

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE040319\
 Data File : BE099289.D
 Acq On : 3 Apr 2019 13:45
 Operator : JU/SJ
 Sample : K1560-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Quant Time: Apr 04 03:42:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	3201	0.40	ng	-0.03
7) Naphthalene-d8	10.61	136	11925	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	7828	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	23693	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	33039	0.40	ng	-0.02
34) Perylene-d12	23.86	264	34116	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	3234	0.38	ng	-0.03
5) Phenol-d6	6.97	99	4310	0.37	ng	-0.01
8) Nitrobenzene-d5	8.98	82	3073	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	7325	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	1100	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	12266	0.40	ng	-0.01
25) Fluoranthene-d10	19.22	212	109093	0.35	ng	-0.02
29) Terphenyl-d14	19.82	244	26154	0.43	ng	-0.02

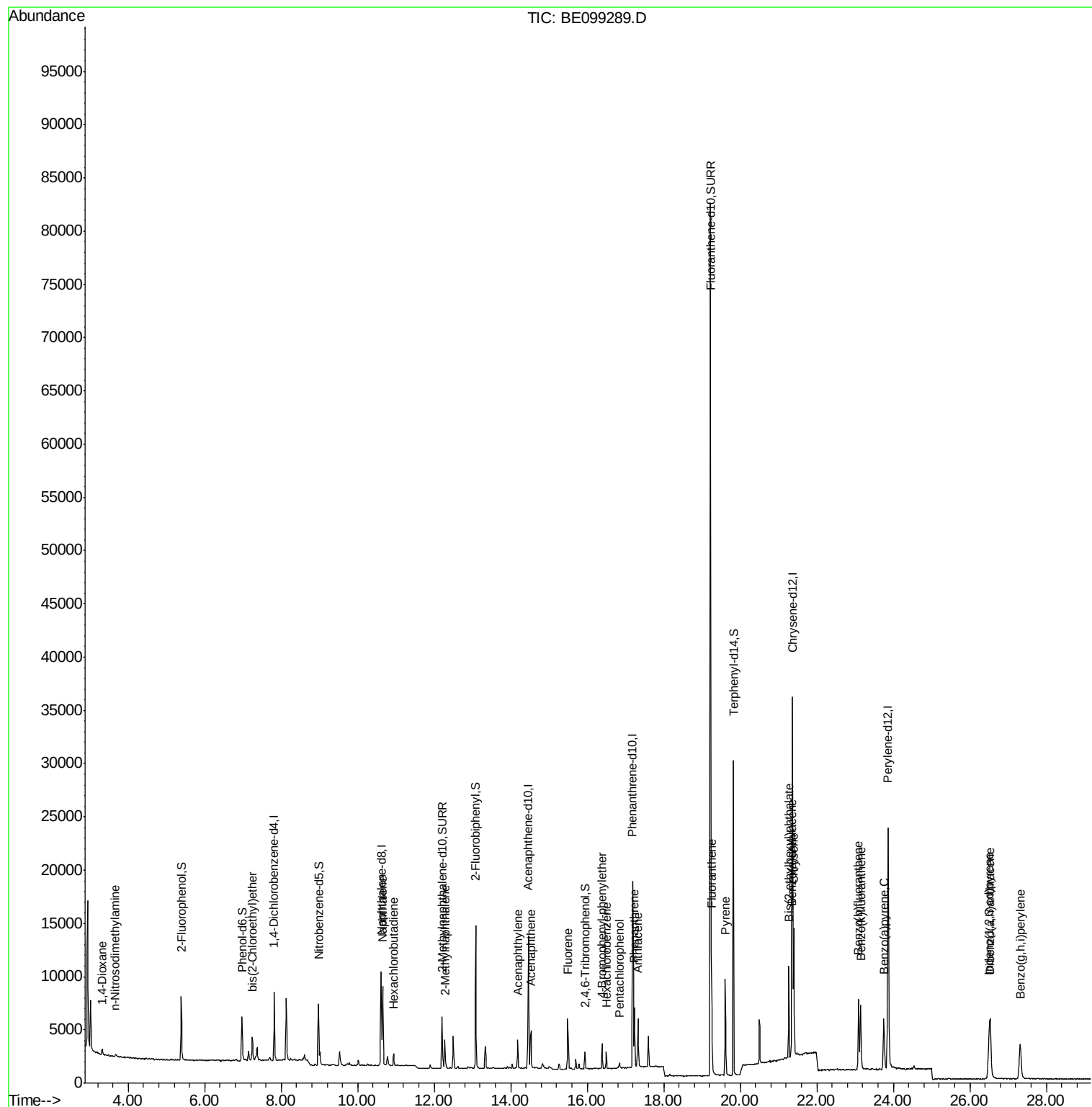
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	587	0.135	ng	# 84
3) n-Nitrosodimethylamine	3.67	42	142	0.055	ng	# 67
6) bis(2-Chloroethyl)ether	7.24	93	1012	0.097	ng	# 86
9) Naphthalene	10.65	128	12203	0.094	ng	98
10) Hexachlorobutadiene	10.94	225	774	0.092	ng	97
12) 2-Methylnaphthalene	12.28	142	2000	0.091	ng	100
16) Acenaphthylene	14.18	152	3160	0.085	ng	99
17) Acenaphthene	14.53	154	2037	0.093	ng	97
18) Fluorene	15.49	166	2857	0.090	ng	97
20) 4-Bromophenyl-phenylether	16.39	248	1181	0.088	ng	# 84
21) Hexachlorobenzene	16.49	284	1202	0.094	ng	97
22) Pentachlorophenol	16.84	266	287	0.054	ng	98
23) Phenanthrene	17.23	178	5924	0.097	ng	98
24) Anthracene	17.32	178	4785	0.083	ng	100
26) Fluoranthene	19.25	202	8245	0.091	ng	99
28) Pyrene	19.61	202	8351	0.096	ng	100
30) Benzo(a)anthracene	21.34	228	9178	0.088	ng	96
31) Chrysene	21.40	228	9818	0.096	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	9079	0.068	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	10269	0.088	ng	98
35) Benzo(b)fluoranthene	23.09	252	9267	0.091	ng	# 93
36) Benzo(k)fluoranthene	23.15	252	9143	0.092	ng	# 94
37) Benzo(a)pyrene	23.75	252	8172	0.085	ng	# 90
38) Dibenzo(a,h)anthracene	26.54	278	8422	0.088	ng	95
39) Benzo(g,h,i)perylene	27.31	276	8725	0.092	ng	97

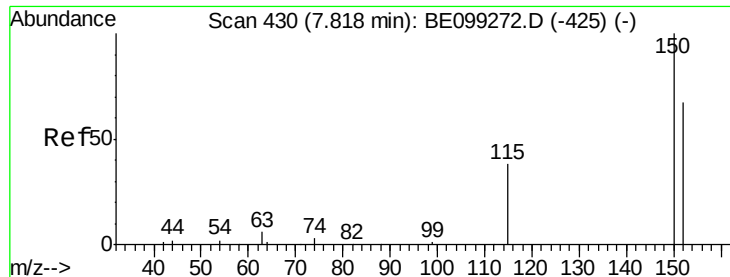
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE040319\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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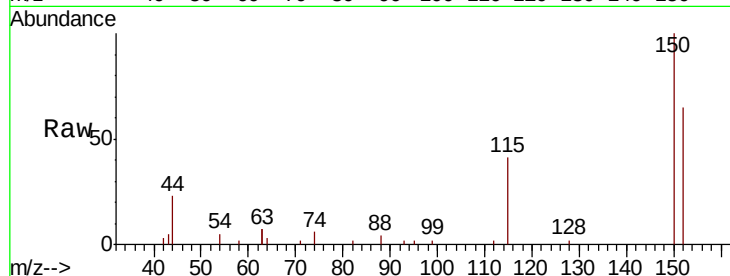


#1

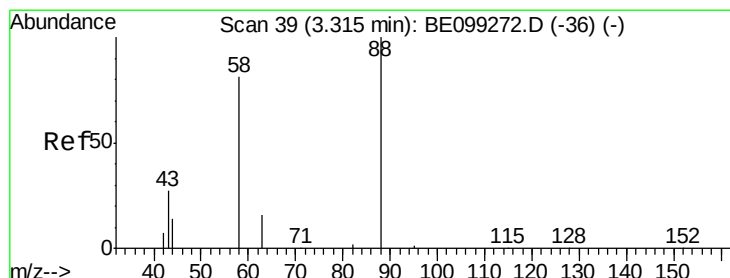
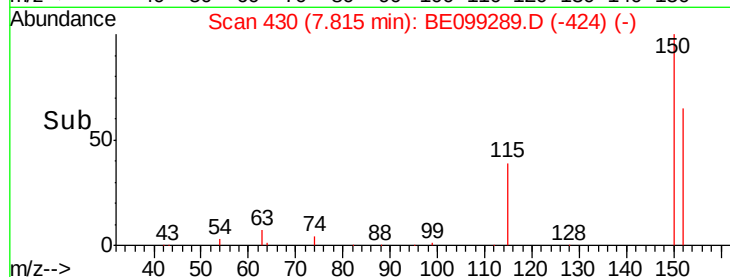
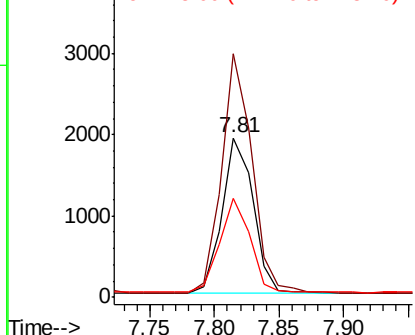
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tot Ion:152 Resp: 3201
Ion Ratio Lower Upper
152 100
150 152.8 112.8 169.2
115 62.2 45.1 67.7



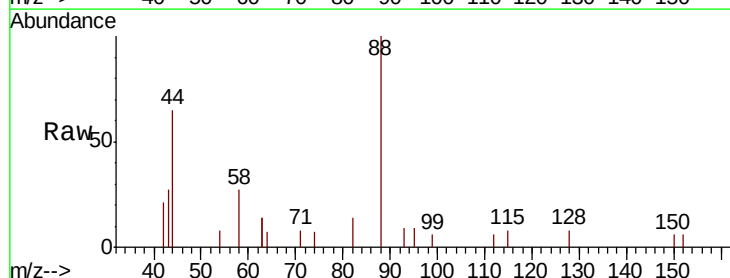
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



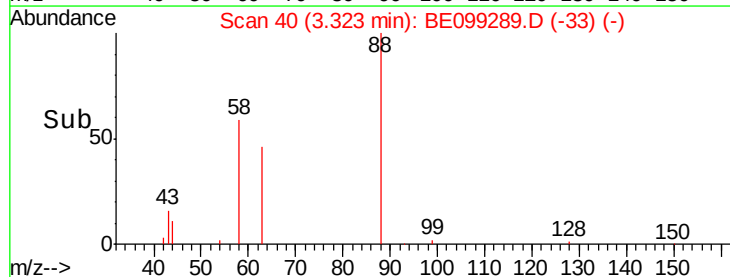
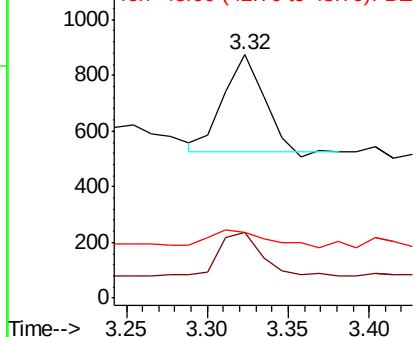
#2

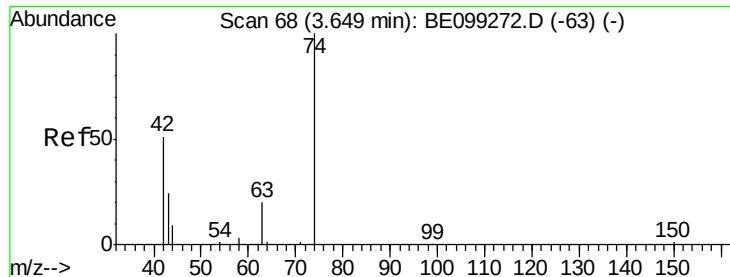
1,4-Dioxane
Concen: 0.135 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion: 88 Resp: 587
Ion Ratio Lower Upper
88 100
58 48.9 47.4 71.0
43 29.3 15.6 23.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



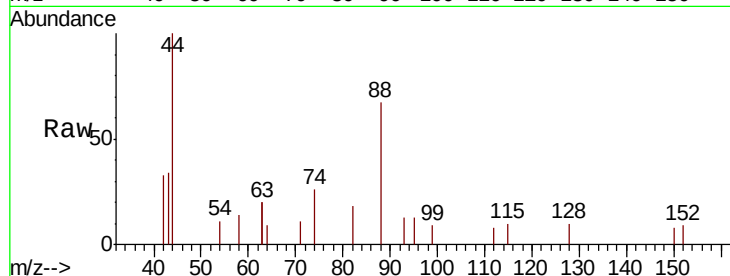


#3

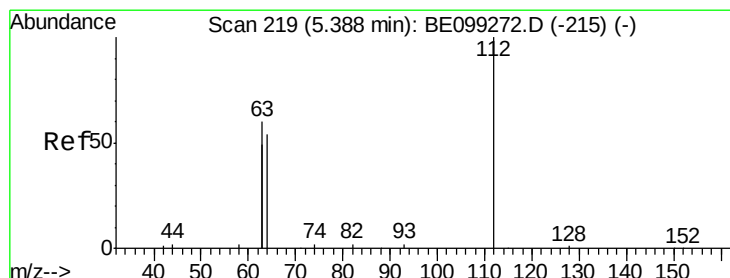
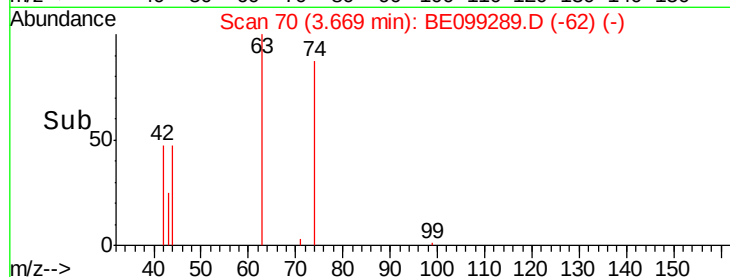
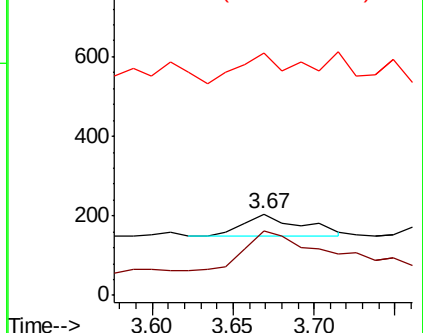
n-Nitrosodimethylamine
 Concen: 0.055 ng
 RT: 3.67 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: BE099289.D
 Acq: 3 Apr 2019 13:45

