

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 00:53:13 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

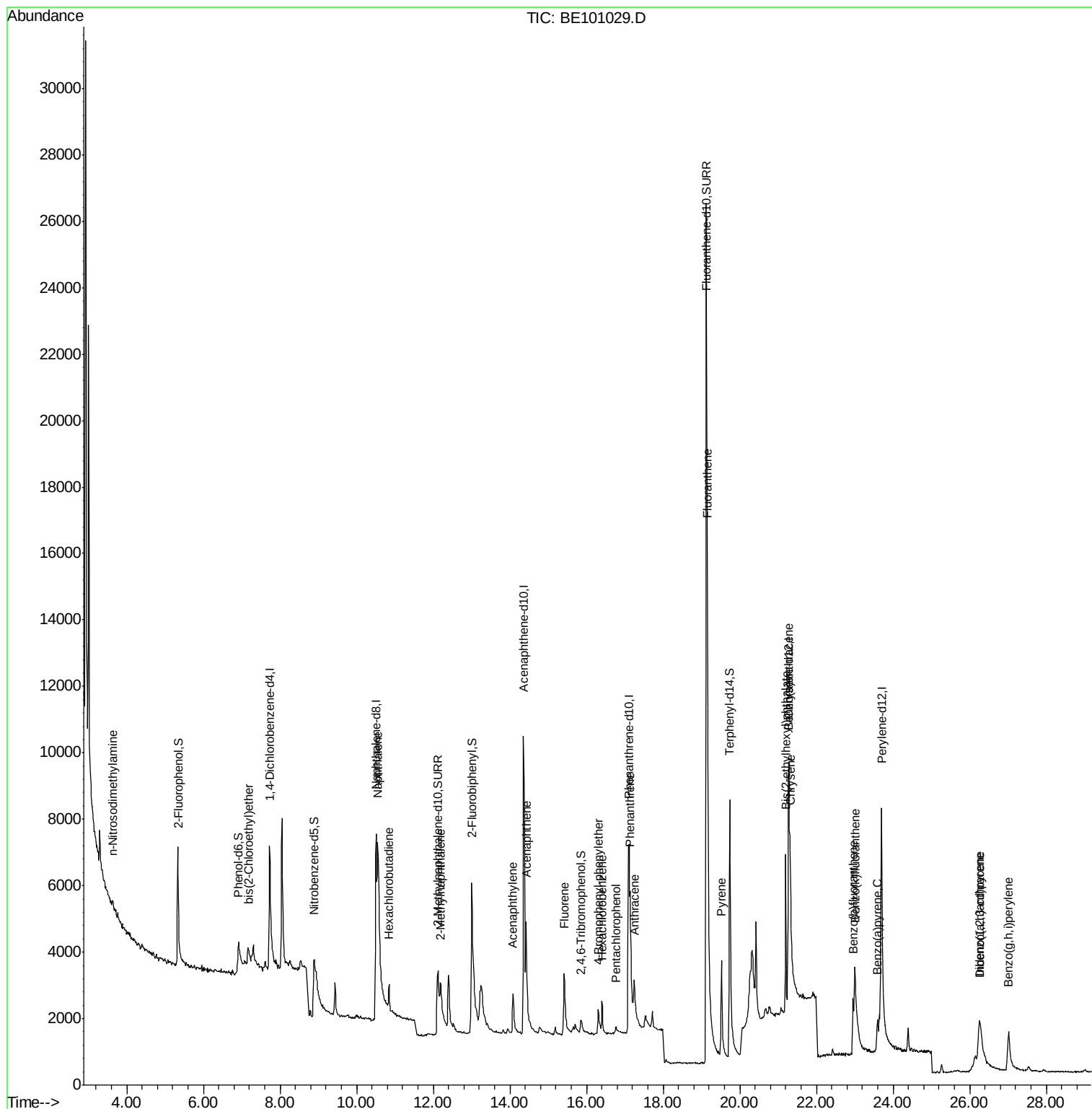
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.63	42	135	0.031	ng	# 27
6) bis(2-Chloroethyl)ether	7.17	93	578	0.054	ng	85
9) Naphthalene	10.55	128	13482	0.091	ng	# 96
10) Hexachlorobutadiene	10.85	225	581	0.093	ng	95
12) 2-Methylnaphthalene	12.19	142	1941	0.087	ng	96
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

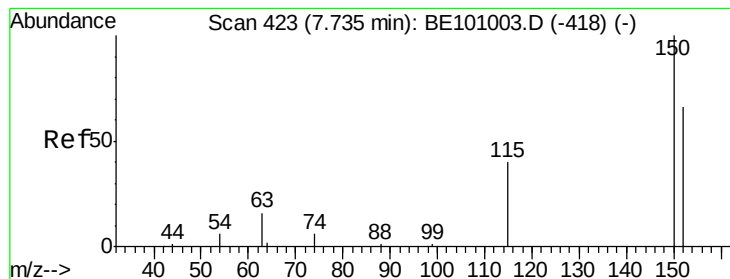
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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ClientSampleId :

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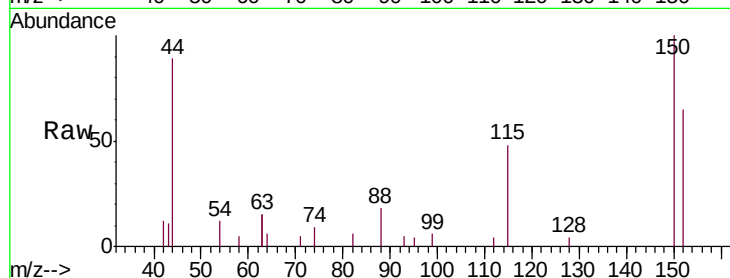
Tgt Ion:152 Resp: 3154

Ion Ratio Lower Upper

152 100

150 152.9 120.3 180.5

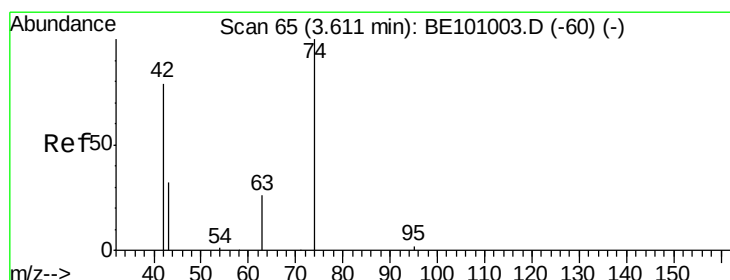
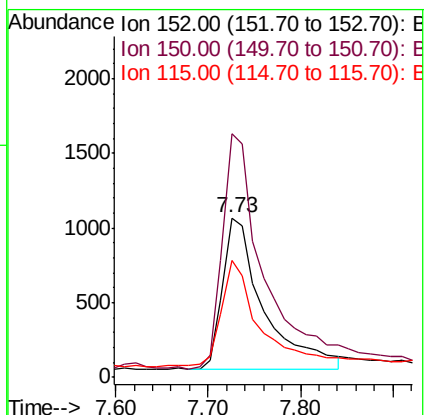
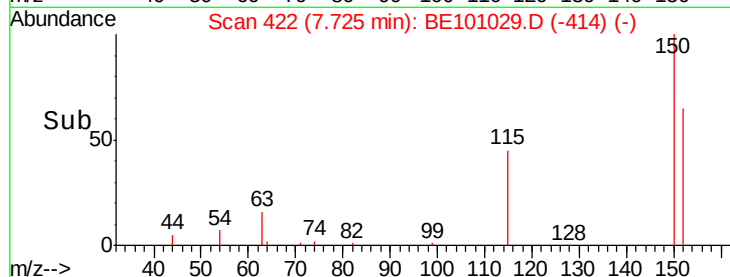
115 73.2 51.7 77.5



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



#3

n-Nitrosodimethylamine

Concen: 0.031 ng

RT: 3.63 min Scan# 66

Delta R.T. 0.01 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

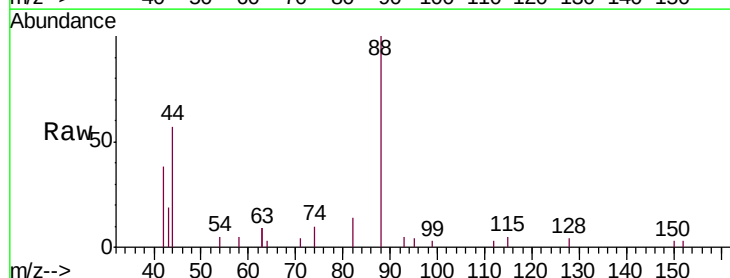
Tgt Ion: 42 Resp: 135

Ion Ratio Lower Upper

42 100

74 222.2 105.7 158.5#

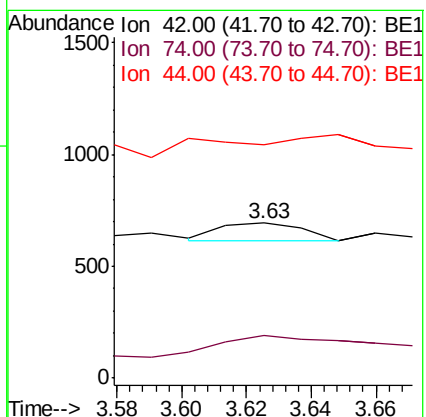
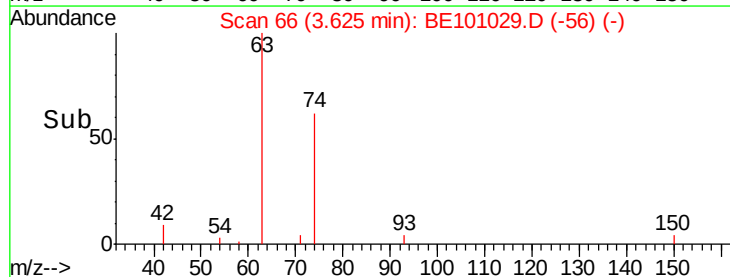
44 0.0 10.0 15.0#

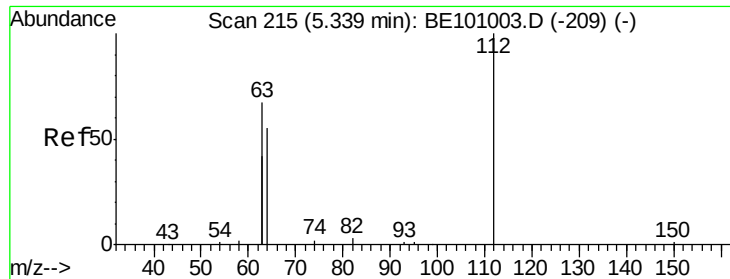


Abundance Ion 42.00 (41.70 to 42.70): BE1

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

Instrument :

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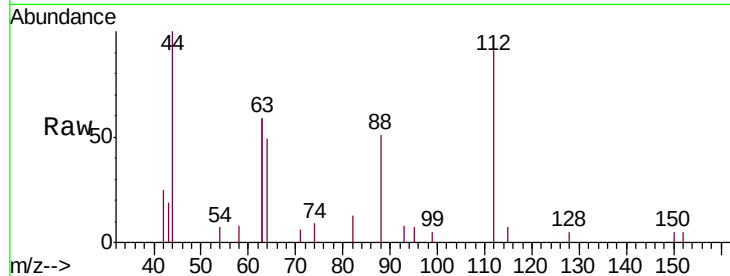
Tgt Ion: 112 Resp: 2387

Ion Ratio Lower Upper

112 100

64 69.6 53.6 80.4

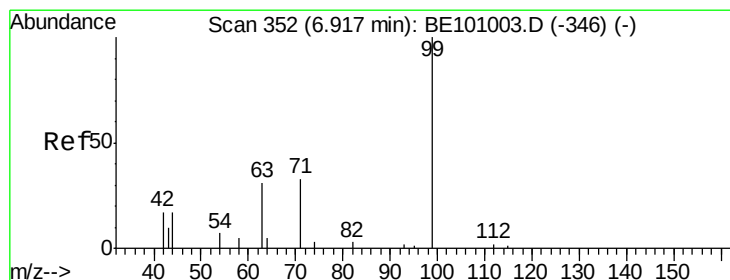
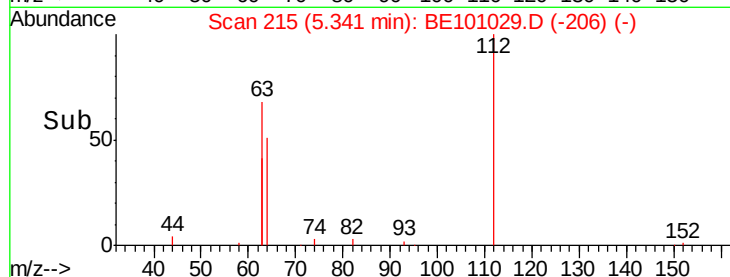
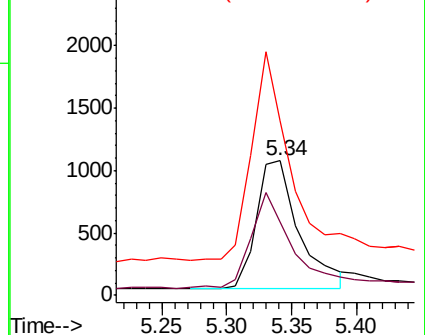
63 140.8 114.6 172.0



