

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101119\
 Data File : BE100634.D
 Acq On : 11 Oct 2019 10:15
 Operator : JU
 Sample : K4839-05DL 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Oct 11 14:39:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	6455	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	23886	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	14603	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	33558	0.40	ng	0.00
27) Chrysene-d12	21.37	240	49505	0.40	ng	0.00
34) Perylene-d12	23.85	264	51094	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	97573	4.90	ng	0.00
5) Phenol-d6	7.01	99	153253	5.45	ng	0.00
8) Nitrobenzene-d5	8.99	82	60886	4.11	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	43	0.00	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	23041	5.97	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	213427	4.01	ng	0.00
25) Fluoranthene-d10	19.23	212	555	0.00	ng	0.00
29) Terphenyl-d14	19.83	244	472508	4.37	ng	0.00

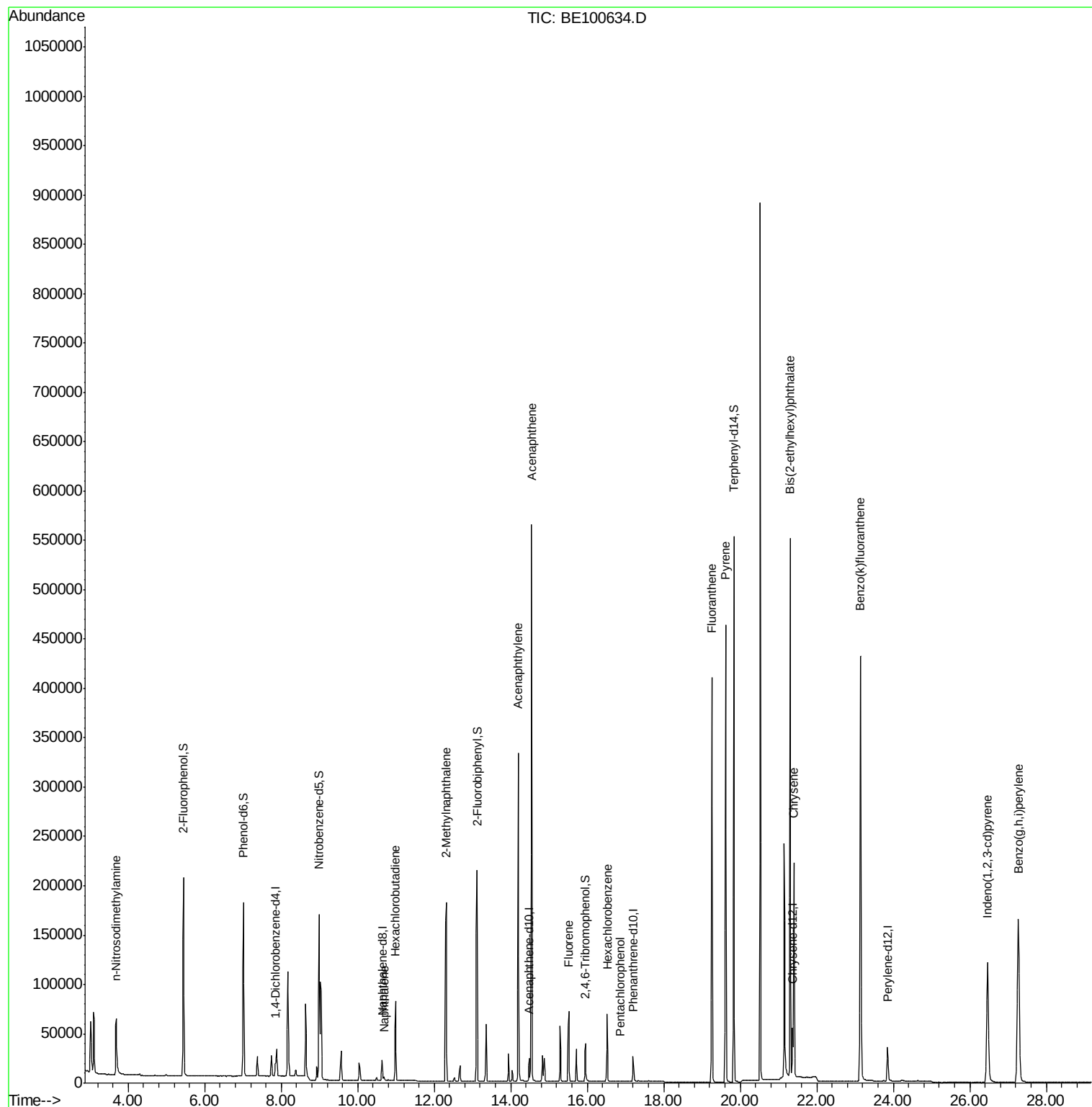
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.68	42	45916	3.769	ng	# 95
9) Naphthalene	10.69	128	5941	0.024	ng	# 95
10) Hexachlorobutadiene	10.99	225	56217	5.151	ng	99
12) 2-Methylnaphthalene	12.31	142	144830	3.383	ng	99
16) Acenaphthylene	14.20	152	350079	5.571	ng	99
17) Acenaphthene	14.54	154	277450	6.832	ng	99
18) Fluorene	15.51	166	2488	0.046	ng	# 92
21) Hexachlorobenzene	16.52	284	52402	3.221	ng	99
22) Pentachlorophenol	16.87	266	150	0.029	ng	# 79
26) Fluoranthene	19.26	202	364213	3.023	ng	100
28) Pyrene	19.62	202	419670	3.034	ng	100
31) Chrysene	21.40	228	204714	1.268	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	577451	1.710	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.46	276	288112	1.453	ng	# 95
36) Benzo(k)fluoranthene	23.14	252	655869	4.280	ng	99
39) Benzo(a,h,i)perylene	27.26	276	420098	2.914	ng	99

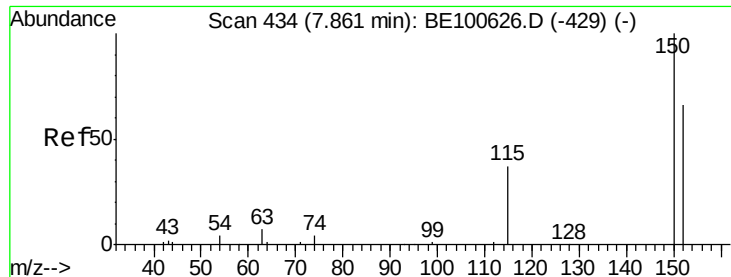
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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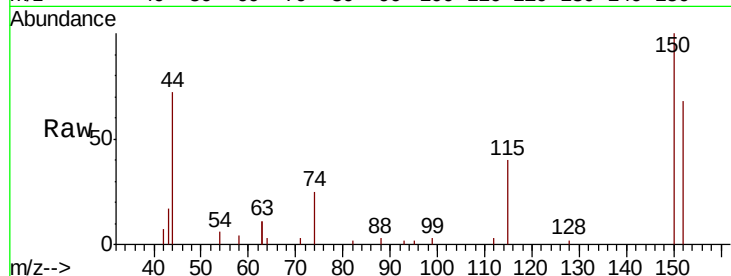


#1

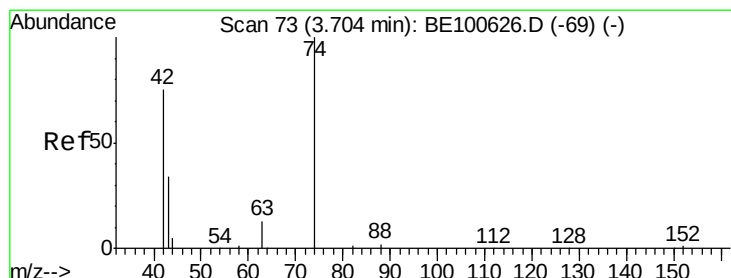
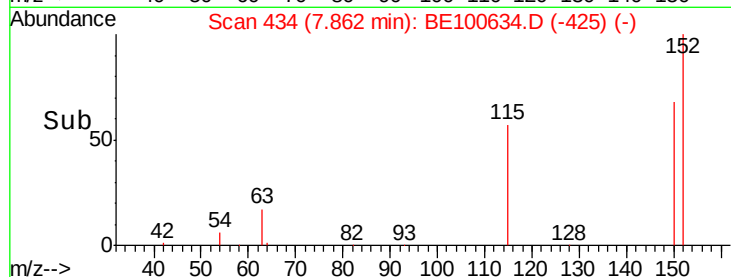
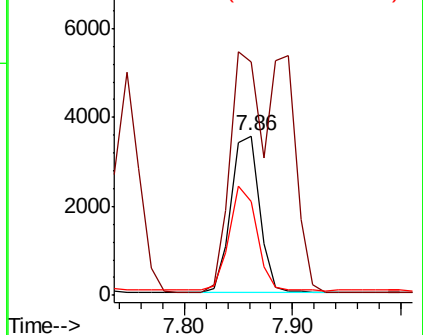
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:152 Resp: 6455
Ion Ratio Lower Upper
152 100
150 146.6 120.7 181.1
115 58.9 48.0 72.0



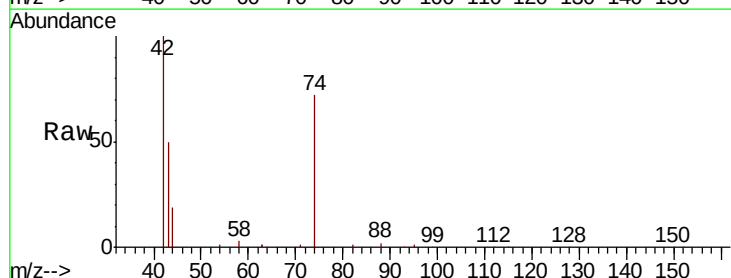
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



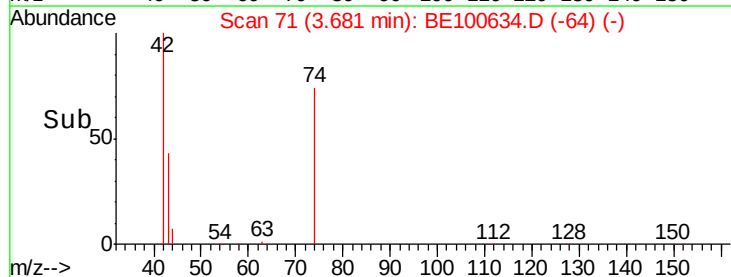
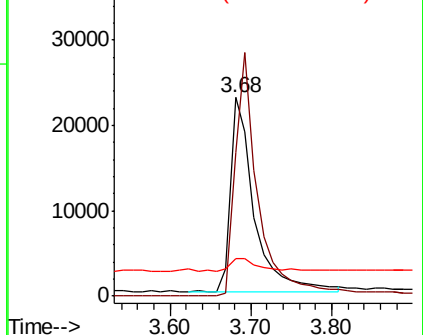
#3