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tot Ion: 42 Resp: 142
 Ion Ratio Lower Upper
 42 100
 74 200.7 138.6 207.8
 44 88.7 15.0 22.6#



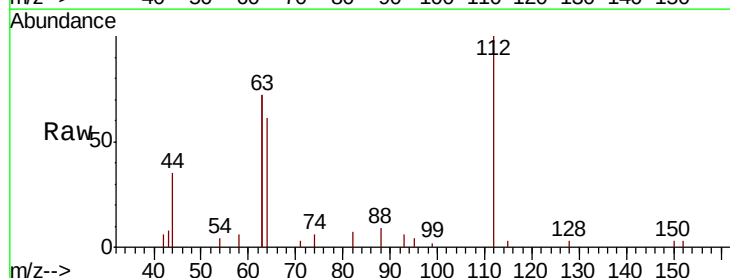
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



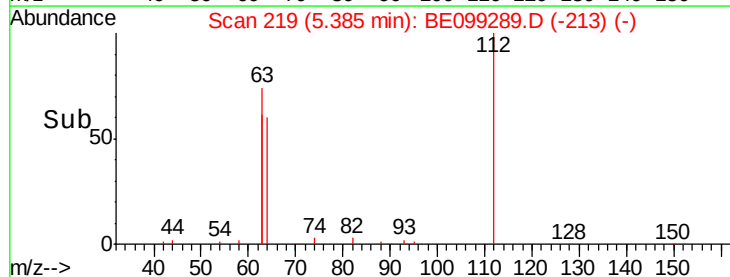
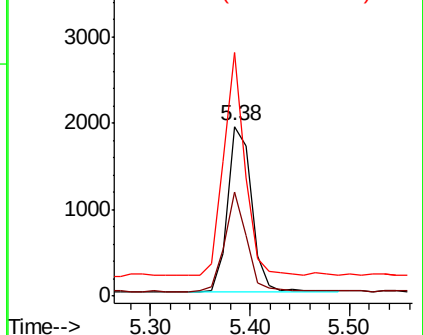
#4

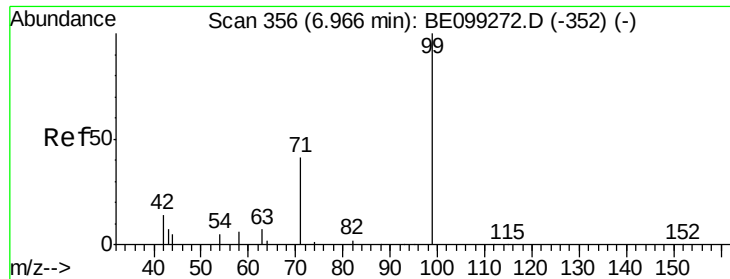
2-Fluorophenol
 Concen: 0.380 ng
 RT: 5.38 min Scan# 219
 Delta R.T. -0.03 min
 Lab File: BE099289.D
 Acq: 3 Apr 2019 13:45

Tgt Ion: 112 Resp: 3234
 Ion Ratio Lower Upper
 112 100
 64 54.5 46.2 69.2
 63 116.8 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.369 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

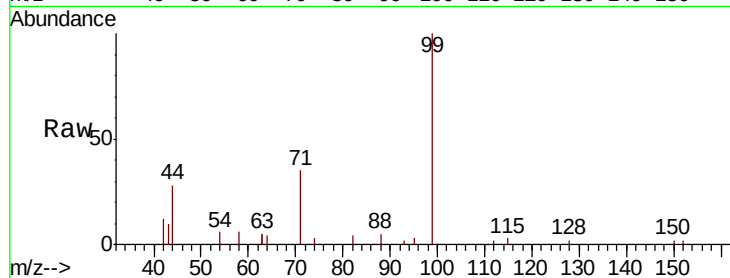
Tot Ion: 99 Resp: 4310

Ion Ratio Lower Upper

99 100

42 16.2 12.4 18.6

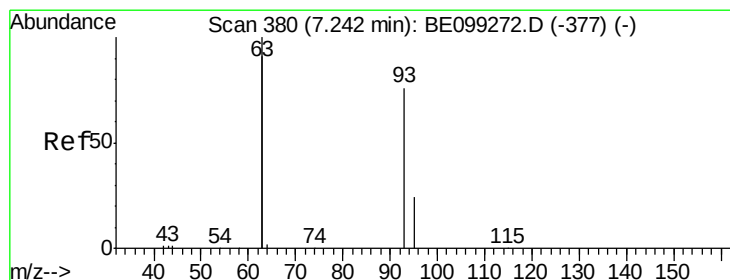
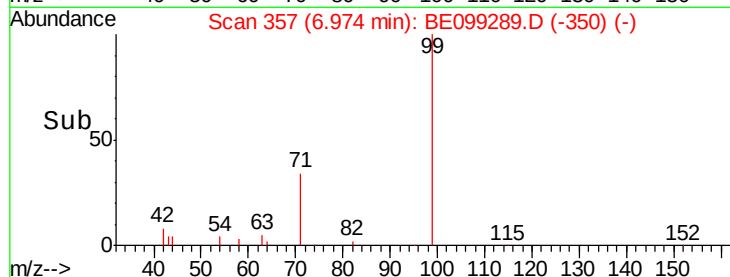
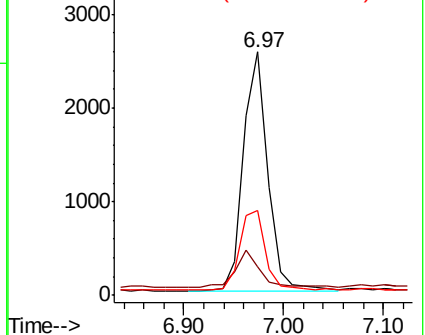
71 35.3 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.097 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

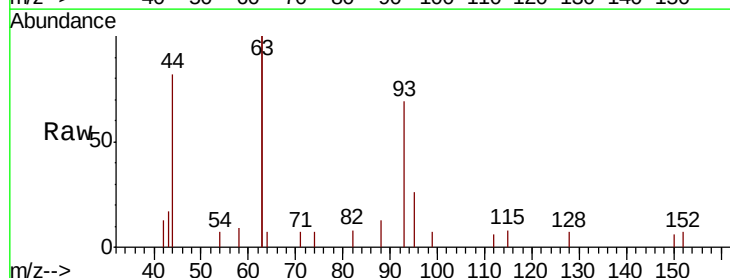
Tgt Ion: 93 Resp: 1012

Ion Ratio Lower Upper

93 100

63 249.6 221.4 332.0

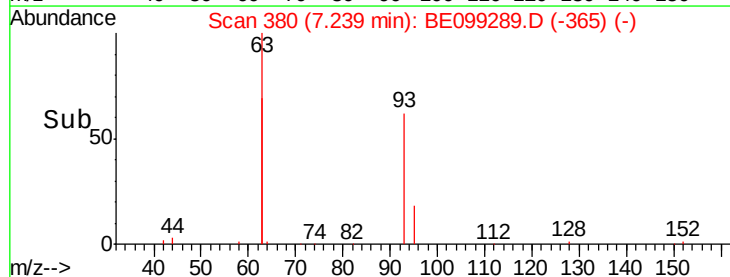
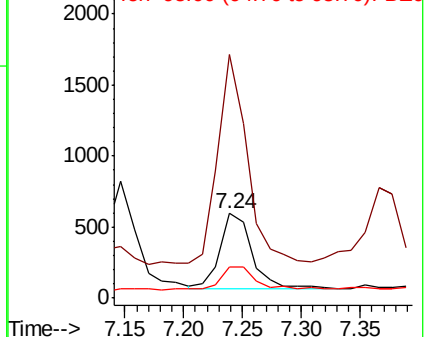
95 39.0 25.8 38.8#

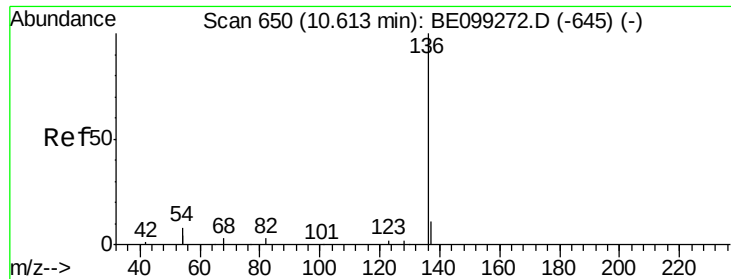


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

Tot Ion:136 Resp: 11925

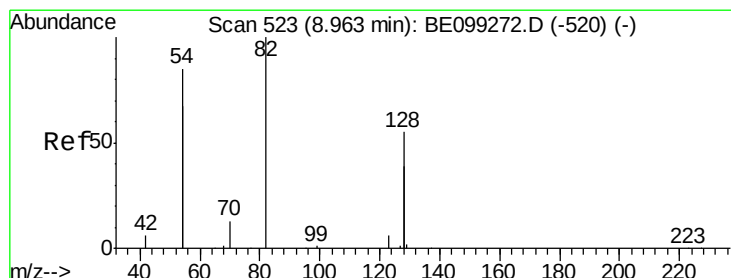
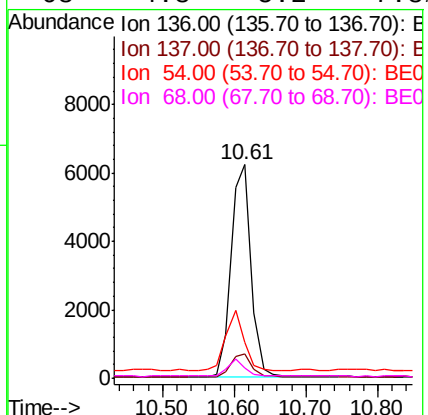
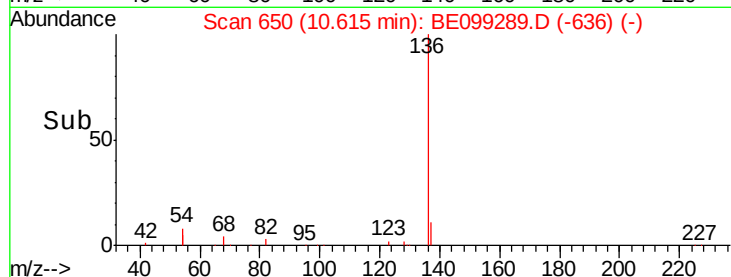
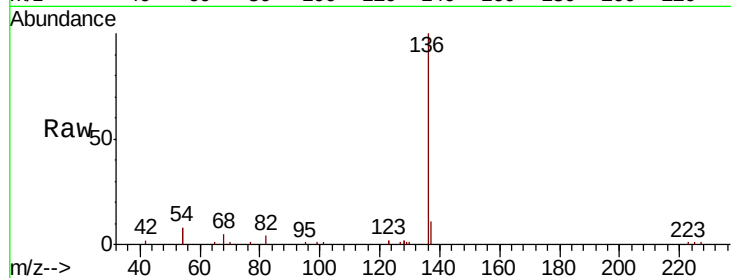
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 16.8 18.7 28.1#

68 4.8 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.375 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

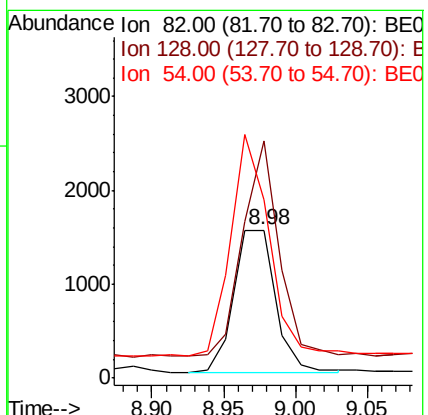
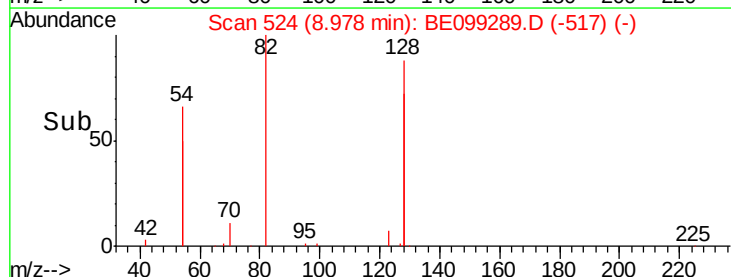
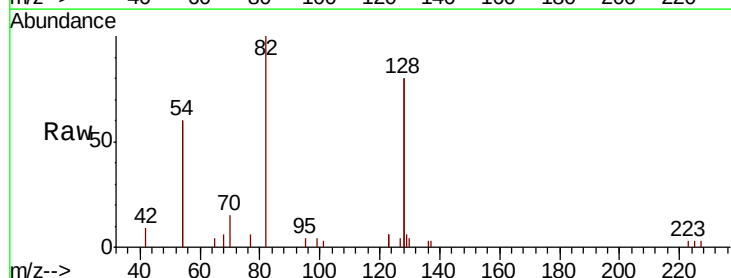
Tgt Ion: 82 Resp: 3073

