

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE093019\
 Data File : BE100582.D
 Acq On : 30 Sep 2019 14:34
 Operator : JU
 Sample : K4839-05DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Oct 01 06:59:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 27 18:32:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	3894	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	16792	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	10095	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	24586	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28095	0.40	ng	0.00
34) Perylene-d12	23.85	264	30977	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	75139	6.54	ng	0.00
5) Phenol-d6	7.01	99	113424	7.28	ng	-0.01
8) Nitrobenzene-d5	9.00	82	62306	5.14	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	35	0.00	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	23205	8.02	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	180015	5.15	ng	0.00
25) Fluoranthene-d10	19.23	212	67	0.00	ng	0.00
29) Terphenyl-d14	19.83	244	414492	5.97	ng	0.00

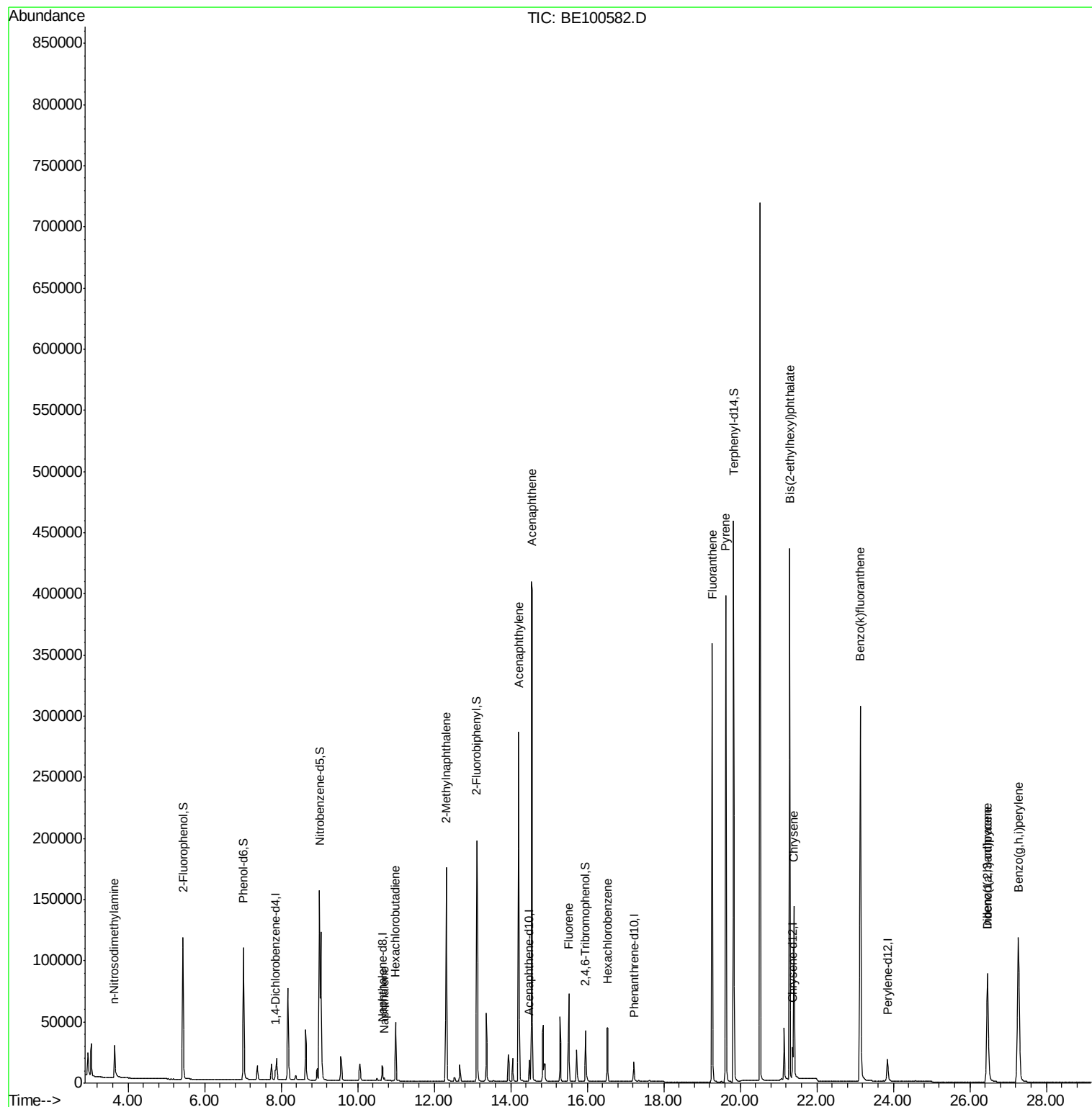
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.64	42	19398	5.191	ng	# 100
9) Naphthalene	10.69	128	4223	0.024	ng	# 94
10) Hexachlorobutadiene	10.99	225	35716	6.724	ng	99
12) 2-Methylnaphthalene	12.31	142	130965	4.415	ng	98
16) Acenaphthylene	14.21	152	341762	7.599	ng	99
17) Acenaphthene	14.56	154	262511	9.081	ng	98
18) Fluorene	15.51	166	2334	0.062	ng	# 89
21) Hexachlorobenzene	16.53	284	38879	4.122	ng	99
26) Fluoranthene	19.26	202	313699	3.599	ng	99
28) Pyrene	19.62	202	358378	4.213	ng	99
31) Chrysene	21.40	228	136858	1.622	ng	100
32) Bis(2-ethylhexyl)phthalate	21.29	149	511865	2.330	ng	99
33) Indeno(1,2,3-cd)pyrene	26.46	276	206469	1.985	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	454547	4.921	ng	# 94
38) Dibenzo(a,h)anthracene	26.46	278	6235	0.076	ng	# 78
39) Benzo(g,h,i)perylene	27.27	276	296601	3.519	ng	98

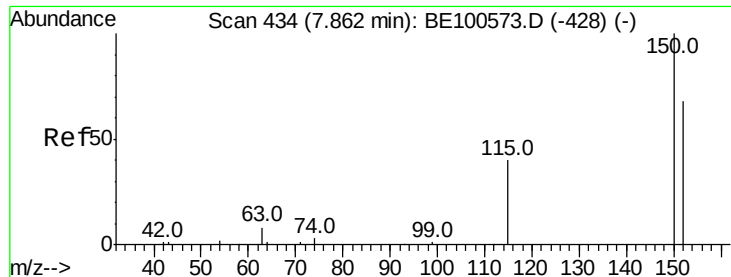
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

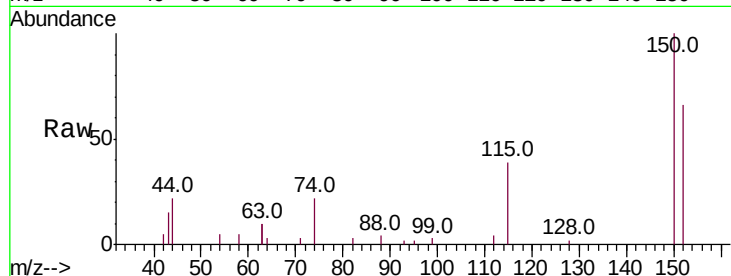
Tot Ion:152 Resp: 3894

Ion Ratio Lower Upper

152 100

150 152.3 116.9 175.3

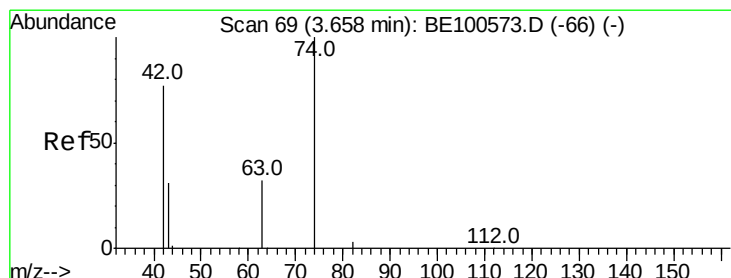
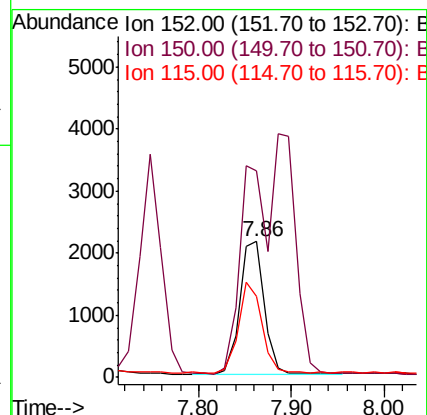
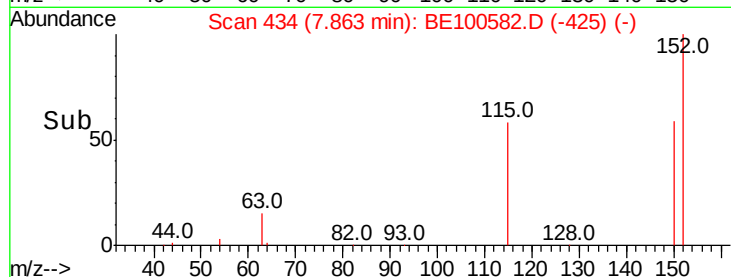
115 60.0 50.2 75.4



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



#3

n-Nitrosodimethylamine

Concen: 5.191 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.02 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

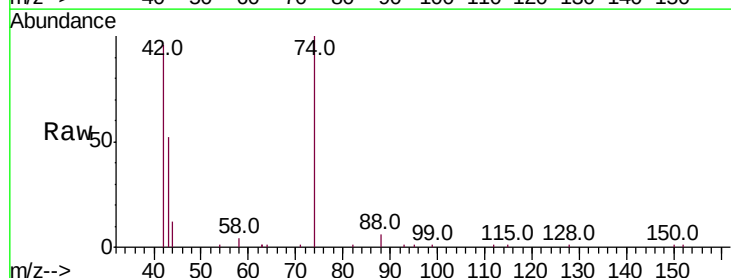
Tgt Ion: 42 Resp: 19398

Ion Ratio Lower Upper

42 100

74 167.5 0.0 0.0#

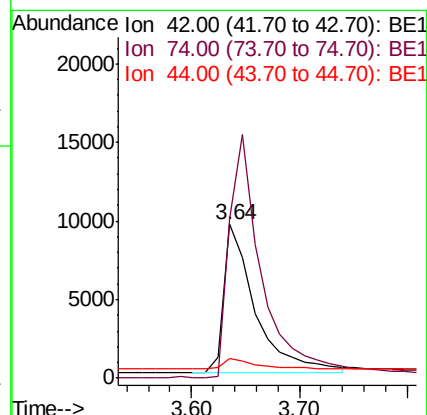
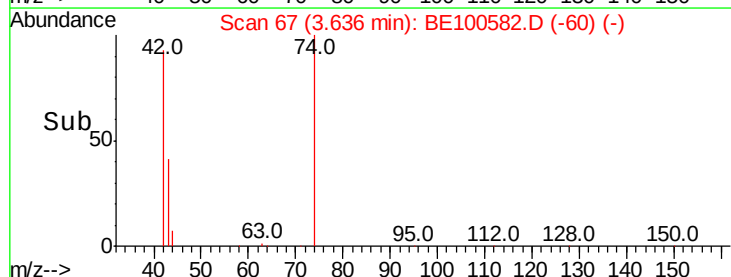
44 7.2 0.0 0.0#