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

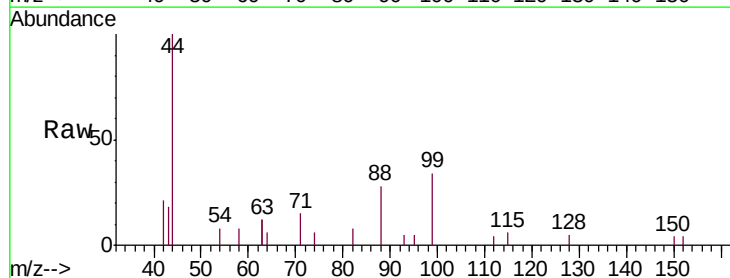
Tgt Ion: 99 Resp: 2329

Ion Ratio Lower Upper

99 100

42 20.0 18.3 27.5

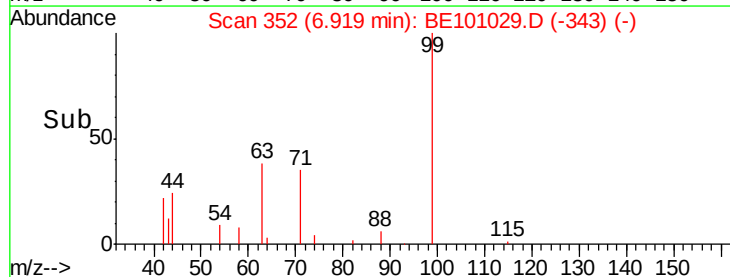
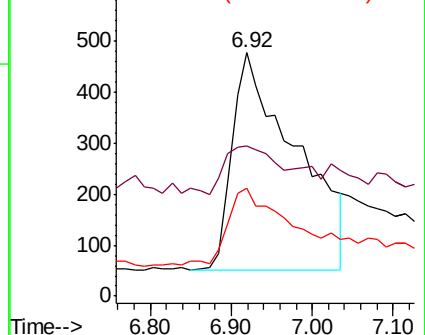
71 32.9 28.0 42.0

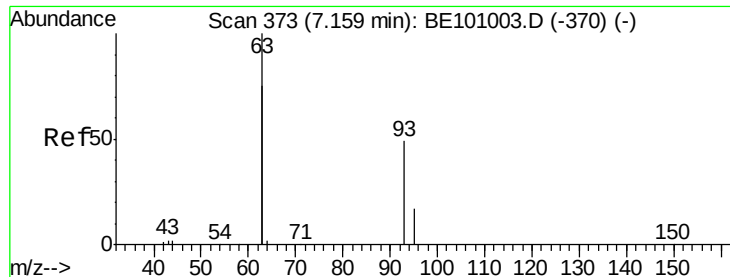


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#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

Instrument :

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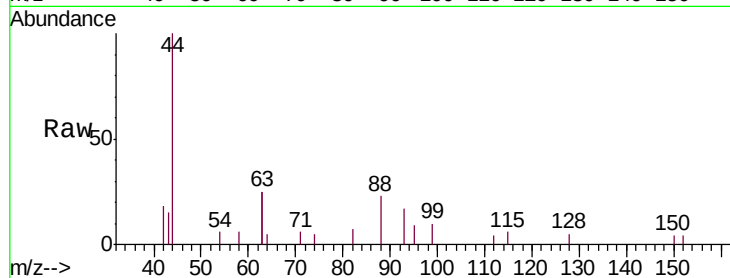
Tgt Ion: 93 Resp: 578

Ion Ratio Lower Upper

93 100

63 261.4 233.9 350.9

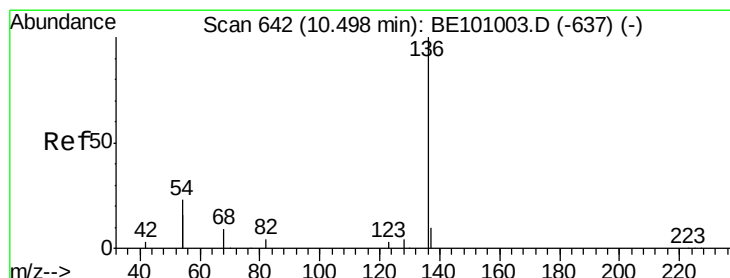
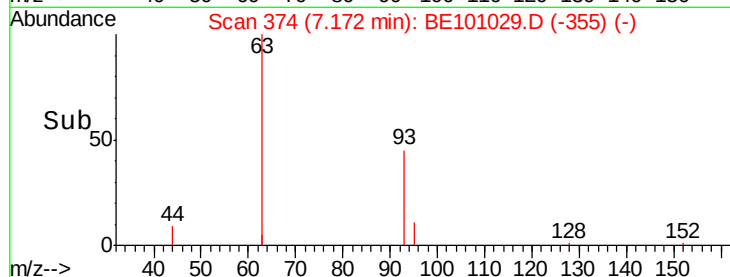
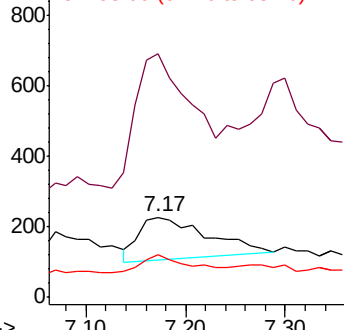
95 29.1 23.5 35.3



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



#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

Tgt Ion: 136 Resp: 13341

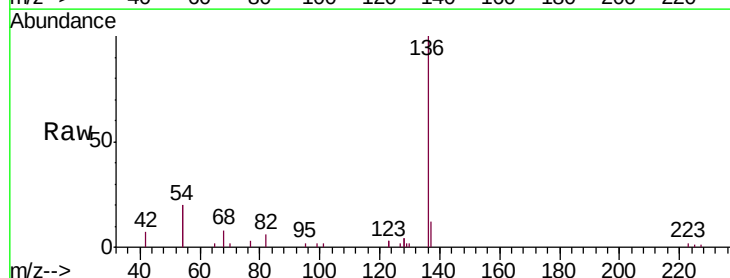
Ion Ratio Lower Upper

136 100

137 12.5 9.3 13.9

54 40.7 36.8 55.2

68 7.8 8.4 12.6#

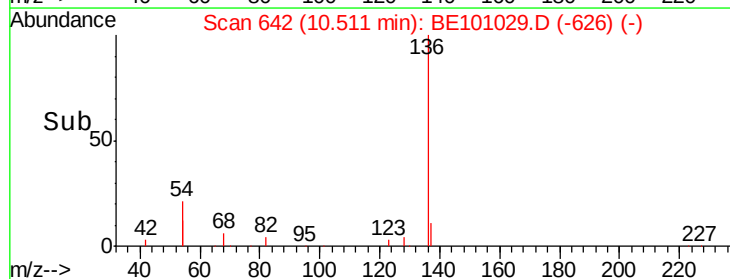
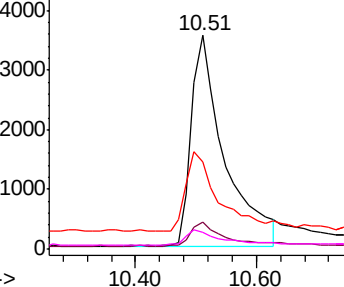


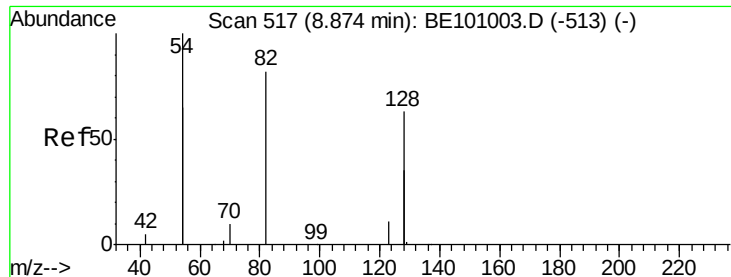
Abundance Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#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

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

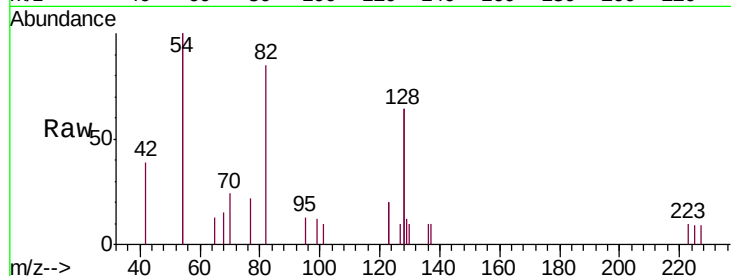
Tgt Ion: 82 Resp: 2425

Ion Ratio Lower Upper

82 100

128 149.5 109.8 164.6

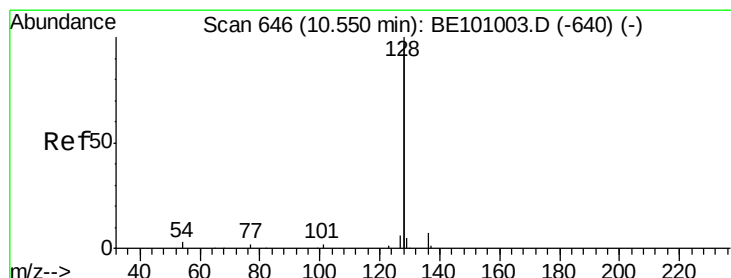
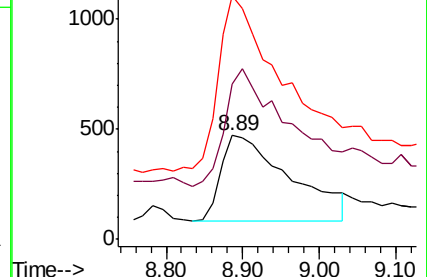
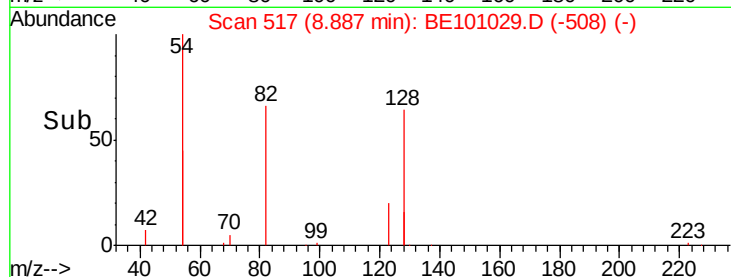
54 234.8 174.5 261.7



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.091 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101029.D

Acq: 10 Jan 2020 18:51

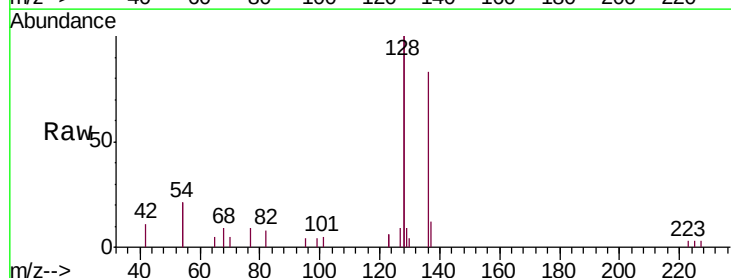
Tgt Ion: 128 Resp: 13482

Ion Ratio Lower Upper

128 100

129 4.3 2.3 3.5#

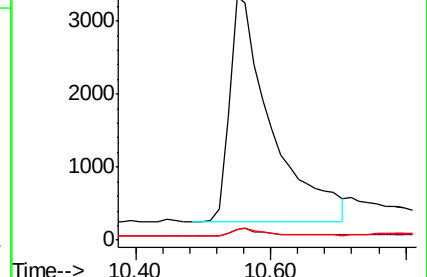
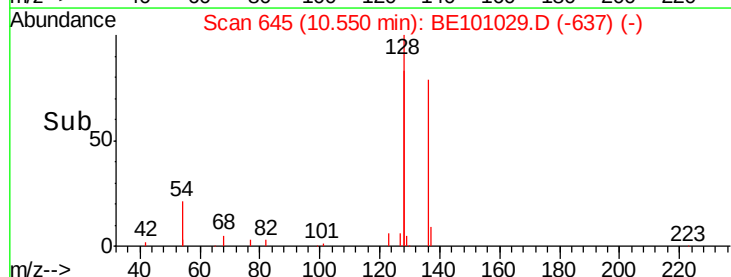
127 4.5 2.7 4.1#

