

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
 Data File : BE098301.D
 Acq On : 10 Dec 2018 16:54
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 11 00:47:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1586	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	7016	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4556	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	12424	0.40	ng	0.00
27) Chrysene-d12	21.46	240	12496	0.40	ng	0.00
34) Perylene-d12	24.01	264	11878	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1480	0.40	ng	0.00
5) Phenol-d6	7.04	99	2053	0.39	ng	0.00
8) Nitrobenzene-d5	9.03	82	2518	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	4516	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	627	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7214	0.38	ng	0.00
25) Fluoranthene-d10	19.31	212	63260	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	11670	0.38	ng	0.00

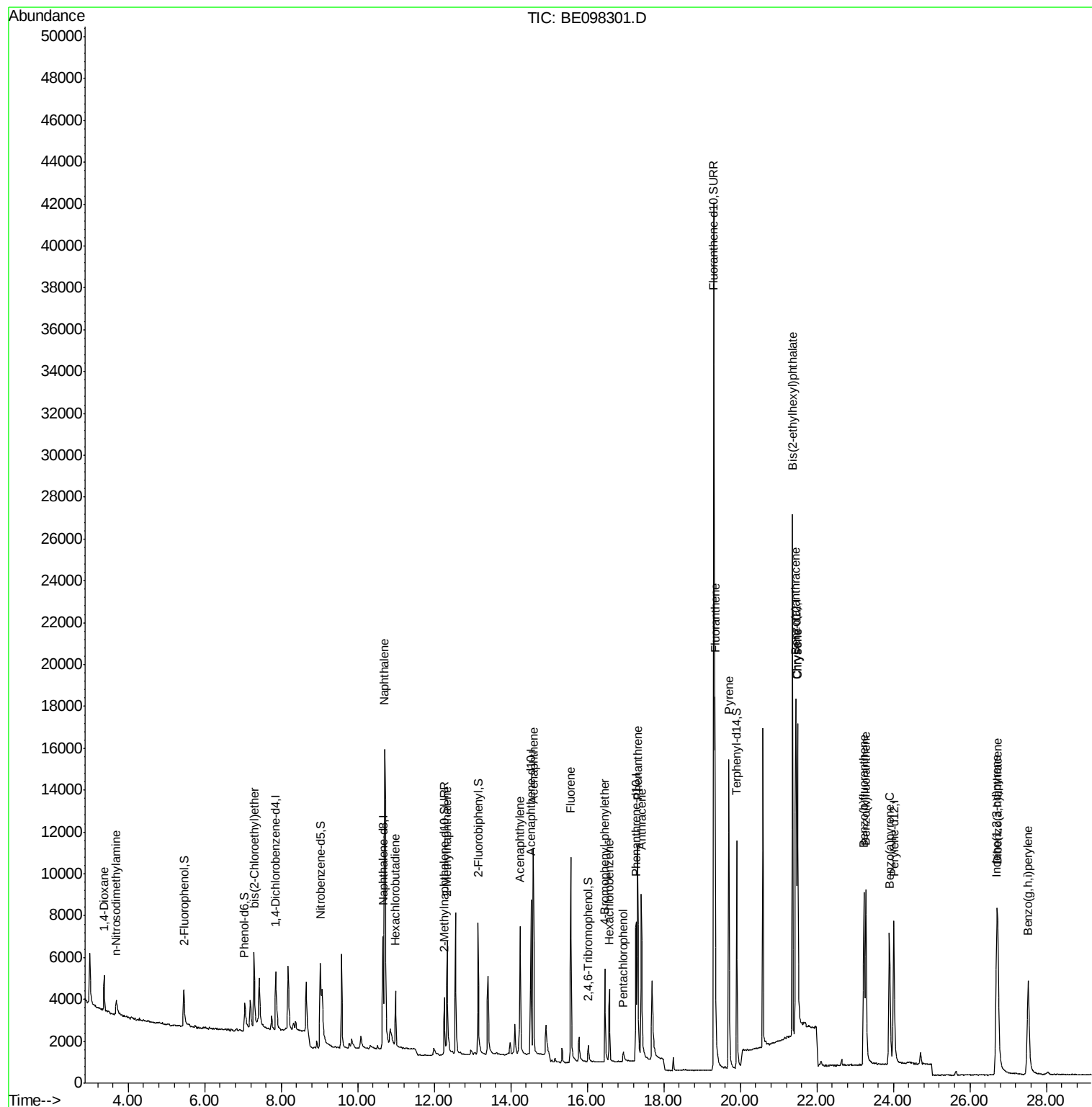
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	1047	0.382	ng	98
3) n-Nitrosodimethylamine	3.69	42	987	0.400	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	1911	0.383	ng	95
9) Naphthalene	10.71	128	28341	0.401	ng	99
10) Hexachlorobutadiene	10.99	225	1829	0.407	ng	97
12) 2-Methylnaphthalene	12.34	142	4563	0.398	ng	99
16) Acenaphthylene	14.24	152	8370	0.392	ng	99
17) Acenaphthene	14.59	154	5136	0.401	ng	99
18) Fluorene	15.57	166	6765	0.394	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	2574	0.385	ng	# 87
21) Hexachlorobenzene	16.58	284	2891	0.402	ng	98
22) Pentachlorophenol	16.94	266	413	0.363	ng	92
23) Phenanthrene	17.32	178	11764	0.390	ng	99
24) Anthracene	17.41	178	10191	0.379	ng	99
26) Fluoranthene	19.34	202	15822	0.396	ng	100
28) Pyrene	19.70	202	16111	0.411	ng	100
30) Benzo(a)anthracene	21.45	228	13616	0.383	ng	100
31) Chrysene	21.50	228	14967	0.402	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	26699	0.369	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	14895	0.402	ng	97
35) Benzo(b)fluoranthene	23.23	252	12705	0.391	ng	98
36) Benzo(k)fluoranthene	23.28	252	14788	0.391	ng	99
37) Benzo(a)pyrene	23.90	252	13171	0.393	ng	98
38) Dibenzo(a,h)anthracene	26.73	278	12275	0.389	ng	100
39) Benzo(g,h,i)perylene	27.52	276	12631	0.397	ng	98

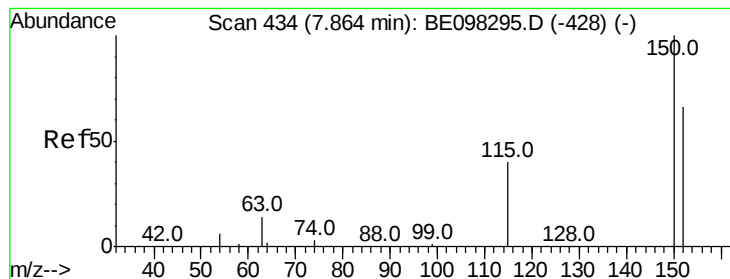
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\
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QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

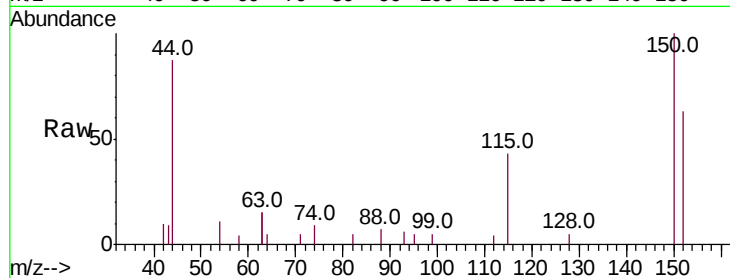
Tot Ion:152 Resp: 1586

Ion Ratio Lower Upper

152 100

150 158.9 124.2 186.4

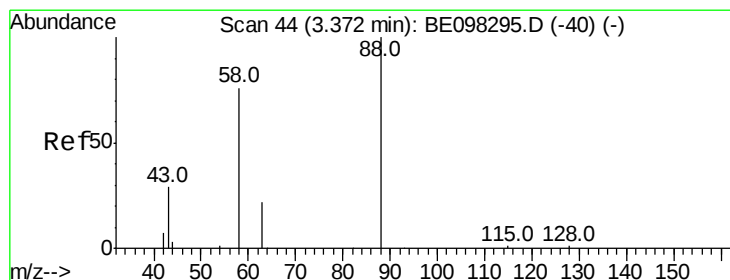
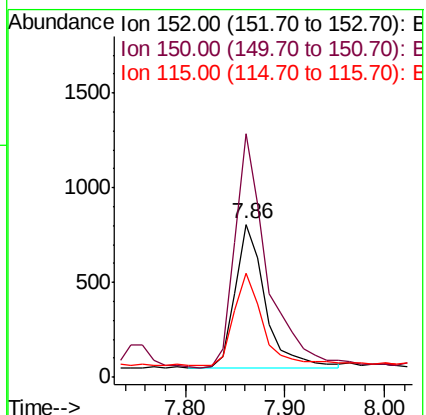
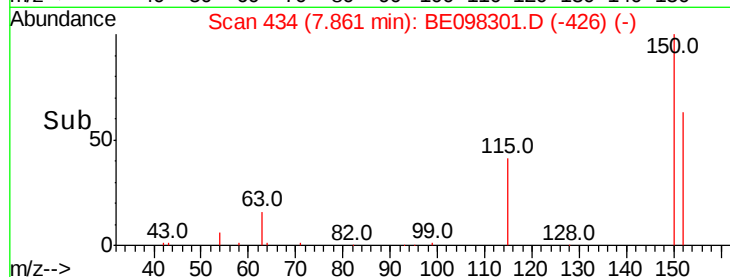
115 67.6 53.9 80.9



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: 0.382 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

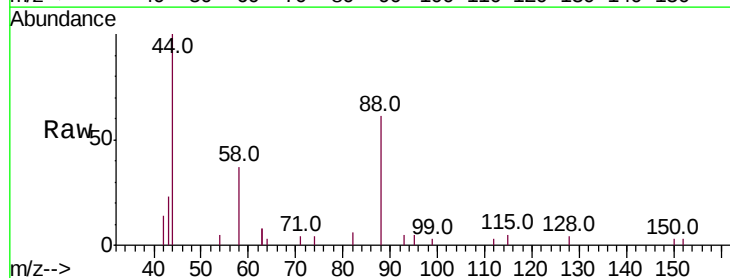
Tgt Ion: 88 Resp: 1047

Ion Ratio Lower Upper

88 100

58 93.9 75.0 112.6

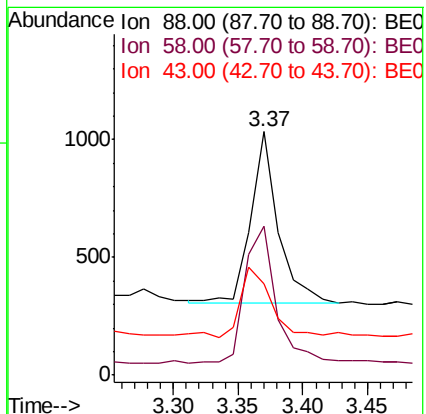
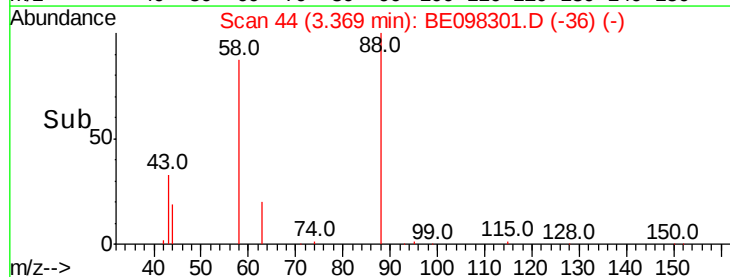
43 43.9 38.3 57.5



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: 0.400 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

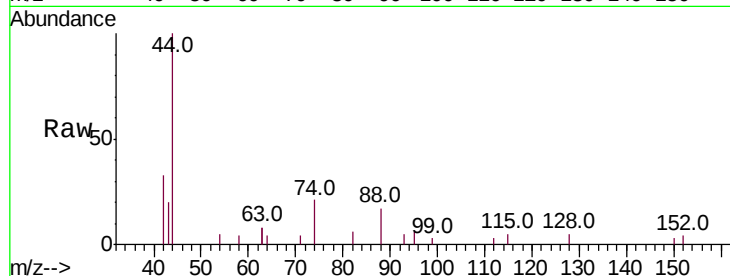
Tot Ion: 42 Resp: 987

Ion Ratio Lower Upper

42 100

74 74.3 0.0 0.0#

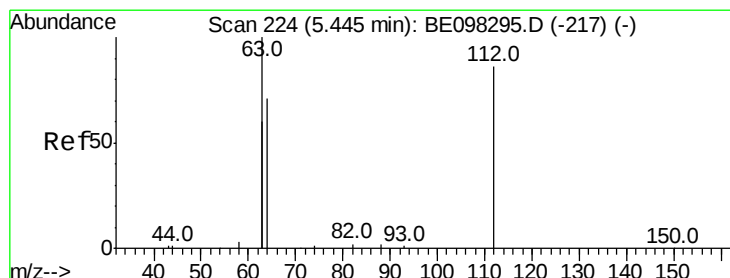
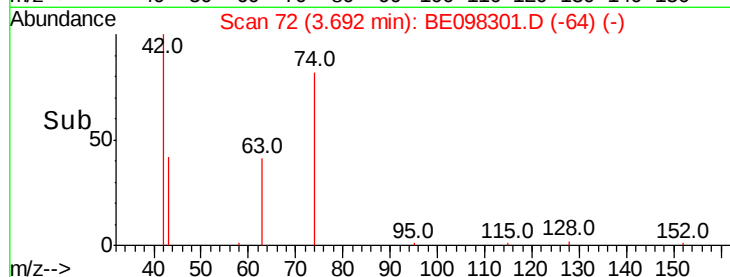
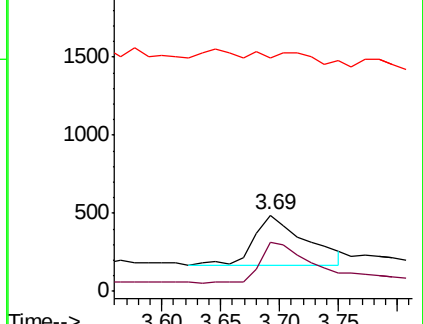
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.399 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