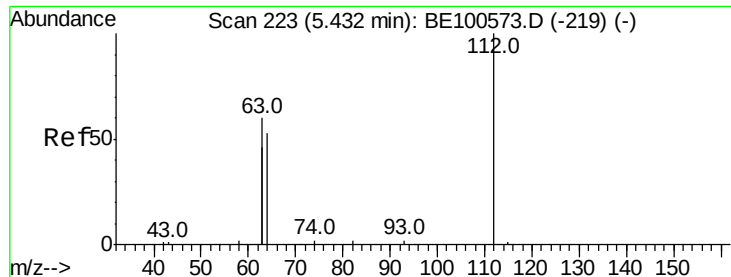


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 6.544 ng

RT: 5.43 min Scan# 223

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

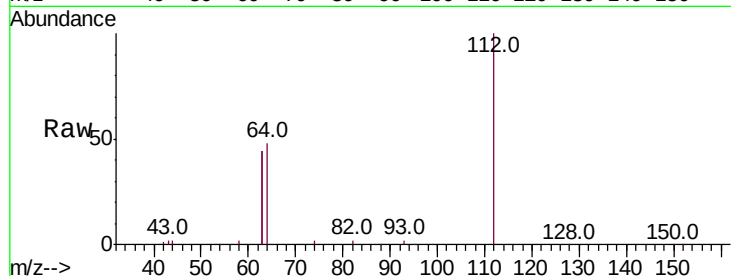
Tot Ion: 112 Resp: 75139

Ion Ratio Lower Upper

112 100

64 57.8 44.9 67.3

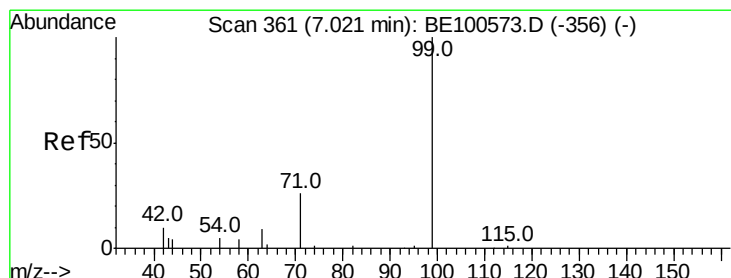
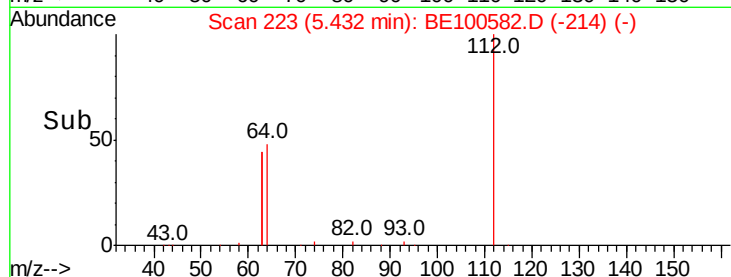
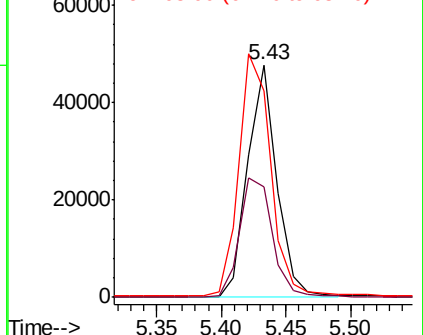
63 112.6 90.1 135.1



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 7.277 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

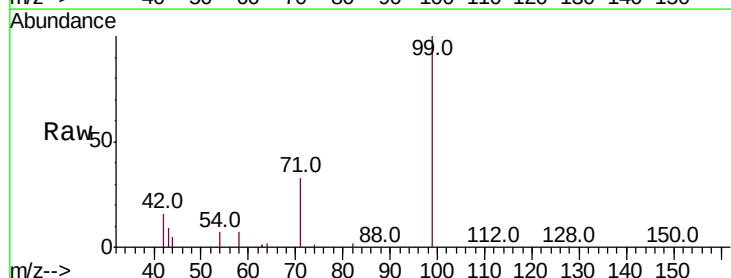
Tgt Ion: 99 Resp: 113424

Ion Ratio Lower Upper

99 100

42 14.4 11.7 17.5

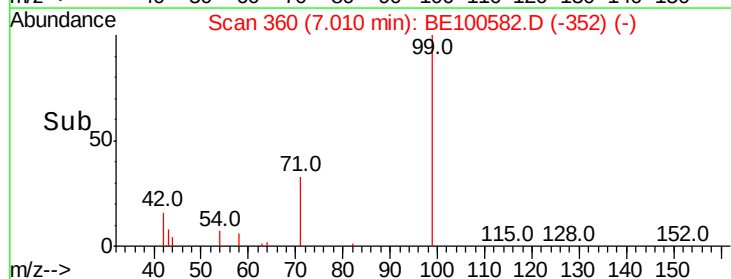
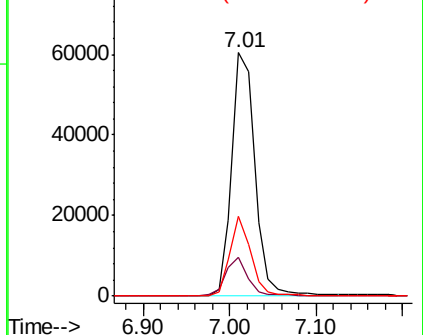
71 29.4 23.6 35.4

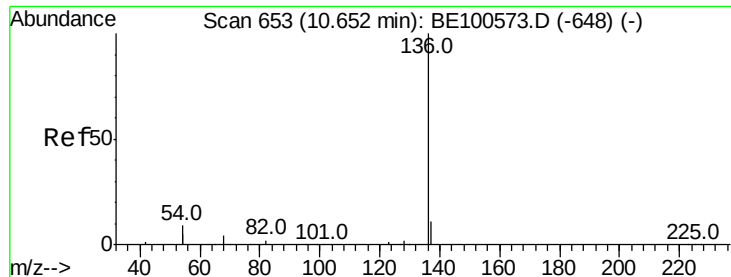


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

Tot Ion:136 Resp: 16792

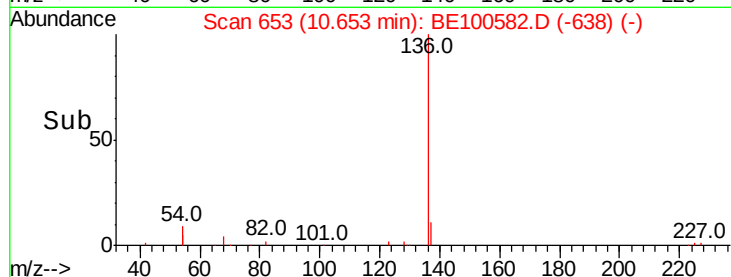
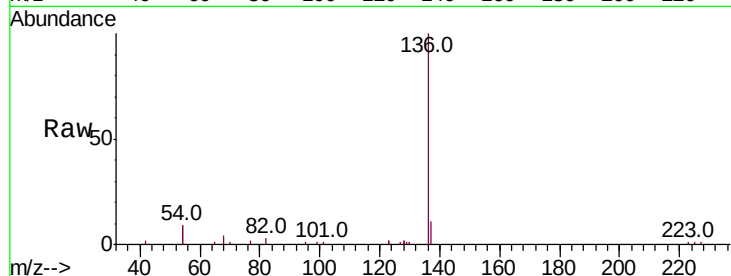
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 18.3 15.0 22.6

68 4.5 3.7 5.5

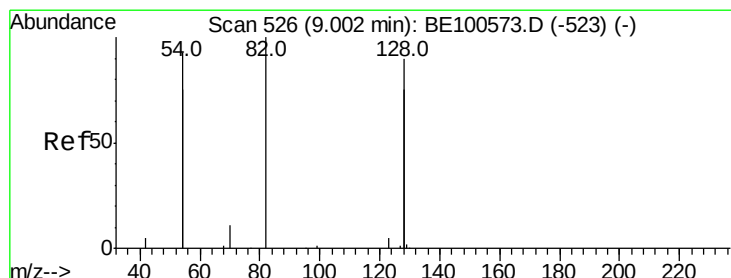
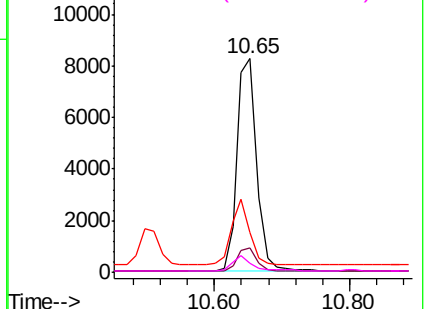


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 5.138 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

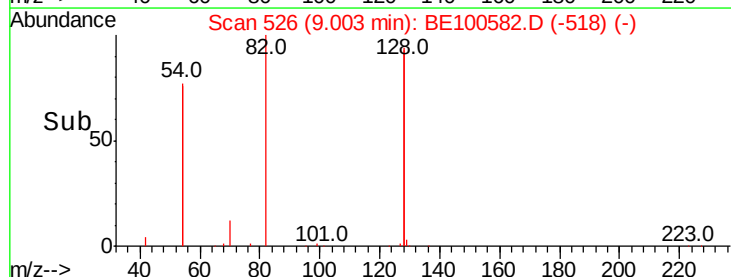
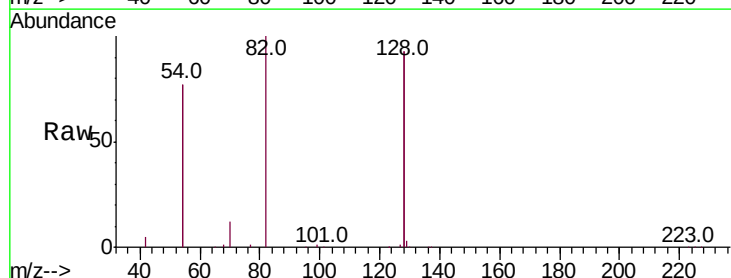
Tgt Ion: 82 Resp: 62306

