

Data File : BE098639.D
Acq On : 16 Jan 2019 19:40
Operator : SJ/JU
Sample : PB116433BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Quant Time: Jan 17 00:16:39 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	7.81	152	1012	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	4011	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2286	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	4926	0.40	ng	0.00
27) Chrysene-d12	21.42	240	6411	0.40	ng	0.00
34) Perylene-d12	23.93	264	6812	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	645	0.24	ng	0.02
5) Phenol-d6	7.00	99	887	0.23	ng	0.00
8) Nitrobenzene-d5	8.98	82	754	0.24	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	1679	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	209	0.21	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	1947	0.21	ng	0.01
25) Fluoranthene-d10	19.26	212	14733	0.24	ng	0.00
29) Terphenyl-d14	19.86	244	2689	0.19	ng	0.00

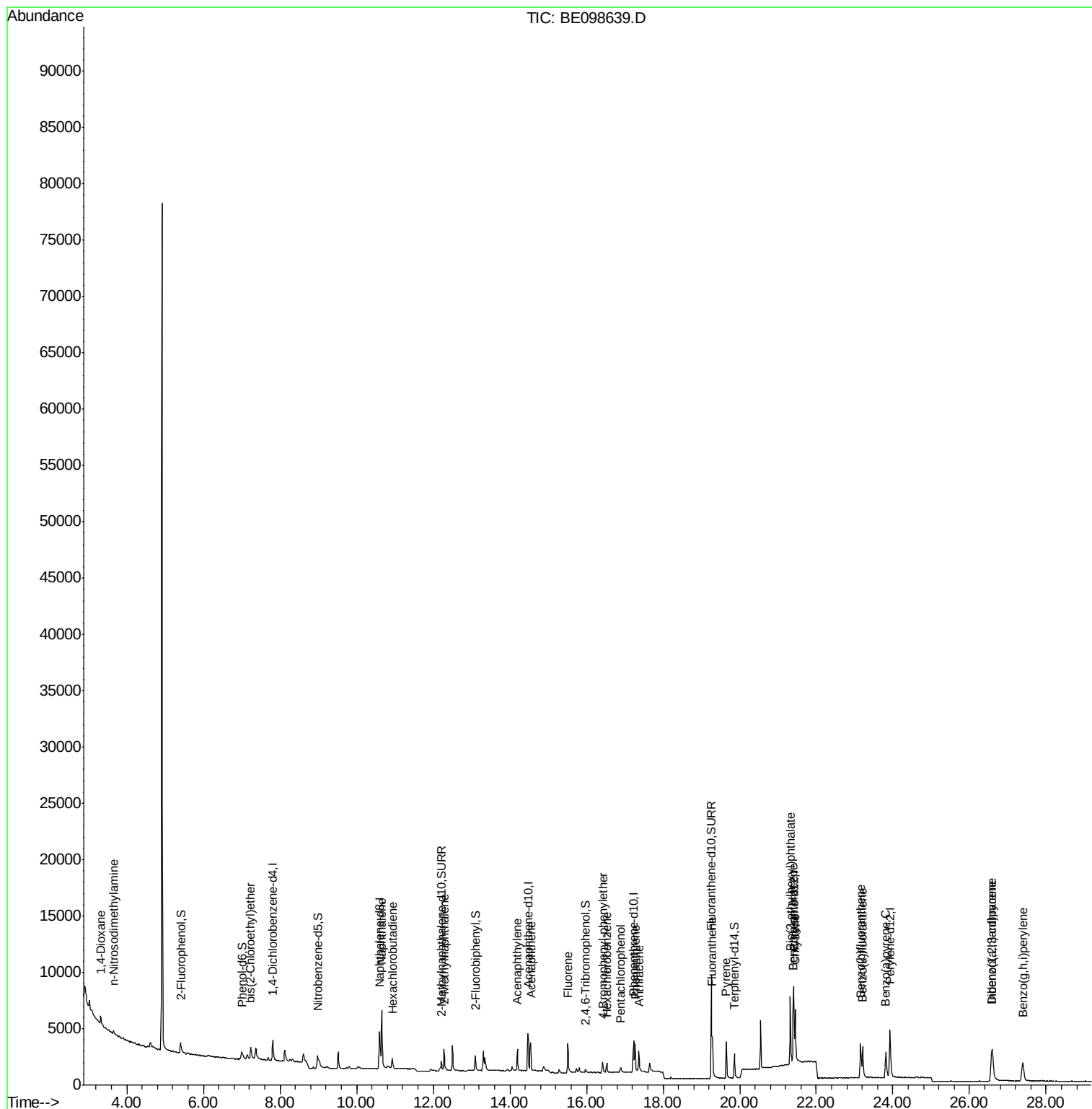
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.33	88	370	0.165	ng	# 72
3) n-Nitrosodimethylamine	3.65	42	415	0.321	ng	# 99
6) bis(2-Chloroethyl)ether	7.23	93	582	0.200	ng	98
9) Naphthalene	10.65	128	9736	0.244	ng	99
10) Hexachlorobutadiene	10.94	225	663	0.232	ng	94
12) 2-Methylnaphthalene	12.28	142	1494	0.226	ng	96
16) Acenaphthylene	14.20	152	2357	0.238	ng	100
17) Acenaphthene	14.54	154	1406	0.226	ng	100
18) Fluorene	15.51	166	1843	0.228	ng	97
20) 4-Bromophenyl-phenylether	16.42	248	577	0.221	ng	# 83
21) Hexachlorobenzene	16.53	284	703	0.223	ng	96
22) Pentachlorophenol	16.89	266	344	0.468	ng	91
23) Phenanthrene	17.27	178	2760	0.236	ng	98
24) Anthracene	17.36	178	2293	0.229	ng	98
26) Fluoranthene	19.29	202	3539	0.236	ng	99
28) Pyrene	19.65	202	3633	0.206	ng	99
30) Benzo(a)anthracene	21.39	228	4200	0.244	ng	97
31) Chrysene	21.45	228	4408	0.247	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	6536	0.179	ng	100
33) Indeno(1,2,3-cd)pyrene	26.58	276	5259	0.285	ng	99
35) Benzo(b)fluoranthene	23.15	252	4403	0.237	ng	99
36) Benzo(k)fluoranthene	23.21	252	4855	0.239	ng	95
37) Benzo(a)pyrene	23.81	252	4576	0.251	ng	99
38) Dibenzo(a,h)anthracene	26.60	278	4151	0.257	ng	97
39) Benzo(g,h,i)perylene	27.39	276	4715	0.266	ng	97

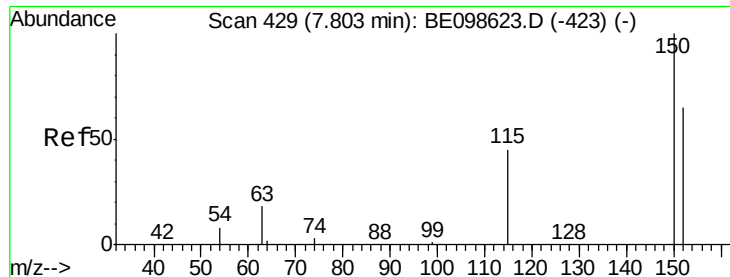
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. 0.00 min

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Instrument :

BNA_E

ClientSampleId :

PB116433BSD

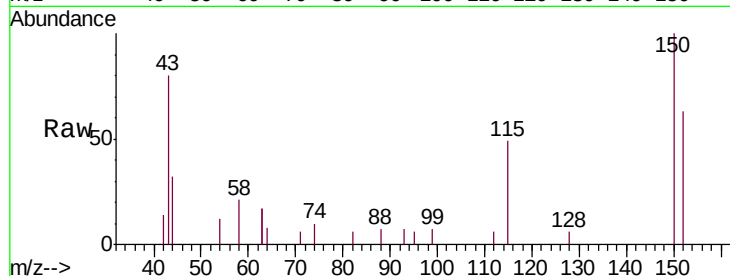
Tgt Ion:152 Resp: 1012

Ion Ratio Lower Upper

152 100

150 157.6 121.4 182.2

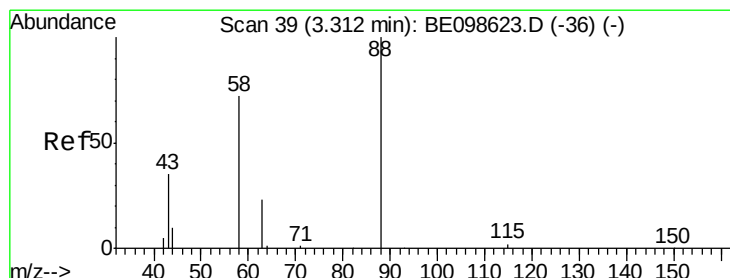
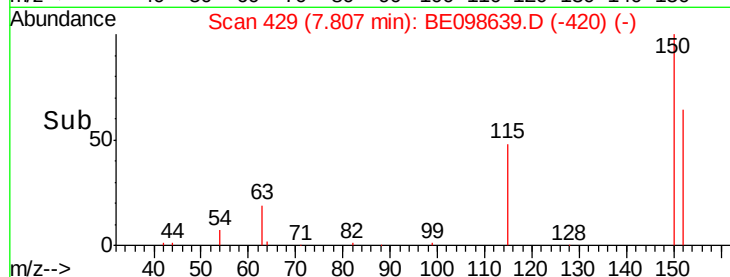
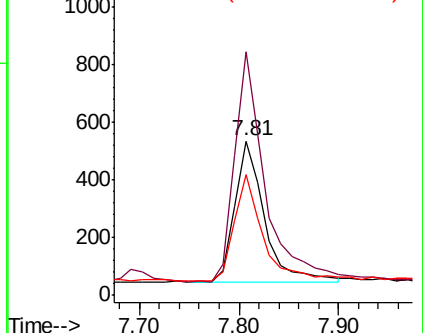
115 77.9 59.1 88.7



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: 0.165 ng

RT: 3.33 min Scan# 40

Delta R.T. 0.02 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

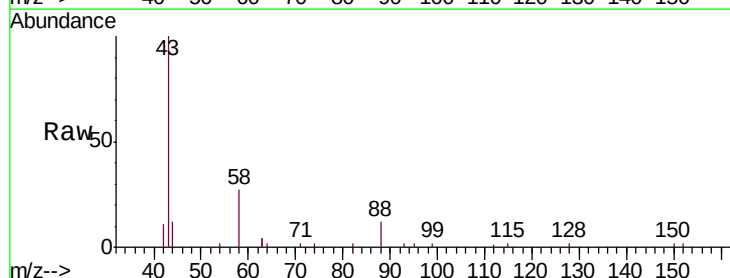
Tgt Ion: 88 Resp: 370

Ion Ratio Lower Upper

88 100

58 84.9 73.9 110.9

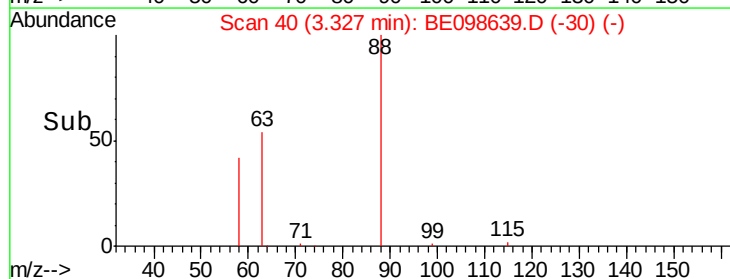
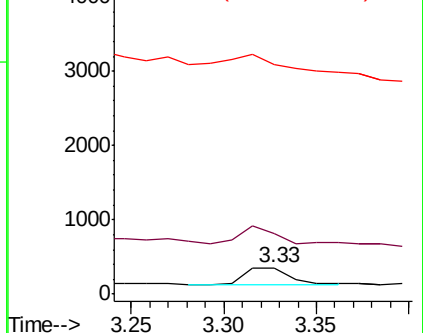
43 99.7 43.7 65.5#

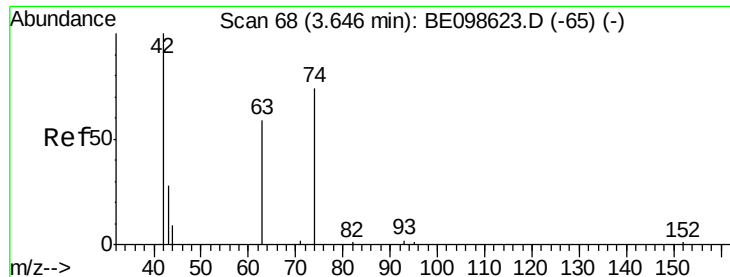


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.321 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

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Instrument :

BNA_E

ClientSampleId :

PB116433BSD

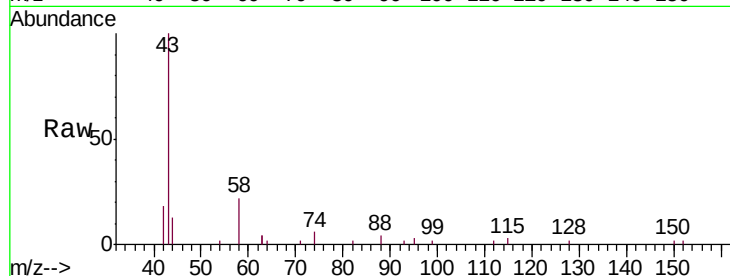
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