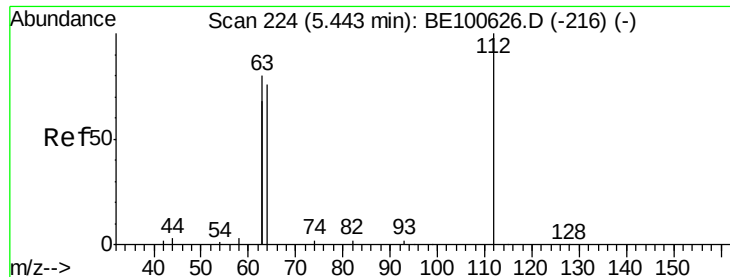
n-Nitrosodimethylamine
Concen: 3.769 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.02 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion: 42 Resp: 45916
Ion Ratio Lower Upper
42 100
74 119.7 91.7 137.5
44 8.1 8.2 12.2#



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: 4.895 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

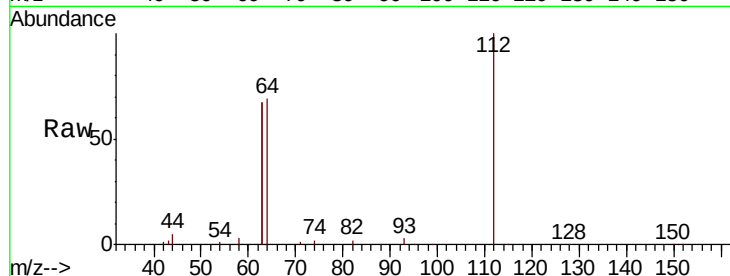
Tot Ion:112 Resp: 97573

Ion Ratio Lower Upper

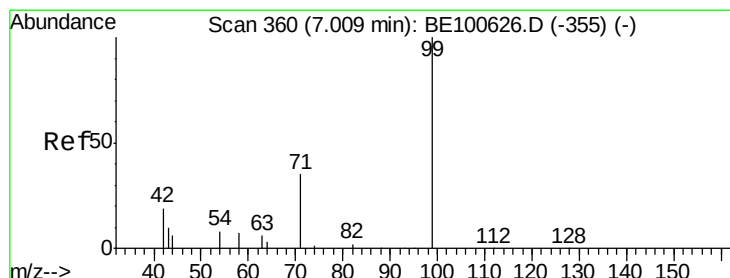
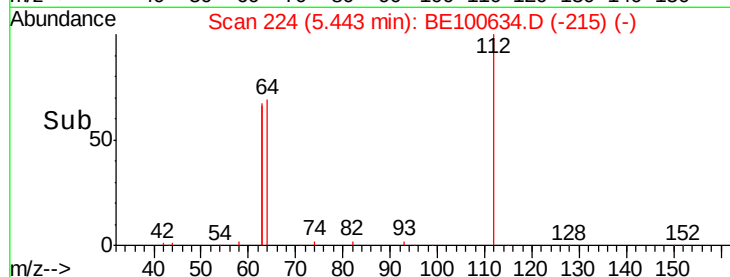
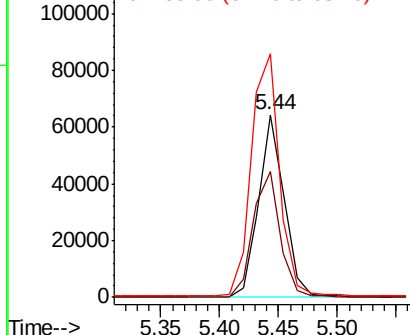
112 100

64 72.5 58.9 88.3

63 146.3 118.3 177.5



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: 5.452 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

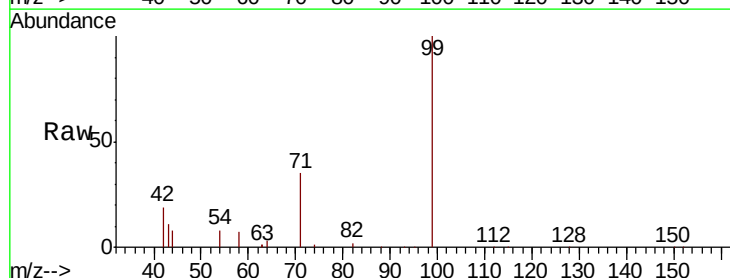
Tgt Ion: 99 Resp: 153253

Ion Ratio Lower Upper

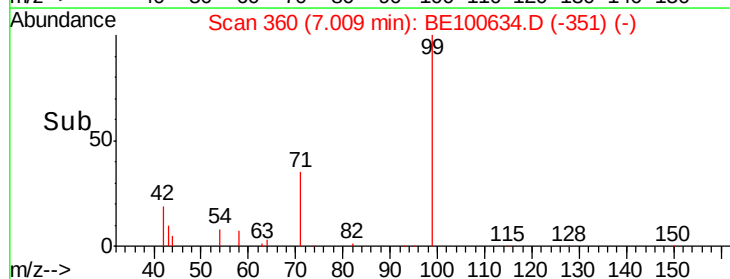
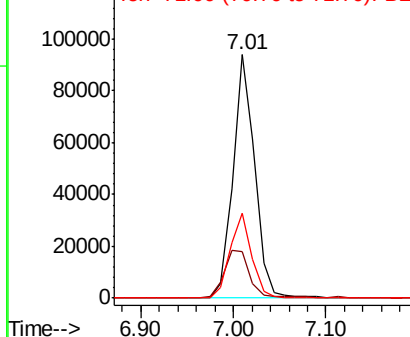
99 100

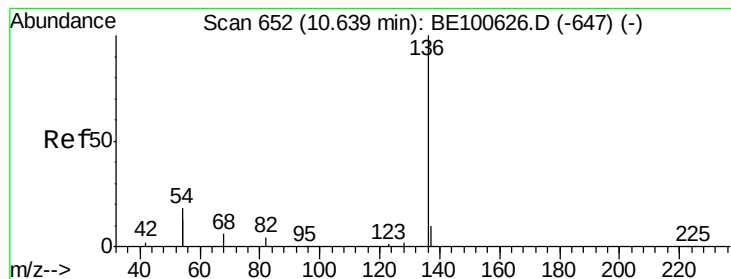
42 21.9 19.4 29.2

71 34.7 26.9 40.3



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: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

Tot Ion:136 Resp: 23886

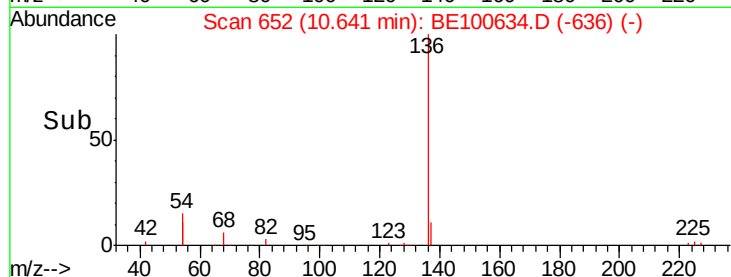
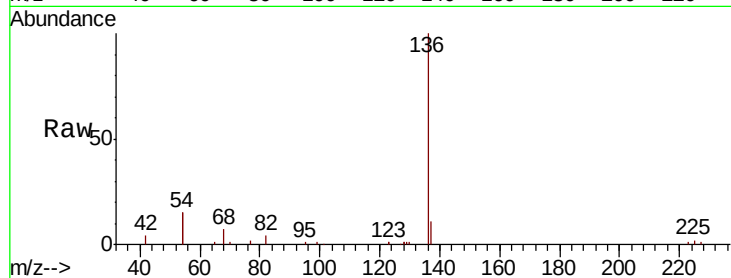
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 29.1 28.7 43.1

68 6.7 5.9 8.9

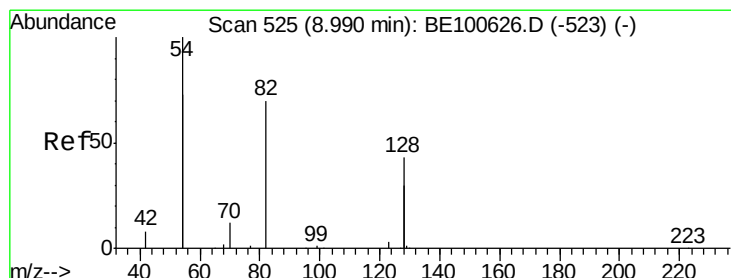
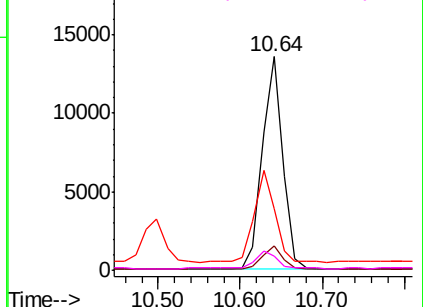


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.112 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

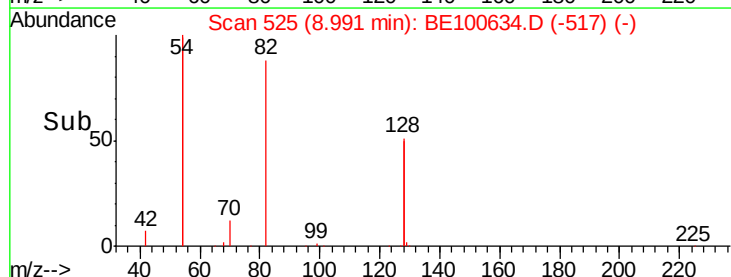
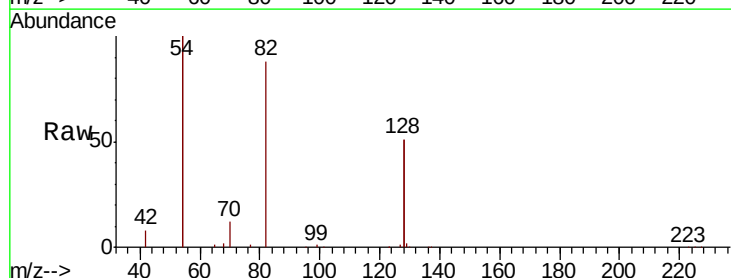
Tgt Ion: 82 Resp: 60886

