

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011120\
 Data File : BE101029.D
 Acq On : 10 Jan 2020 18:51
 Operator : JU
 Sample : K3591-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jan 11 01:34:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3154	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	13341	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	8635	0.40	ng	0.00
19) Phenanthrene-d10	17.11	188	18967	0.40	ng	0.01
27) Chrysene-d12	21.28	240	14240	0.40	ng	0.00
34) Perylene-d12	23.70	264	16946	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2387	0.34	ng	0.00
5) Phenol-d6	6.92	99	2329	0.26	ng	0.00
8) Nitrobenzene-d5	8.89	82	2425	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	12.12	152	8236	0.32	ng	0.01
14) 2,4,6-Tribromophenol	15.85	330	516	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	12399	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	72824	0.28	ng	0.00
29) Terphenyl-d14	19.74	244	14192	0.41	ng	0.00

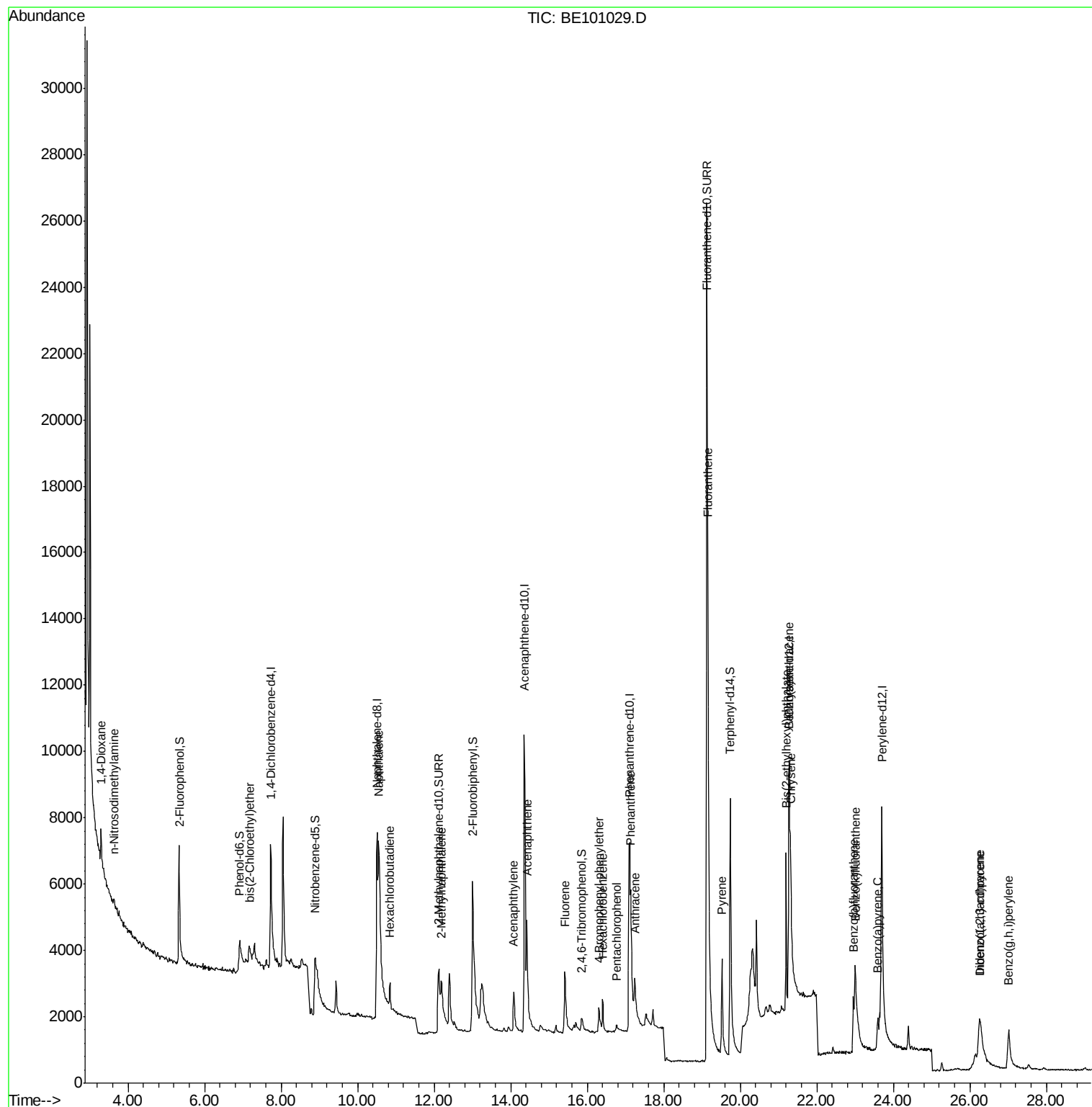
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.29	88	1488m	0.104	ng	
3) n-Nitrosodimethylamine	3.63	42	276m	0.063	ng	
6) bis(2-Chloroethyl)ether	7.17	93	578	0.054	ng	85
9) Naphthalene	10.55	128	13482	0.091	ng	# 96
10) Hexachlorobutadiene	10.85	225	581	0.093	ng	95
12) 2-Methylnaphthalene	12.19	142	1941	0.087	ng	96
16) Acenaphthylene	14.08	152	2449	0.070	ng	99
17) Acenaphthene	14.43	154	1817	0.072	ng	91
18) Fluorene	15.41	166	2369	0.074	ng	98
20) 4-Bromophenyl-phenylether	16.30	248	676	0.073	ng	# 80
21) Hexachlorobenzene	16.41	284	925	0.091	ng	98
22) Pentachlorophenol	16.77	266	301	0.335	ng	91
23) Phenanthrene	17.13	178	3922	0.076	ng	97
24) Anthracene	17.24	178	3945	0.081	ng	96
26) Fluoranthene	19.15	202	4676	0.072	ng	99
28) Pyrene	19.52	202	4686	0.088	ng	97
30) Benzo(a)anthracene	21.27	228	2364	0.058	ng	97
31) Chrysene	21.32	228	5988	0.099	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	5008	0.074	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.25	276	3608	0.076	ng	# 91
35) Benzo(b)fluoranthene	22.96	252	2636	0.055	ng	# 81
36) Benzo(k)fluoranthene	23.01	252	5013	0.073	ng	# 80
37) Benzo(a)pyrene	23.59	252	3137	0.068	ng	# 79
38) Dibenzo(a,h)anthracene	26.27	278	3026	0.072	ng	# 54
39) Benzo(g,h,i)perylene	27.02	276	3836	0.074	ng	# 88

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011120\
Data File : BE101029.D
Acq On : 10 Jan 2020 18:51
Operator : JU
Sample : K3591-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jan 11 01:34:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration



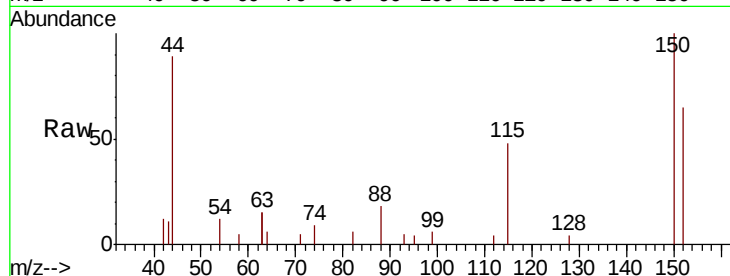


#1

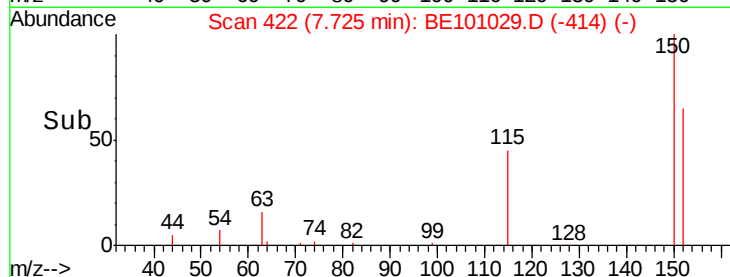
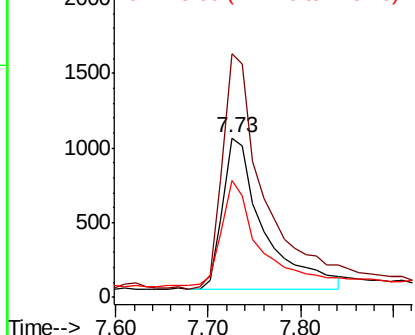
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:152 Resp: 3154
Ion Ratio Lower Upper
152 100
150 152.9 120.3 180.5
115 73.2 51.7 77.5



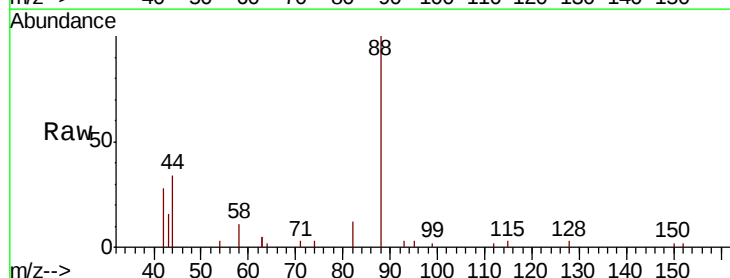
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



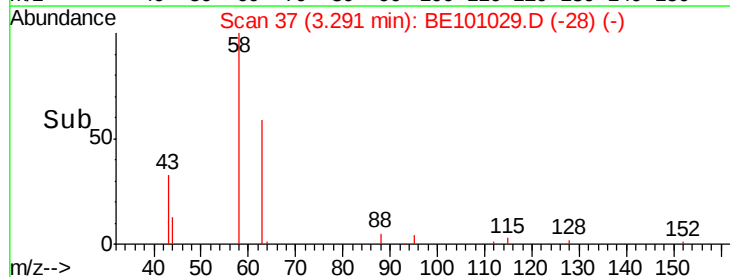
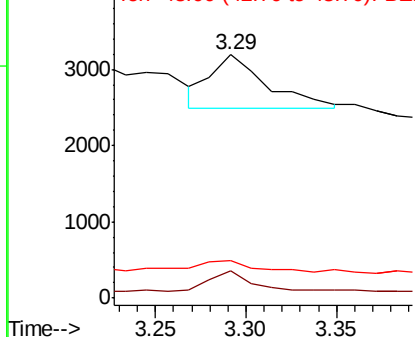
#2

1,4-Dioxane
Concen: 0.104 ng m
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Tgt Ion: 88 Resp: 1488
Ion Ratio Lower Upper
88 100
58 31.6 53.0 79.4#
43 22.5 23.4 35.2#



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



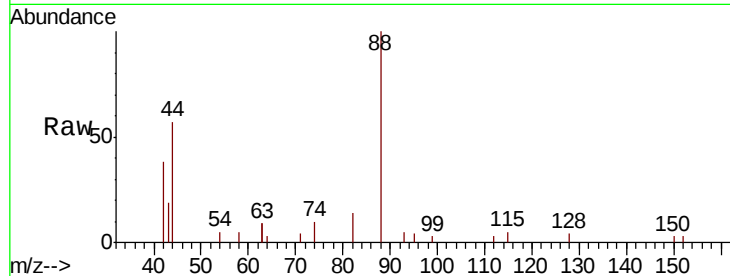


#3

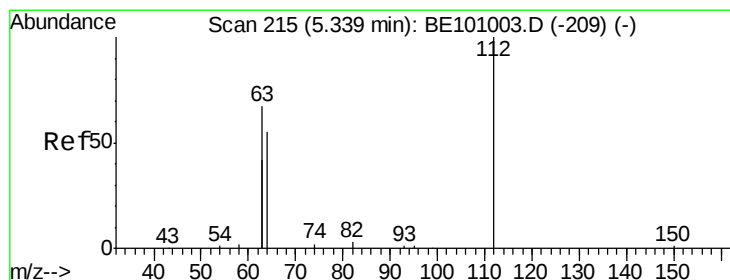
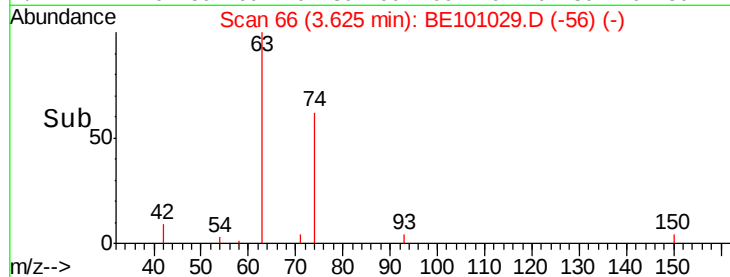
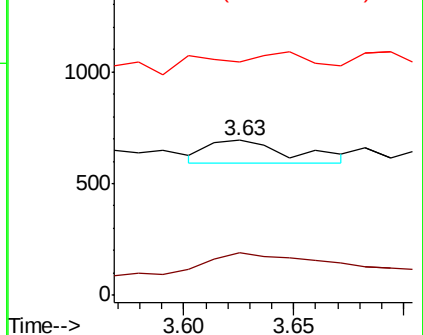
n-Nitrosodimethylamine
 Concen: 0.063 ng/ml
 RT: 3.63 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 42 Resp: 276
 Ion Ratio Lower Upper
 42 100
 74 108.7 105.7 158.5
 44 0.0 10.0 15.0#