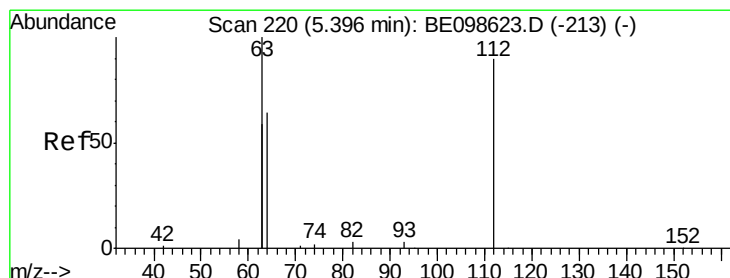
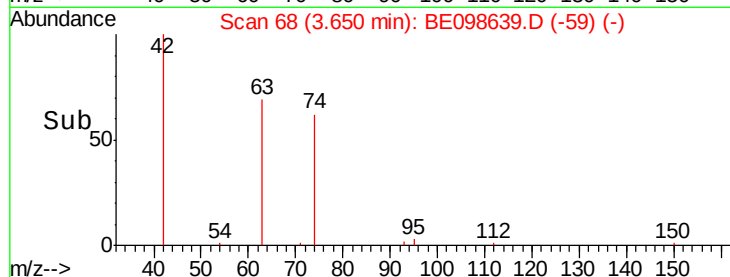
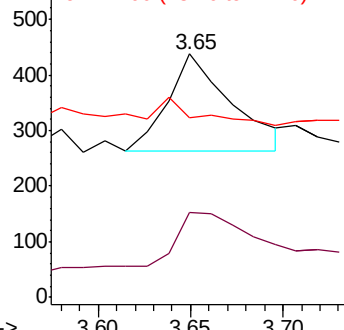
42 100

74 72.5 58.9 88.3

44 21.0 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: 0.239 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

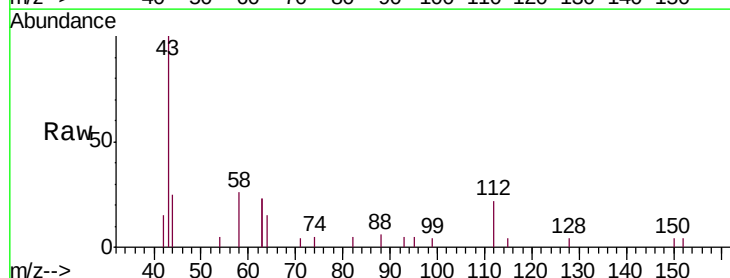
Tgt Ion: 112 Resp: 645

Ion Ratio Lower Upper

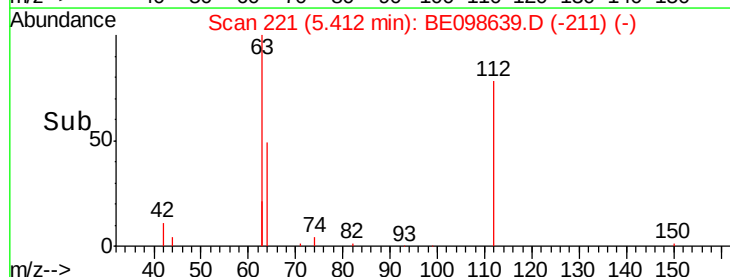
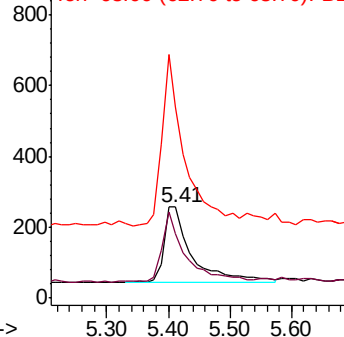
112 100

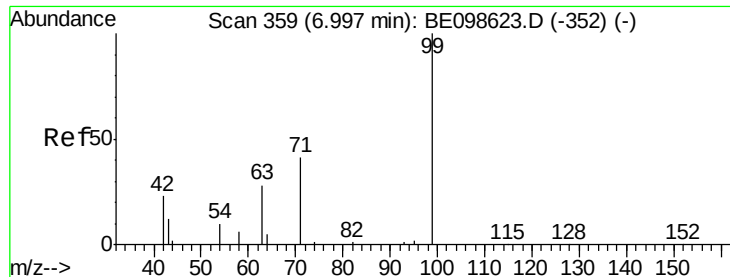
64 78.6 62.9 94.3

63 191.6 152.2 228.4



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: 0.231 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

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PB116433BSD

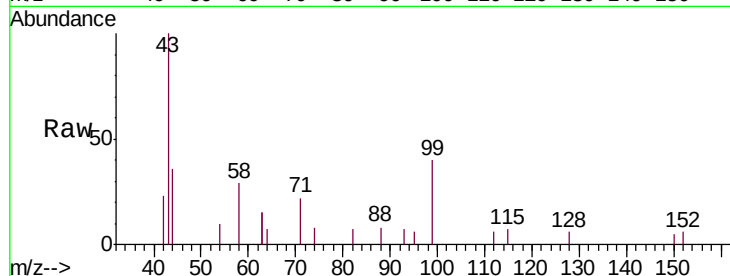
Tgt Ion: 99 Resp: 887

Ion Ratio Lower Upper

99 100

42 40.4 24.6 37.0#

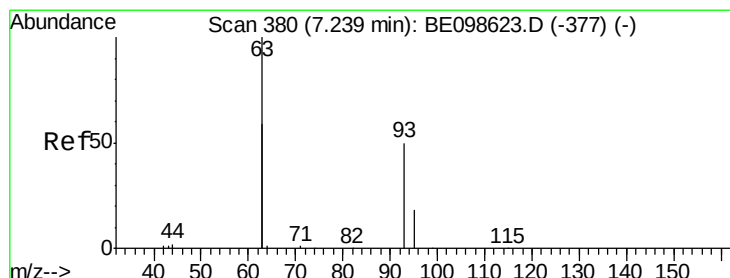
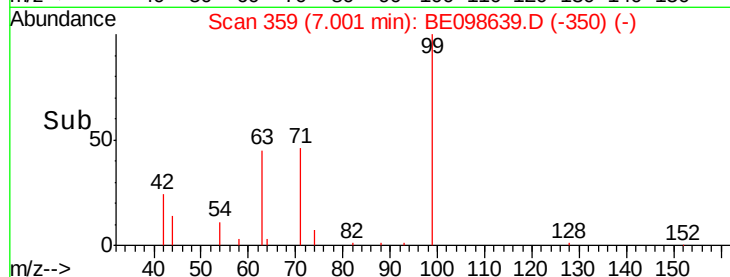
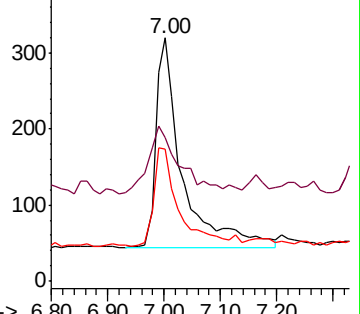
71 44.3 35.1 52.7



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



#6

bis(2-Chloroethyl)ether

Concen: 0.200 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

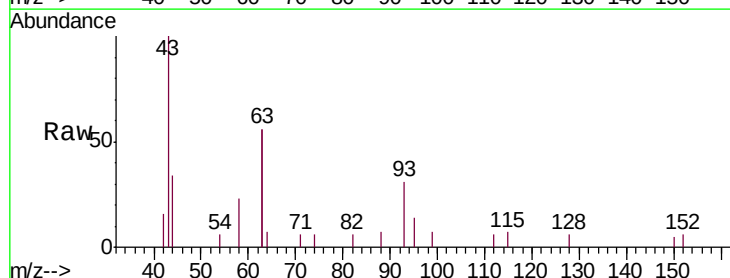
Tgt Ion: 93 Resp: 582

Ion Ratio Lower Upper

93 100

63 330.8 267.3 400.9

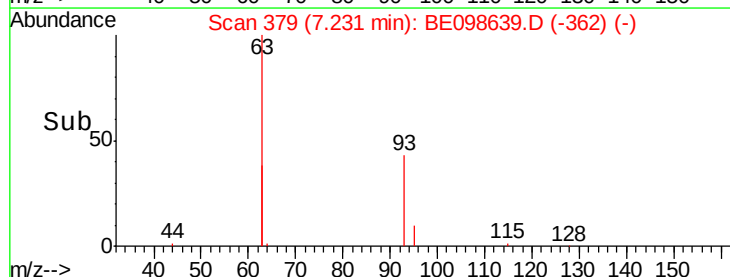
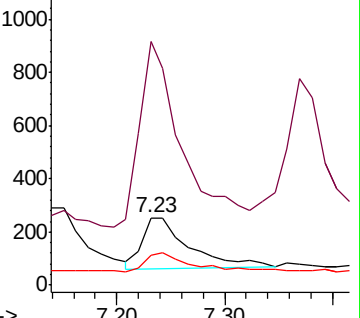
95 36.9 26.2 39.4

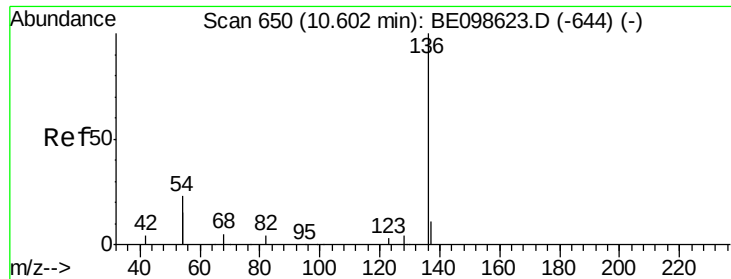


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

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ClientSampleId :

PB116433BSD

Tgt Ion:136 Resp: 4011

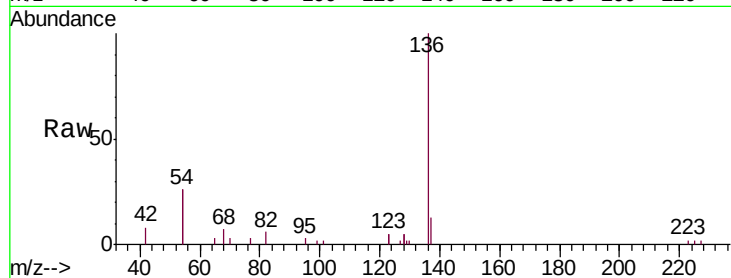
Ion Ratio Lower Upper

136 100

137 12.8 9.7 14.5

54 52.6 35.5 53.3

68 7.1 5.0 7.6

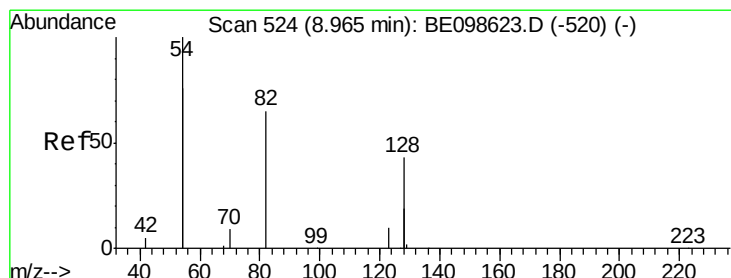
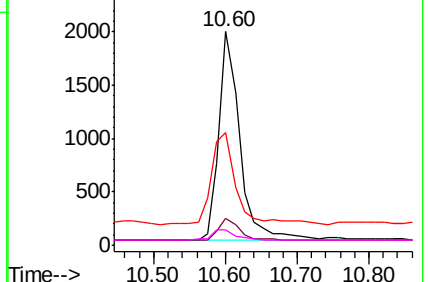
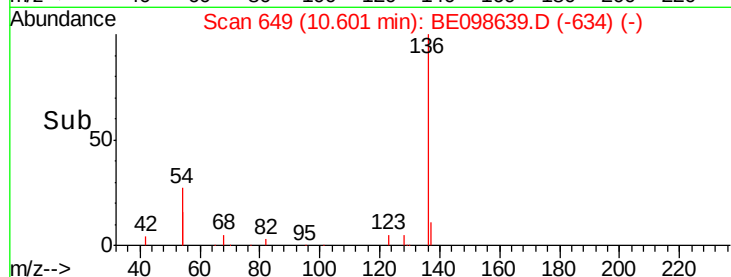


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.237 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

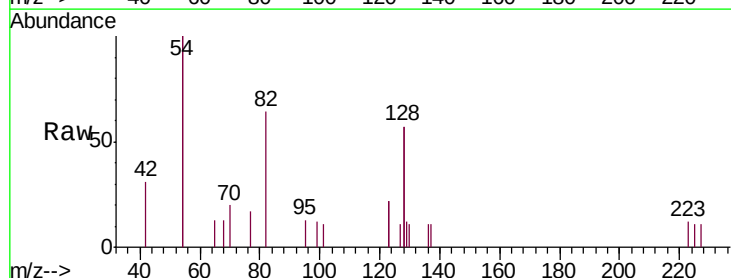
Tgt Ion: 82 Resp: 754

Ion Ratio Lower Upper

82 100

128 179.4 96.5 144.7#

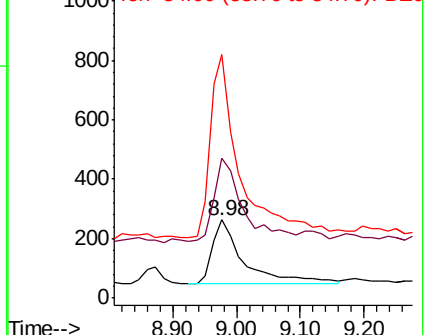
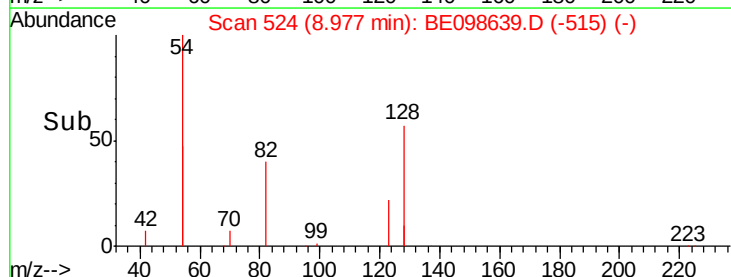
54 313.0 224.7 337.1

