

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030819\
 Data File : BE098833.D
 Acq On : 8 Mar 2019 12:29
 Operator : JU/SJ
 Sample : K1655-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A0C1-TWPMDS

Quant Time: Mar 08 13:03:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	967	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3960	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2635	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	6517	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	7951	0.40	ng	-0.01
34) Perylene-d12	23.90	264	7747	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	321	0.11	ng	0.01
5) Phenol-d6	6.97	99	342	0.08	ng	-0.01
8) Nitrobenzene-d5	8.95	82	1432	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.19	152	2869	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	408	0.31	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	4738	0.43	ng	-0.01
25) Fluoranthene-d10	19.24	212	39305	0.38	ng	0.00
29) Terphenyl-d14	19.84	244	10106	0.52	ng	0.00

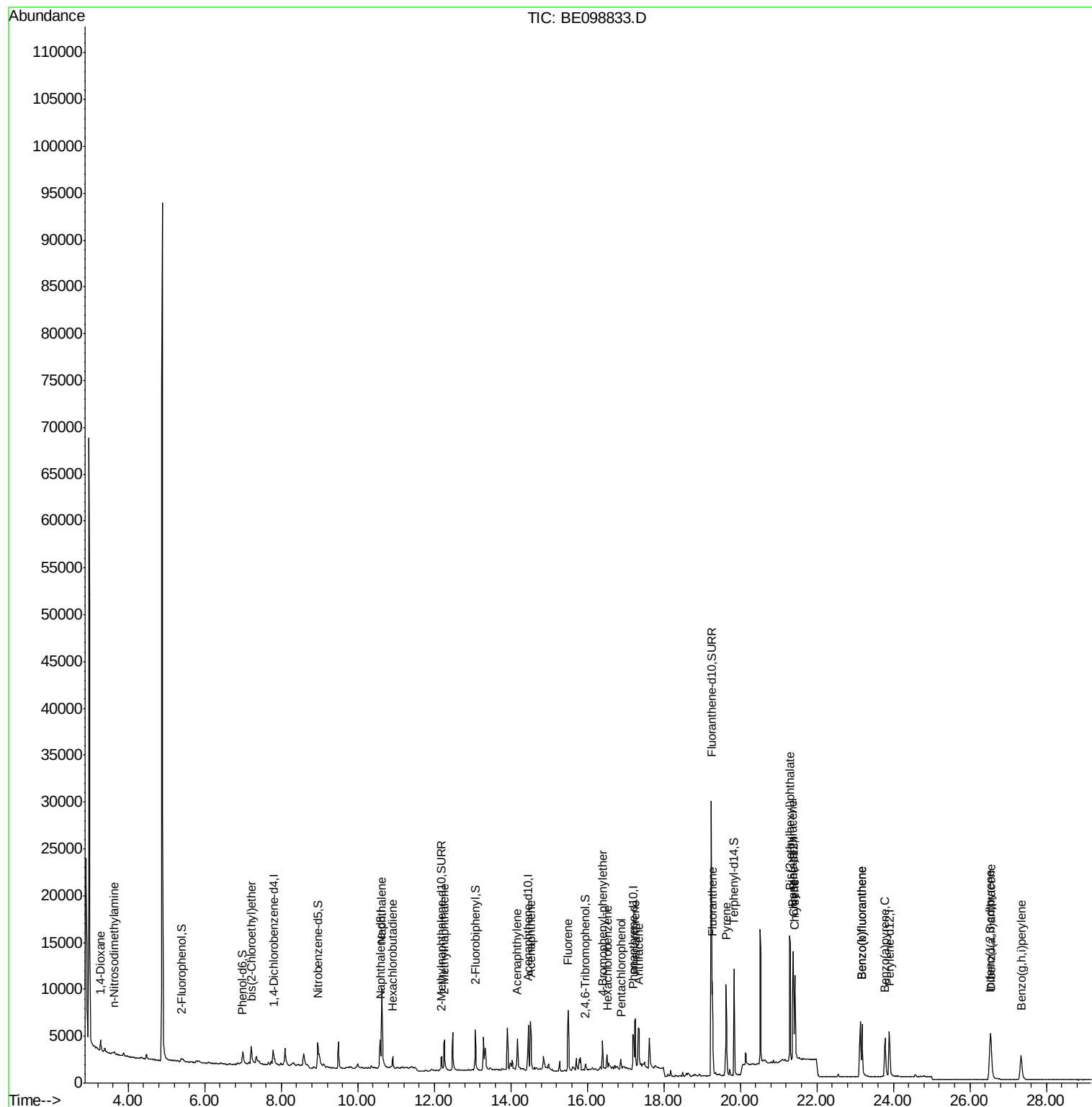
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	674	0.348	ng	# 61
3) n-Nitrosodimethylamine	3.63	42	272	0.112	ng	# 14
6) bis(2-Chloroethyl)ether	7.22	93	997	0.316	ng	# 78
9) Naphthalene	10.63	128	16853	0.372	ng	100
10) Hexachlorobutadiene	10.91	225	874	0.291	ng	98
12) 2-Methylnaphthalene	12.27	142	2890	0.393	ng	99
16) Acenaphthylene	14.17	152	4444	0.328	ng	97
17) Acenaphthene	14.51	154	2691	0.335	ng	99
18) Fluorene	15.50	166	3900	0.336	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	1349	0.382	ng	89
21) Hexachlorobenzene	16.52	284	1363	0.325	ng	98
22) Pentachlorophenol	16.88	266	741	0.783	ng	# 80
23) Phenanthrene	17.25	178	7079	0.382	ng	96
24) Anthracene	17.35	178	5897	0.372	ng	98
26) Fluoranthene	19.27	202	8906	0.341	ng	99
28) Pyrene	19.63	202	9245	0.380	ng	99
30) Benzo(a)anthracene	21.38	228	8847	0.357	ng	99
31) Chrysene	21.43	228	9170	0.345	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	18811	0.356	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	8217	0.293	ng	99
35) Benzo(b)fluoranthene	23.18	252	9119	0.358	ng	98
36) Benzo(k)fluoranthene	23.18	252	9119	0.342	ng	100
37) Benzo(a)pyrene	23.78	252	7710	0.316	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	6744	0.292	ng	98
39) Benzo(g,h,i)perylene	27.34	276	6719	0.278	ng	98

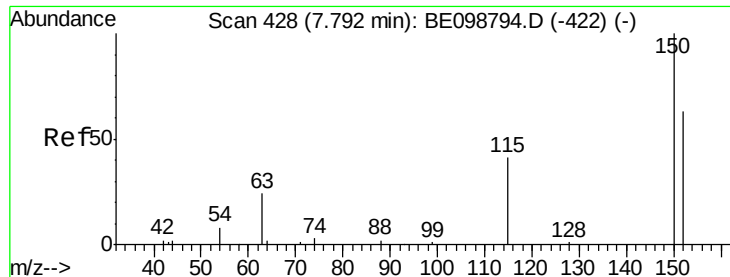
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030819\
Data File : BE098833.D
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Operator : JU/SJ
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A0C1-TWPMSD

Quant Time: Mar 08 13:03:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. 0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

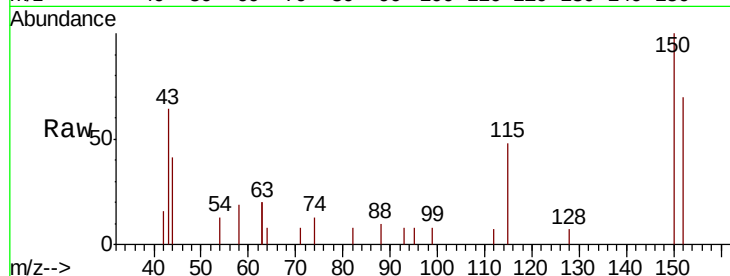
Tot Ion:152 Resp: 967

Ion Ratio Lower Upper

152 100

150 143.6 122.5 183.7

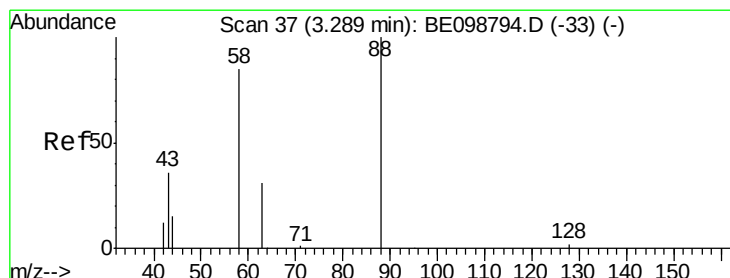
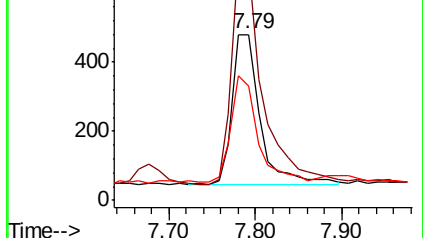
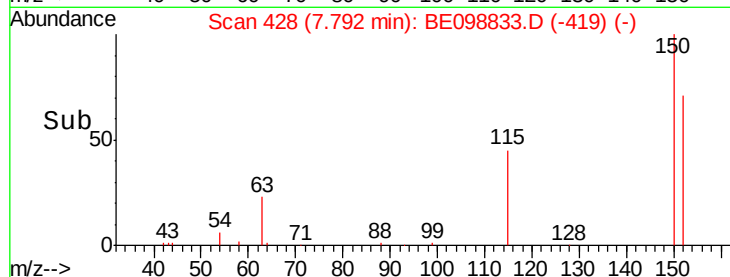
115 68.7 57.4 86.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.348 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

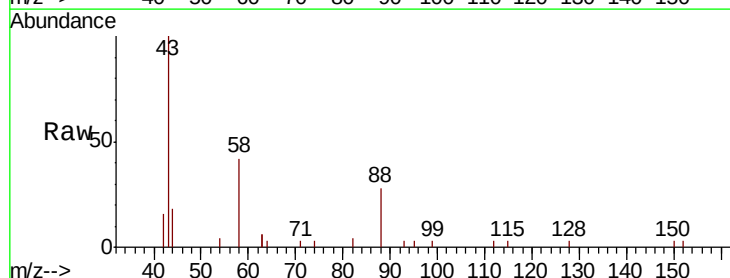
Tgt Ion: 88 Resp: 674

Ion Ratio Lower Upper

88 100

58 111.3 75.8 113.6

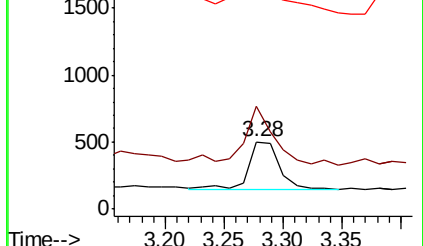
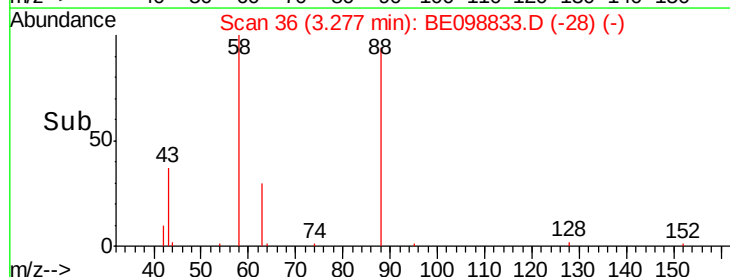
43 107.7 41.8 62.8#

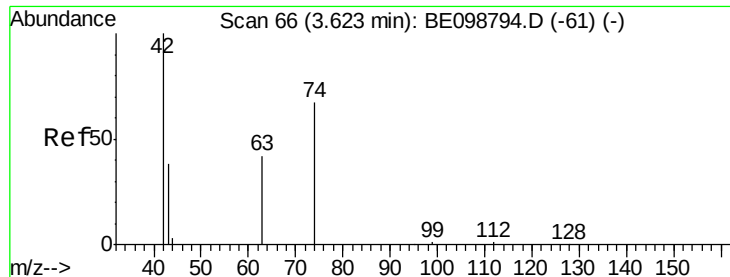


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



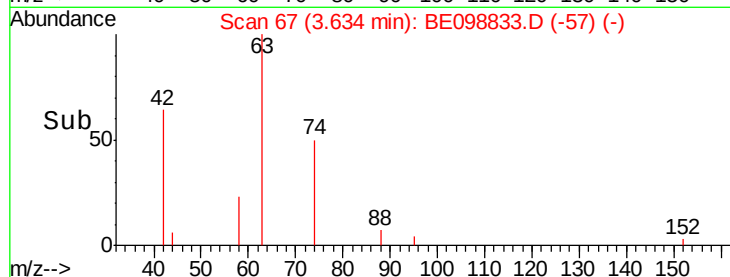
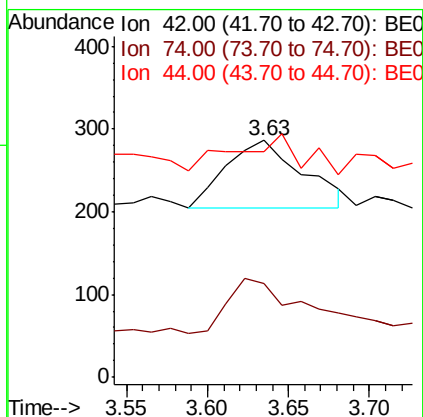
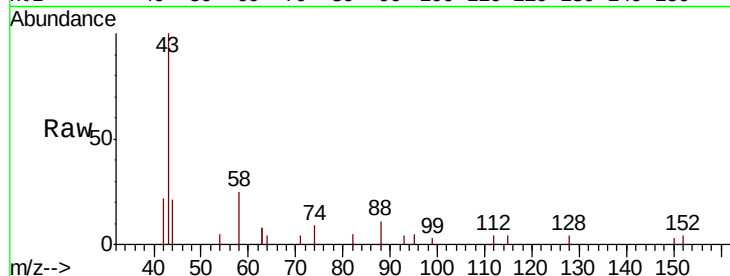


