

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
 Data File : BE100234.D
 Acq On : 28 Jun 2019 14:48
 Operator : JU/SJ
 Sample : K2241-01
 Misc : LOD-S-0.1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 29 00:00:00 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	455	0.40	ng	0.01
7) Naphthalene-d8	10.46	136	1586	0.40	ng	0.01
13) Acenaphthene-d10	14.33	164	1260	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	3818	0.40	ng	0.01
27) Chrysene-d12	21.25	240	6050	0.40	ng	0.00
34) Perylene-d12	23.67	264	7449	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	464	0.40	ng	0.00
5) Phenol-d6	6.85	99	524	0.34	ng	0.01
8) Nitrobenzene-d5	8.85	82	554	0.35	ng	0.03
11) 2-Methylnaphthalene-d10	12.06	152	1131	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.84	330	284	0.32	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	1893	0.39	ng	0.01
25) Fluoranthene-d10	19.10	212	21693	0.39	ng	0.00
29) Terphenyl-d14	19.71	244	4814	0.38	ng	0.00

Target Compounds

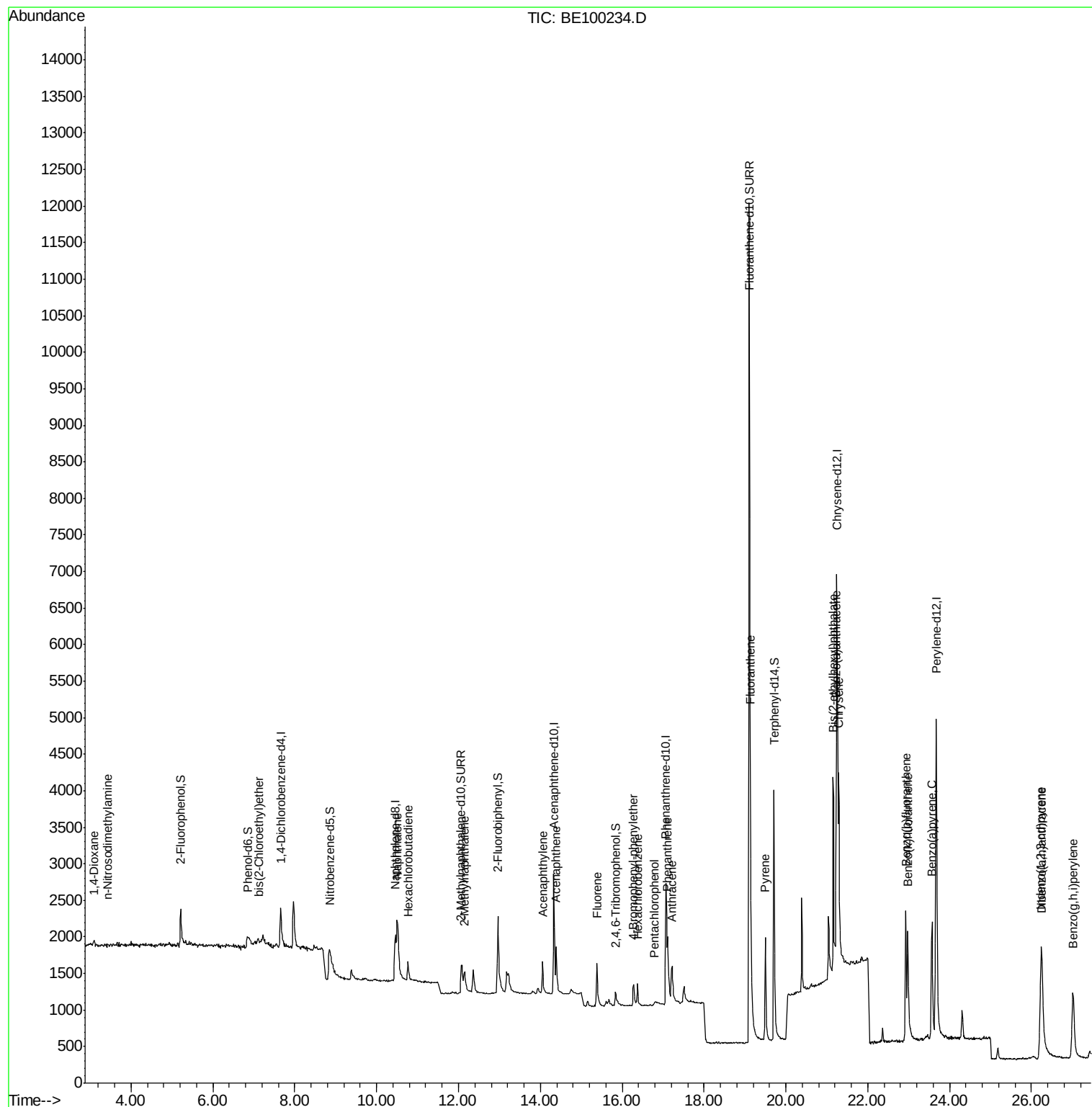
						Qvalue
2) 1,4-Dioxane	3.10	88	86	0.122	ng	88
3) n-Nitrosodimethylamine	3.43	42	11	0.033	ng	# 1
6) bis(2-Chloroethyl)ether	7.13	93	133	0.106	ng	# 62
9) Naphthalene	10.51	128	2169	0.124	ng	# 88
10) Hexachlorobutadiene	10.77	225	208	0.123	ng	99
12) 2-Methylnaphthalene	12.15	142	338	0.110	ng	92
16) Acenaphthylene	14.05	152	742	0.123	ng	99
17) Acenaphthene	14.38	154	385	0.112	ng	92
18) Fluorene	15.38	166	603	0.119	ng	98
20) 4-Bromophenyl-phenylether	16.28	248	299	0.123	ng	# 87
21) Hexachlorobenzene	16.37	284	300	0.119	ng	98
22) Pentachlorophenol	16.79	266	128	0.168	ng	83
23) Phenanthrene	17.11	178	1089	0.118	ng	99
24) Anthracene	17.22	178	893	0.107	ng	99
26) Fluoranthene	19.13	202	1887	0.128	ng	100
28) Pyrene	19.50	202	1925	0.120	ng	99
30) Benzo(a)anthracene	21.23	228	2222	0.112	ng	97
31) Chrysene	21.28	228	2656	0.133	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	3719	0.075	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	3176	0.120	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	2433	0.120	ng	# 76
36) Benzo(k)fluoranthene	22.98	252	2801	0.124	ng	# 87
37) Benzo(a)pyrene	23.56	252	2714	0.134	ng	# 65
38) Dibenzo(a,h)anthracene	26.26	278	2492	0.118	ng	# 83
39) Benzo(g,h,i)perylene	27.01	276	2672	0.123	ng	# 89

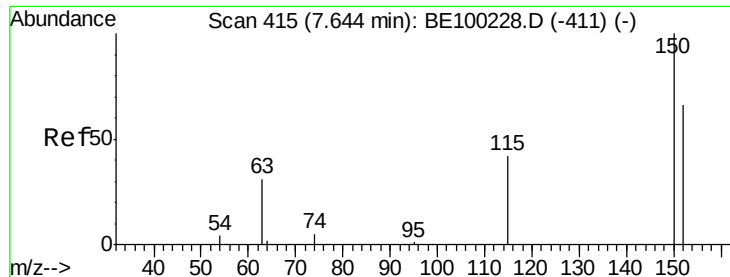
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
Data File : BE100234.D
Acq On : 28 Jun 2019 14:48
Operator : JU/SJ
Sample : K2241-01
Misc : LOD-S-0.1PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 29 00:00:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 416

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

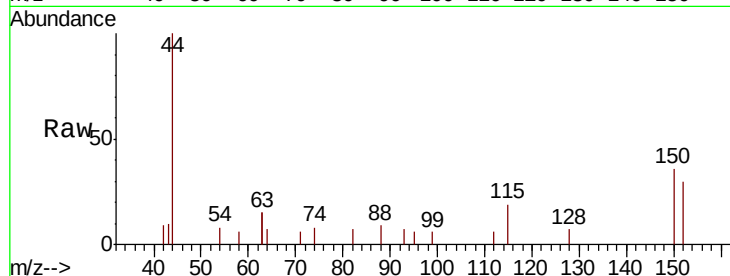
Tgt Ion:152 Resp: 455

Ion Ratio Lower Upper

152 100

150 121.9 114.5 171.7

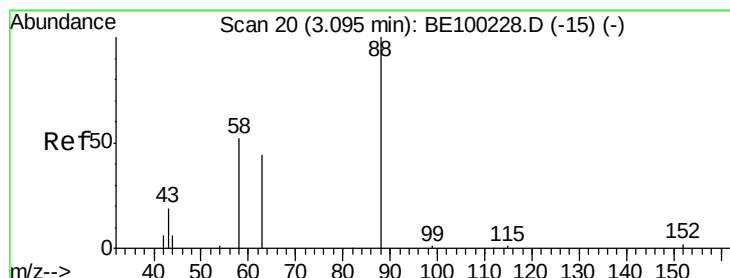
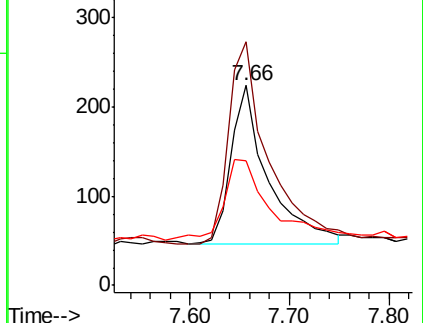
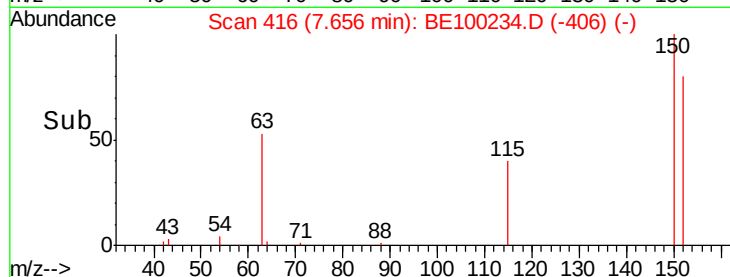
115 62.5 57.1 85.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.122 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

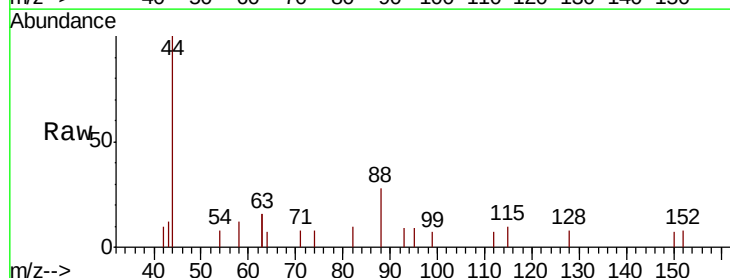
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

58 65.1 43.6 65.4

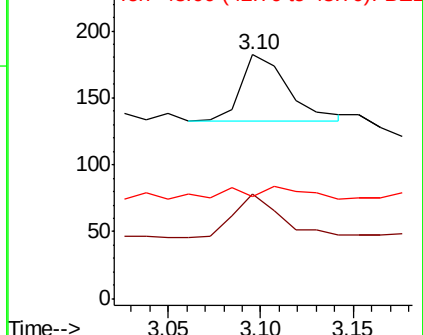
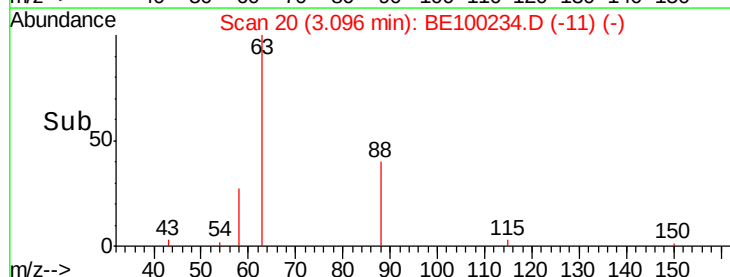
43 30.2 21.4 32.0

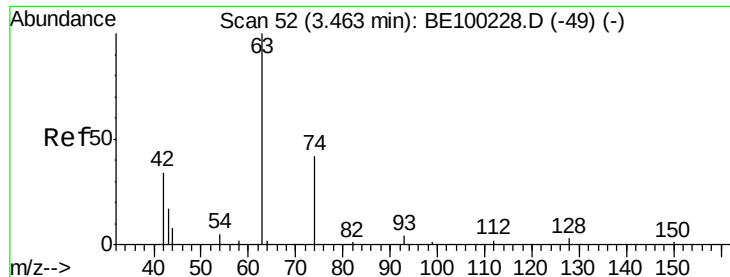


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.033 ng

RT: 3.43 min Scan# 49

Delta R.T. -0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

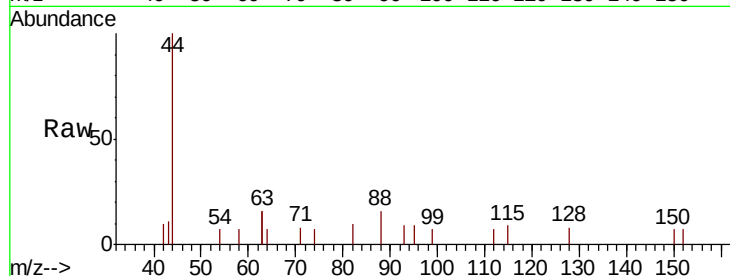
BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 42 Resp: 11