Ion Ratio Lower Upper

82 100

128 116.0 90.7 136.1

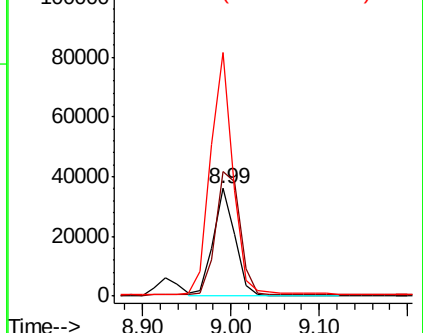
54 226.3 210.9 316.3

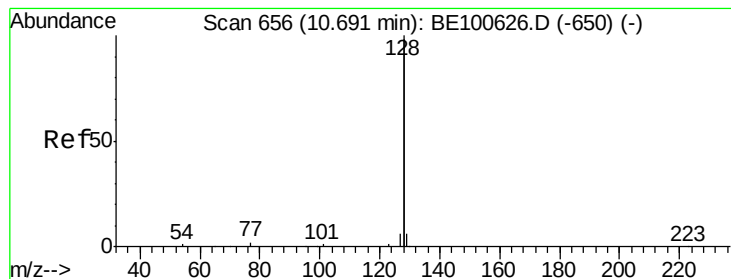


Abundance Ion 82.00 (81.70 to 82.70): BE1

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: BE100634.D

Acq: 11 Oct 2019 10:15

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

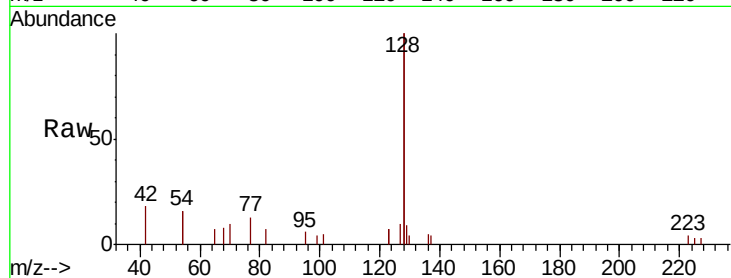
Tot Ion:128 Resp: 5941

Ion Ratio Lower Upper

128 100

129 4.4 2.4 3.6#

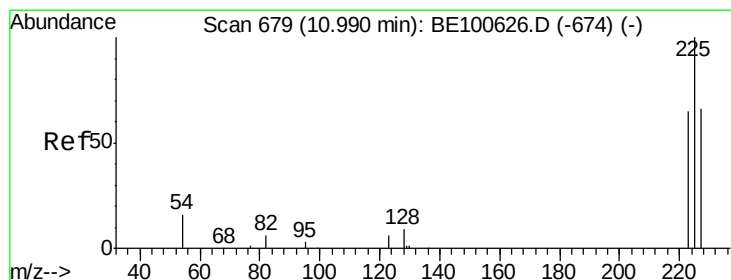
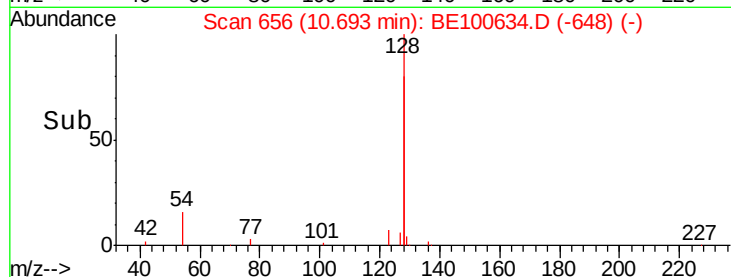
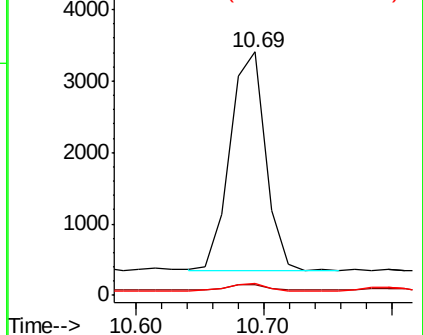
127 5.0 2.6 3.8#



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: 5.151 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

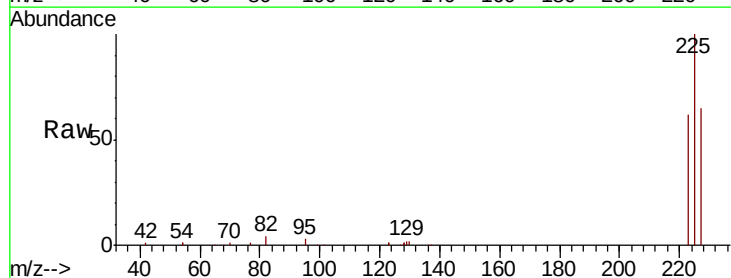
Tgt Ion:225 Resp: 56217

Ion Ratio Lower Upper

225 100

223 63.0 51.2 76.8

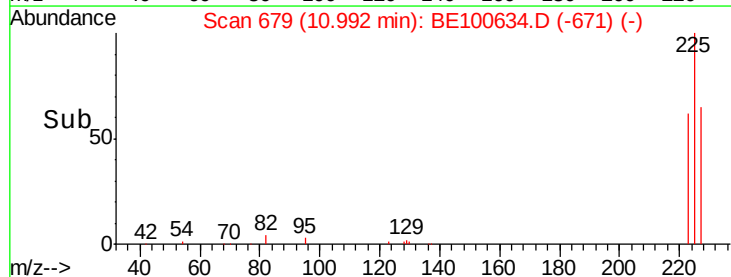
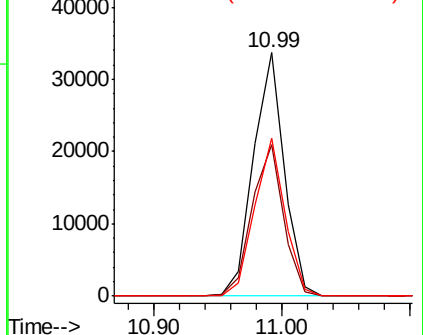
227 63.8 51.8 77.8

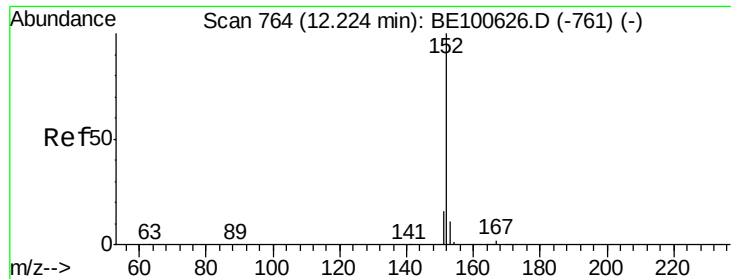


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

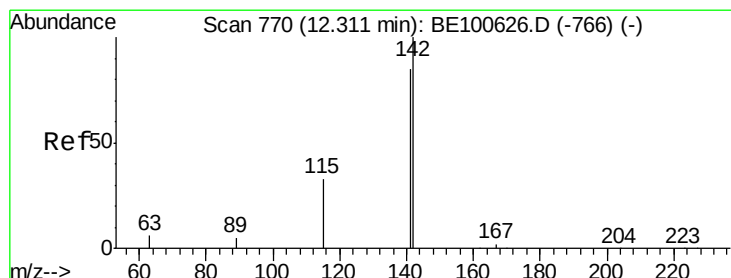
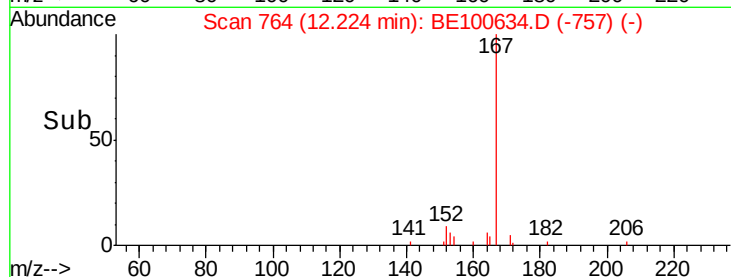
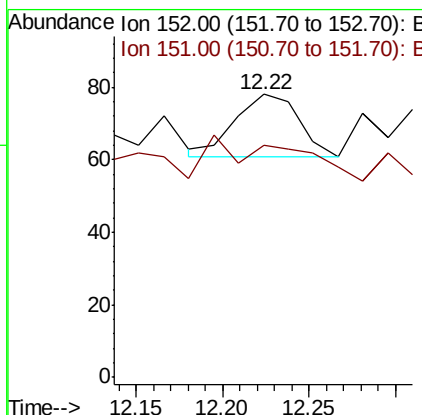
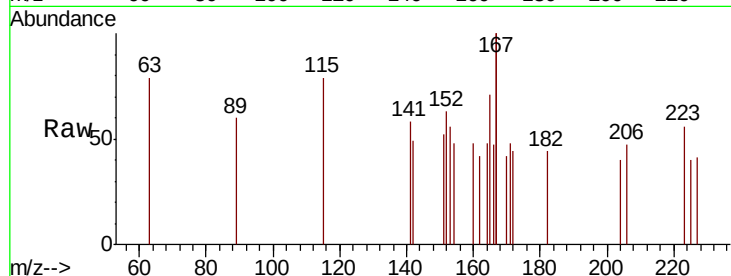




#11
 2-Methylnaphthalene-d10
 Concen: 0.001 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100634.D
 Acq: 11 Oct 2019 10:15

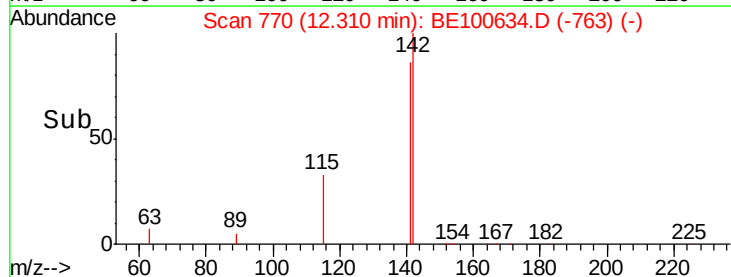
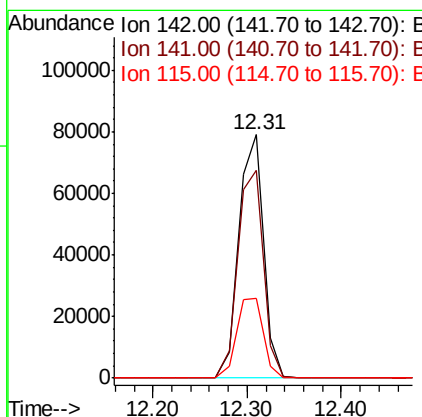
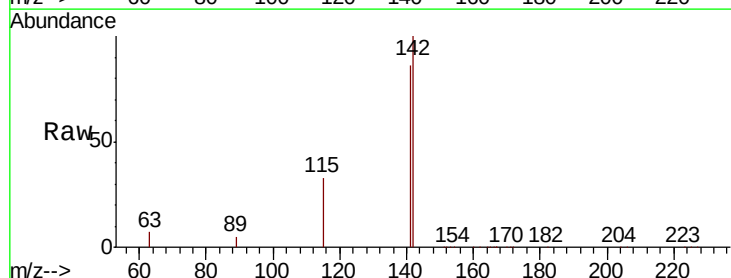
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

