

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061119\
 Data File : BE099929.D
 Acq On : 11 Jun 2019 18:09
 Operator : JU/SJ
 Sample : K2241-01
 Misc : LOD-SOIL-0.1PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 12 03:44:26 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	680	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	2382	0.40	ng	0.00
13) Acenaphthene-d10	14.44	164	2019	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	6694	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	7866	0.40	ng	-0.04
34) Perylene-d12	23.87	264	9115	0.40	ng	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	5.35	112	1591	0.87	ng	0.00
5) Phenol-d6	6.96	99	2010	0.85	ng	0.00
8) Nitrobenzene-d5	8.98	82	1412	0.63	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	1615	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	885	0.59	ng	-0.03
15) 2-Fluorobiphenyl	13.09	172	5151	0.67	ng	-0.01
25) Fluoranthene-d10	19.22	212	33856	0.35	ng	-0.03
29) Terphenyl-d14	19.82	244	13107	0.93	ng	-0.03

Target Compounds

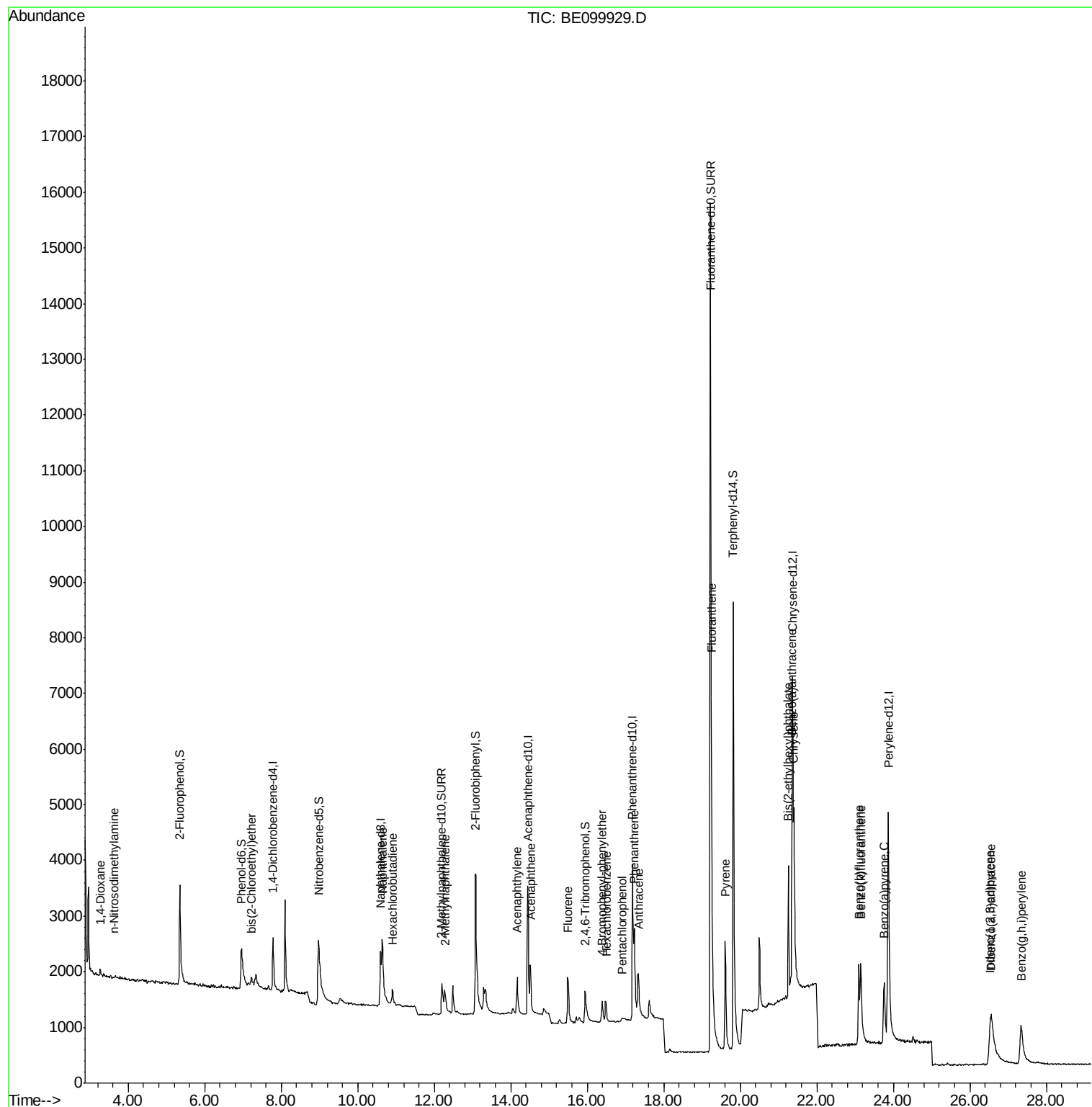
						Qvalue
2) 1,4-Dioxane	3.27	88	97	0.096	ng	89
3) n-Nitrosodimethylamine	3.62	42	21	0.036	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	216	0.112	ng	# 43
9) Naphthalene	10.64	128	3179	0.124	ng	# 91
10) Hexachlorobutadiene	10.90	225	246	0.125	ng	98
12) 2-Methylnaphthalene	12.28	142	494	0.118	ng	# 93
16) Acenaphthylene	14.17	152	1108	0.110	ng	98
17) Acenaphthene	14.51	154	604	0.110	ng	98
18) Fluorene	15.49	166	897	0.109	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	409	0.108	ng	# 91
21) Hexachlorobenzene	16.49	284	455	0.117	ng	96
22) Pentachlorophenol	16.91	266	94	0.350	ng	98
23) Phenanthrene	17.23	178	1781	0.110	ng	99
24) Anthracene	17.33	178	1246	0.084	ng	97
26) Fluoranthene	19.25	202	2894	0.105	ng	98
28) Pyrene	19.61	202	2887	0.140	ng	98
30) Benzo(a)anthracene	21.35	228	2433	0.103	ng	96
31) Chrysene	21.40	228	3191	0.131	ng	98
32) Bis(2-ethylhexyl)phthalate	21.26	149	3445	0.102	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.53	276	3136	0.109	ng	# 87
35) Benzo(b)fluoranthene	23.10	252	2643	0.103	ng	# 84
36) Benzo(k)fluoranthene	23.15	252	3310	0.124	ng	# 85
37) Benzo(a)pyrene	23.76	252	2825	0.112	ng	# 80
38) Dibenzo(a,h)anthracene	26.56	278	746	0.029	ng	# 67
39) Benzo(g,h,i)perylene	27.34	276	2858	0.109	ng	# 84

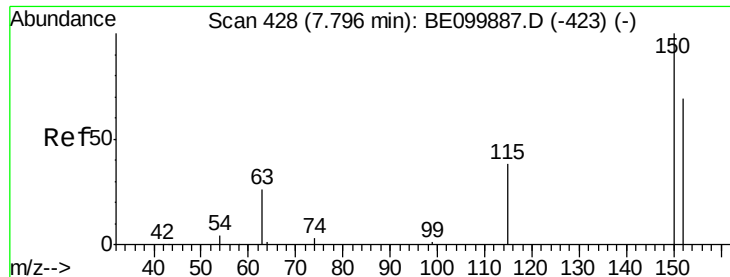
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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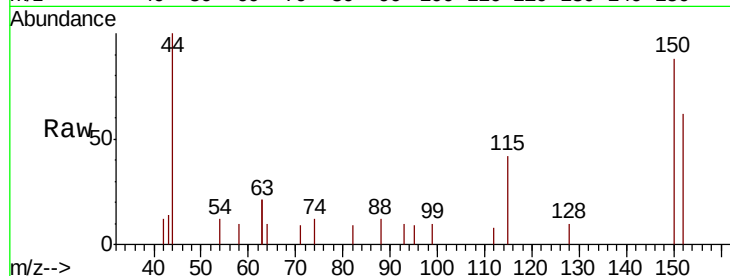


#1

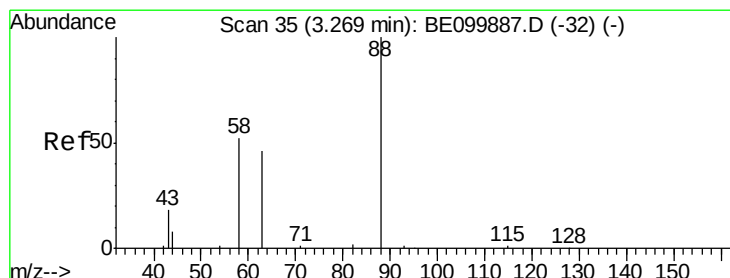
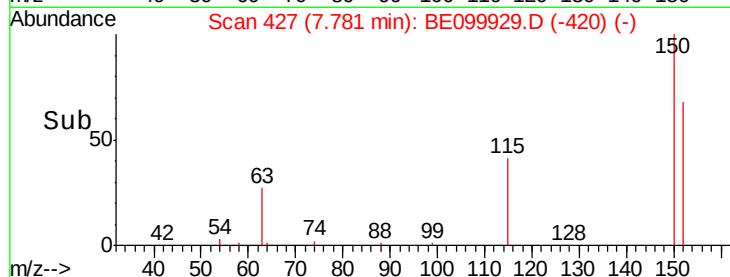
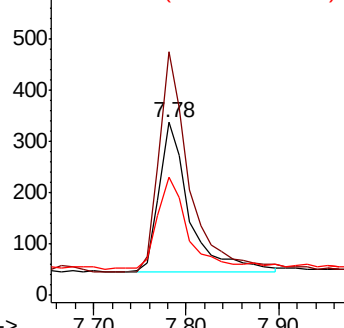
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.78 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BE099929.D
 Acq: 11 Jun 2019 18:09

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

Tgt Ion: 152 Resp: 680
 Ion Ratio Lower Upper
 152 100
 150 140.8 111.0 166.6
 115 68.0 50.7 76.1



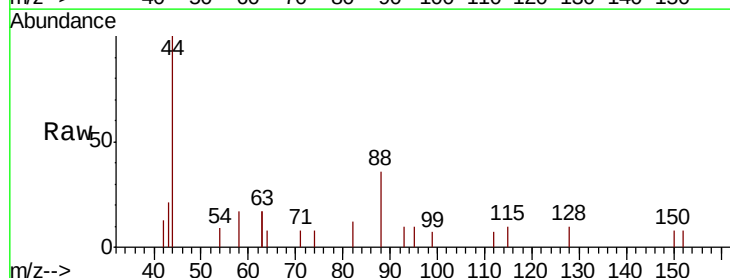
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



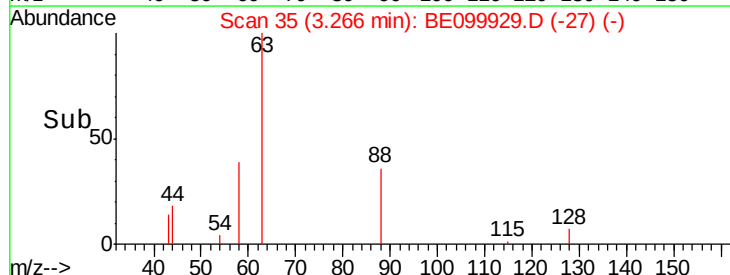
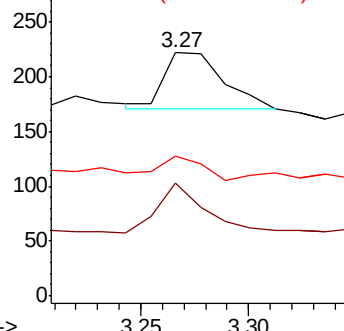
#2

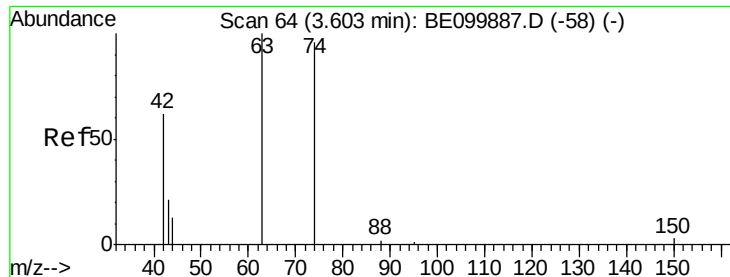
1,4-Dioxane
 Concen: 0.096 ng
 RT: 3.27 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: BE099929.D
 Acq: 11 Jun 2019 18:09

Tgt Ion: 88 Resp: 97
 Ion Ratio Lower Upper
 88 100
 58 70.1 48.8 73.2
 43 19.6 19.0 28.6



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





#3

n-Nitrosodimethylamine

Concen: 0.036 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.02 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

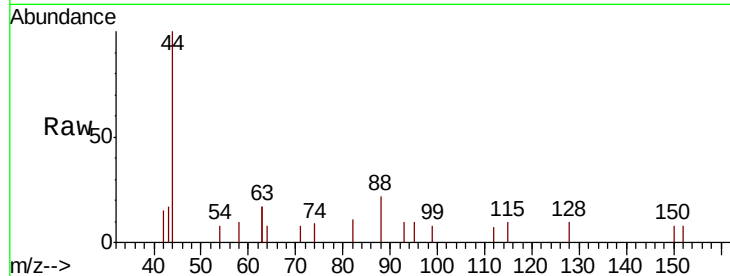
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