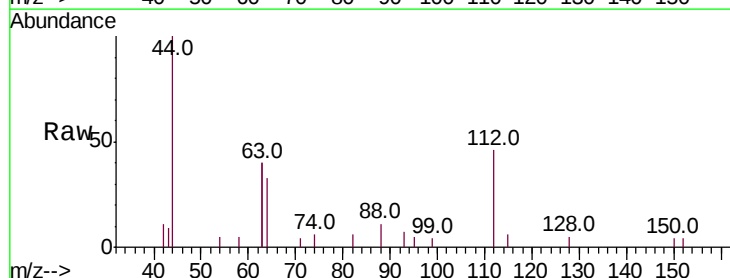
Tgt Ion: 112 Resp: 1480

Ion Ratio Lower Upper

112 100

64 72.5 59.8 89.8

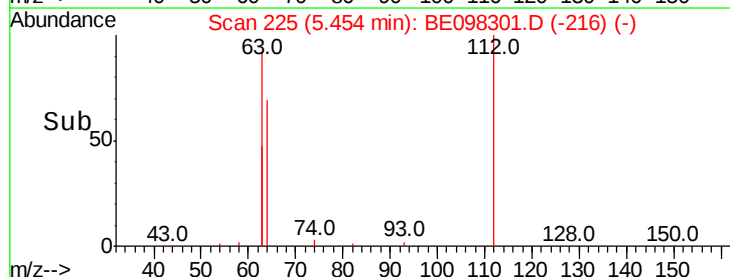
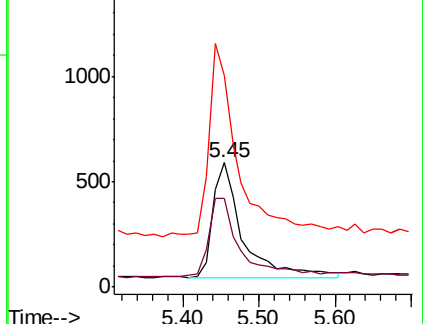
63 169.1 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.390 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

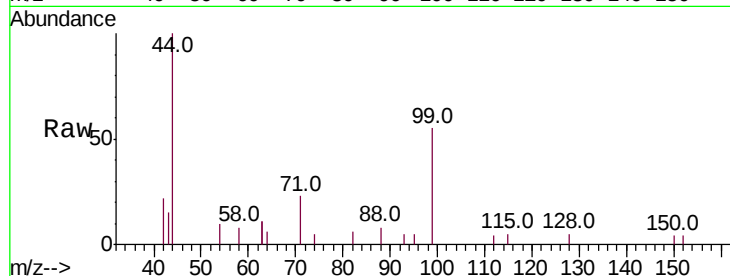
Tot Ion: 99 Resp: 2053

Ion Ratio Lower Upper

99 100

42 29.3 26.3 39.5

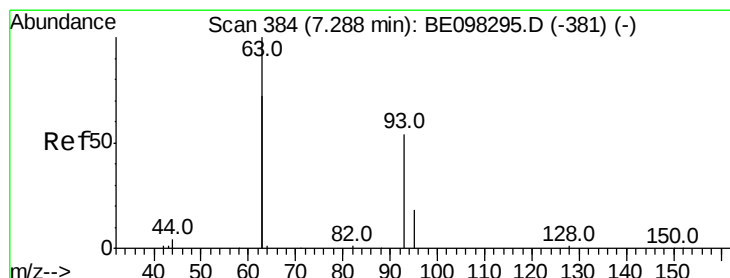
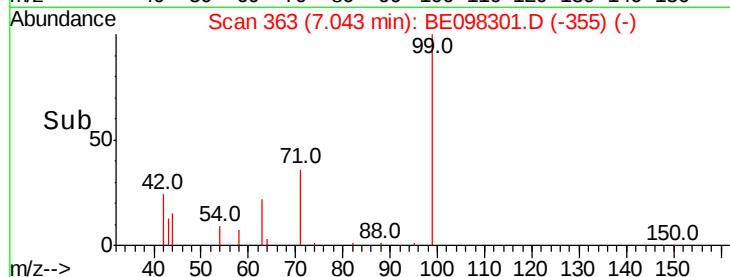
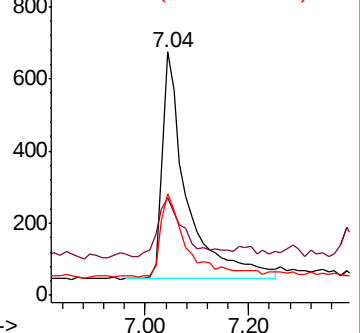
71 38.8 33.6 50.4



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: 0.383 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

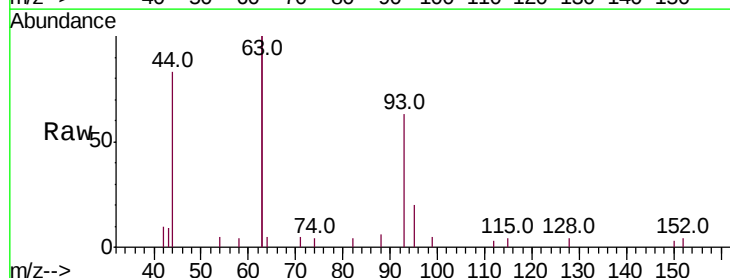
Tgt Ion: 93 Resp: 1911

Ion Ratio Lower Upper

93 100

63 318.1 264.4 396.6

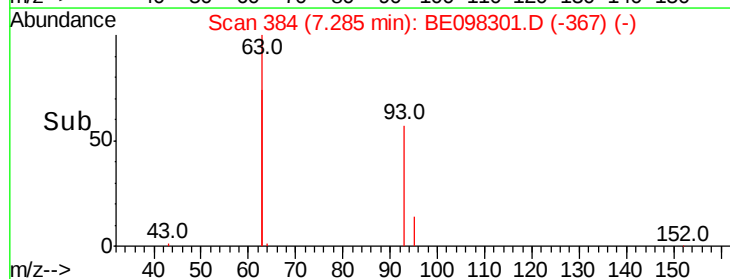
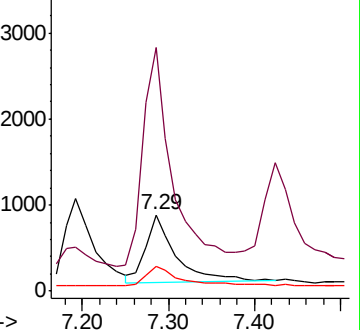
95 33.0 26.6 40.0

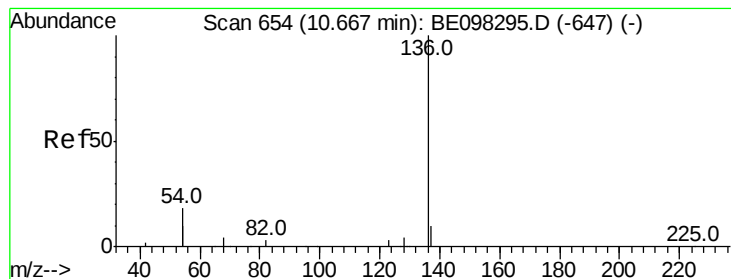


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 7016

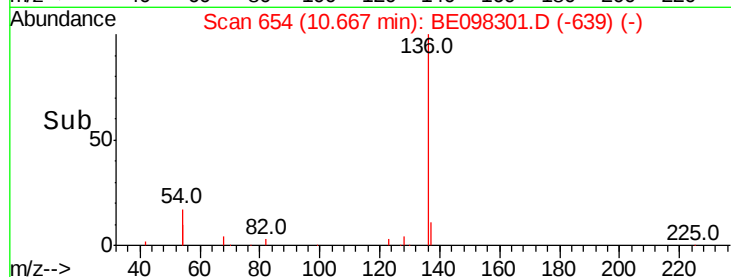
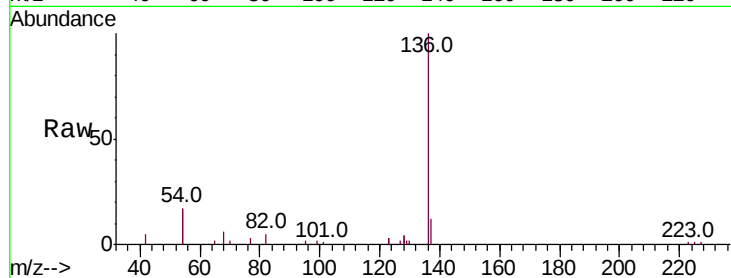
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 33.9 28.4 42.6

68 5.7 5.4 8.0

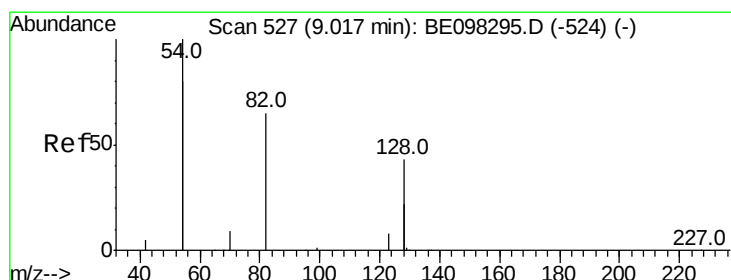
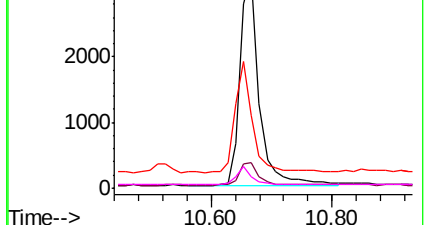


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.394 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

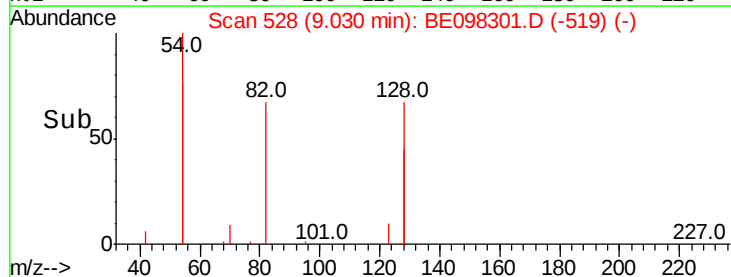
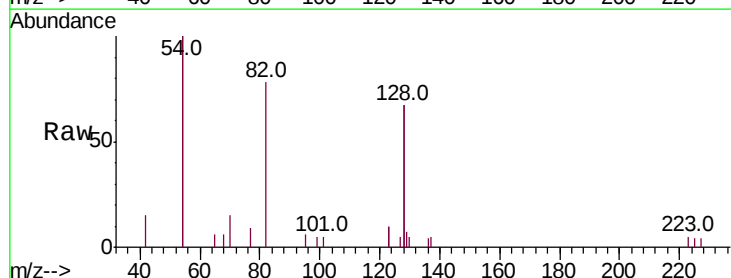
Tgt Ion: 82 Resp: 2518

Ion Ratio Lower Upper

82 100

128 170.1 102.4 153.6#

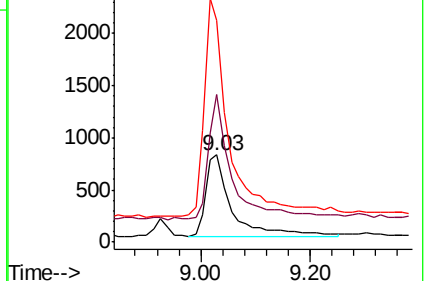
54 254.9 221.8 332.8

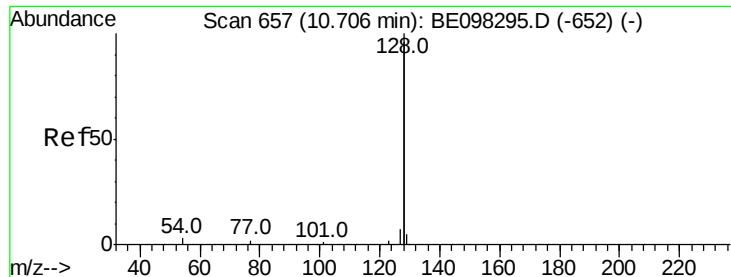


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.401 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