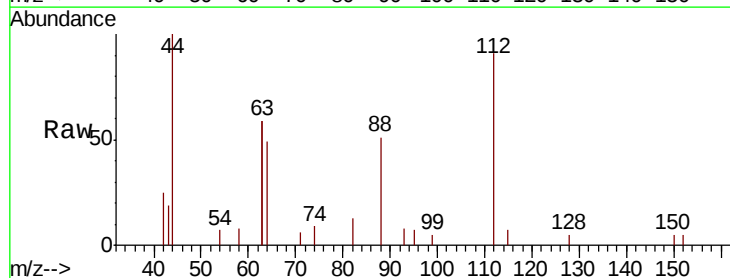
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



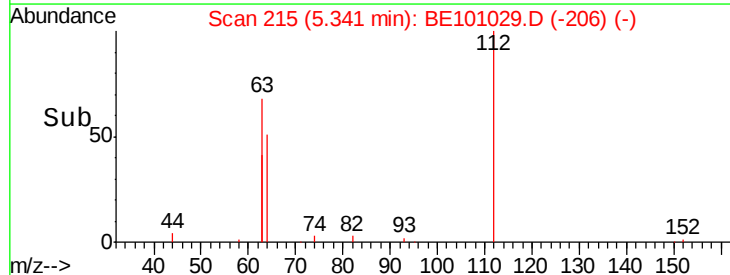
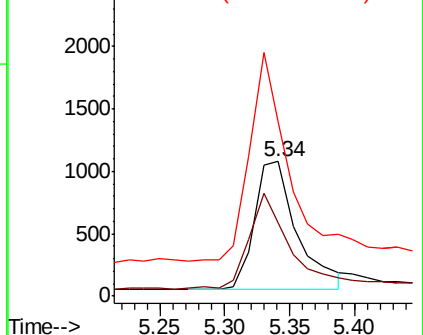
#4

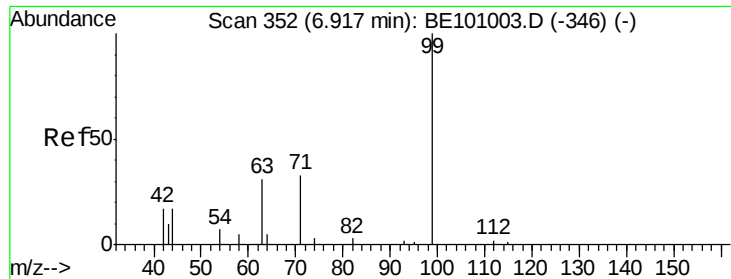
2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

Tgt Ion: 112 Resp: 2387
 Ion Ratio Lower Upper
 112 100
 64 69.6 53.6 80.4
 63 140.8 114.6 172.0



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





#5

Phenol-d6

Concen: 0.259 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

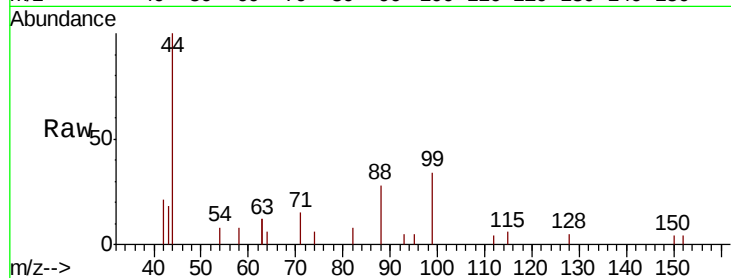
Tot Ion: 99 Resp: 2329

Ion Ratio Lower Upper

99 100

42 20.0 18.3 27.5

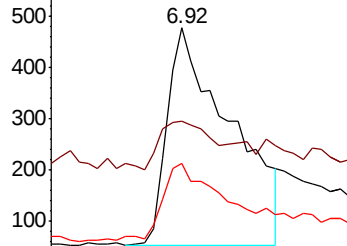
71 32.9 28.0 42.0



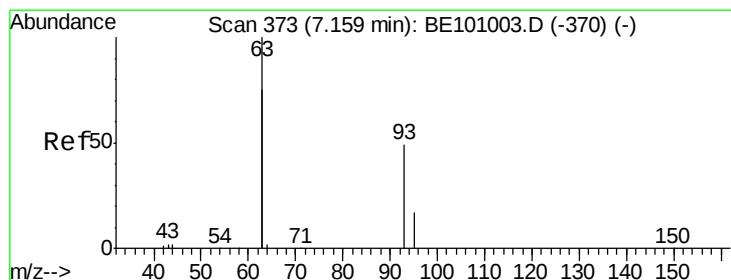
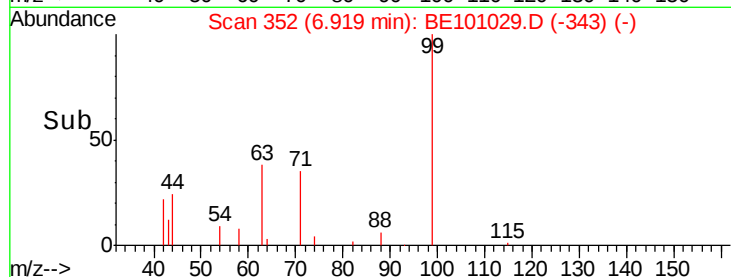
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.054 ng

RT: 7.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

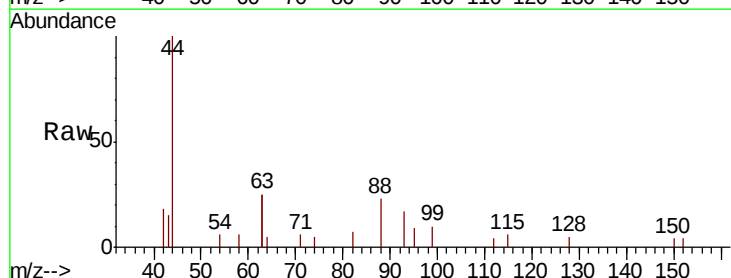
Tgt Ion: 93 Resp: 578

Ion Ratio Lower Upper

93 100

63 261.4 233.9 350.9

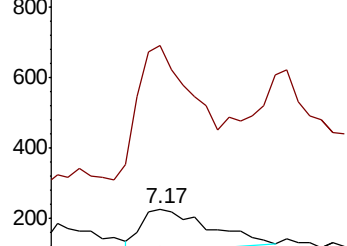
95 29.1 23.5 35.3



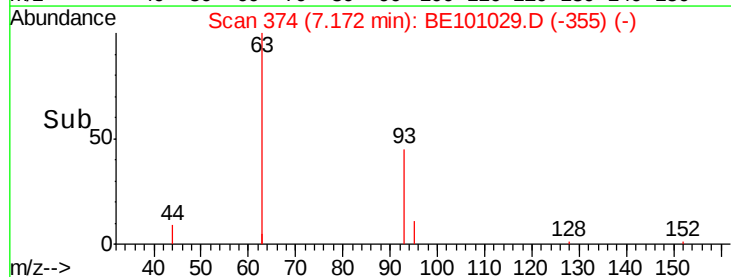
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:136 Resp: 13341

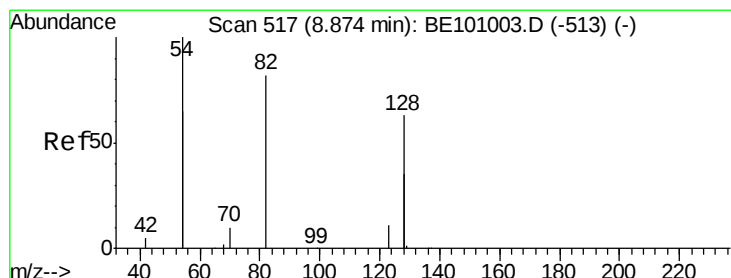
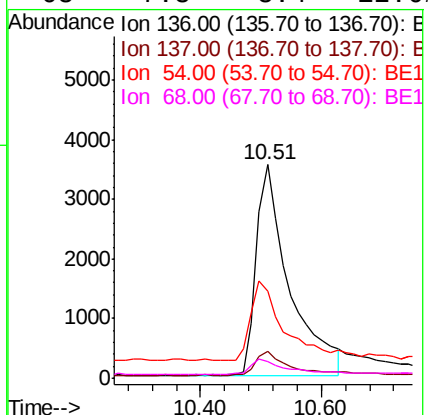
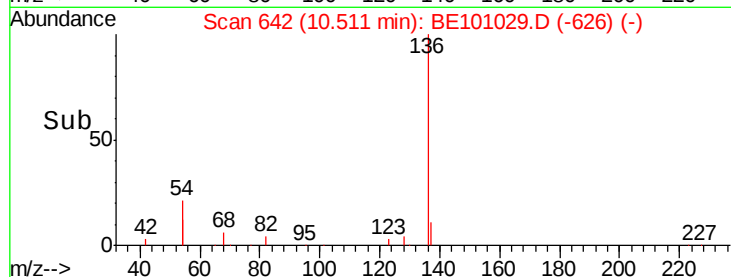
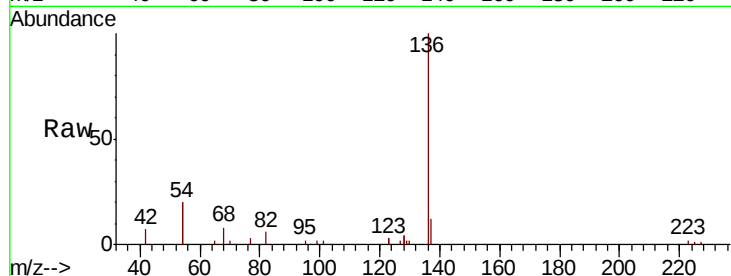
Ion Ratio Lower Upper

136 100

137 12.5 9.3 13.9

54 40.7 36.8 55.2

68 7.8 8.4 12.6#



#8

Nitrobenzene-d5

Concen: 0.254 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

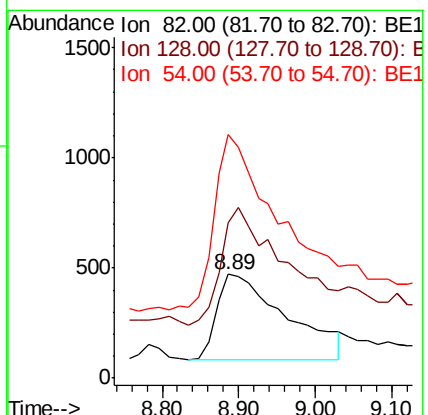
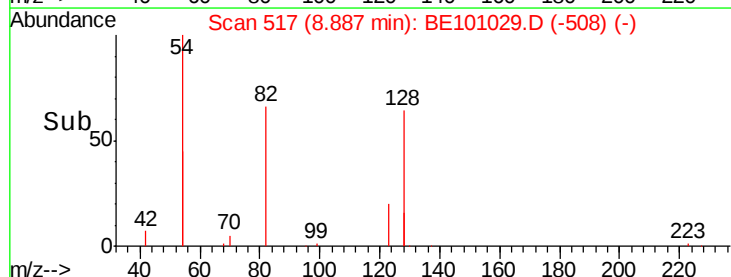
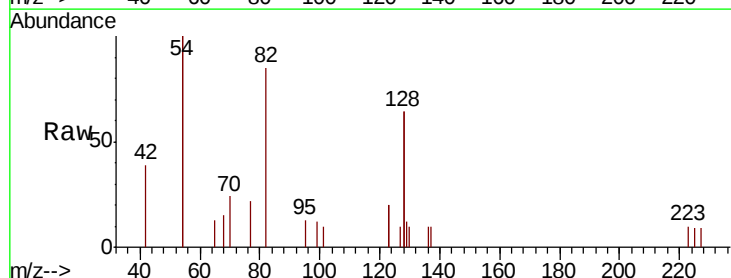
Tgt Ion: 82 Resp: 2425