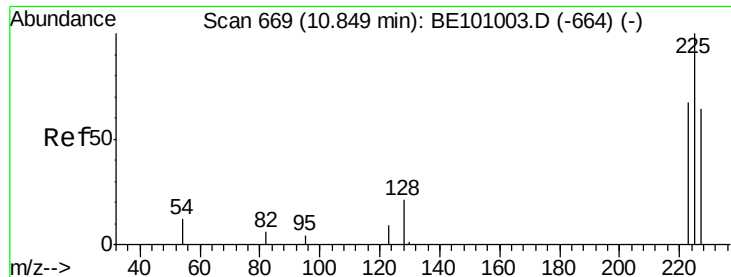


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

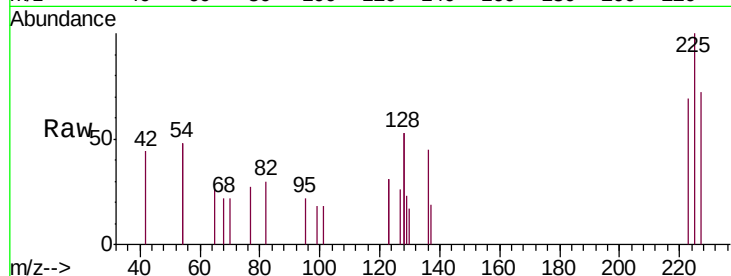




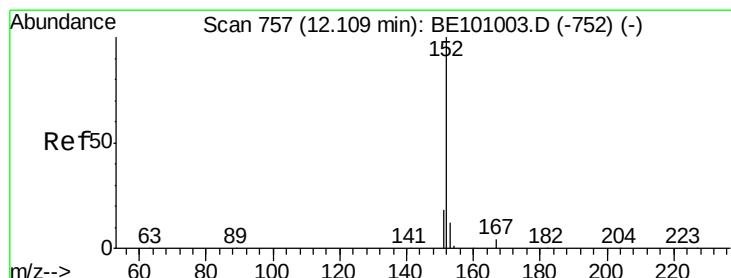
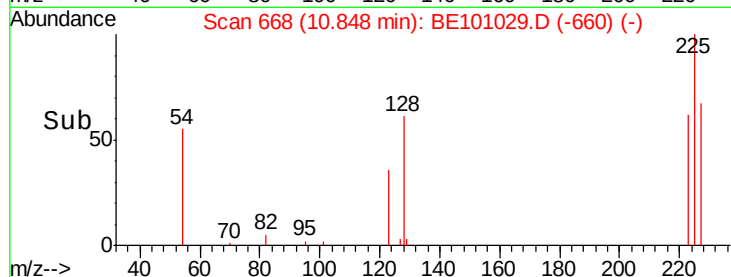
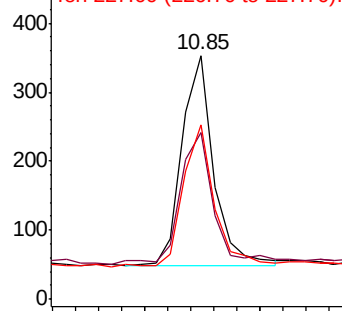
#10
Hexachlorobutadiene
Concen: 0.093 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101029.D
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Tgt Ion: 225 Resp: 581
Ion Ratio Lower Upper
225 100
223 60.1 52.2 78.4
227 64.7 49.9 74.9

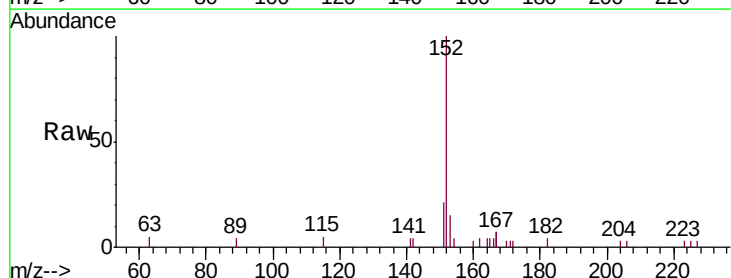


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

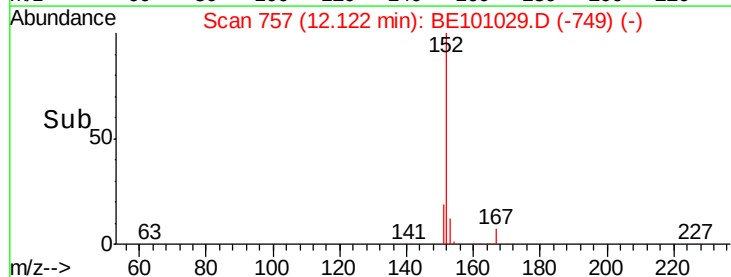
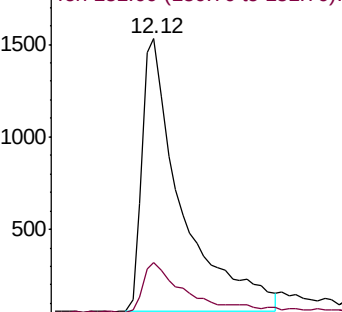


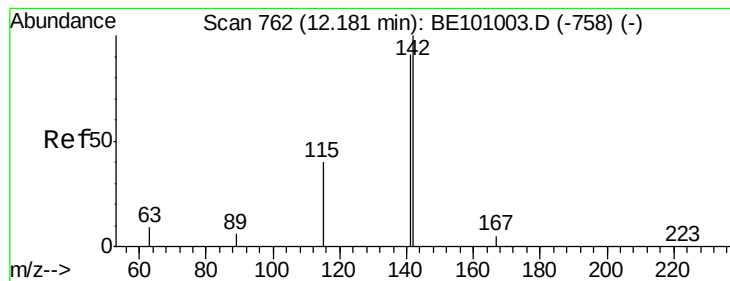
#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.01 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

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



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





#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

Instrument :

BNA_E

ClientSampleId :

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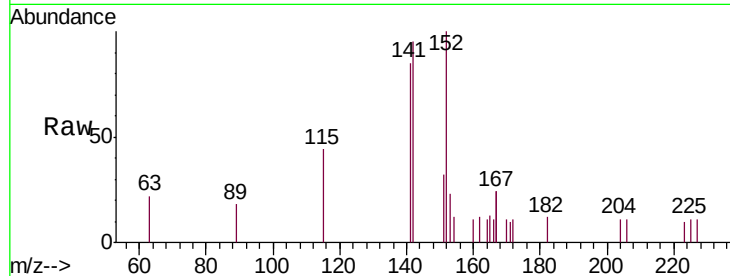
Tgt Ion:142 Resp: 1941

Ion Ratio Lower Upper

142 100

141 88.8 72.5 108.7

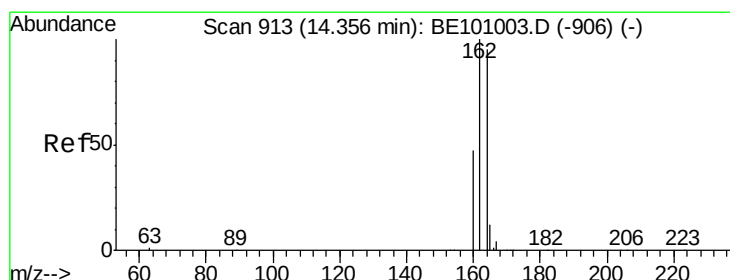
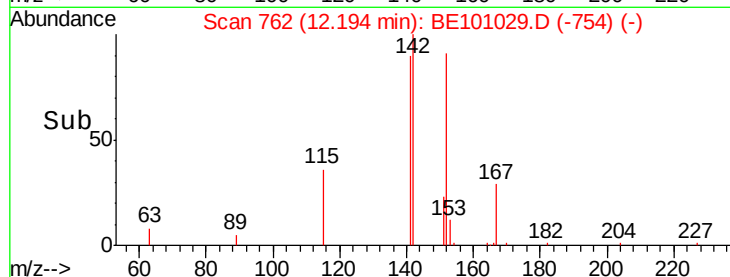
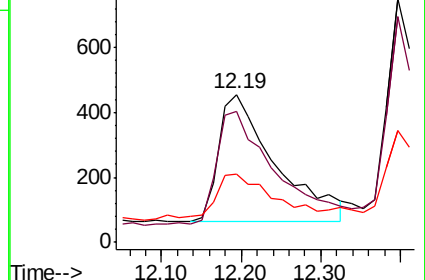
115 46.3 33.0 49.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#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

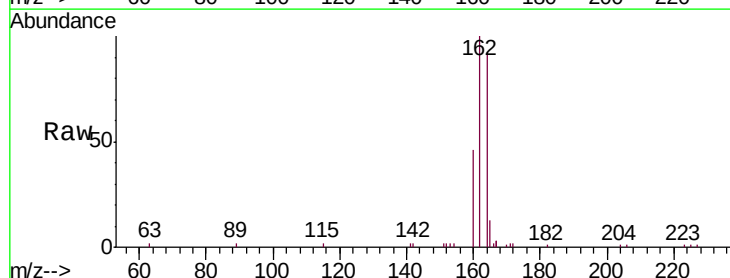
Tgt Ion:164 Resp: 8635

Ion Ratio Lower Upper

164 100

162 108.7 84.1 126.1

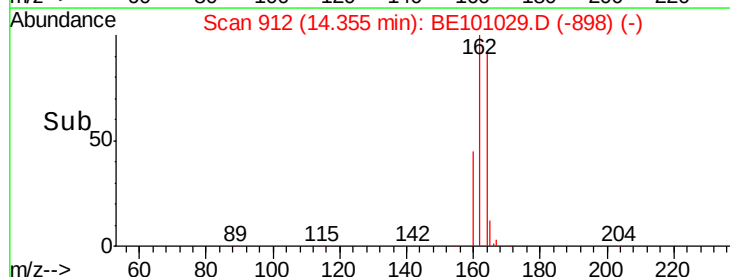
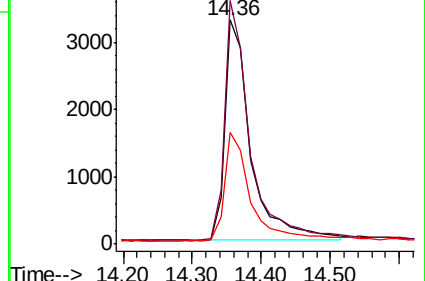
160 49.9 40.4 60.6

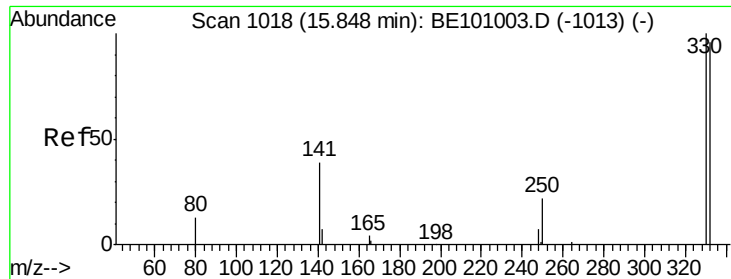


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

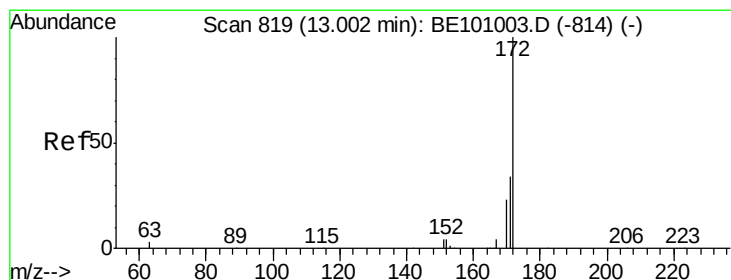
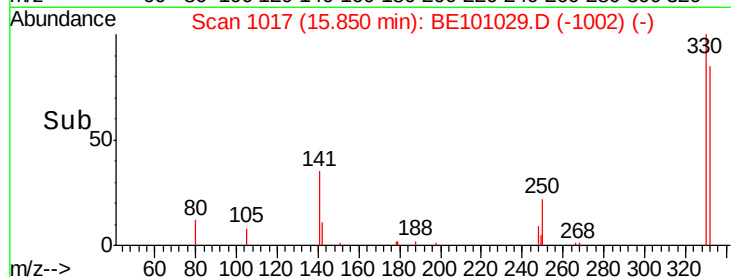
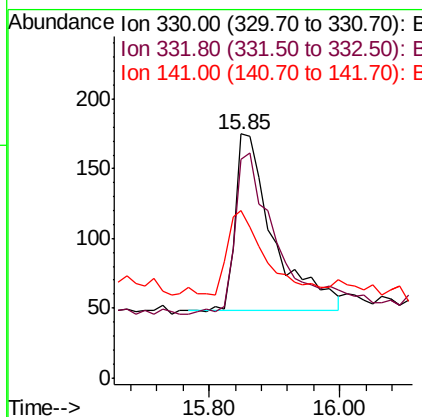
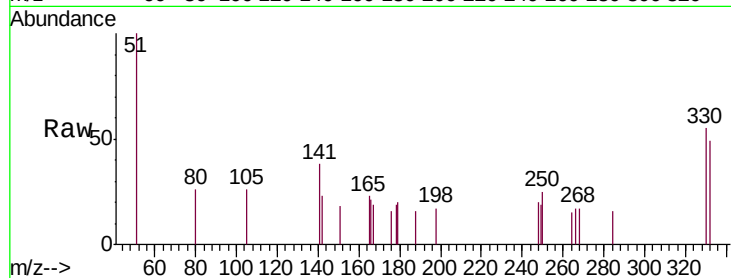




#14
 2,4,6-Tribromophenol
 Concen: 0.212 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

