

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE093019\
 Data File : BE100585.D
 Acq On : 30 Sep 2019 17:21
 Operator : JU
 Sample : K4839-05DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Oct 01 05:14:29 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	7.85	152	3219	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	12999	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8076	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	18339	0.40	ng	0.00
27) Chrysene-d12	21.37	240	21099	0.40	ng	0.00
34) Perylene-d12	23.85	264	23851	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	62274	6.56	ng	0.00
5) Phenol-d6	7.01	99	93029	7.22	ng	0.00
8) Nitrobenzene-d5	9.00	82	50724	5.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	6	0.00	ng	0.07
14) 2,4,6-Tribromophenol	15.96	330	18162	7.84	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	152562	5.46	ng	0.00
25) Fluoranthene-d10	19.23	212	48	0.00	ng	0.00
29) Terphenyl-d14	19.83	244	349156	6.70	ng	0.00

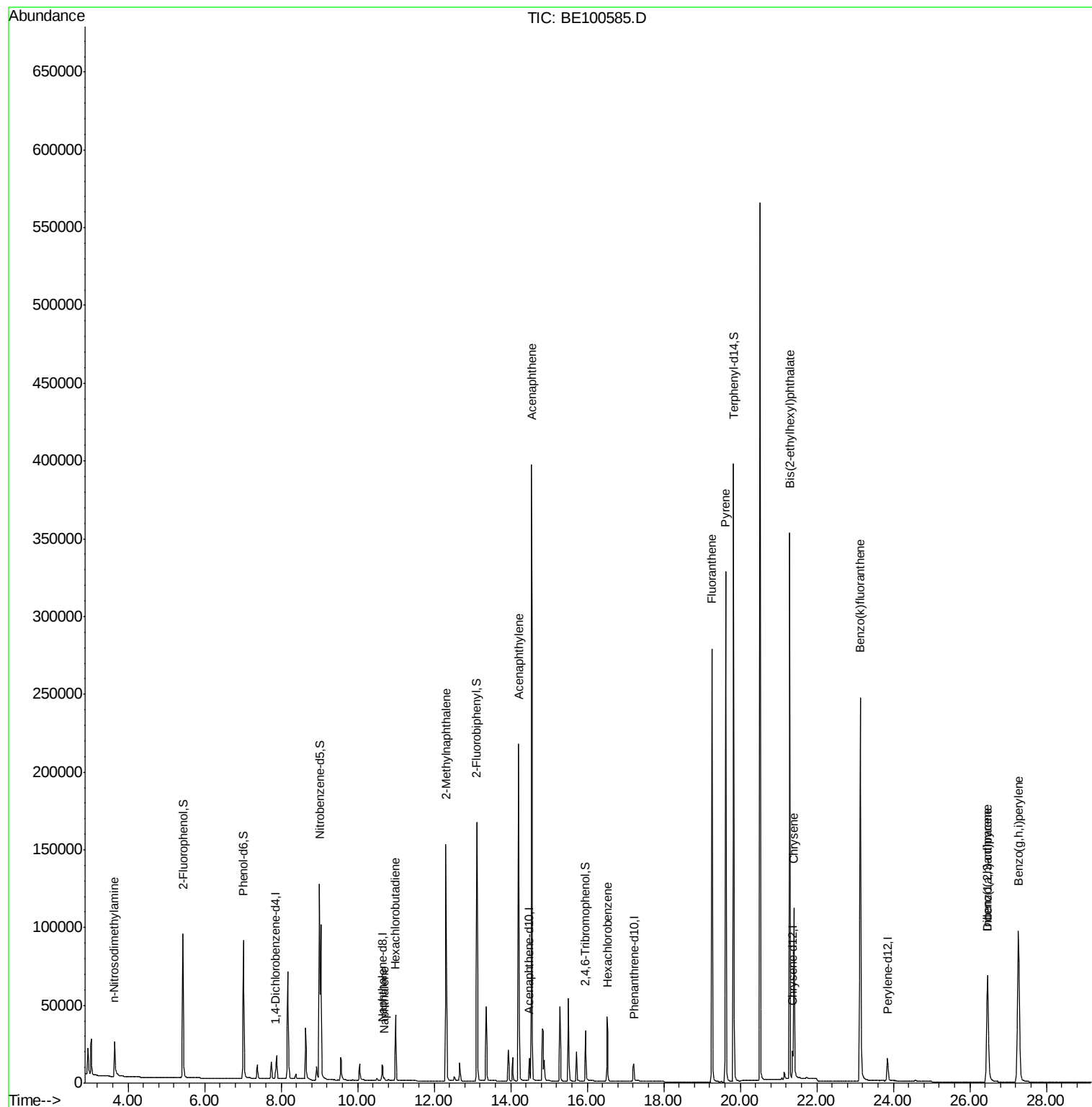
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.64	42	15954	5.165	ng	# 100
9) Naphthalene	10.69	128	2848	0.021	ng	# 92
10) Hexachlorobutadiene	10.99	225	30266	7.360	ng	99
12) 2-Methylnaphthalene	12.31	142	109241	4.757	ng	98
16) Acenaphthylene	14.21	152	287888	8.001	ng	100
17) Acenaphthene	14.54	154	220050	9.515	ng	99
21) Hexachlorobenzene	16.53	284	32417	4.607	ng	99
26) Fluoranthene	19.26	202	258695	3.979	ng	99
28) Pyrene	19.62	202	296424	4.640	ng	99
31) Chrysene	21.40	228	110473	1.743	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	387291	2.348	ng	99
33) Indeno(1,2,3-cd)pyrene	26.46	276	168644	2.159	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	370964	5.216	ng	# 94
38) Dibenzo(a,h)anthracene	26.46	278	4889	0.077	ng	# 77
39) Benzo(a,h,i)perylene	27.27	276	243042	3.745	ng	97

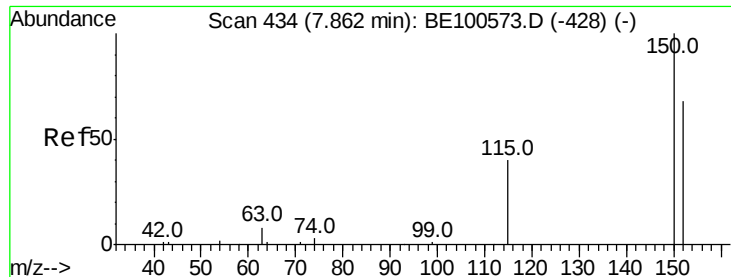
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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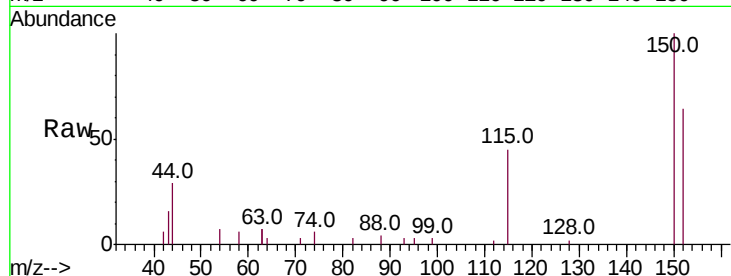


#1

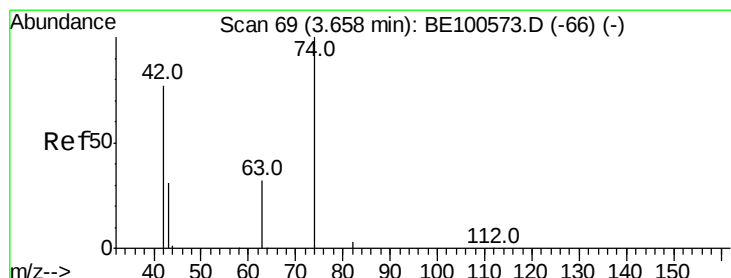
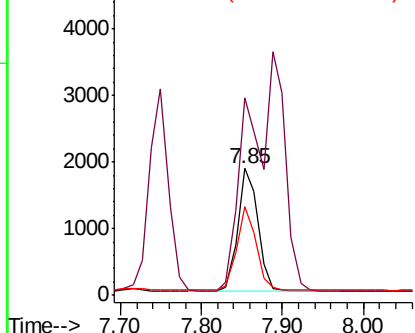
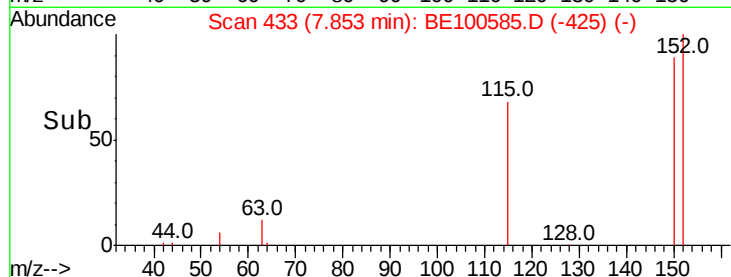
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.85 min Scan# 433
 Delta R.T. -0.01 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion:152 Resp: 3219
 Ion Ratio Lower Upper
 152 100
 150 156.1 116.9 175.3
 115 70.2 50.2 75.4



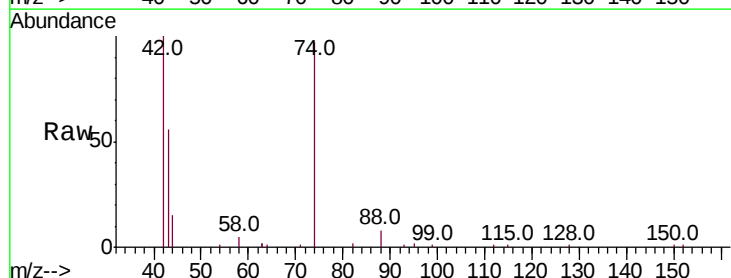
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



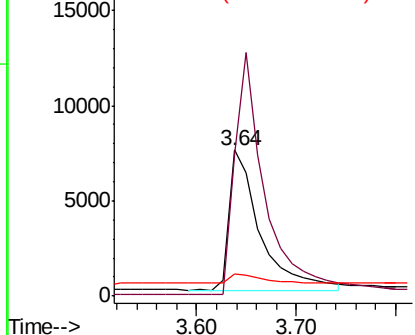
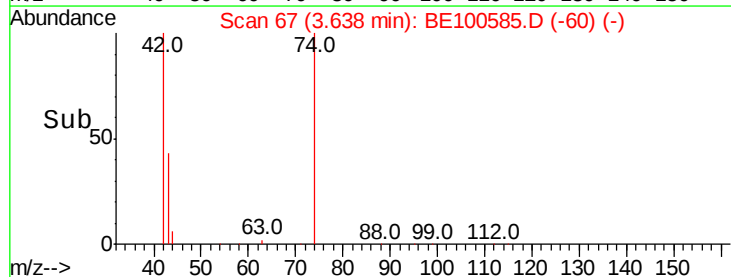
#3