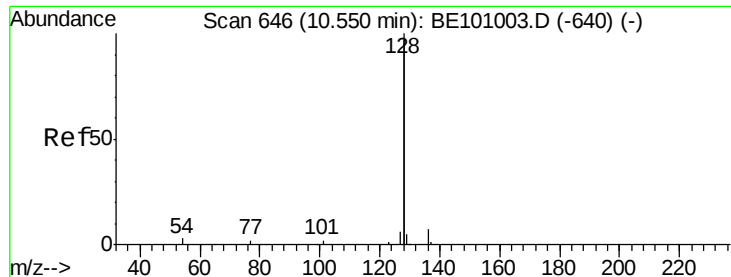
Ion Ratio Lower Upper

82 100

128 149.5 109.8 164.6

54 234.8 174.5 261.7





#9

Naphthalene

Concen: 0.091 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

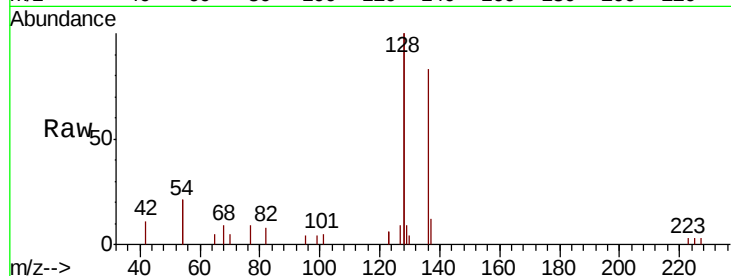
Tot Ion:128 Resp: 13482

Ion Ratio Lower Upper

128 100

129 4.3 2.3 3.5#

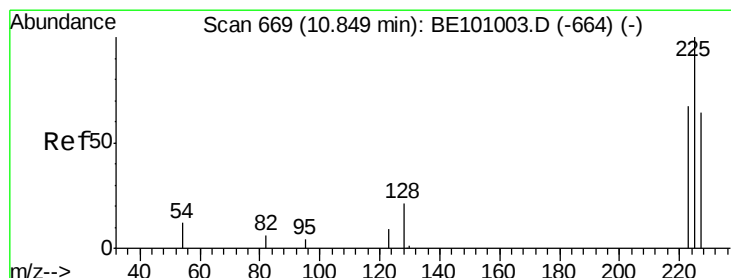
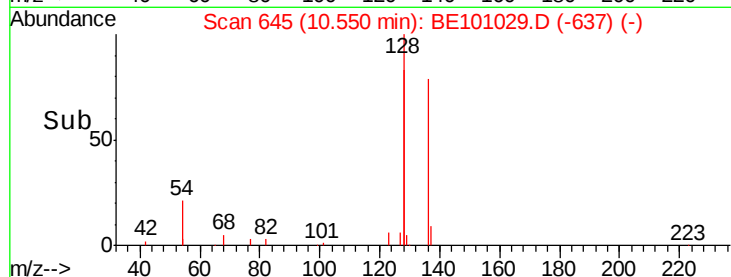
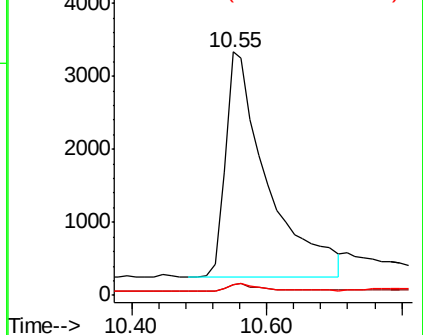
127 4.5 2.7 4.1#



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



#10

Hexachlorobutadiene

Concen: 0.093 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

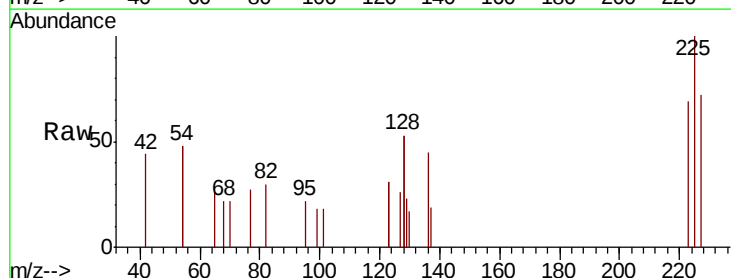
Tgt Ion:225 Resp: 581

Ion Ratio Lower Upper

225 100

223 60.1 52.2 78.4

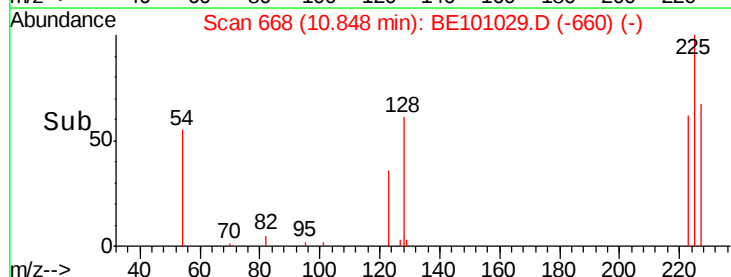
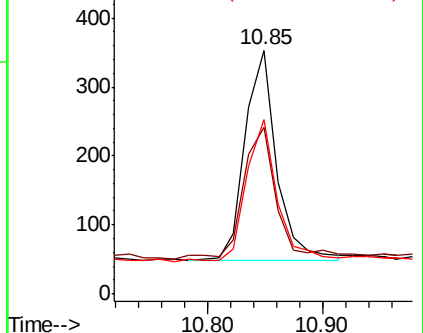
227 64.7 49.9 74.9



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

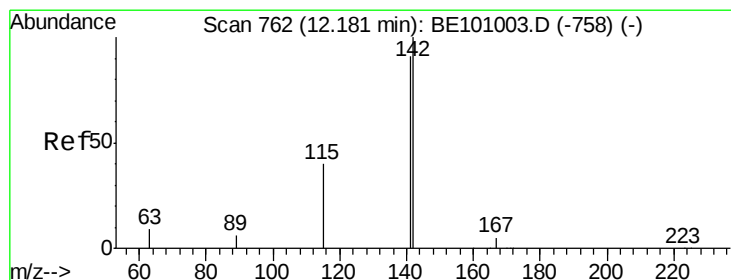
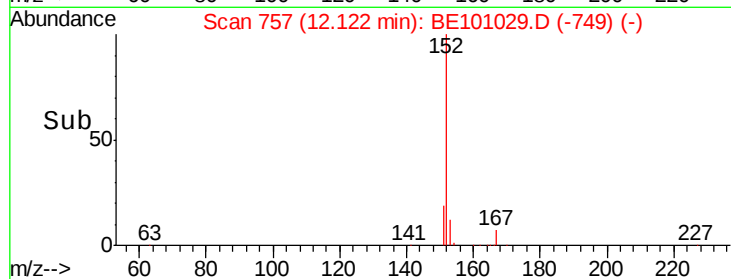
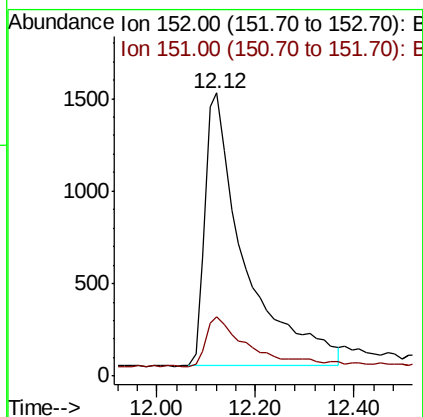
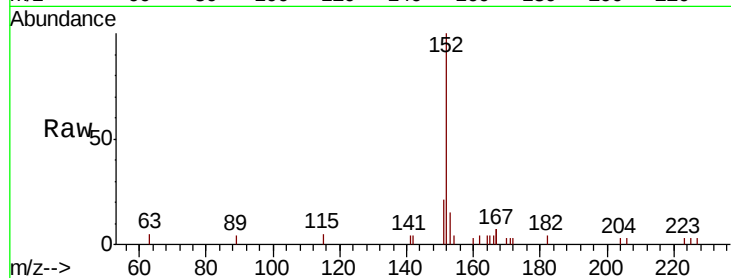




#11
 2-Methylnaphthalene-d10
 Concen: 0.323 ng
 RT: 12.12 min Scan# 757
 Delta R.T. 0.01 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

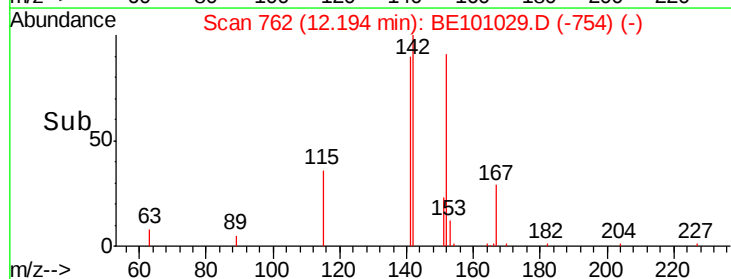
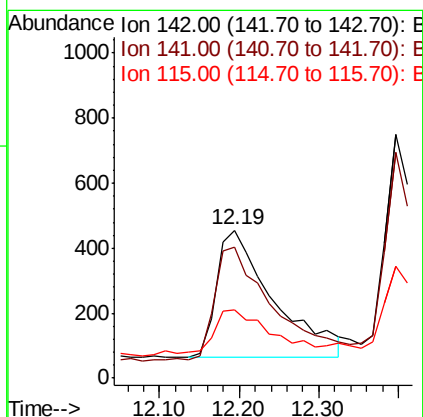
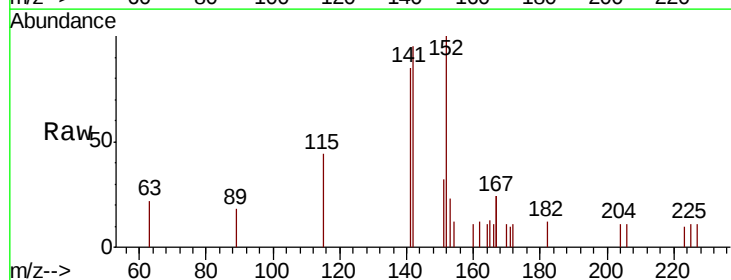
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

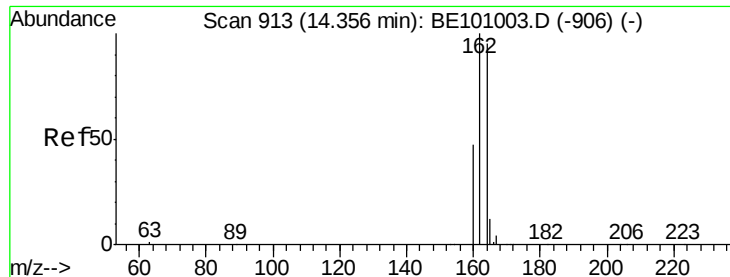
Tot Ion:152 Resp: 8236
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.087 ng
 RT: 12.19 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

Tgt Ion:142 Resp: 1941
 Ion Ratio Lower Upper
 142 100
 141 88.8 72.5 108.7
 115 46.3 33.0 49.6

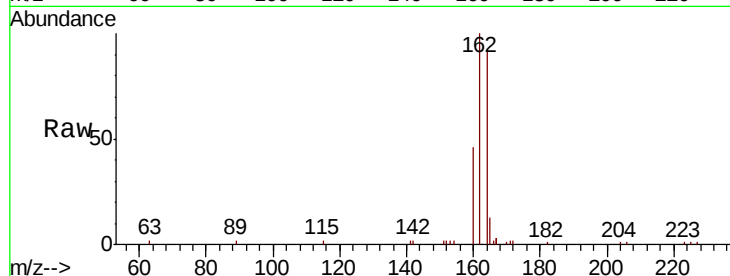




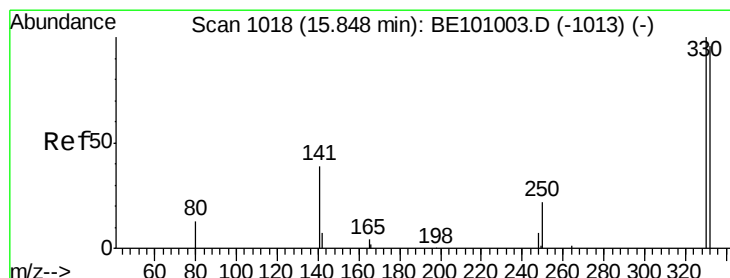
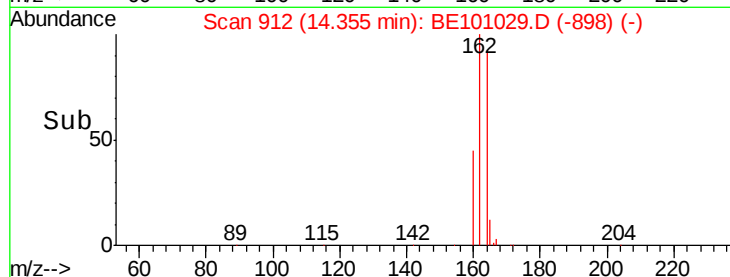
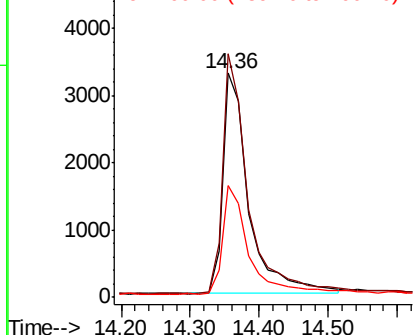
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:164 Resp: 8635
Ion Ratio Lower Upper
164 100
162 108.7 84.1 126.1
160 49.9 40.4 60.6

