

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030719\
 Data File : BE098811.D
 Acq On : 7 Mar 2019 9:24
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Mar 07 12:50:10 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	934	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3882	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2561	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6669	0.40	ng	0.00
27) Chrysene-d12	21.40	240	9049	0.40	ng	0.00
34) Perylene-d12	23.90	264	9014	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1092	0.39	ng	0.00
5) Phenol-d6	6.99	99	1508	0.38	ng	0.00
8) Nitrobenzene-d5	8.96	82	1416	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2776	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	504	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4122	0.39	ng	0.00
25) Fluoranthene-d10	19.25	212	41858	0.39	ng	0.00
29) Terphenyl-d14	19.85	244	8544	0.39	ng	0.00

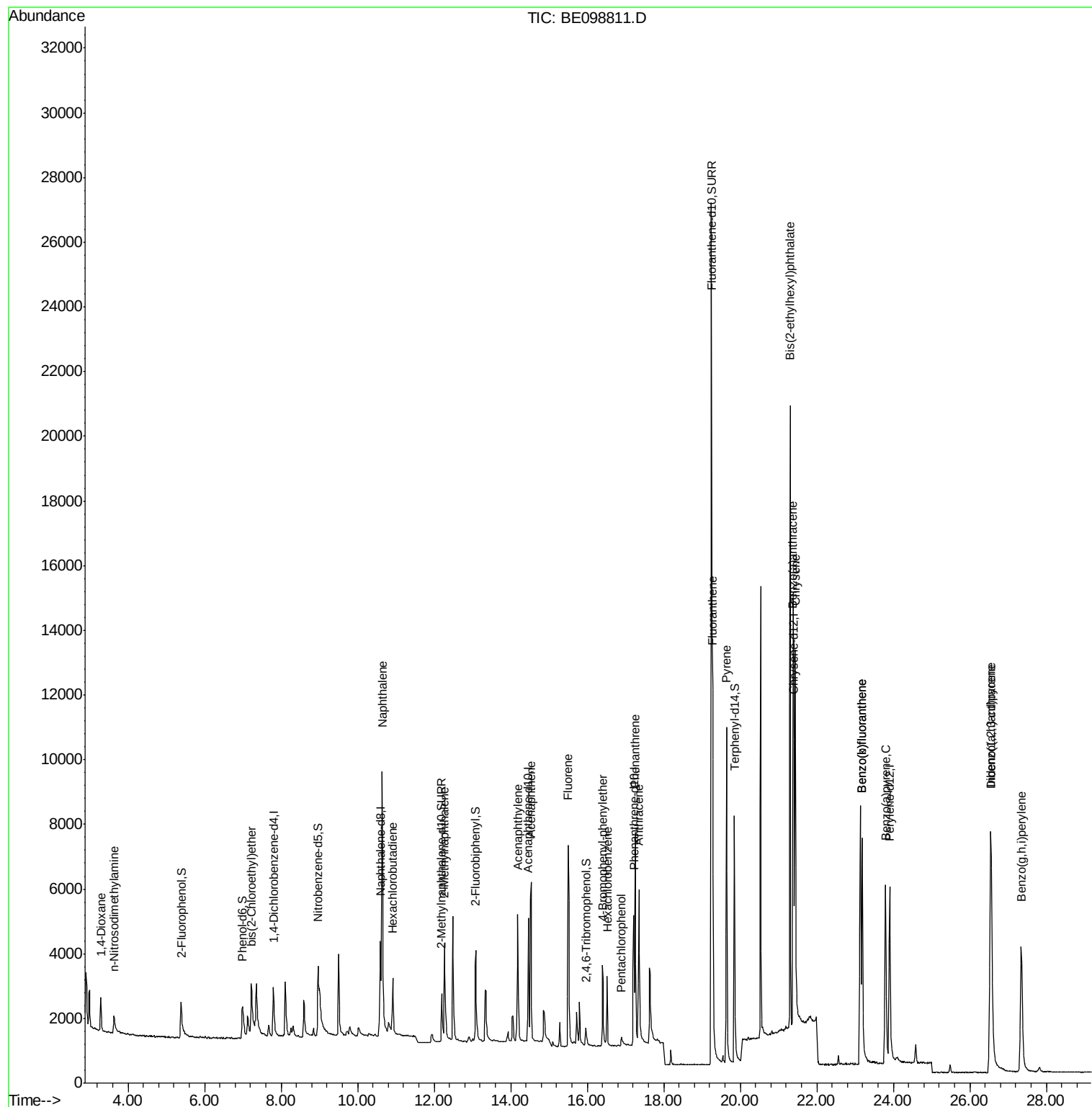
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	757	0.422	ng	93
3) n-Nitrosodimethylamine	3.62	42	780	0.332	ng	# 97
6) bis(2-Chloroethyl)ether	7.23	93	1061	0.349	ng	90
9) Naphthalene	10.64	128	17738	0.399	ng	99
10) Hexachlorobutadiene	10.91	225	1217	0.414	ng	95
12) 2-Methylnaphthalene	12.27	142	2744	0.381	ng	95
16) Acenaphthylene	14.18	152	5078	0.386	ng	98
17) Acenaphthene	14.53	154	3047	0.390	ng	99
18) Fluorene	15.50	166	4309	0.382	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	1375	0.380	ng	92
21) Hexachlorobenzene	16.52	284	1676	0.390	ng	98
22) Pentachlorophenol	16.89	266	295	0.466	ng	93
23) Phenanthrene	17.25	178	7432	0.392	ng	99
24) Anthracene	17.35	178	5866	0.362	ng	99
26) Fluoranthene	19.28	202	10439	0.390	ng	100
28) Pyrene	19.64	202	11053	0.399	ng	100
30) Benzo(a)anthracene	21.38	228	11347	0.402	ng	99
31) Chrysene	21.44	228	11893	0.394	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	21775	0.362	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	13141	0.412	ng	99
35) Benzo(b)fluoranthene	23.18	252	12260	0.414	ng	98
36) Benzo(k)fluoranthene	23.18	252	12457	0.401	ng	100
37) Benzo(a)pyrene	23.79	252	11081	0.390	ng	# 97
38) Dibenzo(a,h)anthracene	26.56	278	10493	0.390	ng	# 96
39) Benzo(g,h,i)perylene	27.34	276	10769	0.383	ng	100

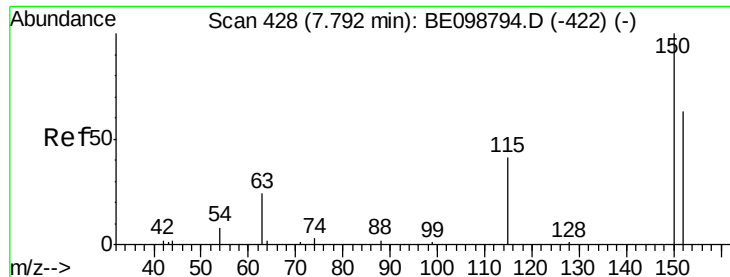
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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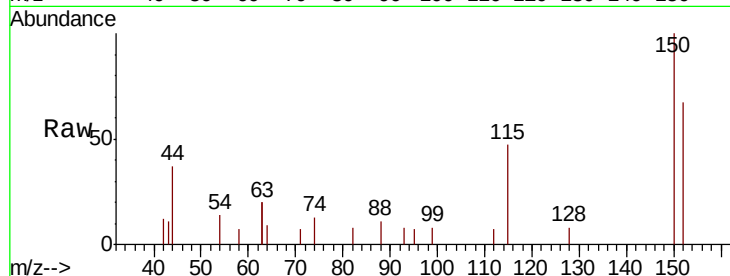


#1

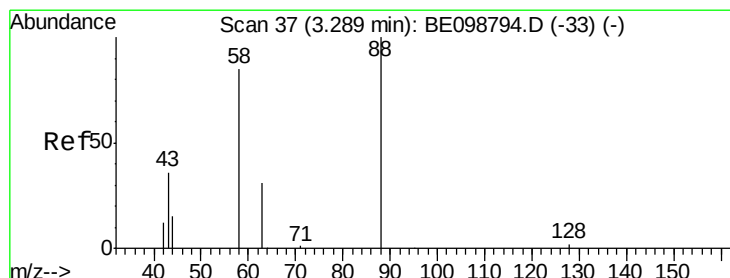
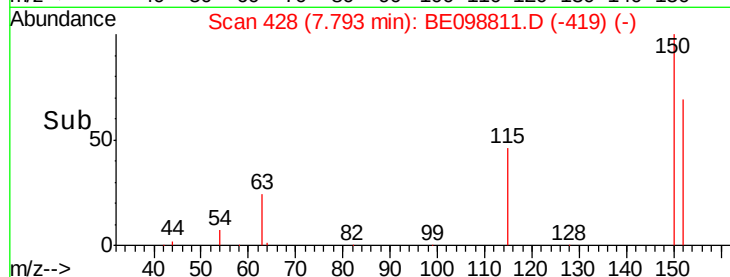
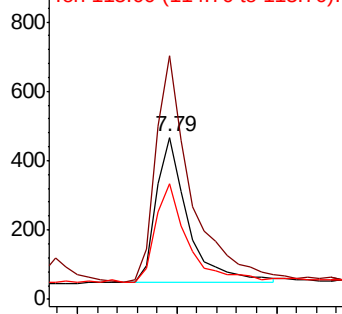
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 934
Ion Ratio Lower Upper
152 100
150 150.3 122.5 183.7
115 71.1 57.4 86.2



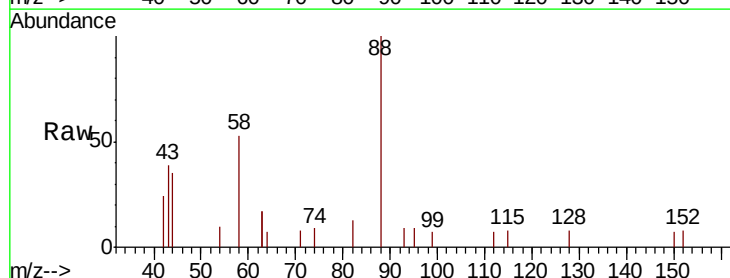
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



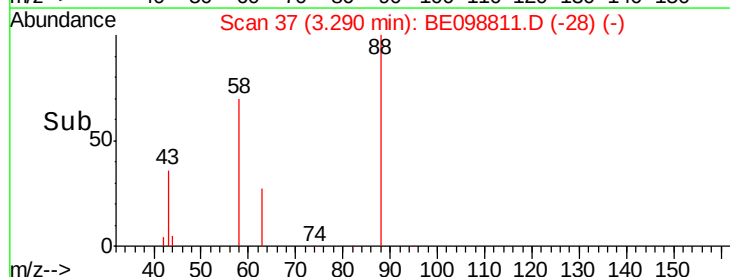
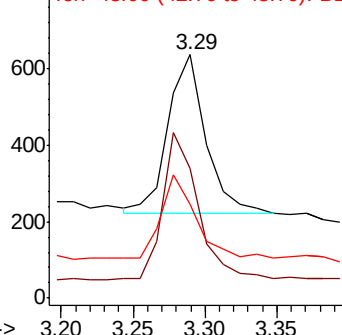
#2

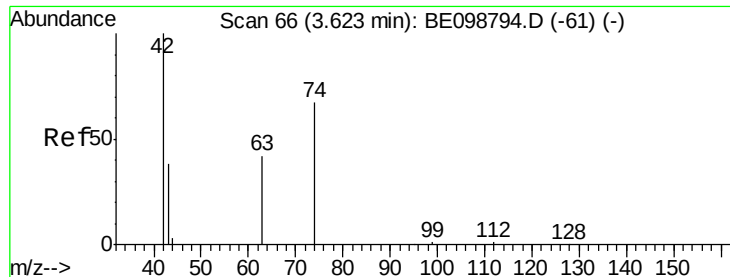
1,4-Dioxane
Concen: 0.422 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

Tgt Ion: 88 Resp: 757
Ion Ratio Lower Upper
88 100
58 86.8 75.8 113.6
43 48.1 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: 0.332 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

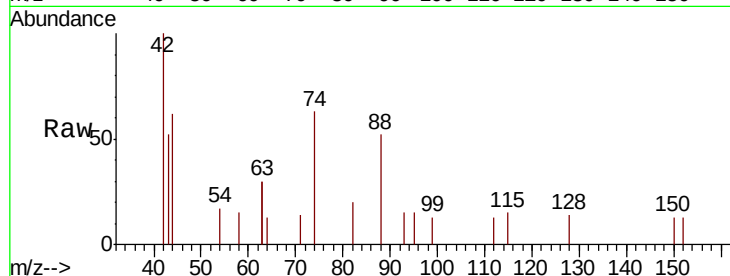
Tot Ion: 42 Resp: 780

Ion Ratio Lower Upper

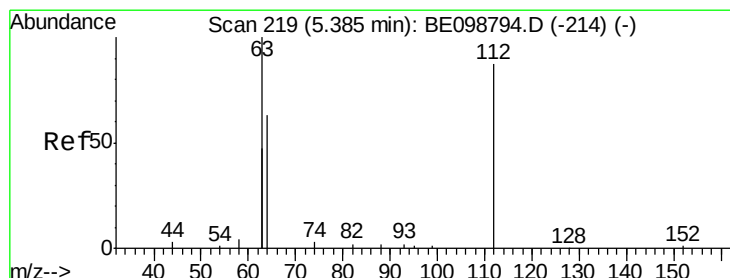
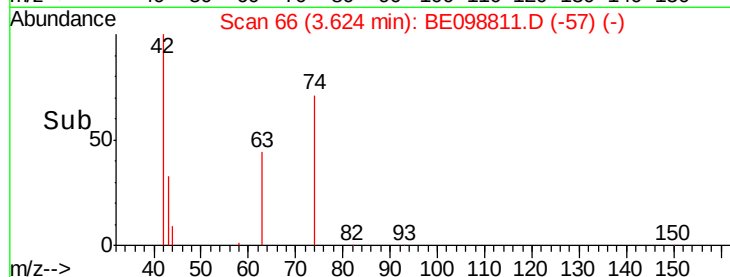
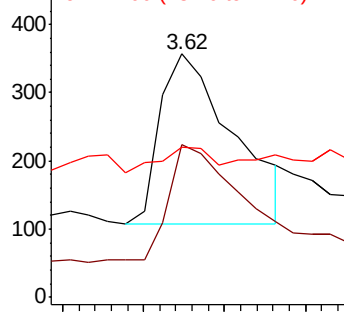
42 100