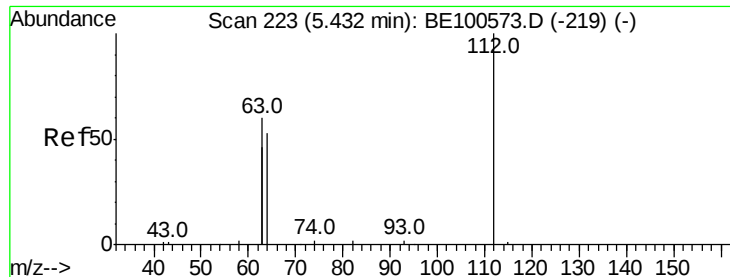
n-Nitrosodimethylamine
 Concen: 5.165 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.02 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Tgt Ion: 42 Resp: 15954
 Ion Ratio Lower Upper
 42 100
 74 169.6 0.0 0.0#
 44 7.5 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: 6.561 ng

RT: 5.43 min Scan# 223

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

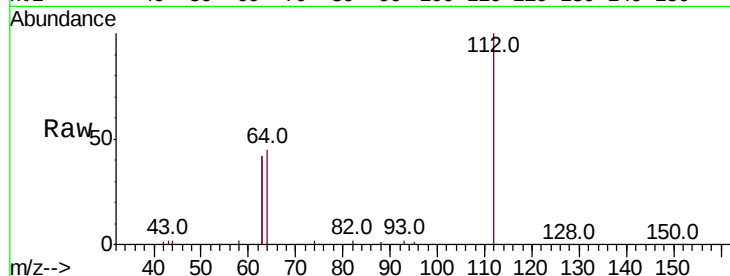
Tot Ion:112 Resp: 62274

Ion Ratio Lower Upper

112 100

64 56.4 44.9 67.3

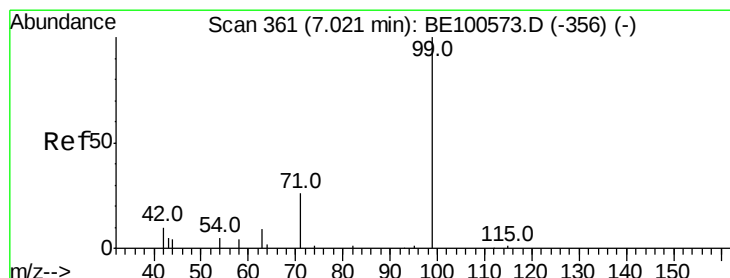
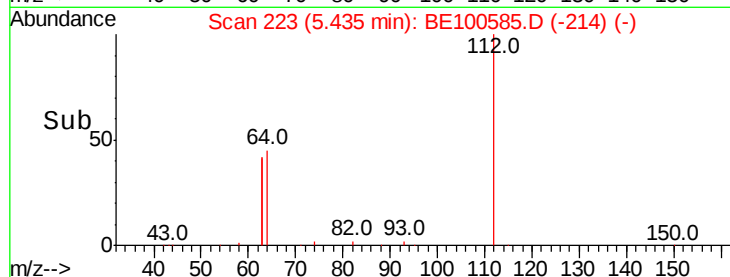
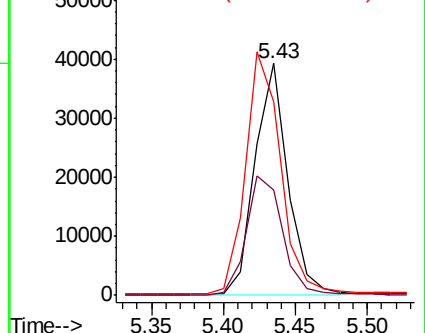
63 110.3 90.1 135.1



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: 7.220 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

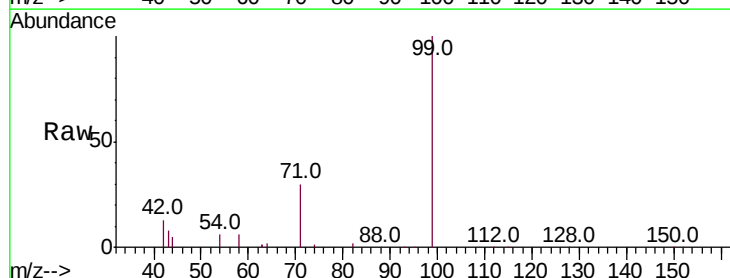
Tgt Ion: 99 Resp: 93029

Ion Ratio Lower Upper

99 100

42 14.1 11.7 17.5

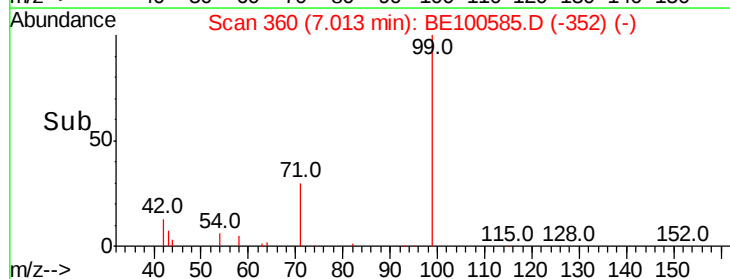
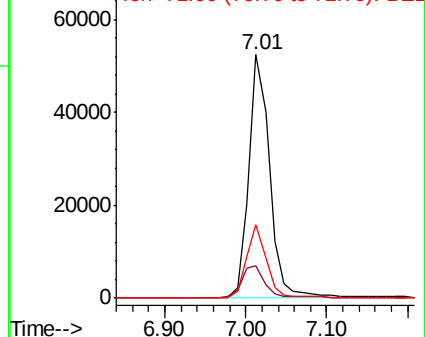
71 29.0 23.6 35.4

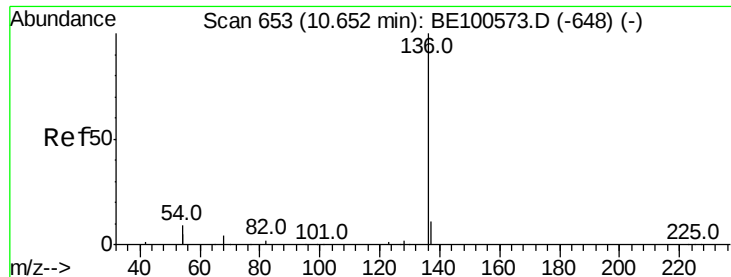


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

Tot Ion:136 Resp: 12999

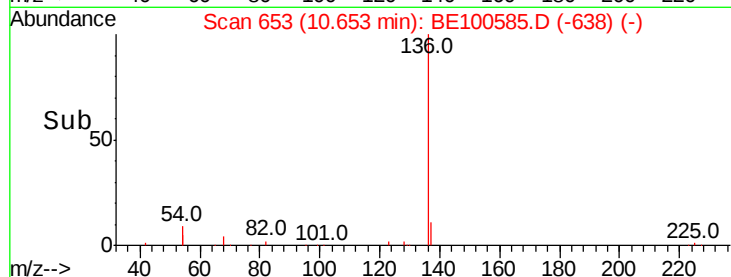
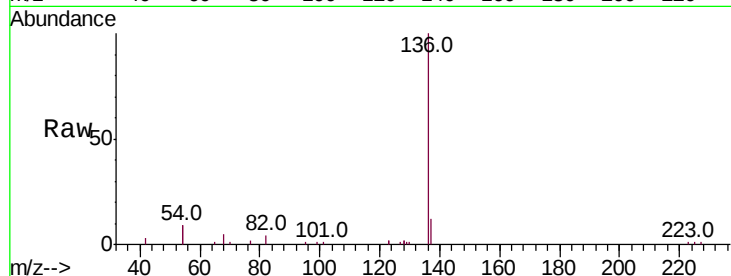
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 18.7 15.0 22.6

68 4.6 3.7 5.5

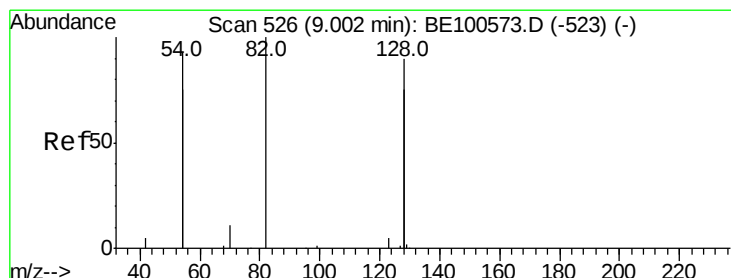
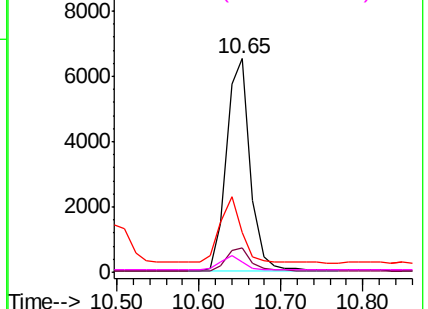


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.404 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

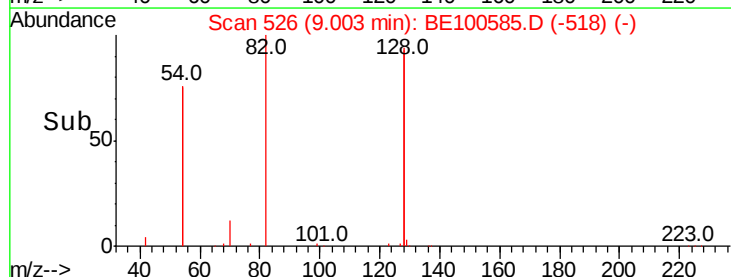
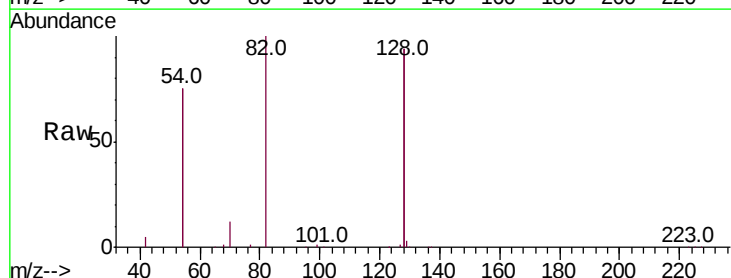
Tgt Ion: 82 Resp: 50724

