

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
 Data File : BE098648.D
 Acq On : 17 Jan 2019 10:32
 Operator : SJ/JU
 Sample : PB116433BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116433BSD

Quant Time: Jan 17 12:40:25 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	1089	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	5095	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3383	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	8183	0.40	ng	0.00
27) Chrysene-d12	21.41	240	9274	0.40	ng	0.00
34) Perylene-d12	23.92	264	9074	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	1130	0.39	ng	0.00
5) Phenol-d6	7.00	99	1748	0.42	ng	0.00
8) Nitrobenzene-d5	8.98	82	1799	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	3089	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	650	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4922	0.36	ng	0.01
25) Fluoranthene-d10	19.26	212	36820	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	7650	0.37	ng	0.00

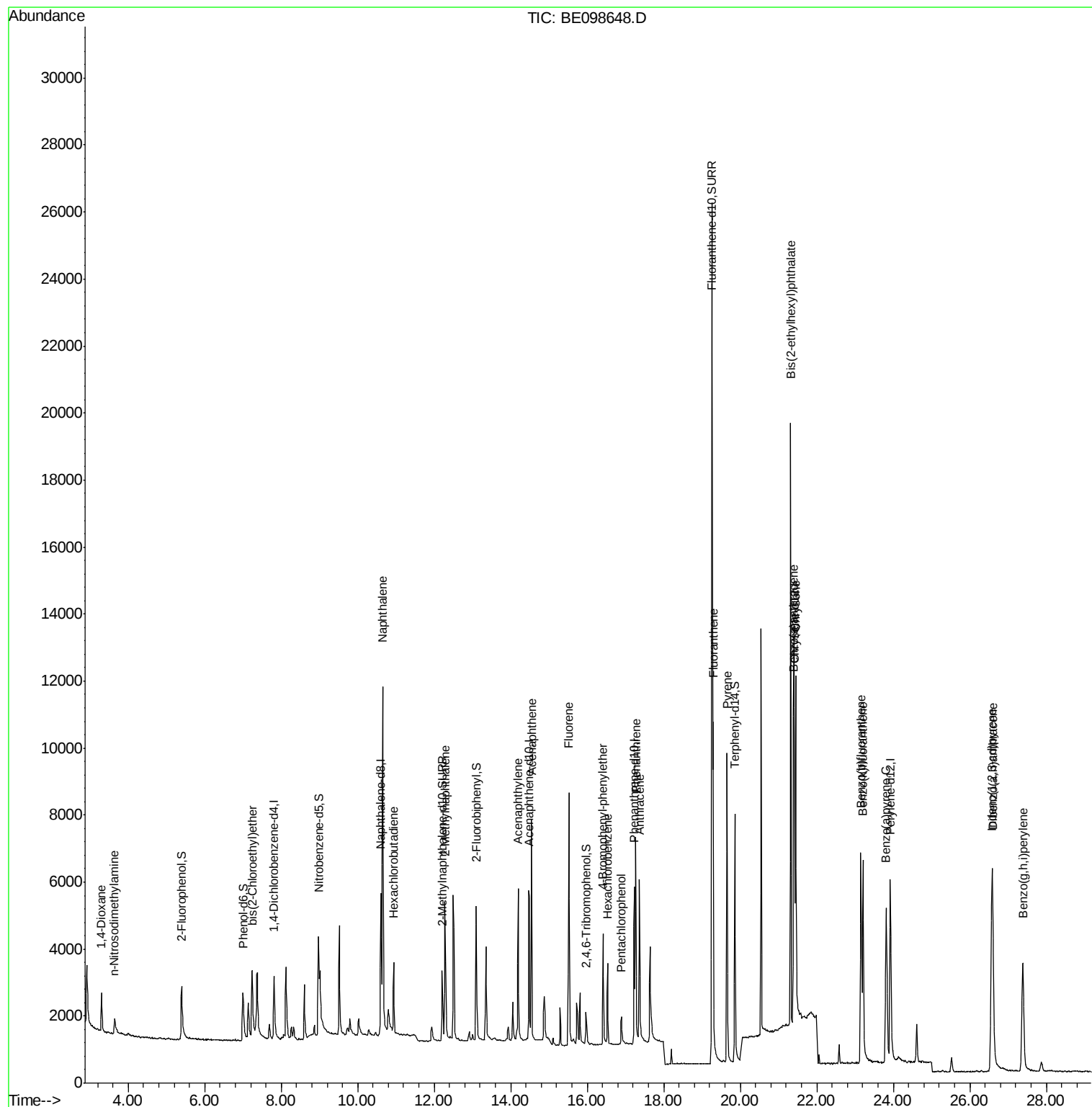
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	820	0.410	ng	91
3) n-Nitrosodimethylamine	3.63	42	692	0.427	ng	# 94
6) bis(2-Chloroethyl)ether	7.24	93	1200	0.384	ng	93
9) Naphthalene	10.65	128	18742	0.369	ng	100
10) Hexachlorobutadiene	10.94	225	1395	0.384	ng	95
12) 2-Methylnaphthalene	12.28	142	3046	0.362	ng	93
16) Acenaphthylene	14.20	152	5406	0.369	ng	99
17) Acenaphthene	14.54	154	3383	0.368	ng	99
18) Fluorene	15.52	166	4487	0.375	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1575	0.363	ng	# 85
21) Hexachlorobenzene	16.53	284	1909	0.365	ng	95
22) Pentachlorophenol	16.89	266	672	0.514	ng	97
23) Phenanthrene	17.27	178	6969	0.359	ng	100
24) Anthracene	17.36	178	5802	0.349	ng	98
26) Fluoranthene	19.29	202	8952	0.359	ng	98
28) Pyrene	19.65	202	9390	0.368	ng	100
30) Benzo(a)anthracene	21.39	228	9278	0.372	ng	99
31) Chrysene	21.45	228	9491	0.367	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	18628	0.352	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	10310	0.387	ng	# 93
35) Benzo(b)fluoranthene	23.15	252	9230	0.373	ng	# 98
36) Benzo(k)fluoranthene	23.21	252	9977	0.369	ng	98
37) Benzo(a)pyrene	23.81	252	8980	0.369	ng	95
38) Dibenzo(a,h)anthracene	26.60	278	8491	0.394	ng	# 95
39) Benzo(g,h,i)perylene	27.39	276	8767	0.372	ng	97

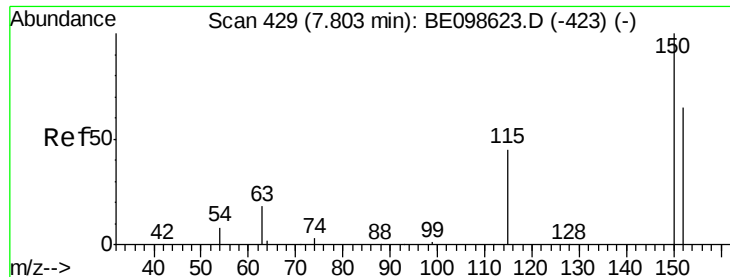
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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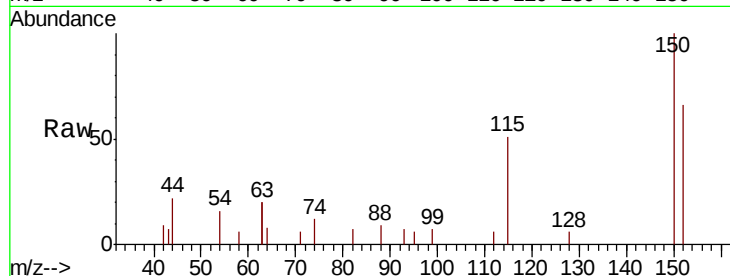


#1

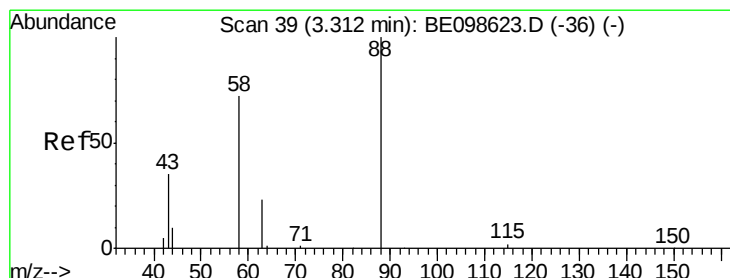
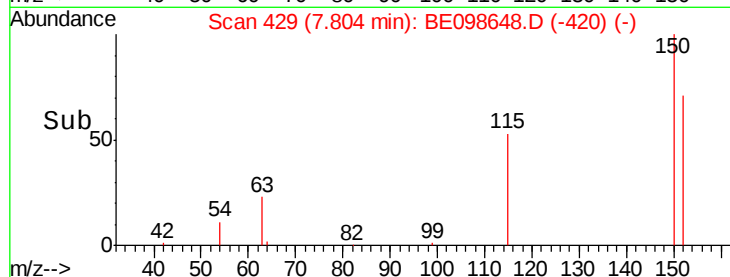
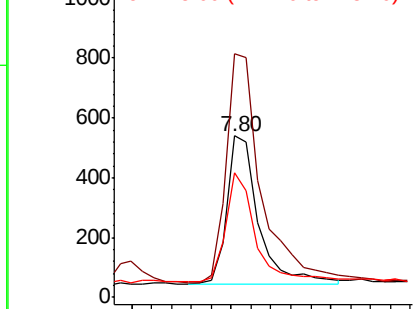
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tot Ion:152 Resp: 1089
Ion Ratio Lower Upper
152 100
150 151.0 121.4 182.2
115 77.0 59.1 88.7



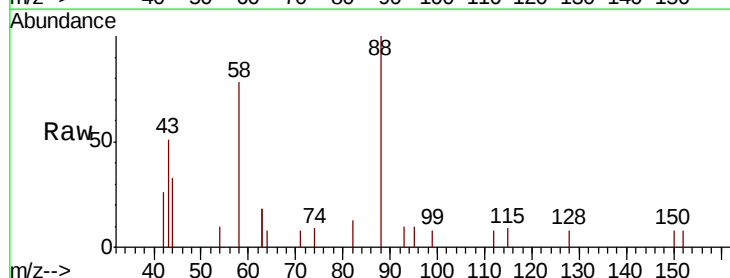
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



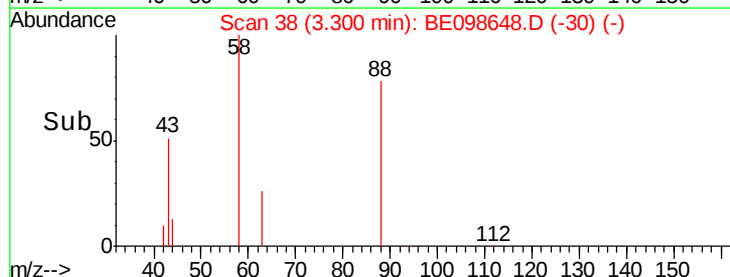
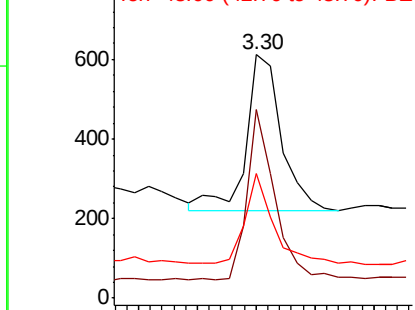
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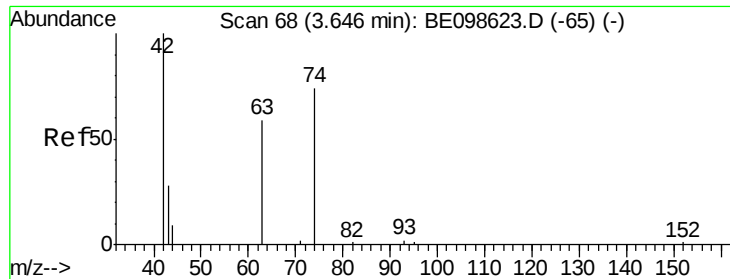
1,4-Dioxane
Concen: 0.410 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion: 88 Resp: 820
Ion Ratio Lower Upper
88 100
58 85.4 73.9 110.9
43 45.5 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



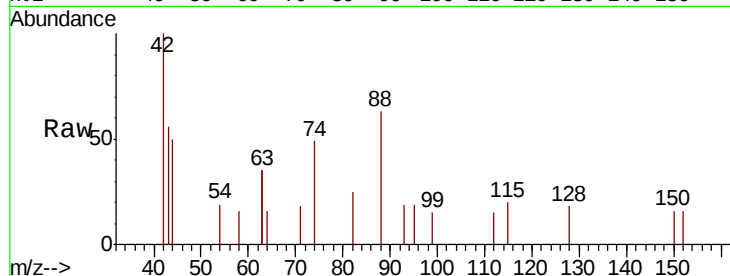


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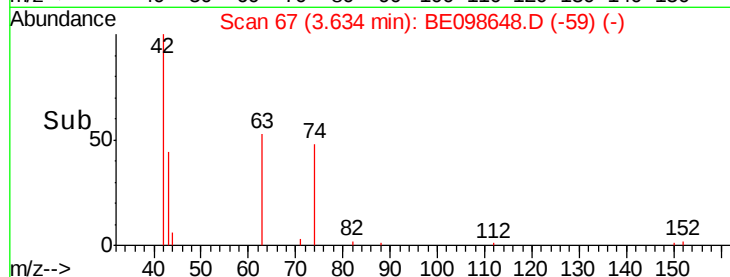
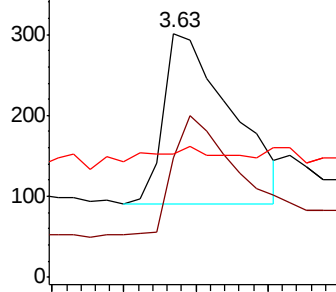
n-Nitrosodimethylamine
 Concen: 0.427 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: BE098648.D
 Acq: 17 Jan 2019 10:32