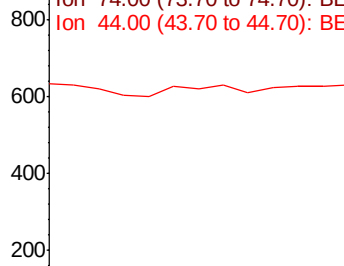
42 100

74 0.0 0.0 0.0

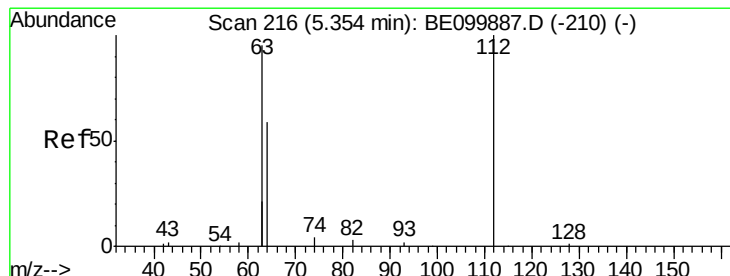
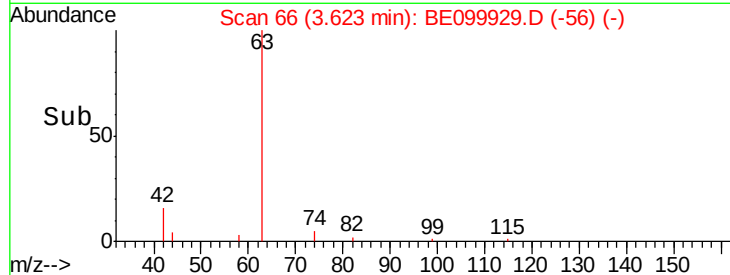
44 281.0 0.0 0.0#



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



Time-->



#4

2-Fluorophenol

Concen: 0.867 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

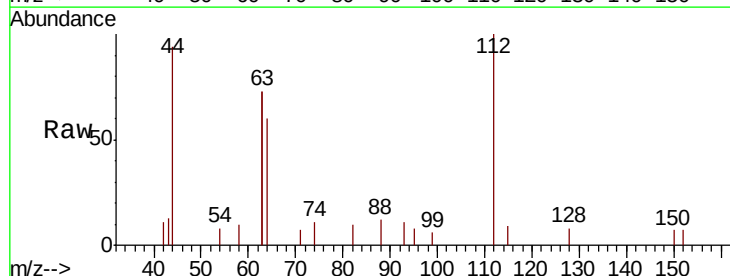
Tgt Ion: 112 Resp: 1591

Ion Ratio Lower Upper

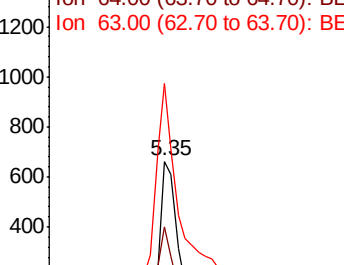
112 100

64 53.2 44.1 66.1

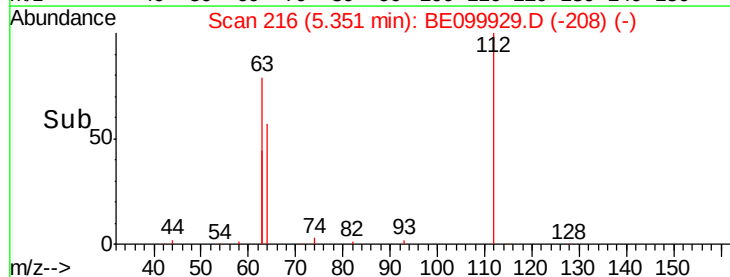
63 123.3 87.8 131.6

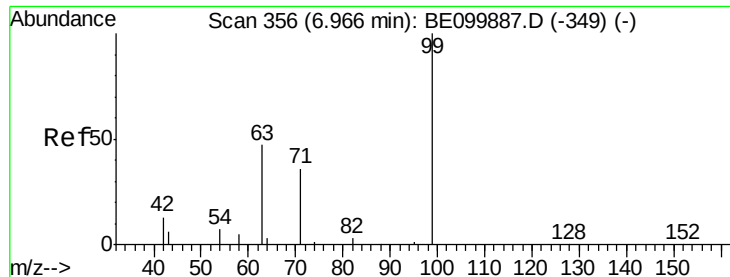


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.850 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

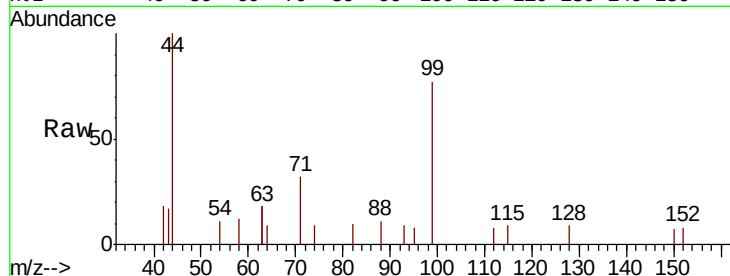
Tgt Ion: 99 Resp: 2010

Ion Ratio Lower Upper

99 100

42 11.9 15.9 23.9#

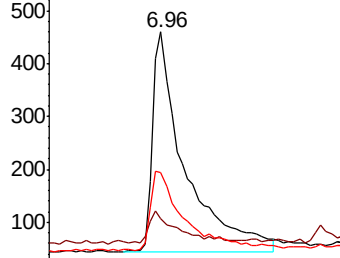
71 37.8 34.6 52.0



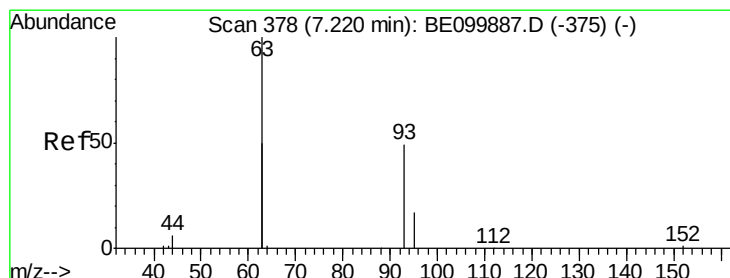
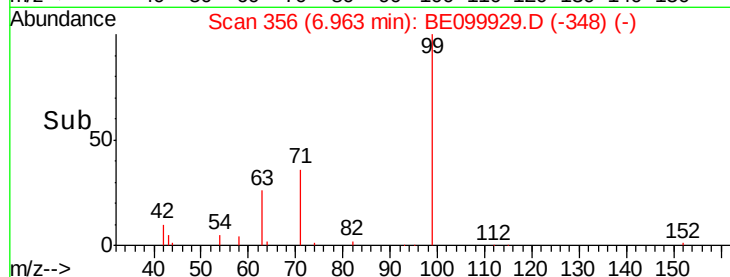
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.112 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

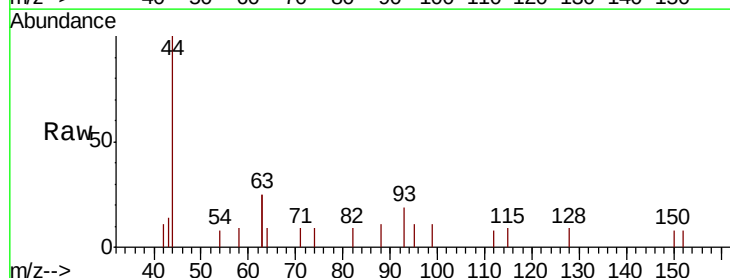
Tgt Ion: 93 Resp: 216

Ion Ratio Lower Upper

93 100

63 142.6 202.8 304.2#

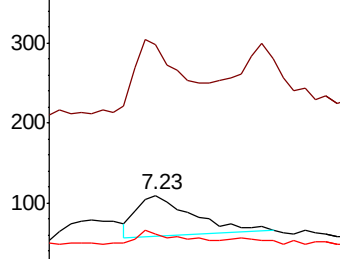
95 25.5 23.7 35.5



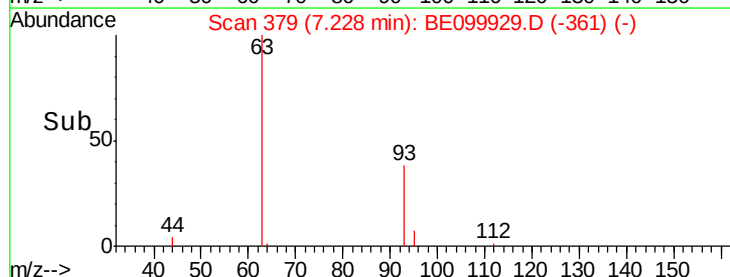
Abundance Ion 93.00 (92.70 to 93.70): BE0

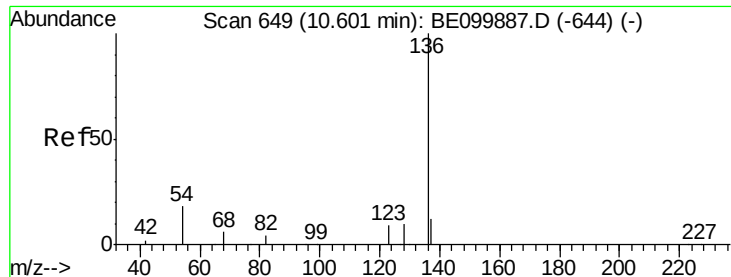
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 136 Resp: 2382

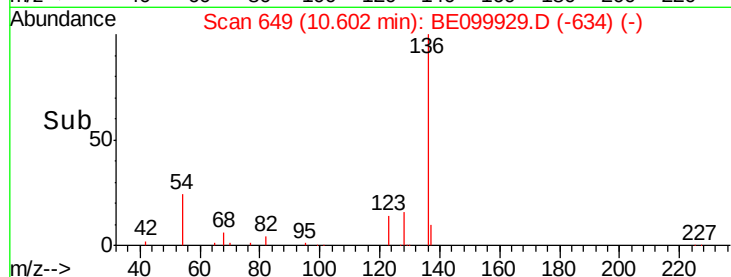
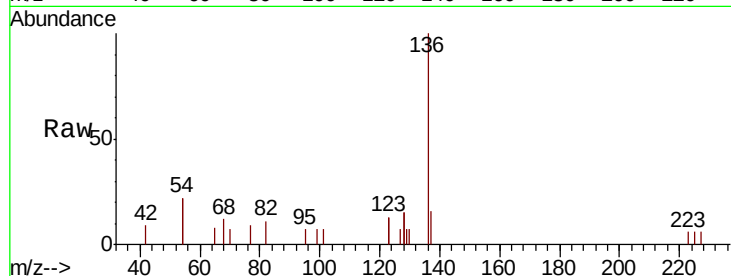
Ion Ratio Lower Upper

136 100

137 15.8 12.3 18.5

54 44.9 28.2 42.4#

68 12.1 7.8 11.8#

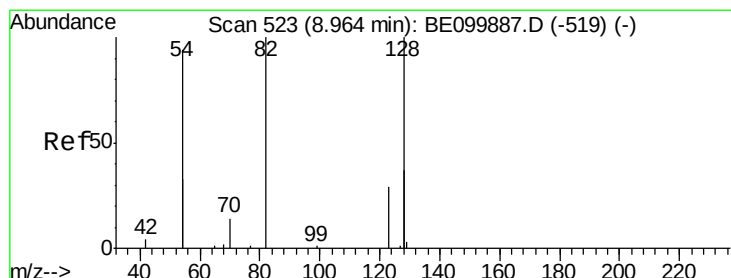
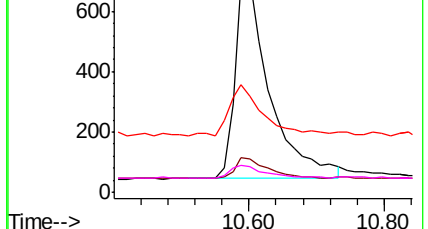


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.626 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

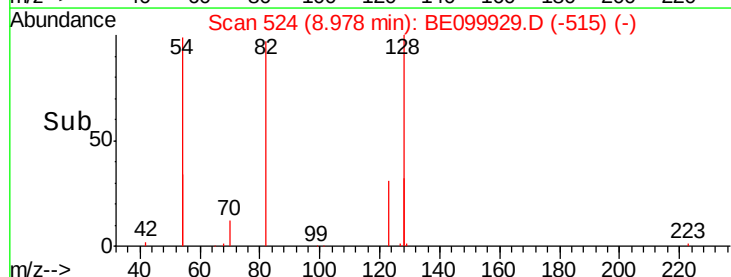
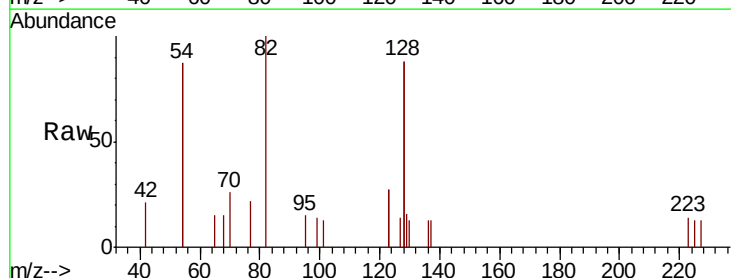
Tgt Ion: 82 Resp: 1412

