

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
 Data File : BE098651.D
 Acq On : 17 Jan 2019 16:24
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jan 18 01:56:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 15 14:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	934	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4377	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2942	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	7107	0.40	ng	0.00
27) Chrysene-d12	21.40	240	8472	0.40	ng	-0.01
34) Perylene-d12	23.92	264	8153	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	928	0.37	ng	0.00
5) Phenol-d6	7.00	99	1431	0.40	ng	0.00
8) Nitrobenzene-d5	8.98	82	1355	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	2714	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	488	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4291	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	32663	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	6548	0.35	ng	0.00

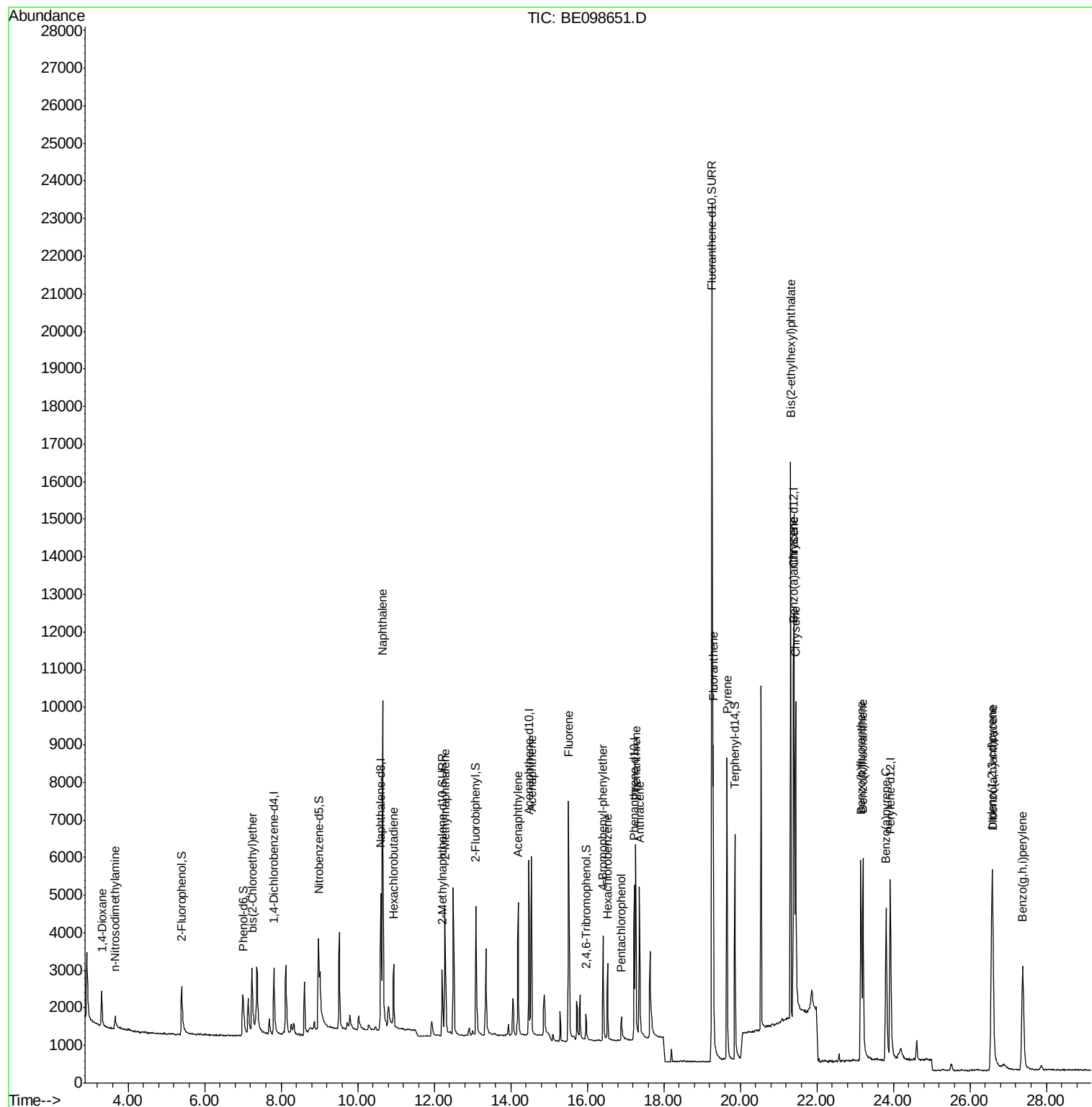
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	697	0.405	ng	94
3) n-Nitrosodimethylamine	3.66	42	524	0.392	ng	# 91
6) bis(2-Chloroethyl)ether	7.24	93	1037	0.387	ng	86
9) Naphthalene	10.65	128	15992	0.367	ng	100
10) Hexachlorobutadiene	10.94	225	1243	0.398	ng	99
12) 2-Methylnaphthalene	12.28	142	2669	0.369	ng	93
16) Acenaphthylene	14.20	152	4627	0.363	ng	99
17) Acenaphthene	14.54	154	2897	0.362	ng	98
18) Fluorene	15.51	166	3862	0.371	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1375	0.365	ng	89
21) Hexachlorobenzene	16.53	284	1639	0.361	ng	97
22) Pentachlorophenol	16.89	266	528	0.484	ng	95
23) Phenanthrene	17.27	178	6010	0.357	ng	100
24) Anthracene	17.36	178	4887	0.339	ng	98
26) Fluoranthene	19.29	202	7879	0.364	ng	98
28) Pyrene	19.65	202	8290	0.355	ng	99
30) Benzo(a)anthracene	21.39	228	8240	0.362	ng	97
31) Chrysene	21.45	228	8070	0.342	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	16568	0.343	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	8873	0.364	ng	# 91
35) Benzo(b)fluoranthene	23.15	252	7765	0.349	ng	99
36) Benzo(k)fluoranthene	23.20	252	8783	0.361	ng	99
37) Benzo(a)pyrene	23.81	252	7764	0.355	ng	97
38) Dibenzo(a,h)anthracene	26.60	278	7181	0.371	ng	97
39) Benzo(g,h,i)perylene	27.38	276	7619	0.359	ng	97

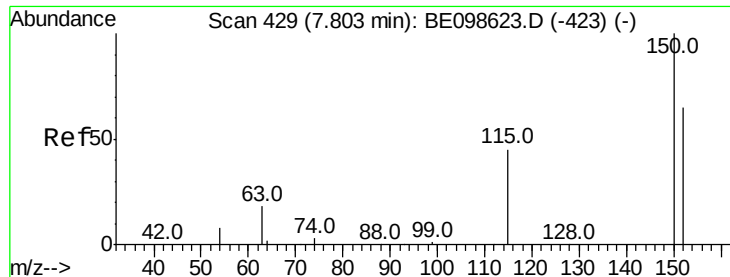
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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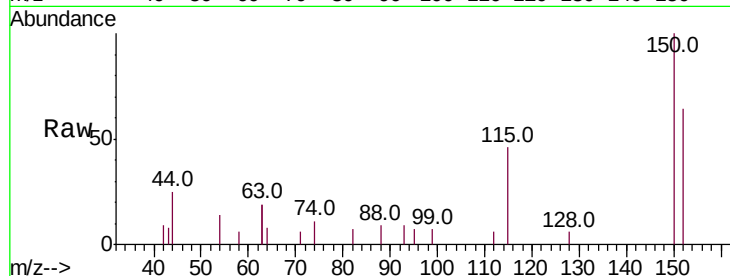


#1

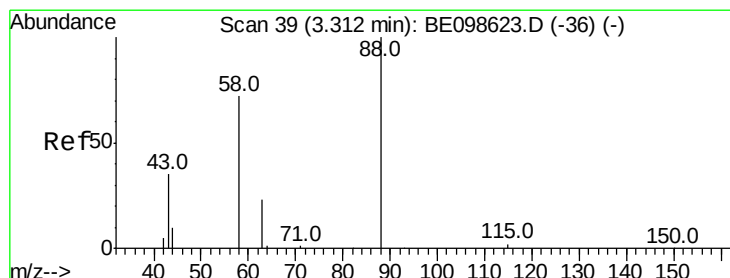
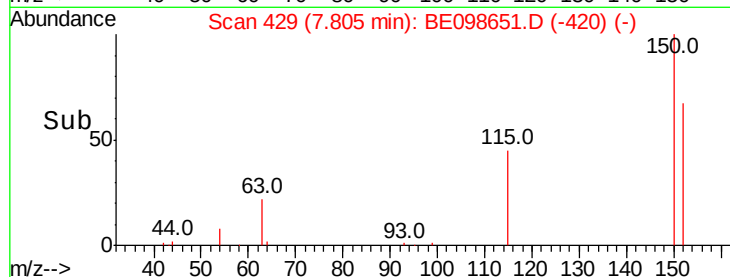
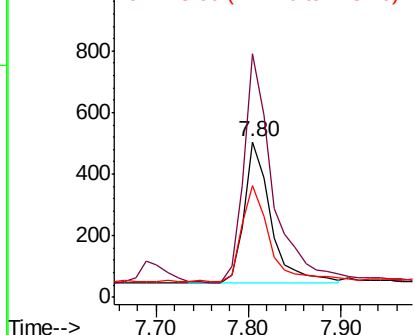
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098651.D
Acq: 17 Jan 2019 16:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 934
Ion Ratio Lower Upper
152 100
150 156.3 121.4 182.2
115 71.7 59.1 88.7



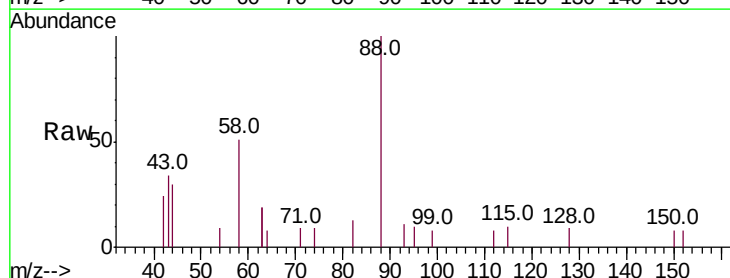
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



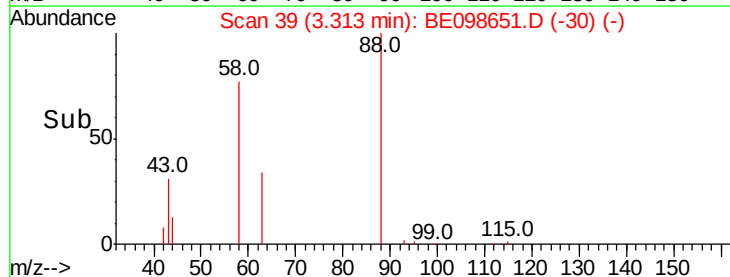
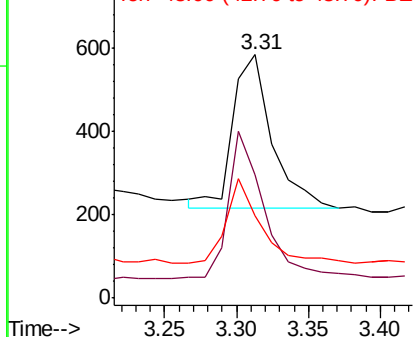
#2

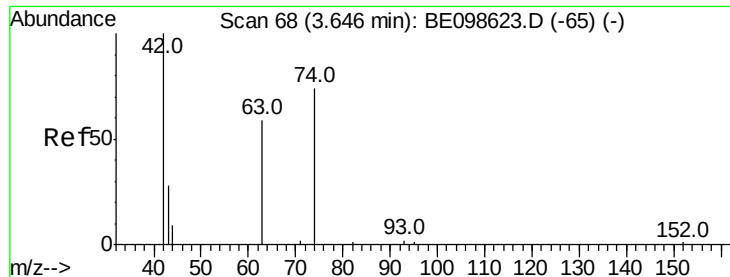
1,4-Dioxane
Concen: 0.405 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098651.D
Acq: 17 Jan 2019 16:24

Tgt Ion: 88 Resp: 697
Ion Ratio Lower Upper
88 100
58 88.1 73.9 110.9
43 47.9 43.7 65.5