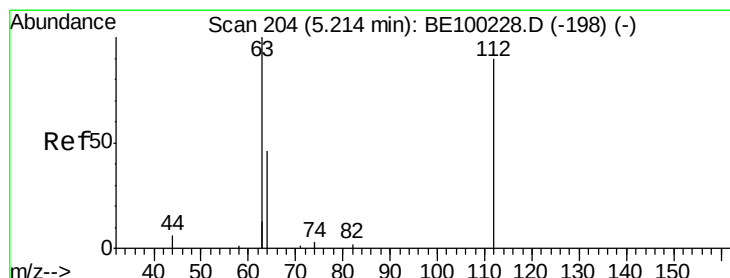
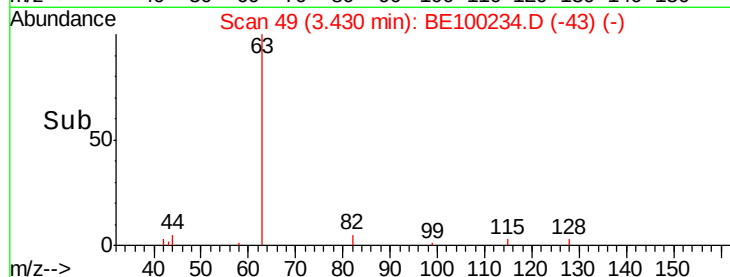
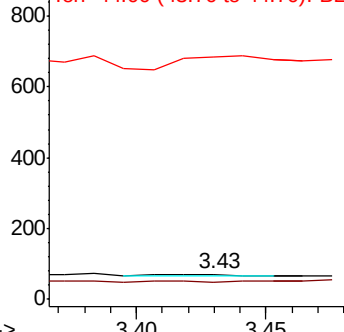
Ion	Ratio	Lower	Upper
42	100		
74	0.0	130.6	196.0#
44	1063.6	38.0	57.0#



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: 0.400 ng

RT: 5.21 min Scan# 204

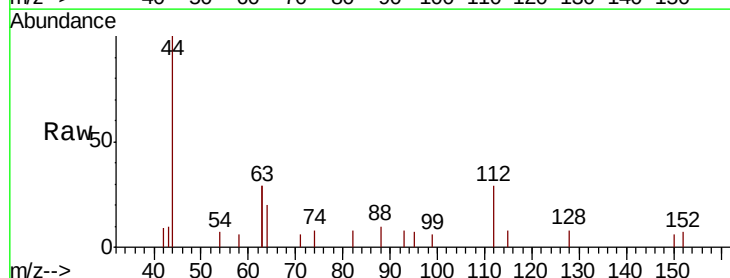
Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Tgt Ion: 112 Resp: 464

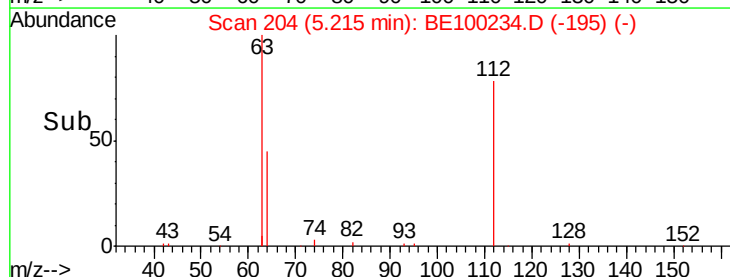
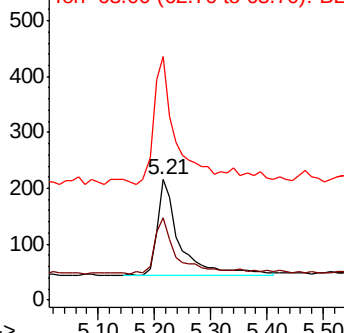
Ion	Ratio	Lower	Upper
112	100		
64	57.5	39.4	59.0
63	140.9	104.5	156.7

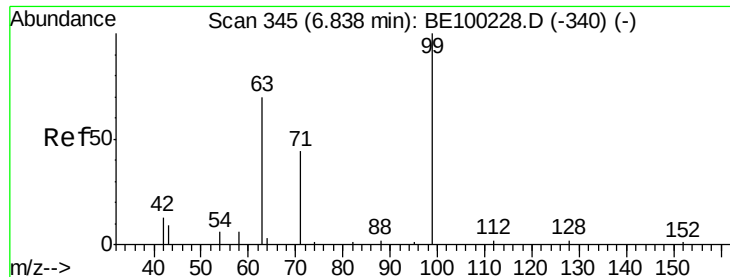


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.343 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

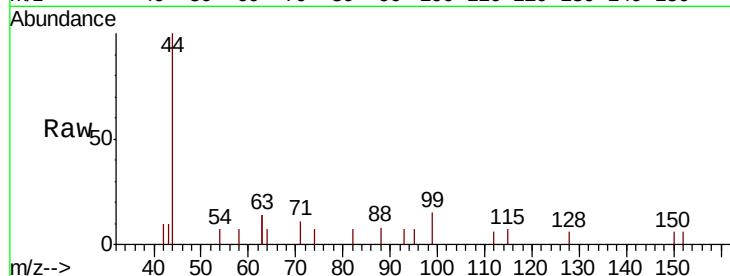
Tgt Ion: 99 Resp: 524

Ion Ratio Lower Upper

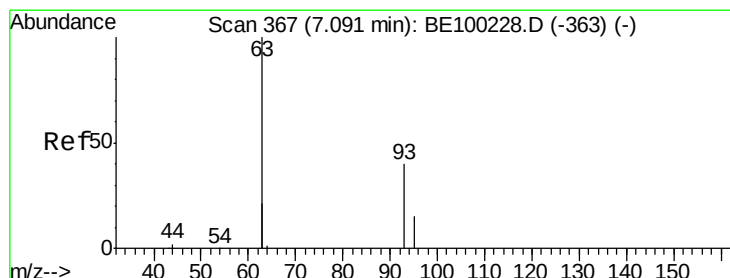
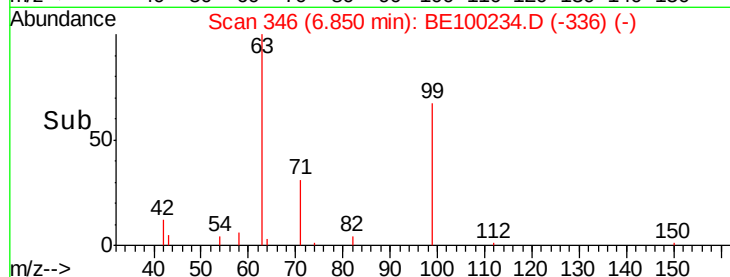
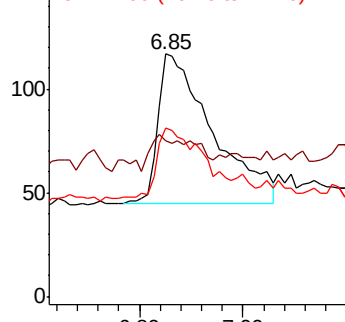
99 100

42 13.0 11.2 16.8

71 38.2 37.2 55.8



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: 0.106 ng

RT: 7.13 min Scan# 370

Delta R.T. 0.04 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

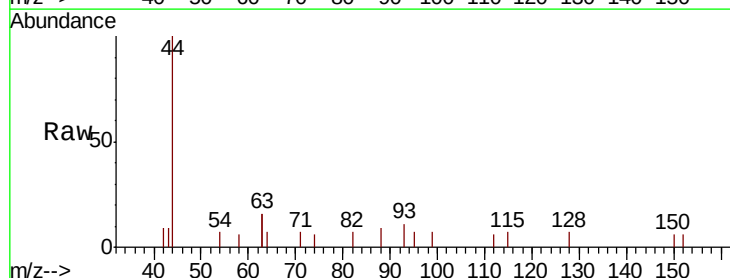
Tgt Ion: 93 Resp: 133

Ion Ratio Lower Upper

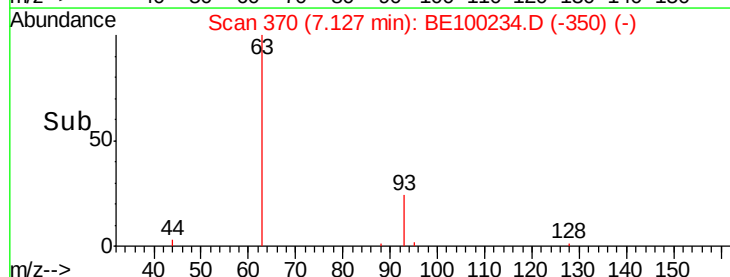
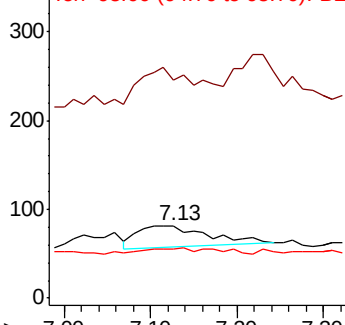
93 100

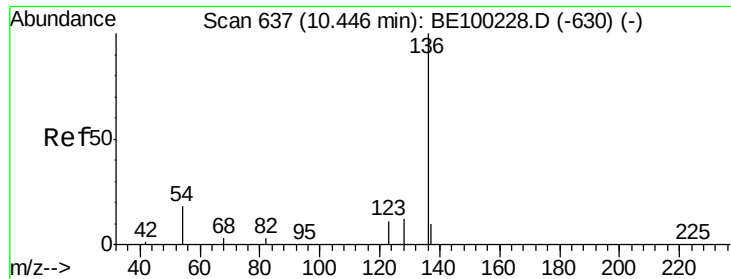
63 142.1 155.6 233.4#

95 0.0 23.0 34.4#



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: 10.46 min Scan# 638

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:136 Resp: 1586

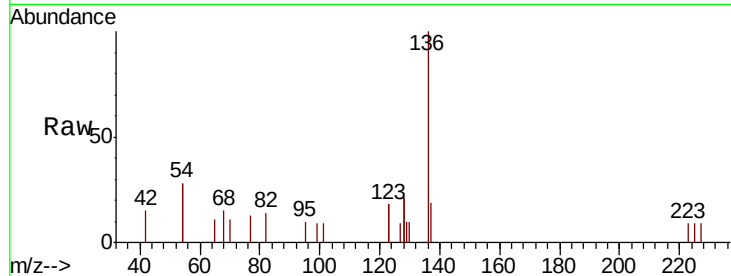
Ion Ratio Lower Upper

136 100

137 18.6 11.8 17.8#

54 55.6 27.7 41.5#

68 14.5 6.8 10.2#

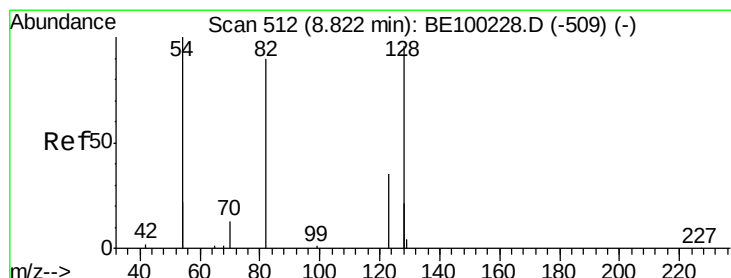
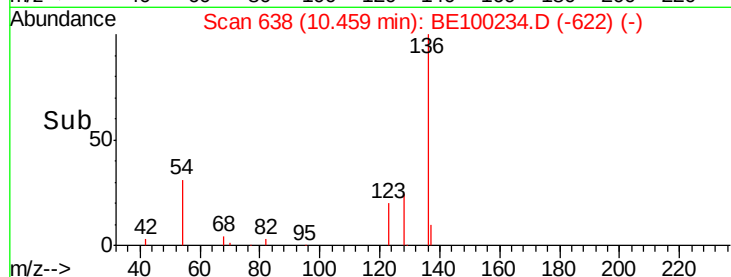
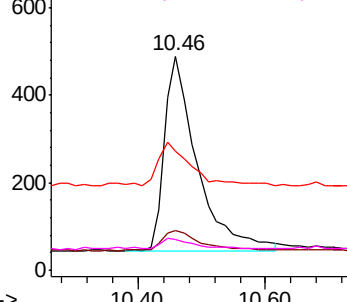


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.352 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

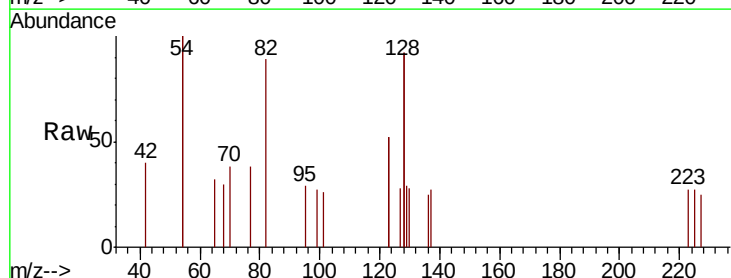
Tgt Ion: 82 Resp: 554

Ion Ratio Lower Upper

82 100

128 207.8 140.9 211.3

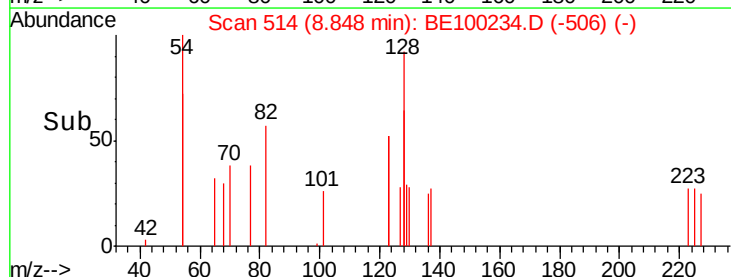
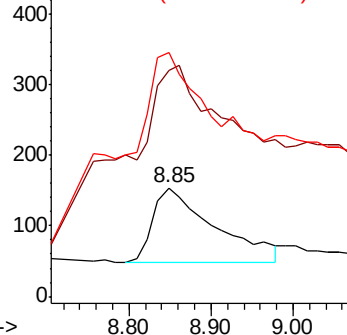
54 224.7 146.2 219.2#

