

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100343.D
 Acq On : 3 Jul 2019 23:57
 Operator : JU/SJ
 Sample : K3560-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 04 00:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	639	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2142	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1801	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5727	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7488	0.40	ng	0.00
34) Perylene-d12	23.66	264	8894	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	601	0.37	ng	-0.01
5) Phenol-d6	6.83	99	817	0.38	ng	-0.01
8) Nitrobenzene-d5	8.81	82	695	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1499	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	507	0.40	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2340	0.33	ng	-0.01
25) Fluoranthene-d10	19.09	212	24767	0.30	ng	0.00
29) Terphenyl-d14	19.69	244	5587	0.36	ng	-0.01

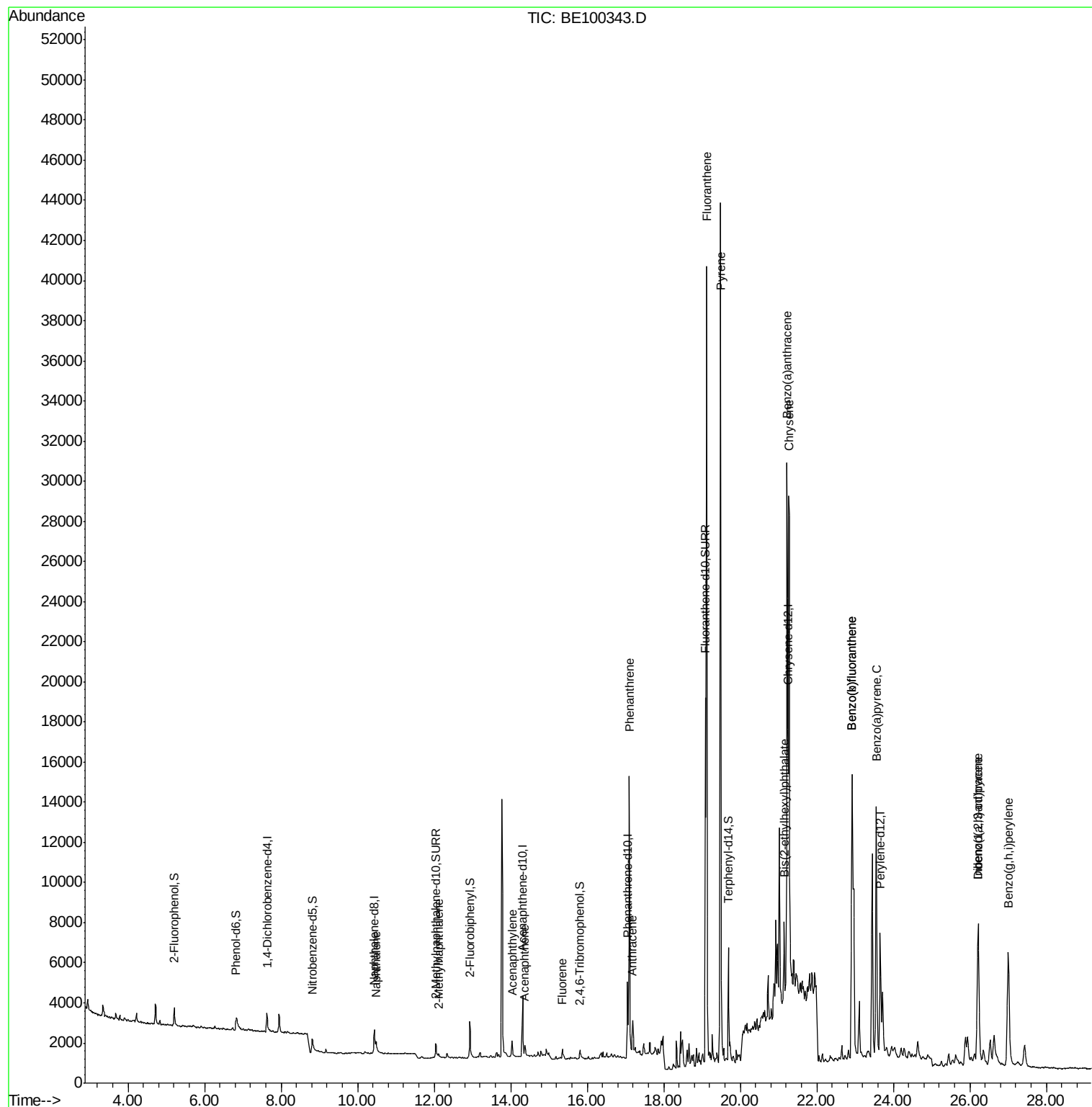
Target Compounds				Qvalue		
9) Naphthalene	10.48	128	1155	0.049	ng	# 83
12) 2-Methylnaphthalene	12.11	142	178	0.043	ng	# 85
16) Acenaphthylene	14.04	152	1319	0.153	ng	98
17) Acenaphthene	14.37	154	247	0.050	ng	# 83
18) Fluorene	15.35	166	498	0.069	ng	# 96
23) Phenanthrene	17.09	178	15400	1.109	ng	100
24) Anthracene	17.19	178	2161	0.173	ng	99
26) Fluoranthene	19.12	202	37989	1.718	ng	99
28) Pyrene	19.48	202	43599	2.199	ng	96
30) Benzo(a)anthracene	21.22	228	24390	0.991	ng	97
31) Chrysene	21.27	228	28412	1.149	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	4411	0.069	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.21	276	14222	0.435	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	29392	1.219	ng	# 98
36) Benzo(k)fluoranthene	22.92	252	29392	1.092	ng	97
37) Benzo(a)pyrene	23.55	252	20758	0.859	ng	# 97
38) Dibenzo(a,h)anthracene	26.22	278	3597	0.143	ng	# 79
39) Benzo(a,h,i)perylene	27.01	276	15783	0.609	ng	100

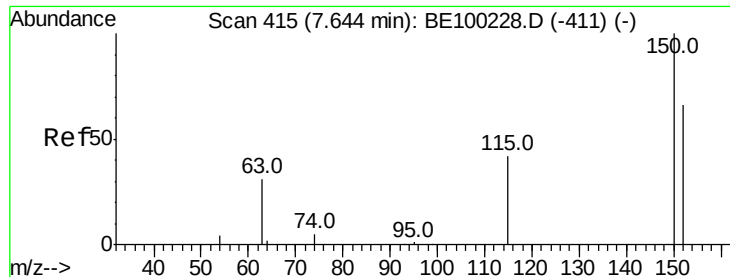
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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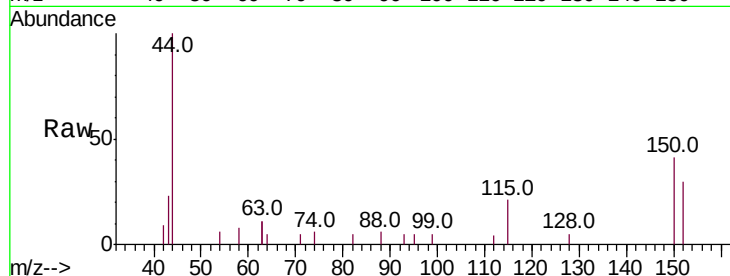


#1

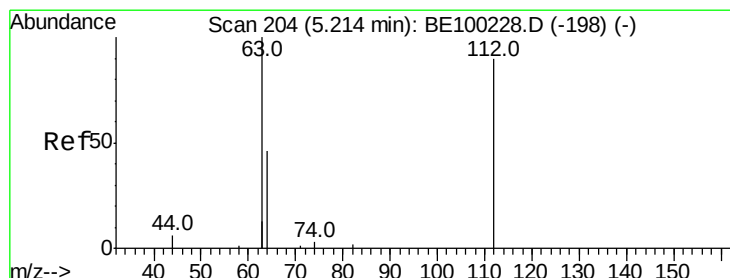
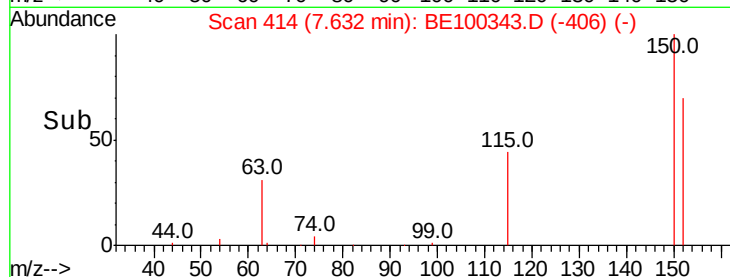
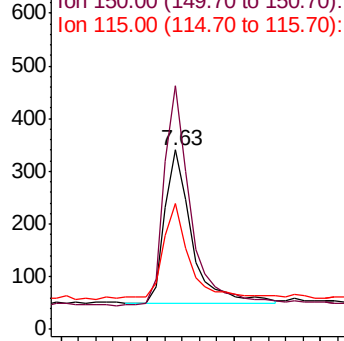
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 639
Ion Ratio Lower Upper
152 100
150 135.9 114.5 171.7
115 70.0 57.1 85.7



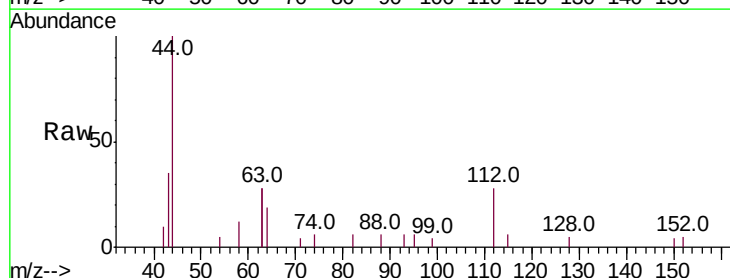
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



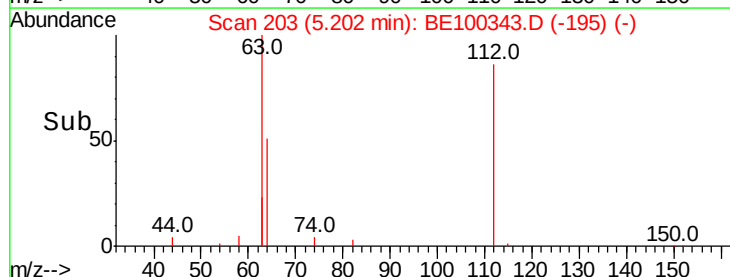
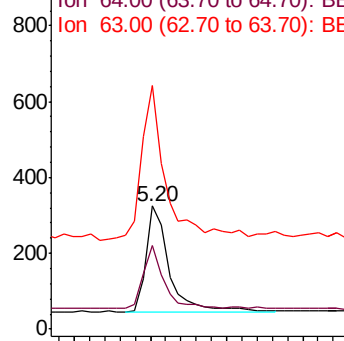
#4

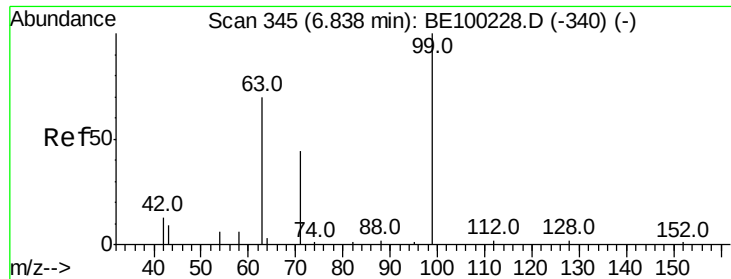
2-Fluorophenol
Concen: 0.369 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:112 Resp: 601
Ion Ratio Lower Upper
112 100
64 52.2 39.4 59.0
63 146.3 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampleId :

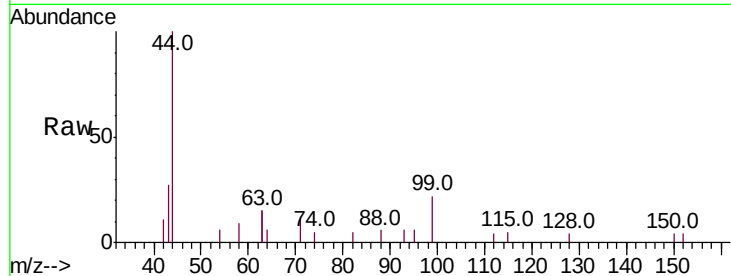
Tot Ion: 99 Resp: 817

Ion Ratio Lower Upper

99 100

42 13.6 11.2 16.8

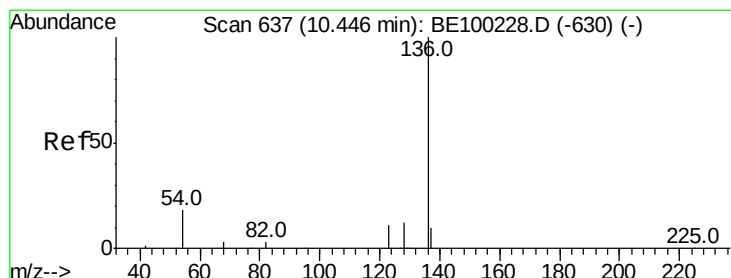
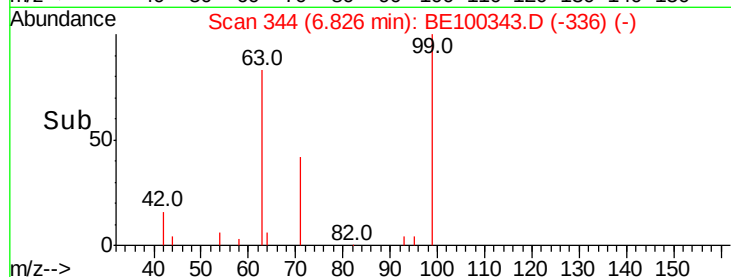
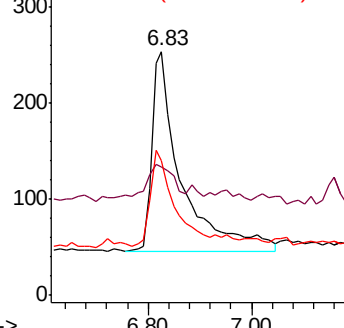
71 38.4 37.2 55.8



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: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Tgt Ion: 136 Resp: 2142

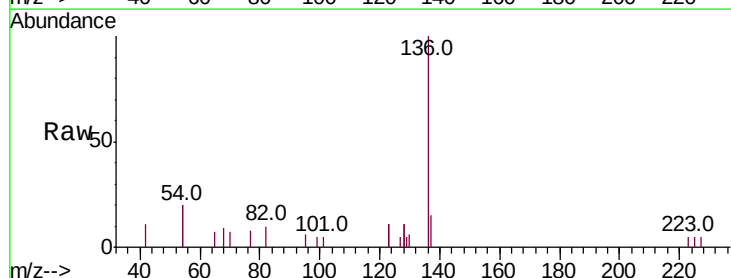
Ion Ratio Lower Upper

136 100

137 15.0 11.8 17.8

54 39.5 27.7 41.5

68 9.4 6.8 10.2

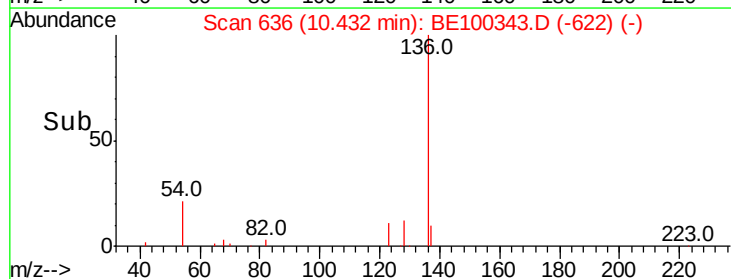
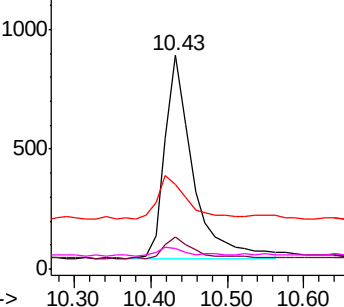


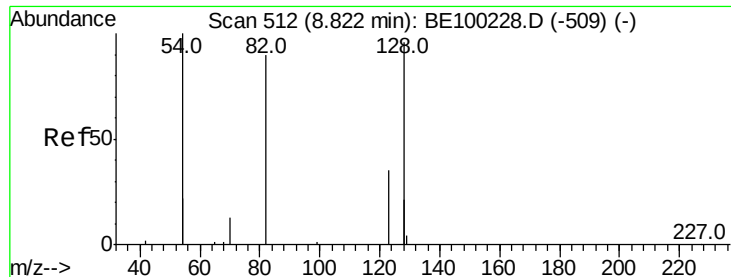
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.327 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampled :

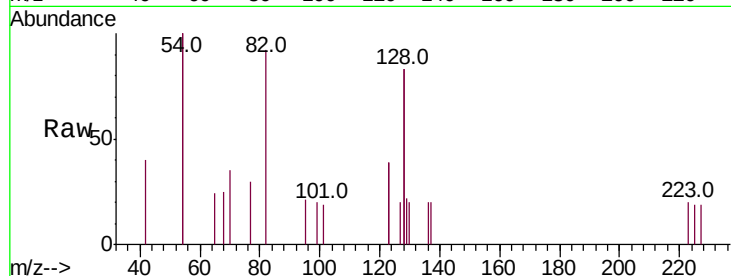
Tot Ion: 82 Resp: 695

Ion Ratio Lower Upper

82 100

128 181.1 140.9 211.3

54 217.1 146.2 219.2

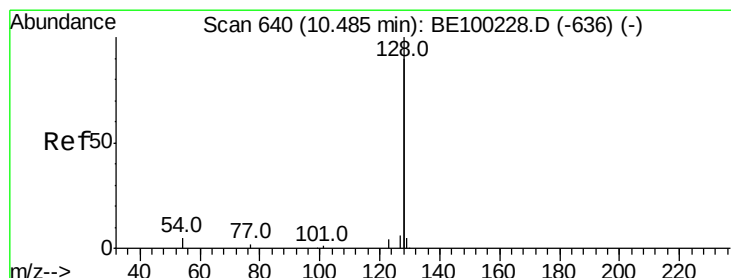
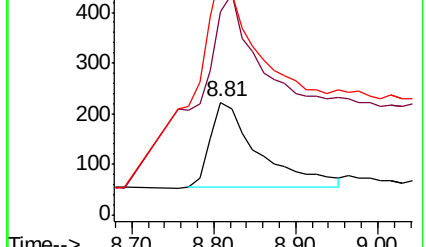
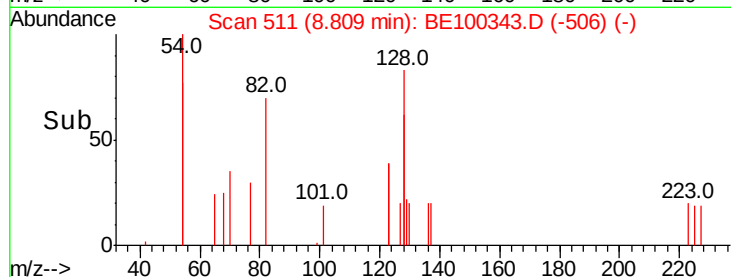


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Time-->



#9

Naphthalene

Concen: 0.049 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

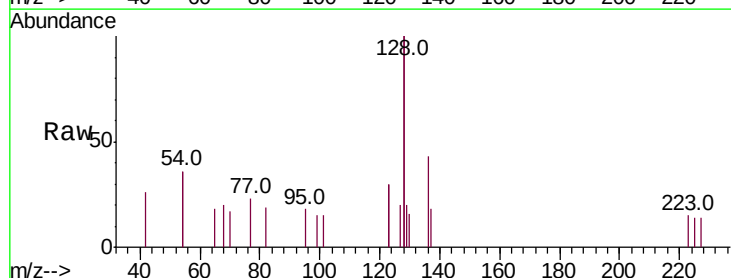
Tgt Ion:128 Resp: 1155

Ion Ratio Lower Upper

128 100

129 9.8 3.0 4.6#

127 9.8 3.5 5.3#

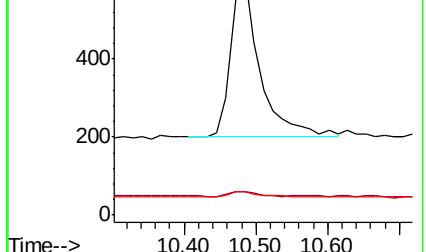
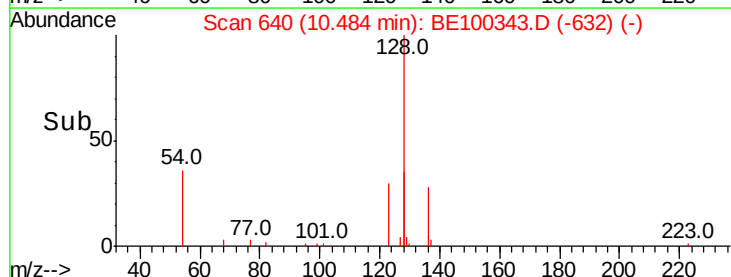


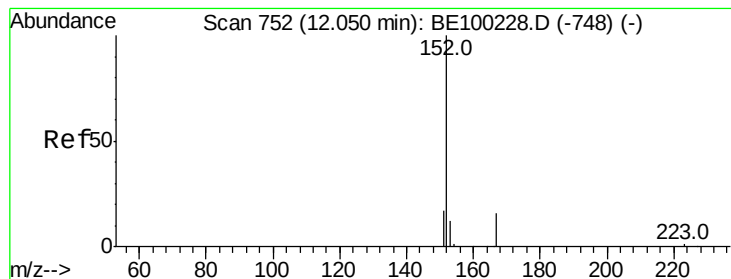
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->