Ion Ratio Lower Upper

82 100

128 186.8 137.9 206.9

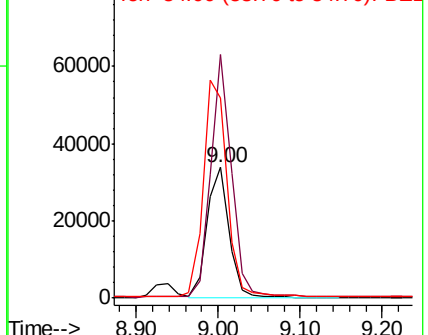
54 153.5 143.0 214.6

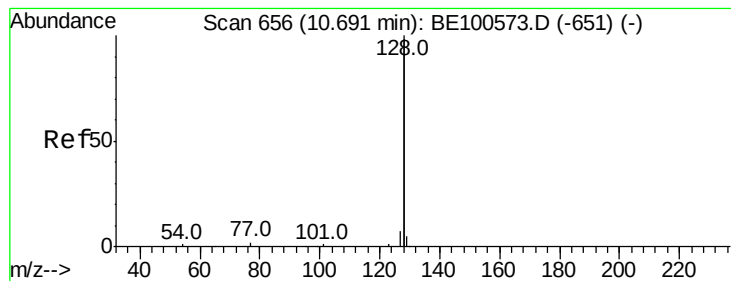


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.024 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

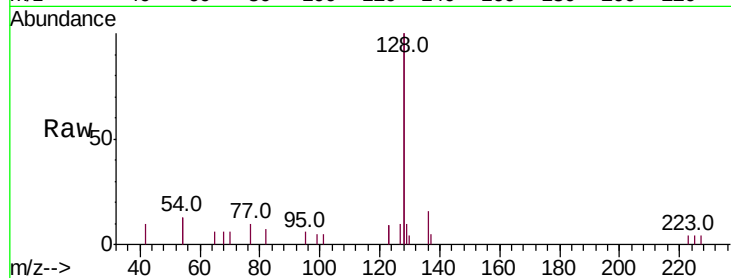
Tot Ion:128 Resp: 4223

Ion Ratio Lower Upper

128 100

129 5.0 2.2 3.4#

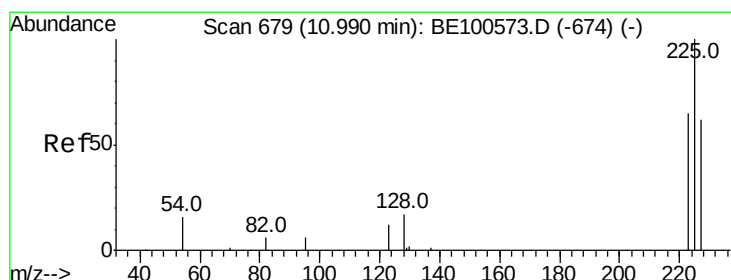
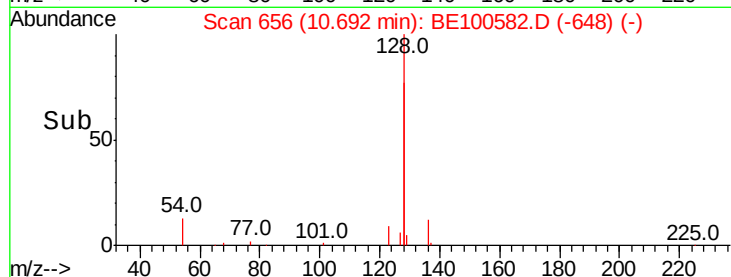
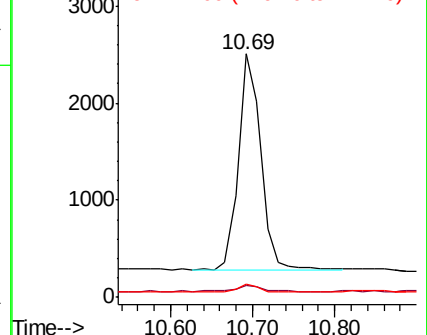
127 5.2 2.8 4.2#



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: 6.724 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

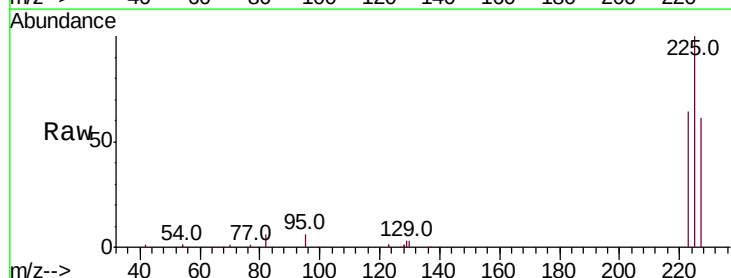
Tgt Ion:225 Resp: 35716

Ion Ratio Lower Upper

225 100

223 62.5 49.4 74.0

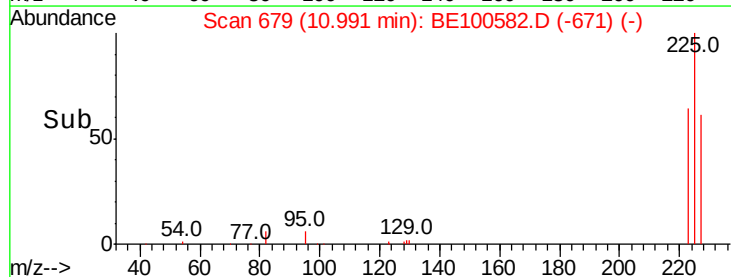
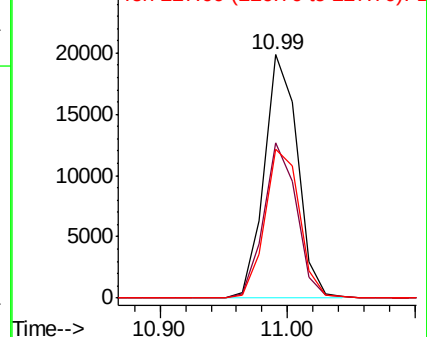
227 63.3 50.3 75.5

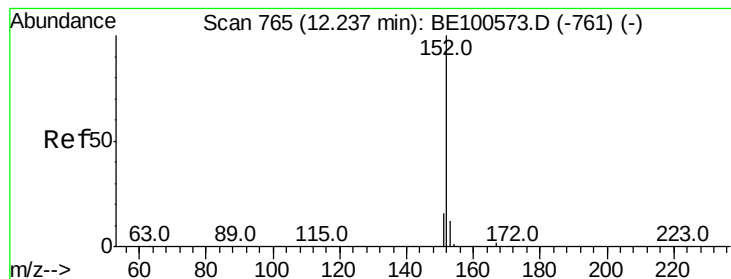


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.001 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.01 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

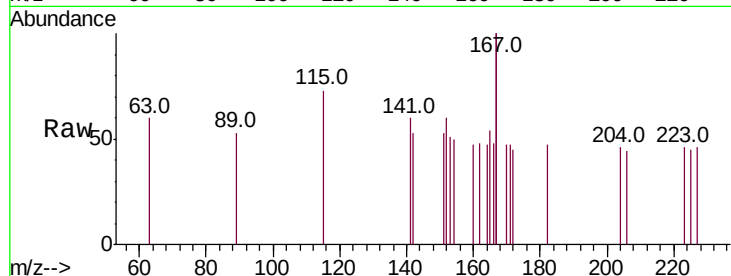
PT-BN-WPDL

Tot Ion:152 Resp: 35

Ion Ratio Lower Upper

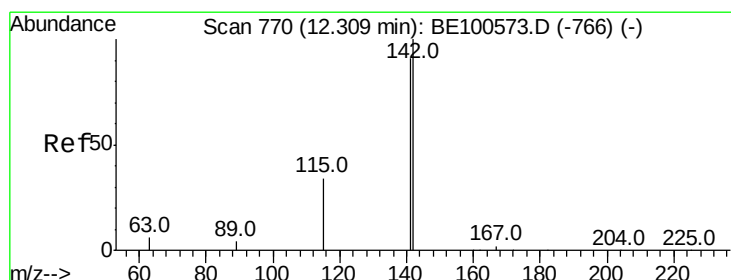
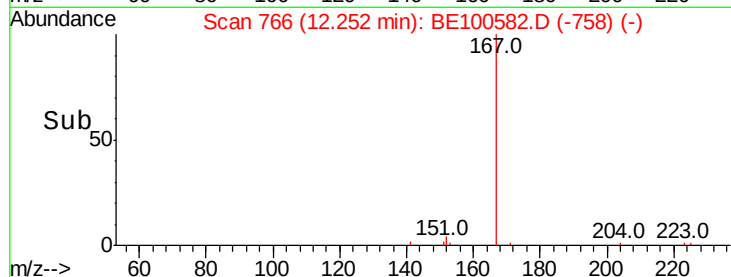
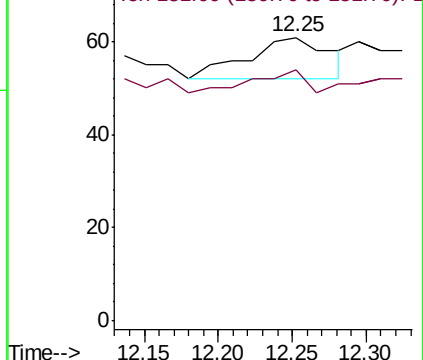
152 100

151 31.4 15.3 22.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 4.415 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

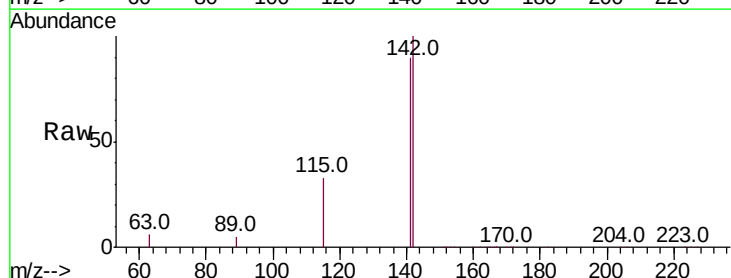
Tgt Ion:142 Resp: 130965

Ion Ratio Lower Upper

142 100

141 90.4 73.2 109.8

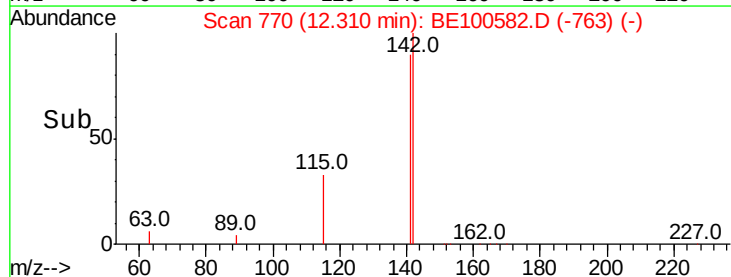
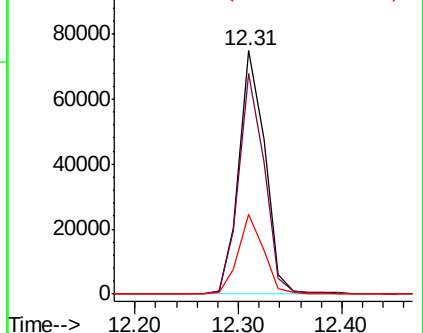
115 32.9 28.2 42.2

