

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011020\
 Data File : BE101022.D
 Acq On : 10 Jan 2020 13:29
 Operator : JU
 Sample : K5111-03
 Misc : MDL-MDL-S-0.1NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Quant Time: Jan 10 14:12:30 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 14:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3271	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	14489	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	9065	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	19973	0.40	ng	0.00
27) Chrysene-d12	21.28	240	13913	0.40	ng	0.00
34) Perylene-d12	23.70	264	15554	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	2519	0.34	ng	0.00
5) Phenol-d6	6.91	99	2780	0.30	ng	0.00
8) Nitrobenzene-d5	8.89	82	3053	0.29	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	8592	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	597	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	13017	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	75689	0.27	ng	0.00
29) Terphenyl-d14	19.73	244	15218	0.45	ng	0.00

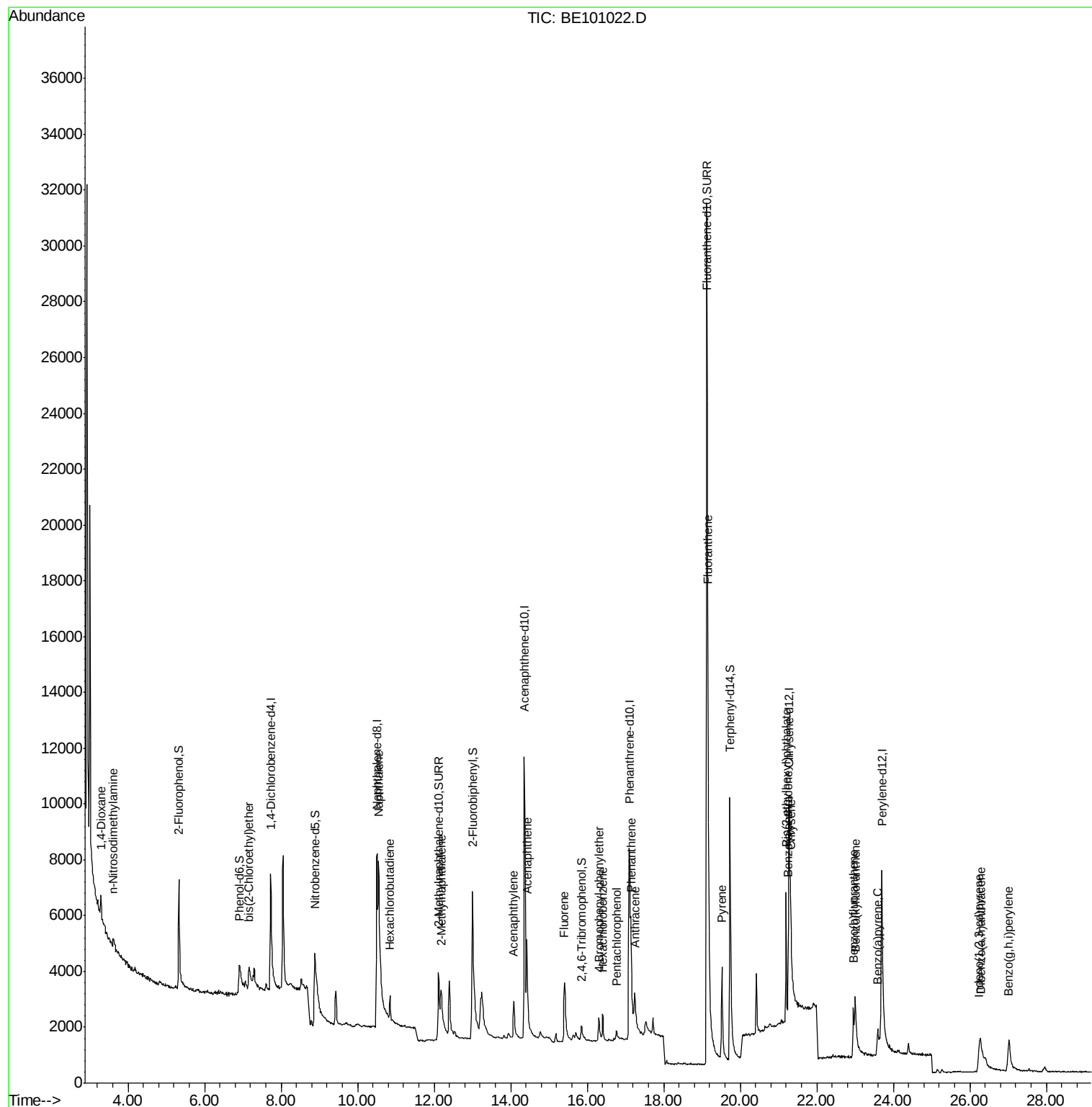
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	833	0.100	ng	# 85
3) n-Nitrosodimethylamine	3.60	42	259	0.057	ng	# 63
6) bis(2-Chloroethyl)ether	7.16	93	834	0.075	ng	91
9) Naphthalene	10.55	128	14159	0.088	ng	# 97
10) Hexachlorobutadiene	10.85	225	597	0.088	ng	97
12) 2-Methylnaphthalene	12.18	142	2021	0.083	ng	94
16) Acenaphthylene	14.08	152	2565	0.069	ng	97
17) Acenaphthene	14.43	154	2011	0.076	ng	97
18) Fluorene	15.41	166	2533	0.076	ng	99
20) 4-Bromophenyl-phenylether	16.30	248	740m	0.076	ng	
21) Hexachlorobenzene	16.41	284	899	0.084	ng	96
22) Pentachlorophenol	16.76	266	399	0.151	ng	99
23) Phenanthrene	17.15	178	4422	0.081	ng	98
24) Anthracene	17.24	178	4275m	0.083	ng	
26) Fluoranthene	19.16	202	4957	0.073	ng	99
28) Pyrene	19.52	202	5031	0.097	ng	99
30) Benzo(a)anthracene	21.26	228	2496	0.063	ng	94
31) Chrysene	21.32	228	5886	0.100	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	5116	0.077	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.24	276	2874	0.062	ng	# 75
35) Benzo(b)fluoranthene	22.96	252	2827	0.065	ng	# 87
36) Benzo(k)fluoranthene	23.01	252	5600m	0.089	ng	
37) Benzo(a)pyrene	23.59	252	2828	0.067	ng	# 70
38) Dibenzo(a,h)anthracene	26.28	278	2926m	0.075	ng	
39) Benzo(g,h,i)perylene	27.02	276	3792m	0.079	ng	

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

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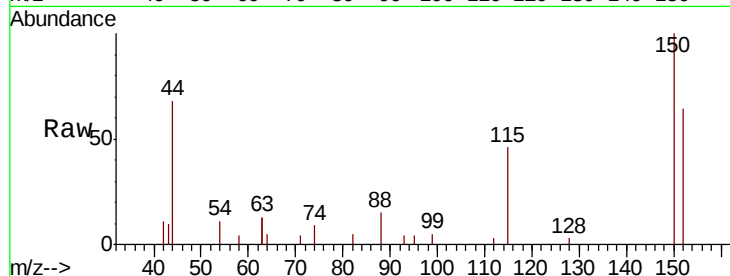


#1

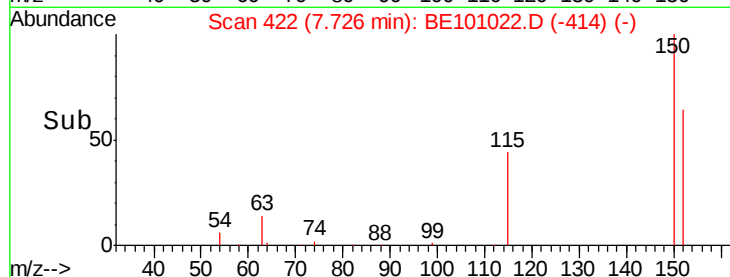
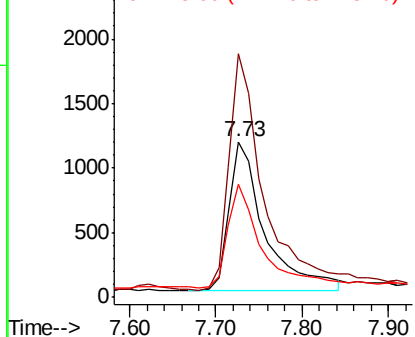
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:152 Resp: 3271
Ion Ratio Lower Upper
152 100
150 156.2 120.3 180.5
115 72.3 51.7 77.5



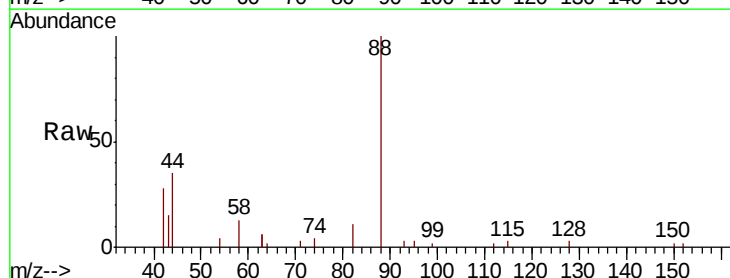
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



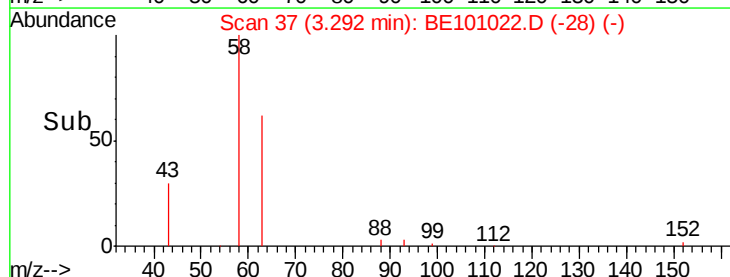
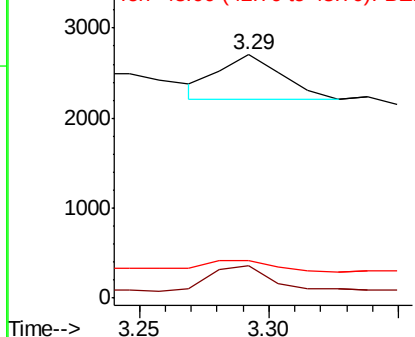
#2

1,4-Dioxane
Concen: 0.100 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion: 88 Resp: 833
Ion Ratio Lower Upper
88 100
58 54.1 53.0 79.4
43 36.4 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



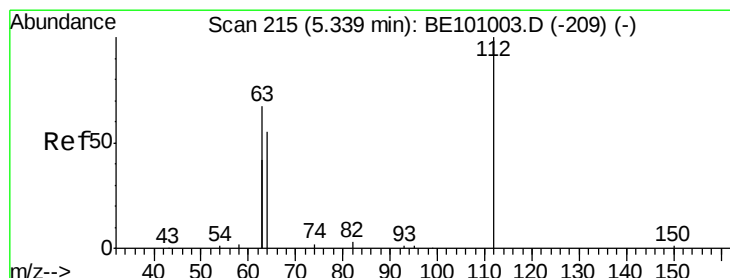
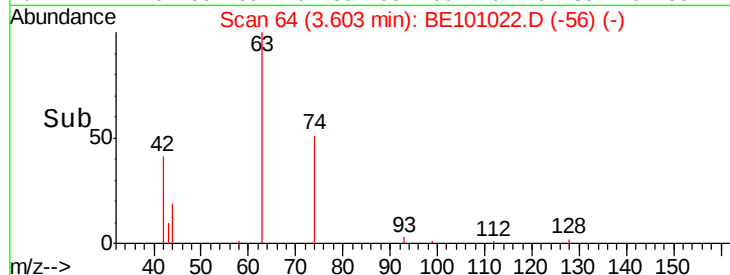
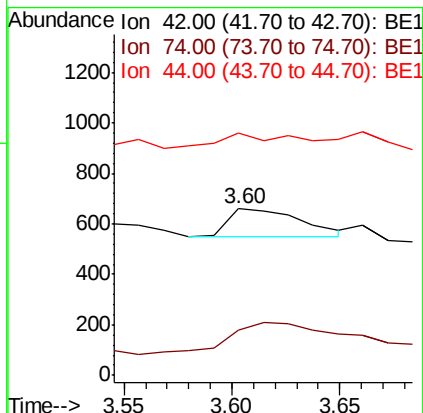
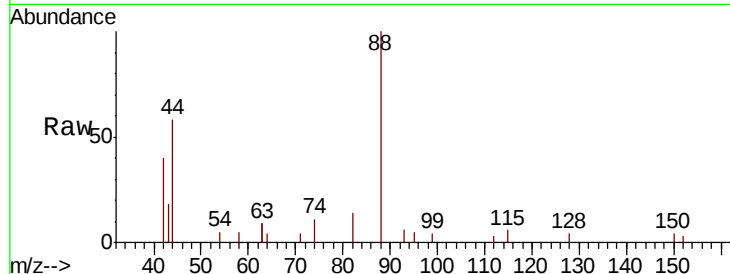