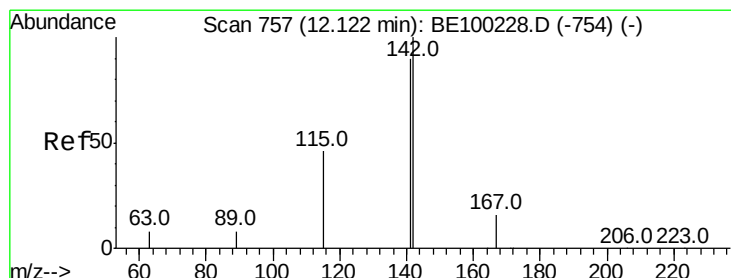
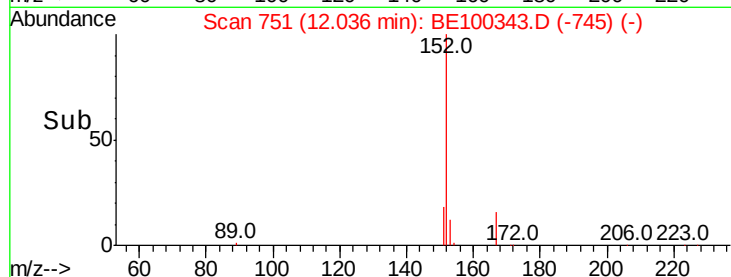
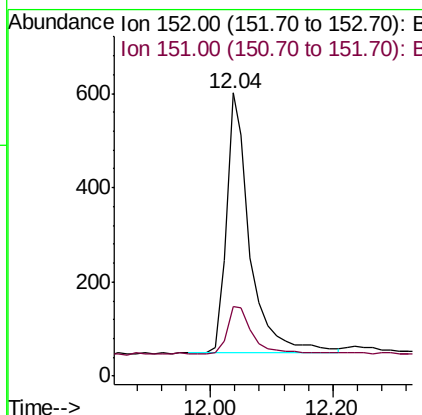
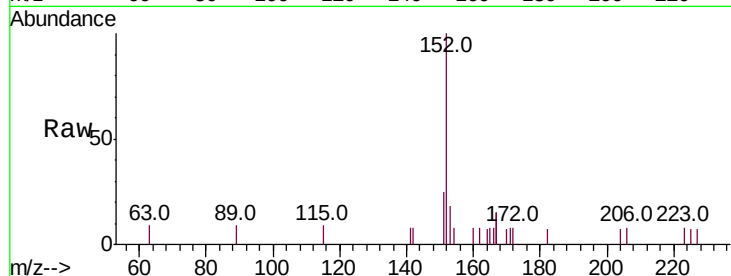




#11
 2-Methylnaphthalene-d10
 Concen: 0.372 ng
 RT: 12.04 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

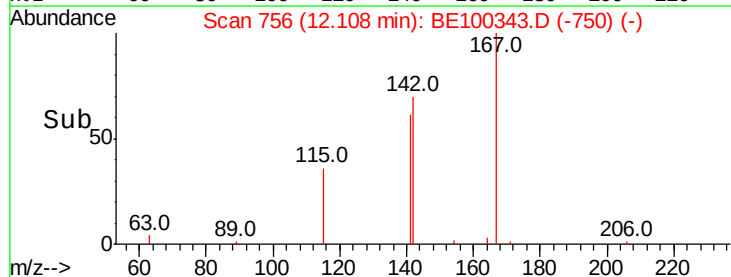
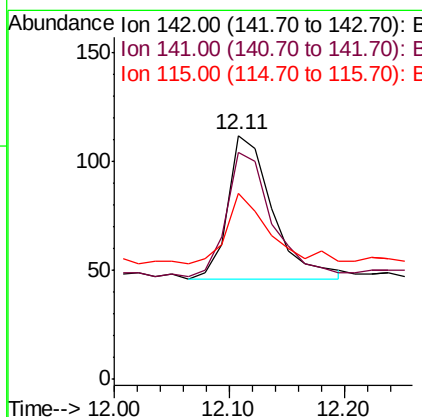
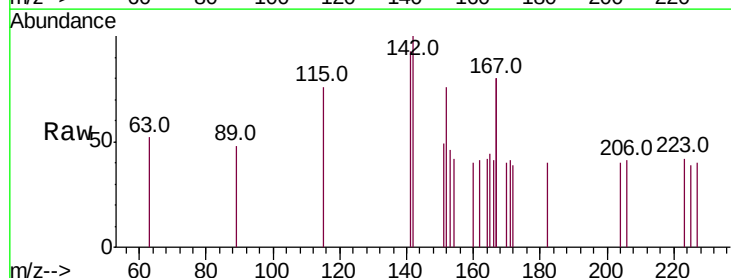
Instrument :
 BNA_E
 ClientSampleId :

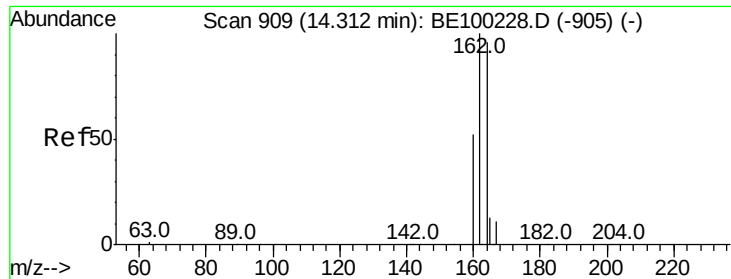
Tot Ion:152 Resp: 1499
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.043 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion:142 Resp: 178
 Ion Ratio Lower Upper
 142 100
 141 92.9 72.4 108.6
 115 75.9 40.4 60.6#

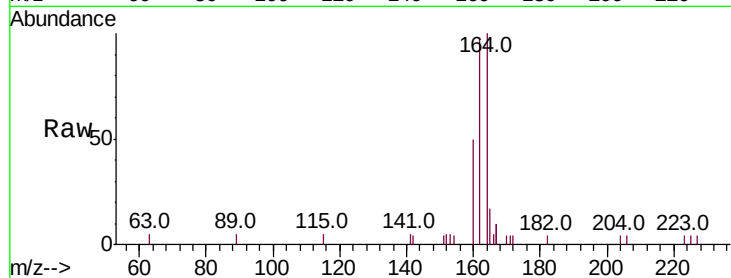




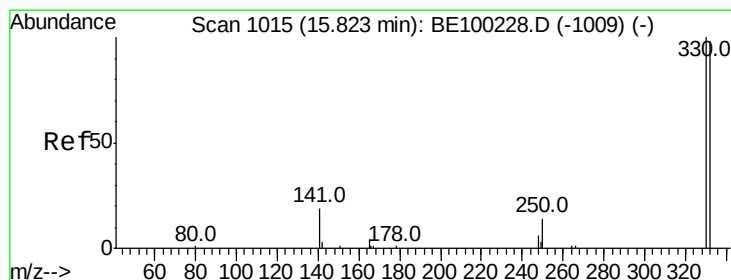
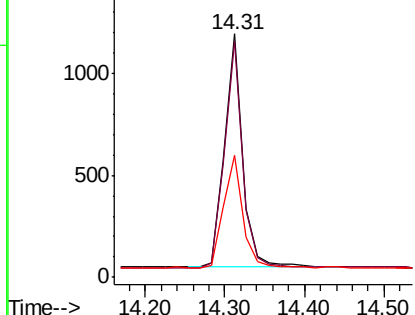
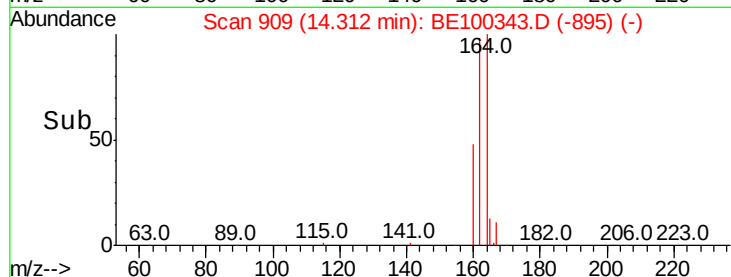
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 1801
Ion Ratio Lower Upper
164 100
162 97.1 83.4 125.0
160 49.9 45.0 67.6

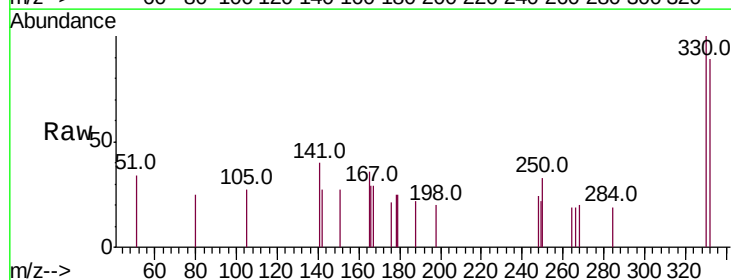


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

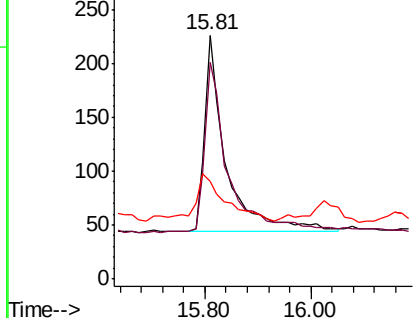
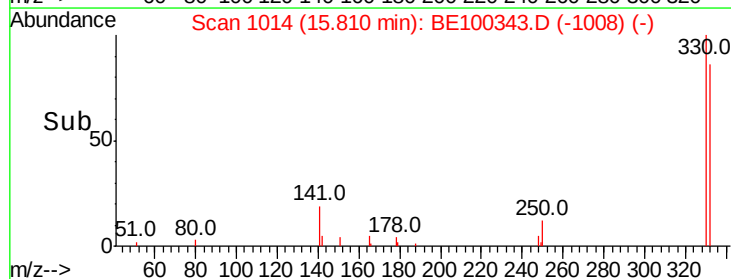


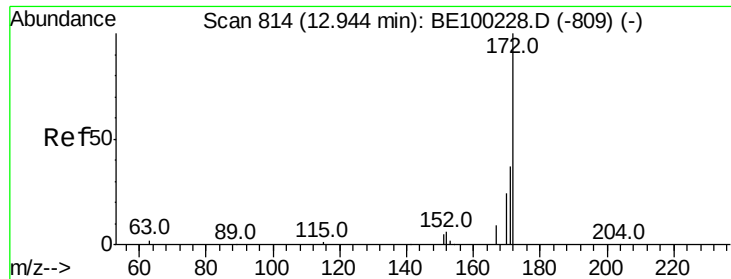
#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:330 Resp: 507
Ion Ratio Lower Upper
330 100
332 94.7 77.0 115.4
141 30.2 22.0 33.0



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

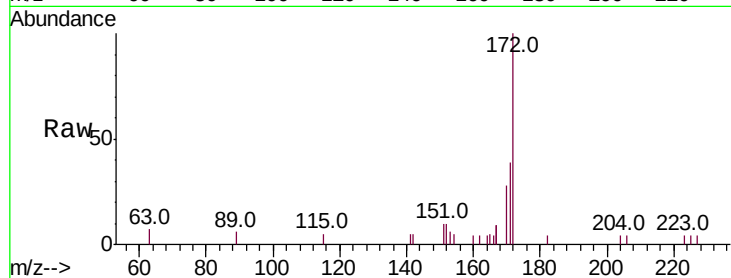




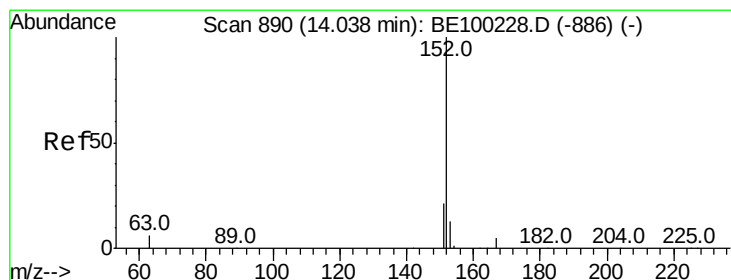
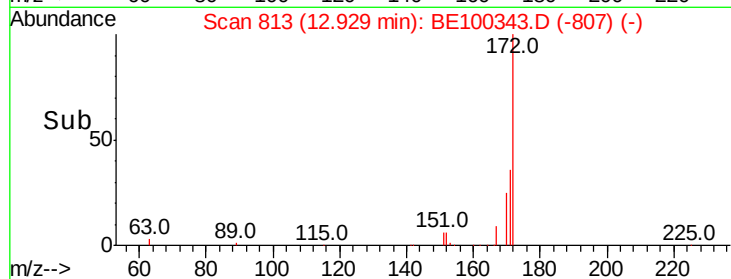
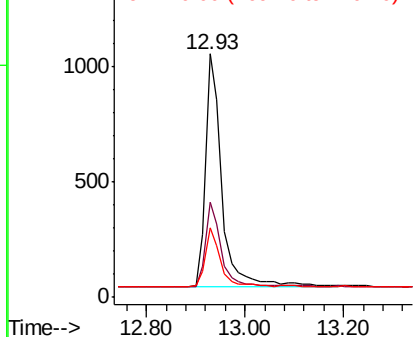
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 2340
Ion Ratio Lower Upper
172 100
171 39.2 31.9 47.9
170 28.3 22.2 33.2

