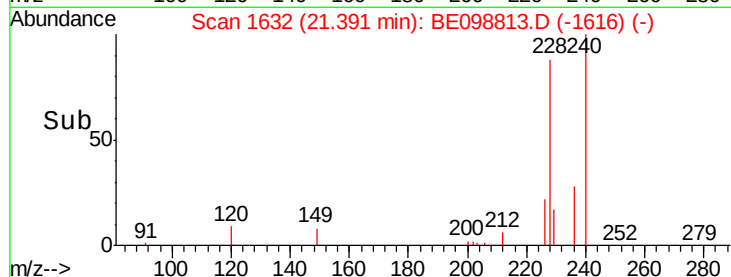
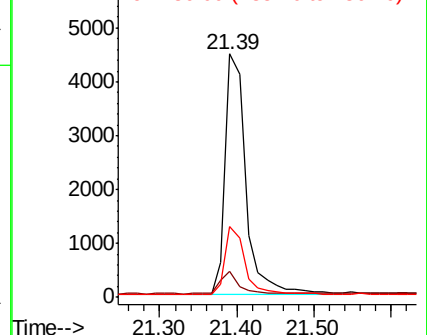
236 29.0 22.7 34.1



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: 0.405 ng

RT: 19.64 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

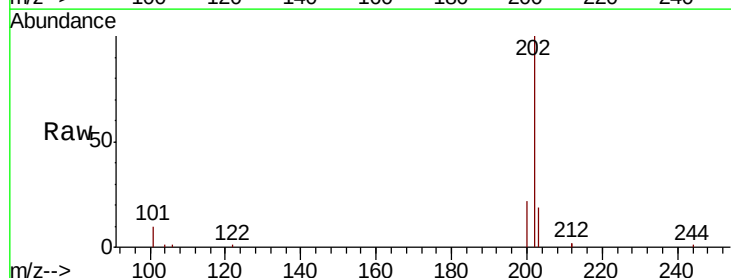
Tgt Ion:202 Resp: 10450

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

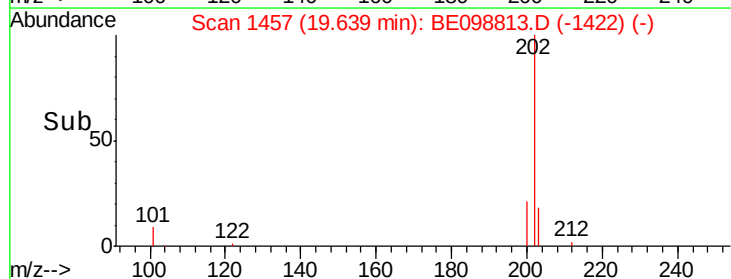
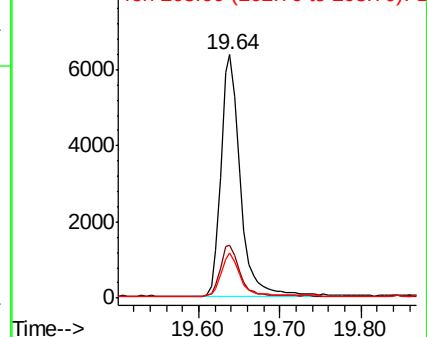
203 17.9 14.2 21.2