#3

n-Nitrosodimethylamine
 Concen: 0.057 ng
 RT: 3.60 min Scan# 64
 Delta R.T. -0.01 min
 Lab File: BE101022.D
 Acq: 10 Jan 2020 13:29

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

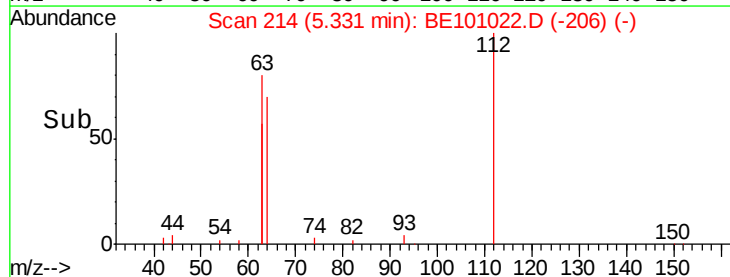
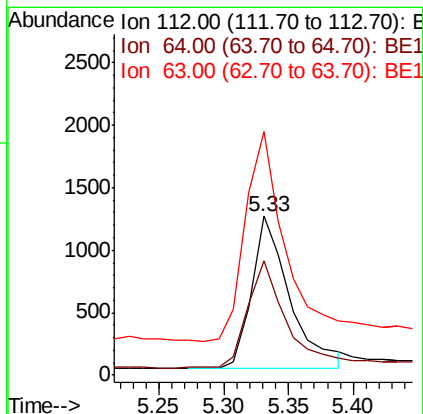
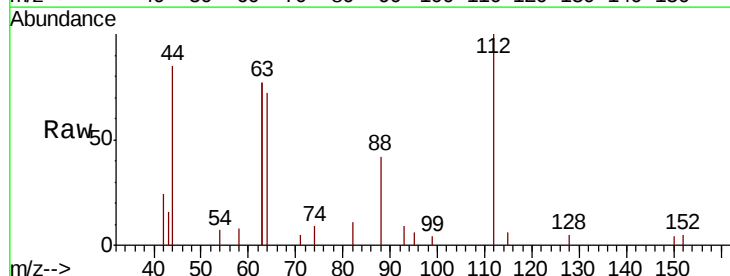
Tot Ion: 42 Resp: 259
 Ion Ratio Lower Upper
 42 100
 74 168.3 105.7 158.5#
 44 51.4 10.0 15.0#



#4

2-Fluorophenol
 Concen: 0.342 ng
 RT: 5.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: BE101022.D
 Acq: 10 Jan 2020 13:29

Tgt Ion: 112 Resp: 2519
 Ion Ratio Lower Upper
 112 100
 64 70.6 53.6 80.4
 63 144.7 114.6 172.0





#5

Phenol-d6

Concen: 0.298 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

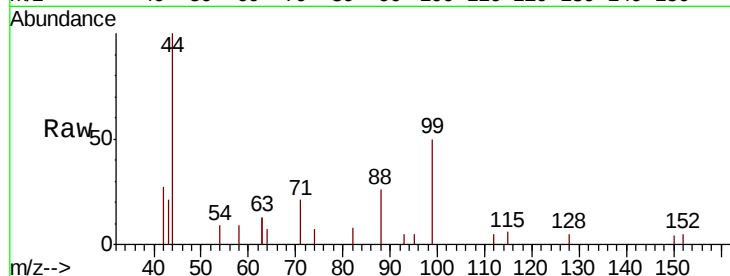
Tot Ion: 99 Resp: 2780

Ion Ratio Lower Upper

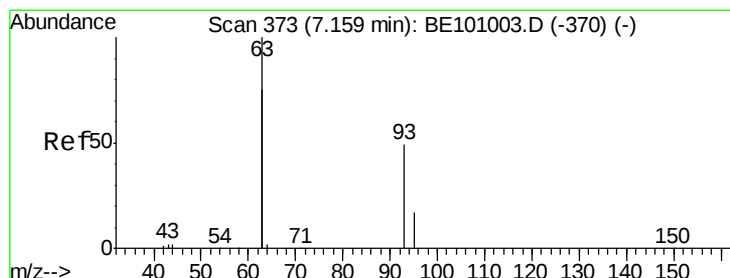
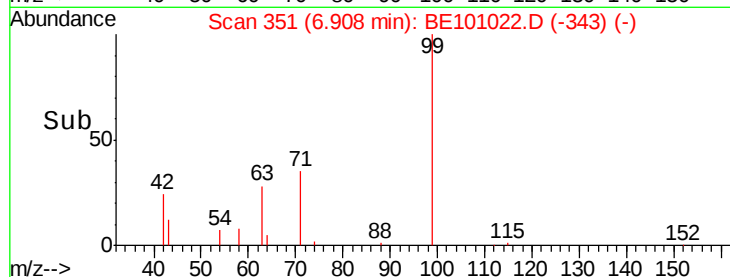
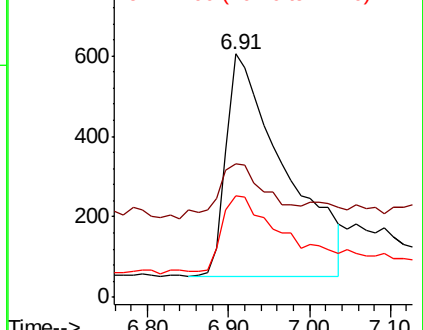
99 100

42 20.1 18.3 27.5

71 36.0 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



#6

bis(2-Chloroethyl)ether

Concen: 0.075 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

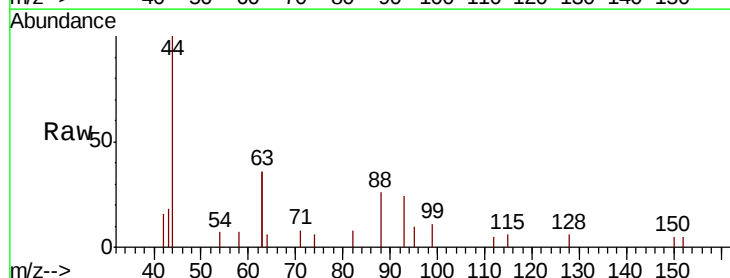
Tgt Ion: 93 Resp: 834

Ion Ratio Lower Upper

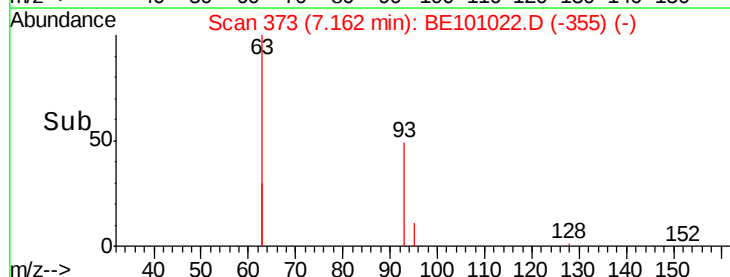
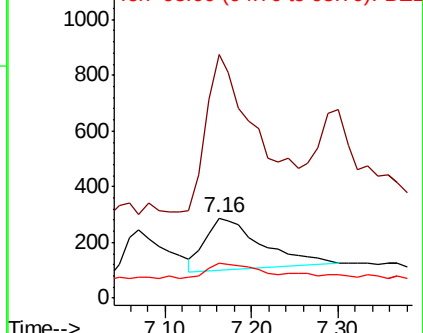
93 100

63 274.9 233.9 350.9

95 26.3 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:136 Resp: 14489

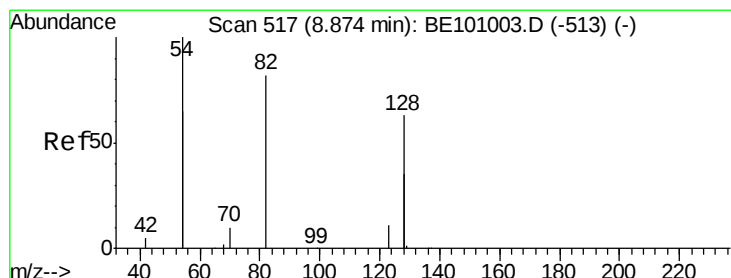
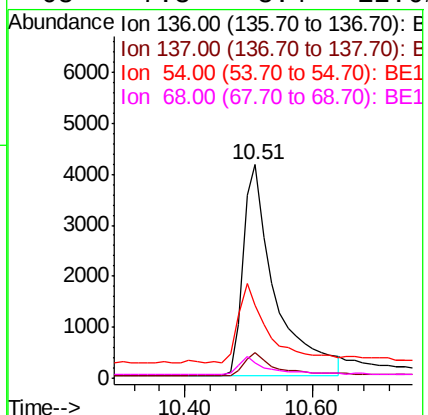
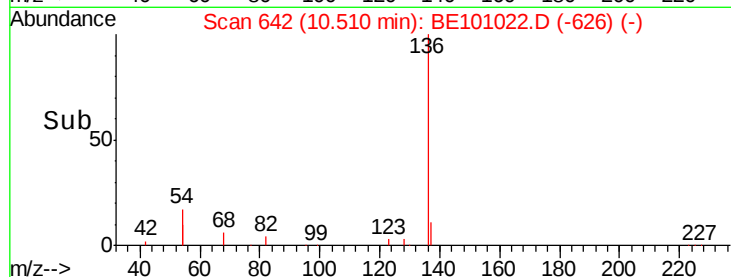
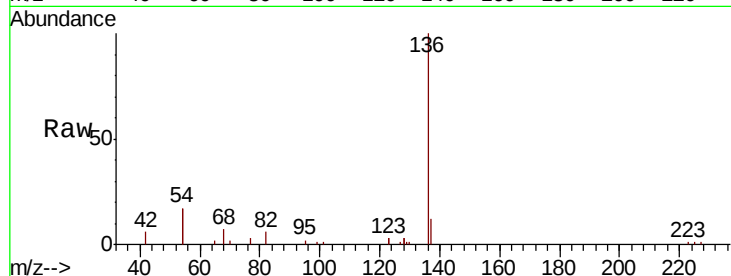
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 34.1 36.8 55.2#

68 7.3 8.4 12.6#



#8

Nitrobenzene-d5

Concen: 0.295 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

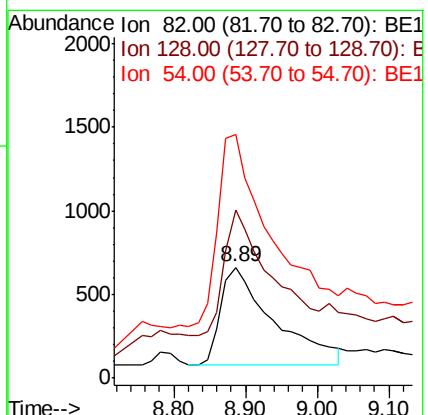
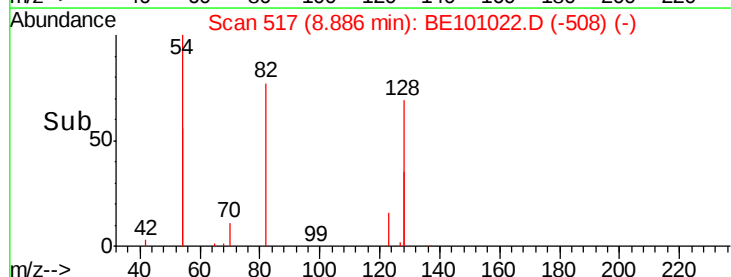
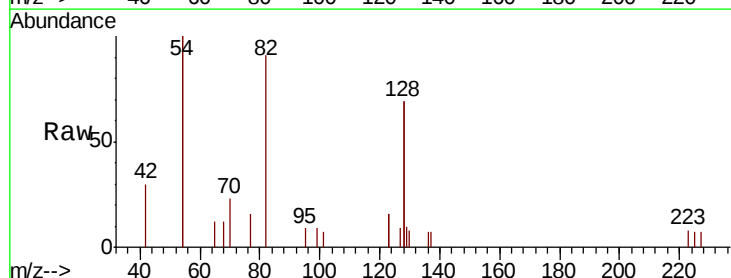
Tgt Ion: 82 Resp: 3053