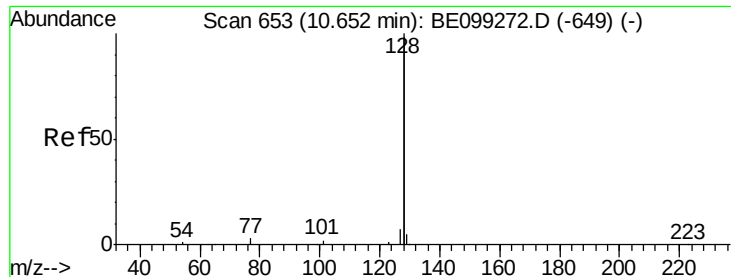
Ion Ratio Lower Upper

82 100

128 160.5 107.5 161.3

54 120.8 106.3 159.5





#9

Naphthalene

Concen: 0.094 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

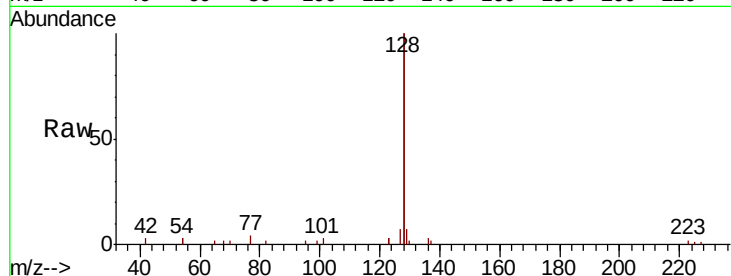
Tot Ion:128 Resp: 12203

Ion Ratio Lower Upper

128 100

129 3.5 2.3 3.5

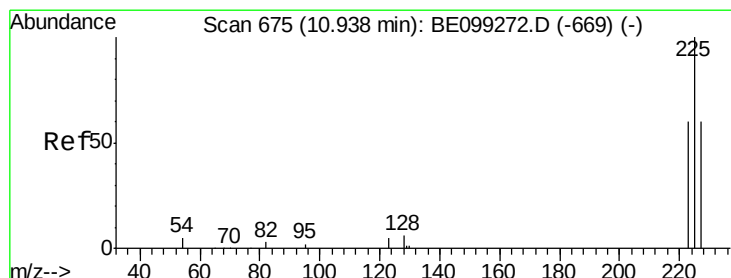
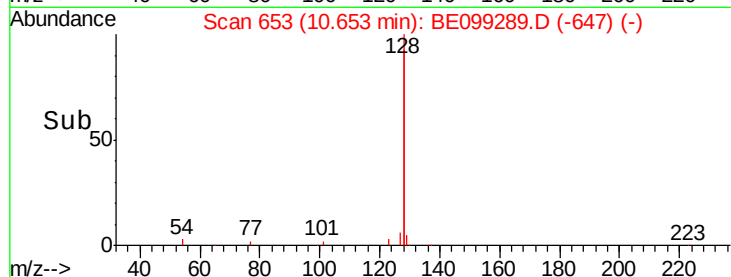
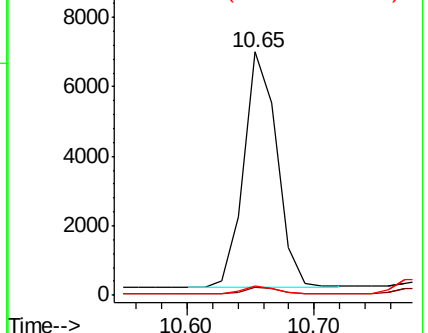
127 3.6 2.6 3.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.092 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

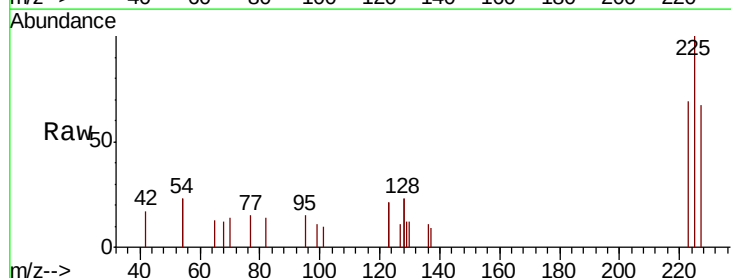
Tgt Ion:225 Resp: 774

Ion Ratio Lower Upper

225 100

223 68.2 51.3 76.9

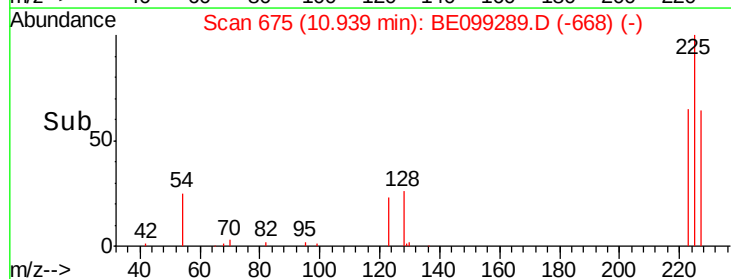
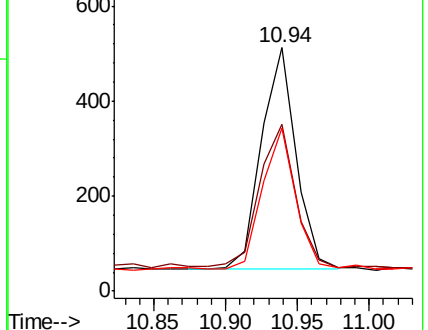
227 60.5 48.6 73.0

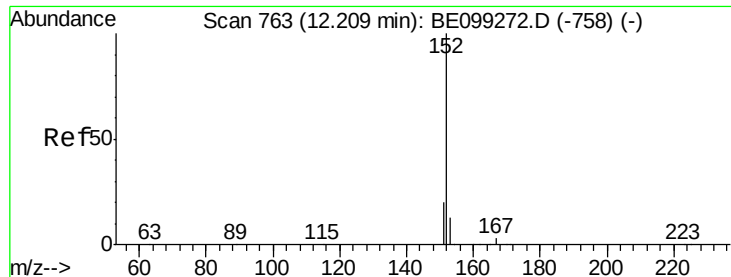


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

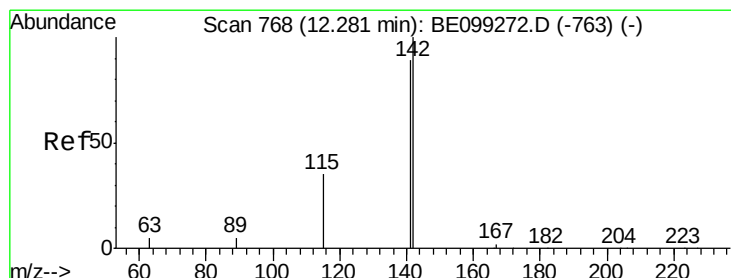
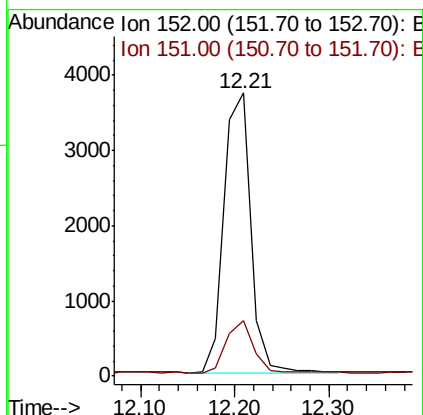
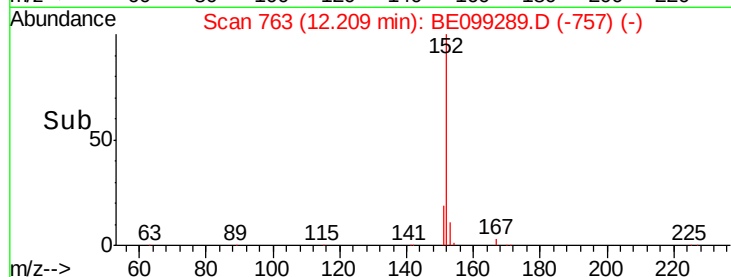
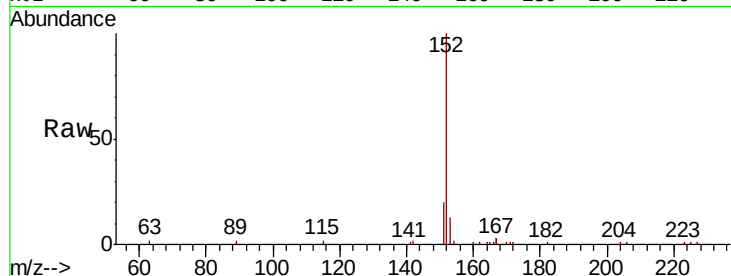




#11
 2-Methylnaphthalene-d10
 Concen: 0.352 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099289.D
 Acq: 3 Apr 2019 13:45

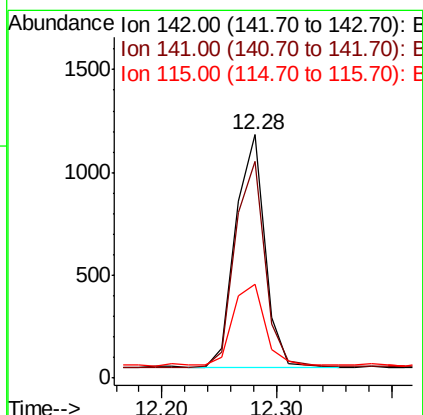
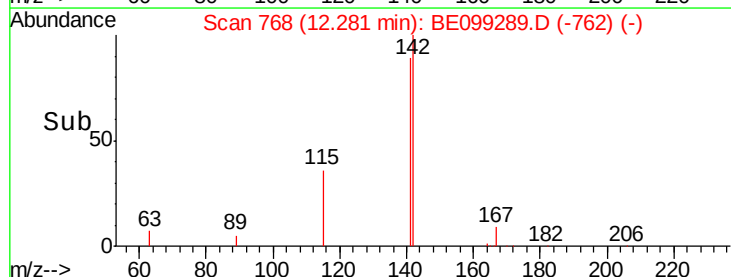
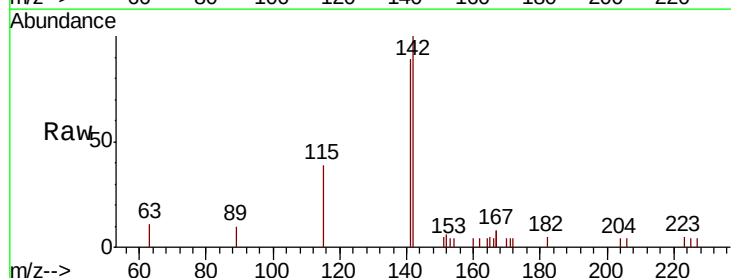
Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

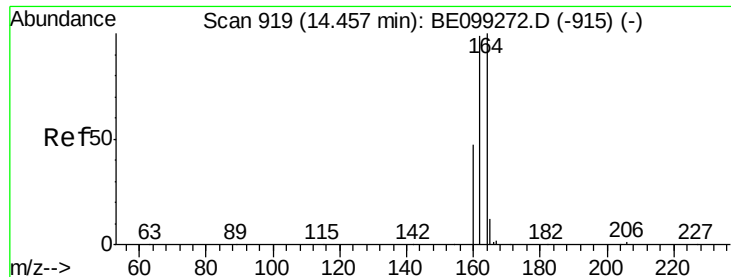
Tot Ion:152 Resp: 7325
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.091 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BE099289.D
 Acq: 3 Apr 2019 13:45

Tgt Ion:142 Resp: 2000
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.3 106.9
 115 38.5 30.4 45.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

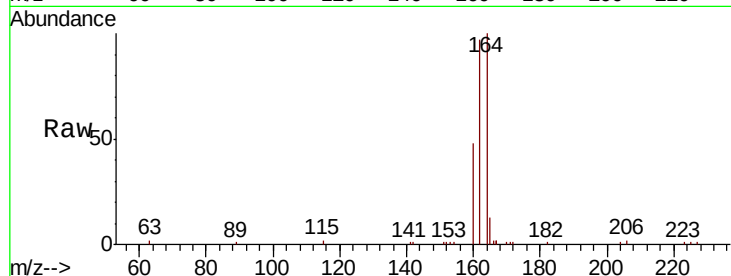
Tot Ion:164 Resp: 7828

Ion Ratio Lower Upper

164 100

162 97.5 79.2 118.8

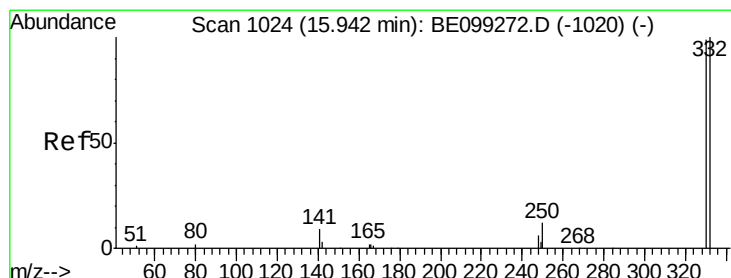
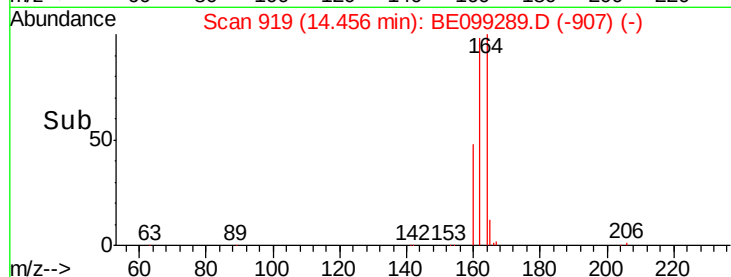
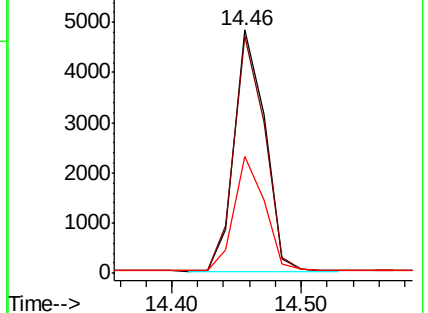
160 48.1 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.305 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