#3

n-Nitrosodimethylamine
 Concen: 0.112 ng
 RT: 3.63 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: BE098833.D
 Acq: 8 Mar 2019 12:29

Instrument :
 BNA_E
 ClientSampleId :
 A0C1-TWPMDS

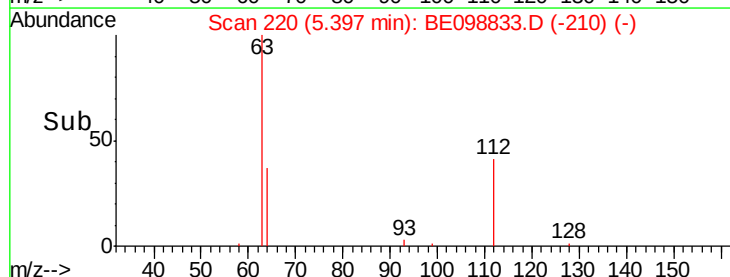
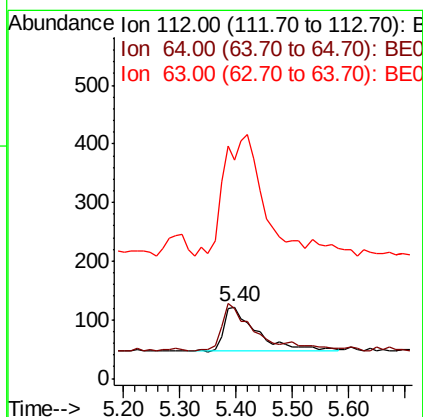
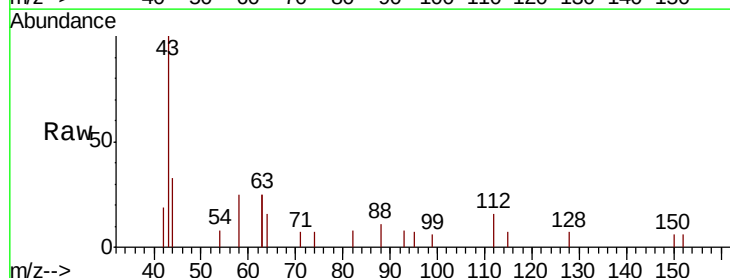
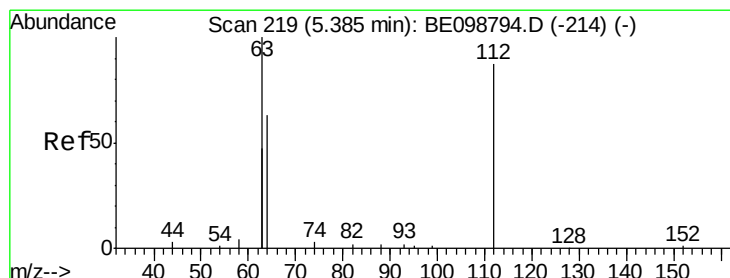
Tot Ion: 42 Resp: 272
 Ion Ratio Lower Upper
 42 100
 74 0.0 57.0 85.4#
 44 50.7 0.0 0.0#

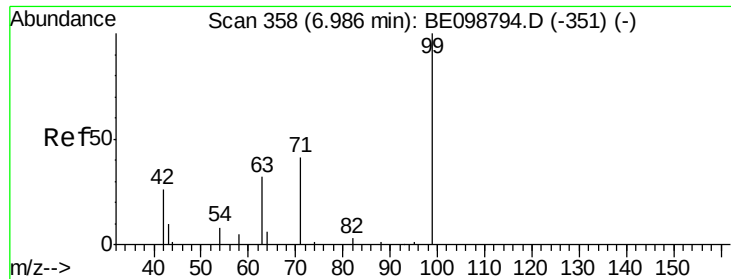


#4

2-Fluorophenol
 Concen: 0.111 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE098833.D
 Acq: 8 Mar 2019 12:29

Tgt Ion: 112 Resp: 321
 Ion Ratio Lower Upper
 112 100
 64 89.1 57.9 86.9#
 63 0.0 158.3 237.5#





#5

Phenol-d6

Concen: 0.084 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

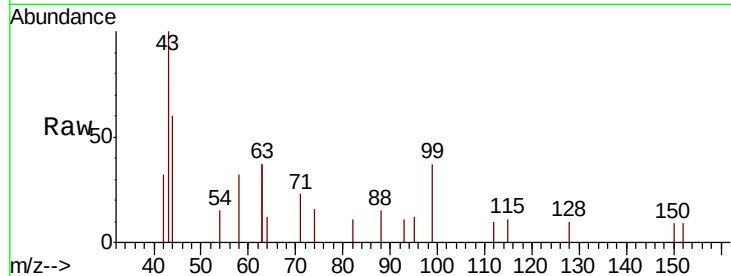
Tot Ion: 99 Resp: 342

Ion Ratio Lower Upper

99 100

42 30.1 24.2 36.2

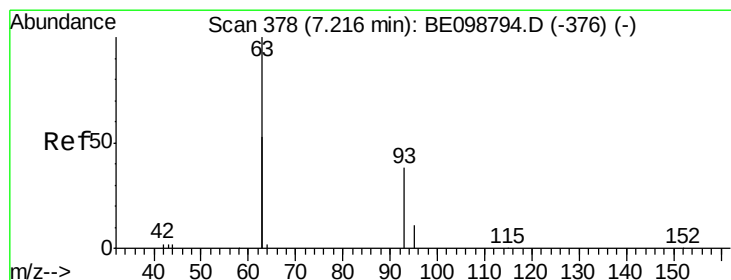
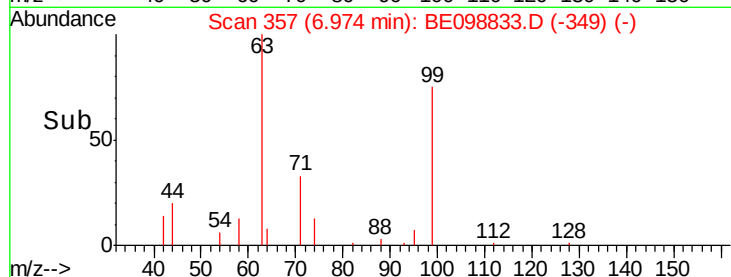
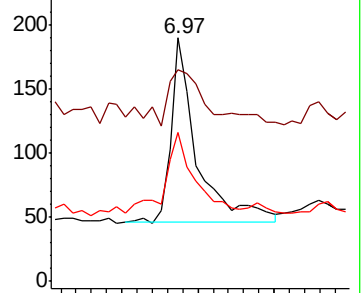
71 50.3 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.316 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

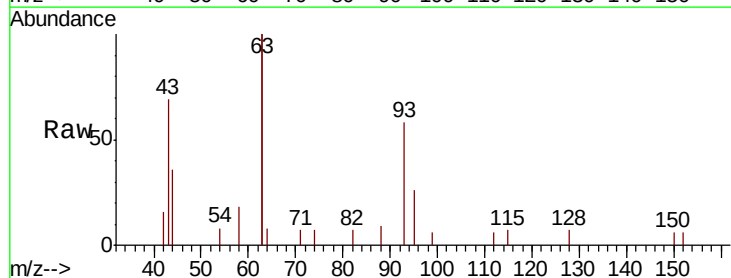
Tgt Ion: 93 Resp: 997

Ion Ratio Lower Upper

93 100

63 354.6 247.5 371.3

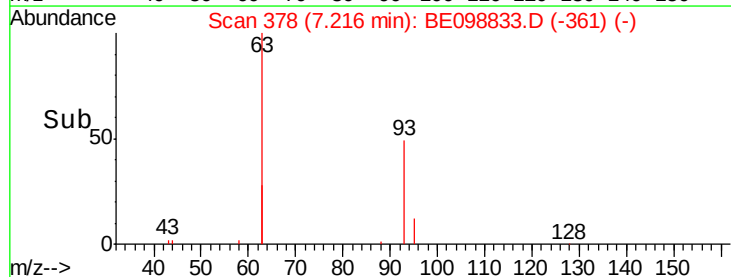
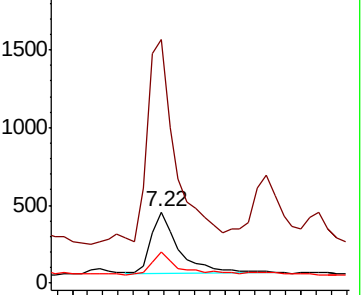
95 34.8 21.8 32.8#

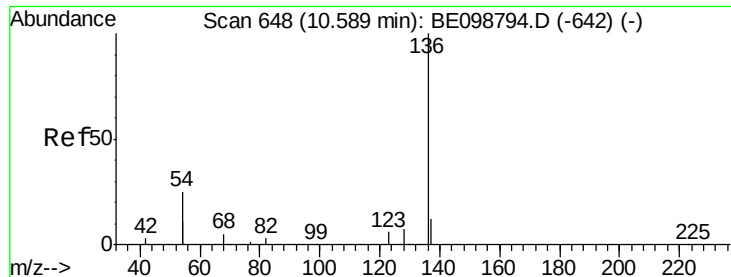


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

Tot Ion:136 Resp: 3960

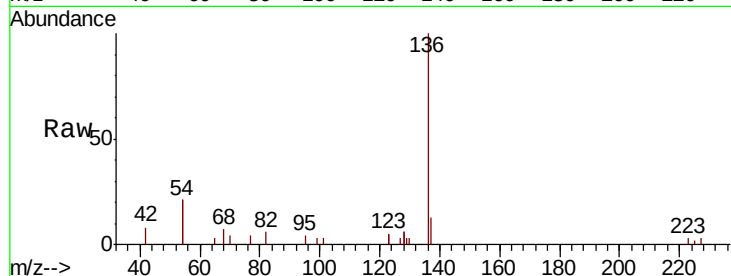
Ion Ratio Lower Upper

136 100

137 13.2 11.4 17.0

54 41.5 39.3 58.9

68 7.0 6.7 10.1

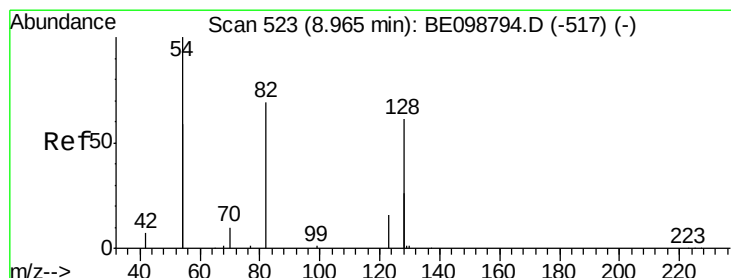
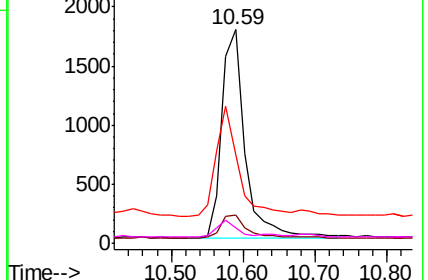
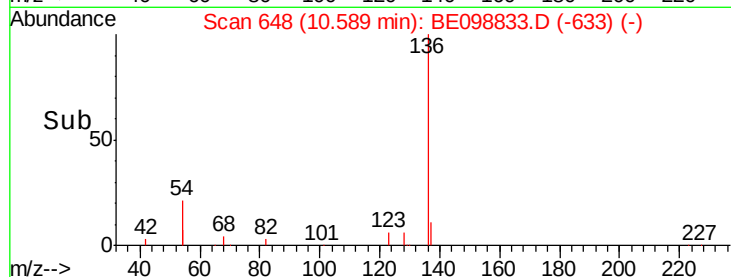


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.345 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

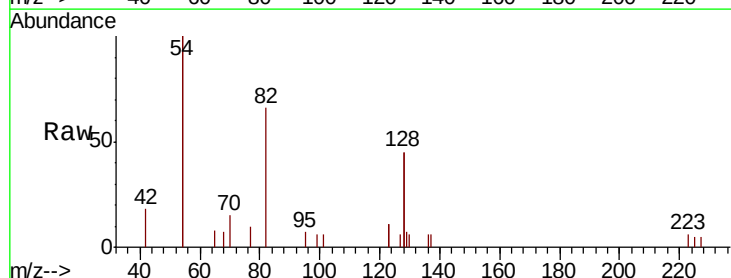
Tgt Ion: 82 Resp: 1432

Ion Ratio Lower Upper

82 100

128 136.6 123.8 185.8

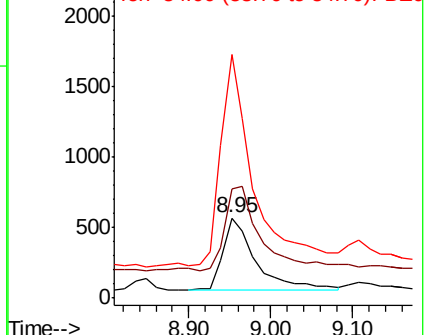
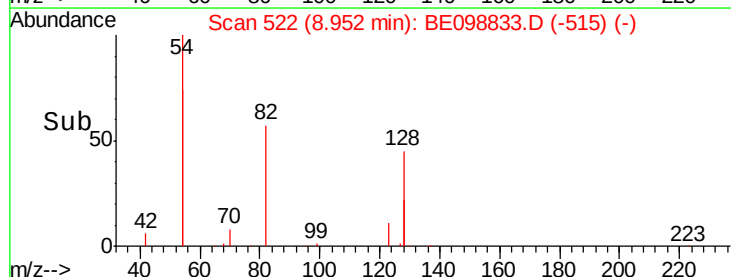
54 304.6 203.4 305.2