74 68.5 57.0 85.4

44 12.4 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.391 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

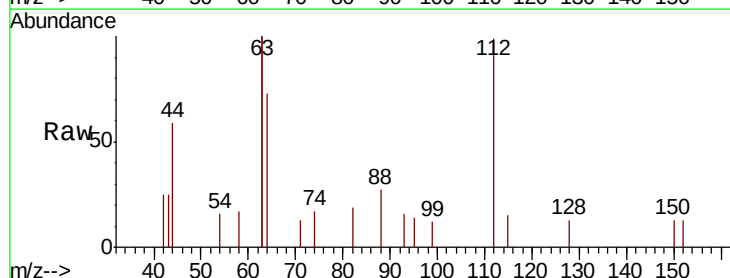
Tgt Ion: 112 Resp: 1092

Ion Ratio Lower Upper

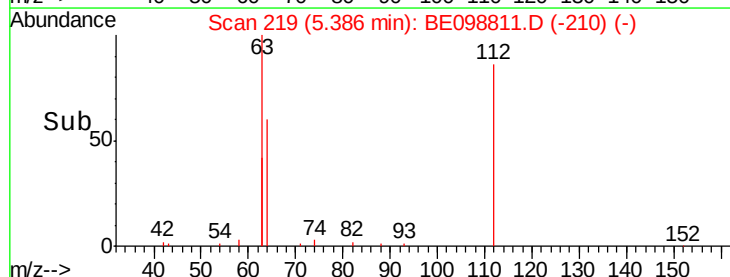
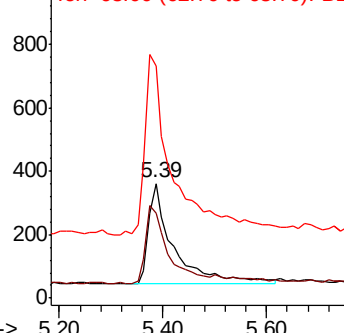
112 100

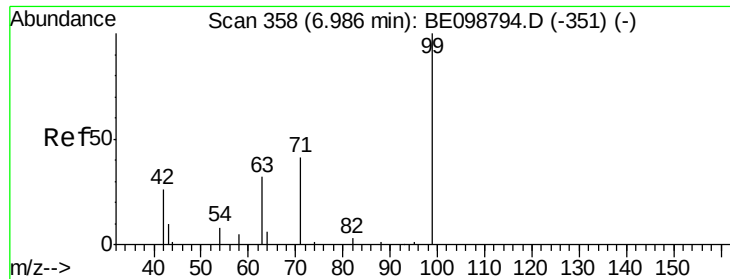
64 81.6 57.9 86.9

63 206.4 158.3 237.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.382 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

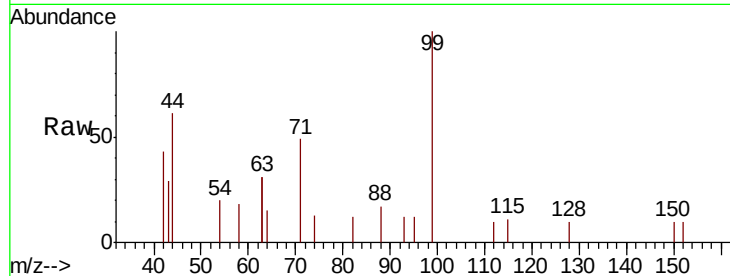
Tot Ion: 99 Resp: 1508

Ion Ratio Lower Upper

99 100

42 34.0 24.2 36.2

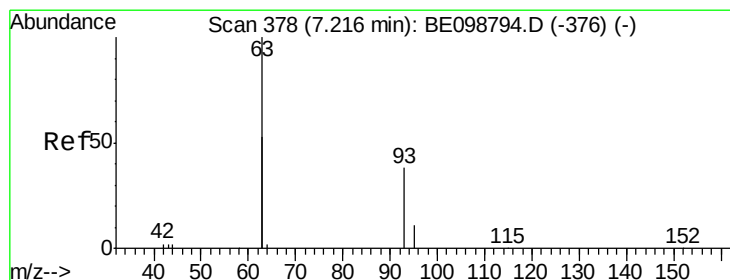
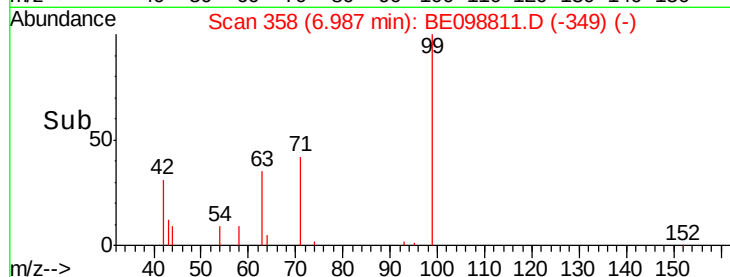
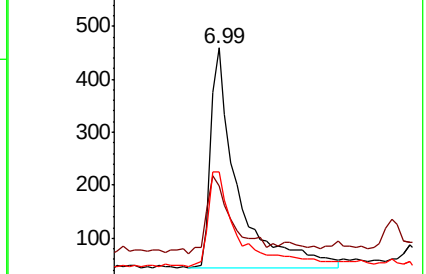
71 46.4 35.7 53.5



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: 0.349 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

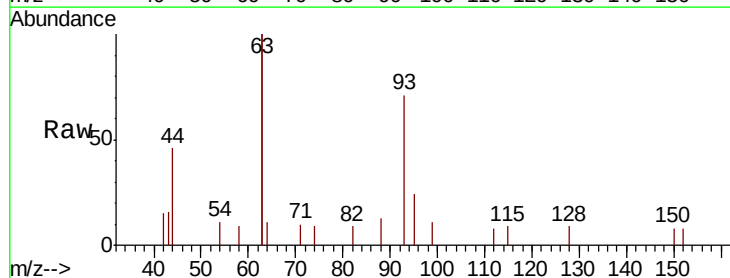
Tgt Ion: 93 Resp: 1061

Ion Ratio Lower Upper

93 100

63 329.2 247.5 371.3

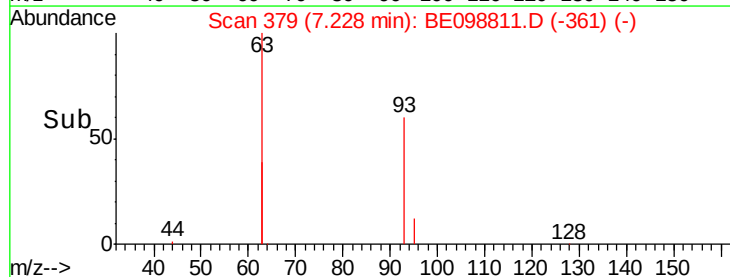
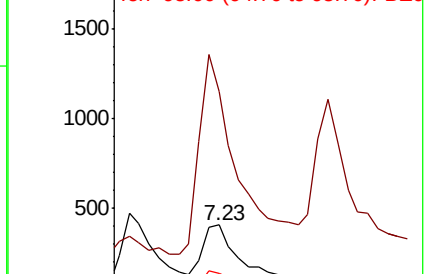
95 31.0 21.8 32.8

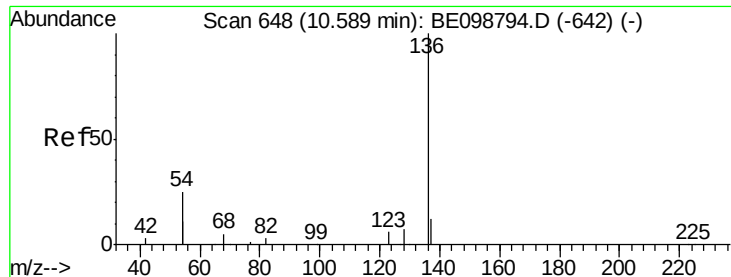


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 3882

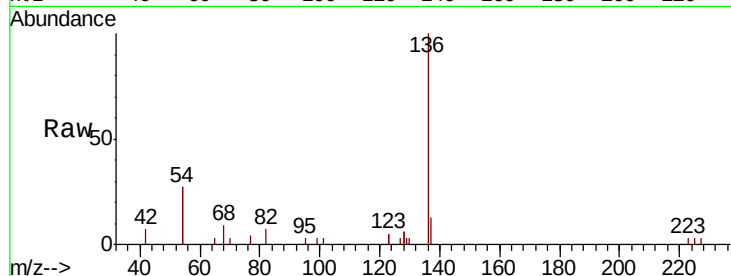
Ion Ratio Lower Upper

136 100

137 13.3 11.4 17.0

54 54.6 39.3 58.9

68 8.6 6.7 10.1

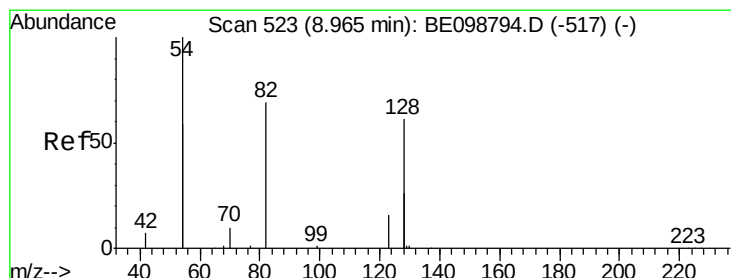
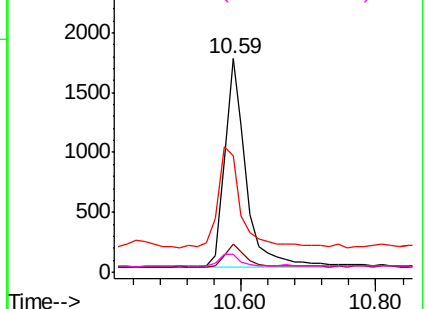
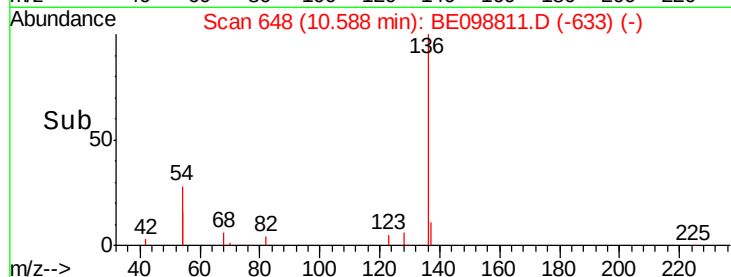


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

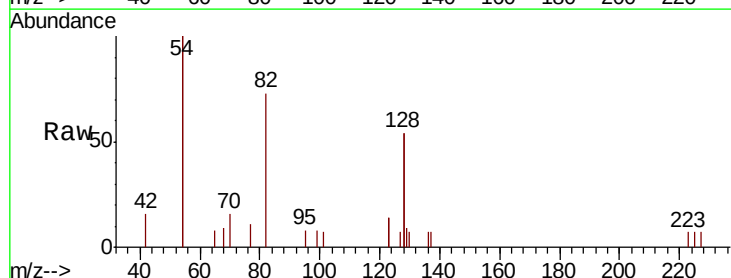
Tgt Ion: 82 Resp: 1416

Ion Ratio Lower Upper

82 100

128 149.1 123.8 185.8

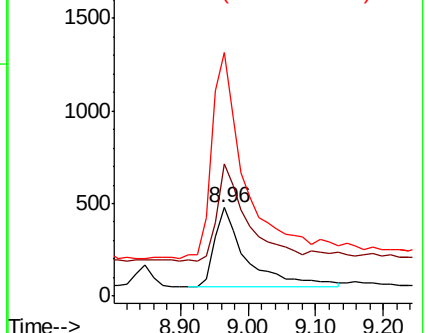
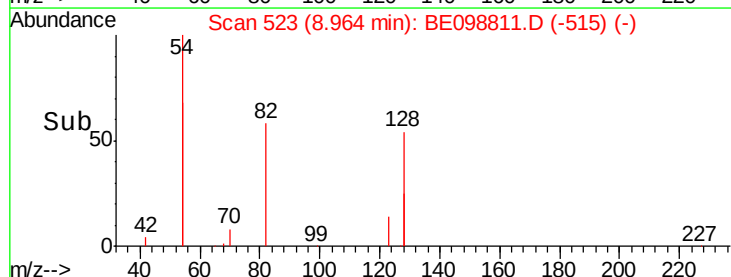
54 274.3 203.4 305.2