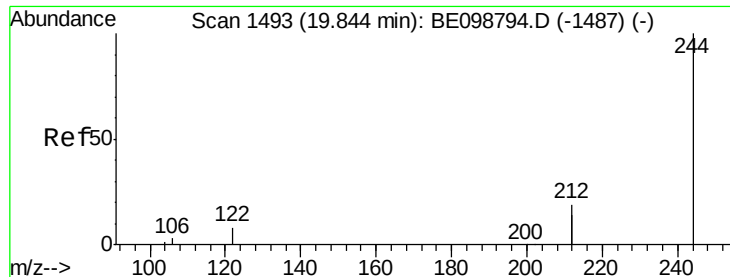


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.396 ng

RT: 19.85 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

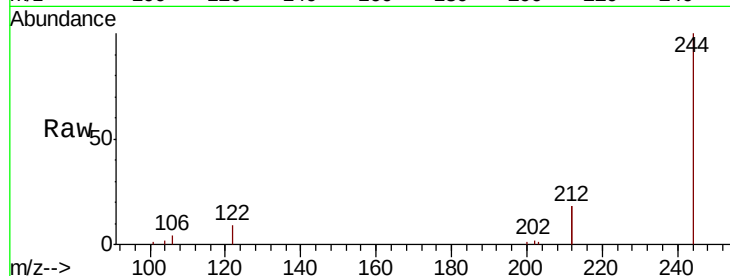
Tot Ion:244 Resp: 8127

Ion Ratio Lower Upper

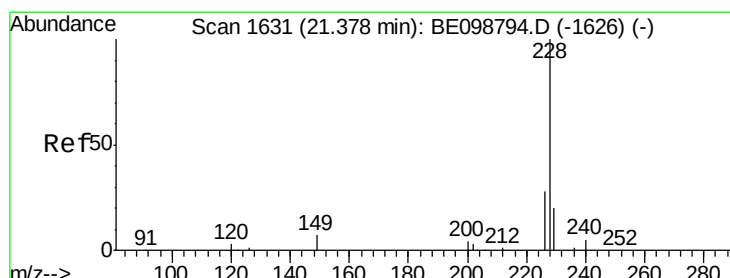
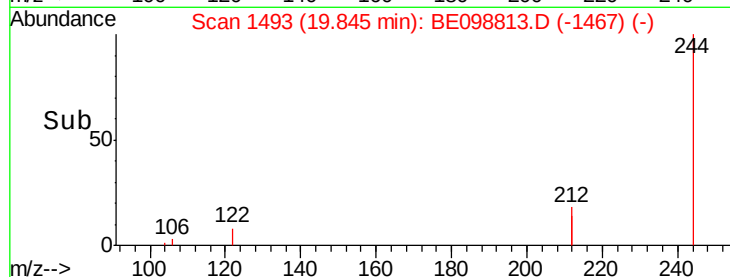
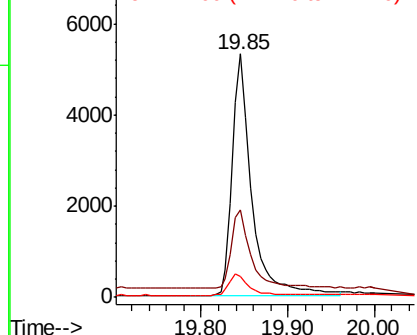
244 100

212 36.0 29.4 44.2

122 8.7 7.1 10.7



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: 0.412 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