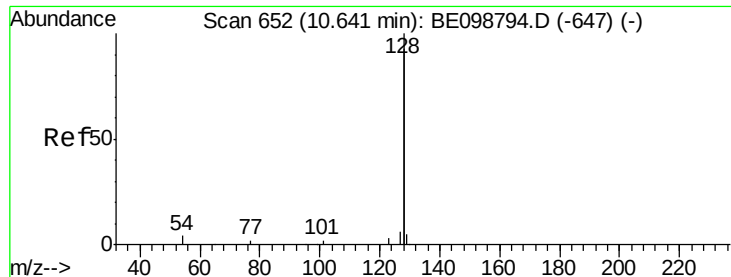


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.372 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

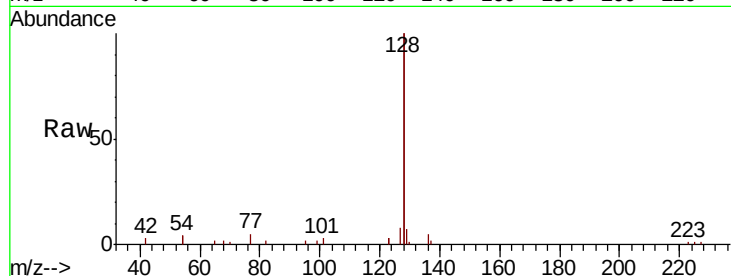
Tot Ion:128 Resp: 16853

Ion Ratio Lower Upper

128 100

129 3.4 2.6 4.0

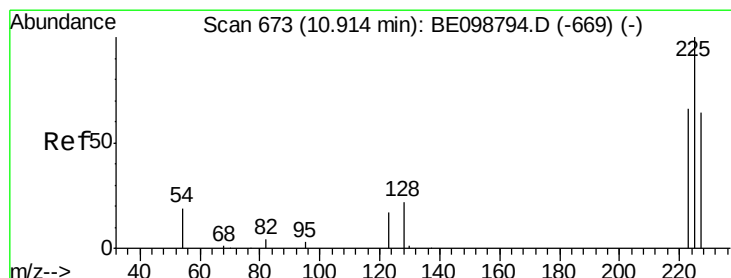
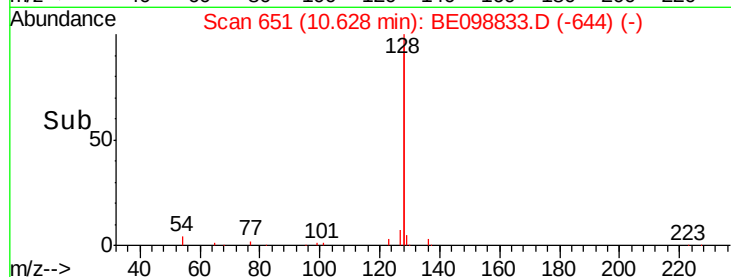
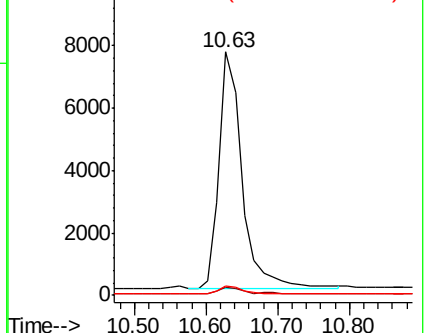
127 4.1 3.1 4.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.291 ng

RT: 10.91 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

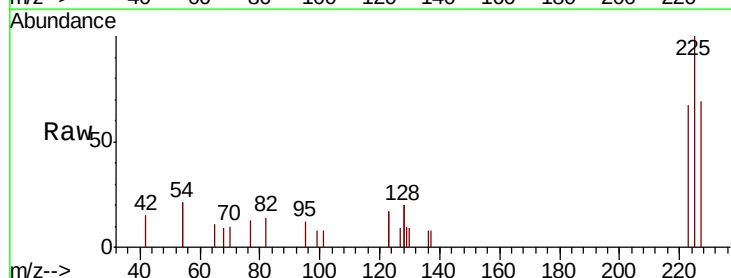
Tgt Ion:225 Resp: 874

Ion Ratio Lower Upper

225 100

223 66.9 51.1 76.7

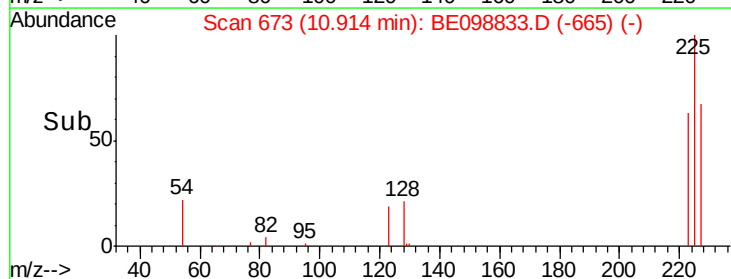
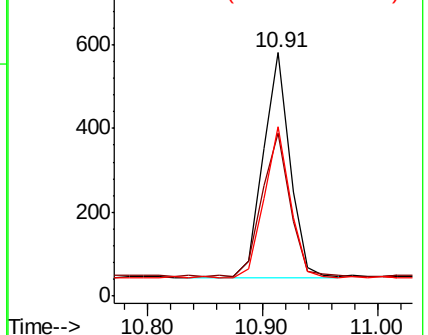
227 65.3 51.6 77.4

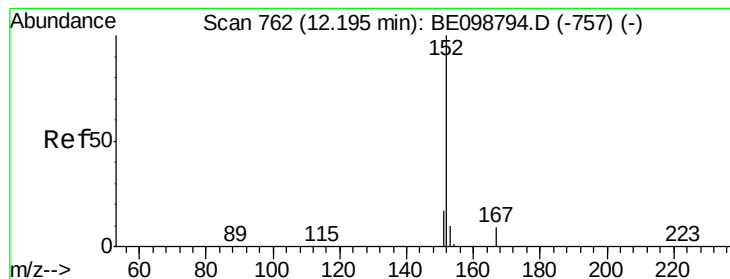


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

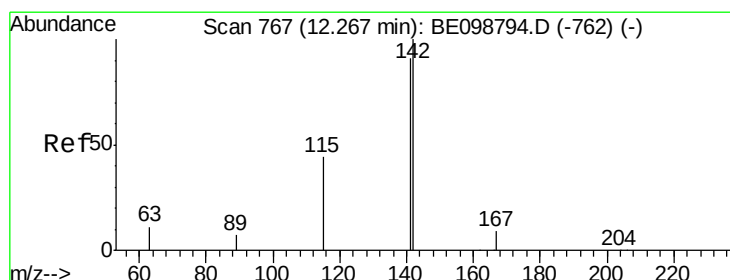
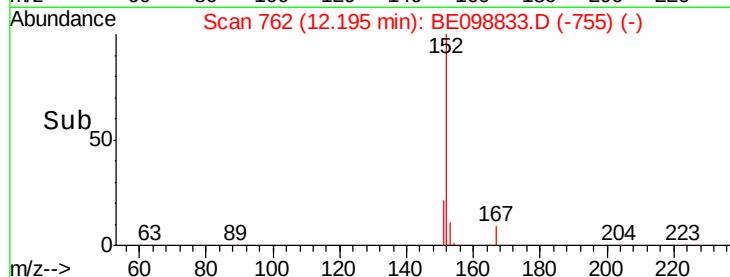
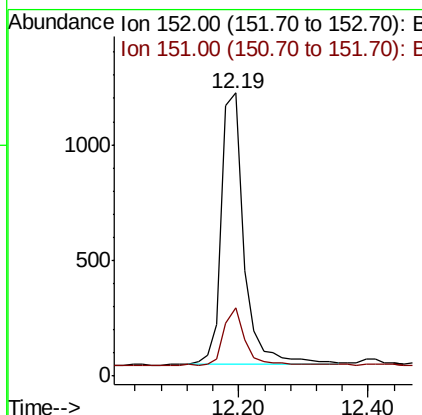
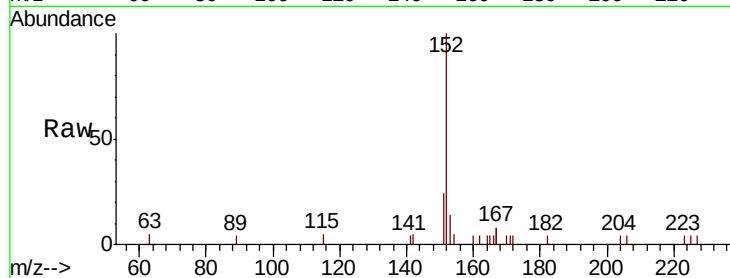




#11
 2-Methylnaphthalene-d10
 Concen: 0.392 ng
 RT: 12.19 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE098833.D
 Acq: 8 Mar 2019 12:29

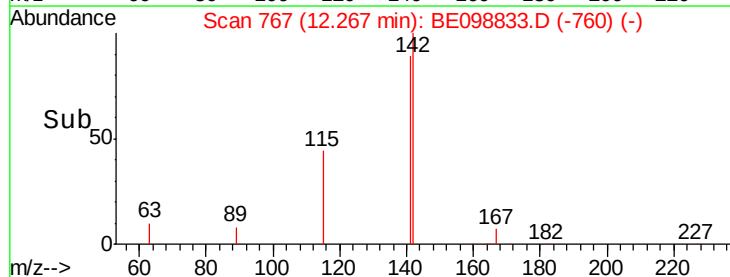
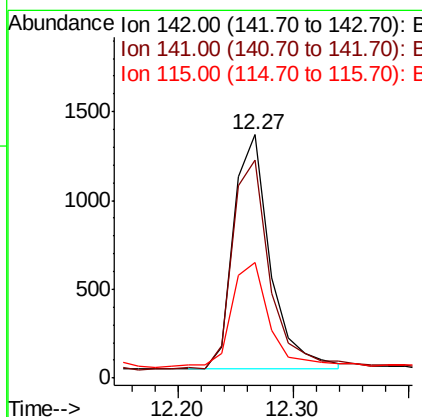
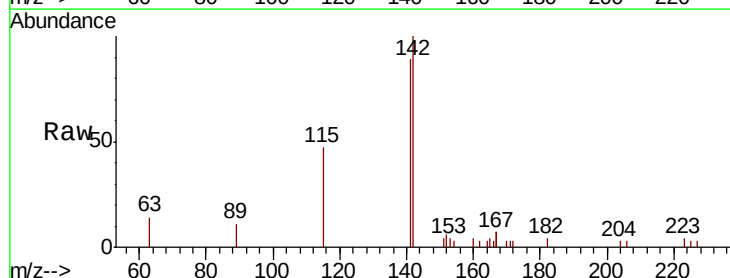
Instrument :
 BNA_E
 ClientSampleId :
 A0C1-TWPMDS

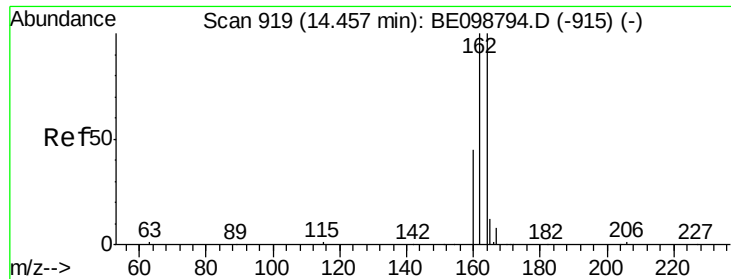
Tot Ion:152 Resp: 2869
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.5 24.7



#12
 2-Methylnaphthalene
 Concen: 0.393 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098833.D
 Acq: 8 Mar 2019 12:29

Tgt Ion:142 Resp: 2890
 Ion Ratio Lower Upper
 142 100
 141 89.4 72.6 108.8
 115 47.3 37.4 56.2

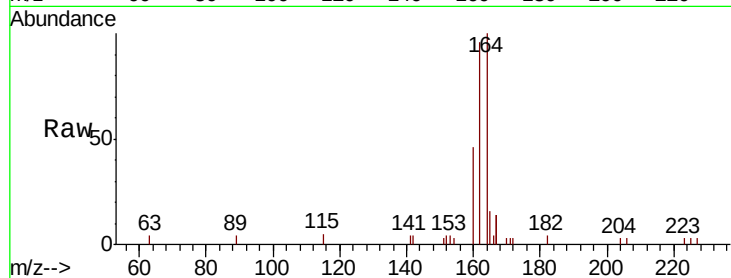




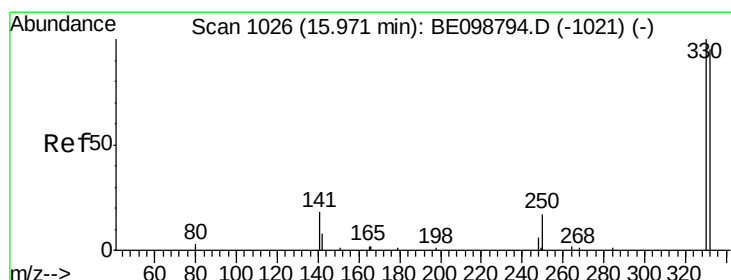
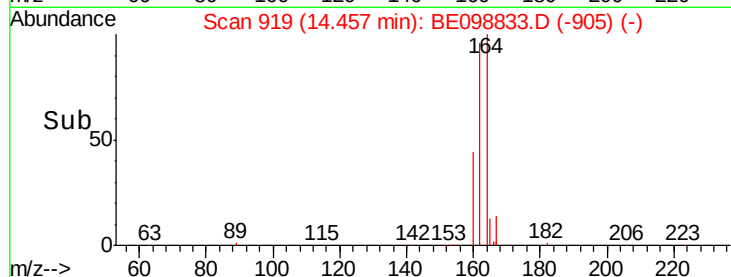
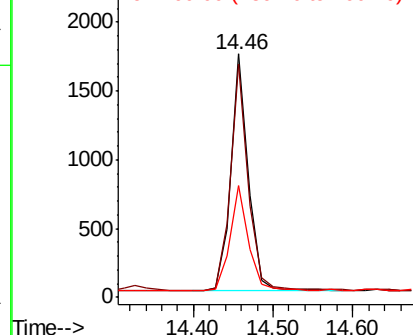
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