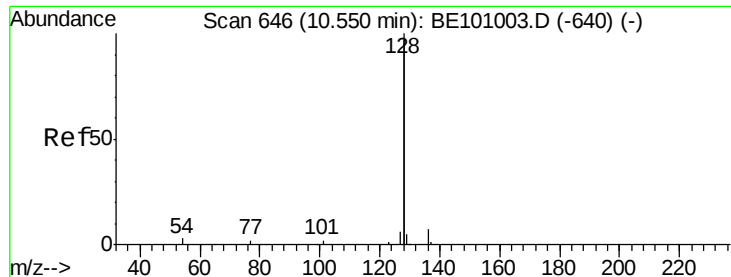
Ion Ratio Lower Upper

82 100

128 151.9 109.8 164.6

54 220.3 174.5 261.7





#9

Naphthalene

Concen: 0.088 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

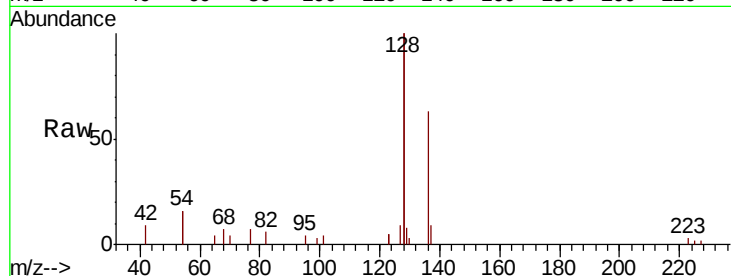
Tot Ion:128 Resp: 14159

Ion Ratio Lower Upper

128 100

129 4.2 2.3 3.5#

127 4.4 2.7 4.1#

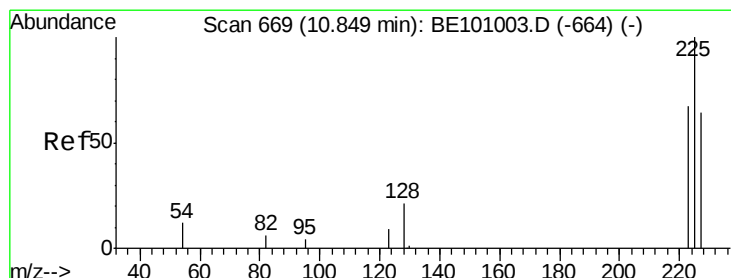
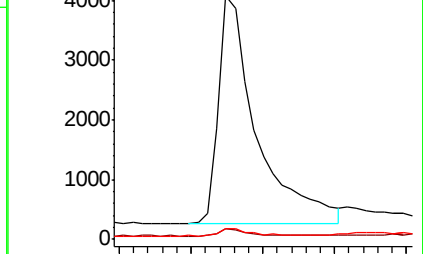
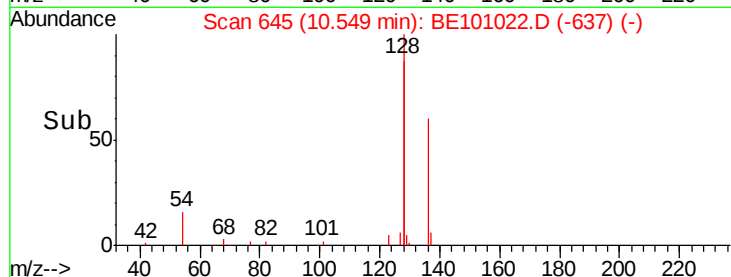


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.55



#10

Hexachlorobutadiene

Concen: 0.088 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

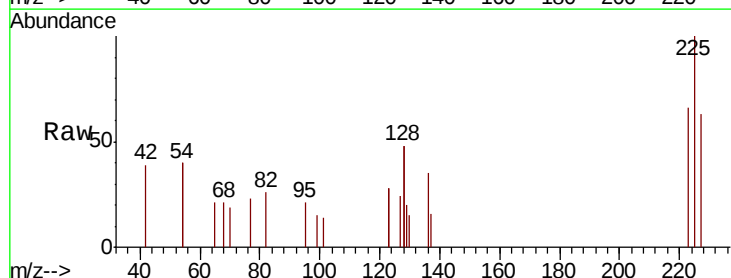
Tgt Ion:225 Resp: 597

Ion Ratio Lower Upper

225 100

223 63.7 52.2 78.4

227 65.5 49.9 74.9

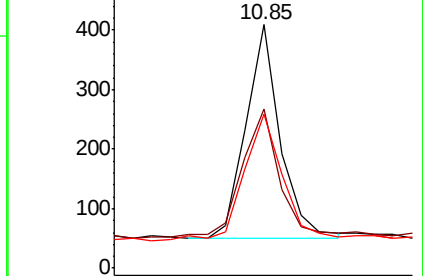
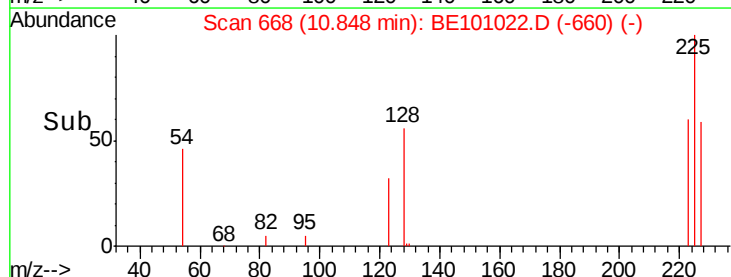


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

10.85

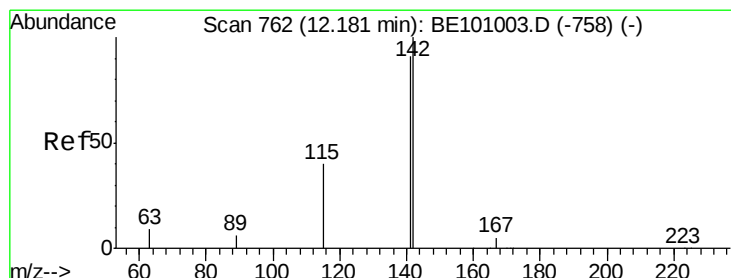
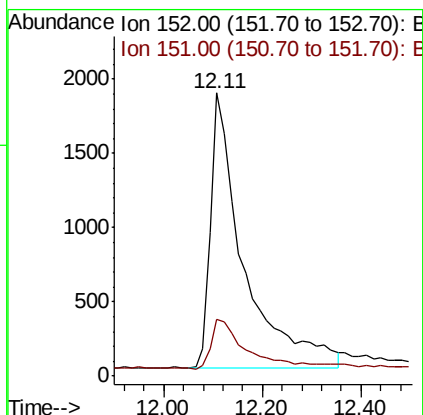
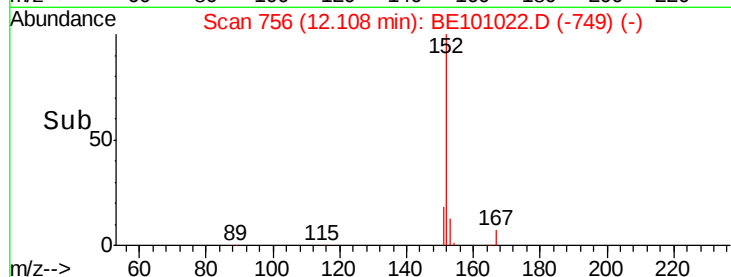
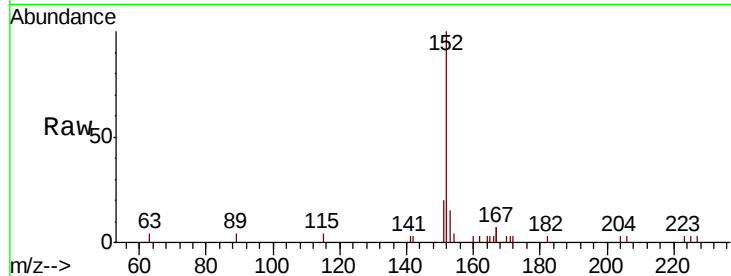




#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

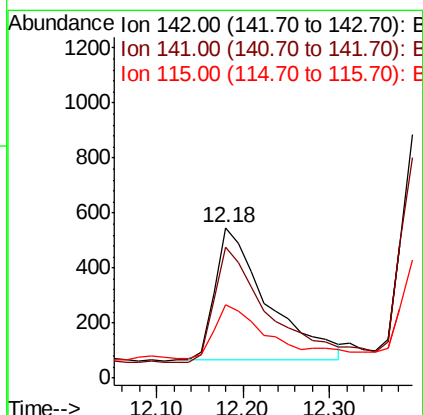
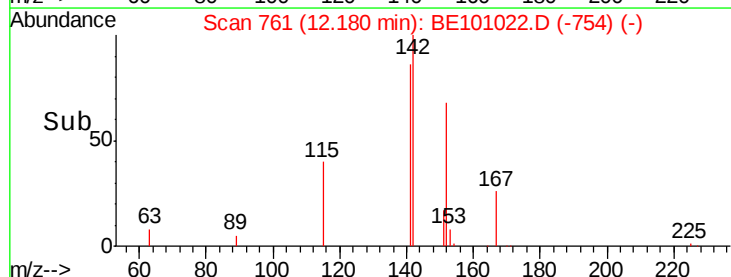
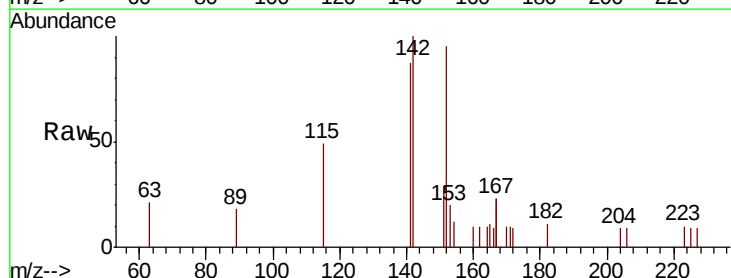
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MDL-MDL-SOIL-03-QT4-2019

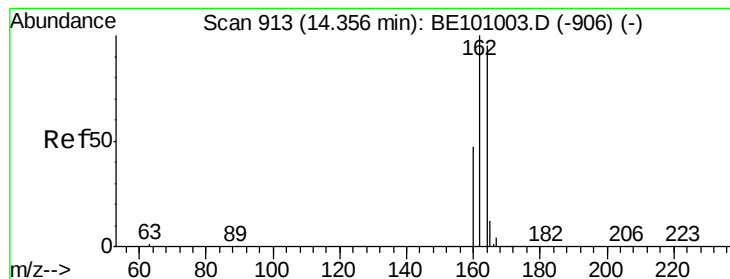
Tot Ion:152 Resp: 8592
Ion Ratio Lower Upper
152 100
151 20.0 15.0 22.6



#12
2-Methylnaphthalene
Concen: 0.083 ng
RT: 12.18 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:142 Resp: 2021
Ion Ratio Lower Upper
142 100
141 86.8 72.5 108.7
115 48.8 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: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