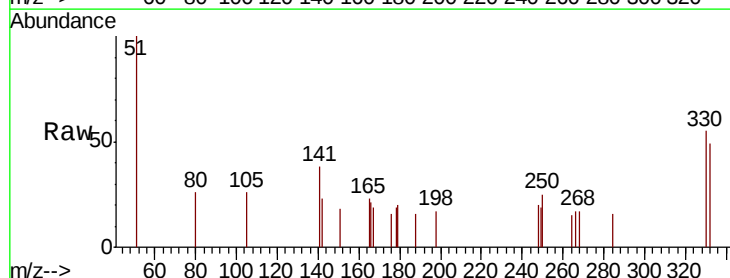


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

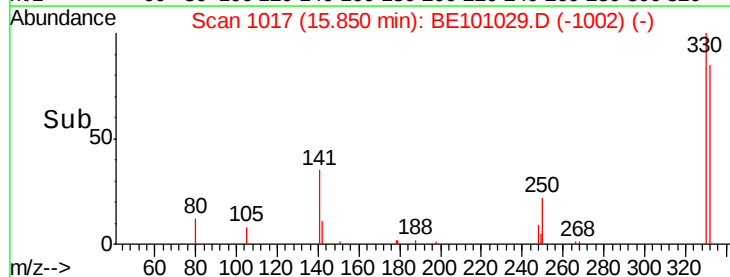
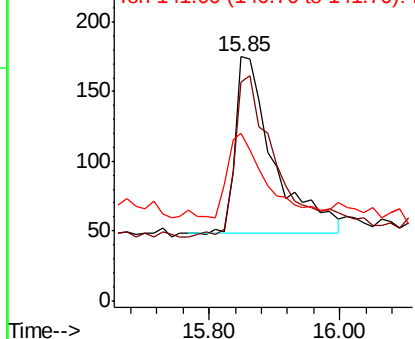


#14
2,4,6-Tribromophenol
Concen: 0.212 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Tgt Ion:330 Resp: 516
Ion Ratio Lower Upper
330 100
332 100.6 78.4 117.6
141 46.5 37.0 55.4



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

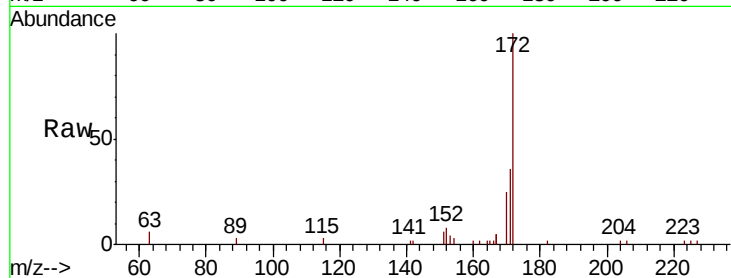




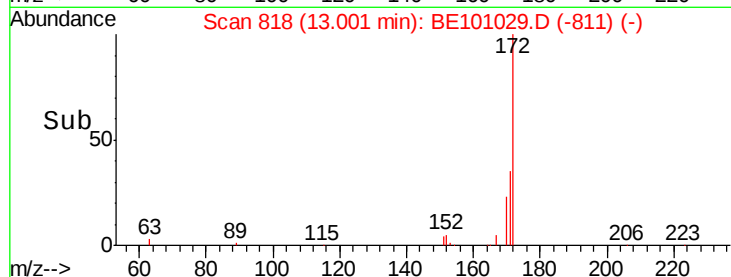
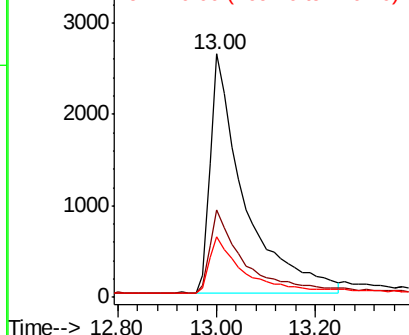
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:172 Resp: 12399
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 24.8 18.9 28.3

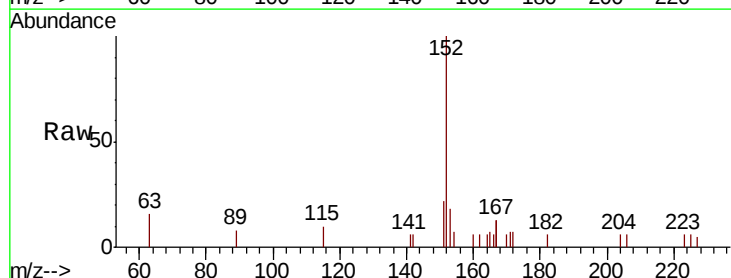


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

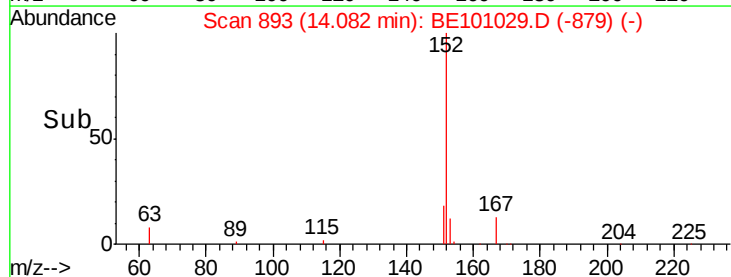
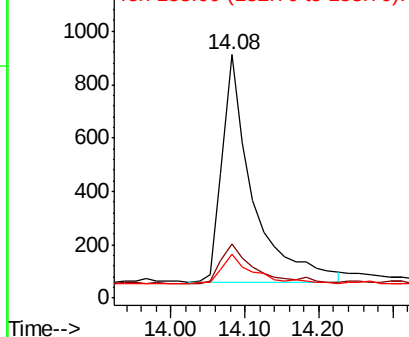


#16
Acenaphthylene
Concen: 0.070 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Tgt Ion:152 Resp: 2449
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.4 10.4 15.6



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

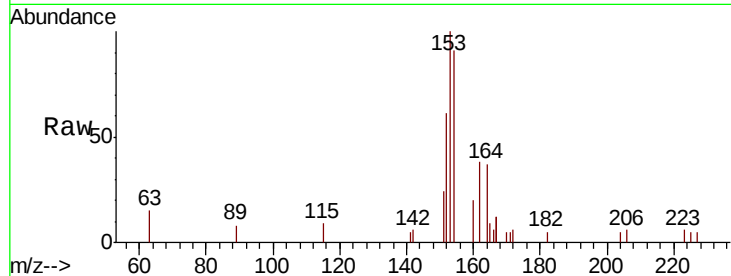




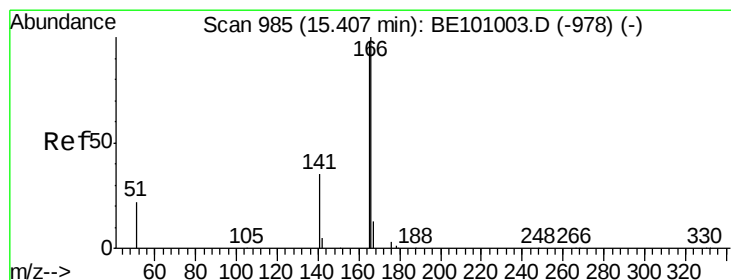
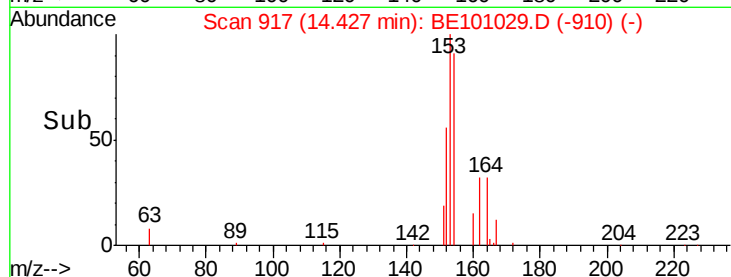
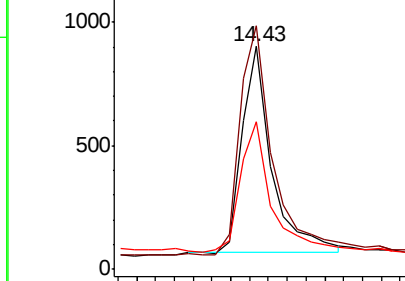
#17
Acenaphthene
Concen: 0.072 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:154 Resp: 1817
Ion Ratio Lower Upper
154 100
153 125.3 93.6 140.4
152 66.2 46.3 69.5

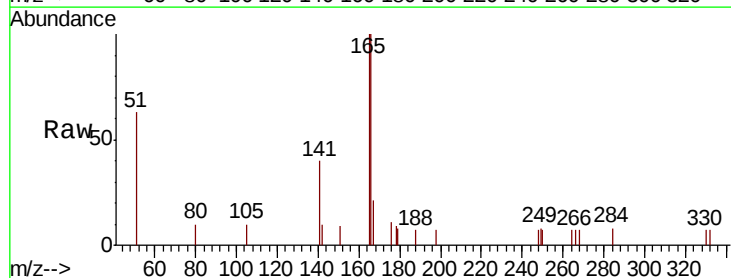


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

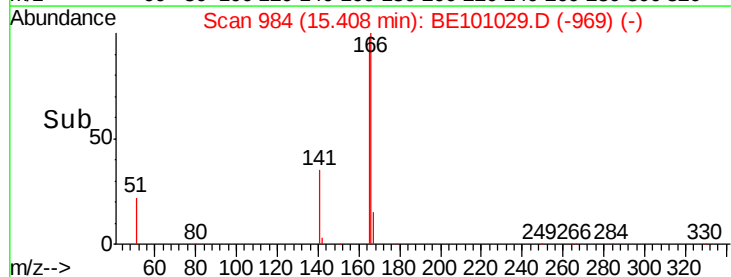
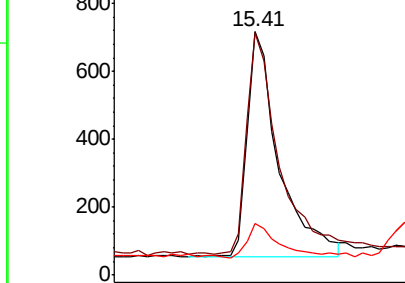


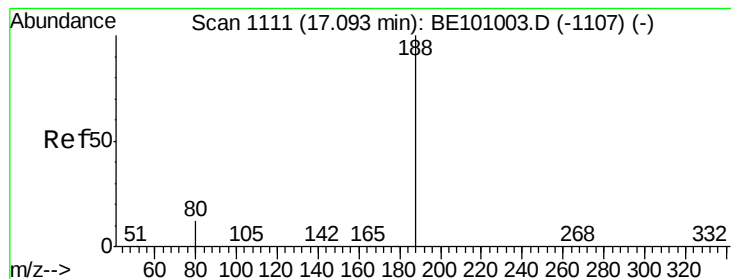
#18
Fluorene
Concen: 0.074 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Tgt Ion:166 Resp: 2369
Ion Ratio Lower Upper
166 100
165 101.7 79.8 119.8
167 14.7 11.0 16.6



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: 17.11 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