Ion Ratio Lower Upper

82 100

128 176.0 137.3 205.9

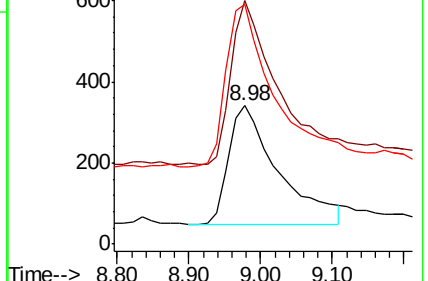
54 173.6 129.7 194.5

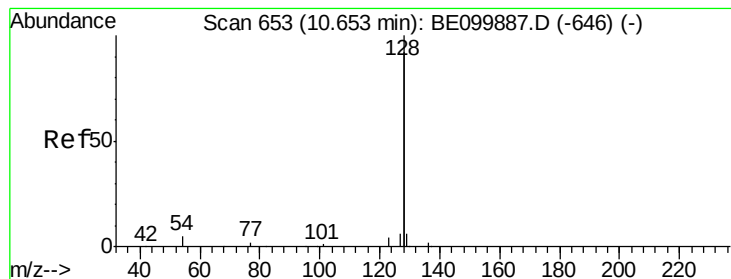


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.124 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

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ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

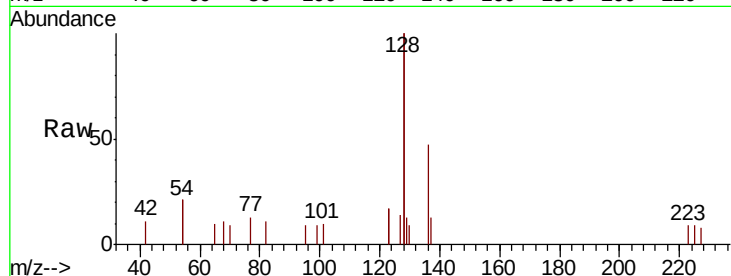
Tgt Ion:128 Resp: 3179

Ion Ratio Lower Upper

128 100

129 6.5 3.0 4.6#

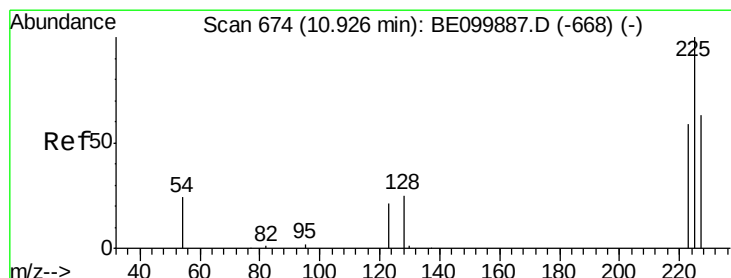
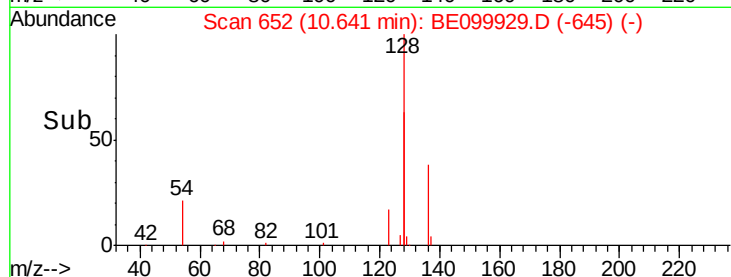
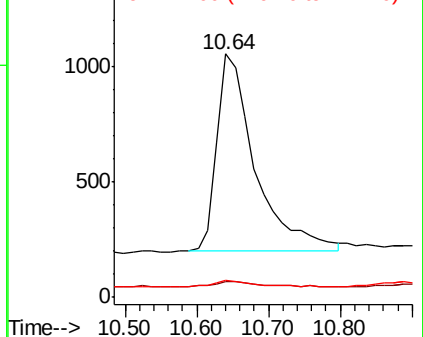
127 7.2 3.4 5.0#



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: 0.125 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

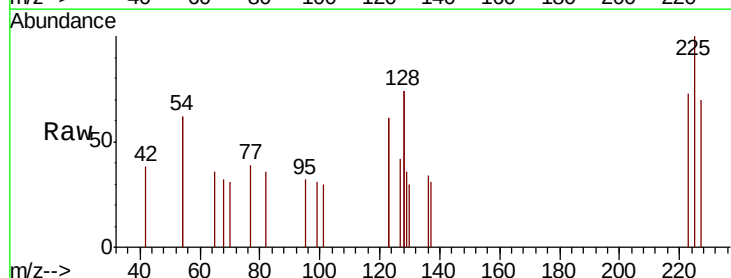
Tgt Ion:225 Resp: 246

Ion Ratio Lower Upper

225 100

223 65.0 51.6 77.4

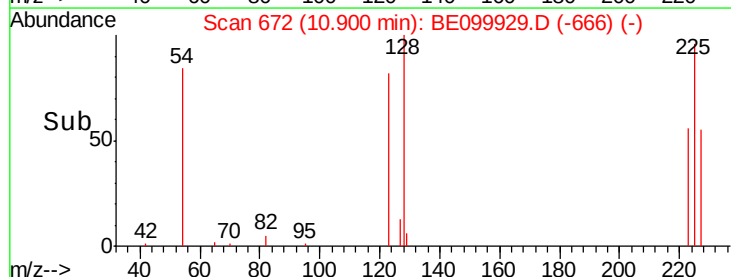
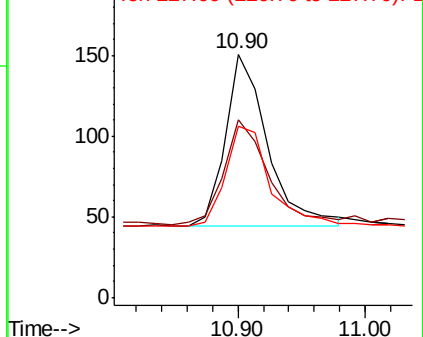
227 61.0 50.6 76.0

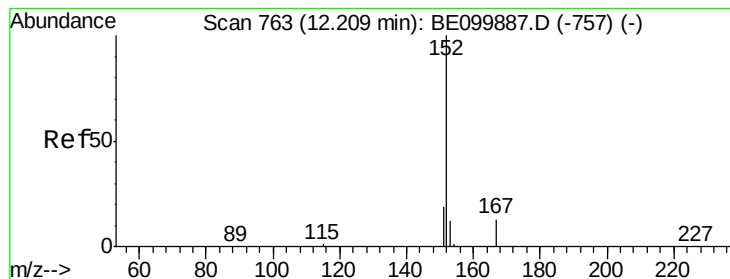


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.389 ng

RT: 12.20 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

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ClientSampleId :

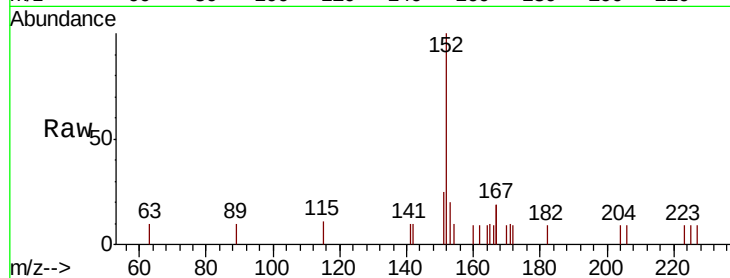
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 1615

Ion Ratio Lower Upper

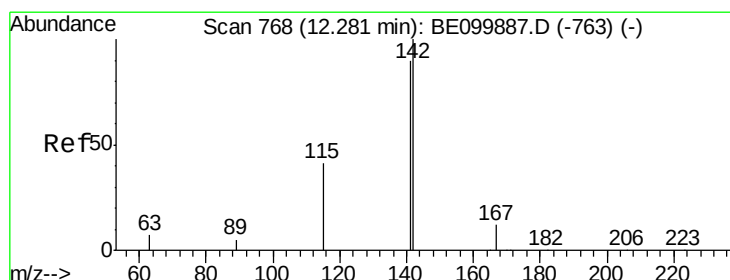
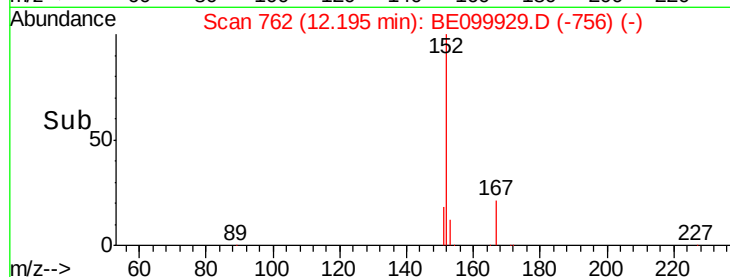
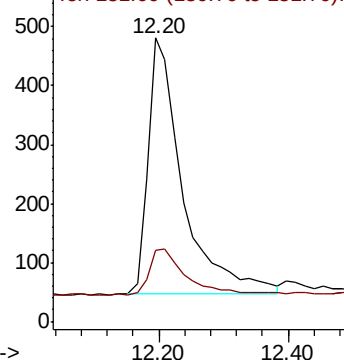
152 100

151 19.4 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.118 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

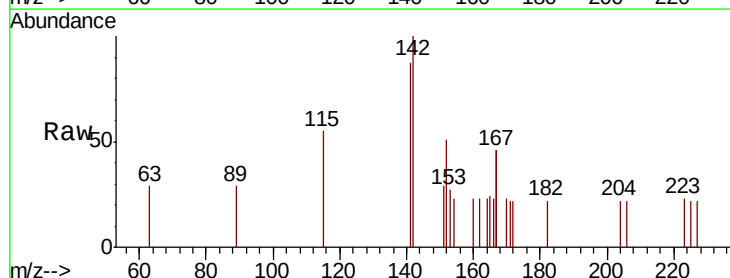
Tgt Ion:142 Resp: 494

Ion Ratio Lower Upper

142 100

141 87.4 72.3 108.5

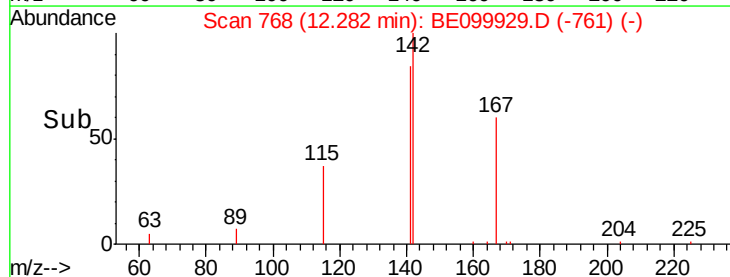
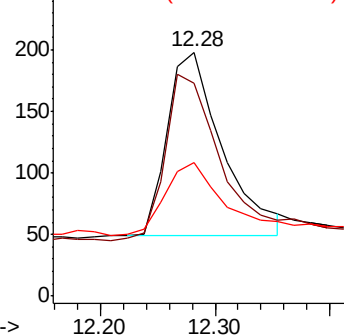
115 55.1 36.4 54.6#

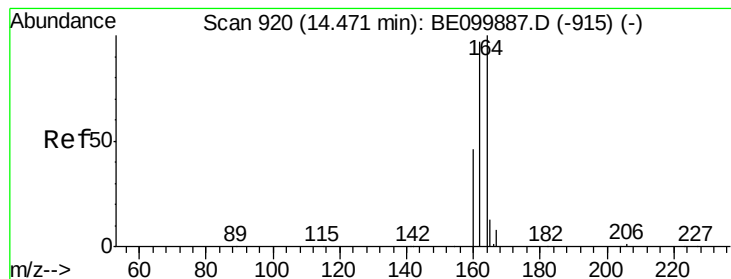


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.44 min Scan# 918

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

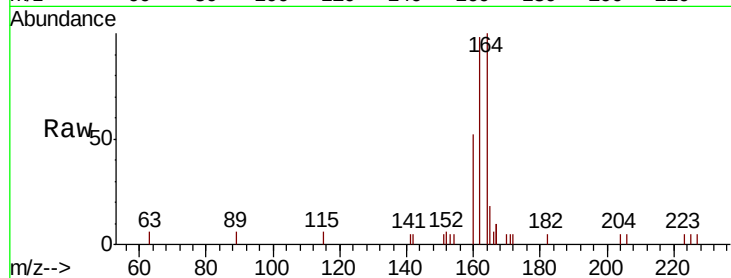
Tgt Ion:164 Resp: 2019

Ion Ratio Lower Upper

164 100

162 97.9 77.8 116.8

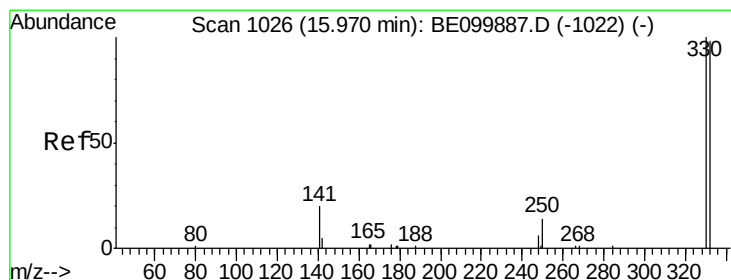
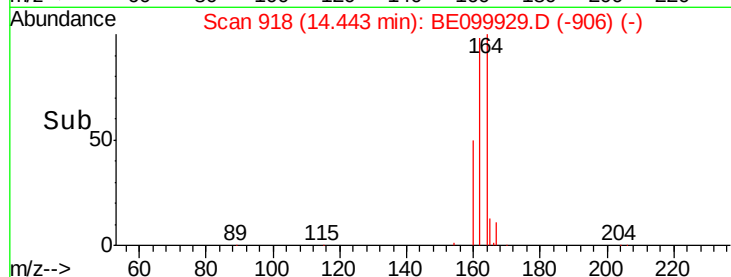
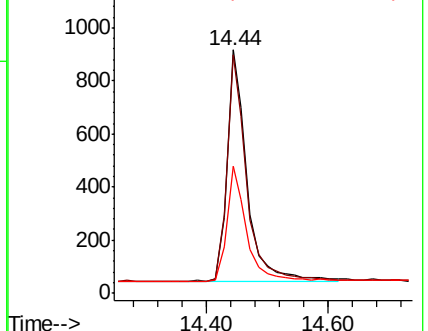
160 52.2 38.2 57.4