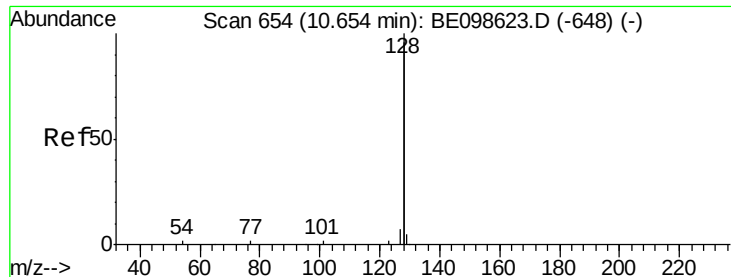


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.244 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

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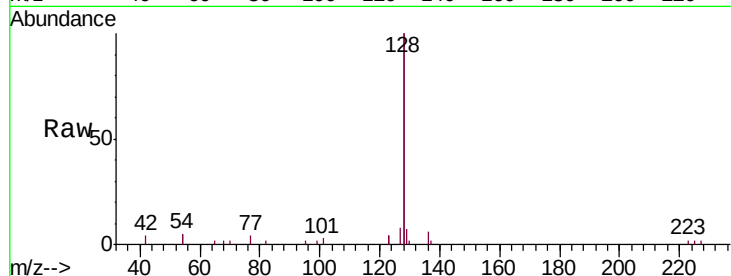
Tgt Ion:128 Resp: 9736

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

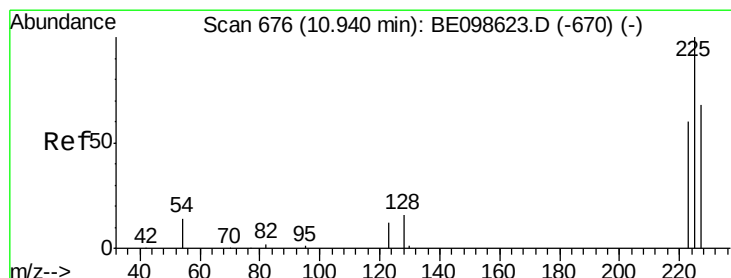
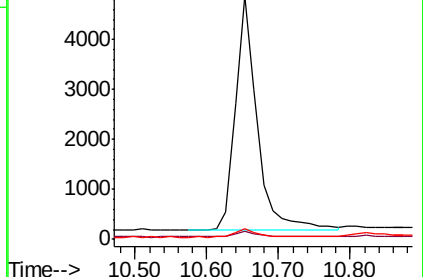
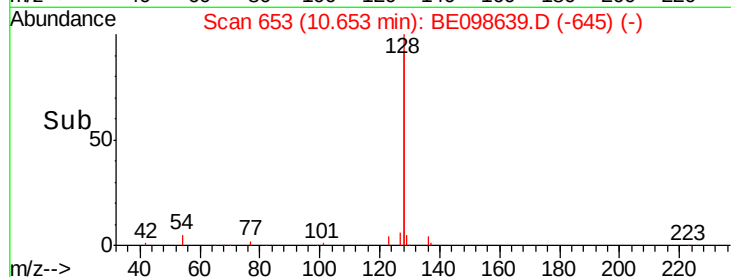
127 4.2 3.0 4.6



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: 0.232 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

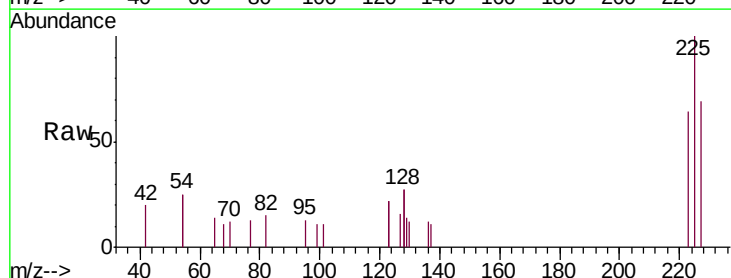
Tgt Ion:225 Resp: 663

Ion Ratio Lower Upper

225 100

223 65.9 47.8 71.8

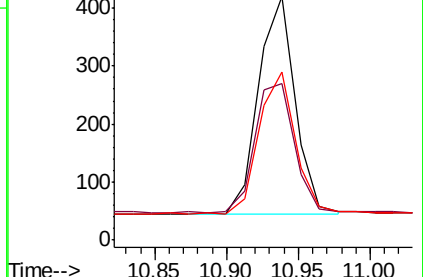
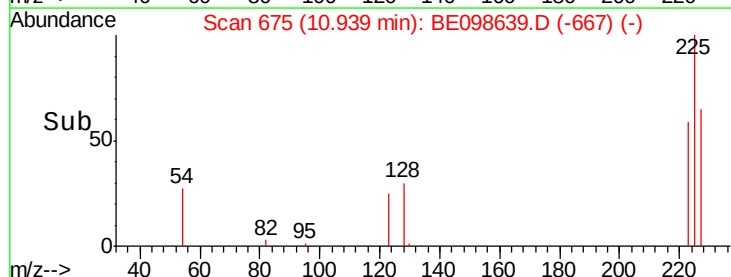
227 66.2 50.5 75.7

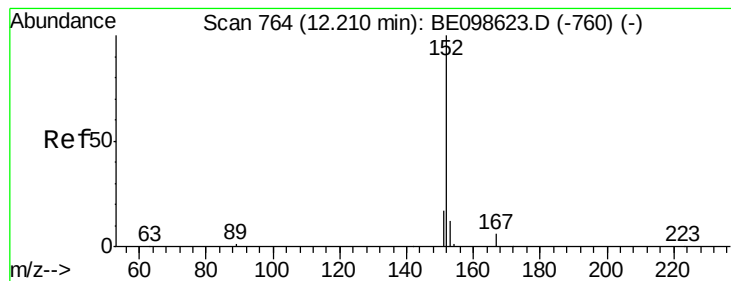


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.254 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

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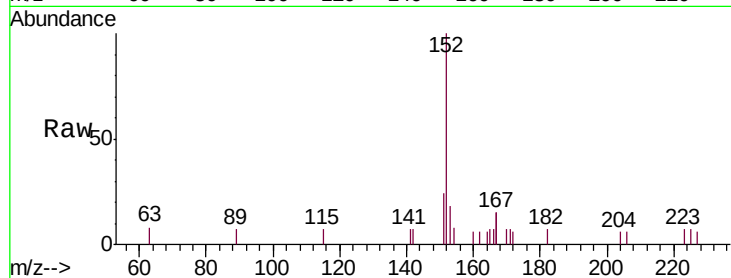
PB116433BSD

Tgt Ion:152 Resp: 1679

Ion Ratio Lower Upper

152 100

151 17.9 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

800

600

400

200

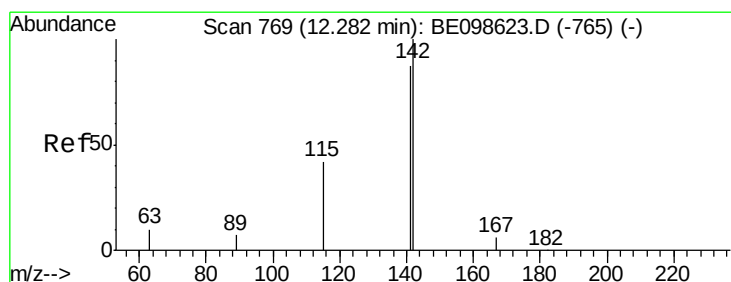
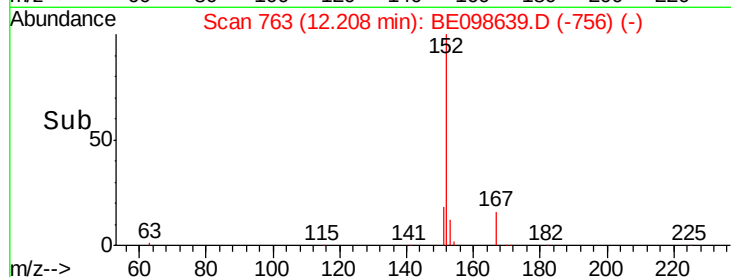
0

12.21

12.20

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.226 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

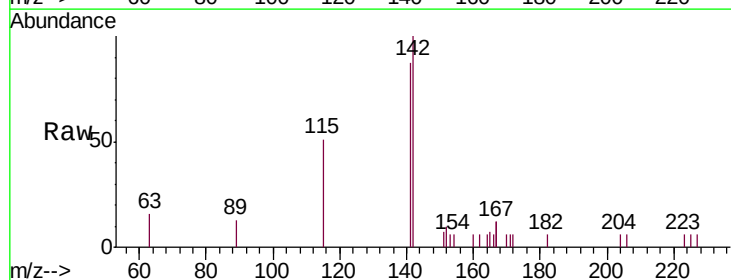
Tgt Ion:142 Resp: 1494

Ion Ratio Lower Upper

142 100

141 87.2 70.0 105.0

115 50.7 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

1000

800

600

400

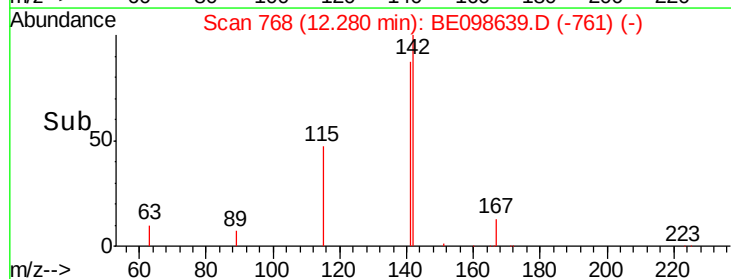
200

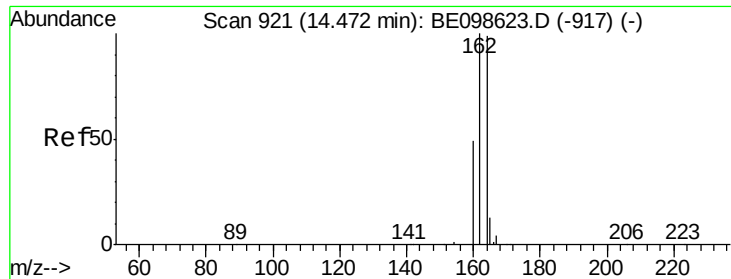
0

12.28

12.30

Time-->

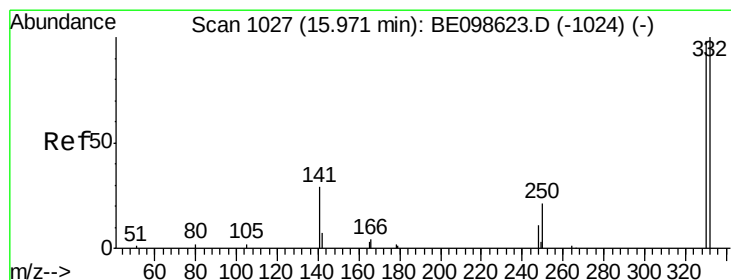
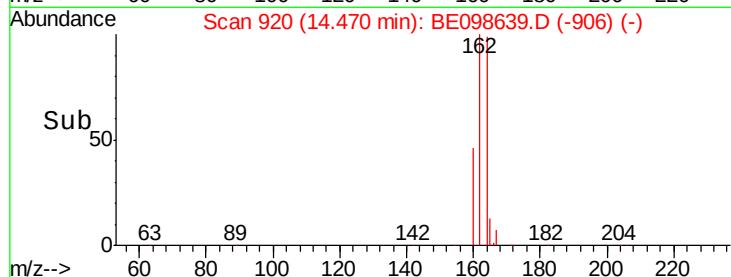
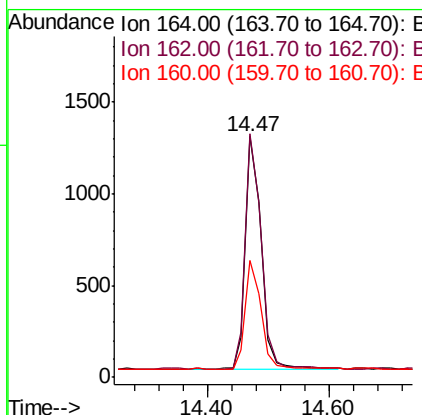
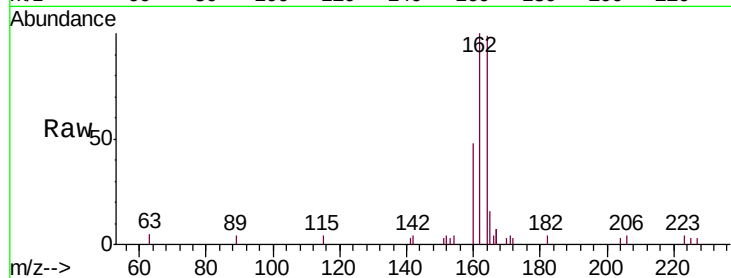




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE098639.D
 Acq: 16 Jan 2019 19:40