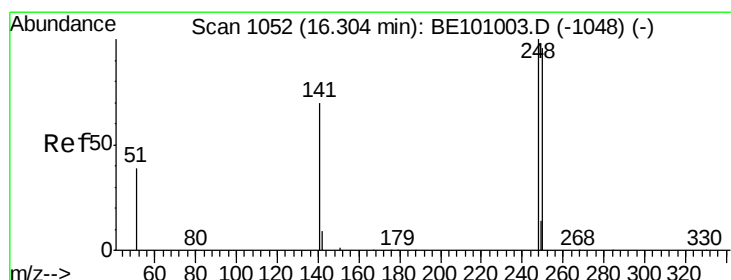
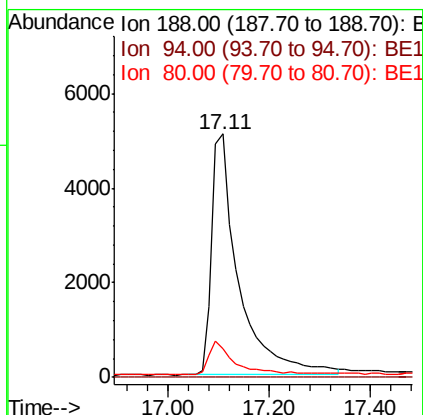
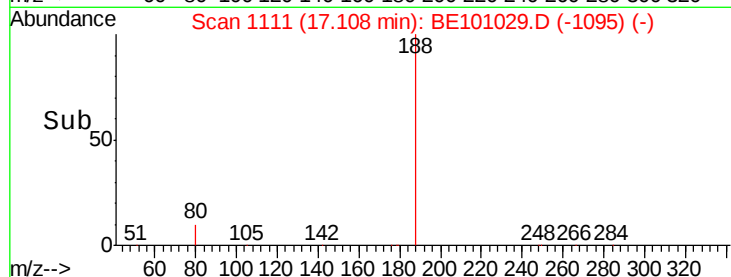
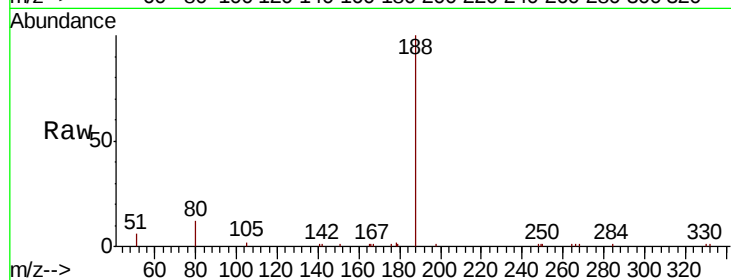
Tot Ion:188 Resp: 18967

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 10.8 16.2



#20

4-Bromophenyl-phenylether

Concen: 0.073 ng

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

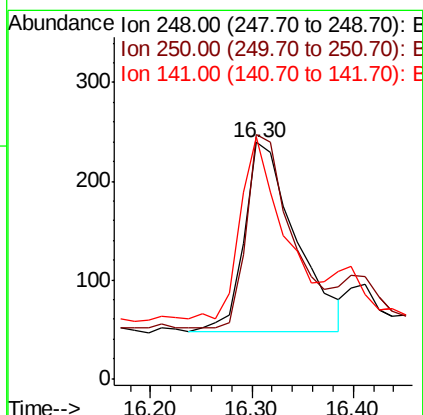
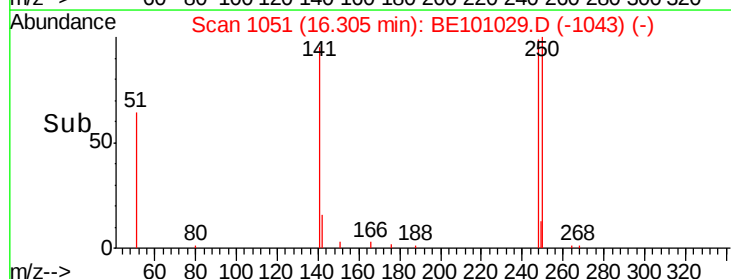
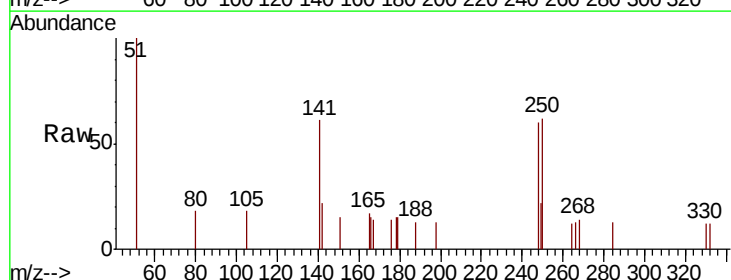
Tgt Ion:248 Resp: 676

Ion Ratio Lower Upper

248 100

250 103.3 76.6 115.0

141 102.5 57.7 86.5#





#21

Hexachlorobenzene

Concen: 0.091 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

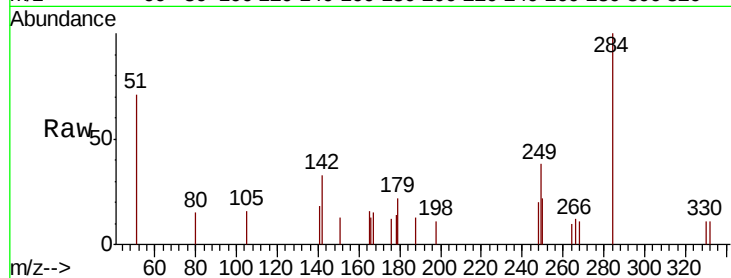
Tot Ion:284 Resp: 925

Ion Ratio Lower Upper

284 100

142 43.5 34.0 51.0

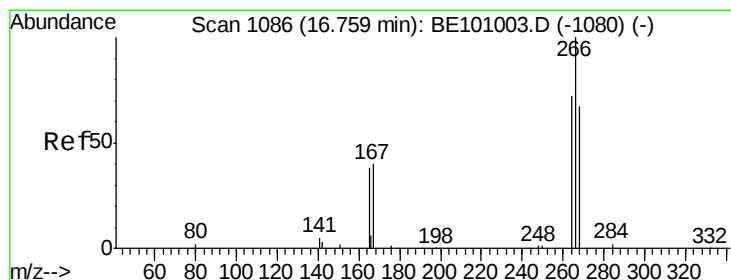
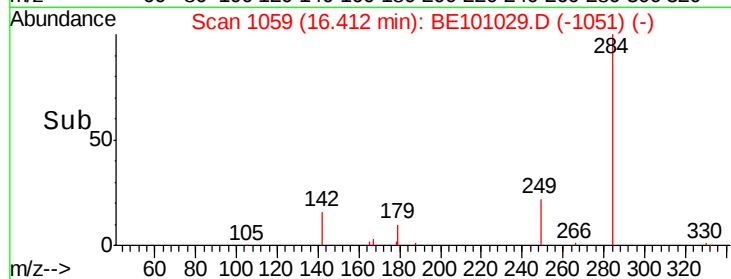
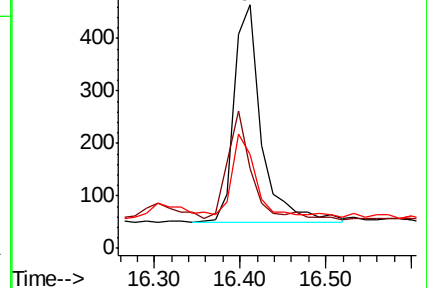
249 33.8 28.2 42.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.335 ng

RT: 16.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

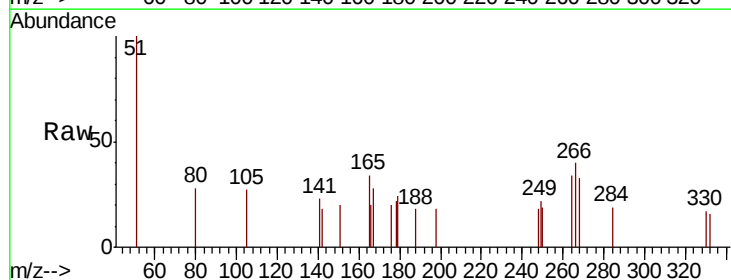
Tgt Ion:266 Resp: 301

Ion Ratio Lower Upper

266 100

264 83.3 61.0 91.4

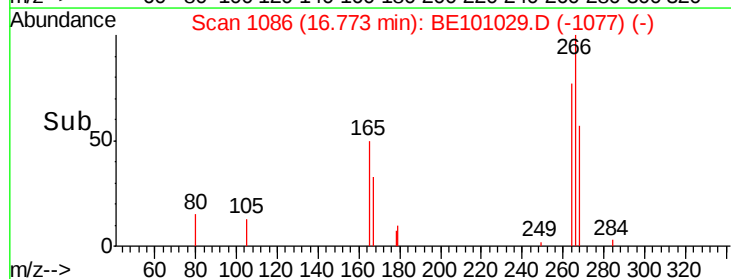
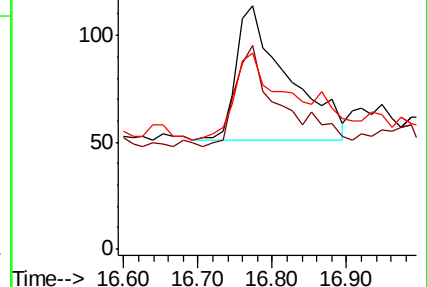
268 80.7 58.5 87.7



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





#23

Phenanthrene

Concen: 0.076 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

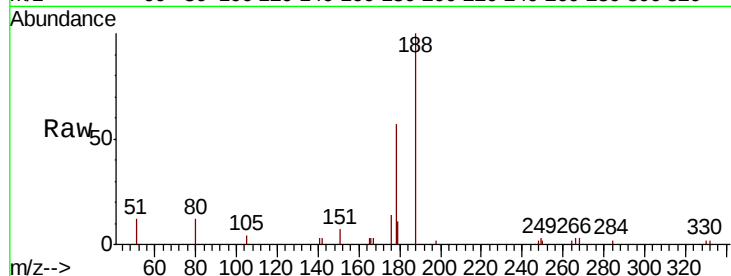
Tot Ion:178 Resp: 3922

Ion Ratio Lower Upper

178 100

176 21.2 15.7 23.5

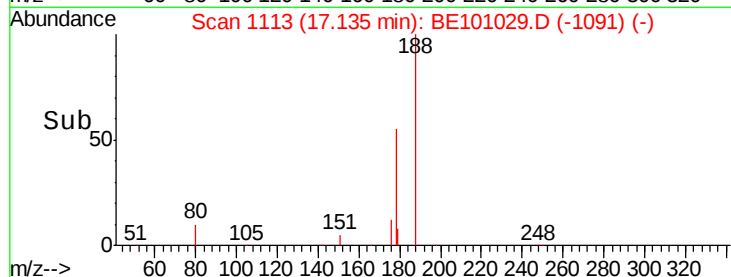
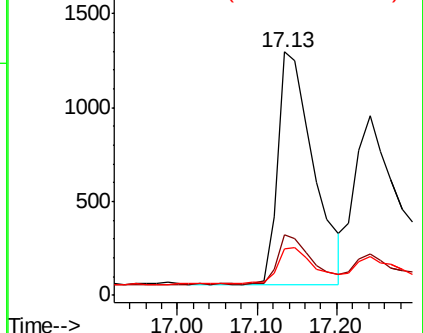
179 16.0 12.0 18.0



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: 0.081 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

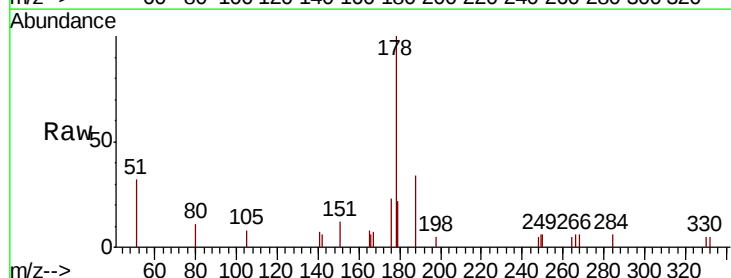
Tgt Ion:178 Resp: 3945

Ion Ratio Lower Upper

178 100

176 17.7 14.8 22.2

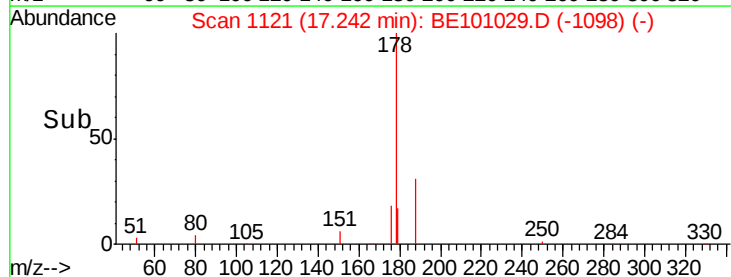
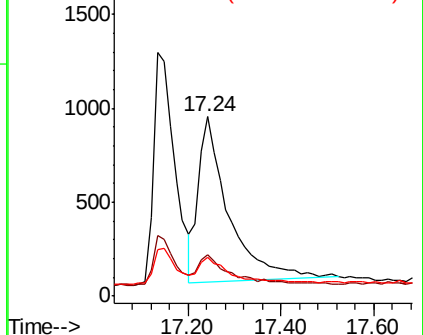
179 12.8 12.4 18.6

