

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100938.D
 Acq On : 17 Dec 2019 3:27
 Operator : JU
 Sample : K6239-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BE-216-COMP-SMSD

Quant Time: Dec 17 06:21:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4168	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	19448	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	17250	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31266	0.40	ng	0.00
27) Chrysene-d12	21.31	240	24380	0.40	ng	0.00
34) Perylene-d12	23.77	264	29337	0.40	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	3836	0.39	ng	0.00
5) Phenol-d6	6.93	99	6166	0.41	ng	0.00
8) Nitrobenzene-d5	8.90	82	4896	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	11184	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	1614	0.84	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	10787	0.16	ng	0.00
25) Fluoranthene-d10	19.16	212	97614	0.26	ng	0.01
29) Terphenyl-d14	19.76	244	16216	0.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1517	0.200	ng	# 33
3) n-Nitrosodimethylamine	3.63	42	2227	0.360	ng	# 95
6) bis(2-Chloroethyl)ether	7.18	93	4304	0.298	ng	# 92
9) Naphthalene	10.57	128	72509	0.351	ng	100
10) Hexachlorobutadiene	10.89	225	2006	0.249	ng	99
12) 2-Methylnaphthalene	12.21	142	12231	0.379	ng	97
16) Acenaphthylene	14.11	152	32392	0.454	ng	# 61
17) Acenaphthene	14.46	154	12216	0.248	ng	# 90
18) Fluorene	15.42	166	19045	0.300	ng	# 92
20) 4-Bromophenyl-phenylether	16.32	248	5793	0.378	ng	# 1
21) Hexachlorobenzene	16.44	284	3680	0.221	ng	# 1
22) Pentachlorophenol	16.79	266	5341	4.634	ng	# 79
23) Phenanthrene	17.16	178	51812	0.547	ng	# 23
24) Anthracene	17.25	178	29921	0.378	ng	97
26) Fluoranthene	19.19	202	41715	0.369	ng	# 80
28) Pyrene	19.55	202	53963	0.681	ng	# 83
30) Benzo(a)anthracene	21.29	228	44200	0.615	ng	# 14
31) Chrysene	21.34	228	37054	0.439	ng	# 19
32) Bis(2-ethylhexyl)phthalate	21.23	149	131081	1.910	ng	# 82
33) Indeno(1,2,3-cd)pyrene	26.35	276	35980	0.489	ng	# 83
35) Benzo(b)fluoranthene	23.01	252	35170	0.438	ng	# 1
36) Benzo(k)fluoranthene	23.06	252	30172	0.335	ng	# 1
37) Benzo(a)pyrene	23.66	252	34503	0.496	ng	# 1
38) Dibenzo(a,h)anthracene	26.38	278	23384	0.338	ng	# 1
39) Benzo(g,h,i)perylene	27.14	276	37051	0.501	ng	# 42

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

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BE-216-COMP-SMSD

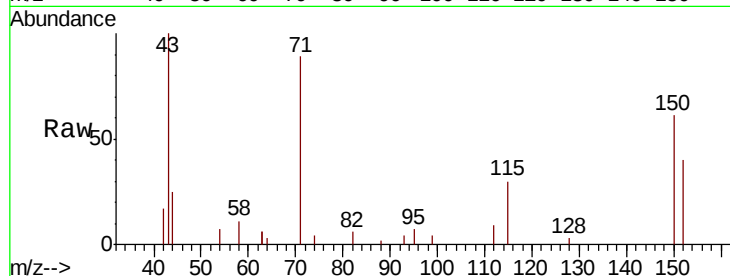
Tot Ion:152 Resp: 4168

Ion Ratio Lower Upper

152 100

150 152.4 125.5 188.3

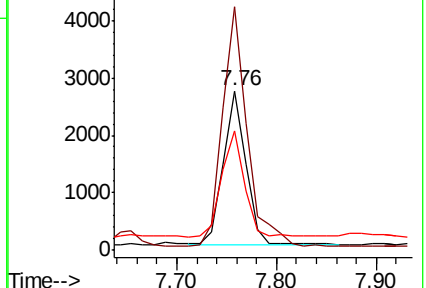
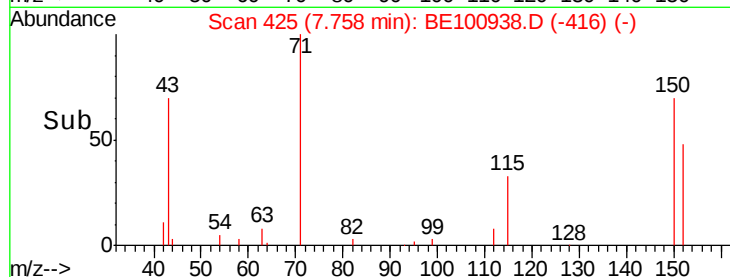
115 75.0 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.200 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

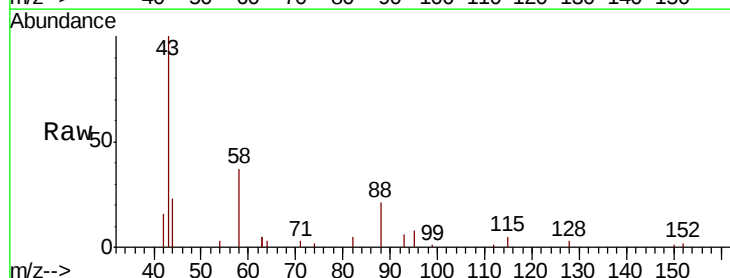
Tgt Ion: 88 Resp: 1517

Ion Ratio Lower Upper

88 100

58 123.3 52.3 78.5#

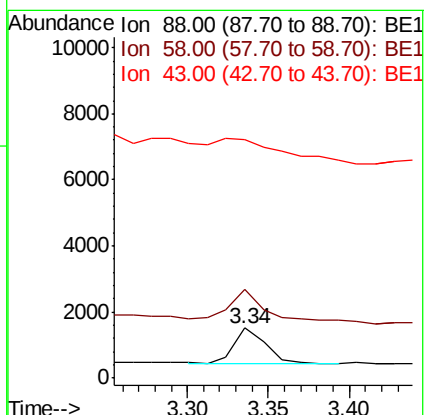
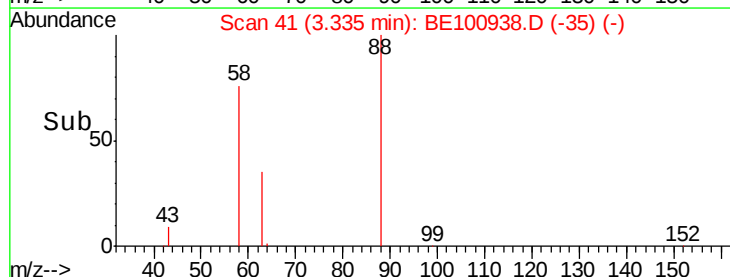
43 0.0 23.5 35.3#



Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1



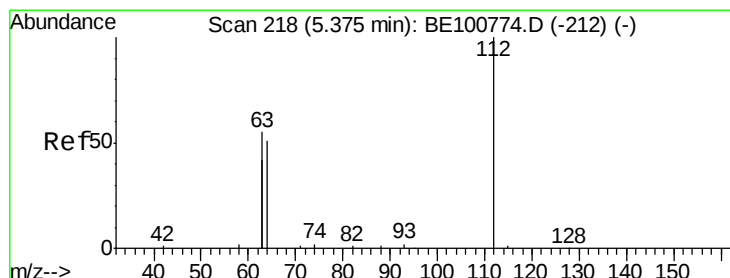
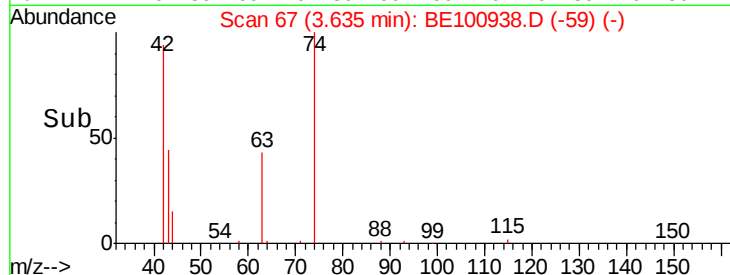
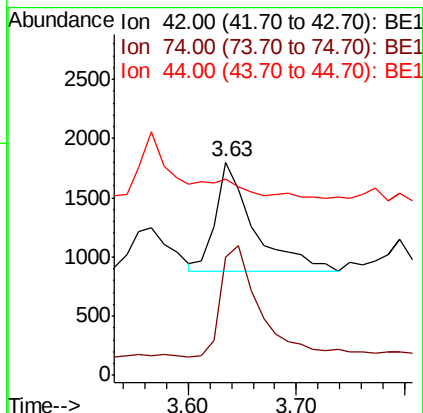
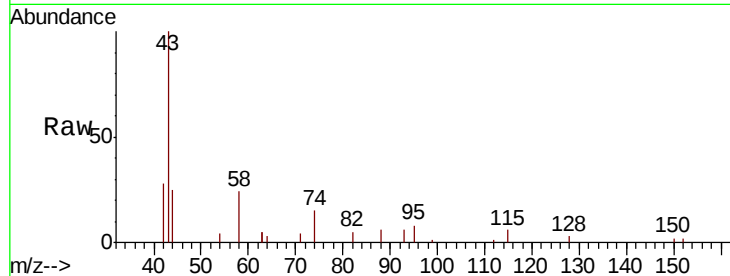


#3

n-Nitrosodimethylamine
 Concen: 0.360 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

Instrument :
 BNA_E
 ClientSampleId :
 BE-216-COMP-SMSD

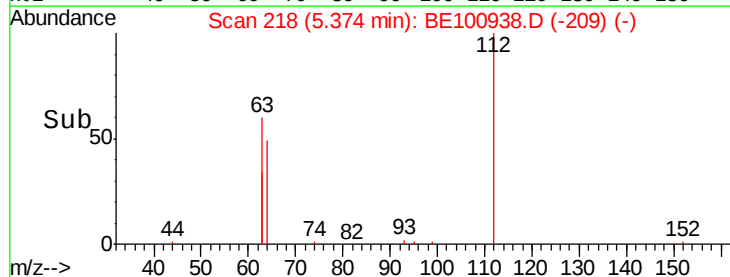
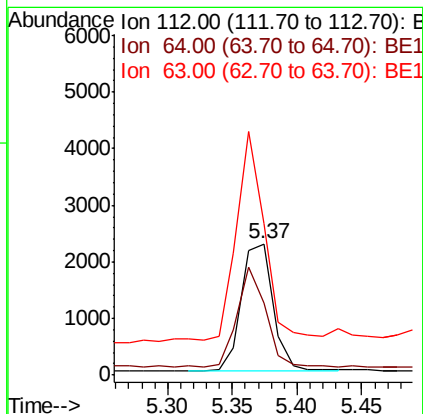
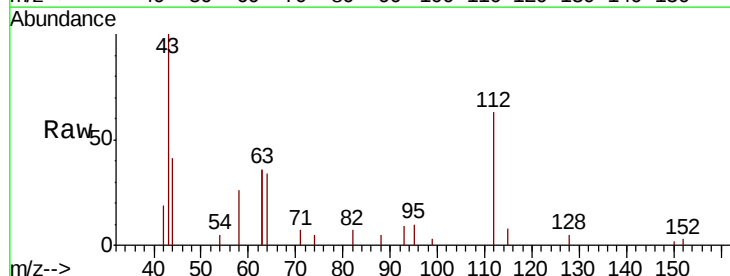
Tot Ion: 42 Resp: 2227
 Ion Ratio Lower Upper
 42 100
 74 109.9 90.3 135.5
 44 0.0 9.0 13.4#



#4

2-Fluorophenol
 Concen: 0.388 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

Tgt Ion: 112 Resp: 3836
 Ion Ratio Lower Upper
 112 100
 64 70.8 54.5 81.7
 63 149.2 116.1 174.1