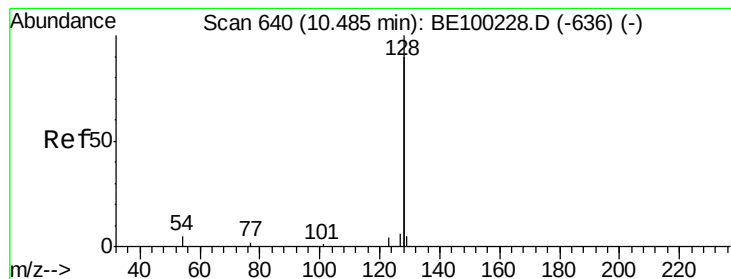


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.124 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

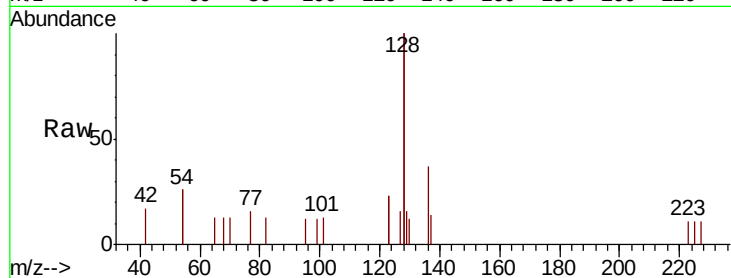
Tgt Ion:128 Resp: 2169

Ion Ratio Lower Upper

128 100

129 8.1 3.0 4.6#

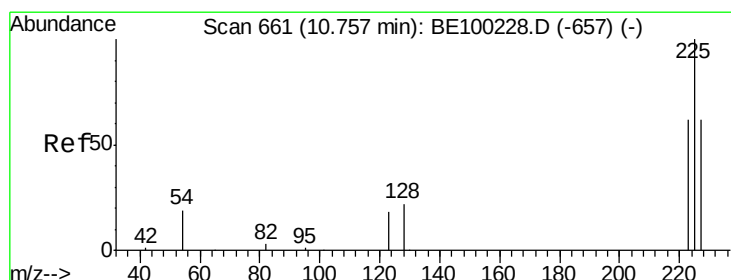
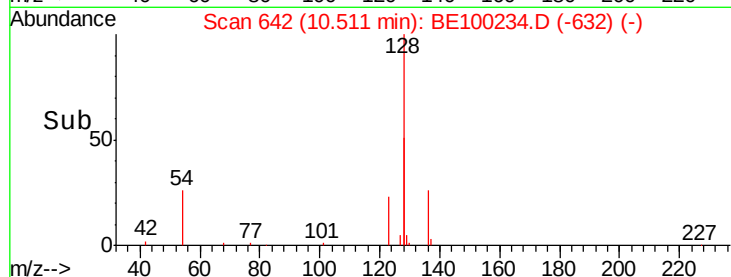
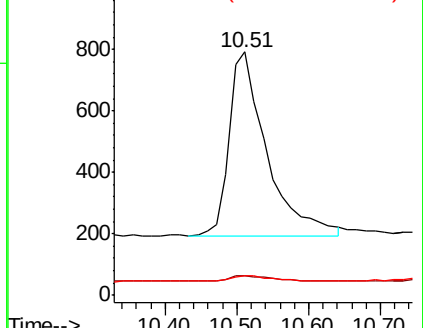
127 8.2 3.5 5.3#



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: 0.123 ng

RT: 10.77 min Scan# 662

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

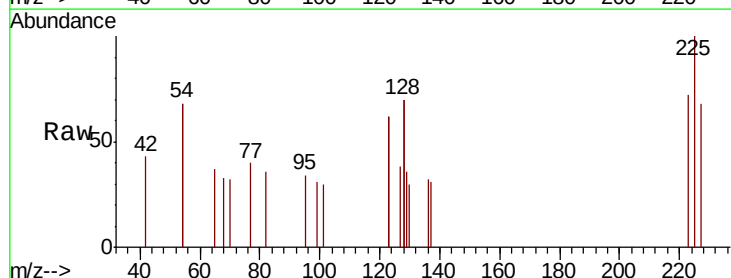
Tgt Ion:225 Resp: 208

Ion Ratio Lower Upper

225 100

223 62.0 49.1 73.7

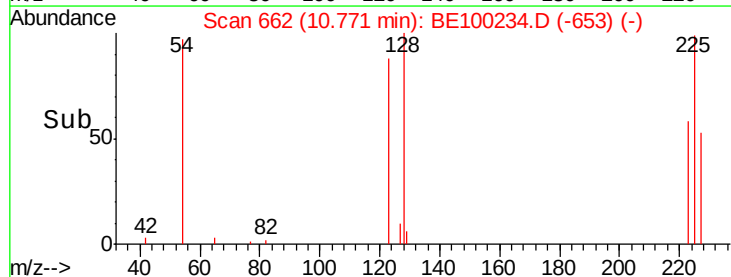
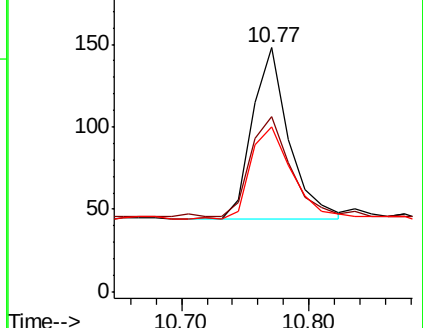
227 60.6 49.3 73.9

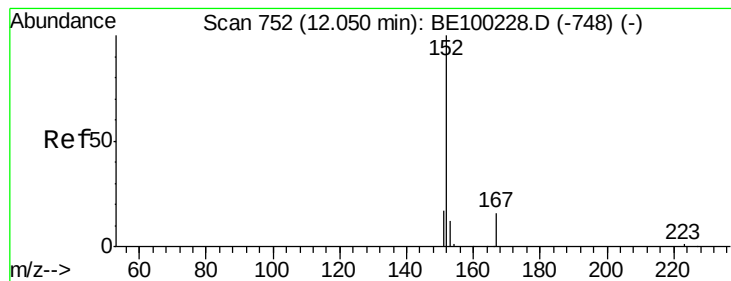


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

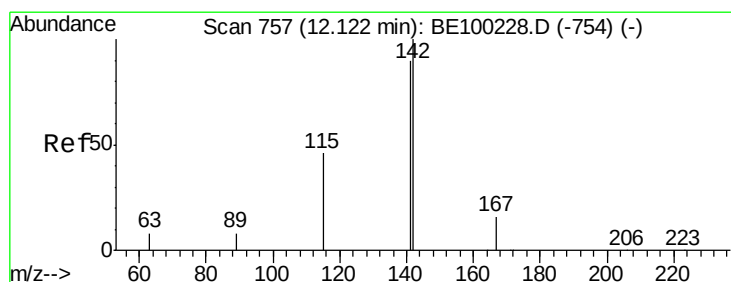
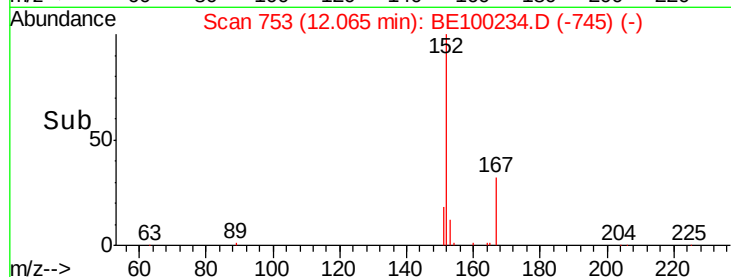
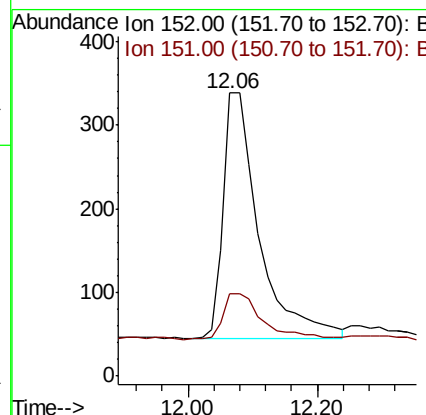
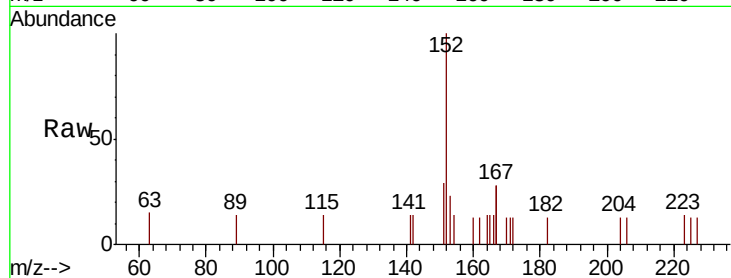




#11
2-Methylnaphthalene-d10
Concen: 0.379 ng
RT: 12.06 min Scan# 753
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

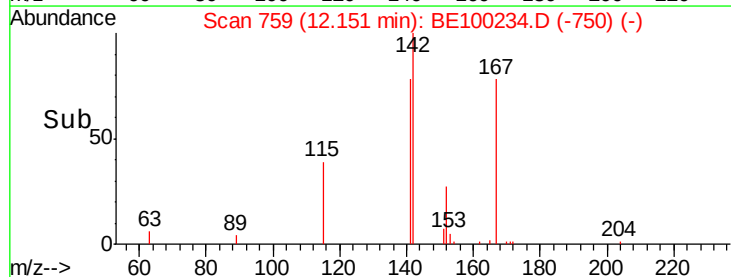
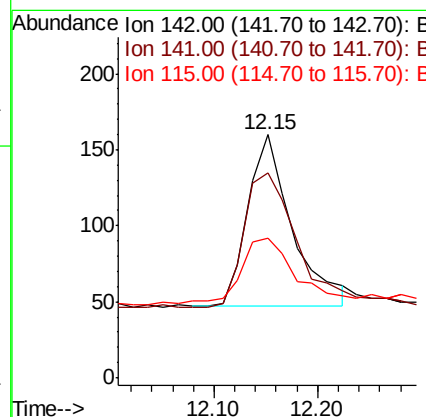
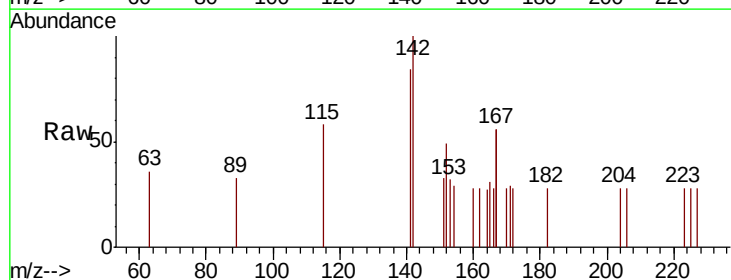
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

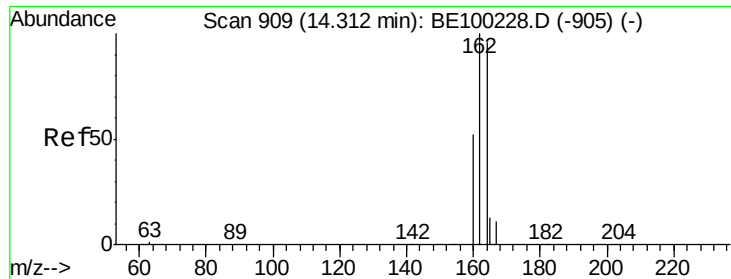
Tgt Ion:152 Resp: 1131
Ion Ratio Lower Upper
152 100
151 20.6 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.110 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.03 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion:142 Resp: 338
Ion Ratio Lower Upper
142 100
141 84.4 72.4 108.6
115 57.5 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 910

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

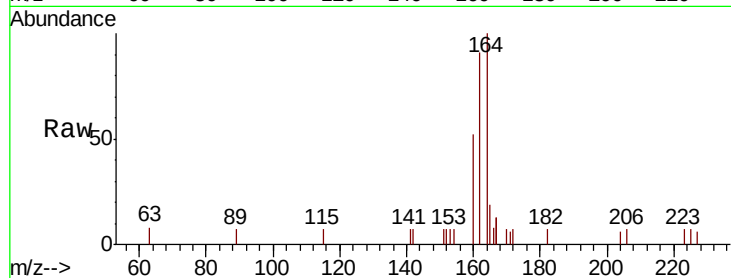
Tgt Ion:164 Resp: 1260

Ion Ratio Lower Upper

164 100

162 91.2 83.4 125.0

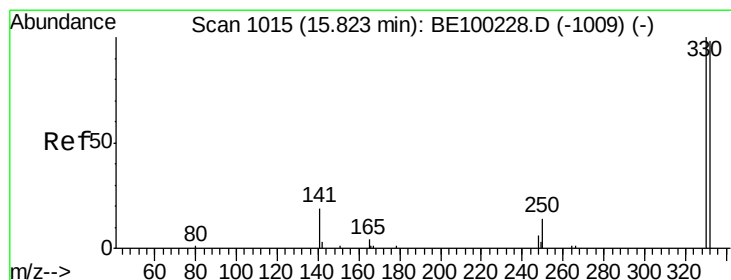
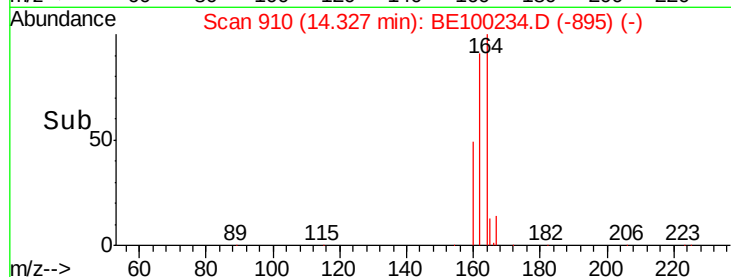
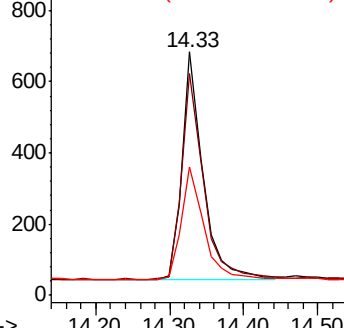
160 52.5 45.0 67.6