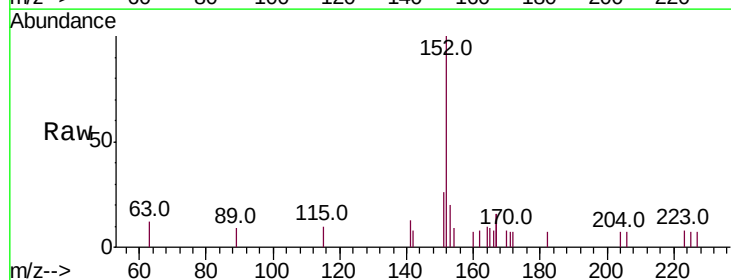


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

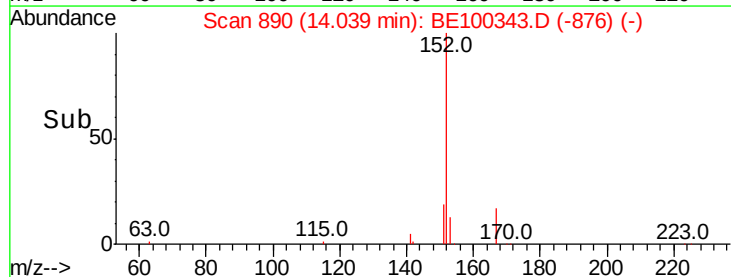
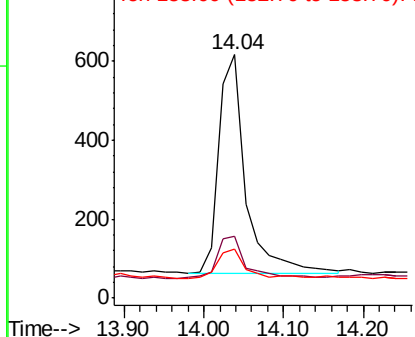


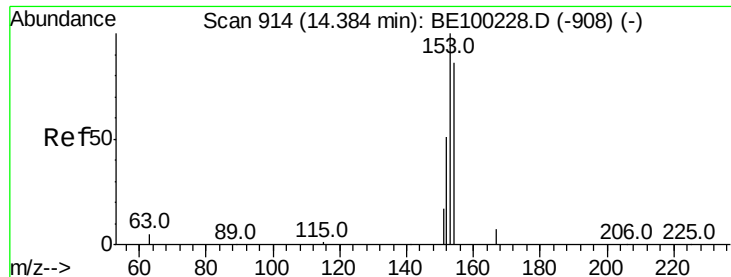
#16
Acenaphthylene
Concen: 0.153 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:152 Resp: 1319
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0
153 14.7 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

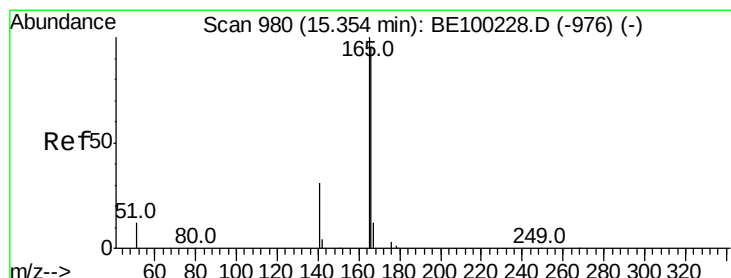
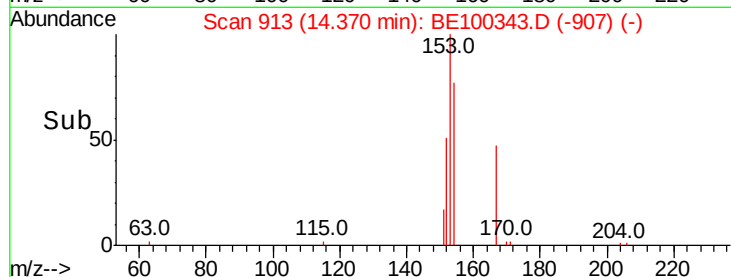
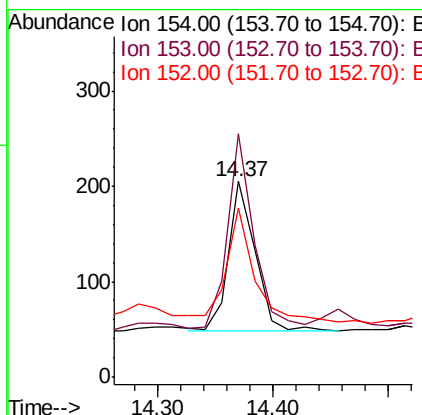
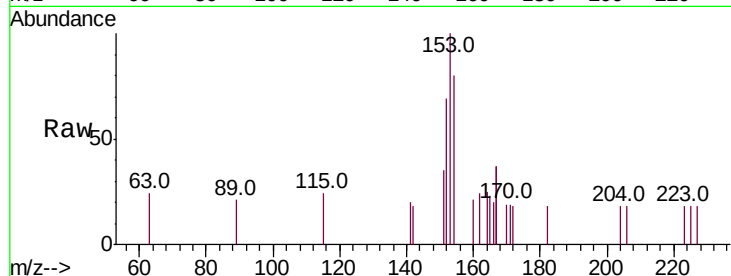




#17
Acenaphthene
Concen: 0.050 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

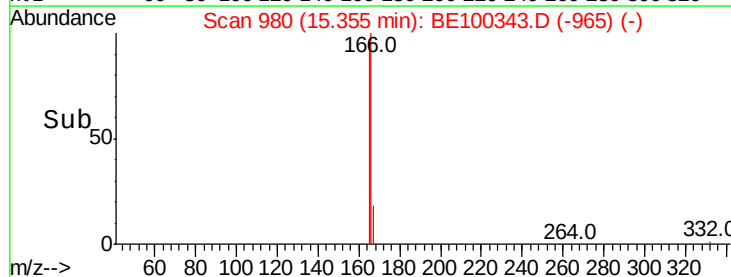
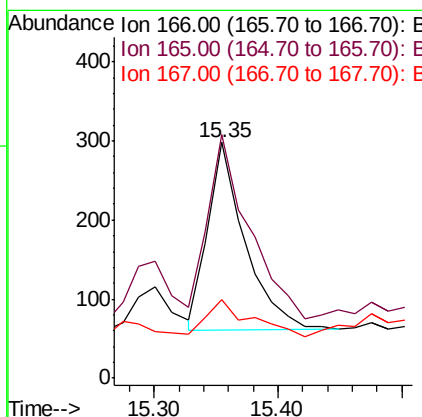
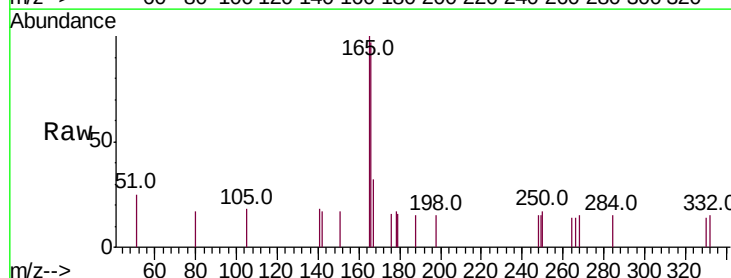
Instrument :
BNA_E
ClientSampleId :

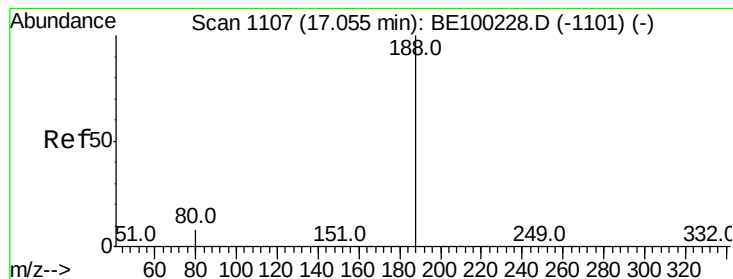
Tot Ion:154 Resp: 247
Ion Ratio Lower Upper
154 100
153 130.4 93.4 140.2
152 81.0 49.4 74.2#



#18
Fluorene
Concen: 0.069 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:166 Resp: 498
Ion Ratio Lower Upper
166 100
165 103.2 81.1 121.7
167 22.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampled :

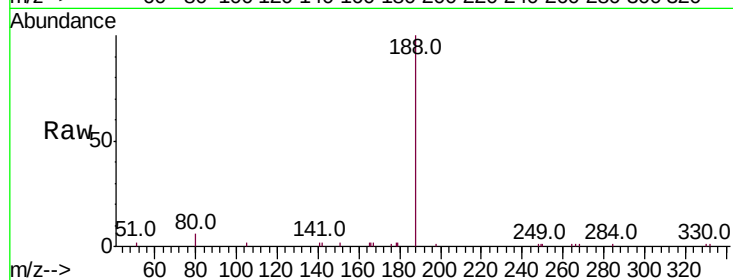
Tot Ion:188 Resp: 5727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

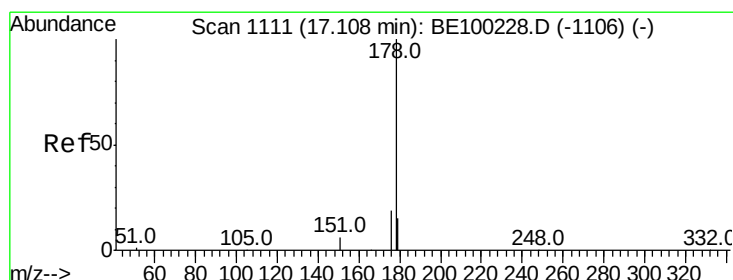
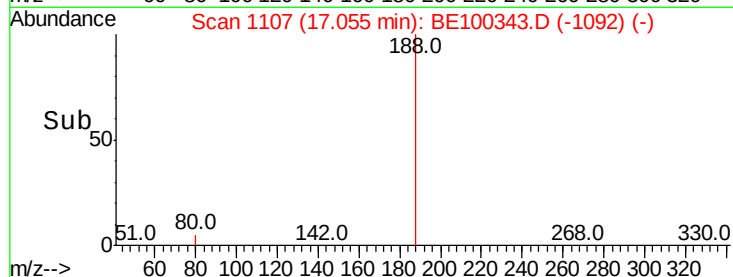
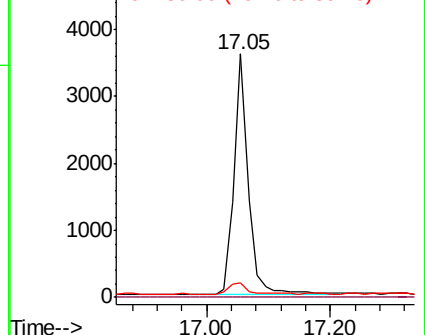
80 6.2 7.6 11.4#