#5

Phenol-d6

Concen: 0.413 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

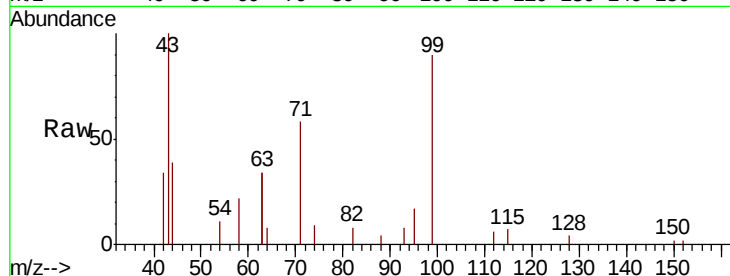
Tot Ion: 99 Resp: 6166

Ion Ratio Lower Upper

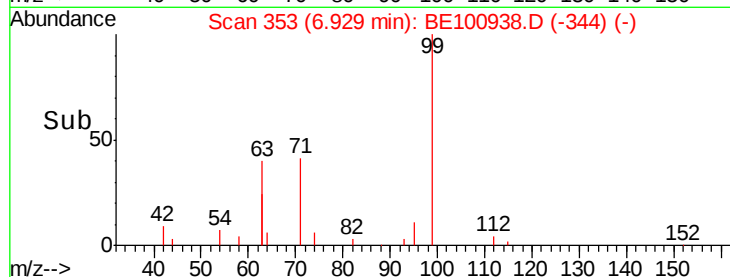
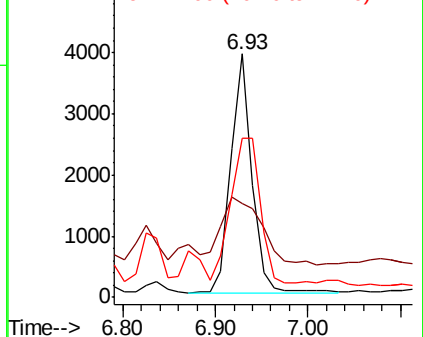
99 100

42 0.0 18.2 27.2#

71 84.8 29.1 43.7#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.298 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

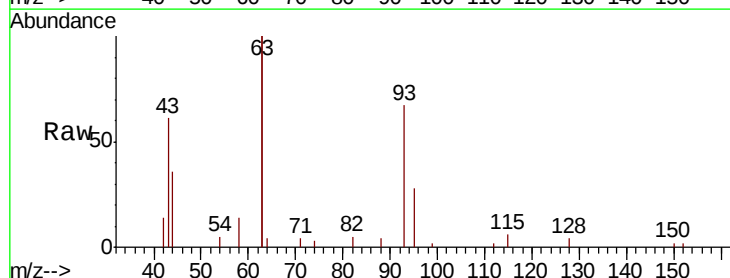
Tgt Ion: 93 Resp: 4304

Ion Ratio Lower Upper

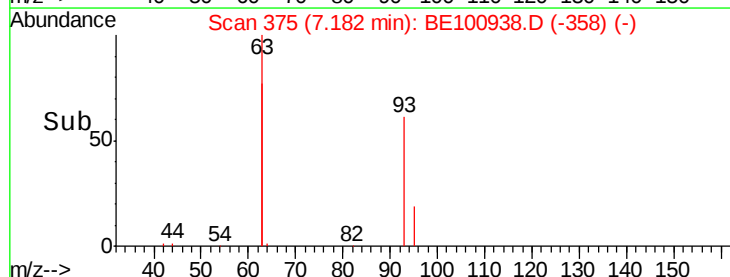
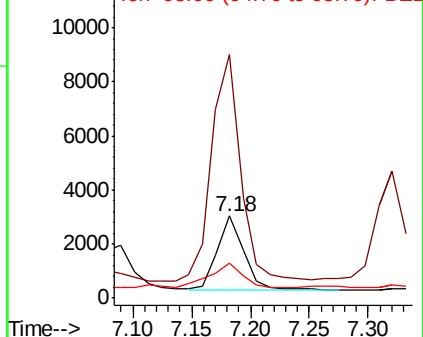
93 100

63 332.0 253.9 380.9

95 40.0 25.0 37.6#



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

Tot Ion:136 Resp: 19448

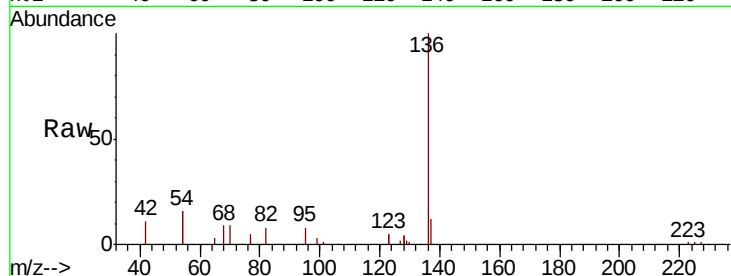
Ion Ratio Lower Upper

136 100

137 12.1 9.1 13.7

54 31.6 18.9 28.3#

68 8.8 4.6 6.8#

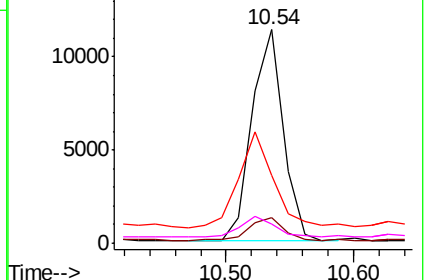
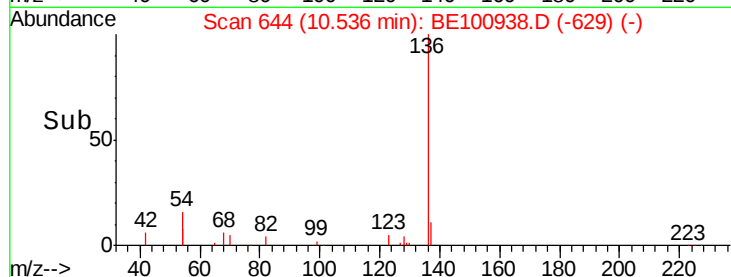


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.529 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

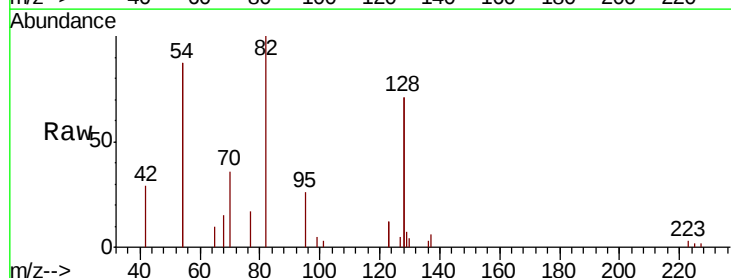
Tgt Ion: 82 Resp: 4896

Ion Ratio Lower Upper

82 100

128 141.2 113.5 170.3

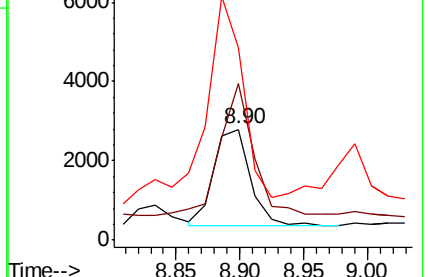
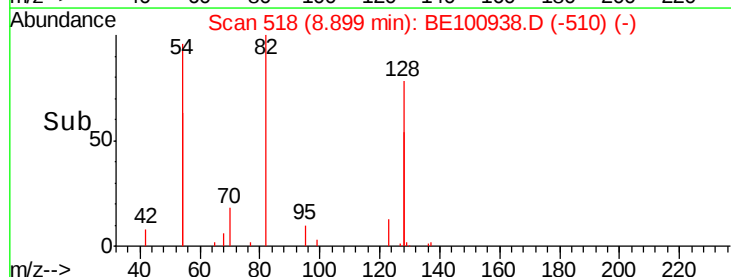
54 173.2 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.351 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

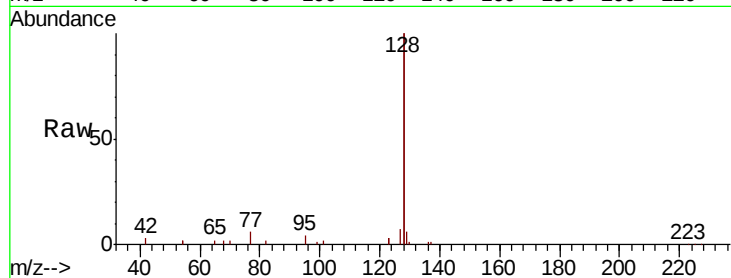
Tot Ion:128 Resp: 72509

Ion Ratio Lower Upper

128 100

129 3.0 2.2 3.4

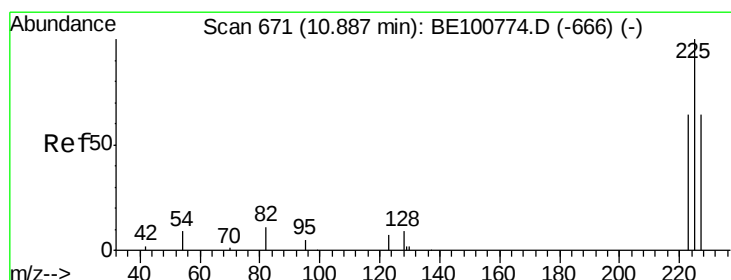
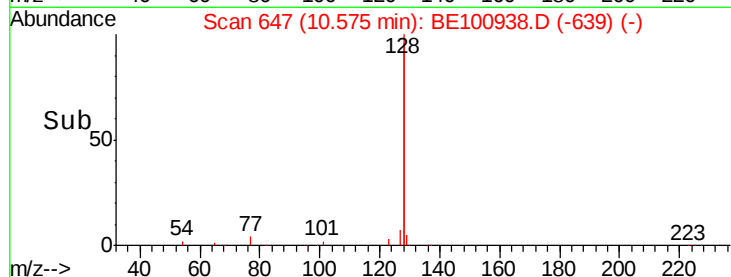
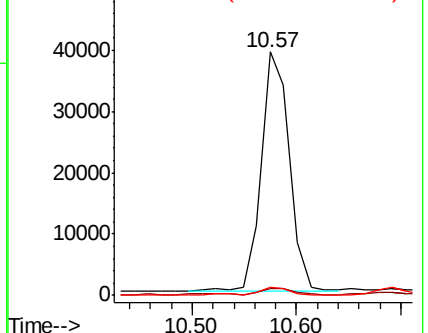
127 3.6 2.8 4.2



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: 0.249 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

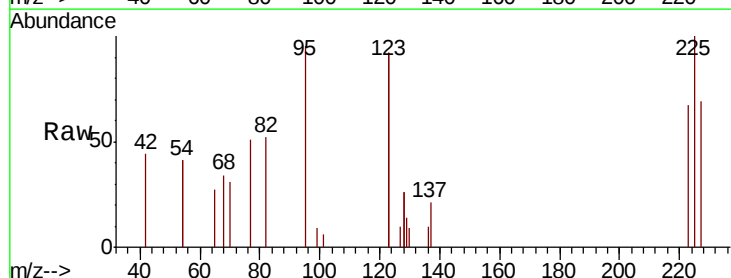
Tgt Ion:225 Resp: 2006

Ion Ratio Lower Upper

225 100

223 65.1 52.1 78.1

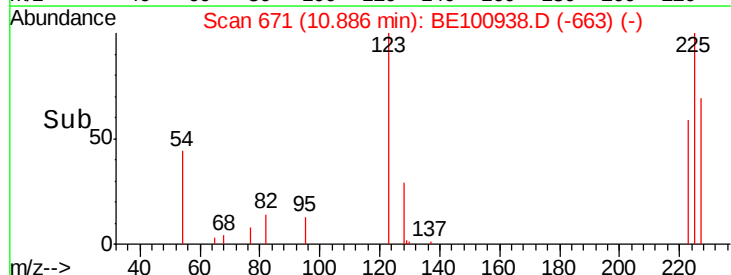
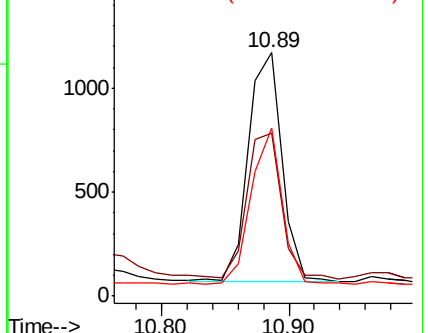
227 62.7 51.1 76.7