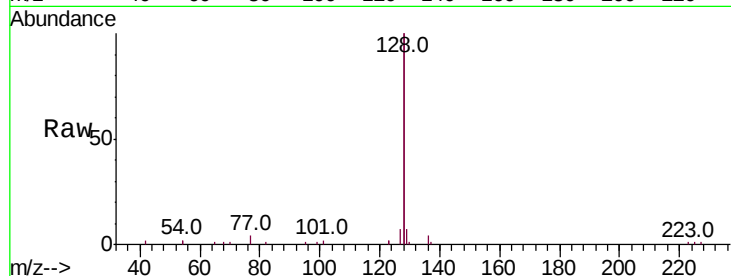
Tot Ion:128 Resp: 28341

Ion Ratio Lower Upper

128 100

129 3.3 2.5 3.7

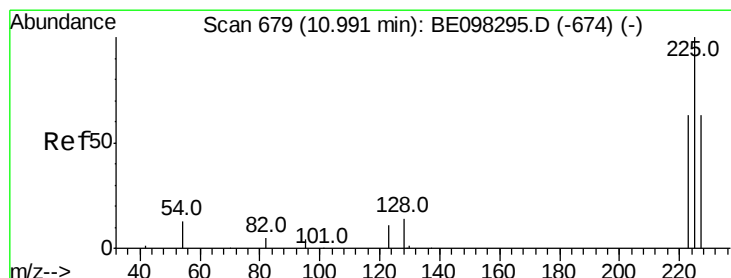
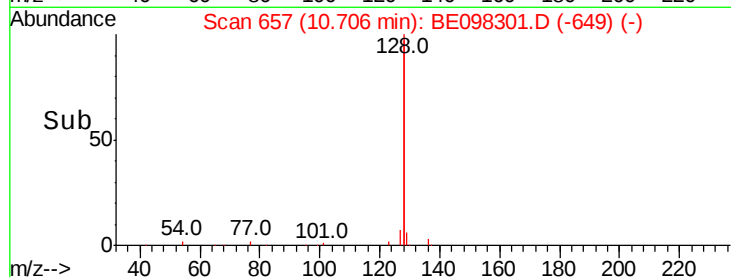
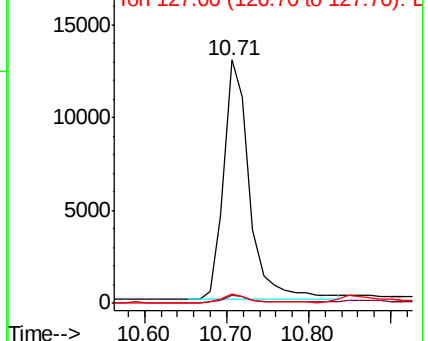
127 3.7 2.7 4.1



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: 0.407 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

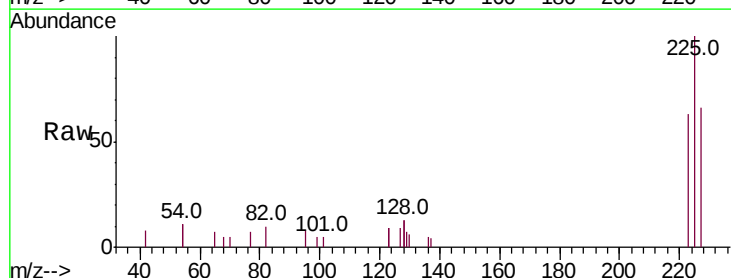
Tgt Ion:225 Resp: 1829

Ion Ratio Lower Upper

225 100

223 59.8 49.4 74.0

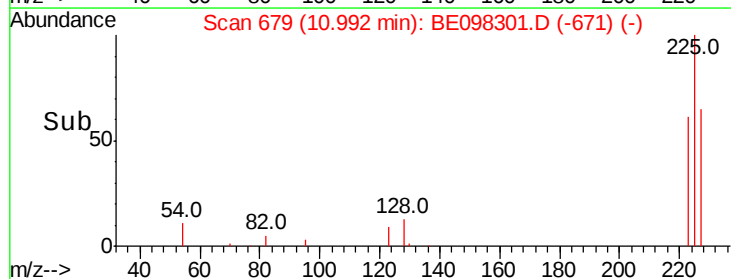
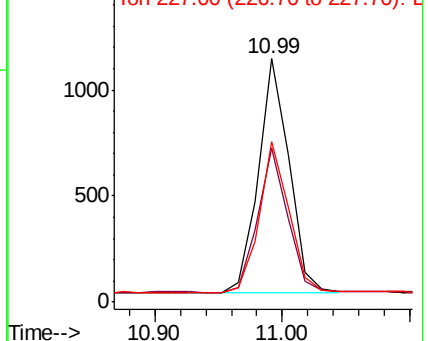
227 62.7 52.0 78.0

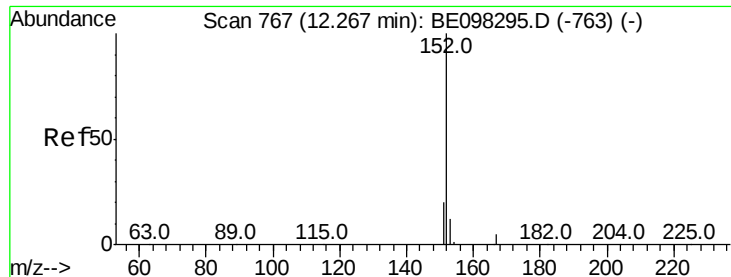


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

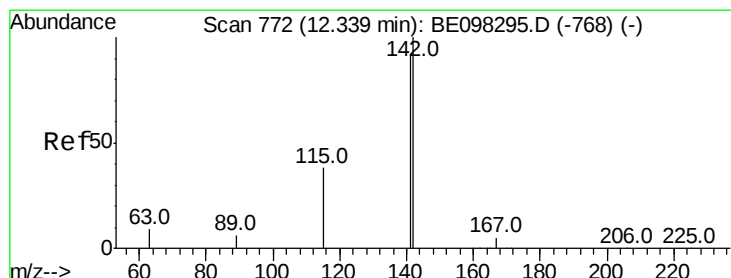
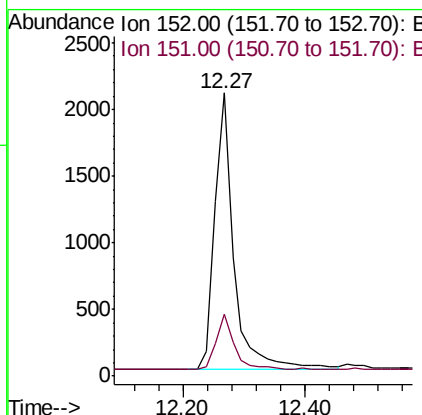
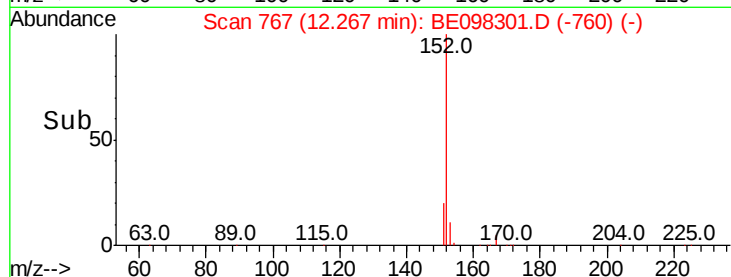
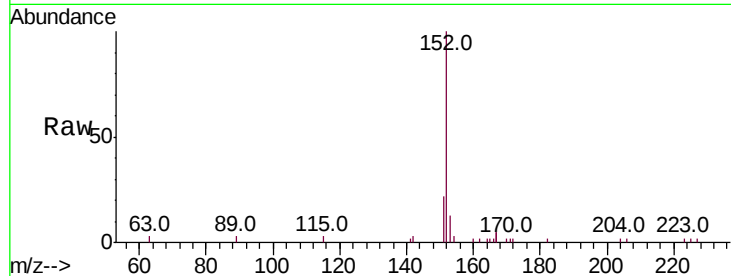




#11
 2-Methylnaphthalene-d10
 Concen: 0.396 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098301.D
 Acq: 10 Dec 2018 16:54

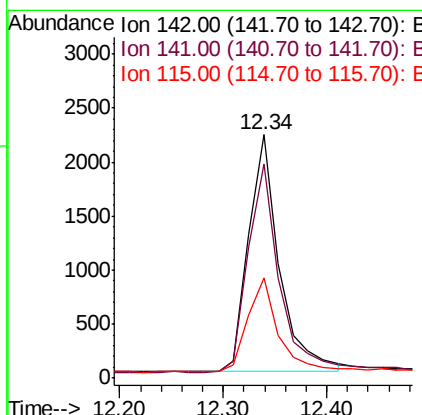
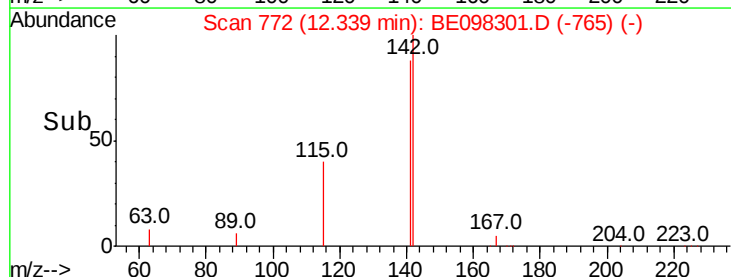
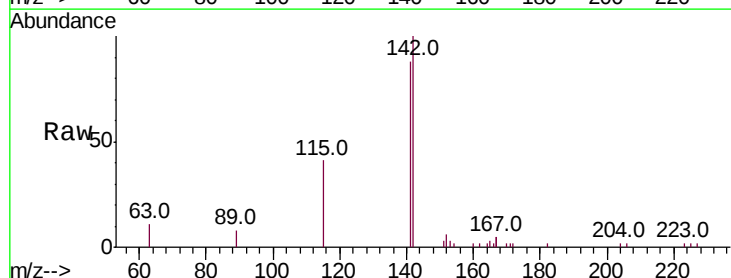
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

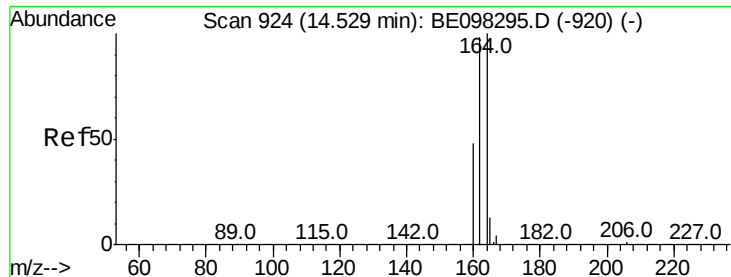
Tot Ion:152 Resp: 4516
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.398 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098301.D
 Acq: 10 Dec 2018 16:54

Tgt Ion:142 Resp: 4563
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.0 106.6
 115 41.2 32.2 48.2

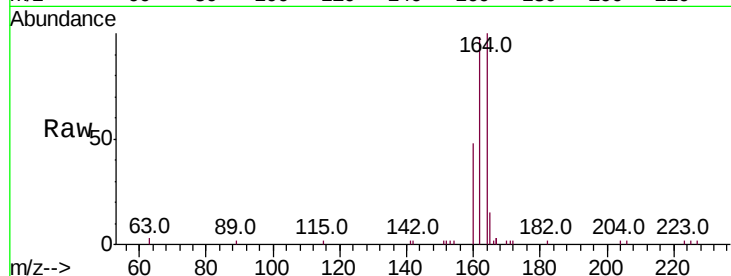




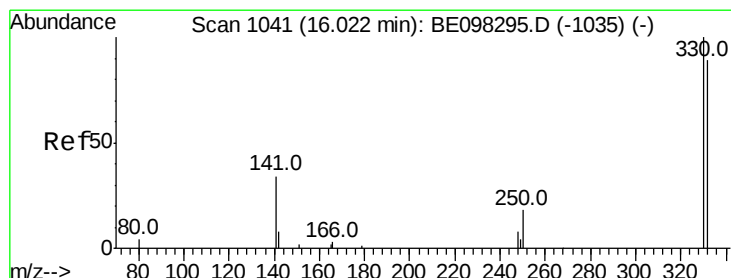
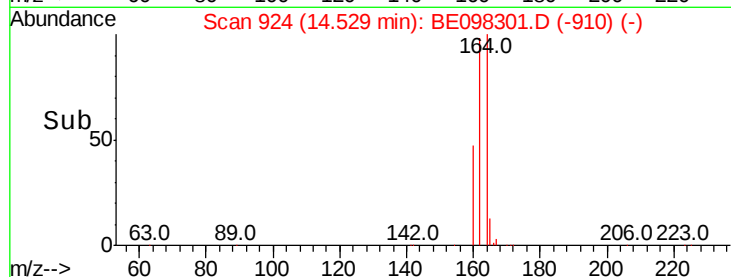
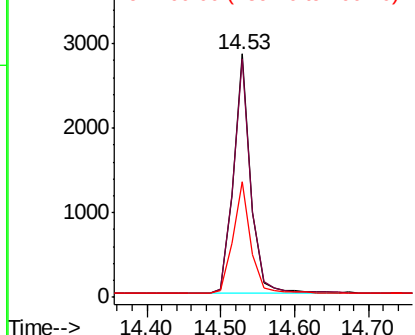
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:164 Resp: 4556
Ion Ratio Lower Upper
164 100
162 97.9 77.6 116.4
160 47.7 36.0 54.0