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



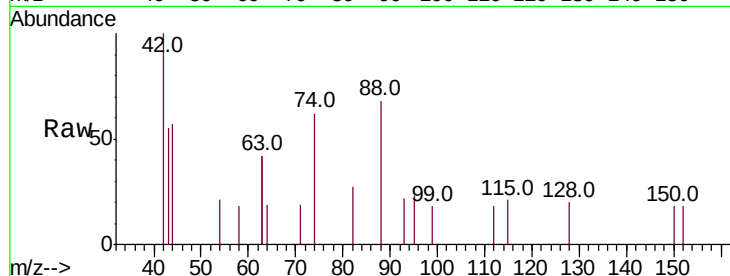


#3

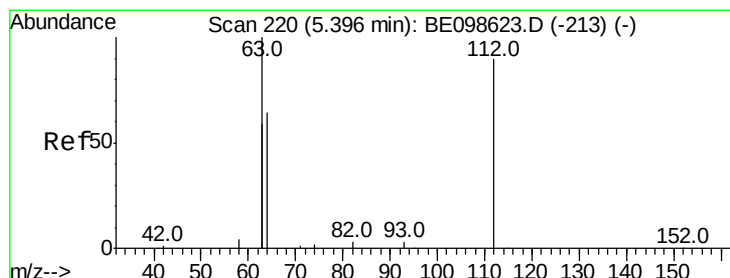
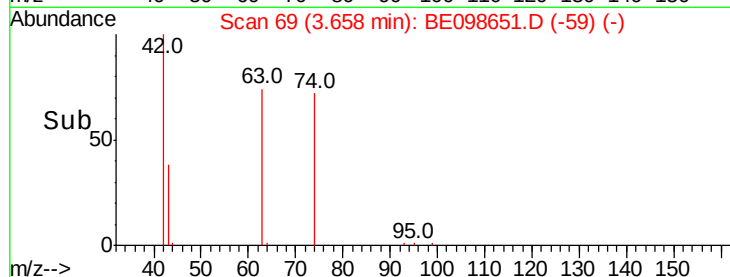
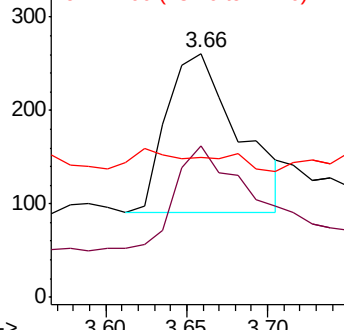
n-Nitrosodimethylamine
 Concen: 0.392 ng
 RT: 3.66 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: BE098651.D
 Acq: 17 Jan 2019 16:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion: 42 Resp: 524
 Ion Ratio Lower Upper
 42 100
 74 65.6 58.9 88.3
 44 0.0 0.0 0.0



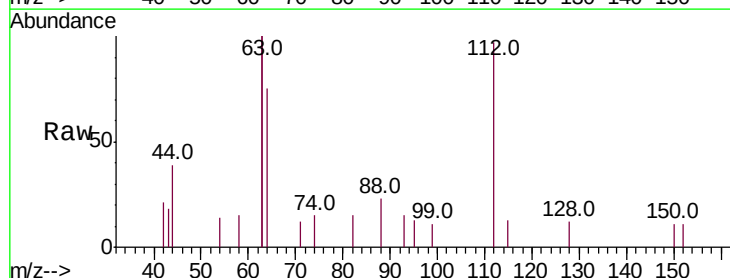
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



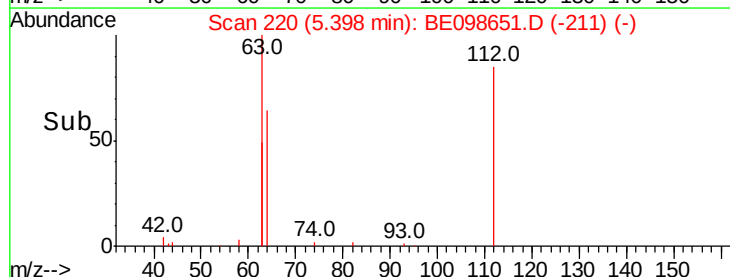
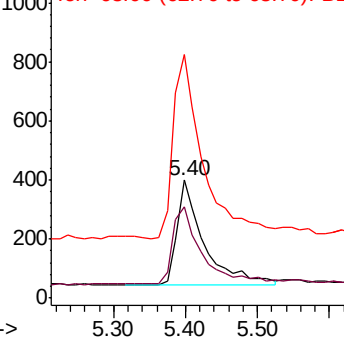
#4

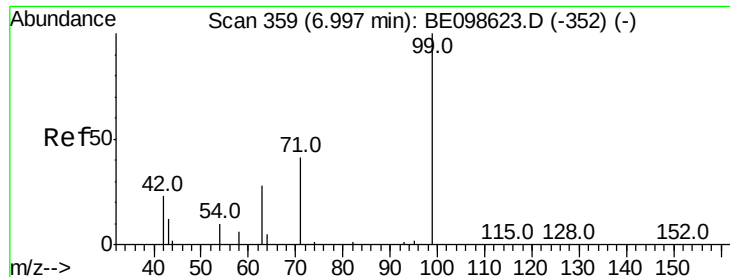
2-Fluorophenol
 Concen: 0.373 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: BE098651.D
 Acq: 17 Jan 2019 16:24

Tgt Ion: 112 Resp: 928
 Ion Ratio Lower Upper
 112 100
 64 80.7 62.9 94.3
 63 211.3 152.2 228.4



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: 0.403 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

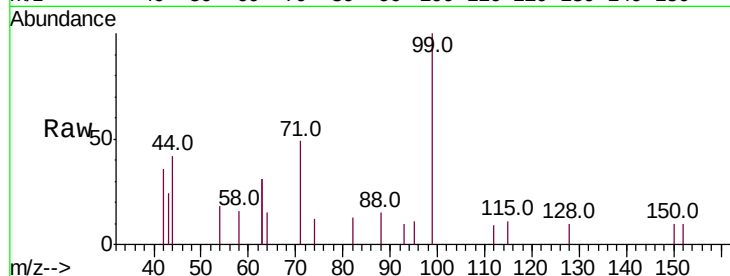
Tot Ion: 99 Resp: 1431

Ion Ratio Lower Upper

99 100

42 34.3 24.6 37.0

71 46.9 35.1 52.7



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

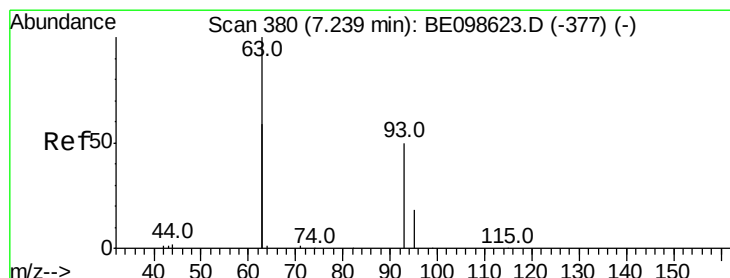
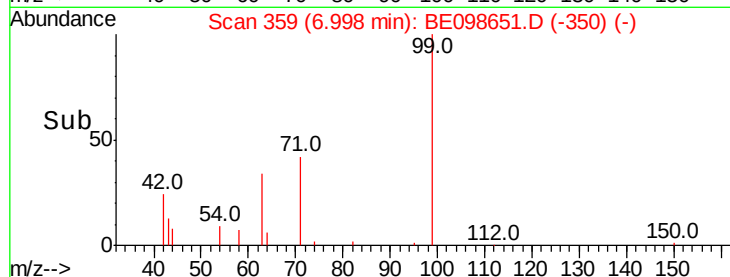
7.00

400

200

0

Time--> 6.80 7.00 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.387 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

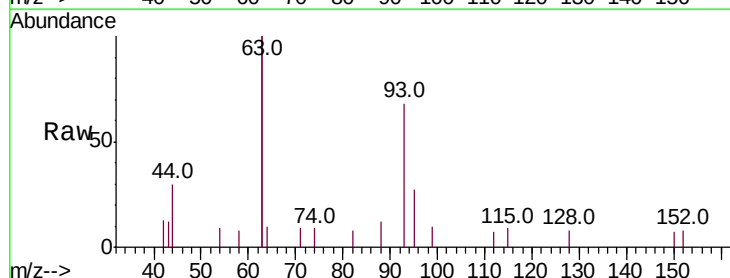
Tgt Ion: 93 Resp: 1037

Ion Ratio Lower Upper

93 100

63 301.4 267.3 400.9

95 32.7 26.2 39.4



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

2000

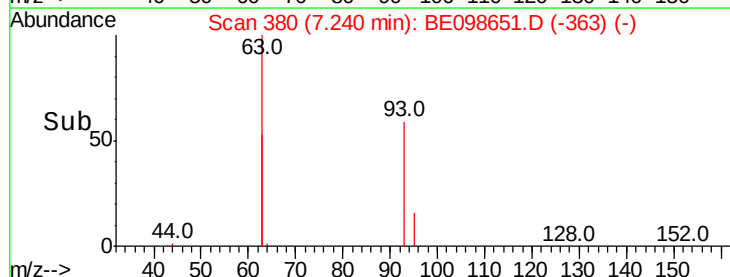
1500

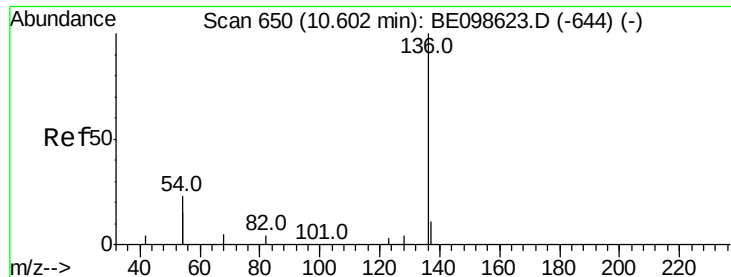
1000

500

0

Time--> 7.20 7.30 7.40





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 4377

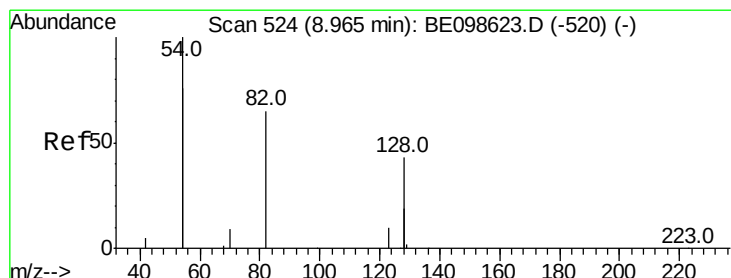
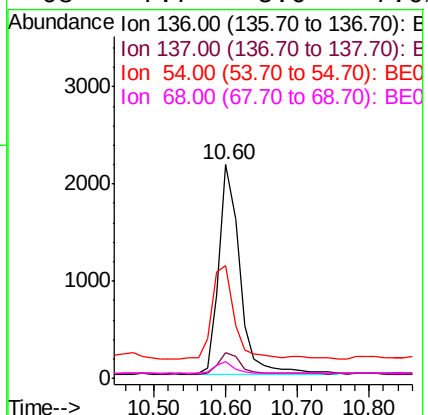
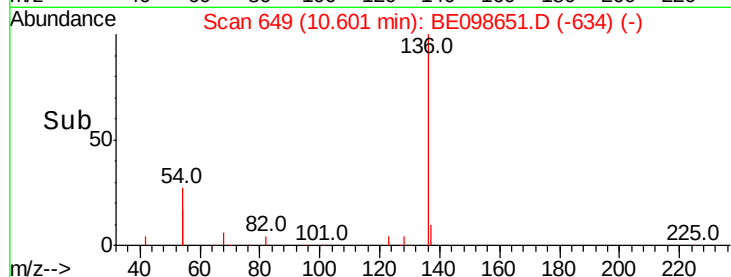
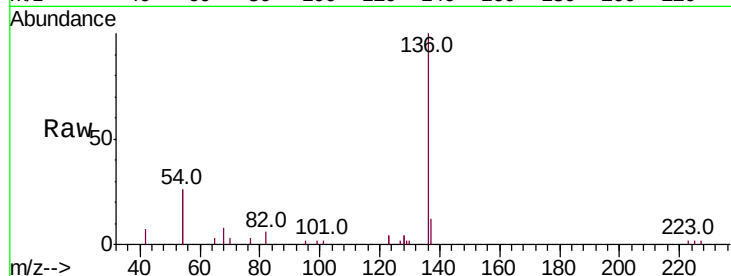
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 52.5 35.5 53.3

68 7.7 5.0 7.6#



#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

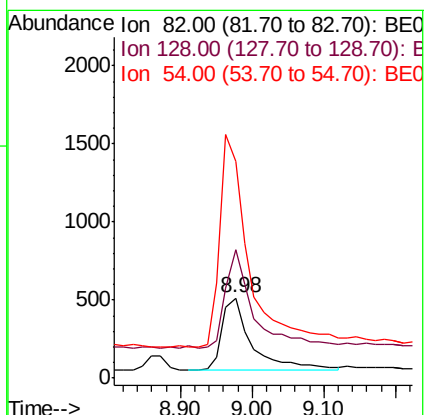
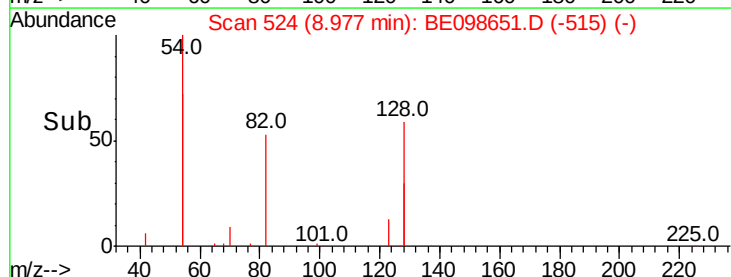
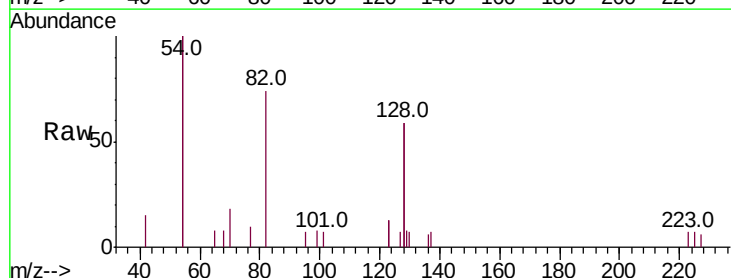
Tgt Ion: 82 Resp: 1355