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

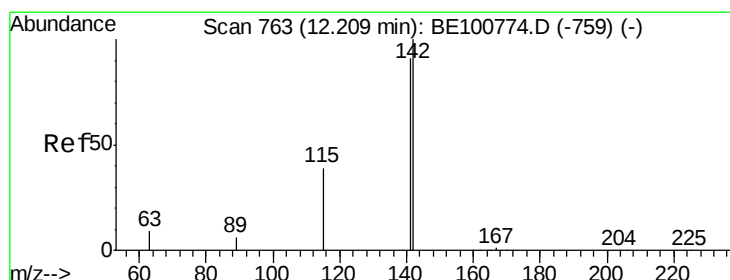
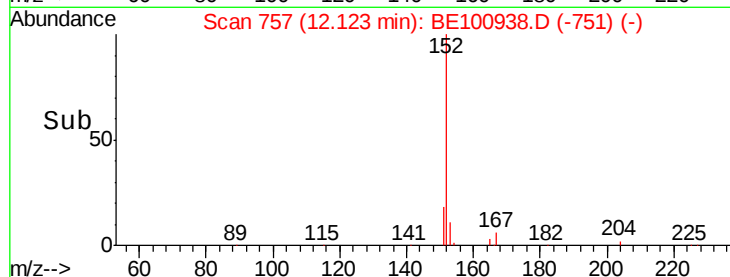
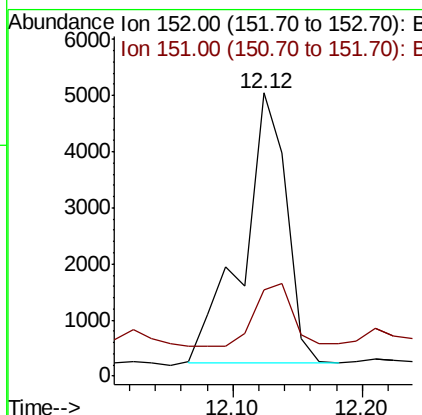
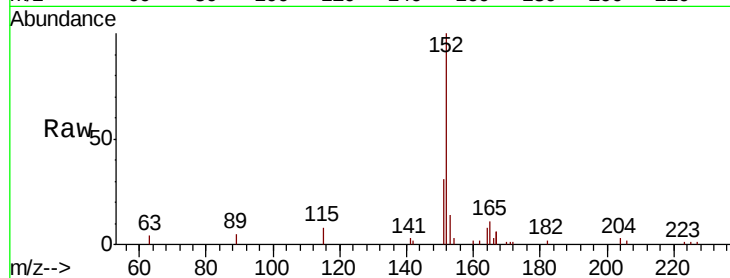




#11
 2-Methylnaphthalene-d10
 Concen: 0.397 ng
 RT: 12.12 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

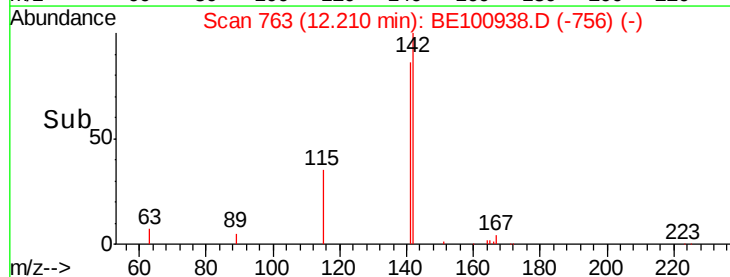
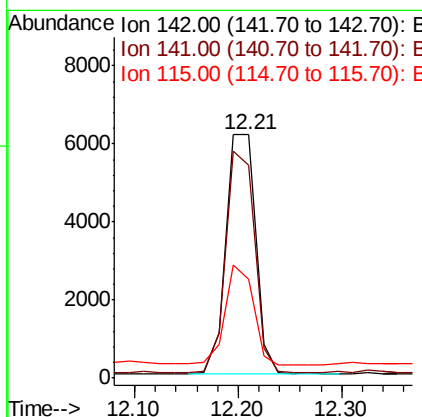
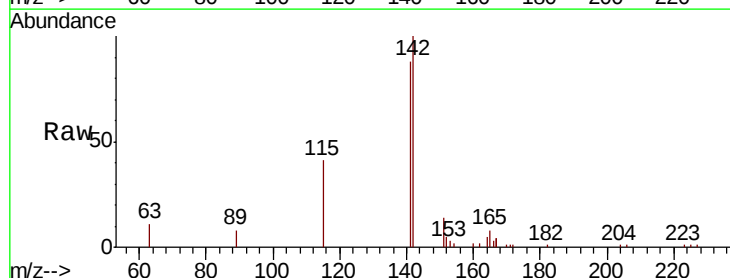
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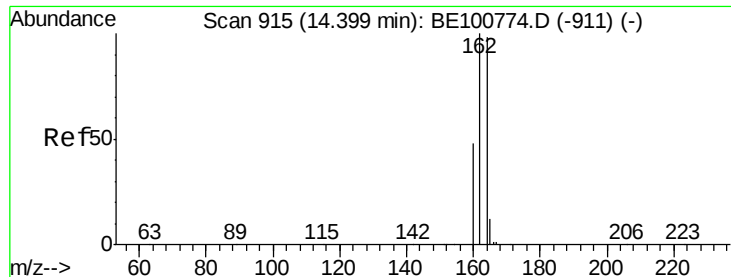
Tot Ion:152 Resp: 11184
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.379 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

Tgt Ion:142 Resp: 12231
 Ion Ratio Lower Upper
 142 100
 141 87.5 68.9 103.3
 115 40.7 29.5 44.3

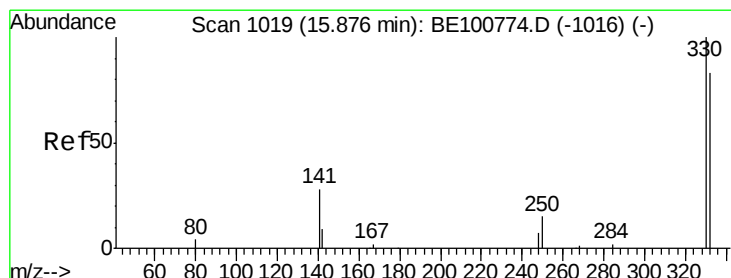
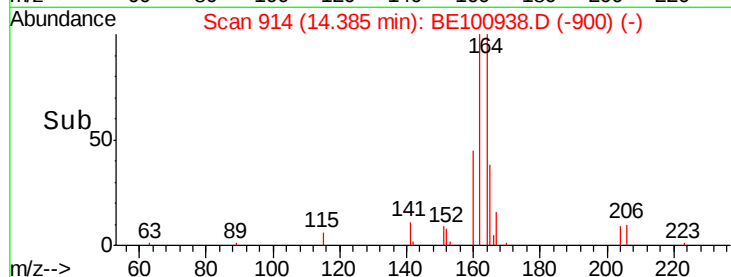
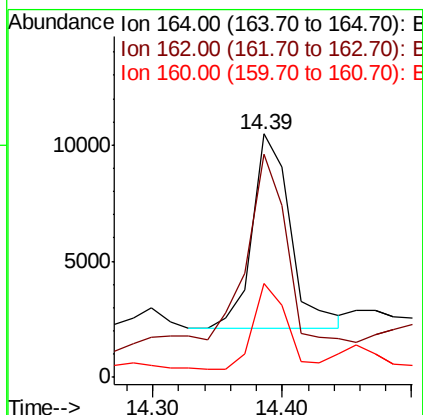
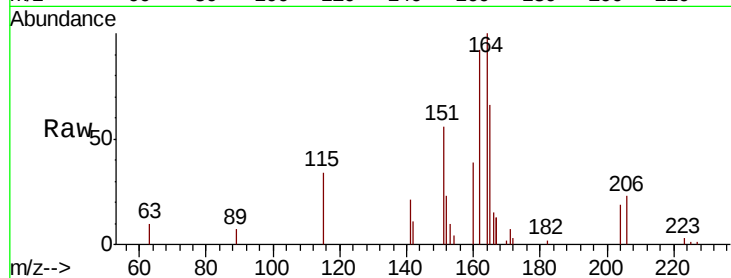




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100938.D
Acq: 17 Dec 2019 3:27

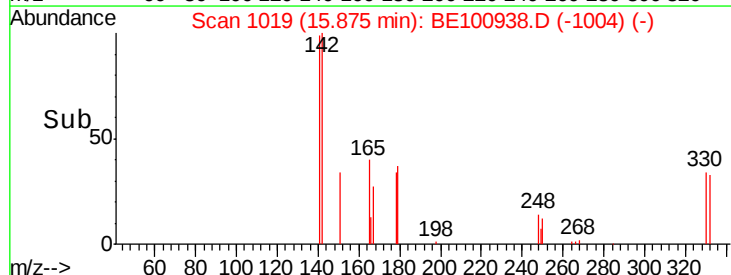
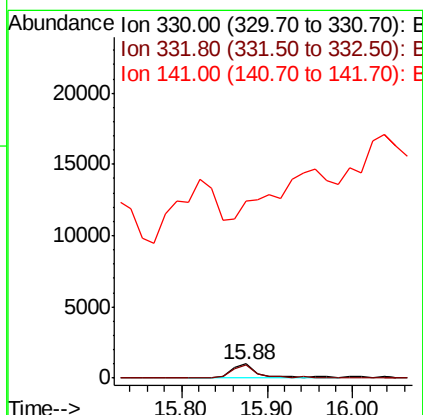
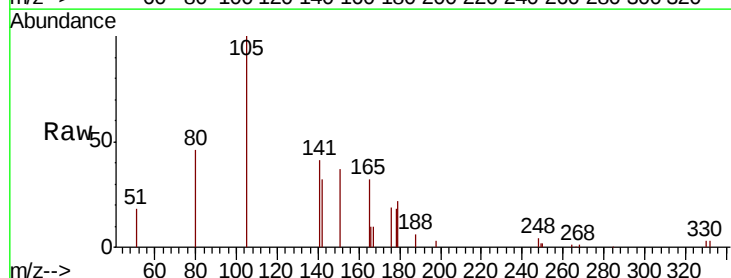
Instrument :
BNA_E
ClientSampleId :
BE-216-COMP-SMSD

Tot Ion:164 Resp: 17250
Ion Ratio Lower Upper
164 100
162 91.8 86.0 129.0
160 38.7 42.3 63.5#



#14
2,4,6-Tribromophenol
Concen: 0.841 ng
RT: 15.88 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE100938.D
Acq: 17 Dec 2019 3:27

Tgt Ion:330 Resp: 1614
Ion Ratio Lower Upper
330 100
332 91.1 74.1 111.1
141 0.0 46.7 70.1#