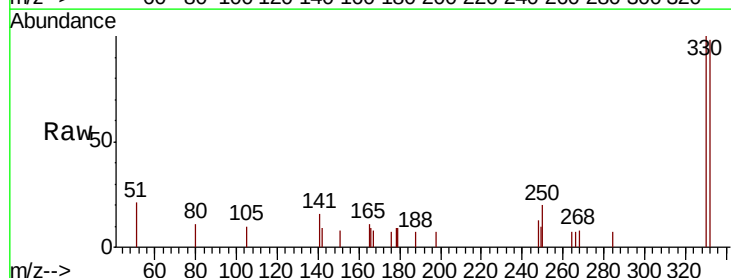
Tgt Ion:330 Resp: 1100

Ion Ratio Lower Upper

330 100

332 96.4 71.3 106.9

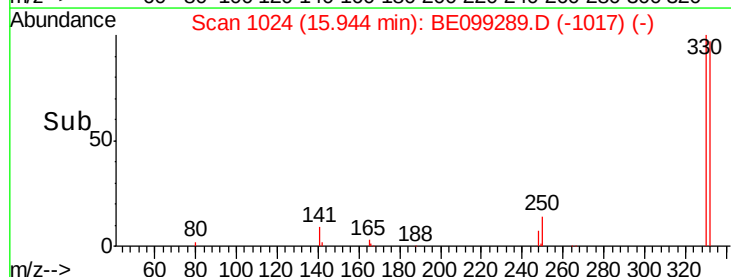
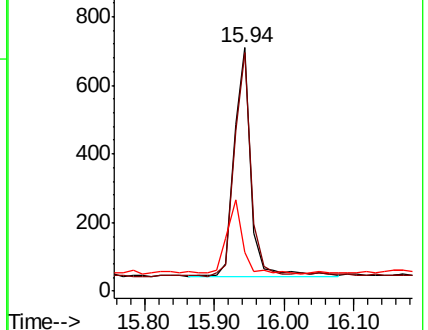
141 30.9 21.7 32.5

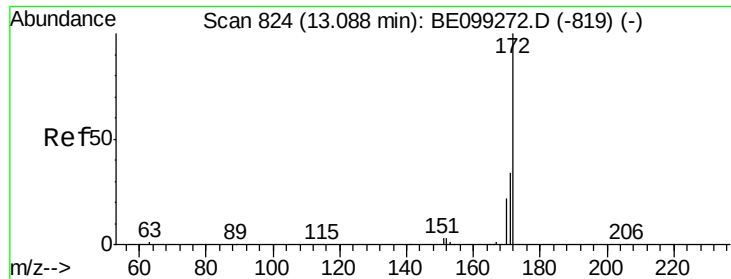


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

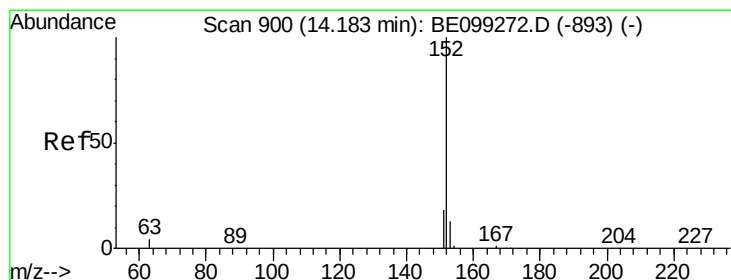
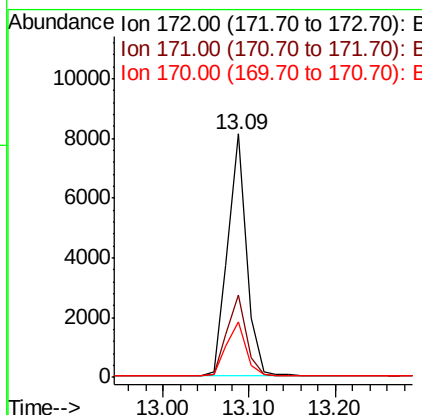
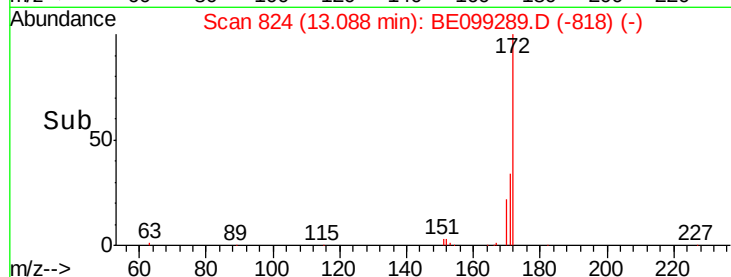
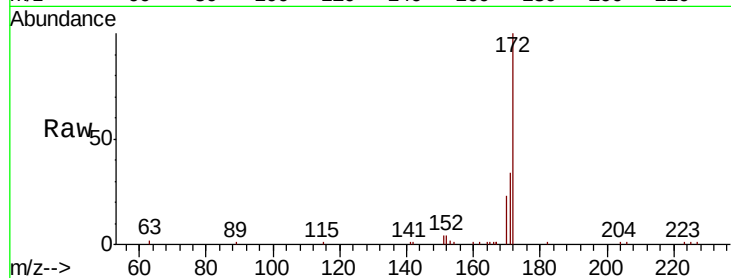




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

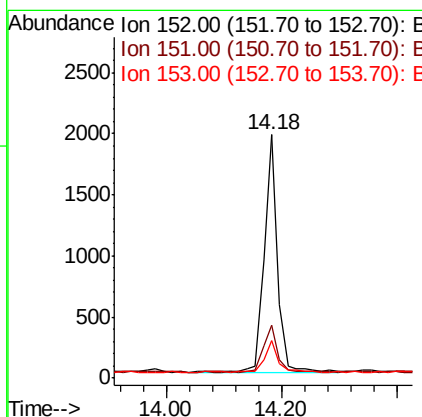
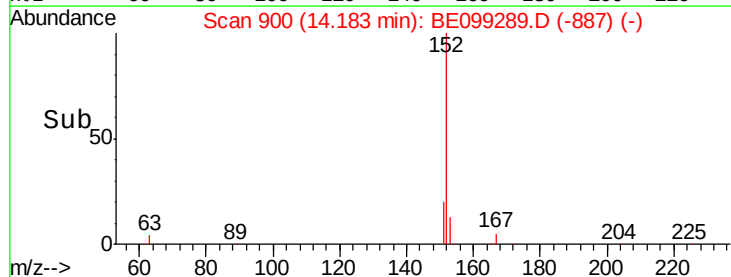
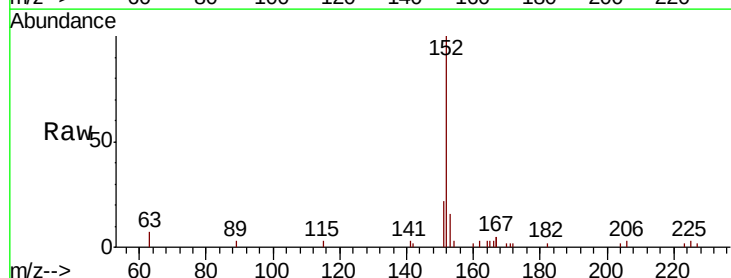
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

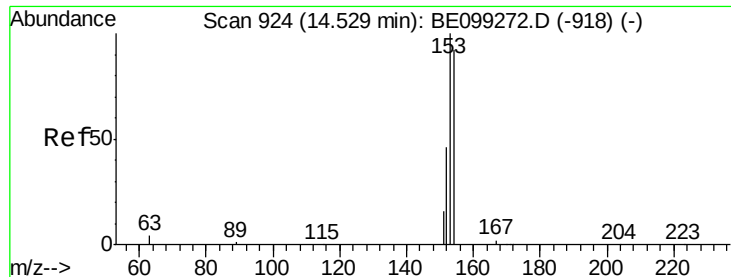
Tot Ion:172 Resp: 12266
Ion Ratio Lower Upper
172 100
171 33.9 27.4 41.0
170 22.6 19.1 28.7



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:152 Resp: 3160
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.2 10.6 15.8

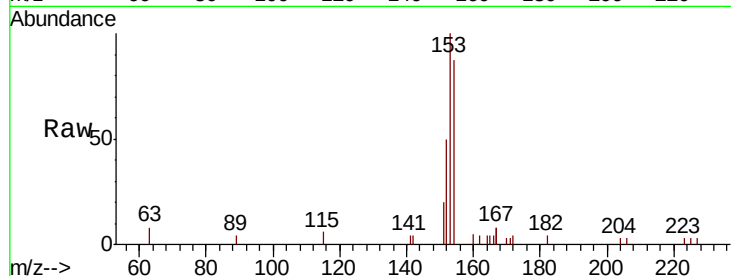




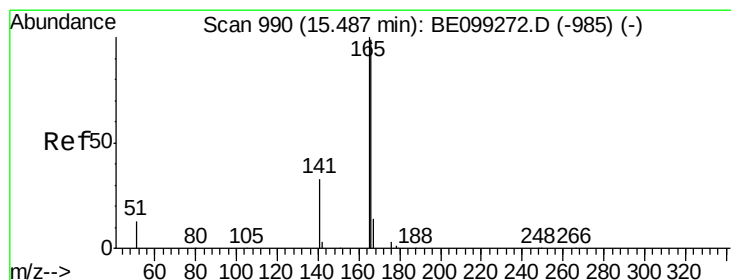
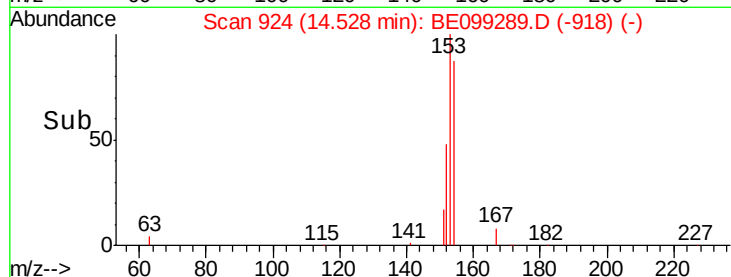
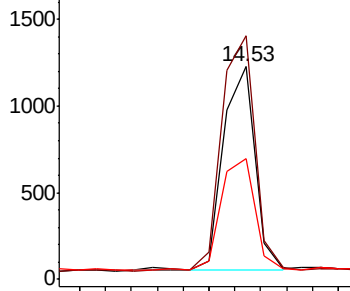
#17
Acenaphthene
Concen: 0.093 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

Tot Ion:154 Resp: 2037
Ion Ratio Lower Upper
154 100
153 120.3 93.4 140.0
152 57.4 46.6 69.8

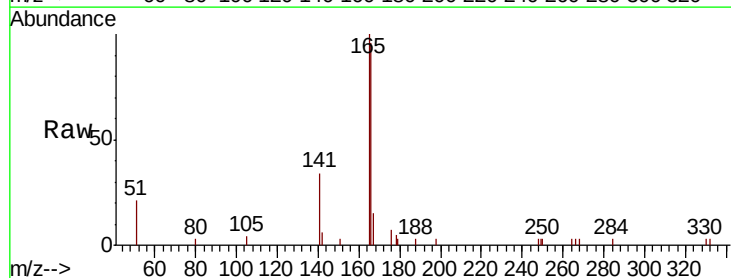


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

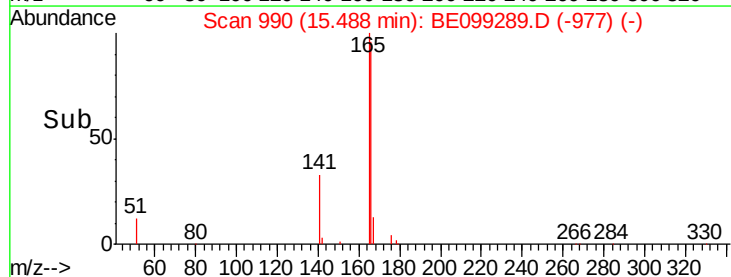
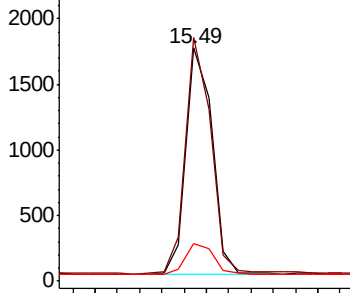