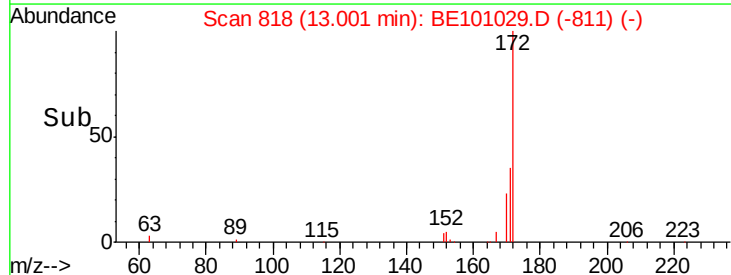
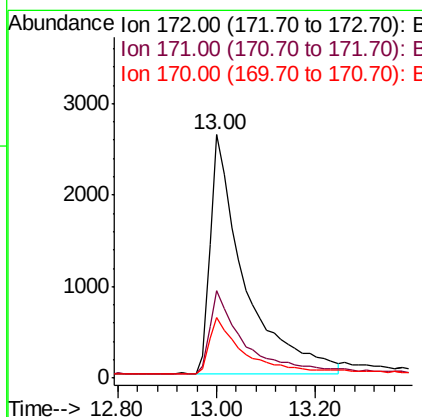
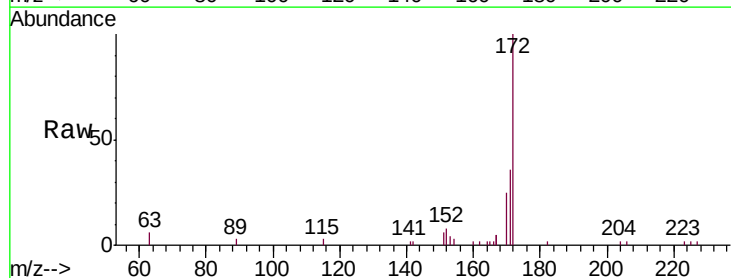
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

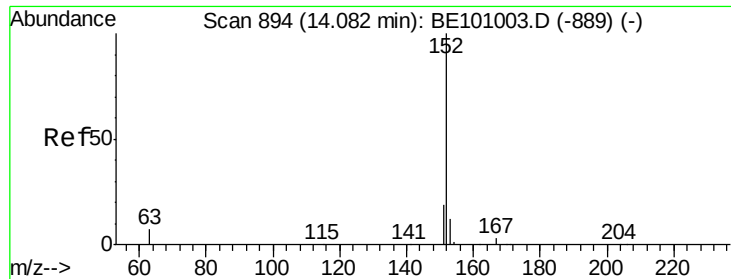
Tgt Ion:330 Resp: 516
 Ion Ratio Lower Upper
 330 100
 332 100.6 78.4 117.6
 141 46.5 37.0 55.4



#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

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

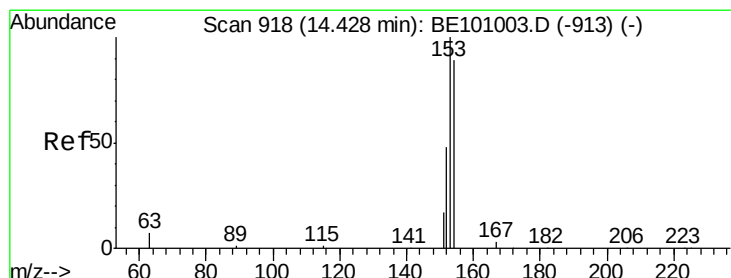
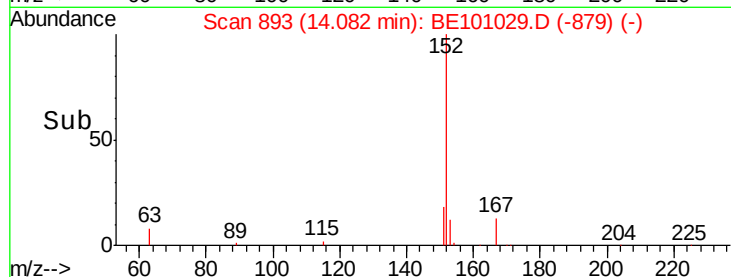
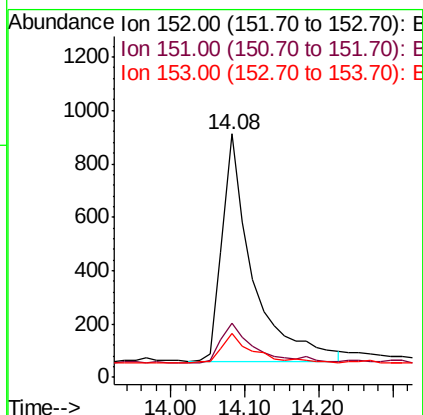
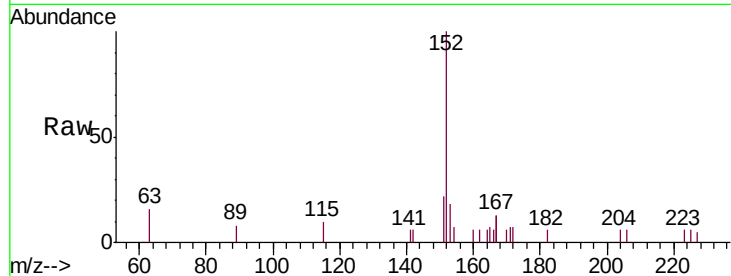




#16
Acenaphthylene
Concen: 0.070 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

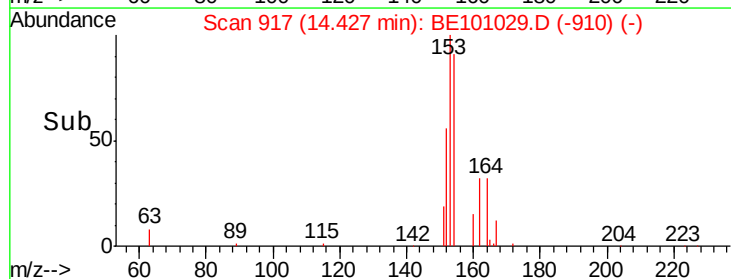
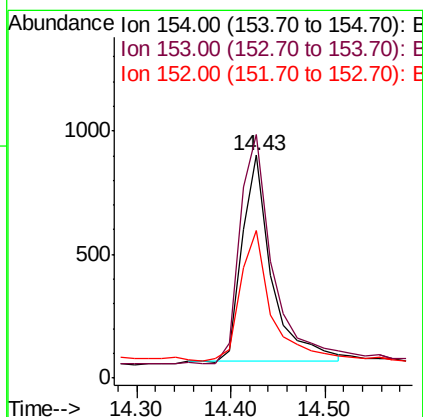
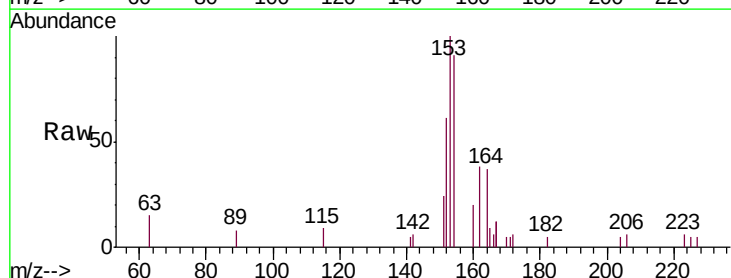
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

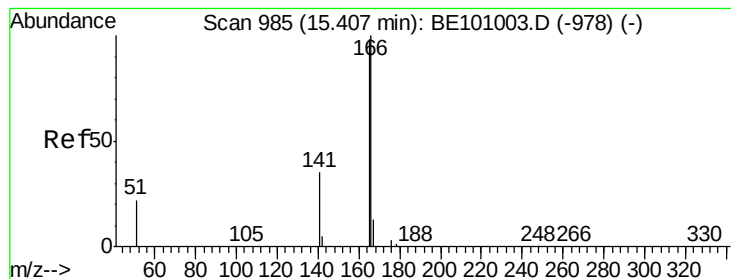
Tgt Ion:152 Resp: 2449
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.4 10.4 15.6



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

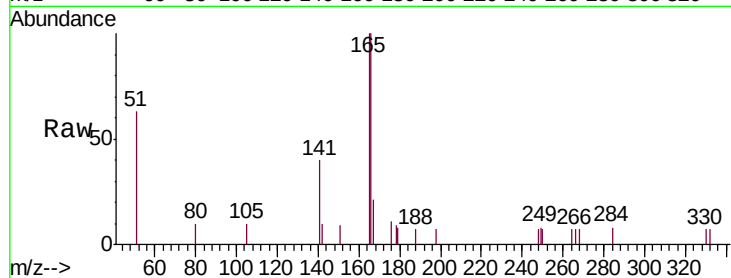
Tgt Ion:166 Resp: 2369

Ion Ratio Lower Upper

166 100

165 101.7 79.8 119.8

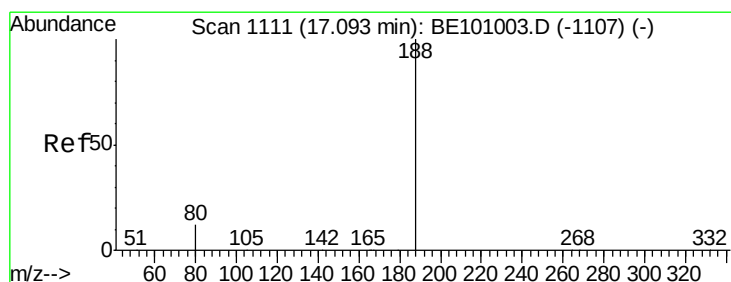
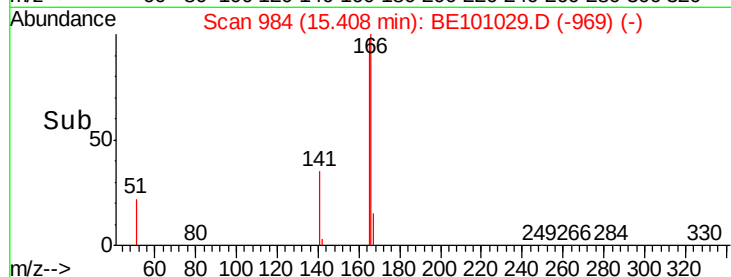
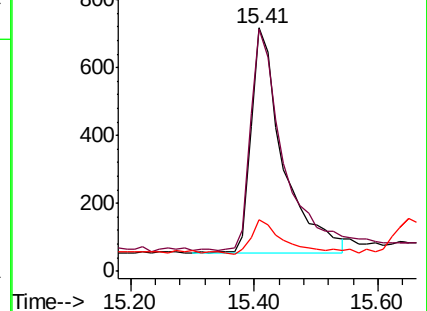
167 14.7 11.0 16.6



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

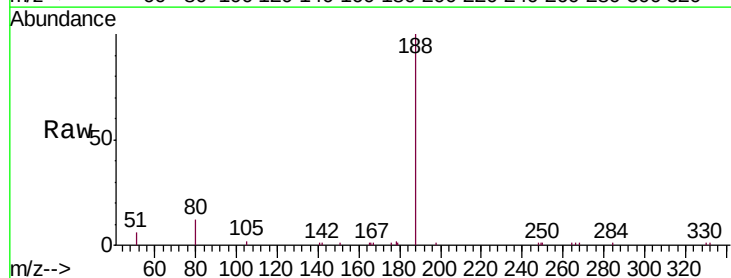
Tgt Ion:188 Resp: 18967

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

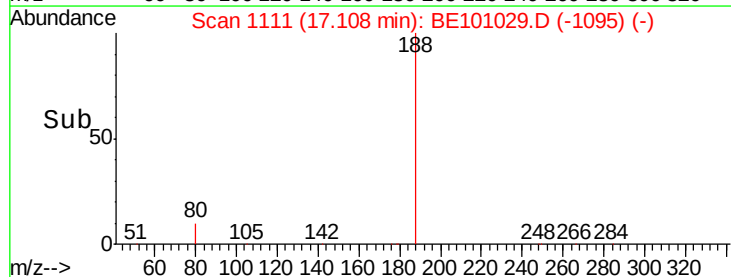
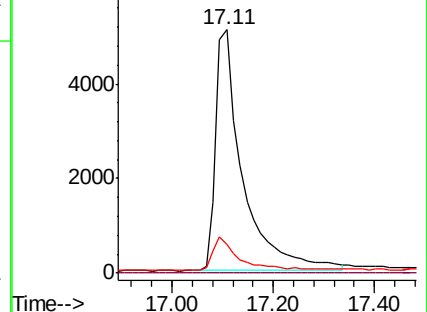
80 11.6 10.8 16.2