Instrument :
BNA_E
ClientSampleId :
A0C1-TWPMDS

Tot Ion:164 Resp: 2635
Ion Ratio Lower Upper
164 100
162 96.0 80.2 120.2
160 45.7 37.8 56.8

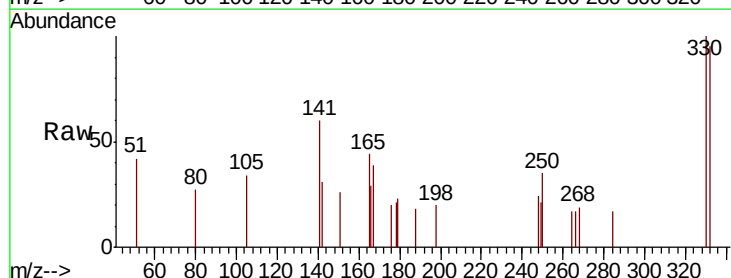


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

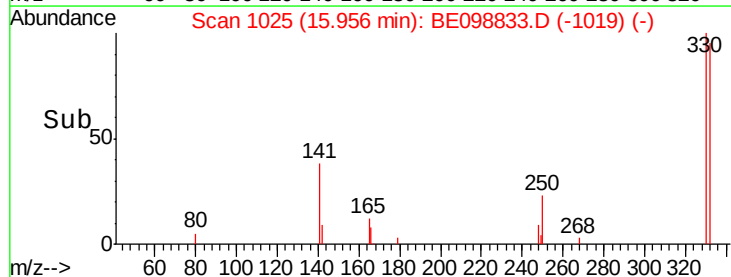
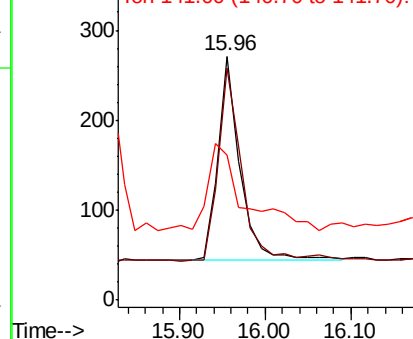


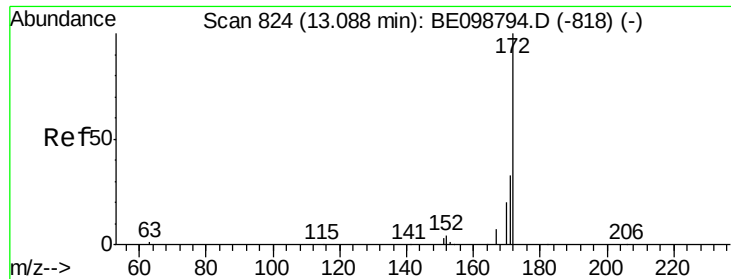
#14
2,4,6-Tribromophenol
Concen: 0.307 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

Tgt Ion:330 Resp: 408
Ion Ratio Lower Upper
330 100
332 104.2 77.6 116.4
141 66.7 31.0 46.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

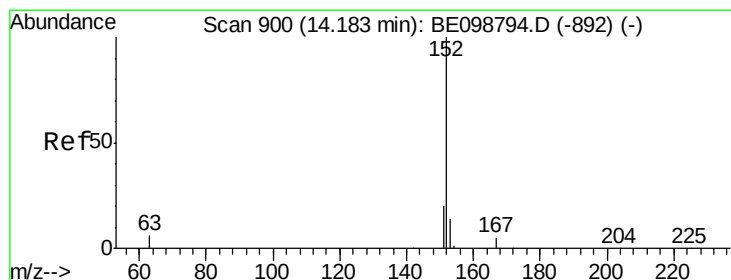
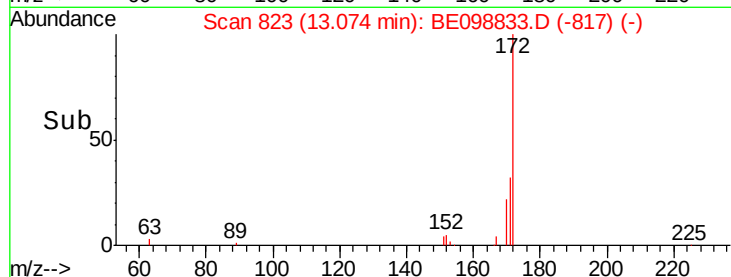
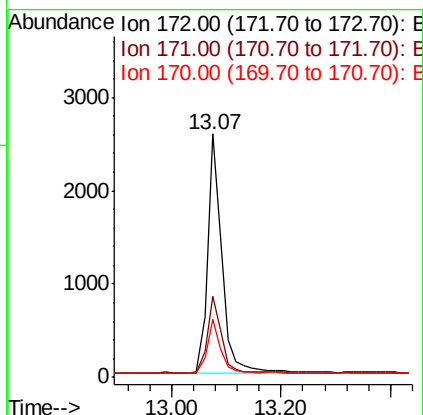
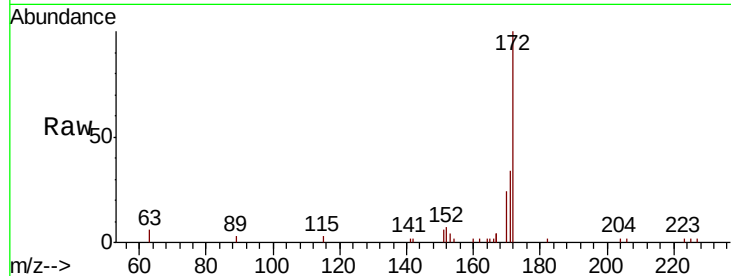




#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

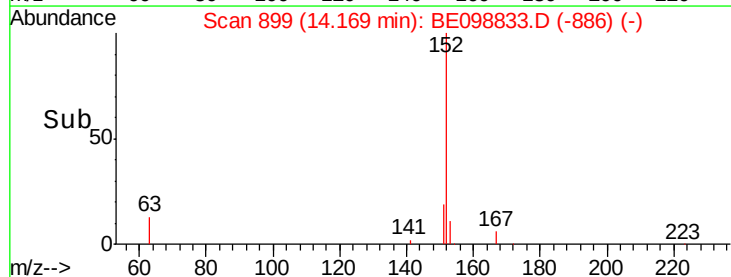
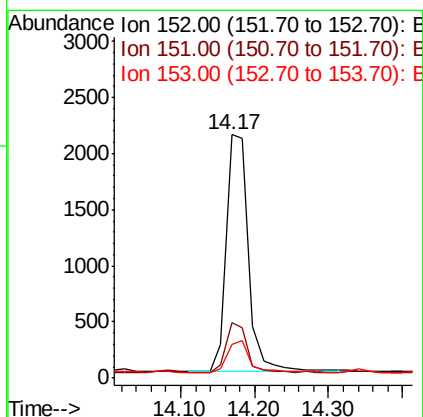
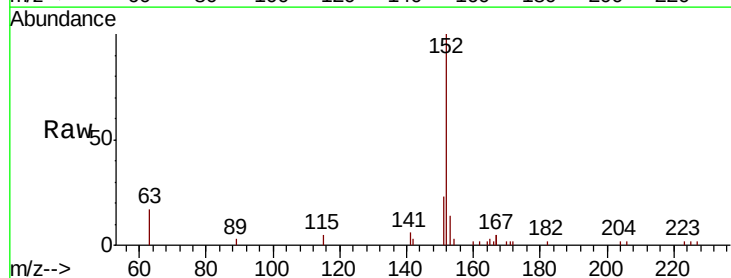
Instrument :
BNA_E
ClientSampleId :
A0C1-TWPMDS

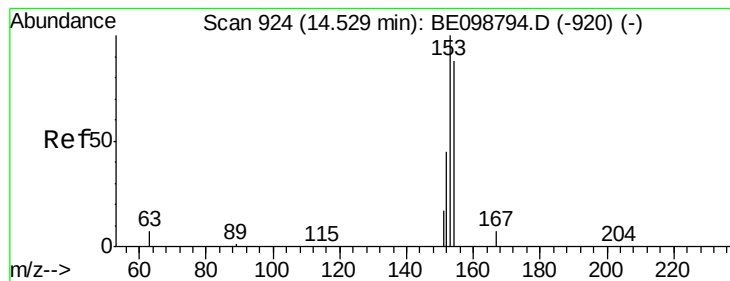
Tot Ion:172 Resp: 4738
Ion Ratio Lower Upper
172 100
171 33.5 28.0 42.0
170 23.8 17.7 26.5



#16
Acenaphthylene
Concen: 0.328 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

Tgt Ion:152 Resp: 4444
Ion Ratio Lower Upper
152 100
151 19.4 17.0 25.6
153 13.3 11.2 16.8





#17

Acenaphthene

Concen: 0.335 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

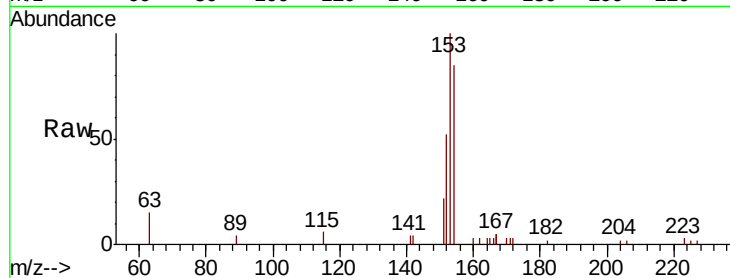
Tot Ion:154 Resp: 2691

Ion Ratio Lower Upper

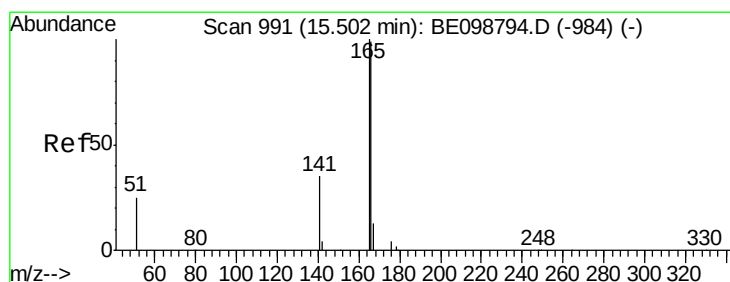
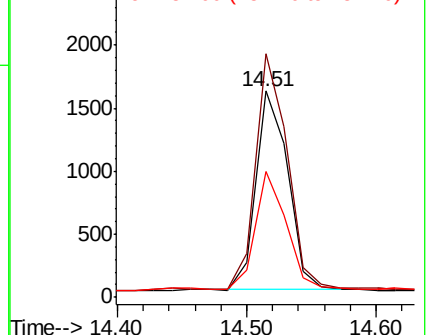
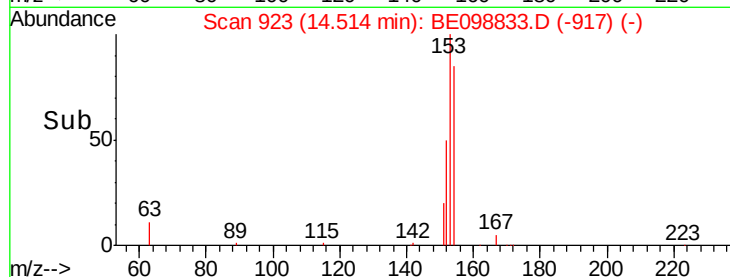
154 100

153 117.9 94.2 141.4

152 57.5 45.0 67.4



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



#18

Fluorene

Concen: 0.336 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

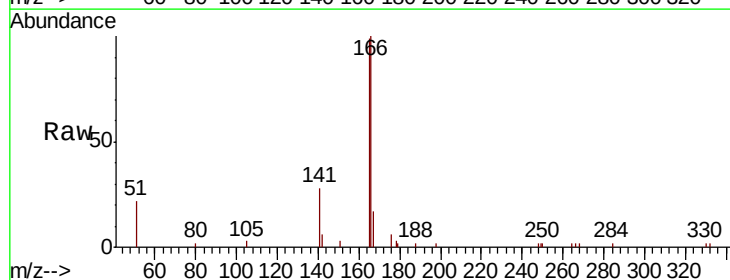
Tgt Ion:166 Resp: 3900

Ion Ratio Lower Upper

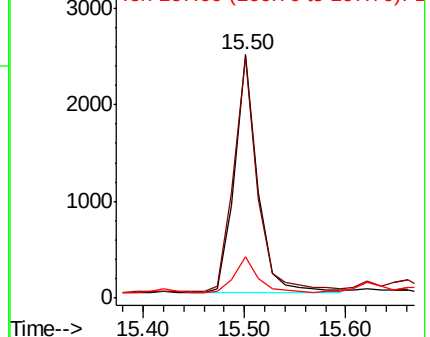
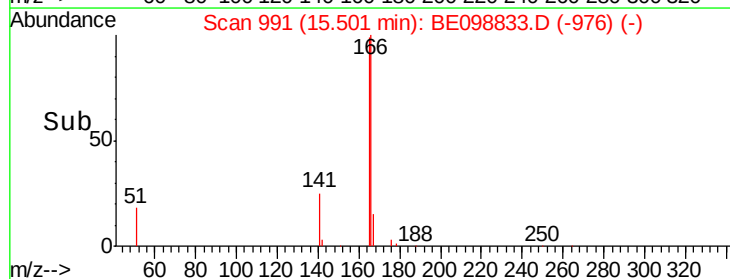
166 100