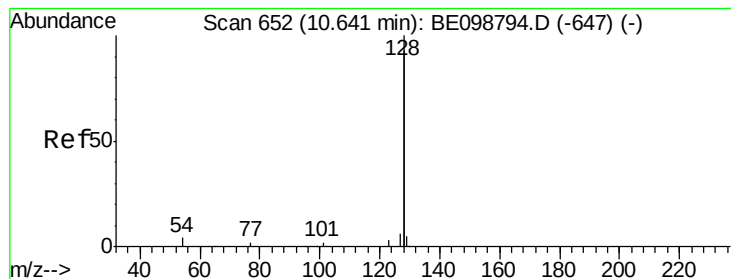


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

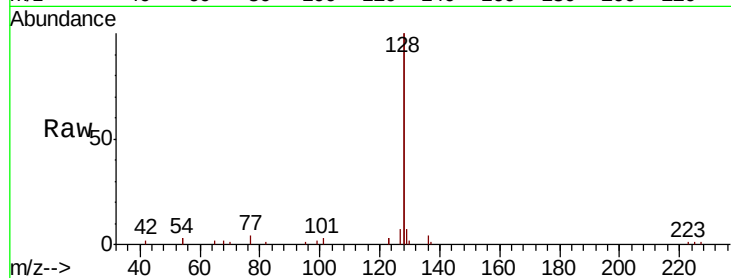
Tot Ion:128 Resp: 17738

Ion Ratio Lower Upper

128 100

129 3.3 2.6 4.0

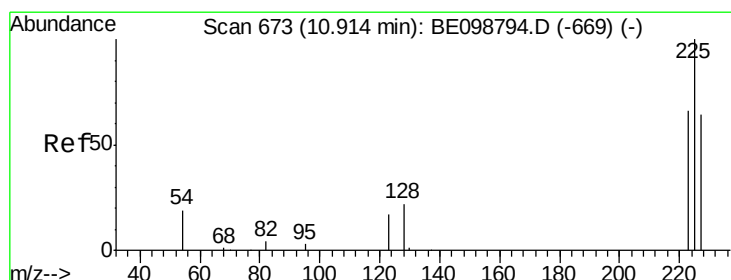
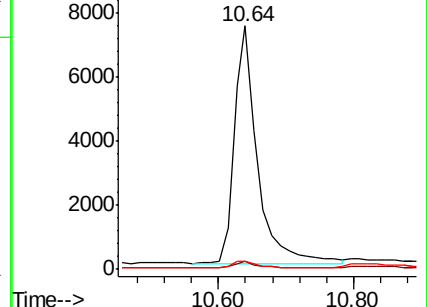
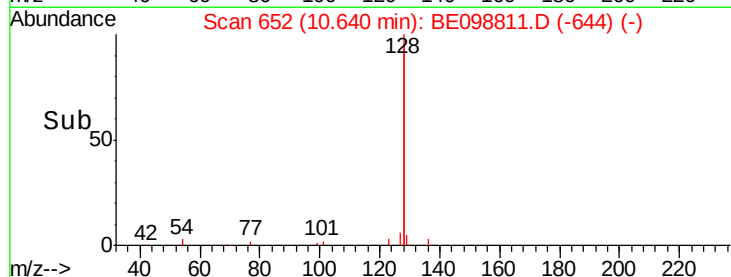
127 3.5 3.1 4.7



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: 0.414 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

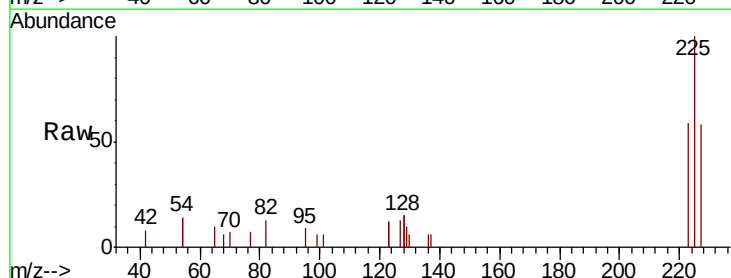
Tgt Ion:225 Resp: 1217

Ion Ratio Lower Upper

225 100

223 57.7 51.1 76.7

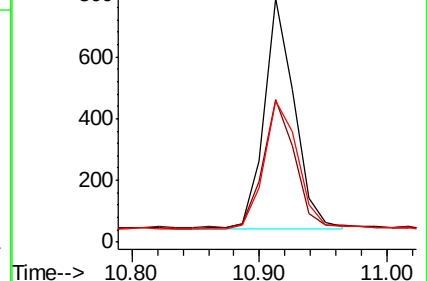
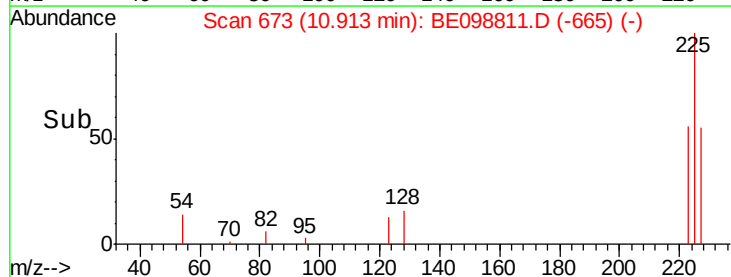
227 62.3 51.6 77.4

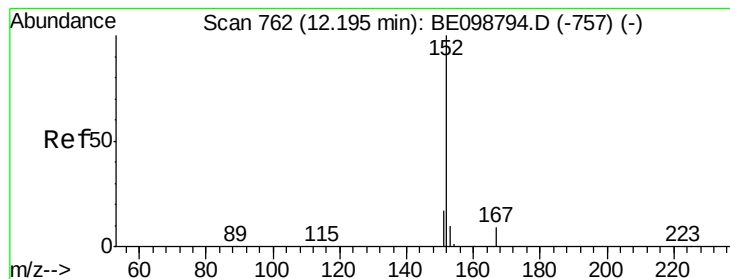


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.387 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

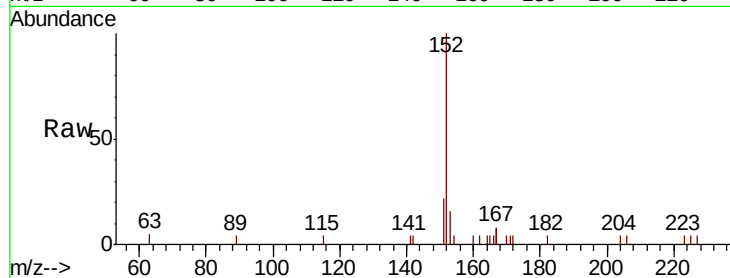
SSTDCCC0.4

Tot Ion:152 Resp: 2776

Ion Ratio Lower Upper

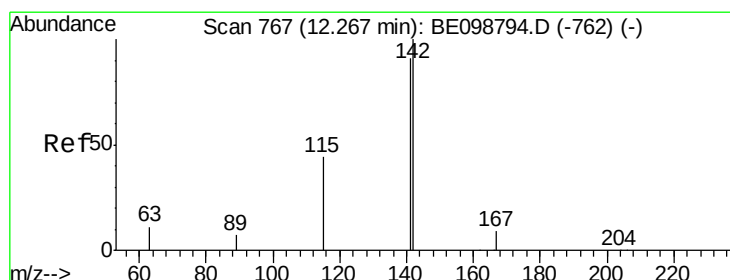
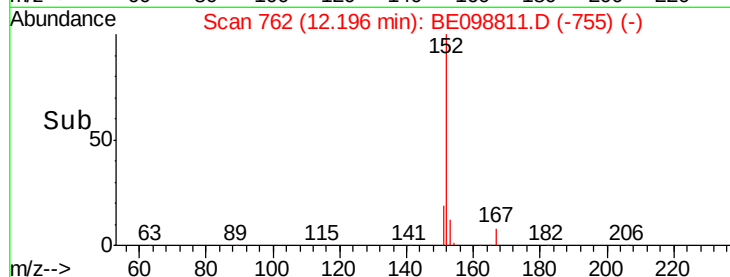
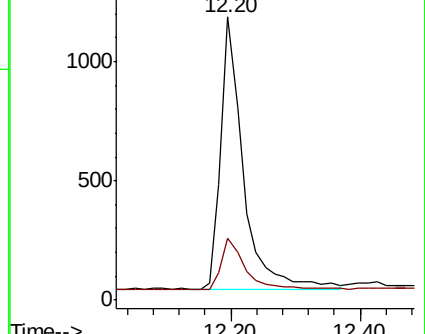
152 100

151 19.4 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: 0.381 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

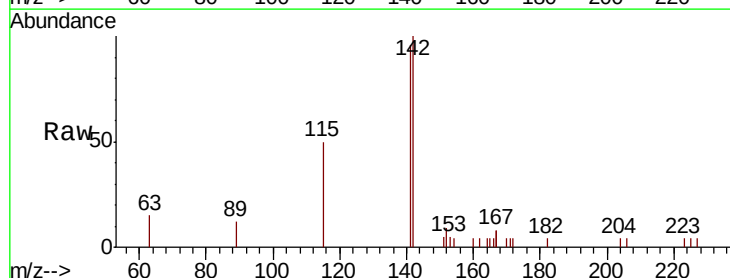
Tgt Ion:142 Resp: 2744

Ion Ratio Lower Upper

142 100

141 95.8 72.6 108.8

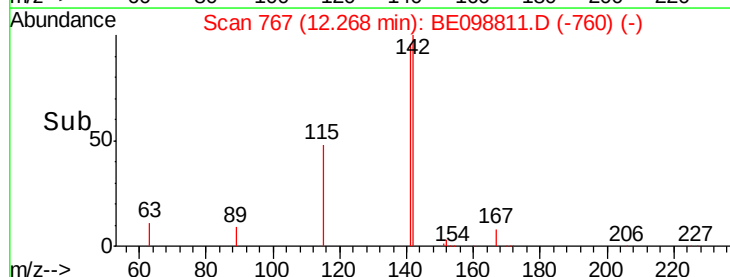
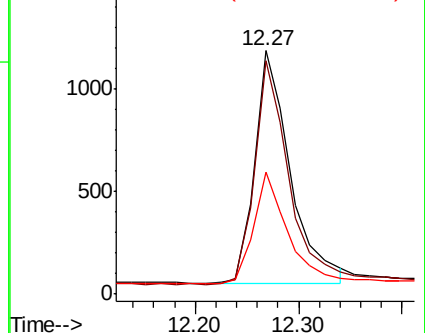
115 50.2 37.4 56.2

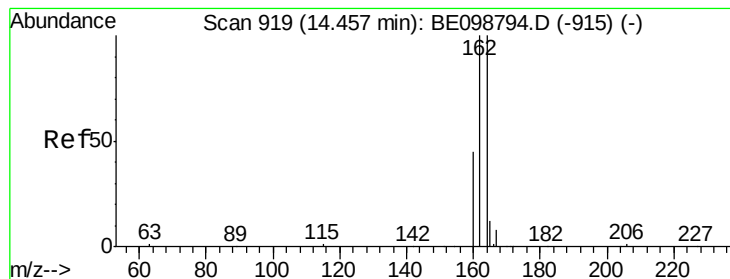


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

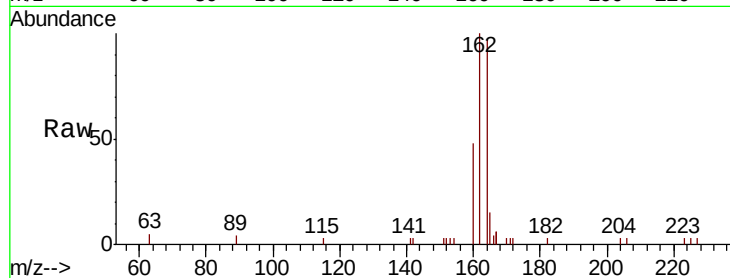
Tot Ion:164 Resp: 2561

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.2

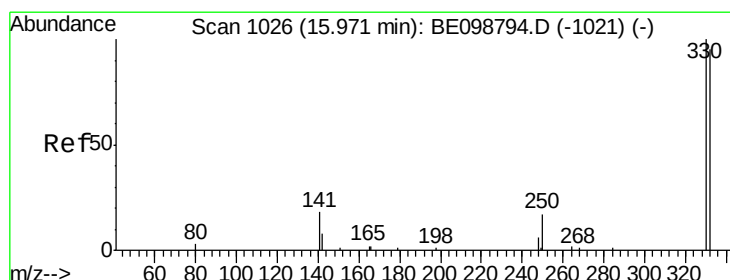
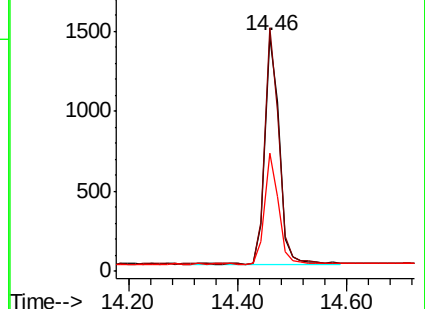
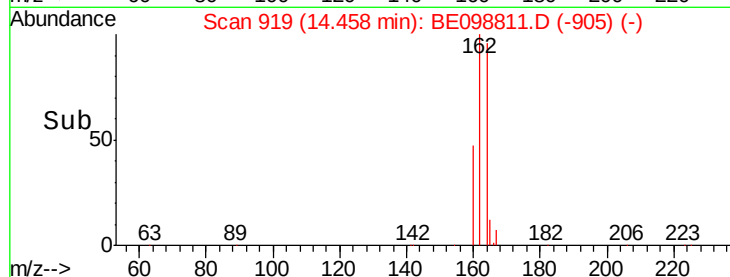
160 50.1 37.8 56.8