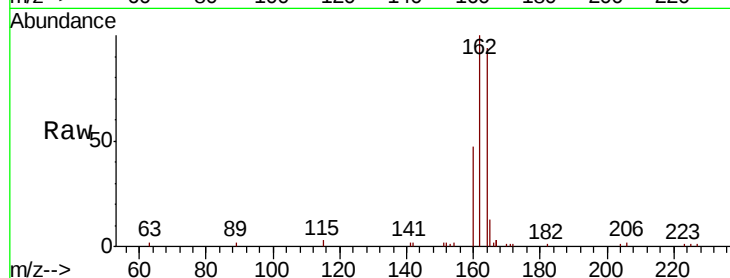
Tot Ion:164 Resp: 9065

Ion Ratio Lower Upper

164 100

162 106.1 84.1 126.1

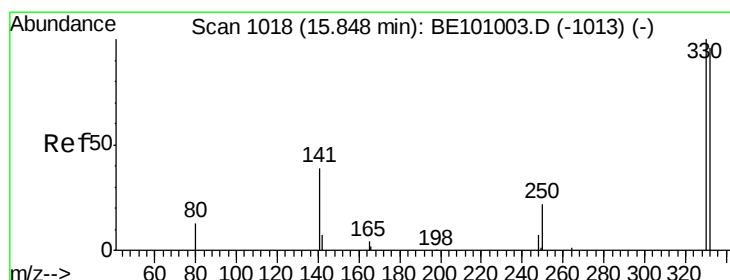
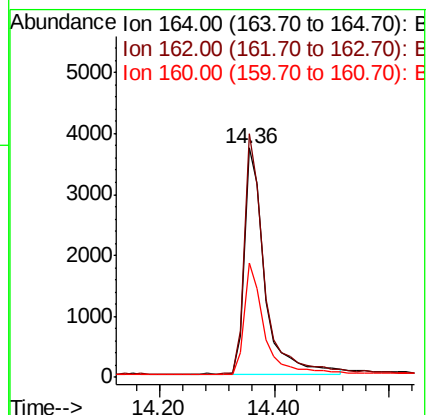
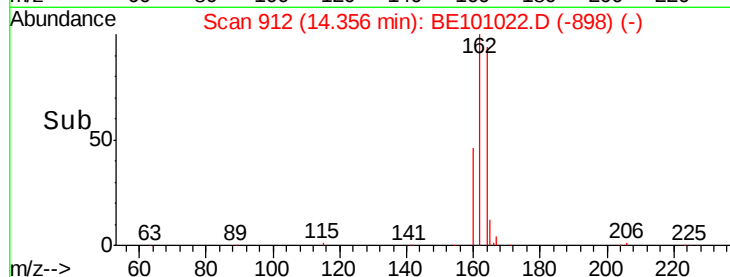
160 49.7 40.4 60.6



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: 0.233 ng

RT: 15.85 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

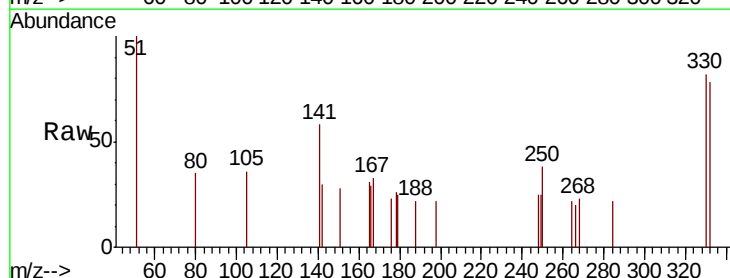
Tgt Ion:330 Resp: 597

Ion Ratio Lower Upper

330 100

332 106.2 78.4 117.6

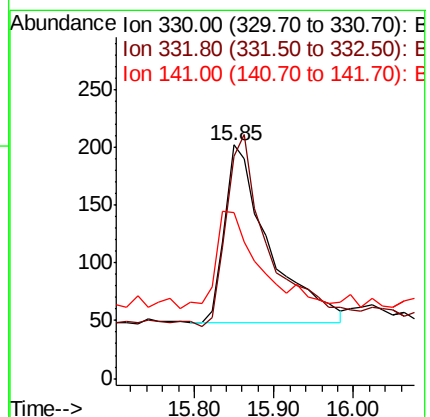
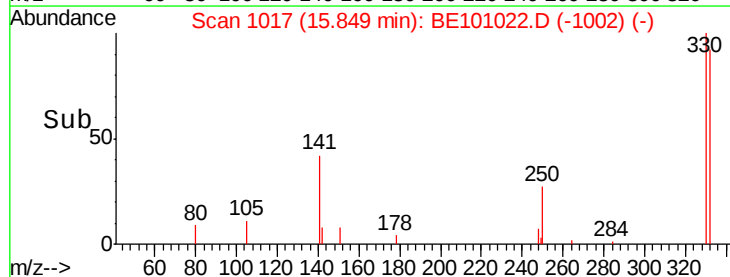
141 0.0 37.0 55.4#



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

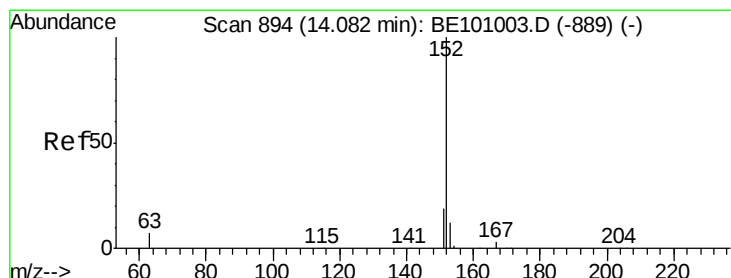
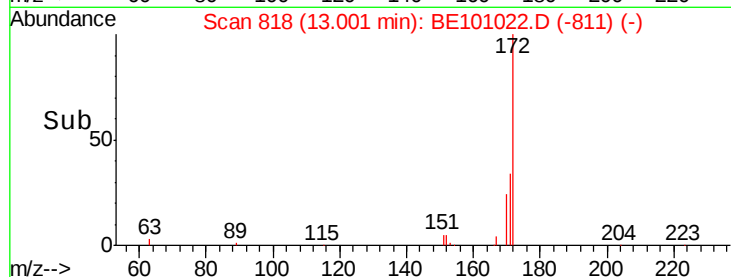
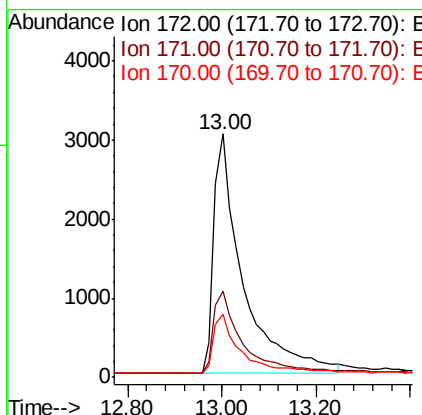
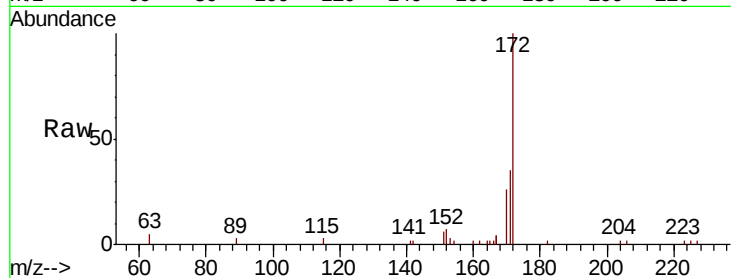




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

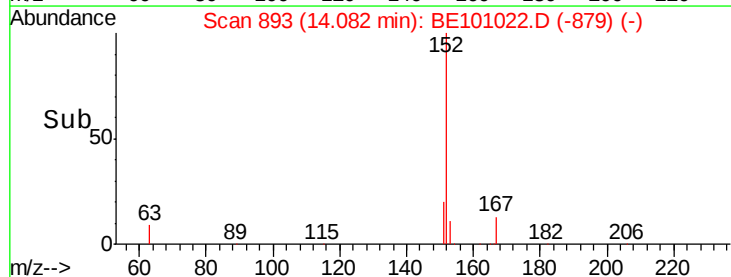
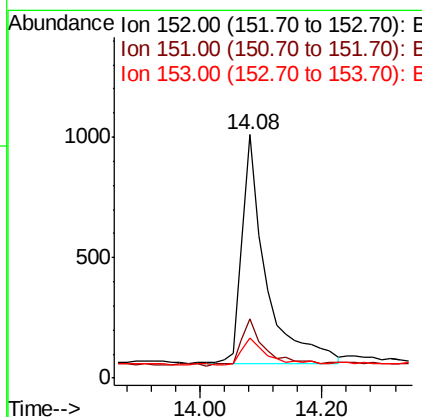
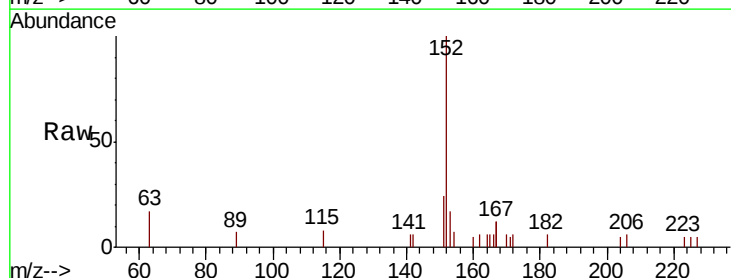
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:172 Resp: 13017
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 25.8 18.9 28.3



#16
Acenaphthylene
Concen: 0.069 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:152 Resp: 2565
Ion Ratio Lower Upper
152 100
151 21.1 15.5 23.3
153 12.4 10.4 15.6

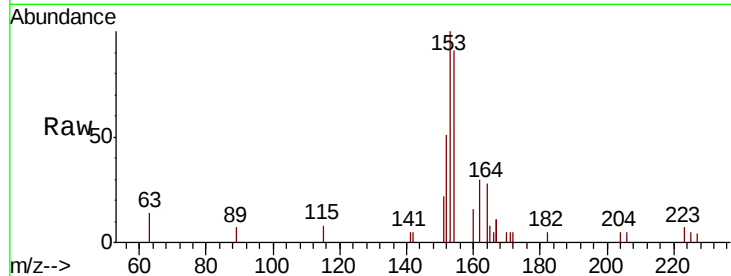




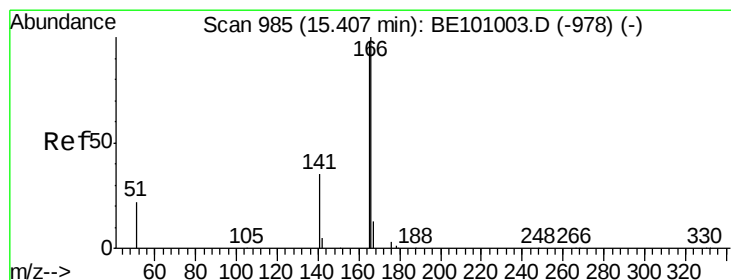
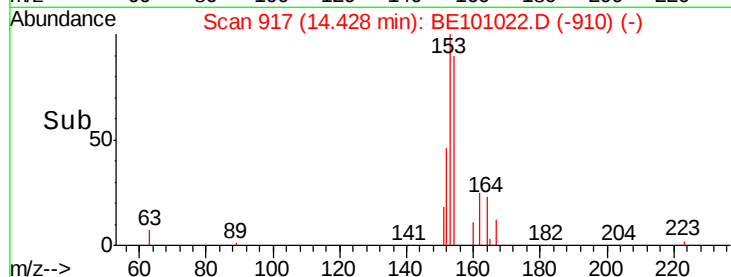
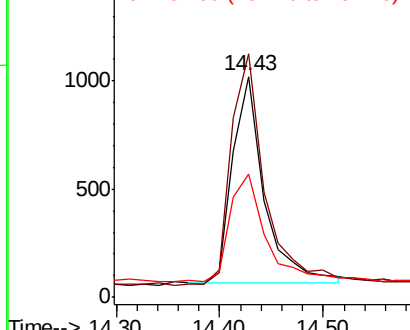
#17
Acenaphthene
Concen: 0.076 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:154 Resp: 2011
Ion Ratio Lower Upper
154 100
153 121.3 93.6 140.4
152 59.7 46.3 69.5

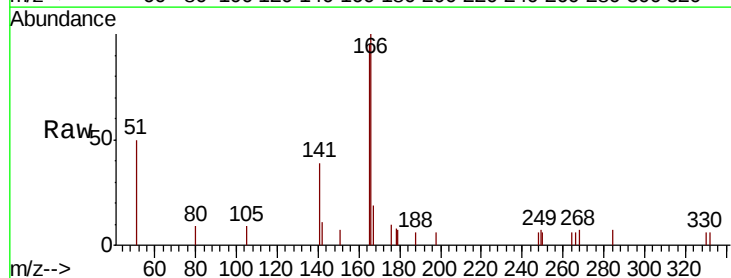


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

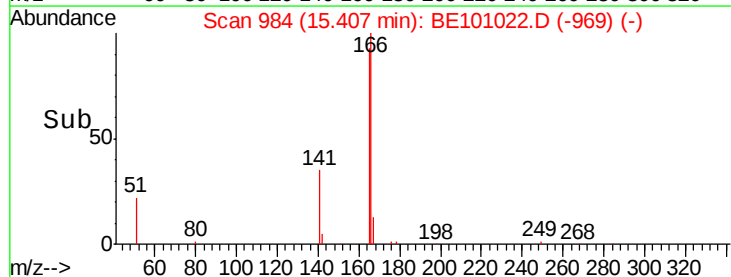
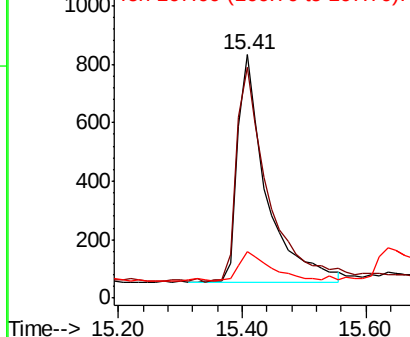