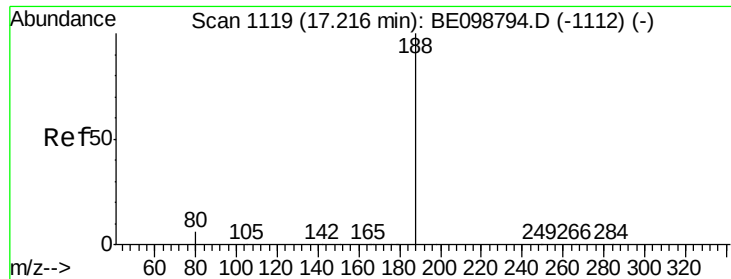
165 102.1 79.3 118.9

167 15.5 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

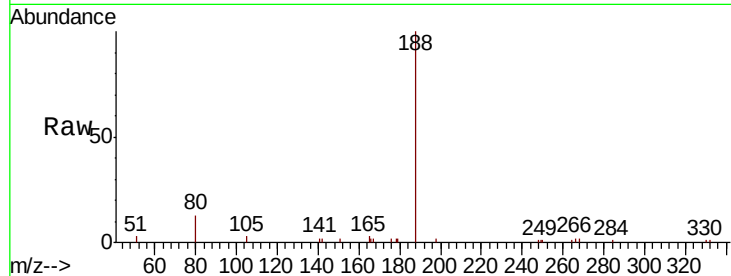
Tot Ion:188 Resp: 6517

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

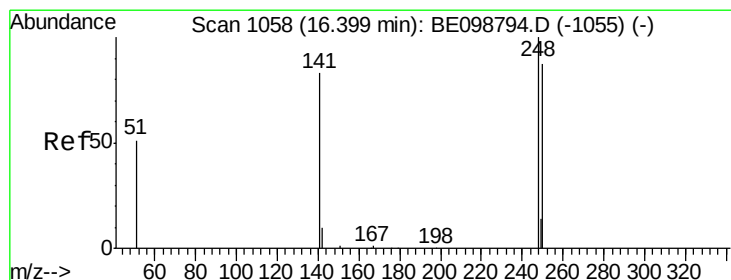
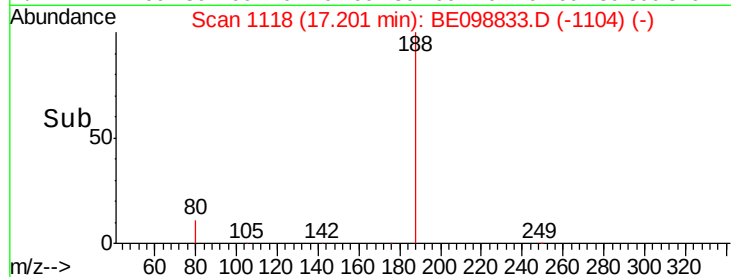
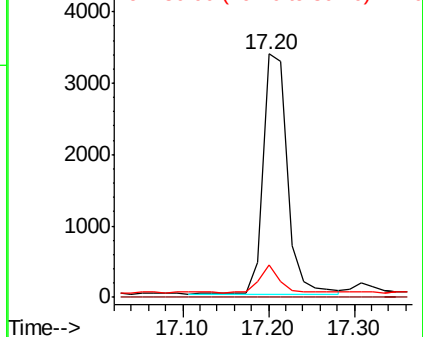
80 13.3 6.3 9.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.382 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

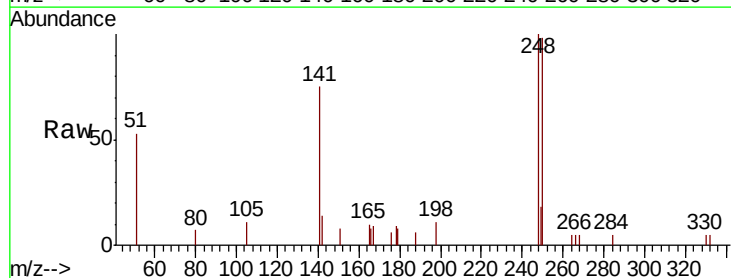
Tgt Ion:248 Resp: 1349

Ion Ratio Lower Upper

248 100

250 98.0 70.6 105.8

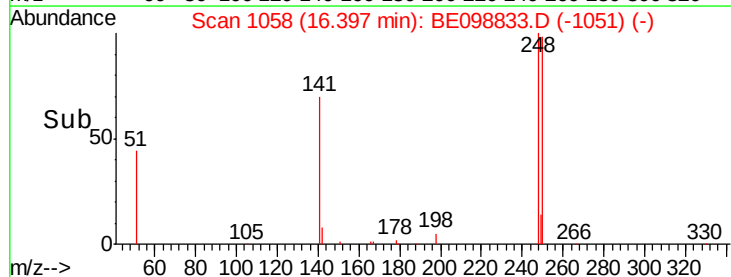
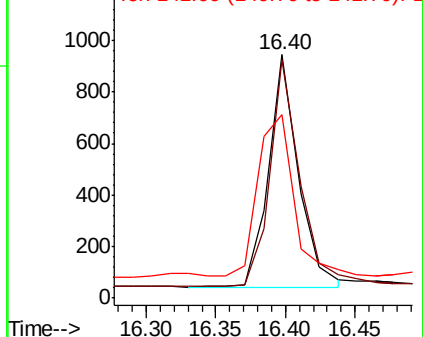
141 75.4 68.6 102.8

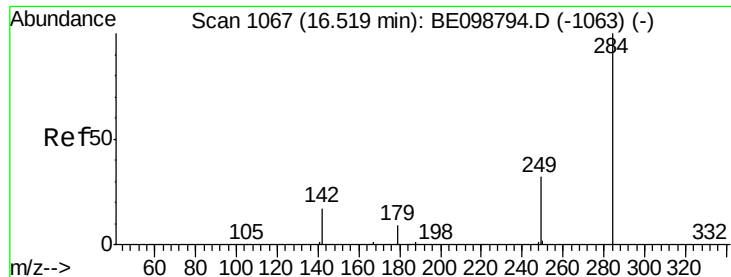


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.325 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

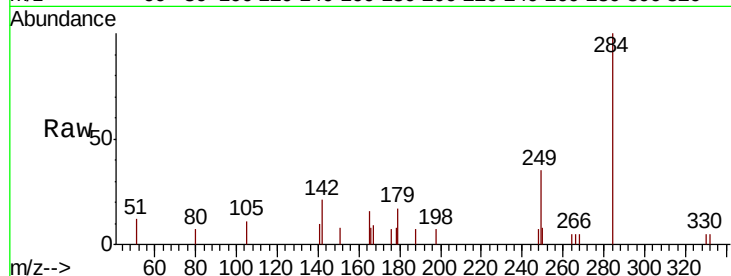
Tot Ion:284 Resp: 1363

Ion Ratio Lower Upper

284 100

142 37.3 28.7 43.1

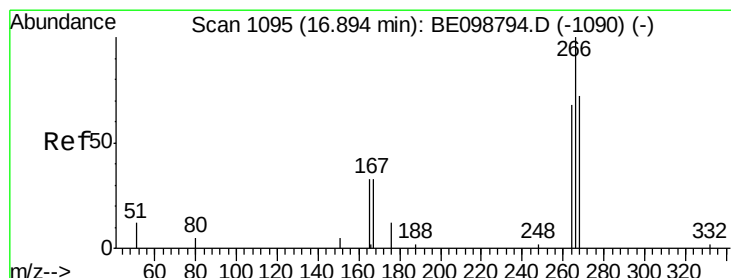
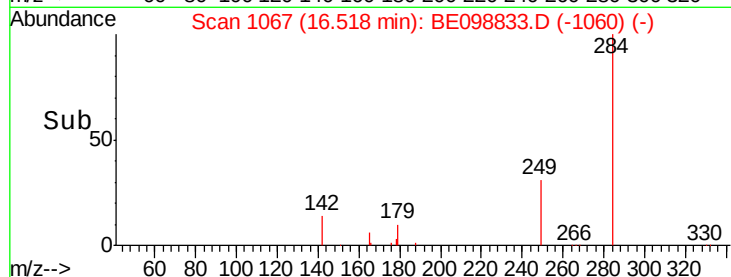
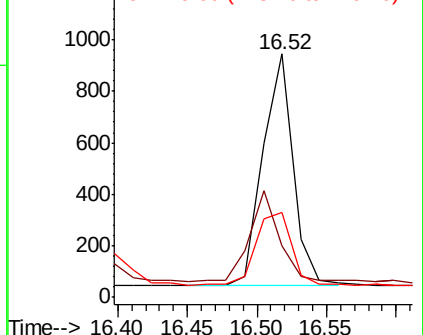
249 36.5 29.6 44.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.783 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

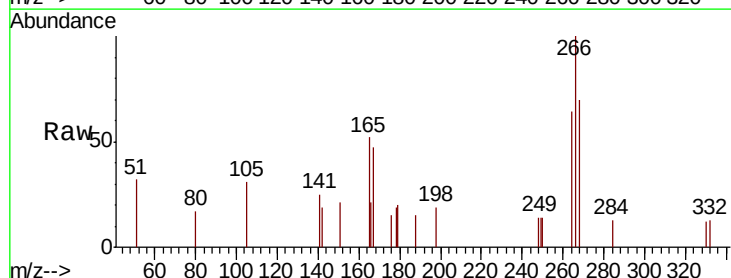
Tgt Ion:266 Resp: 741

Ion Ratio Lower Upper

266 100

264 63.6 66.6 100.0#

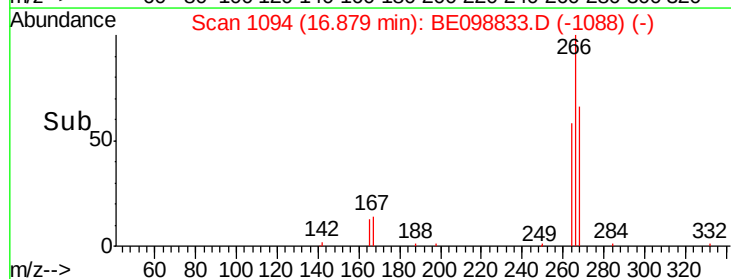
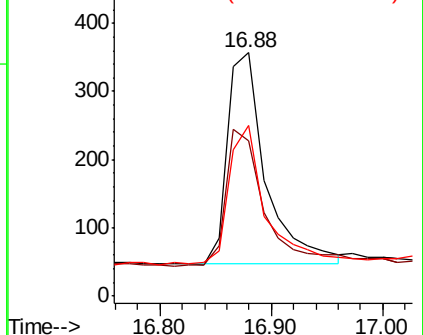
268 70.0 69.8 104.8

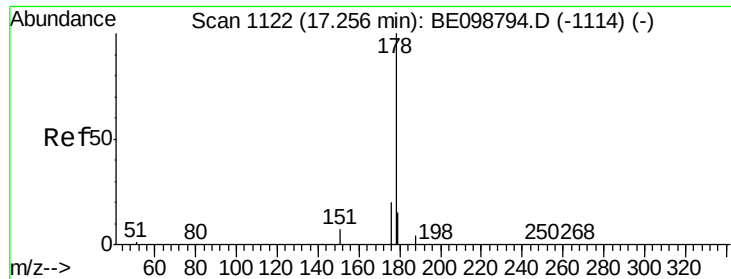


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.382 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

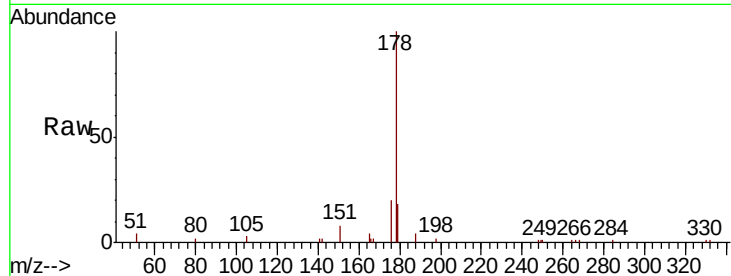
Tot Ion:178 Resp: 7079

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

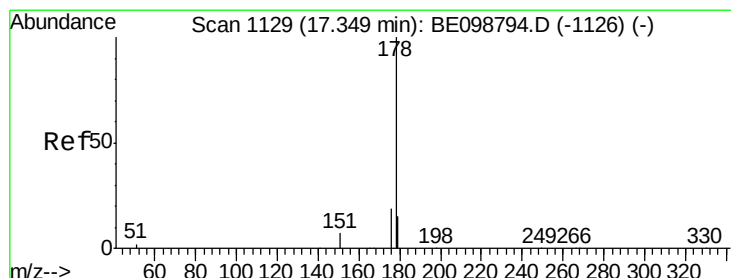
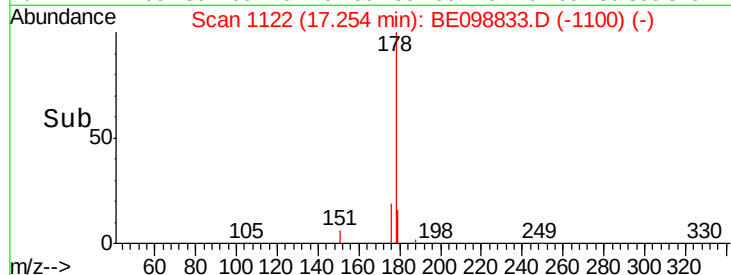
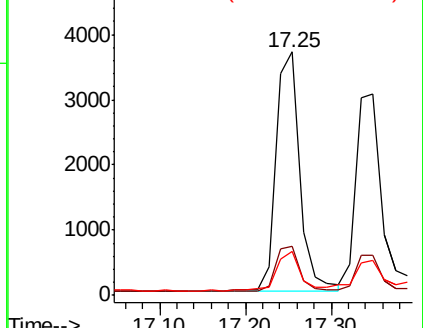
179 17.0 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.372 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