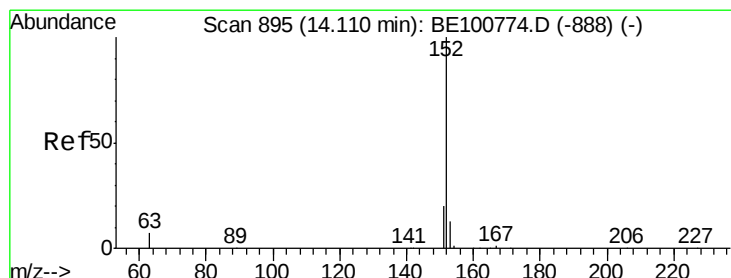
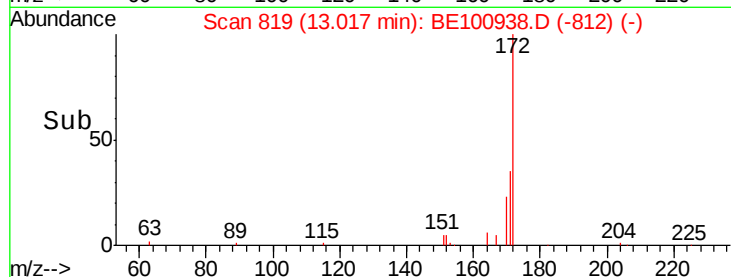
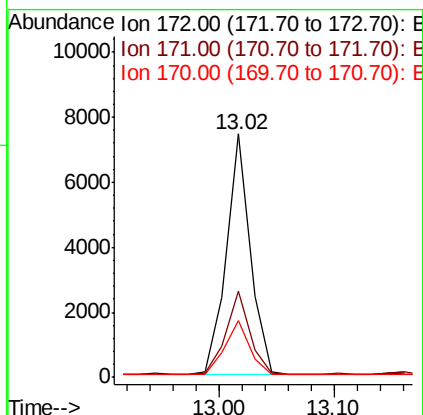
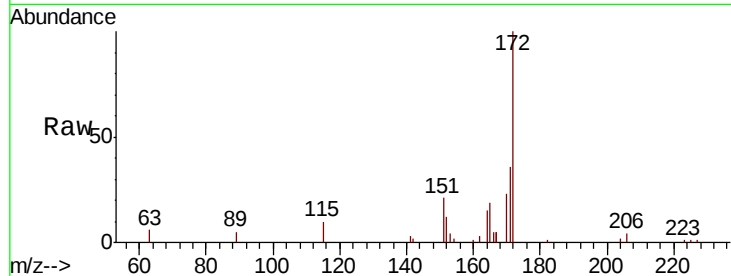




#15
2-Fluorobiphenyl
Concen: 0.158 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100938.D
Acq: 17 Dec 2019 3:27

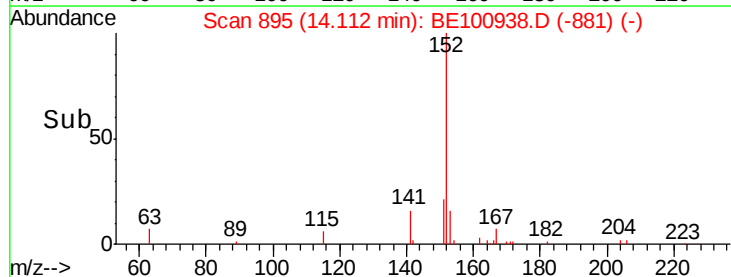
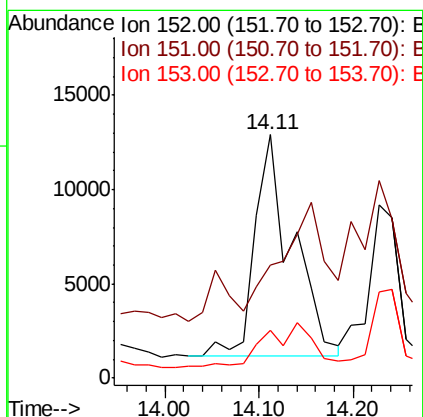
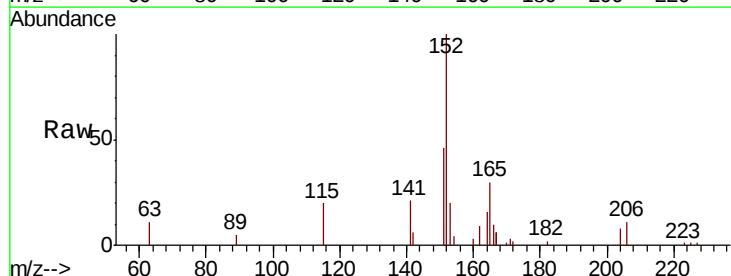
Instrument :
BNA_E
ClientSampleId :
BE-216-COMP-SMSD

Tot Ion:172 Resp: 10787
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 23.3 19.4 29.0



#16
Acenaphthylene
Concen: 0.454 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100938.D
Acq: 17 Dec 2019 3:27

Tgt Ion:152 Resp: 32392
Ion Ratio Lower Upper
152 100
151 0.0 15.9 23.9#
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.248 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

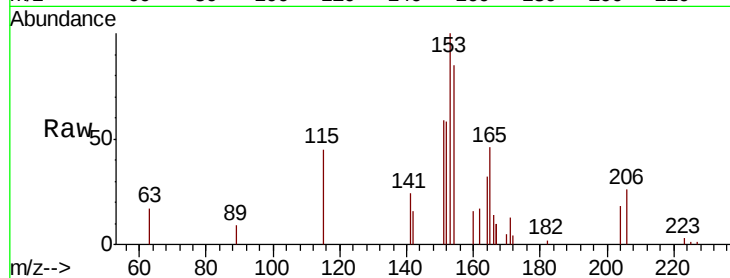
Tot Ion:154 Resp: 12216

Ion Ratio Lower Upper

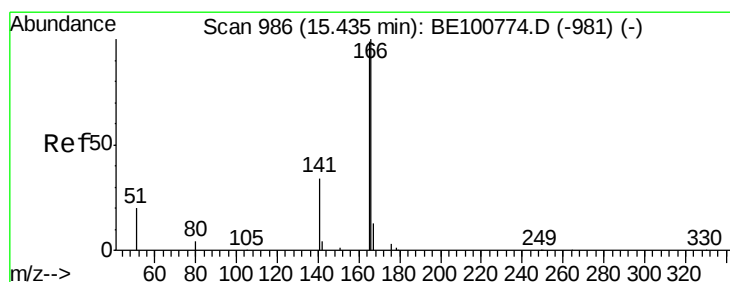
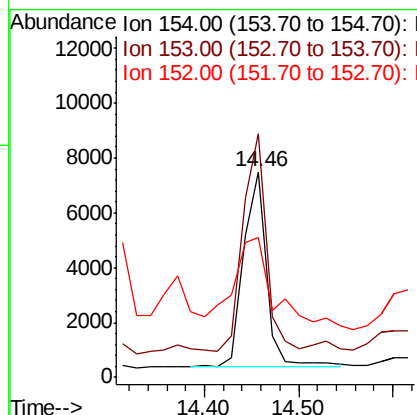
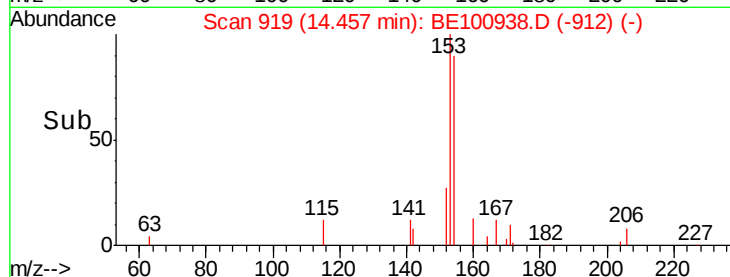
154 100

153 109.3 91.5 137.3

152 73.8 47.7 71.5#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.300 ng

RT: 15.42 min Scan# 985

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

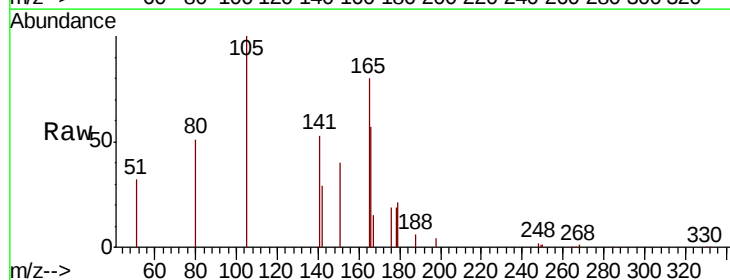
Tgt Ion:166 Resp: 19045

Ion Ratio Lower Upper

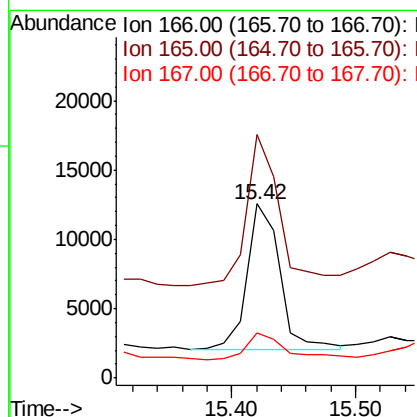
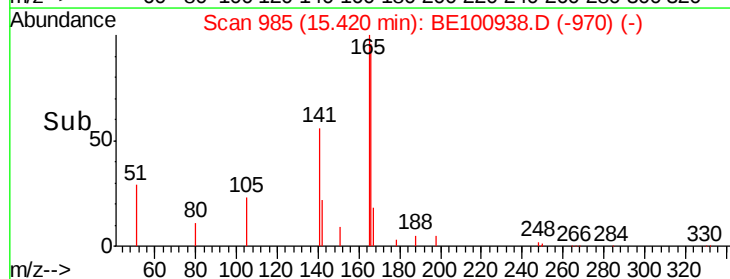
166 100

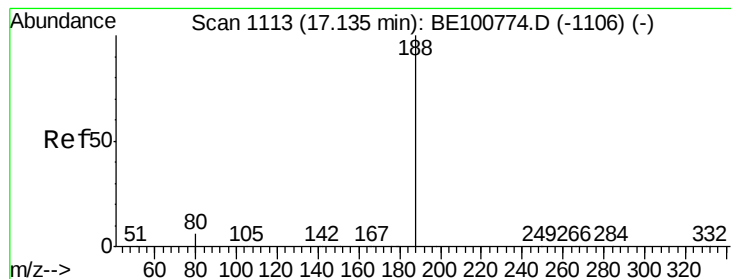
165 105.3 80.2 120.4

167 25.1 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

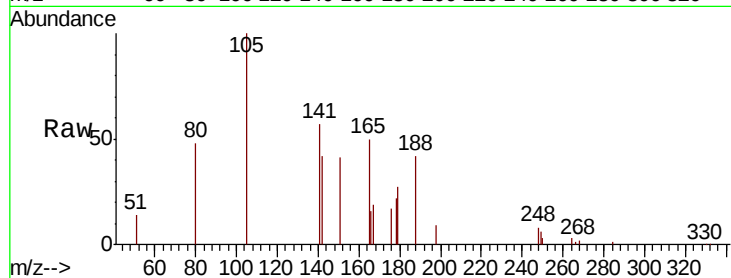
Tot Ion:188 Resp: 31266

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

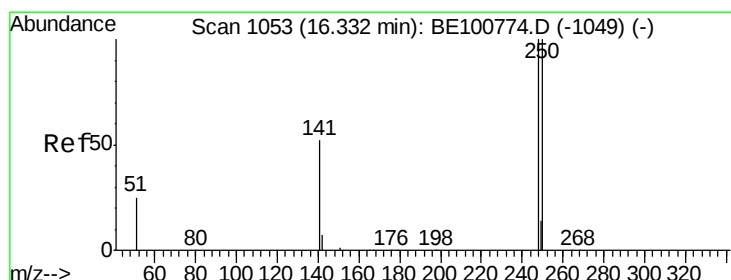
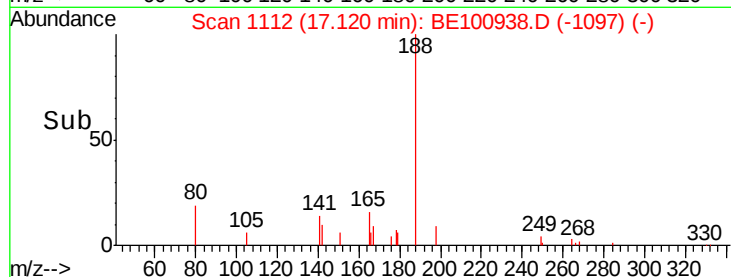
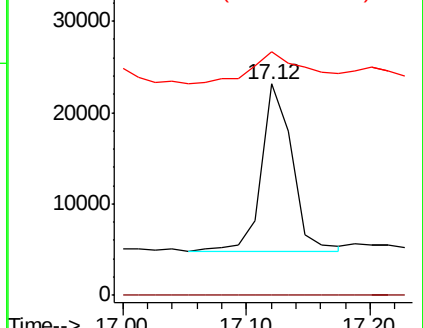
80 115.3 7.9 11.9#