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



#23

Phenanthrene

Concen: 1.109 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

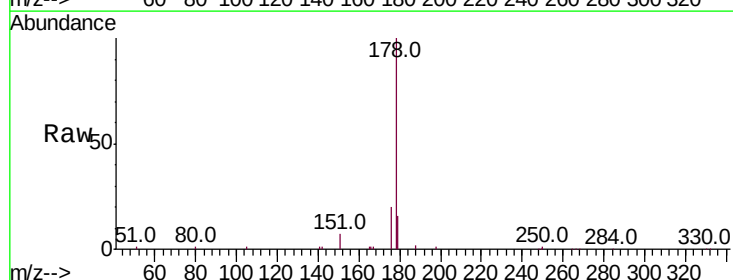
Tgt Ion:178 Resp: 15400

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

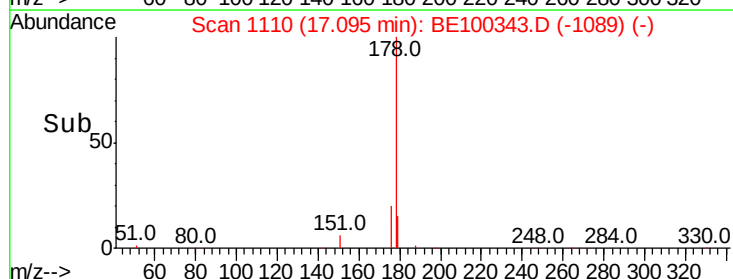
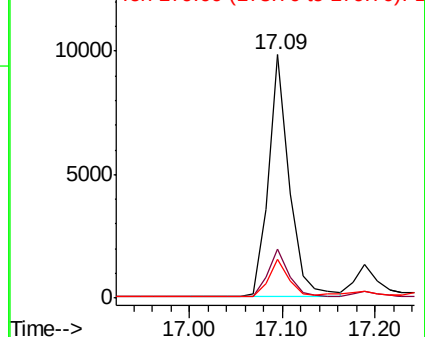
179 15.2 12.2 18.2

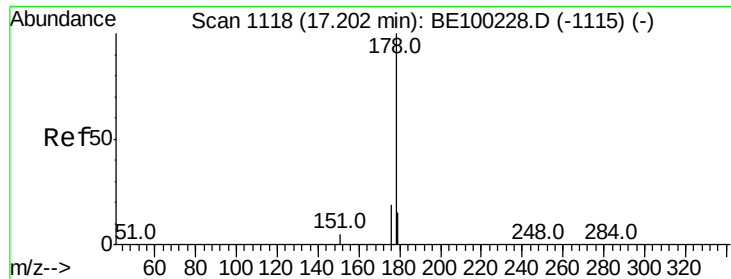


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

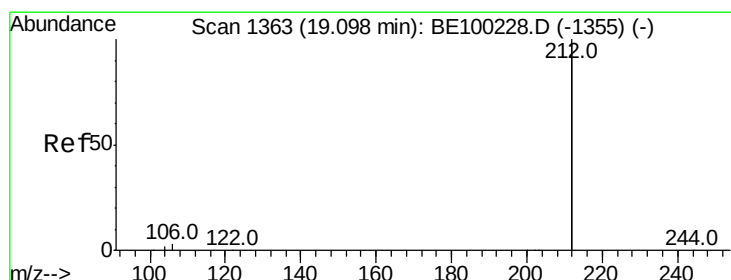
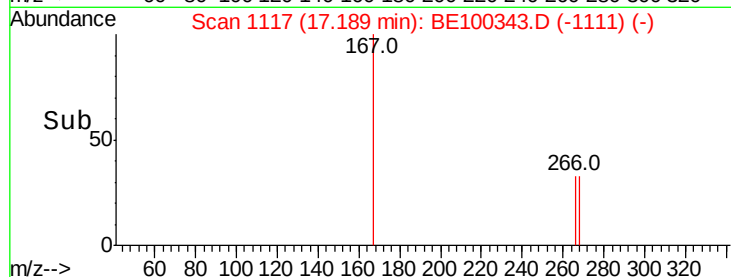
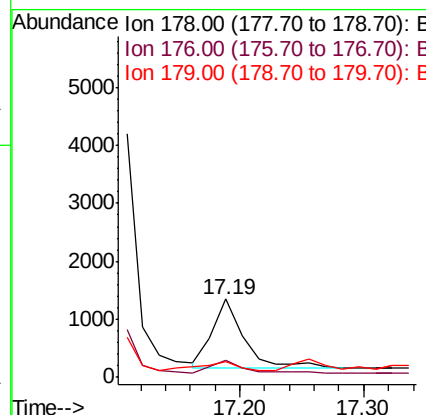
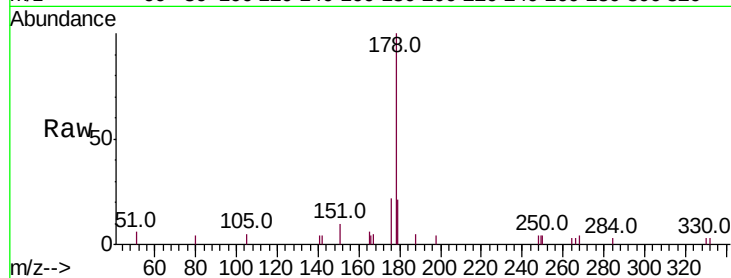




#24
 Anthracene
 Concen: 0.173 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

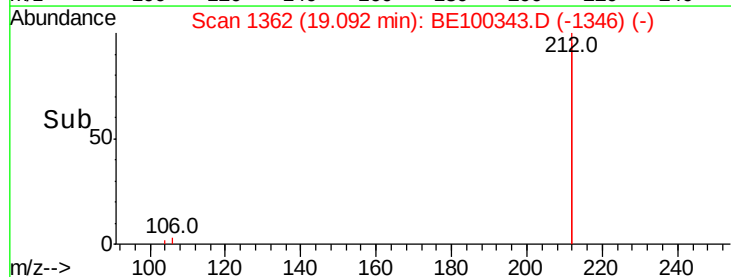
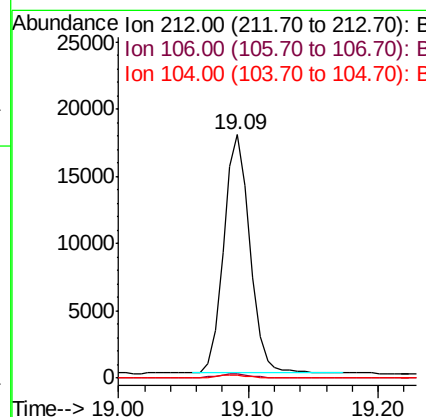
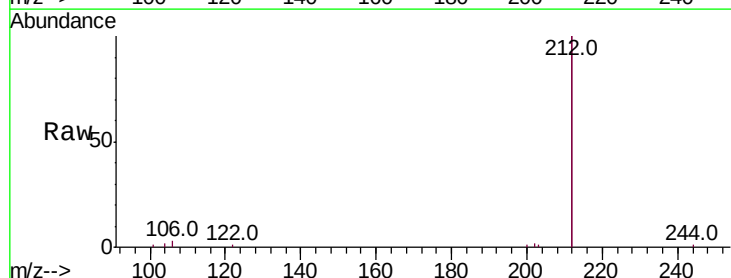
Instrument :
 BNA_E
 ClientSampled :

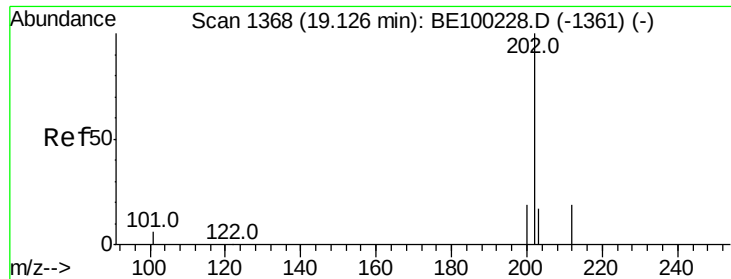
Tot Ion:178 Resp: 2161
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.3 22.9
 179 15.5 12.2 18.2



#25
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion:212 Resp: 24767
 Ion Ratio Lower Upper
 212 100
 106 1.6 1.3 1.9
 104 0.9 0.8 1.2

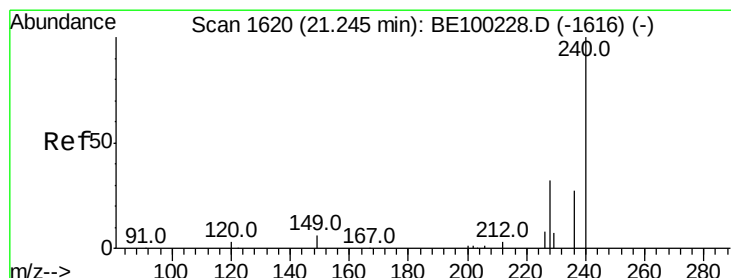
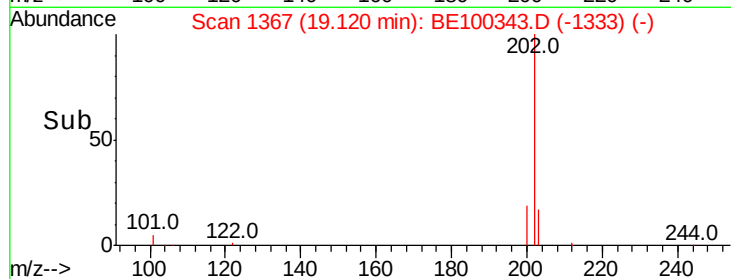
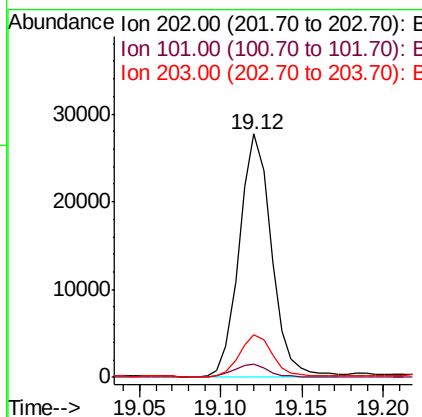
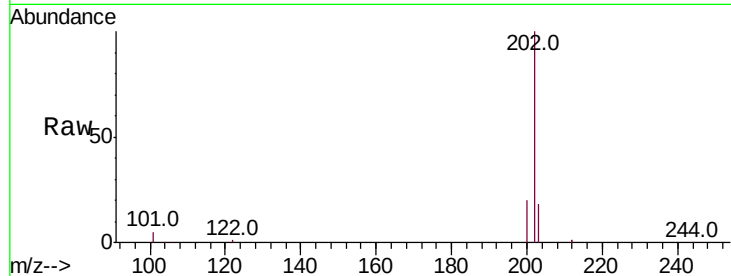




#26
 Fluoranthene
 Concen: 1.718 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