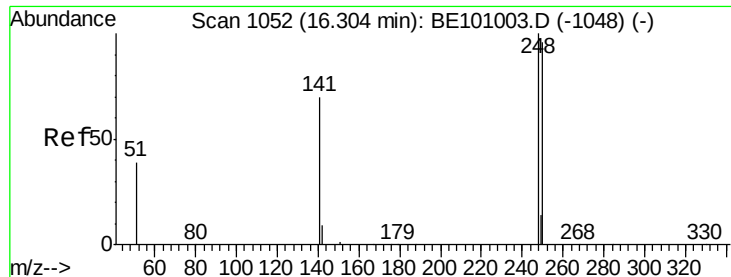


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

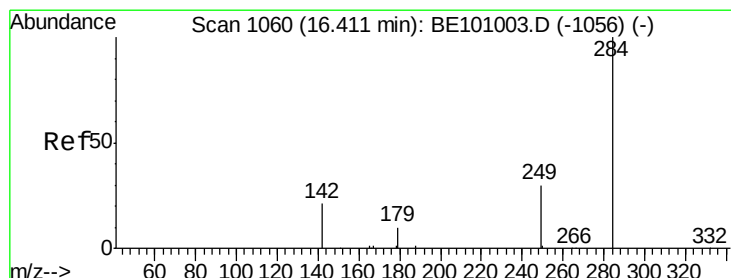
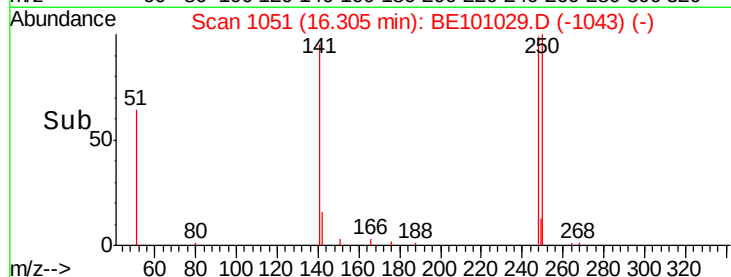
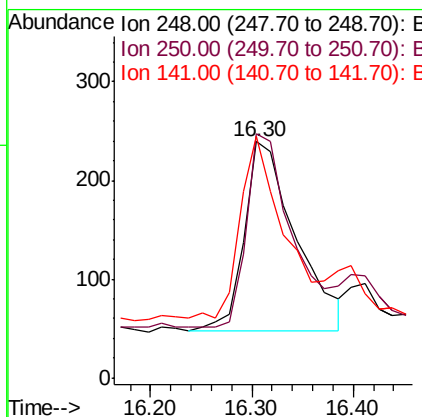
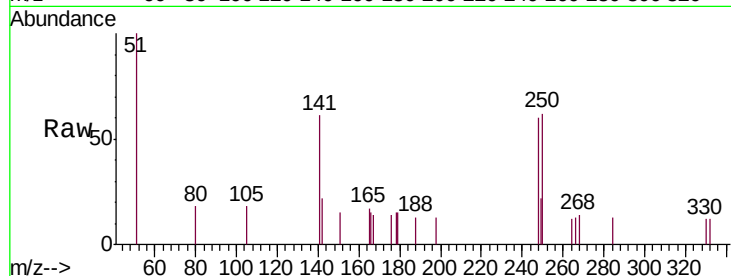




#20
4-Bromophenyl-phenylether
Concen: 0.073 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

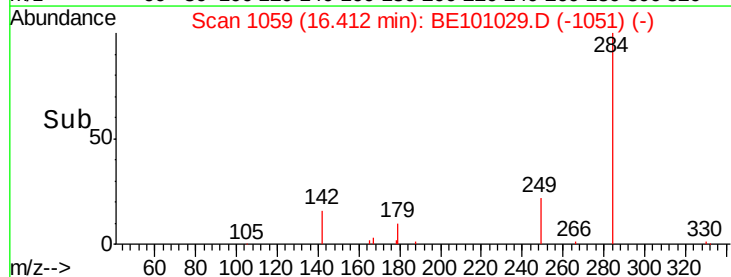
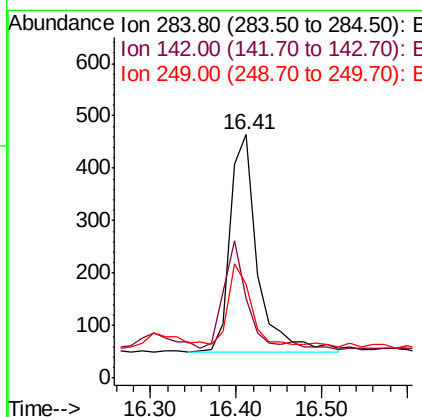
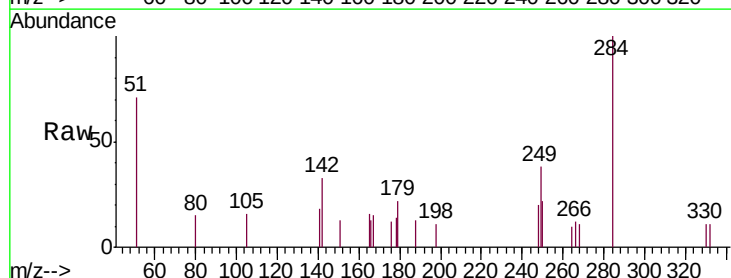
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

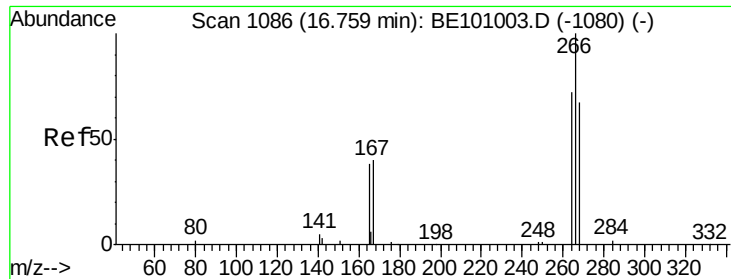
Tgt Ion:248 Resp: 676
Ion Ratio Lower Upper
248 100
250 103.3 76.6 115.0
141 102.5 57.7 86.5#



#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

Tgt Ion:284 Resp: 925
Ion Ratio Lower Upper
284 100
142 43.5 34.0 51.0
249 33.8 28.2 42.4

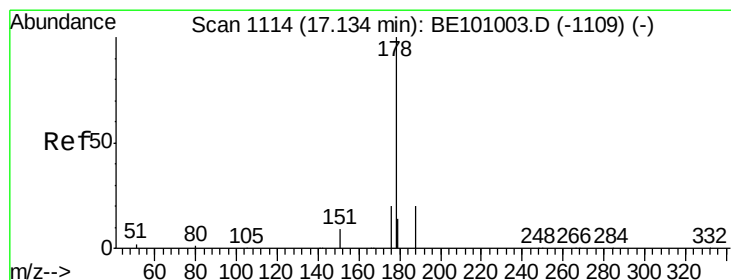
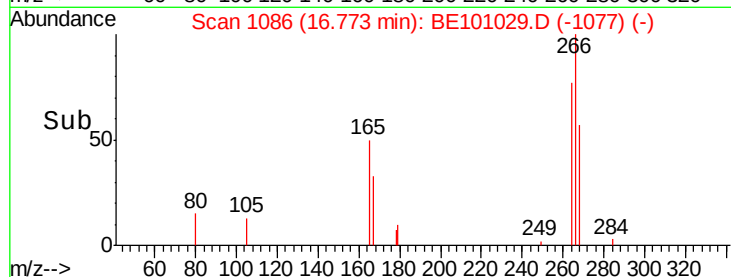
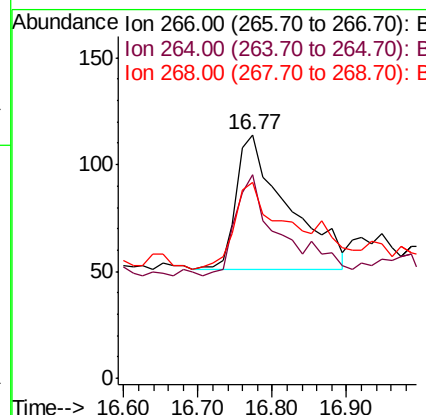
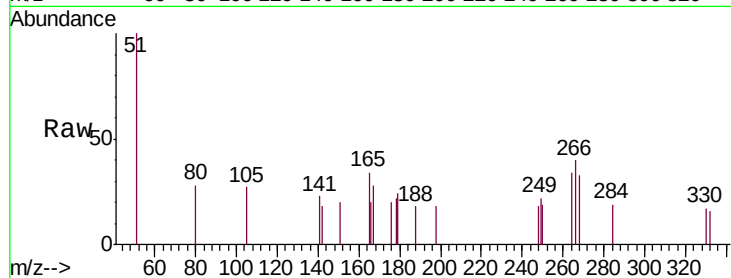




#22
Pentachlorophenol
Concen: 0.335 ng
RT: 16.77 min Scan# 1086
Delta R.T. 0.02 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

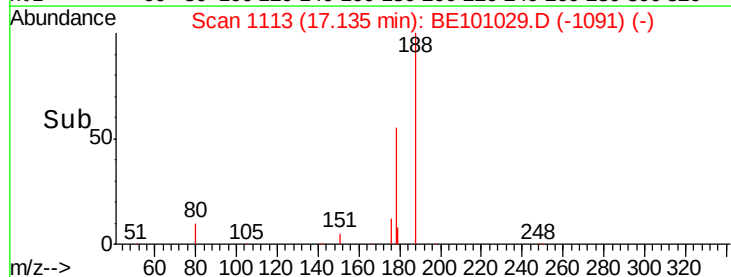
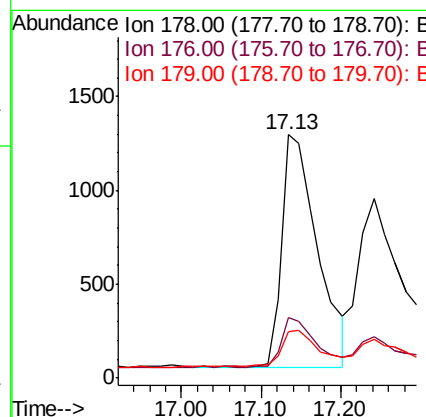
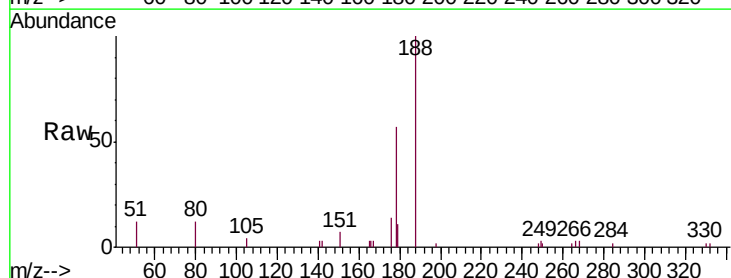
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

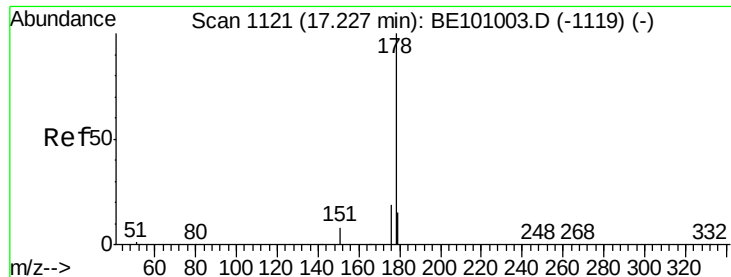
Tgt Ion: 266 Resp: 301
Ion Ratio Lower Upper
266 100
264 83.3 61.0 91.4
268 80.7 58.5 87.7



#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

Tgt Ion: 178 Resp: 3922
Ion Ratio Lower Upper
178 100
176 21.2 15.7 23.5
179 16.0 12.0 18.0

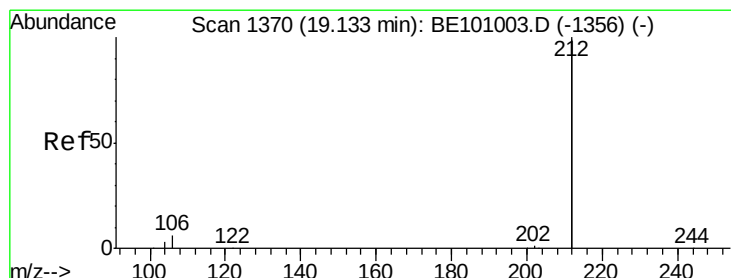
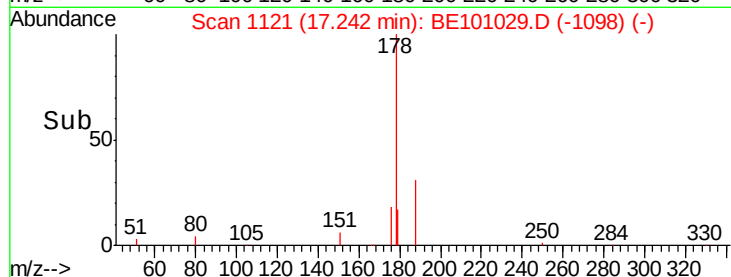
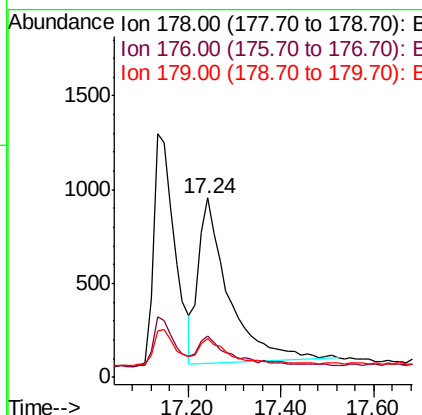
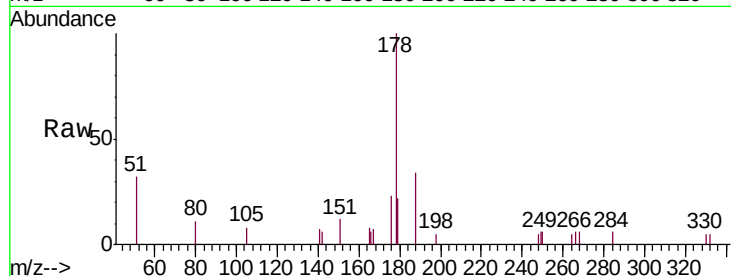