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



#20

4-Bromophenyl-phenylether

Concen: 0.378 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

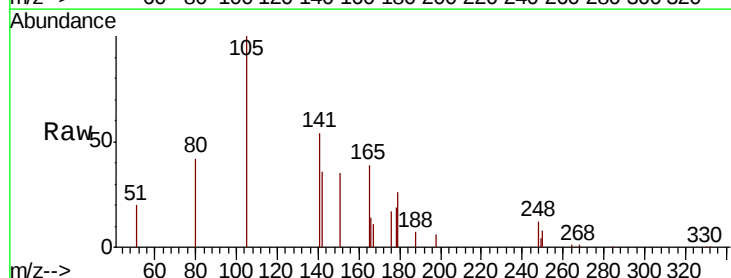
Tgt Ion:248 Resp: 5793

Ion Ratio Lower Upper

248 100

250 72.0 72.4 108.6#

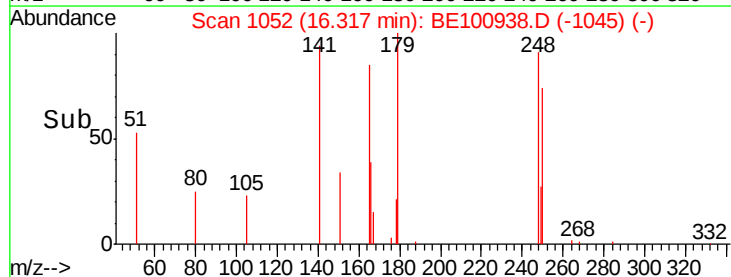
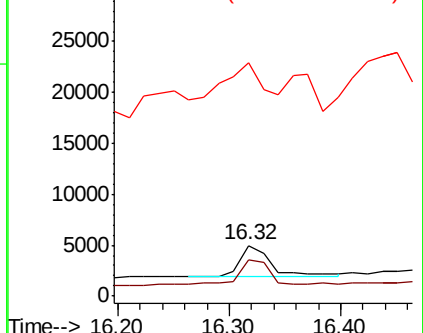
141 460.5 68.2 102.2#

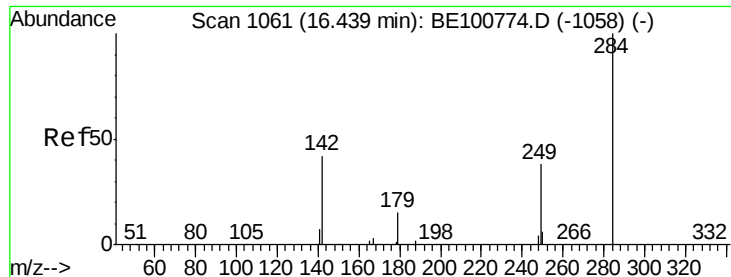


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.221 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

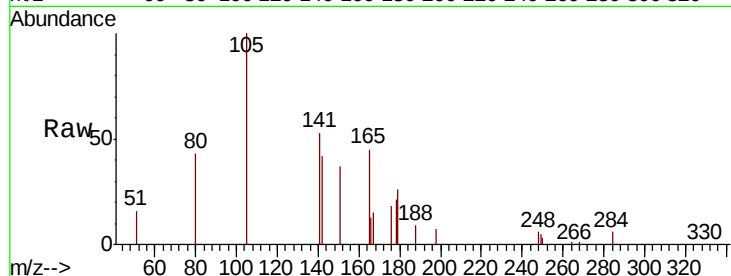
Tot Ion:284 Resp: 3680

Ion Ratio Lower Upper

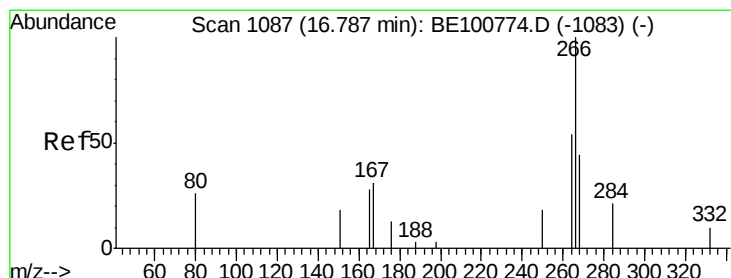
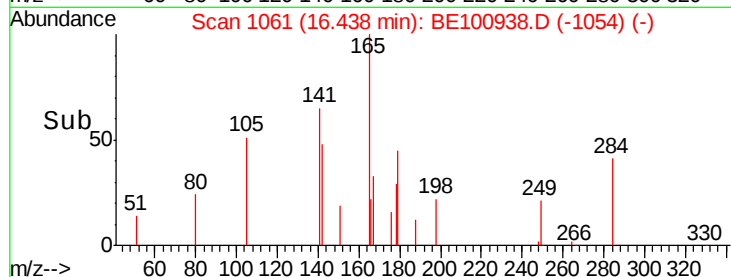
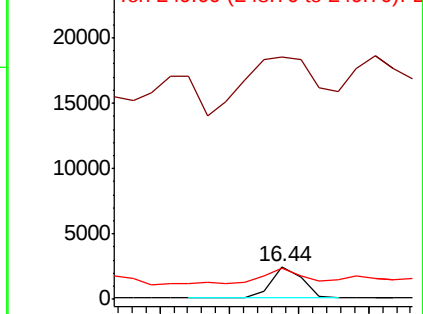
284 100

142 464.2 35.0 52.4#

249 55.3 28.1 42.1#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 4.634 ng

RT: 16.79 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

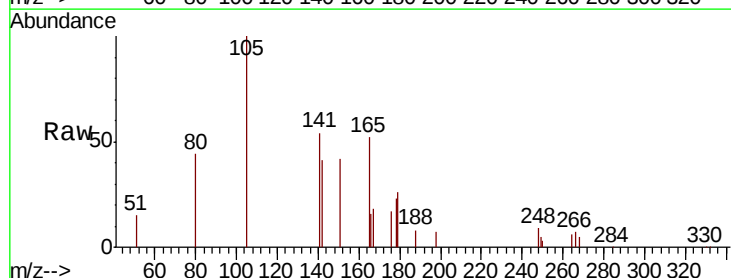
Tgt Ion:266 Resp: 5341

Ion Ratio Lower Upper

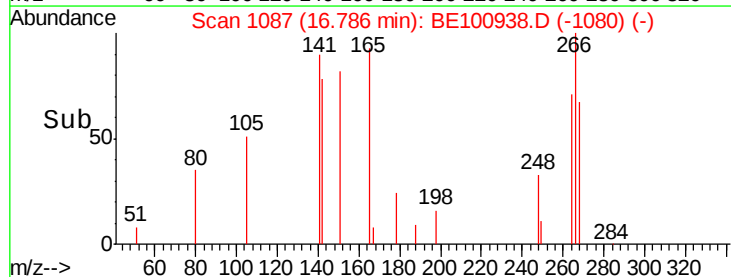
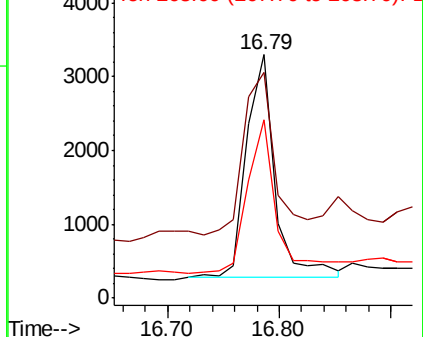
266 100

264 93.0 55.1 82.7#

268 73.1 50.7 76.1



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





#23

Phenanthrene

Concen: 0.547 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

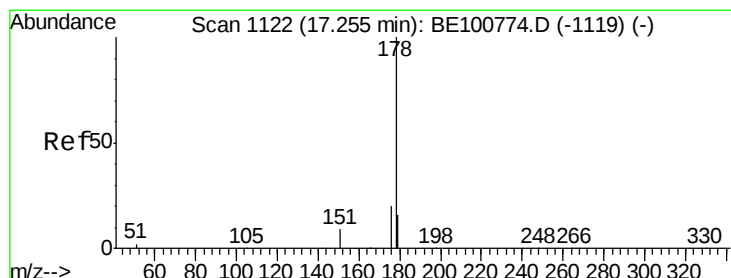
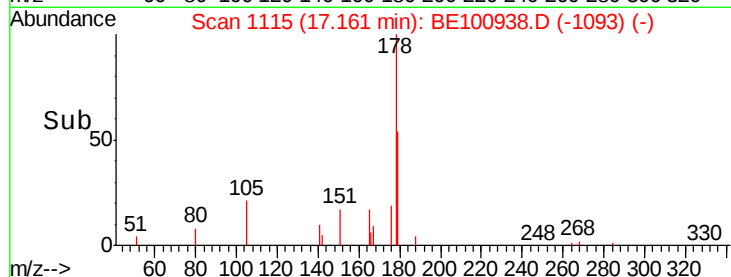
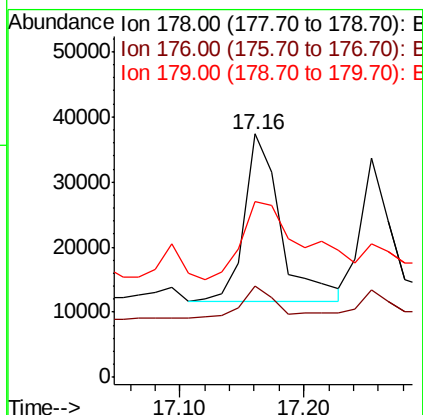
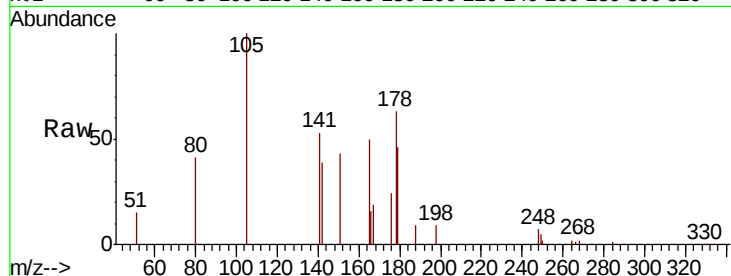
Tot Ion:178 Resp: 51812

Ion Ratio Lower Upper

178 100

176 25.6 15.6 23.4#

179 81.6 11.9 17.9#



#24

Anthracene

Concen: 0.378 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

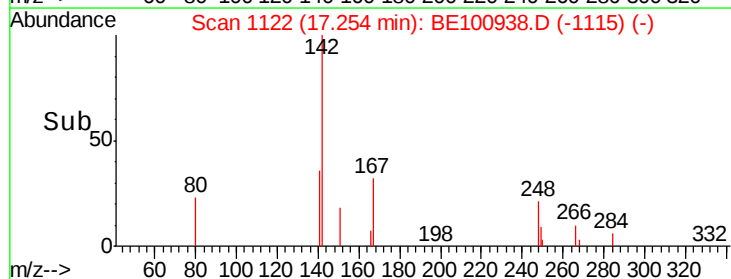
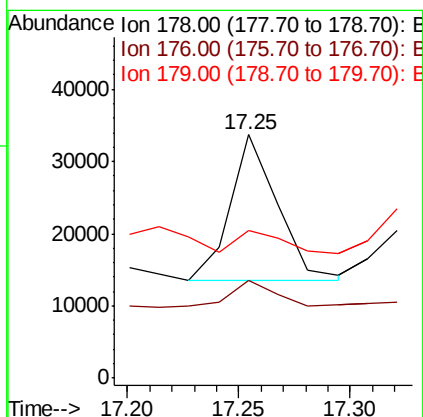
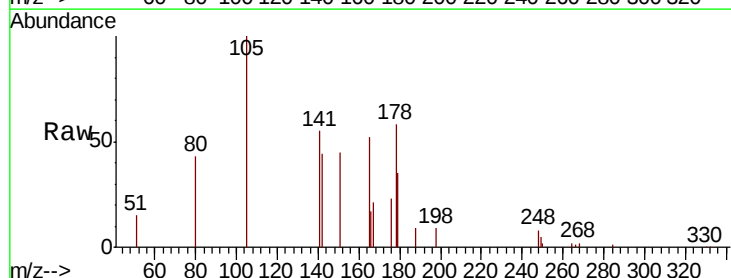
Tgt Ion:178 Resp: 29921