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: 0.390 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

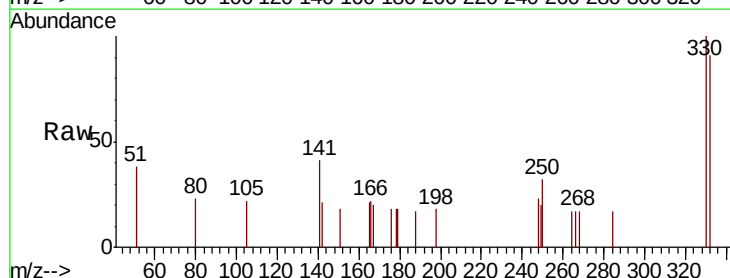
Tgt Ion:330 Resp: 504

Ion Ratio Lower Upper

330 100

332 88.5 77.6 116.4

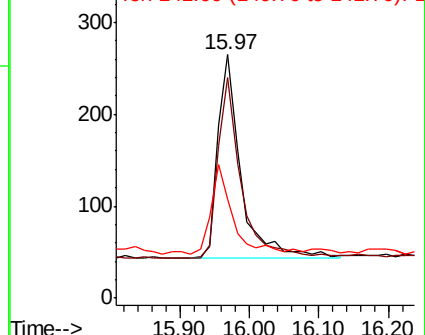
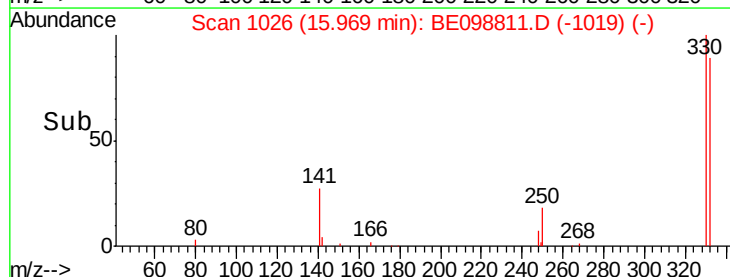
141 41.7 31.0 46.4

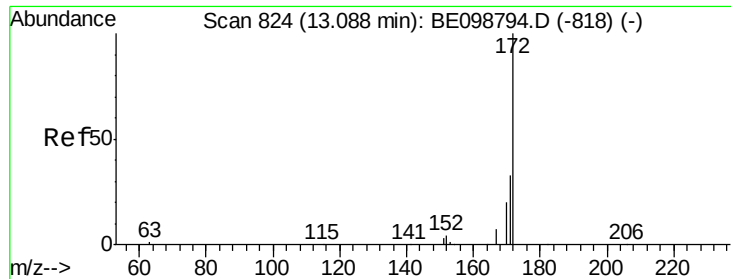


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

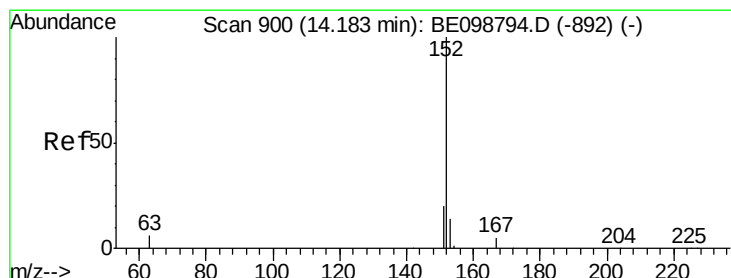
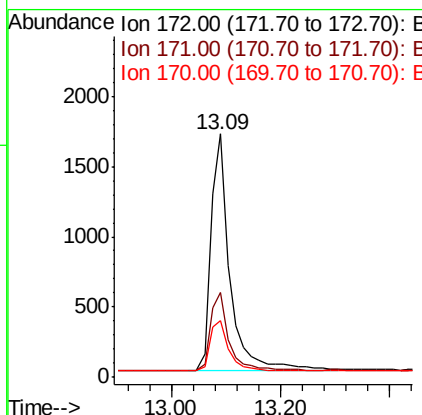
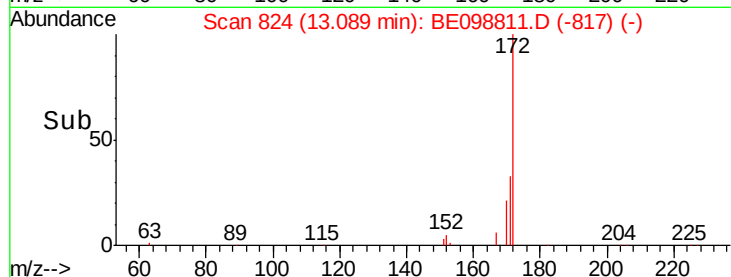
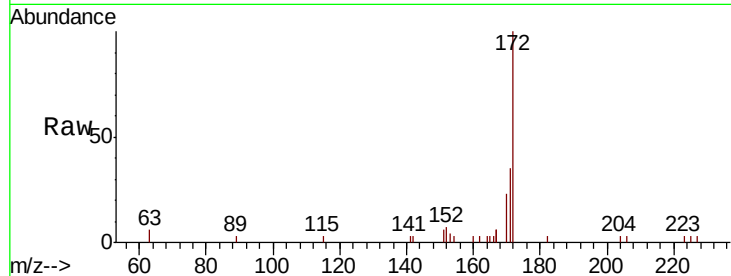




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

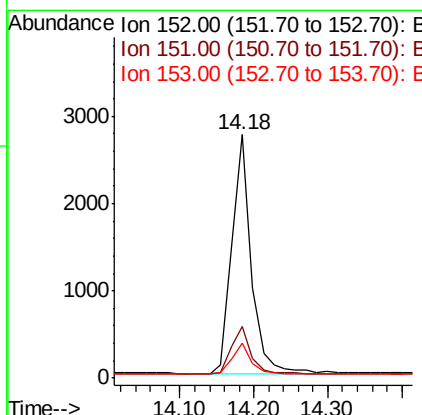
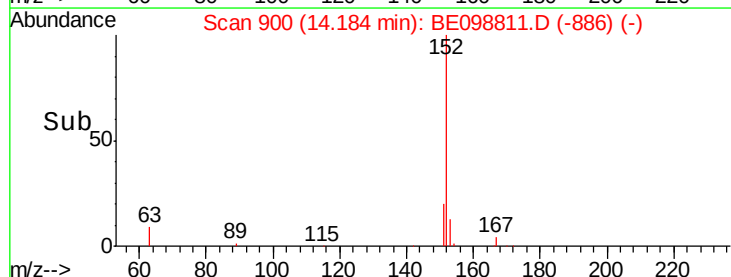
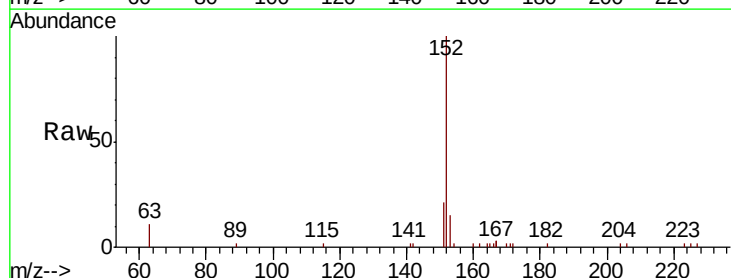
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

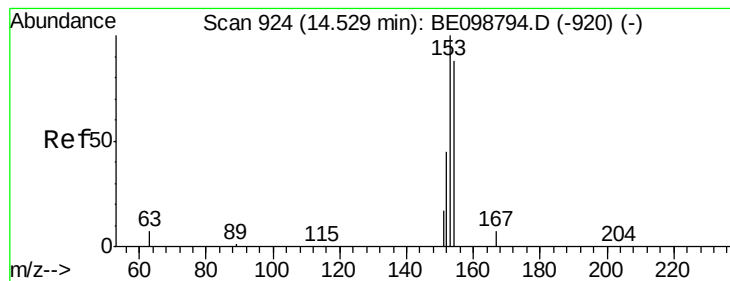
Tot Ion:172 Resp: 4122
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.5 17.7 26.5



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

Tgt Ion:152 Resp: 5078
Ion Ratio Lower Upper
152 100
151 20.3 17.0 25.6
153 12.9 11.2 16.8





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

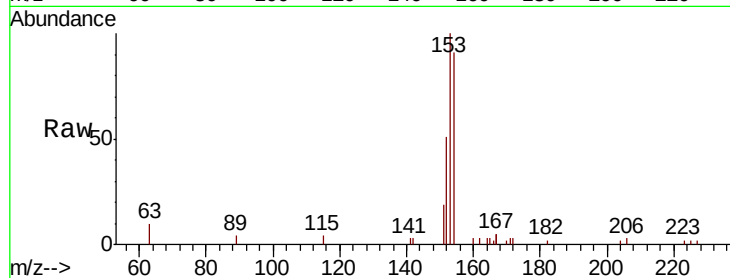
Tot Ion:154 Resp: 3047

Ion Ratio Lower Upper

154 100

153 117.1 94.2 141.4

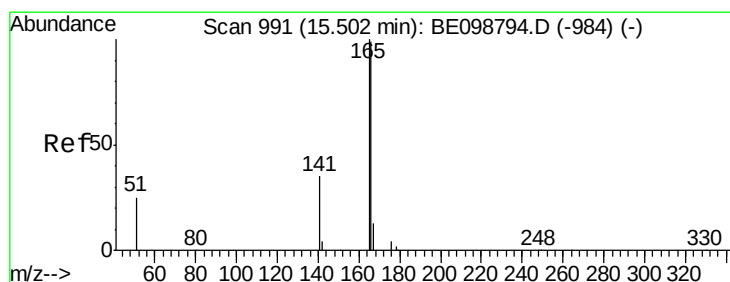
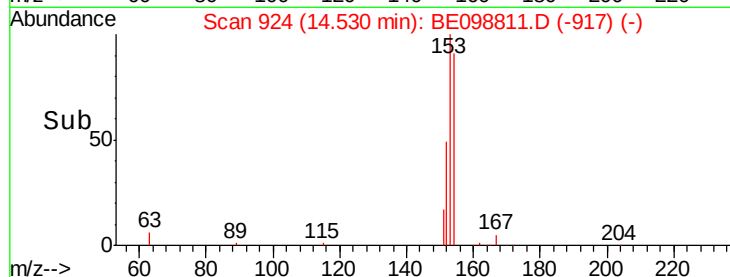
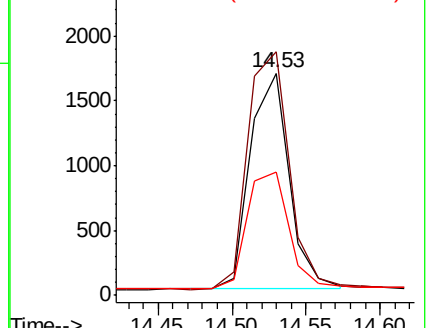
152 57.8 45.0 67.4



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: 0.382 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

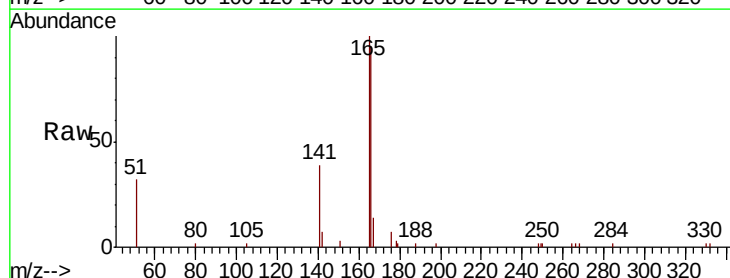
Tgt Ion:166 Resp: 4309

Ion Ratio Lower Upper

166 100

165 99.6 79.3 118.9

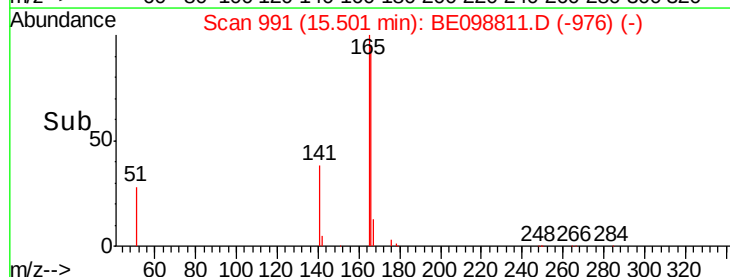
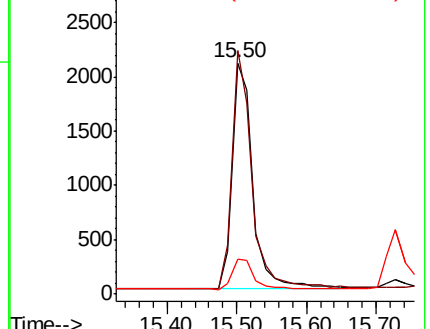
167 13.9 10.5 15.7