Instrument :
 BNA_E
 ClientSampleId :
 PB116433BSD

Tot Ion: 42 Resp: 692
 Ion Ratio Lower Upper
 42 100
 74 68.6 58.9 88.3
 44 14.7 0.0 0.0#



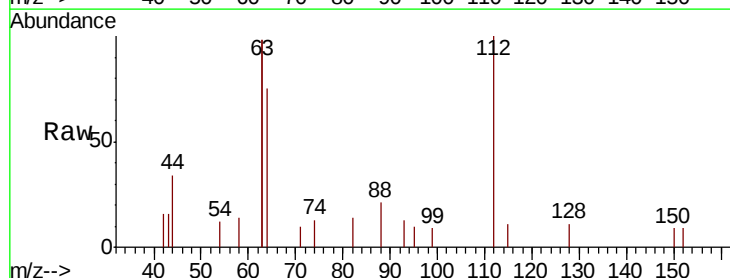
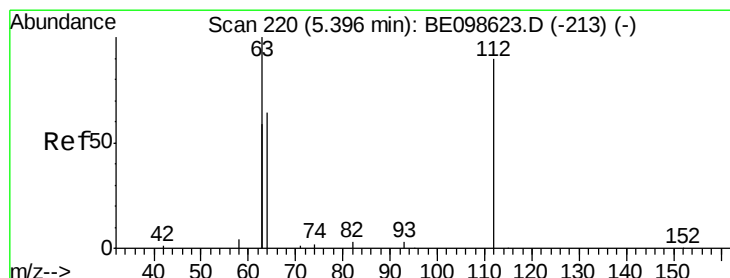
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



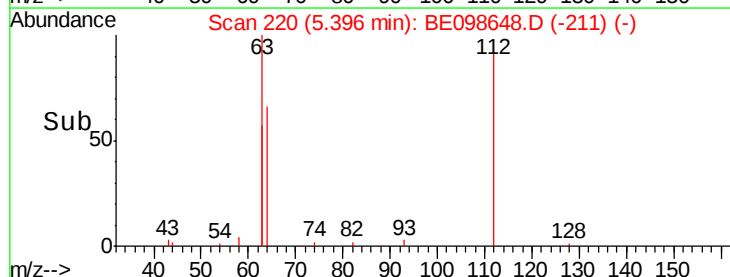
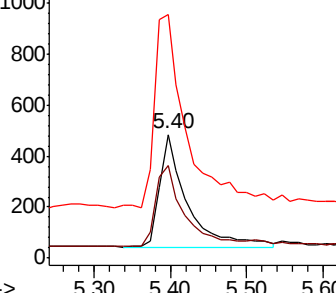
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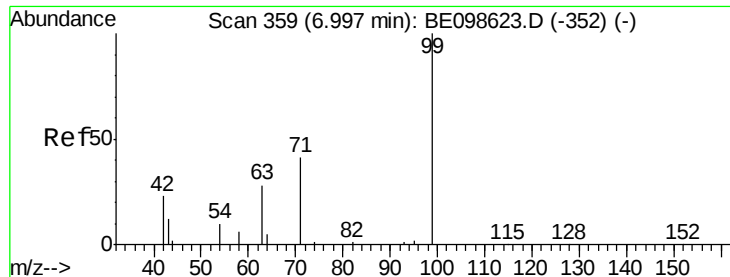
2-Fluorophenol
 Concen: 0.389 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: BE098648.D
 Acq: 17 Jan 2019 10:32

Tgt Ion: 112 Resp: 1130
 Ion Ratio Lower Upper
 112 100
 64 75.8 62.9 94.3
 63 217.4 152.2 228.4



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: 0.423 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

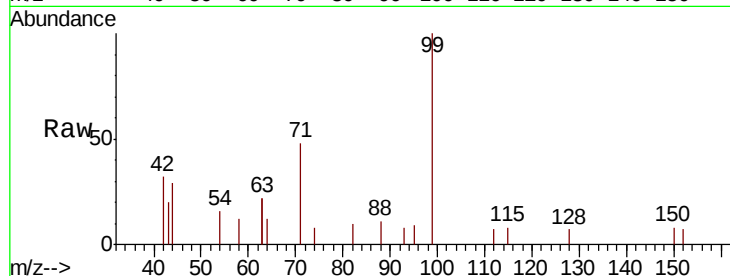
Tot Ion: 99 Resp: 1748

Ion Ratio Lower Upper

99 100

42 32.5 24.6 37.0

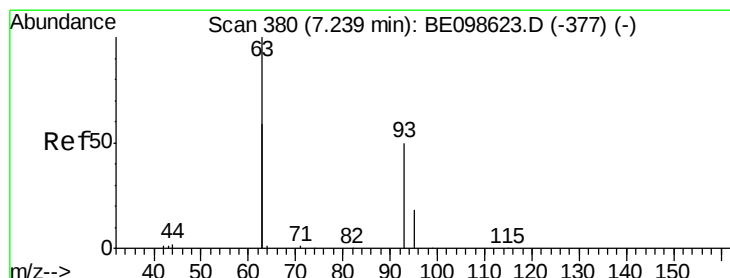
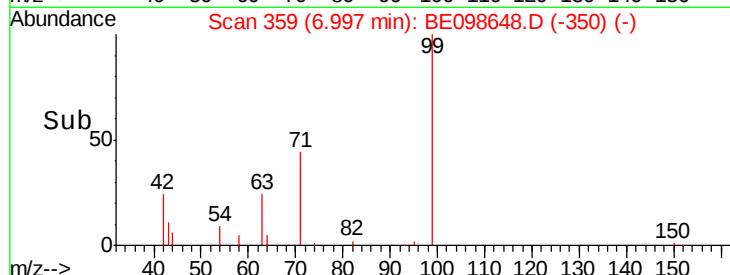
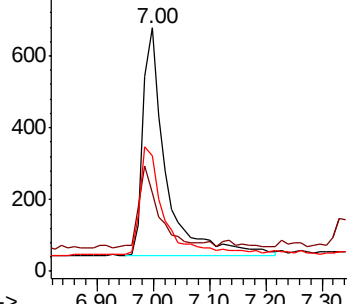
71 48.5 35.1 52.7



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: 0.384 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

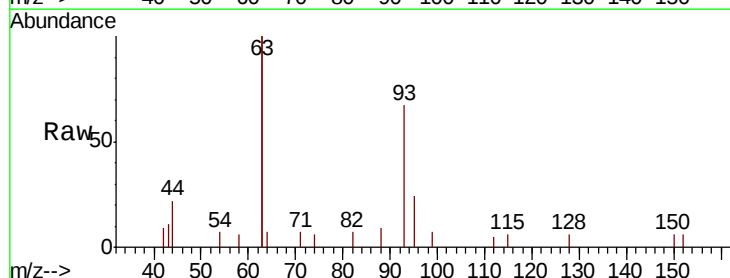
Tgt Ion: 93 Resp: 1200

Ion Ratio Lower Upper

93 100

63 319.2 267.3 400.9

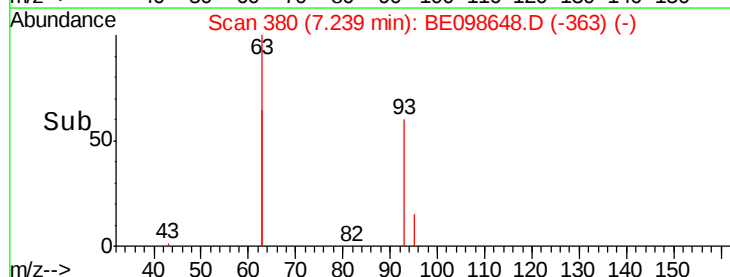
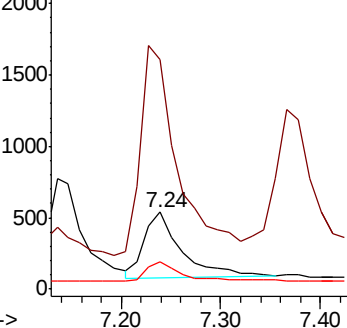
95 31.9 26.2 39.4

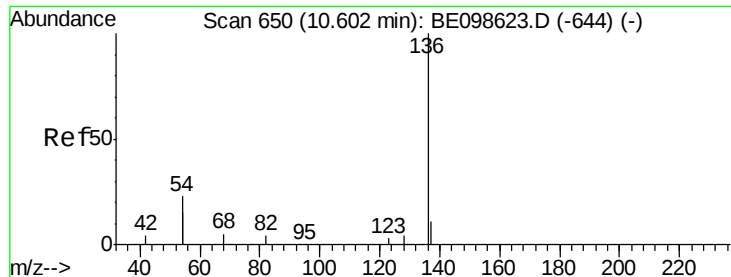


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

Tot Ion:136 Resp: 5095

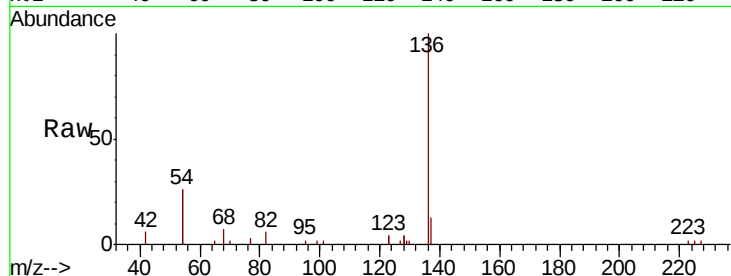
Ion Ratio Lower Upper

136 100

137 13.0 9.7 14.5

54 51.9 35.5 53.3

68 7.1 5.0 7.6

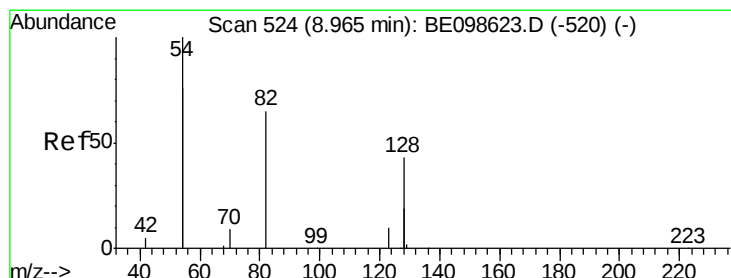
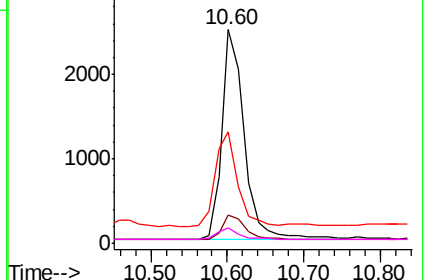
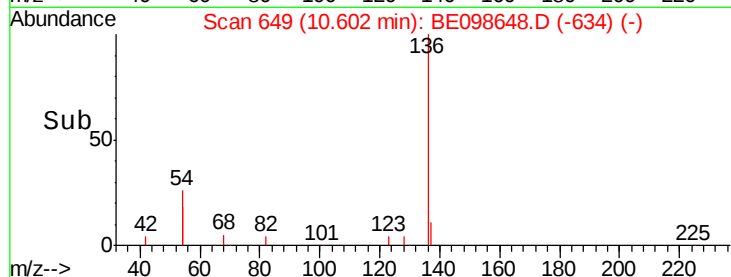


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.445 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

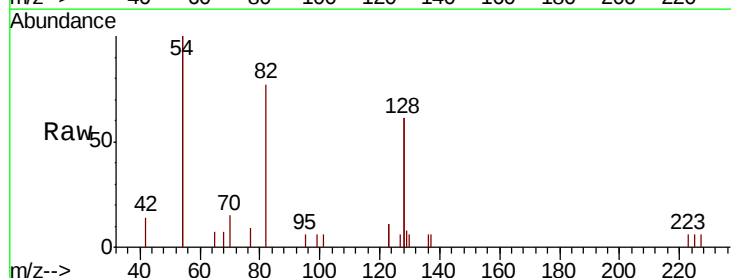
Tgt Ion: 82 Resp: 1799

Ion Ratio Lower Upper

82 100

128 158.1 96.5 144.7#

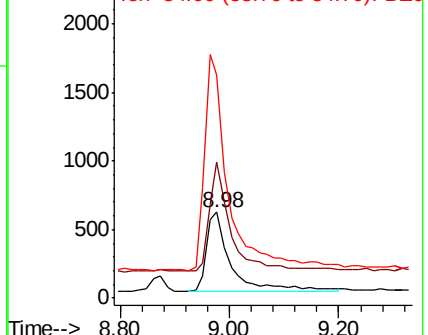
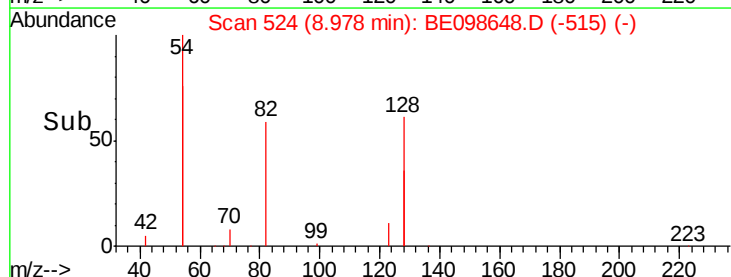
54 260.1 224.7 337.1