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: 0.593 ng

RT: 15.94 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

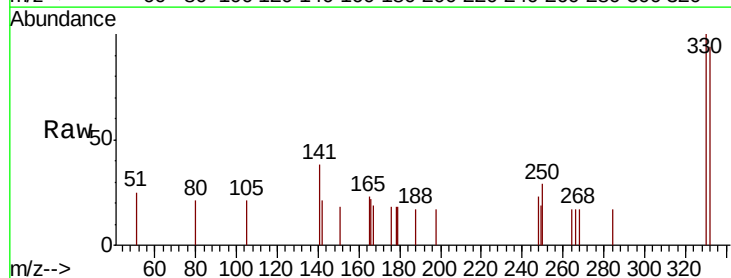
Tgt Ion:330 Resp: 885

Ion Ratio Lower Upper

330 100

332 99.7 76.7 115.1

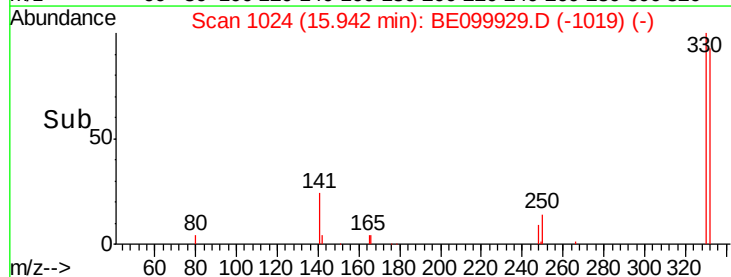
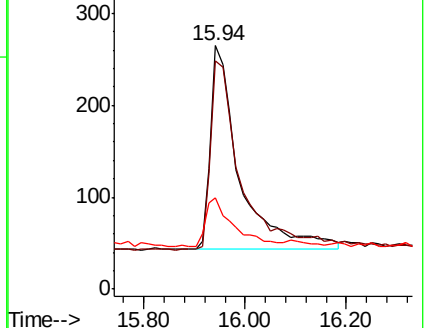
141 23.3 21.0 31.6

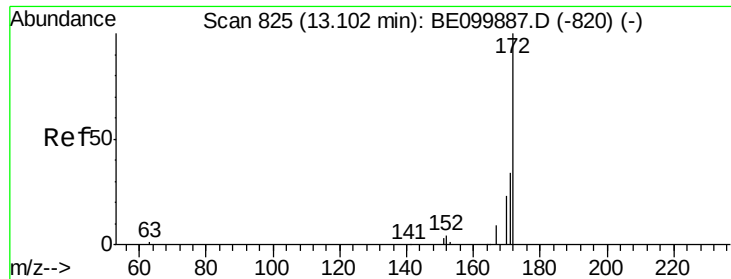


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

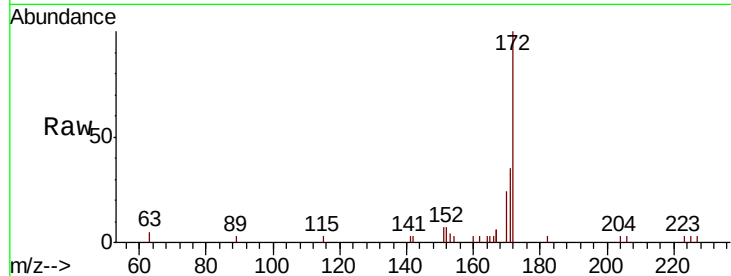




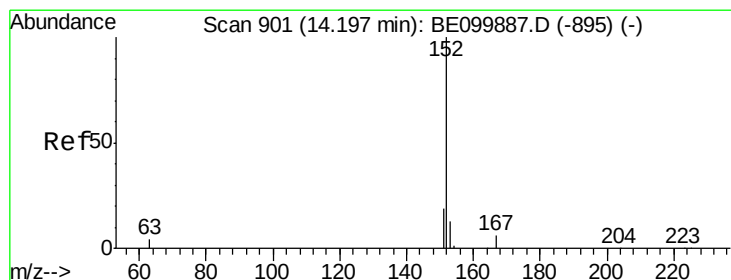
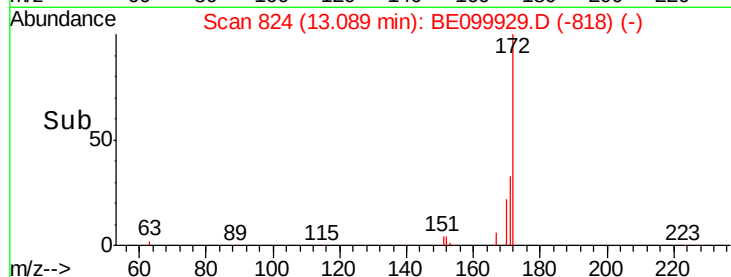
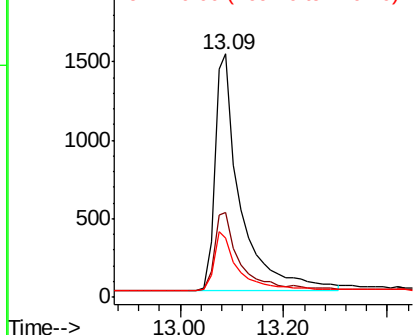
#15
2-Fluorobiphenyl
Concen: 0.673 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

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

Tgt Ion:172 Resp: 5151
Ion Ratio Lower Upper
172 100
171 35.1 29.2 43.8
170 24.3 21.2 31.8

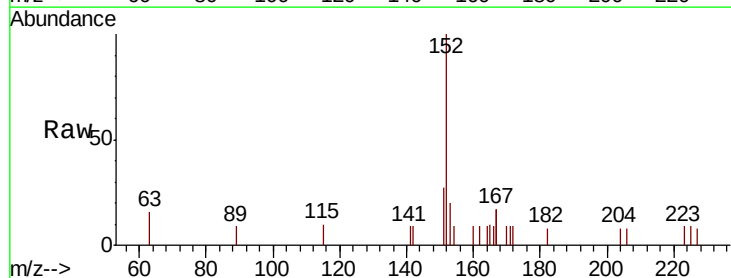


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

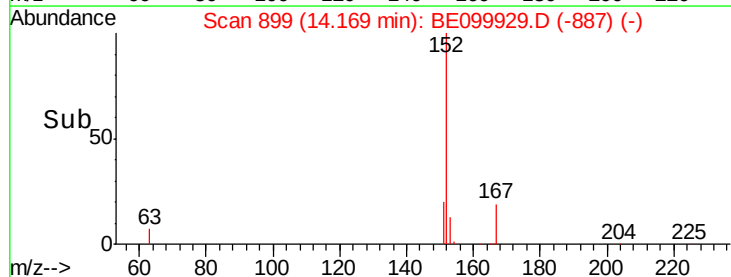
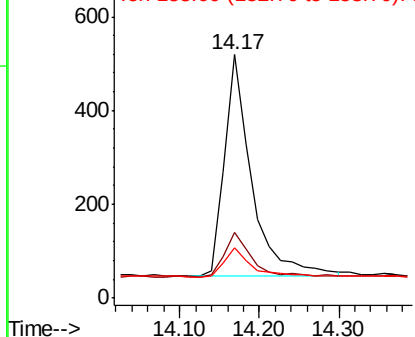


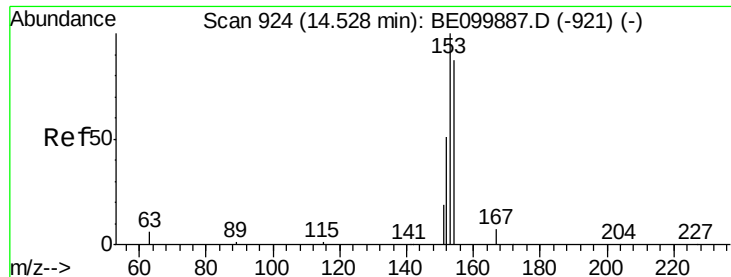
#16
Acenaphthylene
Concen: 0.110 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.03 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

Tgt Ion:152 Resp: 1108
Ion Ratio Lower Upper
152 100
151 19.9 15.5 23.3
153 13.6 10.2 15.2



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

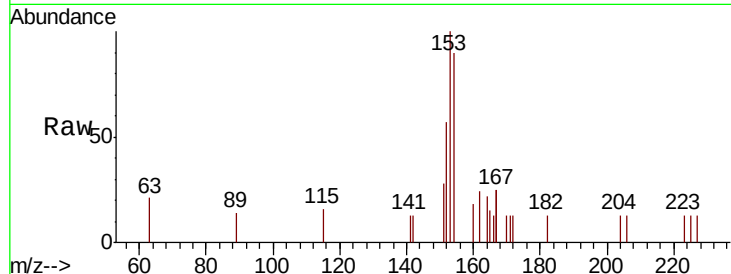




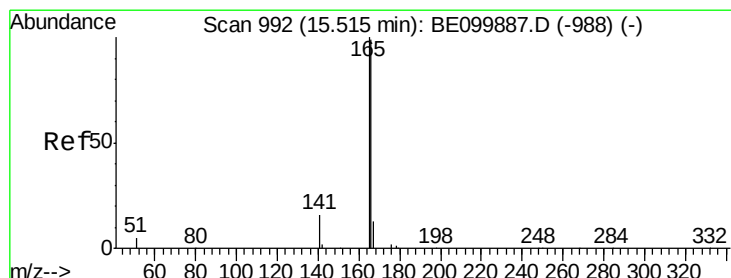
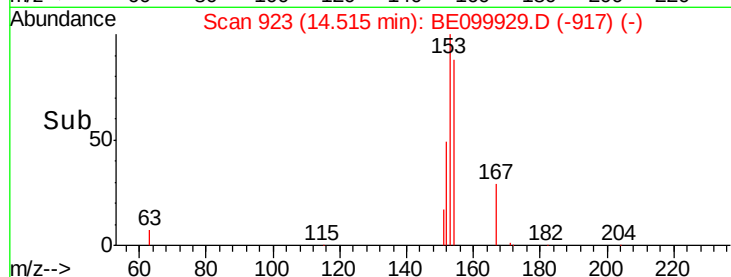
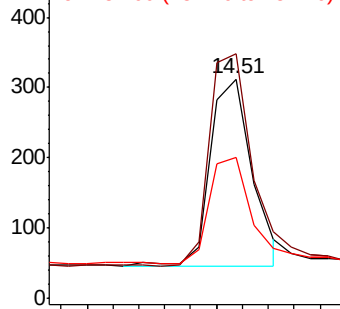
#17
Acenaphthene
Concen: 0.110 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

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

Tgt Ion:154 Resp: 604
Ion Ratio Lower Upper
154 100
153 114.9 93.1 139.7
152 55.5 47.0 70.4

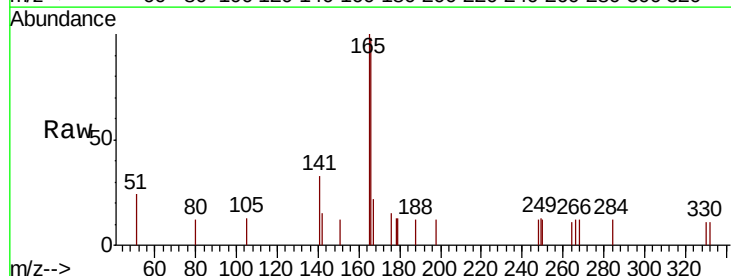


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

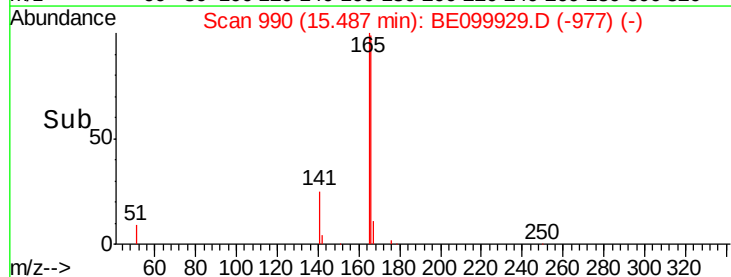
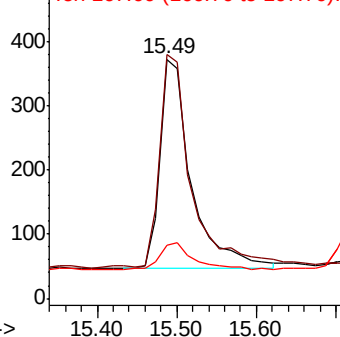