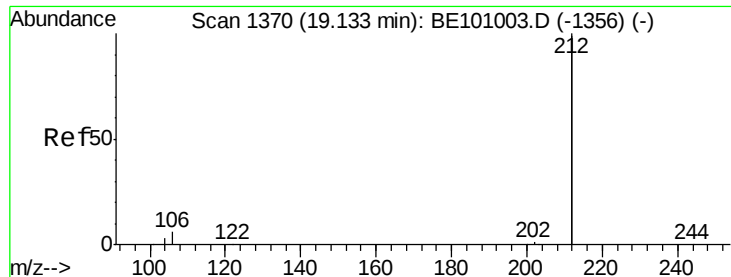


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.276 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

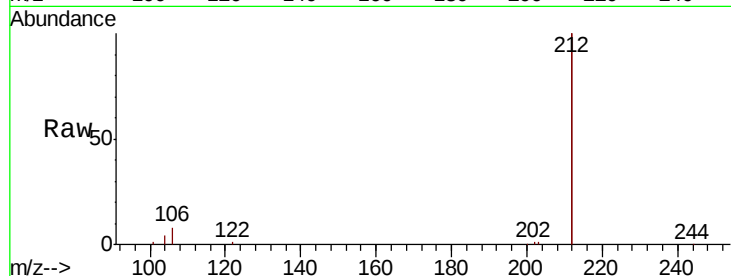
Tot Ion:212 Resp: 72824

Ion Ratio Lower Upper

212 100

106 3.4 2.6 3.8

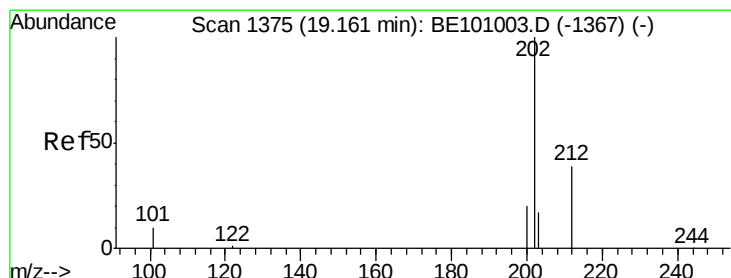
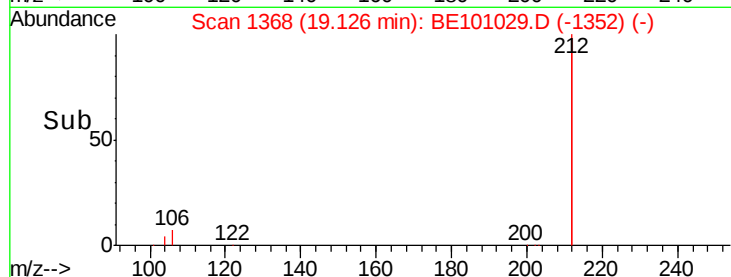
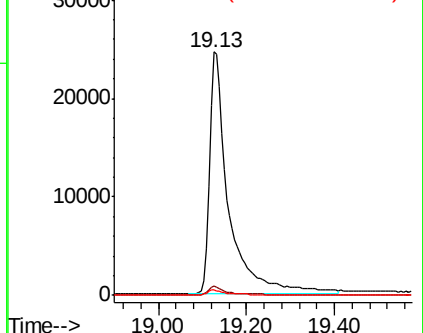
104 1.7 1.4 2.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.072 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

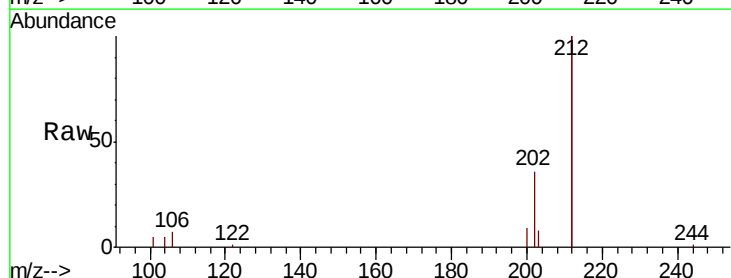
Tgt Ion:202 Resp: 4676

Ion Ratio Lower Upper

202 100

101 11.4 9.6 14.4

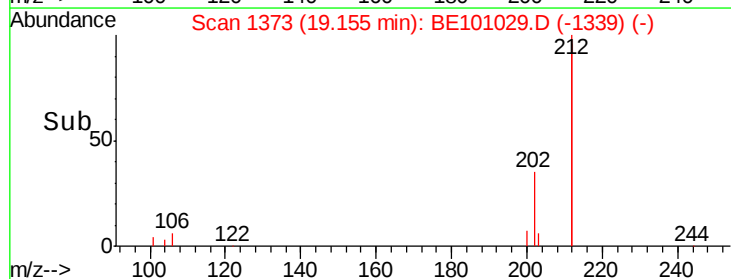
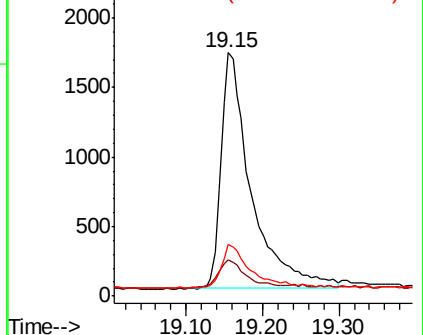
203 17.5 13.8 20.6



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

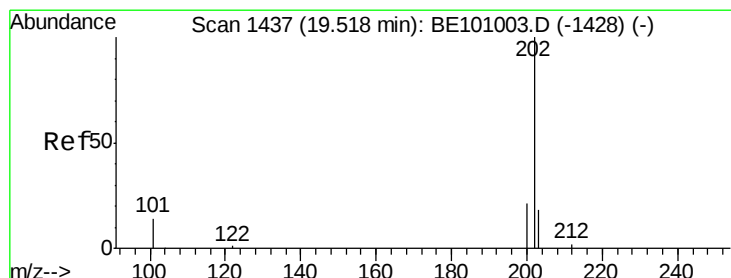
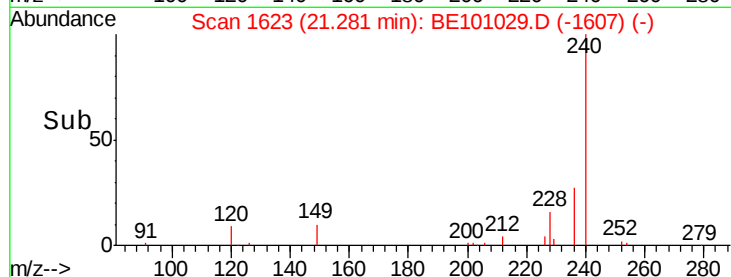
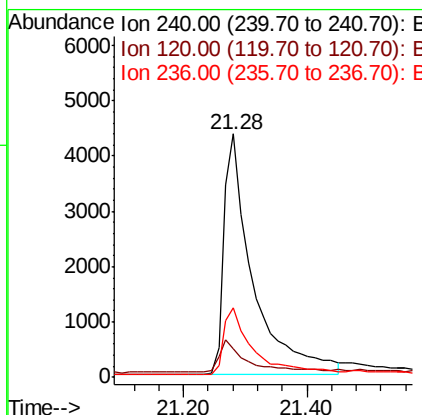
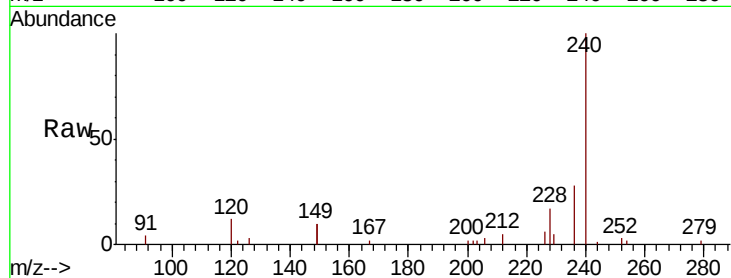




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

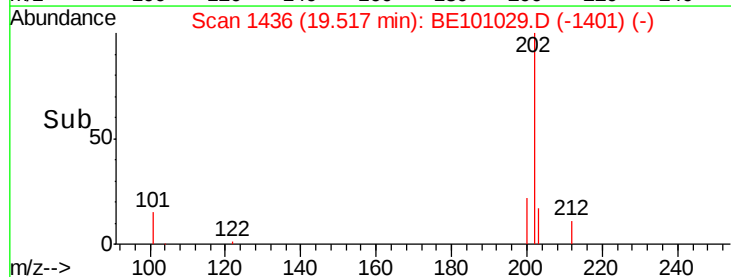
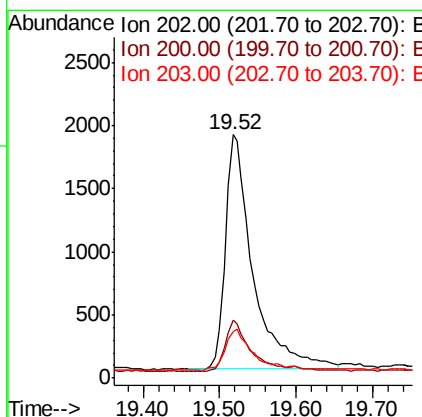
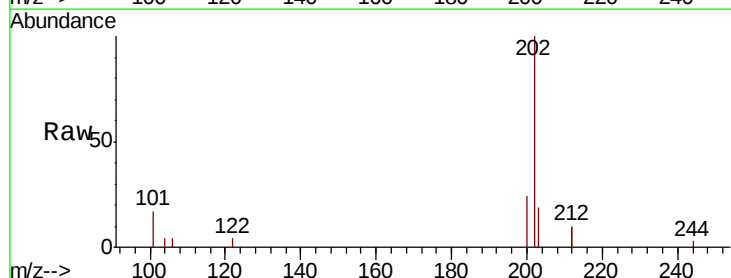
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:240 Resp: 14240
Ion Ratio Lower Upper
240 100
120 11.6 8.6 13.0
236 28.4 22.2 33.4



#28
Pyrene
Concen: 0.088 ng
RT: 19.52 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

Tgt Ion:202 Resp: 4686
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 18.4 13.8 20.6

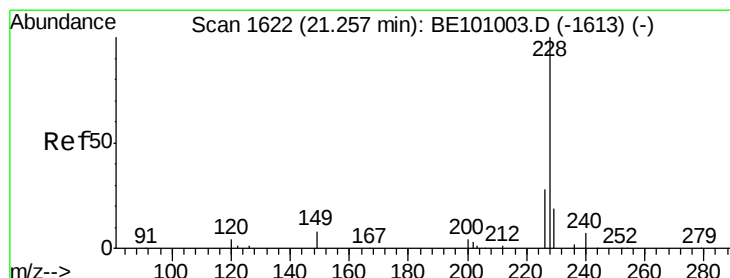
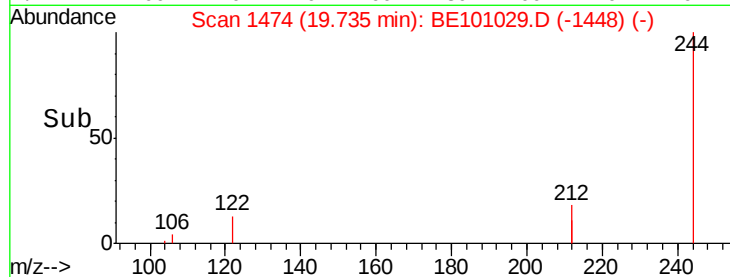
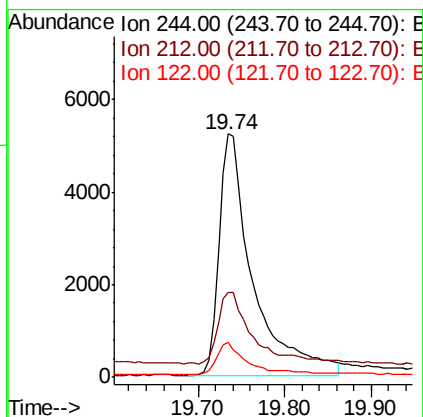
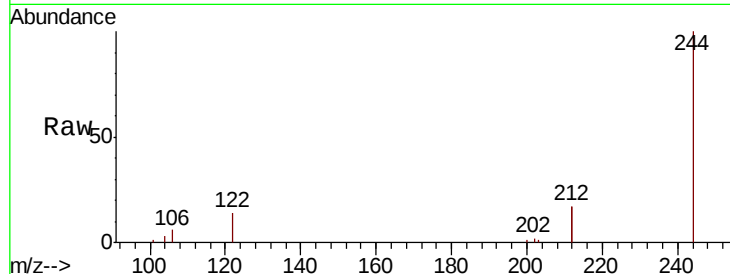