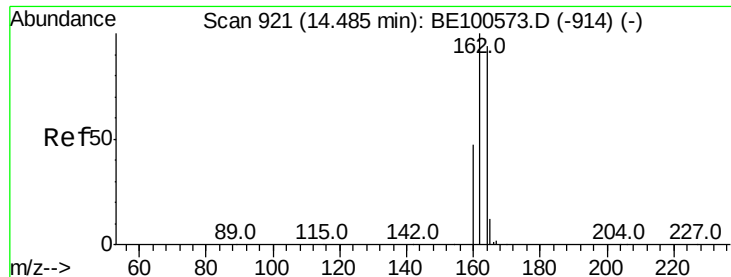


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

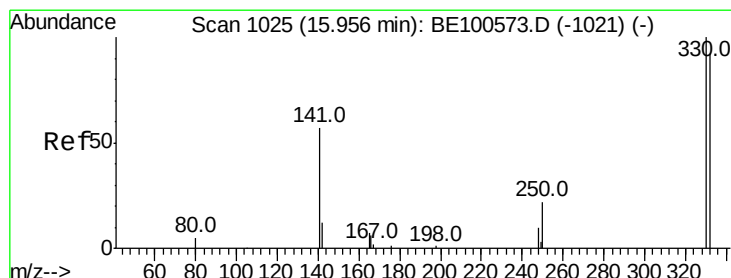
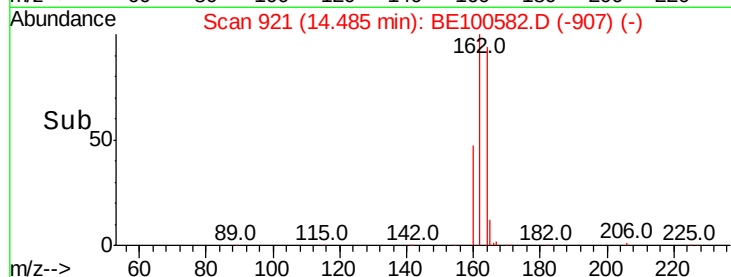
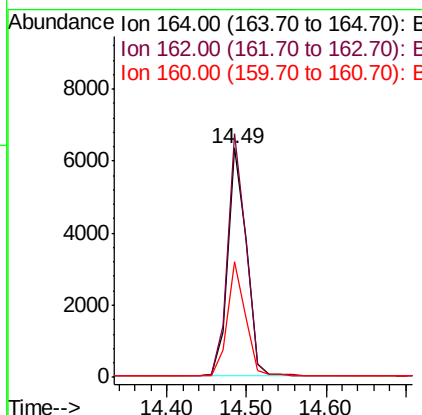
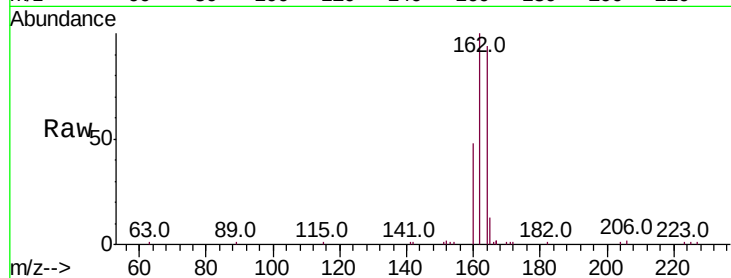




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE100582.D
 Acq: 30 Sep 2019 14:34

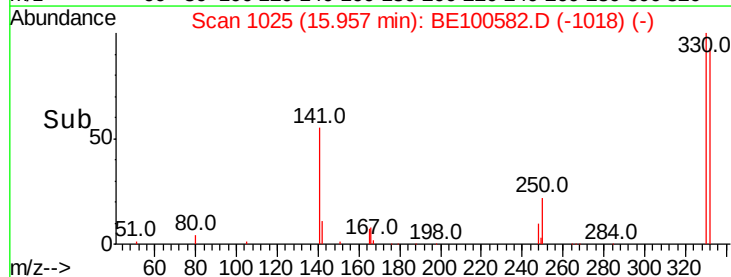
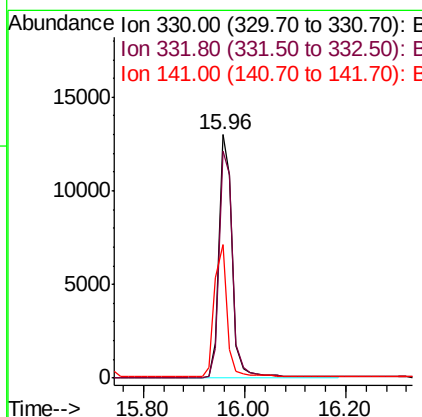
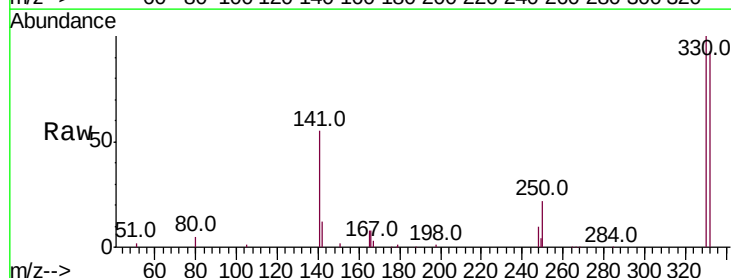
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

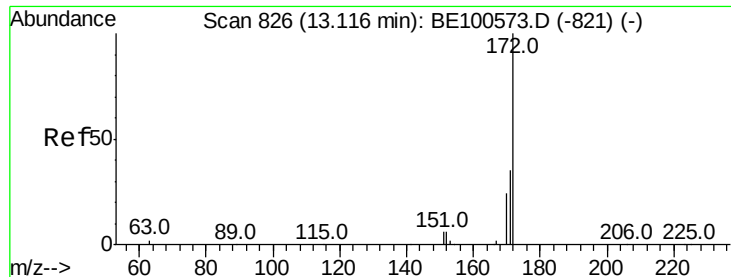
Tot Ion:164 Resp: 10095
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.0 127.4
 160 50.6 40.2 60.4



#14
 2,4,6-Tribromophenol
 Concen: 8.017 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE100582.D
 Acq: 30 Sep 2019 14:34

Tgt Ion:330 Resp: 23205
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.1 117.1
 141 52.4 42.1 63.1

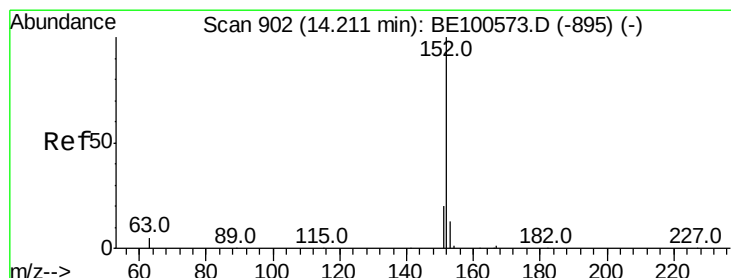
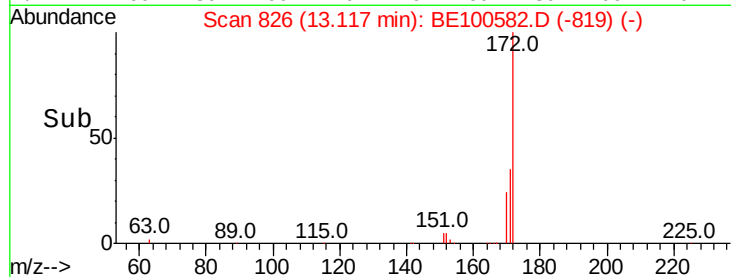
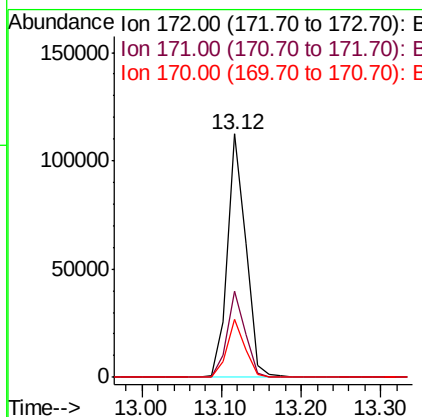
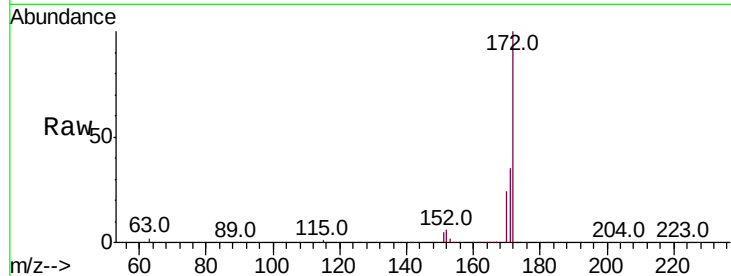




#15
2-Fluorobiphenyl
Concen: 5.151 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

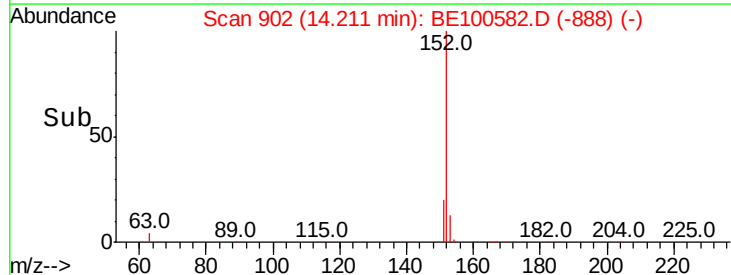
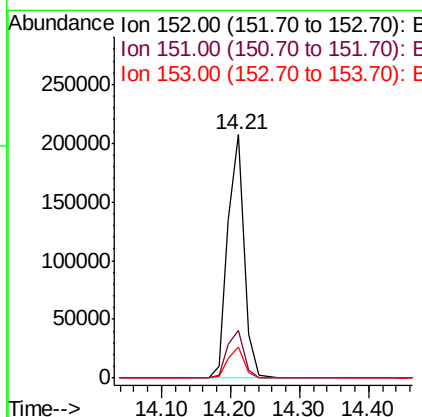
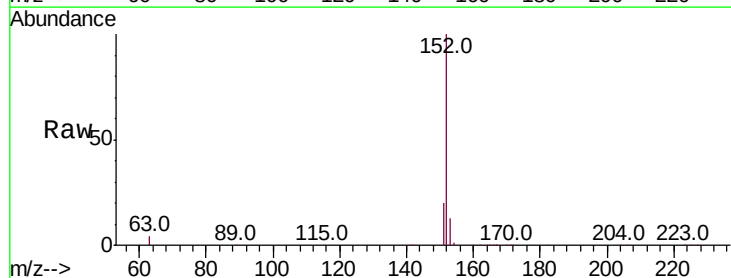
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