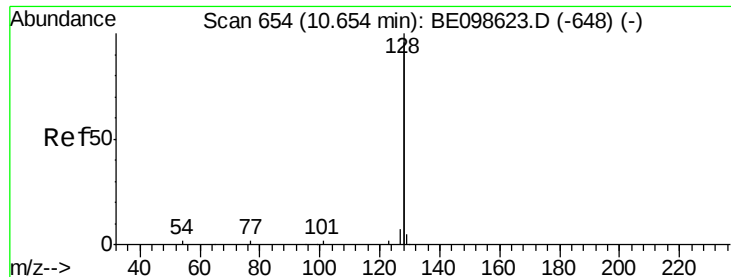


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.369 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

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PB116433BSD

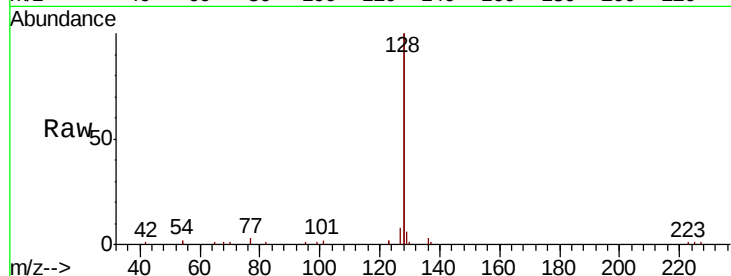
Tot Ion:128 Resp: 18742

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

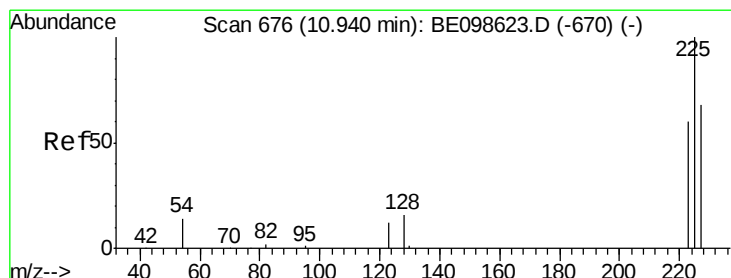
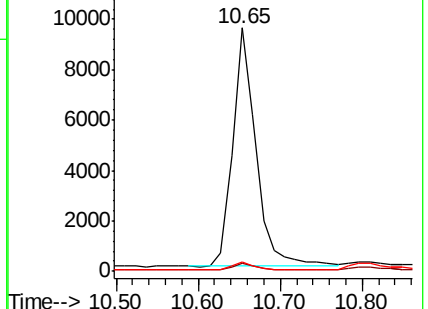
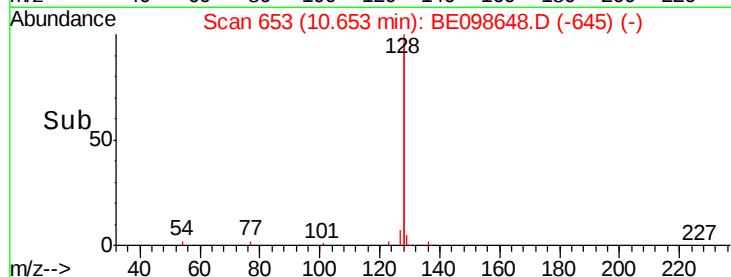
127 3.8 3.0 4.6



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: 0.384 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

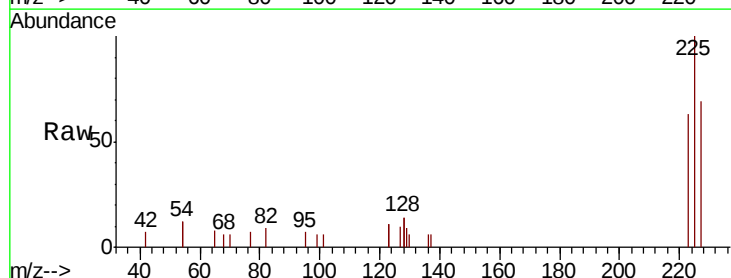
Tgt Ion:225 Resp: 1395

Ion Ratio Lower Upper

225 100

223 63.8 47.8 71.8

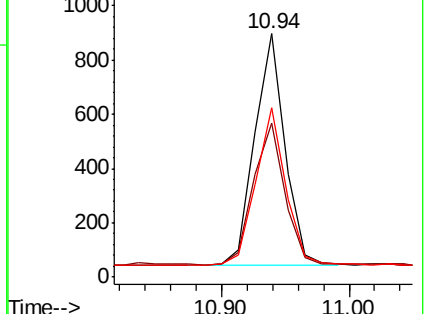
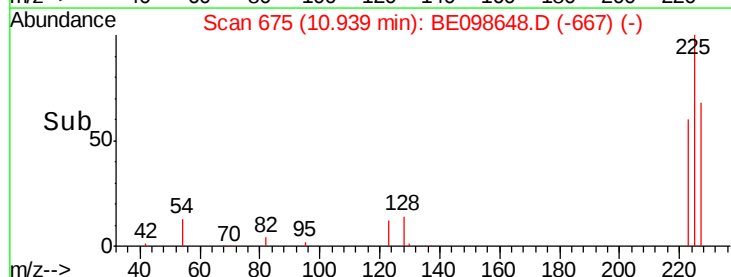
227 67.3 50.5 75.7

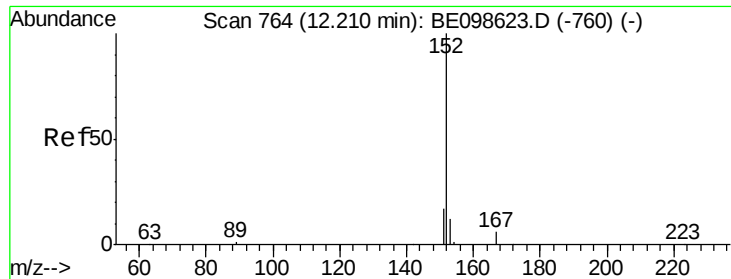


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

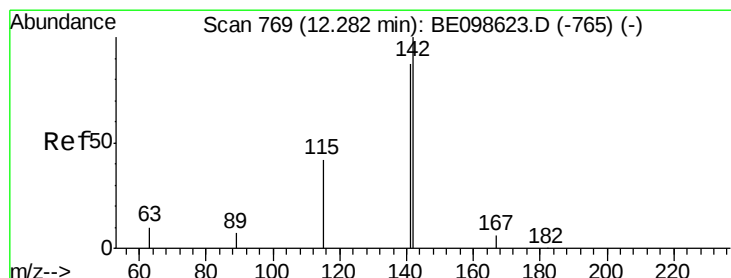
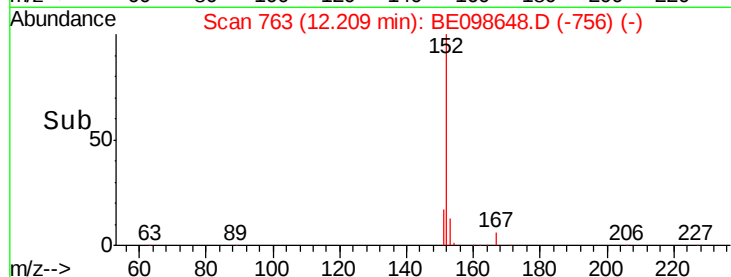
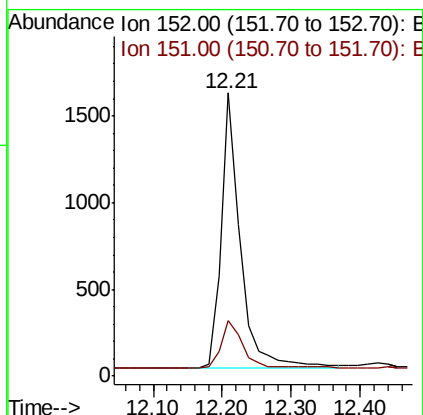
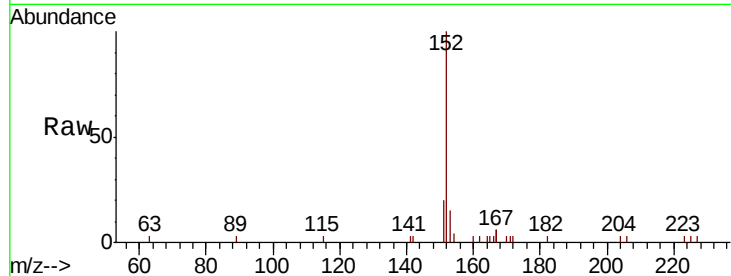




#11
 2-Methylnaphthalene-d10
 Concen: 0.368 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE098648.D
 Acq: 17 Jan 2019 10:32

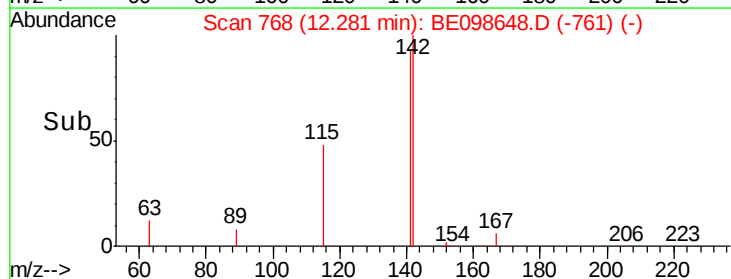
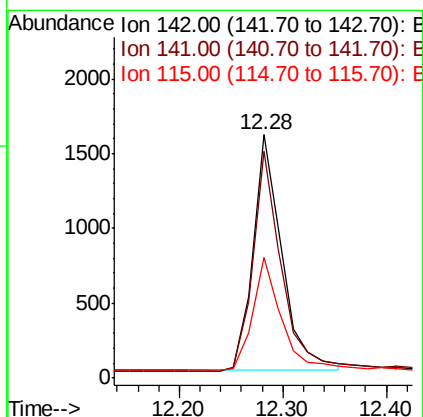
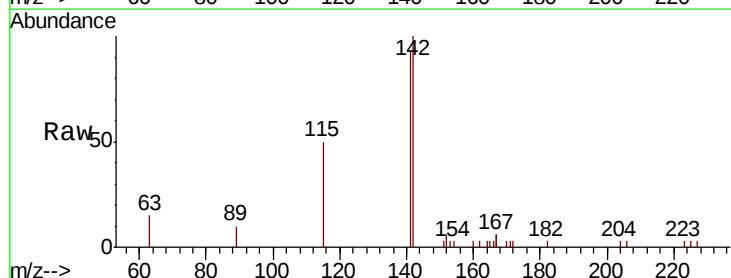
Instrument :
 BNA_E
 ClientSampleId :
 PB116433BSD

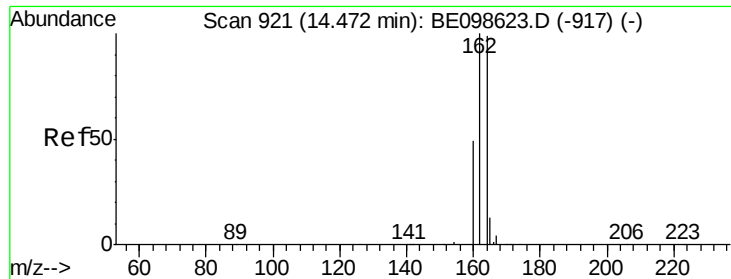
Tot Ion:152 Resp: 3089
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.362 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BE098648.D
 Acq: 17 Jan 2019 10:32

Tgt Ion:142 Resp: 3046
 Ion Ratio Lower Upper
 142 100
 141 93.0 70.0 105.0
 115 49.8 35.2 52.8

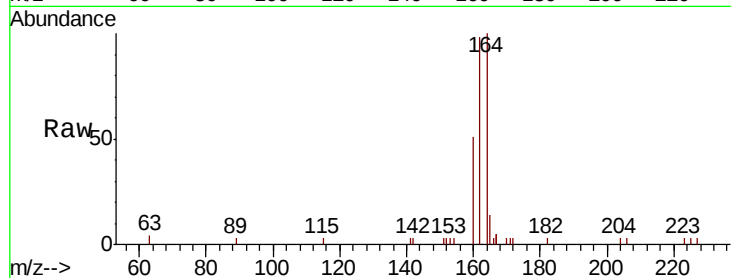




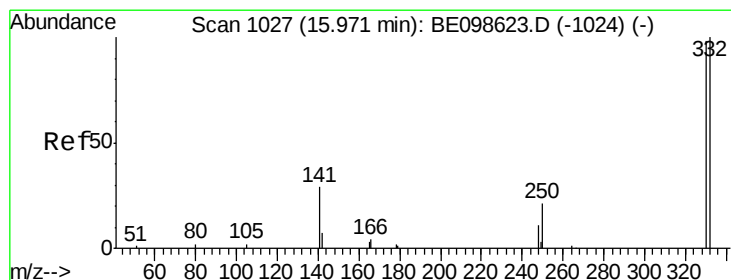
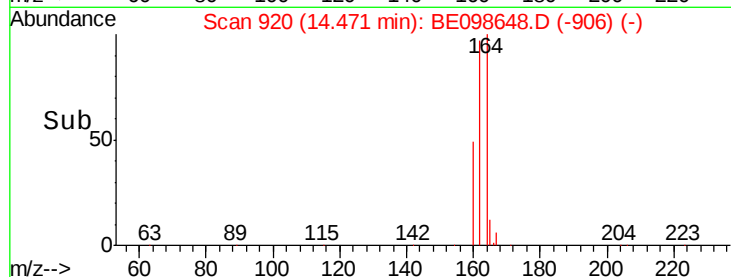
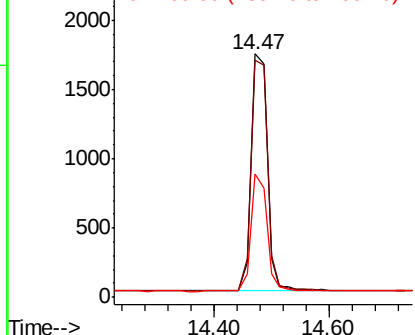
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tot Ion:164 Resp: 3383
Ion Ratio Lower Upper
164 100
162 97.6 80.5 120.7
160 50.7 40.1 60.1