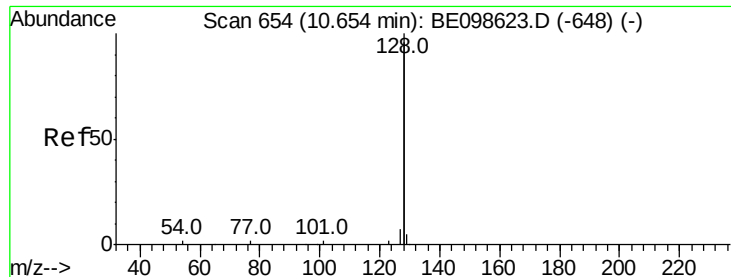
Ion Ratio Lower Upper

82 100

128 160.2 96.5 144.7#

54 271.9 224.7 337.1





#9

Naphthalene

Concen: 0.367 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

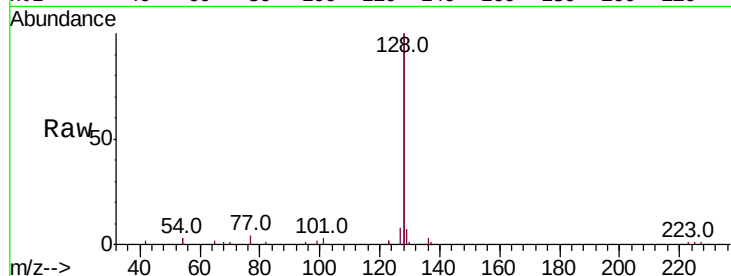
Tot Ion:128 Resp: 15992

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

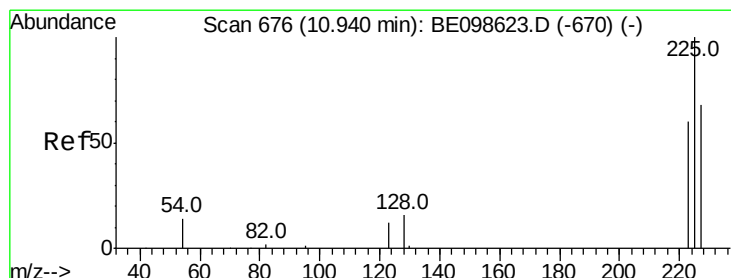
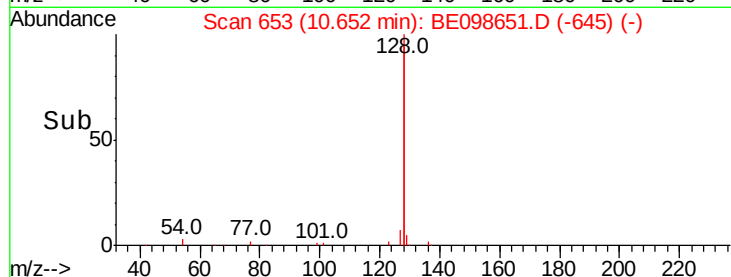
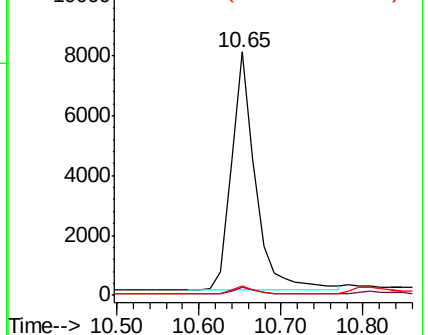
127 3.9 3.0 4.6



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: 0.398 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

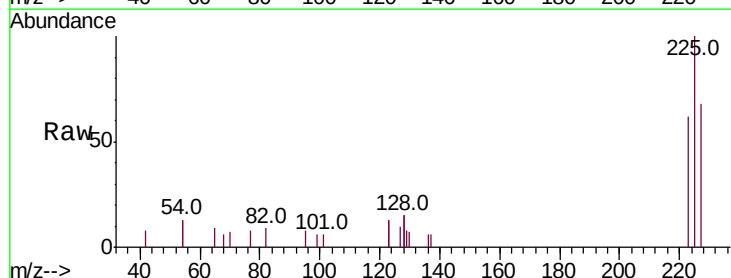
Tgt Ion:225 Resp: 1243

Ion Ratio Lower Upper

225 100

223 61.5 47.8 71.8

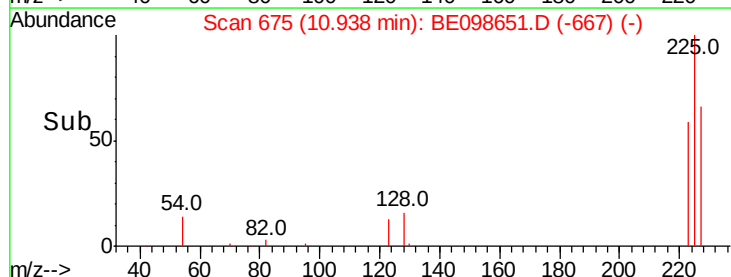
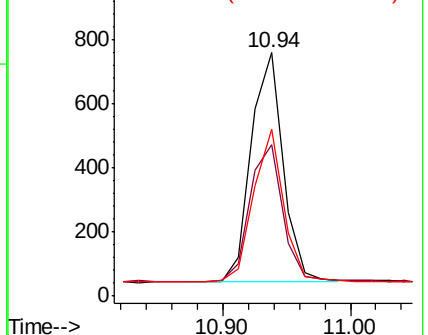
227 63.2 50.5 75.7

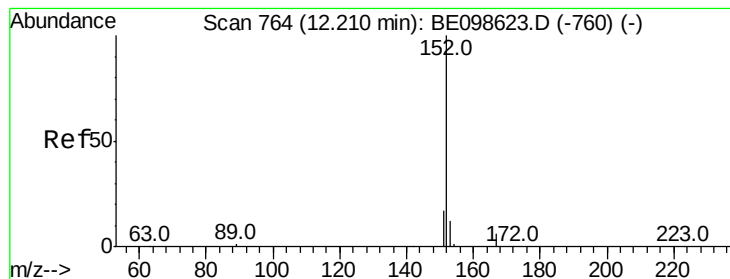


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.377 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

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ClientSampleId :

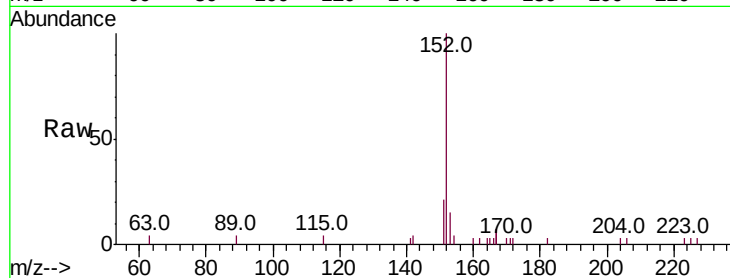
SSTDCCC0.4

Tot Ion:152 Resp: 2714

Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

1500

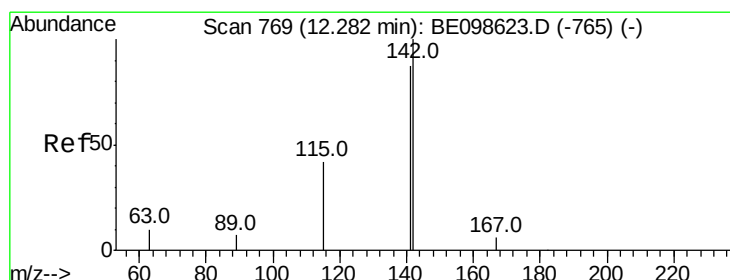
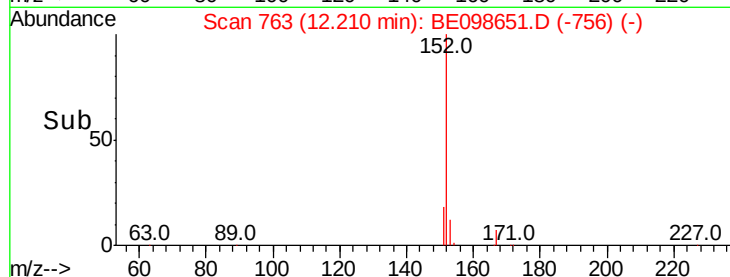
1000

500

0

12.20 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

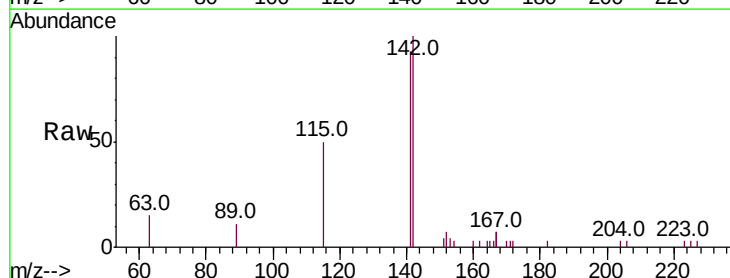
Tgt Ion:142 Resp: 2669

Ion Ratio Lower Upper

142 100

141 93.1 70.0 105.0

115 50.0 35.2 52.8



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

12.28

1500

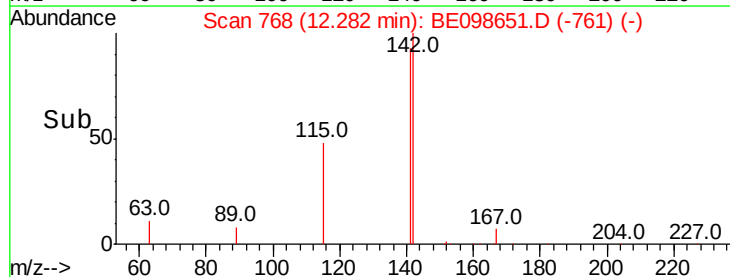
1000

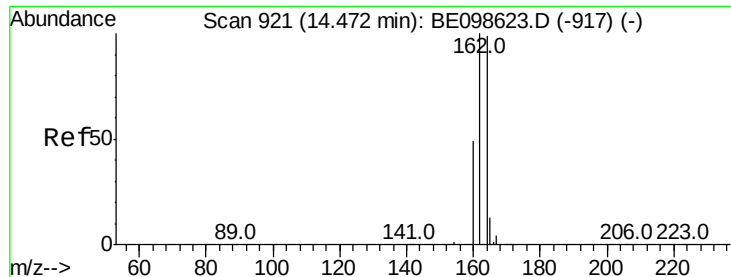
500

0

12.20 12.30

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

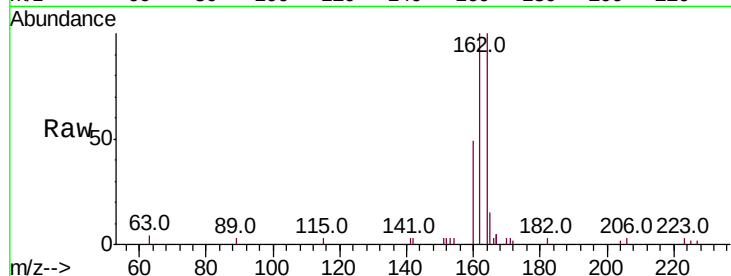
Tot Ion:164 Resp: 2942

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

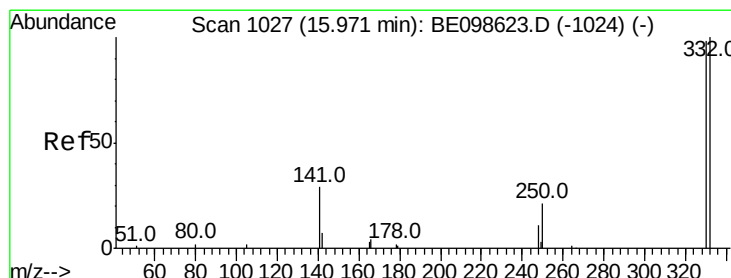
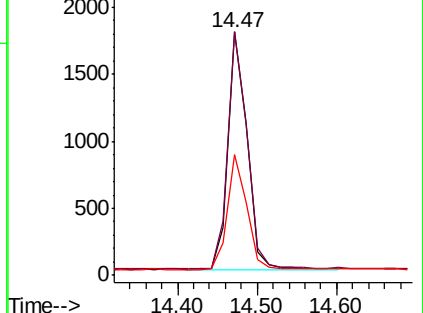
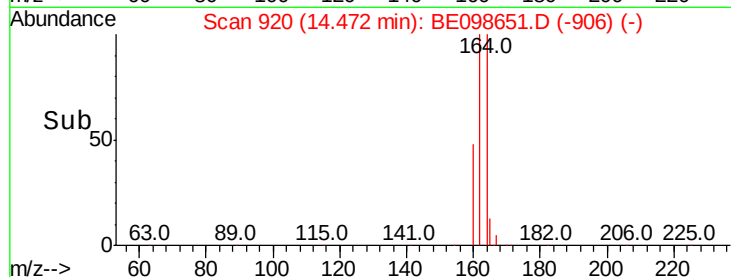
160 49.4 40.1 60.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.381 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