#18
Fluorene
Concen: 0.076 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:166 Resp: 2533
Ion Ratio Lower Upper
166 100
165 100.9 79.8 119.8
167 14.1 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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

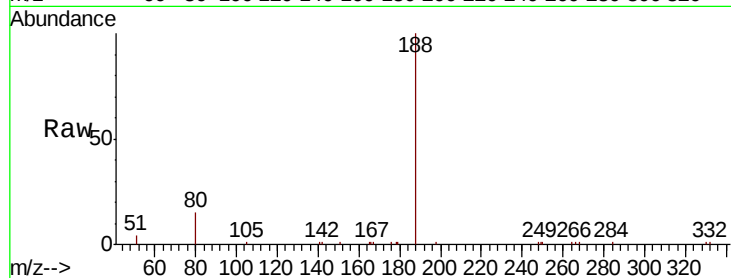
Tot Ion:188 Resp: 19973

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

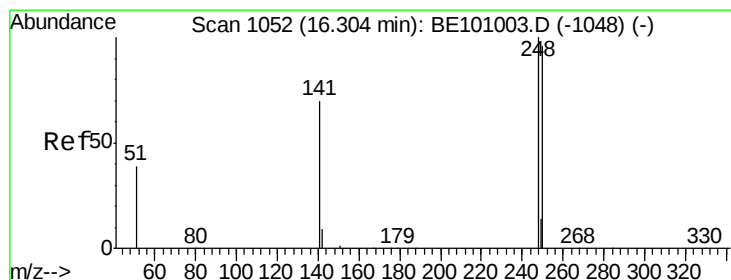
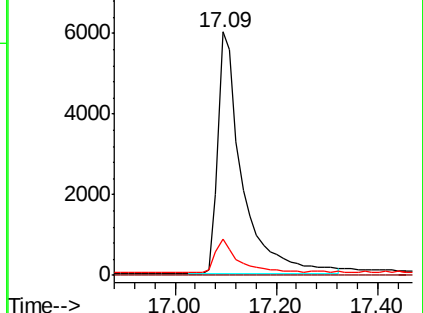
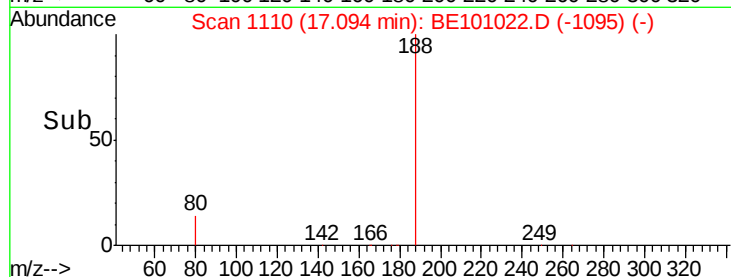
80 14.8 10.8 16.2



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: 0.076 ng m

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

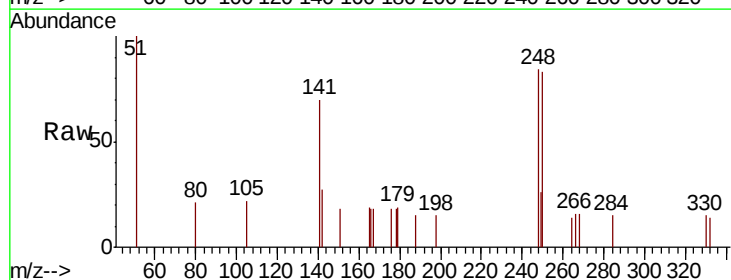
Tgt Ion:248 Resp: 740

Ion Ratio Lower Upper

248 100

250 99.3 76.6 115.0

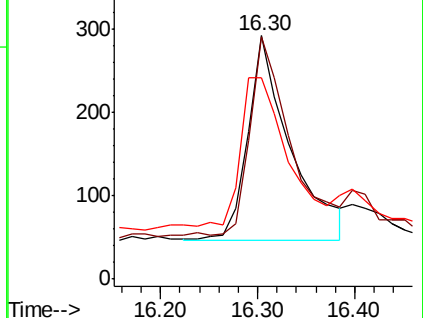
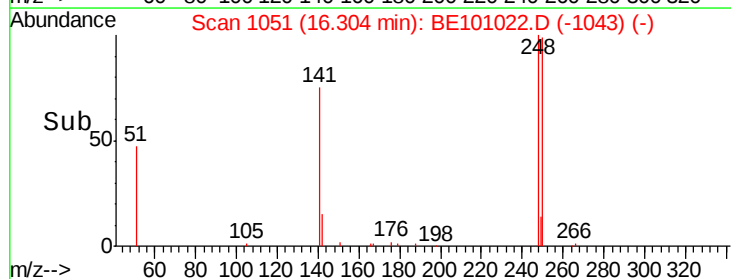
141 82.9 57.7 86.5



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

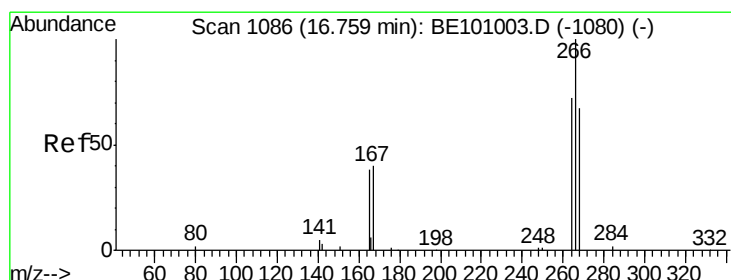
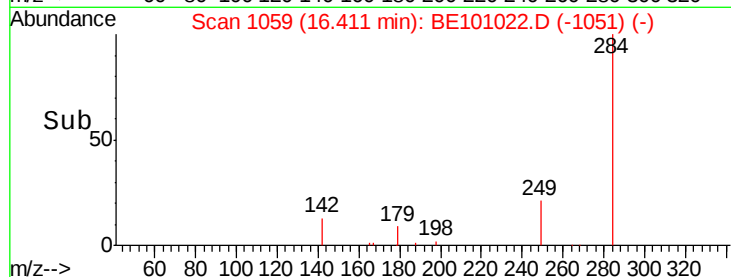
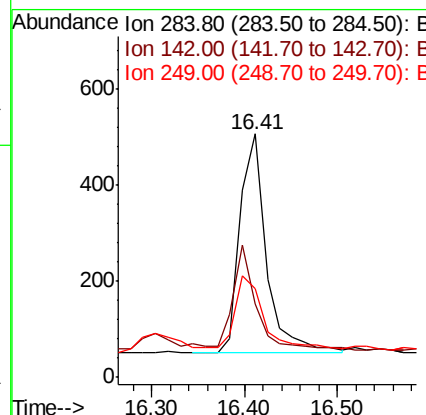
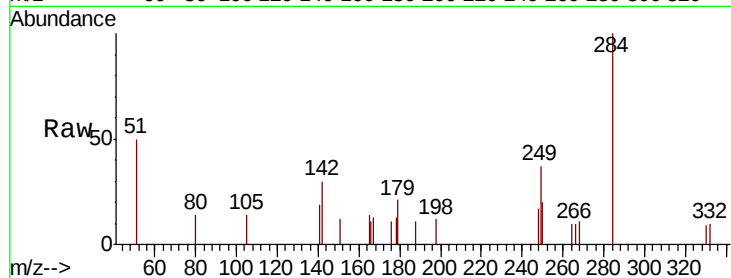




#21
Hexachlorobenzene
Concen: 0.084 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

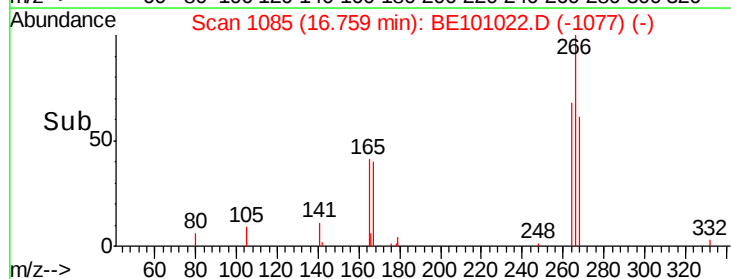
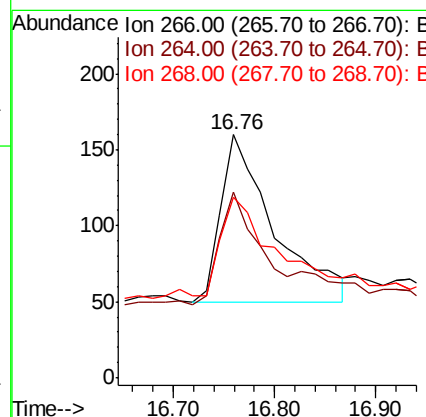
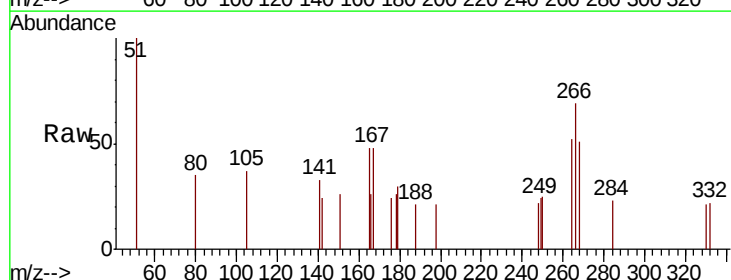
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:284 Resp: 899
Ion Ratio Lower Upper
284 100
142 37.8 34.0 51.0
249 34.7 28.2 42.4



#22
Pentachlorophenol
Concen: 0.151 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:266 Resp: 399
Ion Ratio Lower Upper
266 100
264 76.3 61.0 91.4
268 74.4 58.5 87.7





#23

Phenanthrene

Concen: 0.081 ng

RT: 17.15 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

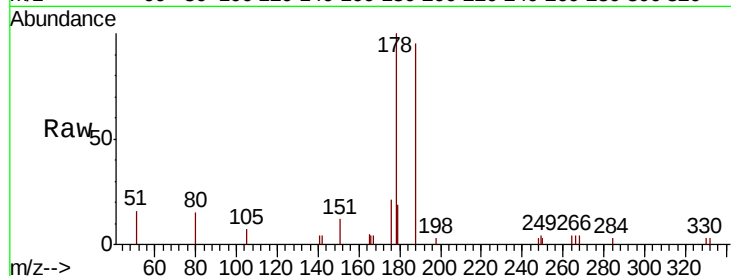
Tot Ion:178 Resp: 4422

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

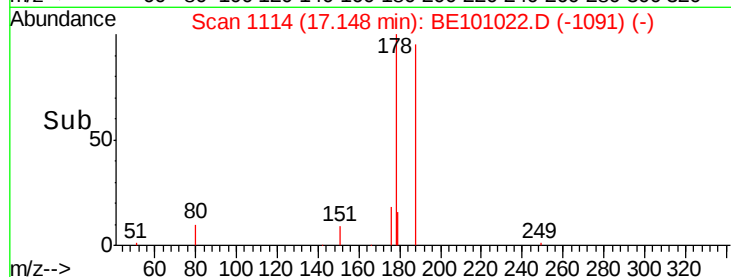
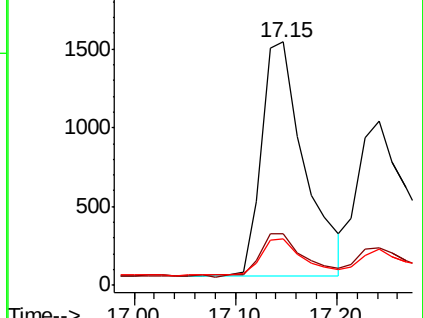
179 15.9 12.0 18.0