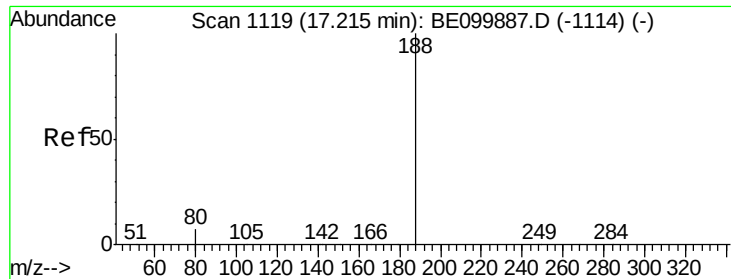
#18
Fluorene
Concen: 0.109 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

Tgt Ion:166 Resp: 897
Ion Ratio Lower Upper
166 100
165 104.5 81.8 122.8
167 13.2 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

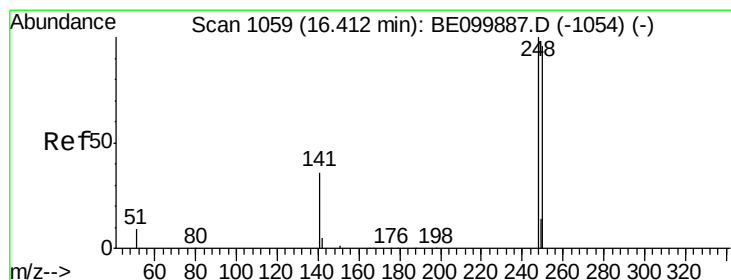
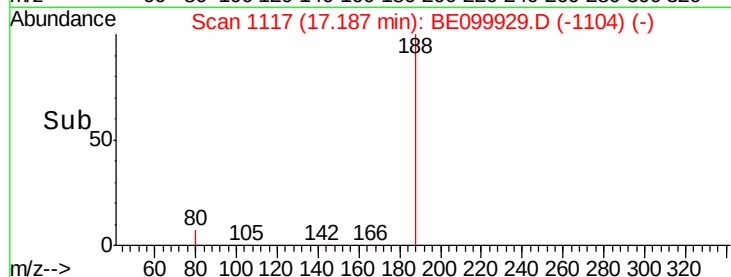
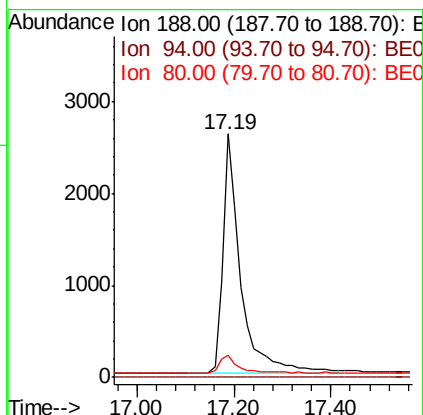
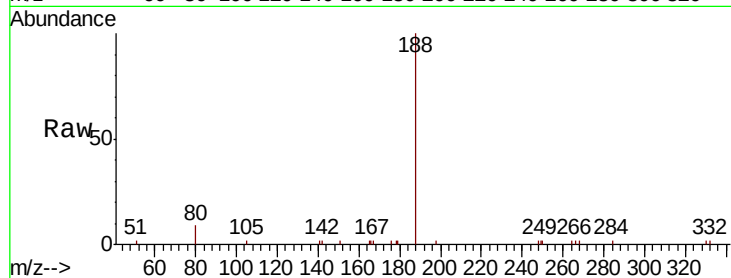




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

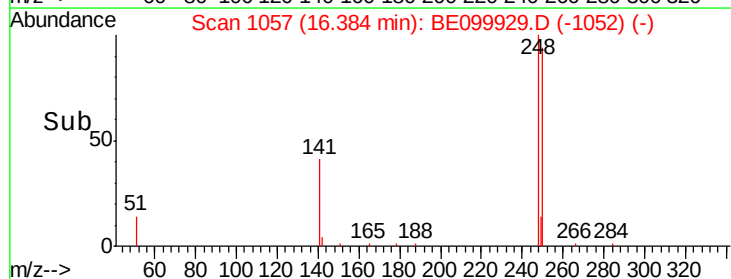
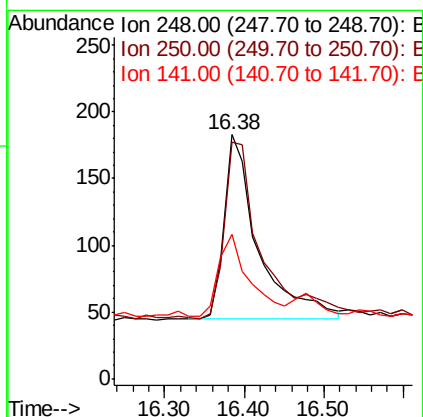
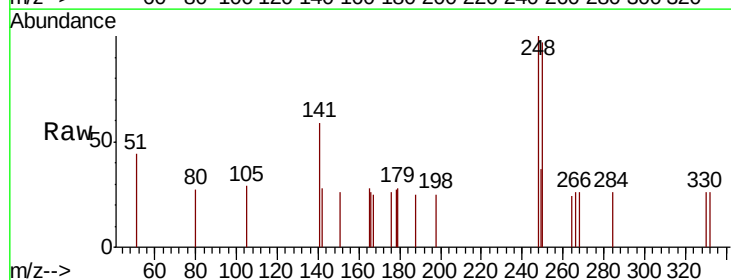
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

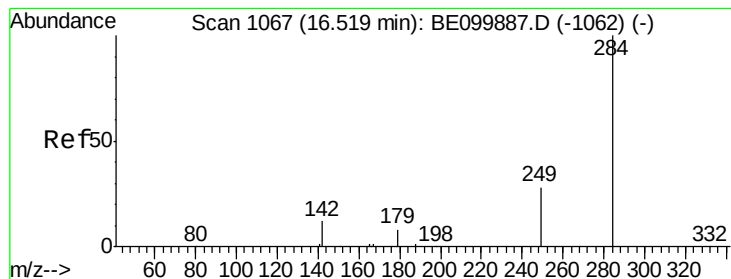
Tgt Ion:188 Resp: 6694
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.1 6.4 9.6



#20
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

Tgt Ion:248 Resp: 409
Ion Ratio Lower Upper
248 100
250 96.7 77.5 116.3
141 59.0 31.8 47.8#





#21

Hexachlorobenzene

Concen: 0.117 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

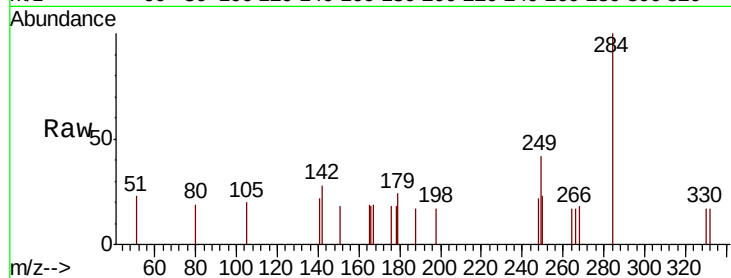
Tgt Ion:284 Resp: 455

Ion Ratio Lower Upper

284 100

142 25.5 18.2 27.4

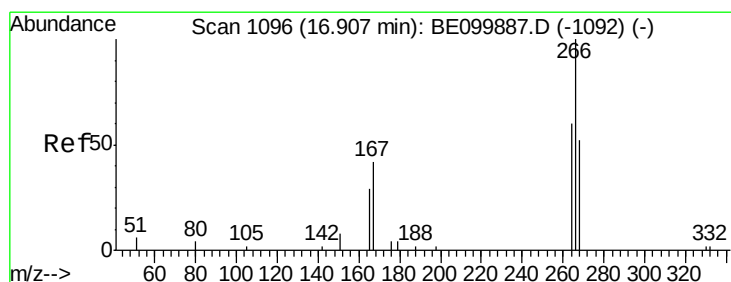
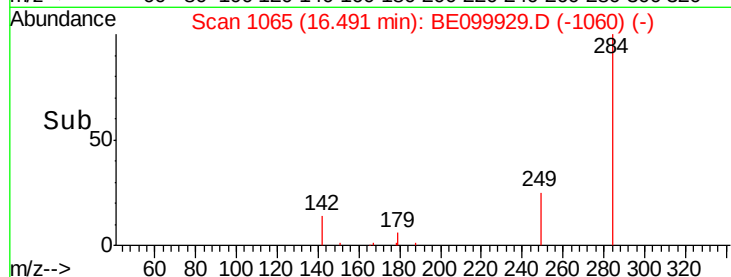
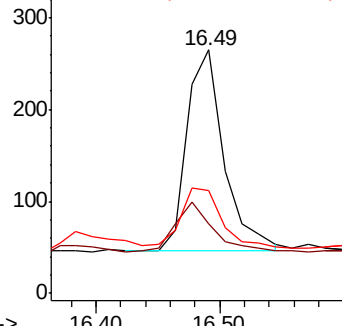
249 32.1 24.6 37.0



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: 0.350 ng

RT: 16.91 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

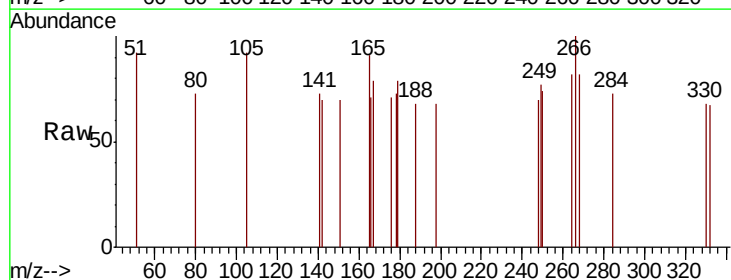
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

266 100

264 81.8 62.2 93.2

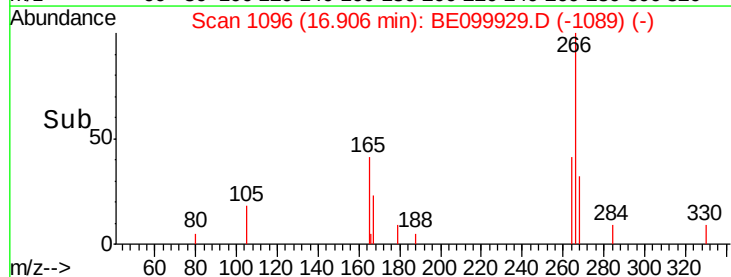
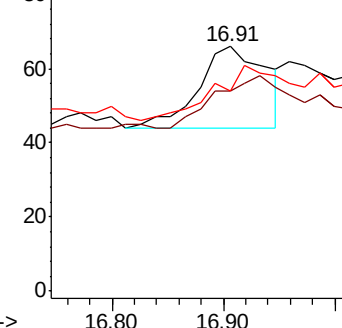
268 81.8 65.5 98.3

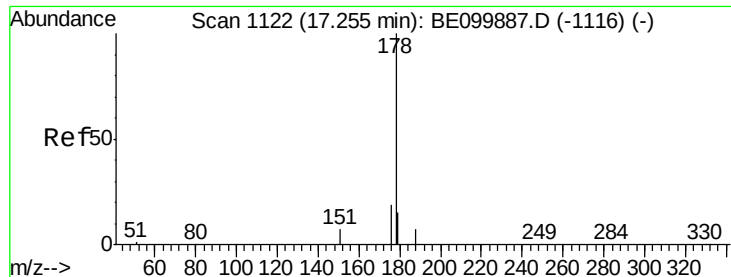


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.110 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

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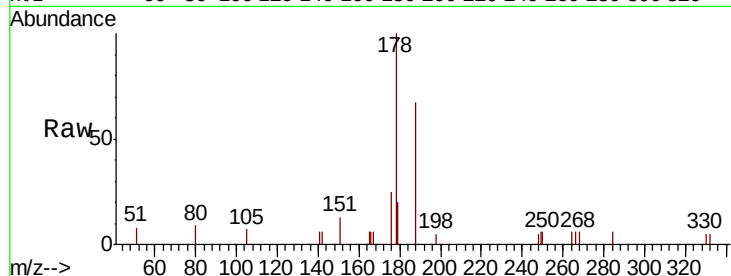
Tgt Ion:178 Resp: 1781

Ion Ratio Lower Upper

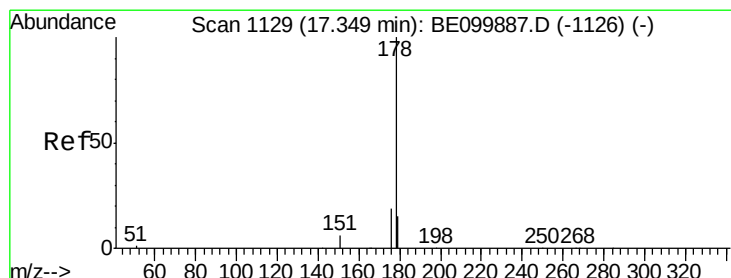
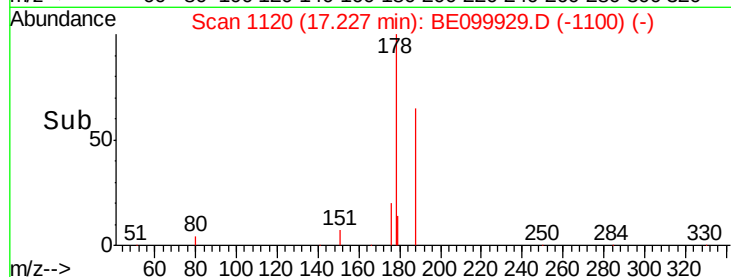
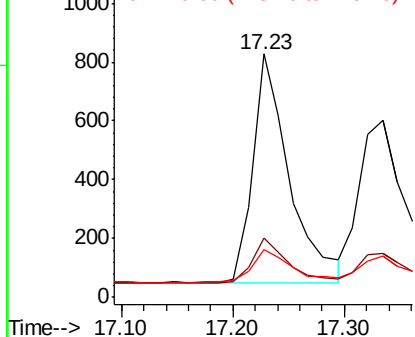
178 100