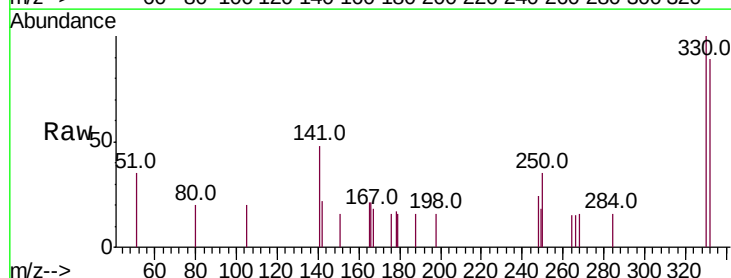
Tgt Ion:330 Resp: 488

Ion Ratio Lower Upper

330 100

332 97.3 73.3 109.9

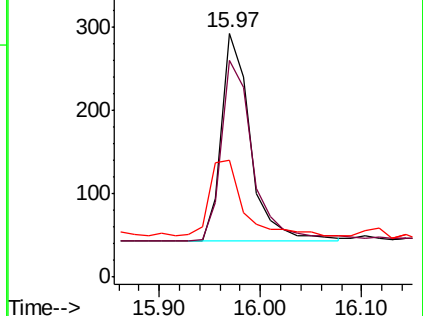
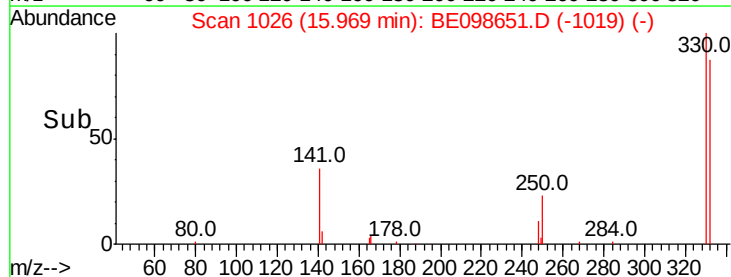
141 44.1 33.1 49.7

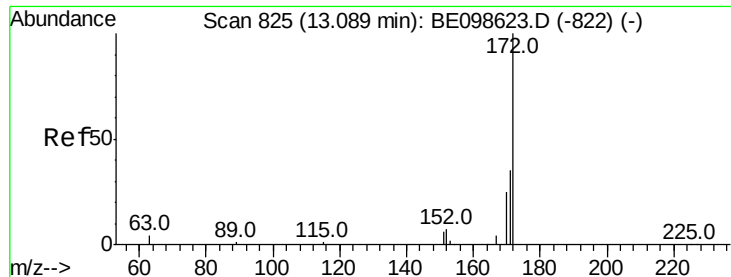


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.356 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

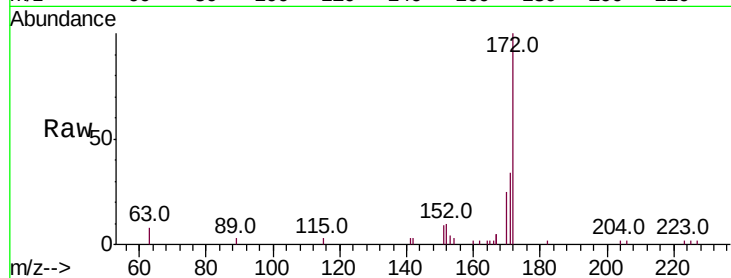
BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:172 Resp: 4291

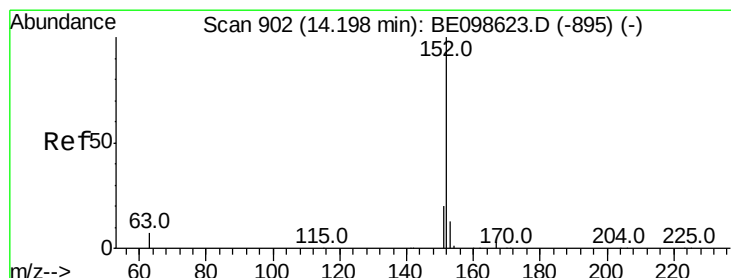
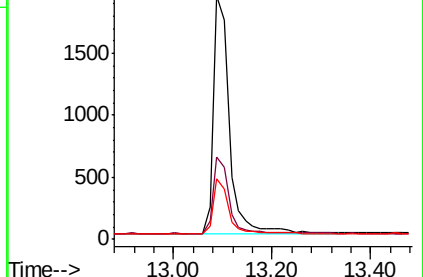
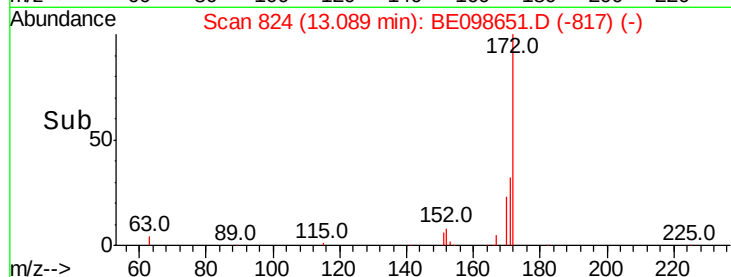
Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.0	43.4
170	24.9	20.8	31.2



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: 0.363 ng

RT: 14.20 min Scan# 901

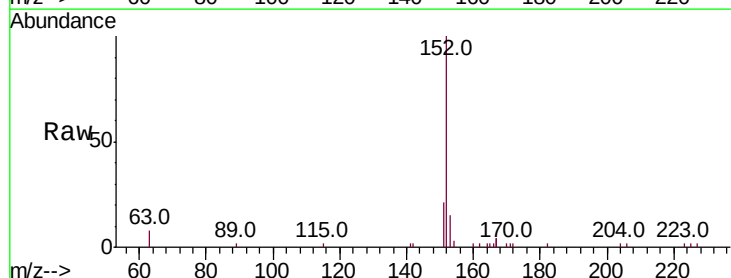
Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Tgt Ion:152 Resp: 4627

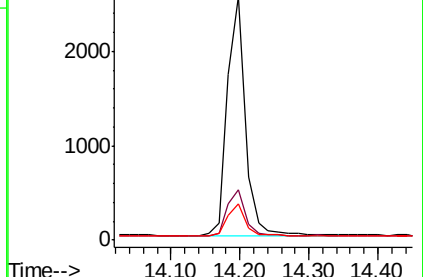
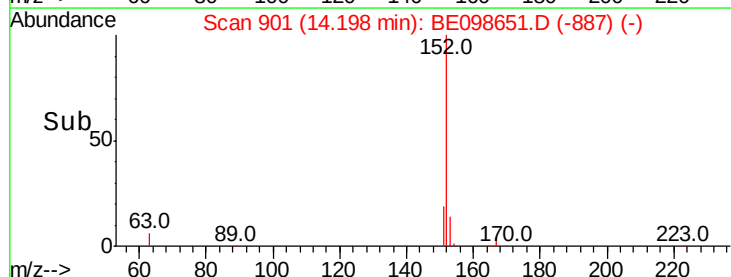
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	14.0	10.7	16.1

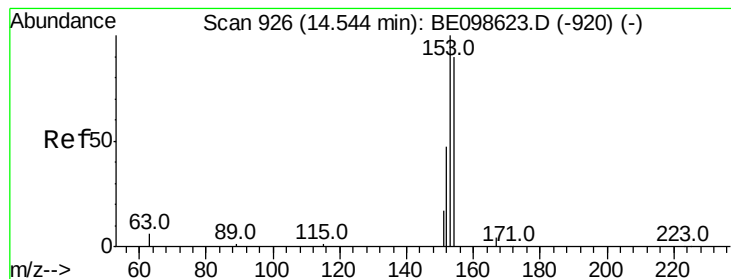


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.362 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

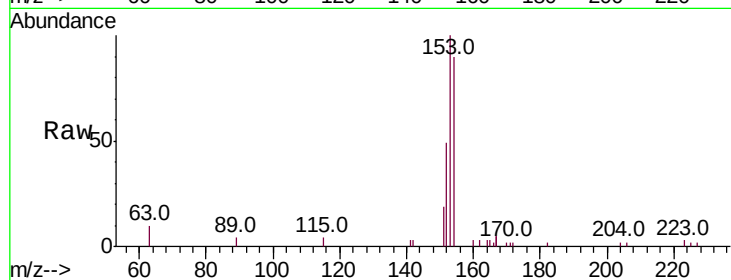
Tot Ion:154 Resp: 2897

Ion Ratio Lower Upper

154 100

153 115.7 93.9 140.9

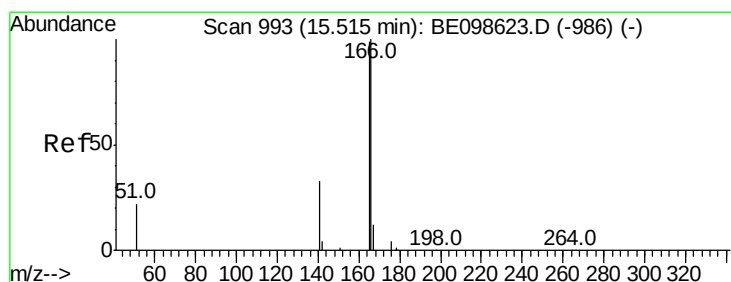
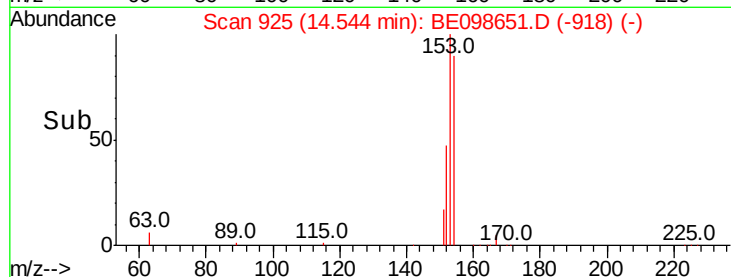
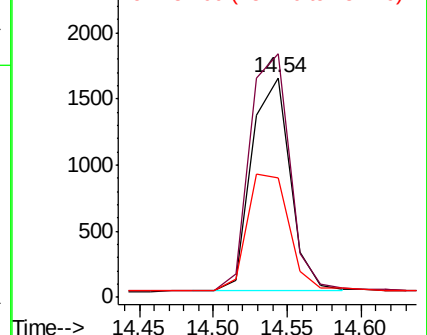
152 58.7 45.8 68.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.371 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

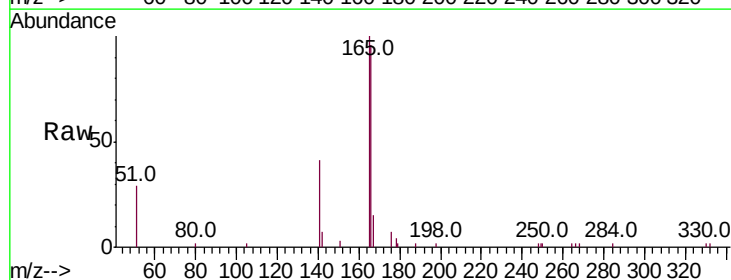
Tgt Ion:166 Resp: 3862

Ion Ratio Lower Upper

166 100

165 99.8 79.3 118.9

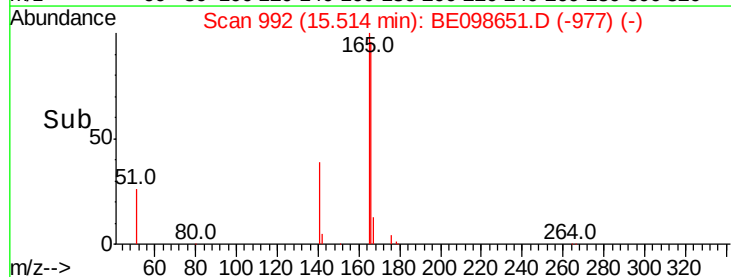
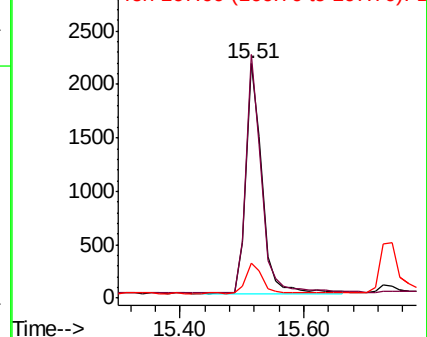
167 14.3 10.6 15.8