#24
 Anthracene
 Concen: 0.081 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

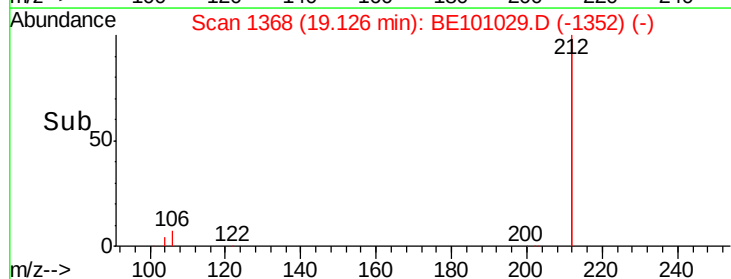
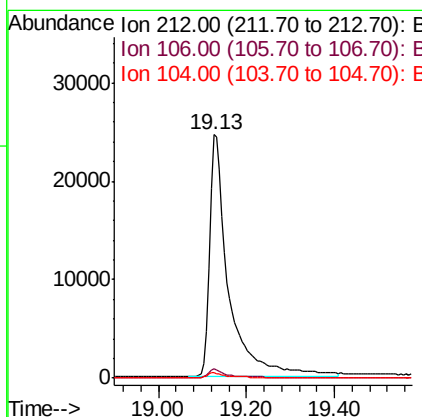
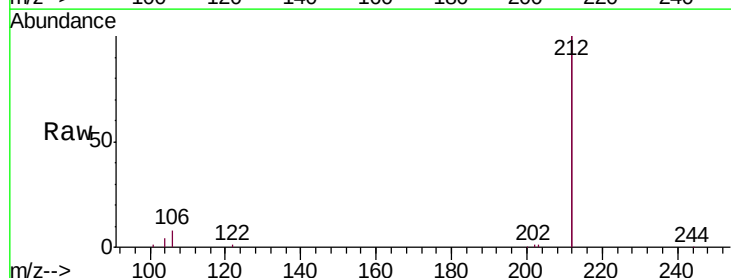
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

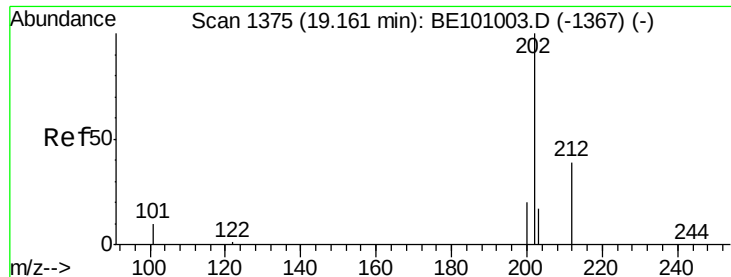
Tgt Ion:178 Resp: 3945
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 12.8 12.4 18.6



#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

Tgt Ion:212 Resp: 72824
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.6 3.8
 104 1.7 1.4 2.0

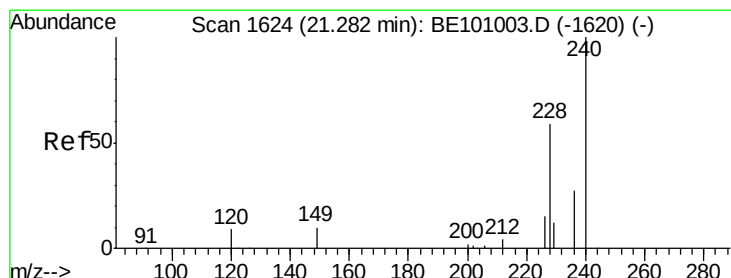
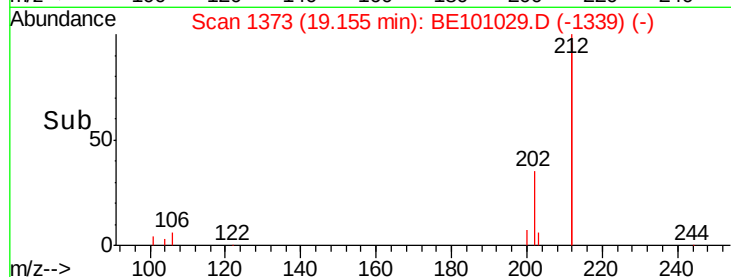
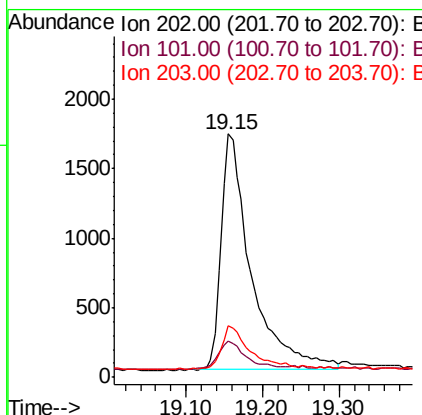
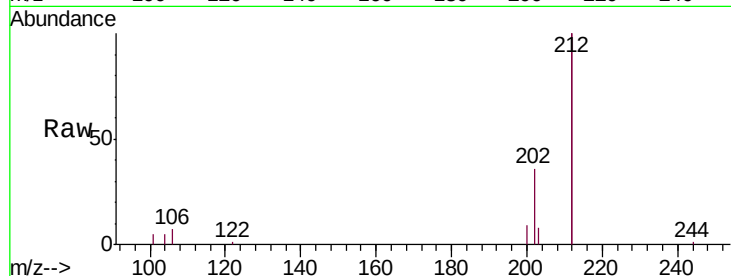




#26
Fluoranthene
Concen: 0.072 ng
RT: 19.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

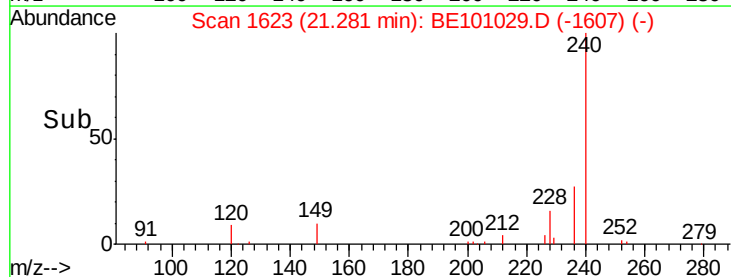
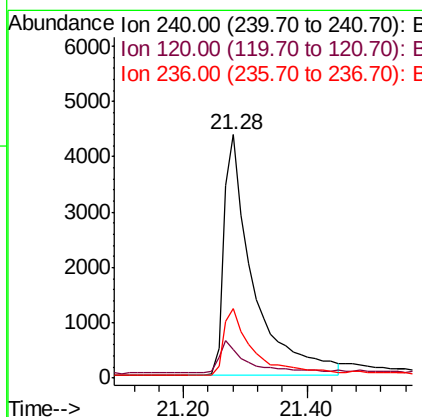
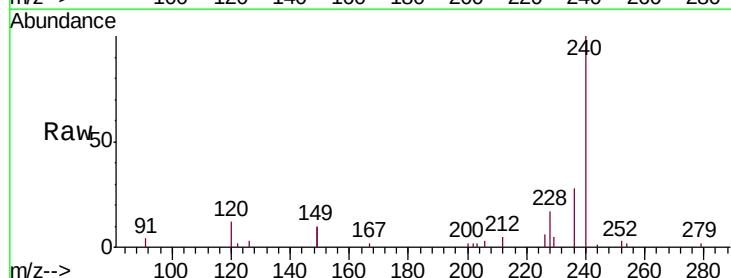
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

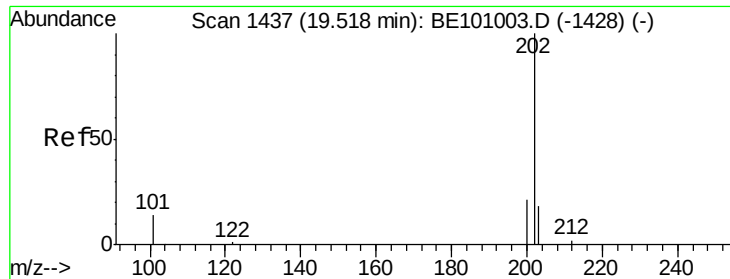
Tgt Ion:202 Resp: 4676
Ion Ratio Lower Upper
202 100
101 11.4 9.6 14.4
203 17.5 13.8 20.6



#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

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

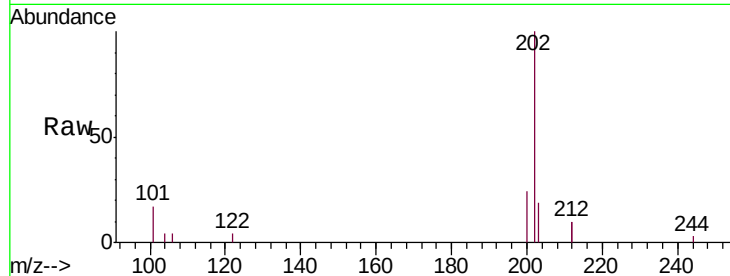




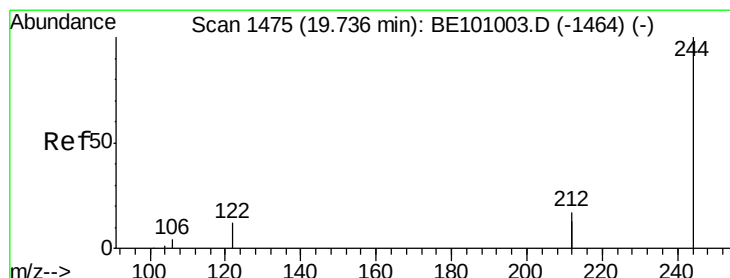
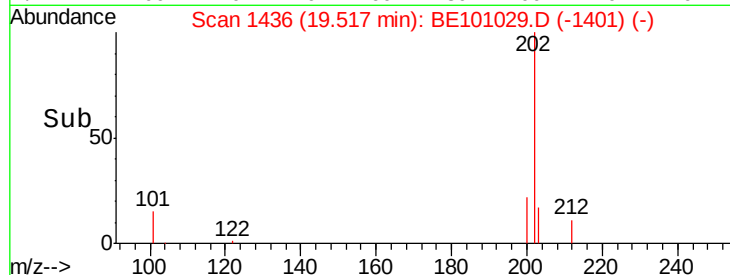
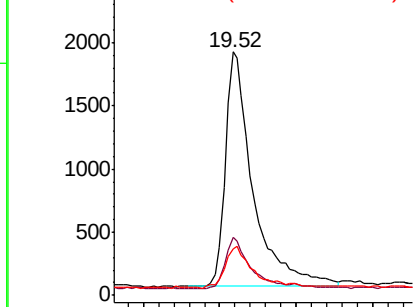
#28
 Pyrene
 Concen: 0.088 ng
 RT: 19.52 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

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

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

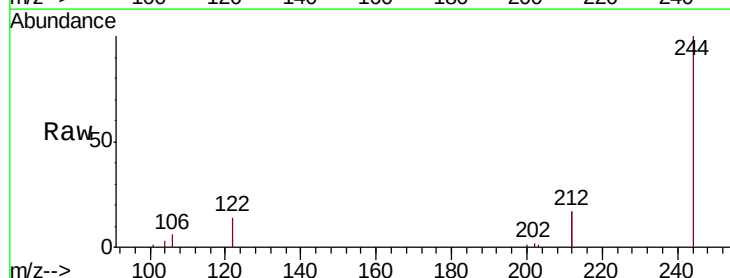


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

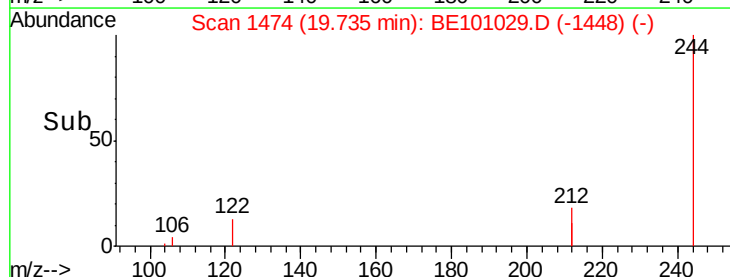
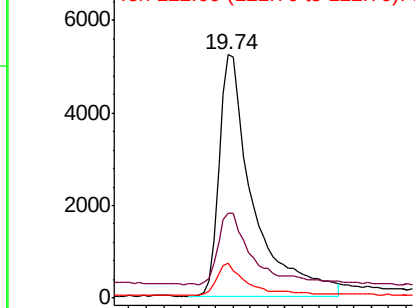


