

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE092319\
 Data File : BE100542.D
 Acq On : 23 Sep 2019 16:32
 Operator : HP/JU
 Sample : K4883-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 23 17:17:23 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Sep 20 18:26:17 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	5678	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	24691	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	13843	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	30647	0.40	ng	0.00
27) Chrysene-d12	21.37	240	39471	0.40	ng	0.00
34) Perylene-d12	23.83	264	45724	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.44	112	2605	0.20	ng	0.00
5) Phenol-d6	7.02	99	2007	0.11	ng	0.00
8) Nitrobenzene-d5	9.00	82	5666	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	16042	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	924	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	22456	0.45	ng	0.00
25) Fluoranthene-d10	19.22	212	192378	0.53	ng	0.00
29) Terphenyl-d14	19.82	244	50095	0.54	ng	0.00

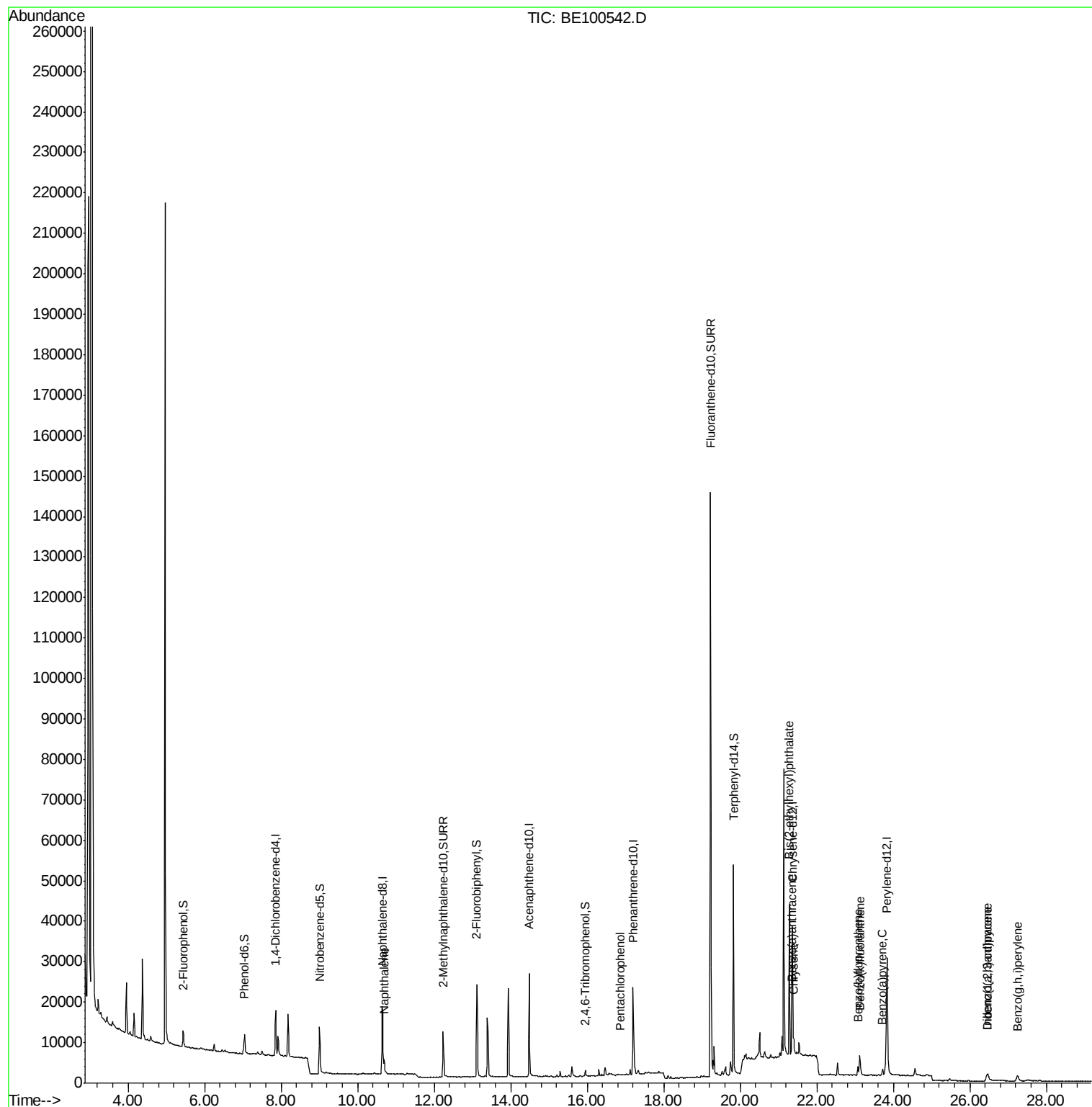
Target Compounds

						Qvalue
9) Naphthalene	10.69	128	5875	0.023	ng	# 96
22) Pentachlorophenol	16.85	266	74	0.197	ng	# 77
30) Benzo(a)anthracene	21.34	228	2622	0.025	ng	# 90
31) Chrysene	21.40	228	2961	0.025	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.28	149	41272	0.363	ng	100
33) Indeno(1,2,3-cd)pyrene	26.44	276	3465	0.026	ng	96
35) Benzo(b)fluoranthene	23.07	252	3202	0.026	ng	# 65
36) Benzo(k)fluoranthene	23.12	252	4006	0.028	ng	# 1
37) Benzo(a)pyrene	23.72	252	2651	0.023	ng	# 57
38) Dibenzo(a,h)anthracene	26.47	278	2528	0.021	ng	# 74
39) Benzo(g,h,i)perylene	27.24	276	3496	0.028	ng	# 85

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

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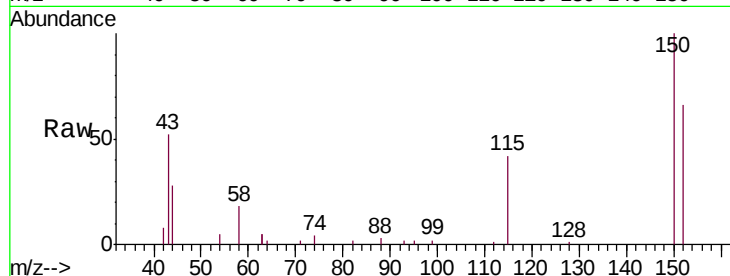




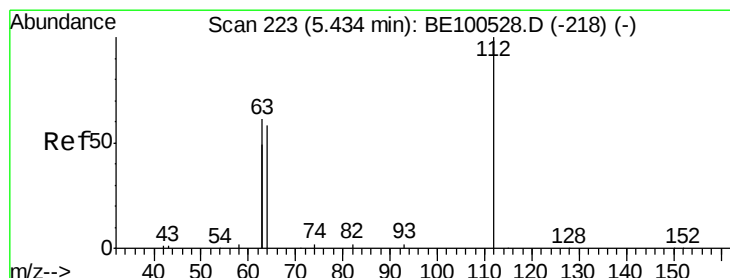
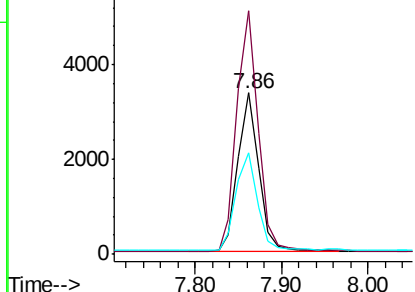
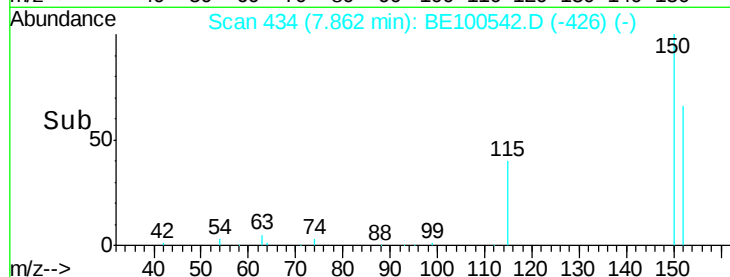
#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

Tgt Ion:152 Resp: 5678
Ion Ratio Lower Upper
152 100
150 151.1 121.6 182.4
115 62.8 48.2 72.4



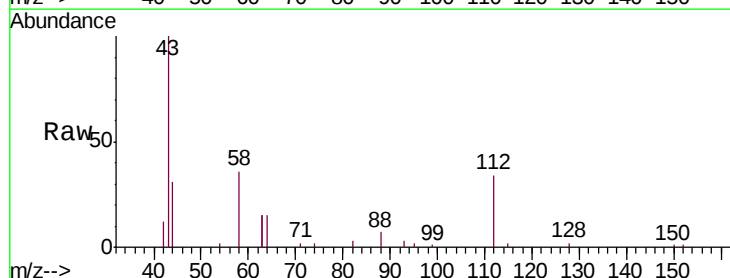
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