176 20.0 15.8 23.8

179 16.1 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



#24

Anthracene

Concen: 0.084 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

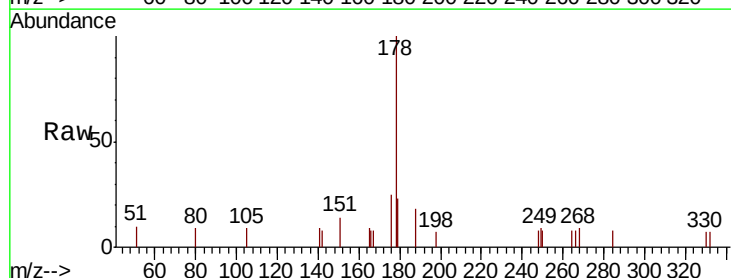
Tgt Ion:178 Resp: 1246

Ion Ratio Lower Upper

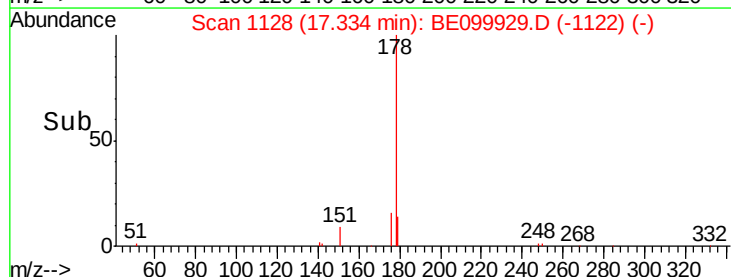
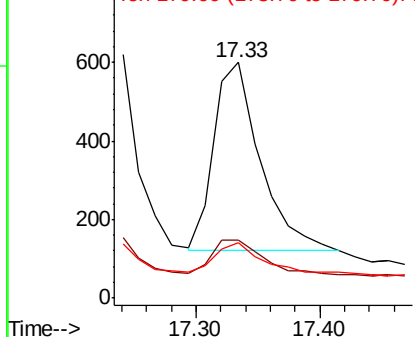
178 100

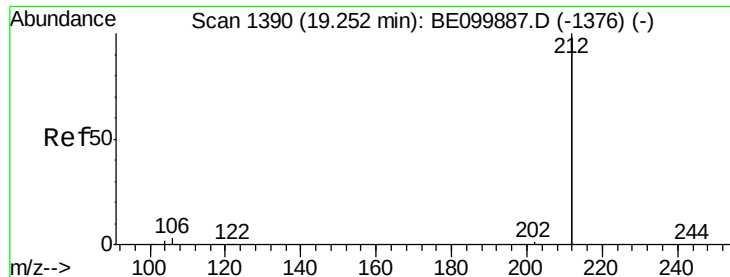
176 19.7 14.6 22.0

179 14.7 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

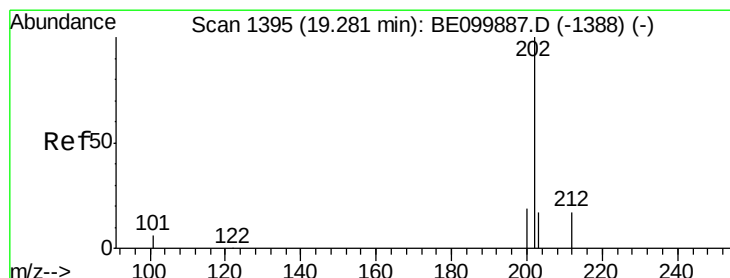
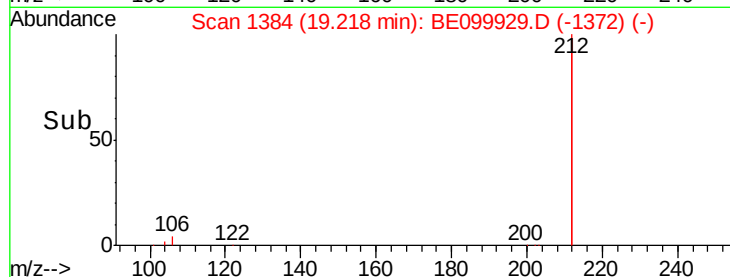
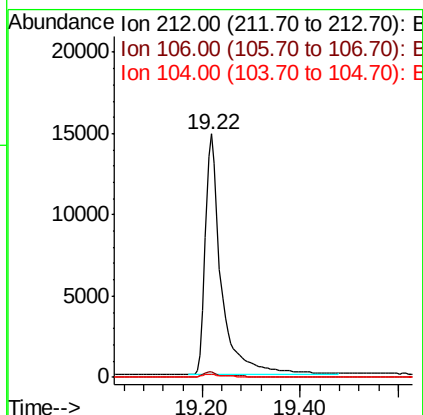
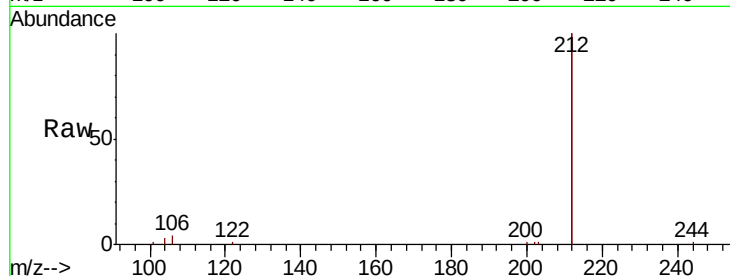
Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	212	Resp:	33856
Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.9	1.3



#26

Fluoranthene

Concen: 0.105 ng

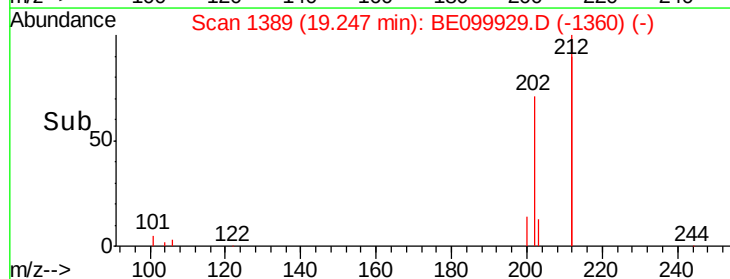
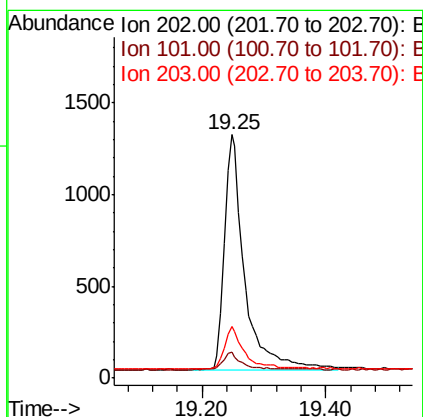
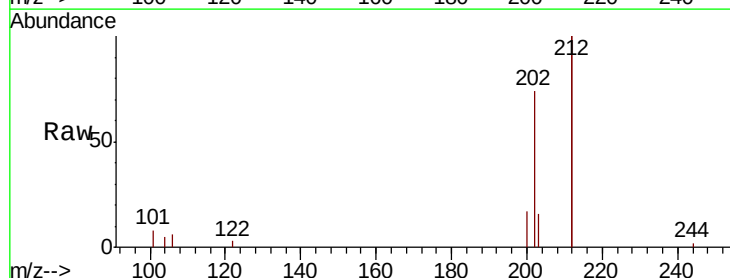
RT: 19.25 min Scan# 1389

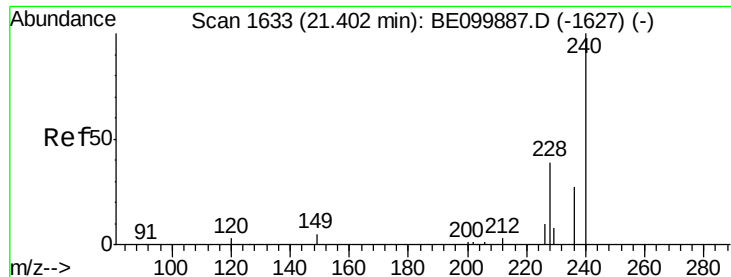
Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Tgt Ion:	202	Resp:	2894
Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.7	13.2	19.8

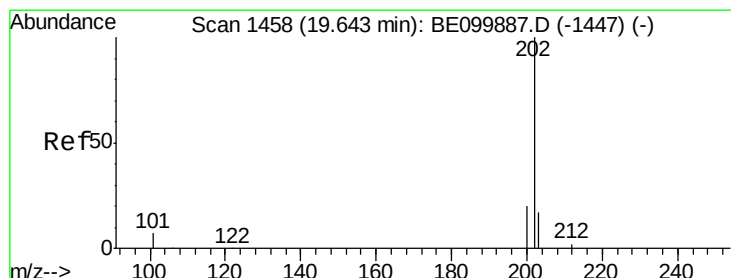
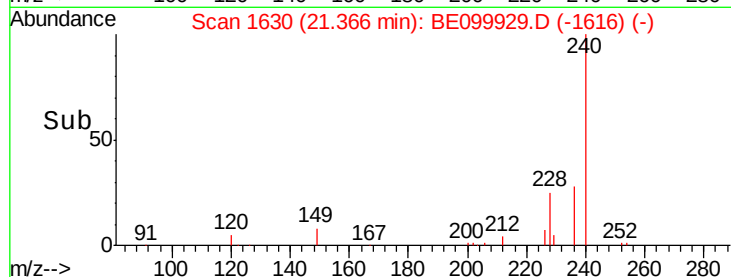
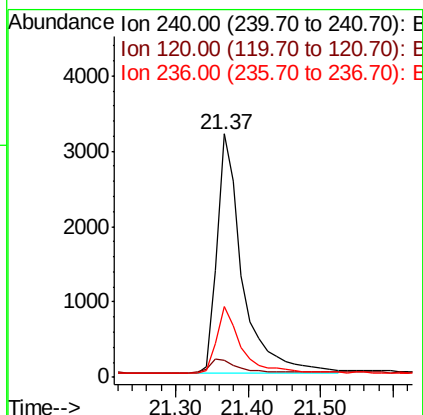
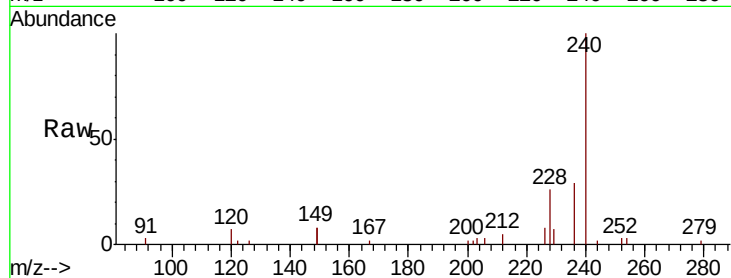




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BE099929.D
 Acq: 11 Jun 2019 18:09

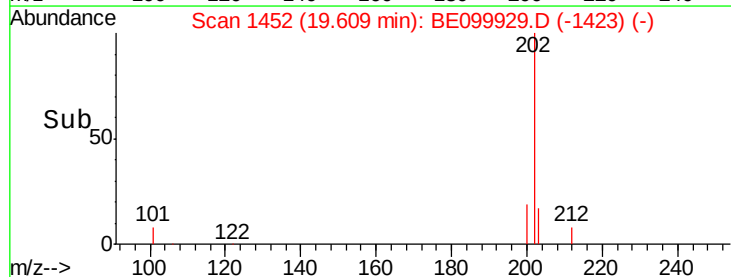
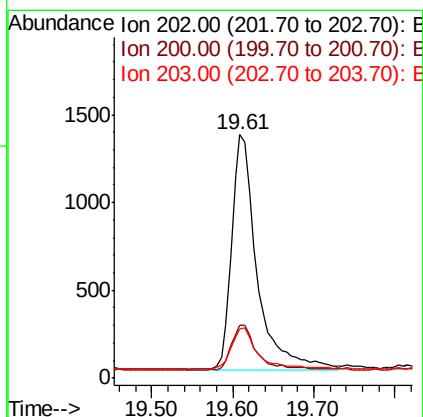
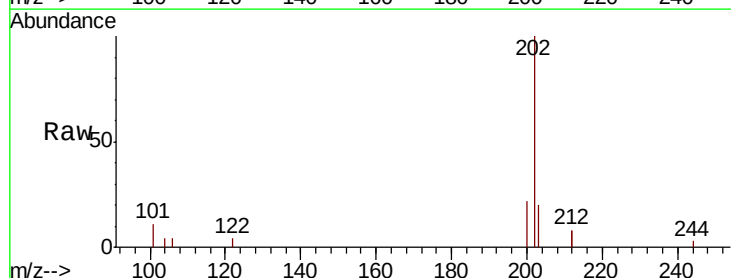
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