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: 0.083 ng m

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

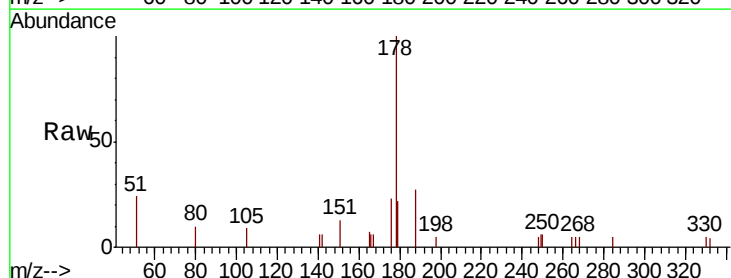
Tgt Ion:178 Resp: 4275

Ion Ratio Lower Upper

178 100

176 19.8 14.8 22.2

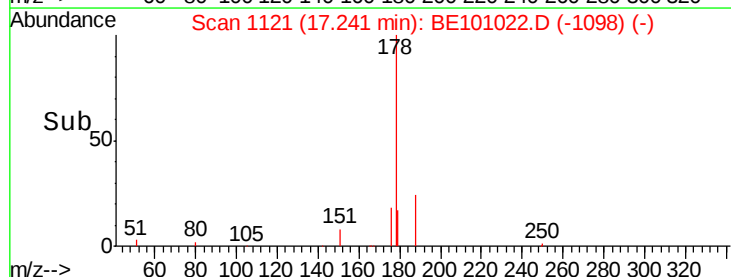
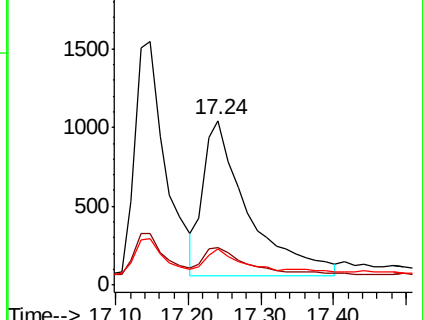
179 16.5 12.4 18.6

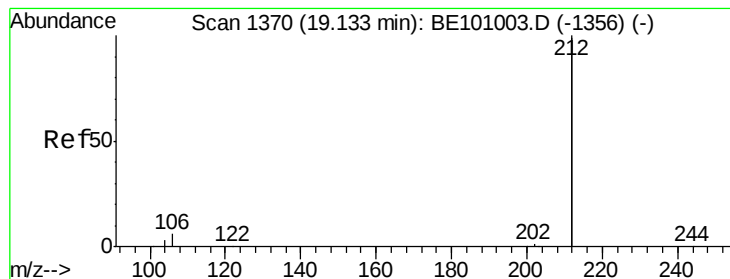


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

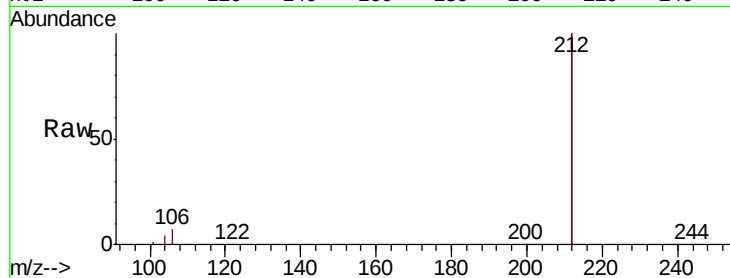
Tot Ion:212 Resp: 75689

Ion Ratio Lower Upper

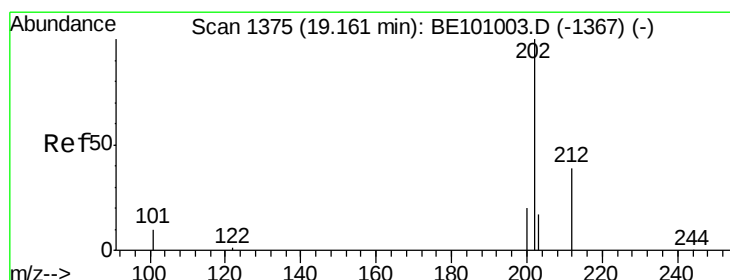
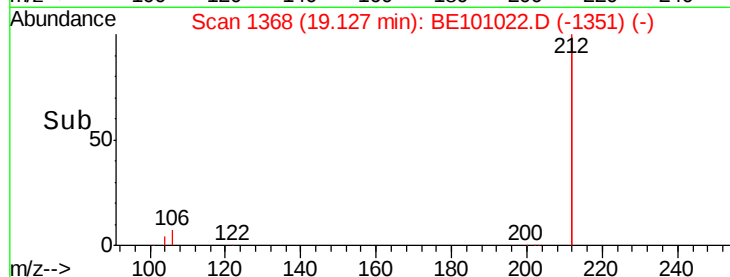
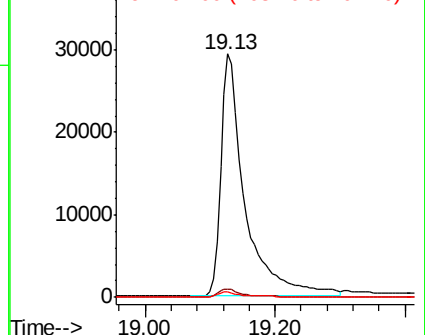
212 100

106 3.3 2.6 3.8

104 2.0 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: 0.073 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

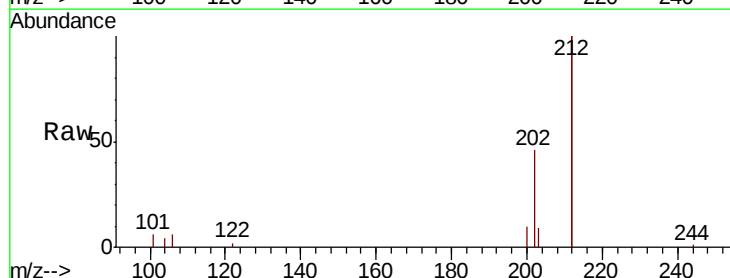
Tgt Ion:202 Resp: 4957

Ion Ratio Lower Upper

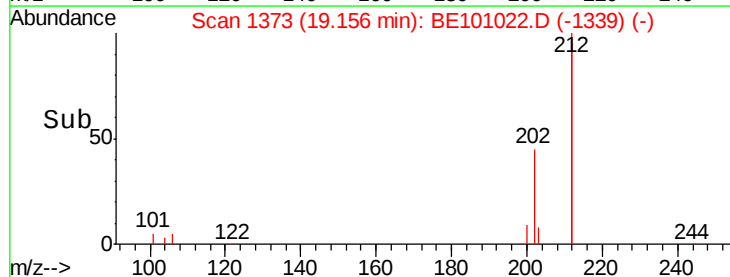
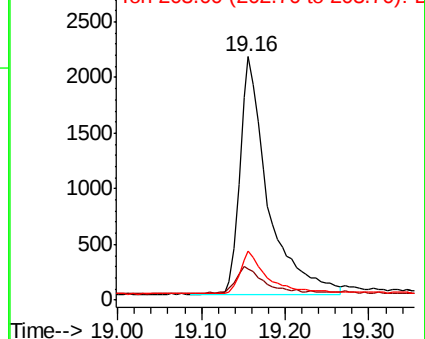
202 100

101 12.2 9.6 14.4

203 17.8 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: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

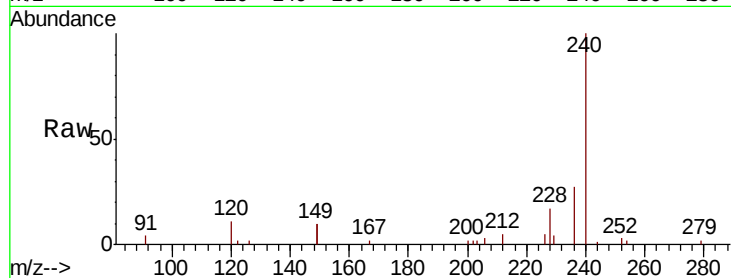
Tot Ion:240 Resp: 13913

Ion Ratio Lower Upper

240 100

120 11.0 8.6 13.0

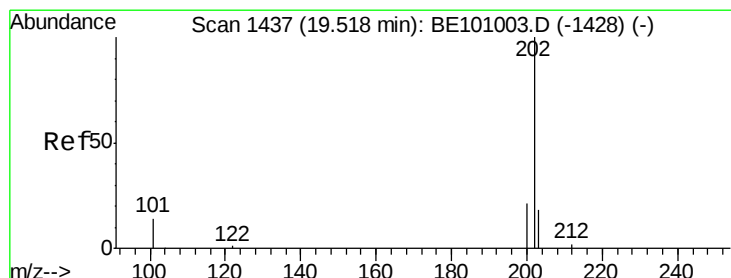
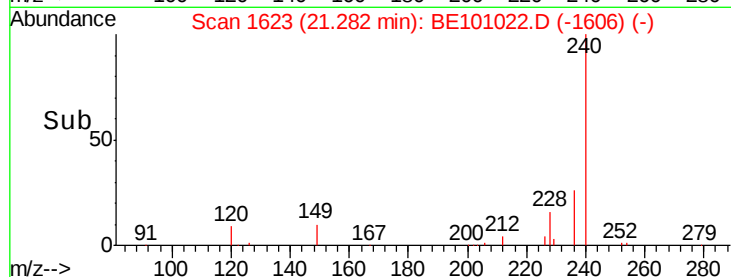
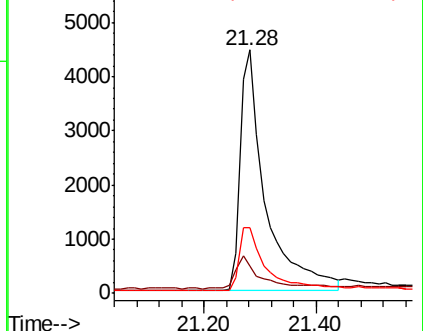
236 27.0 22.2 33.4



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: 0.097 ng

RT: 19.52 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

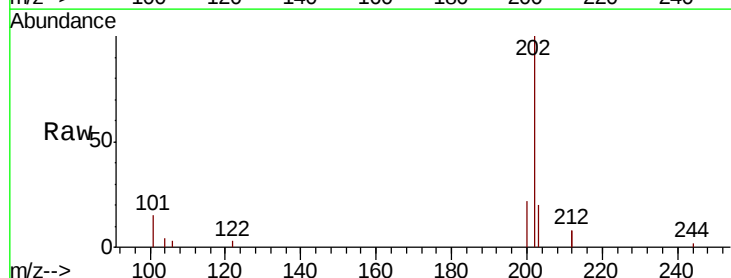
Tgt Ion:202 Resp: 5031

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

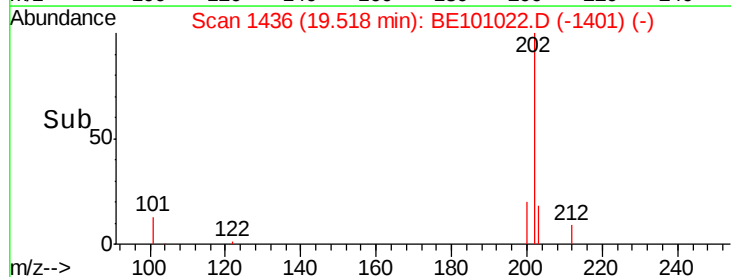
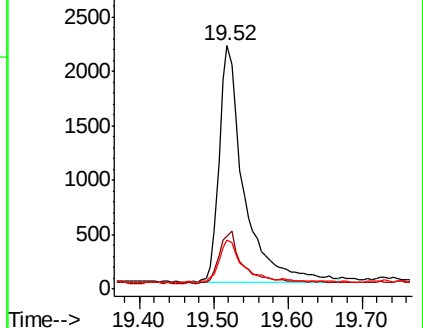
203 16.6 13.8 20.6



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: 0.445 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