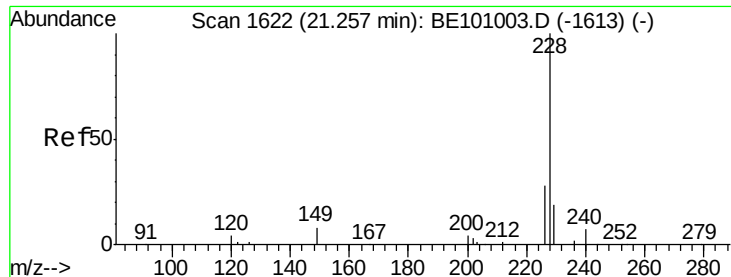
#29
 Terphenyl-d14
 Concen: 0.406 ng
 RT: 19.74 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

Tgt Ion: 244 Resp: 14192
 Ion Ratio Lower Upper
 244 100
 212 34.9 27.2 40.8
 122 14.2 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

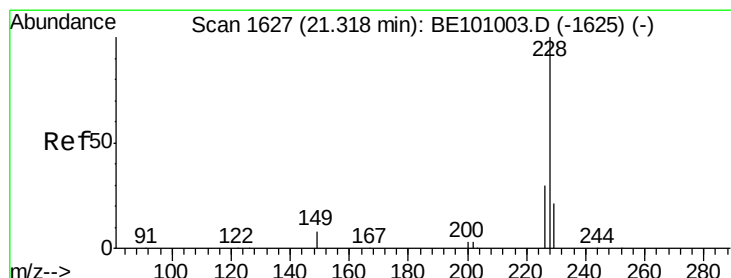
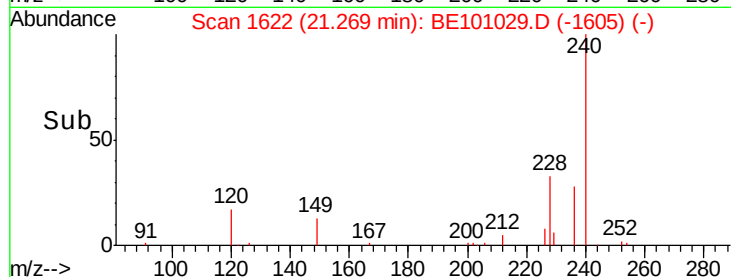
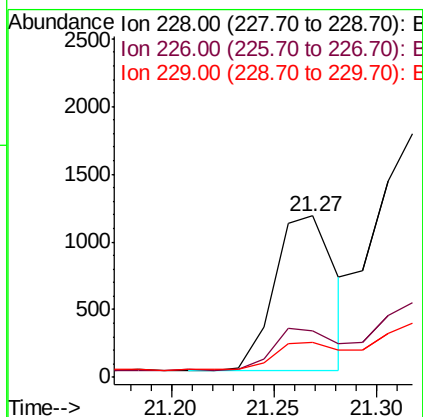
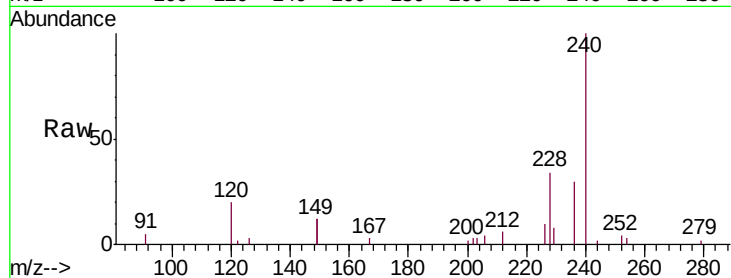




#30
Benzo(a)anthracene
Concen: 0.058 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BE101029.D
Acq: 10 Jan 2020 18:51

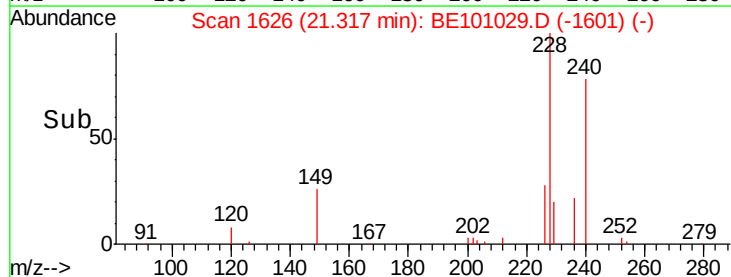
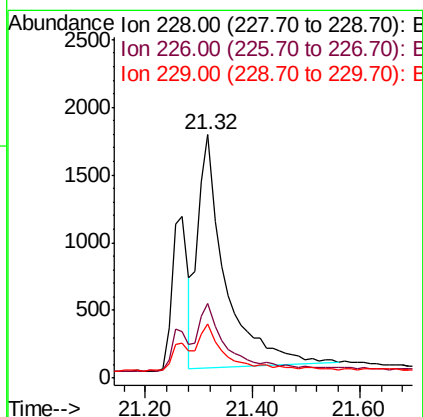
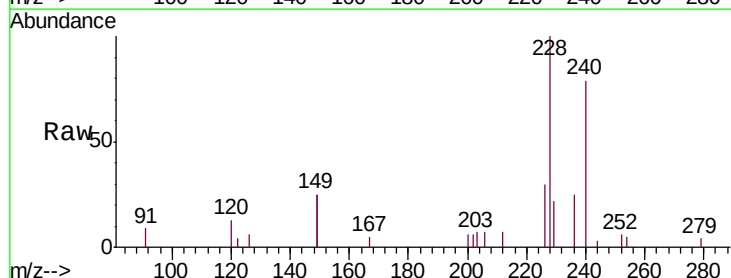
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

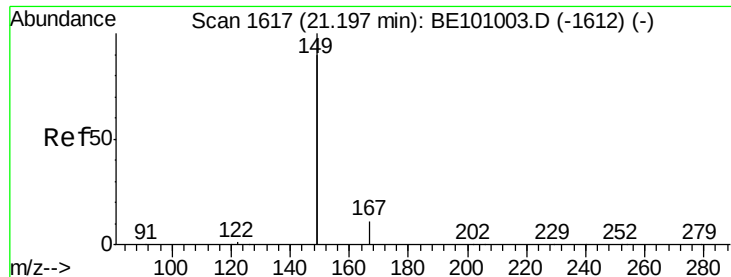
Tgt Ion:228 Resp: 2364
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 22.0 15.5 23.3



#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

Tgt Ion:228 Resp: 5988
Ion Ratio Lower Upper
228 100
226 30.5 23.5 35.3
229 22.2 16.7 25.1

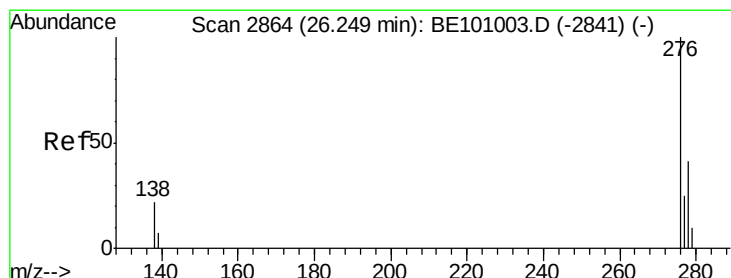
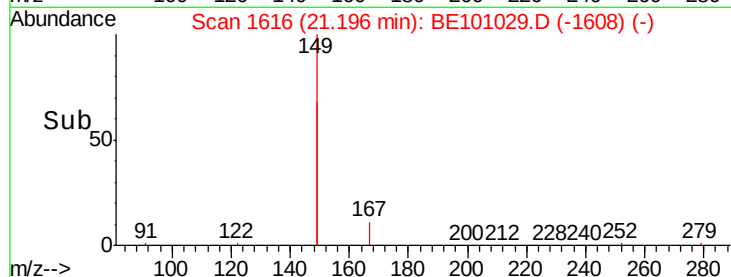
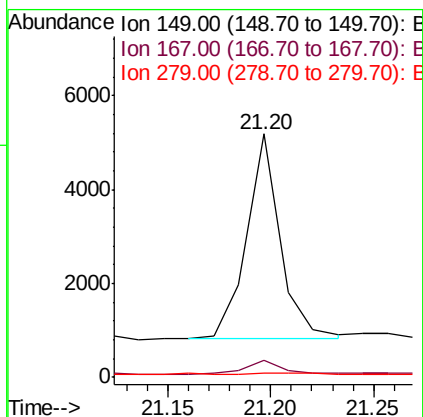
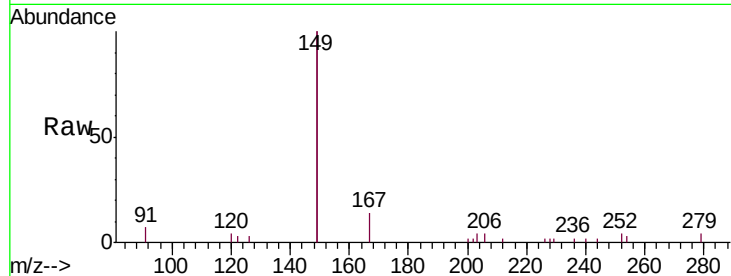




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.074 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

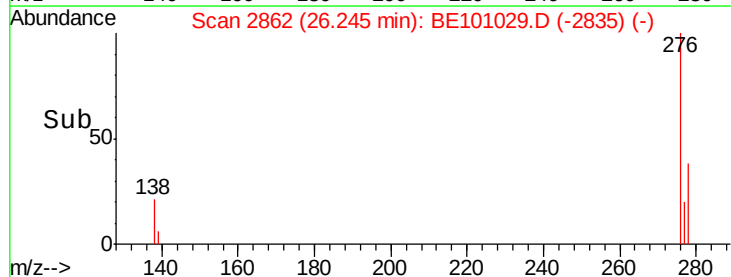
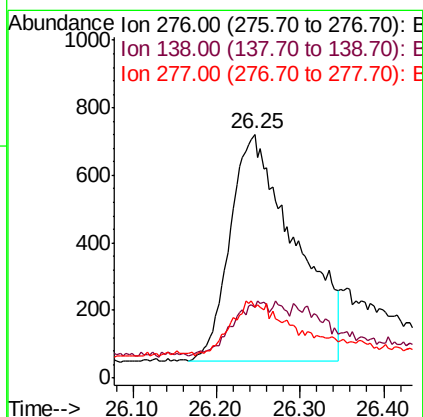
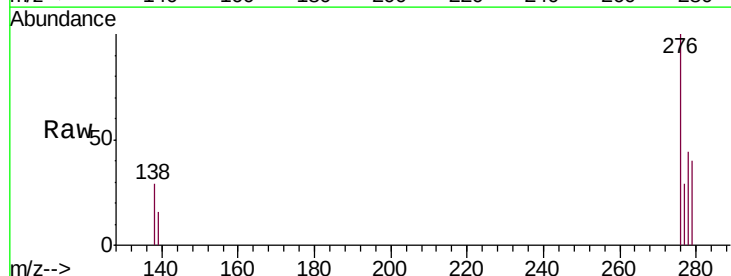
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

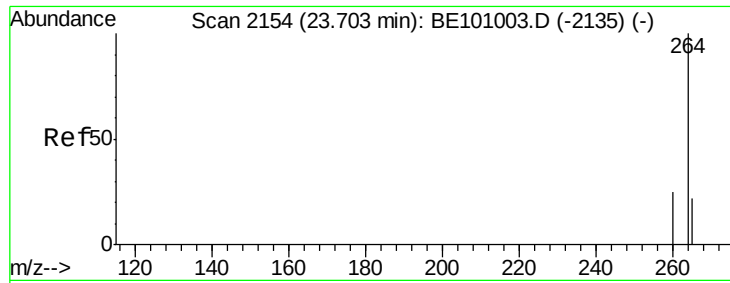
Tgt Ion:149 Resp: 5008
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.2 7.8
 279 1.4 0.8 1.2#



#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

Tgt Ion:276 Resp: 3608
 Ion Ratio Lower Upper
 276 100
 138 13.1 16.1 24.1#
 277 24.3 18.1 27.1