#29
 Terphenyl-d14
 Concen: 0.406 ng
 RT: 19.74 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

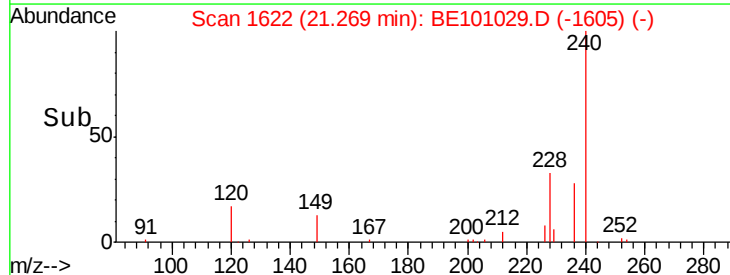
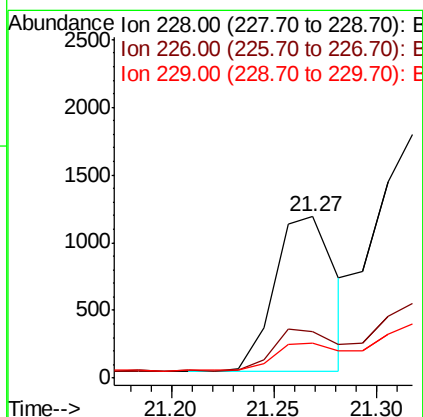
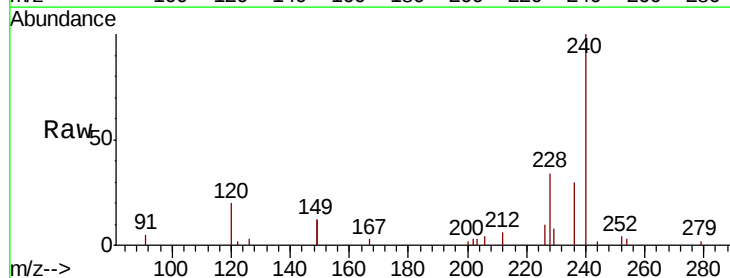
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:244 Resp: 14192
 Ion Ratio Lower Upper
 244 100
 212 34.9 27.2 40.8
 122 14.2 9.8 14.8



#30
 Benzo(a)anthracene
 Concen: 0.058 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.01 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

Tgt Ion:228 Resp: 2364
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 22.0 15.5 23.3





#31

Chrysene

Concen: 0.099 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

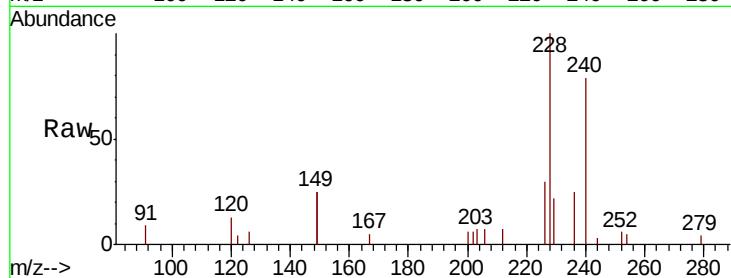
Tot Ion:228 Resp: 5988

Ion Ratio Lower Upper

228 100

226 30.5 23.5 35.3

229 22.2 16.7 25.1

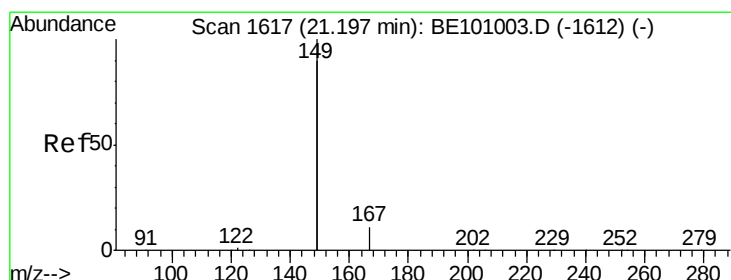
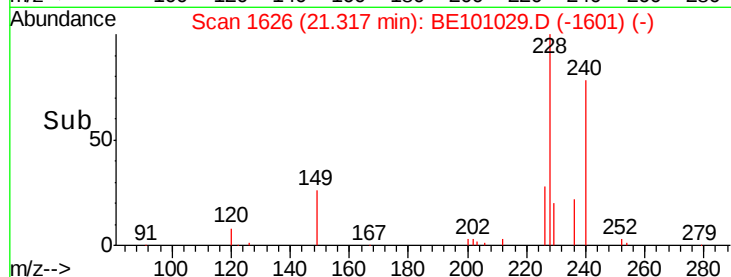
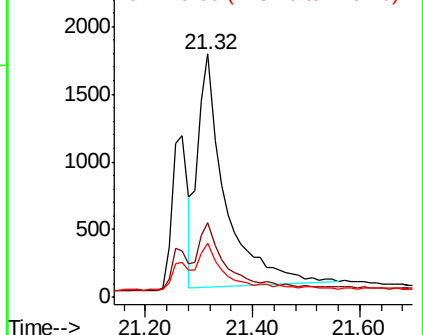


Abundance

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: 0.074 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

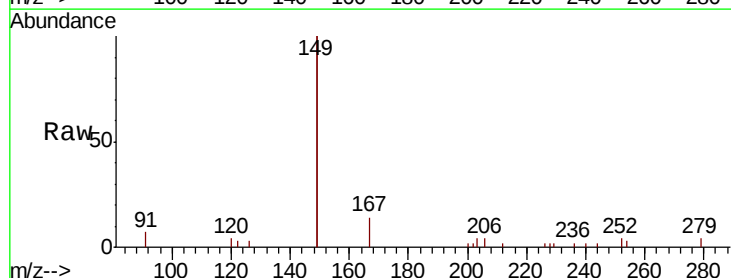
Tgt Ion:149 Resp: 5008

Ion Ratio Lower Upper

149 100

167 7.5 5.2 7.8

279 1.4 0.8 1.2#

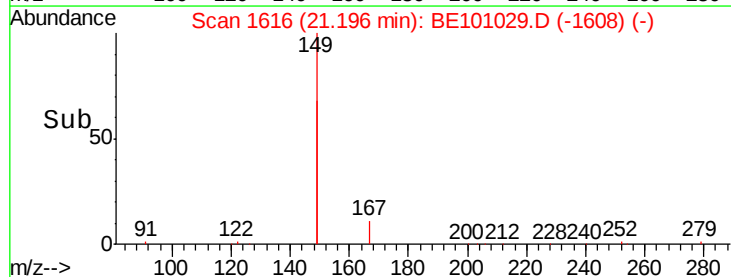
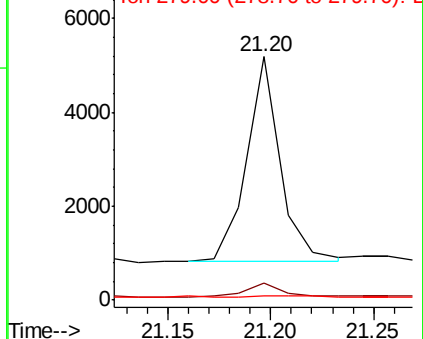


Abundance

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: 0.076 ng

RT: 26.25 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

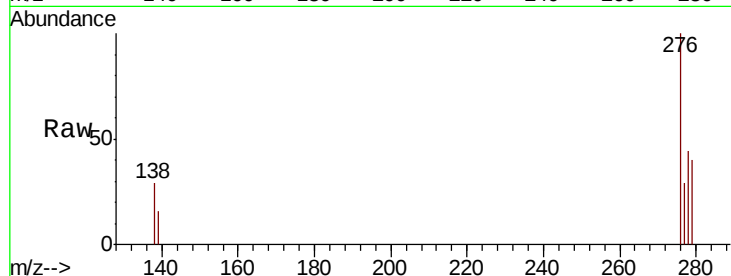
Tot Ion:276 Resp: 3608

Ion Ratio Lower Upper

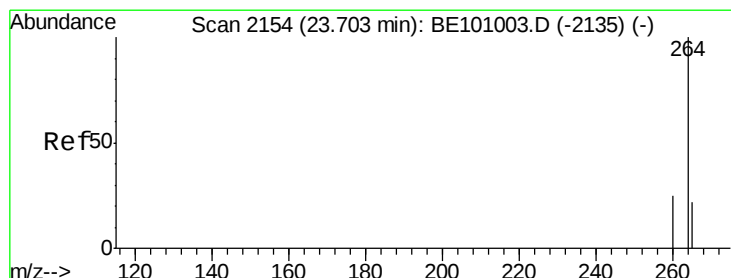
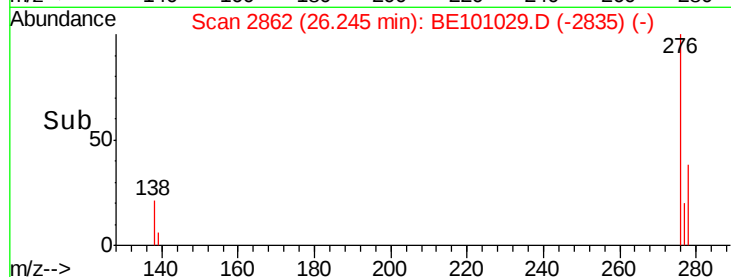
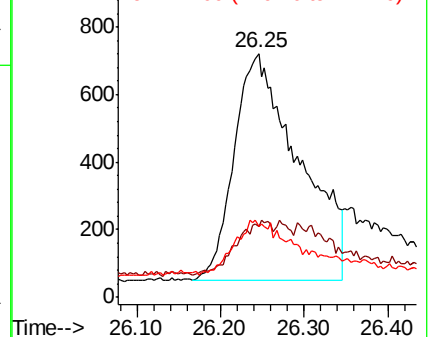
276 100

138 13.1 16.1 24.1#

277 24.3 18.1 27.1



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: 23.70 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

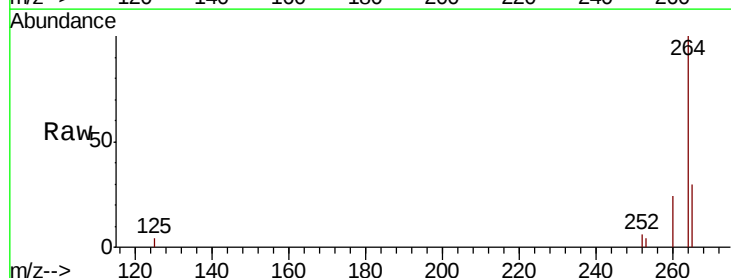
Tgt Ion:264 Resp: 16946

Ion Ratio Lower Upper

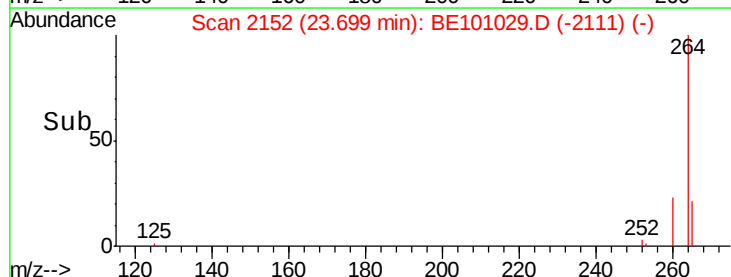
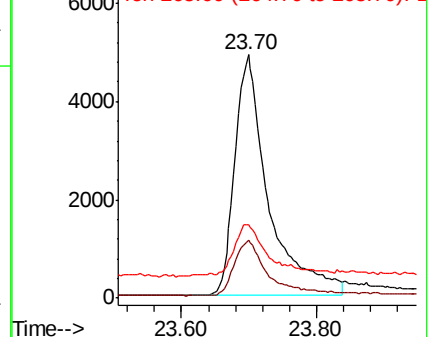
264 100