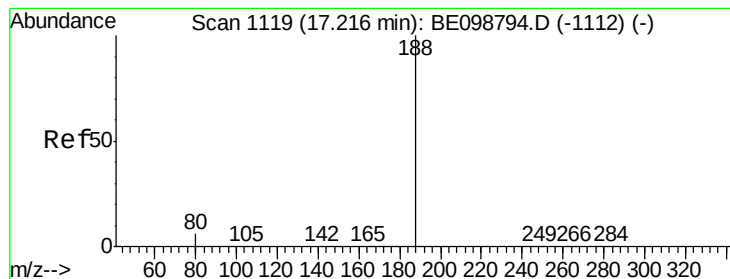


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

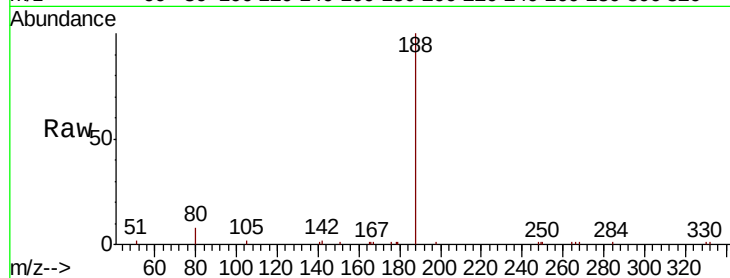
Tot Ion:188 Resp: 6669

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

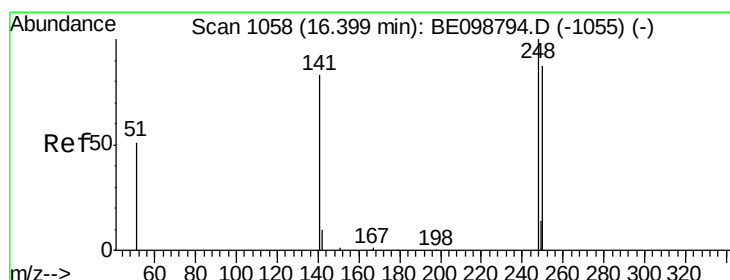
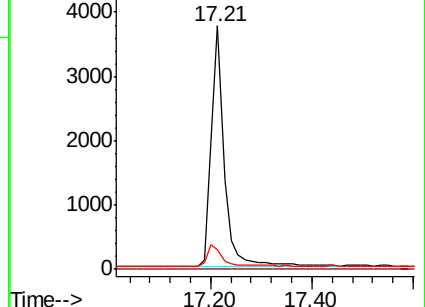
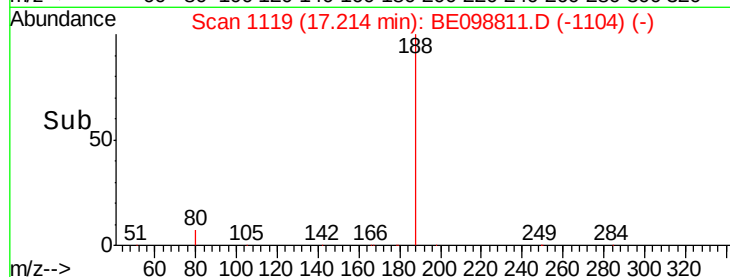
80 8.2 6.3 9.5



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: 0.380 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

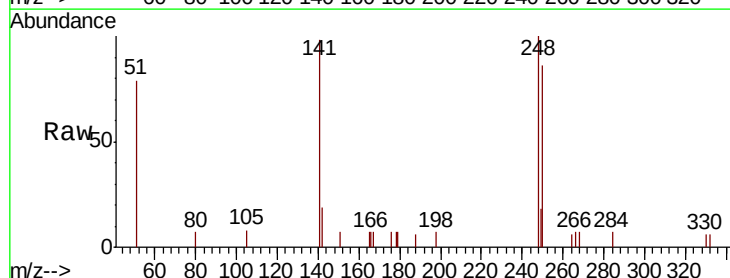
Tgt Ion:248 Resp: 1375

Ion Ratio Lower Upper

248 100

250 86.1 70.6 105.8

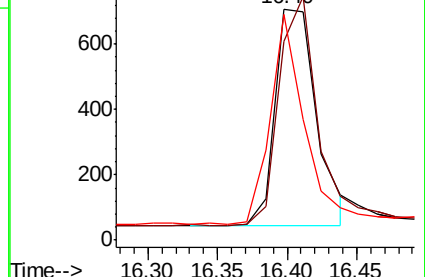
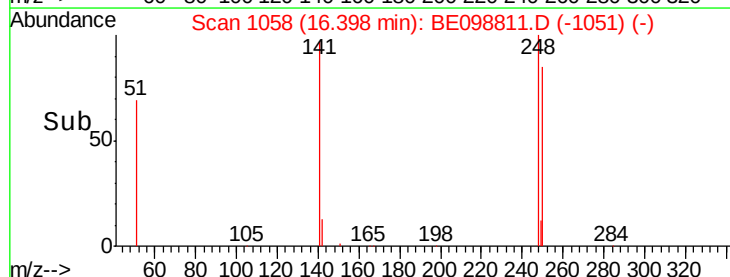
141 97.7 68.6 102.8

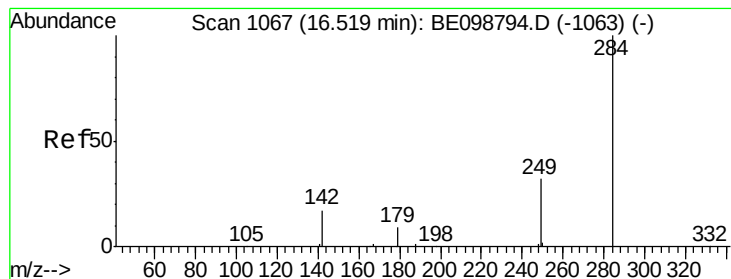


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.390 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

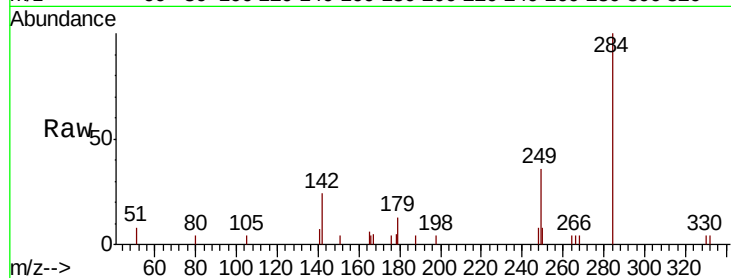
Tot Ion:284 Resp: 1676

Ion Ratio Lower Upper

284 100

142 36.1 28.7 43.1

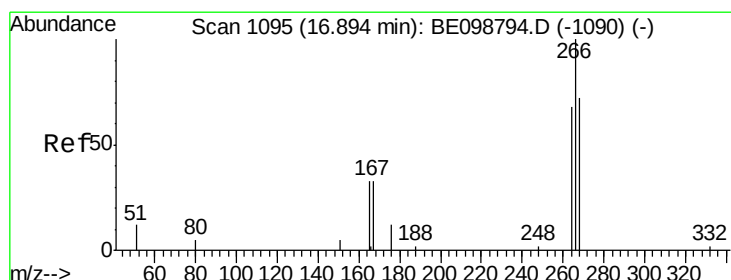
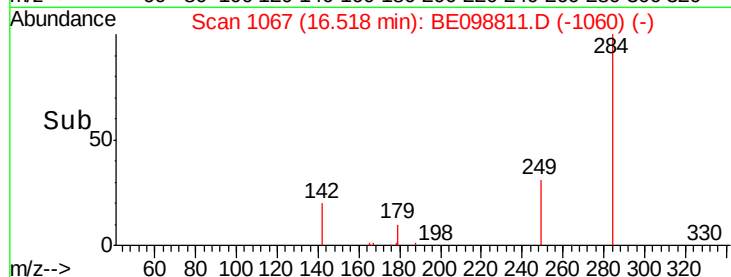
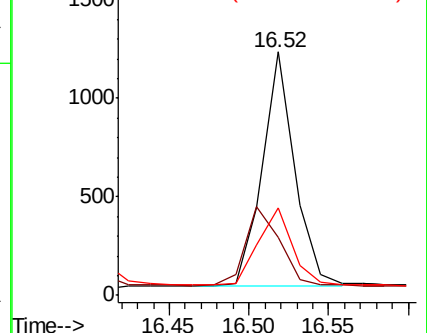
249 35.0 29.6 44.4



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: 0.466 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

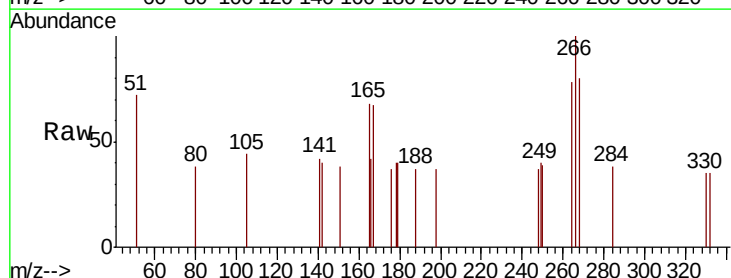
Tgt Ion:266 Resp: 295

Ion Ratio Lower Upper

266 100

264 77.8 66.6 100.0

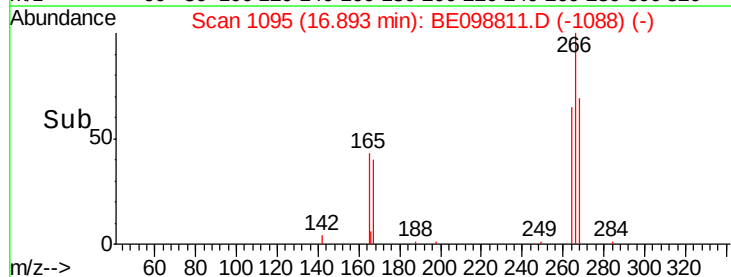
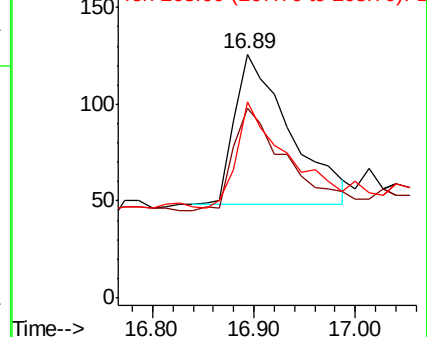
268 80.2 69.8 104.8

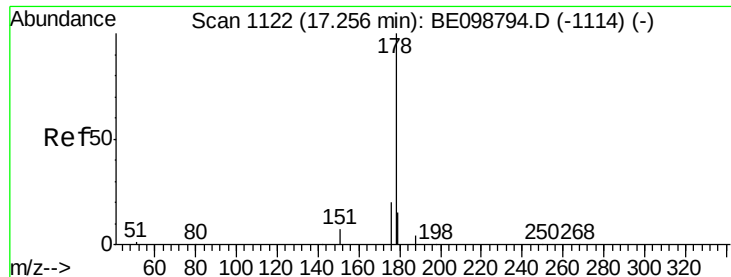


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.392 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

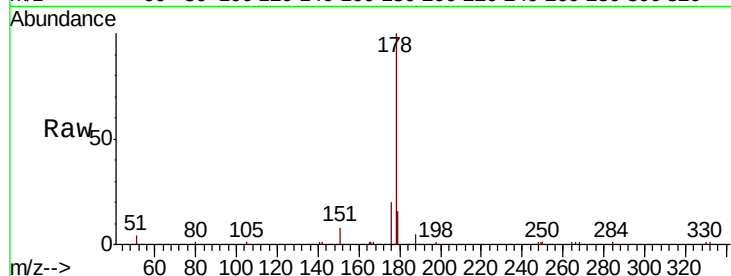
Tot Ion:178 Resp: 7432

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

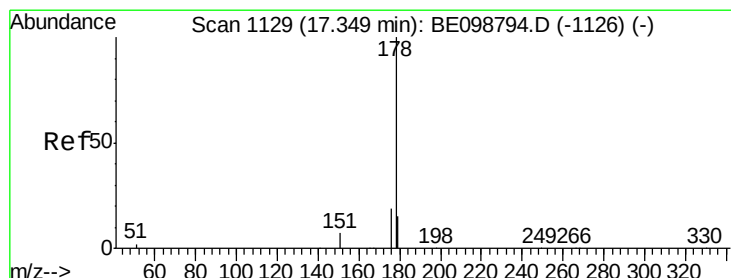
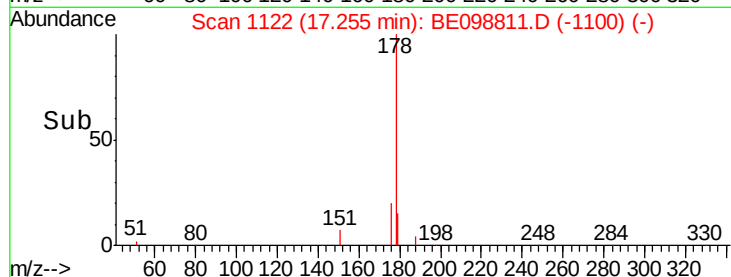
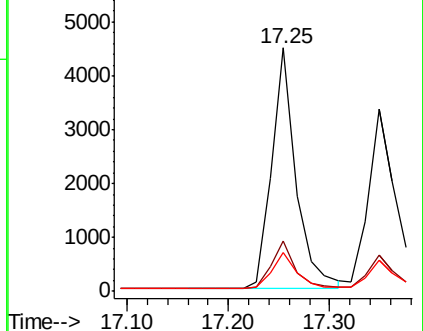
179 15.3 12.1 18.1



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: 0.362 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