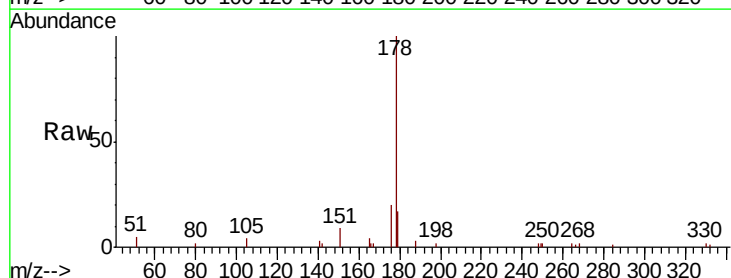
Tgt Ion:178 Resp: 5897

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

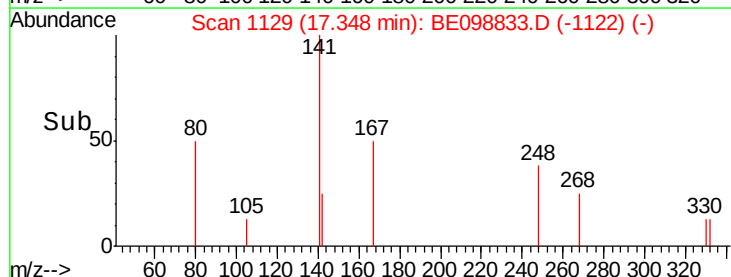
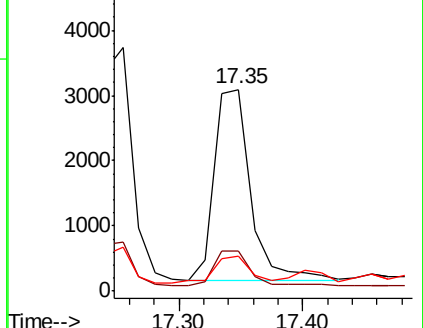
179 13.3 12.2 18.4

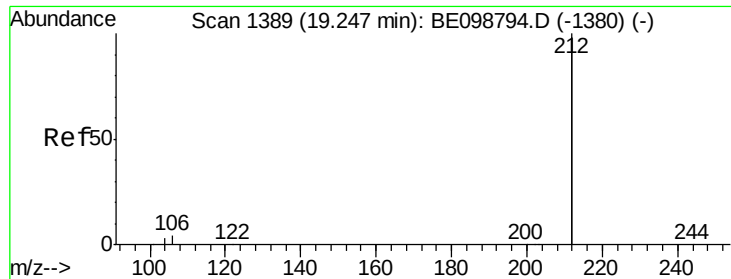


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

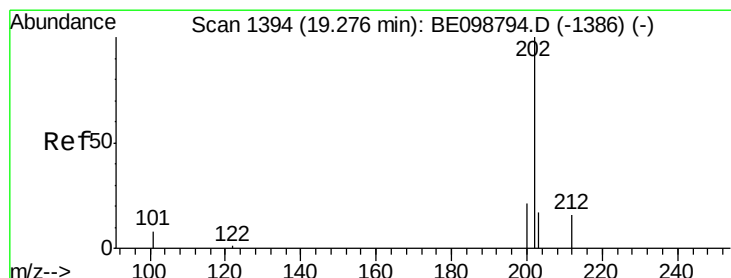
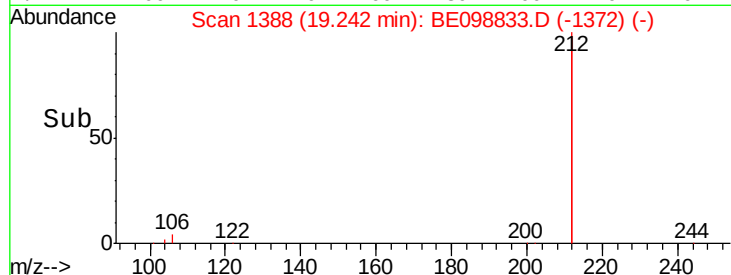
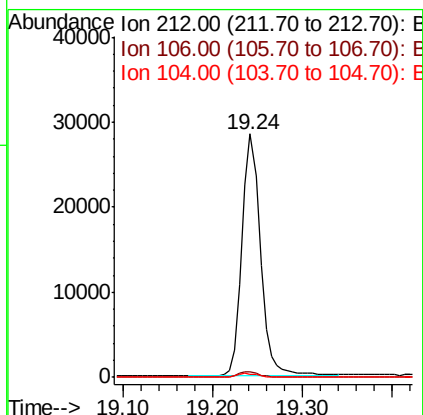
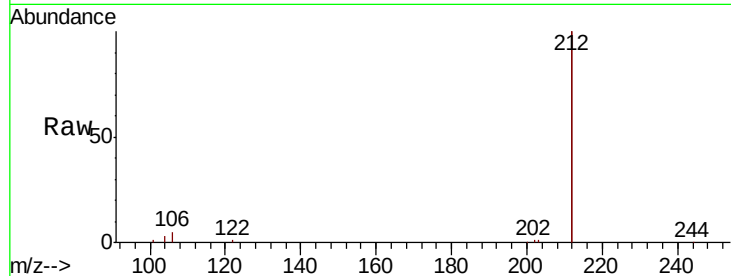
Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

Tot Ion:212	Resp:	39305
Ion Ratio	Lower	Upper
212	100	
106	2.3	1.8 2.8
104	1.4	1.0 1.6



#26

Fluoranthene

Concen: 0.341 ng

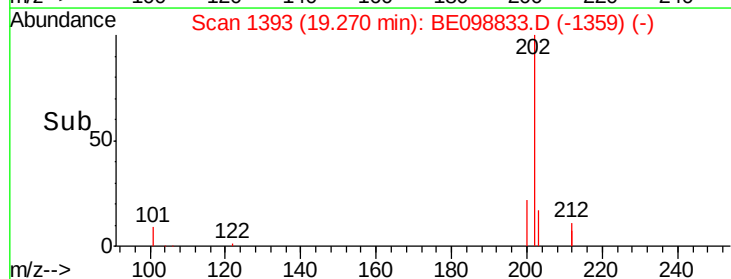
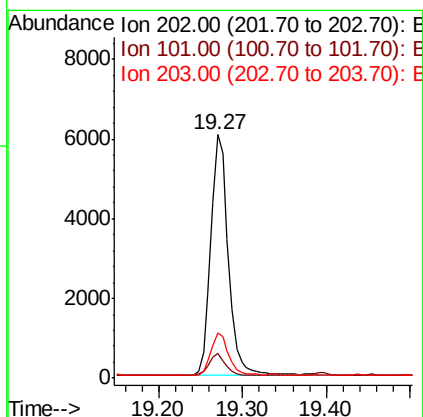
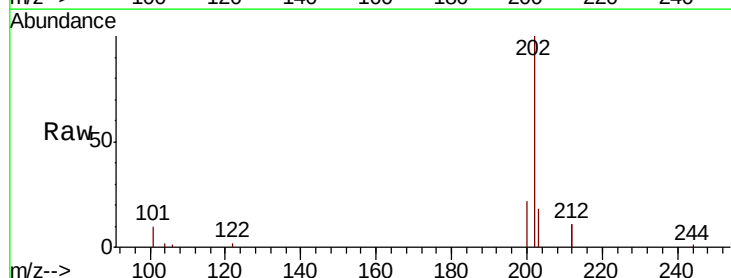
RT: 19.27 min Scan# 1393

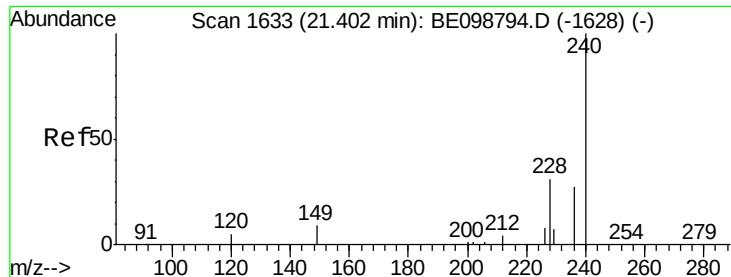
Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Tgt Ion:202	Resp:	8906
Ion Ratio	Lower	Upper
202	100	
101	8.9	7.3 10.9
203	16.5	13.4 20.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

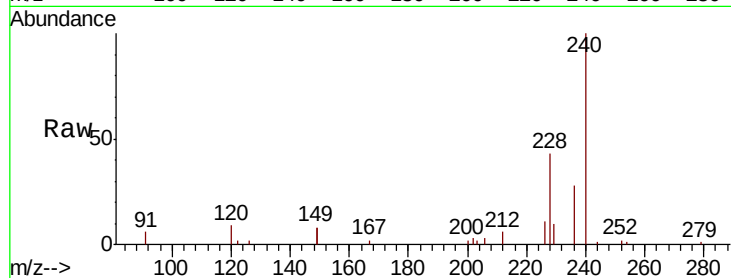
Tot Ion:240 Resp: 7951

Ion Ratio Lower Upper

240 100

120 9.0 5.0 7.4#

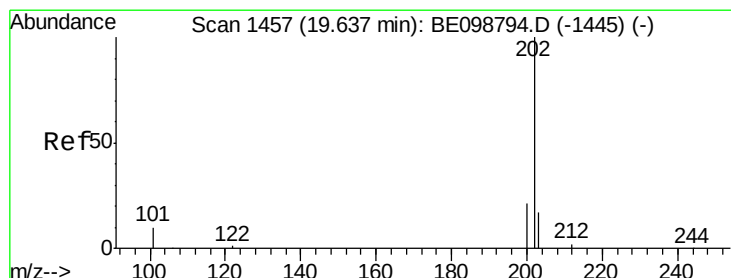
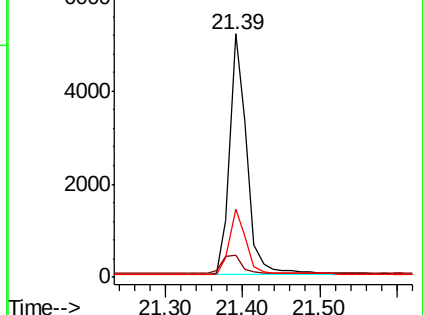
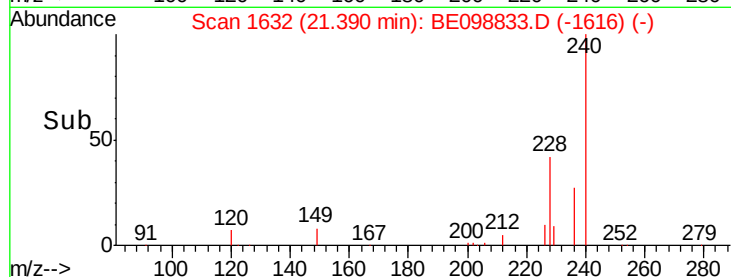
236 27.9 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.380 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

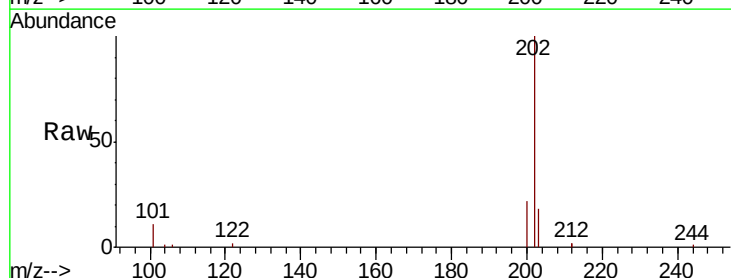
Tgt Ion:202 Resp: 9245

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

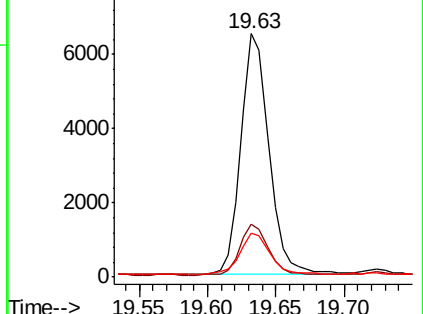
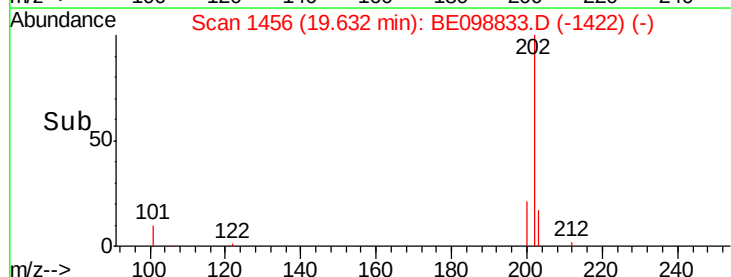
203 18.5 14.2 21.2

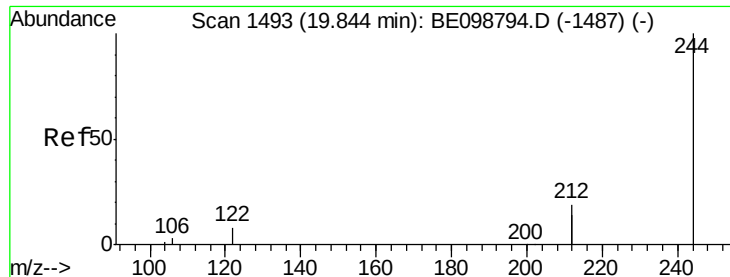


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.523 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