Ion Ratio Lower Upper

82 100

128 188.1 137.9 206.9

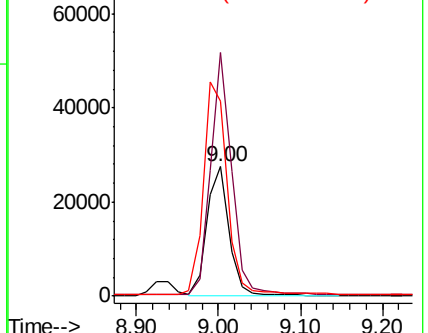
54 150.8 143.0 214.6

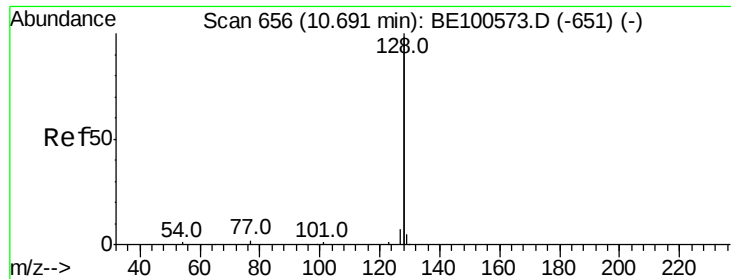


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.021 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

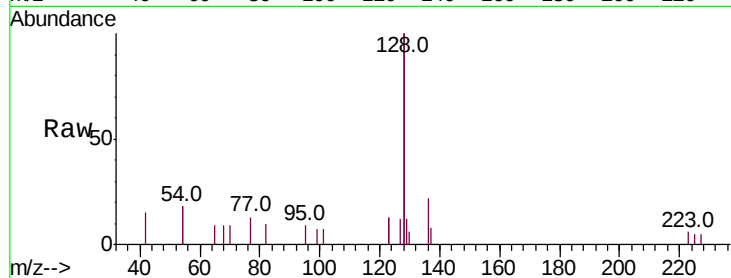
Tot Ion:128 Resp: 2848

Ion Ratio Lower Upper

128 100

129 5.8 2.2 3.4#

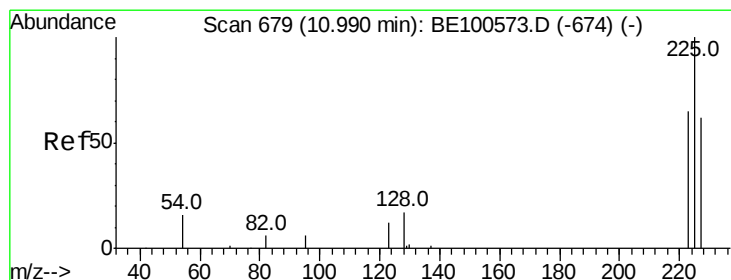
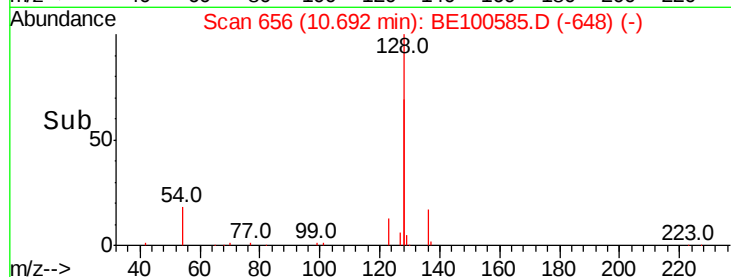
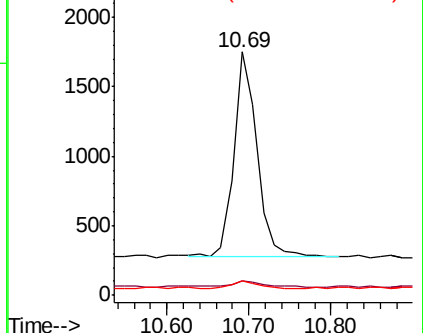
127 6.1 2.8 4.2#



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: 7.360 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

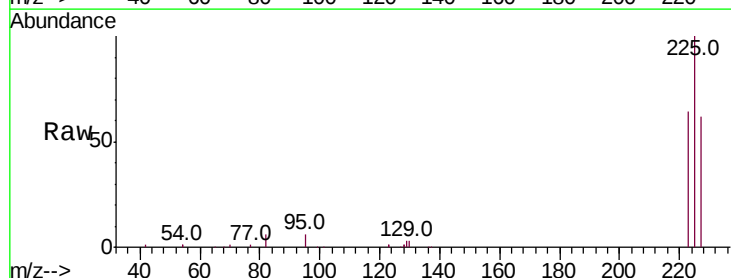
Tgt Ion:225 Resp: 30266

Ion Ratio Lower Upper

225 100

223 63.0 49.4 74.0

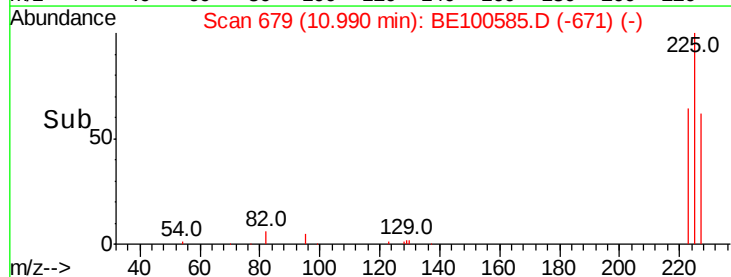
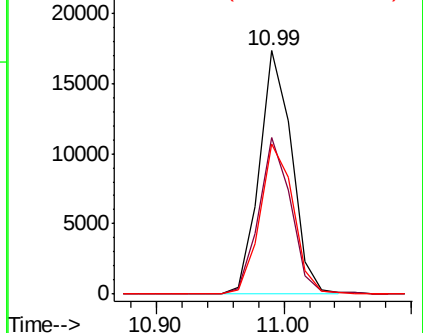
227 63.4 50.3 75.5

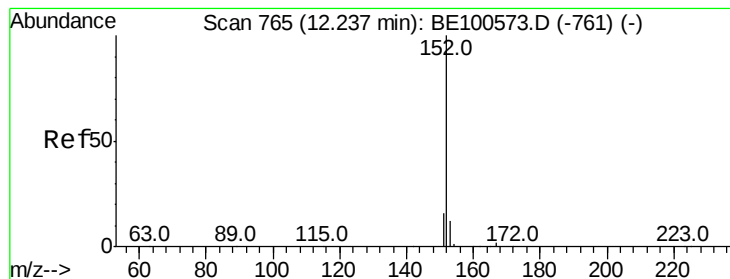


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.07 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

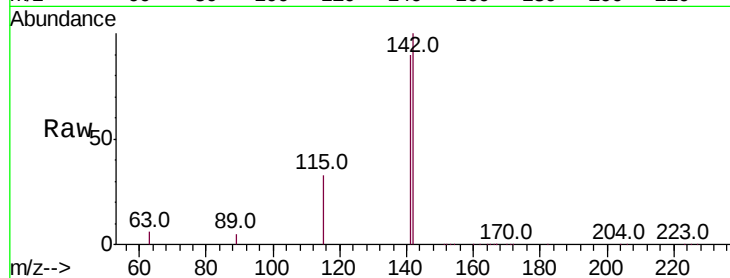
PT-BN-WPDL

Tot Ion:152 Resp: 6

Ion Ratio Lower Upper

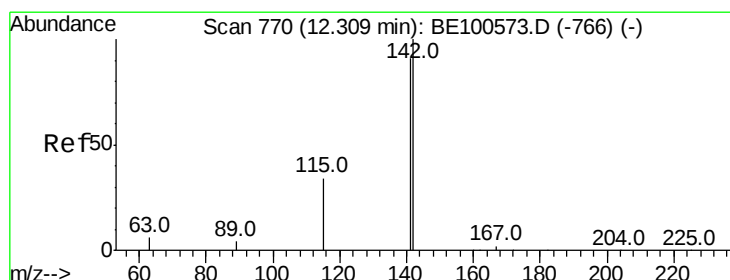
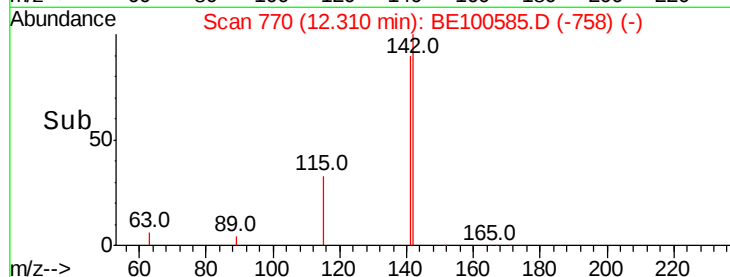
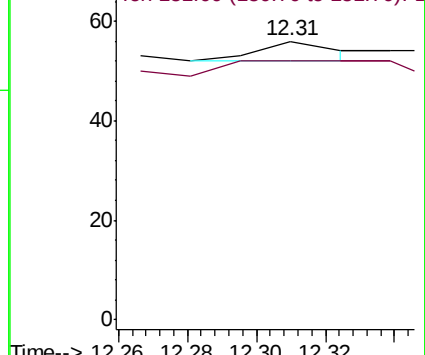
152 100

151 266.7 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: 4.757 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