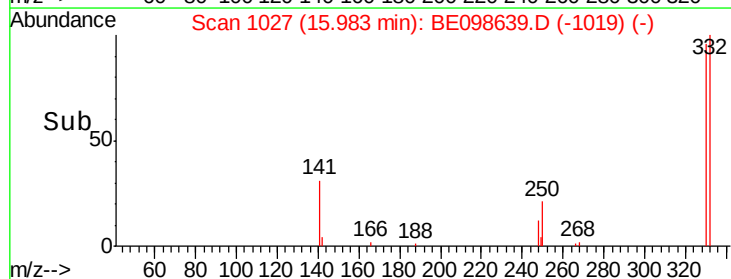
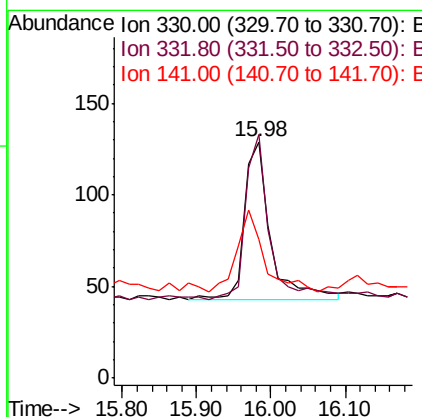
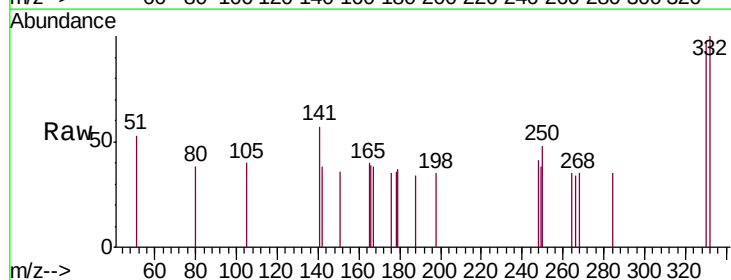
Instrument :
 BNA_E
 ClientSampleId :
 PB116433BSD

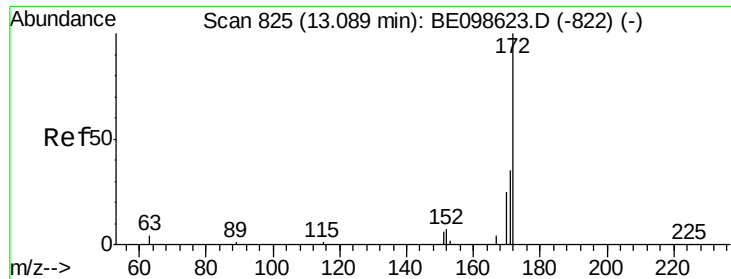
Tgt Ion:164 Resp: 2286
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.5 120.7
 160 48.6 40.1 60.1



#14
 2,4,6-Tribromophenol
 Concen: 0.210 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE098639.D
 Acq: 16 Jan 2019 19:40

Tgt Ion:330 Resp: 209
 Ion Ratio Lower Upper
 330 100
 332 98.6 73.3 109.9
 141 54.5 33.1 49.7#

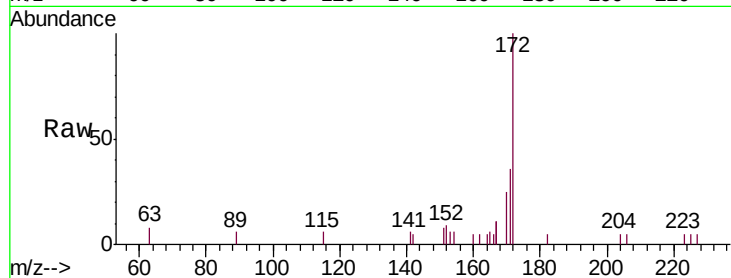




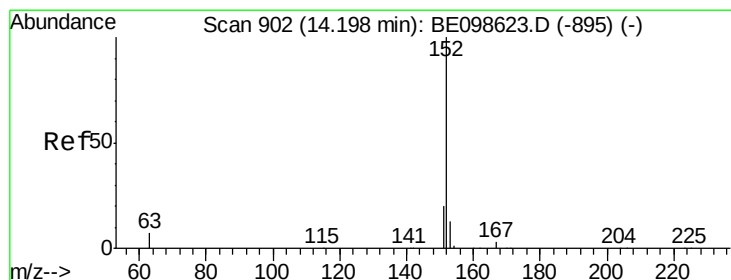
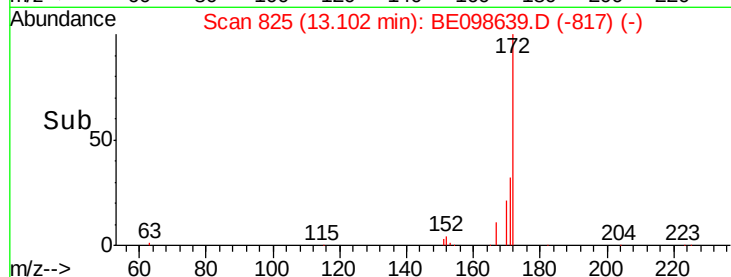
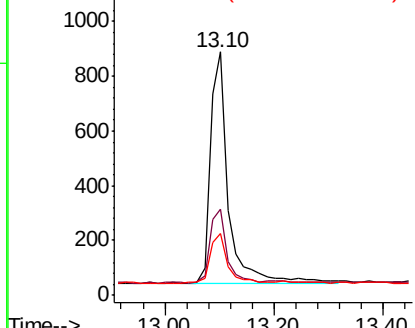
#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:172 Resp: 1947
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 25.2 20.8 31.2

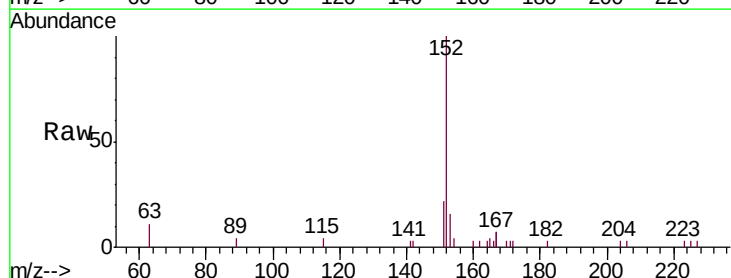


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

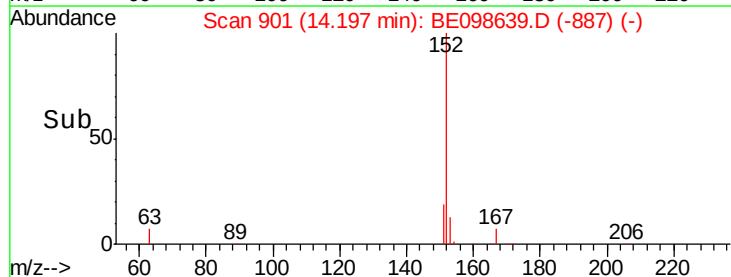
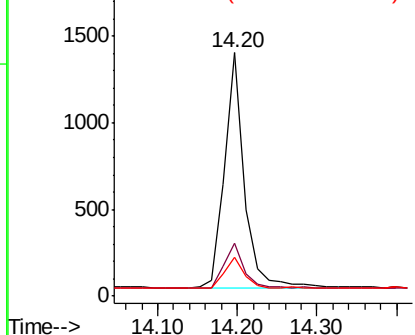


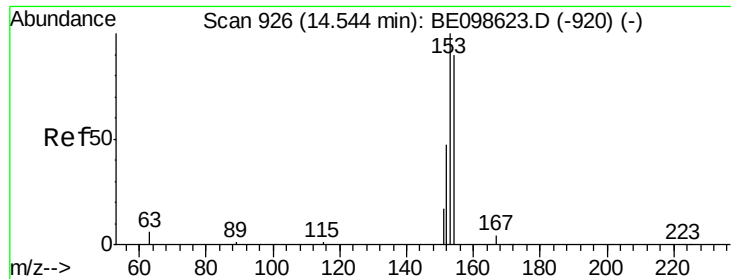
#16
Acenaphthylene
Concen: 0.238 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:152 Resp: 2357
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 12.9 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

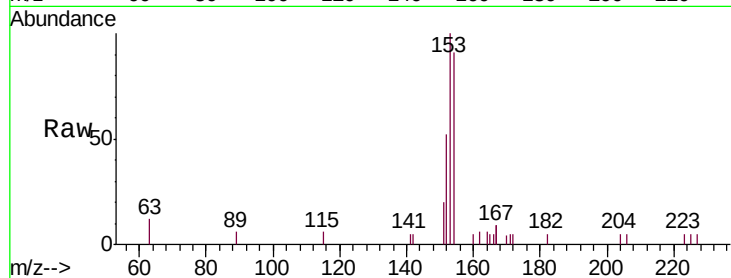




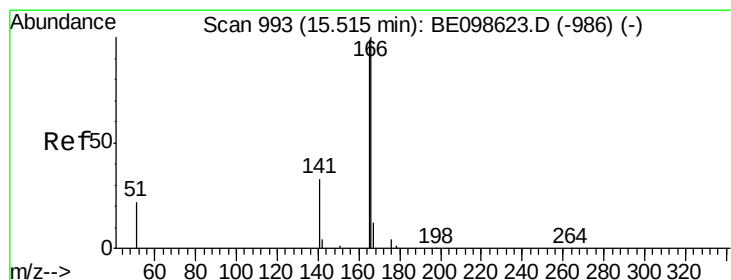
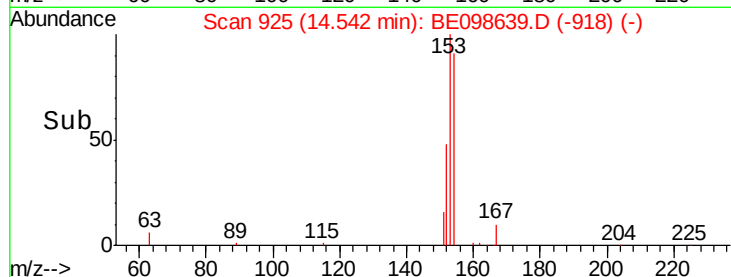
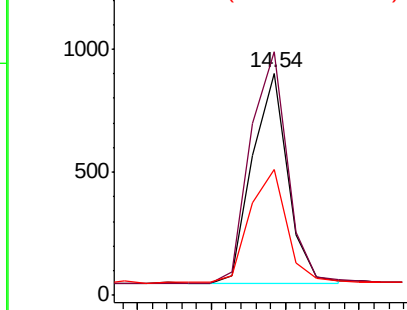
#17
Acenaphthene
Concen: 0.226 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:154 Resp: 1406
Ion Ratio Lower Upper
154 100
153 117.0 93.9 140.9
152 56.9 45.8 68.8

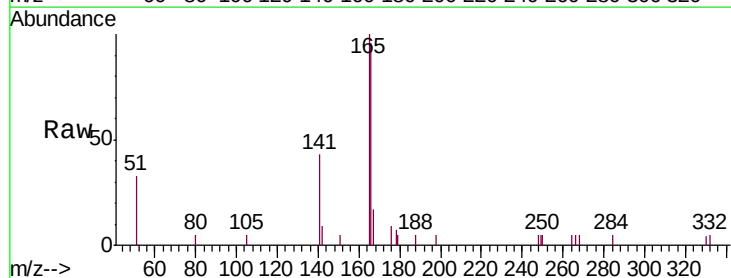


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

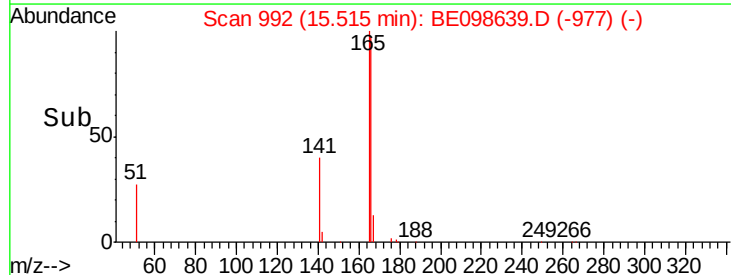
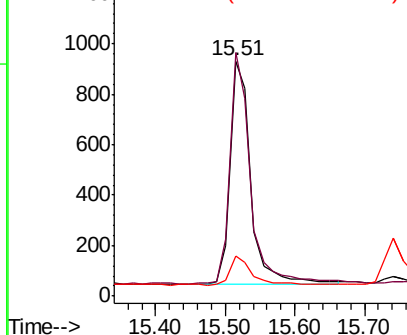


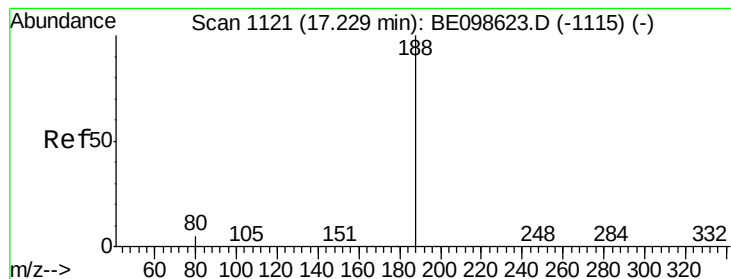
#18
Fluorene
Concen: 0.228 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098639.D
Acq: 16 Jan 2019 19:40

Tgt Ion:166 Resp: 1843
Ion Ratio Lower Upper
166 100
165 102.0 79.3 118.9
167 13.4 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: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