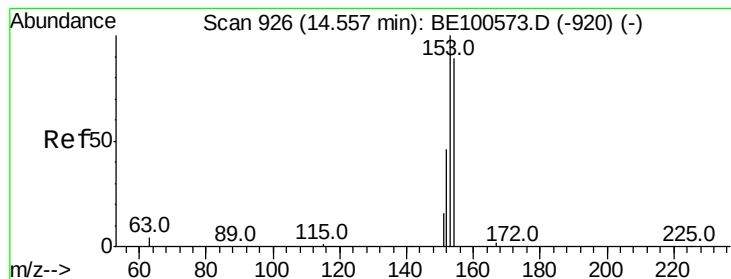
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.8	19.2	28.8



#16
Acenaphthylene
Concen: 7.599 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	12.9	10.6	16.0





#17

Acenaphthene

Concen: 9.081 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

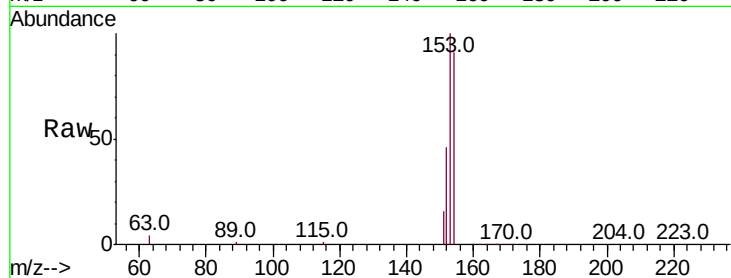
Tot Ion:154 Resp: 262511

Ion Ratio Lower Upper

154 100

153 114.3 92.7 139.1

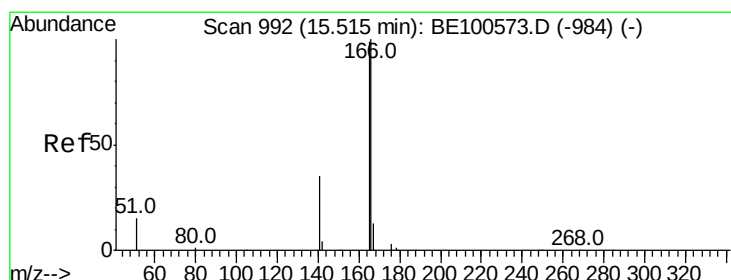
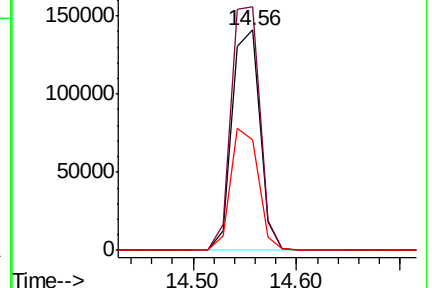
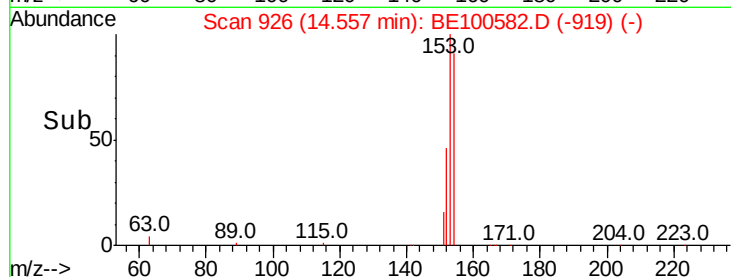
152 55.1 45.6 68.4



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: 0.062 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

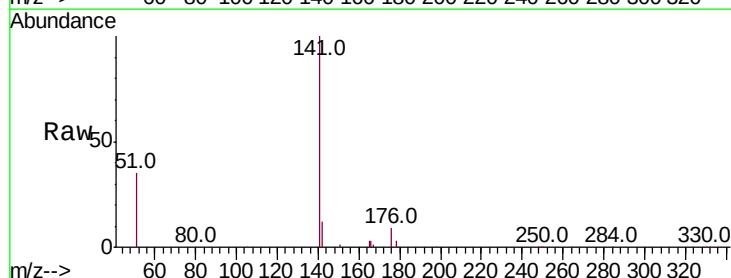
Tgt Ion:166 Resp: 2334

Ion Ratio Lower Upper

166 100

165 104.2 78.0 117.0

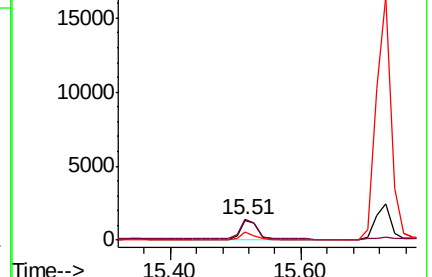
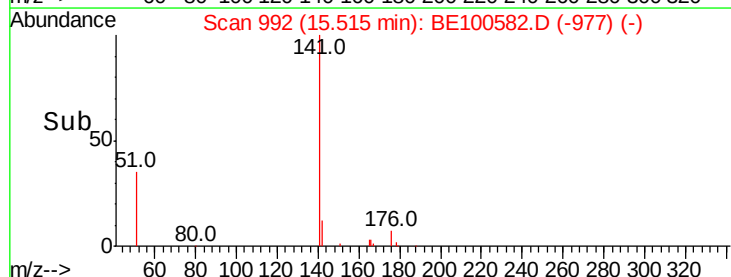
167 29.6 10.7 16.1#

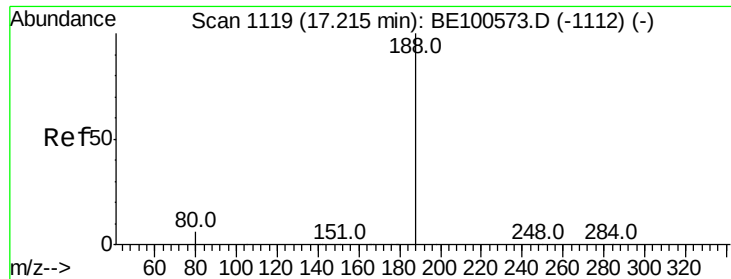


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

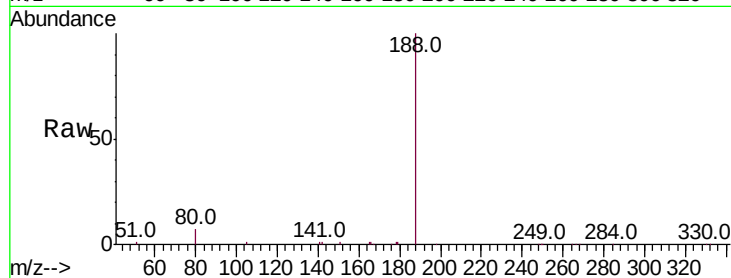
Tot Ion:188 Resp: 24586

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.5 5.6 8.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

20000

15000

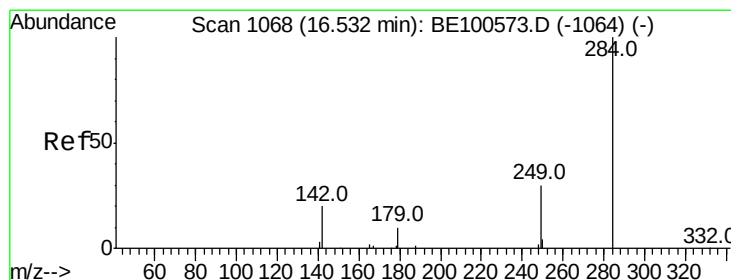
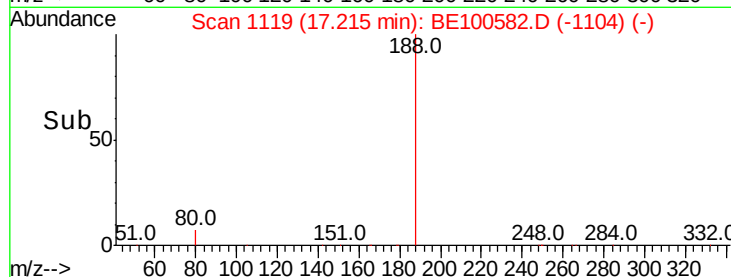
10000