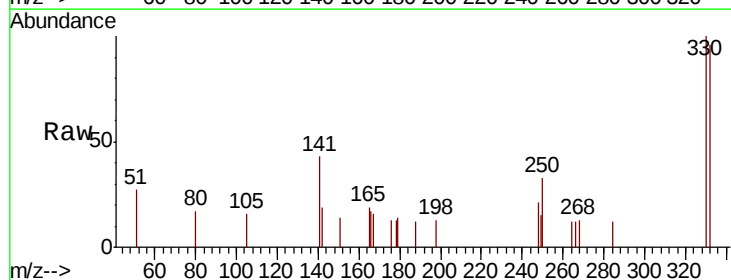


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

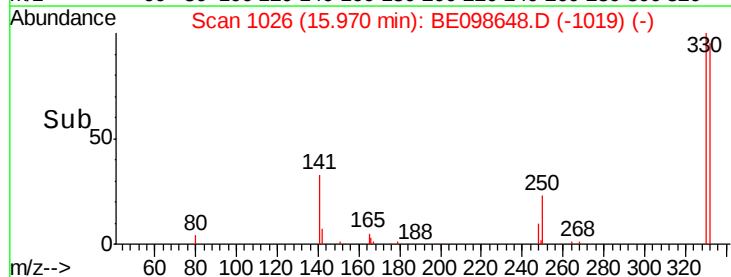
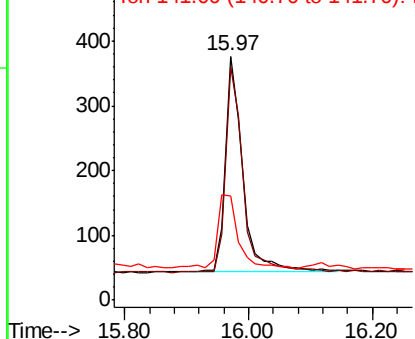


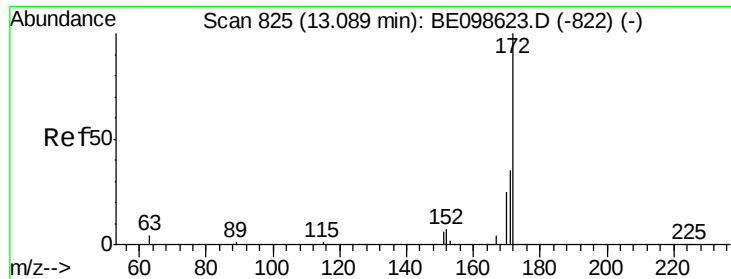
#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:330 Resp: 650
Ion Ratio Lower Upper
330 100
332 94.3 73.3 109.9
141 40.8 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

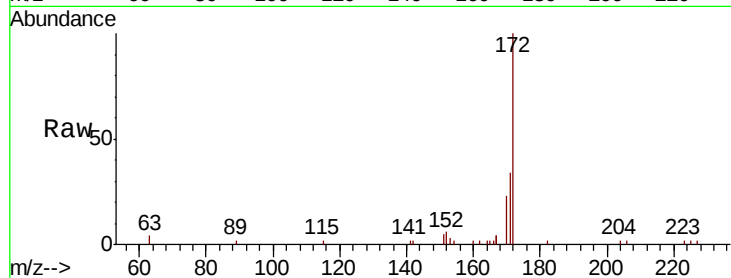




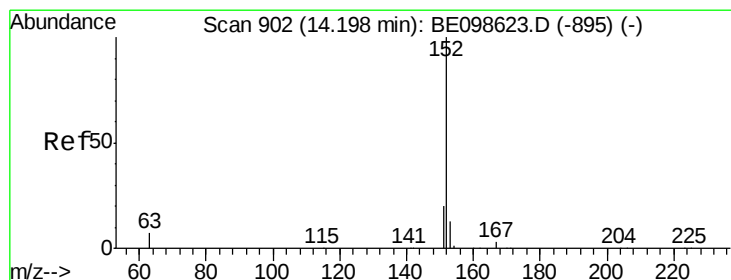
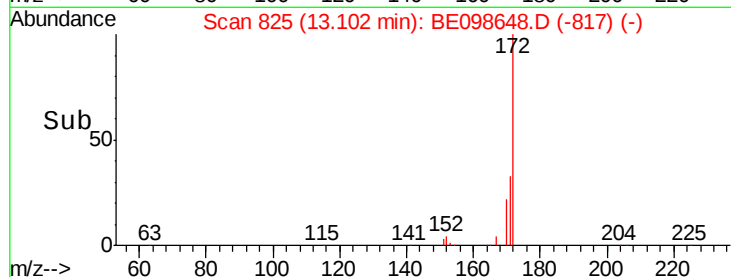
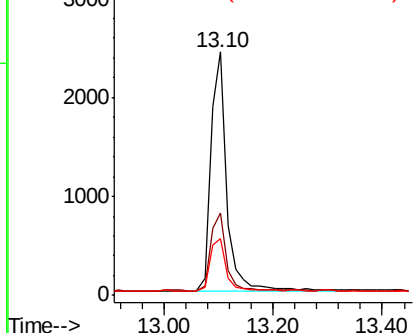
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tot Ion:172 Resp: 4922
Ion Ratio Lower Upper
172 100
171 34.0 29.0 43.4
170 23.4 20.8 31.2

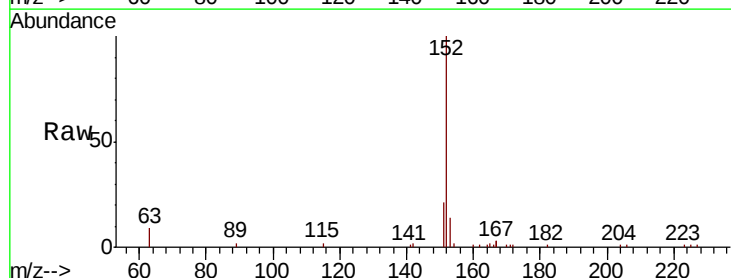


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

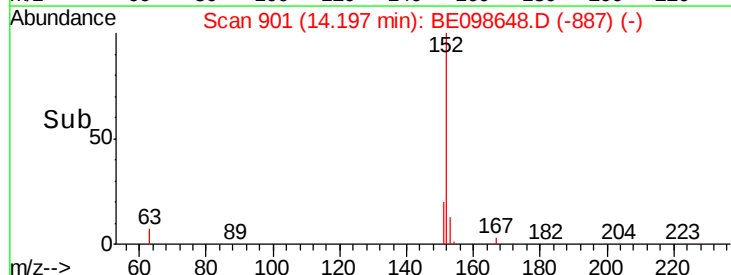
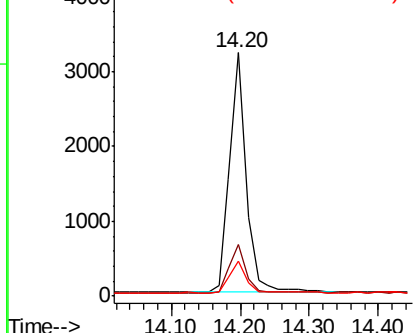


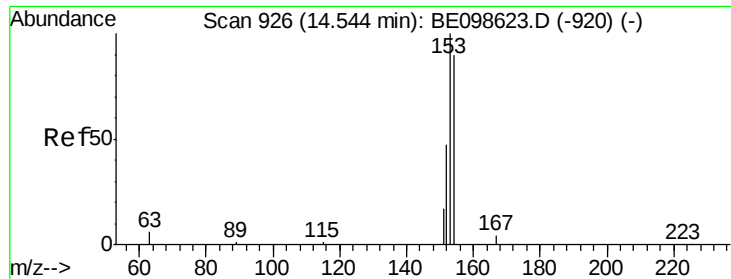
#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:152 Resp: 5406
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 12.8 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: 0.368 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

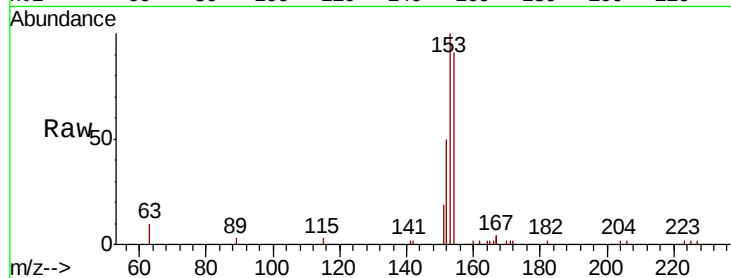
Tot Ion:154 Resp: 3383

Ion Ratio Lower Upper

154 100

153 116.5 93.9 140.9

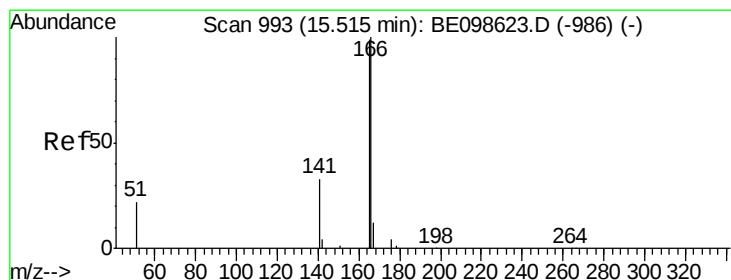
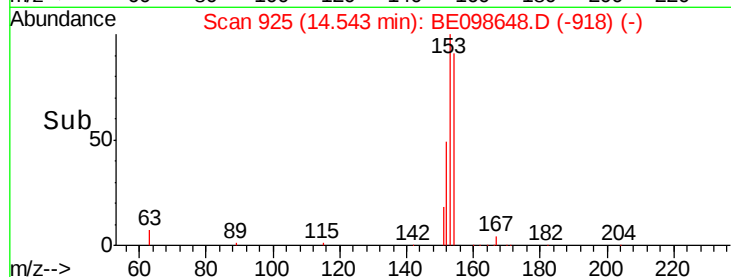
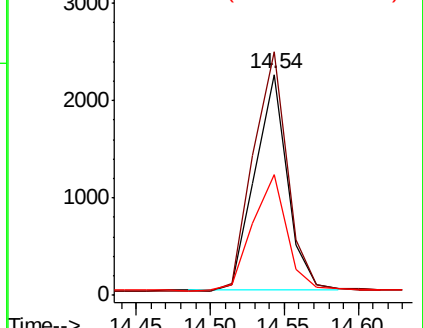
152 56.7 45.8 68.8



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: 0.375 ng

RT: 15.52 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

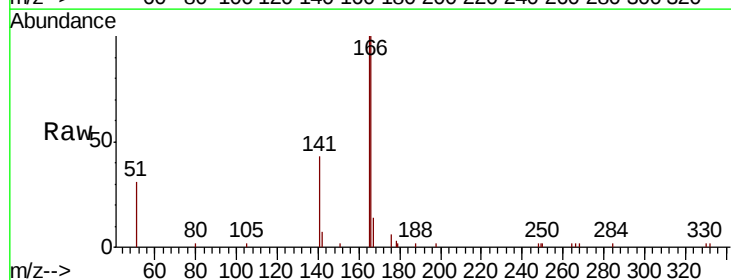
Tgt Ion:166 Resp: 4487

Ion Ratio Lower Upper

166 100

165 98.2 79.3 118.9

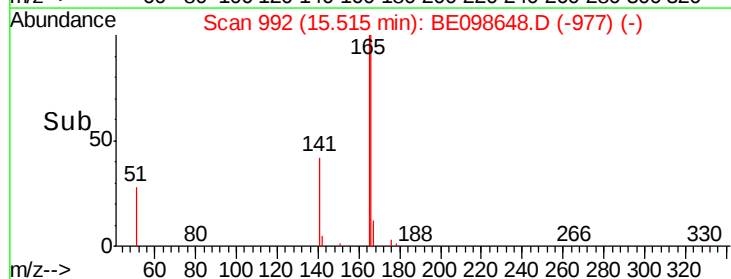
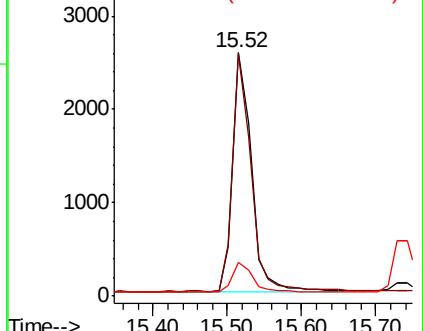
167 13.2 10.6 15.8