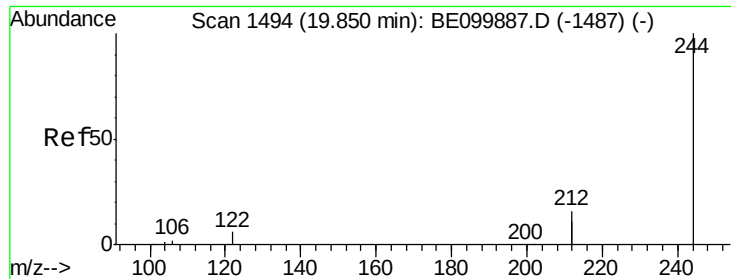
Tgt Ion:240 Resp: 7866
 Ion Ratio Lower Upper
 240 100
 120 7.1 3.8 5.6#
 236 28.9 22.0 33.0



#28
 Pyrene
 Concen: 0.140 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: BE099929.D
 Acq: 11 Jun 2019 18:09

Tgt Ion:202 Resp: 2887
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.5 23.3
 203 18.6 14.0 21.0





#29

Terphenyl-d14

Concen: 0.926 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.03 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

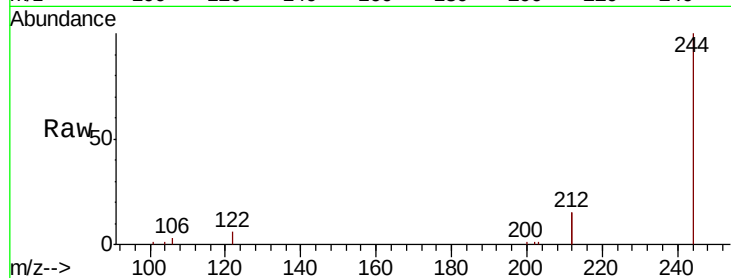
Tgt Ion:244 Resp: 13107

Ion Ratio Lower Upper

244 100

212 30.8 25.7 38.5

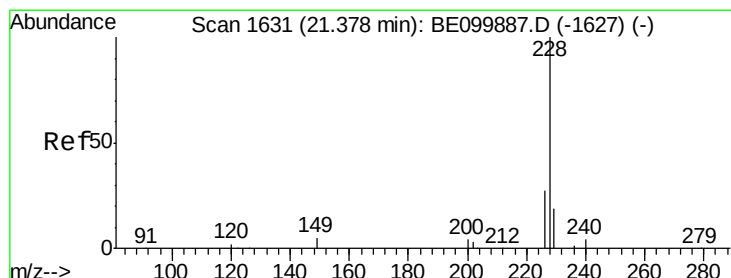
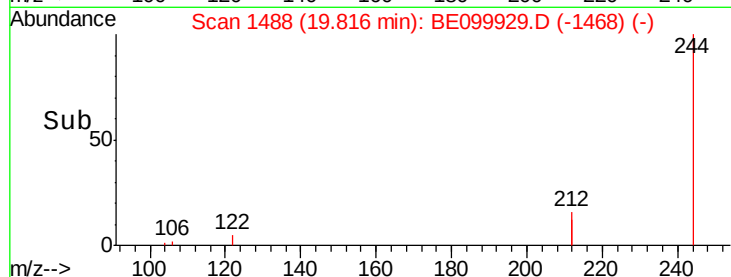
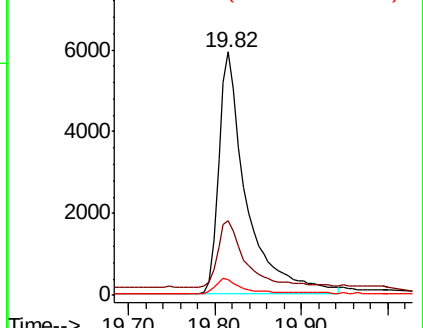
122 6.2 5.5 8.3



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: 0.103 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.02 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

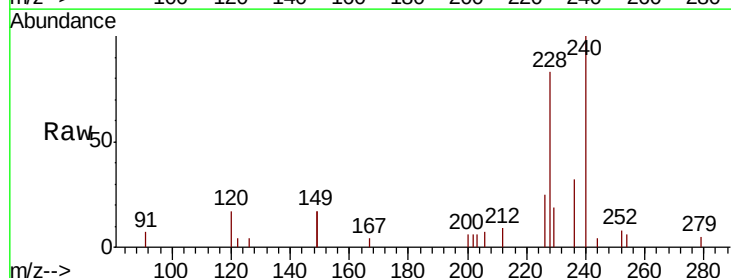
Tgt Ion:228 Resp: 2433

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

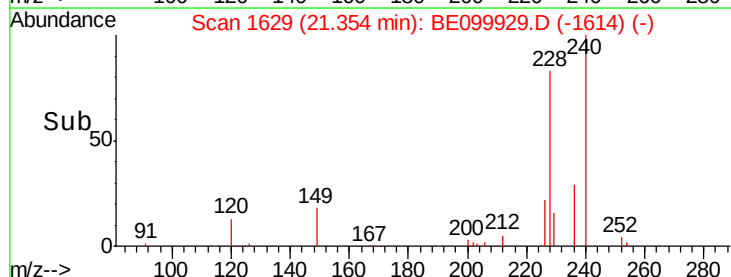
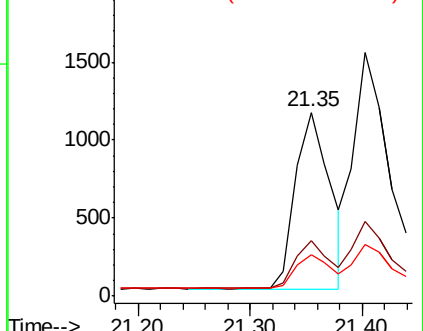
229 22.6 15.9 23.9

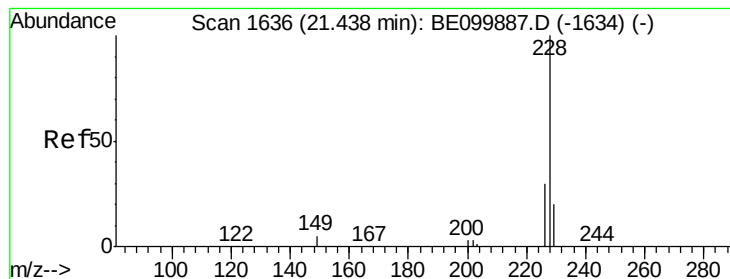


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.131 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.04 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

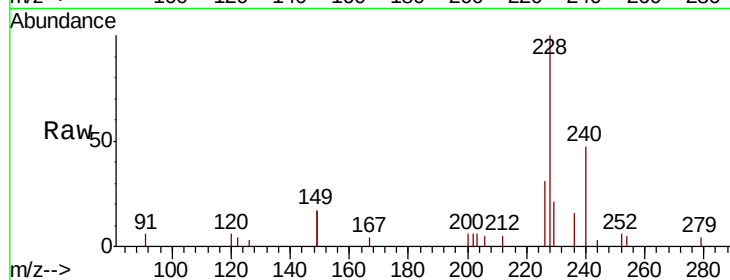
Tgt Ion:228 Resp: 3191

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 21.3 16.1 24.1

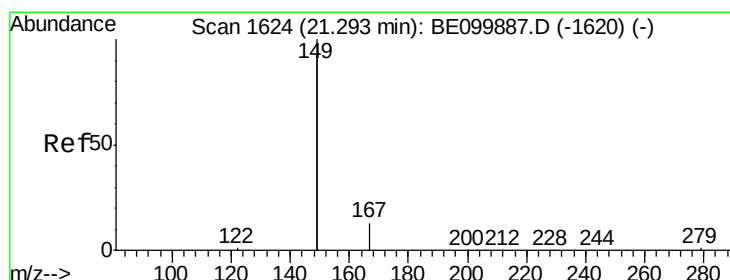
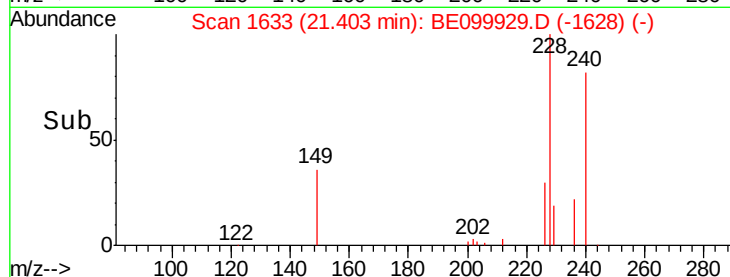
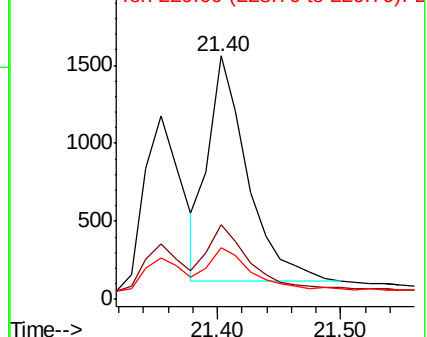


Abundance

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: 0.102 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

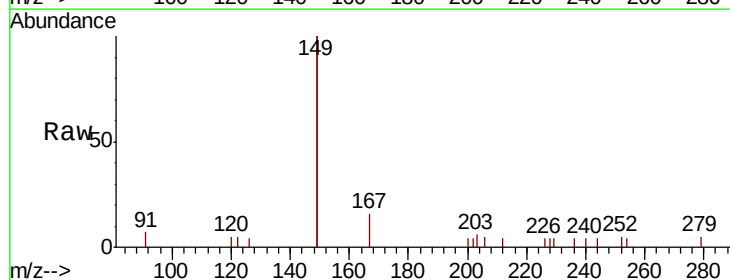
Tgt Ion:149 Resp: 3445

Ion Ratio Lower Upper

149 100

167 8.2 5.9 8.9

279 2.0 1.2 1.8#

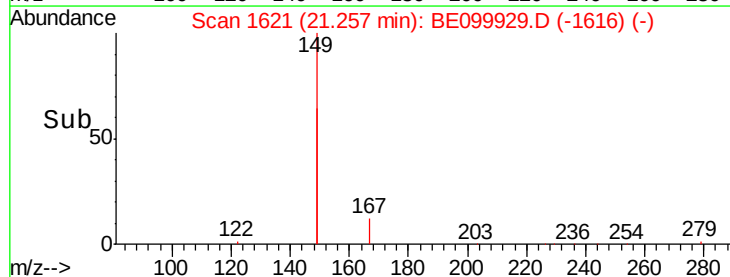
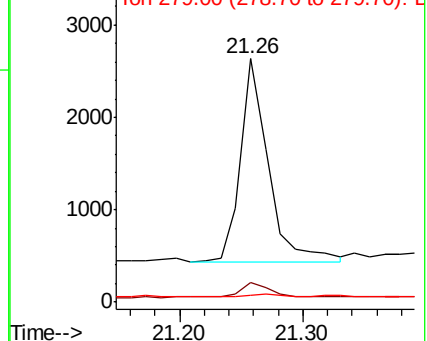


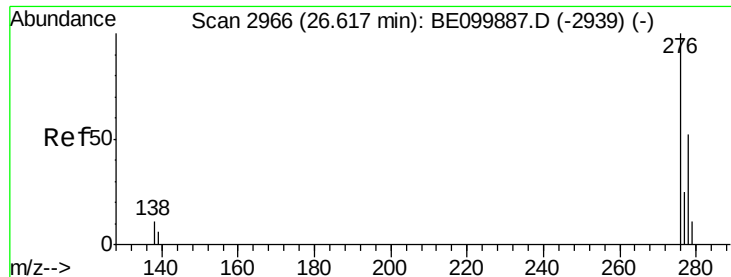
Abundance

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: 0.109 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.09 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

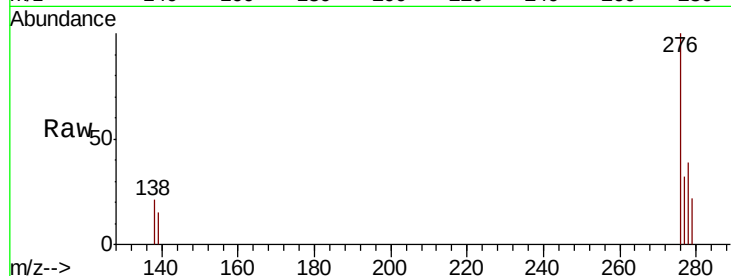
Tgt Ion:276 Resp: 3136

Ion Ratio Lower Upper

276 100

138 3.5 10.1 15.1#

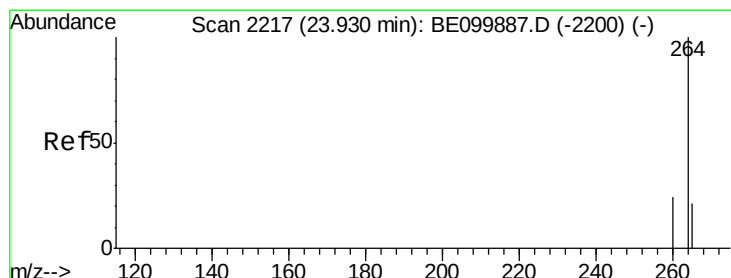
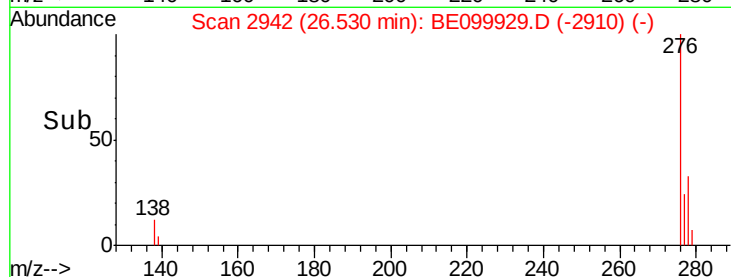
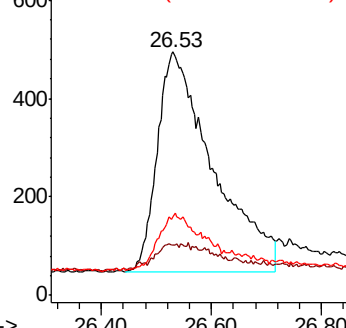
277 20.1 19.1 28.7