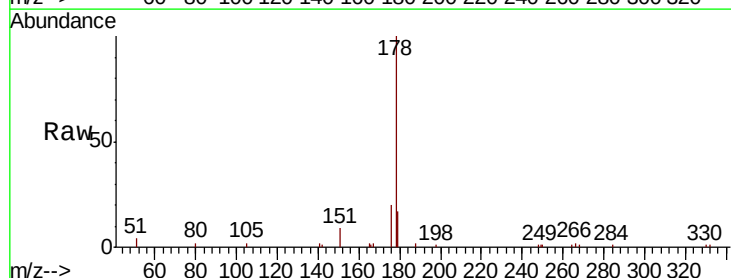
Tgt Ion:178 Resp: 5866

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

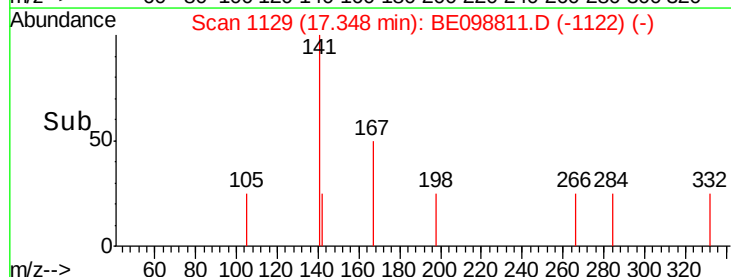
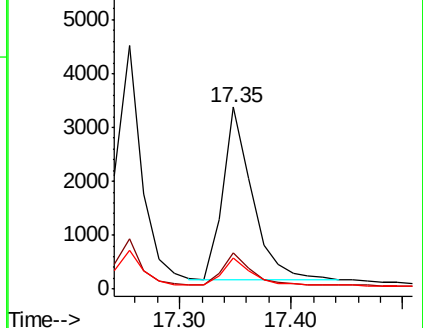
179 16.0 12.2 18.4

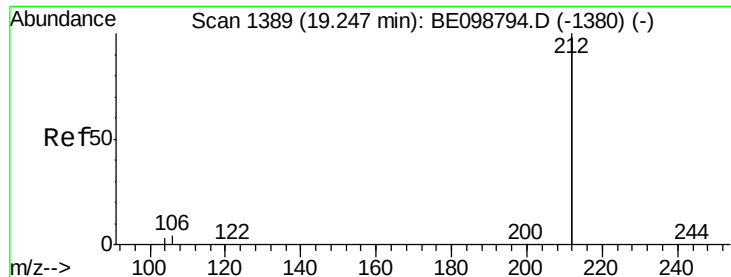


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

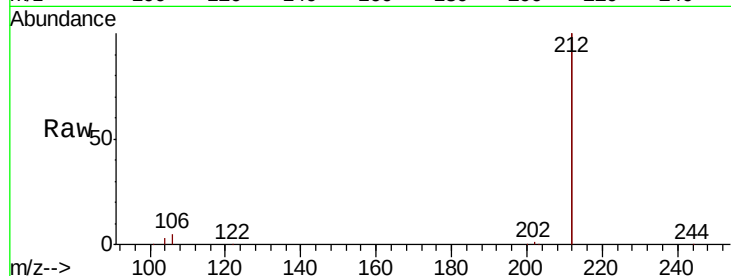
Tot Ion:212 Resp: 41858

Ion Ratio Lower Upper

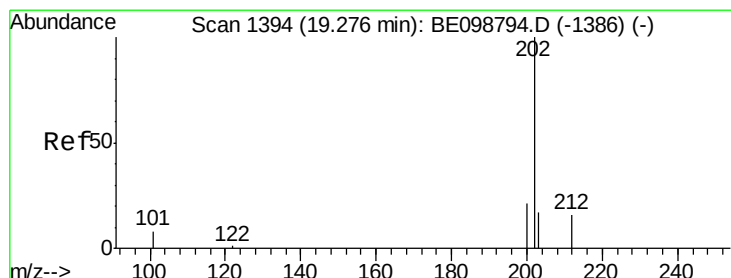
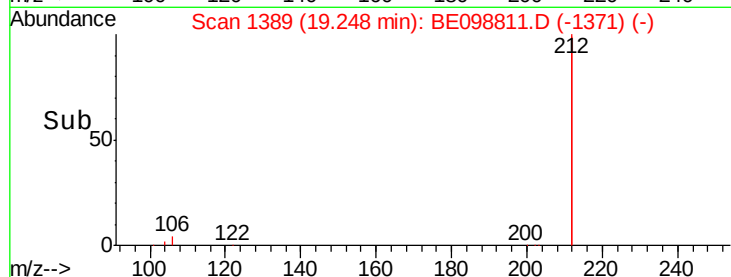
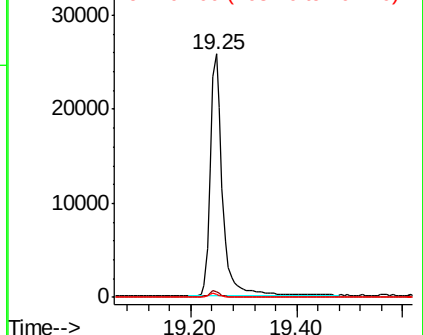
212 100

106 2.3 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: 0.390 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

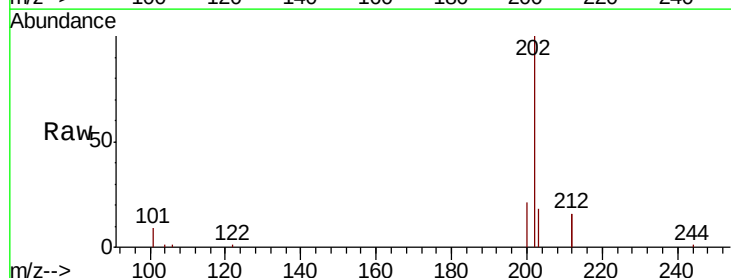
Tgt Ion:202 Resp: 10439

Ion Ratio Lower Upper

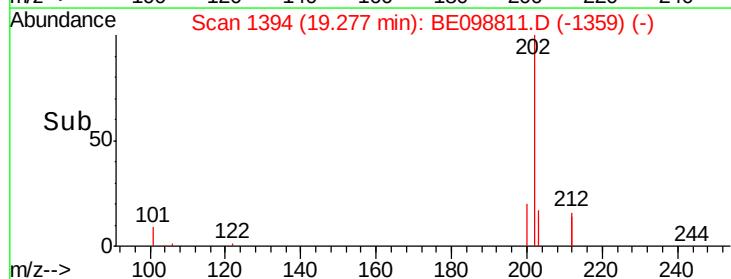
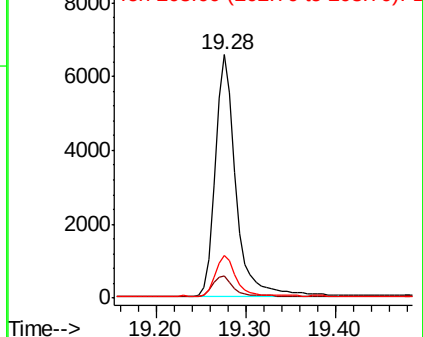
202 100

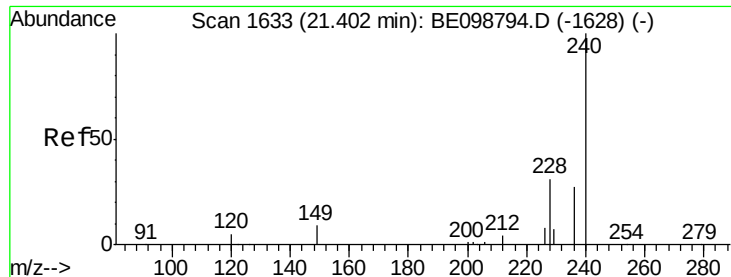
101 8.9 7.3 10.9

203 16.8 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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

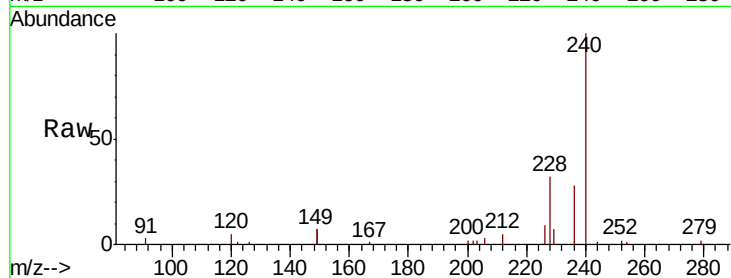
Tot Ion:240 Resp: 9049

Ion Ratio Lower Upper

240 100

120 5.2 5.0 7.4

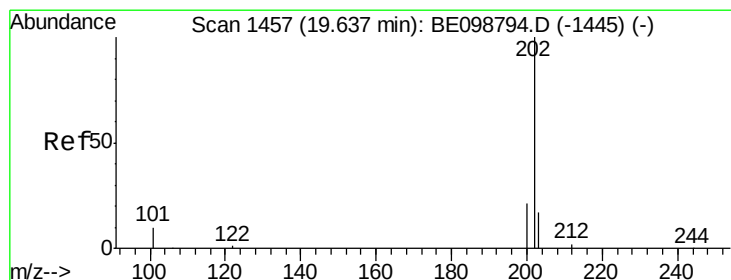
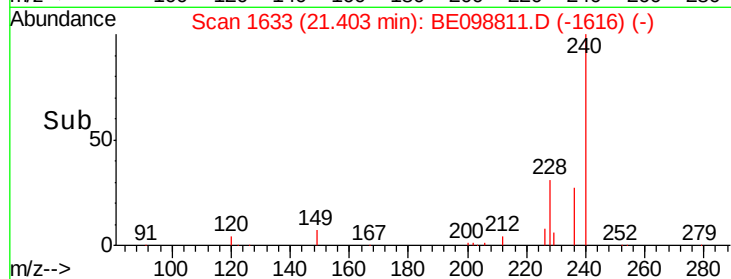
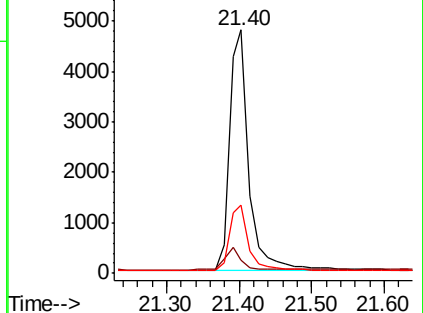
236 28.0 22.7 34.1



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: 0.399 ng

RT: 19.64 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

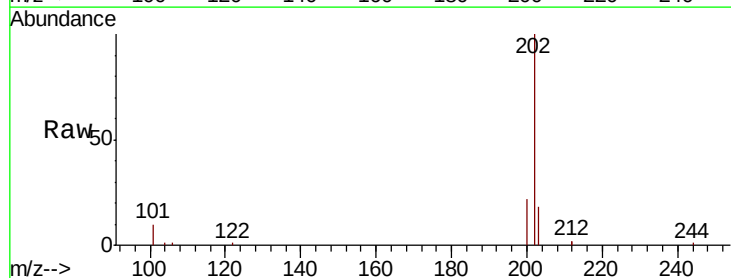
Tgt Ion:202 Resp: 11053

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

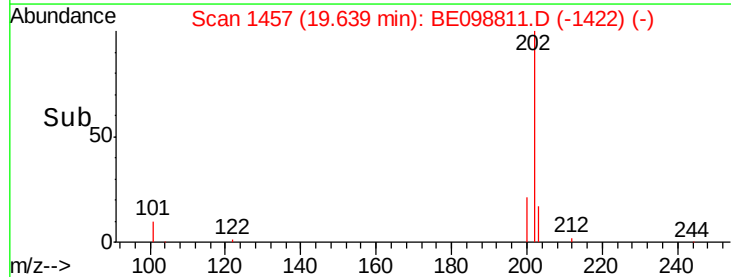
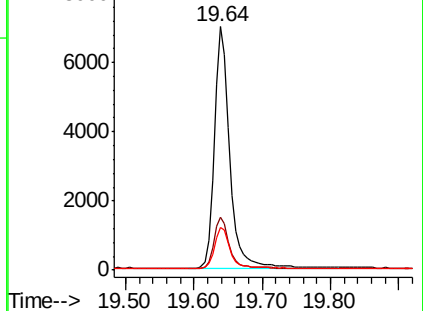
203 17.4 14.2 21.2

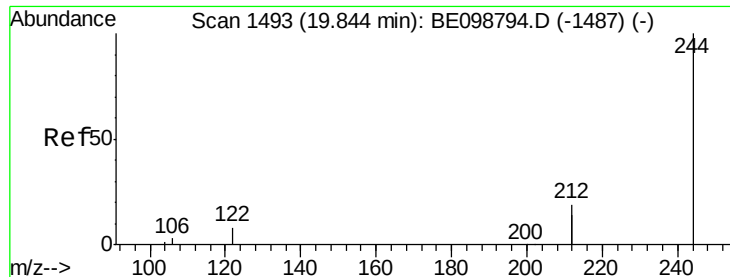


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.85 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