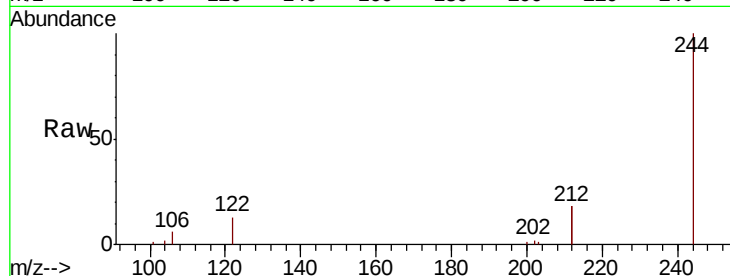
Tot Ion:244 Resp: 15218

Ion Ratio Lower Upper

244 100

212 36.7 27.2 40.8

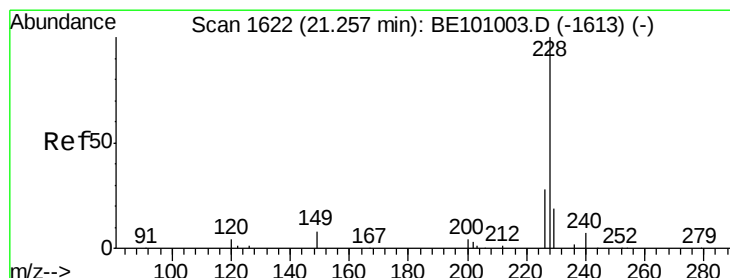
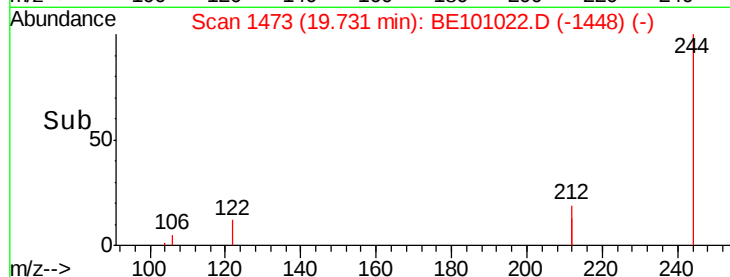
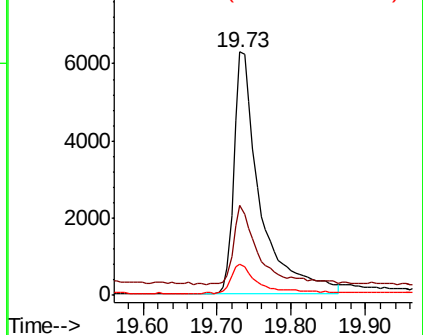
122 12.8 9.8 14.8



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: 0.063 ng

RT: 21.26 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

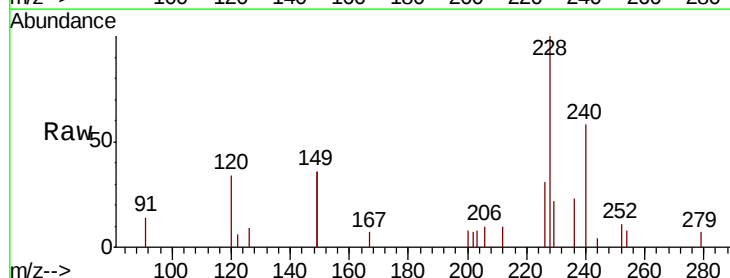
Tgt Ion:228 Resp: 2496

Ion Ratio Lower Upper

228 100

226 31.5 22.7 34.1

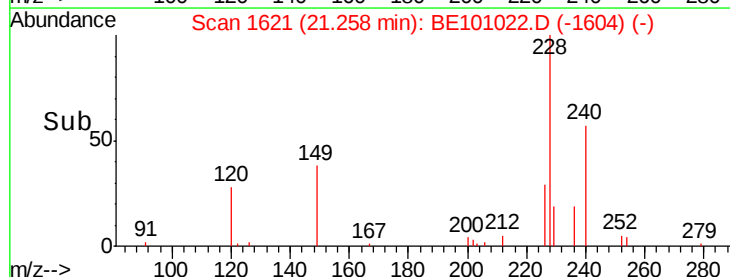
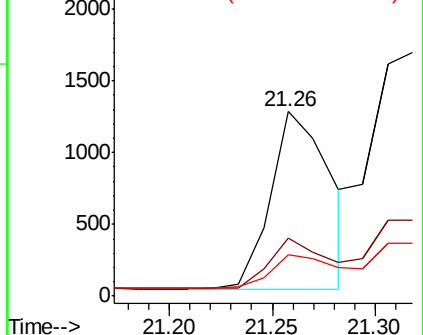
229 22.2 15.5 23.3



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

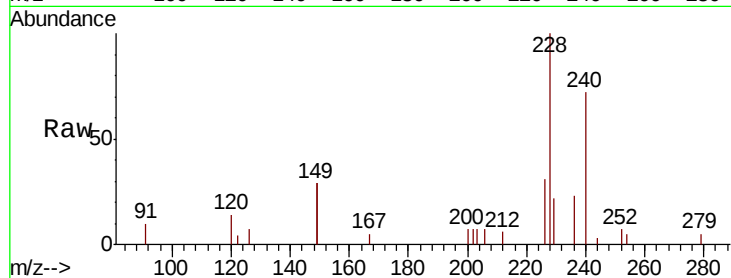




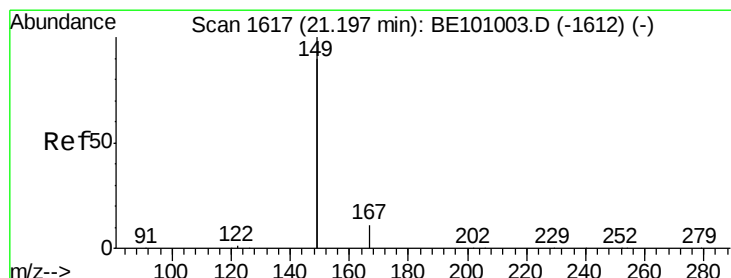
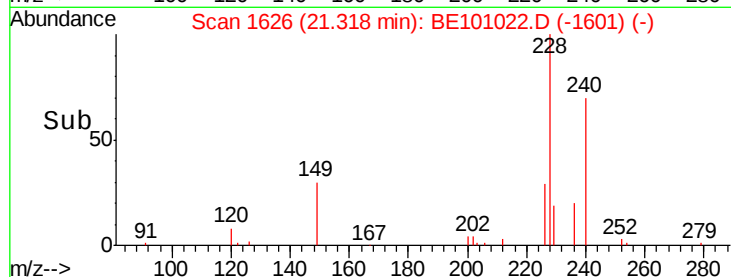
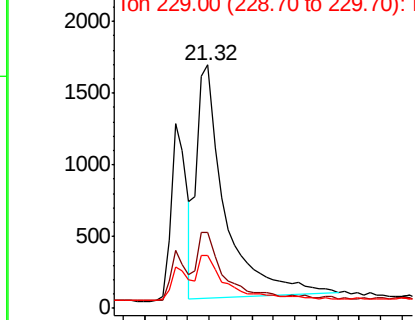
#31
Chrysene
Concen: 0.100 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:228 Resp: 5886
Ion Ratio Lower Upper
228 100
226 31.0 23.5 35.3
229 21.6 16.7 25.1

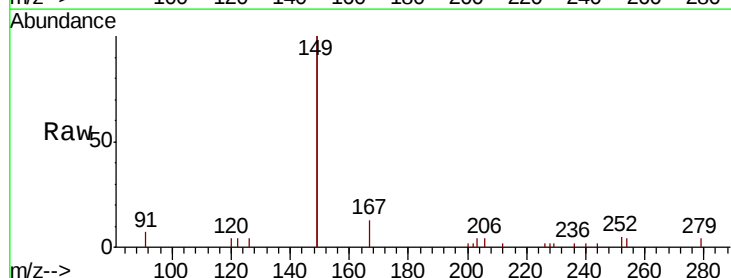


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

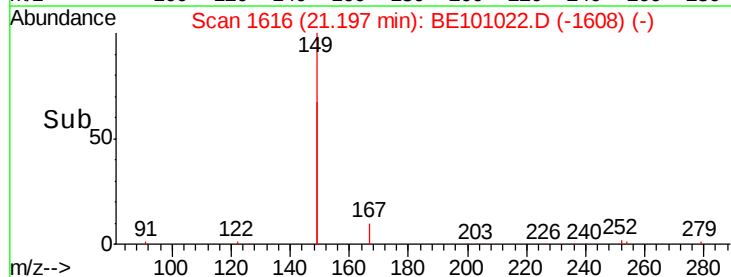
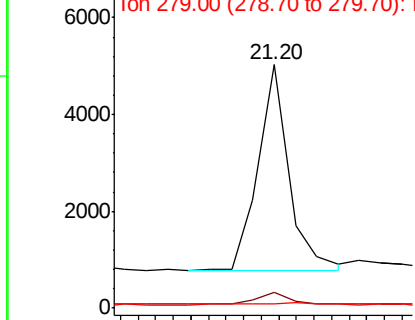


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.077 ng
RT: 21.20 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:149 Resp: 5116
Ion Ratio Lower Upper
149 100
167 6.6 5.2 7.8
279 1.5 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

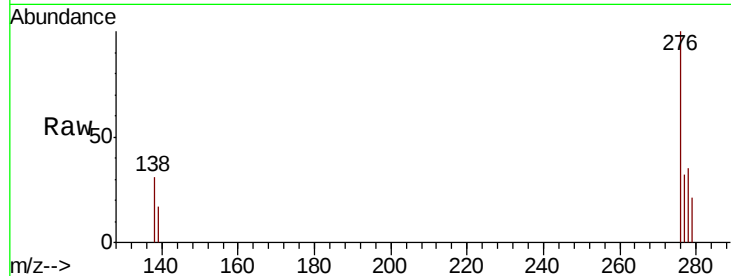




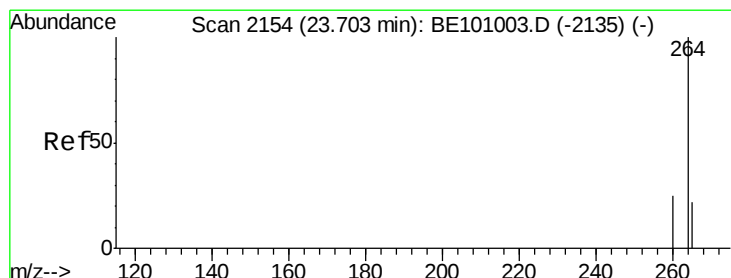
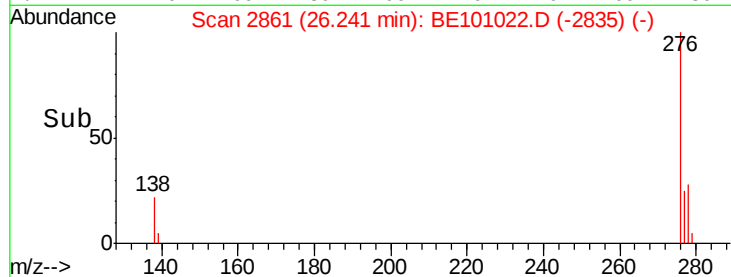
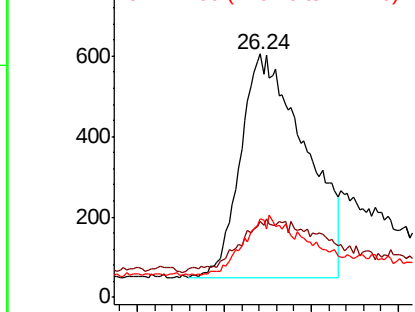
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.062 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:276 Resp: 2874
Ion Ratio Lower Upper
276 100
138 9.7 16.1 24.1#
277 9.8 18.1 27.1#