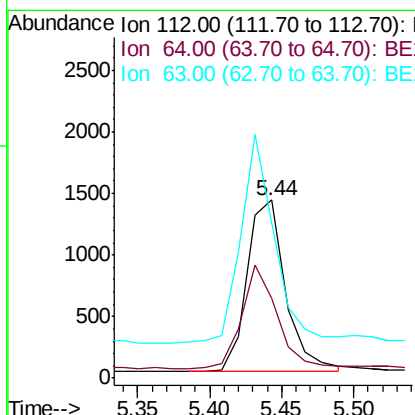
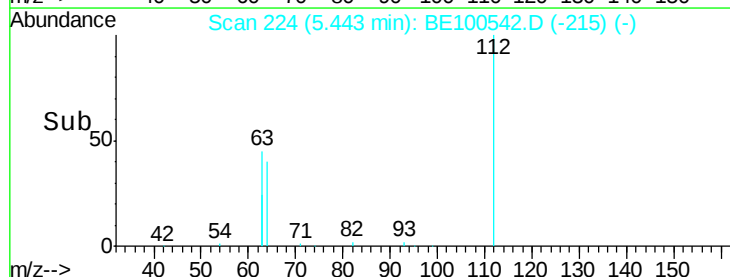
#4

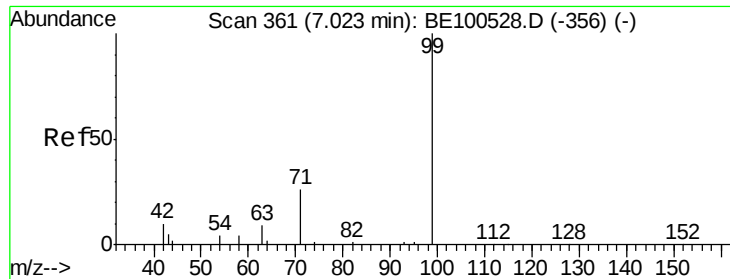
2-Fluorophenol
Concen: 0.196 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.01 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

Tgt Ion:112 Resp: 2605
Ion Ratio Lower Upper
112 100
64 56.1 44.1 66.1
63 105.3 86.5 129.7



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: 0.110 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

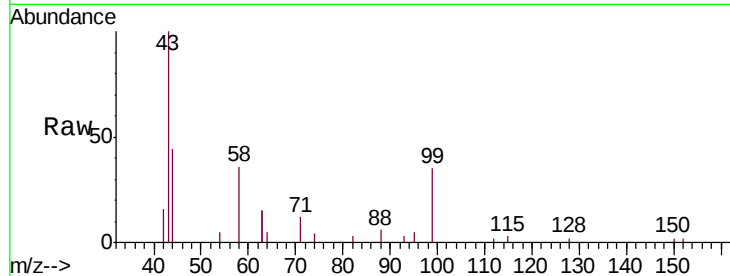
Tgt Ion: 99 Resp: 2007

Ion Ratio Lower Upper

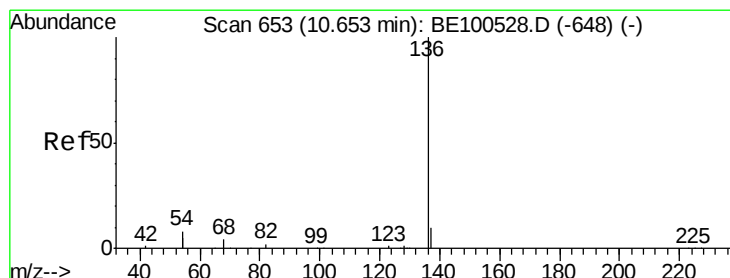
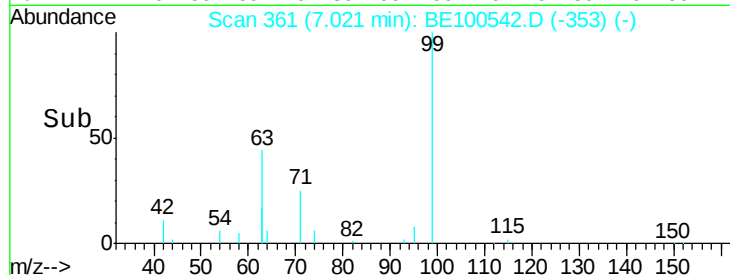
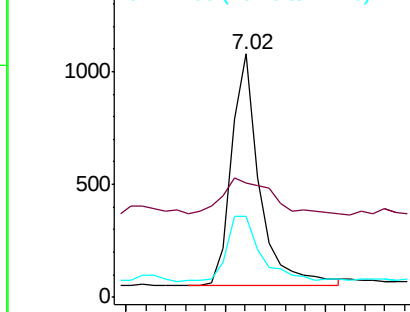
99 100

42 27.9 13.0 19.6#

71 35.7 23.4 35.0#



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: BE100542.D

Acq: 23 Sep 2019 16:32

Tgt Ion: 136 Resp: 24691

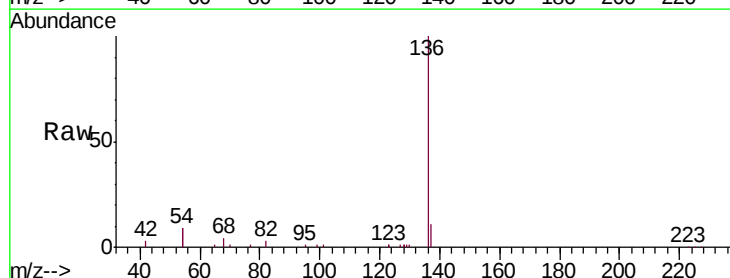
Ion Ratio Lower Upper

136 100

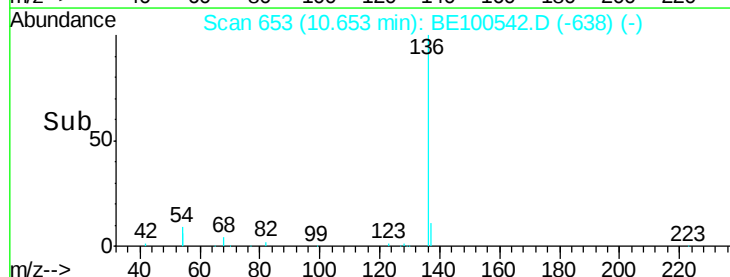
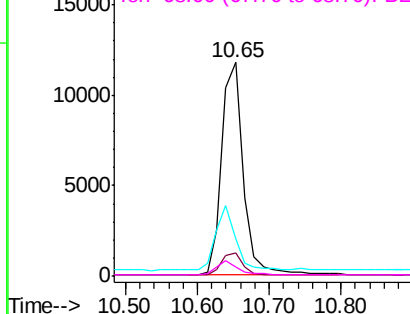
137 11.1 8.6 13.0

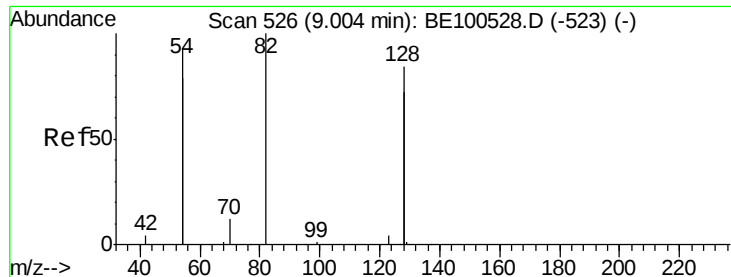
54 17.4 12.4 18.6

68 4.2 3.3 4.9



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: 0.398 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

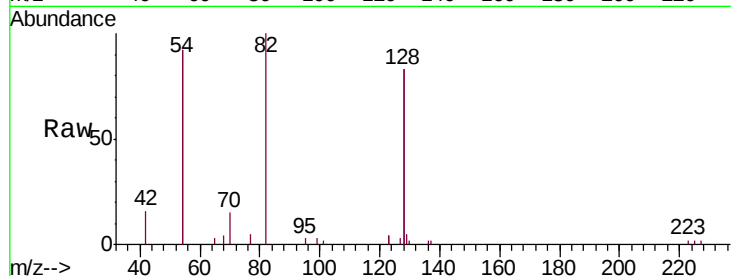
Tgt Ion: 82 Resp: 5666

Ion Ratio Lower Upper

82 100

128 165.4 129.4 194.2

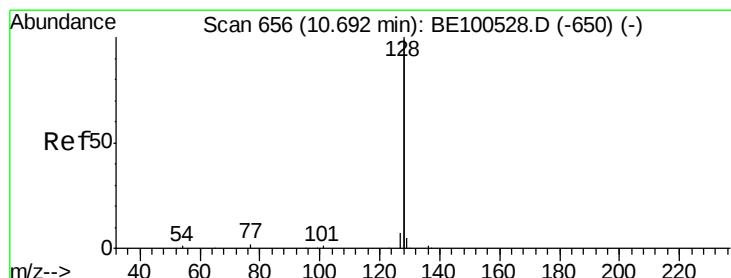
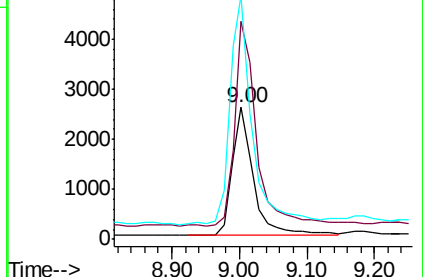
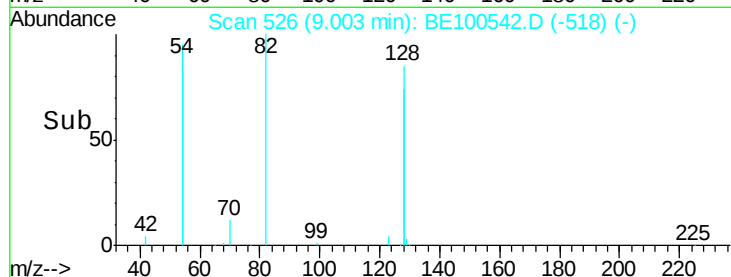
54 184.6 143.3 214.9