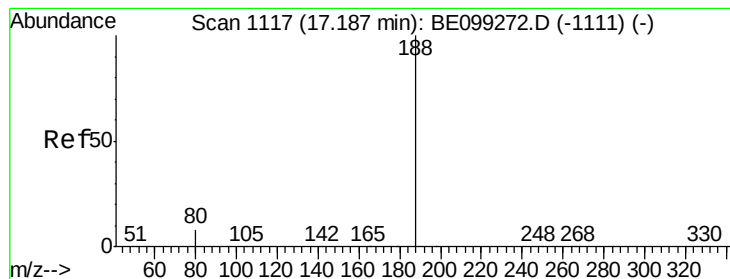
#18
Fluorene
Concen: 0.090 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:166 Resp: 2857
Ion Ratio Lower Upper
166 100
165 101.2 78.9 118.3
167 14.8 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

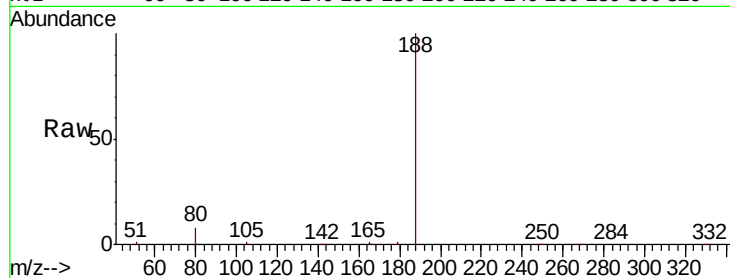
Tot Ion:188 Resp: 23693

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

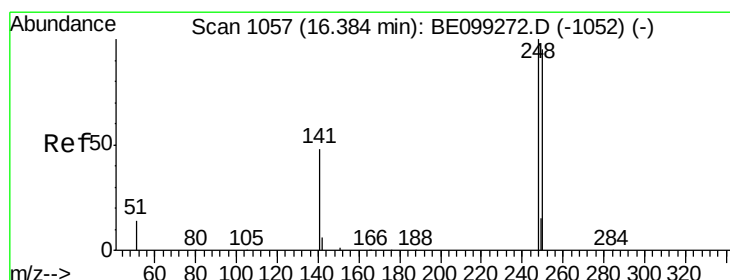
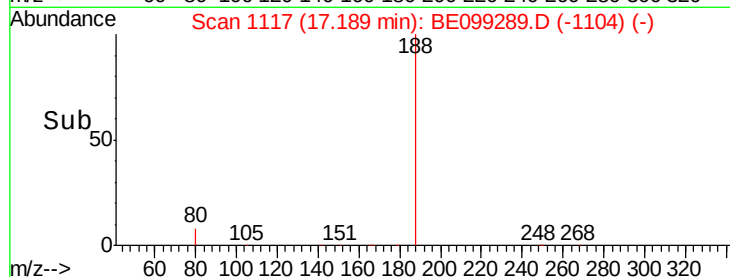
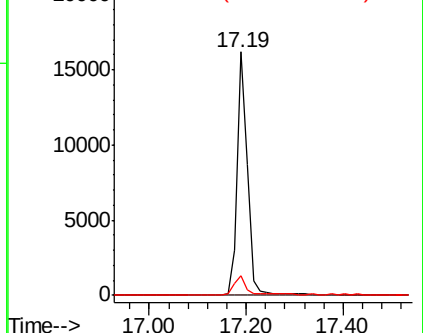
80 8.1 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.088 ng

RT: 16.39 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

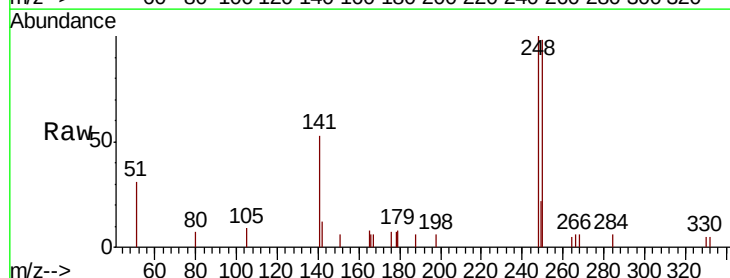
Tgt Ion:248 Resp: 1181

Ion Ratio Lower Upper

248 100

250 98.3 84.2 126.2

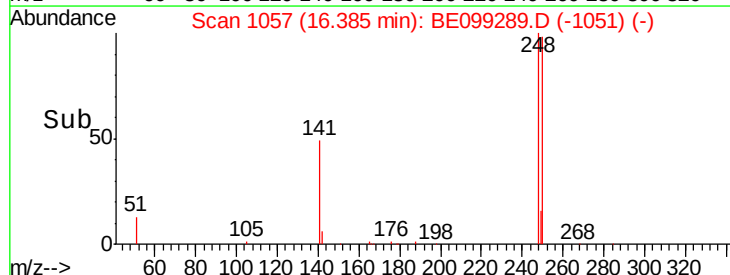
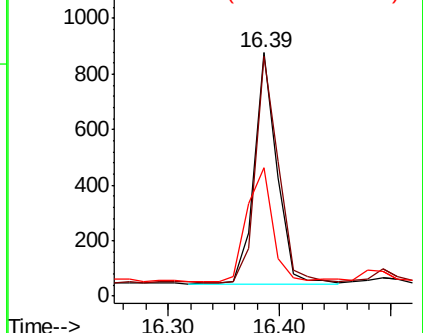
141 53.0 21.8 32.6#

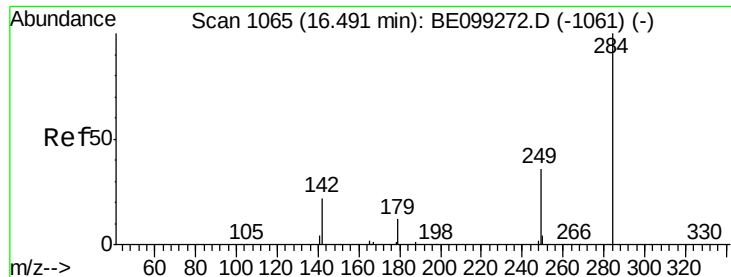


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.094 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

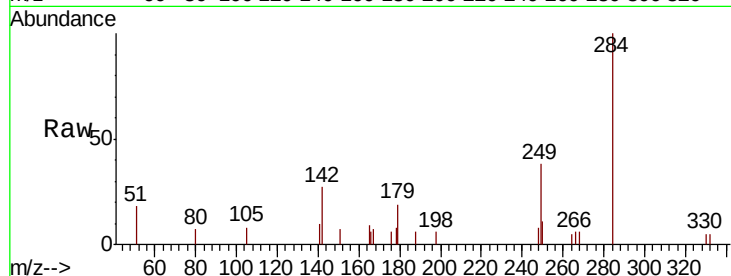
Tot Ion:284 Resp: 1202

Ion Ratio Lower Upper

284 100

142 29.3 22.7 34.1

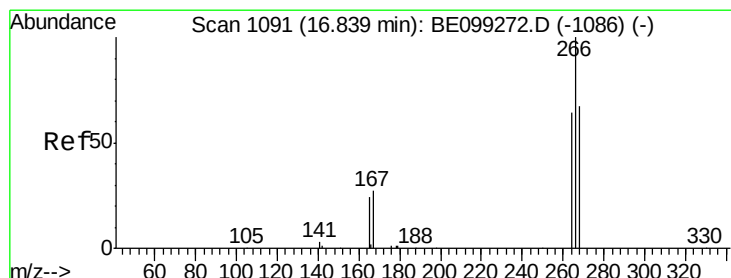
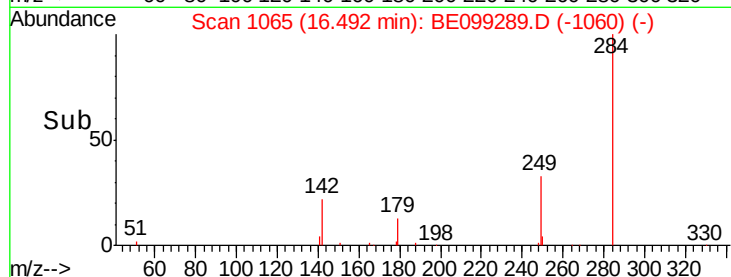
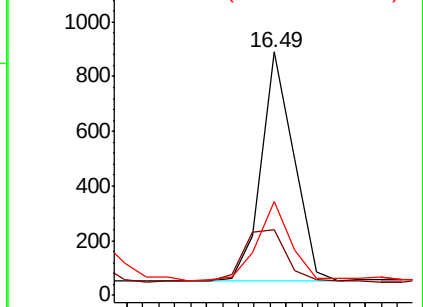
249 35.7 26.9 40.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.054 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

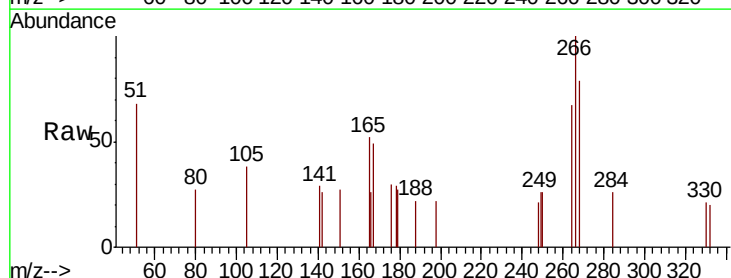
Tgt Ion:266 Resp: 287

Ion Ratio Lower Upper

266 100

264 67.4 54.4 81.6

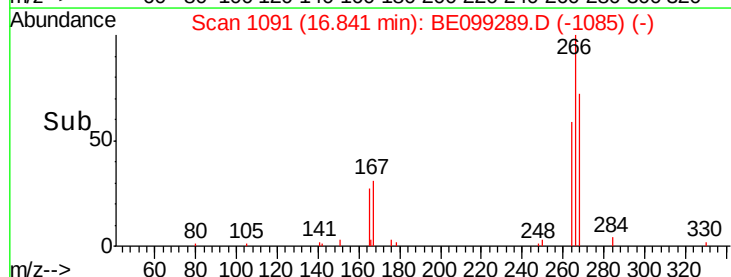
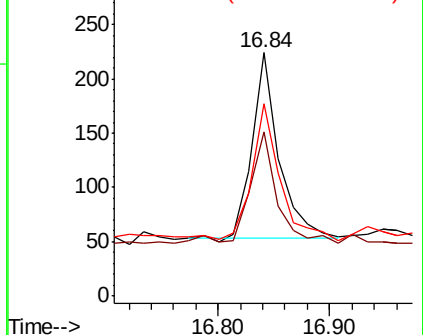
268 79.0 61.3 91.9

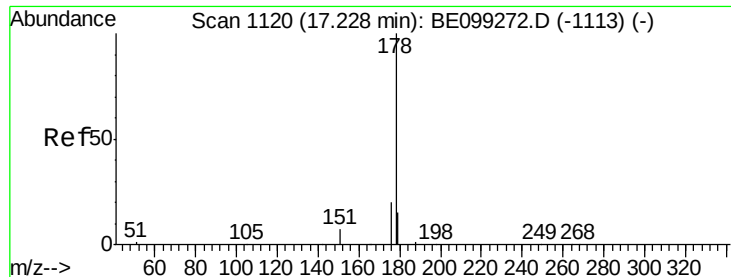


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.097 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

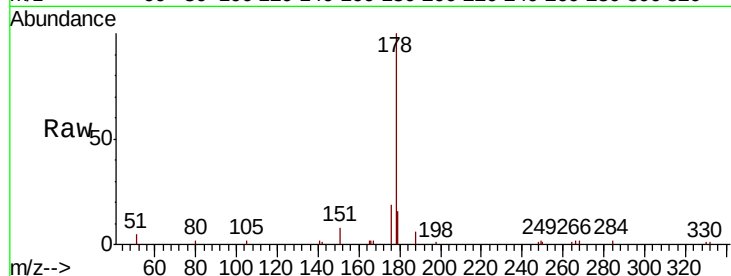
Tot Ion:178 Resp: 5924

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

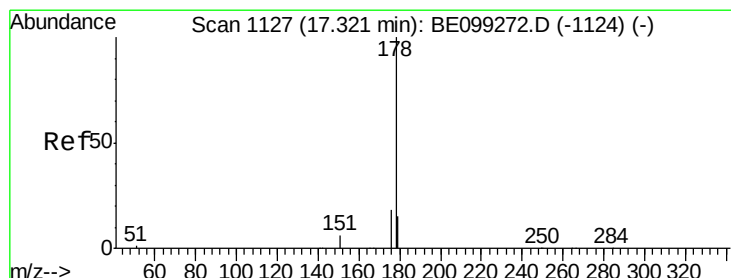
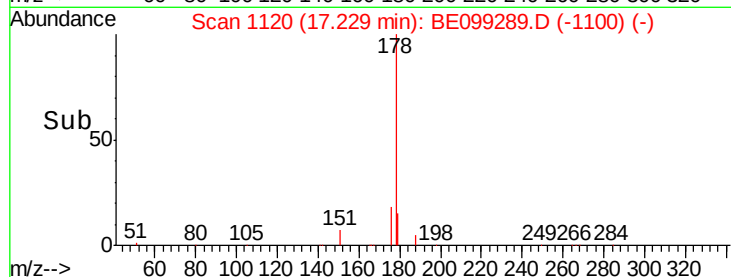
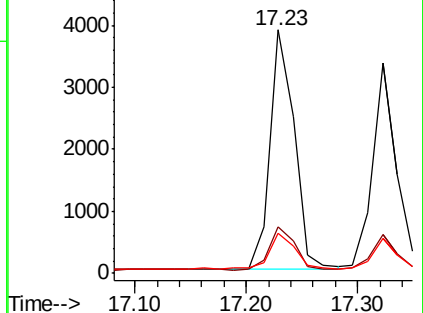
179 16.4 12.3 18.5



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: 0.083 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