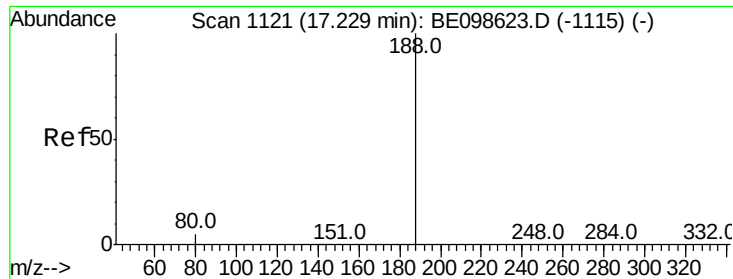


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

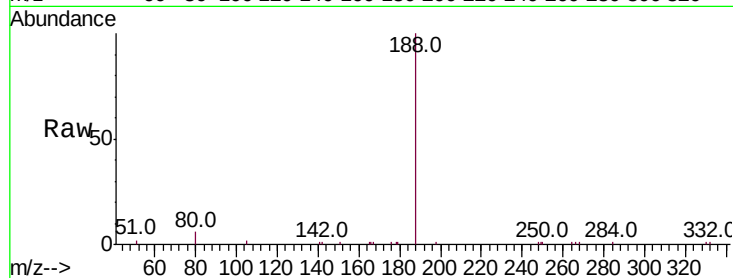
Tot Ion:188 Resp: 7107

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

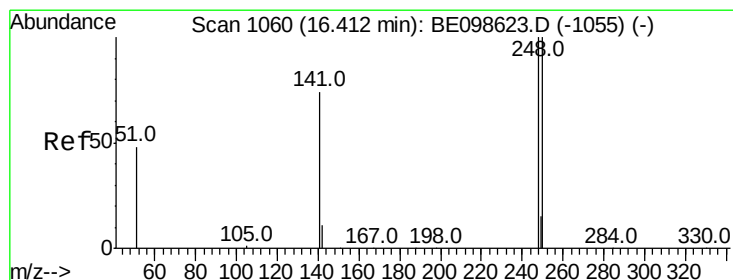
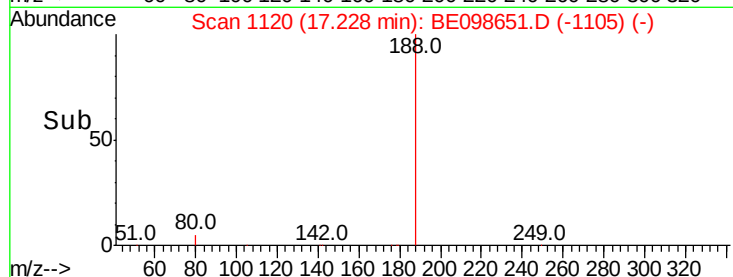
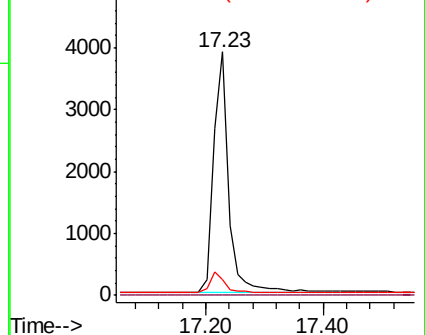
80 6.4 4.7 7.1



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: 0.365 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

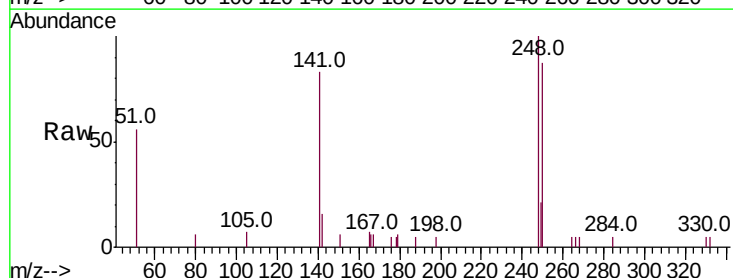
Tgt Ion:248 Resp: 1375

Ion Ratio Lower Upper

248 100

250 87.2 80.2 120.4

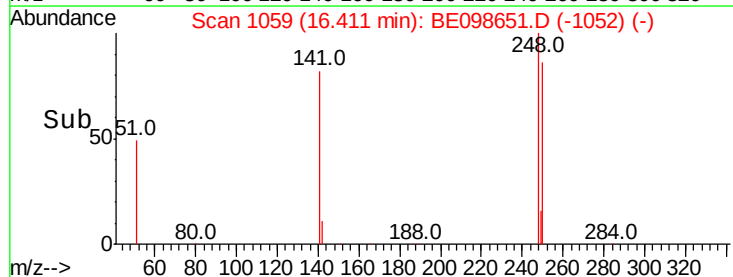
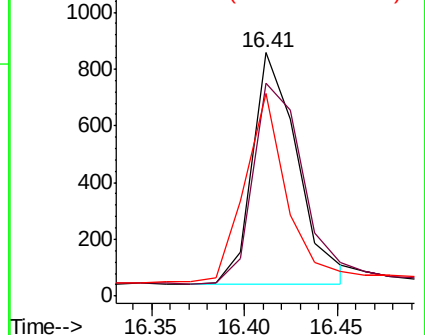
141 83.3 60.5 90.7

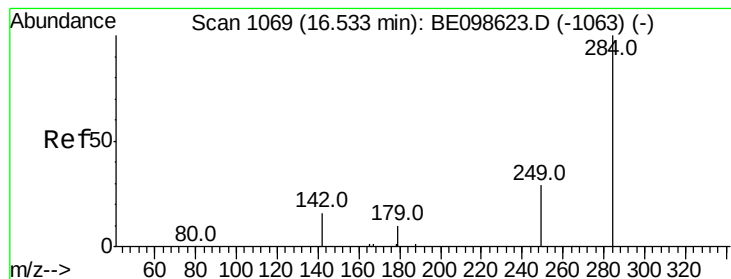


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.361 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

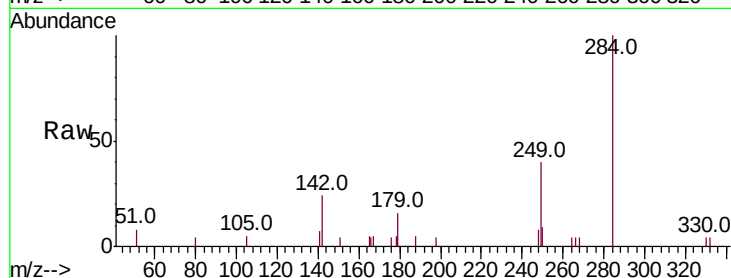
Tot Ion:284 Resp: 1639

Ion Ratio Lower Upper

284 100

142 32.5 25.5 38.3

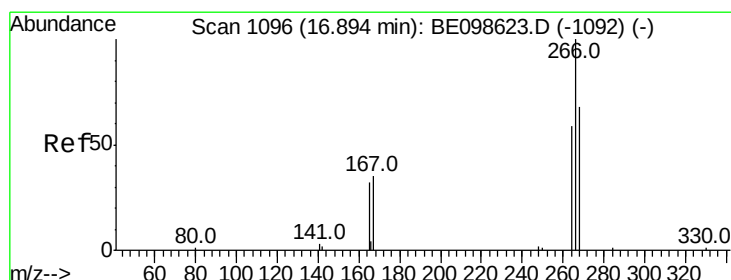
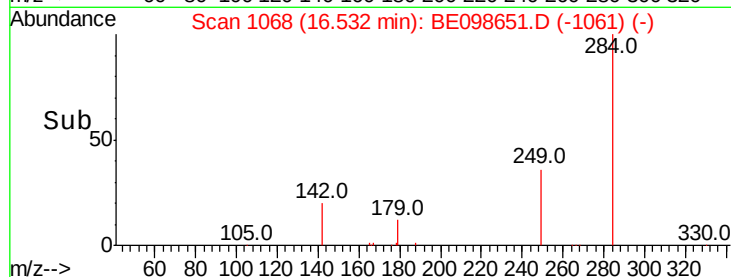
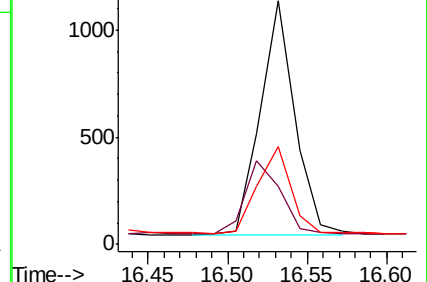
249 36.3 26.6 39.8



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: 0.484 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

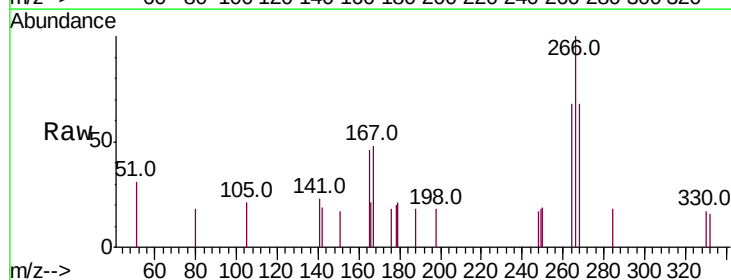
Tgt Ion:266 Resp: 528

Ion Ratio Lower Upper

266 100

264 67.8 53.7 80.5

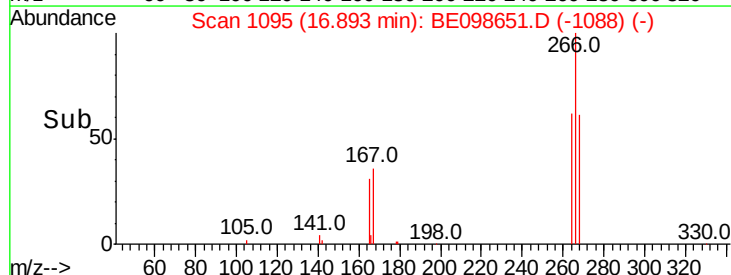
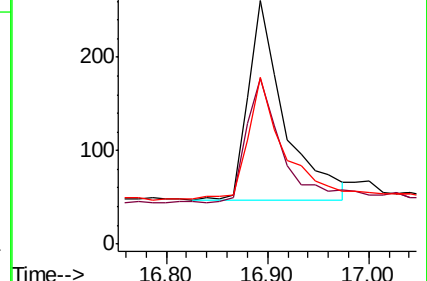
268 68.2 59.8 89.8

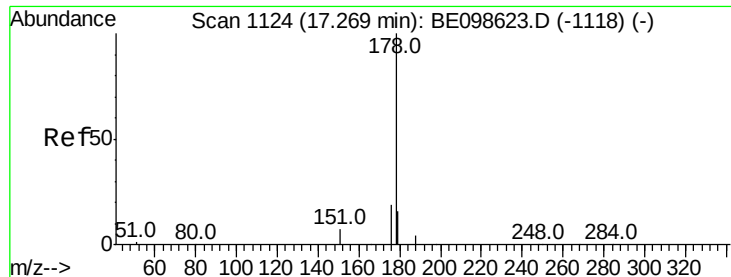


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.357 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

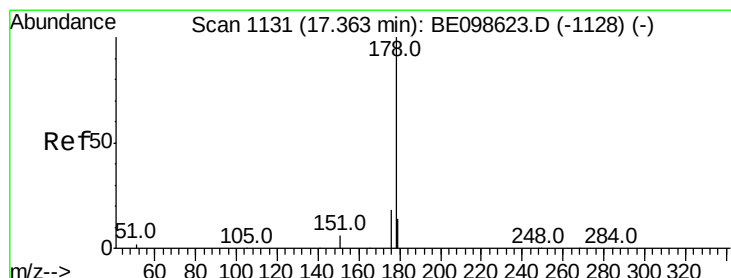
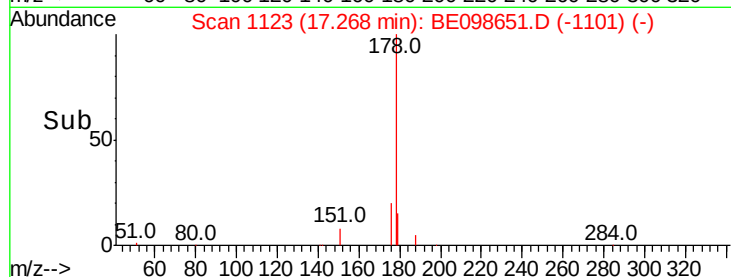
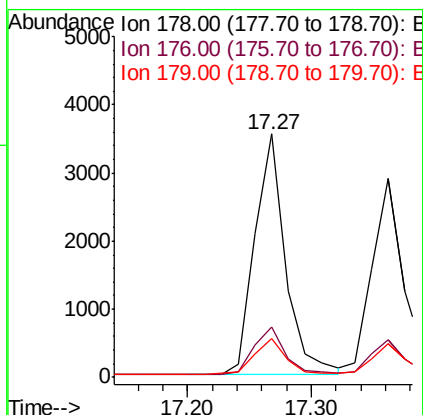
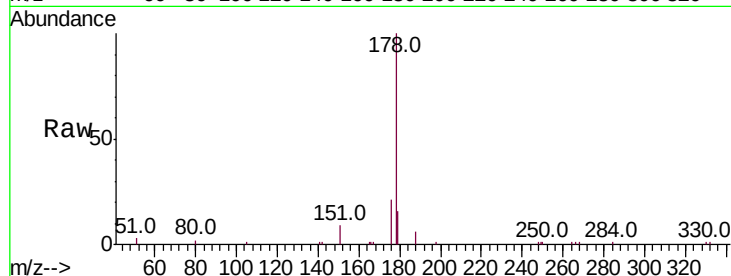
Tot Ion:178 Resp: 6010

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

179 15.0 12.2 18.4



#24

Anthracene

Concen: 0.339 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

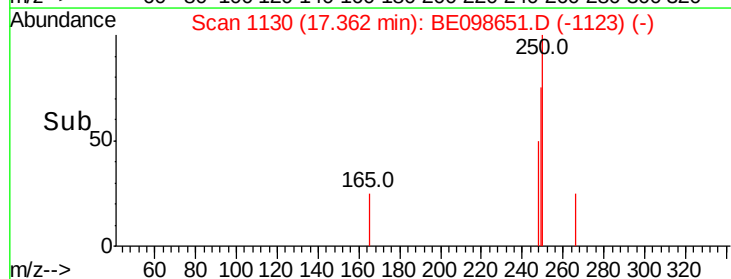
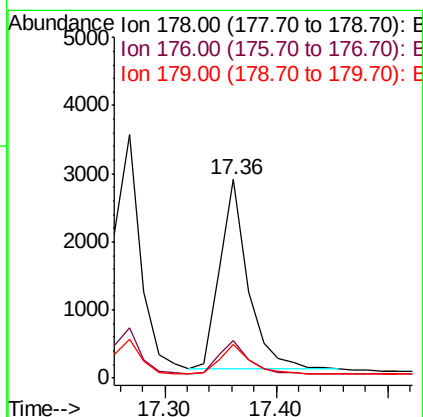
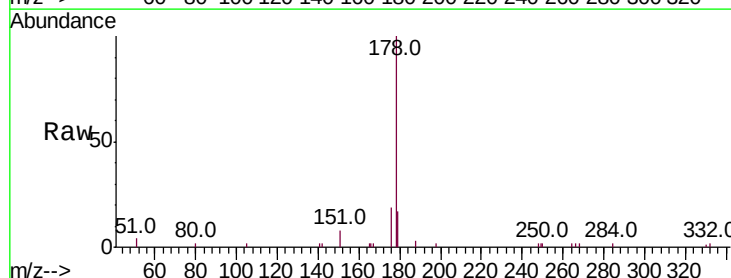
Tgt Ion:178 Resp: 4887