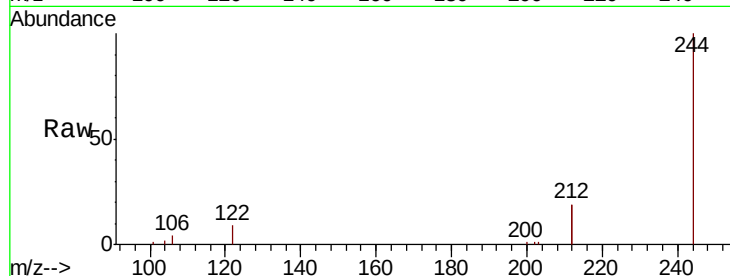
Tot Ion:244 Resp: 10106

Ion Ratio Lower Upper

244 100

212 37.2 29.4 44.2

122 9.4 7.1 10.7

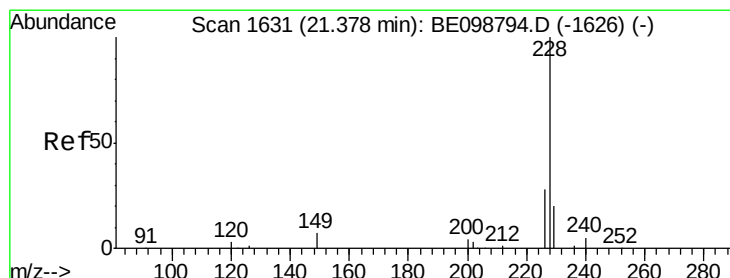
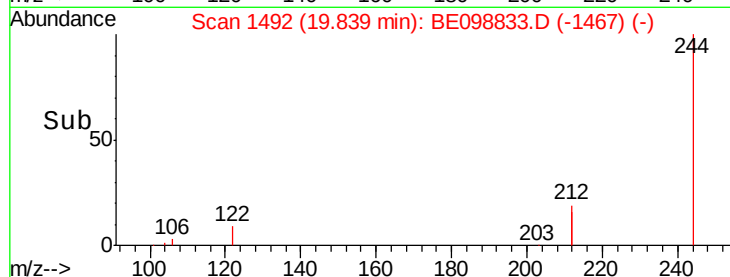
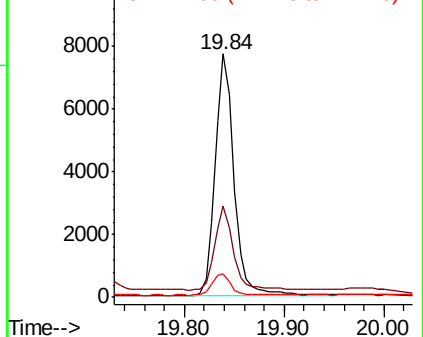


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.357 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

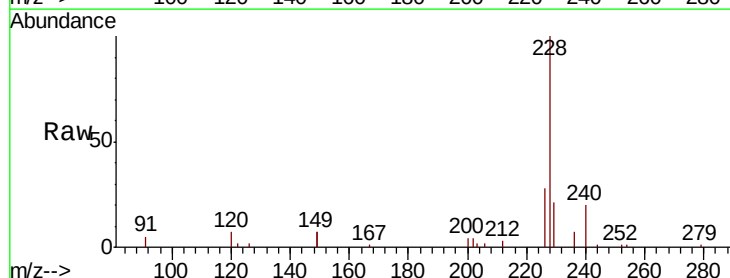
Tgt Ion:228 Resp: 8847

Ion Ratio Lower Upper

228 100

226 28.1 23.0 34.4

229 20.5 16.5 24.7

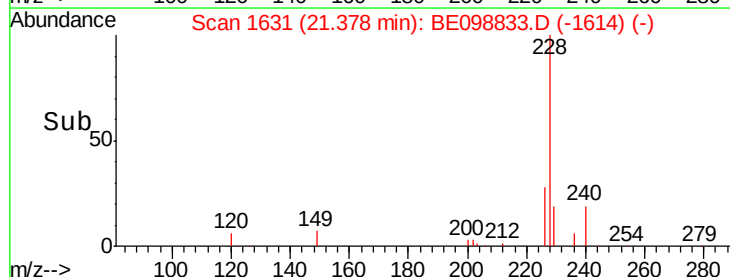
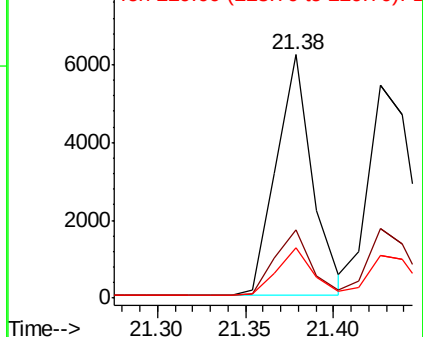


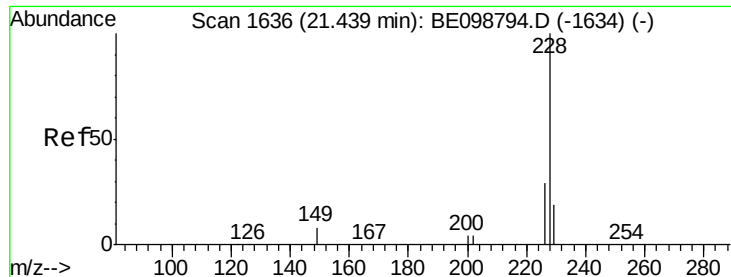
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.345 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

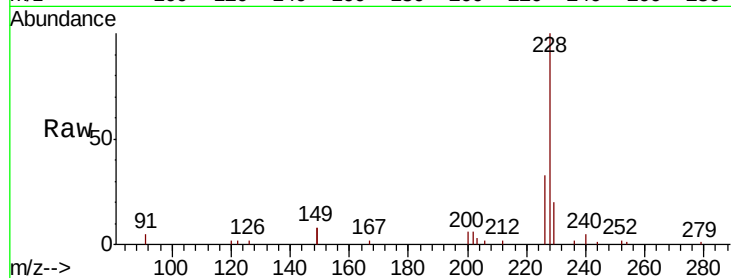
BNA_E

ClientSampleId :

A0C1-TWPMDS

Tot Ion:228 Resp: 9170

Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.7	35.5
229	20.1	16.1	24.1

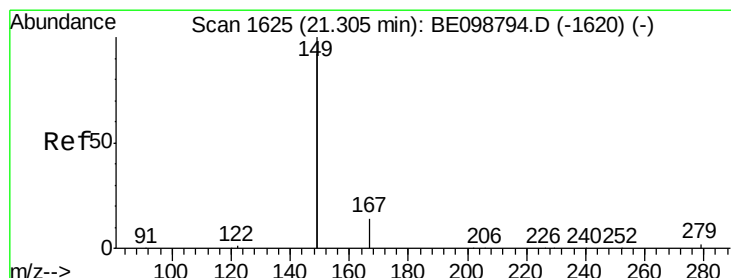
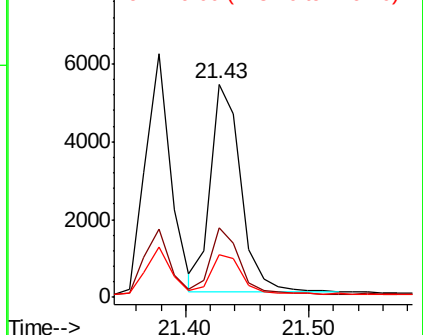
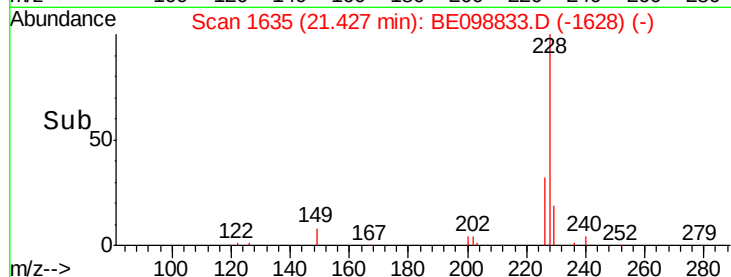


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.356 ng

RT: 21.29 min Scan# 1624

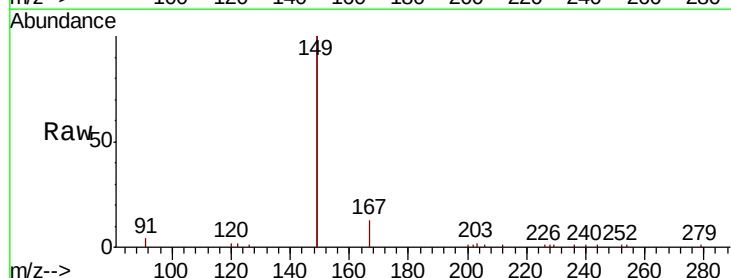
Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Tgt Ion:149 Resp: 18811

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.1	1.0	1.4

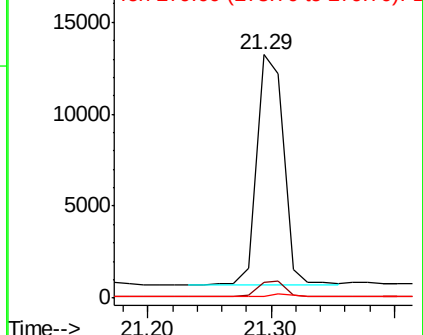
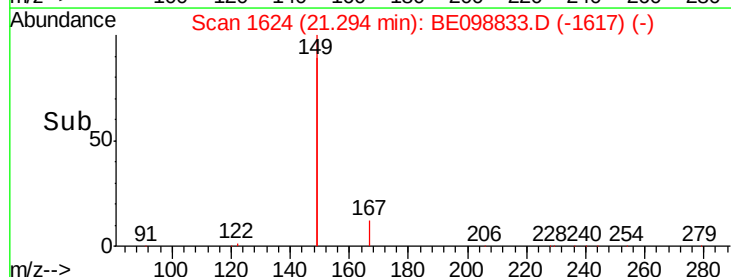


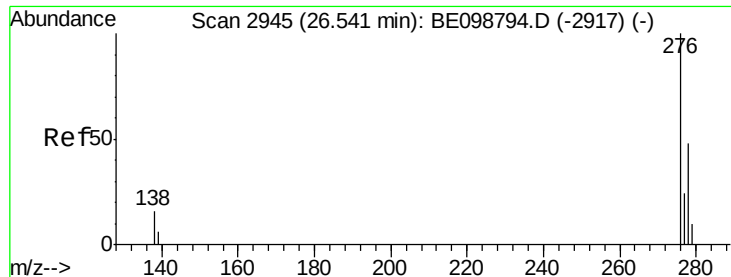
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.293 ng

RT: 26.52 min Scan# 2940

Delta R.T. -0.02 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

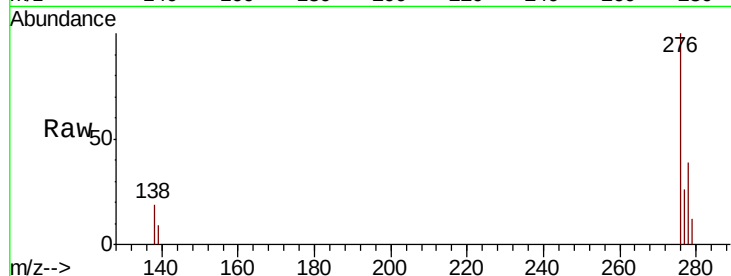
Tot Ion:276 Resp: 8217

Ion Ratio Lower Upper

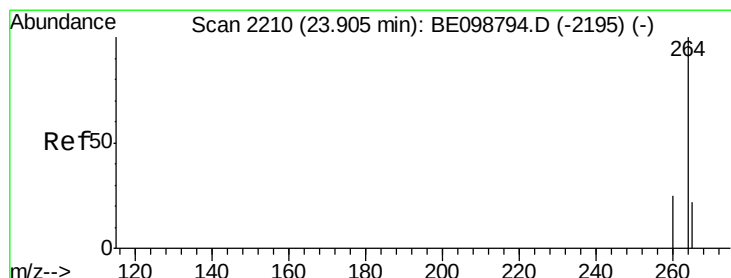
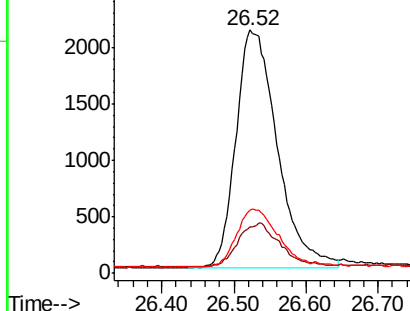
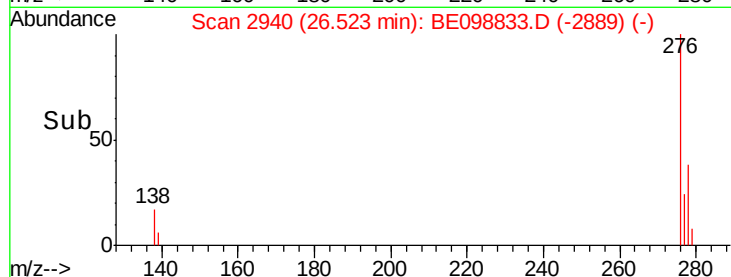
276 100