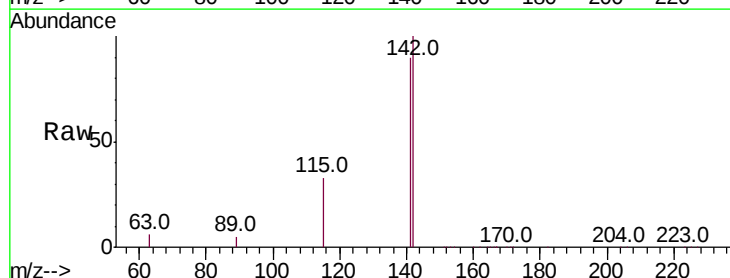
Tgt Ion:142 Resp: 109241

Ion Ratio Lower Upper

142 100

141 90.2 73.2 109.8

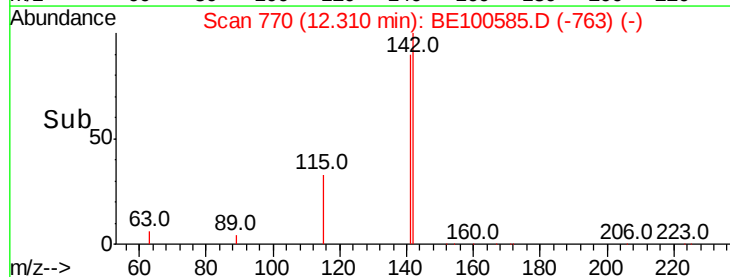
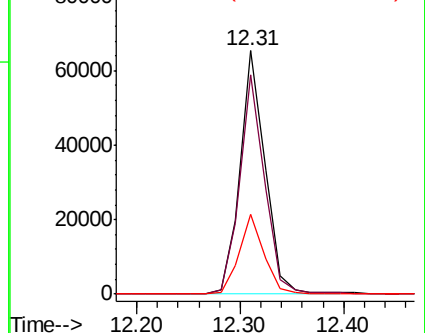
115 32.8 28.2 42.2

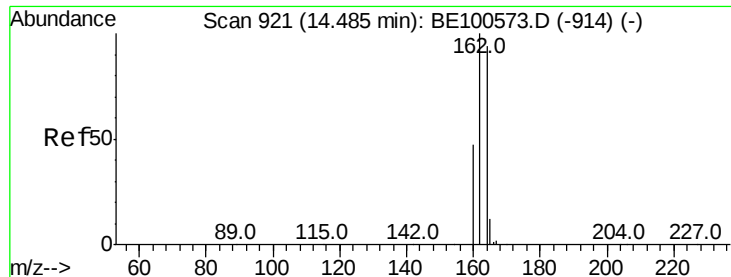


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

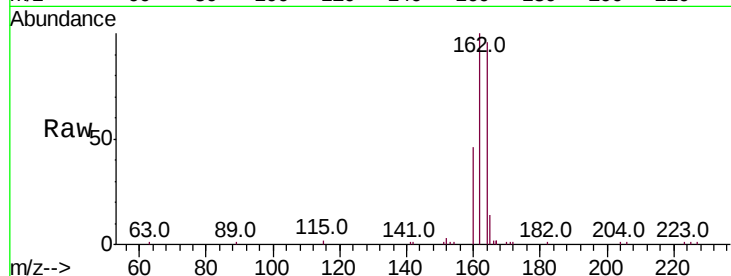




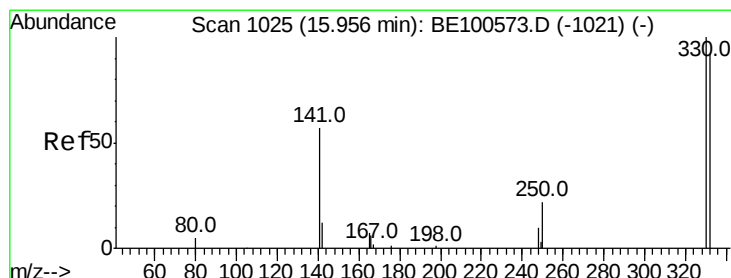
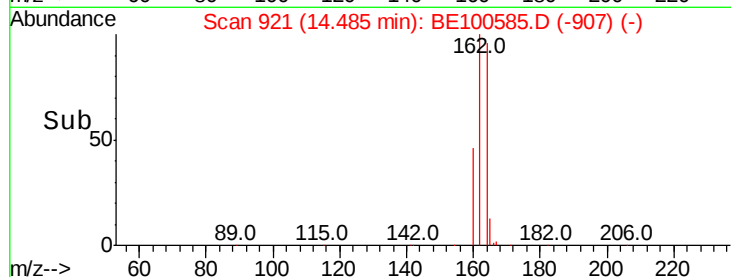
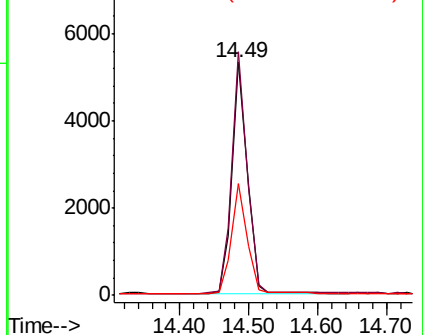
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion:164 Resp: 8076
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.0 127.4
 160 48.2 40.2 60.4

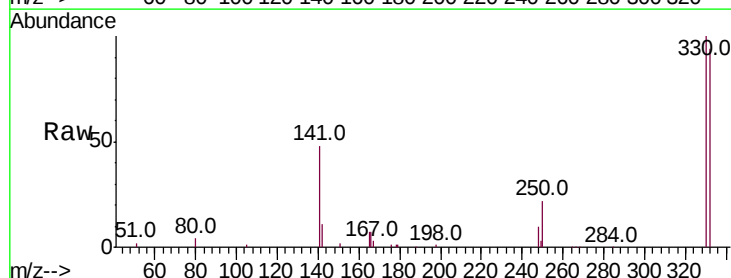


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

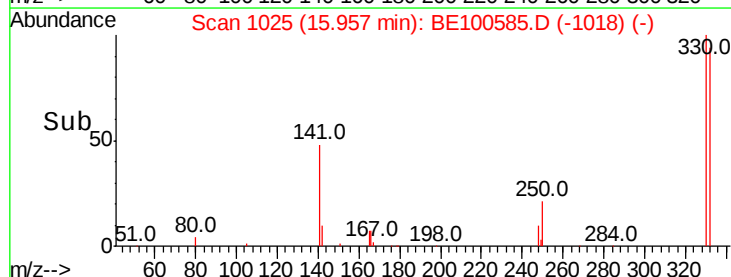
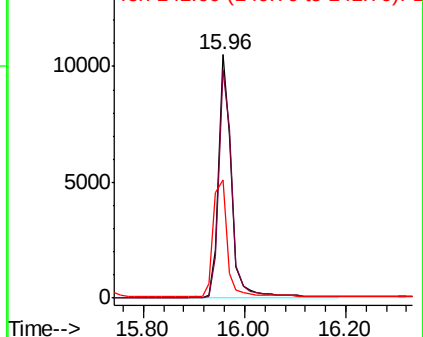


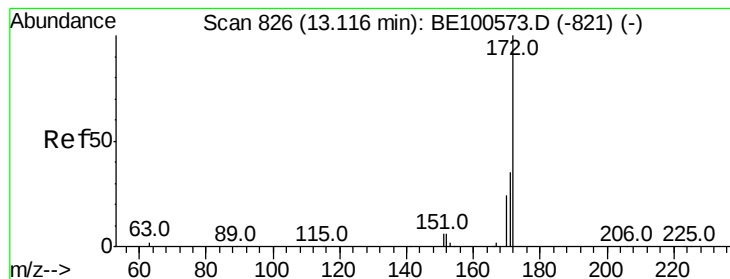
#14
 2,4,6-Tribromophenol
 Concen: 7.844 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Tgt Ion:330 Resp: 18162
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.1 117.1
 141 53.2 42.1 63.1



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



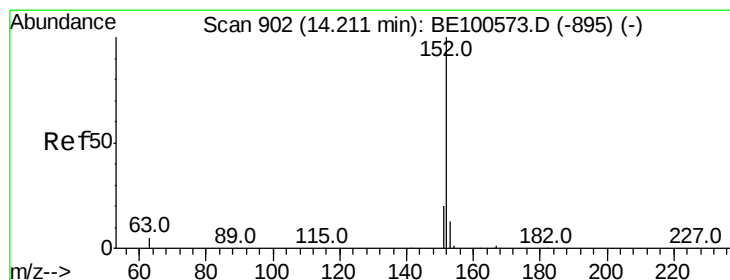
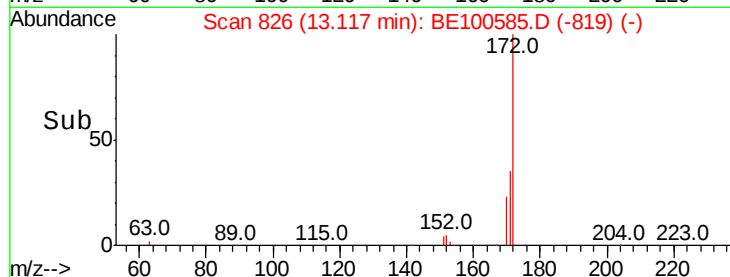
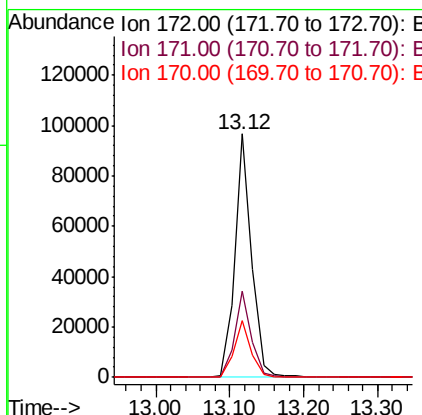
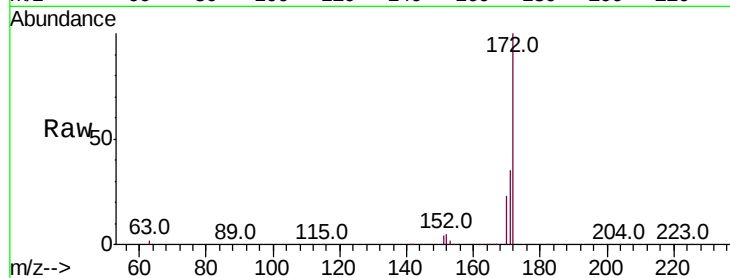


#15
 2-Fluorobiphenyl
 Concen: 5.457 ng
 RT: 13.12 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion:172 Resp: 152562