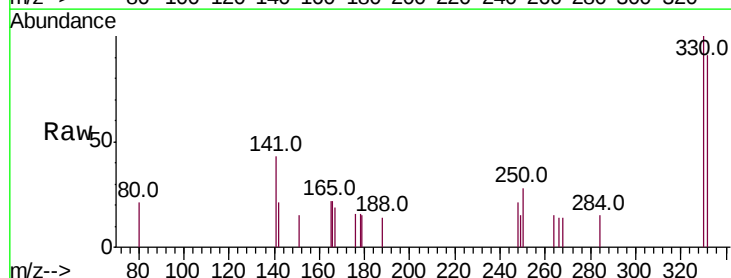


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

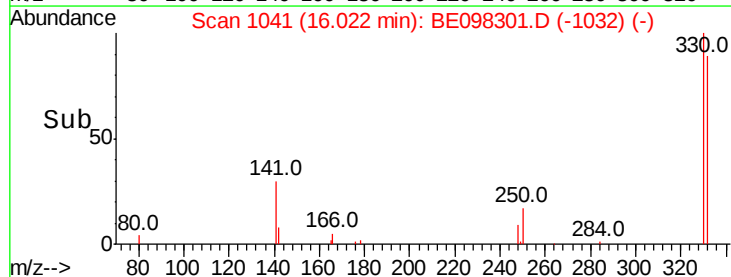
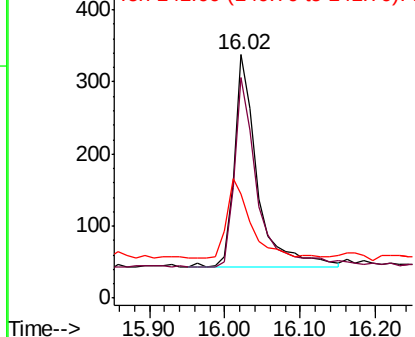


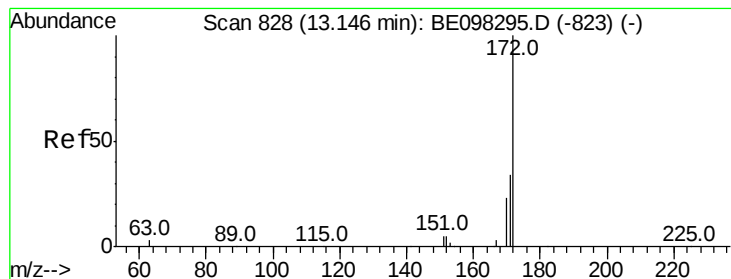
#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Tgt Ion:330 Resp: 627
Ion Ratio Lower Upper
330 100
332 90.7 76.2 114.4
141 40.8 39.0 58.4



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

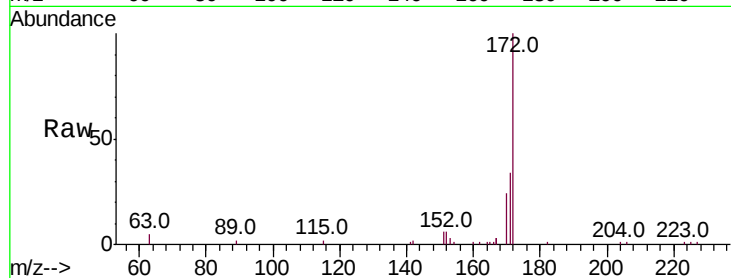




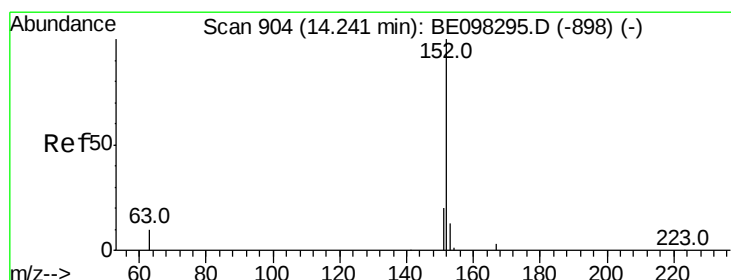
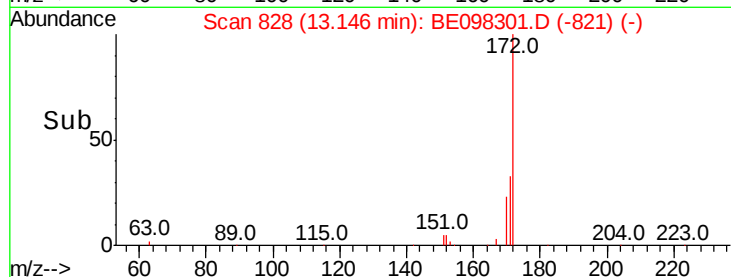
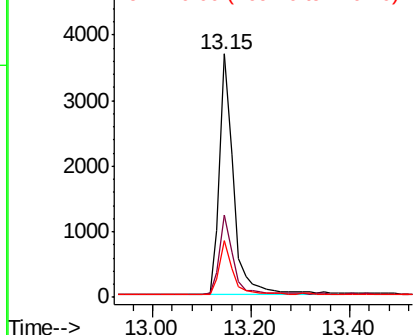
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 7214
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 23.5 19.6 29.4

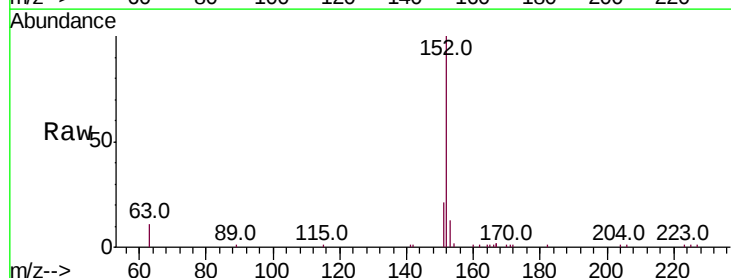


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

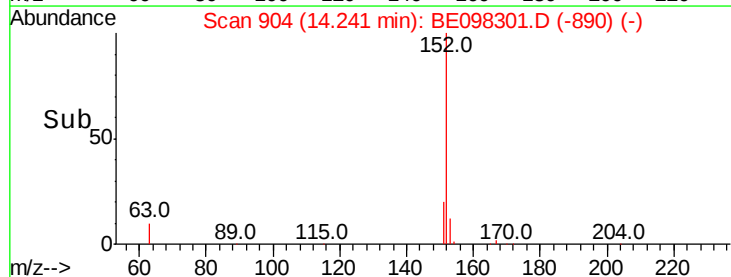
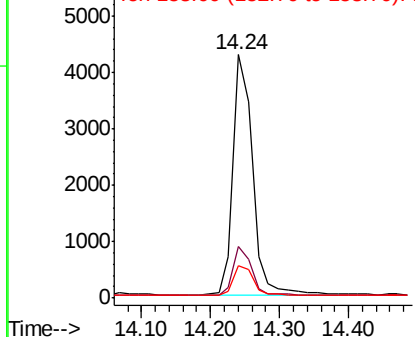


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Tgt Ion:152 Resp: 8370
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3
153 12.6 10.6 16.0



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

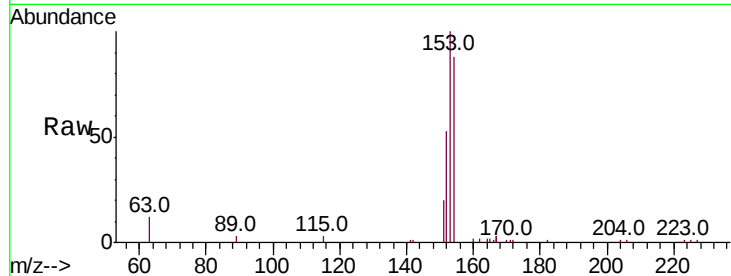




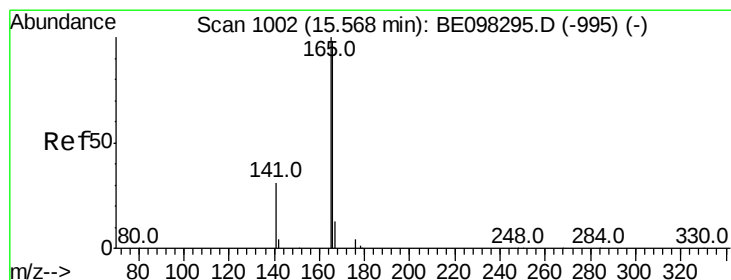
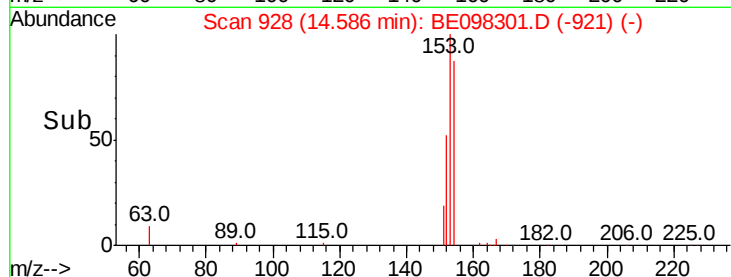
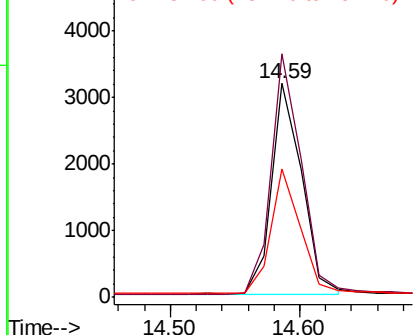
#17
Acenaphthene
Concen: 0.401 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:154 Resp: 5136
Ion Ratio Lower Upper
154 100
153 114.1 91.8 137.6
152 57.9 45.5 68.3

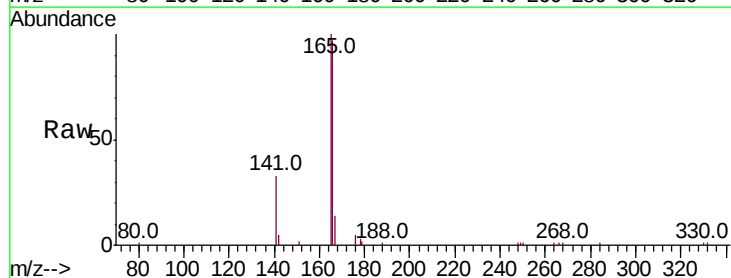


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

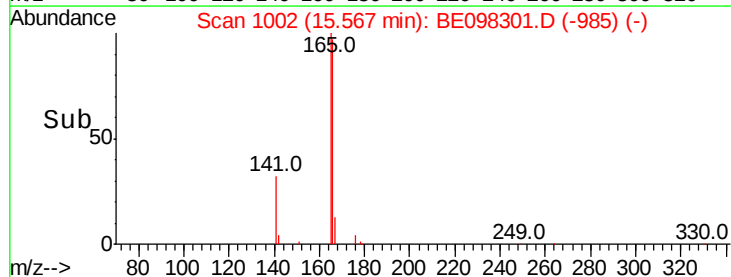
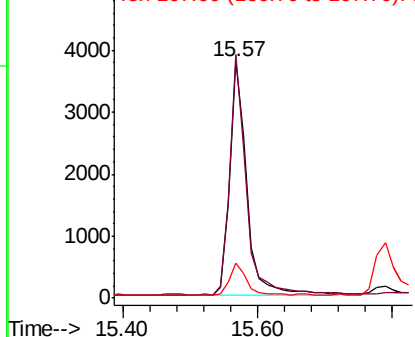


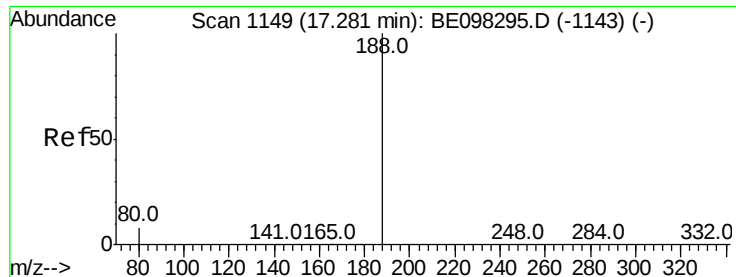
#18
Fluorene
Concen: 0.394 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098301.D
Acq: 10 Dec 2018 16:54