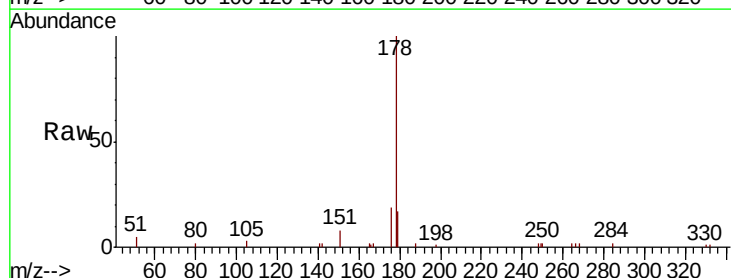
Tgt Ion:178 Resp: 4785

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

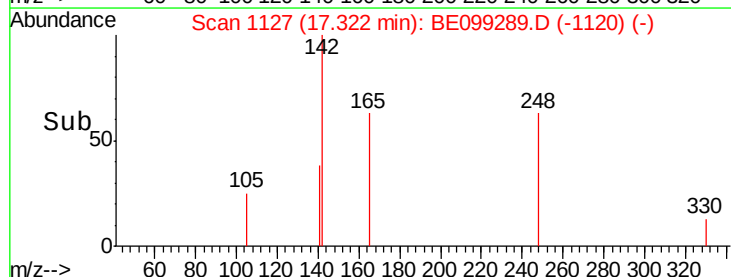
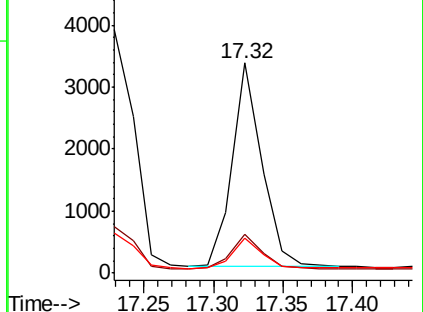
179 15.8 12.4 18.6

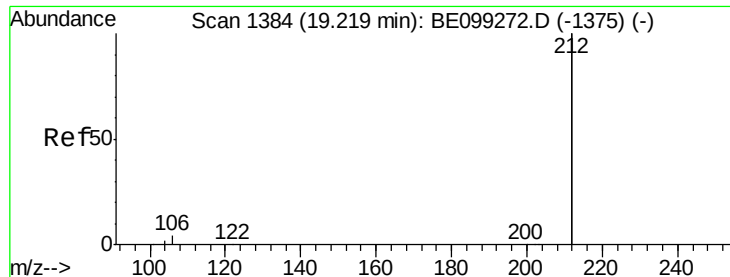


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

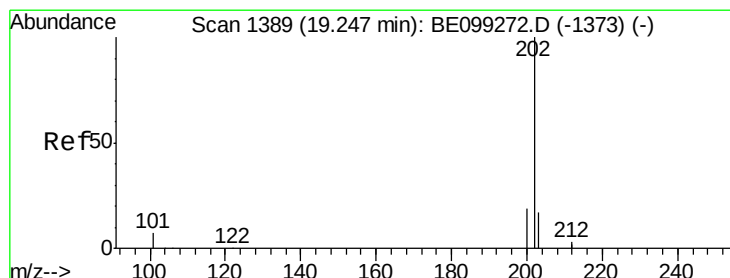
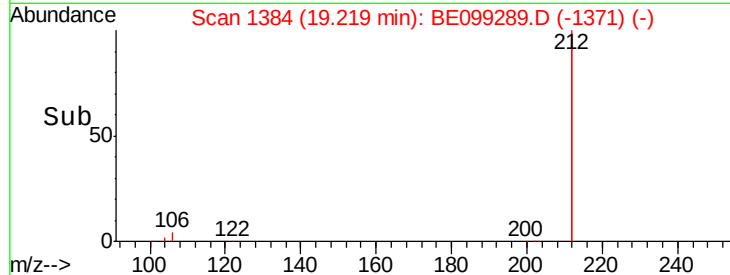
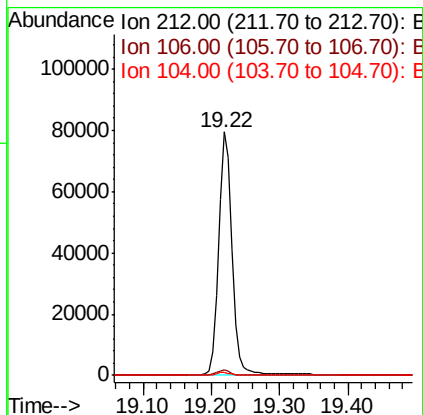
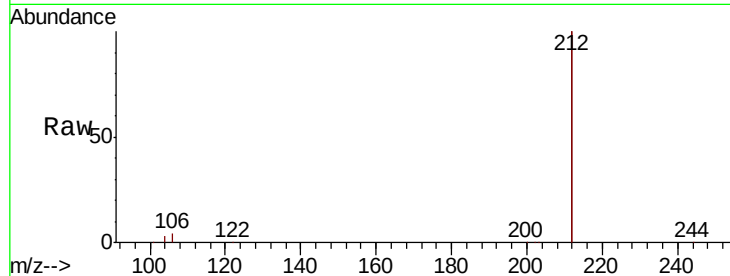




#25
Fluoranthene-d10
Concen: 0.349 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

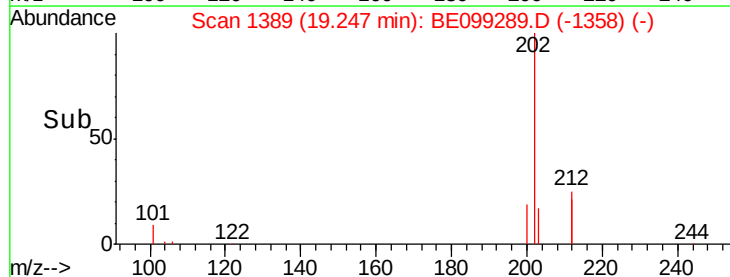
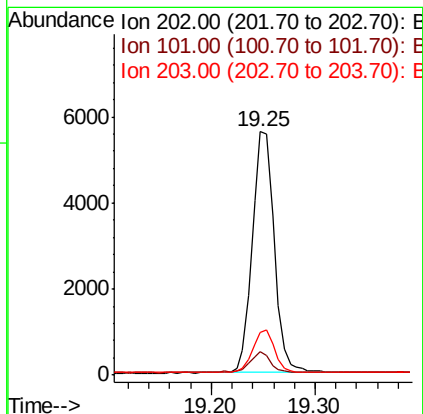
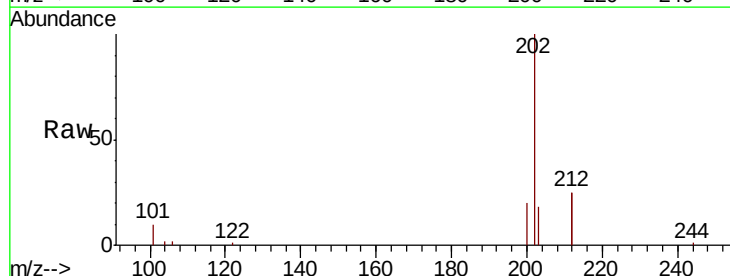
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT1-2019

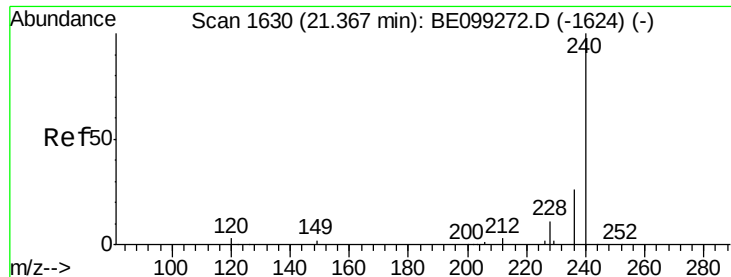
Tot Ion:212 Resp: 109093
Ion Ratio Lower Upper
212 100
106 2.1 1.8 2.8
104 1.2 1.1 1.7



#26
Fluoranthene
Concen: 0.091 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099289.D
Acq: 3 Apr 2019 13:45

Tgt Ion:202 Resp: 8245
Ion Ratio Lower Upper
202 100
101 8.2 7.0 10.4
203 17.6 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

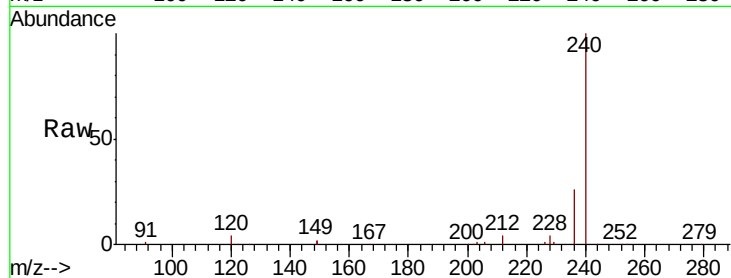
Tot Ion:240 Resp: 33039

Ion Ratio Lower Upper

240 100

120 4.0 2.6 3.8#

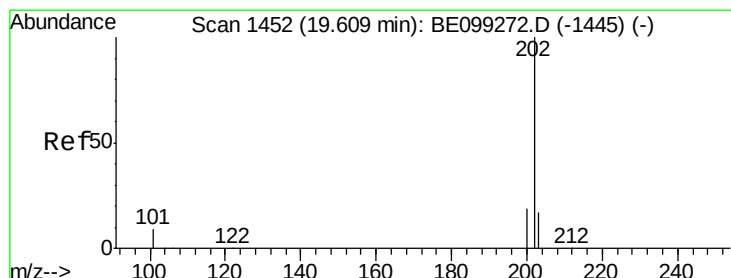
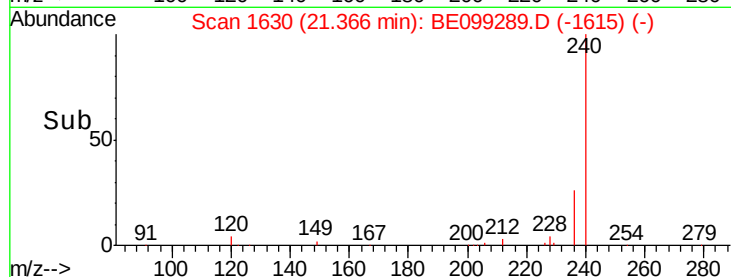
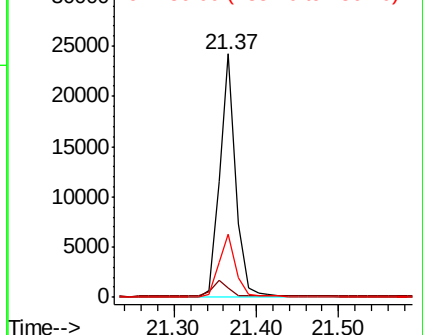
236 26.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.096 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

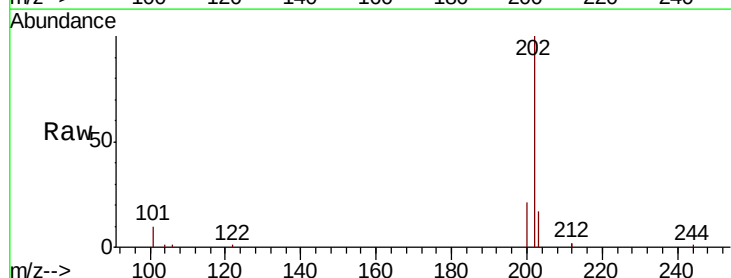
Tgt Ion:202 Resp: 8351

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

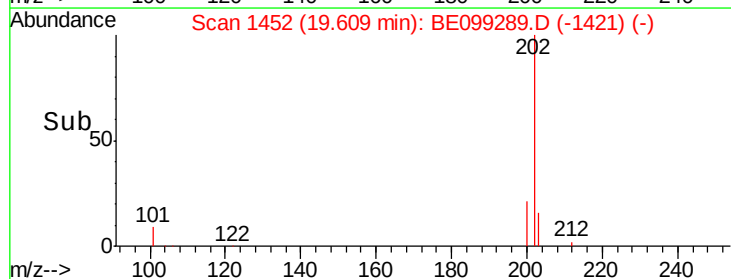
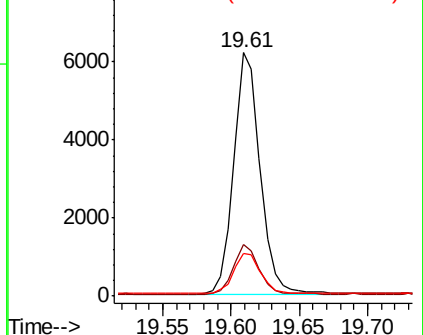
203 17.5 14.1 21.1

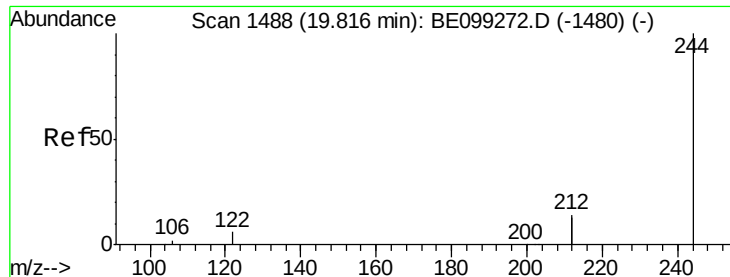


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.434 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