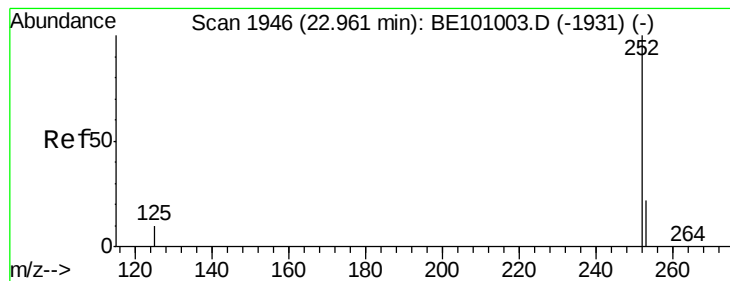
260 23.8 20.3 30.5

265 30.2 27.0 40.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.055 ng

RT: 22.96 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

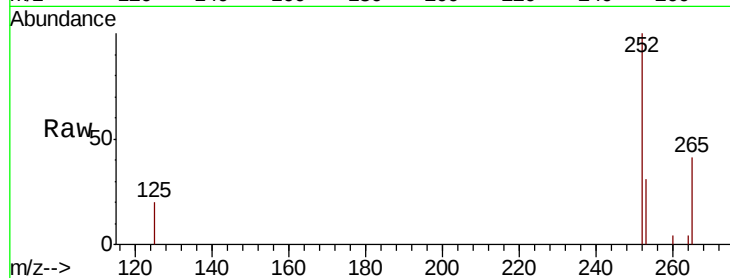
Tot Ion:252 Resp: 2636

Ion Ratio Lower Upper

252 100

253 31.2 18.5 27.7#

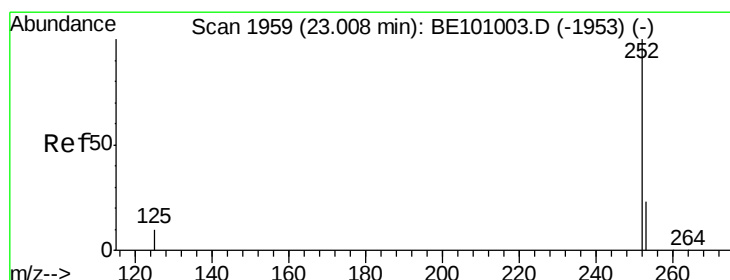
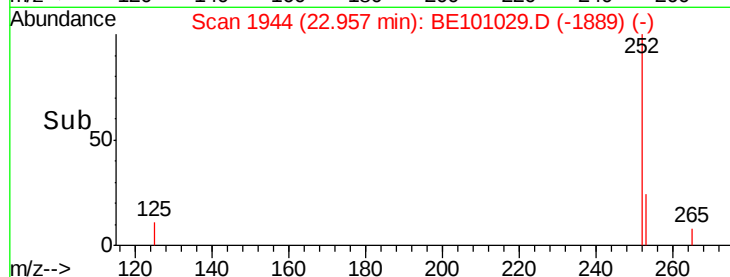
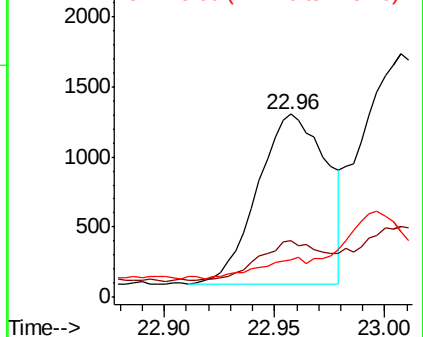
125 20.5 9.5 14.3#



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: 0.073 ng

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

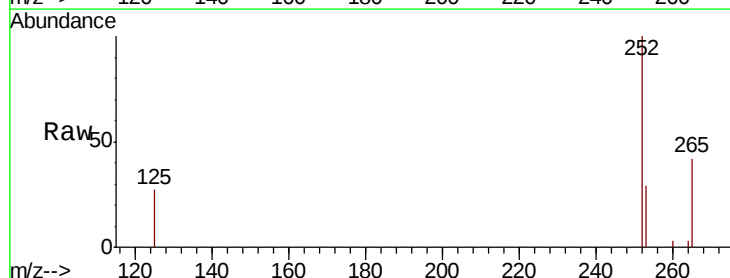
Tgt Ion:252 Resp: 5013

Ion Ratio Lower Upper

252 100

253 29.1 18.9 28.3#

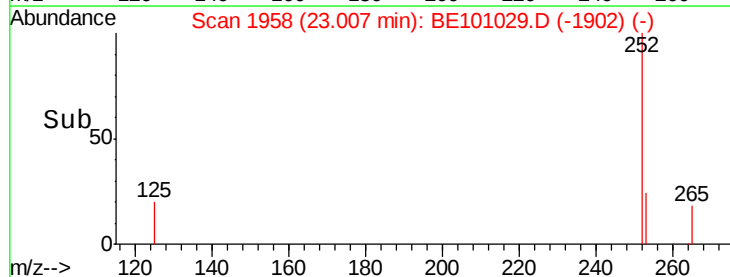
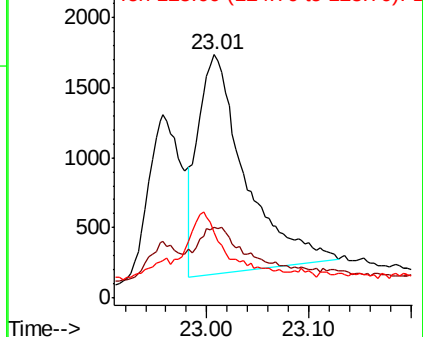
125 27.0 10.1 15.1#



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





#37

Benzo(a)pyrene

Concen: 0.068 ng

RT: 23.59 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

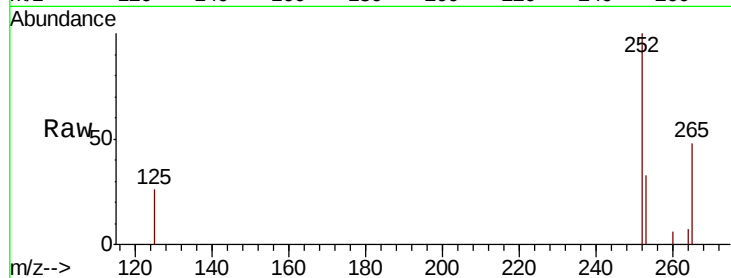
Tot Ion:252 Resp: 3137

Ion Ratio Lower Upper

252 100

253 32.6 19.4 29.2#

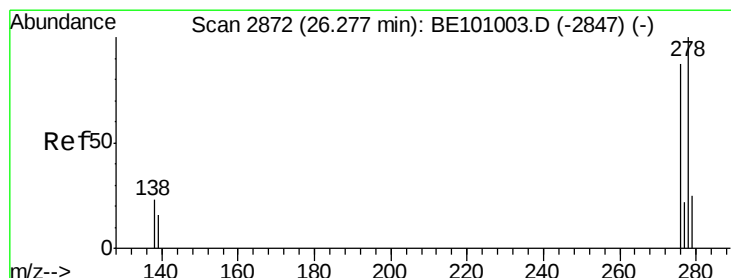
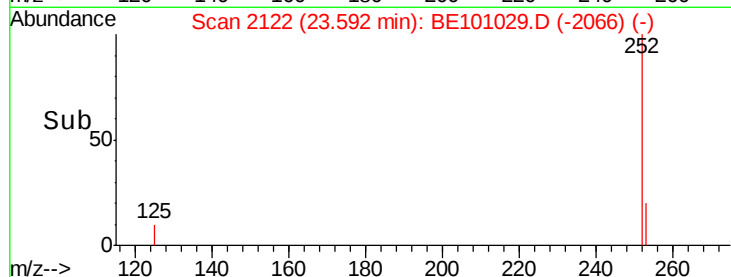
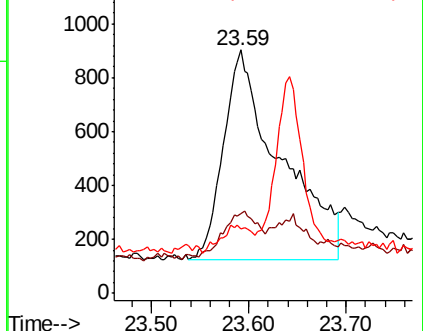
125 26.2 11.8 17.6#



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: 0.072 ng

RT: 26.27 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

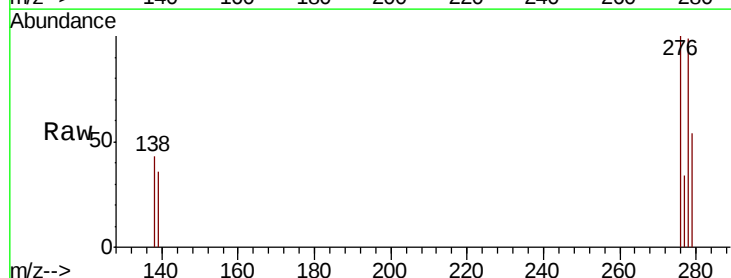
Tgt Ion:278 Resp: 3026

Ion Ratio Lower Upper

278 100

139 36.6 15.0 22.4#

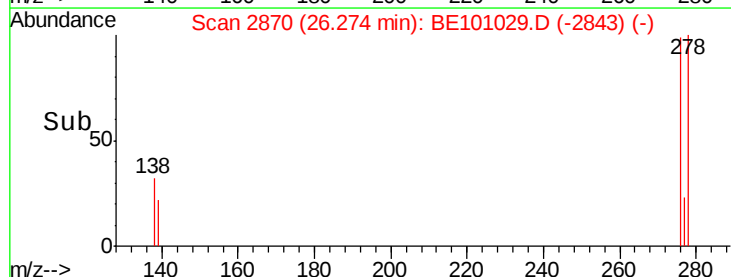
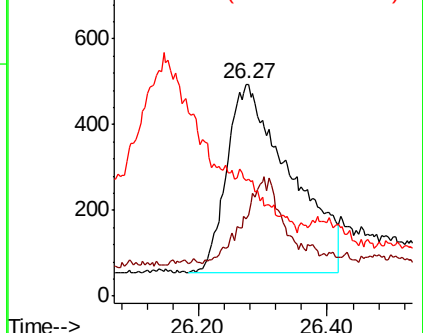
279 54.5 22.6 33.8#

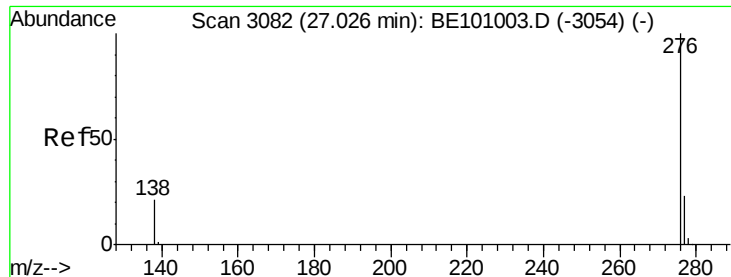


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.074 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BE101029.D

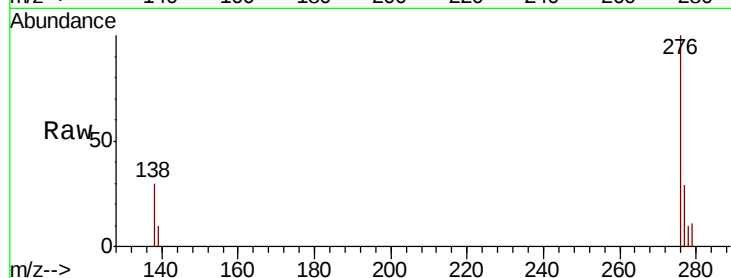
Acq: 10 Jan 2020 18:51

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019



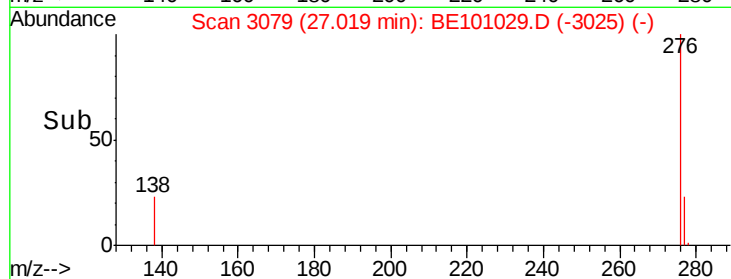
Tot Ion: 276 Resp: 3836

Ion Ratio Lower Upper

276 100

277 28.6 19.4 29.2

138 29.7 17.9 26.9#



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