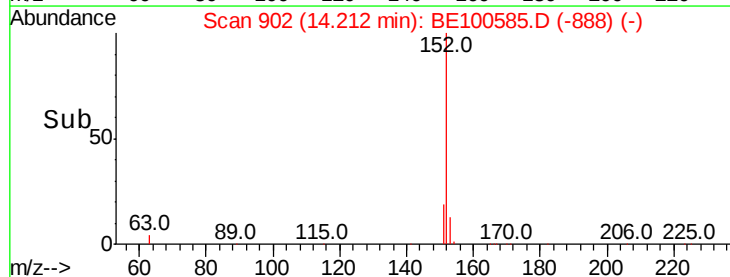
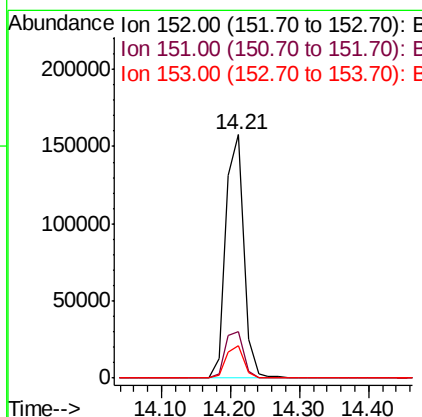
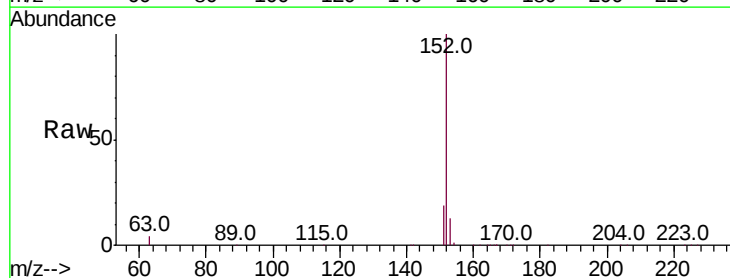
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.3	19.2	28.8

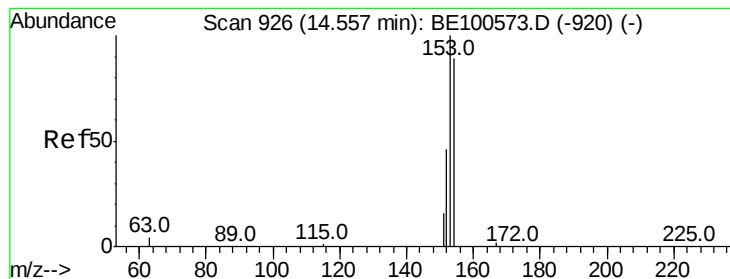


#16
 Acenaphthylene
 Concen: 8.001 ng
 RT: 14.21 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Tgt Ion:152 Resp: 287888

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.6	16.0





#17

Acenaphthene

Concen: 9.515 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

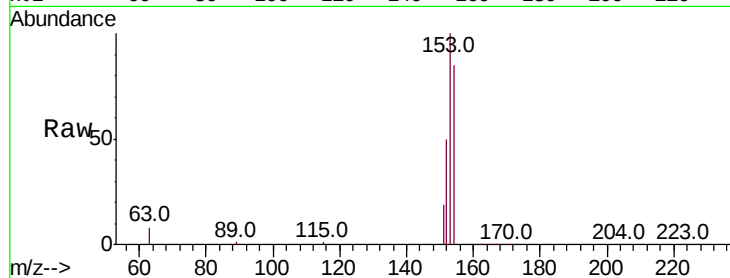
Tot Ion:154 Resp: 220050

Ion Ratio Lower Upper

154 100

153 114.5 92.7 139.1

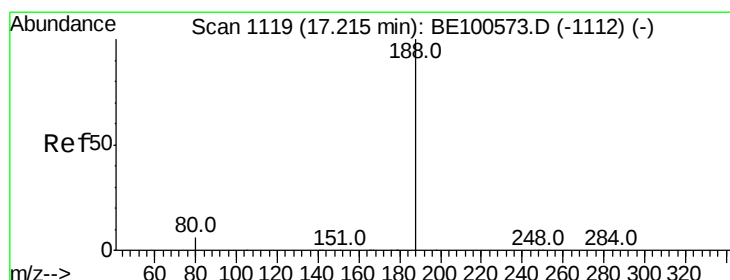
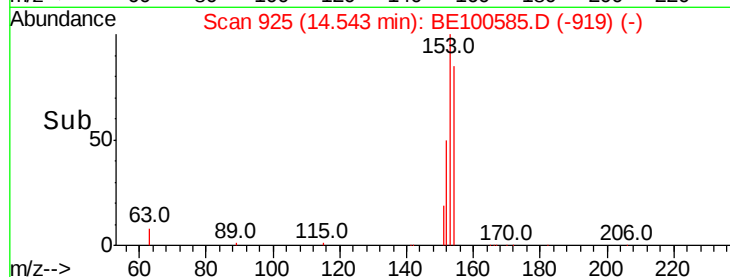
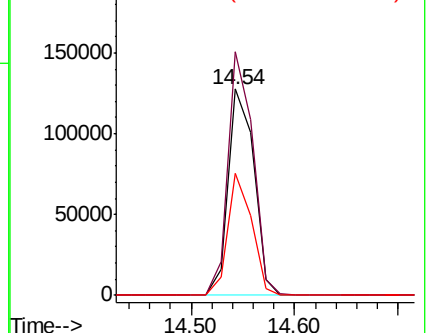
152 55.8 45.6 68.4



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

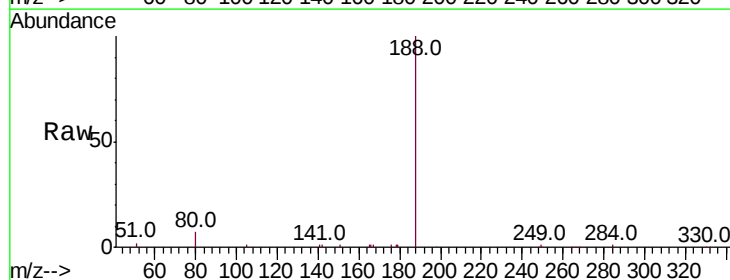
Tgt Ion:188 Resp: 18339

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

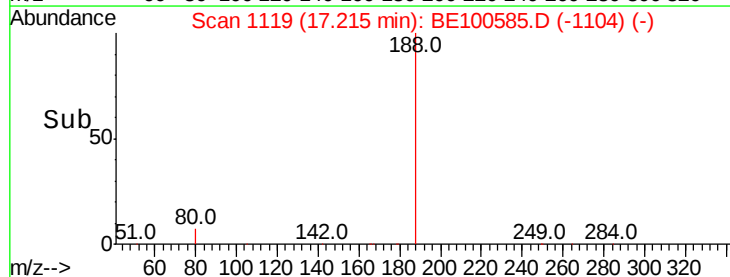
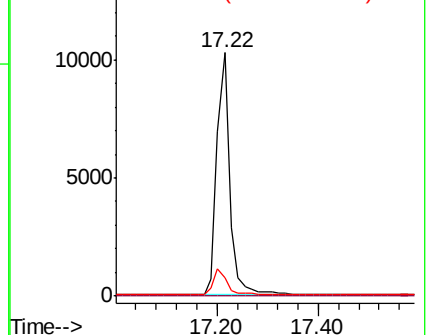
80 7.4 5.6 8.4

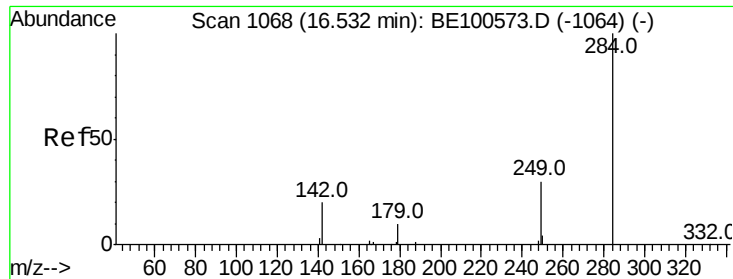


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#21

Hexachlorobenzene

Concen: 4.607 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampled :

PT-BN-WPDL

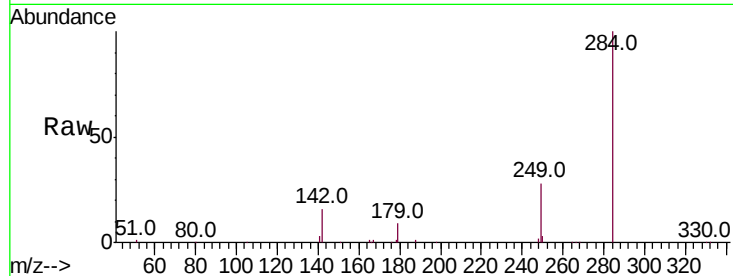
Tot Ion:284 Resp: 32417

Ion Ratio Lower Upper

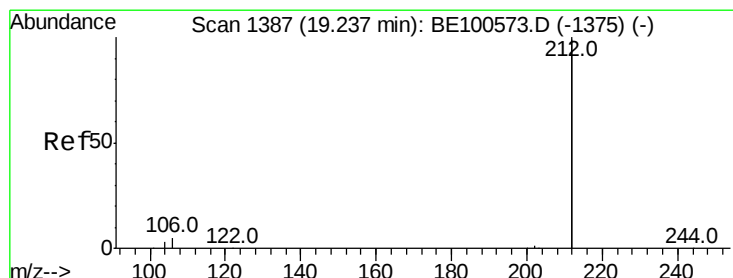
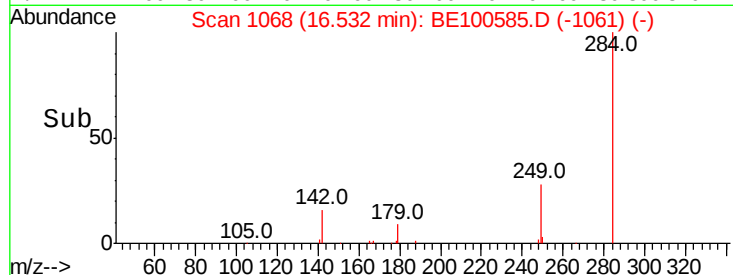
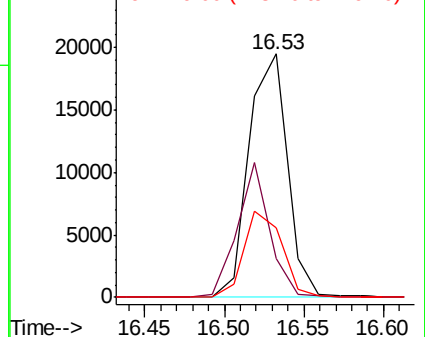
284 100

142 46.5 37.0 55.4

249 34.9 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



#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.23 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