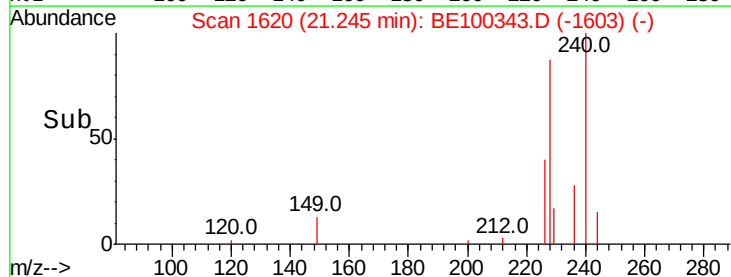
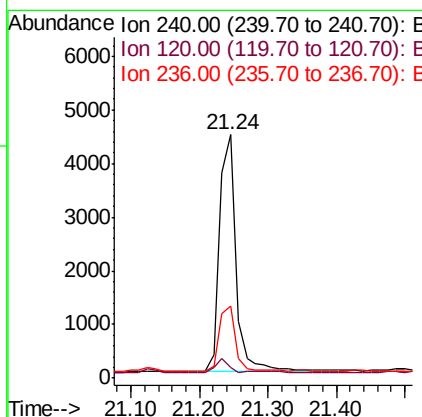
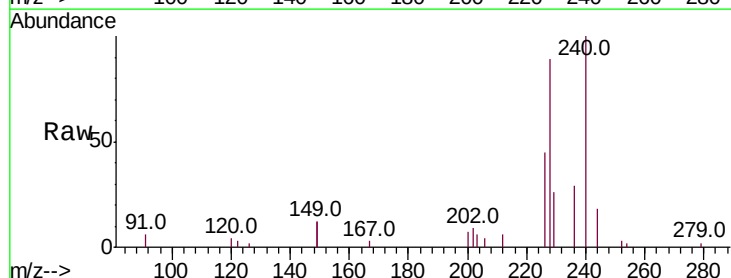
Instrument :
 BNA_E
 ClientSampleId :

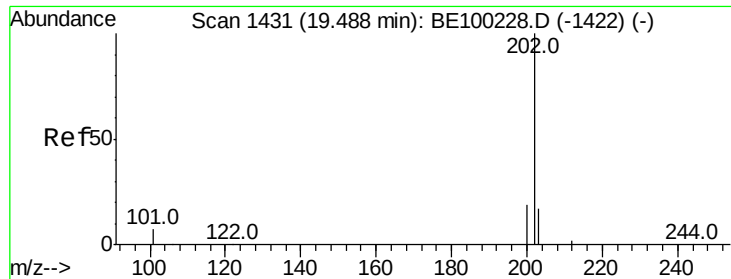
Tot Ion:202 Resp: 37989
 Ion Ratio Lower Upper
 202 100
 101 5.4 4.6 7.0
 203 17.4 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion:240 Resp: 7488
 Ion Ratio Lower Upper
 240 100
 120 4.3 3.3 4.9
 236 29.5 22.6 34.0

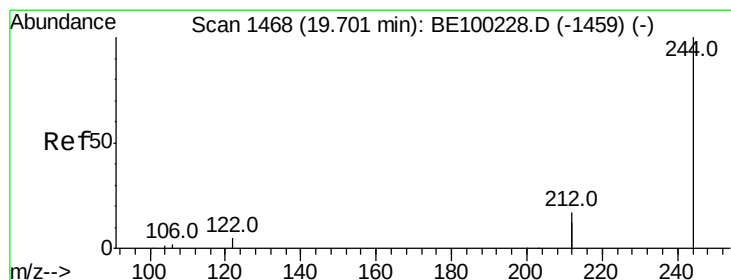
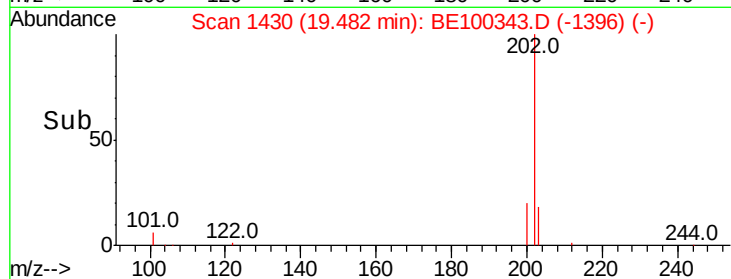
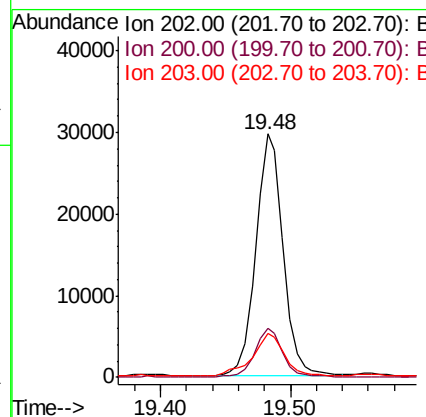
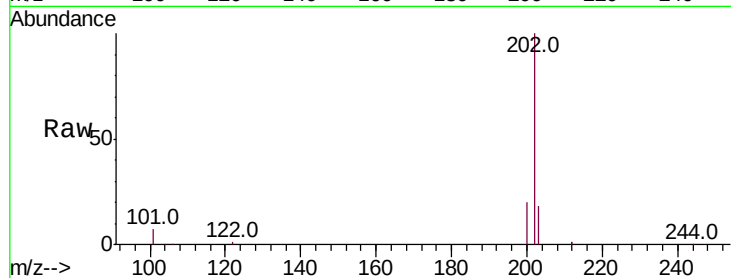




#28
 Pvrene
 Concen: 2.199 ng
 RT: 19.48 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

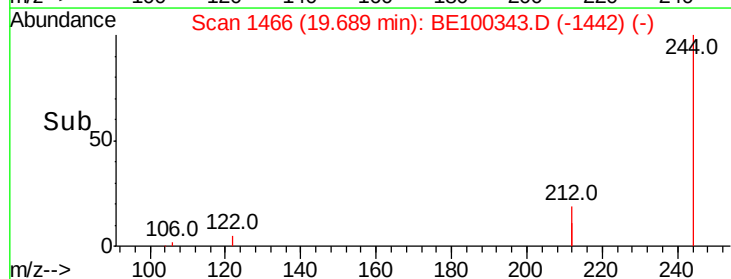
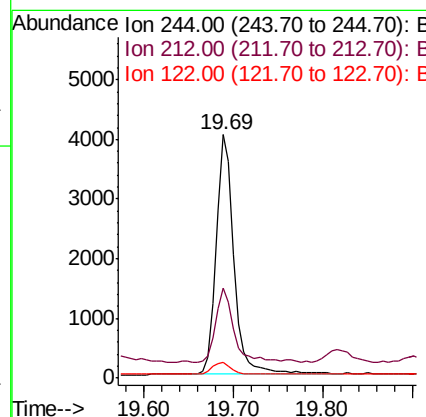
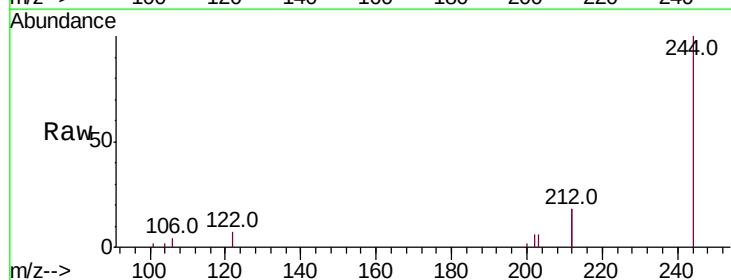
Instrument :
 BNA_E
 ClientSampleId :

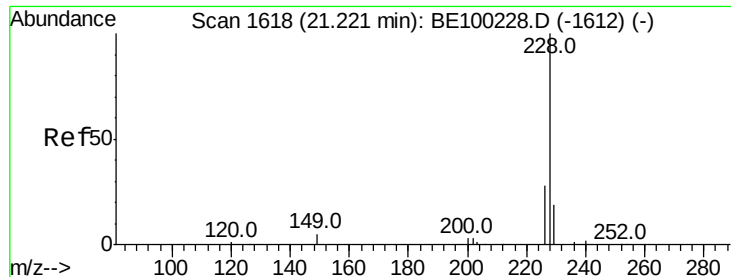
Tot Ion:202 Resp: 43599
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.6 23.4
 203 20.5 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.360 ng
 RT: 19.69 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion:244 Resp: 5587
 Ion Ratio Lower Upper
 244 100
 212 36.8 27.3 40.9
 122 6.6 4.7 7.1





#30

Benzo(a)anthracene

Concen: 0.991 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampleId :

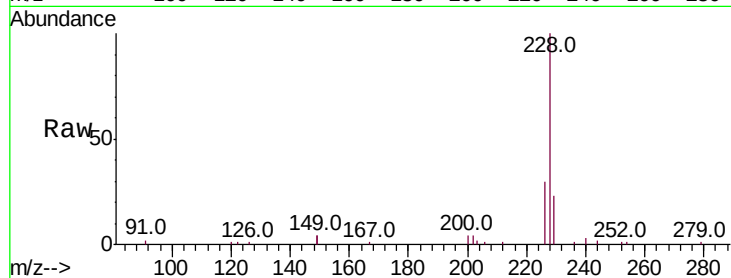
Tot Ion:228 Resp: 24390

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

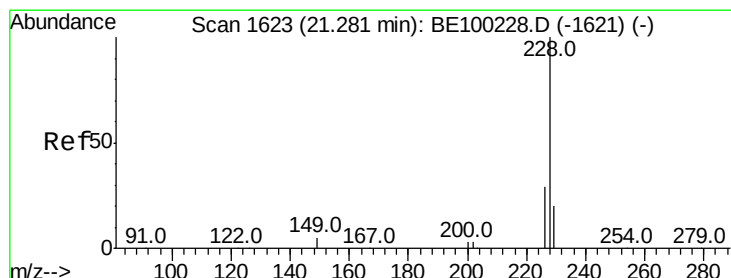
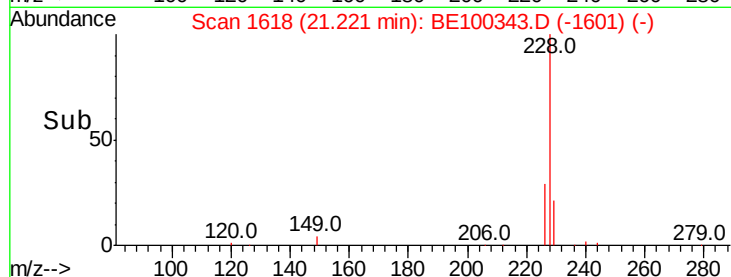
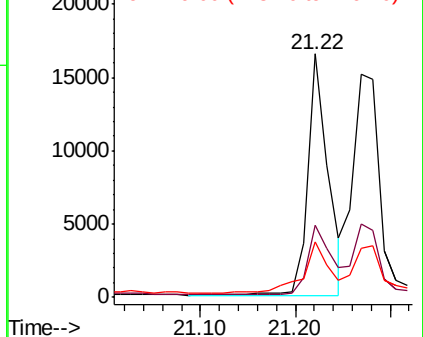
229 22.6 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 1.149 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