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



#9

Naphthalene

Concen: 0.023 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

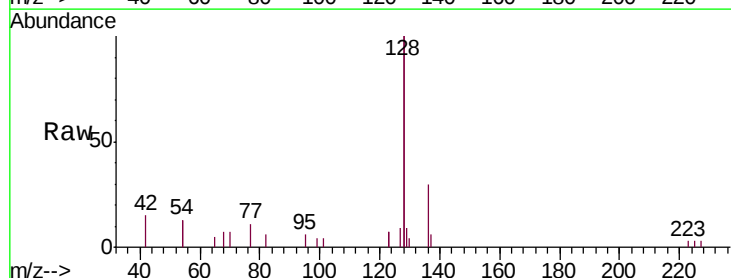
Tgt Ion: 128 Resp: 5875

Ion Ratio Lower Upper

128 100

129 4.7 2.2 3.4#

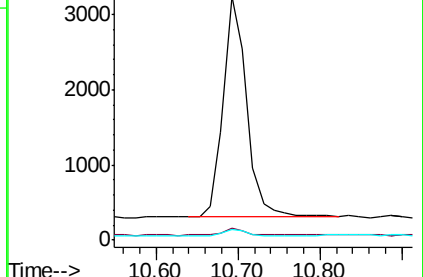
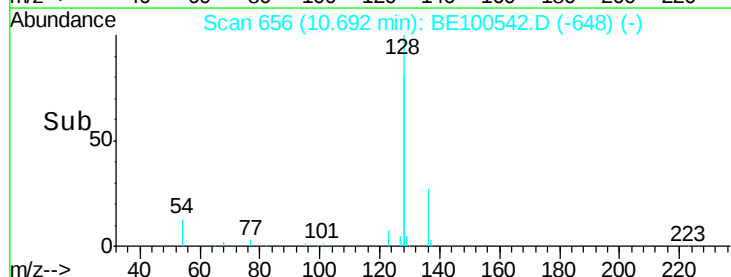
127 4.5 2.7 4.1#

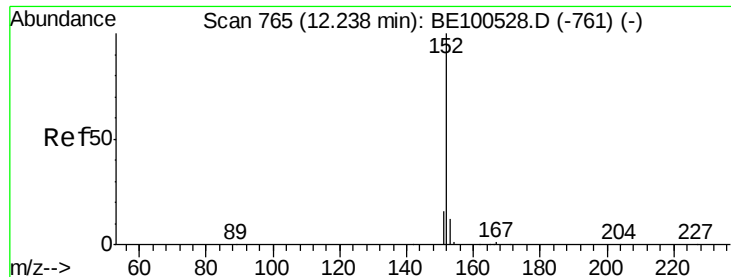


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

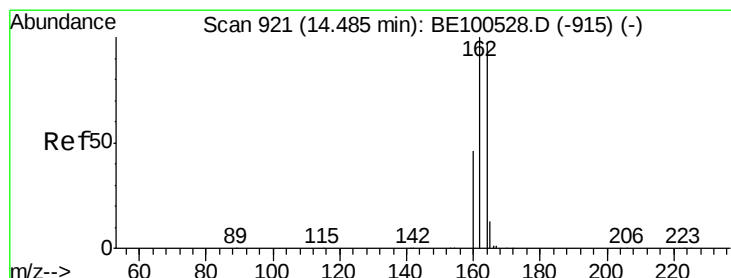
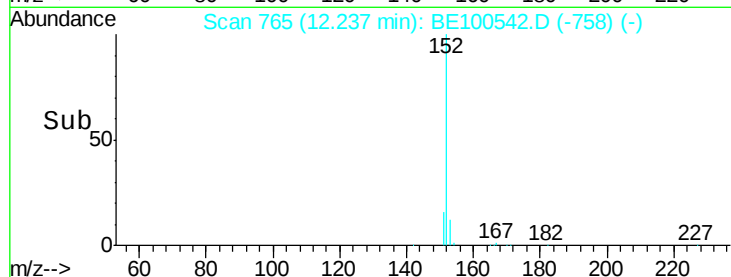
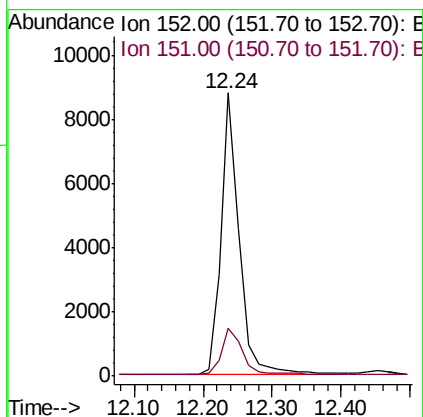
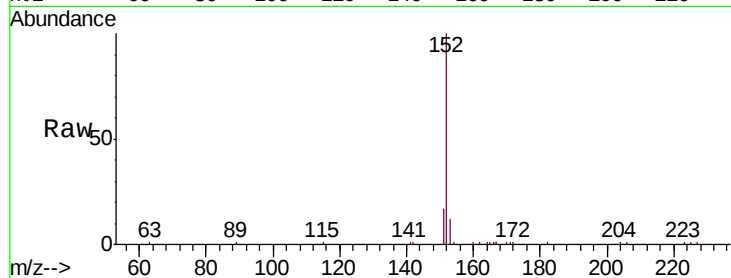
Ion 127.00 (126.70 to 127.70): E





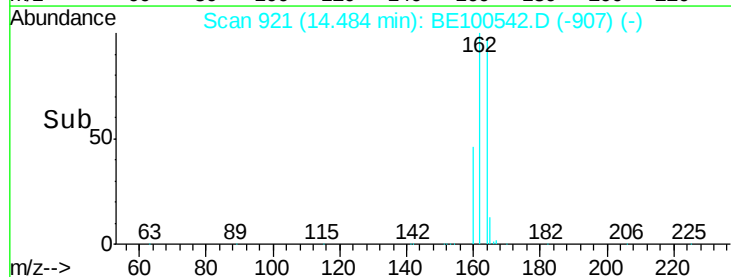
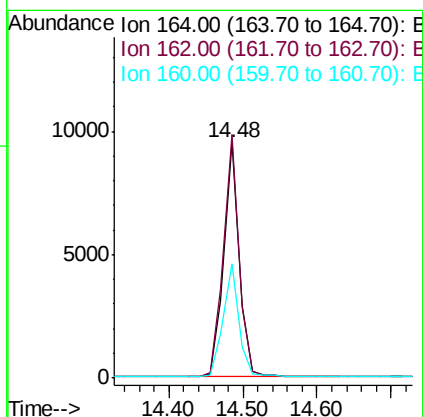
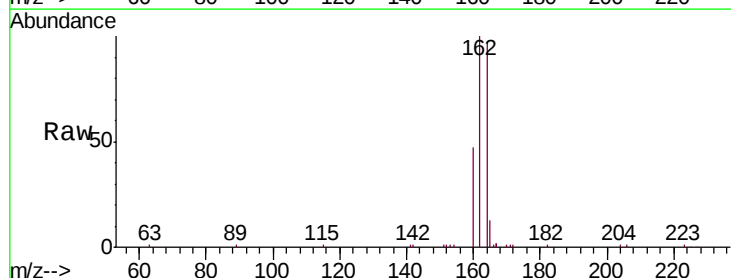
#11
2-Methylnaphthalene-d10
Concen: 0.434 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

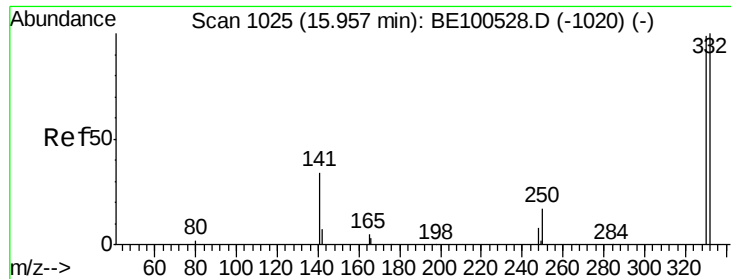
Tgt Ion: 152 Resp: 16042
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