5000

0

17.22

17.00 17.20 17.40



#21

Hexachlorobenzene

Concen: 4.122 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

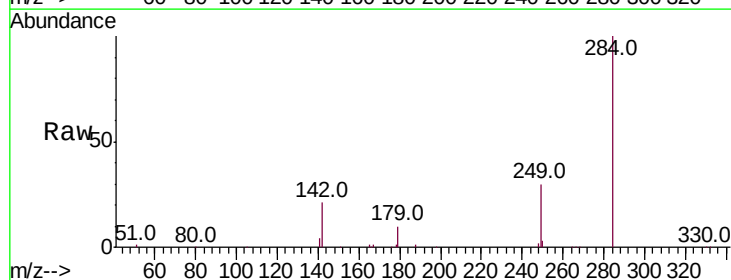
Tgt Ion:284 Resp: 38879

Ion Ratio Lower Upper

284 100

142 46.5 37.0 55.4

249 34.1 27.0 40.4



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

30000

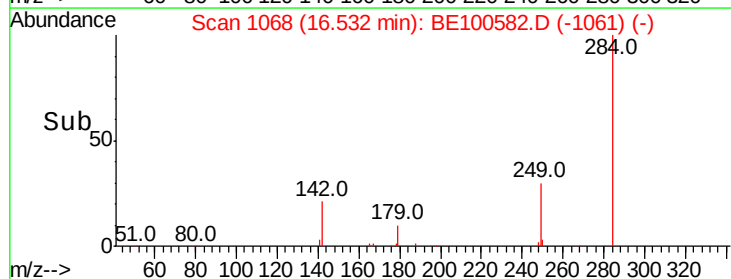
20000

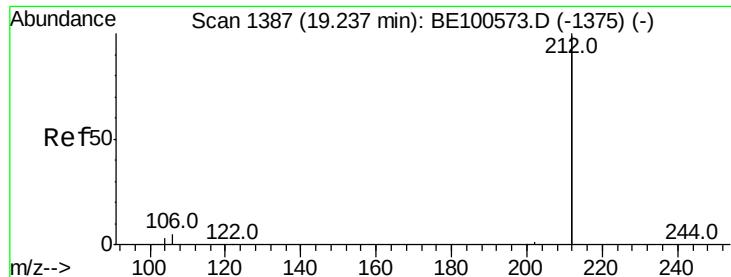
10000

0

16.53

16.45 16.50 16.55 16.60

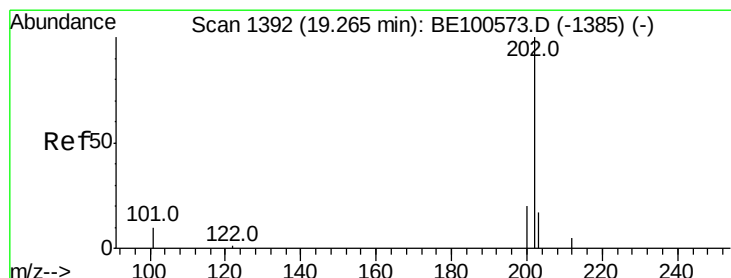
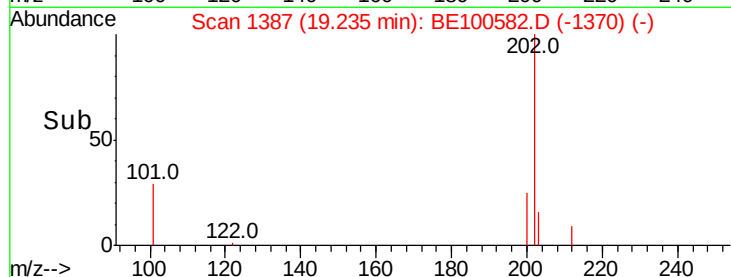
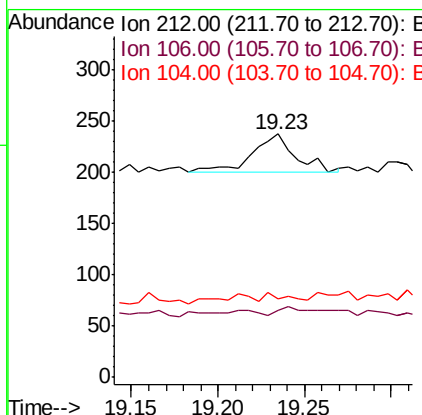
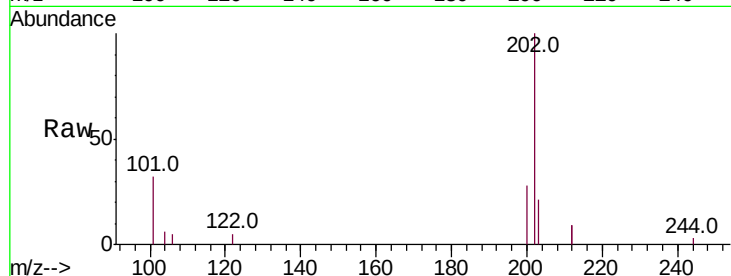




#25
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.23 min Scan# 1387
Delta R.T. -0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

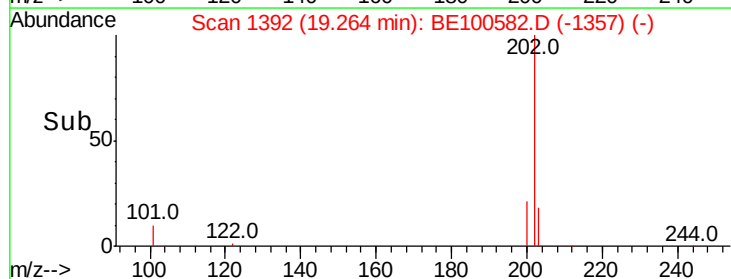
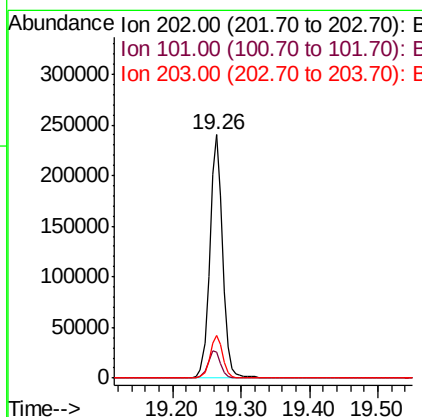
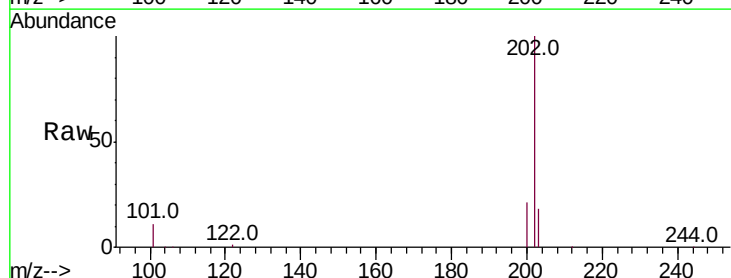
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

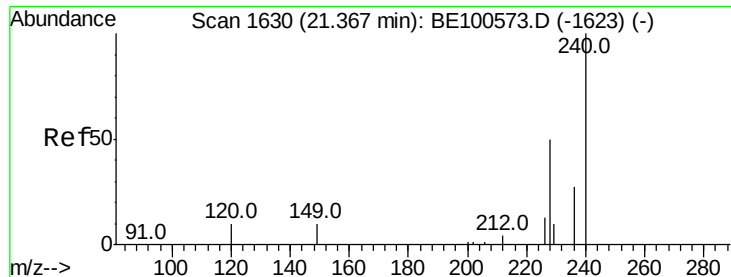
Tot Ion:212 Resp: 67
Ion Ratio Lower Upper
212 100
106 10.4 2.5 3.7#
104 0.0 1.4 2.0#



#26
Fluoranthene
Concen: 3.599 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Tgt Ion:202 Resp: 313699
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.4
203 17.4 13.6 20.4

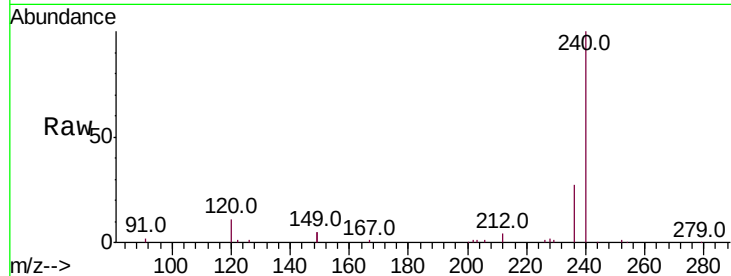




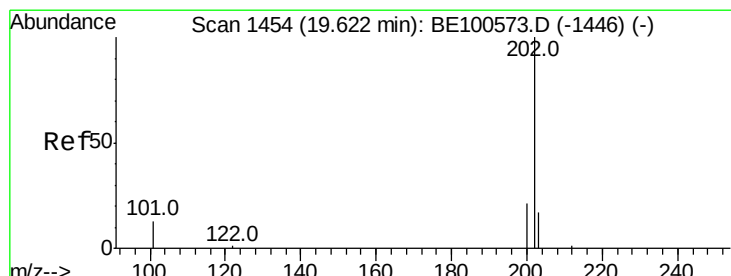
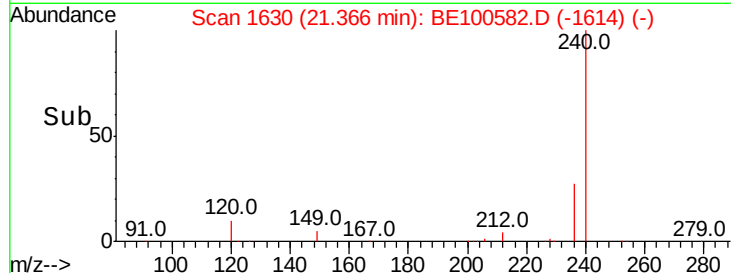
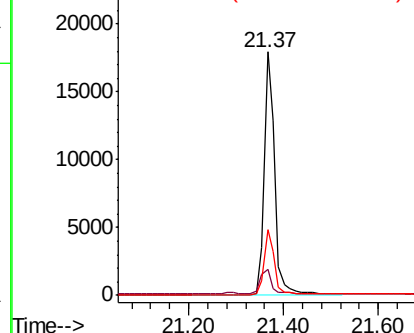
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:240 Resp: 28095
Ion Ratio Lower Upper
240 100
120 10.7 8.7 13.1
236 27.2 21.8 32.8

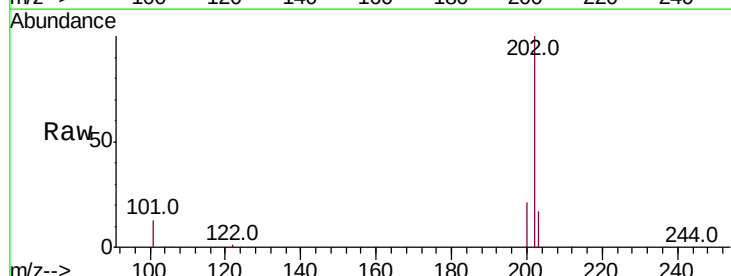


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

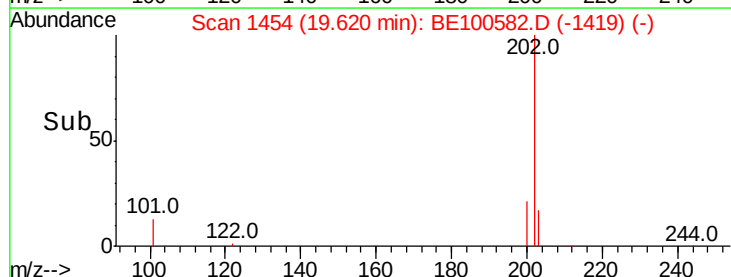
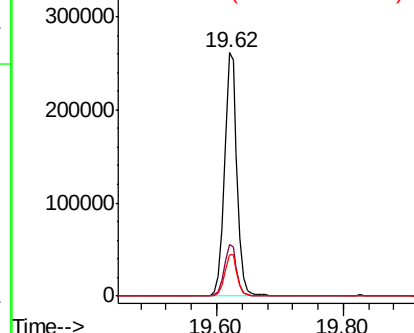