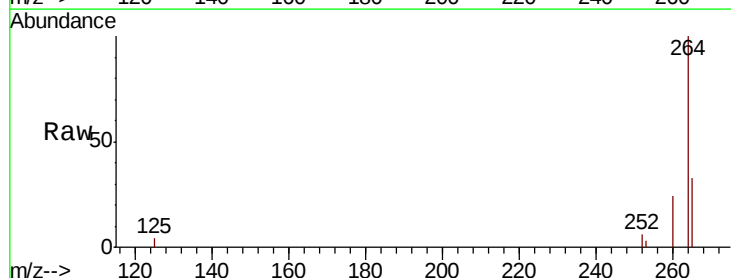


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

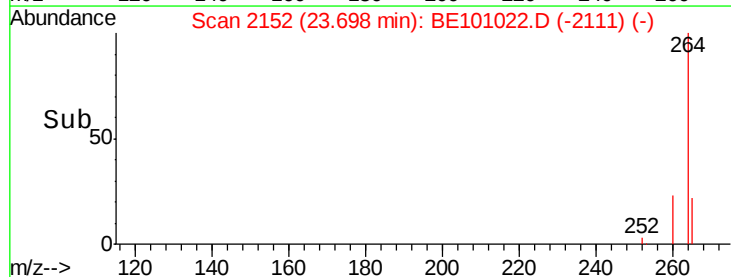
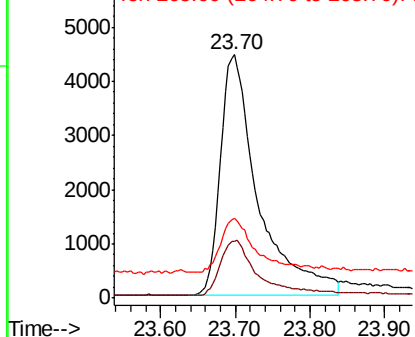


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BE101022.D
Acq: 10 Jan 2020 13:29

Tgt Ion:264 Resp: 15554
Ion Ratio Lower Upper
264 100
260 23.5 20.3 30.5
265 32.7 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: 0.065 ng

RT: 22.96 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

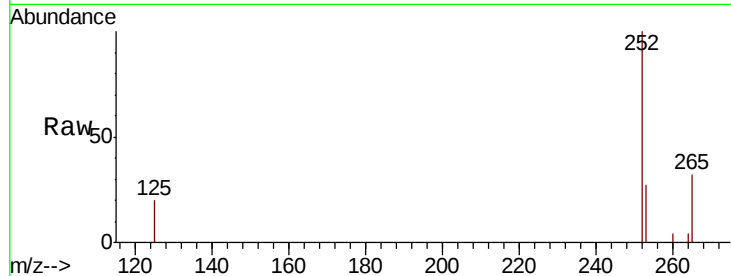
Tot Ion:252 Resp: 2827

Ion Ratio Lower Upper

252 100

253 27.5 18.5 27.7

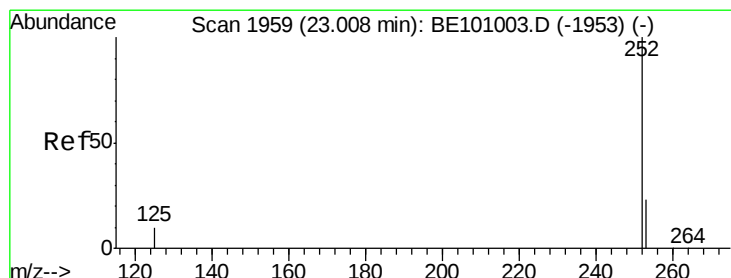
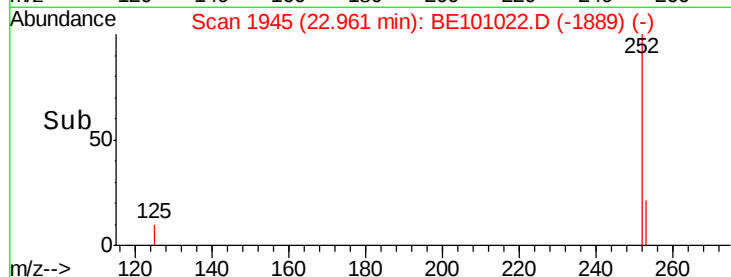
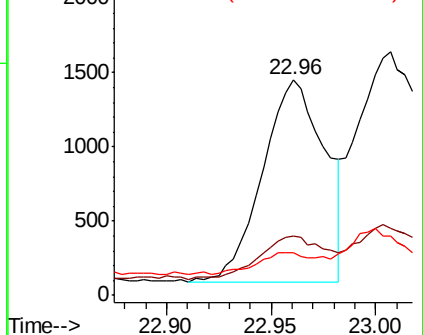
125 19.6 9.5 14.3#



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: 0.089 ng m

RT: 23.01 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

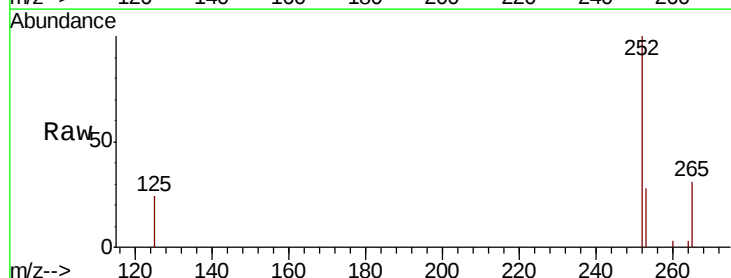
Tgt Ion:252 Resp: 5600

Ion Ratio Lower Upper

252 100

253 27.7 18.9 28.3

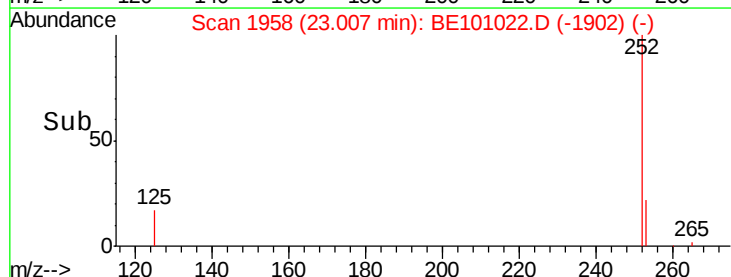
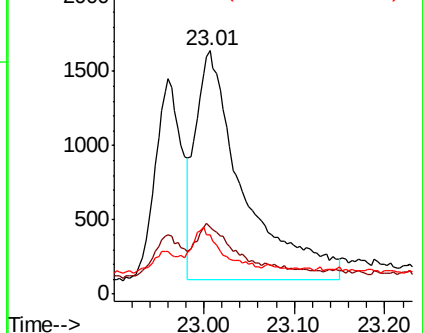
125 24.4 10.1 15.1#



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: 0.067 ng

RT: 23.59 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

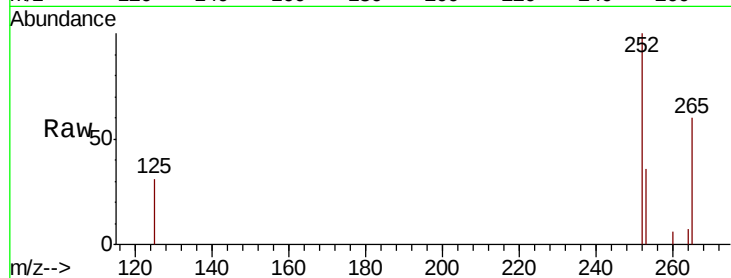
Tot Ion:252 Resp: 2828

Ion Ratio Lower Upper

252 100

253 36.1 19.4 29.2#

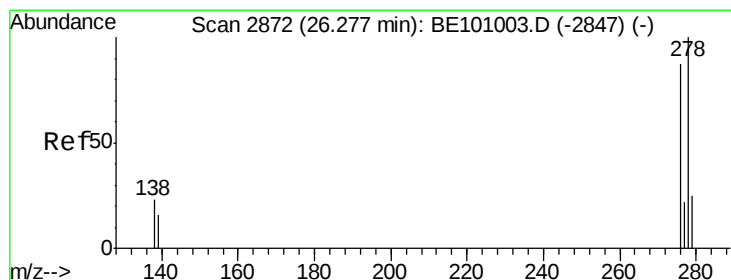
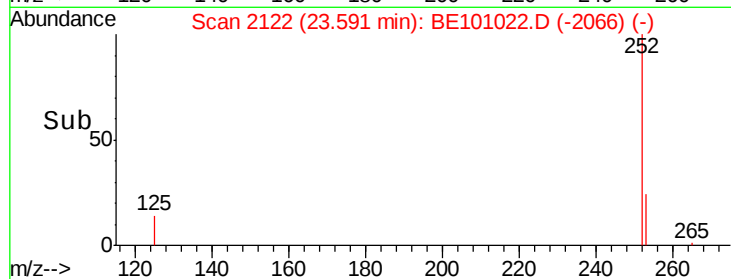
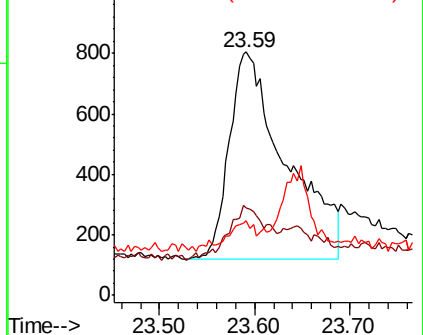
125 30.9 11.8 17.6#



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: 0.075 ng m

RT: 26.28 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BE101022.D

Acq: 10 Jan 2020 13:29

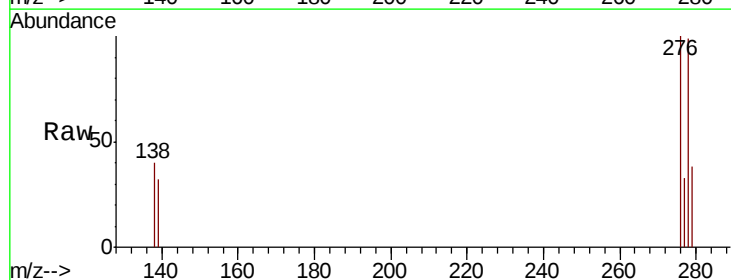
Tgt Ion:278 Resp: 2926

Ion Ratio Lower Upper

278 100

139 32.1 15.0 22.4#

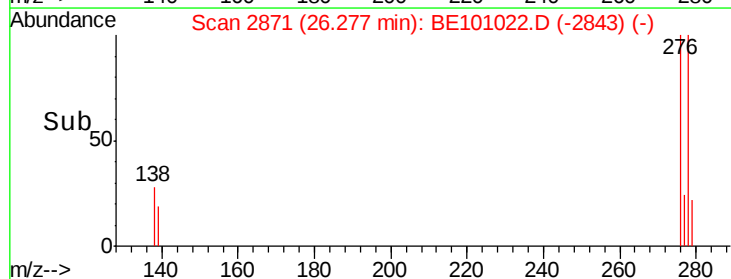
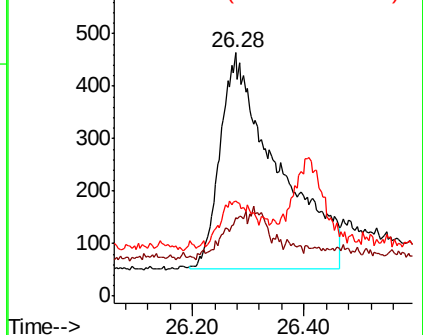
279 39.0 22.6 33.8#



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: 0.079 ng m

RT: 27.02 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BE101022.D

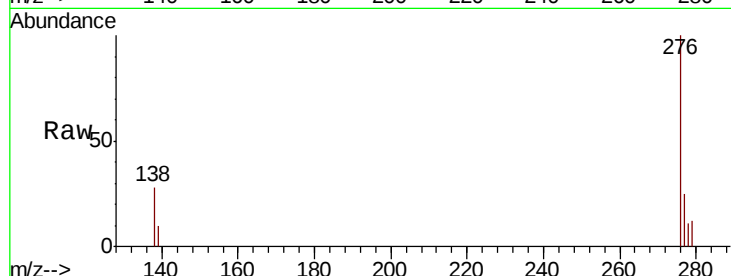
Acq: 10 Jan 2020 13:29

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019



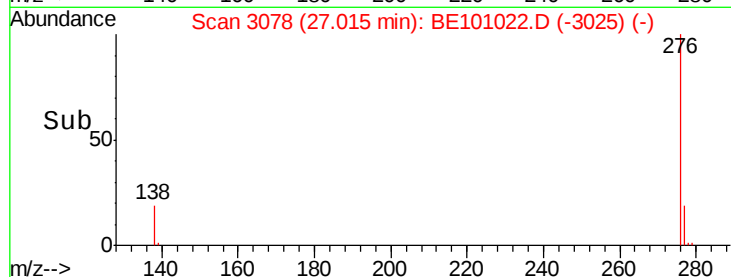
Tot Ion: 276 Resp: 3792

Ion Ratio Lower Upper

276 100

277 25.4 19.4 29.2

138 27.6 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