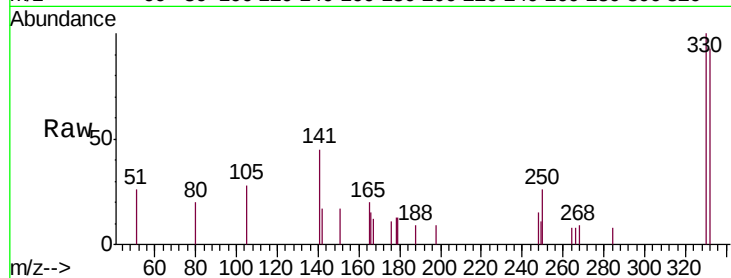
Tgt Ion: 164 Resp: 13843
Ion Ratio Lower Upper
164 100
162 103.4 82.1 123.1
160 48.3 37.6 56.4



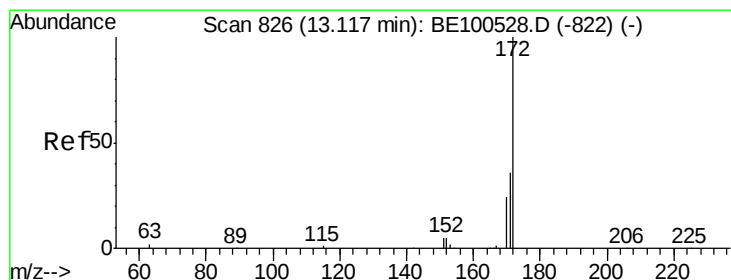
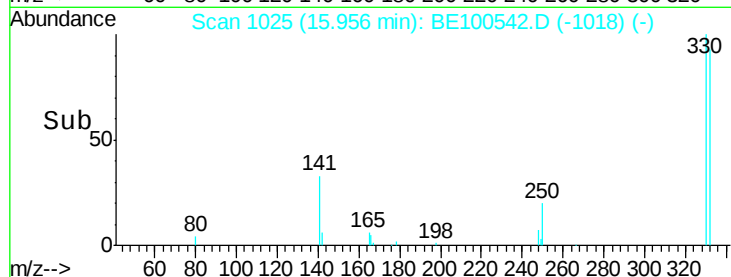
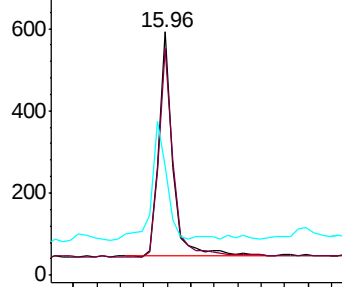


#14
 2,4,6-Tribromophenol
 Concen: 0.413 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE100542.D
 Acq: 23 Sep 2019 16:32

Tgt Ion: 330 Resp: 924
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.5 113.3
 141 54.3 42.3 63.5

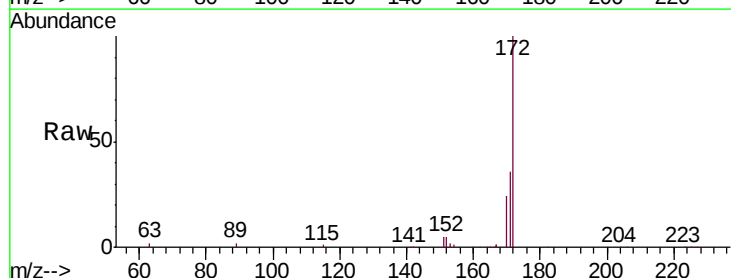


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

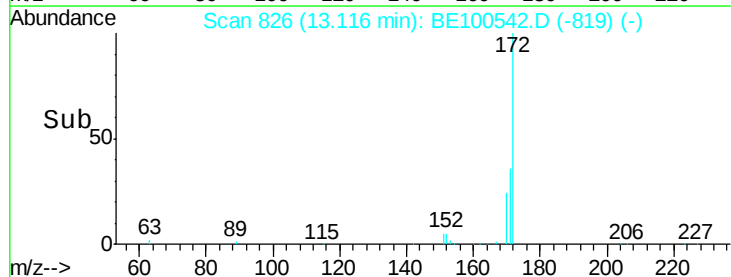
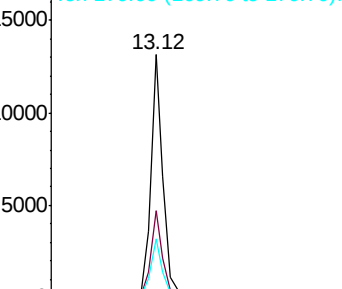


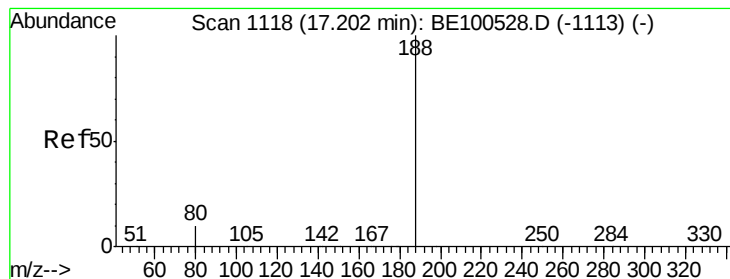
#15
 2-Fluorobiphenyl
 Concen: 0.454 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE100542.D
 Acq: 23 Sep 2019 16:32

Tgt Ion: 172 Resp: 22456
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.8 43.2
 170 24.1 19.4 29.0



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

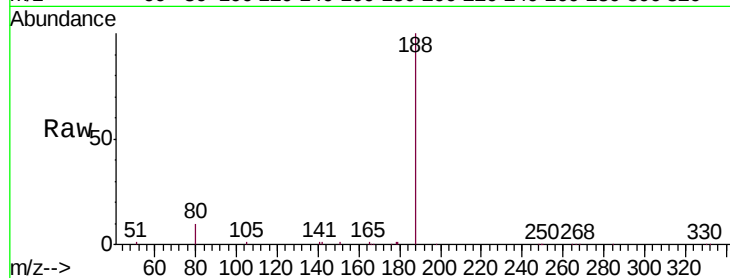
Tgt Ion:188 Resp: 30647

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

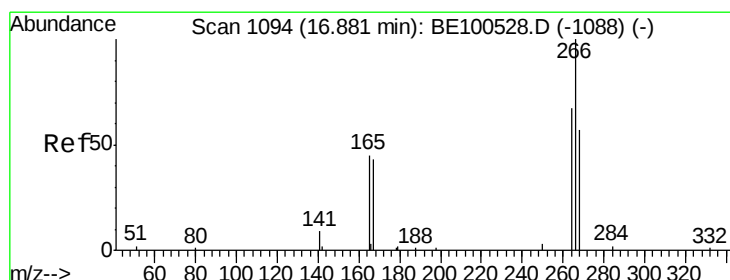
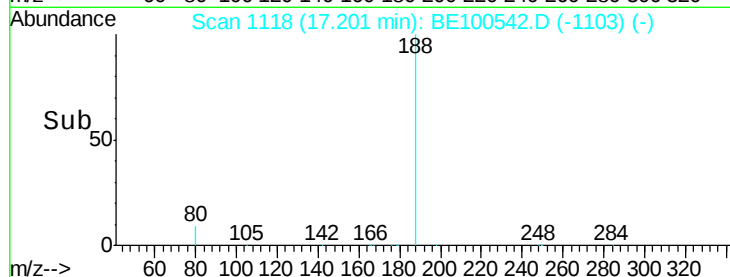
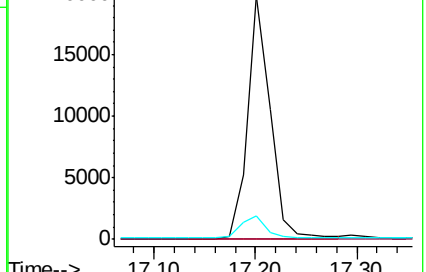
80 9.8 8.0 12.0



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



#22

Pentachlorophenol

Concen: 0.197 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.03 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

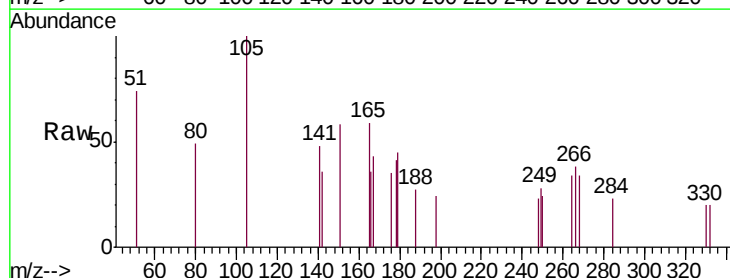
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