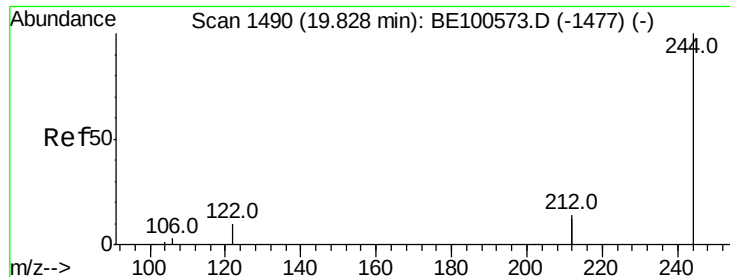
#28
Pyrene
Concen: 4.213 ng
RT: 19.62 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Tgt Ion:202 Resp: 358378
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 17.4 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: 5.971 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

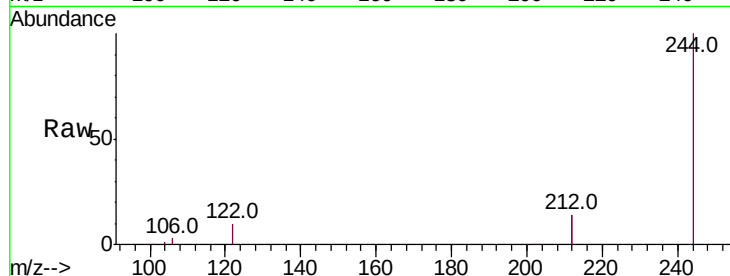
Tot Ion:244 Resp: 414492

Ion Ratio Lower Upper

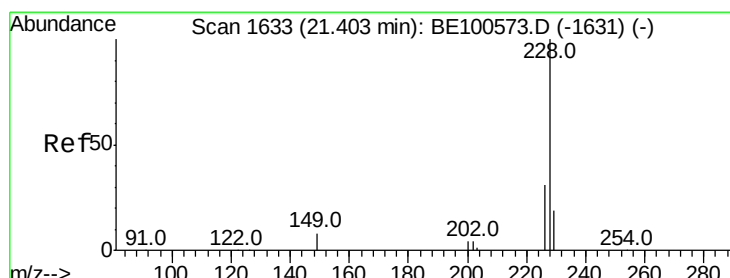
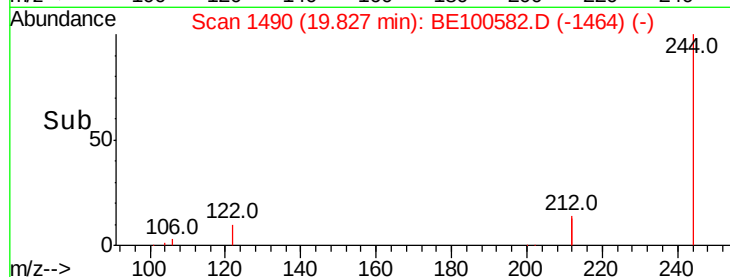
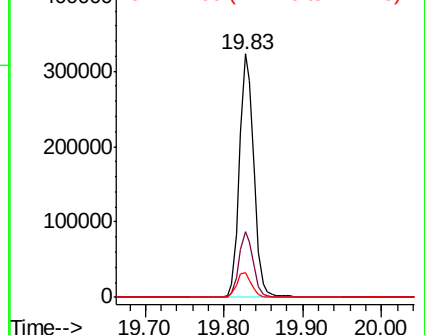
244 100

212 27.0 21.8 32.8

122 10.4 8.2 12.4



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



#31

Chrysene

Concen: 1.622 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

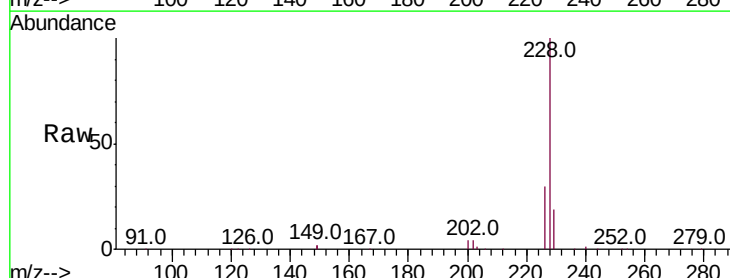
Tgt Ion:228 Resp: 136858

Ion Ratio Lower Upper

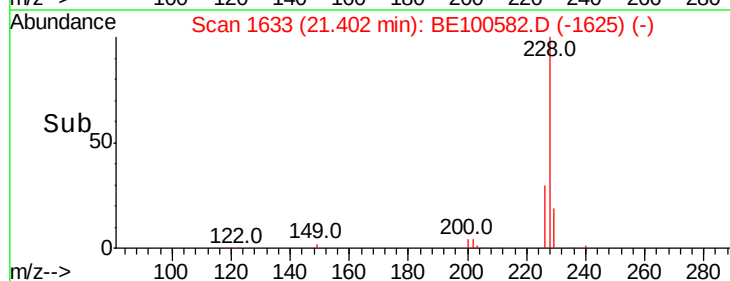
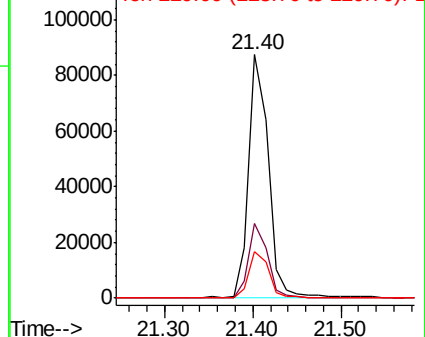
228 100

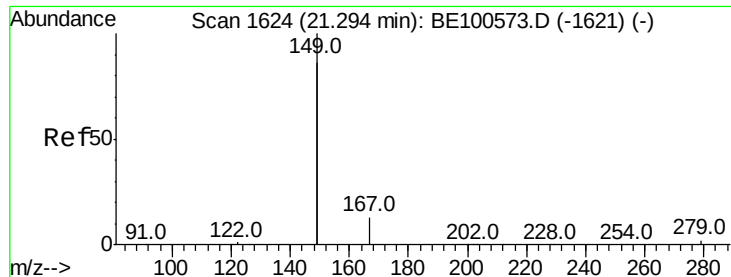
226 30.5 24.4 36.6

229 19.3 15.6 23.4



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

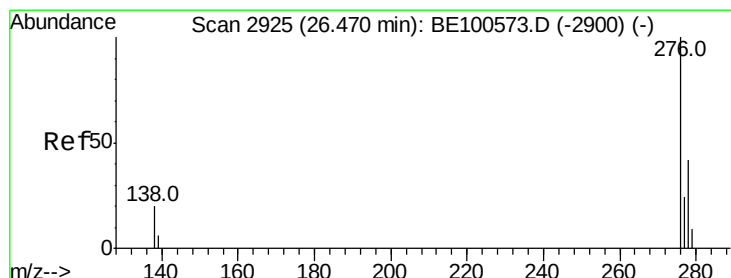
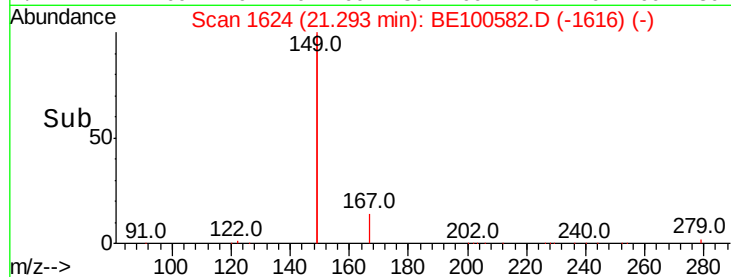
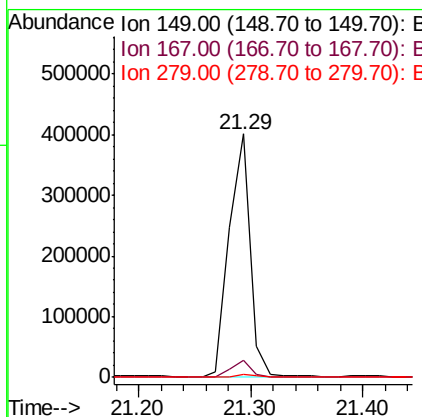
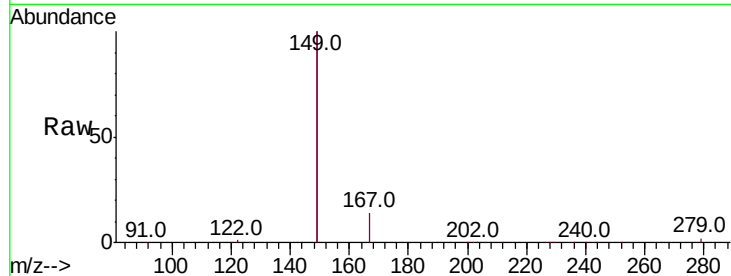




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.330 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE100582.D
 Acq: 30 Sep 2019 14:34

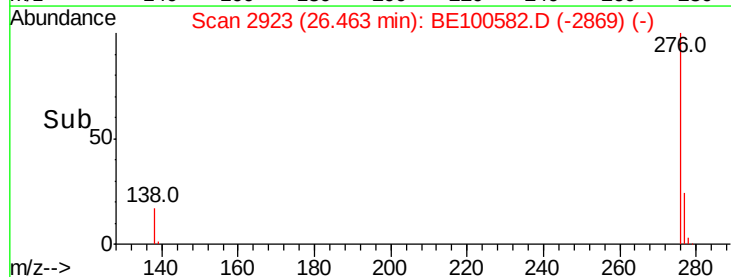
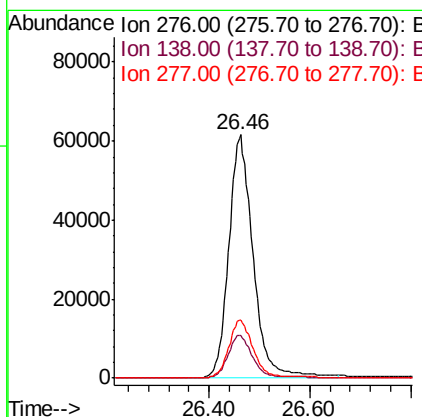
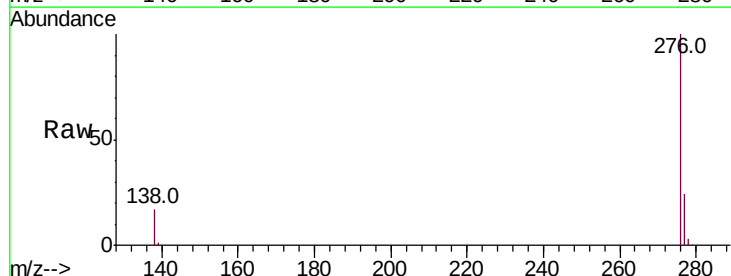
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