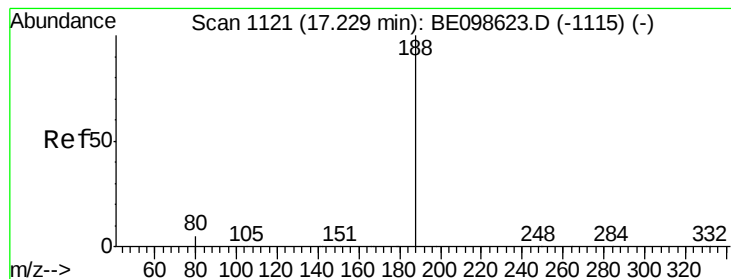


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

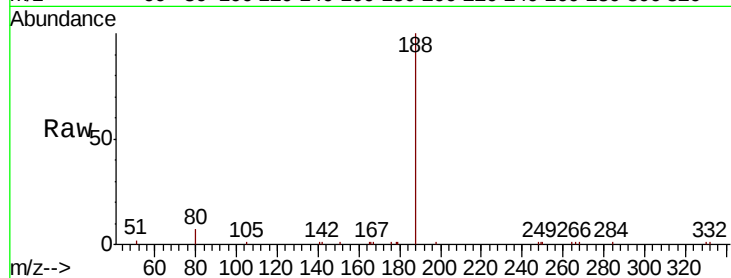
Tot Ion:188 Resp: 8183

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

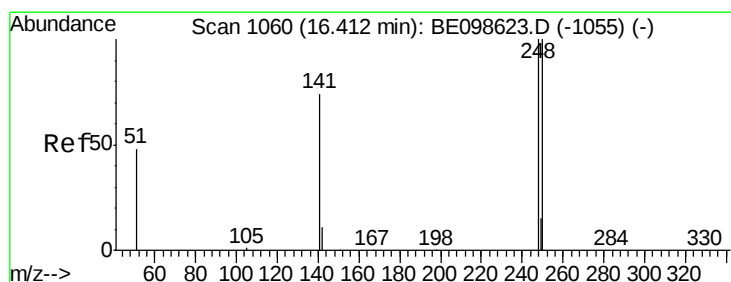
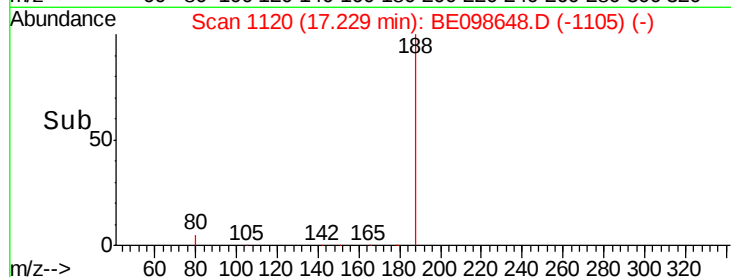
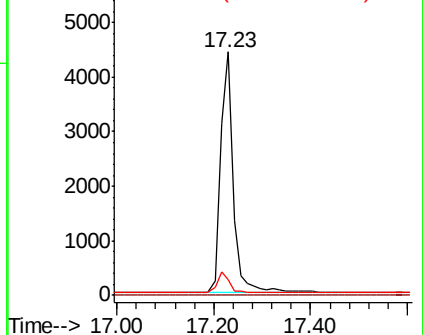
80 6.5 4.7 7.1



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: 0.363 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

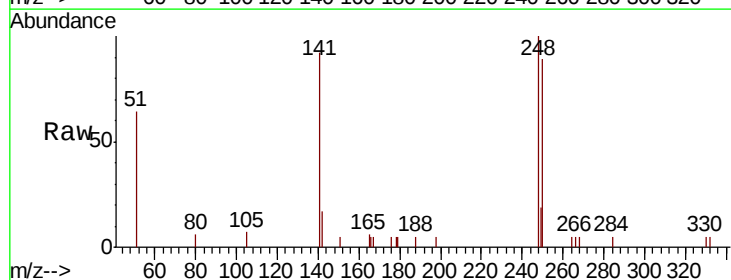
Tgt Ion:248 Resp: 1575

Ion Ratio Lower Upper

248 100

250 88.5 80.2 120.4

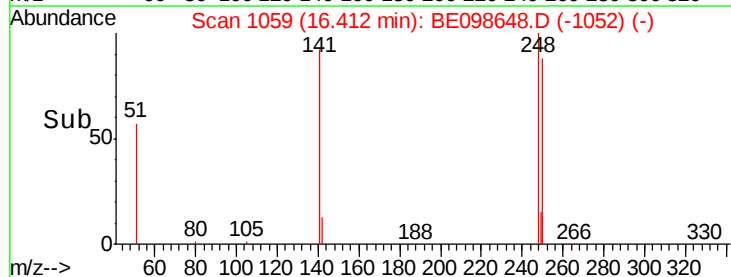
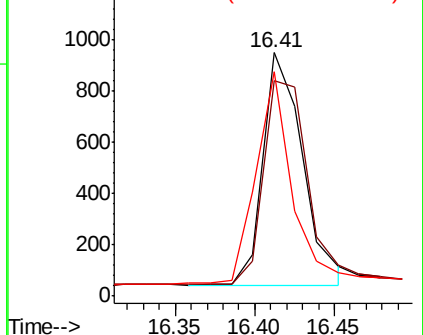
141 92.3 60.5 90.7#

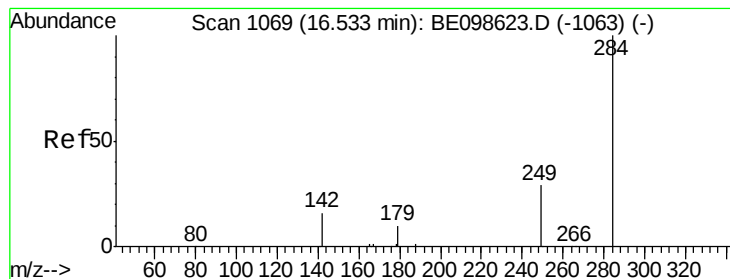


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.365 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

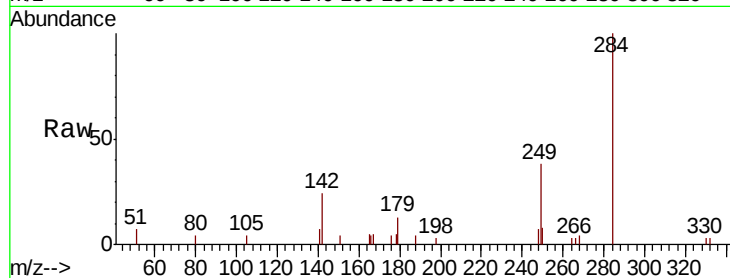
Tot Ion:284 Resp: 1909

Ion Ratio Lower Upper

284 100

142 34.2 25.5 38.3

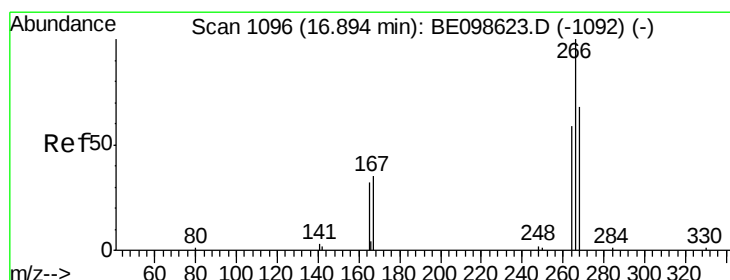
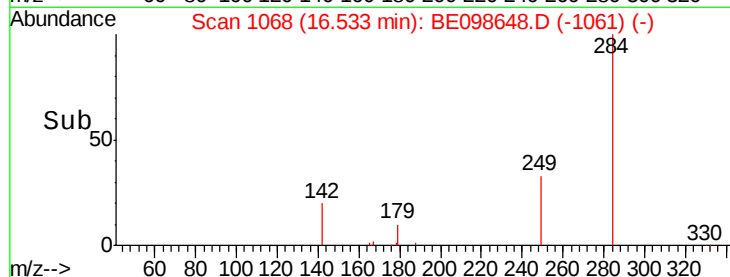
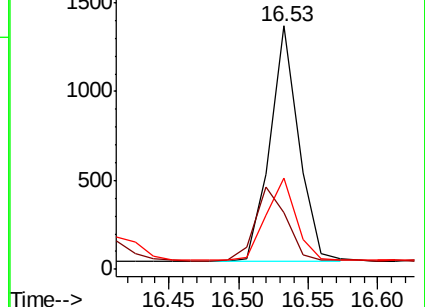
249 36.1 26.6 39.8



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



#22

Pentachlorophenol

Concen: 0.514 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

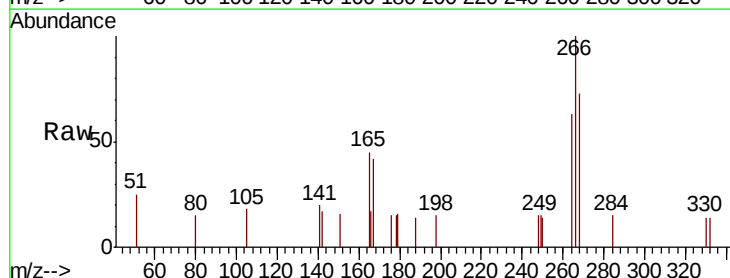
Tgt Ion:266 Resp: 672

Ion Ratio Lower Upper

266 100

264 63.3 53.7 80.5

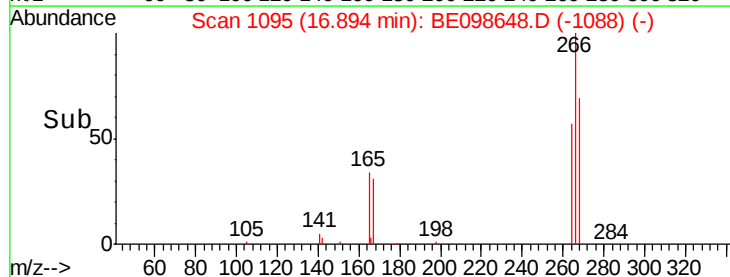
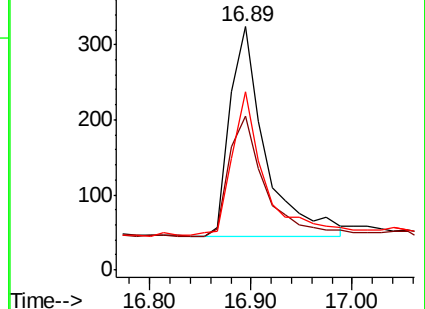
268 73.1 59.8 89.8

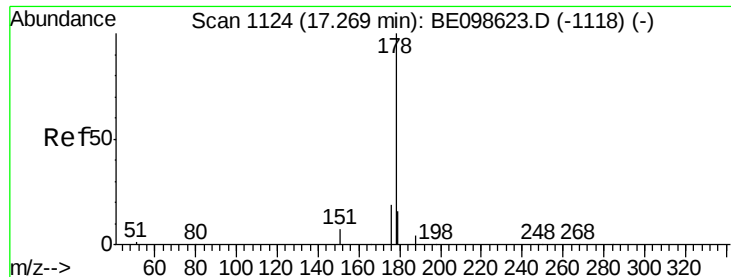


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.359 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

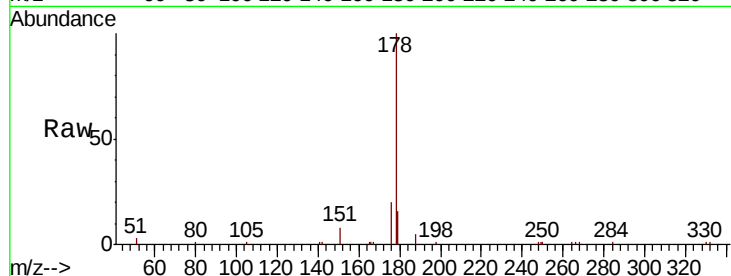
Tot Ion:178 Resp: 6969

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

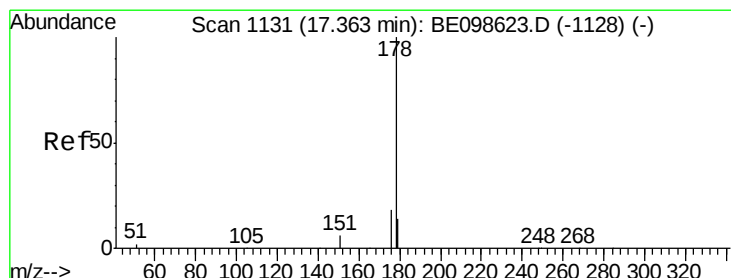
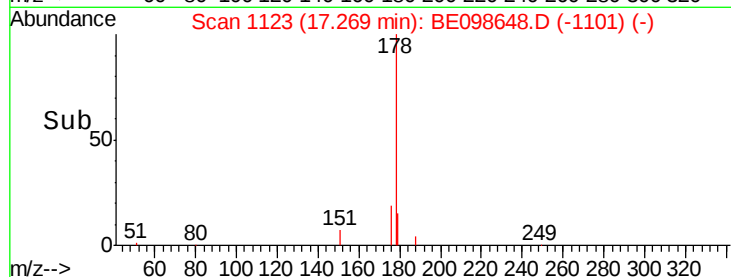
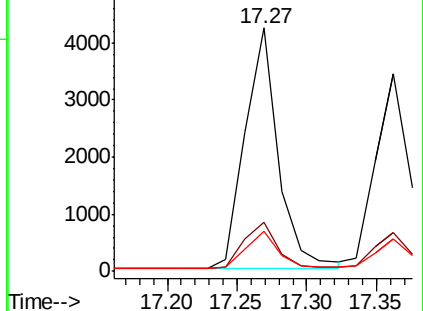
179 15.6 12.2 18.4



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: 0.349 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