Tgt Ion:166 Resp: 6765
Ion Ratio Lower Upper
166 100
165 99.4 79.3 118.9
167 13.7 11.3 16.9



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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

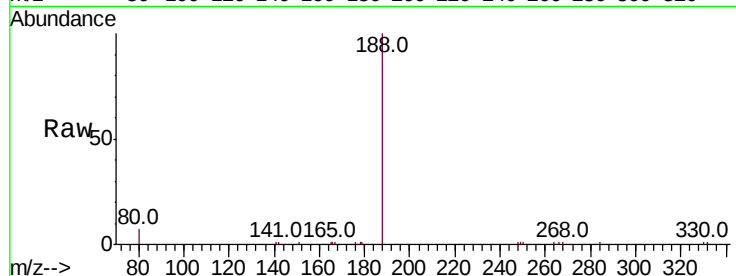
Tot Ion:188 Resp: 12424

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

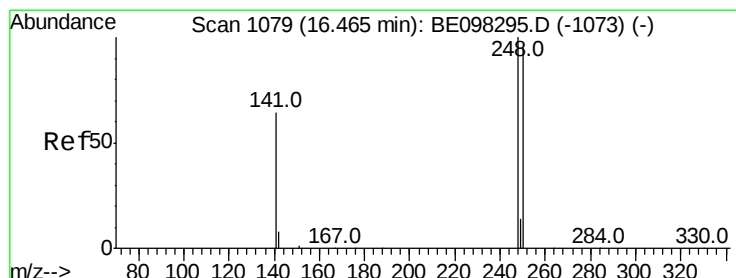
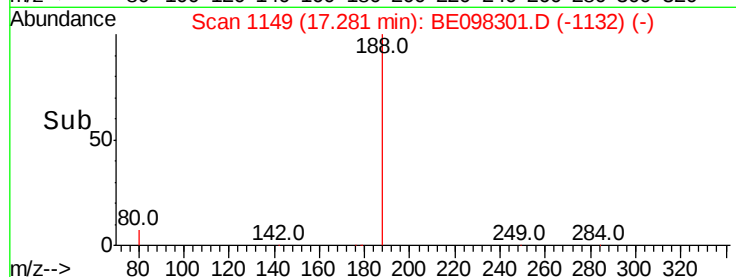
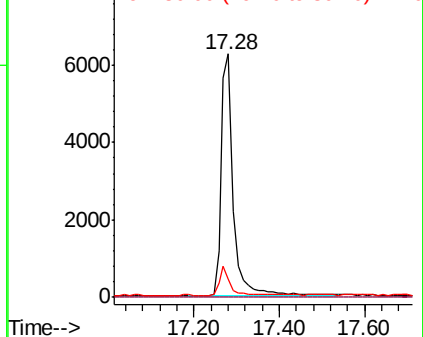
80 7.3 7.2 10.8



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: 0.385 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

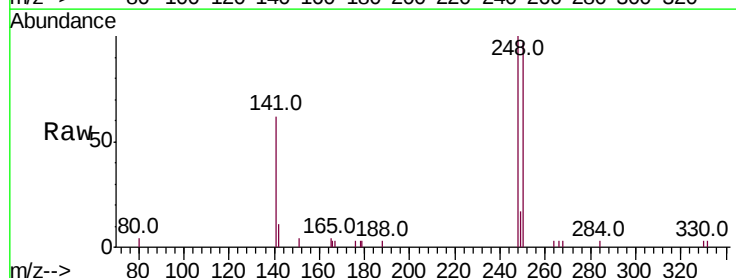
Tgt Ion:248 Resp: 2574

Ion Ratio Lower Upper

248 100

250 97.5 71.0 106.6

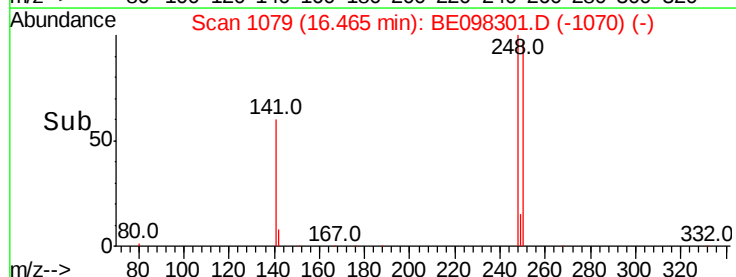
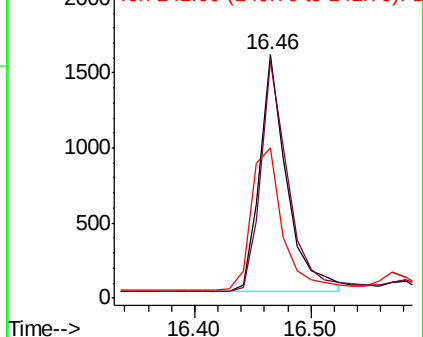
141 61.7 62.1 93.1#



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: 0.402 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

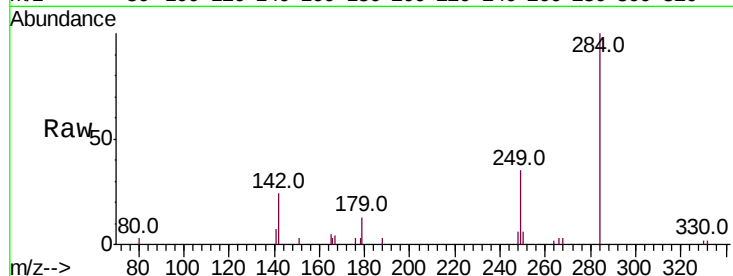
Tot Ion:284 Resp: 2891

Ion Ratio Lower Upper

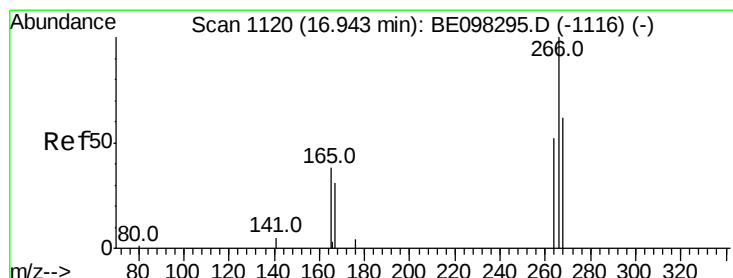
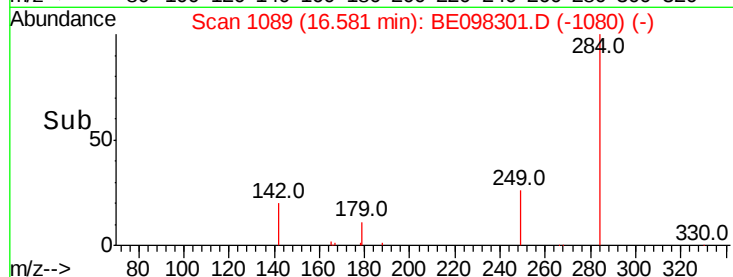
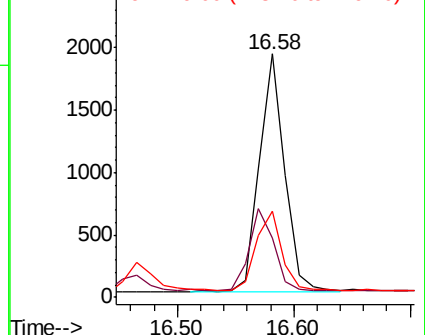
284 100

142 33.6 26.3 39.5

249 34.0 26.0 39.0



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: 0.363 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

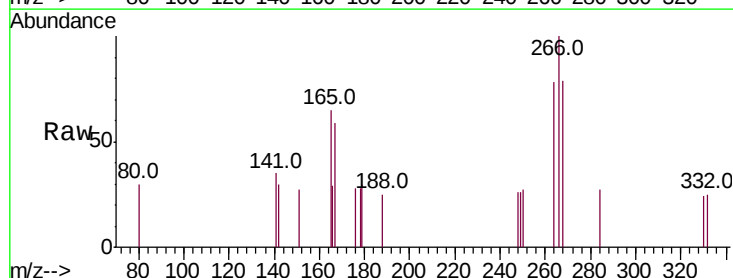
Tgt Ion:266 Resp: 413

Ion Ratio Lower Upper

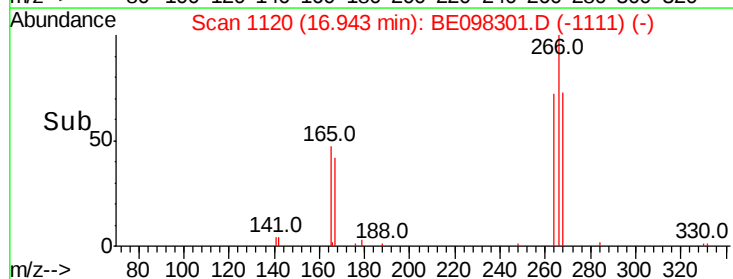
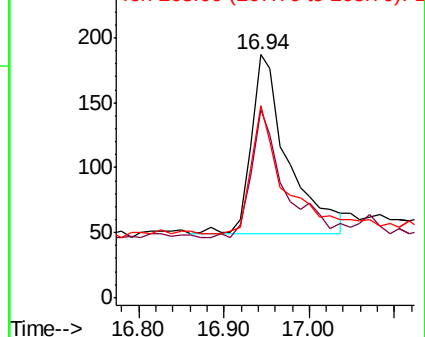
266 100

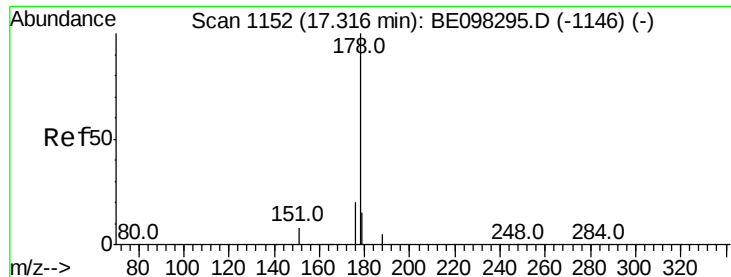
264 77.5 59.0 88.4

268 79.1 55.1 82.7



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: 0.390 ng

RT: 17.32 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

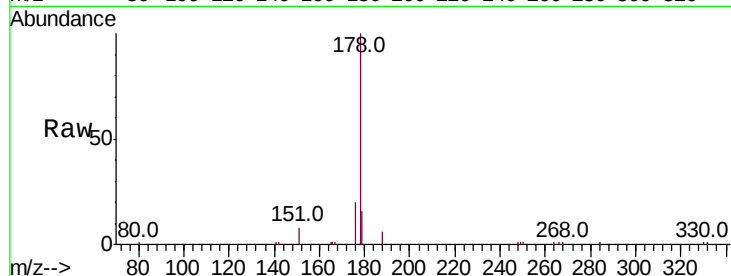
Tot Ion:178 Resp: 11764

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

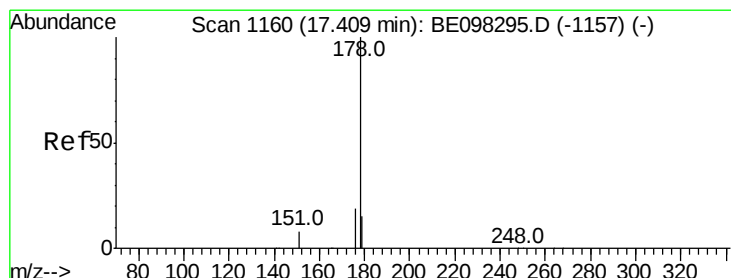
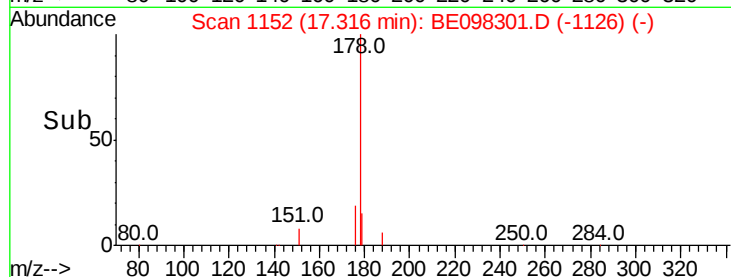
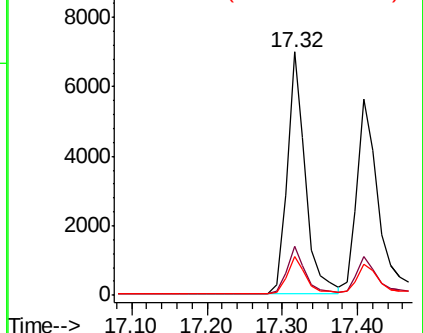
179 15.4 12.3 18.5