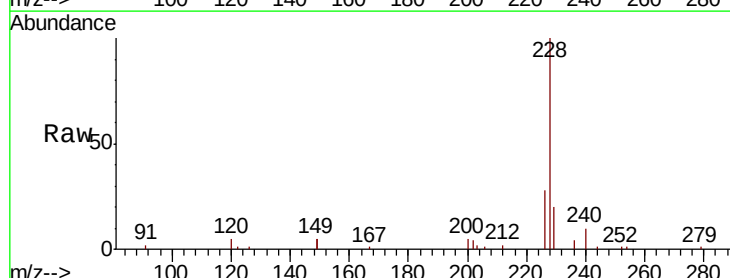
Tgt Ion:228 Resp: 10857

Ion Ratio Lower Upper

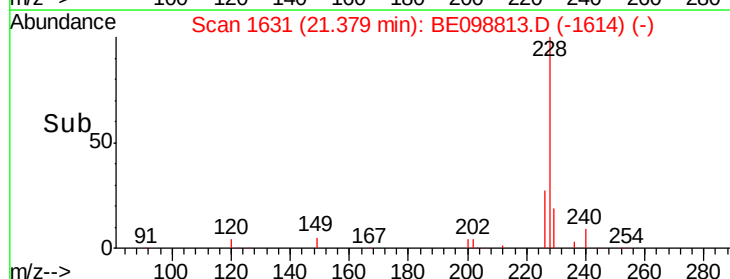
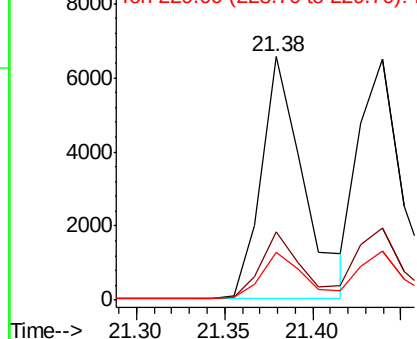
228 100

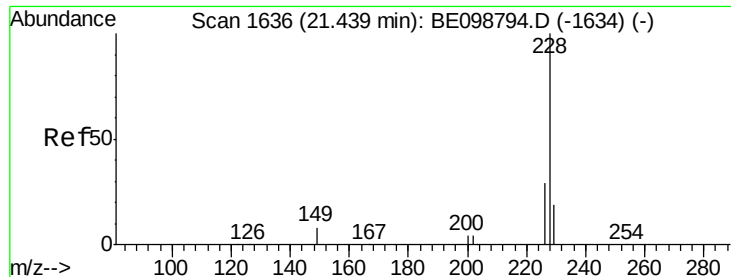
226 27.9 23.0 34.4

229 19.8 16.5 24.7



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: 0.380 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

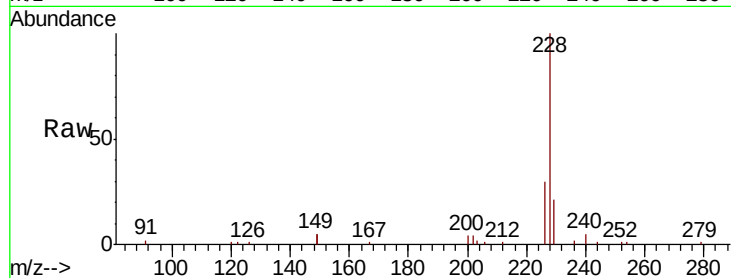
Tot Ion:228 Resp: 10702

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

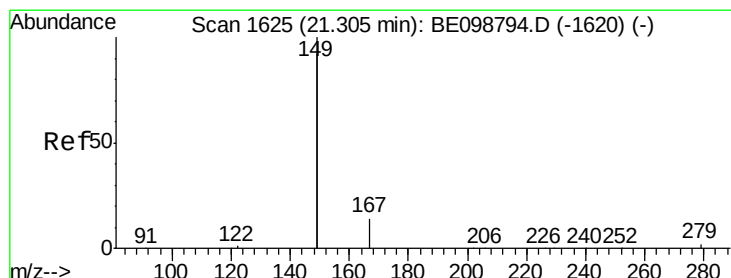
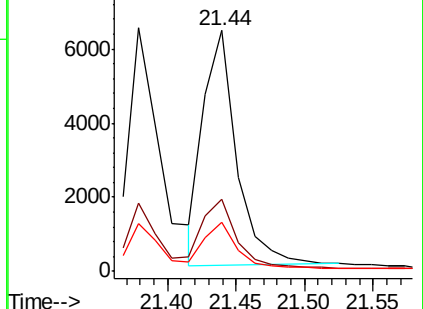
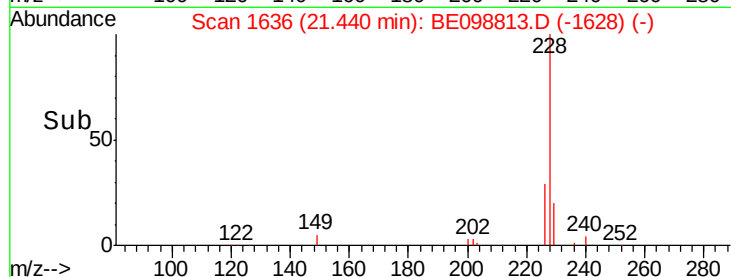
229 20.6 16.1 24.1