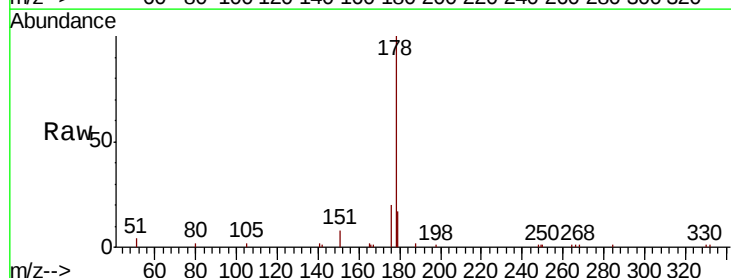
Tgt Ion:178 Resp: 5802

Ion Ratio Lower Upper

178 100

176 19.3 14.9 22.3

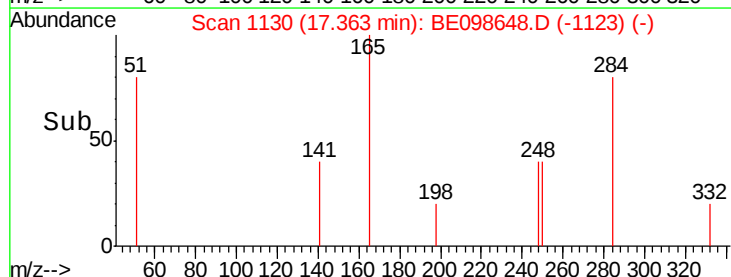
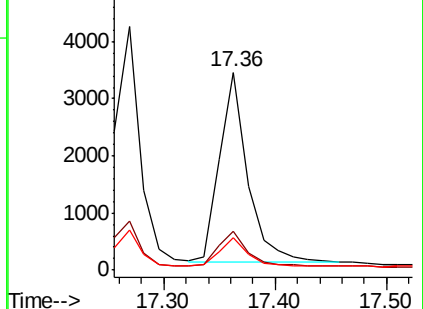
179 15.4 11.8 17.8

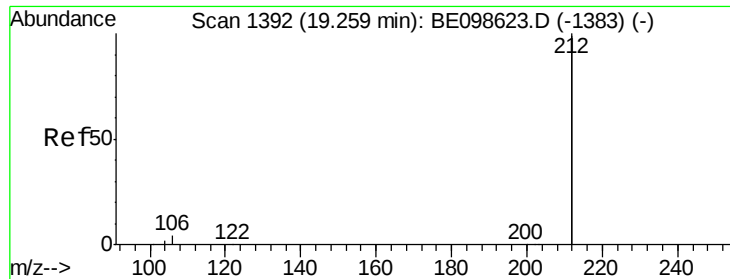


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

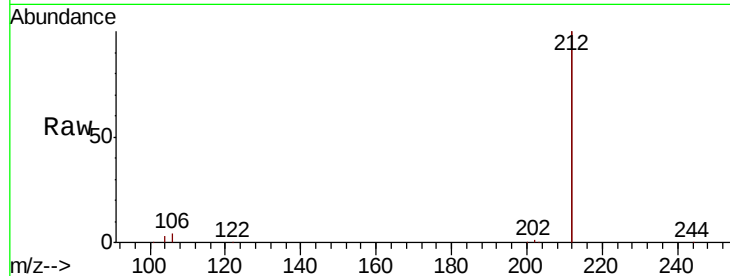
Tot Ion:212 Resp: 36820

Ion Ratio Lower Upper

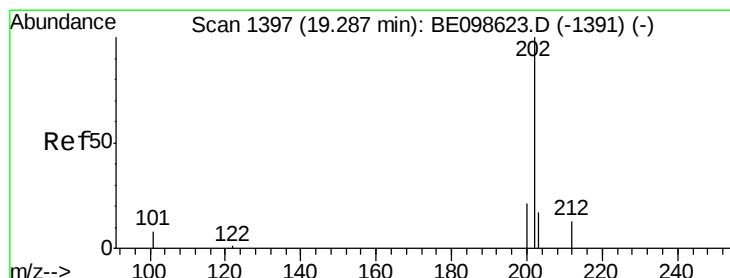
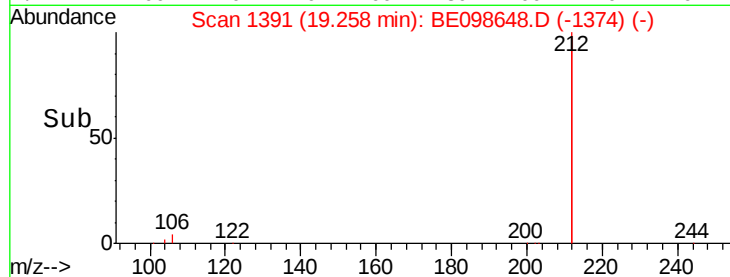
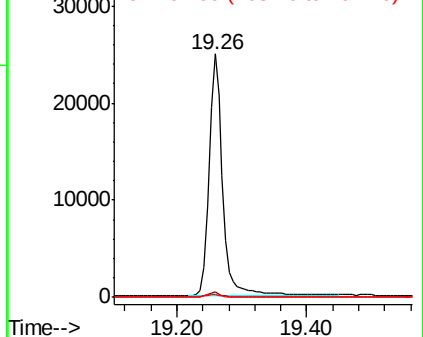
212 100

106 1.9 1.7 2.5

104 1.1 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: 0.359 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

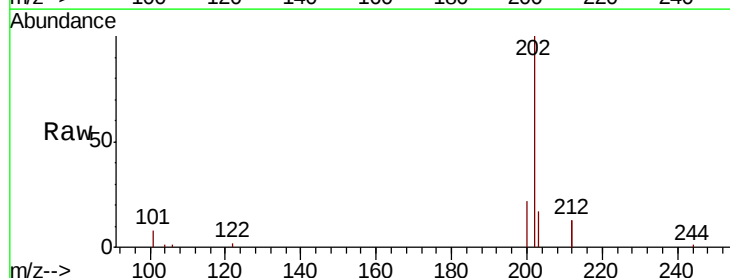
Tgt Ion:202 Resp: 8952

Ion Ratio Lower Upper

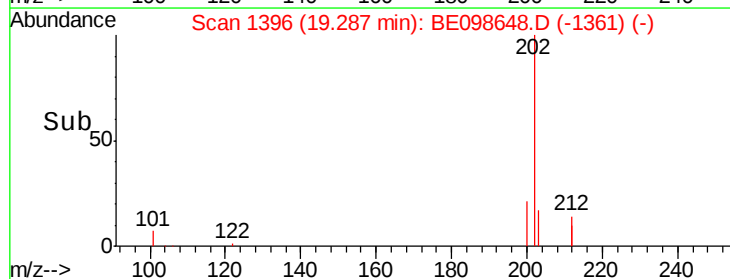
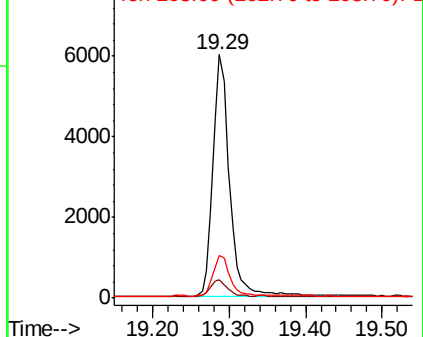
202 100

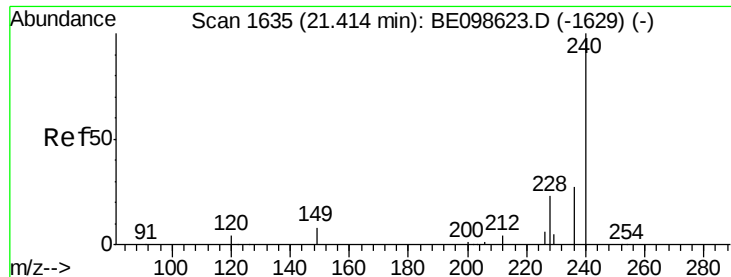
101 7.0 6.7 10.1

203 16.8 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

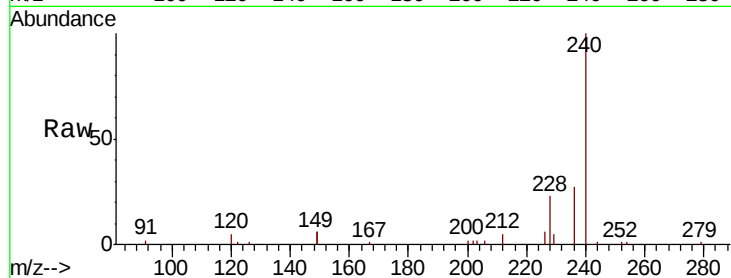




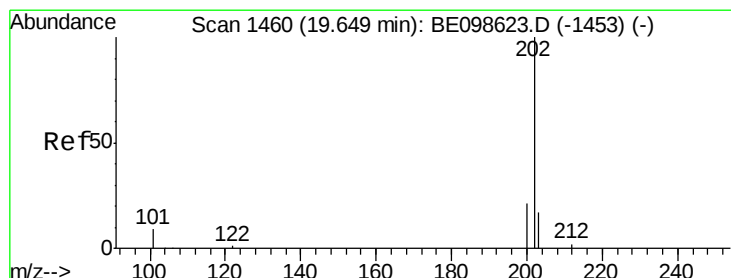
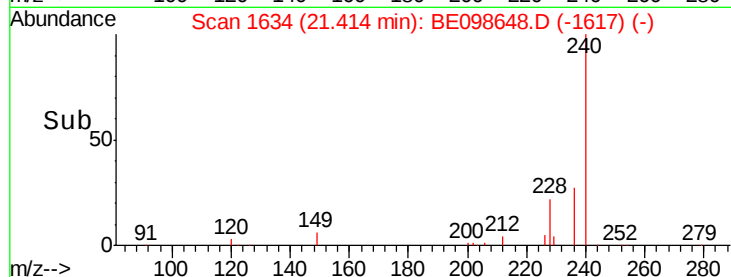
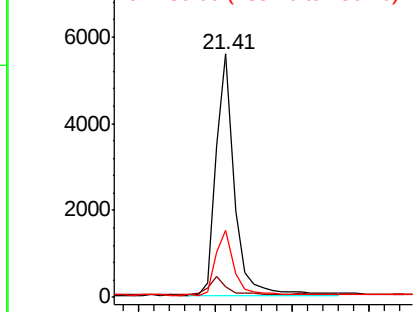
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tot Ion:240 Resp: 9274
Ion Ratio Lower Upper
240 100
120 4.5 4.7 7.1#
236 27.5 21.9 32.9

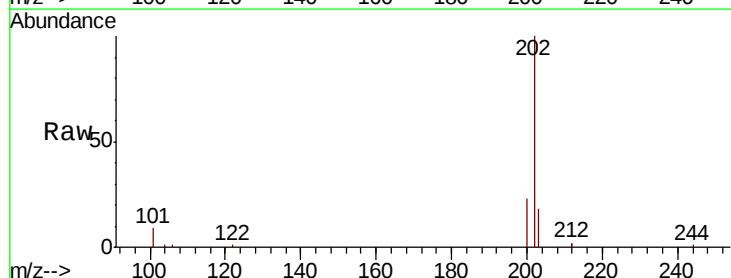


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

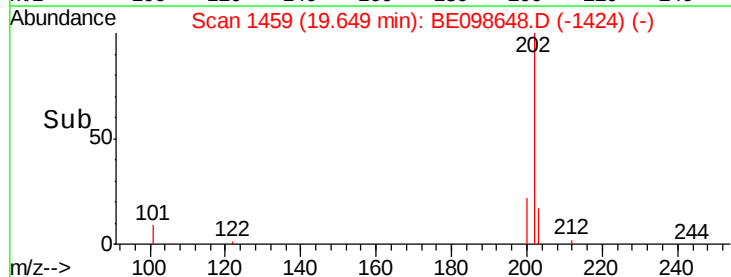
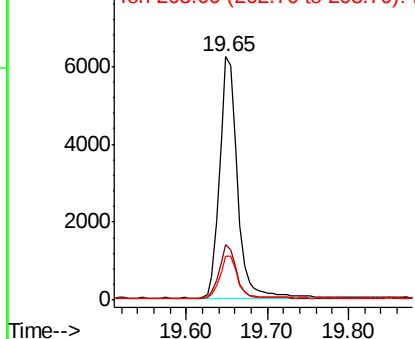


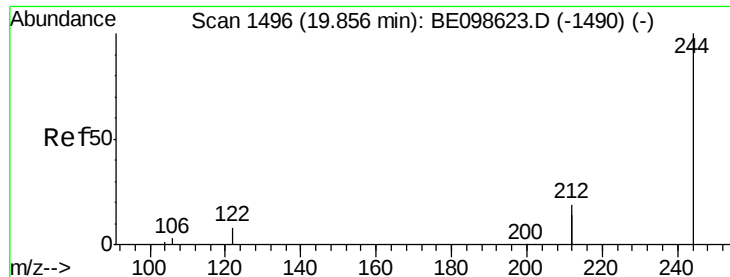
#28
Pyrene
Concen: 0.368 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:202 Resp: 9390
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 17.3 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: 0.373 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