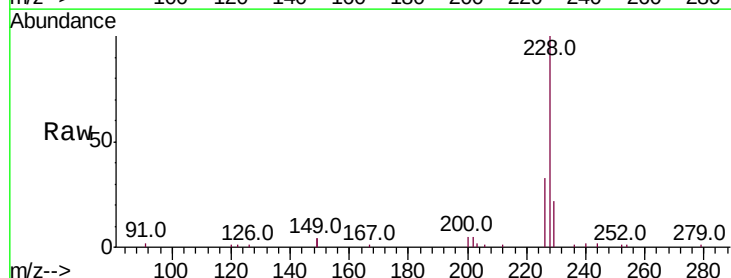
Tgt Ion:228 Resp: 28412

Ion Ratio Lower Upper

228 100

226 33.0 23.9 35.9

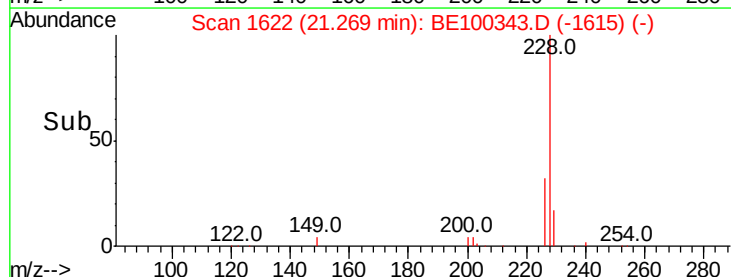
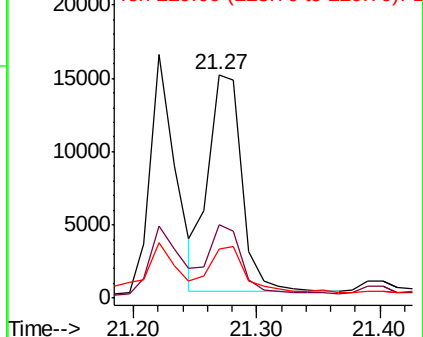
229 22.1 16.5 24.7

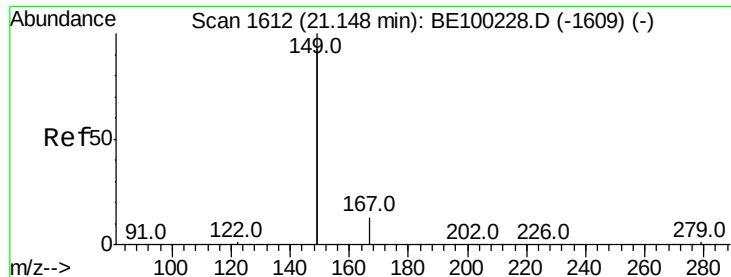


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.069 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampleId :

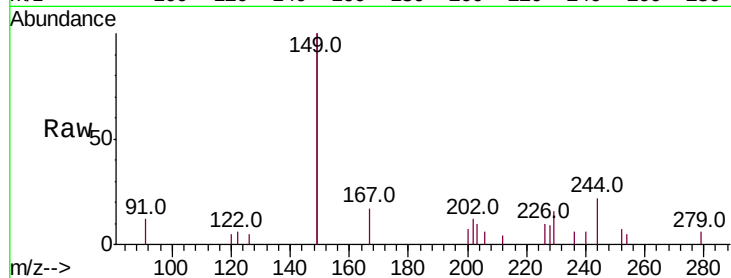
Tot Ion:149 Resp: 4411

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.8

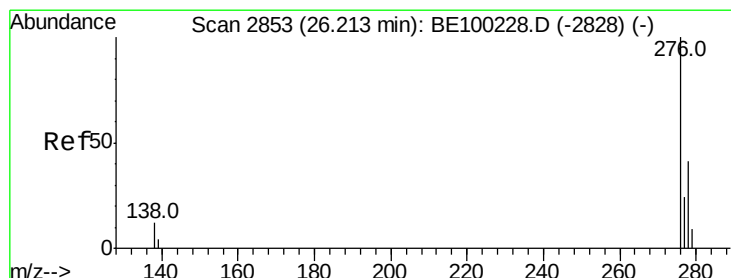
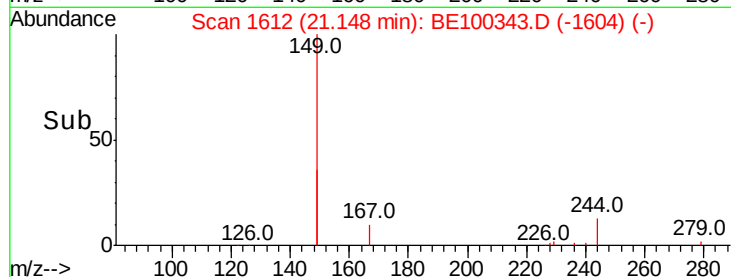
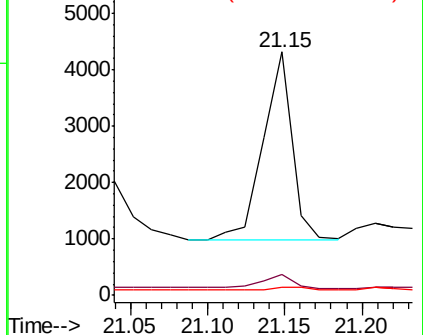
279 2.1 1.1 1.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng

RT: 26.21 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

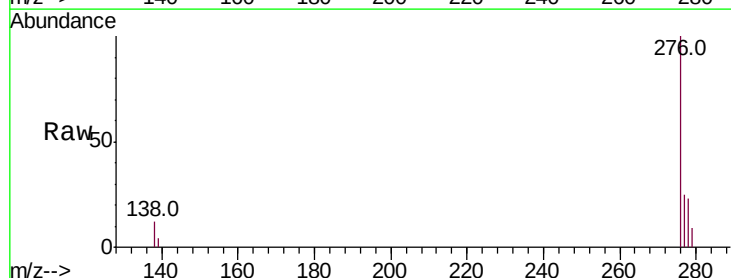
Tgt Ion:276 Resp: 14222

Ion Ratio Lower Upper

276 100

138 9.4 9.4 14.0#

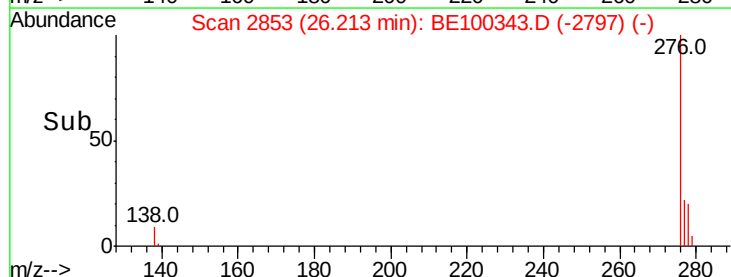
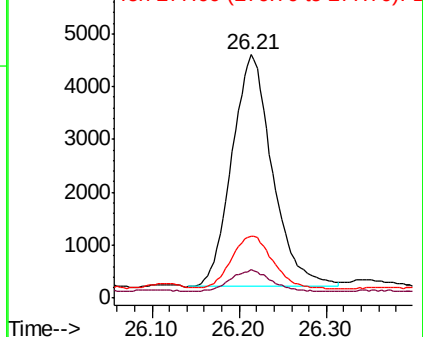
277 23.3 19.2 28.8

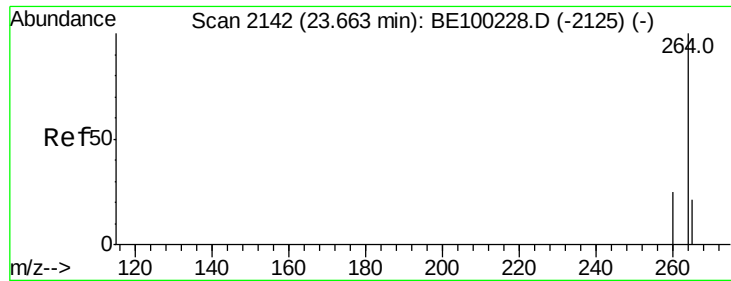


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

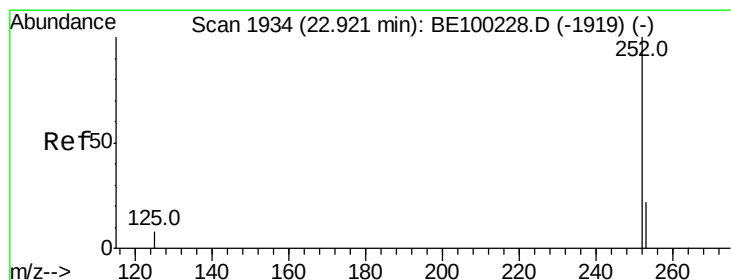
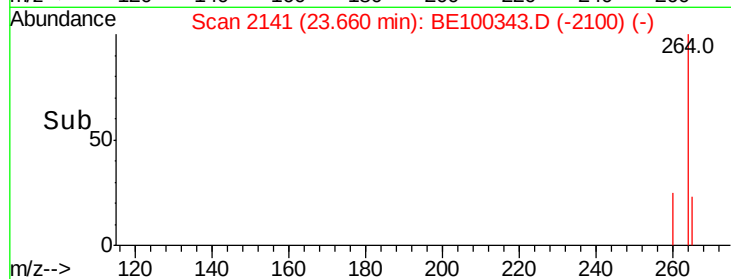
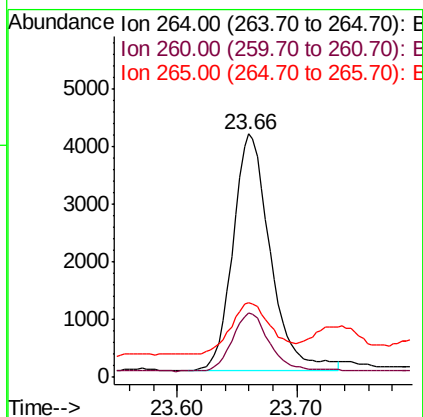
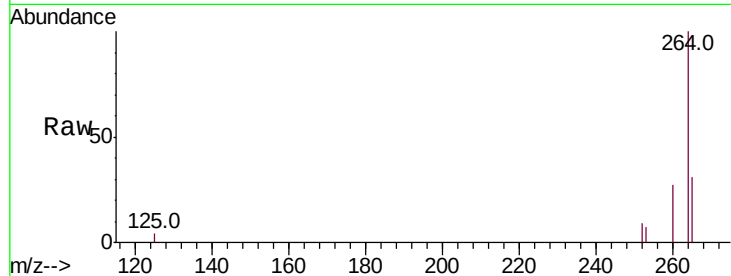