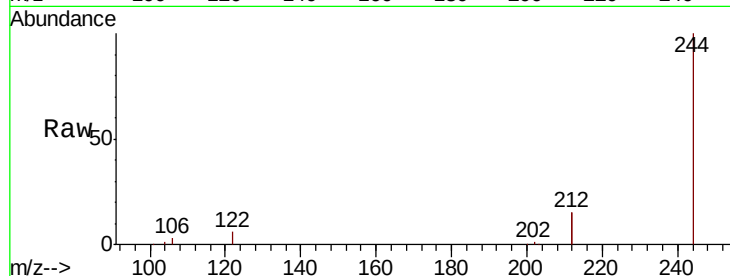
Tot Ion:244 Resp: 26154

Ion Ratio Lower Upper

244 100

212 29.4 22.7 34.1

122 6.4 5.8 8.6

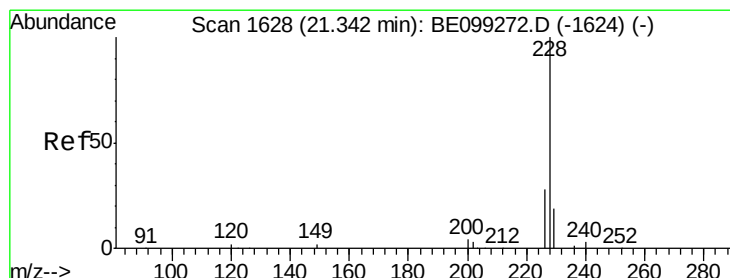
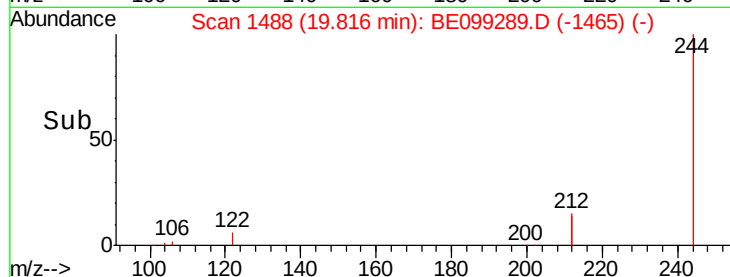
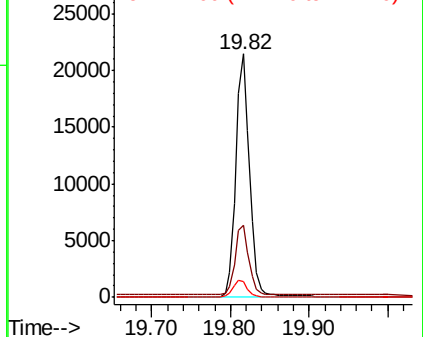


Abundance

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: 0.088 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

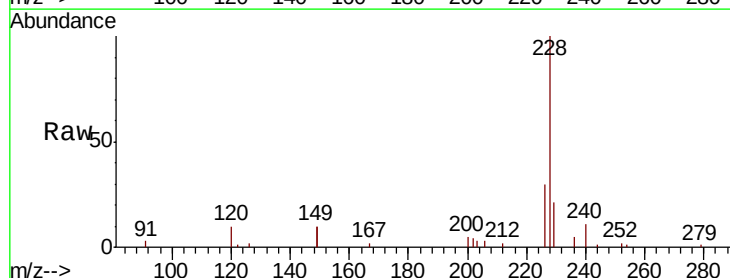
Tgt Ion:228 Resp: 9178

Ion Ratio Lower Upper

228 100

226 30.2 21.7 32.5

229 20.8 15.9 23.9

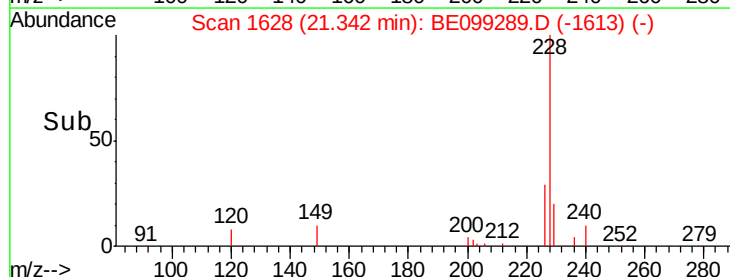
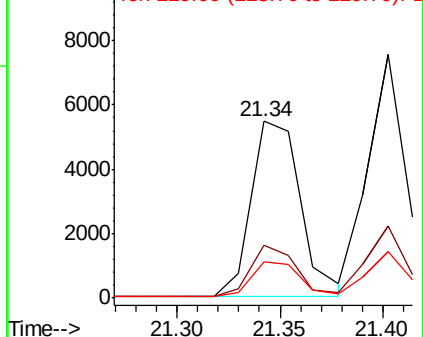


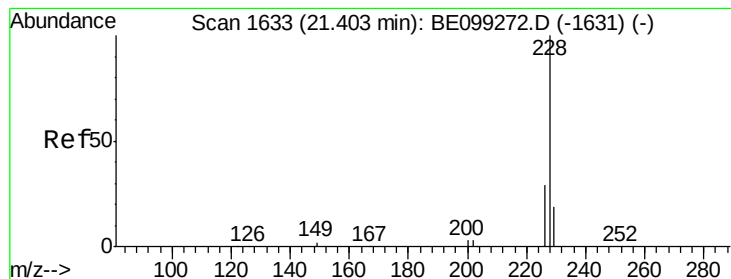
Abundance

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: 0.096 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

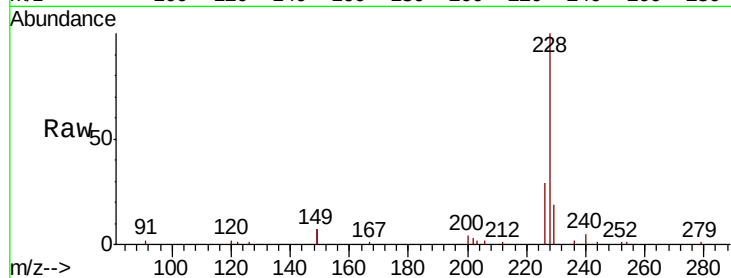
Tot Ion:228 Resp: 9818

Ion Ratio Lower Upper

228 100

226 29.5 24.8 37.2

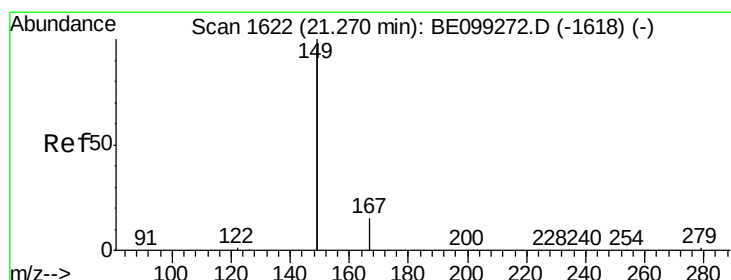
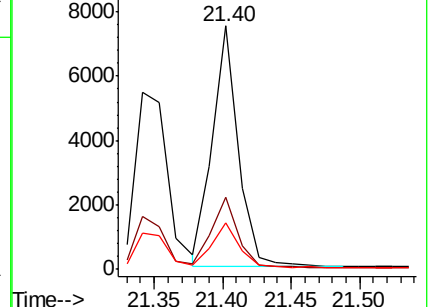
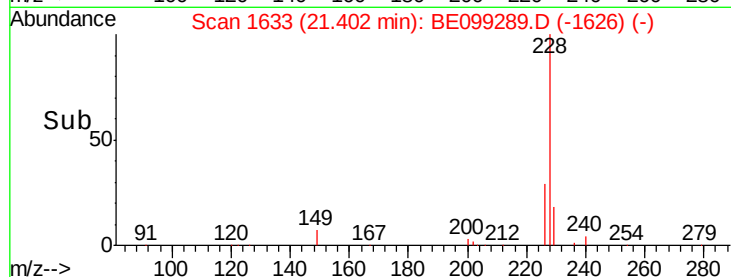
229 19.0 15.4 23.0



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: 0.068 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

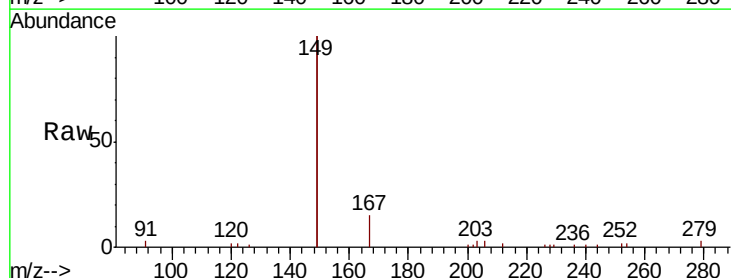
Tgt Ion:149 Resp: 9079

Ion Ratio Lower Upper

149 100

167 7.8 5.9 8.9

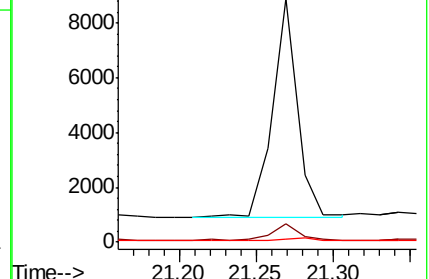
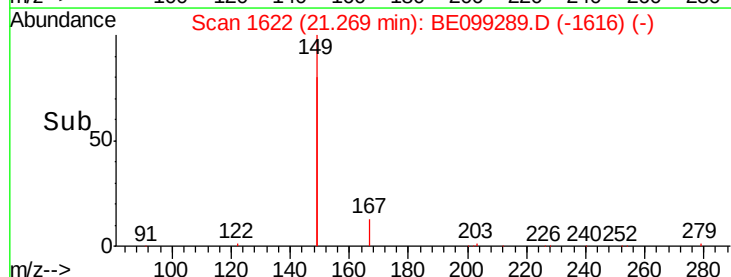
279 1.4 1.0 1.6

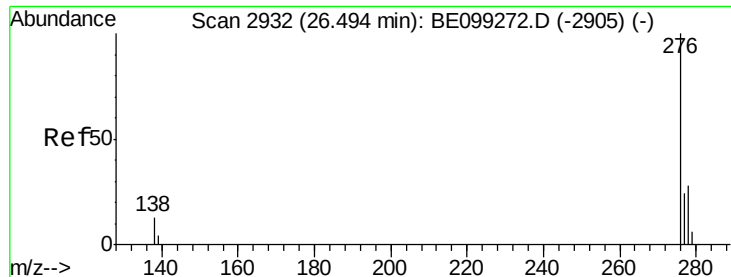


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.088 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.05 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

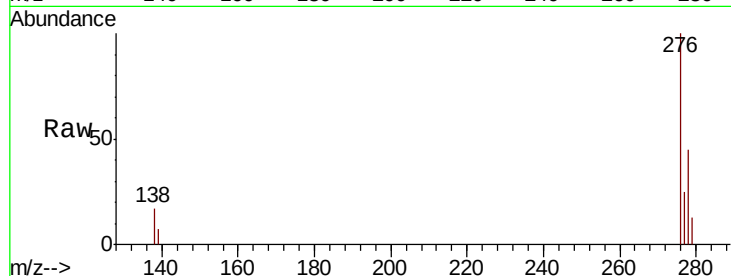
Tot Ion:276 Resp: 10269

Ion Ratio Lower Upper

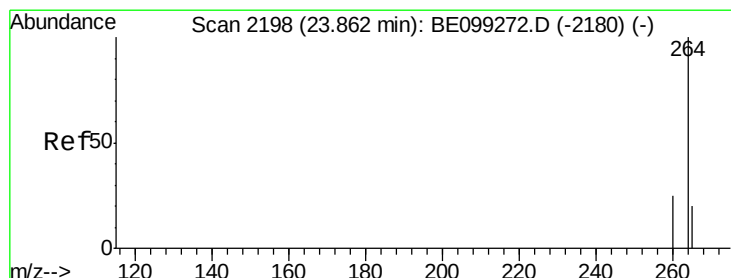
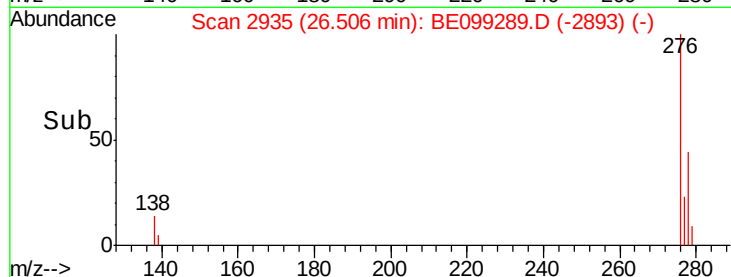
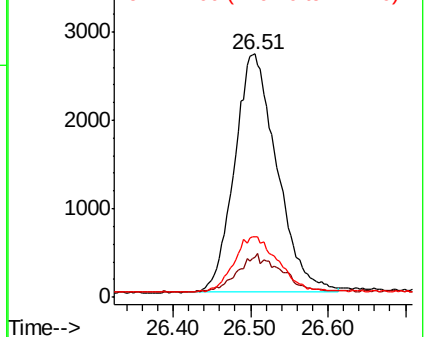
276 100