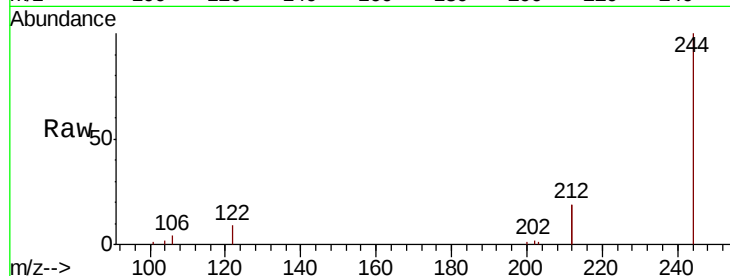
Tot Ion:244 Resp: 7650

Ion Ratio Lower Upper

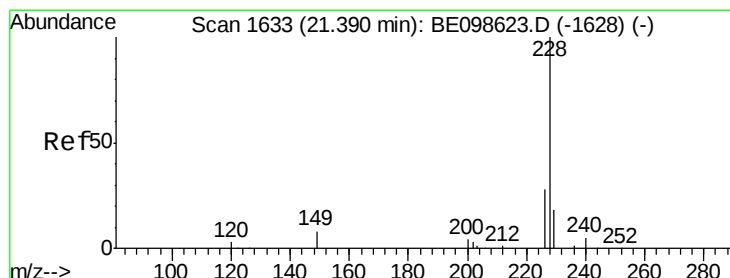
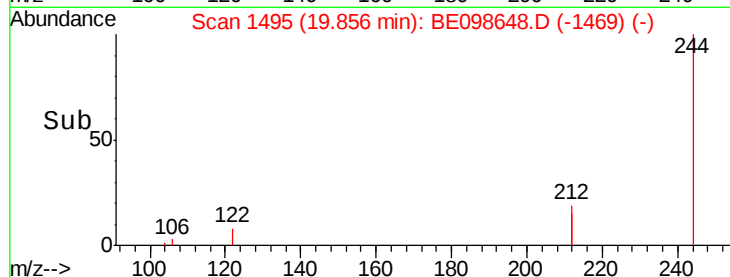
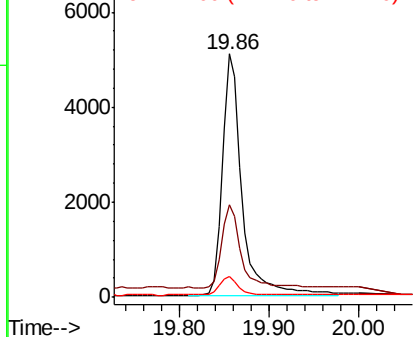
244 100

212 37.8 29.4 44.2

122 8.6 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: 0.372 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

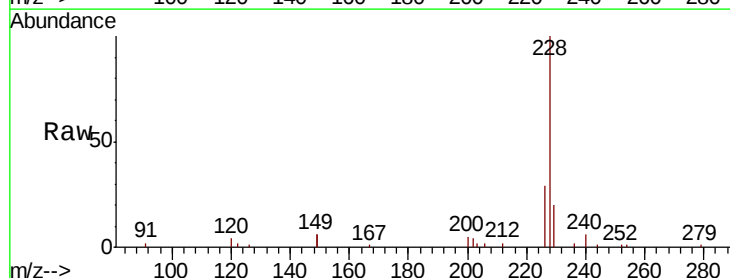
Tgt Ion:228 Resp: 9278

Ion Ratio Lower Upper

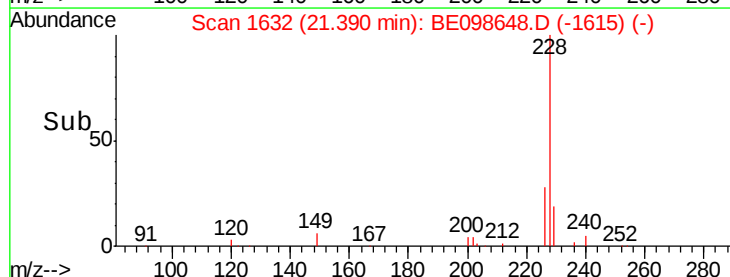
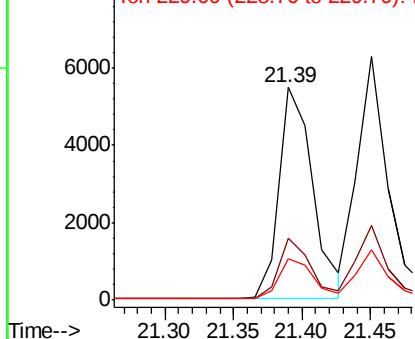
228 100

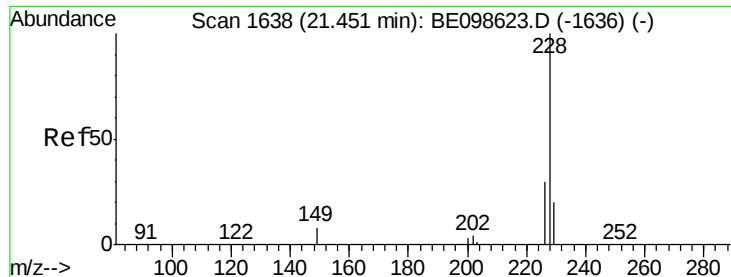
226 28.9 23.0 34.4

229 19.6 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: 0.367 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

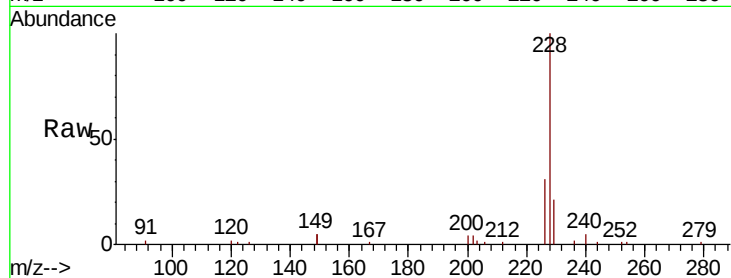
Tot Ion:228 Resp: 9491

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

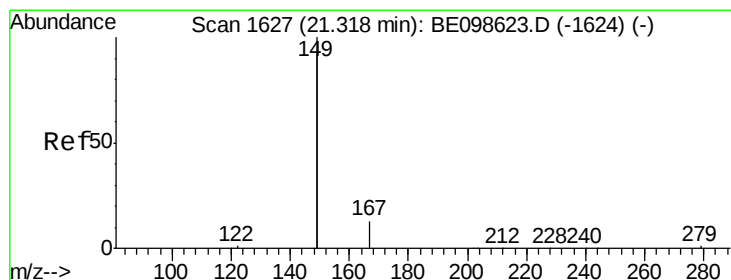
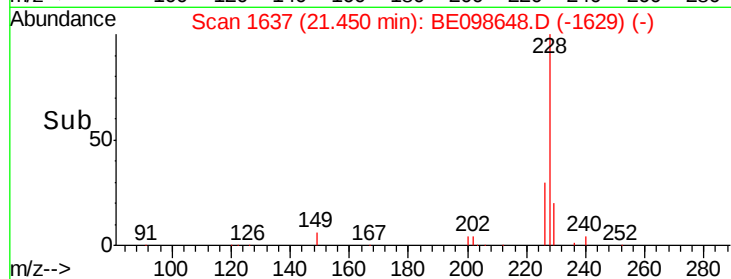
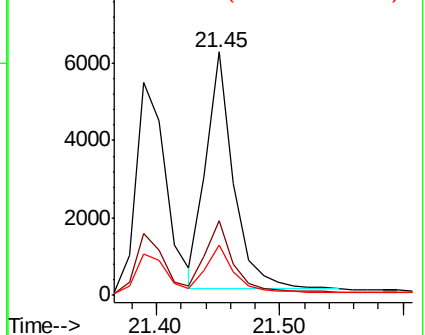
229 20.6 16.4 24.6



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: 0.352 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

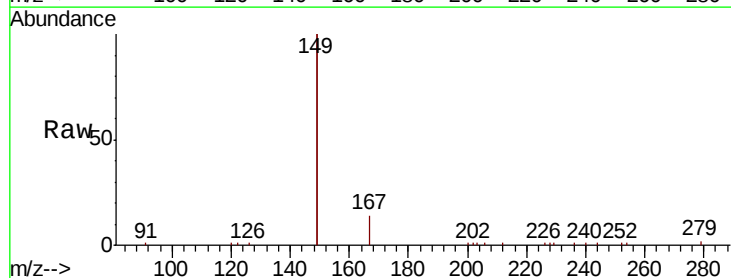
Tgt Ion:149 Resp: 18628

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.2

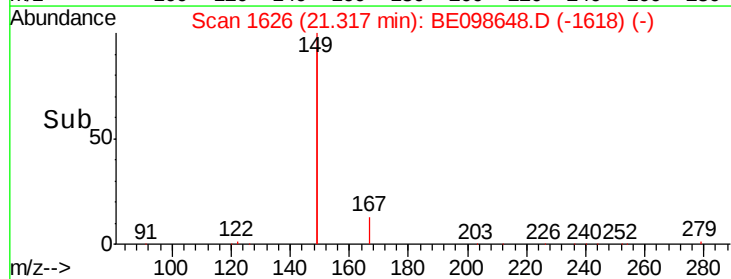
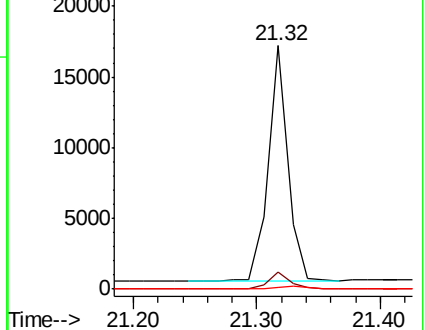
279 1.2 1.0 1.4

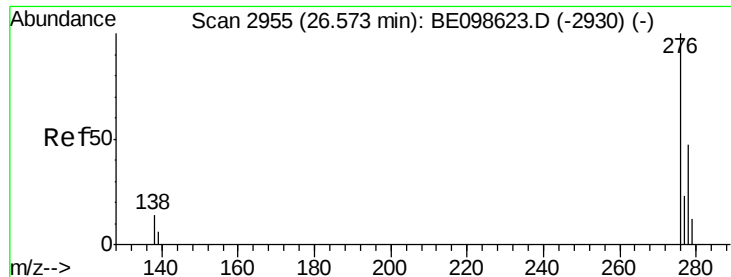


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.387 ng

RT: 26.57 min Scan# 2953

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

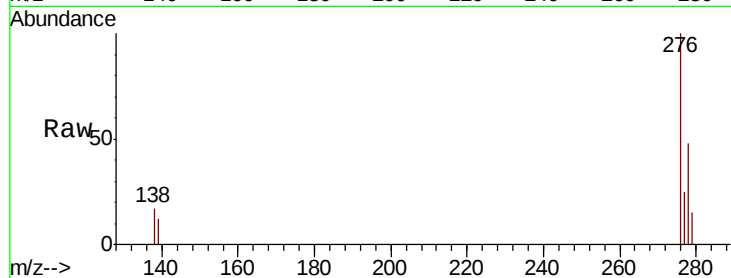
Tot Ion:276 Resp: 10310

Ion Ratio Lower Upper

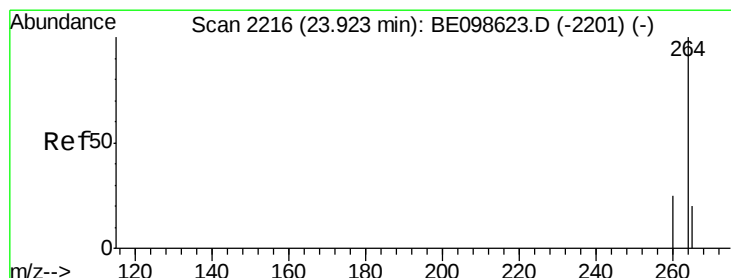
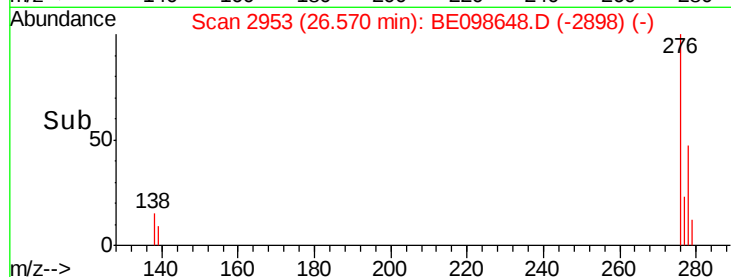
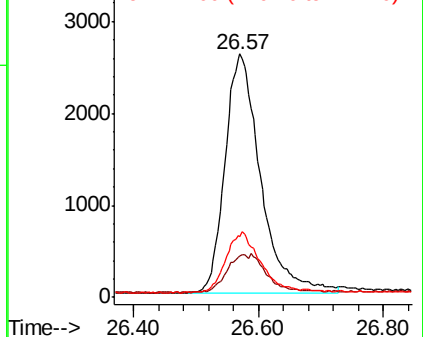
276 100