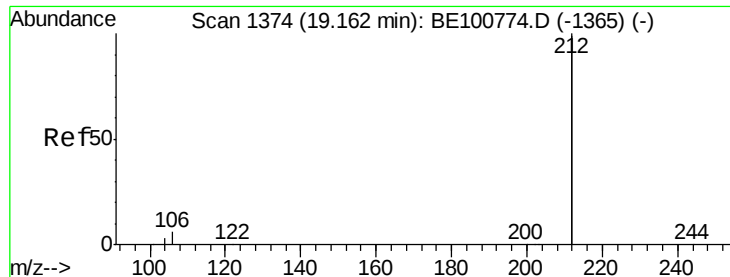
Ion Ratio Lower Upper

178 100

176 17.2 14.7 22.1

179 14.3 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

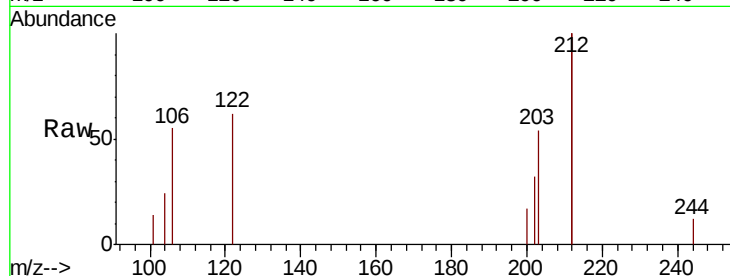
Tot Ion:212 Resp: 97614

Ion Ratio Lower Upper

212 100

106 4.1 2.6 4.0#

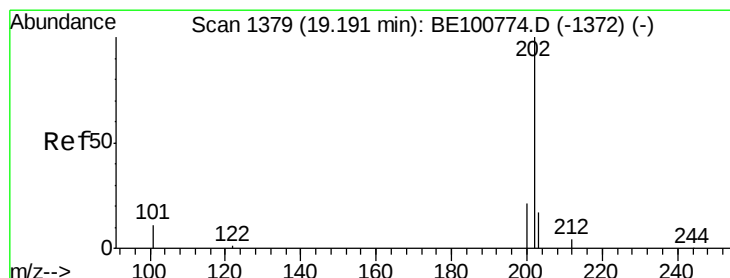
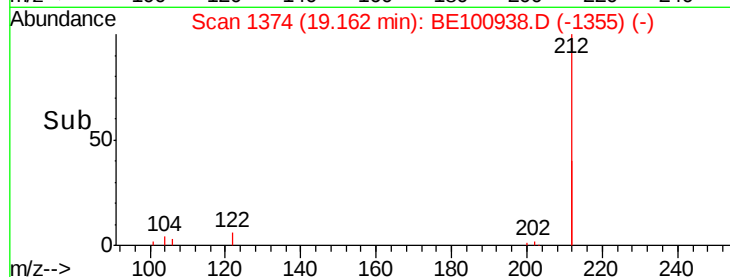
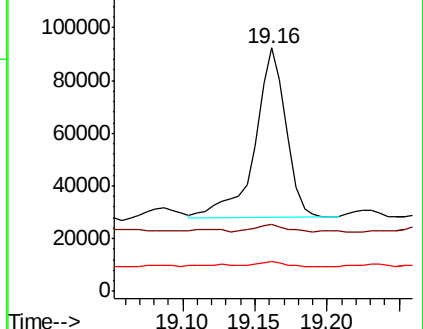
104 3.1 1.4 2.2#



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: 0.369 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

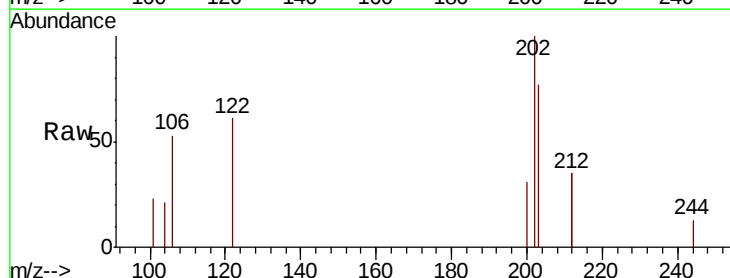
Tgt Ion:202 Resp: 41715

Ion Ratio Lower Upper

202 100

101 15.8 9.4 14.0#

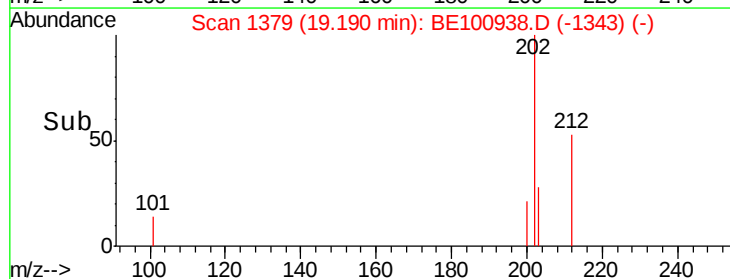
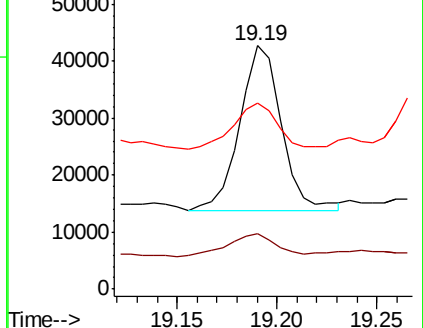
203 28.7 13.7 20.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

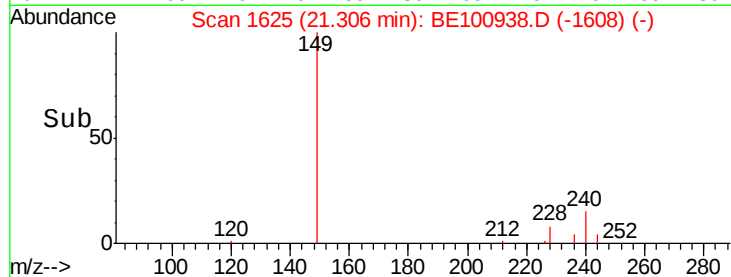
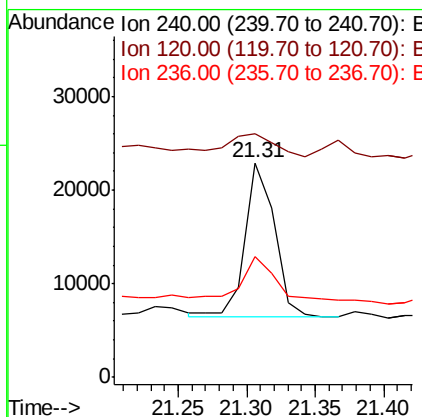
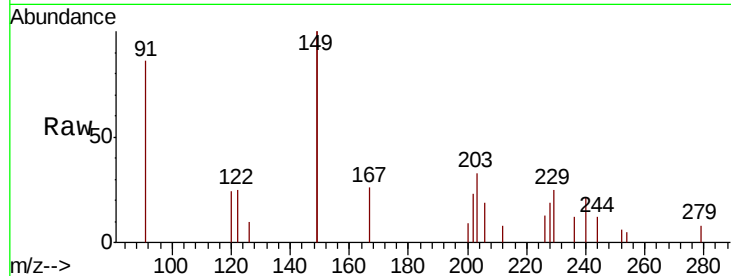




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

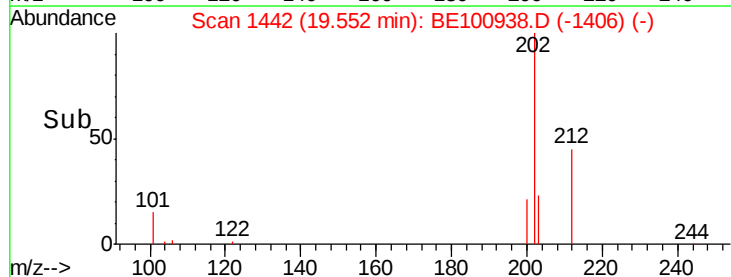
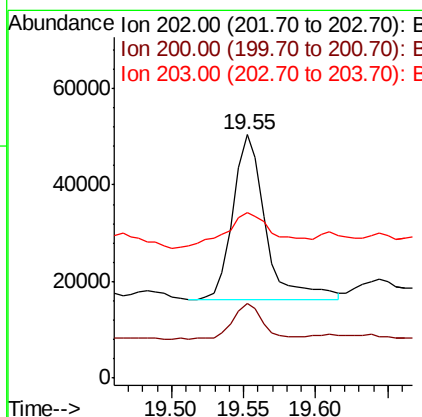
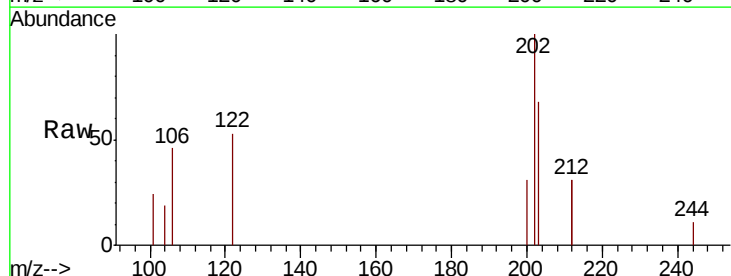
Instrument :
 BNA_E
 ClientSampleId :
 BE-216-COMP-SMSD

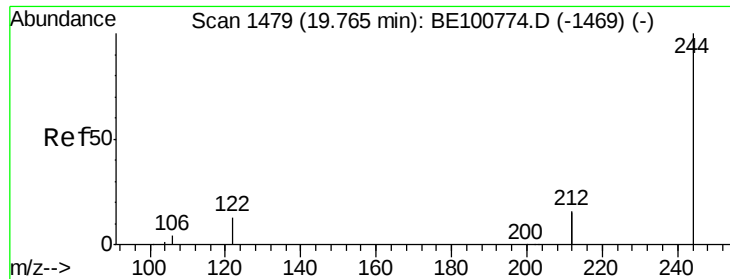
Tot Ion:240 Resp: 24380
 Ion Ratio Lower Upper
 240 100
 120 113.7 4.0 6.0#
 236 56.5 21.6 32.4#



#28
 Pyrene
 Concen: 0.681 ng
 RT: 19.55 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BE100938.D
 Acq: 17 Dec 2019 3:27

Tgt Ion:202 Resp: 53963
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.0 25.4
 203 32.5 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.278 ng

RT: 19.76 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

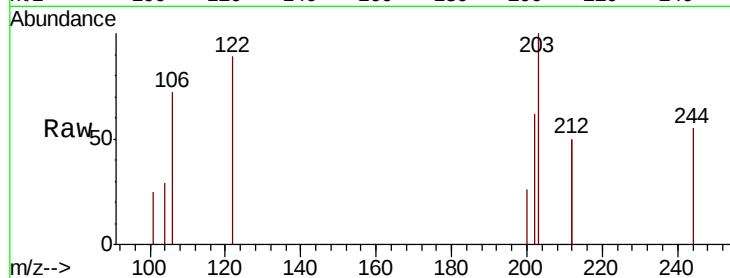
Tot Ion:244 Resp: 16216

Ion Ratio Lower Upper

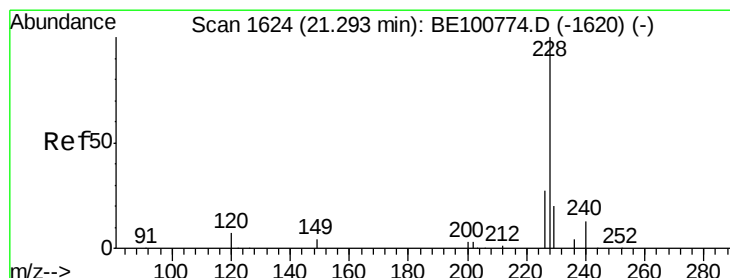
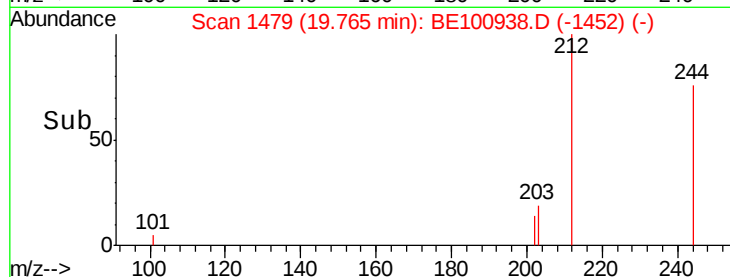
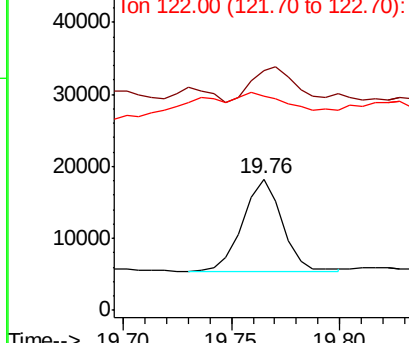
244 100