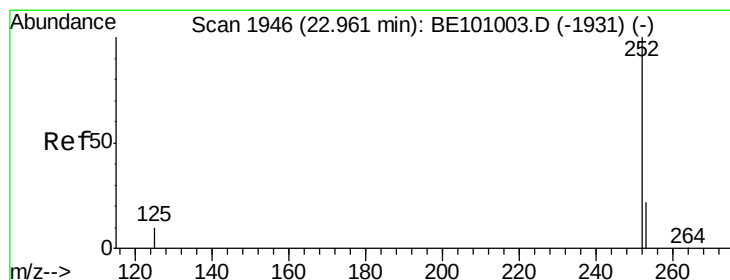
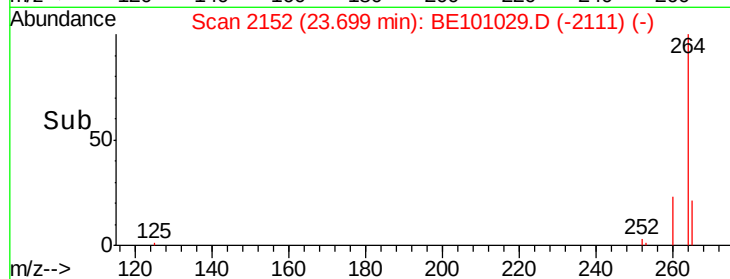
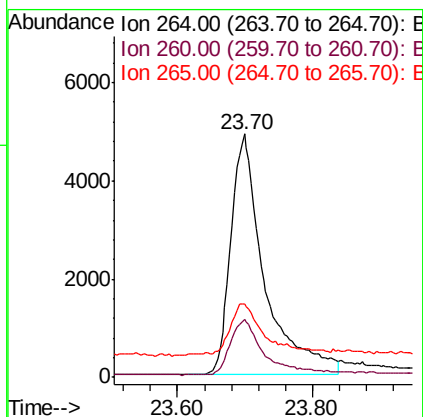
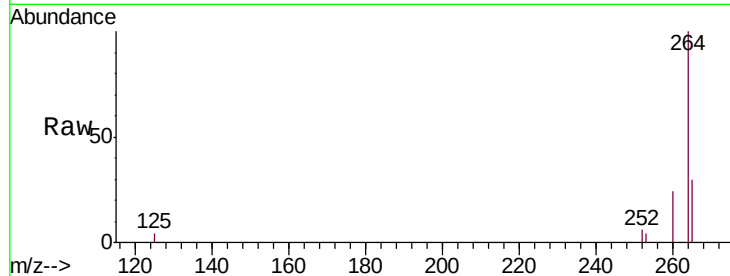




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.70 min Scan# 2152
 Delta R.T. -0.00 min
 Lab File: BE101029.D
 Acq: 10 Jan 2020 18:51

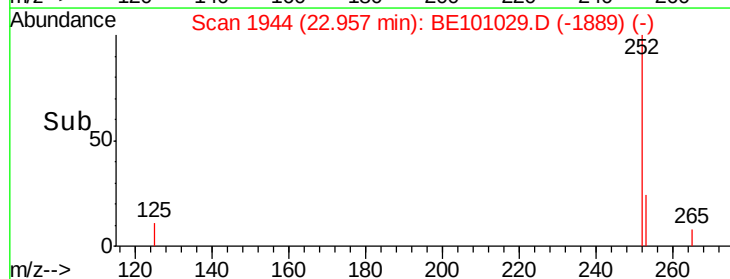
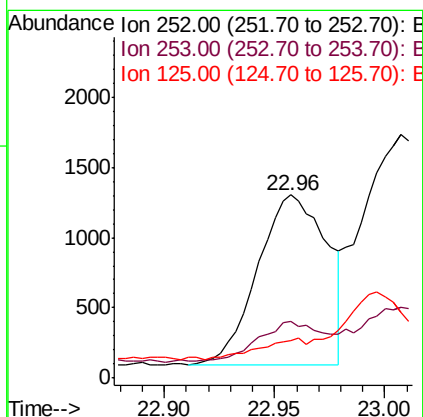
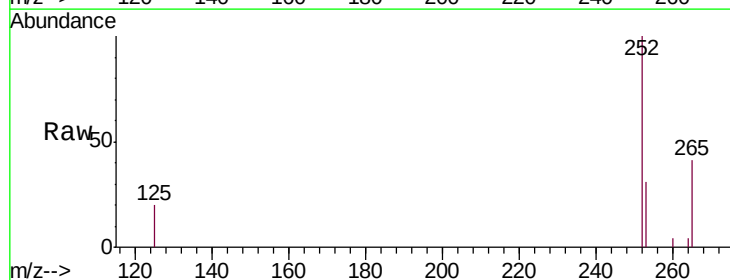
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

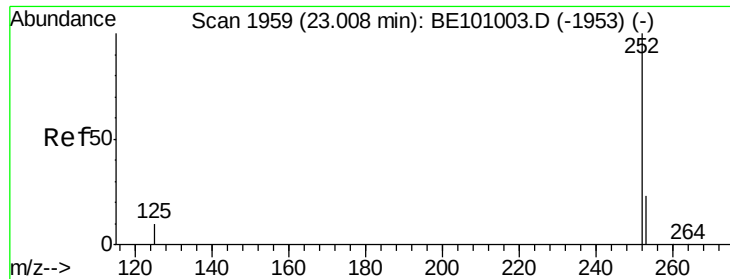
Tgt Ion: 264 Resp: 16946
 Ion Ratio Lower Upper
 264 100
 260 23.8 20.3 30.5
 265 30.2 27.0 40.4



#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

Tgt Ion: 252 Resp: 2636
 Ion Ratio Lower Upper
 252 100
 253 31.2 18.5 27.7#
 125 20.5 9.5 14.3#





#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

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

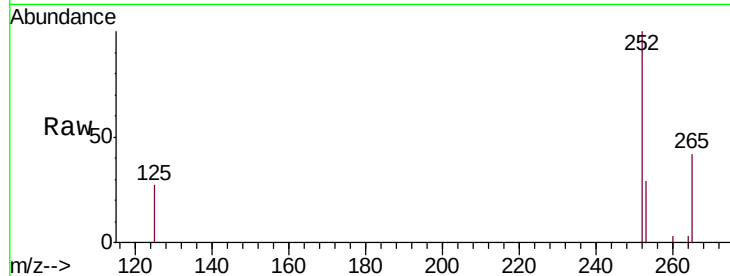
Tgt Ion:252 Resp: 5013

Ion Ratio Lower Upper

252 100

253 29.1 18.9 28.3#

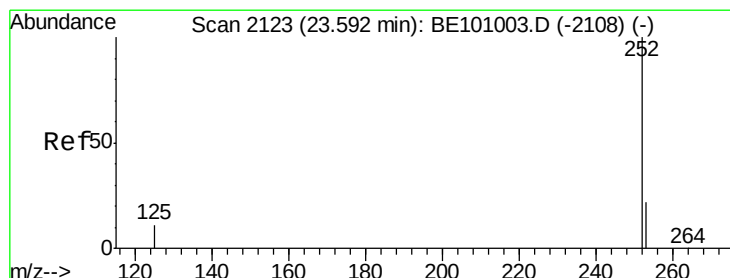
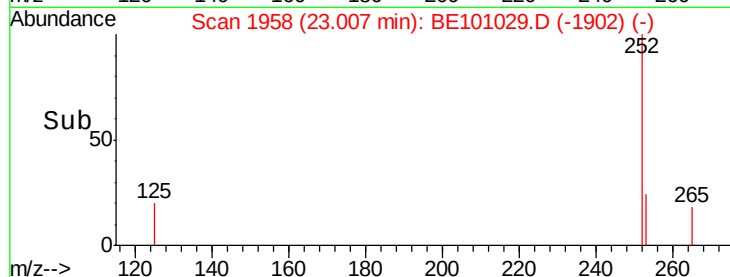
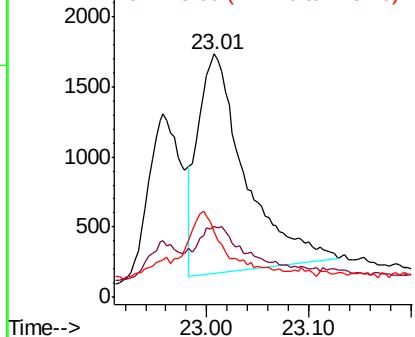
125 27.0 10.1 15.1#



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

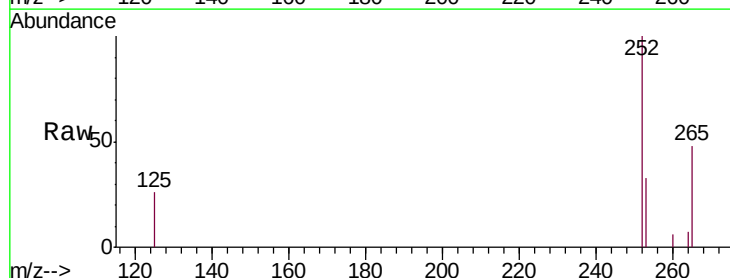
Tgt Ion:252 Resp: 3137

Ion Ratio Lower Upper

252 100

253 32.6 19.4 29.2#

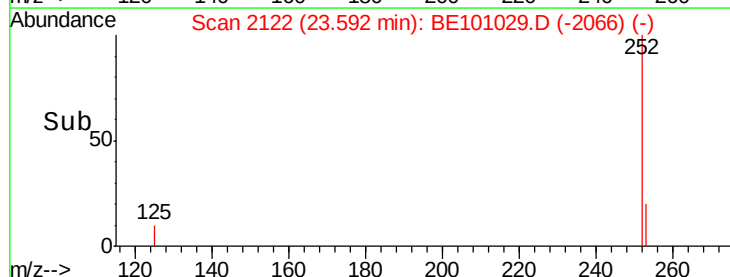
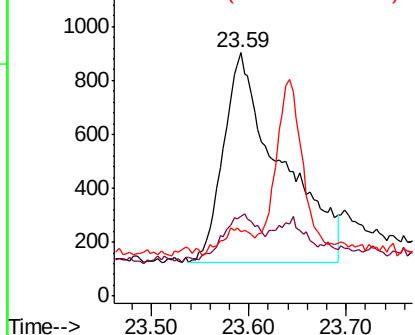
125 26.2 11.8 17.6#

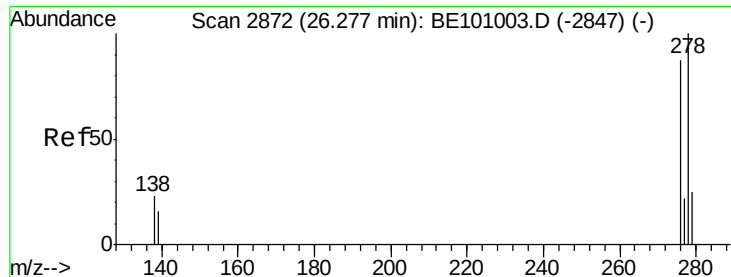


Abundance Ion 252.00 (251.70 to 252.70): E

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

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

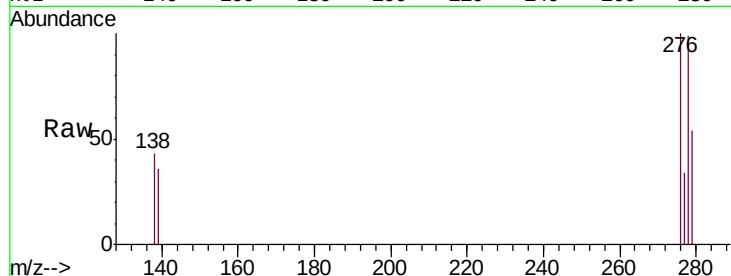
Tgt Ion: 278 Resp: 3026

Ion Ratio Lower Upper

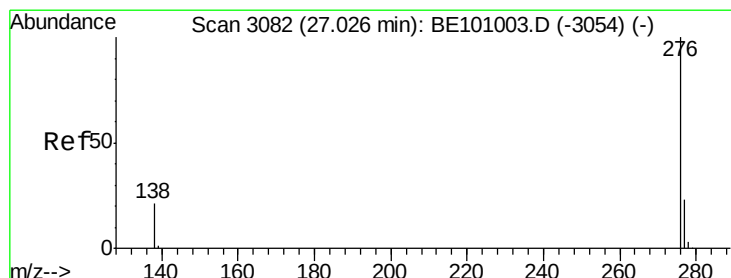
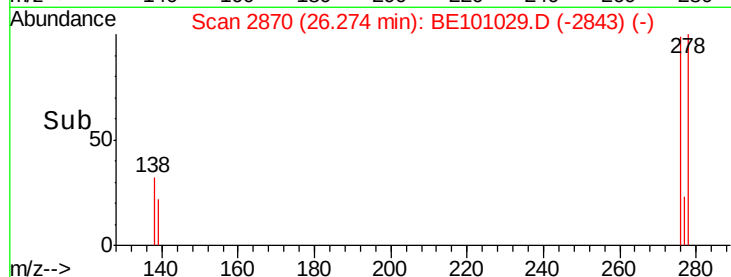
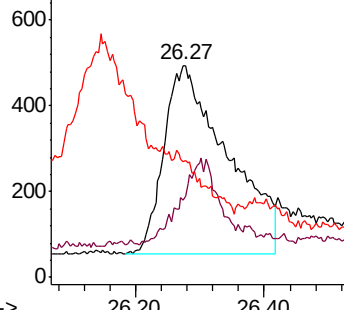
278 100

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(g,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

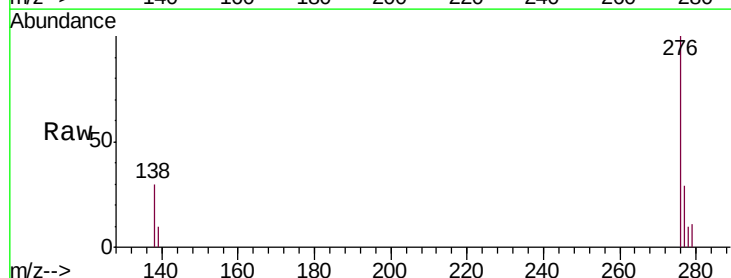
Tgt Ion: 276 Resp: 3836

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