138 9.8 13.3 19.9#

277 24.0 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: BE098648.D

Acq: 17 Jan 2019 10:32

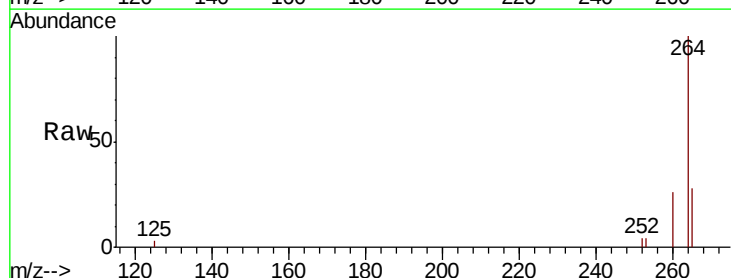
Tgt Ion:264 Resp: 9074

Ion Ratio Lower Upper

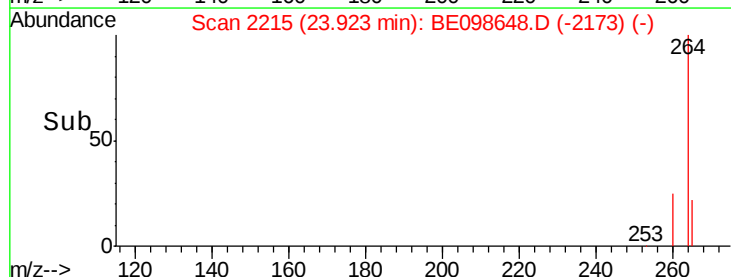
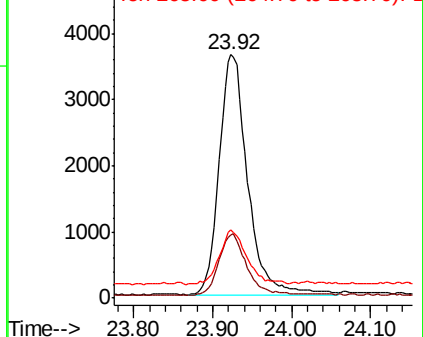
264 100

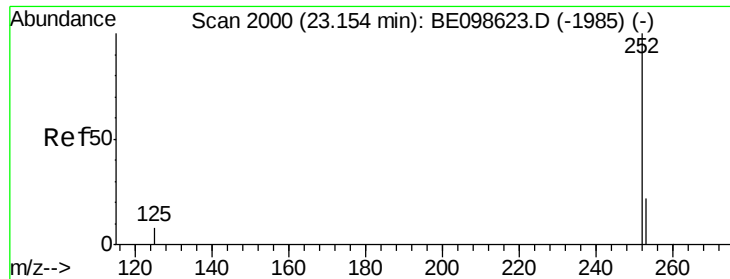
260 25.9 20.5 30.7

265 28.1 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: 0.373 ng

RT: 23.15 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

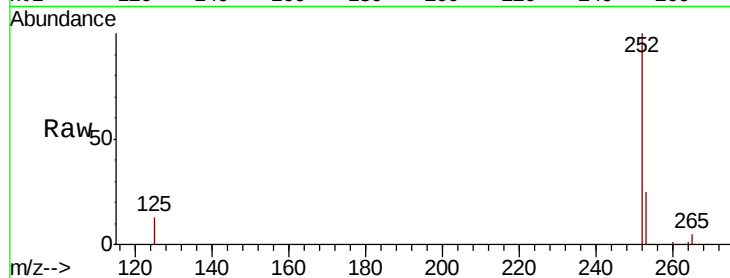
Tot Ion:252 Resp: 9230

Ion Ratio Lower Upper

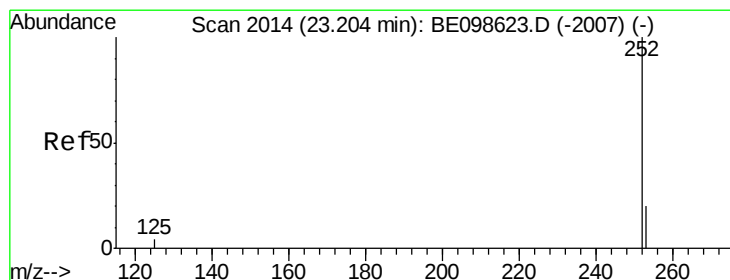
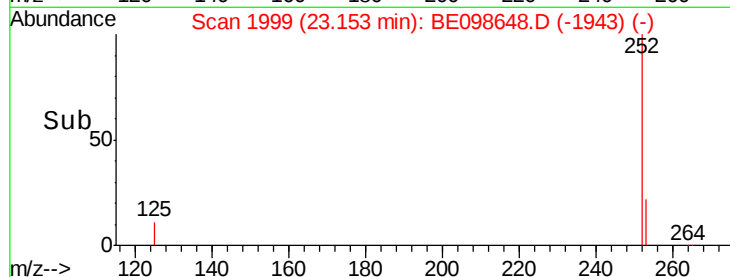
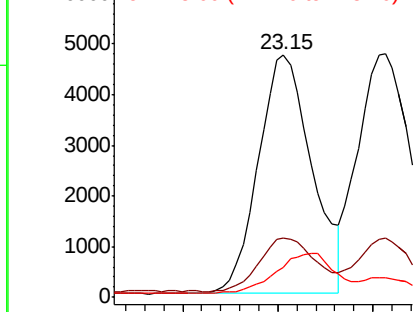
252 100

253 24.6 19.4 29.0

125 12.5 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: 0.369 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

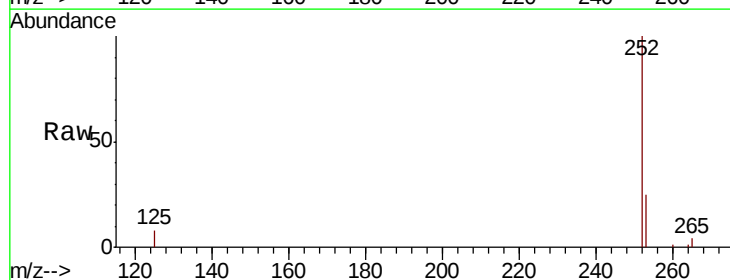
Tgt Ion:252 Resp: 9977

Ion Ratio Lower Upper

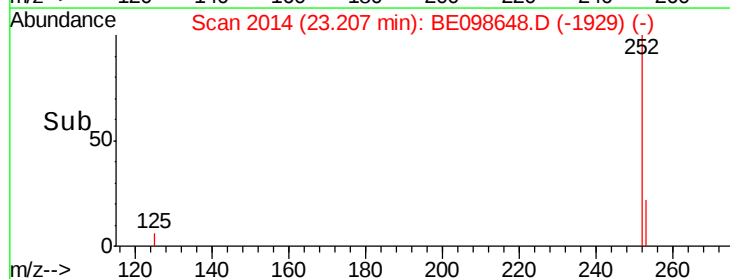
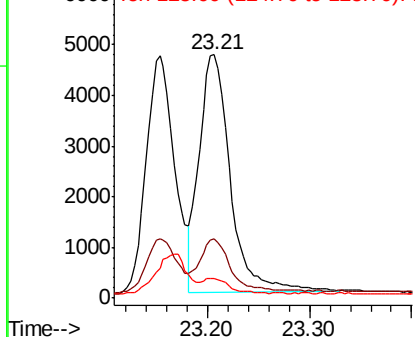
252 100

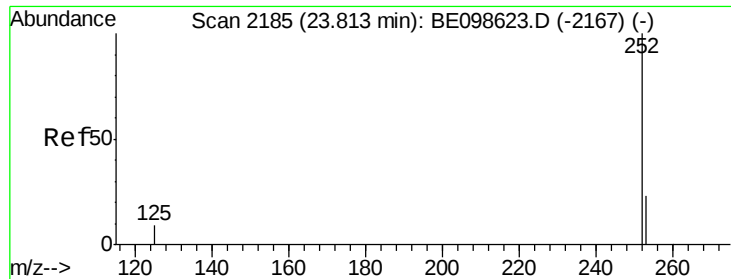
253 24.5 19.0 28.4

125 7.8 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: 0.369 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

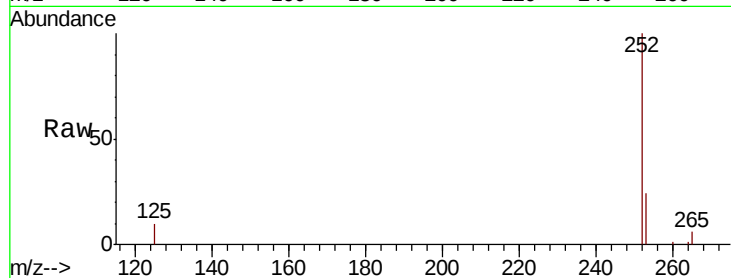
Tot Ion:252 Resp: 8980

Ion Ratio Lower Upper

252 100

253 23.8 21.0 31.4

125 9.8 9.2 13.8

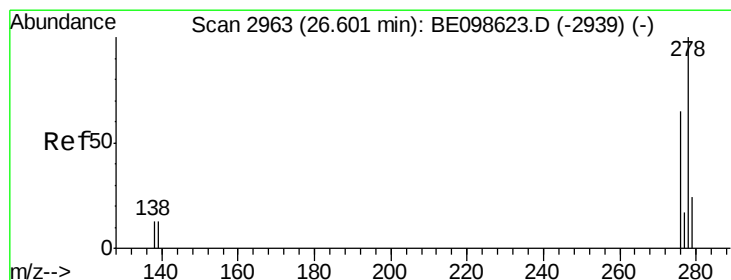
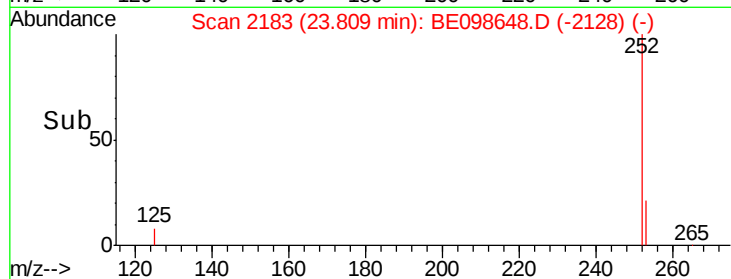
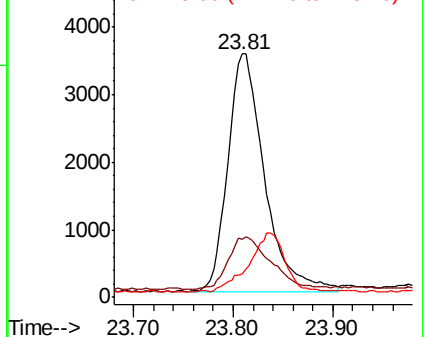


Abundance

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: 0.394 ng

RT: 26.60 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

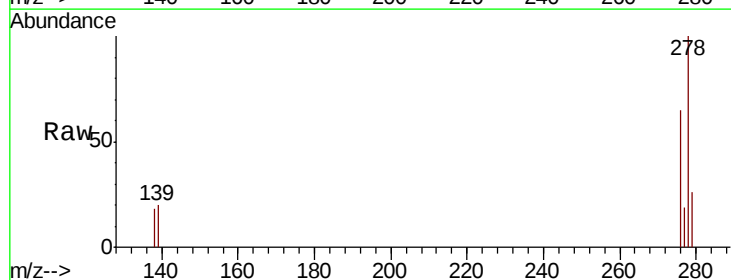
Tgt Ion:278 Resp: 8491

Ion Ratio Lower Upper

278 100

139 20.0 12.7 19.1#

279 26.1 22.0 33.0

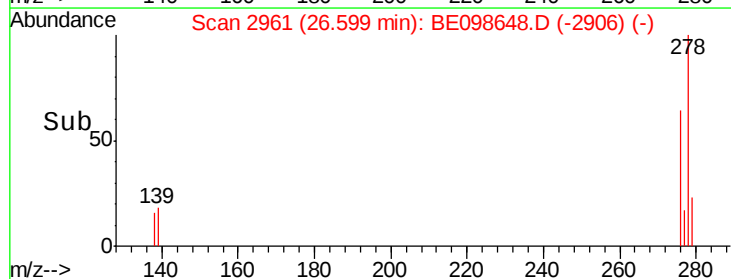
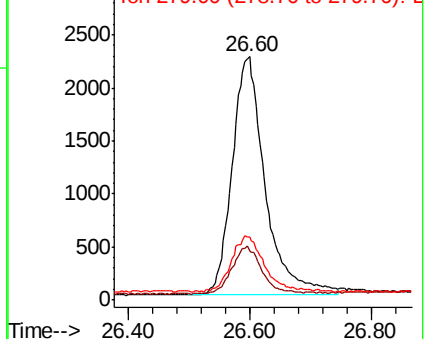


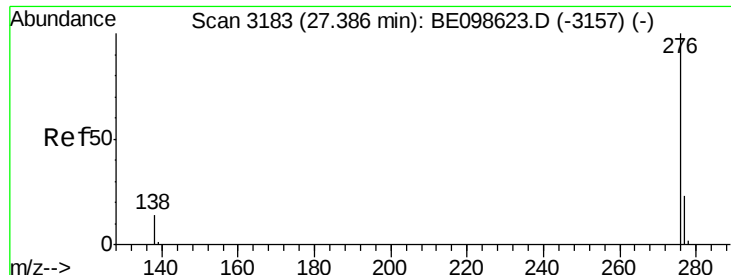
Abundance

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: 0.372 ng

RT: 27.39 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BE098648.D

Acq: 17 Jan 2019 10:32

Instrument :

BNA_E

ClientSampleId :

PB116433BSD

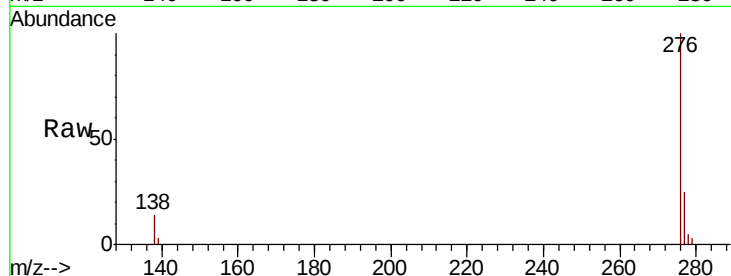
Tot Ion: 276 Resp: 8767

Ion Ratio Lower Upper

276 100

277 24.8 20.3 30.5

138 14.2 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