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: 0.347 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

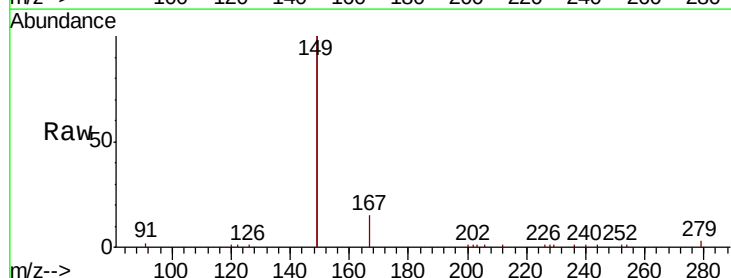
Tgt Ion:149 Resp: 19452

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

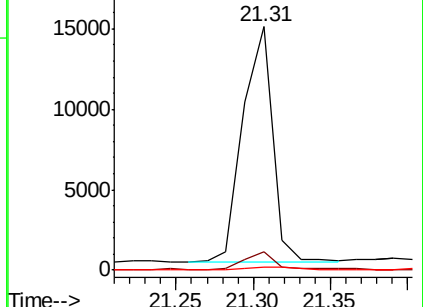
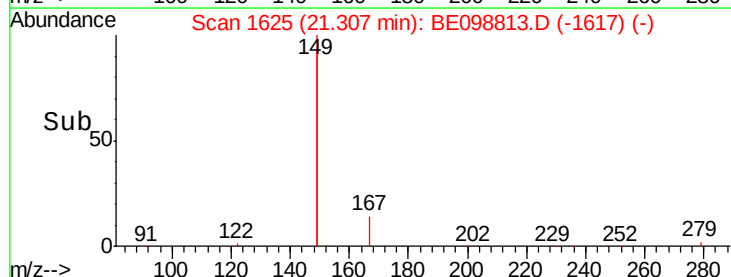
279 1.1 1.0 1.4

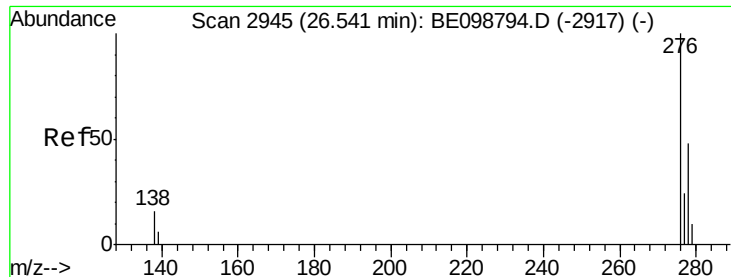


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.412 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