212 182.5 25.2 37.8#

122 163.5 8.9 13.3#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.615 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

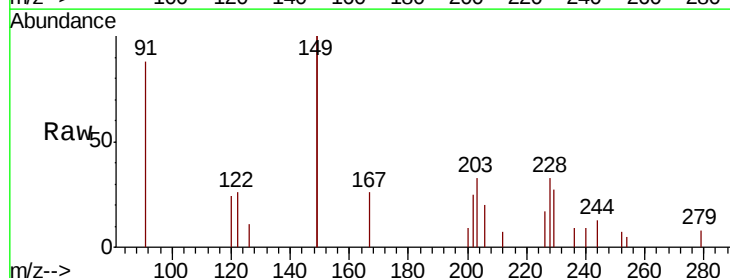
Tgt Ion:228 Resp: 44200

Ion Ratio Lower Upper

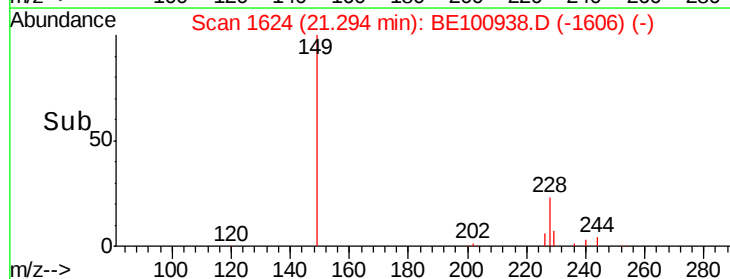
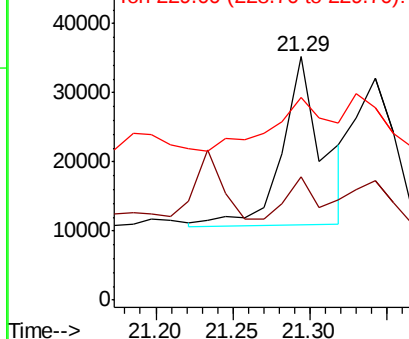
228 100

226 50.6 21.4 32.0#

229 83.2 15.8 23.6#



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: 0.439 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.01 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

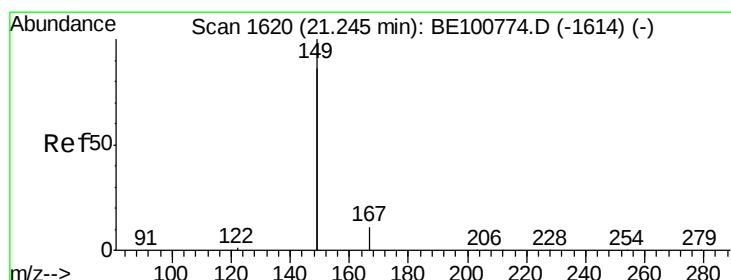
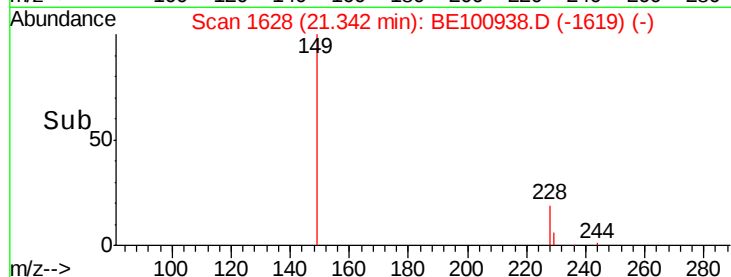
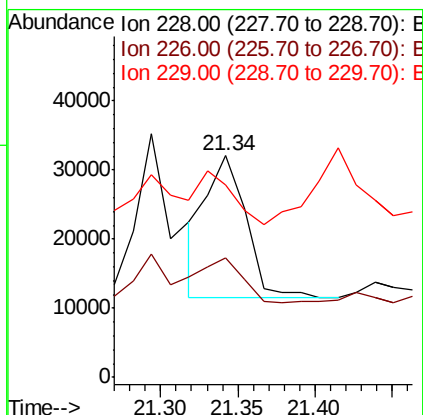
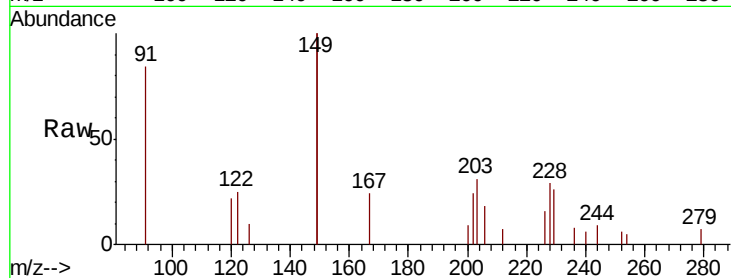
Tot Ion:228 Resp: 37054

Ion Ratio Lower Upper

228 100

226 53.7 25.3 37.9#

229 86.9 15.2 22.8#



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.910 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

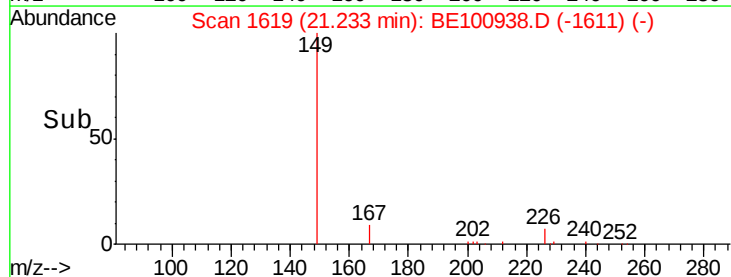
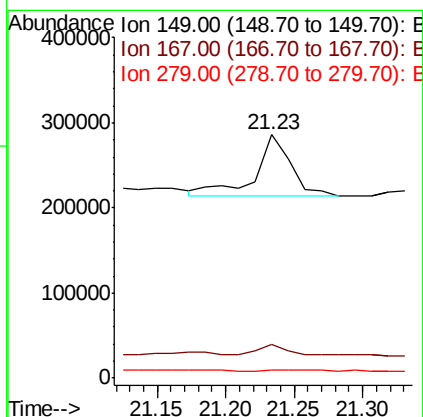
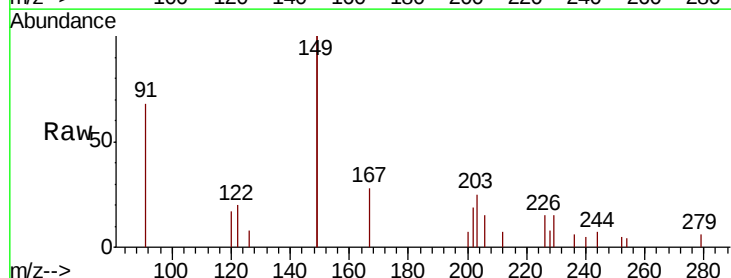
Tgt Ion:149 Resp: 131081

Ion Ratio Lower Upper

149 100

167 13.0 5.0 7.4#

279 0.0 0.6 1.0#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.489 ng

RT: 26.35 min Scan# 2892

Delta R.T. 0.04 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

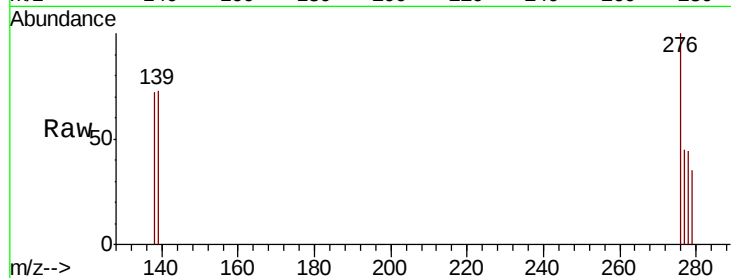
Tot Ion:276 Resp: 35980

Ion Ratio Lower Upper

276 100

138 38.3 18.4 27.6#

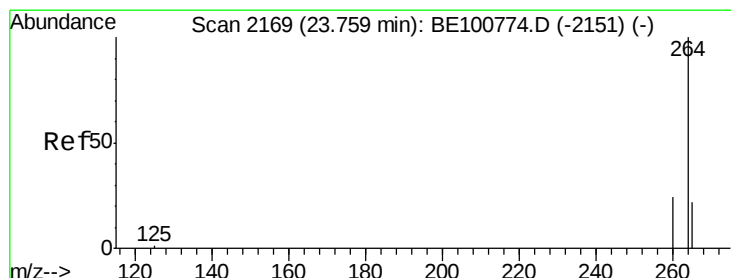
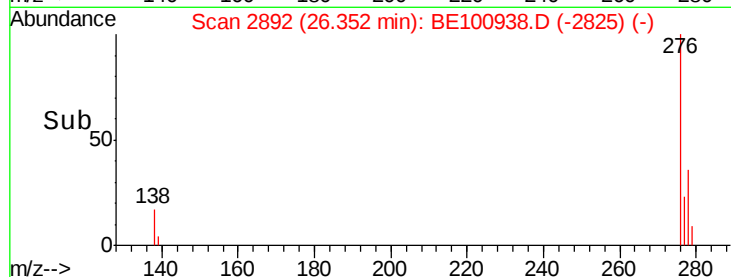
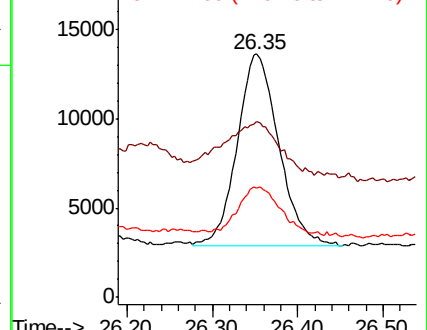
277 25.9 19.4 29.2



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: 23.77 min Scan# 2172

Delta R.T. 0.03 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

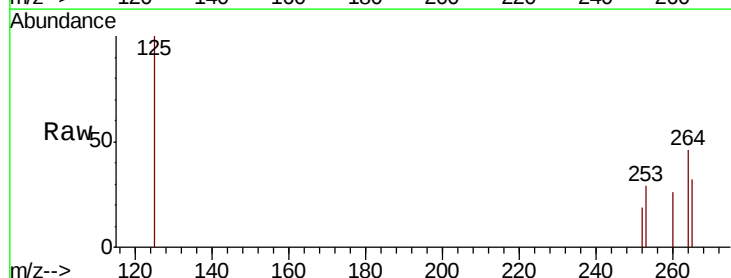
Tgt Ion:264 Resp: 29337

Ion Ratio Lower Upper

264 100

260 55.4 19.4 29.0#

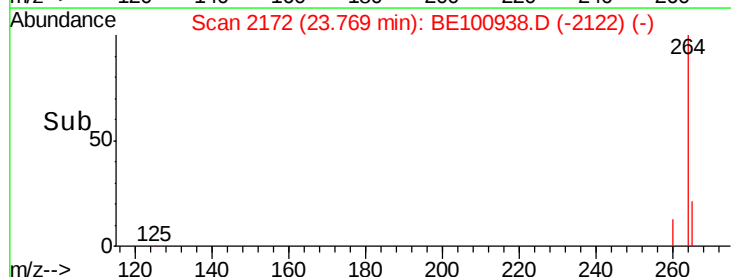
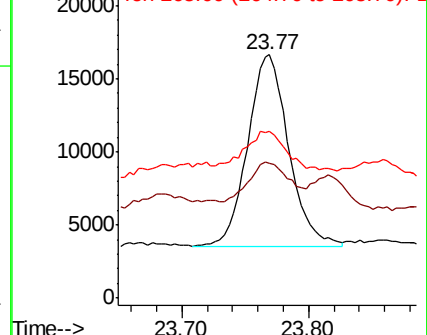
265 68.4 20.1 30.1#