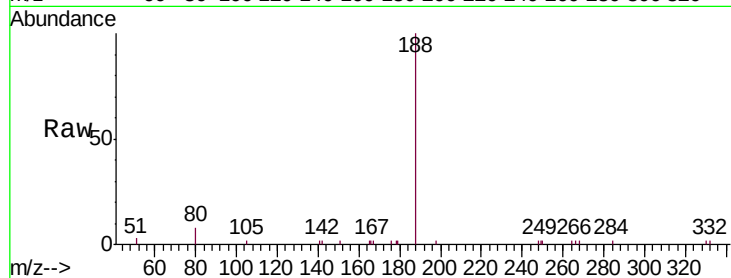
Tgt Ion:188 Resp: 4926

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

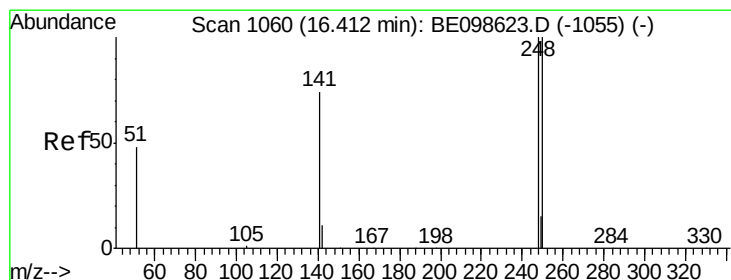
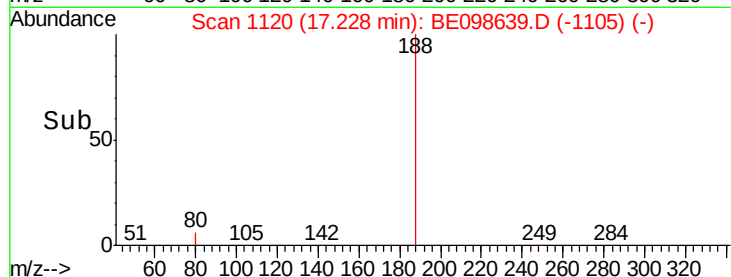
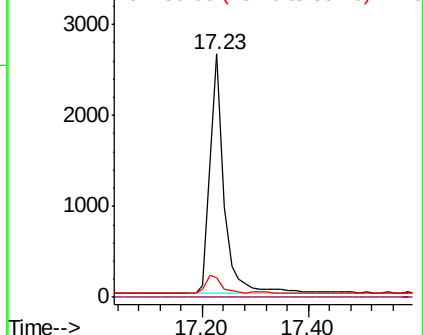
80 8.0 4.7 7.1#



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: 0.221 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

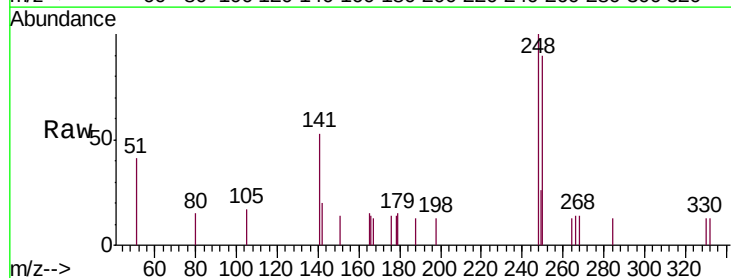
Tgt Ion:248 Resp: 577

Ion Ratio Lower Upper

248 100

250 90.4 80.2 120.4

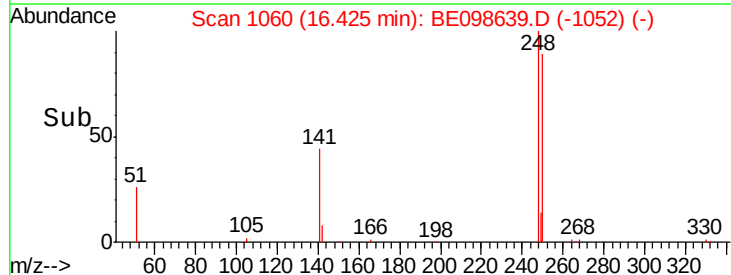
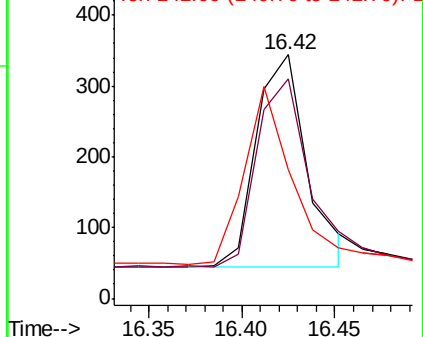
141 52.6 60.5 90.7#

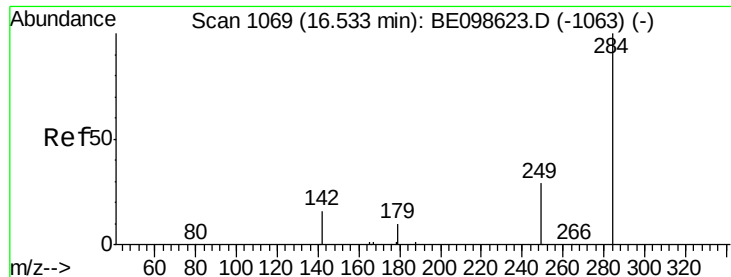


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.223 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

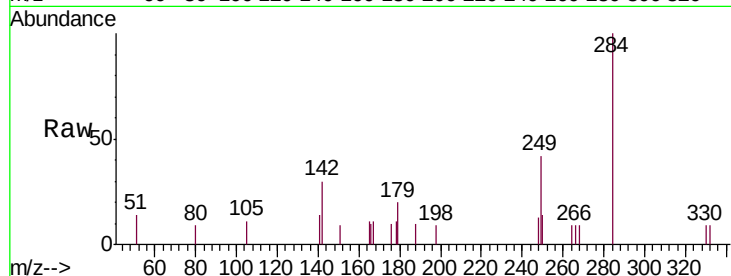
Tgt Ion:284 Resp: 703

Ion Ratio Lower Upper

284 100

142 33.3 25.5 38.3

249 36.1 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

16.53

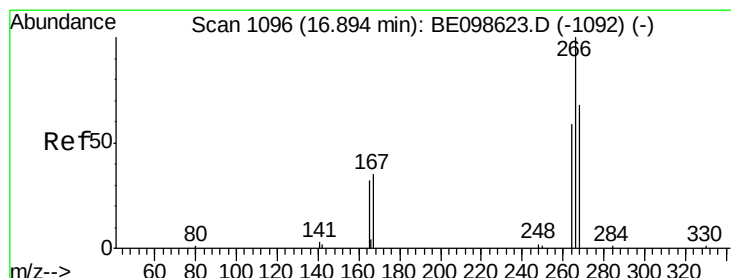
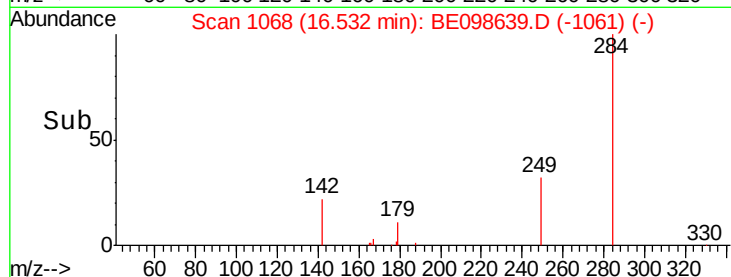
400

200

0

16.45 16.50 16.55 16.60

Time-->



#22

Pentachlorophenol

Concen: 0.468 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

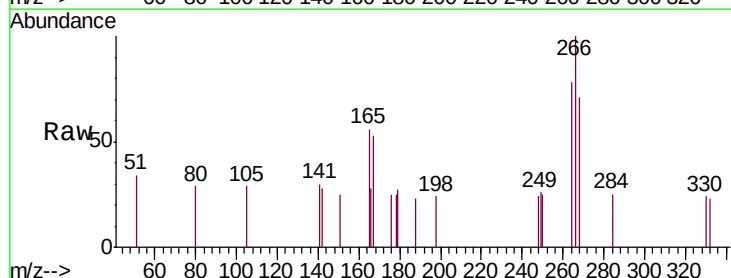
Tgt Ion:266 Resp: 344

Ion Ratio Lower Upper

266 100

264 78.3 53.7 80.5

268 70.9 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

16.89

250

200

150

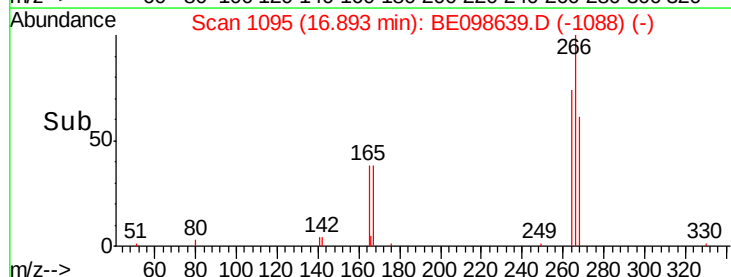
100

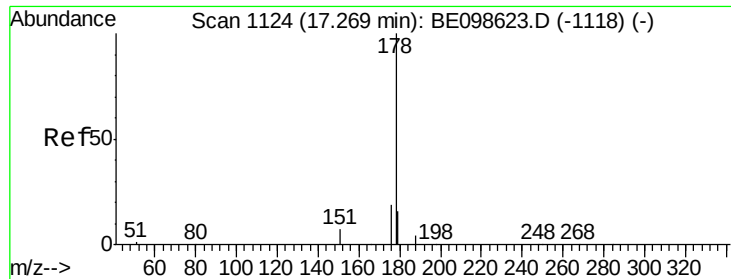
50

0

16.80 16.90 17.00

Time-->





#23

Phenanthrene

Concen: 0.236 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

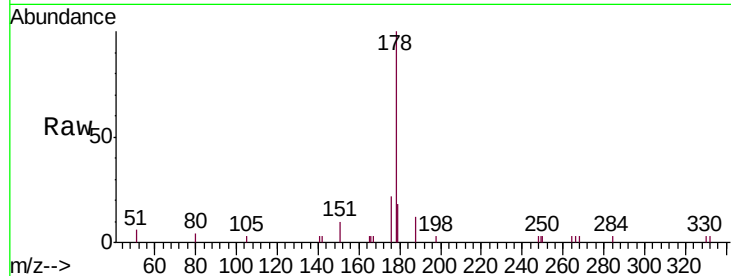
Tgt Ion:178 Resp: 2760

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

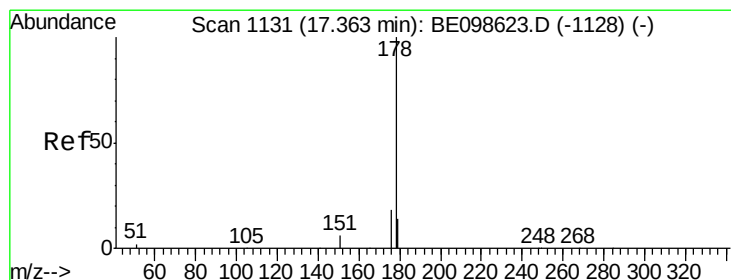
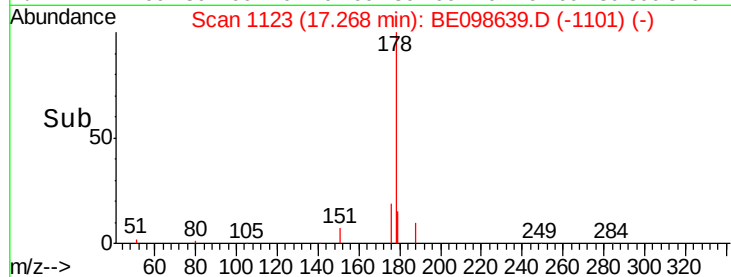
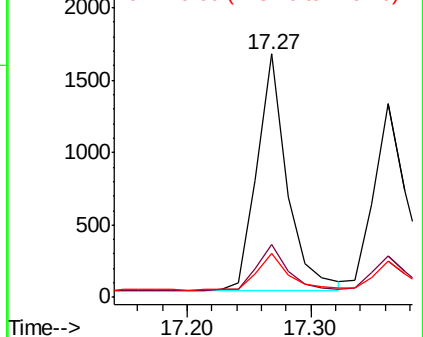
179 16.4 12.2 18.4



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



#24

Anthracene

Concen: 0.229 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

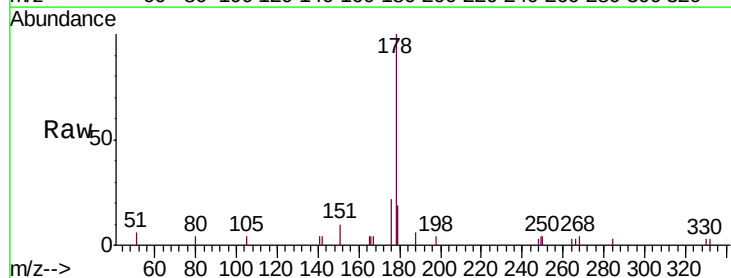
Tgt Ion:178 Resp: 2293

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

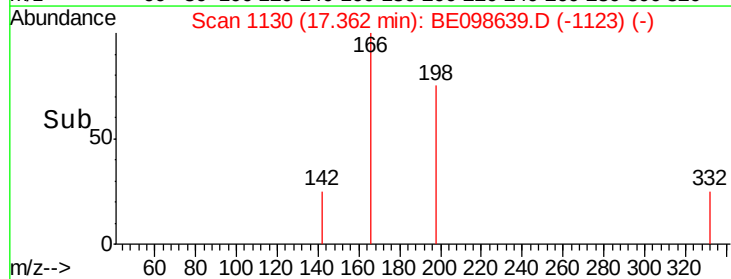
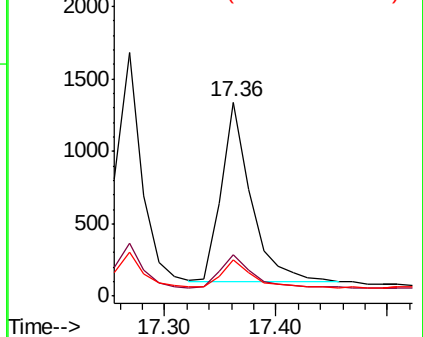
179 15.8 11.8 17.8