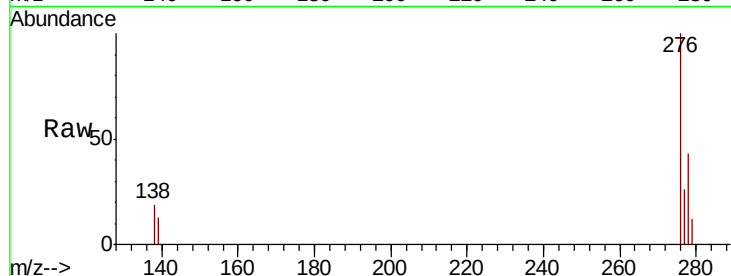
Tot Ion:276 Resp: 12269

Ion Ratio Lower Upper

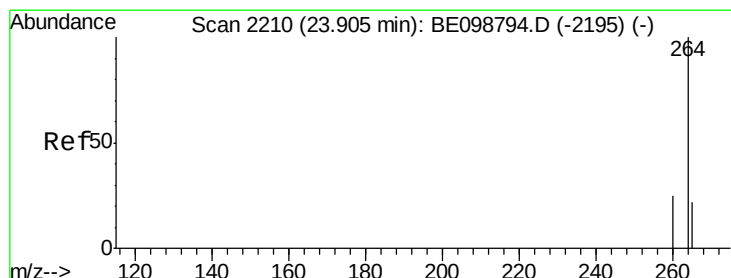
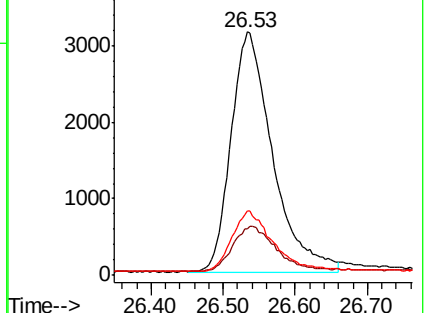
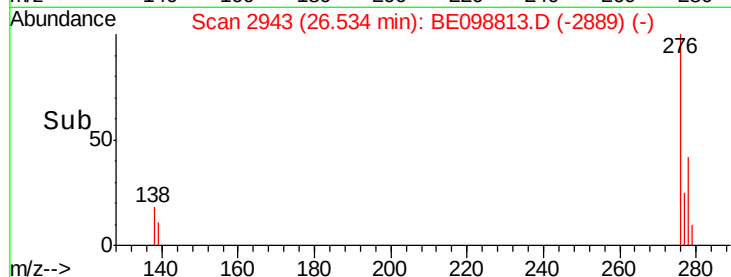
276 100

138 19.4 13.8 20.8

277 25.4 19.5 29.3



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: 23.90 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

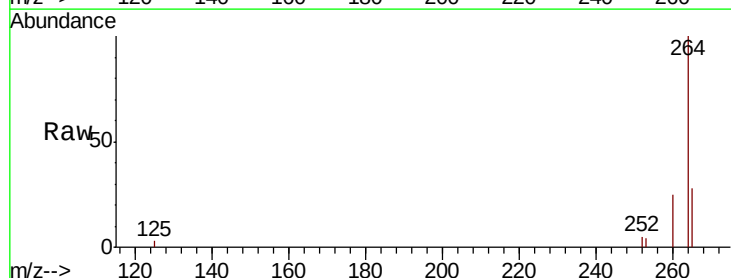
Tgt Ion:264 Resp: 8533

Ion Ratio Lower Upper

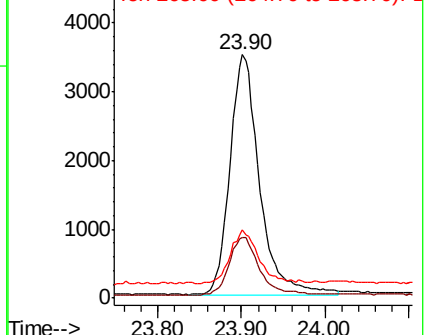
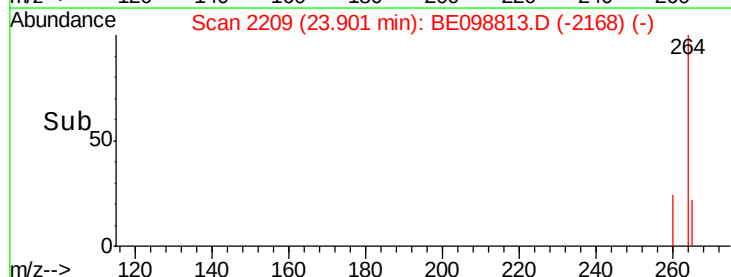
264 100