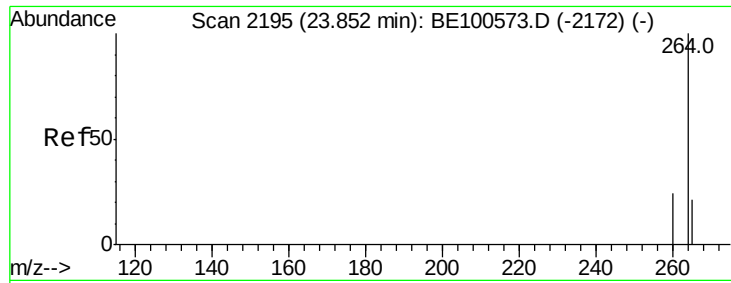
Tot Ion:149 Resp: 511865
 Ion Ratio Lower Upper
 149 100
 167 6.7 5.0 7.6
 279 1.1 0.8 1.2



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.985 ng
 RT: 26.46 min Scan# 2923
 Delta R.T. -0.01 min
 Lab File: BE100582.D
 Acq: 30 Sep 2019 14:34

Tgt Ion:276 Resp: 206469
 Ion Ratio Lower Upper
 276 100
 138 17.7 18.6 27.8#
 277 24.0 19.4 29.2



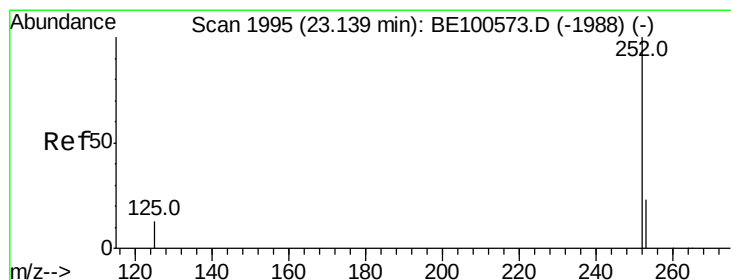
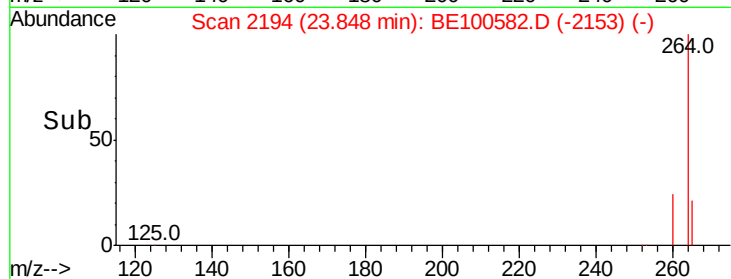
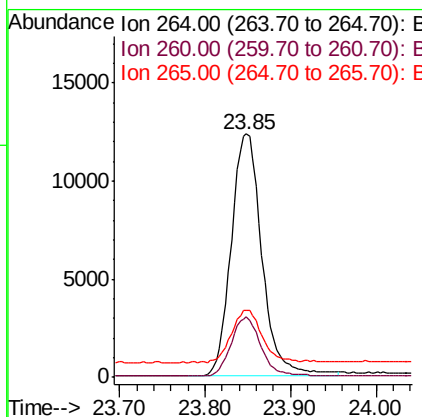
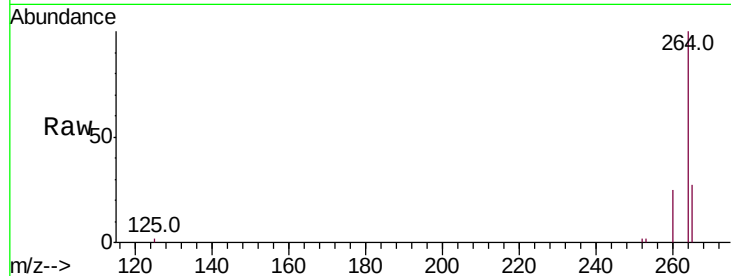


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:264 Resp: 30977

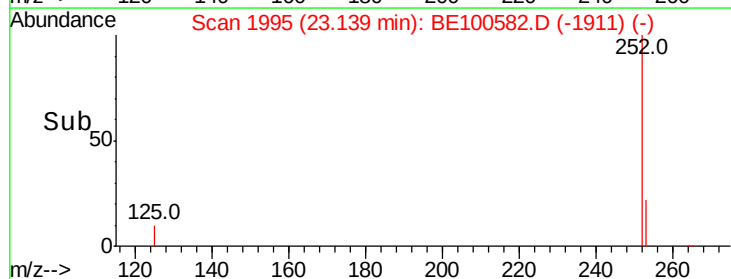
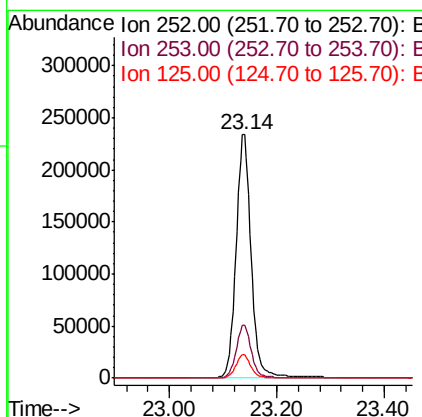
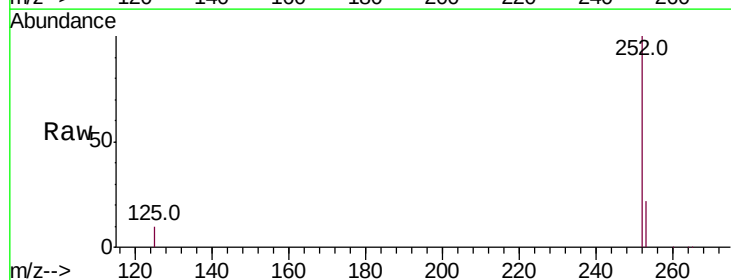
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	27.3	22.2	33.4

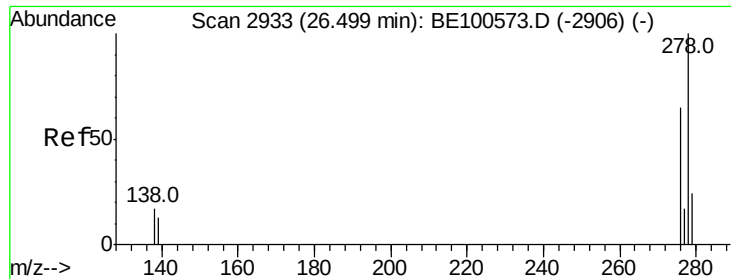


#36
Benzo(k)fluoranthene
Concen: 4.921 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE100582.D
Acq: 30 Sep 2019 14:34

Tgt Ion:252 Resp: 454547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	28.0
125	9.7	11.4	17.2





#38

Dibenzo(a,h)anthracene

Concen: 0.076 ng

RT: 26.46 min Scan# 2923

Delta R.T. -0.04 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

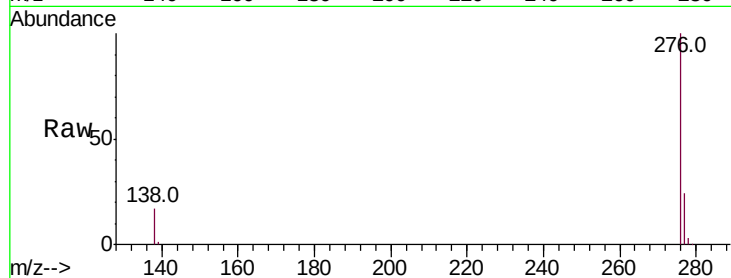
Tot Ion:278 Resp: 6235

Ion Ratio Lower Upper

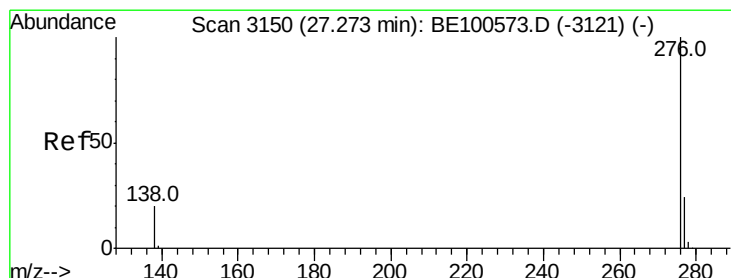
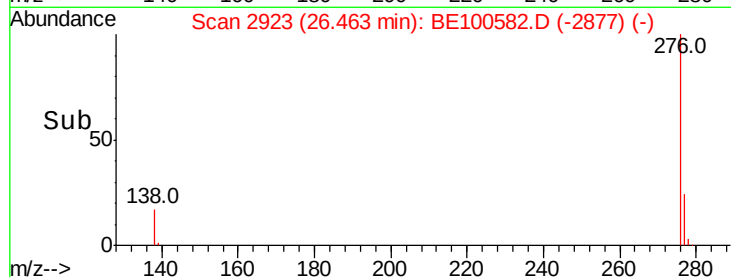
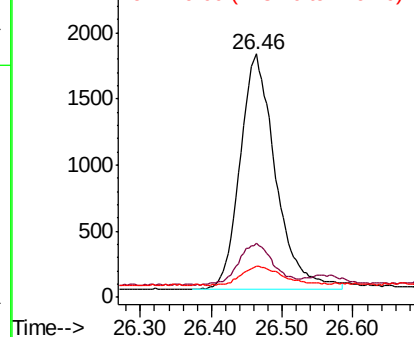
278 100

139 22.4 11.7 17.5#

279 12.9 19.9 29.9#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 3.519 ng

RT: 27.27 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE100582.D

Acq: 30 Sep 2019 14:34

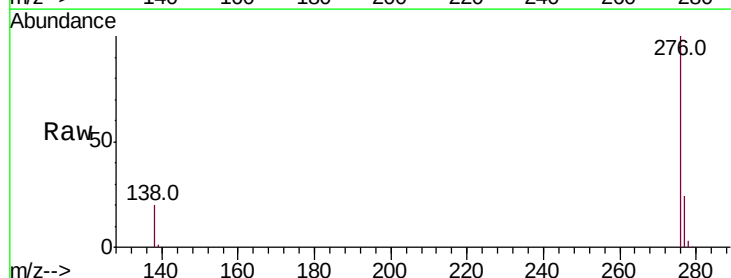
Tgt Ion:276 Resp: 296601

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 19.8 17.0 25.4



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