266 100

264 89.4 57.6 86.4#

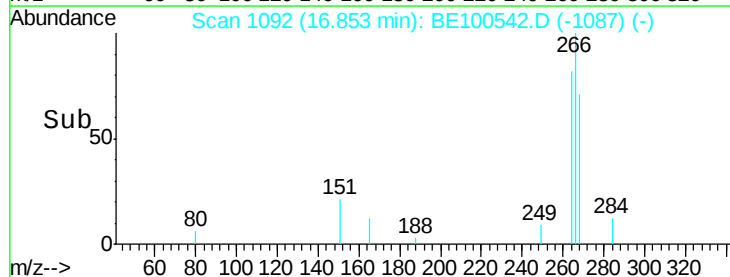
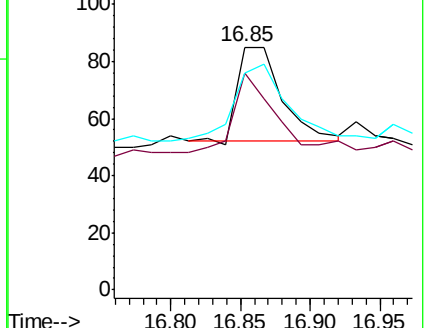
268 89.4 55.1 82.7#

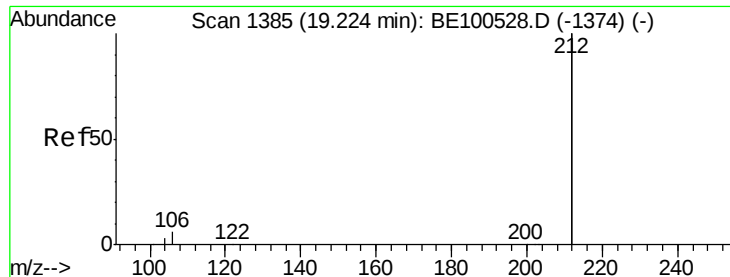


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.528 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

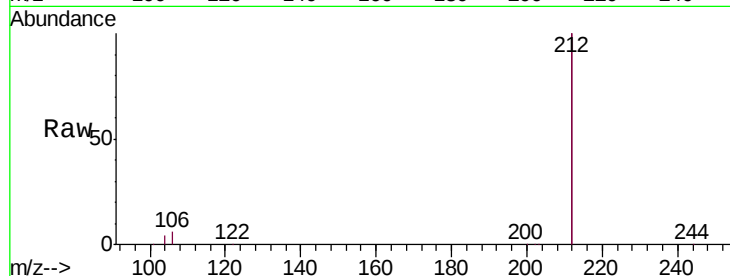
Tgt Ion: 212 Resp: 192378

Ion Ratio Lower Upper

212 100

106 3.1 2.3 3.5

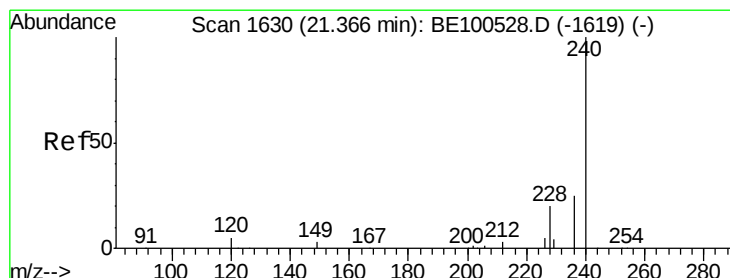
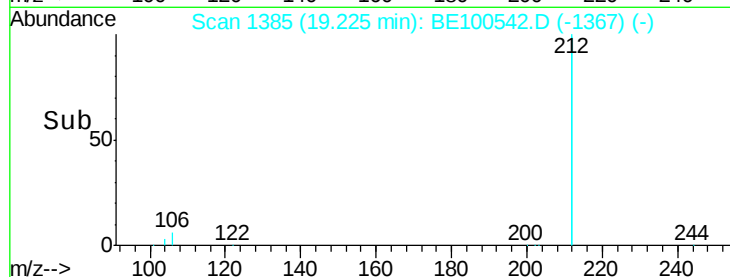
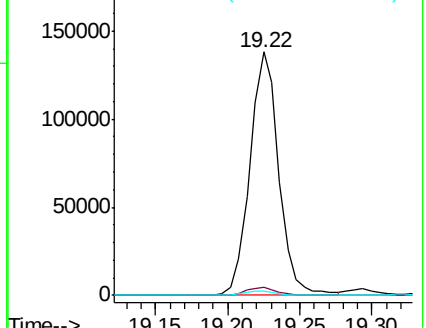
104 1.7 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

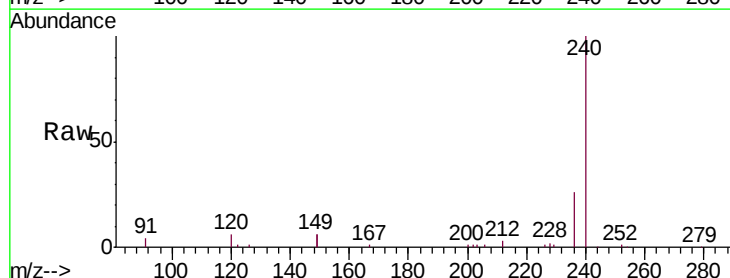
Tgt Ion: 240 Resp: 39471

Ion Ratio Lower Upper

240 100

120 5.7 4.5 6.7

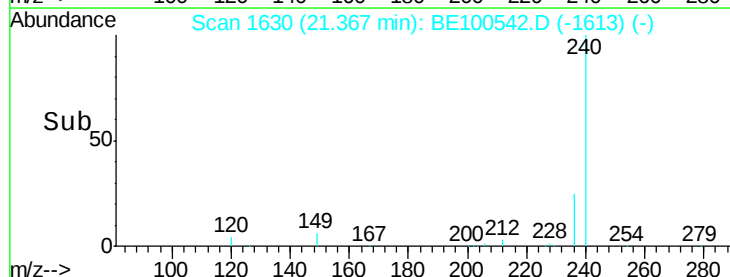
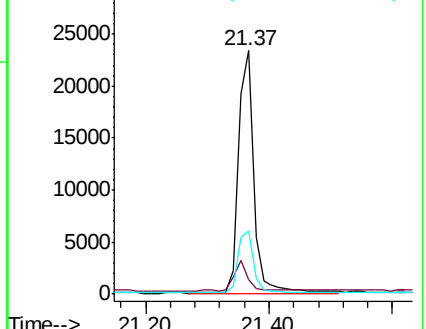
236 25.8 20.6 30.8

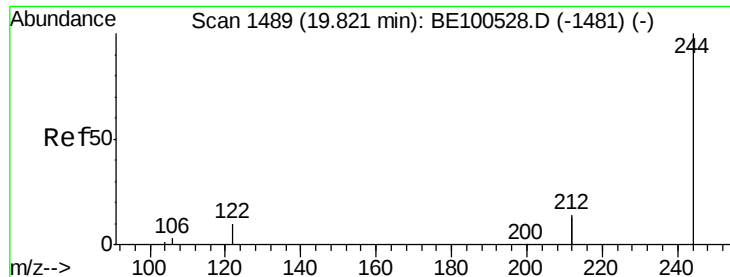


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

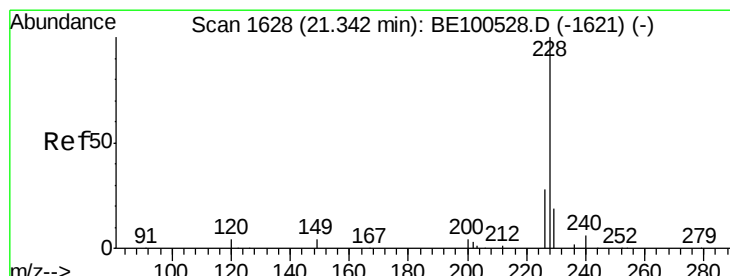
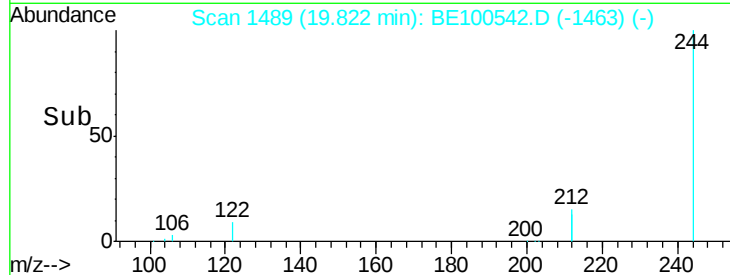
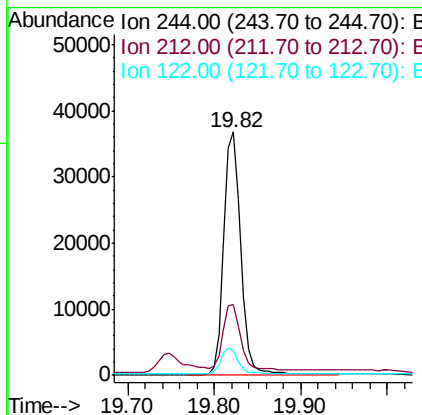
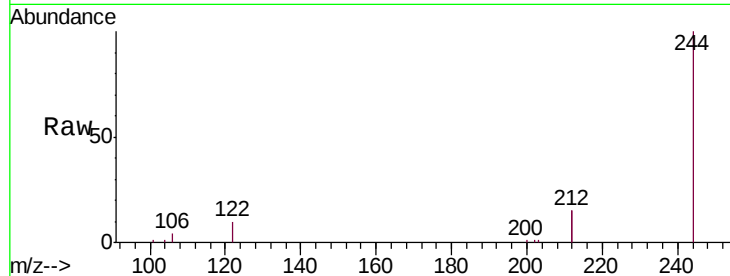
Ion 236.00 (235.70 to 236.70): E