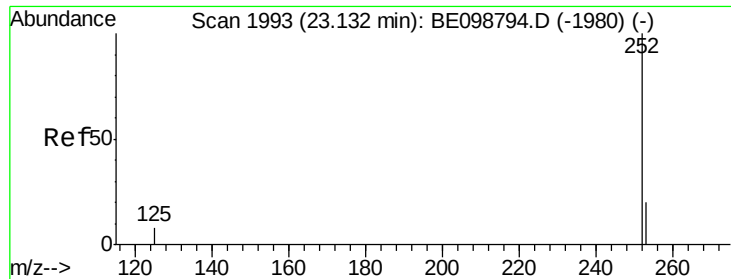
260 25.0 21.2 31.8

265 27.8 24.6 36.8



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: 0.403 ng

RT: 23.18 min Scan# 2008

Delta R.T. 0.05 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

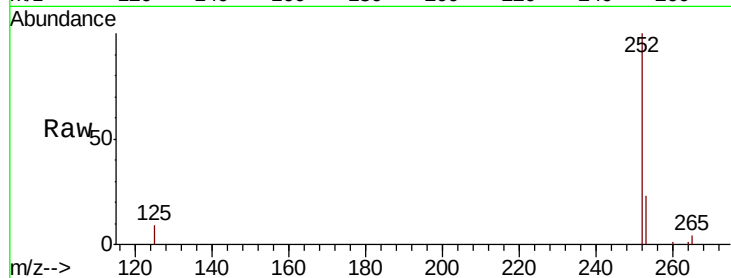
Tot Ion:252 Resp: 11321

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

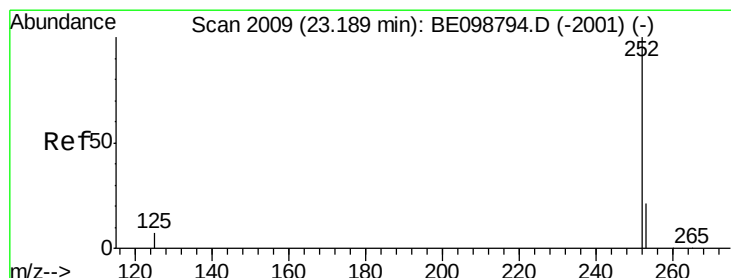
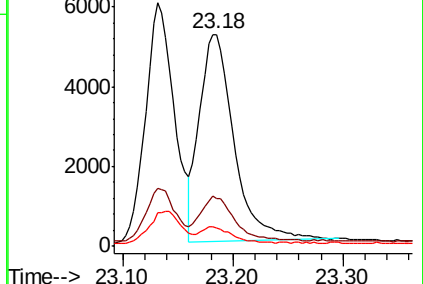
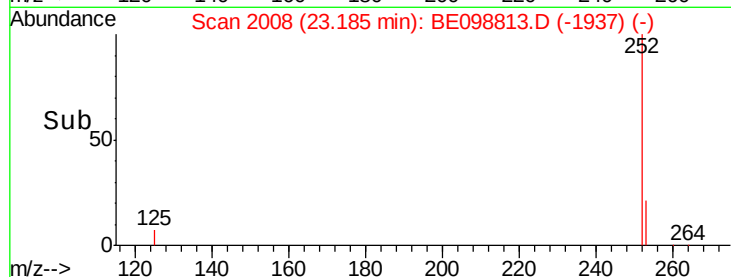
125 8.7 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.385 ng