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: 0.322 ng

RT: 15.84 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

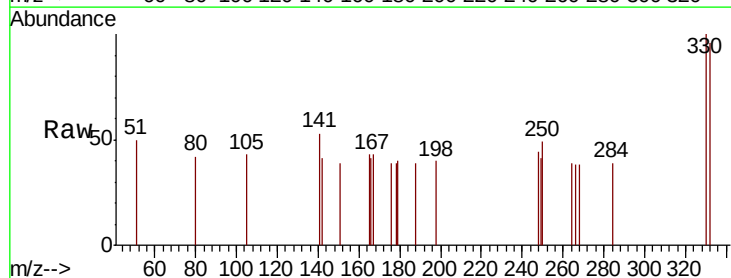
Tgt Ion:330 Resp: 284

Ion Ratio Lower Upper

330 100

332 93.7 77.0 115.4

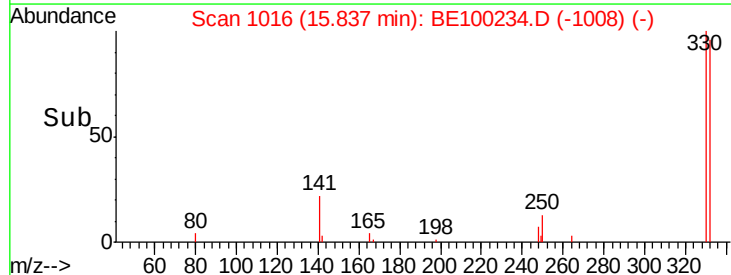
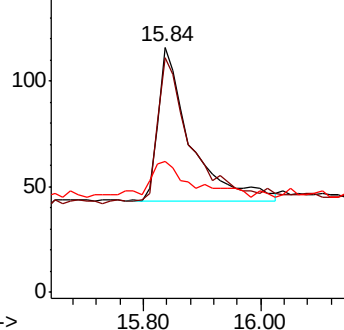
141 28.2 22.0 33.0

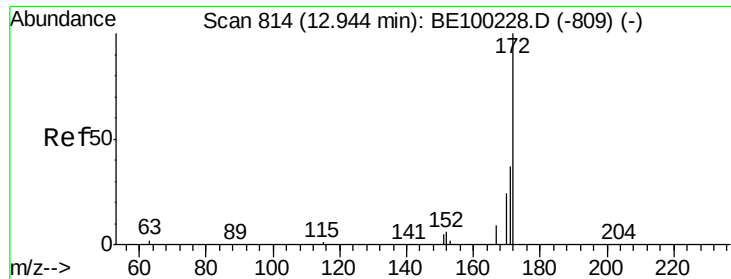


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

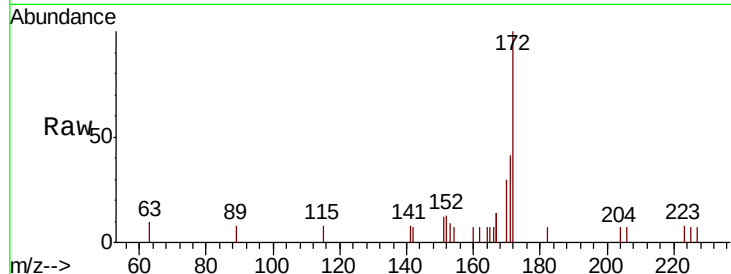




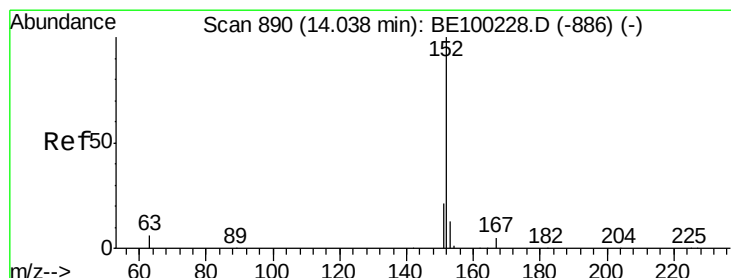
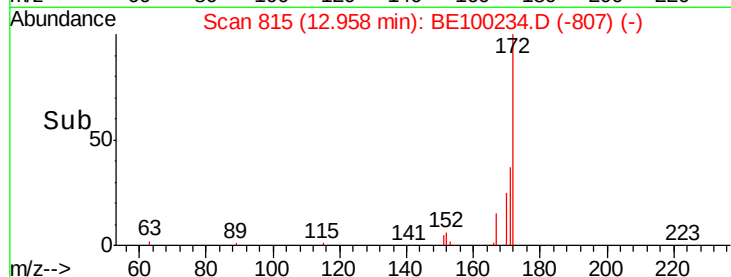
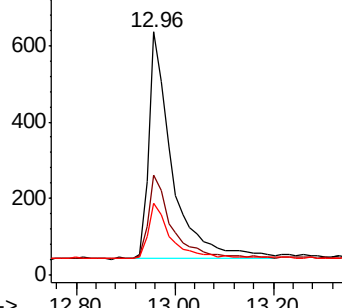
#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 12.96 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:172 Resp: 1893
Ion Ratio Lower Upper
172 100
171 41.3 31.9 47.9
170 29.8 22.2 33.2

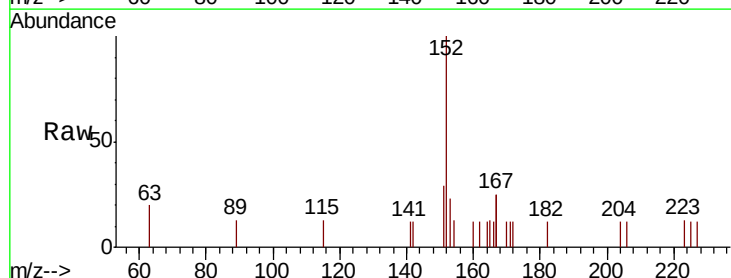


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

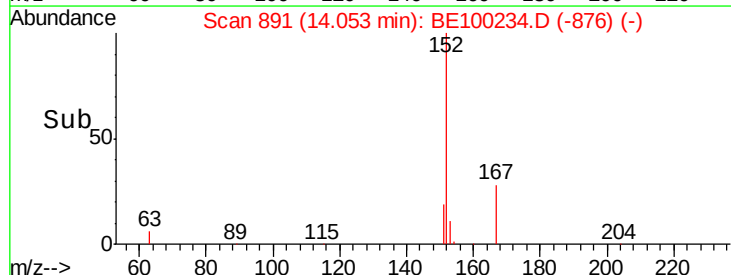
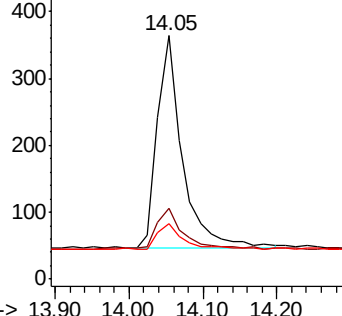


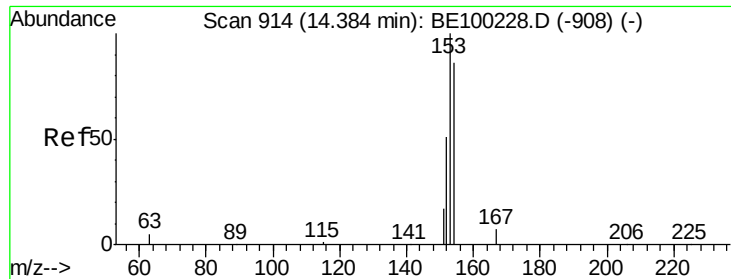
#16
Acenaphthylene
Concen: 0.123 ng
RT: 14.05 min Scan# 891
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion:152 Resp: 742
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0
153 14.0 10.5 15.7



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

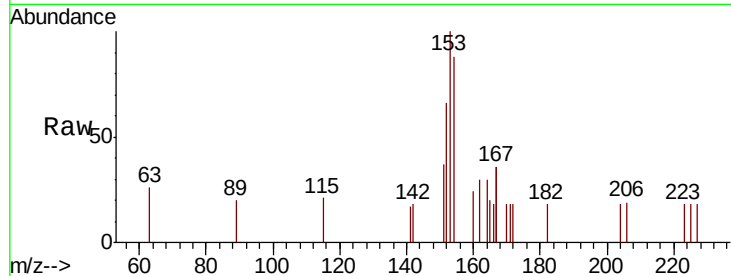




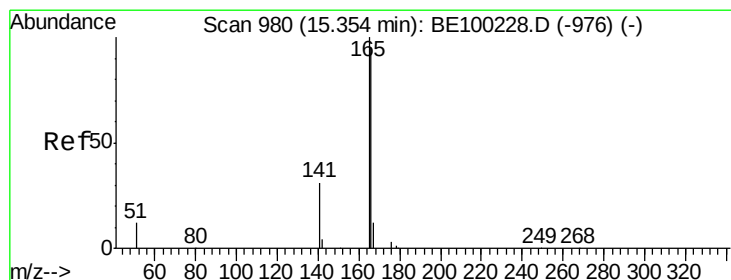
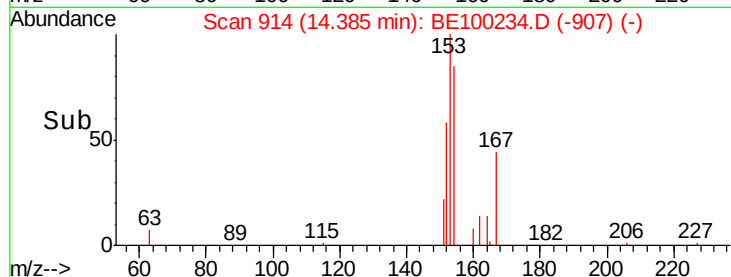
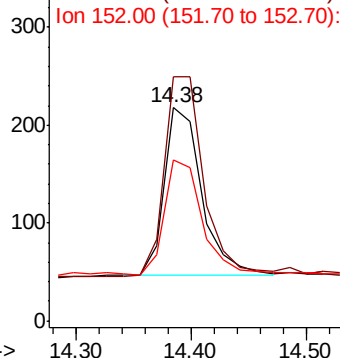
#17
Acenaphthene
Concen: 0.112 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:154 Resp: 385
Ion Ratio Lower Upper
154 100
153 126.0 93.4 140.2
152 67.8 49.4 74.2

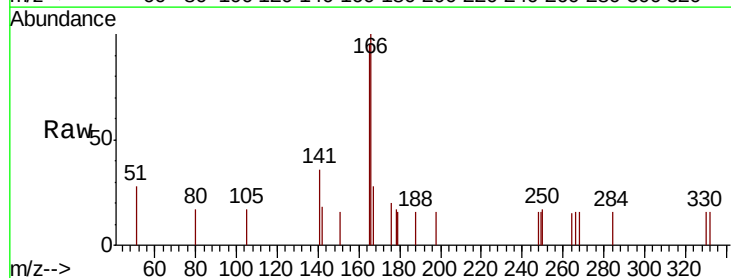


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

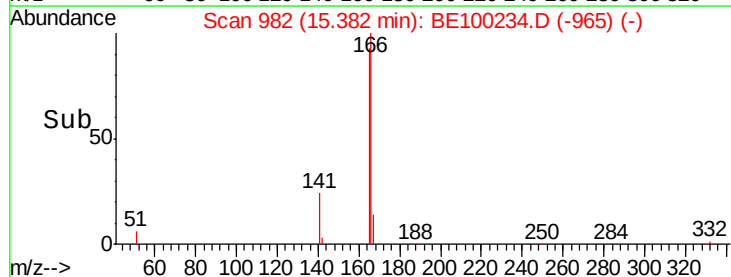
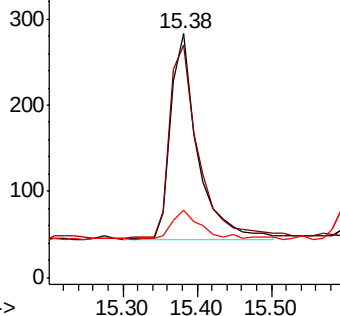


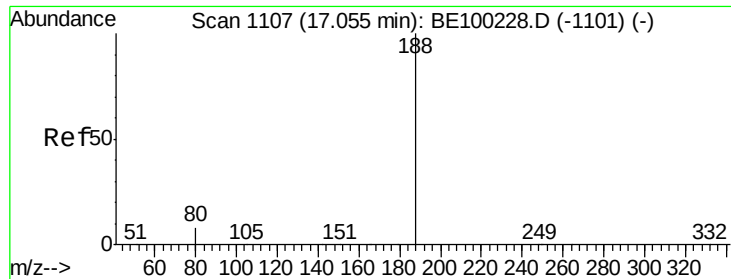
#18
Fluorene
Concen: 0.119 ng
RT: 15.38 min Scan# 982
Delta R.T. 0.03 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion:166 Resp: 603
Ion Ratio Lower Upper
166 100
165 100.2 81.1 121.7
167 15.8 10.7 16.1