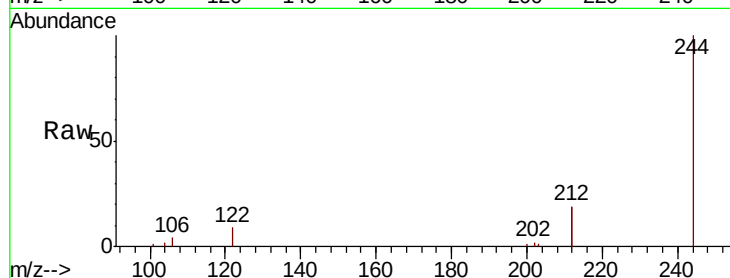
Tot Ion:244 Resp: 8544

Ion Ratio Lower Upper

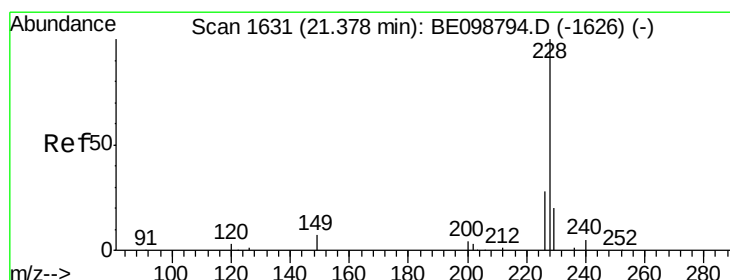
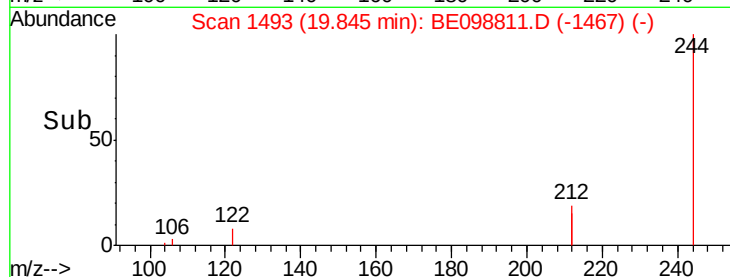
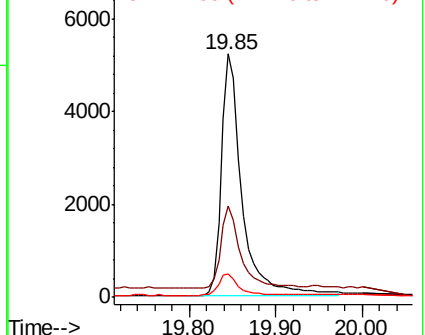
244 100

212 37.5 29.4 44.2

122 9.4 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: 0.402 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

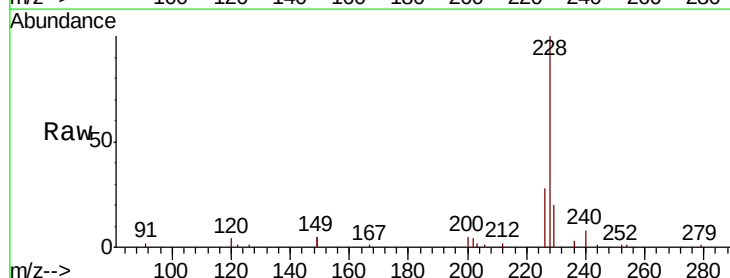
Tgt Ion:228 Resp: 11347

Ion Ratio Lower Upper

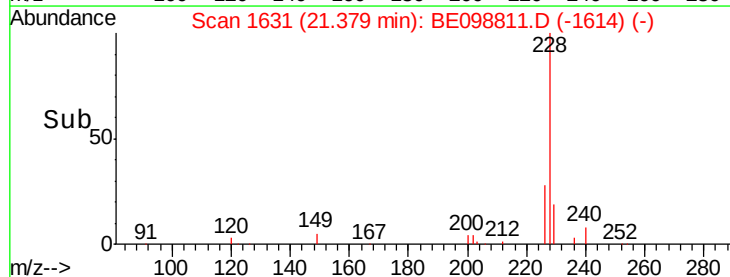
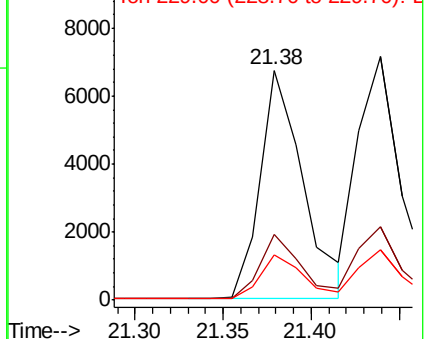
228 100

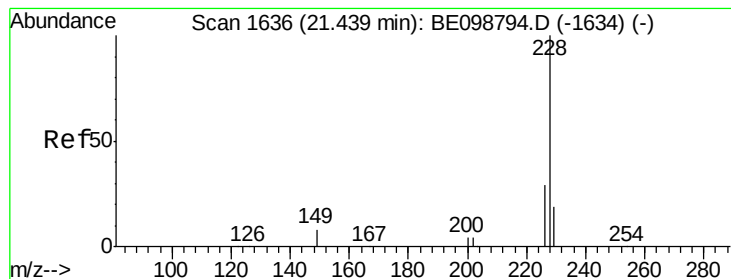
226 28.4 23.0 34.4

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: 0.394 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

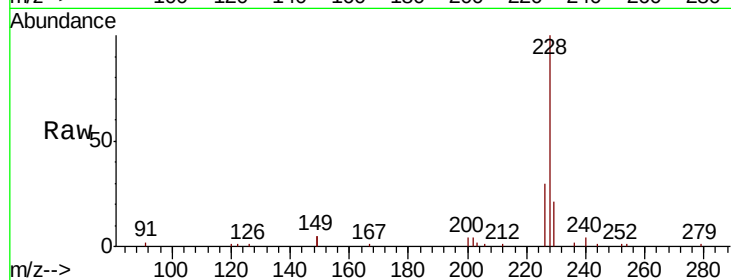
Tot Ion:228 Resp: 11893

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

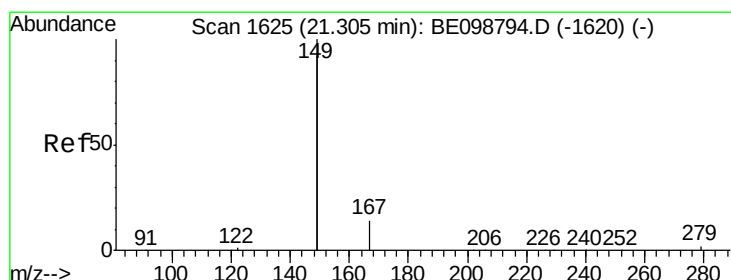
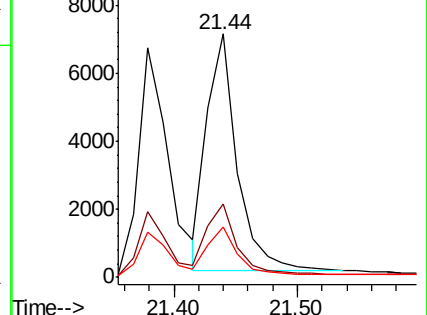
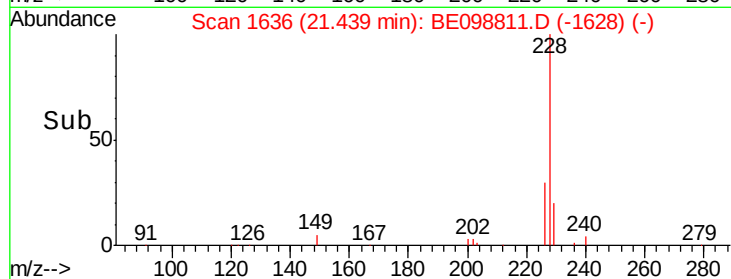
229 20.7 16.1 24.1



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: 0.362 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

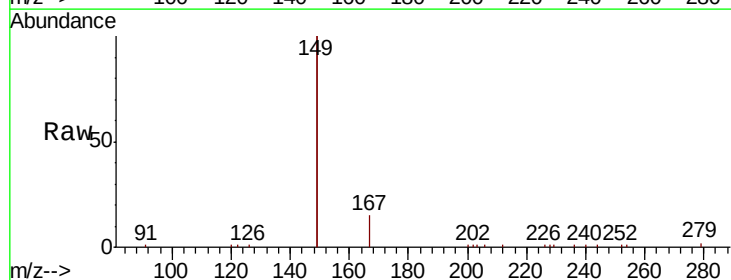
Tgt Ion:149 Resp: 21775

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

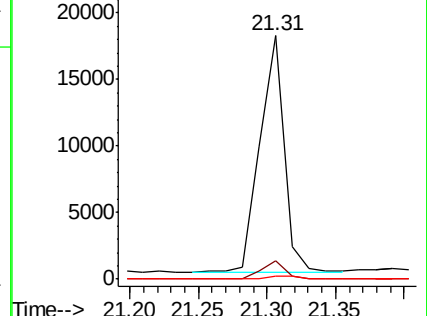
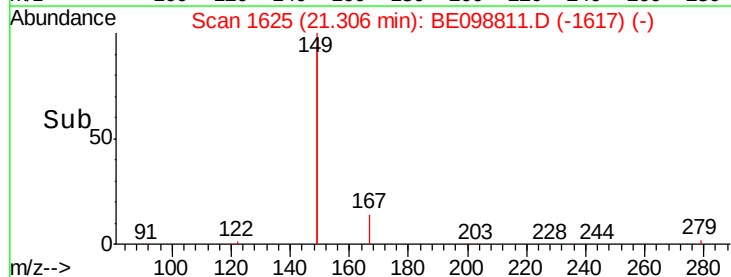
279 1.1 1.0 1.4

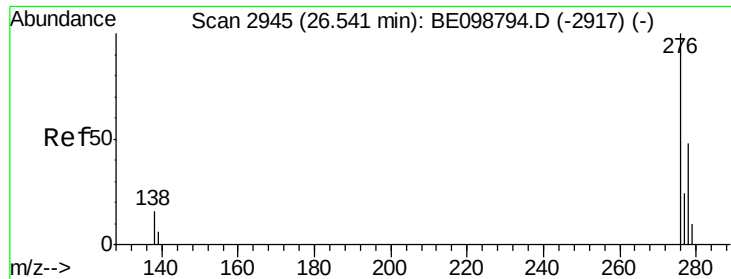


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

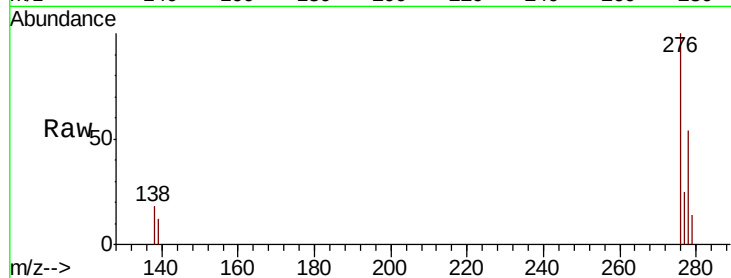




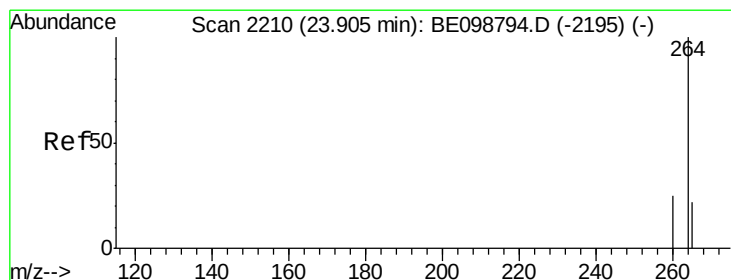
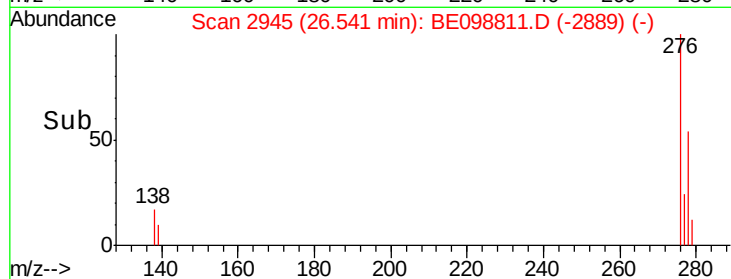
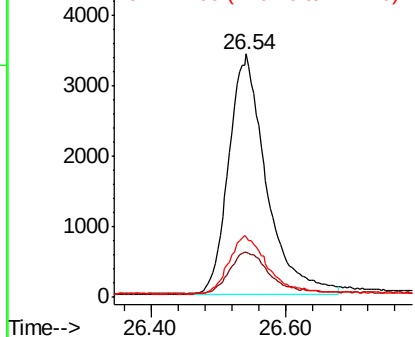
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.412 ng
RT: 26.54 min Scan# 2945
Delta R.T. 0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:276 Resp: 13141
Ion Ratio Lower Upper
276 100
138 17.9 13.8 20.8
277 24.9 19.5 29.3