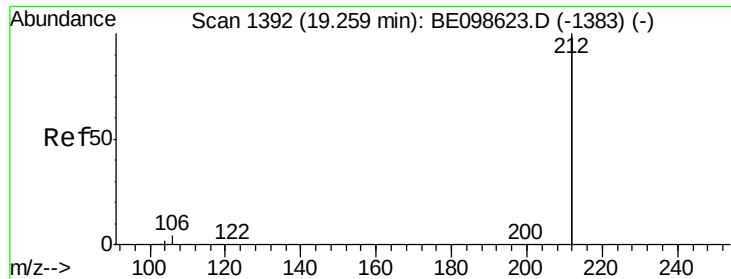


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

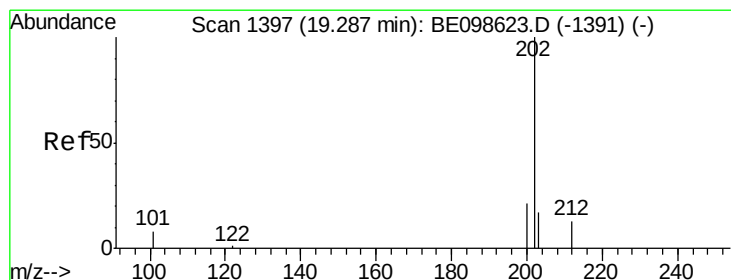
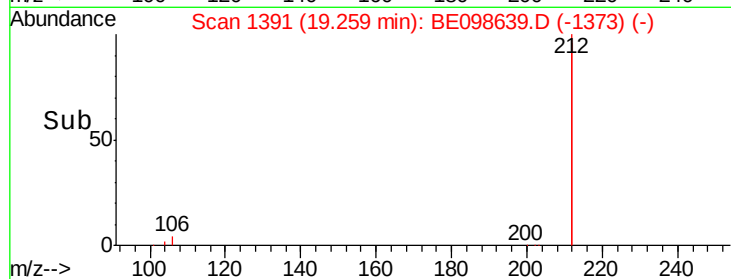
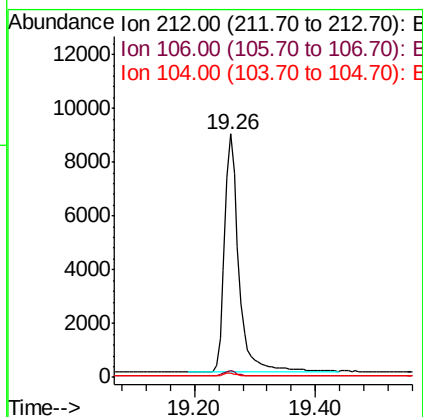
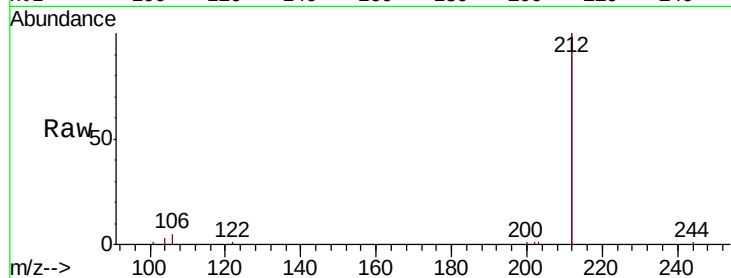




#25
 Fluoranthene-d10
 Concen: 0.241 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BE098639.D
 Acq: 16 Jan 2019 19:40

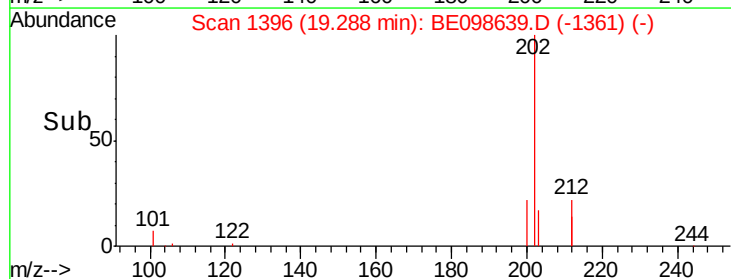
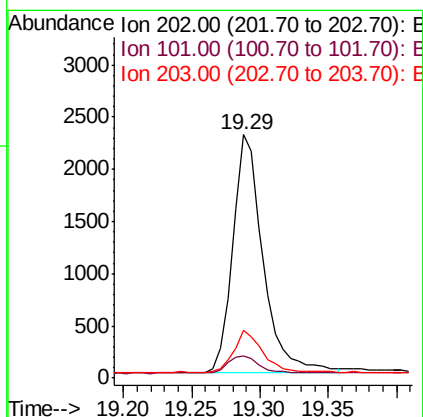
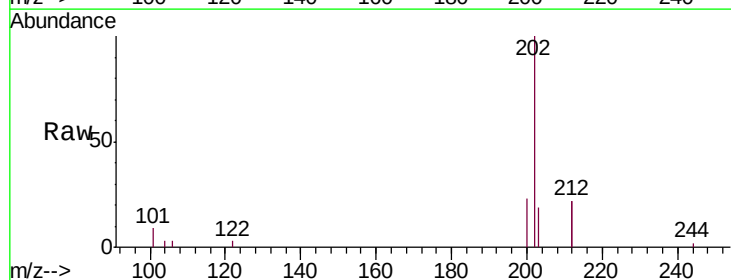
Instrument :
 BNA_E
 ClientSampleId :
 PB116433BSD

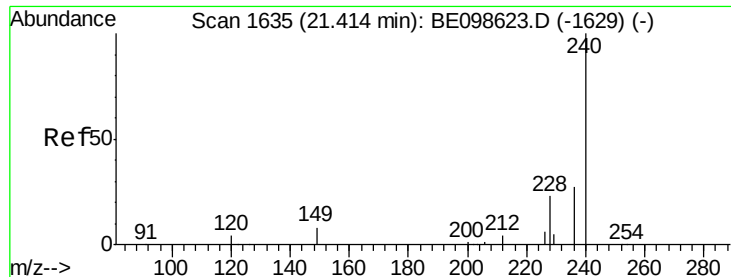
Tgt Ion: 212 Resp: 14733
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.7 2.5
 104 1.2 1.0 1.6



#26
 Fluoranthene
 Concen: 0.236 ng
 RT: 19.29 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BE098639.D
 Acq: 16 Jan 2019 19:40

Tgt Ion: 202 Resp: 3539
 Ion Ratio Lower Upper
 202 100
 101 7.8 6.7 10.1
 203 17.0 13.3 19.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

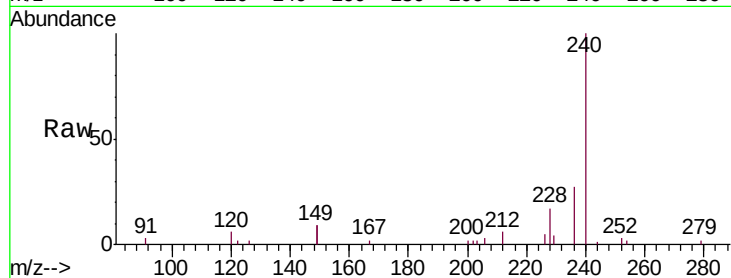
Tgt Ion:240 Resp: 6411

Ion Ratio Lower Upper

240 100

120 5.5 4.7 7.1

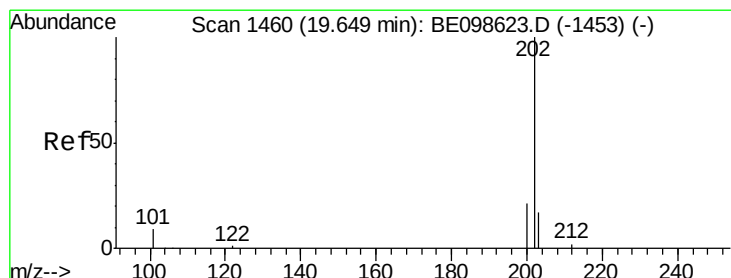
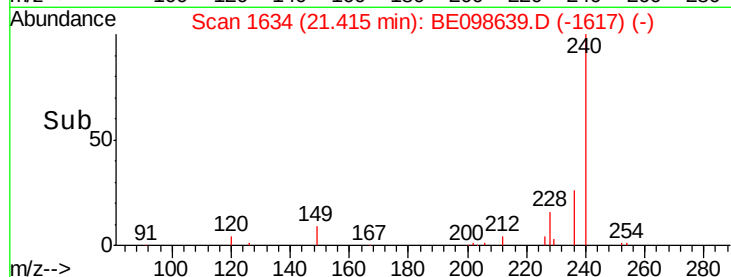
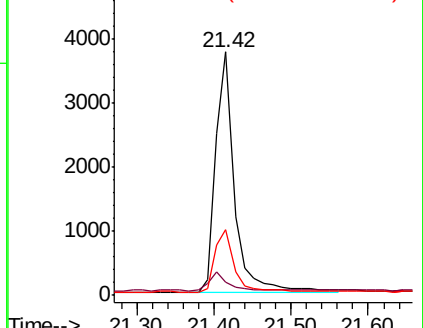
236 26.9 21.9 32.9



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: 0.206 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

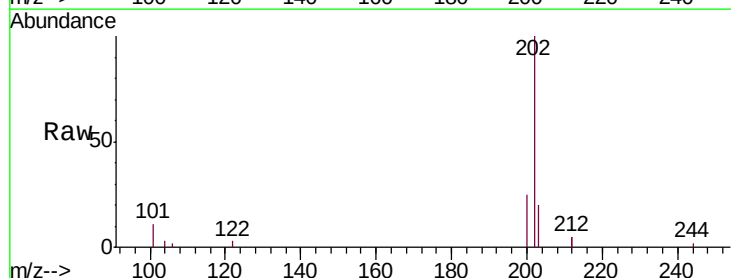
Tgt Ion:202 Resp: 3633

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

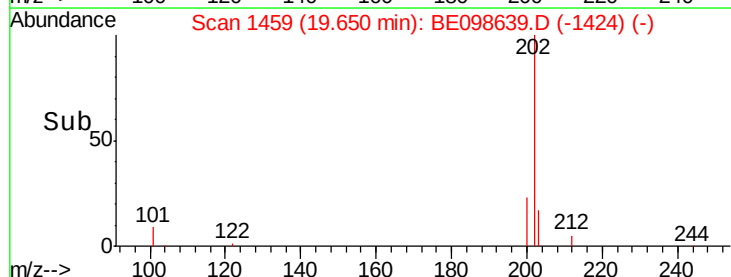
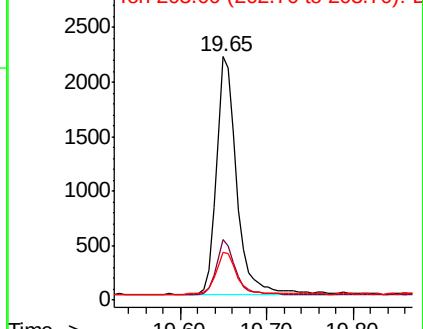
203 18.0 13.8 20.8

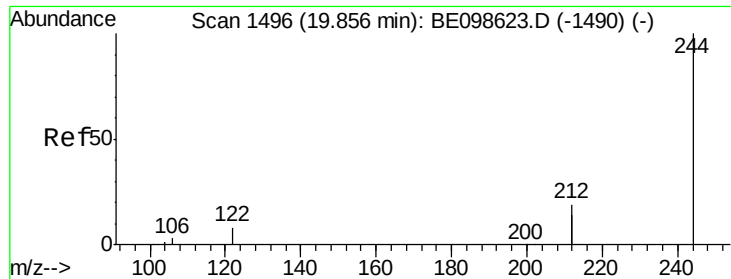


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.190 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