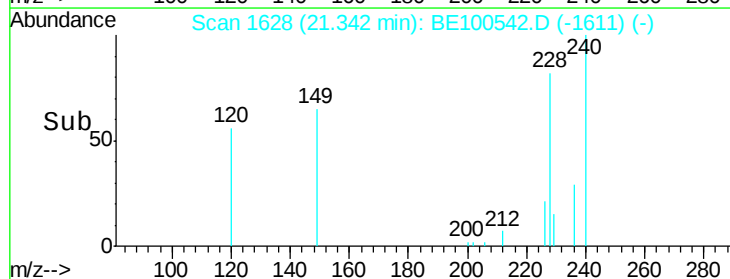
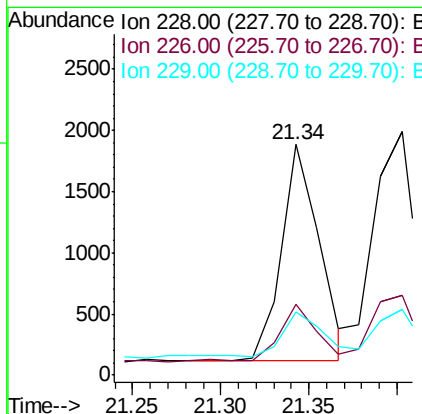
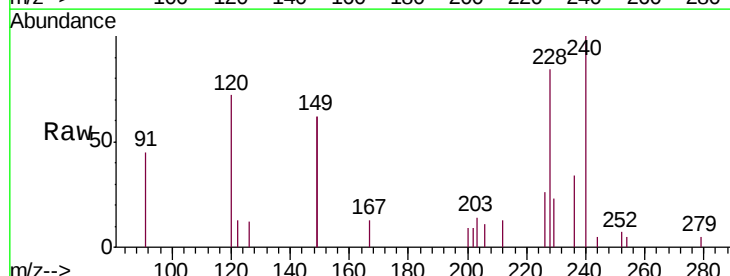
#29
 Terphenyl-d14
 Concen: 0.536 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: BE100542.D
 Acq: 23 Sep 2019 16:32

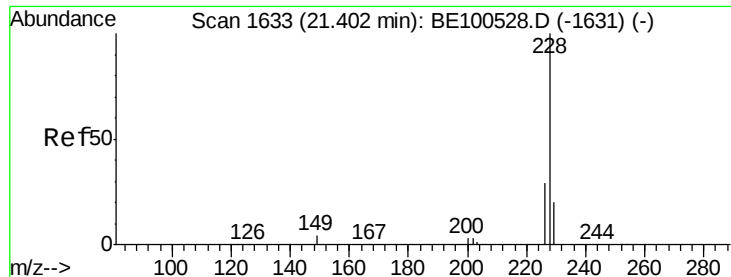
Tgt Ion: 244 Resp: 50095
 Ion Ratio Lower Upper
 244 100
 212 29.2 22.2 33.2
 122 10.0 8.3 12.5



#30
 Benzo(a)anthracene
 Concen: 0.025 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE100542.D
 Acq: 23 Sep 2019 16:32

Tgt Ion: 228 Resp: 2622
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.5 33.7
 229 27.4 15.4 23.2#





#31

Chrysene

Concen: 0.025 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

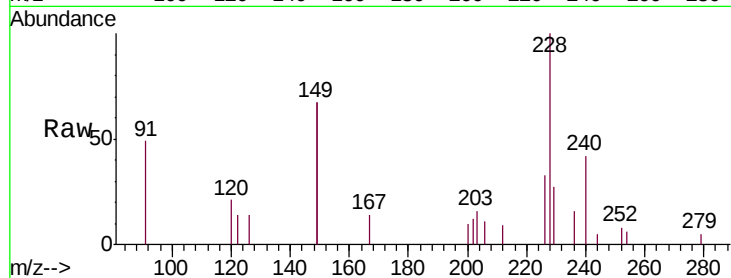
Tgt Ion: 228 Resp: 2961

Ion Ratio Lower Upper

228 100

226 32.8 23.3 34.9

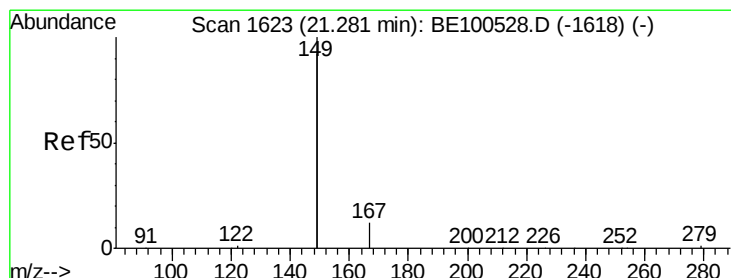
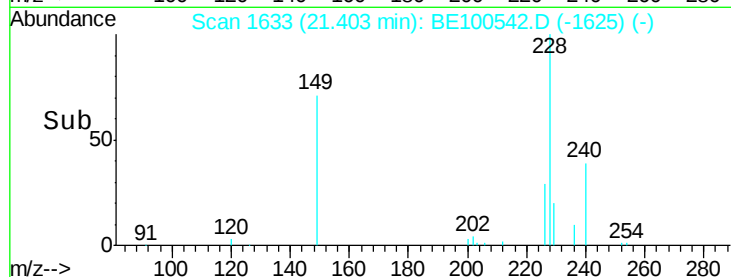
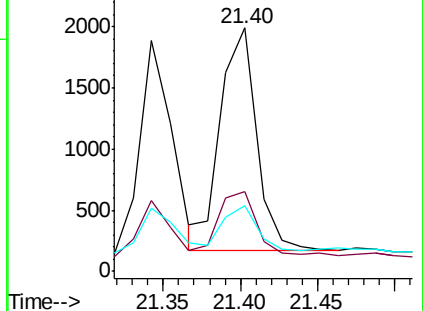
229 27.2 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.363 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

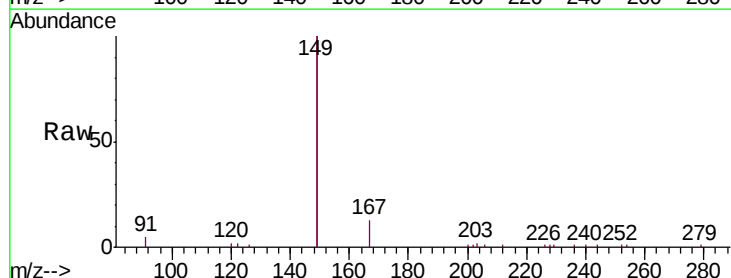
Tgt Ion: 149 Resp: 41272

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

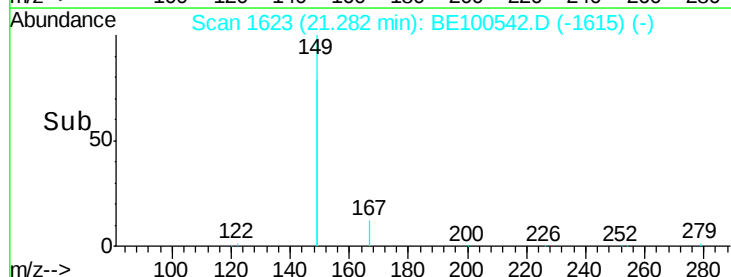
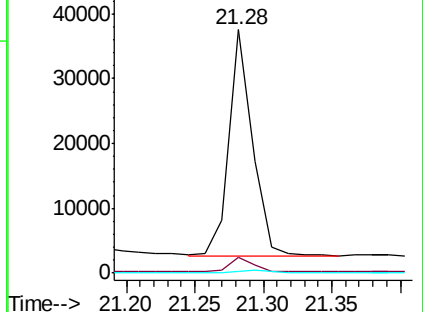
279 1.1 1.0 1.4