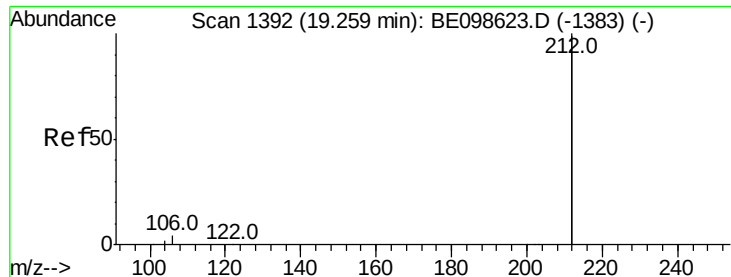
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 16.3 11.8 17.8





#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

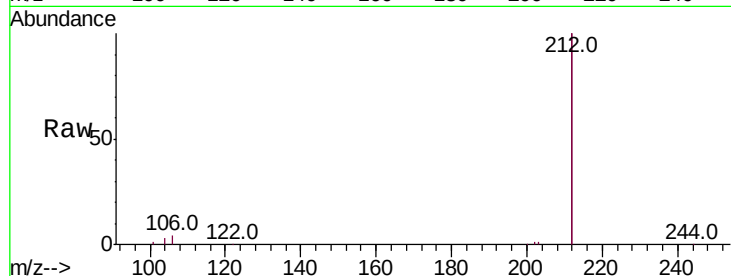
Tot Ion:212 Resp: 32663

Ion Ratio Lower Upper

212 100

106 1.9 1.7 2.5

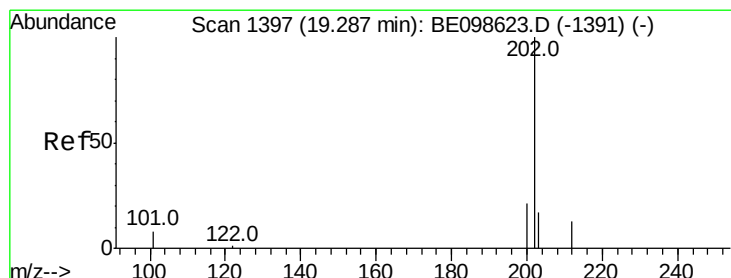
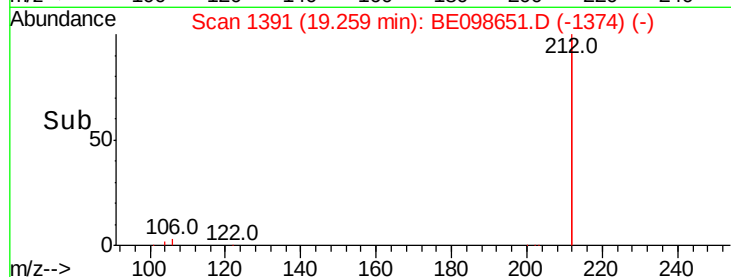
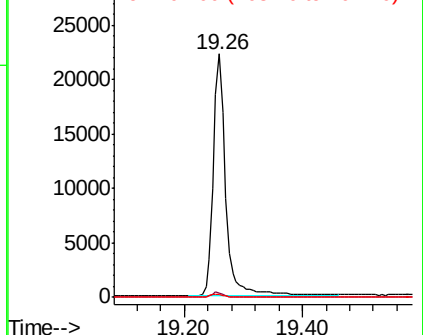
104 1.2 1.0 1.6



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: 0.364 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

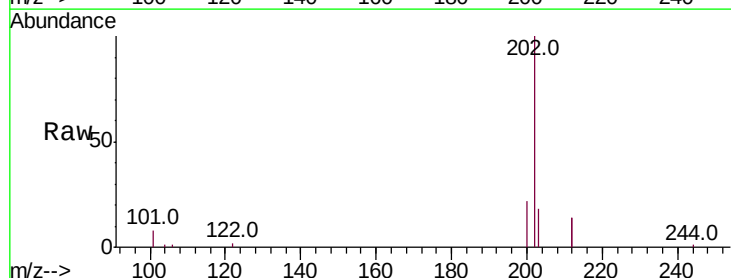
Tgt Ion:202 Resp: 7879

Ion Ratio Lower Upper

202 100

101 7.1 6.7 10.1

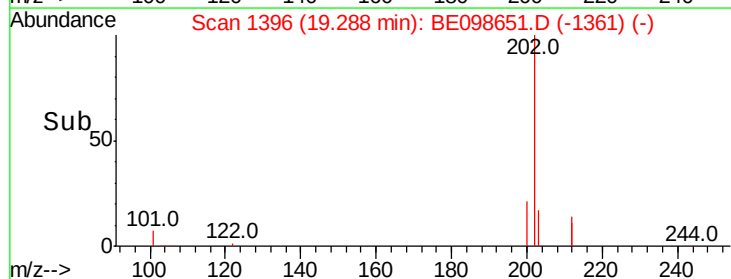
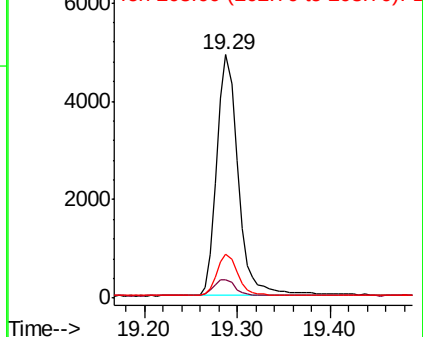
203 16.3 13.3 19.9

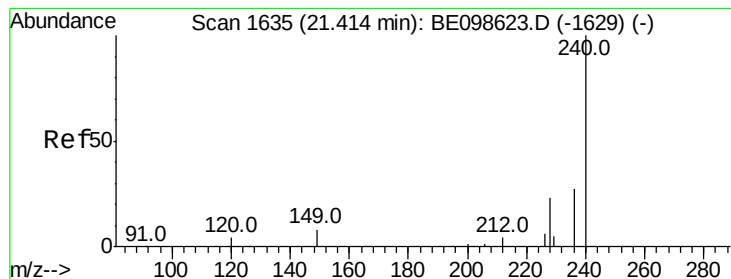


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

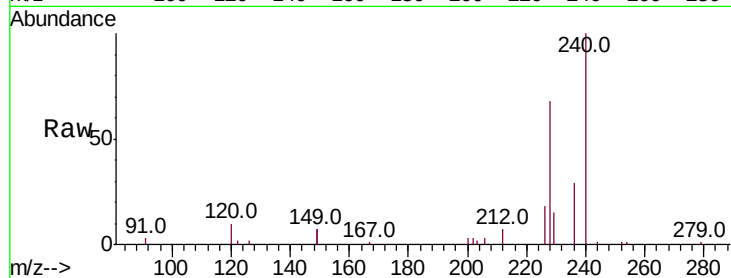
Tot Ion:240 Resp: 8472

Ion Ratio Lower Upper

240 100

120 9.7 4.7 7.1#

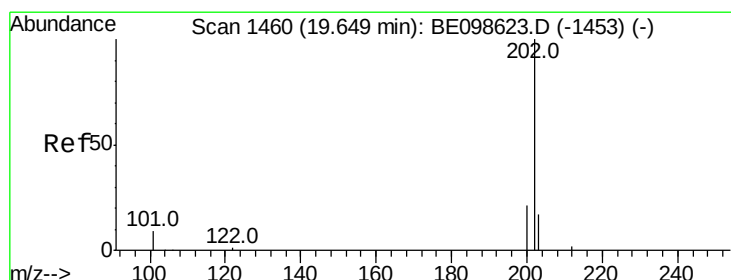
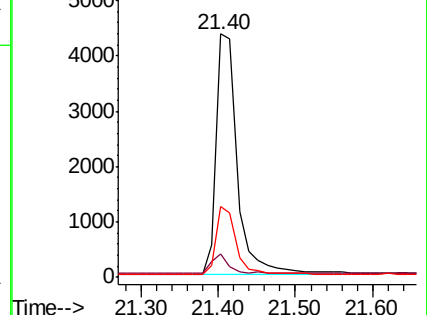
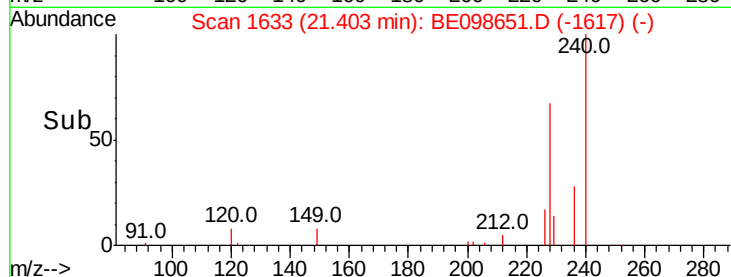
236 29.1 21.9 32.9



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: 0.355 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

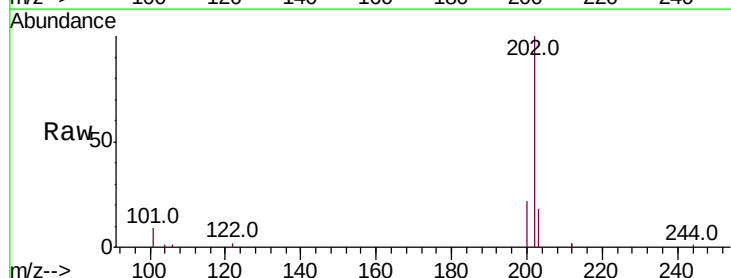
Tgt Ion:202 Resp: 8290

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

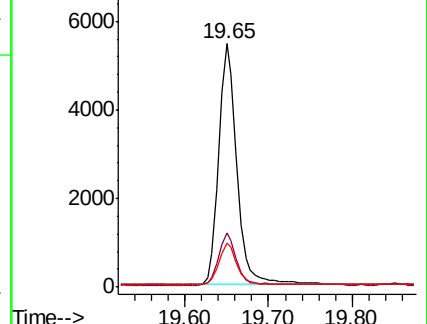
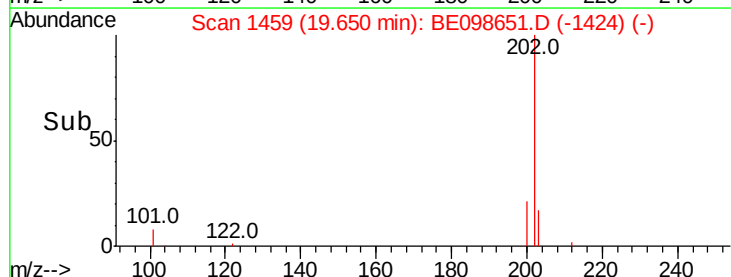
203 17.1 13.8 20.8

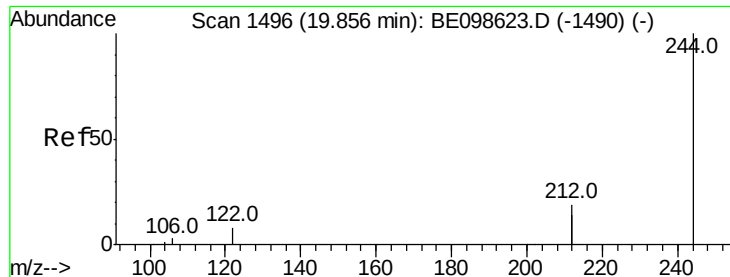


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.349 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