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: 0.379 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

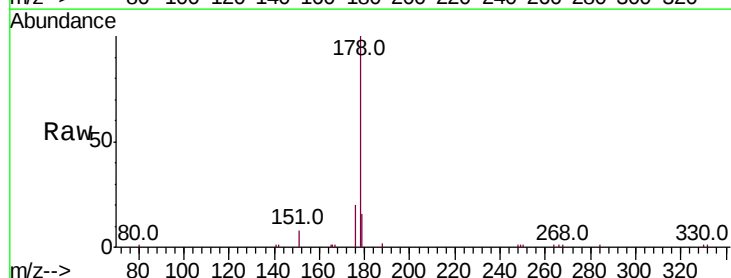
Tgt Ion:178 Resp: 10191

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

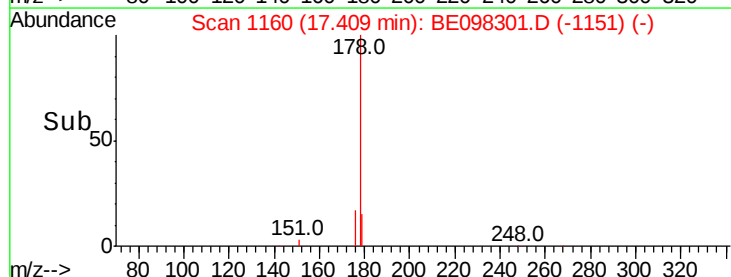
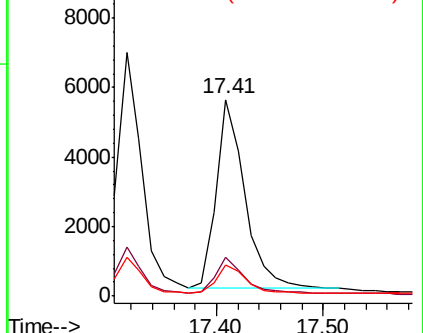
179 15.1 12.3 18.5

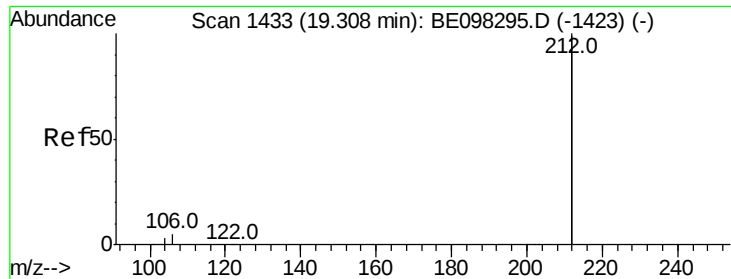


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

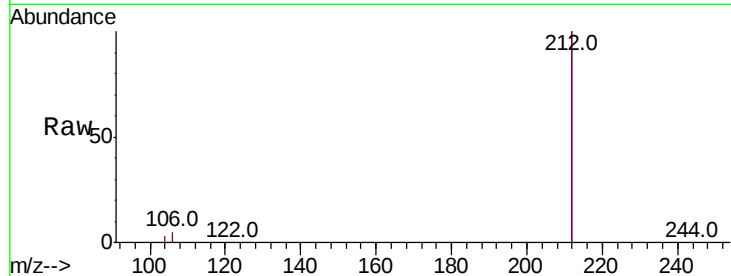
Tot Ion:212 Resp: 63260

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

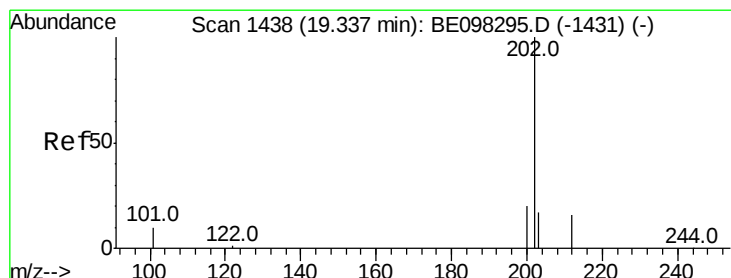
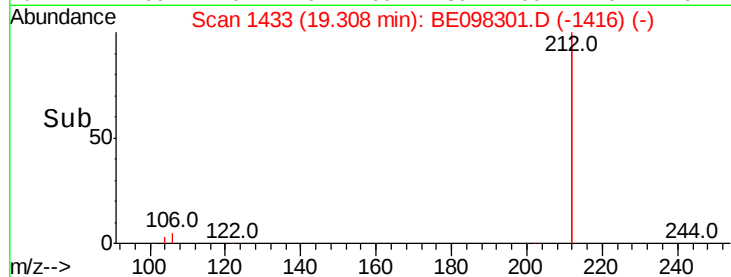
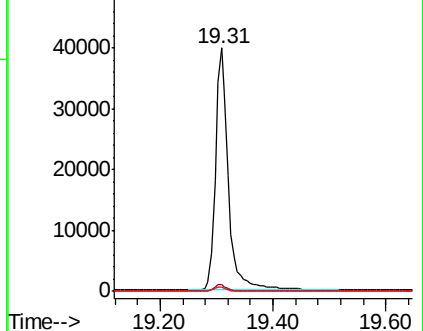
104 1.5 1.3 1.9



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: 0.396 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

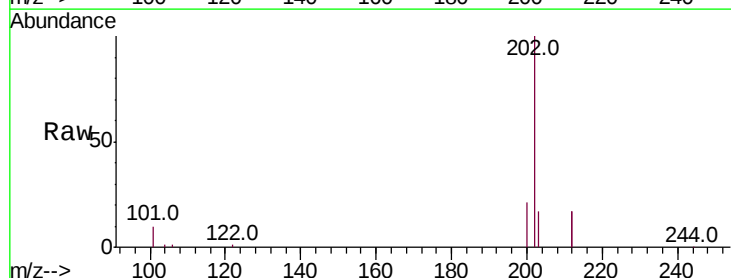
Tgt Ion:202 Resp: 15822

Ion Ratio Lower Upper

202 100

101 9.9 8.0 12.0

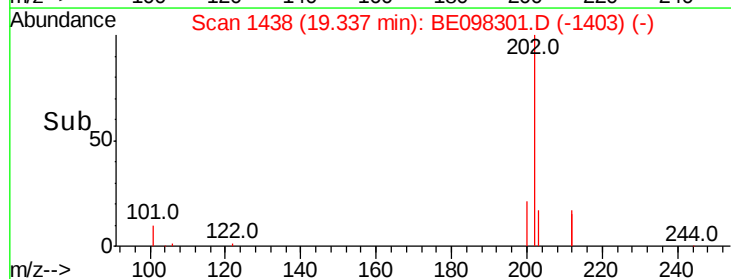
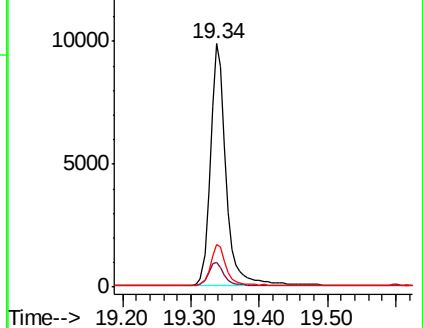
203 17.1 13.8 20.6



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: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

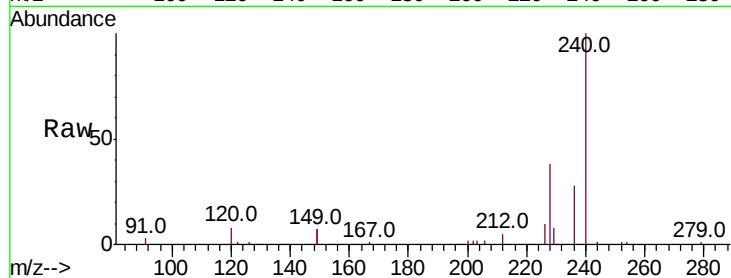
Tot Ion:240 Resp: 12496

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

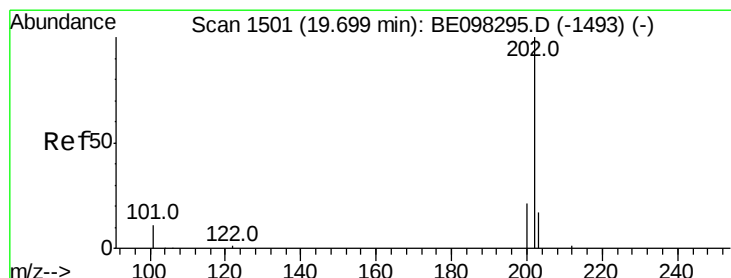
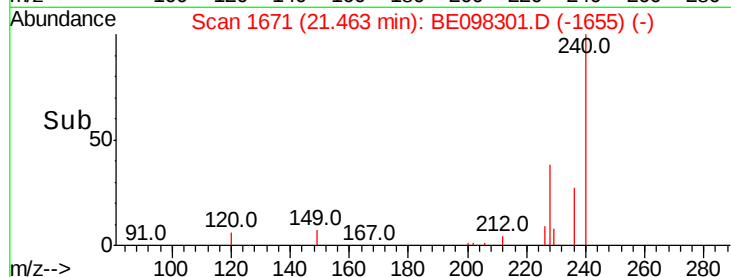
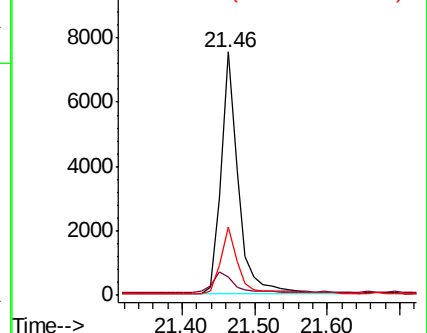
236 27.8 22.7 34.1



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: 0.411 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

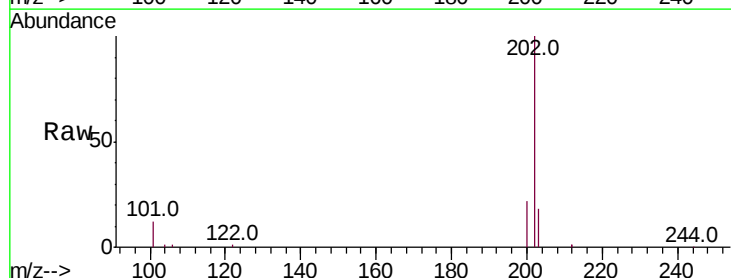
Tgt Ion:202 Resp: 16111

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

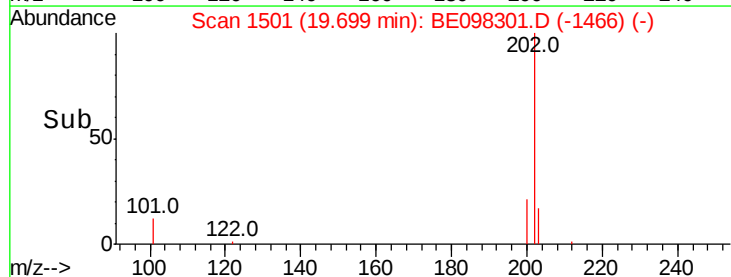
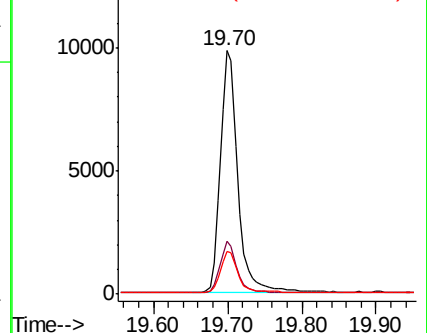
203 17.2 14.1 21.1



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: 0.384 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