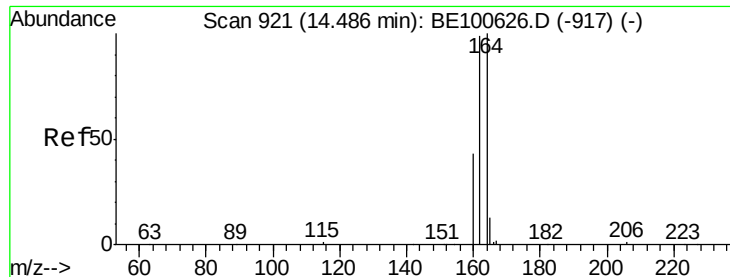
Tot Ion:152 Resp: 43
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.2 22.8#



#12
 2-Methylnaphthalene
 Concen: 3.383 ng
 RT: 12.31 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BE100634.D
 Acq: 11 Oct 2019 10:15

Tgt Ion:142 Resp: 144830
 Ion Ratio Lower Upper
 142 100
 141 85.5 68.3 102.5
 115 32.7 27.5 41.3

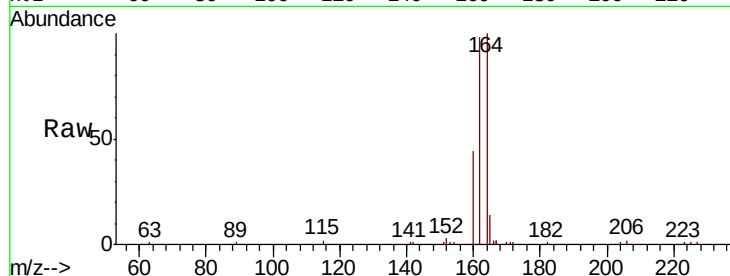




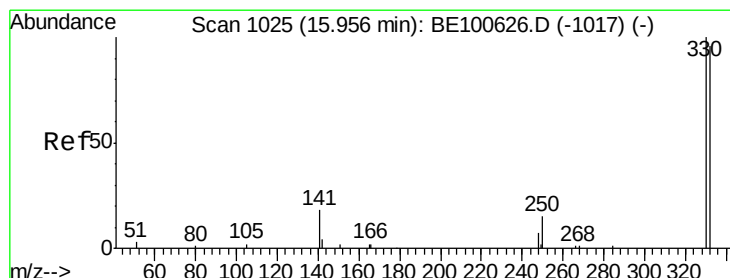
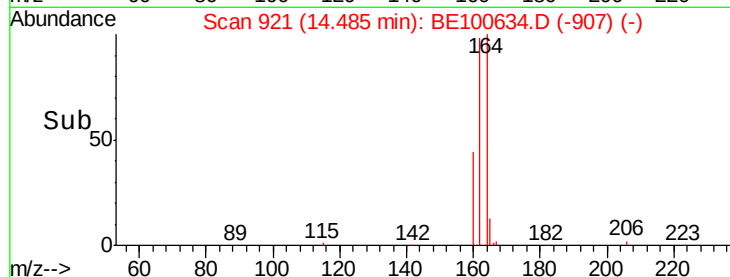
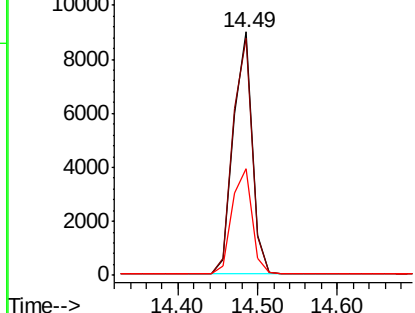
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:164 Resp: 14603
Ion Ratio Lower Upper
164 100
162 97.7 79.1 118.7
160 44.1 34.7 52.1

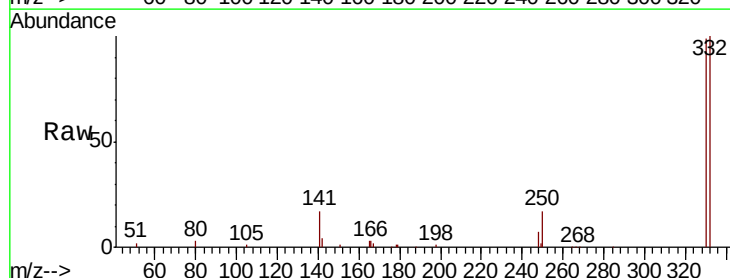


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

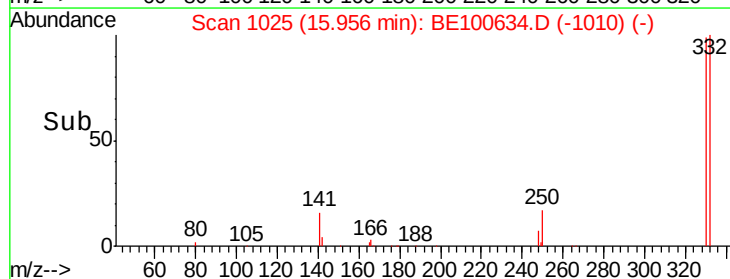
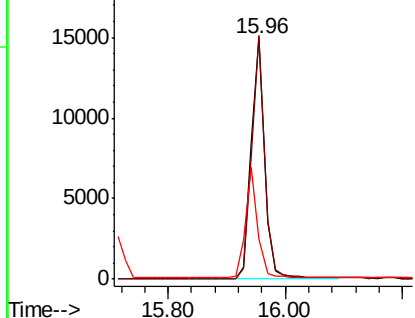


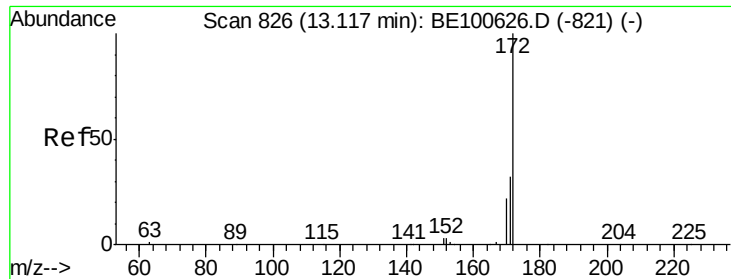
#14
2,4,6-Tribromophenol
Concen: 5.971 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:330 Resp: 23041
Ion Ratio Lower Upper
330 100
332 97.8 75.2 112.8
141 43.2 37.5 56.3



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

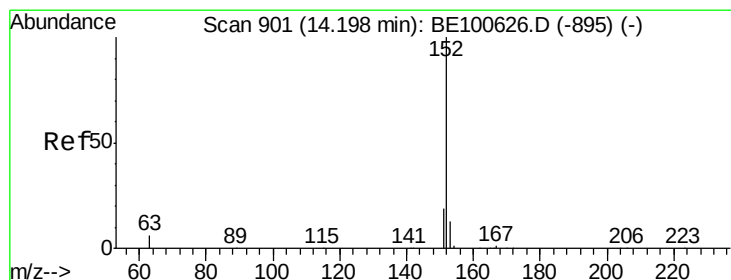
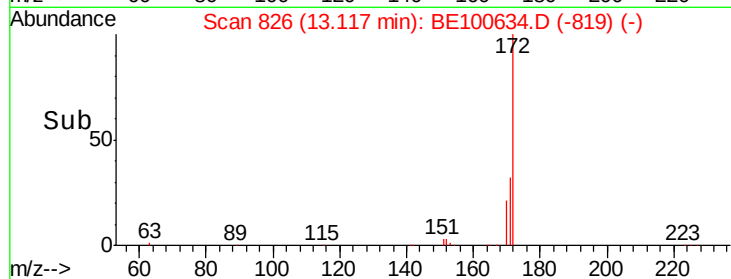
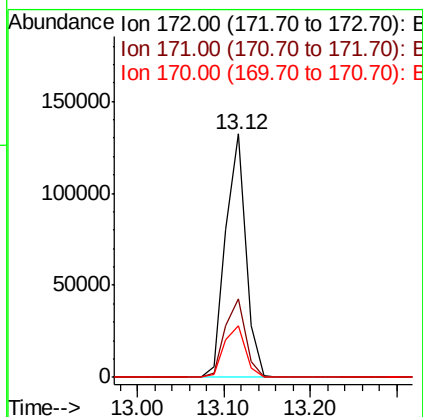
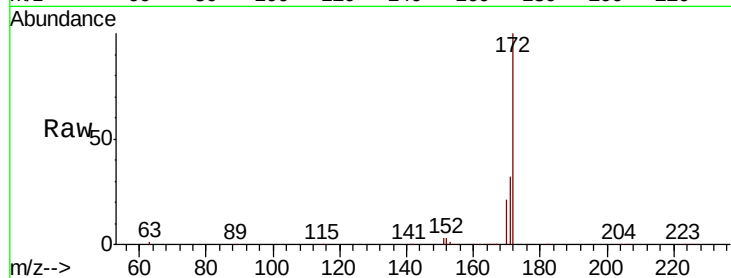




#15
2-Fluorobiphenyl
Concen: 4.011 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

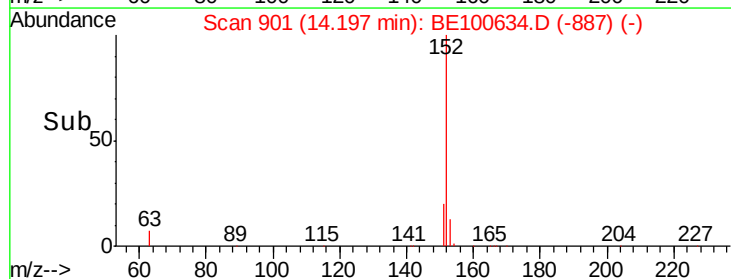
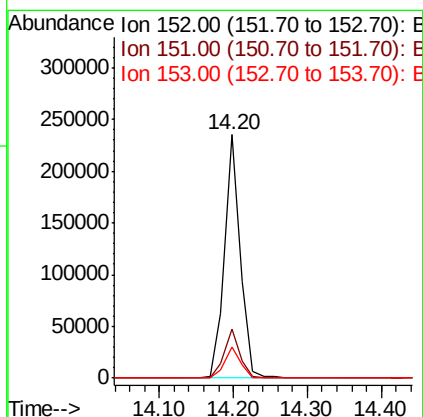
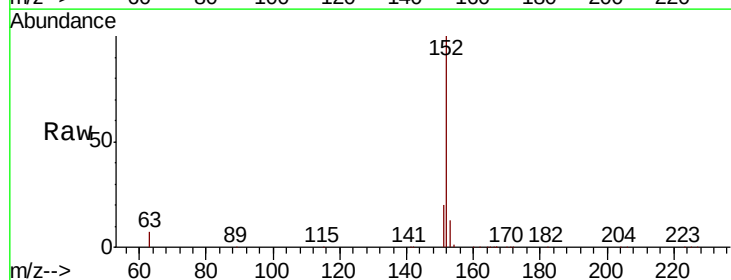
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