138 16.1 12.9 19.3

277 24.5 18.3 27.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

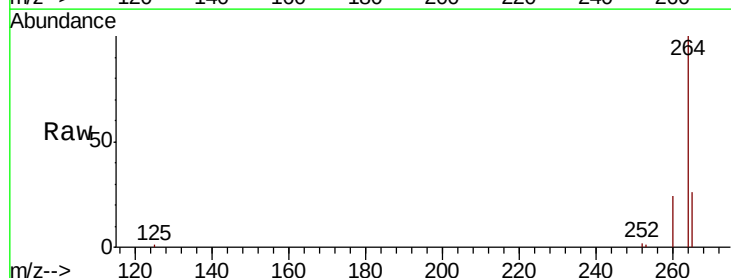
Tgt Ion:264 Resp: 34116

Ion Ratio Lower Upper

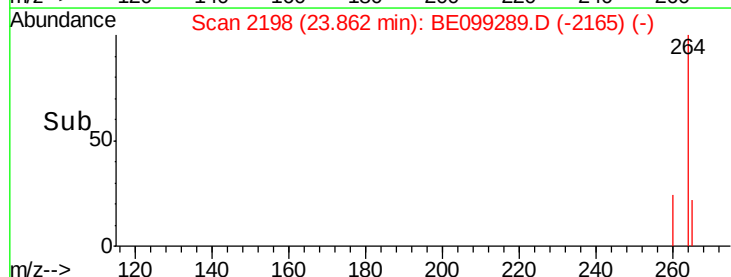
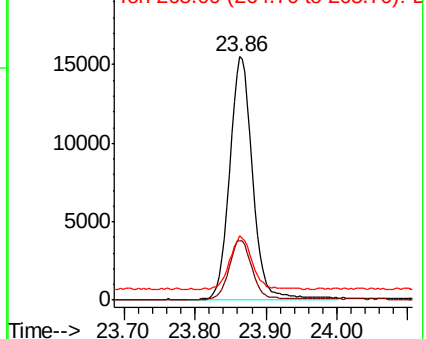
264 100

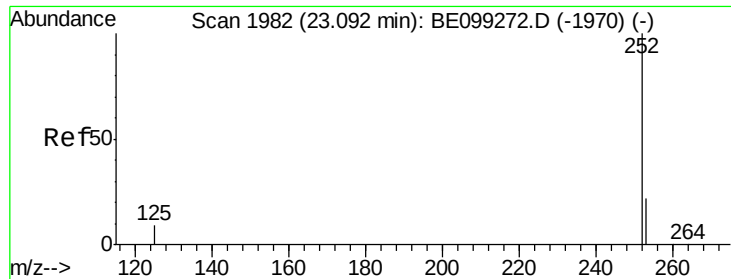
260 24.5 18.2 27.2

265 26.2 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





#35

Benzo(b)fluoranthene

Concen: 0.091 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

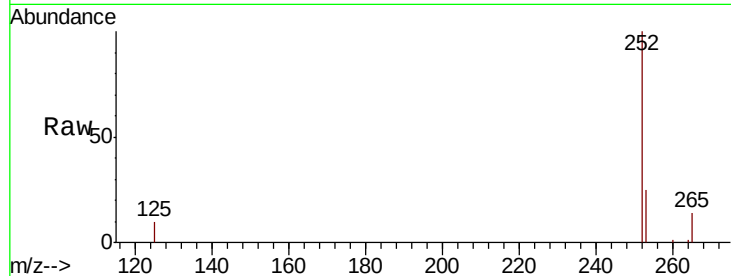
Tot Ion:252 Resp: 9267

Ion Ratio Lower Upper

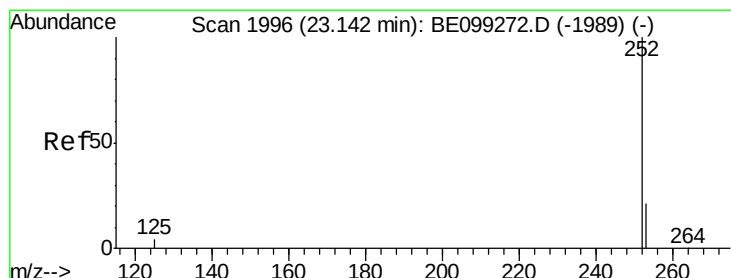
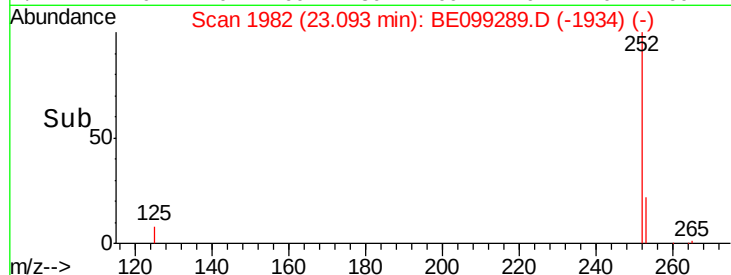
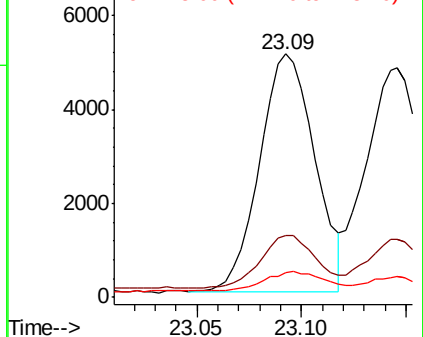
252 100

253 25.3 17.8 26.8

125 10.2 6.1 9.1#



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: 0.092 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

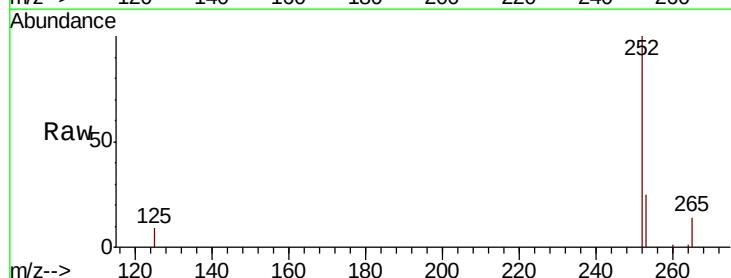
Tgt Ion:252 Resp: 9143

Ion Ratio Lower Upper

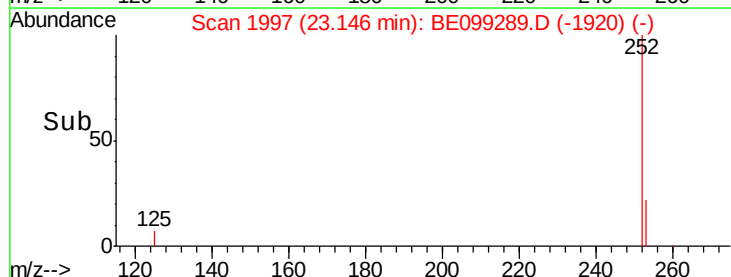
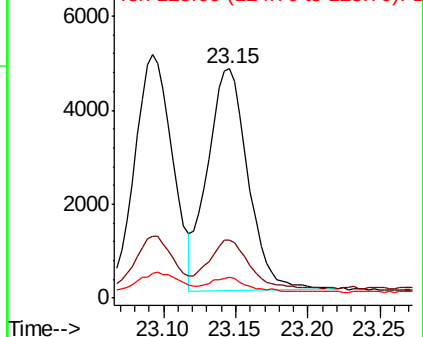
252 100

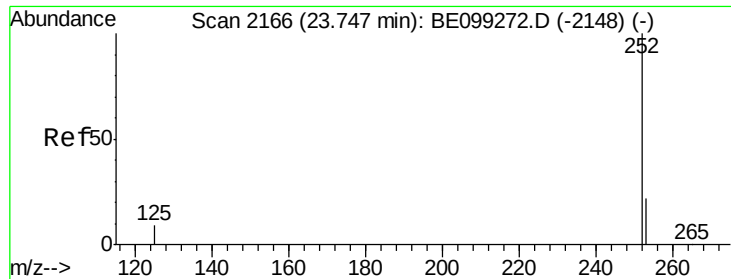
253 25.1 17.8 26.6

125 9.3 5.9 8.9#



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





#37

Benzo(a)pyrene

Concen: 0.085 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.03 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT1-2019

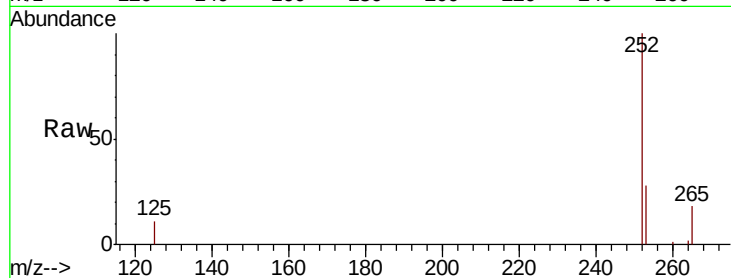
Tot Ion:252 Resp: 8172

Ion Ratio Lower Upper

252 100

253 27.8 18.1 27.1#

125 11.5 6.8 10.2#

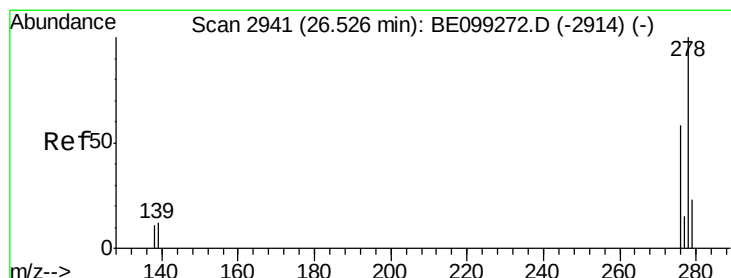
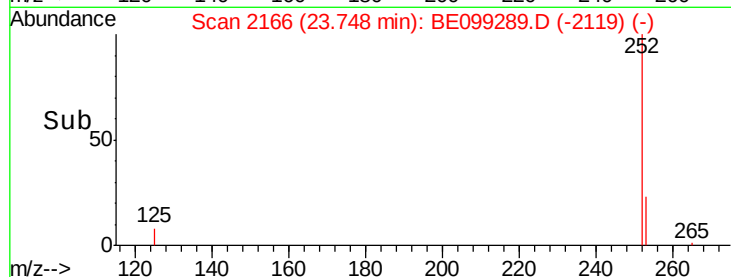
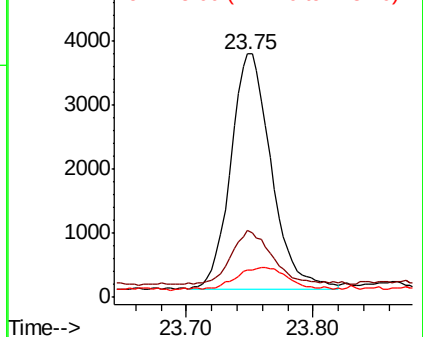


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.088 ng

RT: 26.54 min Scan# 2944

Delta R.T. -0.05 min

Lab File: BE099289.D

Acq: 3 Apr 2019 13:45

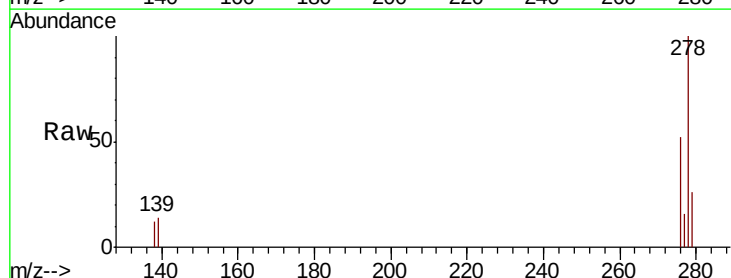
Tgt Ion:278 Resp: 8422

Ion Ratio Lower Upper

278 100

139 14.3 9.5 14.3

279 26.3 19.1 28.7

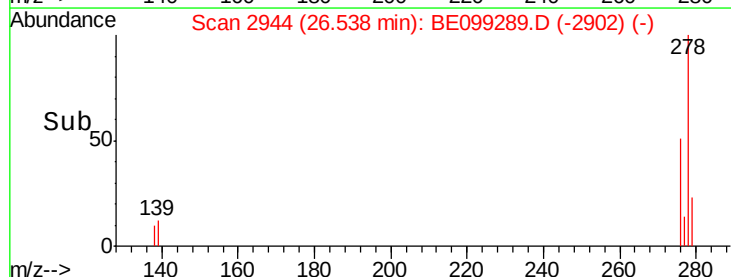
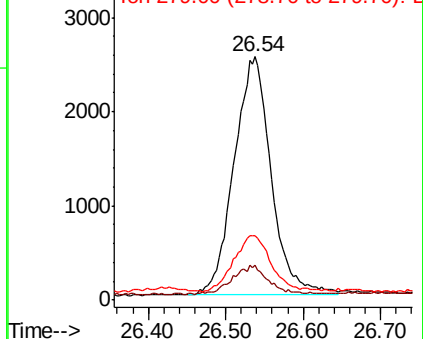


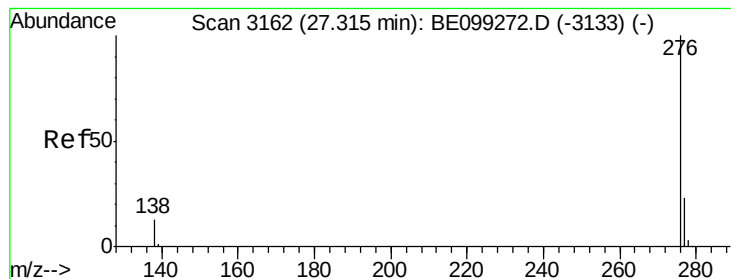
Abundance

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

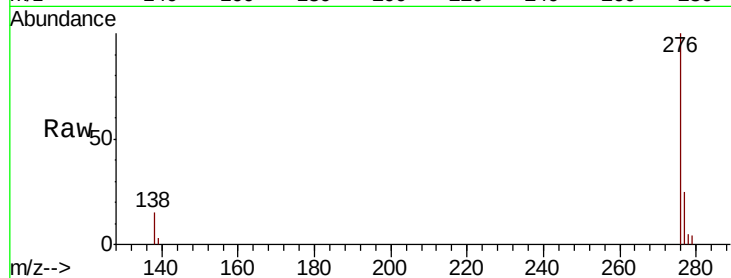




#39
 Benzo(a,h,i)perylene
 Concen: 0.092 ng
 RT: 27.31 min Scan# 3161
 Delta R.T. -0.06 min
 Lab File: BE099289.D
 Acq: 3 Apr 2019 13:45

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	14.7	11.1	16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