138 18.5 13.8 20.8

277 24.1 19.5 29.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

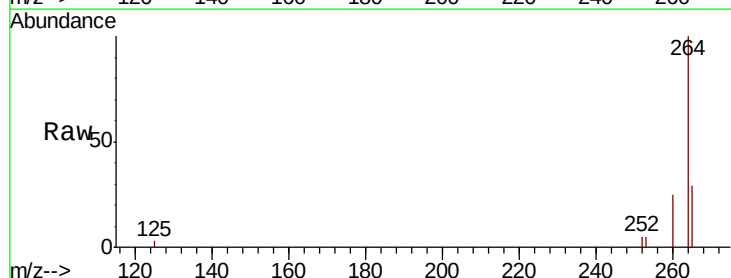
Tgt Ion:264 Resp: 7747

Ion Ratio Lower Upper

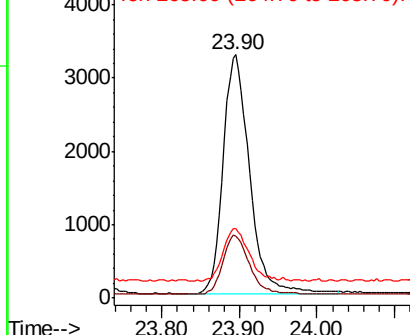
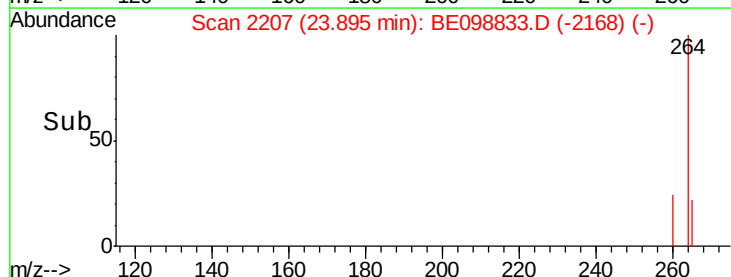
264 100

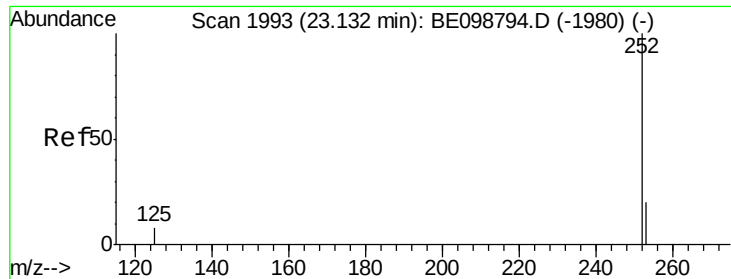
260 25.4 21.2 31.8

265 28.7 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

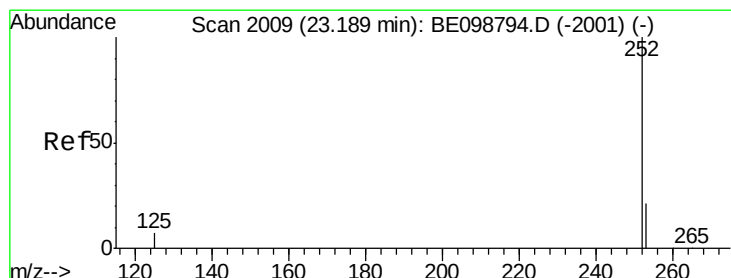
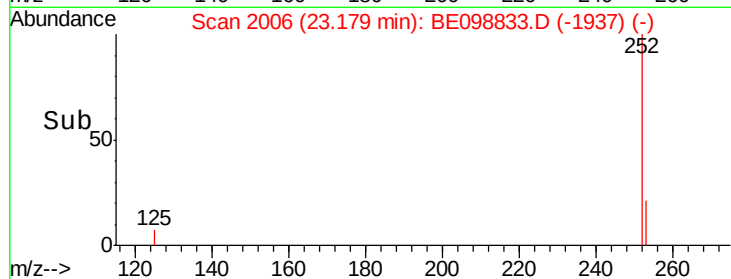
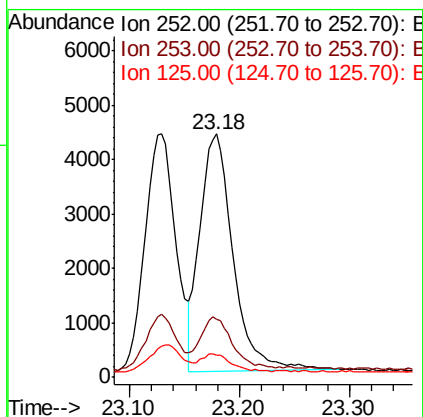
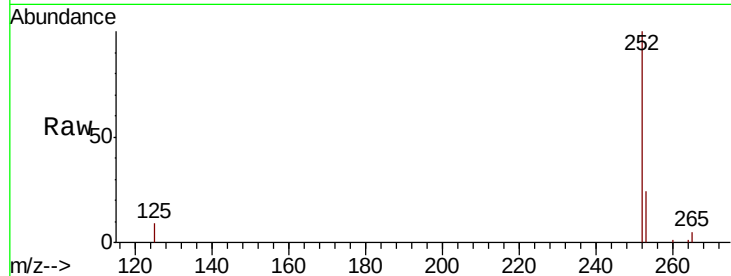




#35
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.05 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

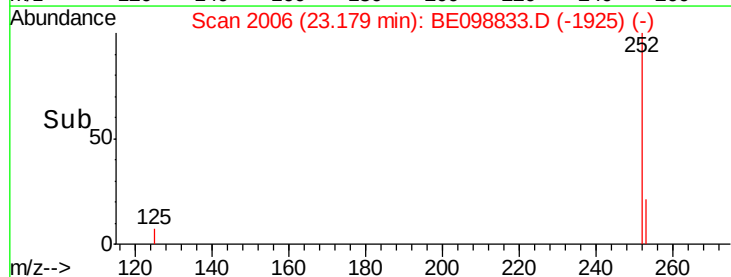
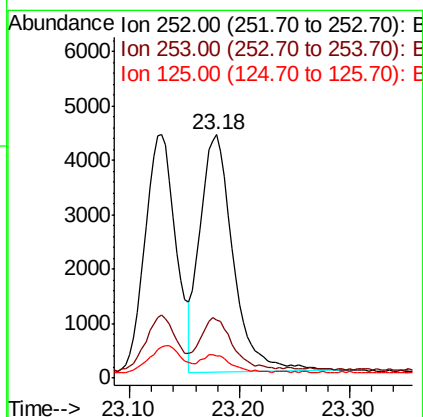
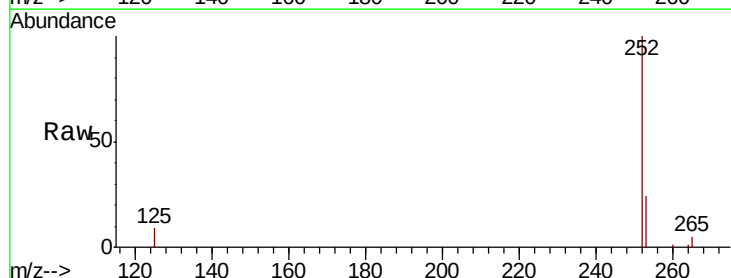
Instrument :
BNA_E
ClientSampleId :
A0C1-TWPMSD

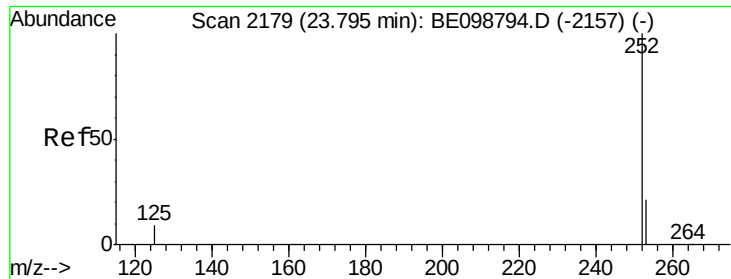
Tot Ion:252 Resp: 9119
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 9.4 7.3 10.9



#36
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE098833.D
Acq: 8 Mar 2019 12:29

Tgt Ion:252 Resp: 9119
Ion Ratio Lower Upper
252 100
253 23.8 19.3 28.9
125 9.4 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.316 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

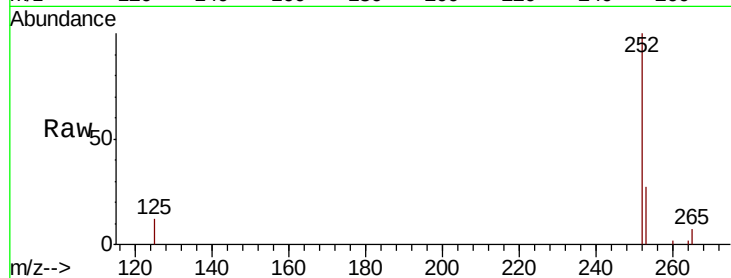
Tot Ion:252 Resp: 7710

Ion Ratio Lower Upper

252 100

253 26.6 19.9 29.9

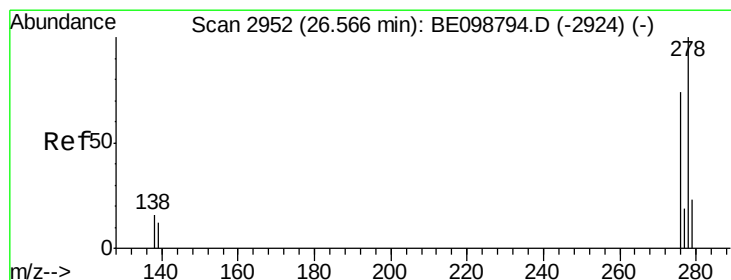
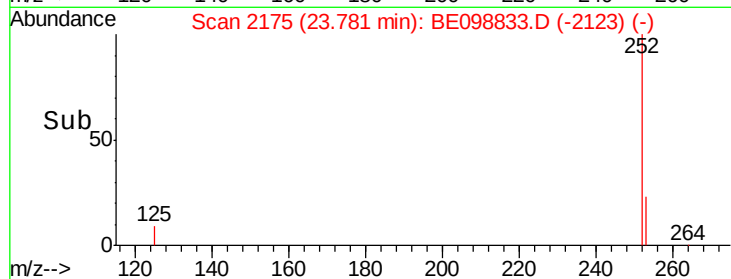
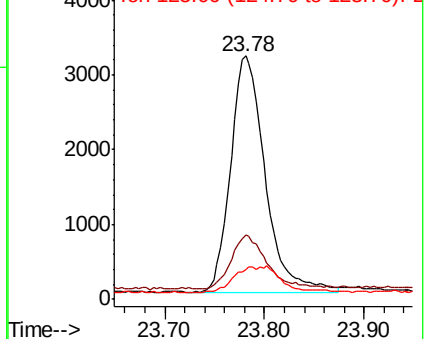
125 12.2 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.292 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

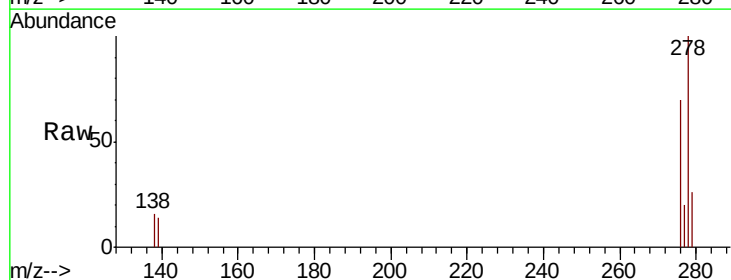
Tgt Ion:278 Resp: 6744

Ion Ratio Lower Upper

278 100

139 13.8 11.8 17.6

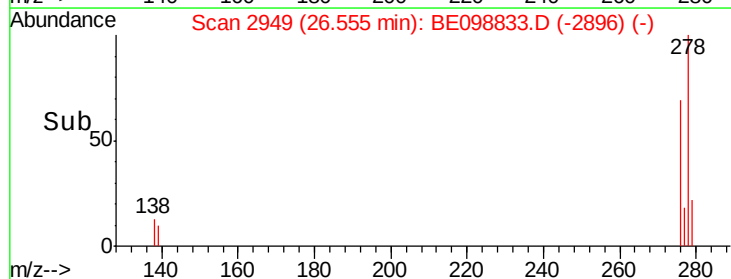
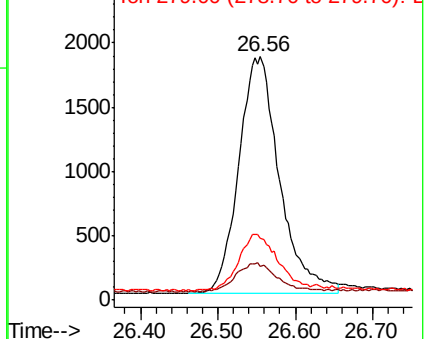
279 25.6 21.1 31.7

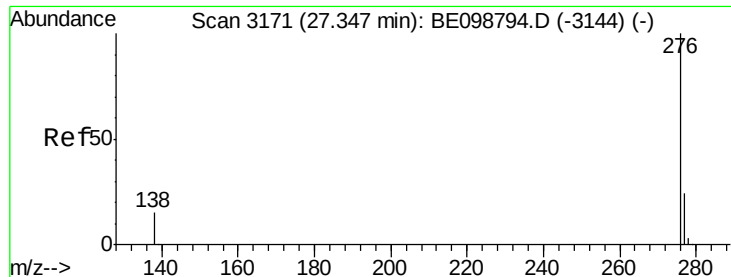


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.278 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE098833.D

Acq: 8 Mar 2019 12:29

Instrument :

BNA_E

ClientSampleId :

A0C1-TWPMDS

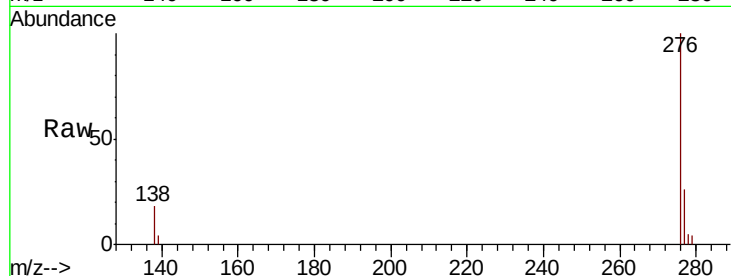
Tot Ion: 276 Resp: 6719

Ion Ratio Lower Upper

276 100

277 26.1 20.4 30.6

138 18.2 13.6 20.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