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

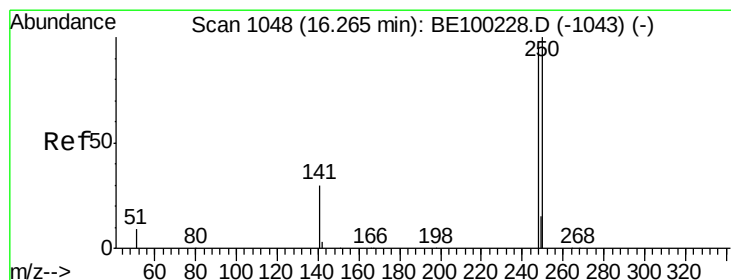
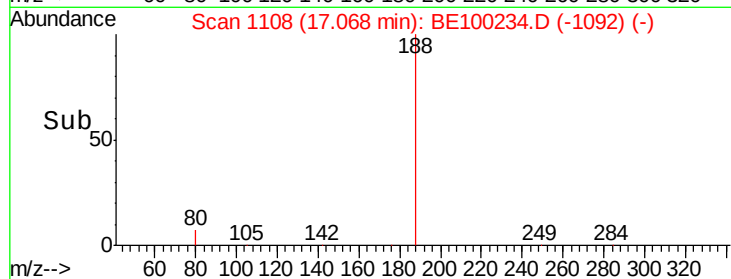
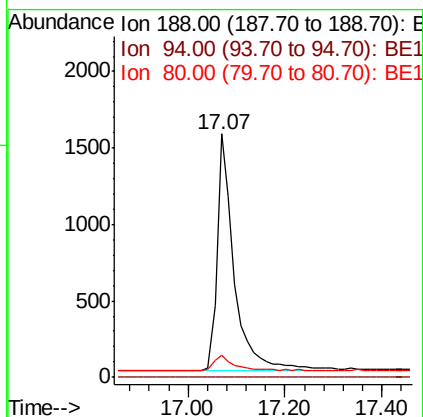
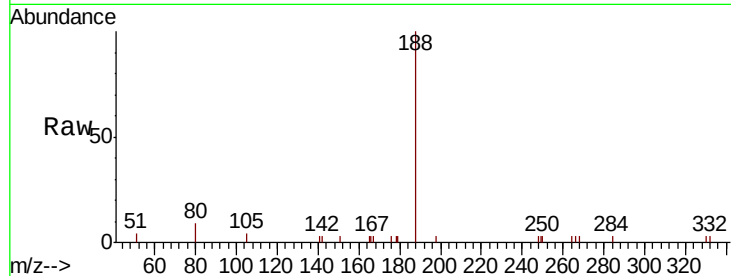




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

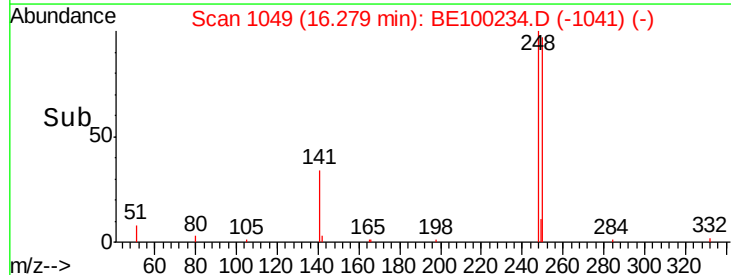
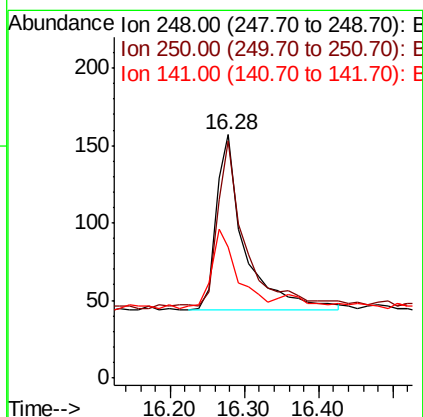
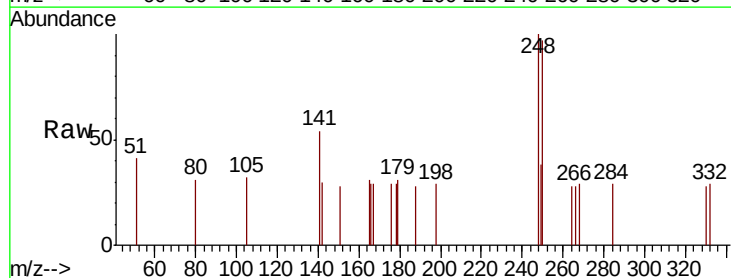
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

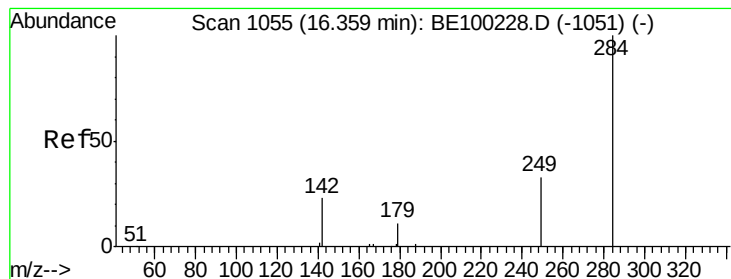
Tgt Ion:188 Resp: 3818
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.6 11.4



#20
4-Bromophenyl-phenylether
Concen: 0.123 ng
RT: 16.28 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BE100234.D
Acq: 28 Jun 2019 14:48

Tgt Ion:248 Resp: 299
Ion Ratio Lower Upper
248 100
250 97.5 84.2 126.4
141 53.5 29.3 43.9#





#21

Hexachlorobenzene

Concen: 0.119 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

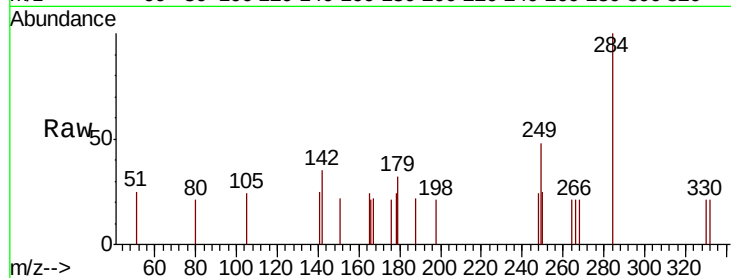
Tgt Ion:284 Resp: 300

Ion Ratio Lower Upper

284 100

142 24.0 18.8 28.2

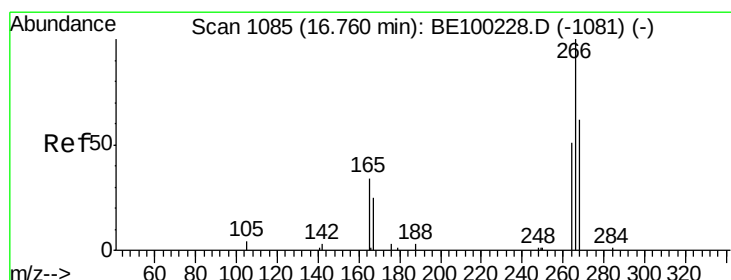
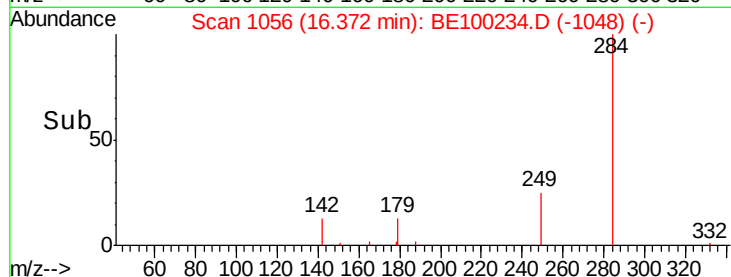
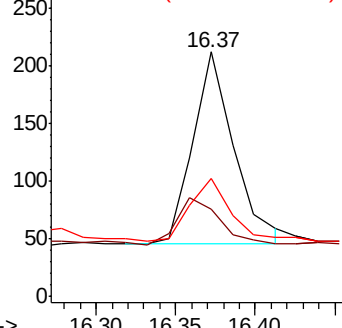
249 31.3 23.7 35.5



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: 0.168 ng

RT: 16.79 min Scan# 1087

Delta R.T. 0.03 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

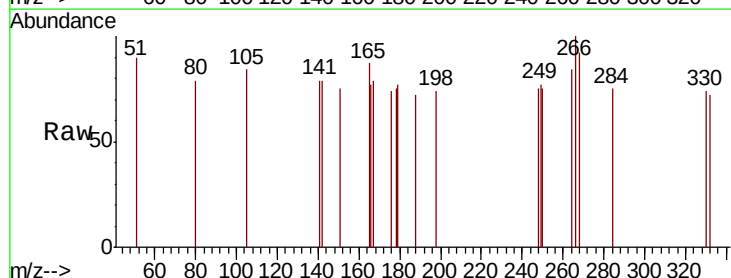
Tgt Ion:266 Resp: 128

Ion Ratio Lower Upper

266 100

264 83.6 56.2 84.2

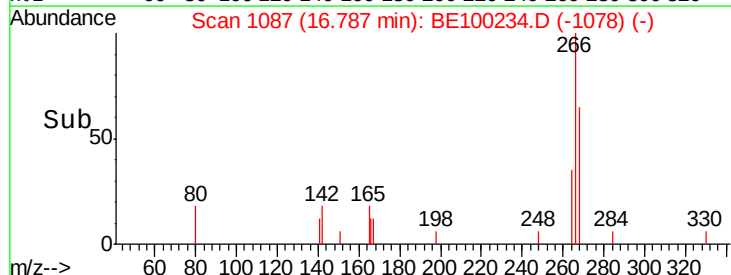
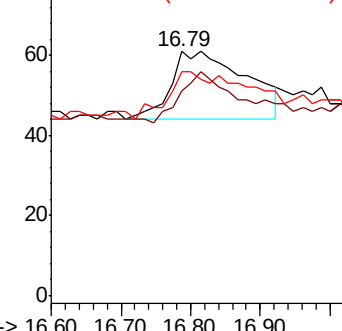
268 91.8 61.8 92.6

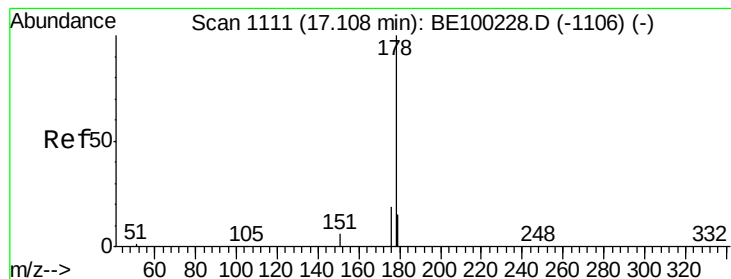


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.11 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

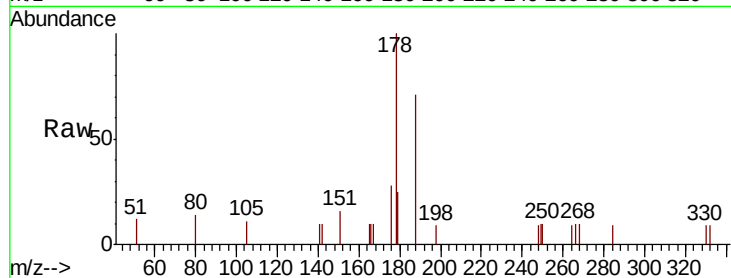
Tgt Ion:178 Resp: 1089

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

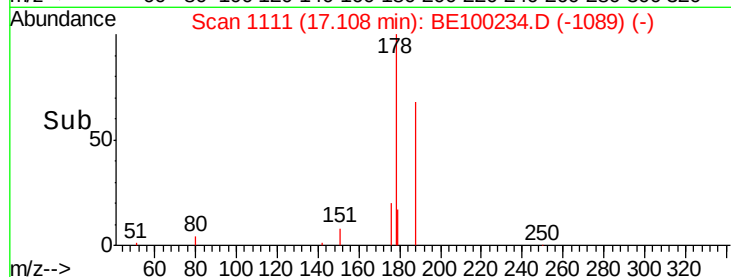
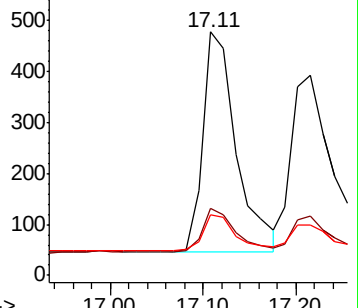
179 16.3 12.2 18.2



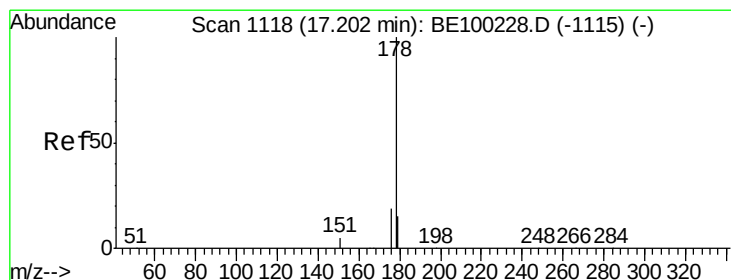
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.107 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