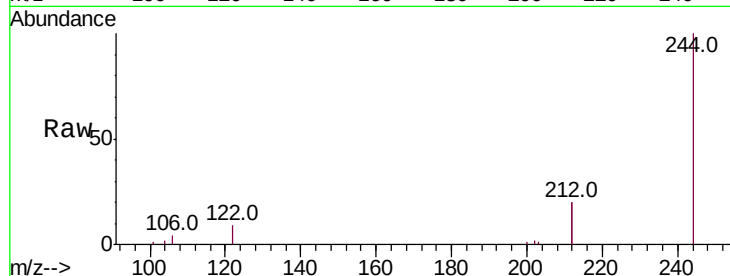
Tot Ion:244 Resp: 6548

Ion Ratio Lower Upper

244 100

212 39.2 29.4 44.2

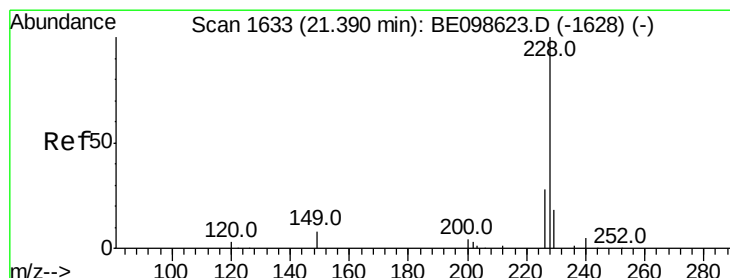
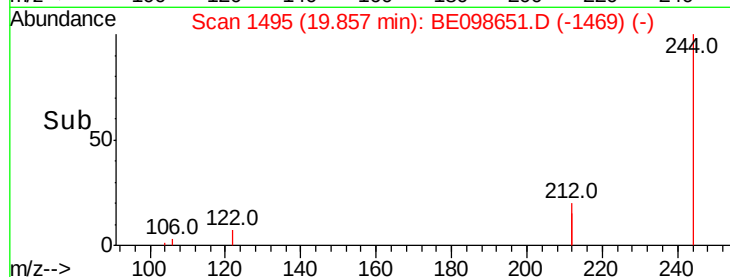
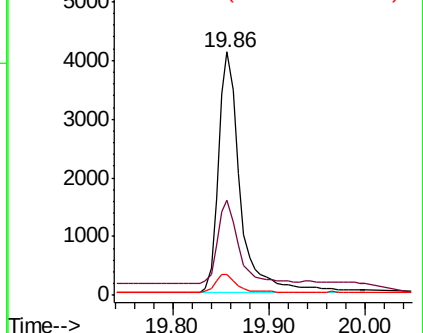
122 8.5 7.1 10.7



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: 0.362 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

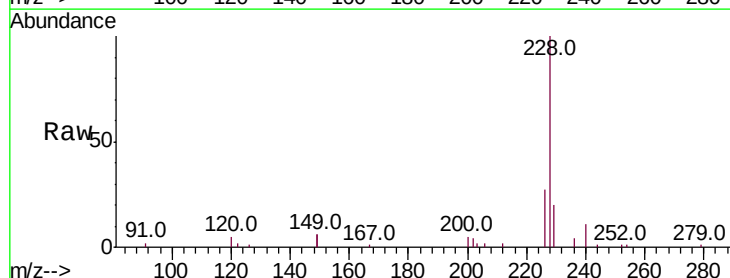
Tgt Ion:228 Resp: 8240

Ion Ratio Lower Upper

228 100

226 26.9 23.0 34.4

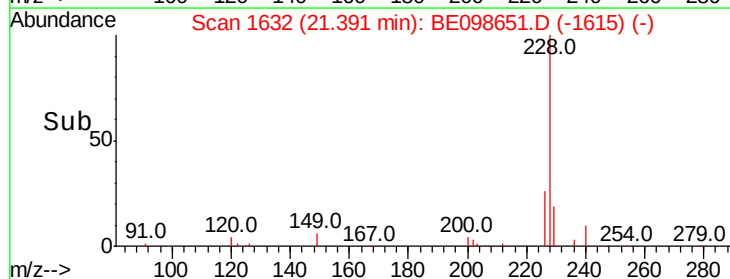
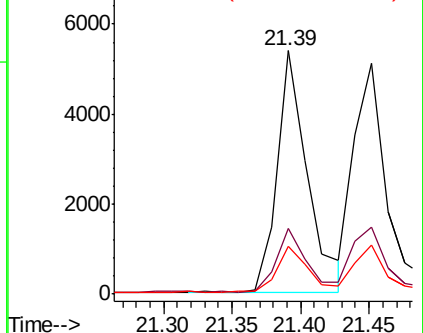
229 19.8 15.0 22.6

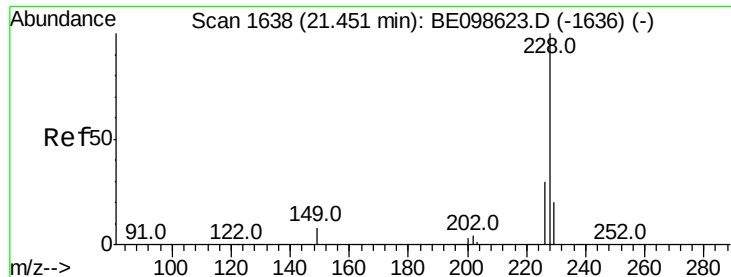


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.342 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

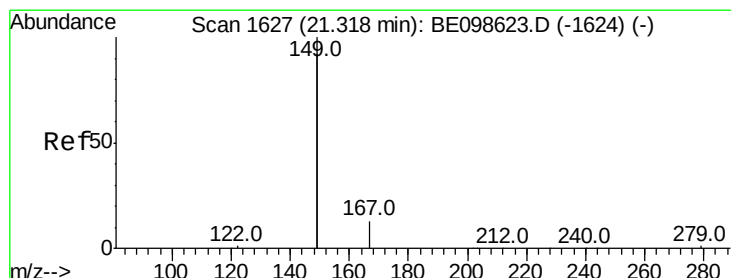
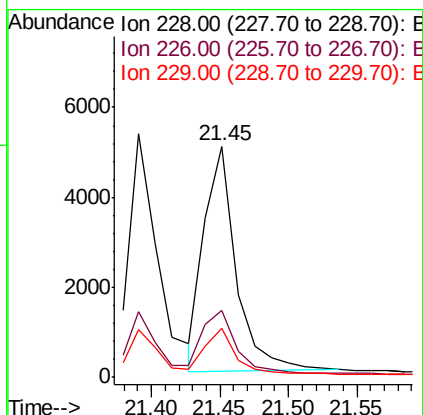
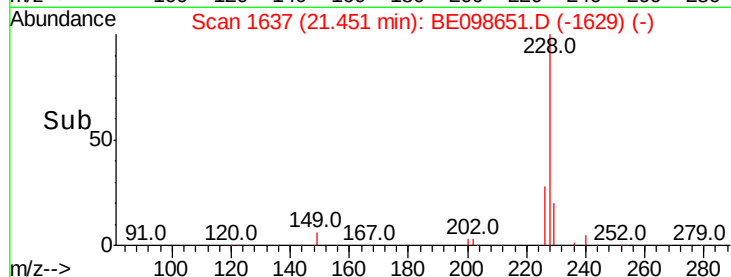
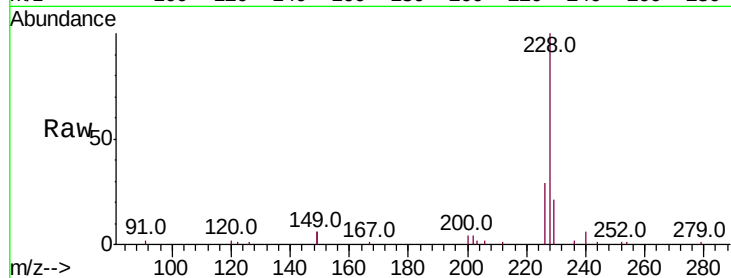
Tot Ion:228 Resp: 8070

Ion Ratio Lower Upper

228 100

226 29.2 24.6 36.8

229 21.2 16.4 24.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.343 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

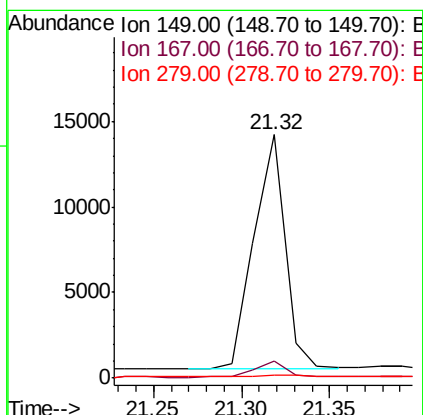
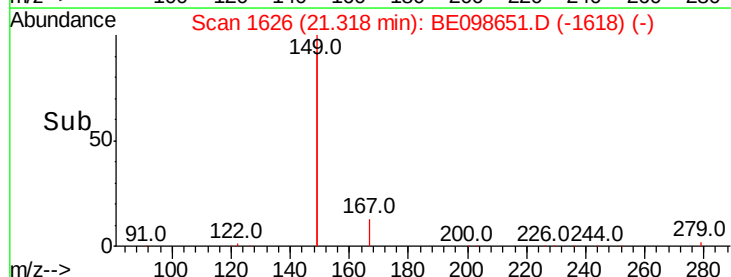
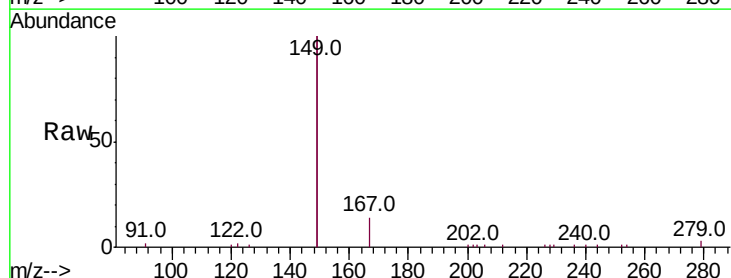
Tgt Ion:149 Resp: 16568

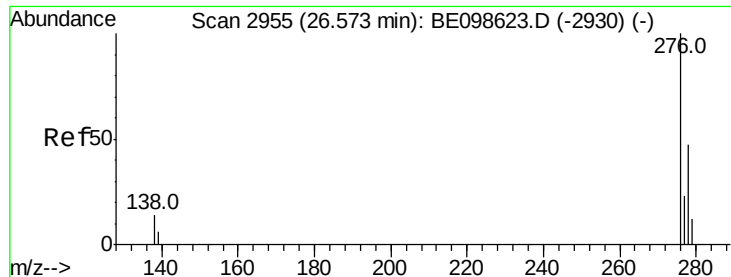
Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.2

279 1.2 1.0 1.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng

RT: 26.57 min Scan# 2954

Delta R.T. 0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

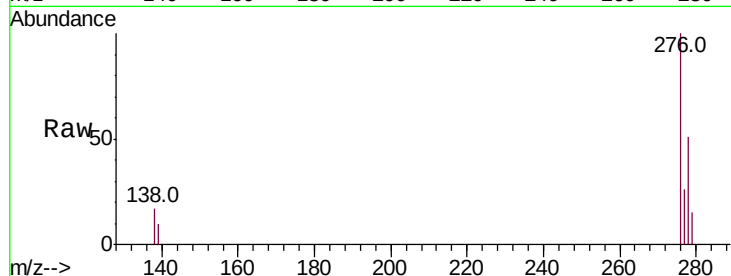
Tot Ion:276 Resp: 8873

Ion Ratio Lower Upper

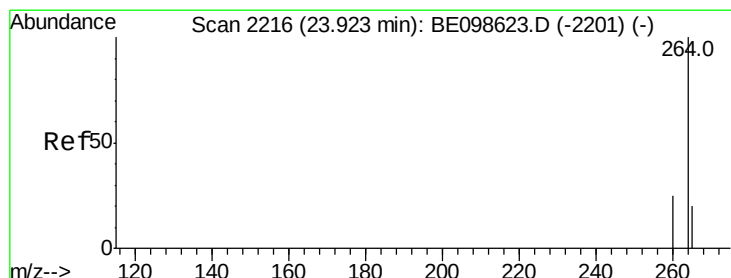
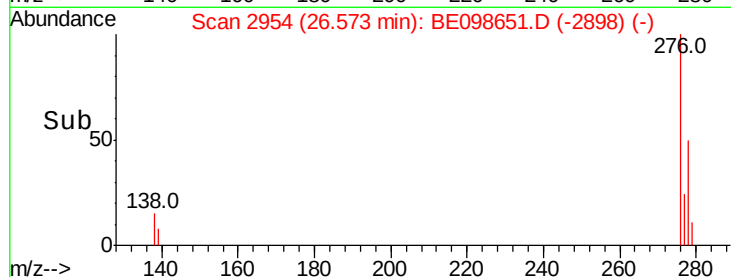
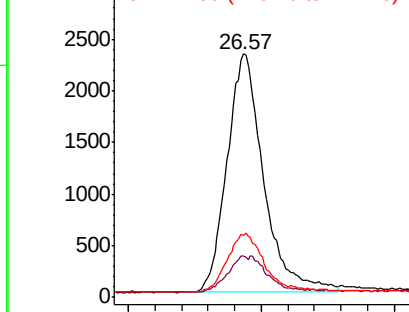
276 100

138 8.2 13.3 19.9#

277 24.7 19.4 29.0



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: 23.92 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

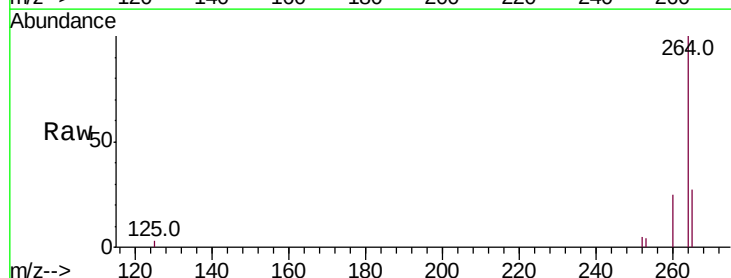
Tgt Ion:264 Resp: 8153

Ion Ratio Lower Upper

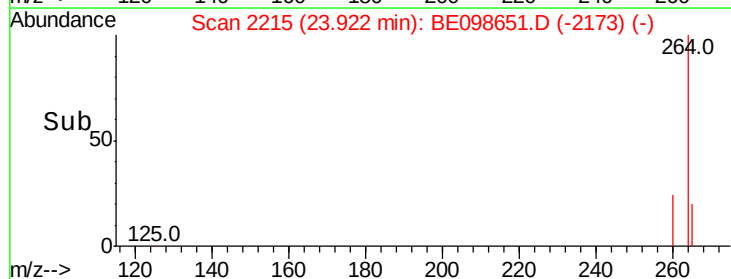
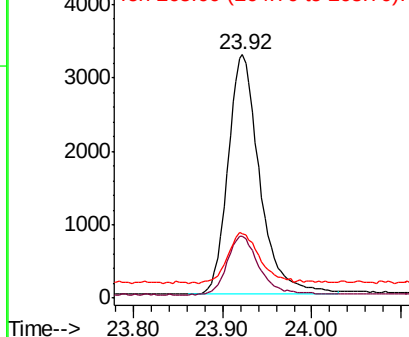
264 100