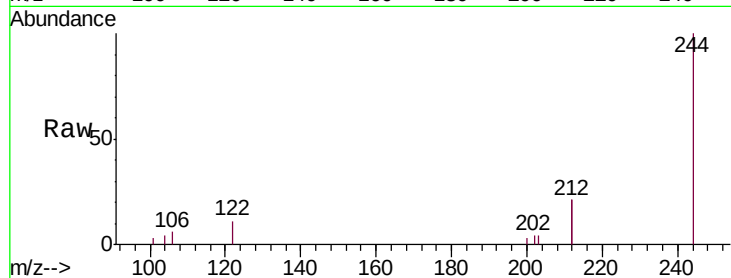
Tgt Ion:244 Resp: 2689

Ion Ratio Lower Upper

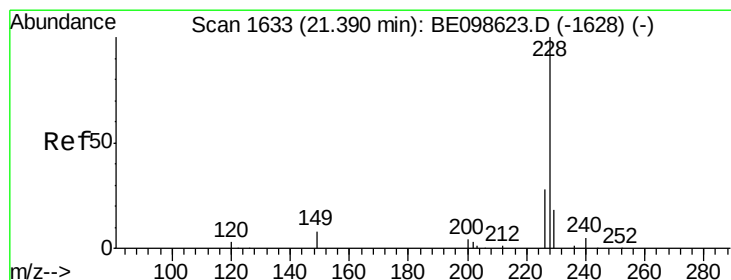
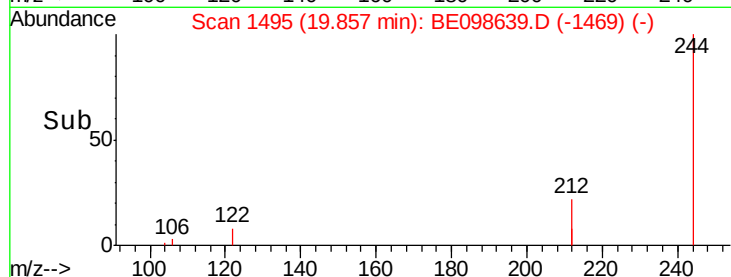
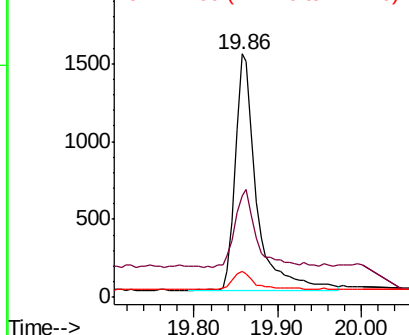
244 100

212 41.7 29.4 44.2

122 10.8 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: 0.244 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

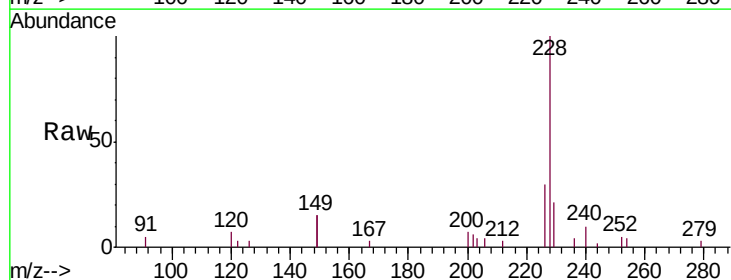
Tgt Ion:228 Resp: 4200

Ion Ratio Lower Upper

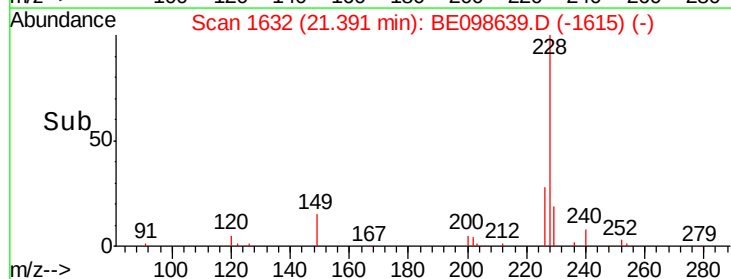
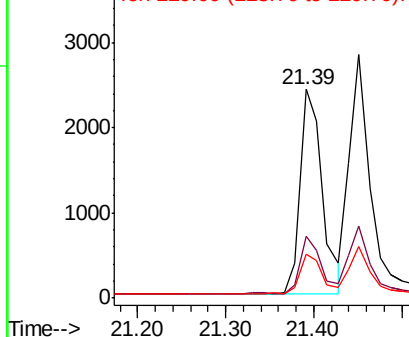
228 100

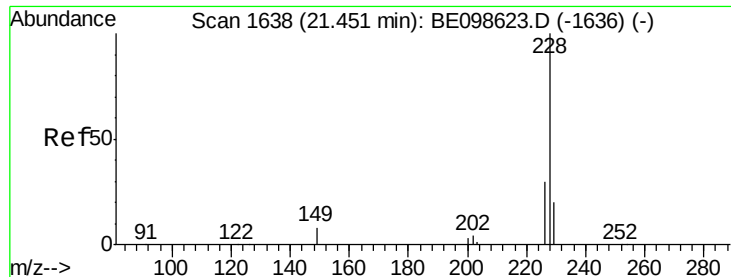
226 29.8 23.0 34.4

229 21.2 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: 0.247 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

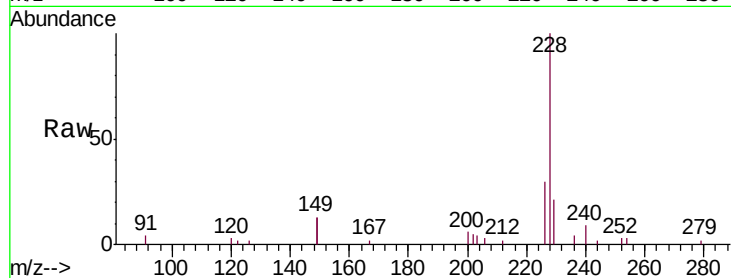
Tgt Ion:228 Resp: 4408

Ion Ratio Lower Upper

228 100

226 29.9 24.6 36.8

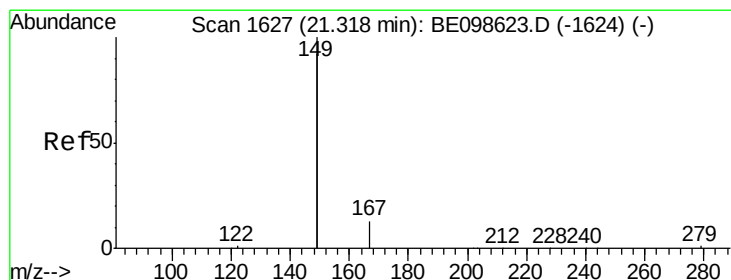
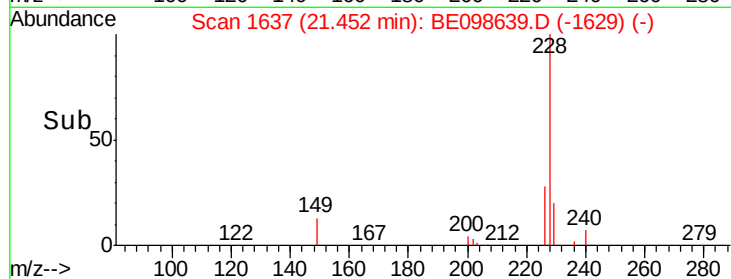
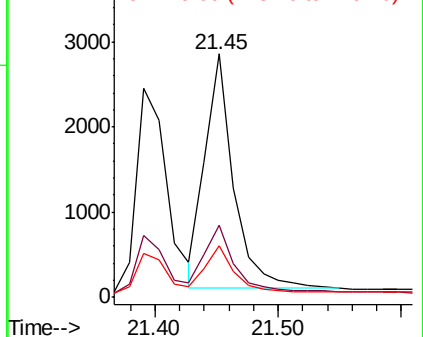
229 21.4 16.4 24.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.179 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

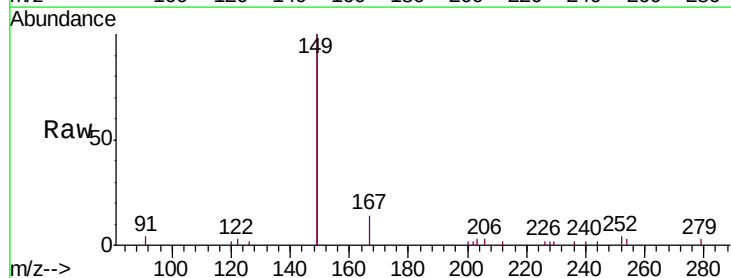
Tgt Ion:149 Resp: 6536

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.2

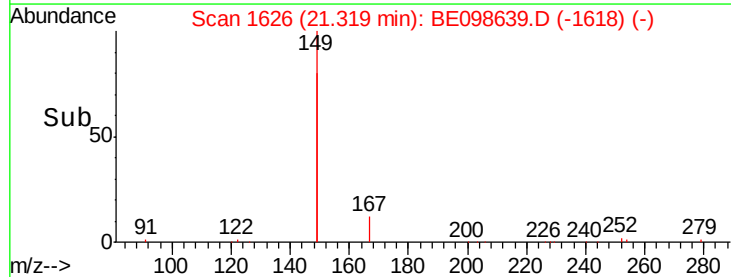
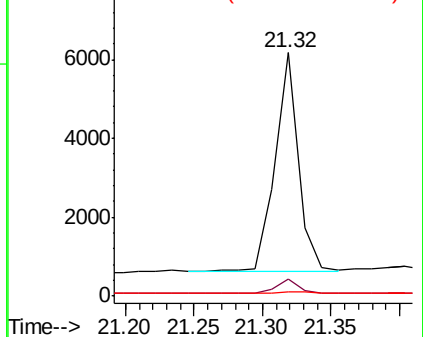
279 1.3 1.0 1.4

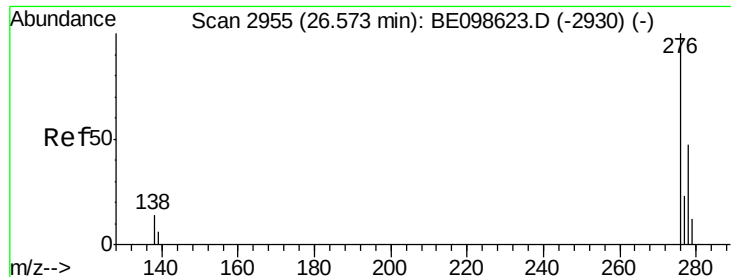


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.285 ng

RT: 26.58 min Scan# 2956

Delta R.T. 0.01 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

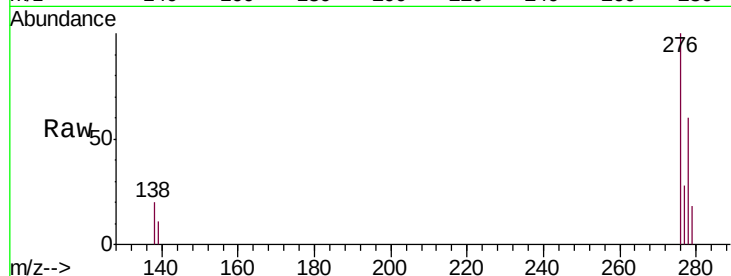
Tgt Ion:276 Resp: 5259

Ion Ratio Lower Upper

276 100

138 15.6 13.3 19.9

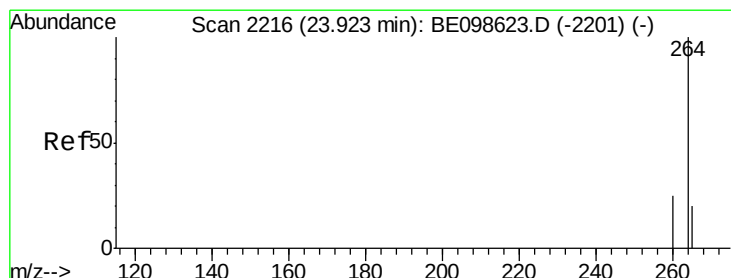
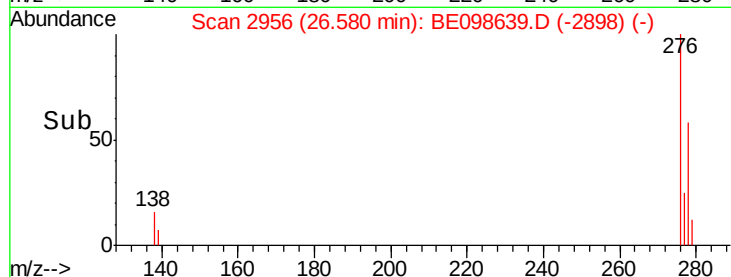
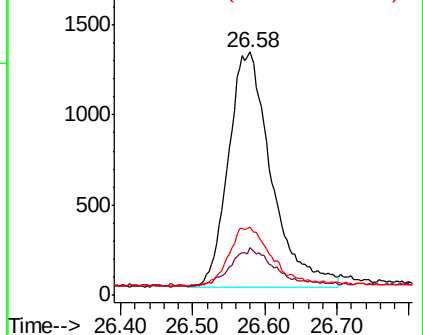
277 24.6 19.4 29.0



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: 23.93 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

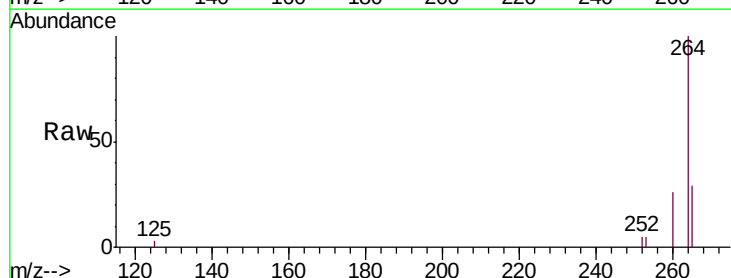
Tgt Ion:264 Resp: 6812

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

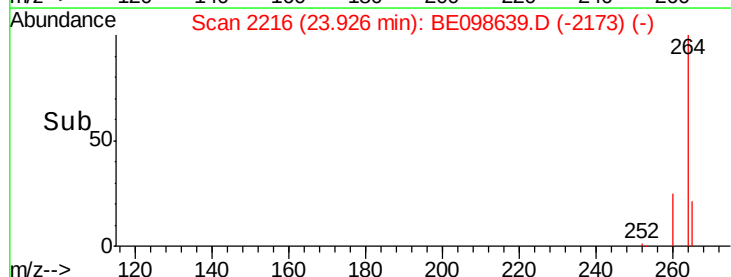
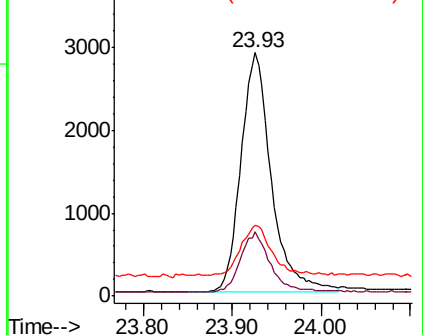
265 29.3 22.3 33.5