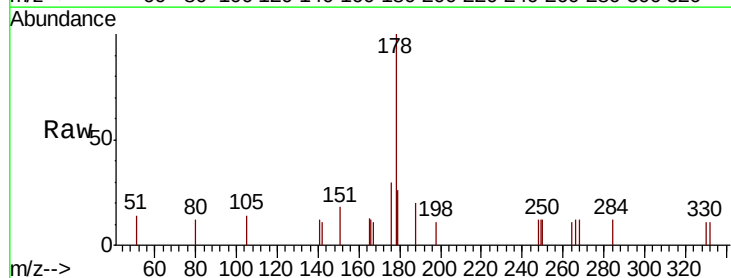
Tgt Ion:178 Resp: 893

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

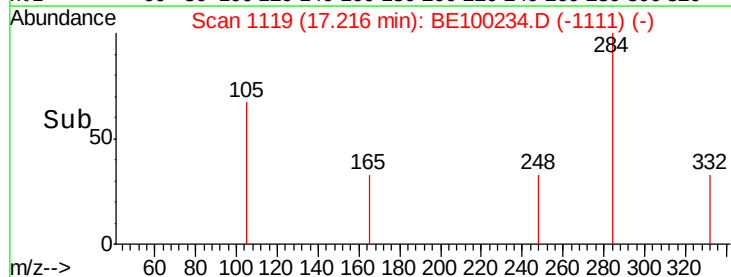
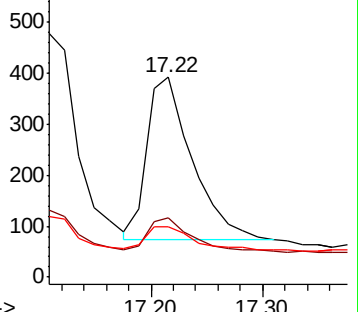
179 16.0 12.2 18.2



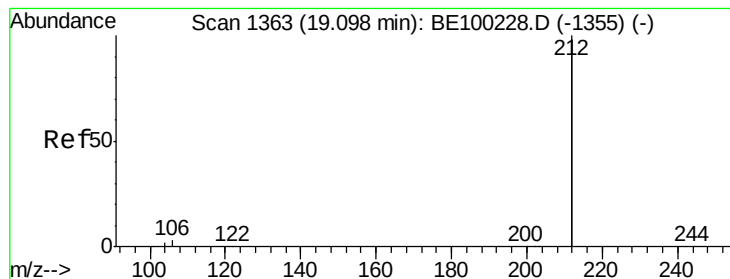
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 19.10 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

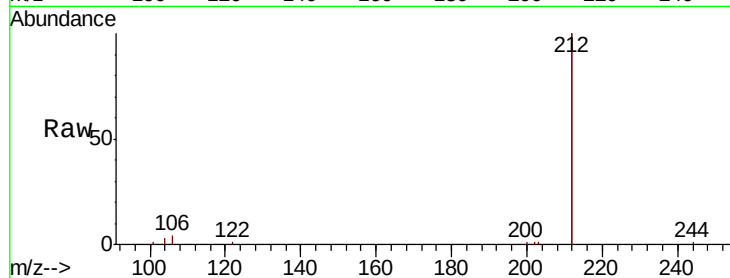
Tgt Ion:212 Resp: 21693

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

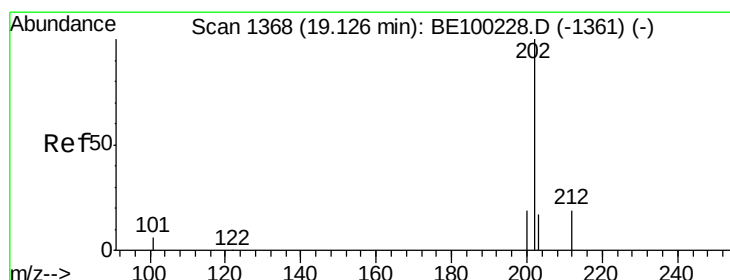
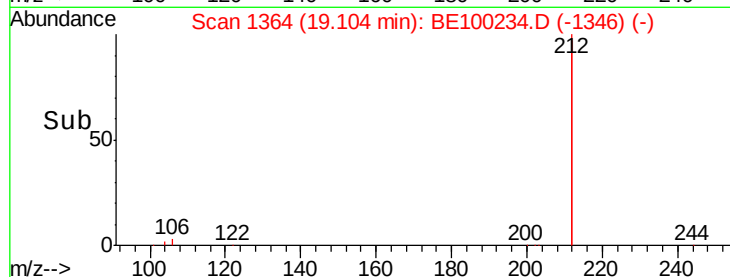
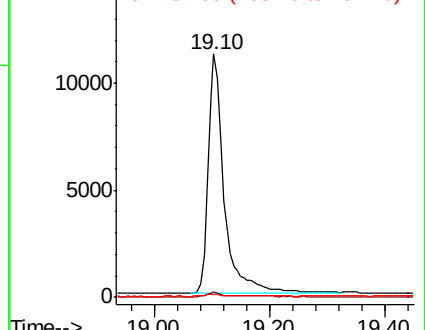
104 0.9 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.128 ng

RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

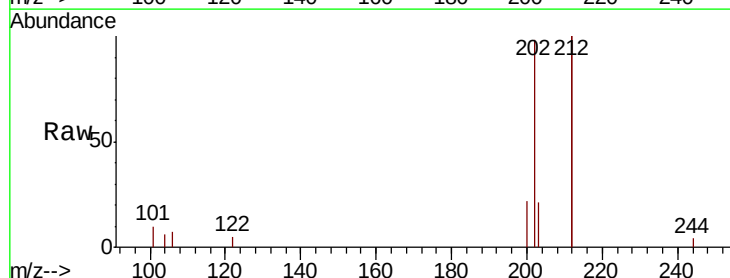
Tgt Ion:202 Resp: 1887

Ion Ratio Lower Upper

202 100

101 5.8 4.6 7.0

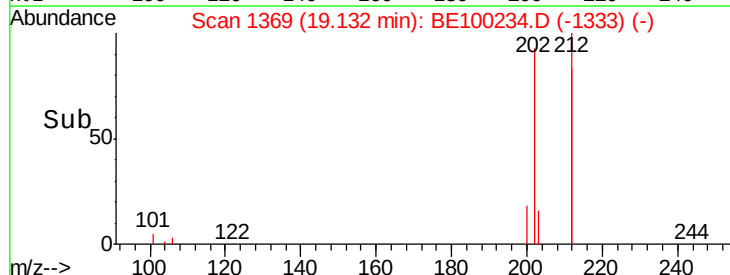
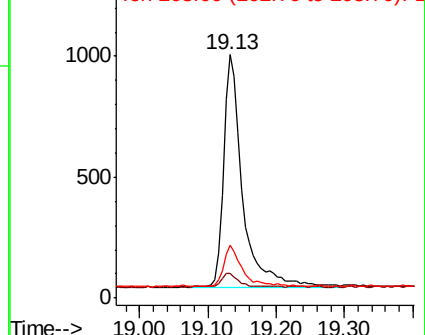
203 17.2 13.7 20.5

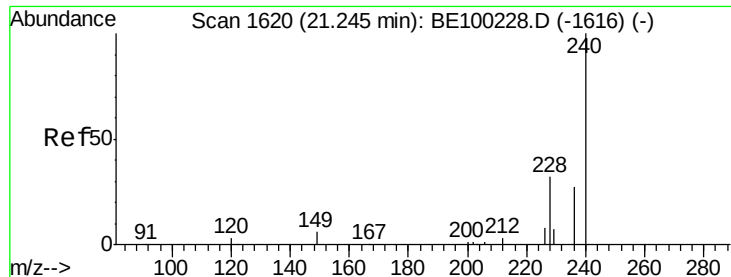


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

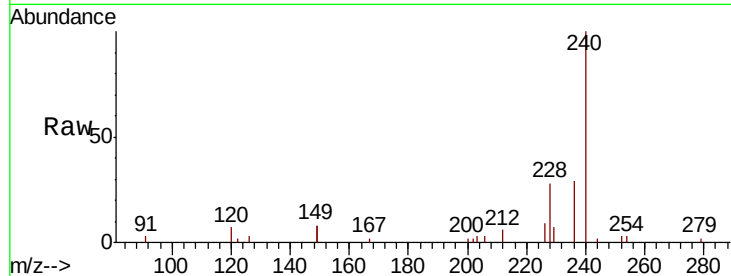




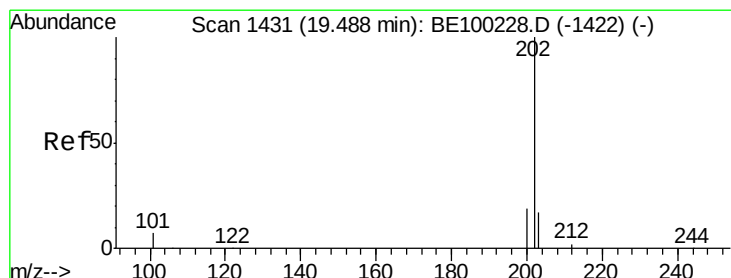
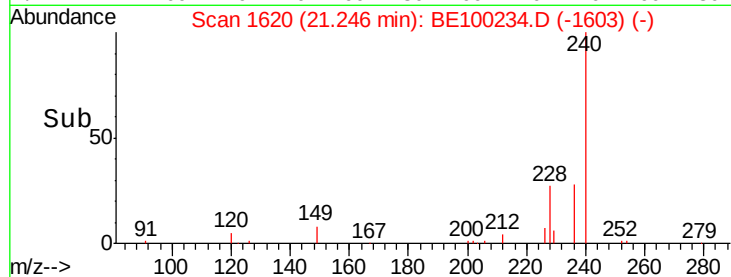
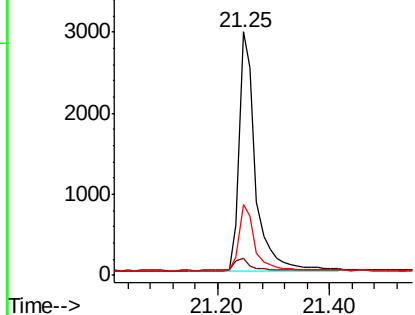
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:240 Resp: 6050
 Ion Ratio Lower Upper
 240 100
 120 7.0 3.3 4.9#
 236 29.0 22.6 34.0

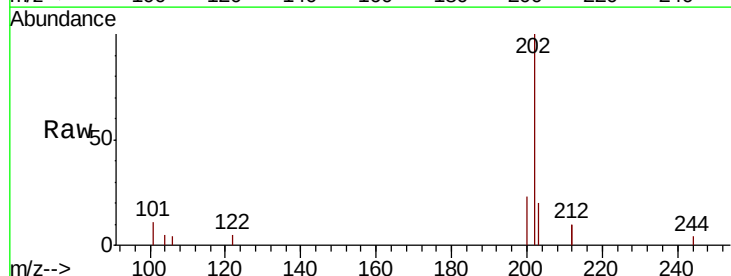


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

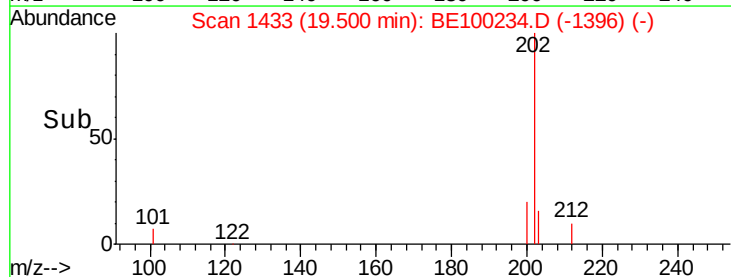
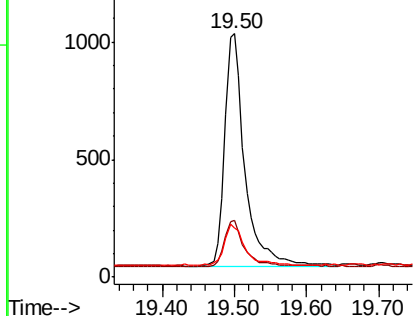


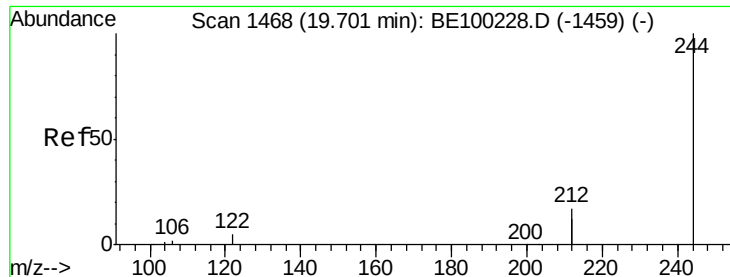
#28
 Pyrene
 Concen: 0.120 ng
 RT: 19.50 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BE100234.D
 Acq: 28 Jun 2019 14:48

Tgt Ion:202 Resp: 1925
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.6 23.4
 203 18.6 14.0 21.0