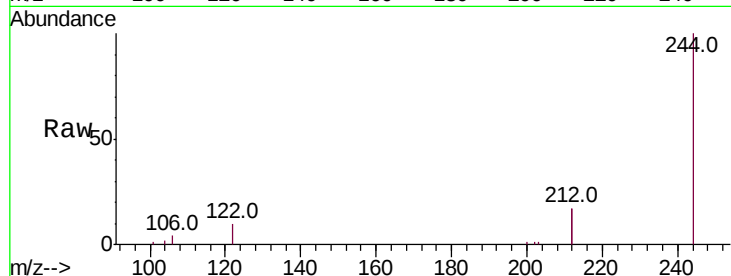
Tot Ion:244 Resp: 11670

Ion Ratio Lower Upper

244 100

212 34.7 27.4 41.0

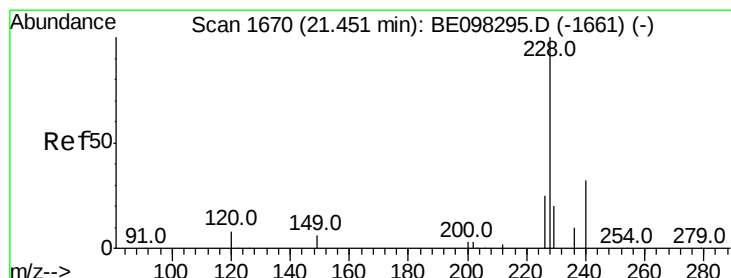
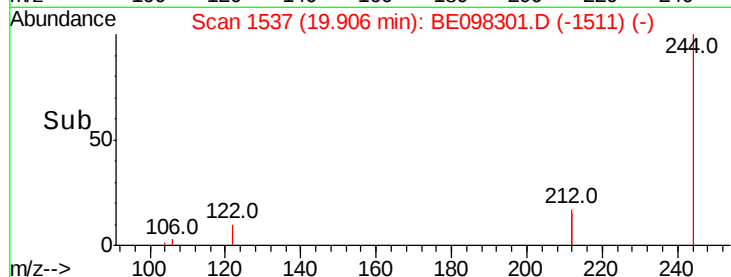
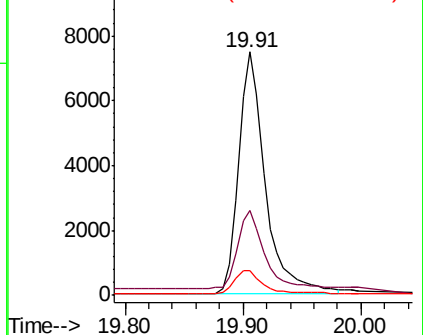
122 10.2 8.3 12.5



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: 0.383 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

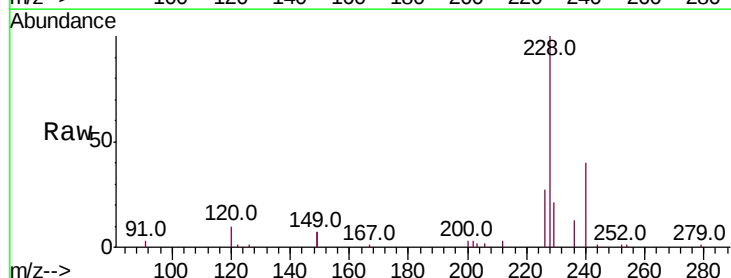
Tgt Ion:228 Resp: 13616

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

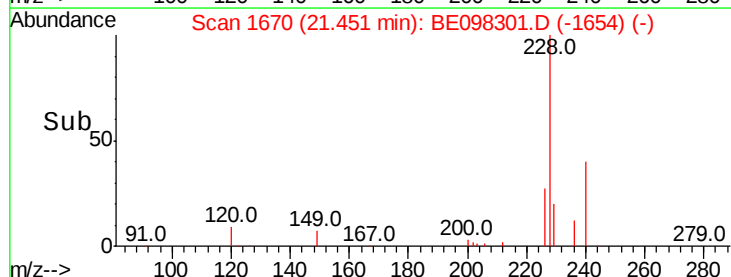
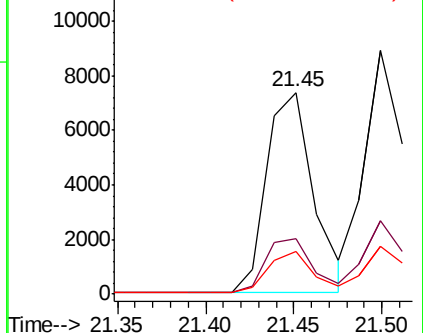
229 20.8 16.3 24.5



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: 0.402 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

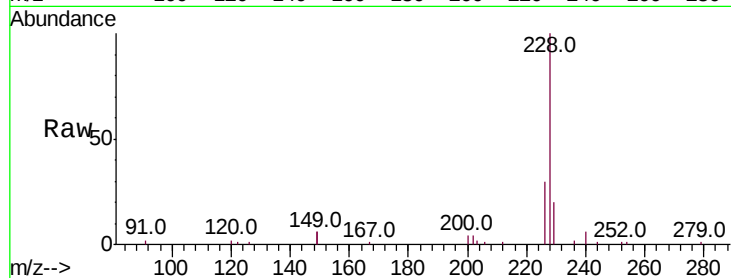
BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:228 Resp: 14967

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	19.8	16.2	24.4

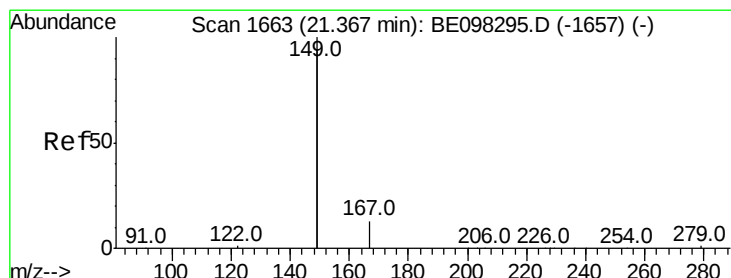
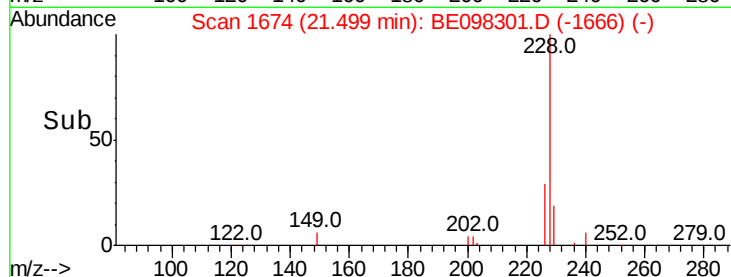
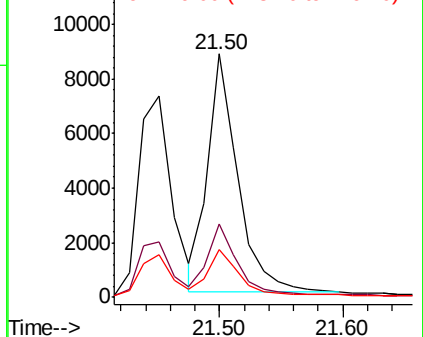


Abundance

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: 0.369 ng

RT: 21.37 min Scan# 1663

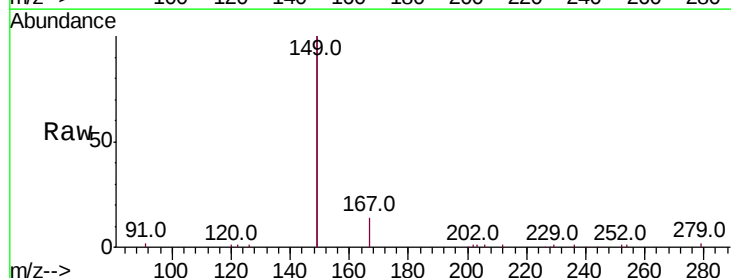
Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Tgt Ion:149 Resp: 26699

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.7	8.5
279	1.1	1.0	1.4

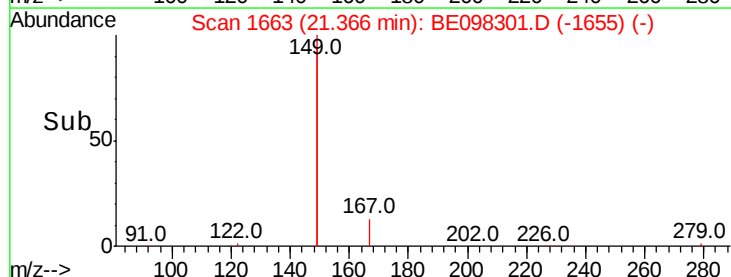
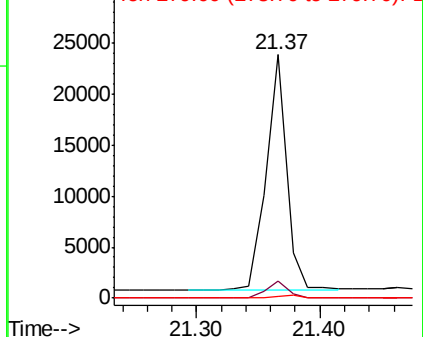


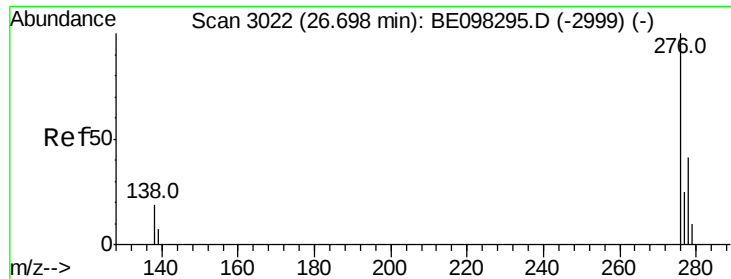
Abundance

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

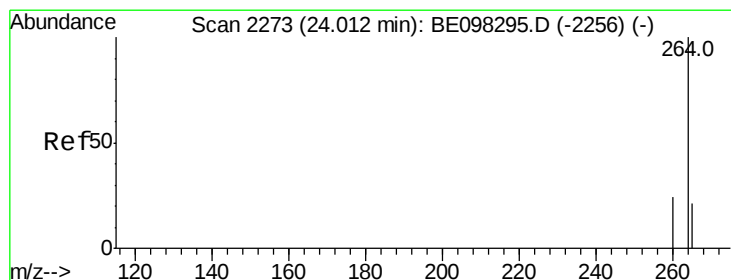
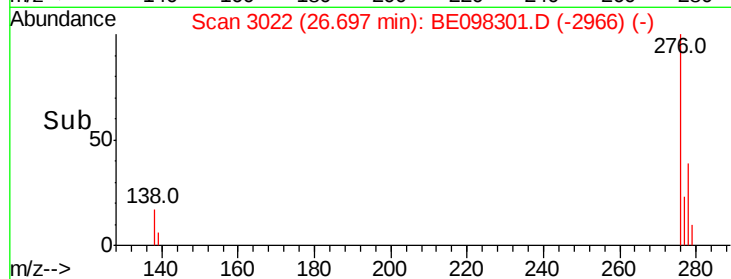
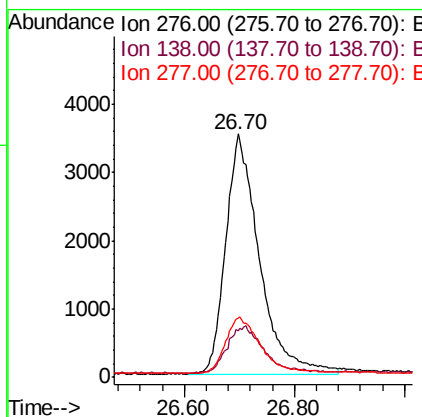
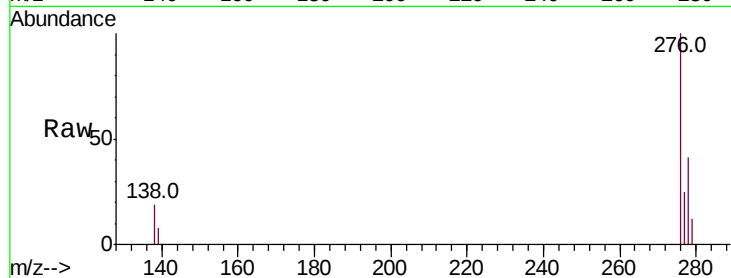




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.402 ng
 RT: 26.70 min Scan# 3022
 Delta R.T. -0.00 min
 Lab File: BE098301.D
 Acq: 10 Dec 2018 16:54

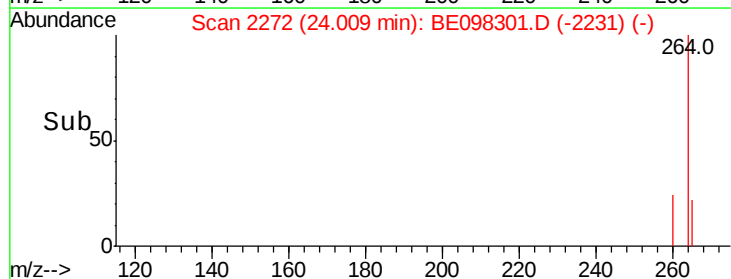
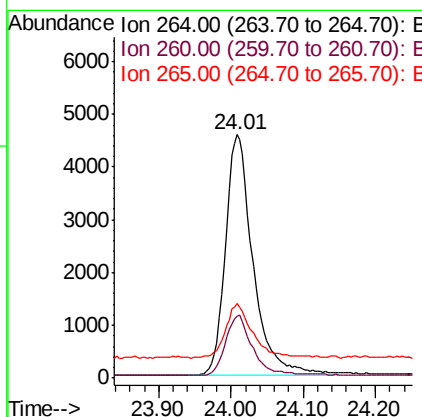
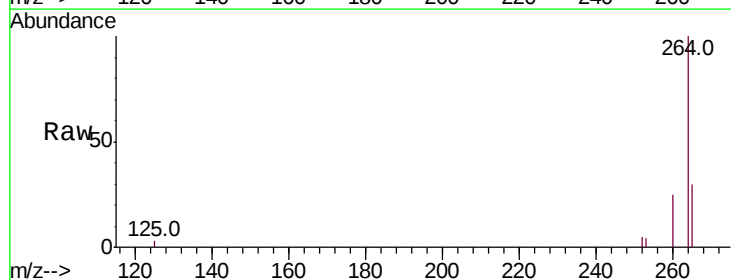
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