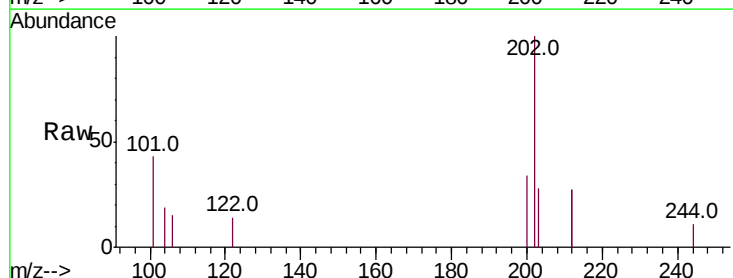
Tgt Ion:212 Resp: 48

Ion Ratio Lower Upper

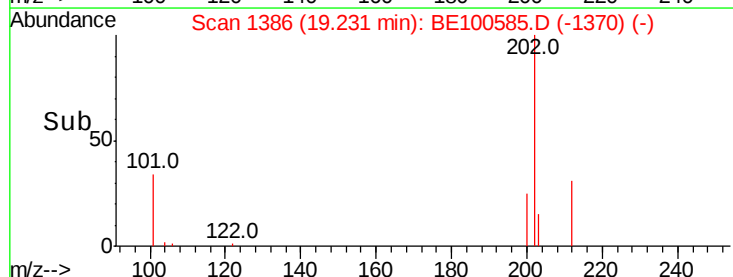
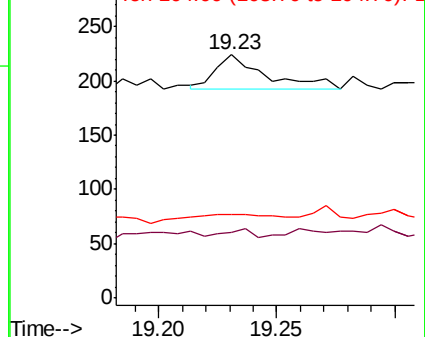
212 100

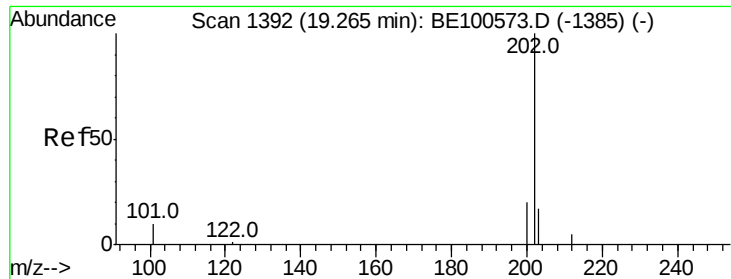
106 10.4 2.5 3.7#

104 45.8 1.4 2.0#



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

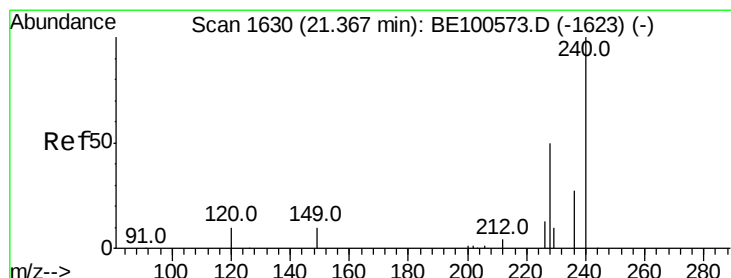
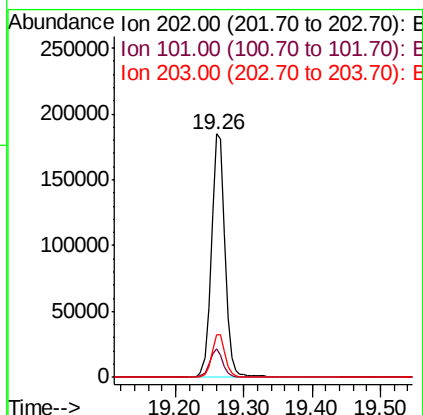
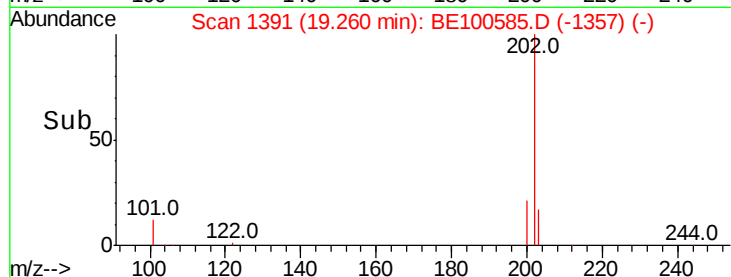
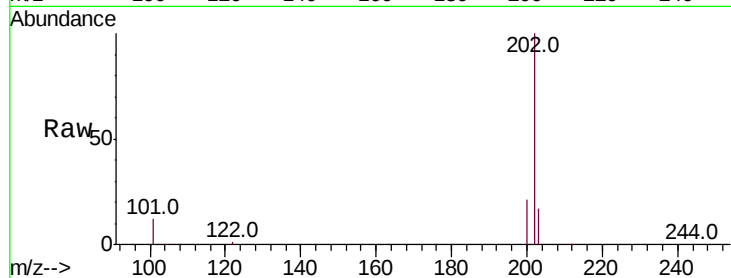




#26
 Fluoranthene
 Concen: 3.979 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

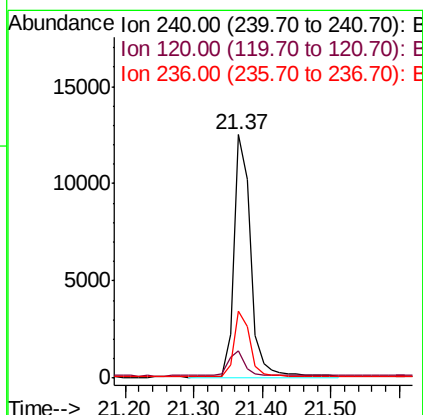
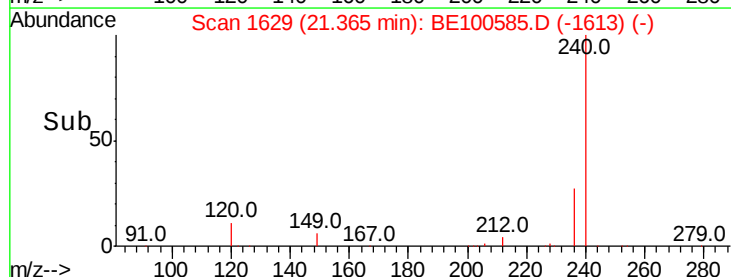
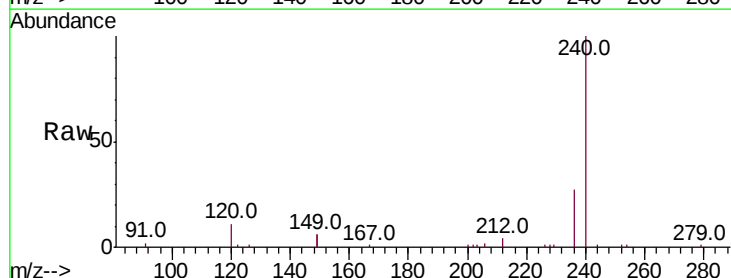
Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

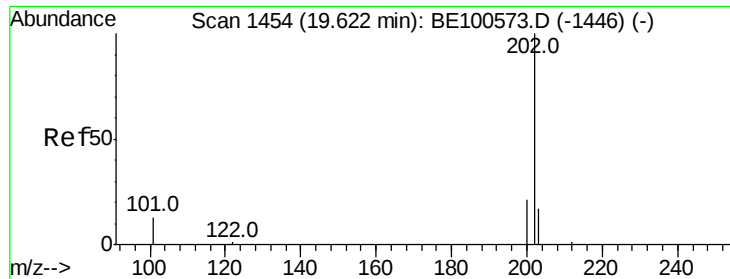
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.0	13.4
203	17.4	13.6	20.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.7	13.1
236	27.4	21.8	32.8

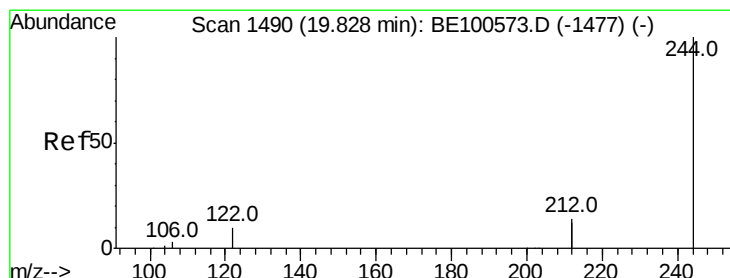
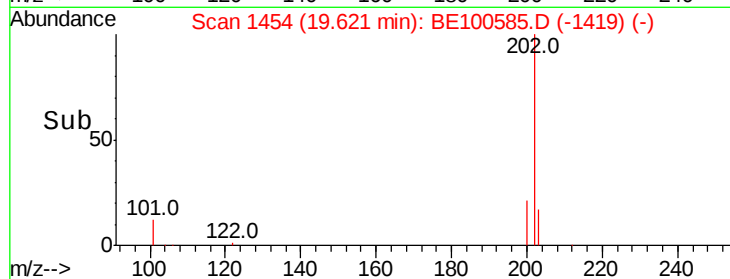
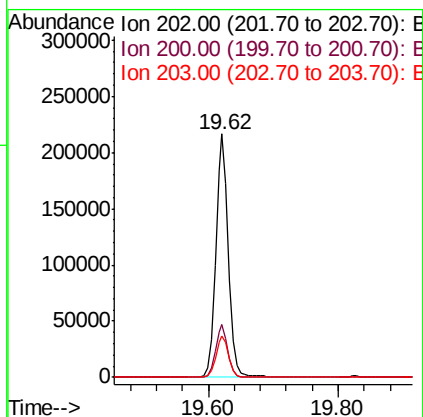
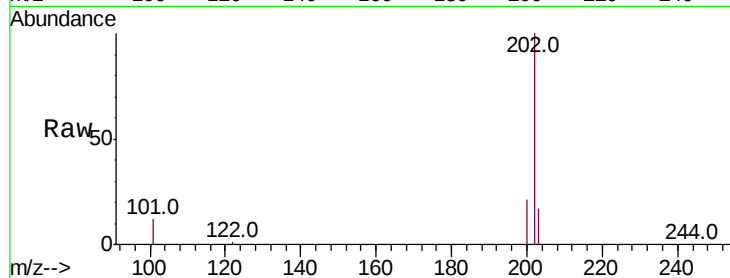