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: 0.384 ng

RT: 19.71 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

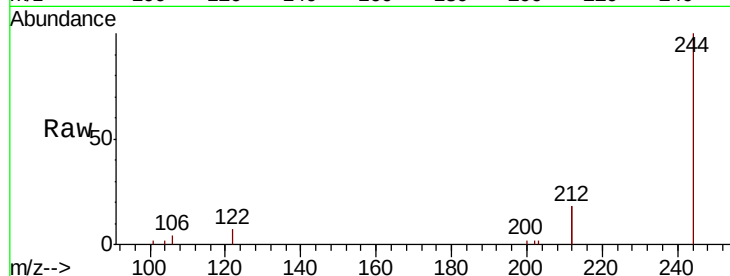
Tgt Ion:244 Resp: 4814

Ion Ratio Lower Upper

244 100

212 36.9 27.3 40.9

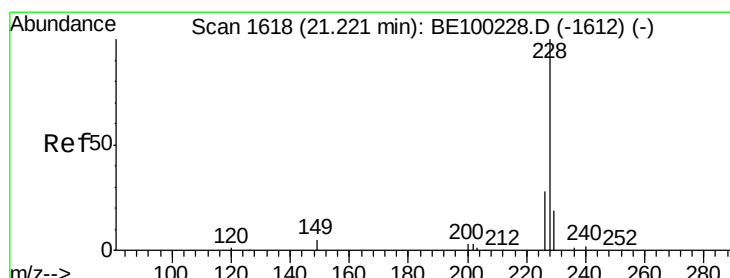
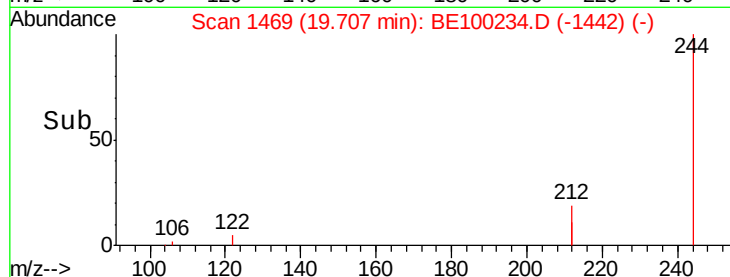
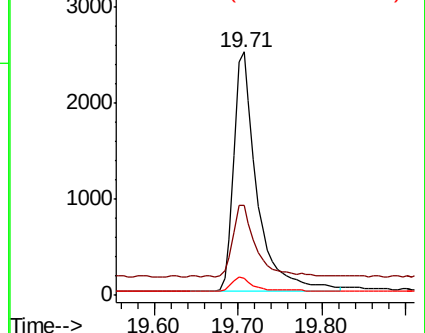
122 6.9 4.7 7.1



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: 0.112 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

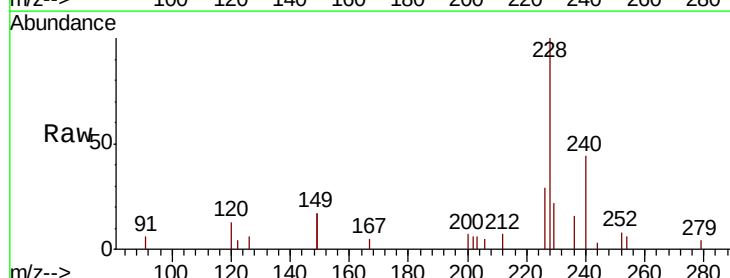
Tgt Ion:228 Resp: 2222

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

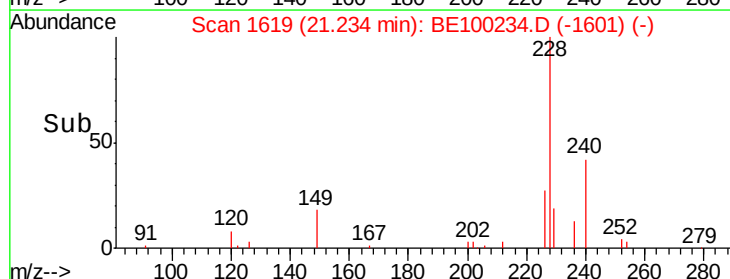
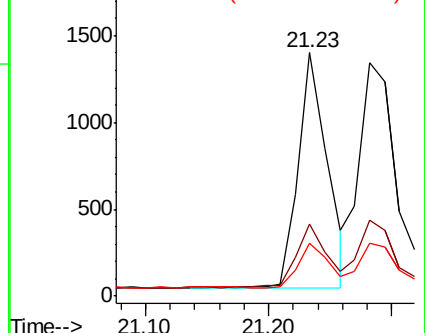
229 22.0 15.7 23.5

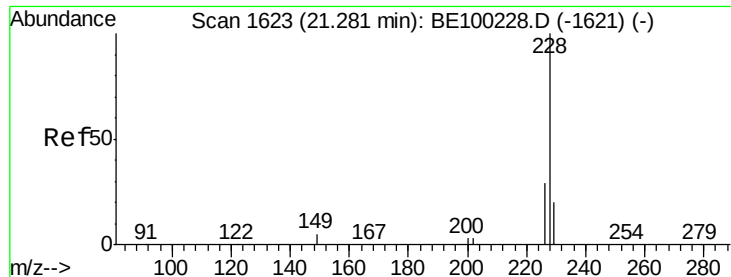


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.133 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

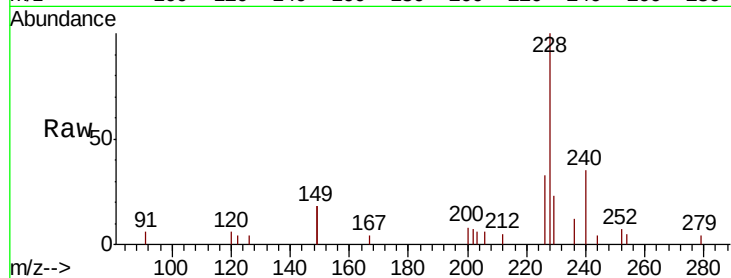
Tgt Ion:228 Resp: 2656

Ion Ratio Lower Upper

228 100

226 32.6 23.9 35.9

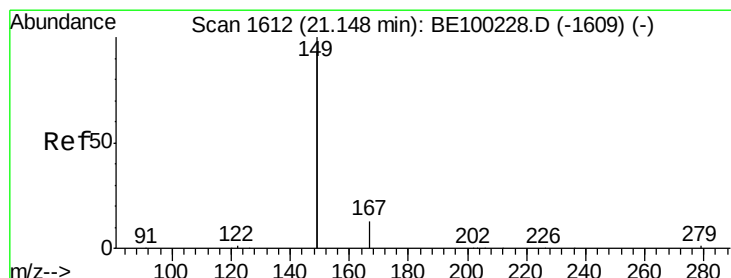
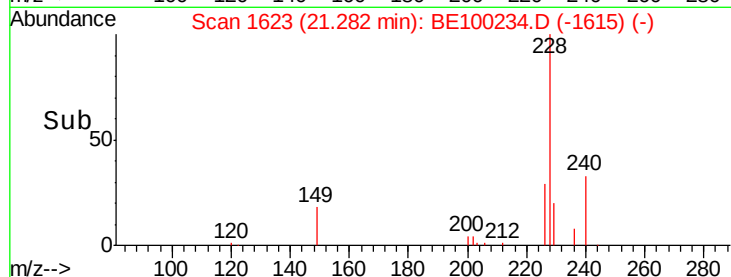
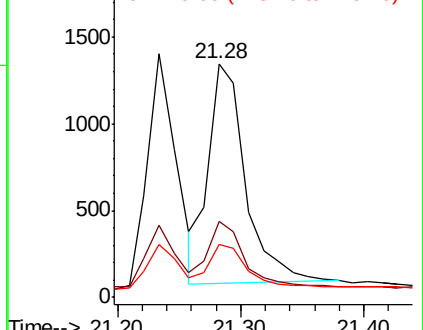
229 22.8 16.5 24.7



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: 0.075 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

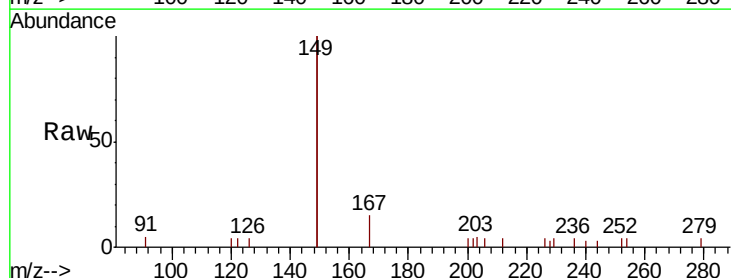
Tgt Ion:149 Resp: 3719

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.8

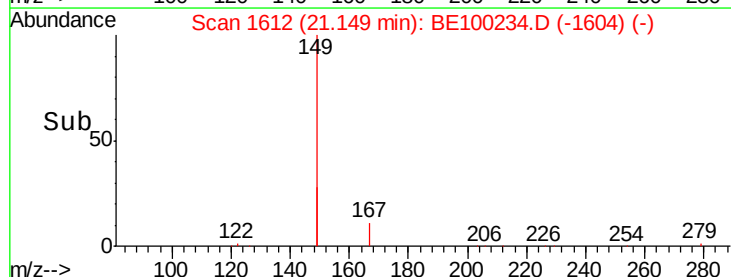
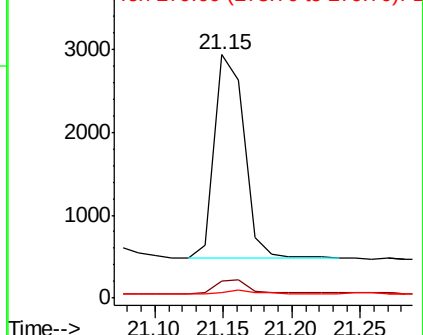
279 1.9 1.1 1.7#

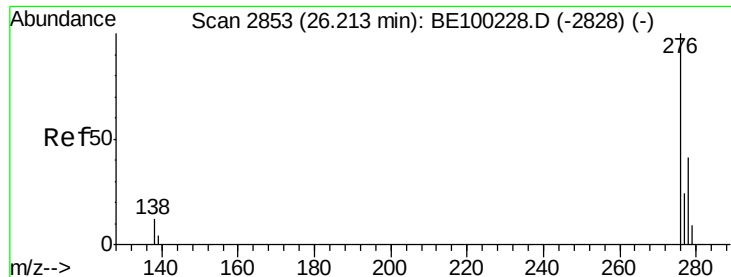


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.120 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

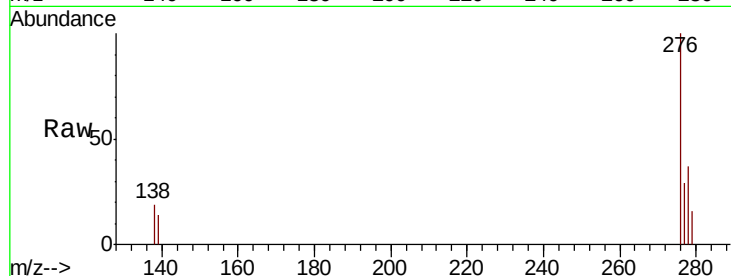
Tgt Ion:276 Resp: 3176

Ion Ratio Lower Upper

276 100

138 14.2 9.4 14.0#

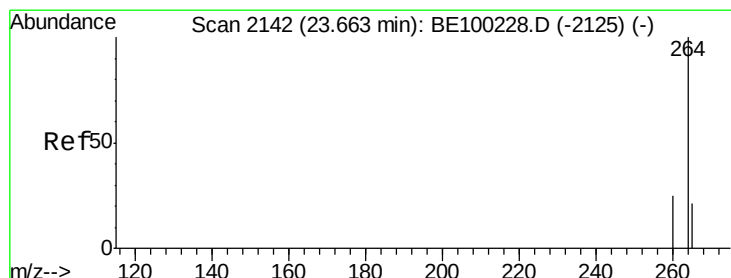
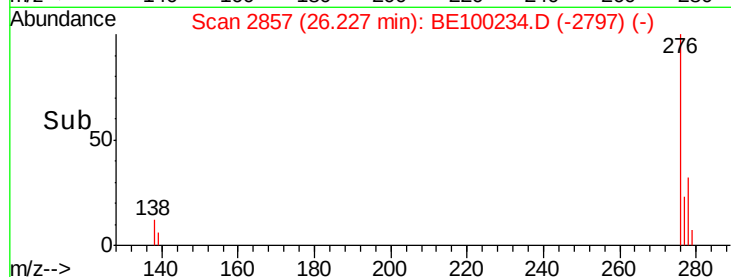
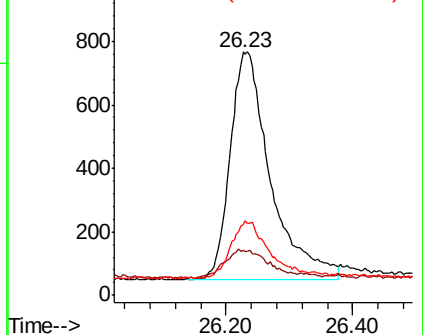
277 23.6 19.2 28.8



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: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

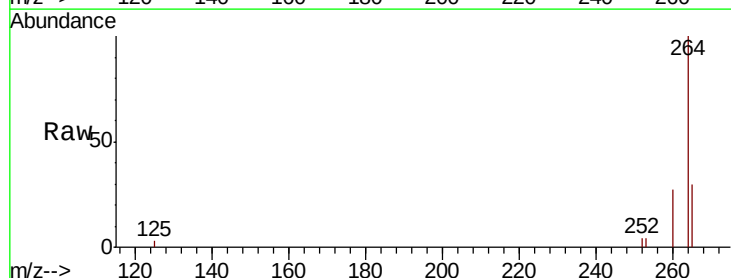
Tgt Ion:264 Resp: 7449

Ion Ratio Lower Upper

264 100

260 26.6 20.8 31.2

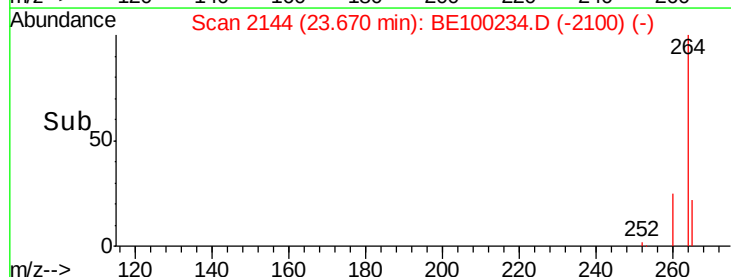
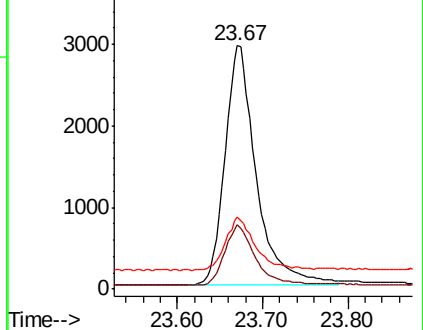
265 29.6 21.8 32.6