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

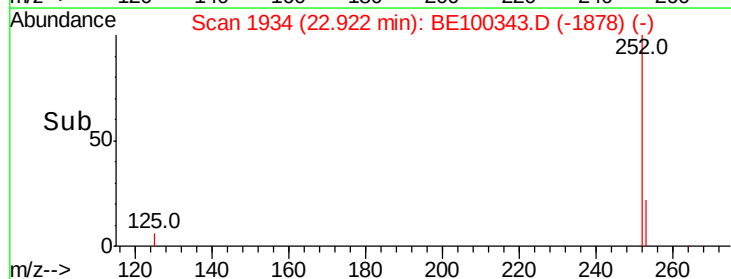
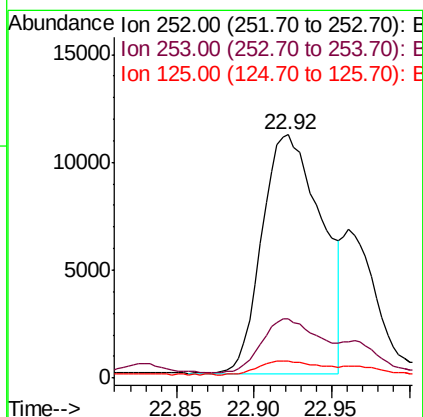
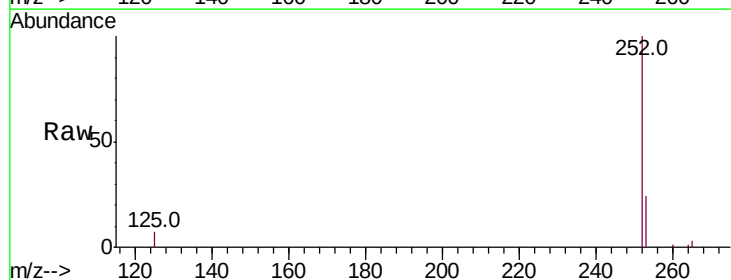
Instrument :
BNA_E
ClientSampled :

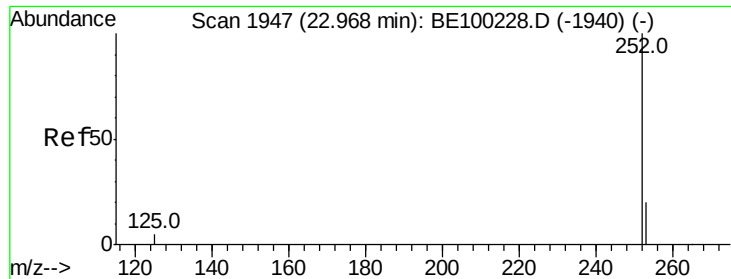
Tot Ion:264 Resp: 8894
Ion Ratio Lower Upper
264 100
260 26.6 20.8 31.2
265 30.9 21.8 32.6



#35
Benzo(b)fluoranthene
Concen: 1.219 ng
RT: 22.92 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:252 Resp: 29392
Ion Ratio Lower Upper
252 100
253 24.1 19.2 28.8
125 7.2 7.4 11.0#

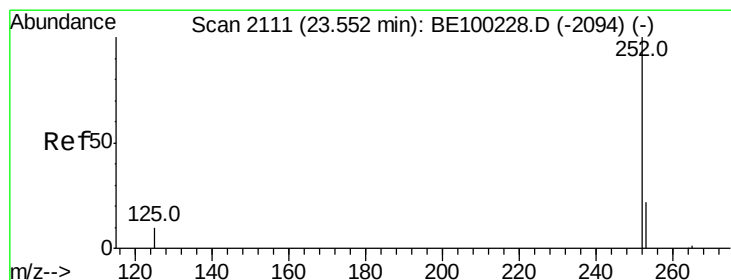
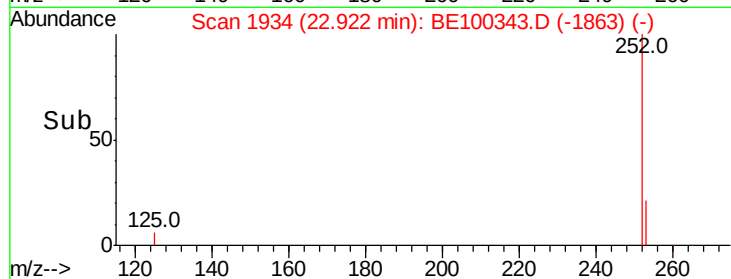
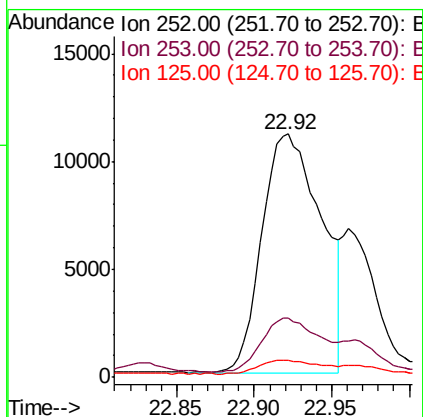
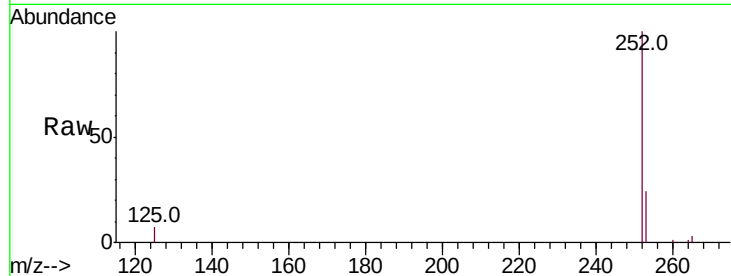




#36
Benzo(k)fluoranthene
Concen: 1.092 ng
RT: 22.92 min Scan# 1934
Delta R.T. -0.05 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

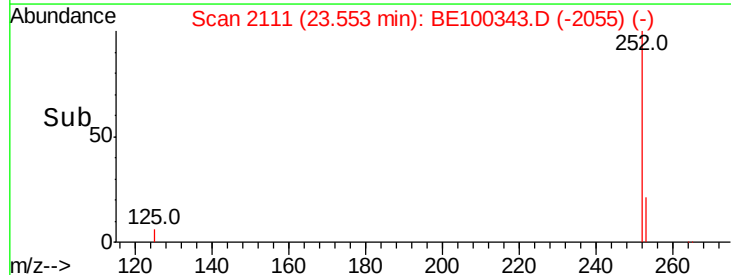
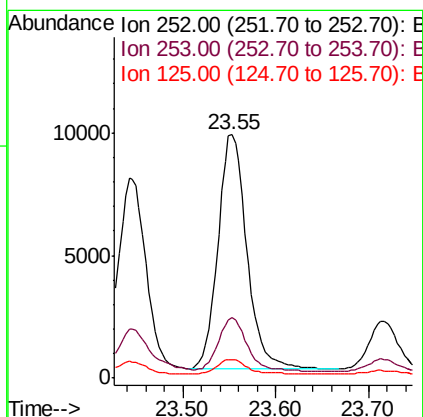
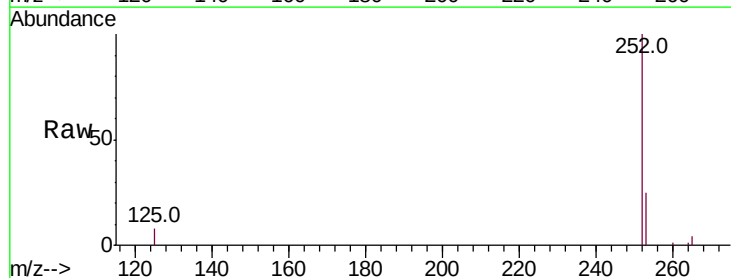
Instrument :
BNA_E
ClientSampleId :

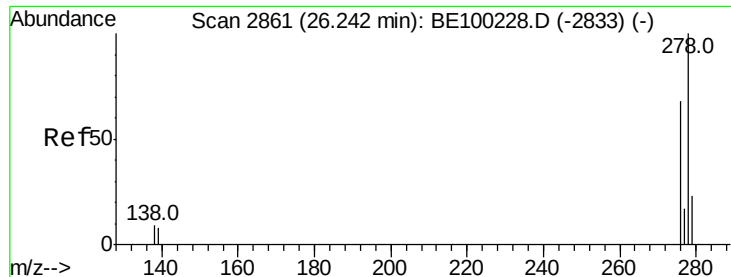
Tot Ion:252 Resp: 29392
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 7.2 5.0 7.4



#37
Benzo(a)pyrene
Concen: 0.859 ng
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:252 Resp: 20758
Ion Ratio Lower Upper
252 100
253 24.9 19.6 29.4
125 7.8 9.0 13.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.143 ng

RT: 26.22 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

ClientSampleId :

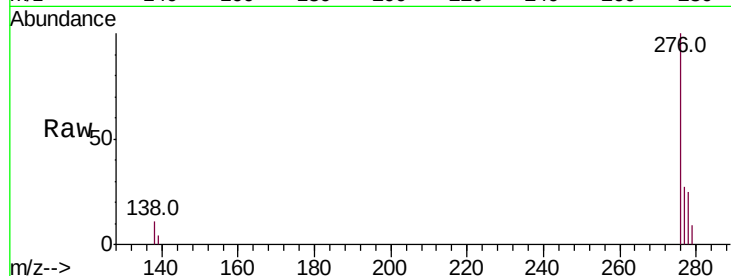
Tot Ion:278 Resp: 3597

Ion Ratio Lower Upper

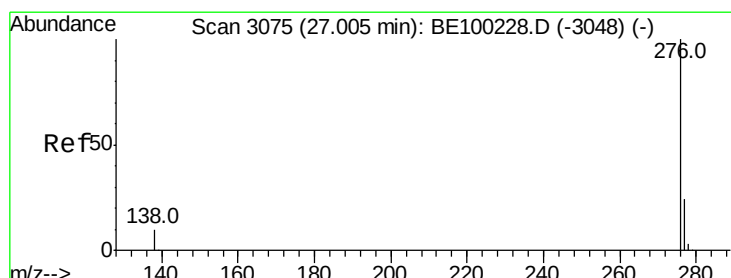
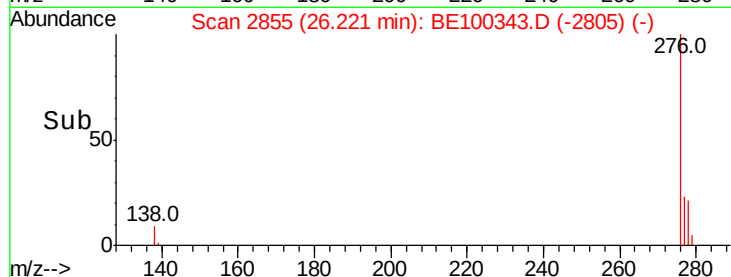
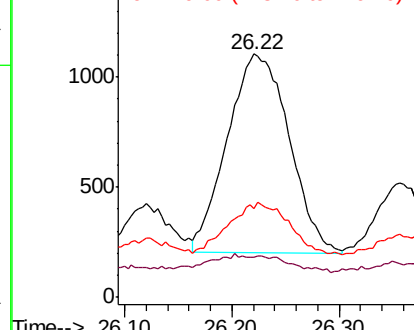
278 100

139 16.5 8.2 12.2#

279 36.6 20.3 30.5#



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: 0.609 ng

RT: 27.01 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

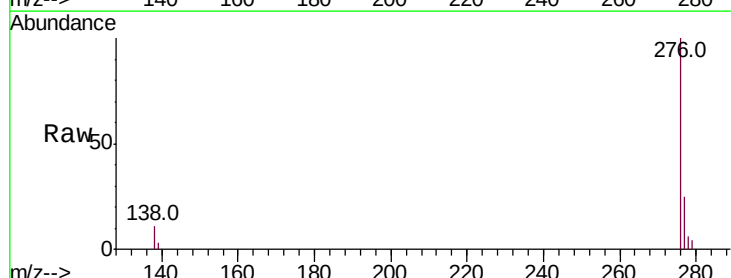
Tgt Ion:276 Resp: 15783

Ion Ratio Lower Upper

276 100

277 25.0 20.2 30.2

138 11.4 9.0 13.6



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