#28
Pvrene
Concen: 4.640 ng
RT: 19.62 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BE100585.D
Acq: 30 Sep 2019 17:21

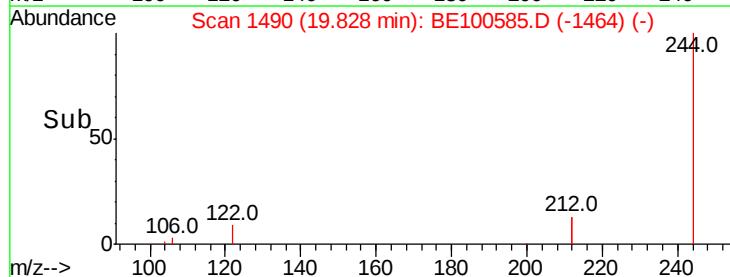
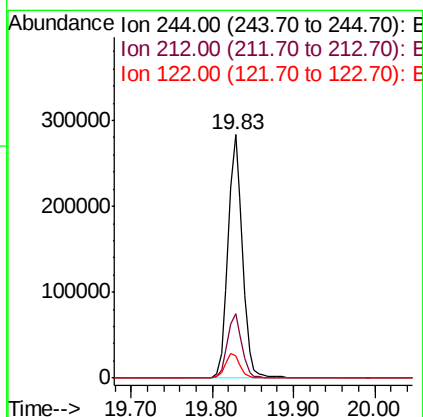
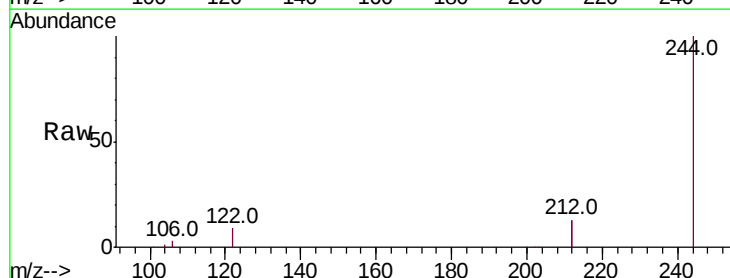
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

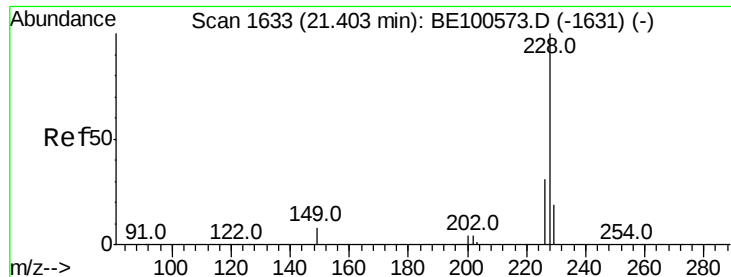
Tot Ion:202 Resp: 296424
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 17.5 14.2 21.2



#29
Terphenyl-d14
Concen: 6.697 ng
RT: 19.83 min Scan# 1490
Delta R.T. -0.00 min
Lab File: BE100585.D
Acq: 30 Sep 2019 17:21

Tgt Ion:244 Resp: 349156
Ion Ratio Lower Upper
244 100
212 26.7 21.8 32.8
122 9.3 8.2 12.4



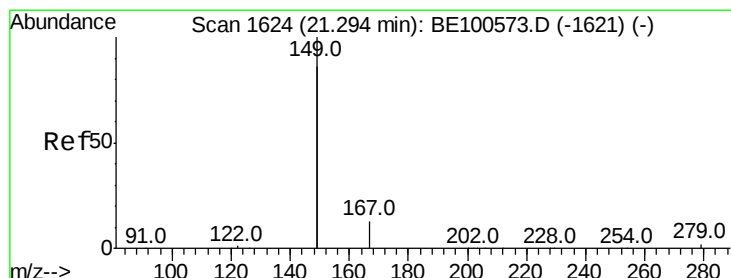
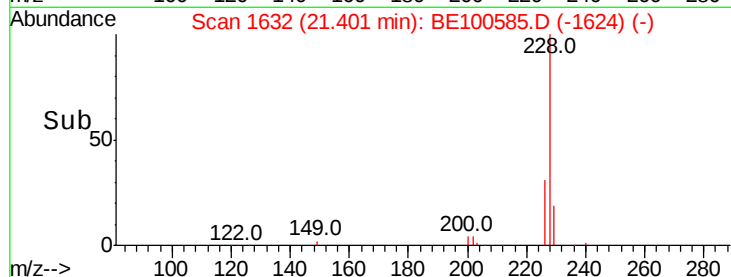
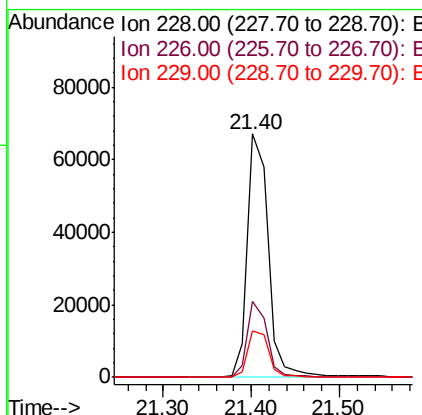
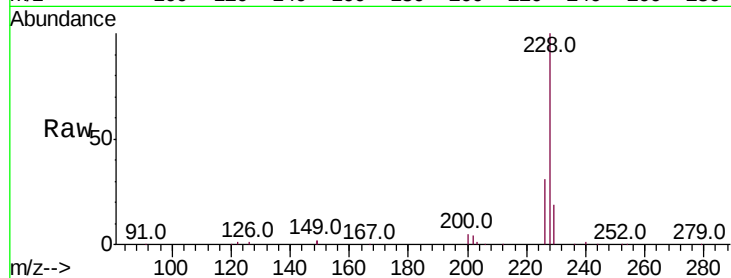


#31
 Chrysene
 Concen: 1.743 ng
 RT: 21.40 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion:228 Resp: 110473

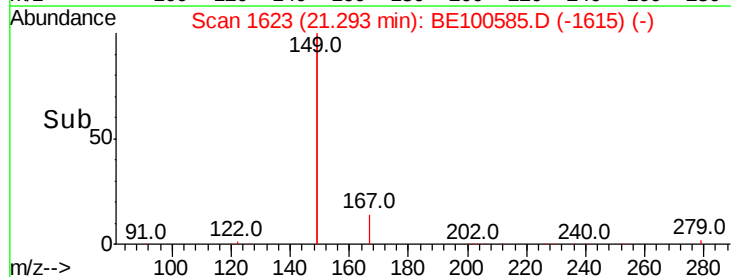
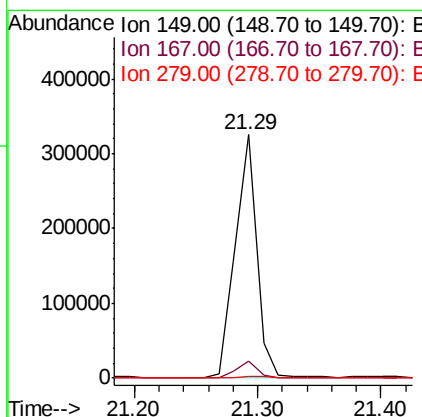
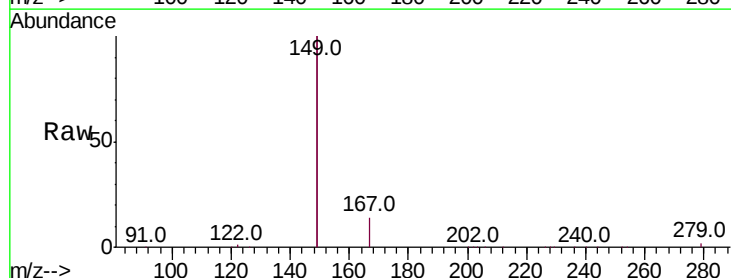
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	18.9	15.6	23.4

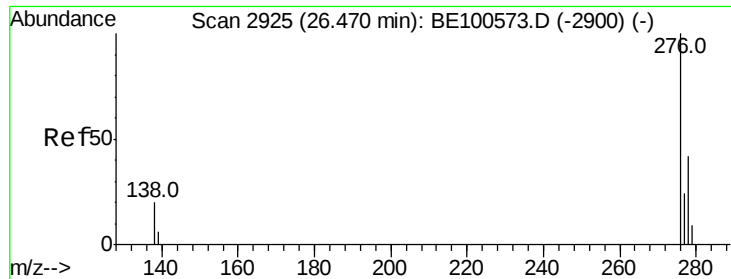


#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.348 ng
 RT: 21.29 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BE100585.D
 Acq: 30 Sep 2019 17:21

Tgt Ion:149 Resp: 387291

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: 2.159 ng

RT: 26.46 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

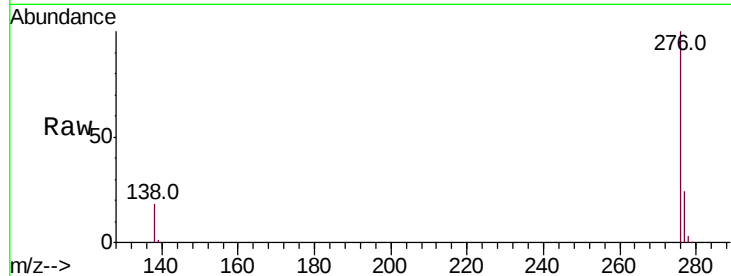
Tot Ion:276 Resp: 168644

Ion Ratio Lower Upper

276 100

138 17.6 18.6 27.8#

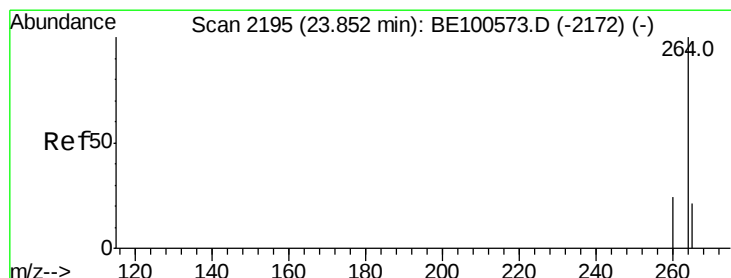
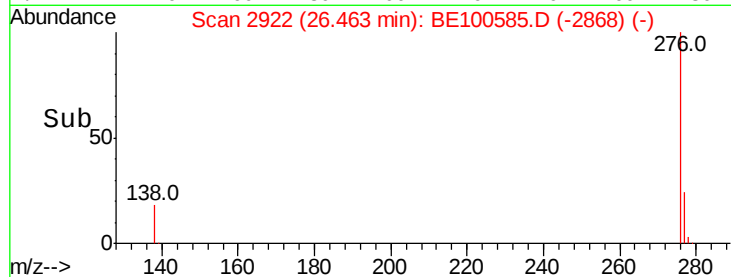
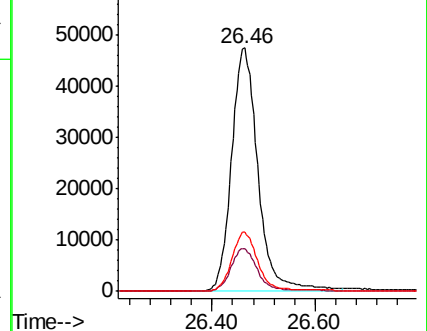
277 24.0 19.4 29.2