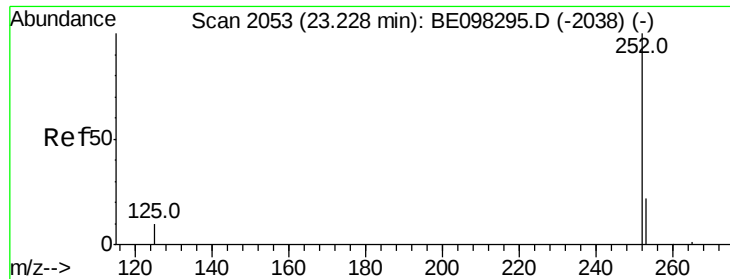
Tot Ion:276 Resp: 14895
 Ion Ratio Lower Upper
 276 100
 138 21.0 16.3 24.5
 277 23.5 20.2 30.4



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BE098301.D
 Acq: 10 Dec 2018 16:54

Tgt Ion:264 Resp: 11878
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.2 30.2
 265 30.5 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.391 ng

RT: 23.23 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

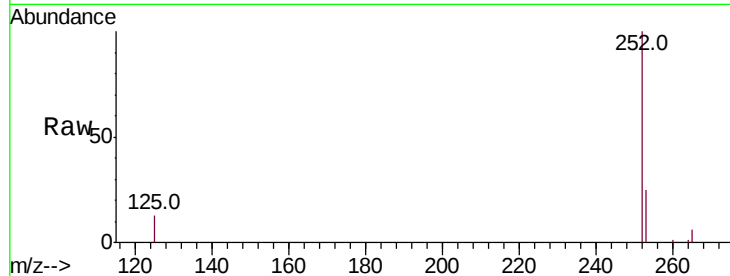
Tot Ion:252 Resp: 12705

Ion Ratio Lower Upper

252 100

253 25.4 20.0 30.0

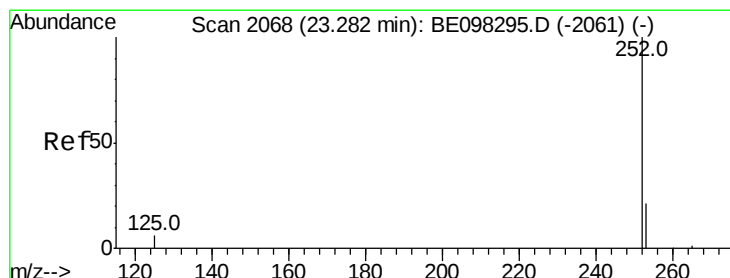
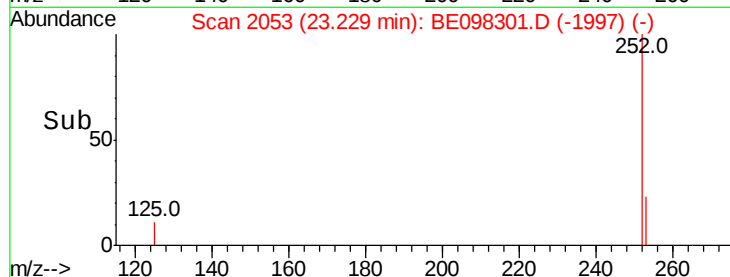
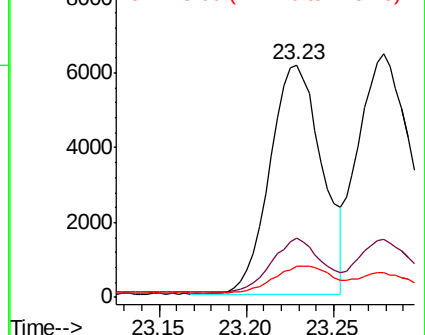
125 13.3 9.6 14.4



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: 0.391 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

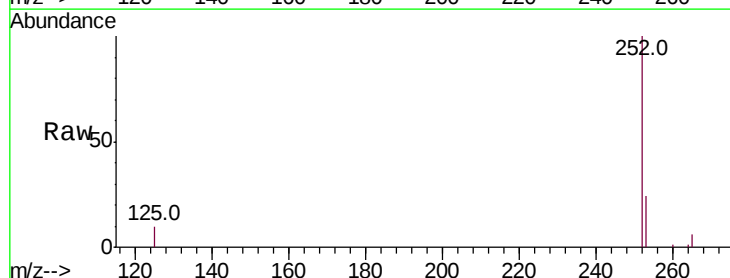
Tgt Ion:252 Resp: 14788

Ion Ratio Lower Upper

252 100

253 23.9 19.0 28.6

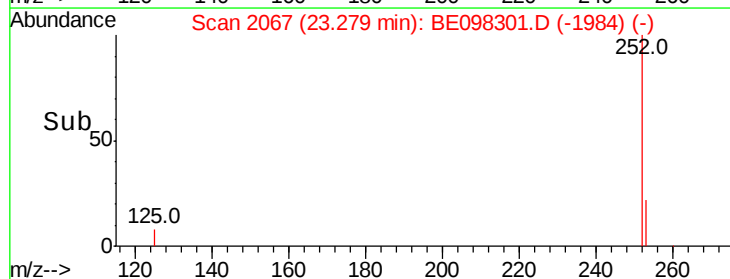
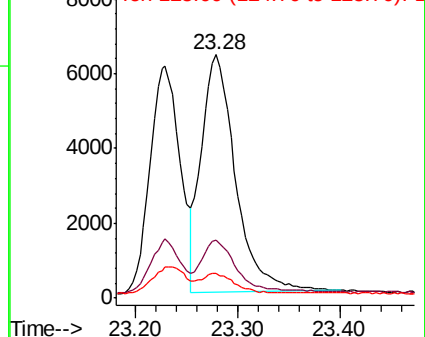
125 10.2 9.1 13.7

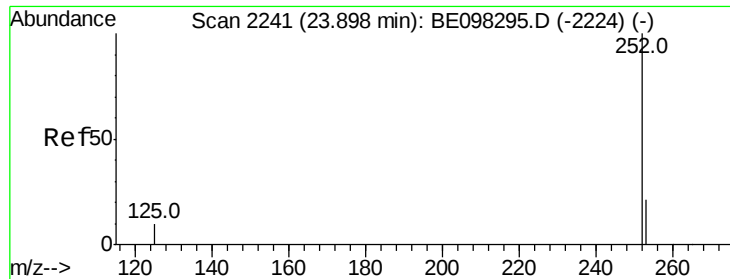


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.90 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

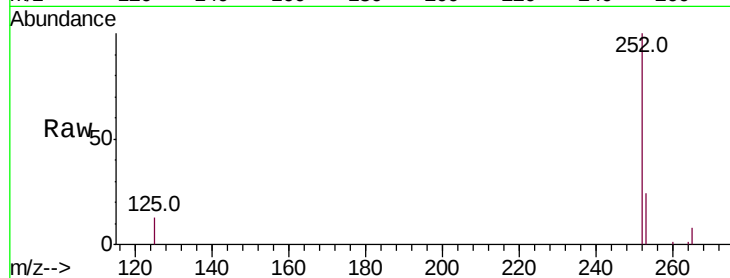
Tot Ion:252 Resp: 13171

Ion Ratio Lower Upper

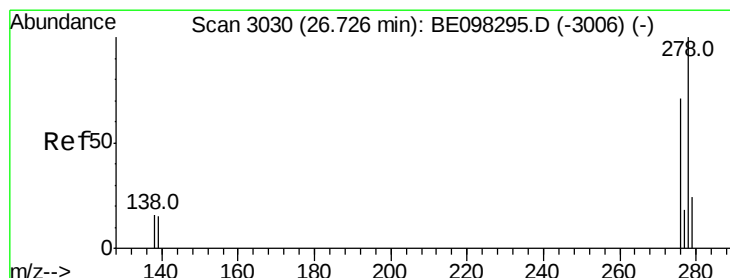
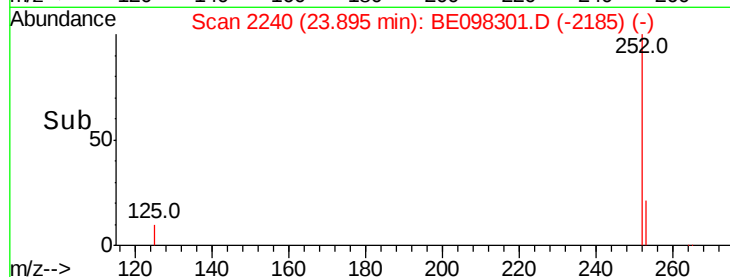
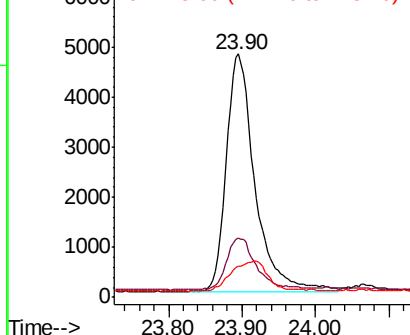
252 100

253 24.2 20.6 30.8

125 12.8 10.5 15.7



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: 0.389 ng

RT: 26.73 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

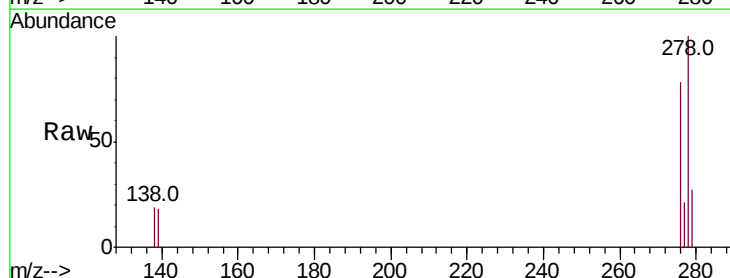
Tgt Ion:278 Resp: 12275

Ion Ratio Lower Upper

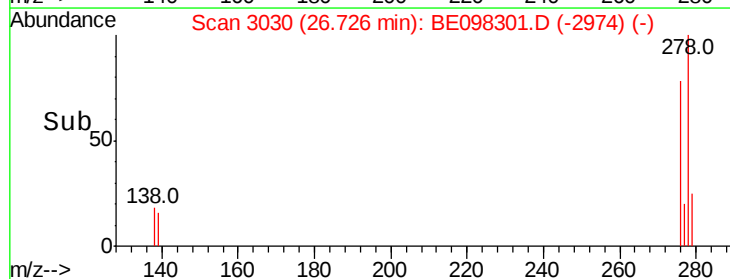
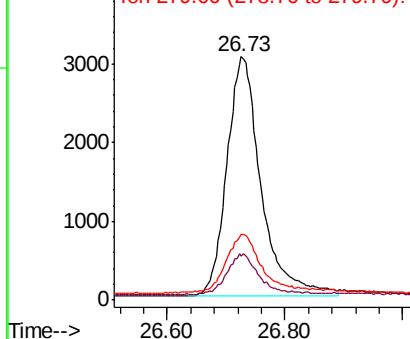
278 100

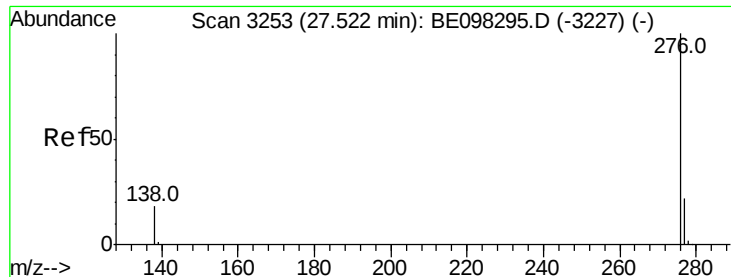
139 18.0 14.5 21.7

279 27.2 21.8 32.8



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: 0.397 ng

RT: 27.52 min Scan# 3254

Delta R.T. 0.00 min

Lab File: BE098301.D

Acq: 10 Dec 2018 16:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

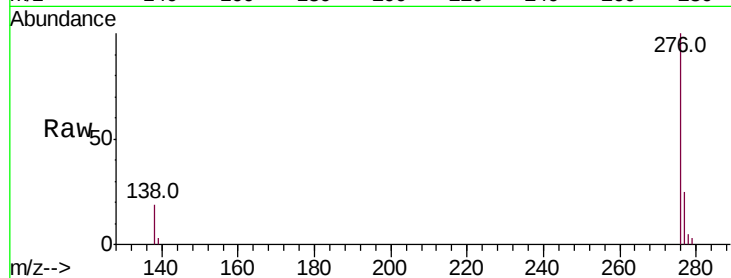
Tot Ion:276 Resp: 12631

Ion Ratio Lower Upper

276 100

277 25.2 20.8 31.2

138 18.9 15.8 23.6



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