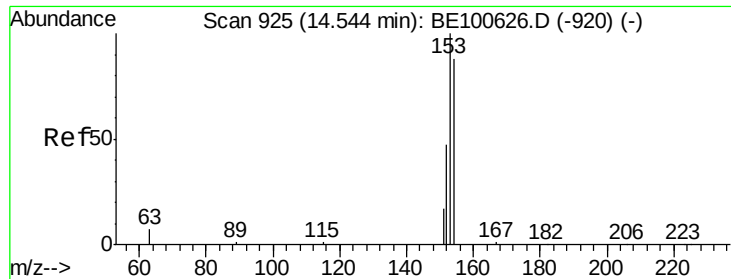
Tot Ion:172 Resp: 213427
Ion Ratio Lower Upper
172 100
171 32.0 26.2 39.4
170 21.0 17.5 26.3



#16
Acenaphthylene
Concen: 5.571 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:152 Resp: 350079
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 13.0 10.5 15.7

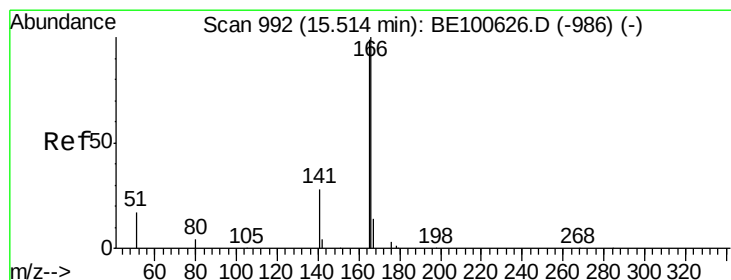
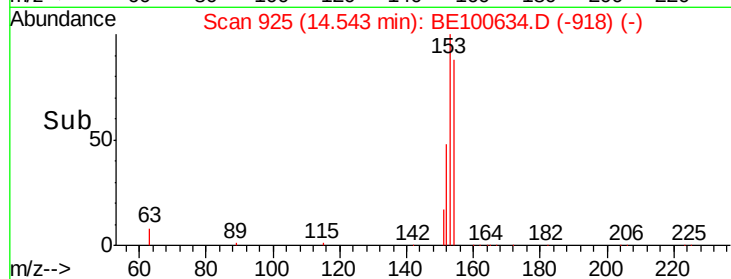
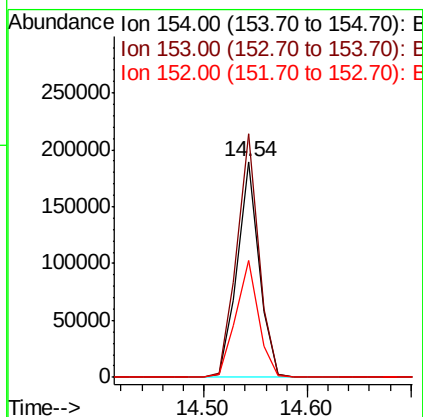
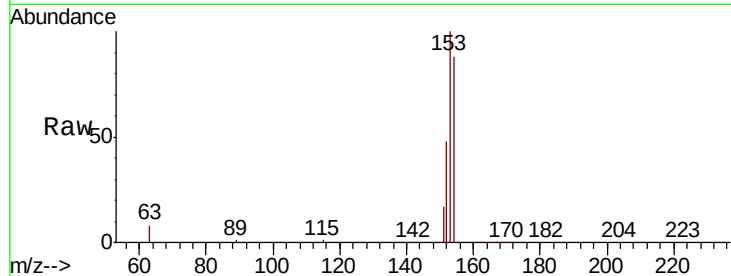




#17
Acenaphthene
Concen: 6.832 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

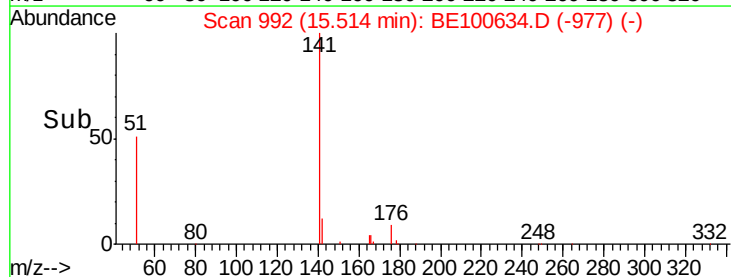
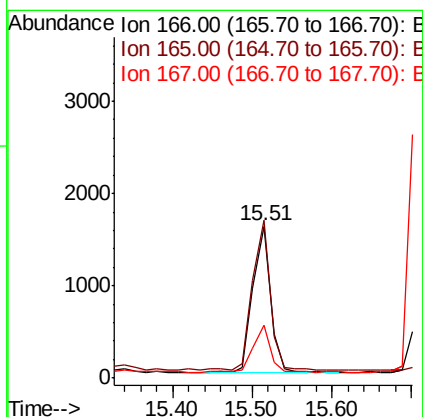
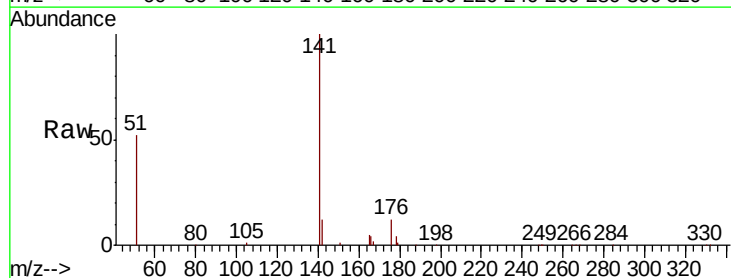
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

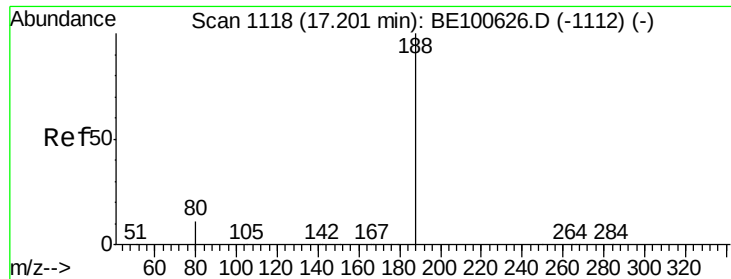
Tot Ion:154 Resp: 277450
Ion Ratio Lower Upper
154 100
153 113.7 91.4 137.2
152 55.8 44.0 66.0



#18
Fluorene
Concen: 0.046 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:166 Resp: 2488
Ion Ratio Lower Upper
166 100
165 101.8 78.9 118.3
167 29.5 10.9 16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

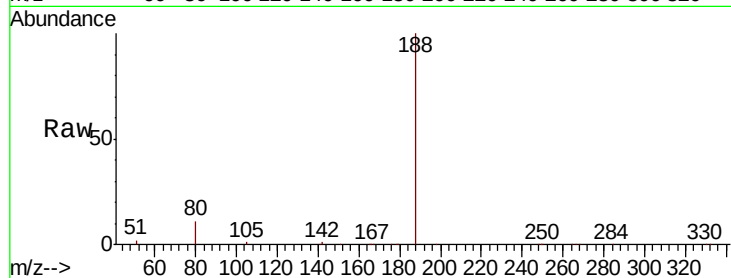
Tot Ion:188 Resp: 33558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

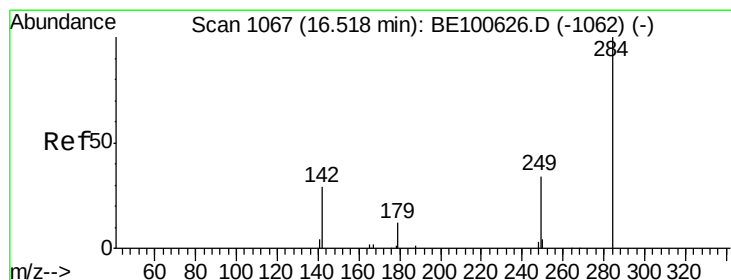
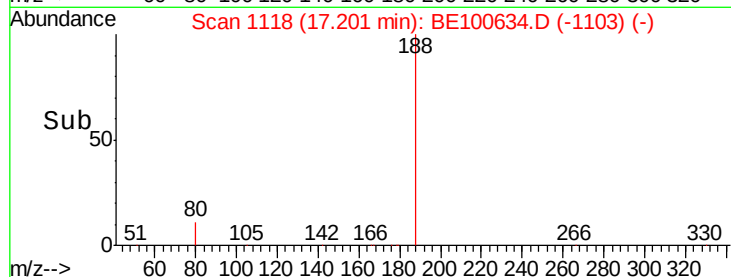
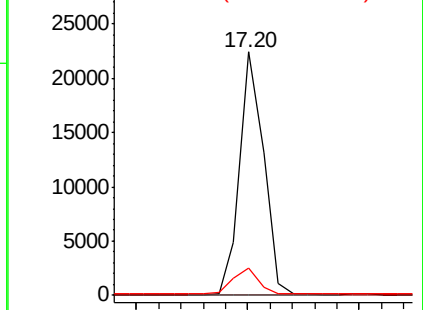
80 11.4 9.4 14.2



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



#21

Hexachlorobenzene

Concen: 3.221 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

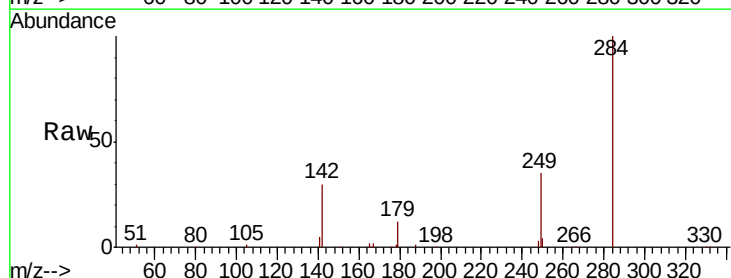
Tgt Ion:284 Resp: 52402

Ion Ratio Lower Upper

284 100

142 37.0 29.8 44.8

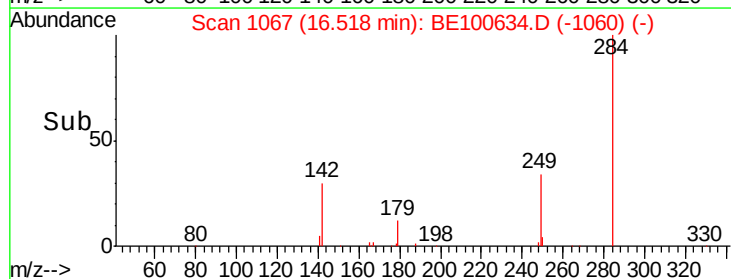
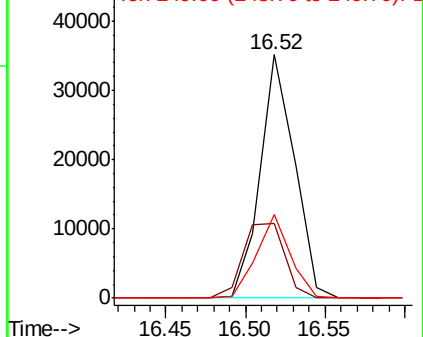
249 33.5 27.3 40.9