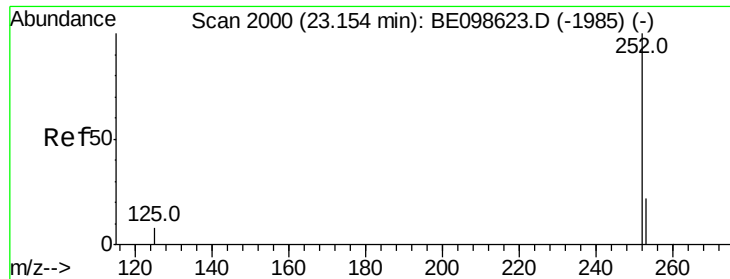
260 25.3 20.5 30.7

265 26.5 22.3 33.5



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: 0.349 ng

RT: 23.15 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

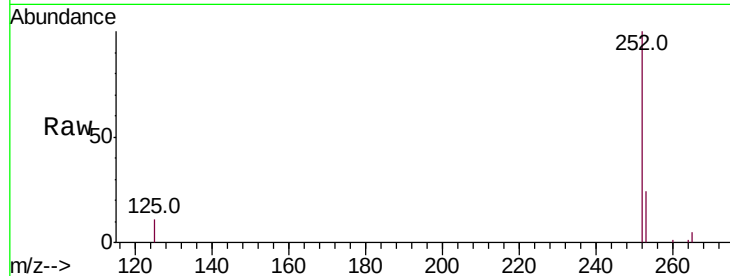
Tot Ion:252 Resp: 7765

Ion Ratio Lower Upper

252 100

253 24.5 19.4 29.0

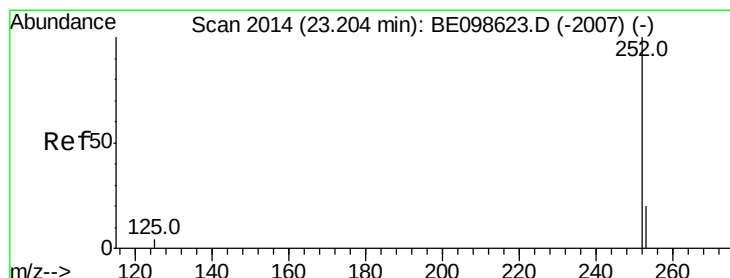
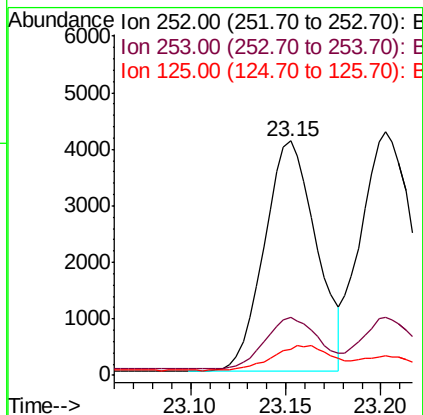
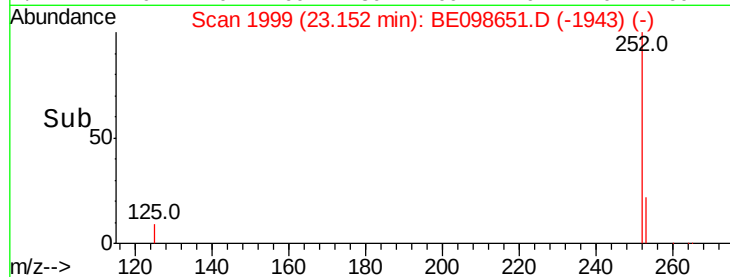
125 11.3 8.2 12.4



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



#36

Benzo(k)fluoranthene

Concen: 0.361 ng

RT: 23.20 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

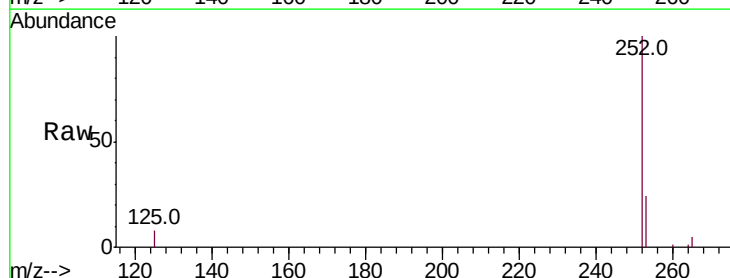
Tgt Ion:252 Resp: 8783

Ion Ratio Lower Upper

252 100

253 23.9 19.0 28.4

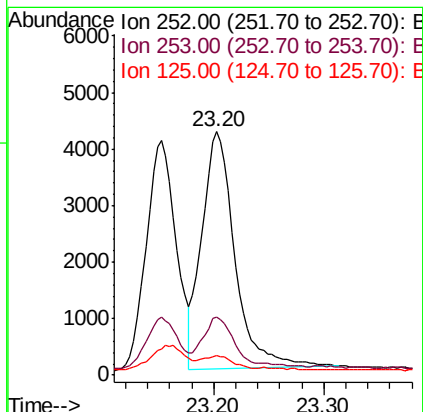
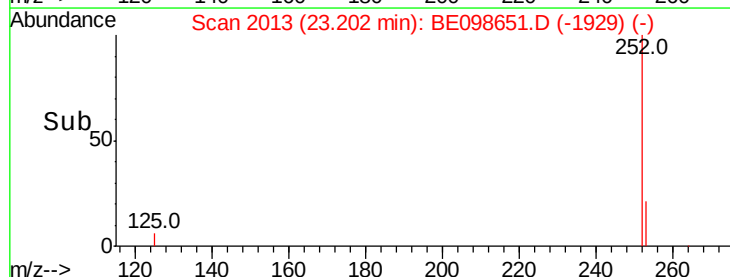
125 7.9 7.0 10.4

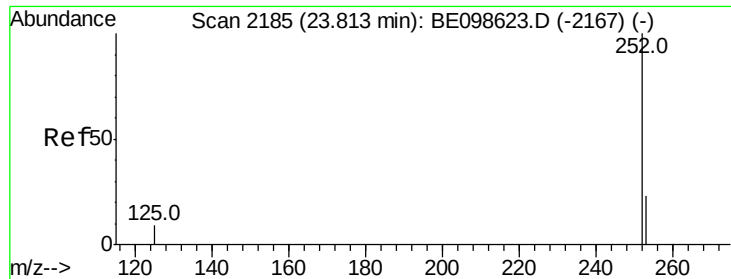


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.355 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

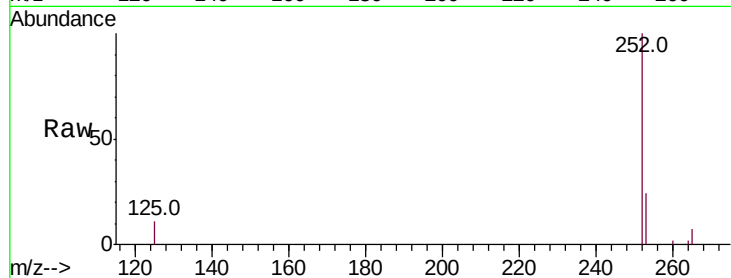
Tot Ion:252 Resp: 7764

Ion Ratio Lower Upper

252 100

253 24.5 21.0 31.4

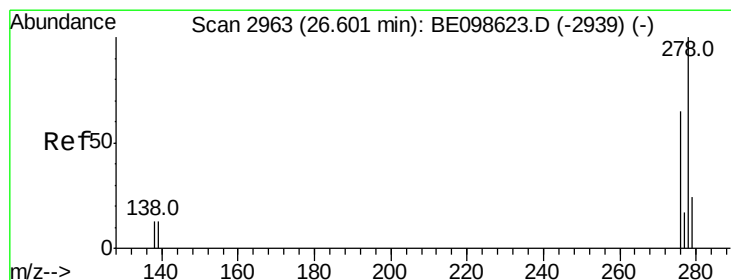
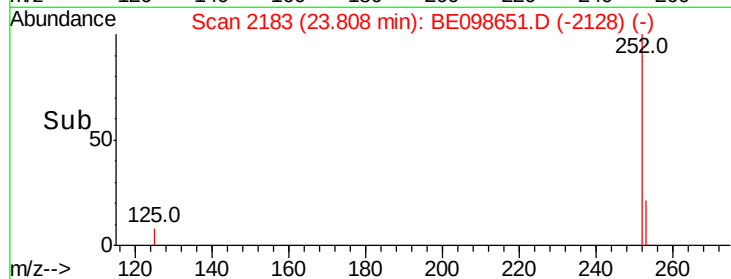
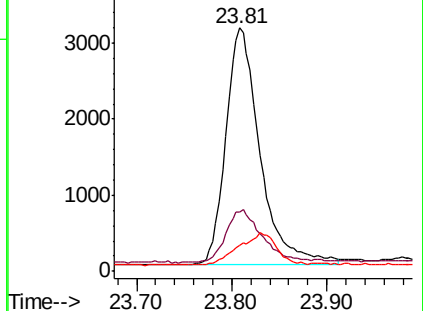
125 10.5 9.2 13.8



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: 0.371 ng

RT: 26.60 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

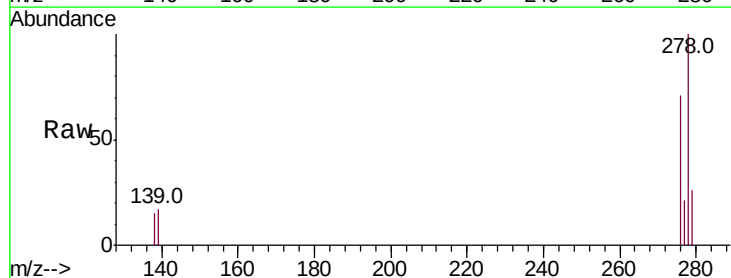
Tgt Ion:278 Resp: 7181

Ion Ratio Lower Upper

278 100

139 16.8 12.7 19.1

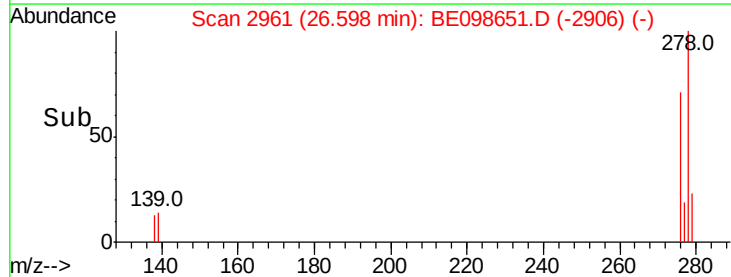
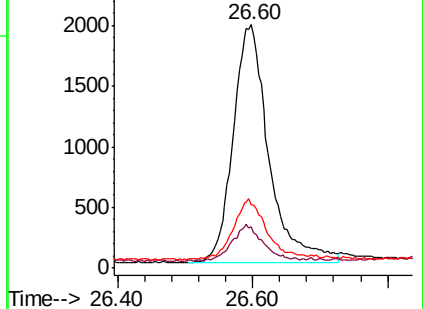
279 26.1 22.0 33.0

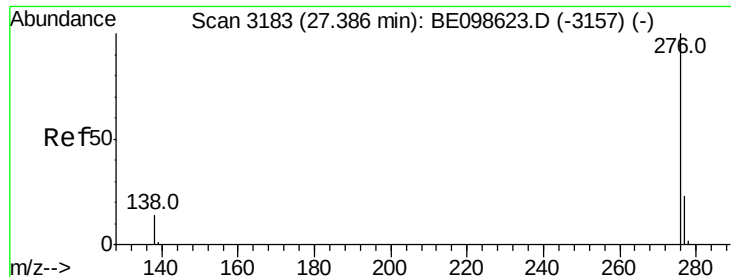


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.359 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE098651.D

Acq: 17 Jan 2019 16:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

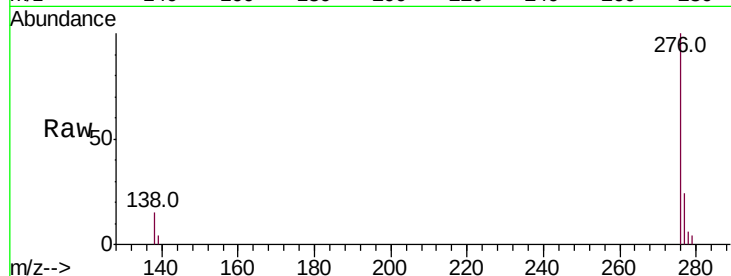
Tot Ion:276 Resp: 7619

Ion Ratio Lower Upper

276 100

277 24.4 20.3 30.5

138 15.2 13.3 19.9



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