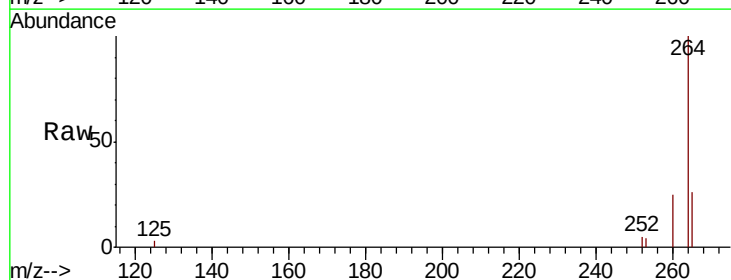


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

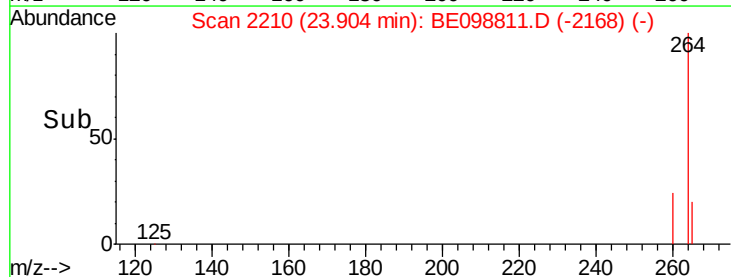
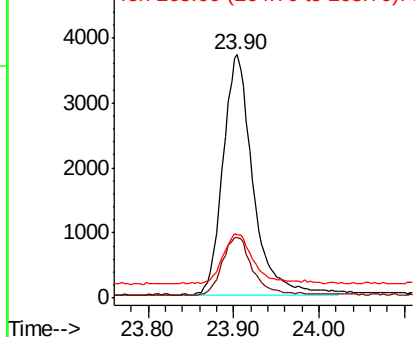


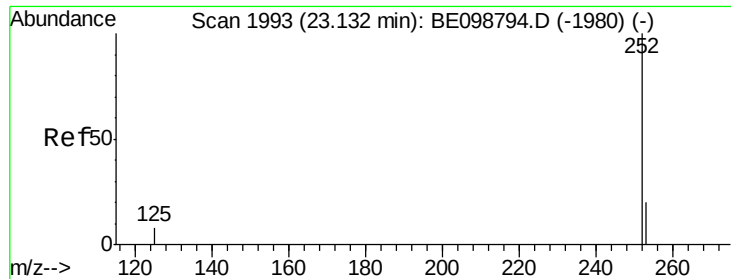
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BE098811.D
Acq: 7 Mar 2019 9:24

Tgt Ion:264 Resp: 9014
Ion Ratio Lower Upper
264 100
260 25.1 21.2 31.8
265 26.1 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: 0.414 ng

RT: 23.18 min Scan# 2008

Delta R.T. 0.05 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

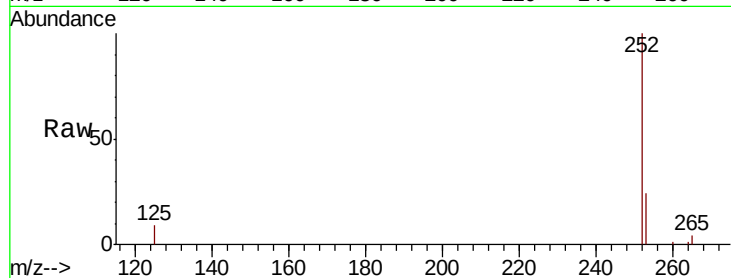
Tot Ion:252 Resp: 12260

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

125 9.2 7.3 10.9

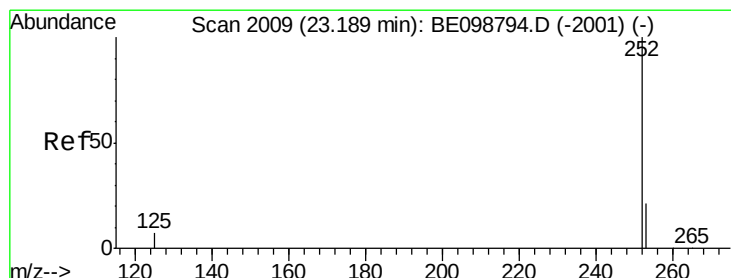
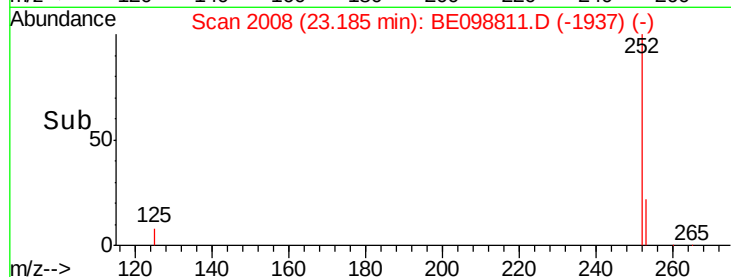
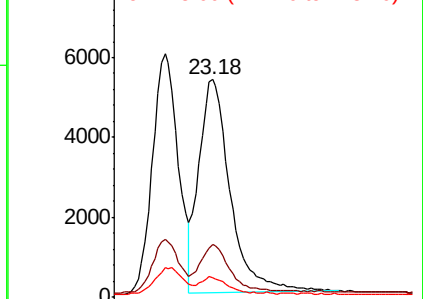


Abundance

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: 0.401 ng

RT: 23.18 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

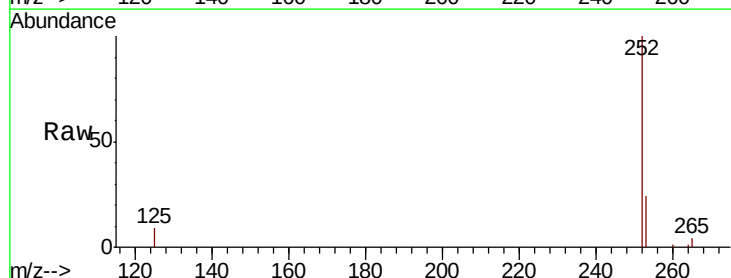
Tgt Ion:252 Resp: 12457

Ion Ratio Lower Upper

252 100

253 24.1 19.3 28.9

125 9.2 7.5 11.3

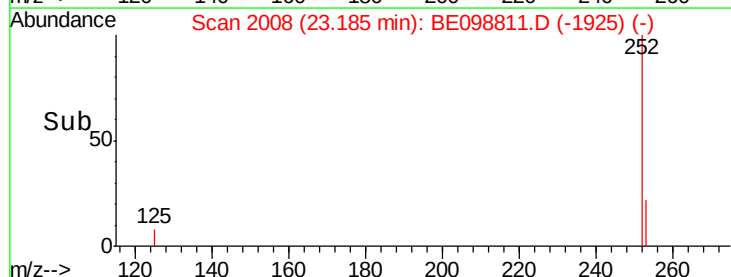
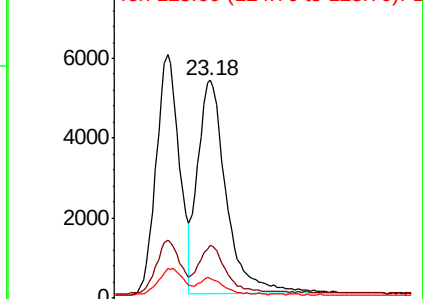


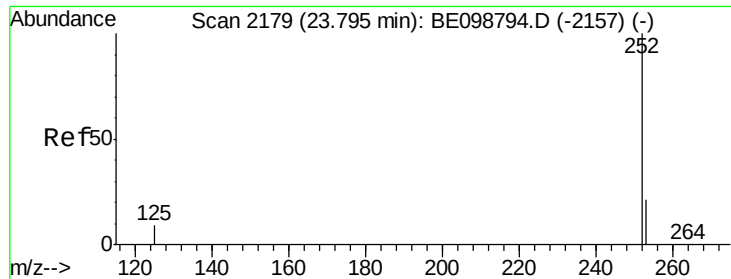
Abundance

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: 0.390 ng

RT: 23.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

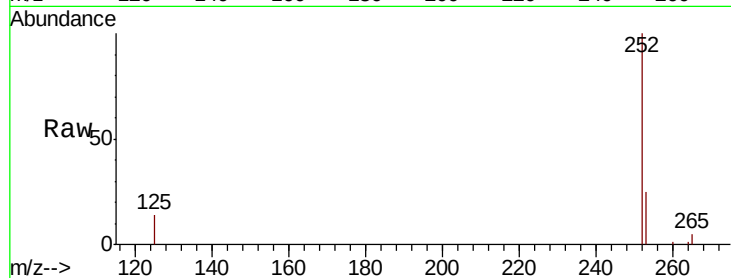
Tot Ion:252 Resp: 11081

Ion Ratio Lower Upper

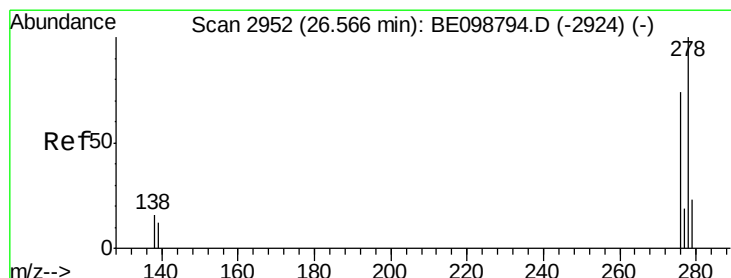
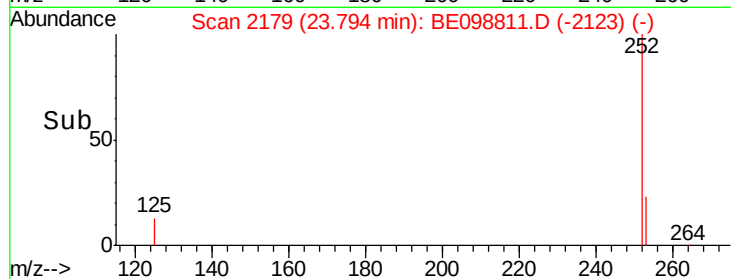
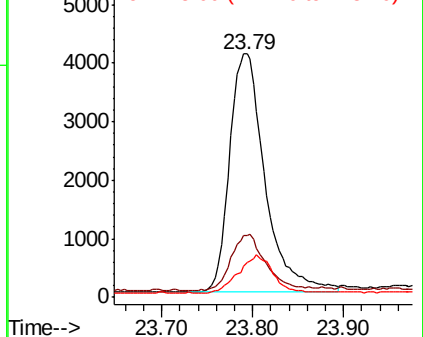
252 100

253 25.5 19.9 29.9

125 14.1 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: 0.390 ng

RT: 26.56 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

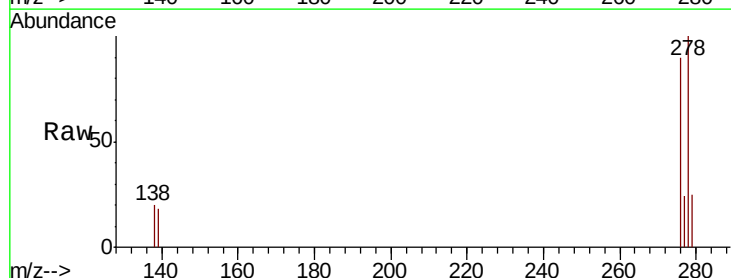
Tgt Ion:278 Resp: 10493

Ion Ratio Lower Upper

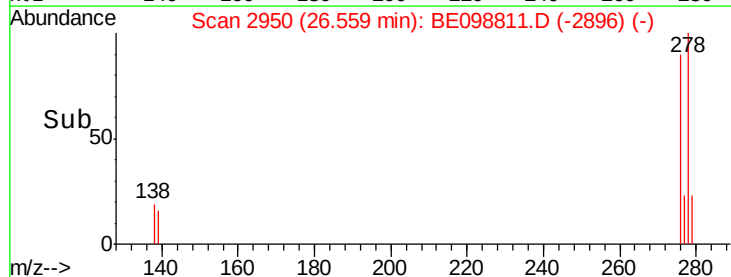
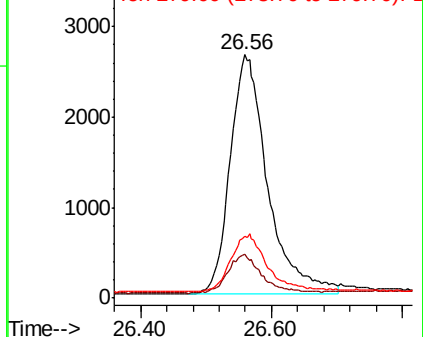
278 100

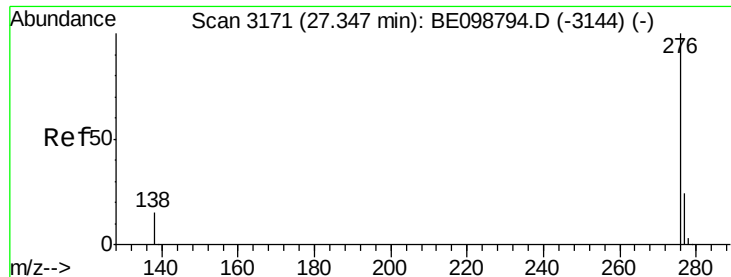
139 18.1 11.8 17.6#

279 25.4 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: 0.383 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BE098811.D

Acq: 7 Mar 2019 9:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

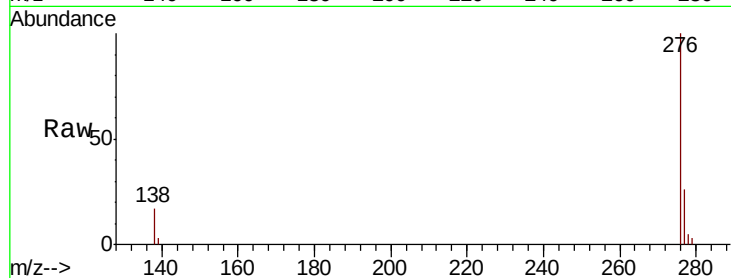
Tot Ion: 276 Resp: 10769

Ion Ratio Lower Upper

276 100

277 25.6 20.4 30.6

138 17.4 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