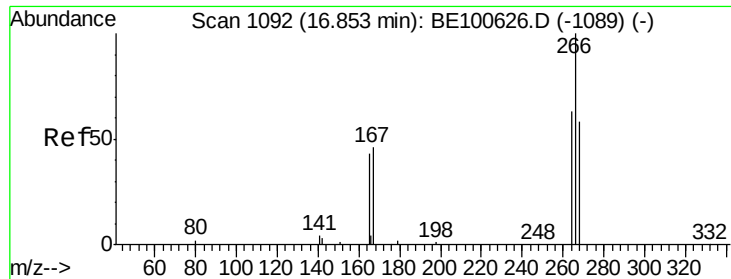


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

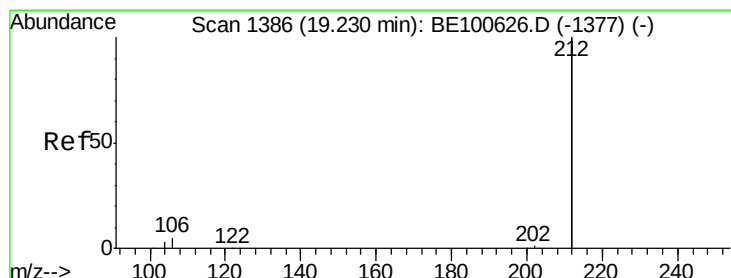
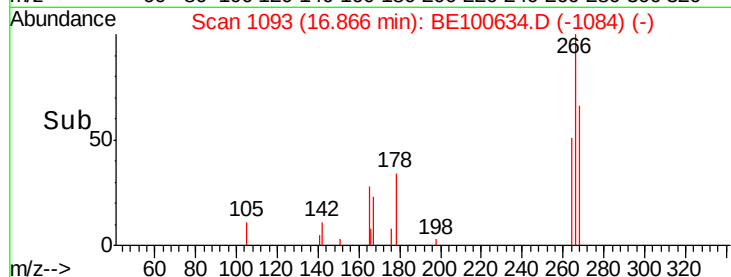
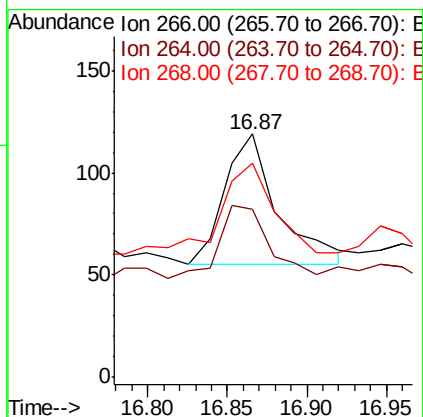
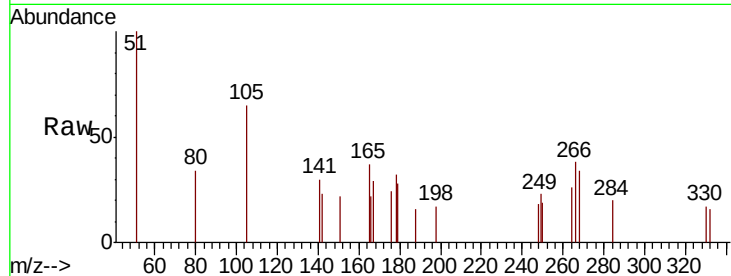




#22
 Pentachlorophenol
 Concen: 0.029 ng
 RT: 16.87 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: BE100634.D
 Acq: 11 Oct 2019 10:15

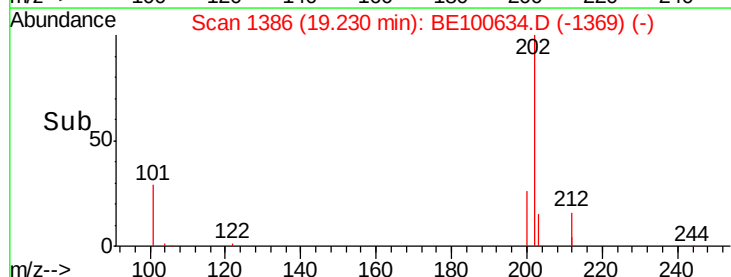
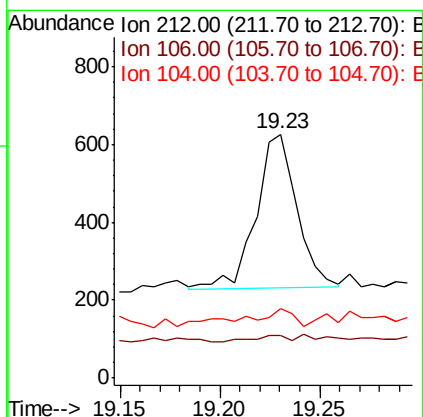
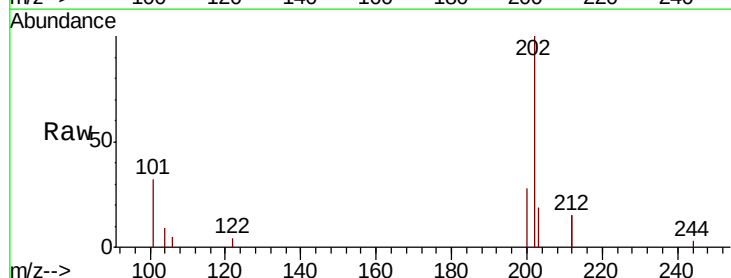
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

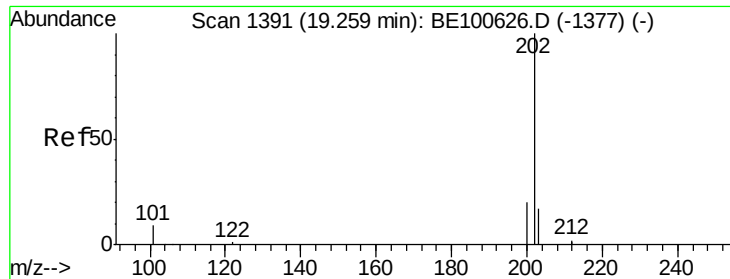
Tot Ion: 266 Resp: 150
 Ion Ratio Lower Upper
 266 100
 264 68.9 50.7 76.1
 268 88.2 48.5 72.7#



#25
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: BE100634.D
 Acq: 11 Oct 2019 10:15

Tgt Ion: 212 Resp: 555
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.2 3.4#
 104 14.1 1.3 1.9#

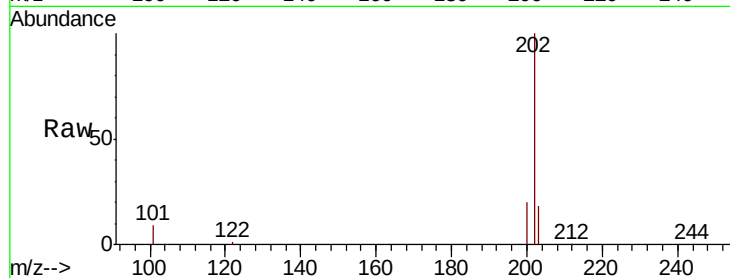




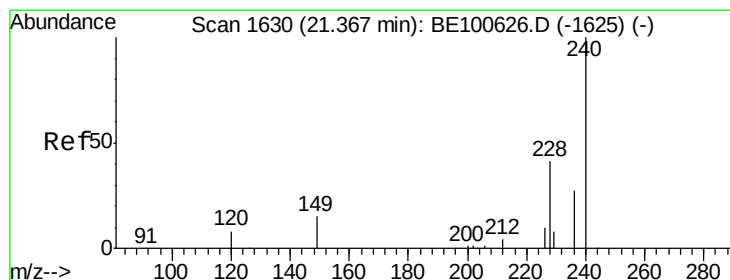
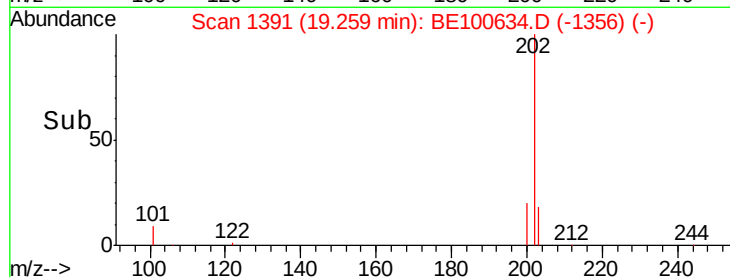
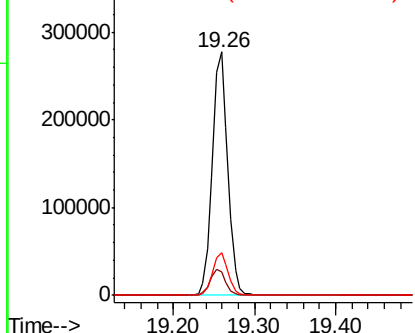
#26
Fluoranthene
Concen: 3.023 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:202 Resp: 364213
Ion Ratio Lower Upper
202 100
101 10.6 8.4 12.6
203 17.3 13.8 20.6