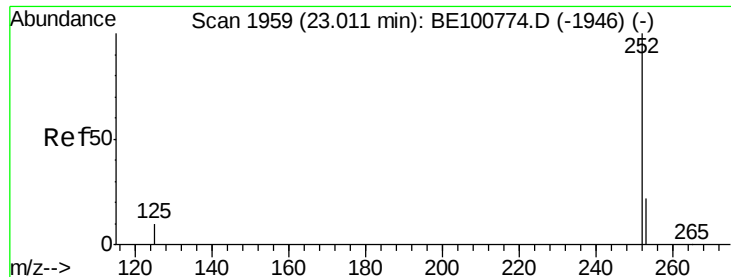


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.438 ng

RT: 23.01 min Scan# 1960

Delta R.T. 0.02 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

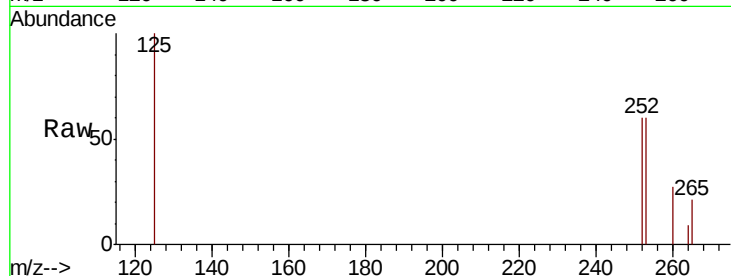
Tot Ion:252 Resp: 35170

Ion Ratio Lower Upper

252 100

253 99.8 17.8 26.6#

125 165.8 8.3 12.5#

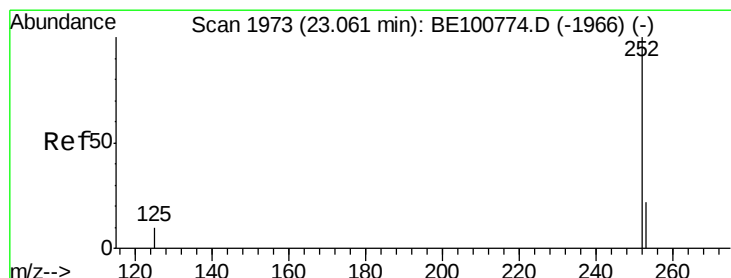
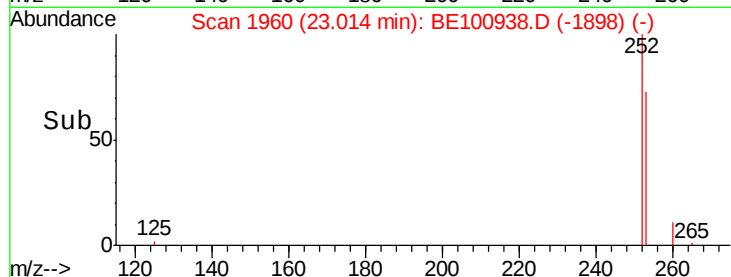
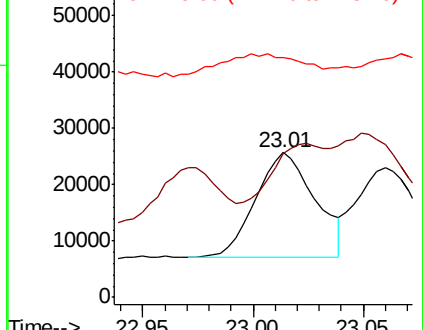


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.335 ng

RT: 23.06 min Scan# 1973

Delta R.T. 0.02 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

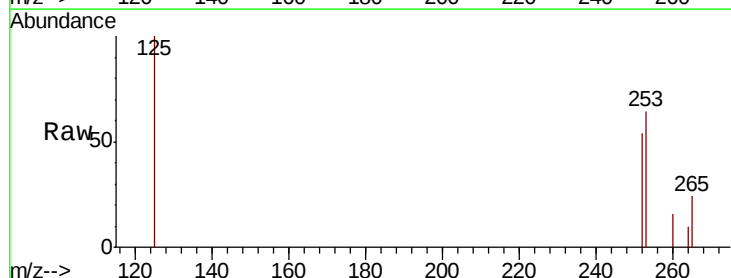
Tgt Ion:252 Resp: 30172

Ion Ratio Lower Upper

252 100

253 118.2 17.8 26.6#

125 184.3 9.4 14.0#

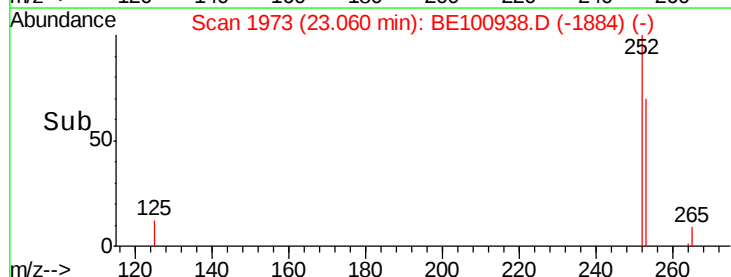
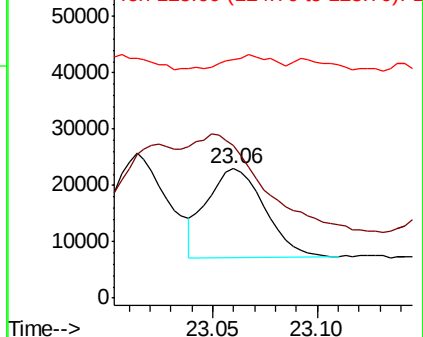


Abundance

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





#37

Benzo(a)pyrene

Concen: 0.496 ng

RT: 23.66 min Scan# 2140

Delta R.T. 0.02 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

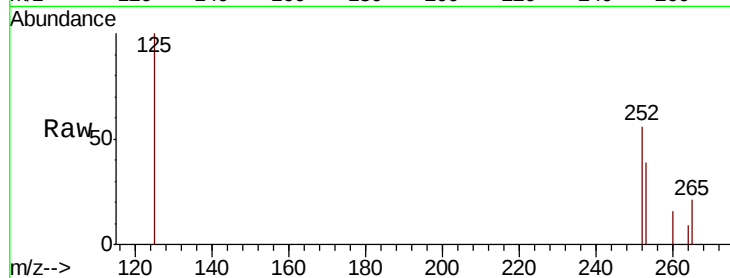
Tot Ion:252 Resp: 34503

Ion Ratio Lower Upper

252 100

253 69.9 17.8 26.8#

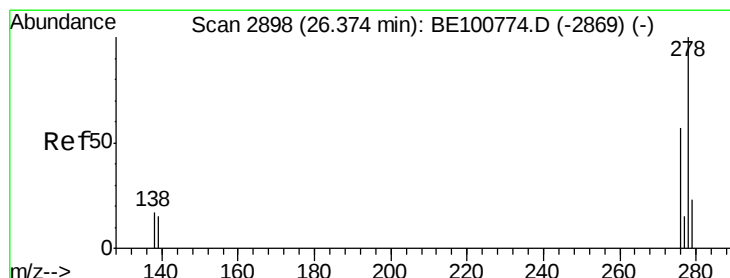
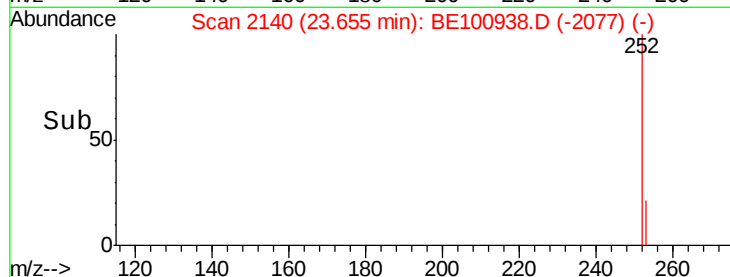
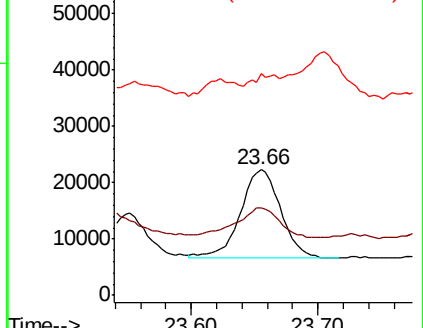
125 177.0 9.9 14.9#



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: 0.338 ng

RT: 26.38 min Scan# 2899

Delta R.T. 0.04 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

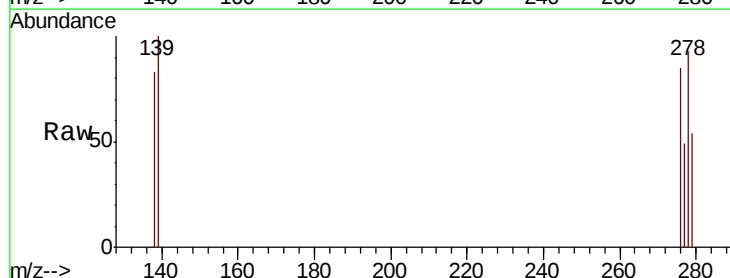
Tgt Ion:278 Resp: 23384

Ion Ratio Lower Upper

278 100

139 107.3 13.8 20.6#

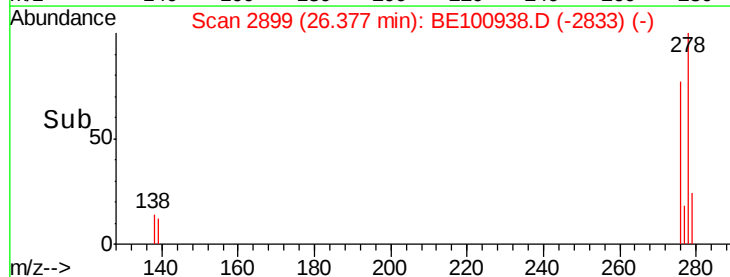
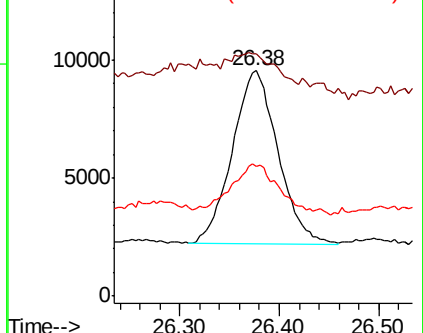
279 57.7 19.8 29.6#



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: 0.501 ng

RT: 27.14 min Scan# 3113

Delta R.T. 0.04 min

Lab File: BE100938.D

Acq: 17 Dec 2019 3:27

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-SMSD

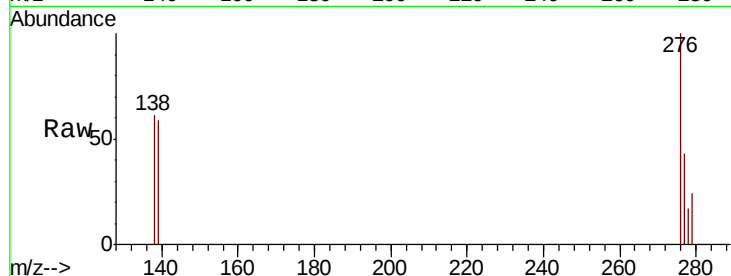
Tot Ion: 276 Resp: 37051

Ion Ratio Lower Upper

276 100

277 43.3 19.7 29.5#

138 61.4 18.0 27.0#



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