RT: 23.18 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

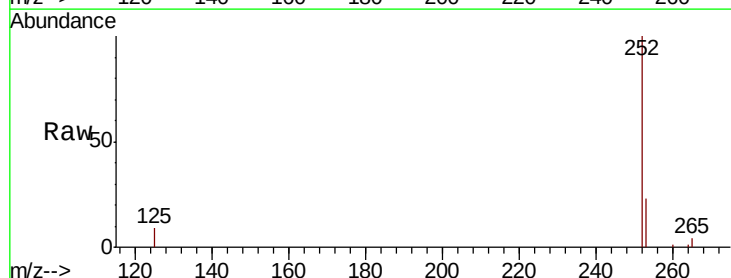
Tgt Ion:252 Resp: 11321

Ion Ratio Lower Upper

252 100

253 22.7 19.3 28.9

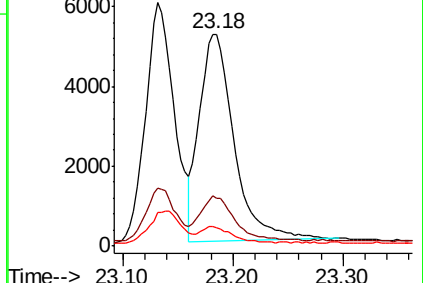
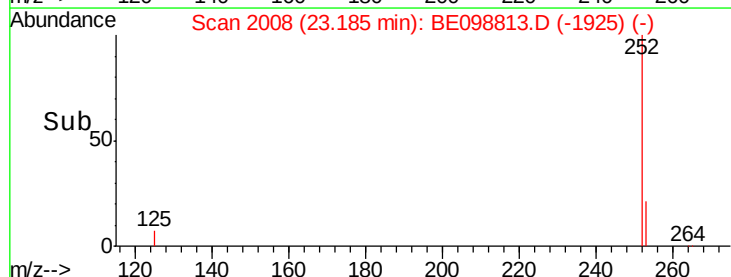
125 8.7 7.5 11.3

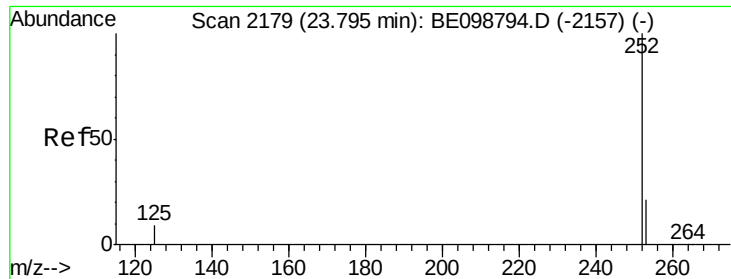


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

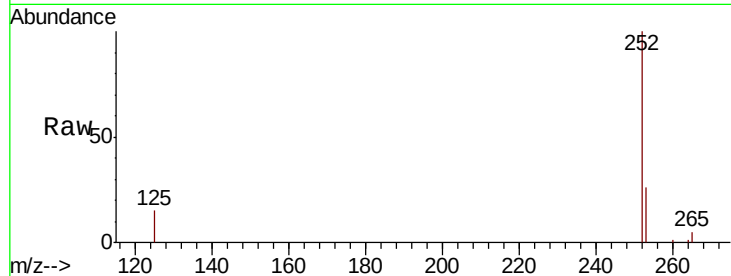
Tot Ion:252 Resp: 10514

Ion Ratio Lower Upper

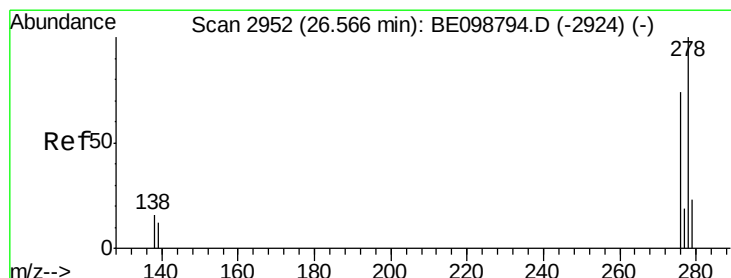
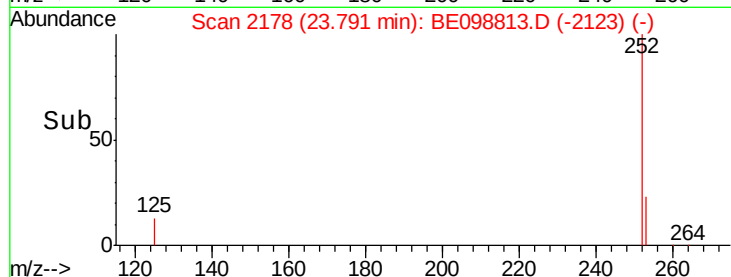
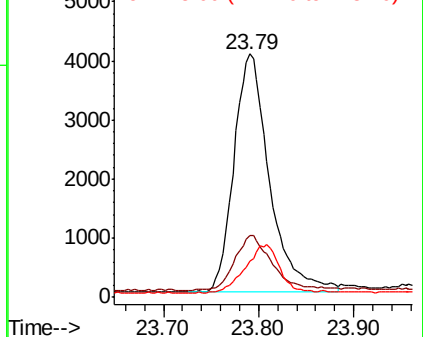
252 100