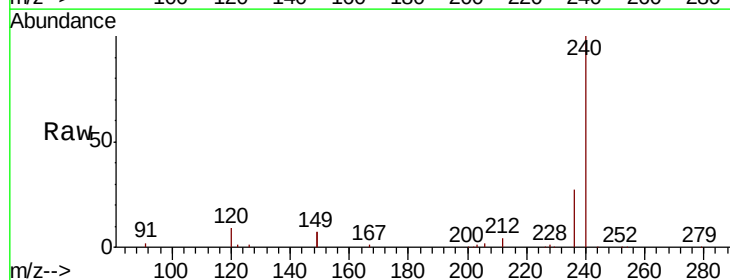


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

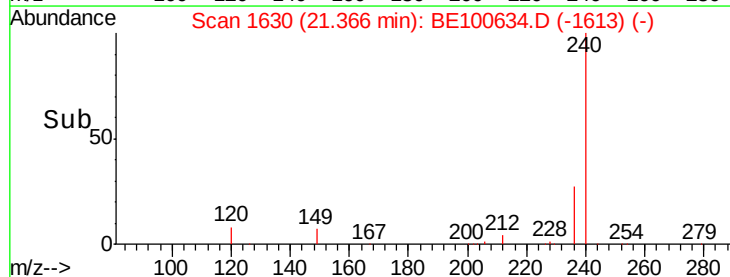
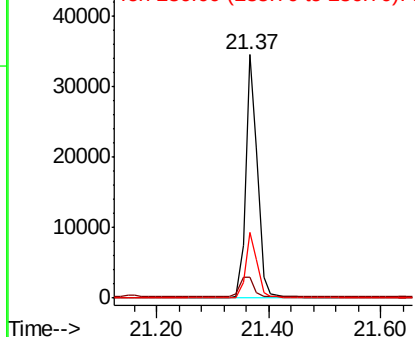


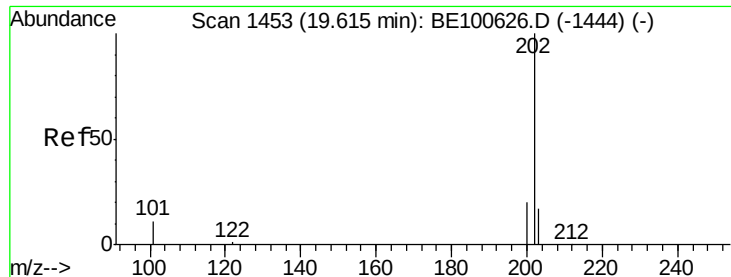
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:240 Resp: 49505
Ion Ratio Lower Upper
240 100
120 8.7 7.4 11.0
236 27.1 21.7 32.5



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

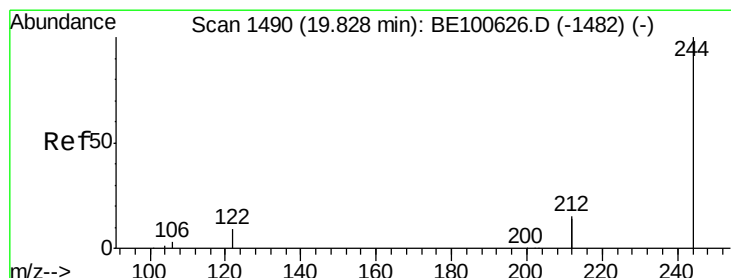
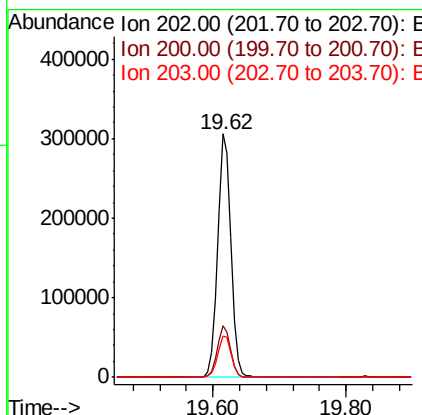
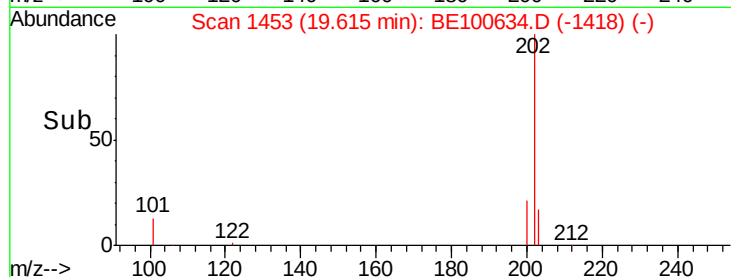
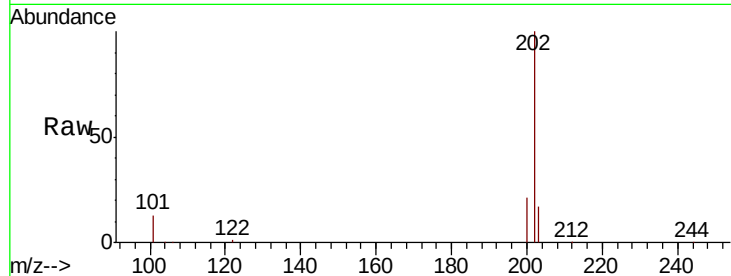




#28
Pvrene
Concen: 3.034 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

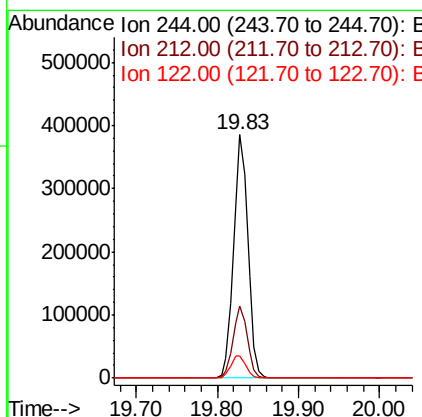
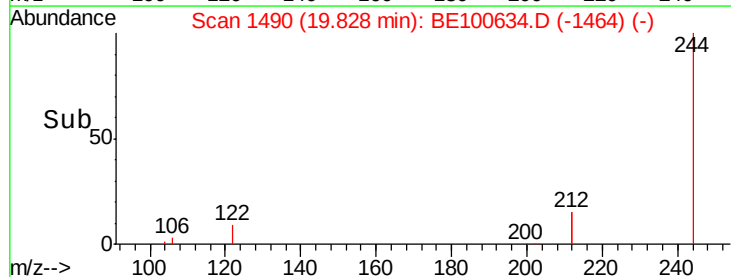
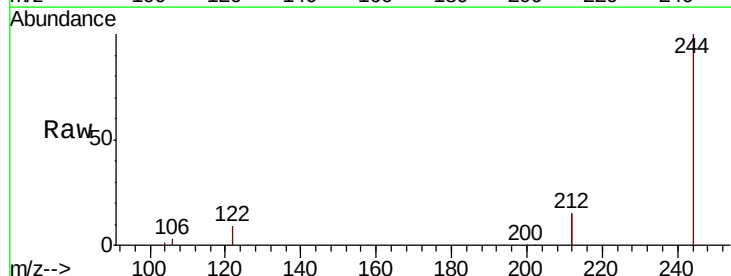
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

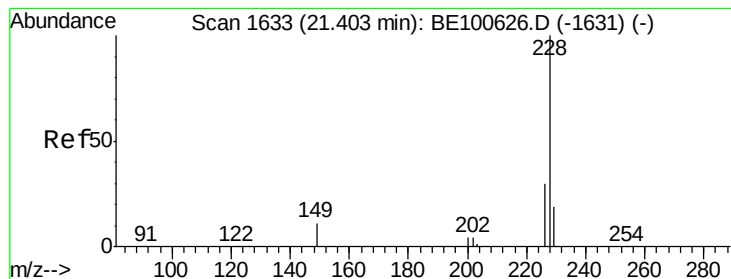
Tot Ion:202 Resp: 419670
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 13.9 20.9



#29
Terphenyl-d14
Concen: 4.366 ng
RT: 19.83 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:244 Resp: 472508
Ion Ratio Lower Upper
244 100
212 29.5 23.9 35.9
122 9.3 7.7 11.5





#31

Chrysene

Concen: 1.268 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

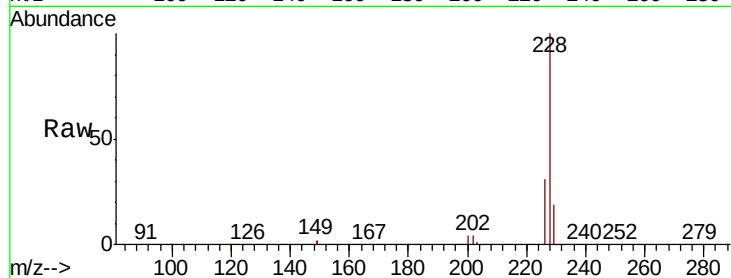
Tot Ion:228 Resp: 204714

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

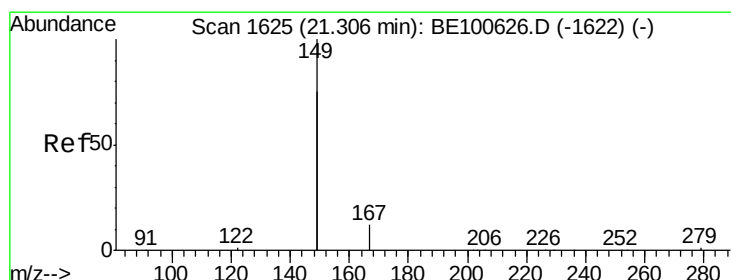
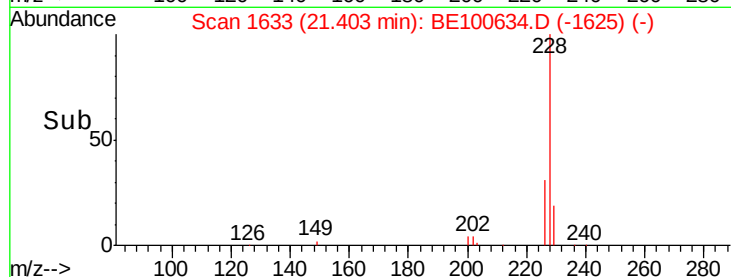
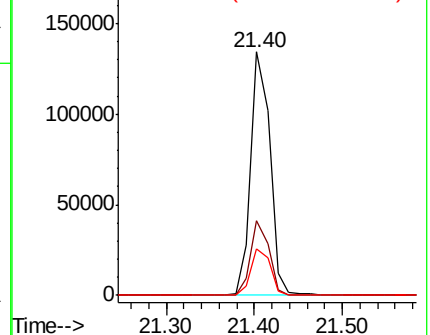
229 19.2 15.6 23.4



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: 1.710 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100634.D