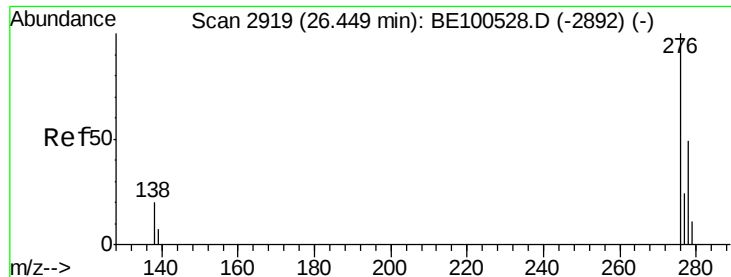


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.026 ng

RT: 26.44 min Scan# 2917

Delta R.T. -0.01 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

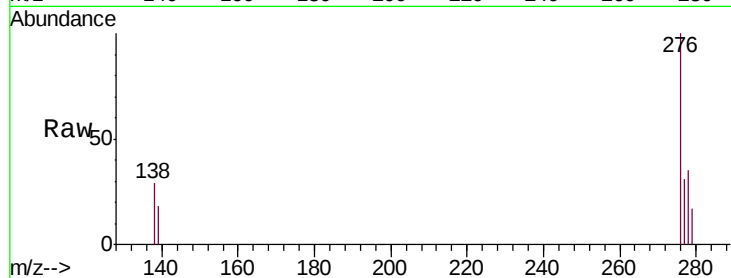
Tgt Ion: 276 Resp: 3465

Ion Ratio Lower Upper

276 100

138 18.9 17.7 26.5

277 24.4 19.9 29.9

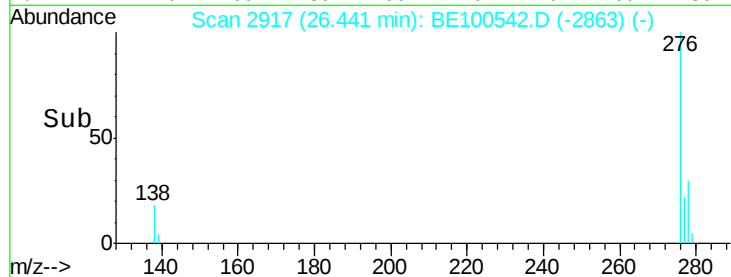


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

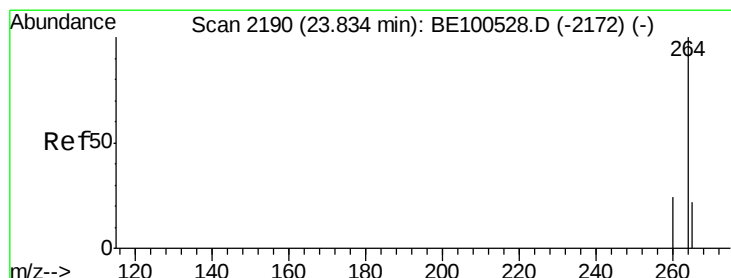
Ion 277.00 (276.70 to 277.70): E

Time-->



26.44

Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

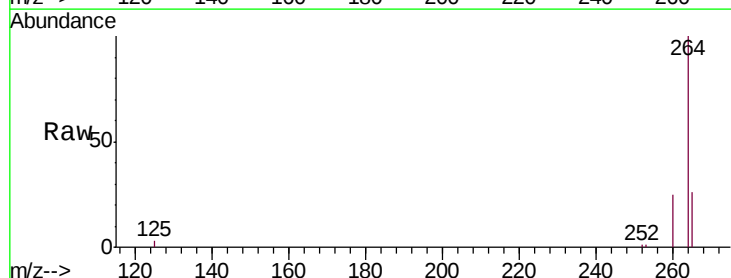
Tgt Ion: 264 Resp: 45724

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 25.9 21.8 32.8

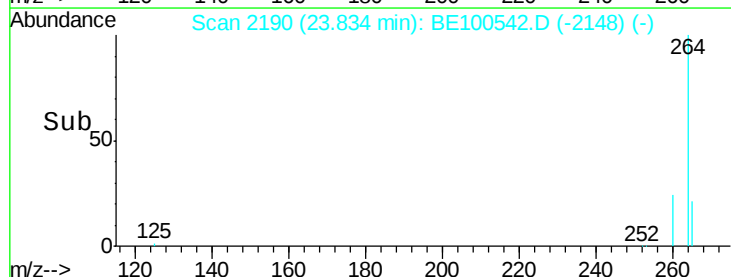


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

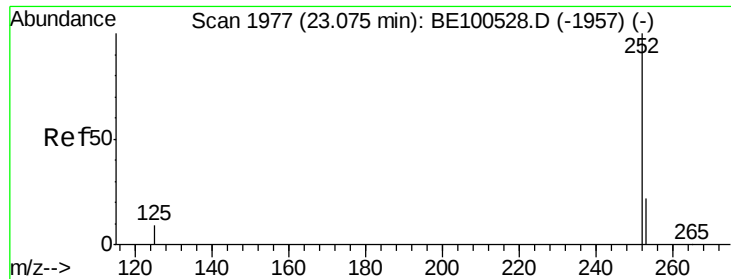
Ion 265.00 (264.70 to 265.70): E

Time-->



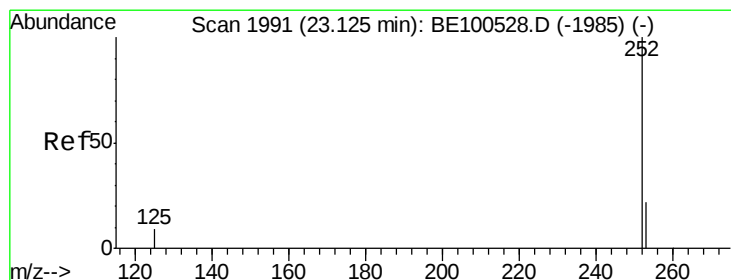
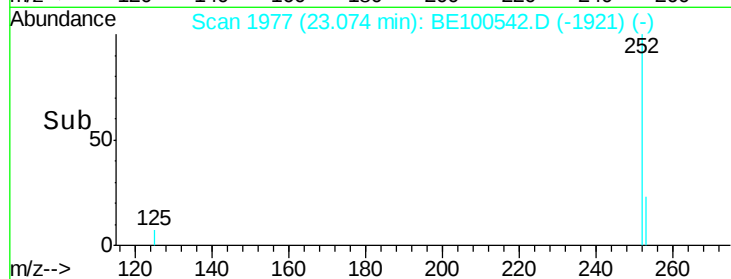
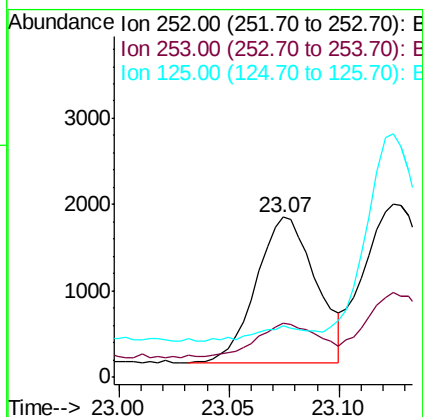
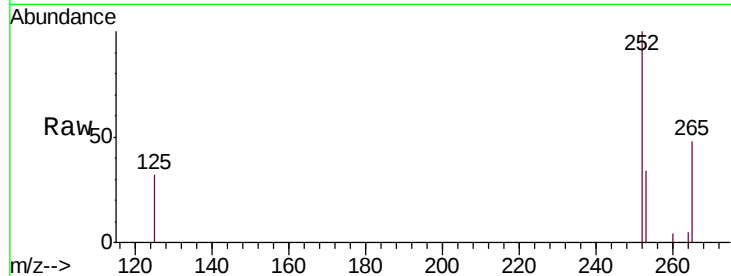
23.83

Time-->



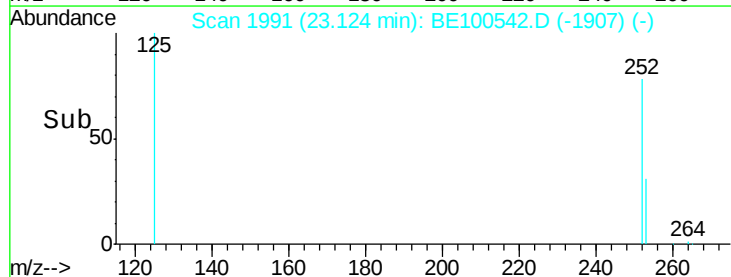
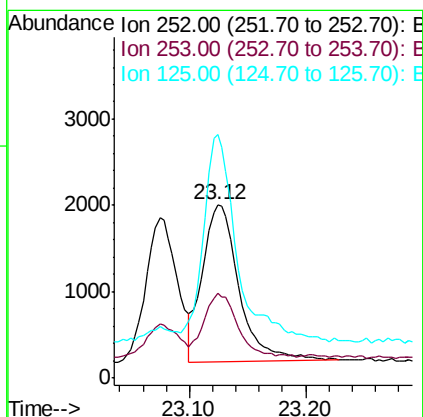
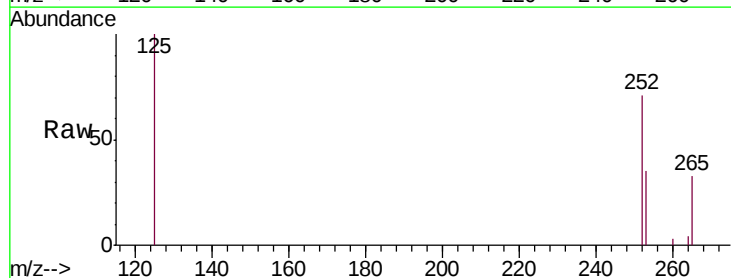
#35
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 23.07 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