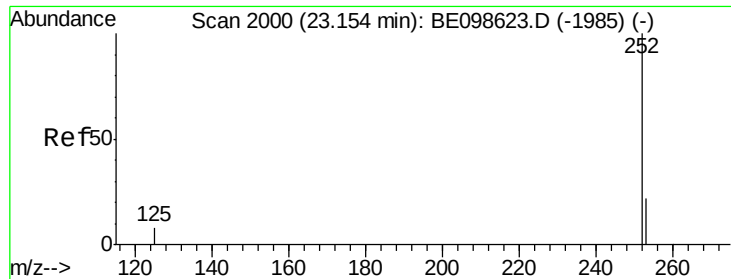


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.237 ng

RT: 23.15 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

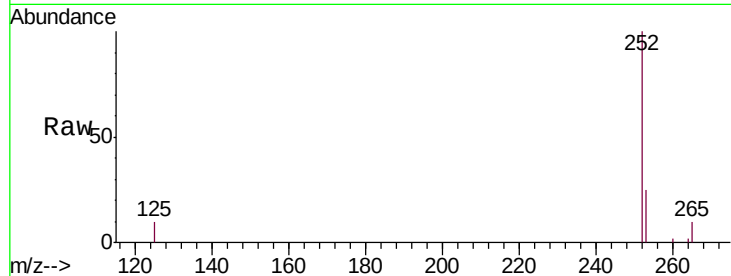
Tgt Ion:252 Resp: 4403

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.0

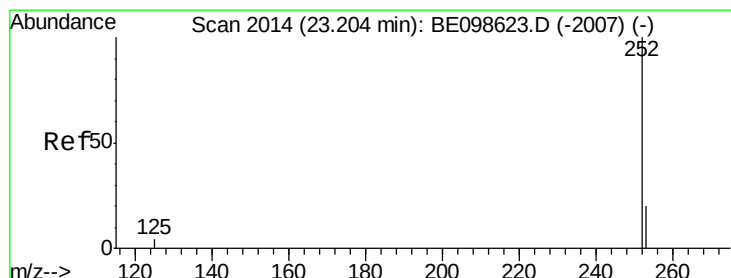
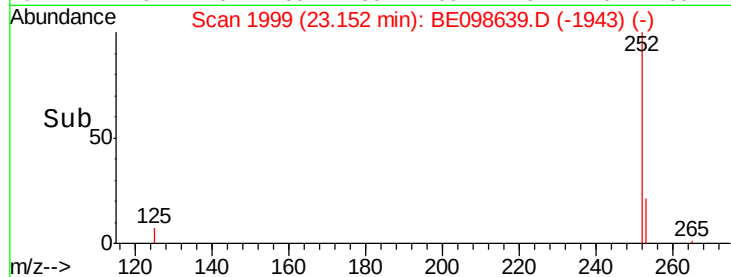
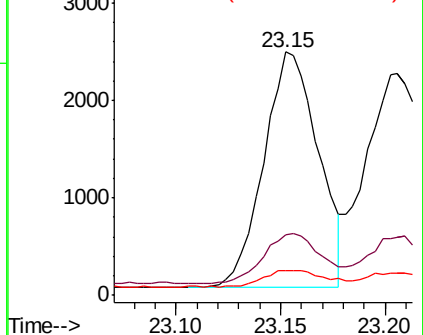
125 10.2 8.2 12.4



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: 0.239 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

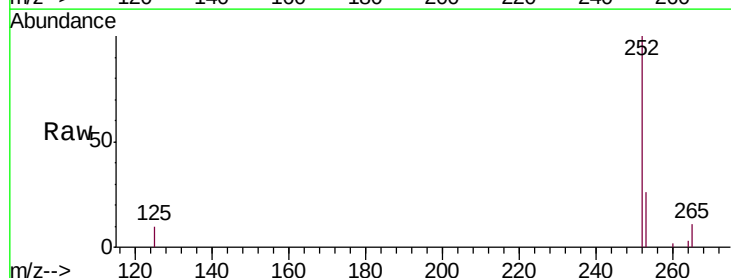
Tgt Ion:252 Resp: 4855

Ion Ratio Lower Upper

252 100

253 26.1 19.0 28.4

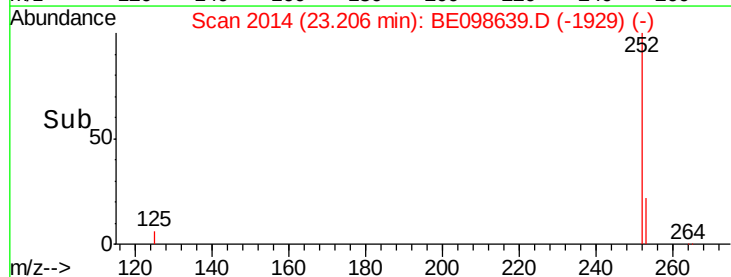
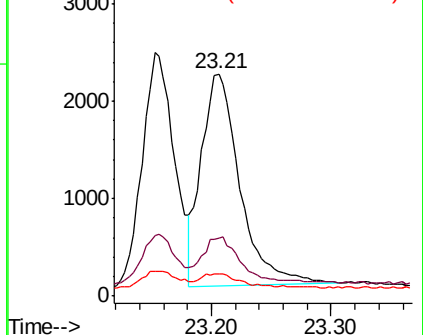
125 10.1 7.0 10.4

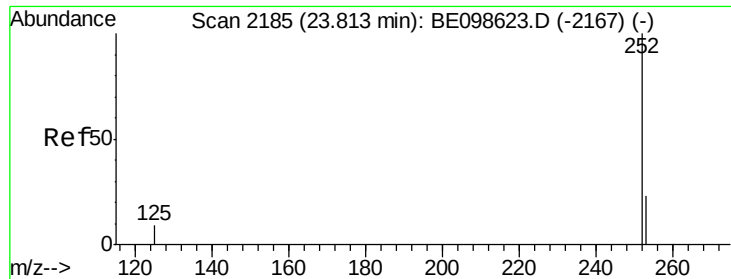


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.251 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

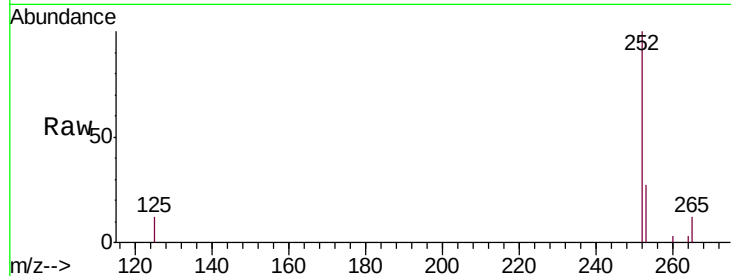
Tgt Ion:252 Resp: 4576

Ion Ratio Lower Upper

252 100

253 27.2 21.0 31.4

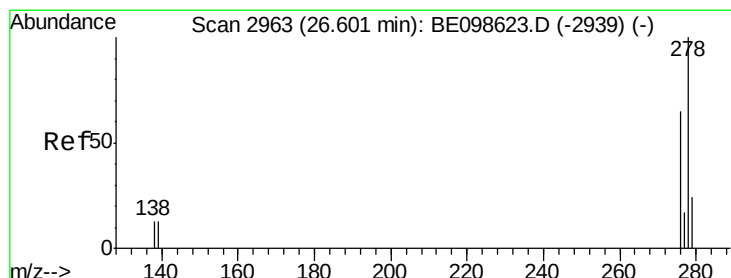
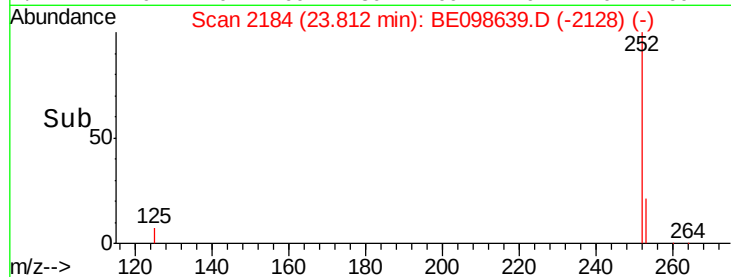
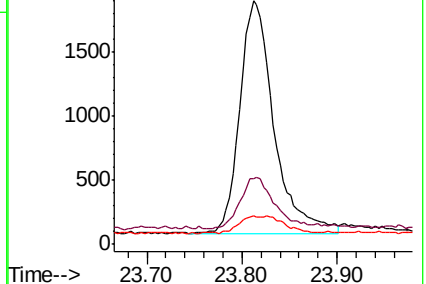
125 11.7 9.2 13.8



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: 0.257 ng

RT: 26.60 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BE098639.D

Acq: 16 Jan 2019 19:40

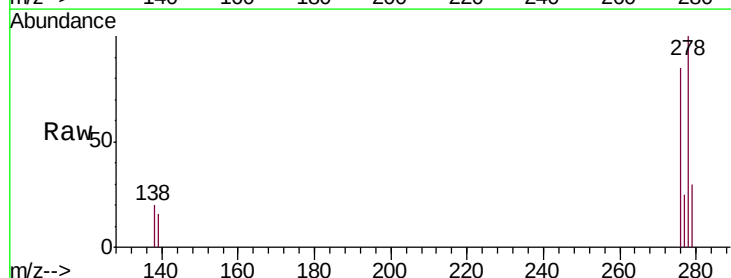
Tgt Ion:278 Resp: 4151

Ion Ratio Lower Upper

278 100

139 16.3 12.7 19.1

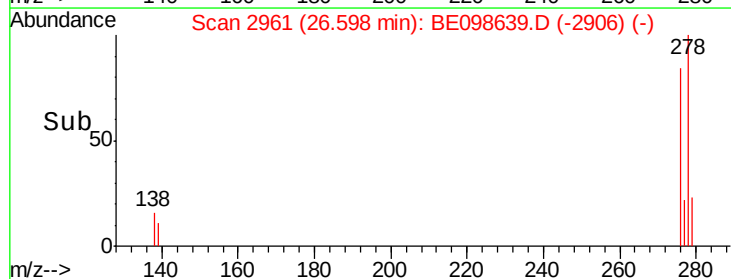
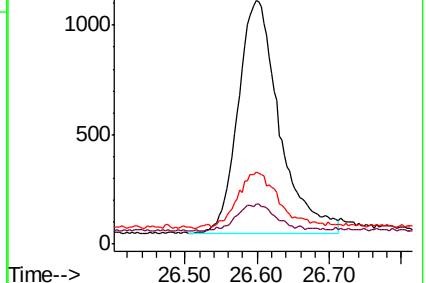
279 29.6 22.0 33.0

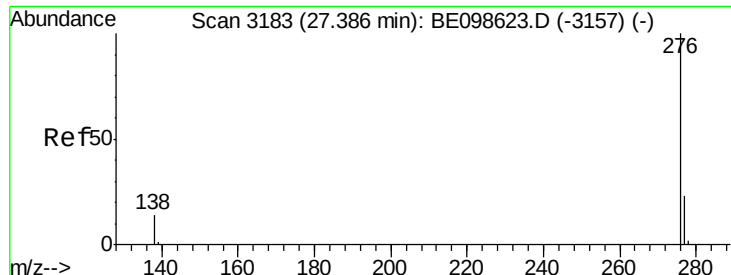


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.266 ng

RT: 27.39 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE098639.D

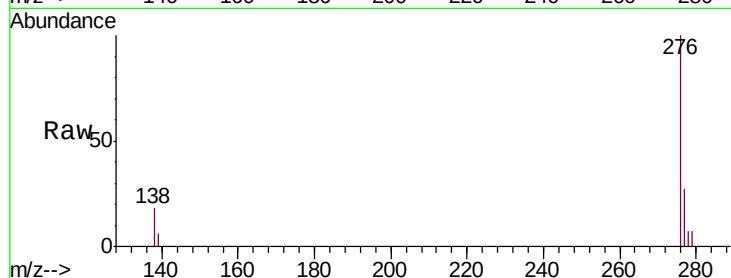
Acq: 16 Jan 2019 19:40

Instrument :

BNA_E

ClientSampleId :

PB116433BSD



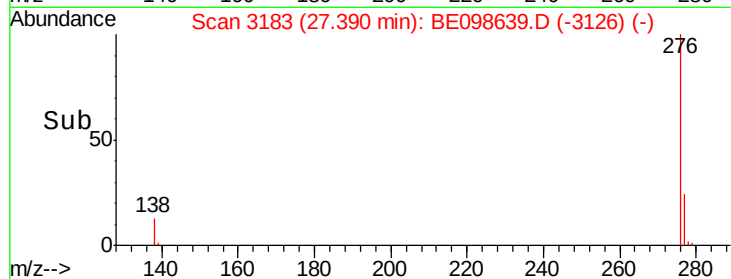
Tgt Ion: 276 Resp: 4715

Ion Ratio Lower Upper

276 100

277 27.2 20.3 30.5

138 17.5 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