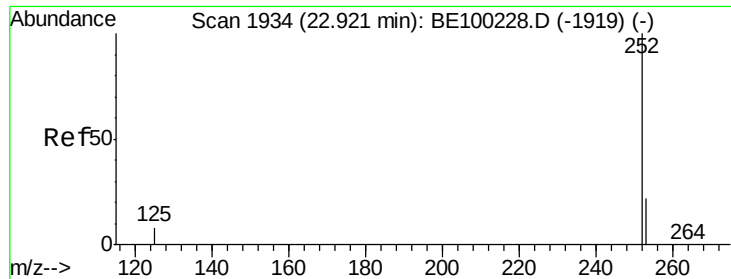


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.120 ng

RT: 22.93 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

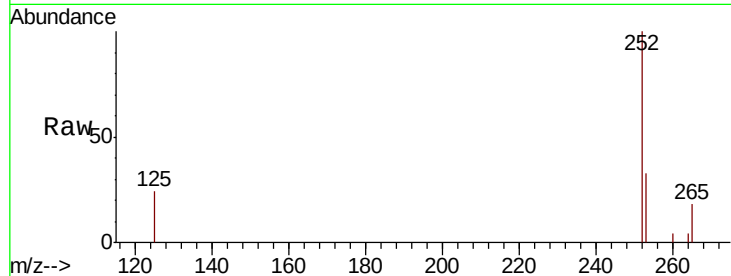
Tgt Ion:252 Resp: 2433

Ion Ratio Lower Upper

252 100

253 32.7 19.2 28.8#

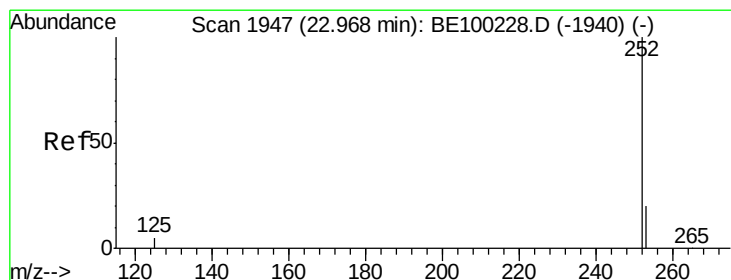
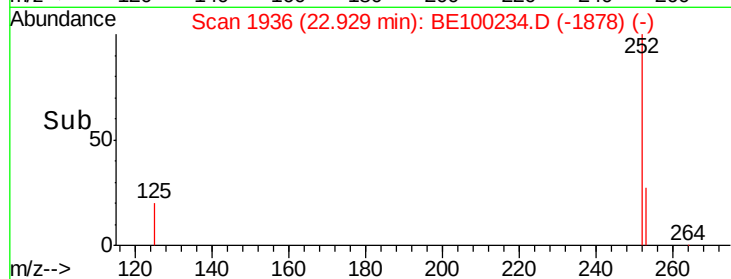
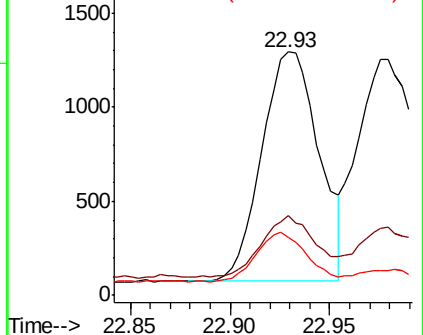
125 24.0 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.124 ng

RT: 22.98 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

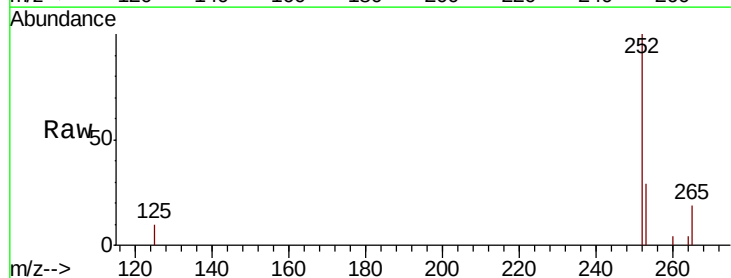
Tgt Ion:252 Resp: 2801

Ion Ratio Lower Upper

252 100

253 28.9 17.9 26.9#

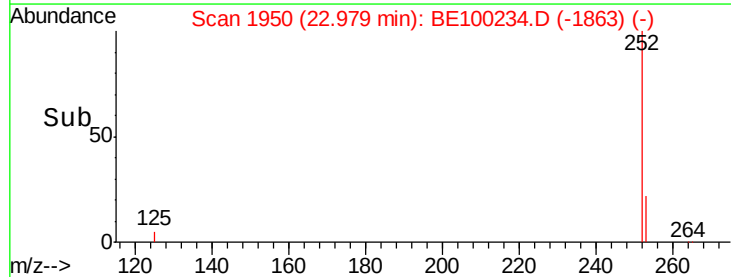
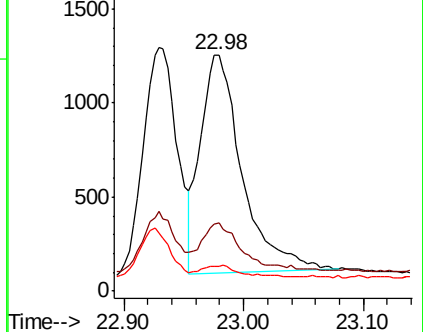
125 10.4 5.0 7.4#

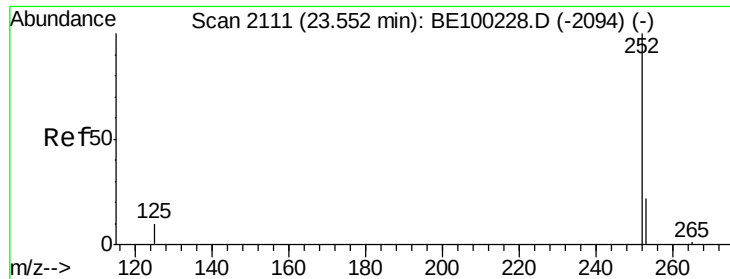


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.134 ng

RT: 23.56 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

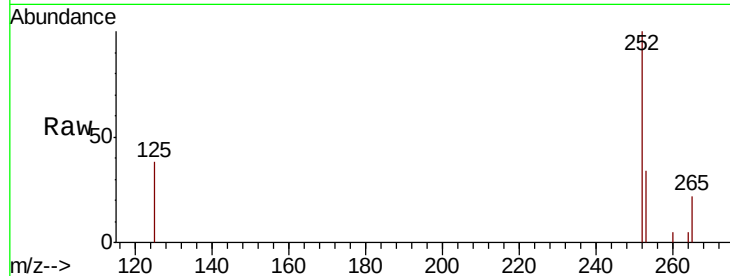
Tgt Ion: 252 Resp: 2714

Ion Ratio Lower Upper

252 100

253 33.6 19.6 29.4#

125 37.9 9.0 13.6#

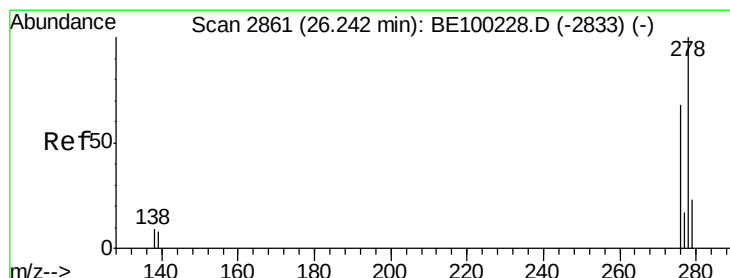
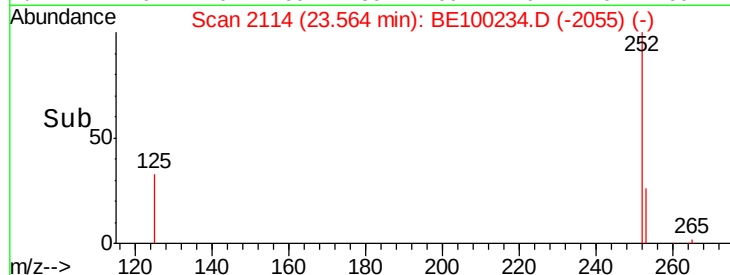
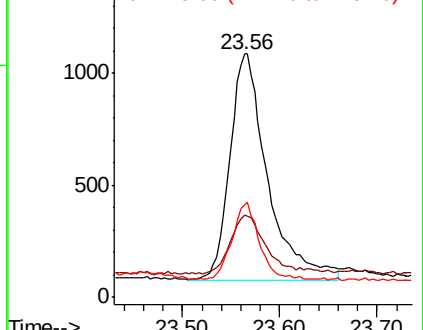


Abundance

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: 0.118 ng

RT: 26.26 min Scan# 2867

Delta R.T. 0.02 min

Lab File: BE100234.D

Acq: 28 Jun 2019 14:48

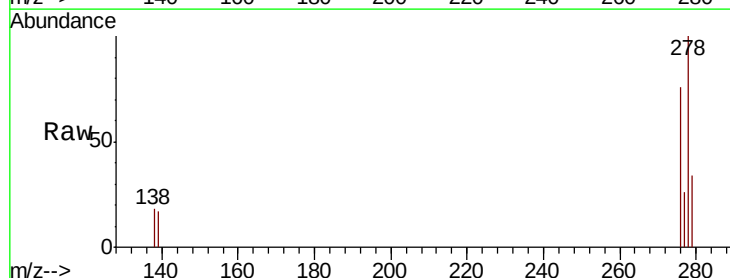
Tgt Ion: 278 Resp: 2492

Ion Ratio Lower Upper

278 100

139 16.7 8.2 12.2#

279 33.7 20.3 30.5#

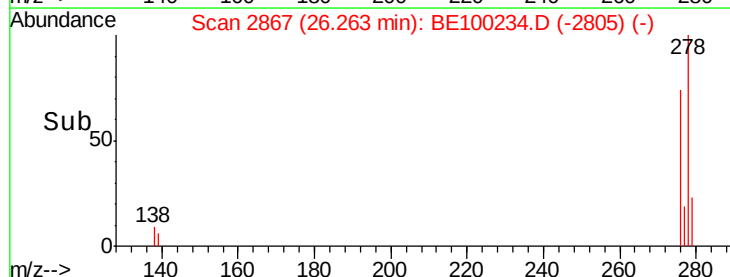
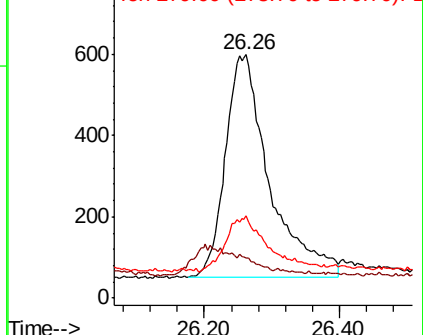


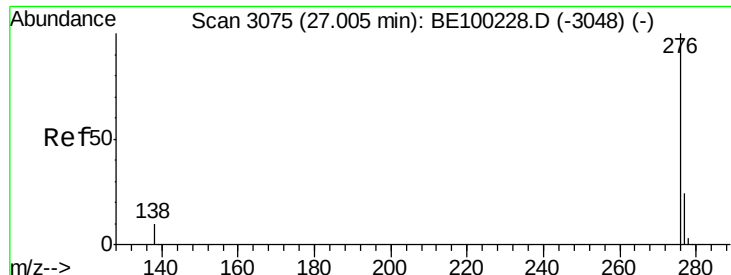
Abundance

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: 0.123 ng

RT: 27.01 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BE100234.D

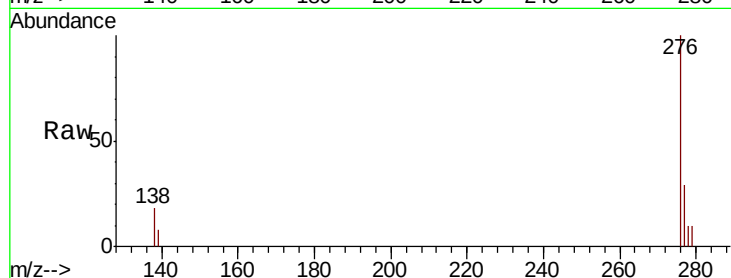
Acq: 28 Jun 2019 14:48

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



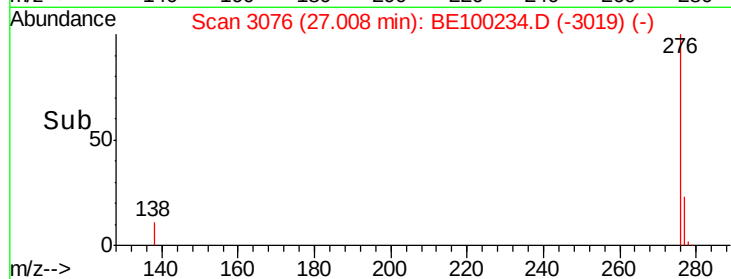
Tgt Ion: 276 Resp: 2672

Ion Ratio Lower Upper

276 100

277 29.2 20.2 30.2

138 18.1 9.0 13.6#



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