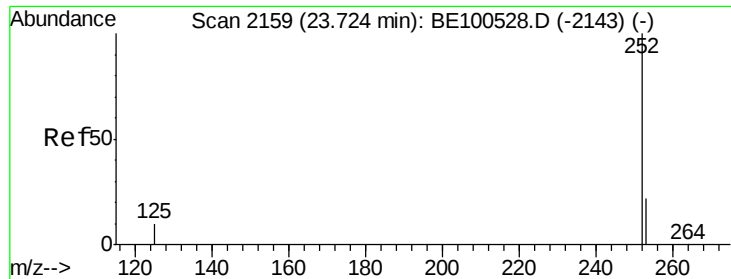
Tgt Ion: 252 Resp: 3202
Ion Ratio Lower Upper
252 100
253 34.1 18.1 27.1#
125 32.3 8.0 12.0#



#36
Benzo(k)fluoranthene
Concen: 0.028 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

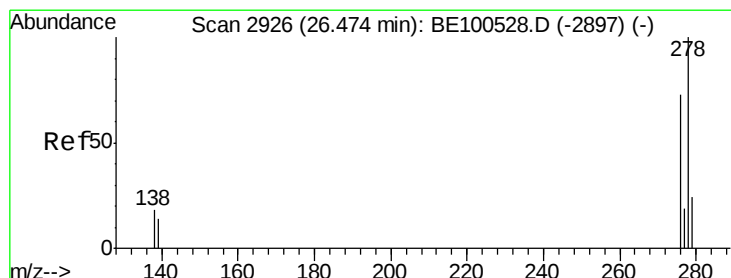
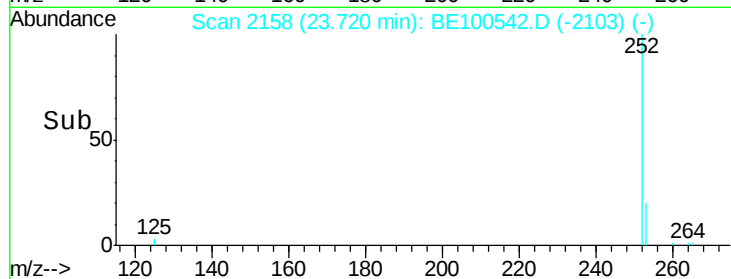
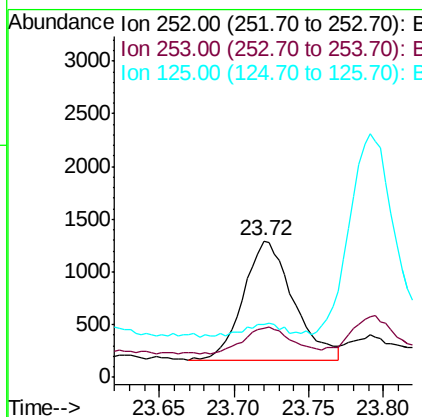
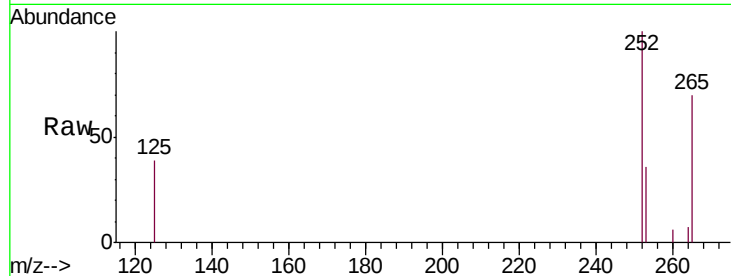
Tgt Ion: 252 Resp: 4006
Ion Ratio Lower Upper
252 100
253 49.1 17.9 26.9#
125 140.1 8.5 12.7#





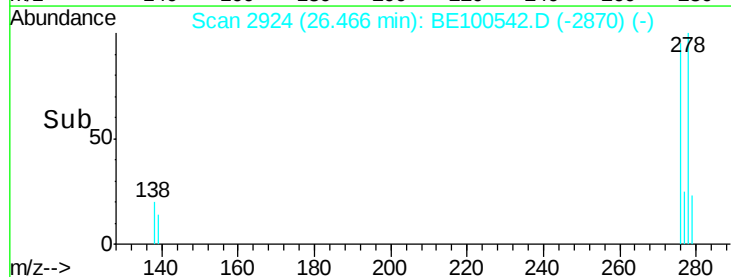
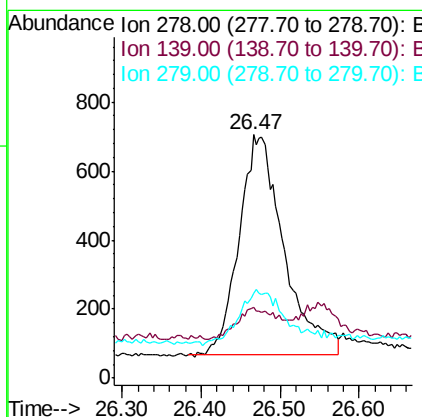
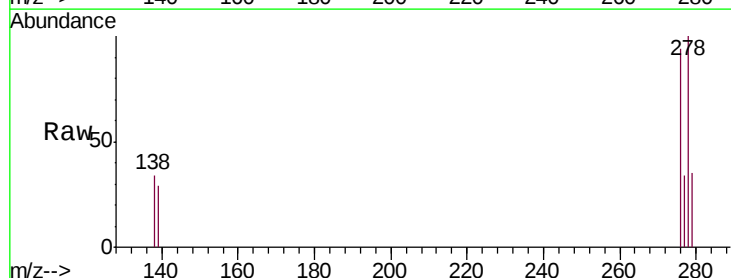
#37
Benzo(a)pyrene
Concen: 0.023 ng
RT: 23.72 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

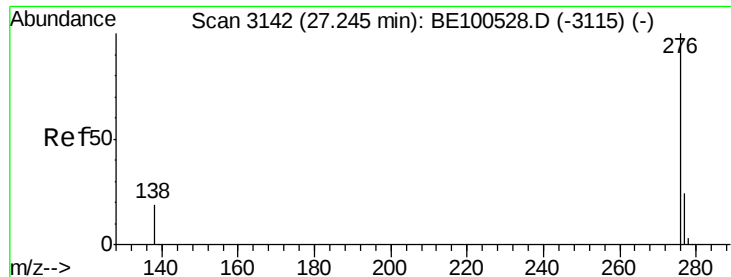
Tgt Ion: 252 Resp: 2651
Ion Ratio Lower Upper
252 100
253 36.4 18.1 27.1#
125 38.9 9.2 13.8#



#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100542.D
Acq: 23 Sep 2019 16:32

Tgt Ion: 278 Resp: 2528
Ion Ratio Lower Upper
278 100
139 29.3 11.6 17.4#
279 34.7 19.7 29.5#





#39

Benzo(g,h,i)perylene

Concen: 0.028 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BE100542.D

Acq: 23 Sep 2019 16:32

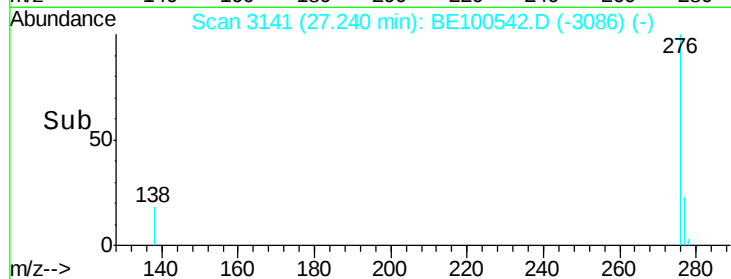
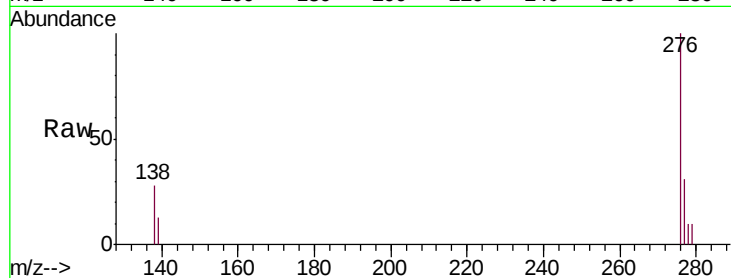
Tgt Ion: 276 Resp: 3496

Ion Ratio Lower Upper

276 100

277 30.5 19.2 28.8#

138 27.7 15.7 23.5#



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