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: BE100585.D

Acq: 30 Sep 2019 17:21

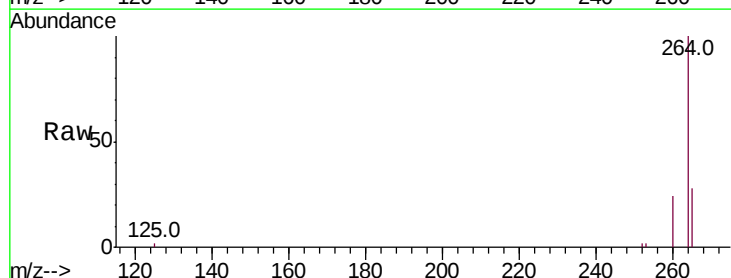
Tgt Ion:264 Resp: 23851

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

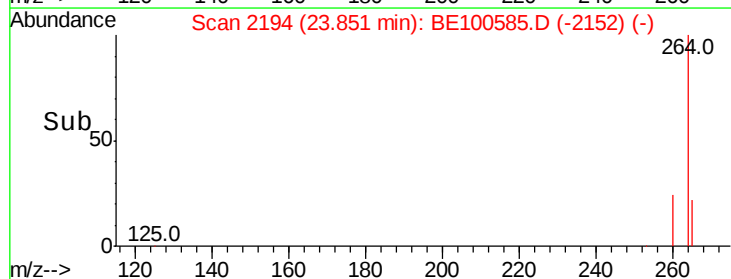
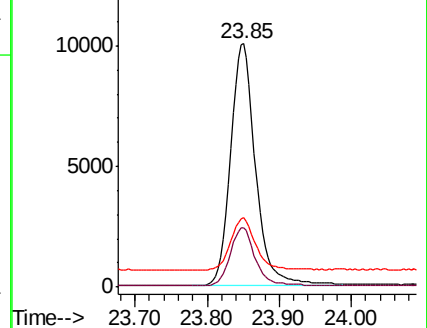
265 28.5 22.2 33.4

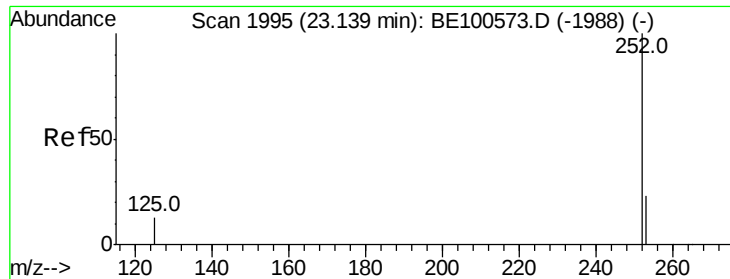


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(k)fluoranthene

Concen: 5.216 ng

RT: 23.14 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

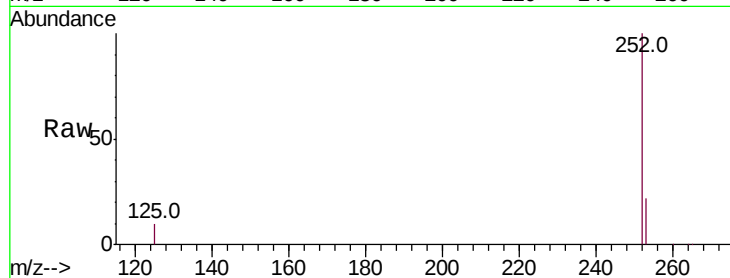
Tot Ion:252 Resp: 370964

Ion Ratio Lower Upper

252 100

253 21.9 18.6 28.0

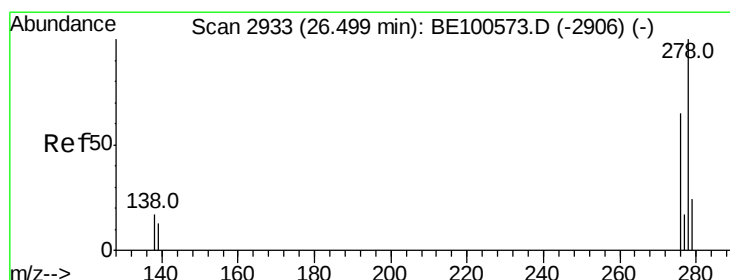
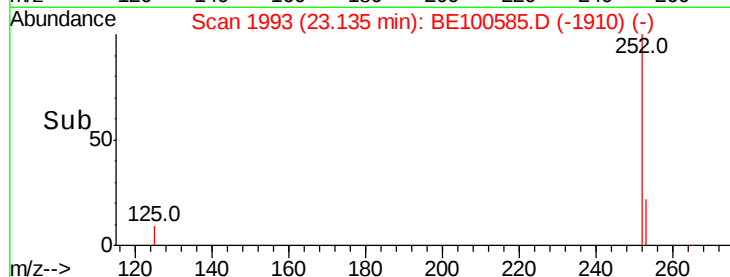
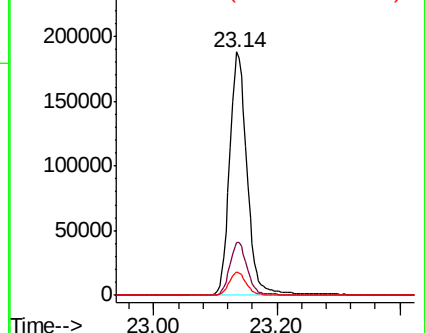
125 9.6 11.4 17.2#



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: 0.077 ng

RT: 26.46 min Scan# 2921

Delta R.T. -0.04 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

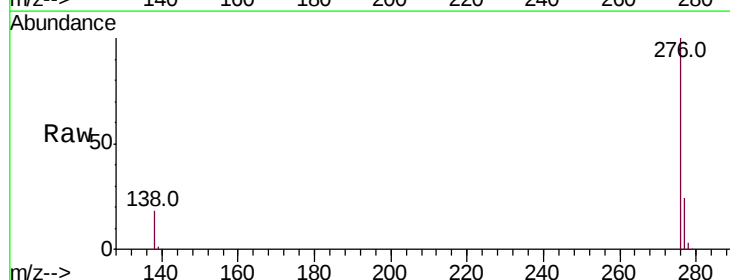
Tgt Ion:278 Resp: 4889

Ion Ratio Lower Upper

278 100

139 23.1 11.7 17.5#

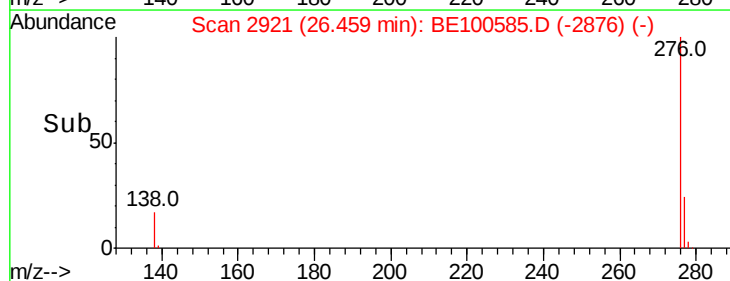
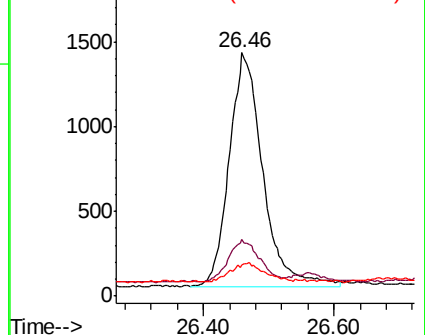
279 12.5 19.9 29.9#

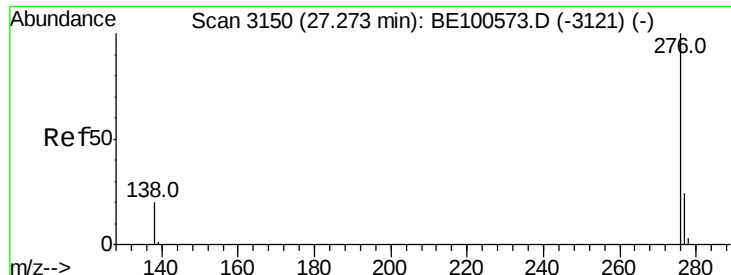


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 3.745 ng

RT: 27.27 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE100585.D

Acq: 30 Sep 2019 17:21

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

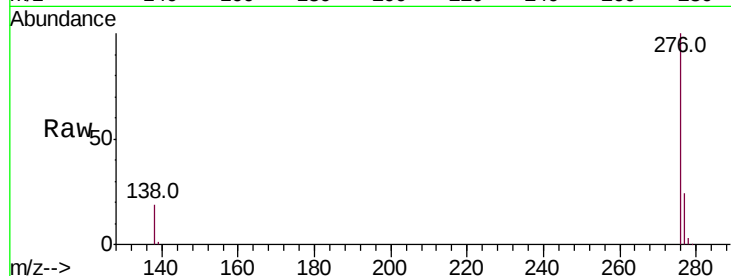
Tot Ion: 276 Resp: 243042

Ion Ratio Lower Upper

276 100

277 23.6 19.7 29.5

138 19.4 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