253 25.6 19.9 29.9

125 14.7 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: 0.395 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

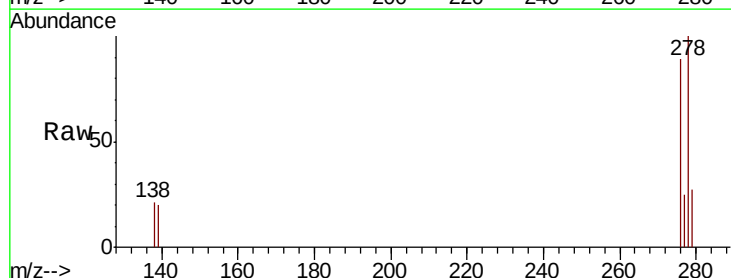
Tgt Ion:278 Resp: 10045

Ion Ratio Lower Upper

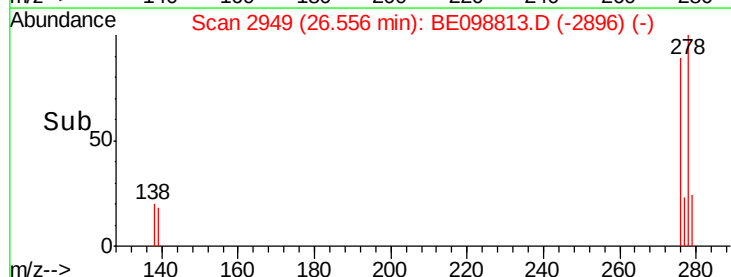
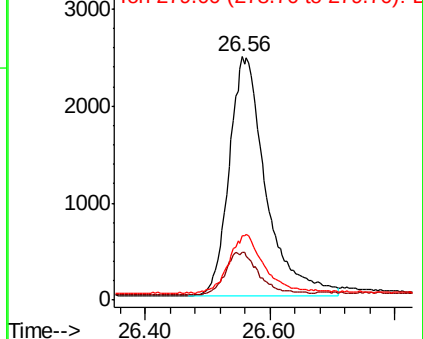
278 100

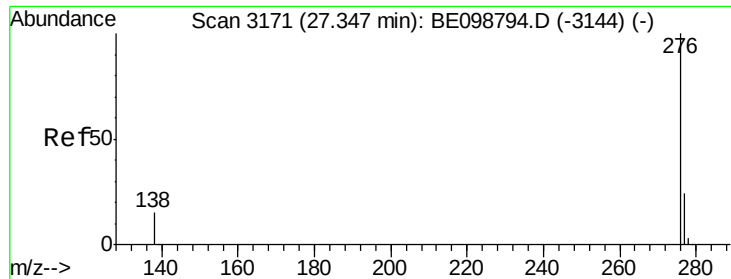
139 19.6 11.8 17.6#

279 26.5 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: 0.384 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE098813.D

Acq: 7 Mar 2019 10:45

Instrument :

BNA_E

ClientSampleId :

PB117620BS

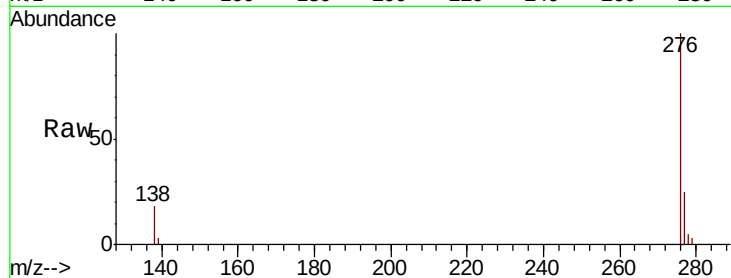
Tot Ion:276 Resp: 10210

Ion Ratio Lower Upper

276 100

277 25.2 20.4 30.6

138 17.5 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