Acq: 11 Oct 2019 10:15

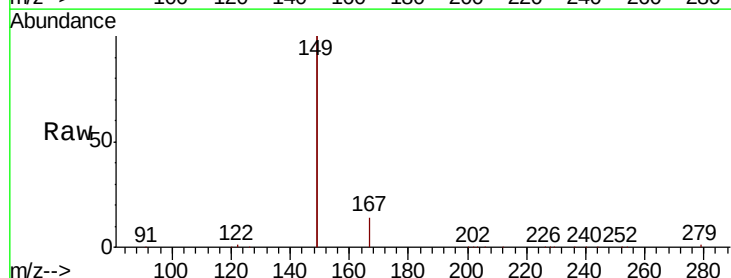
Tgt Ion:149 Resp: 577451

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.2

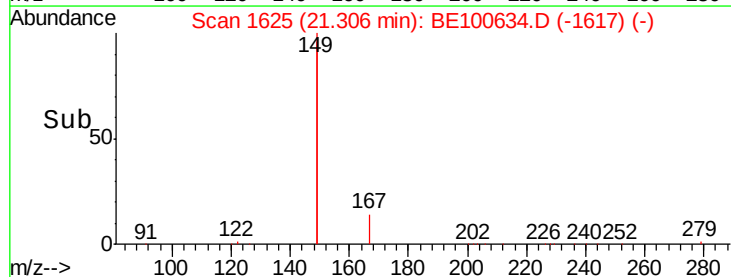
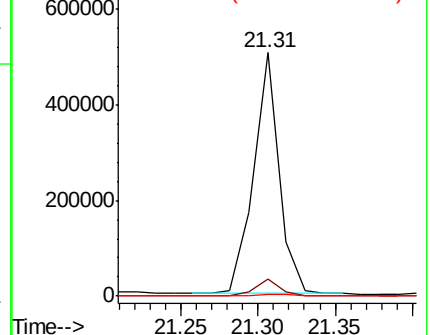
279 1.0 1.5 2.3#

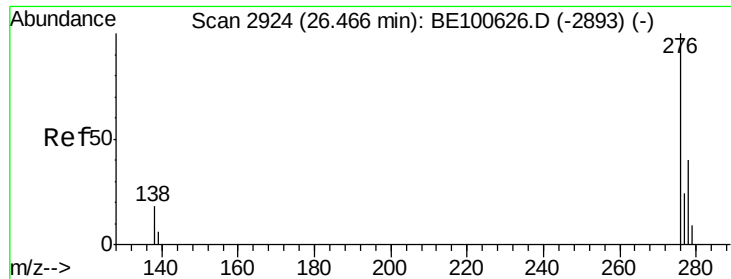


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

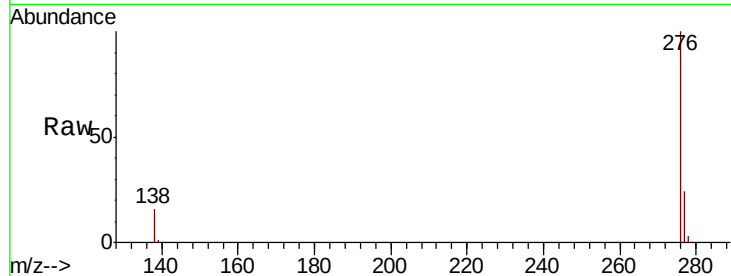




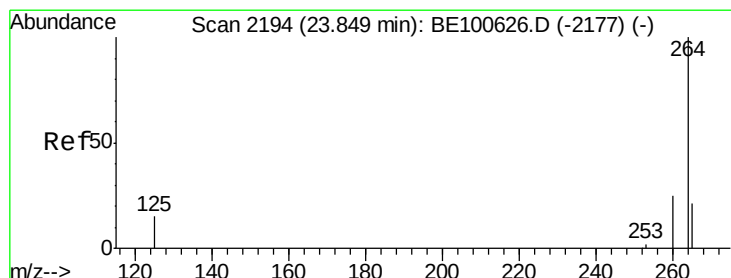
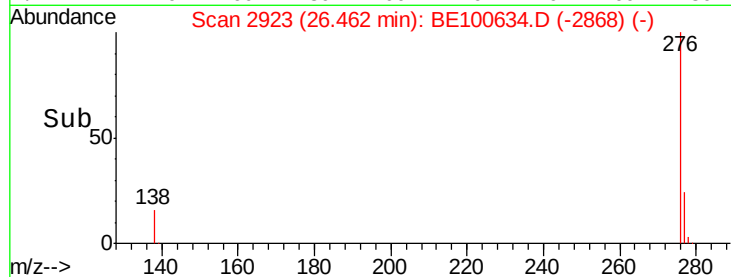
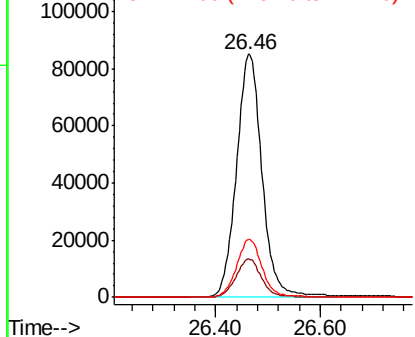
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.453 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:276 Resp: 288112
Ion Ratio Lower Upper
276 100
138 15.5 16.0 24.0#
277 23.8 19.7 29.5

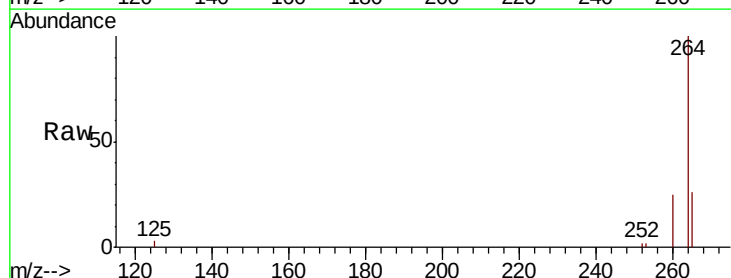


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

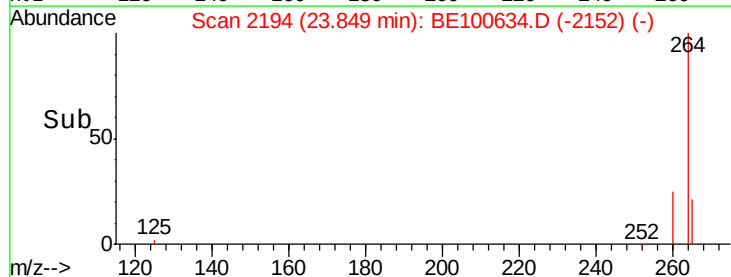
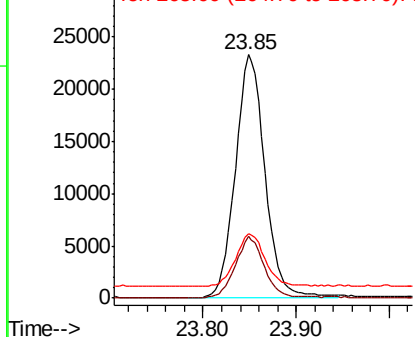


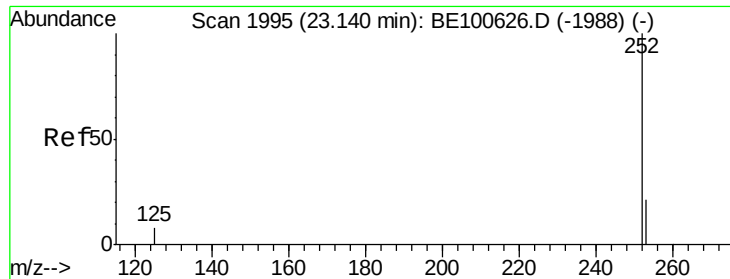
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:264 Resp: 51094
Ion Ratio Lower Upper
264 100
260 25.2 19.9 29.9
265 26.3 20.0 30.0



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

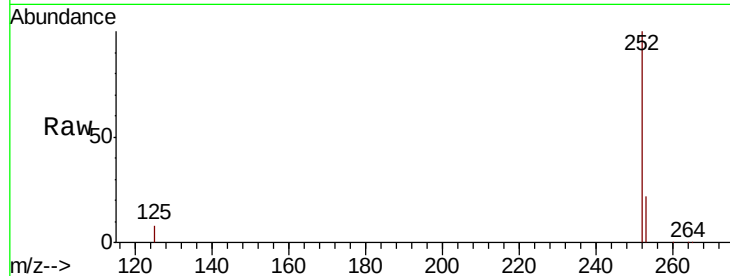




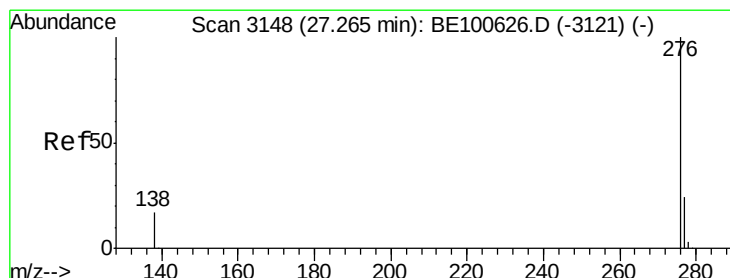
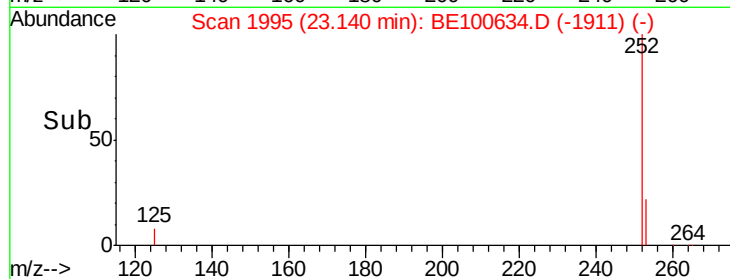
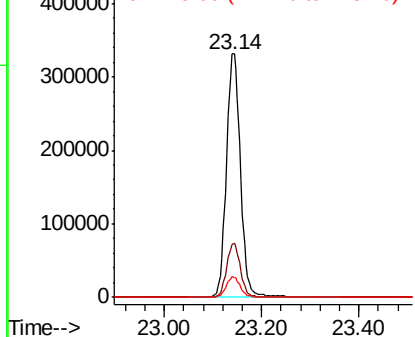
#36
Benzo(k)fluoranthene
Concen: 4.280 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion:252 Resp: 655869
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 8.4 7.6 11.4

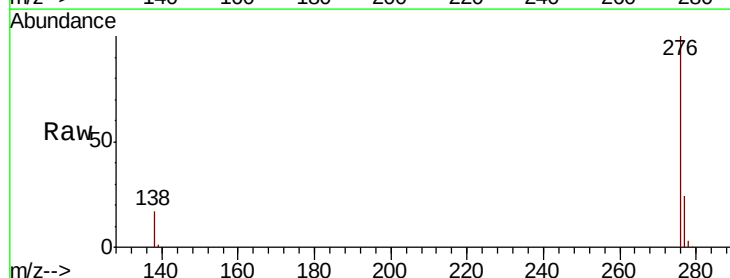


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#39
Benzo(g,h,i)perylene
Concen: 2.914 ng
RT: 27.26 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BE100634.D
Acq: 11 Oct 2019 10:15

Tgt Ion:276 Resp: 420098
Ion Ratio Lower Upper
276 100
277 23.8 19.3 28.9
138 17.5 14.5 21.7



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