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: 23.87 min Scan# 2199

Delta R.T. -0.06 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

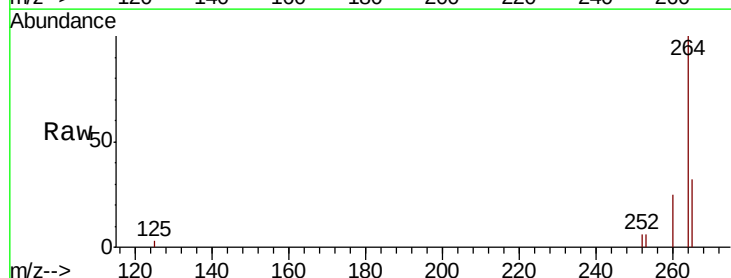
Tgt Ion:264 Resp: 9115

Ion Ratio Lower Upper

264 100

260 24.8 20.2 30.2

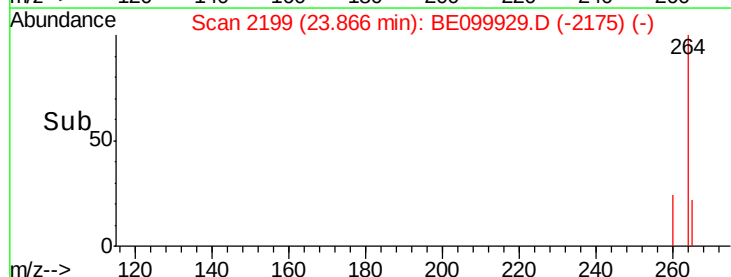
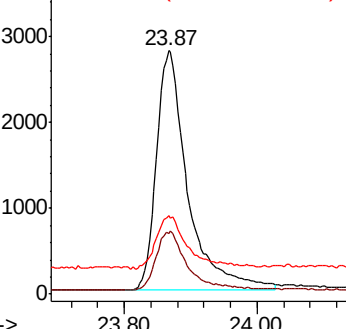
265 32.2 22.0 33.0

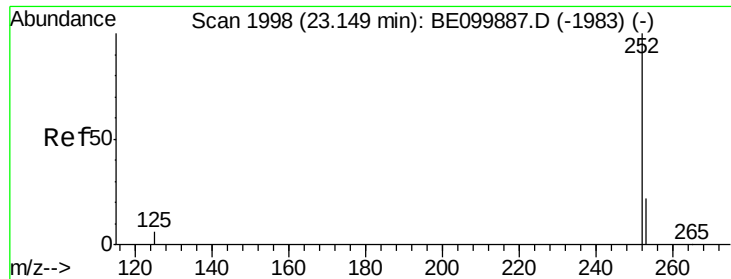


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

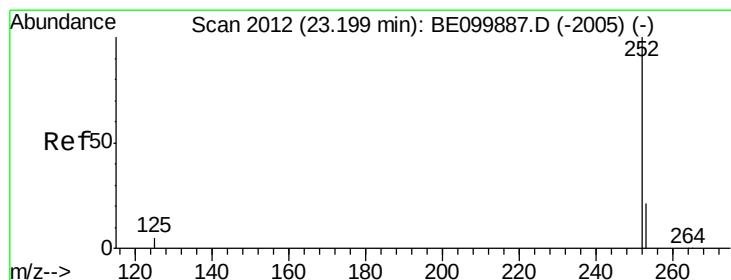
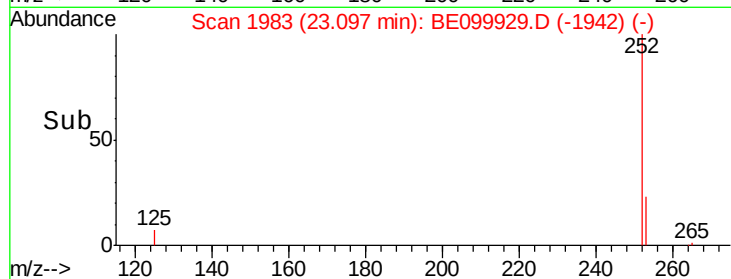
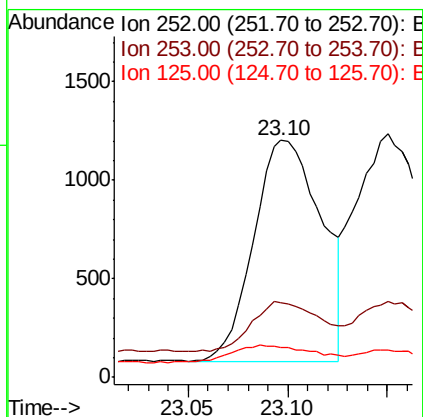
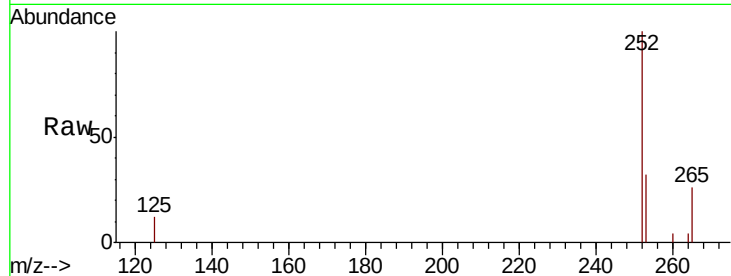




#35
Benzo(b)fluoranthene
Concen: 0.103 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.05 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

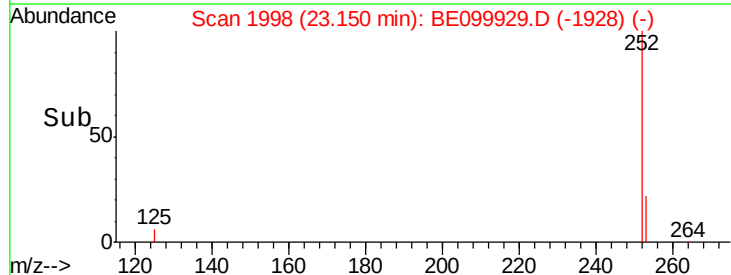
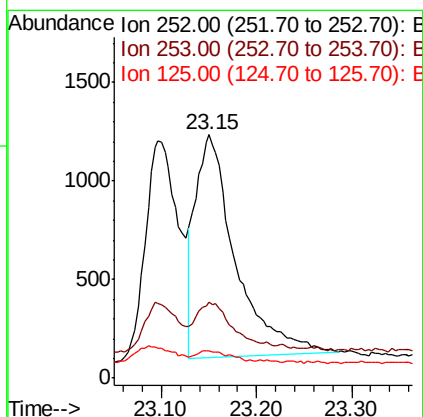
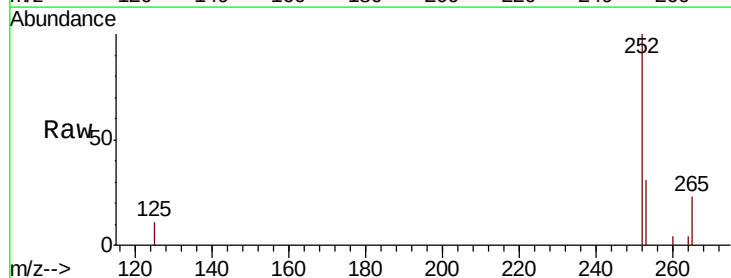
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

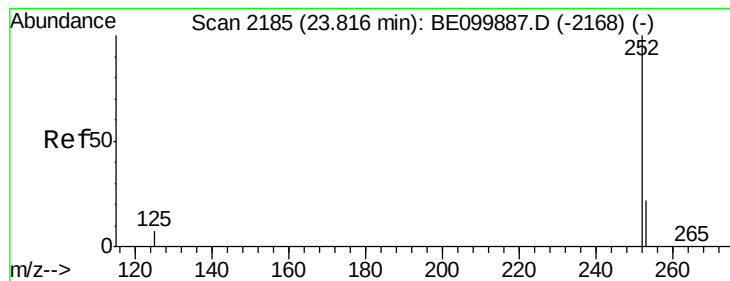
Tgt Ion: 252 Resp: 2643
Ion Ratio Lower Upper
252 100
253 31.6 18.7 28.1#
125 12.5 5.7 8.5#



#36
Benzo(k)fluoranthene
Concen: 0.124 ng
RT: 23.15 min Scan# 1998
Delta R.T. -0.05 min
Lab File: BE099929.D
Acq: 11 Jun 2019 18:09

Tgt Ion: 252 Resp: 3310
Ion Ratio Lower Upper
252 100
253 31.0 18.6 28.0#
125 11.4 5.4 8.0#





#37

Benzo(a)pyrene

Concen: 0.112 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.06 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

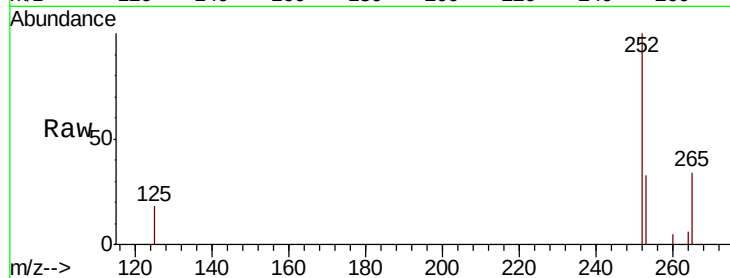
Tgt Ion:252 Resp: 2825

Ion Ratio Lower Upper

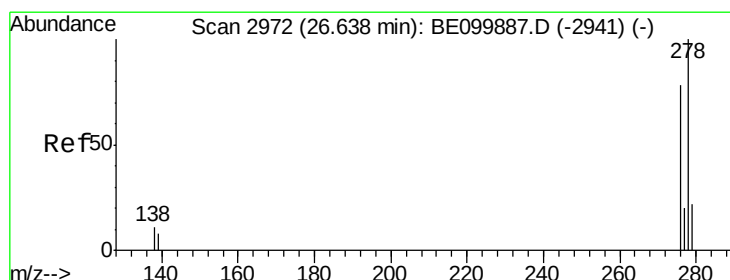
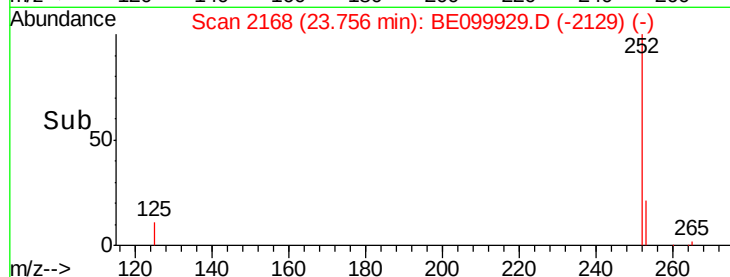
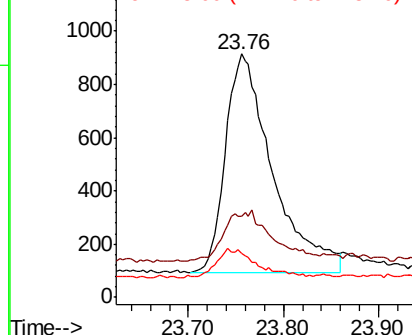
252 100

253 33.3 19.6 29.4#

125 18.3 6.6 10.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.029 ng

RT: 26.56 min Scan# 2951

Delta R.T. -0.08 min

Lab File: BE099929.D

Acq: 11 Jun 2019 18:09

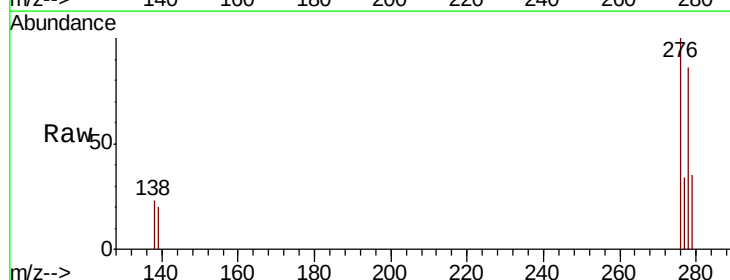
Tgt Ion:278 Resp: 746

Ion Ratio Lower Upper

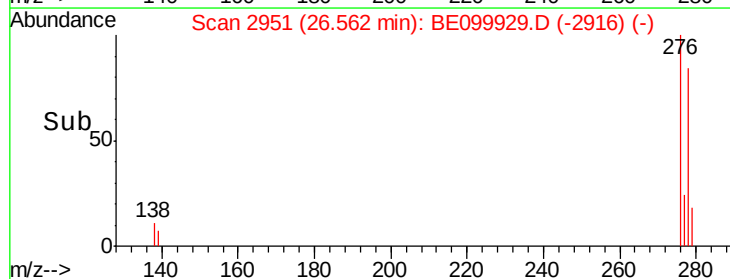
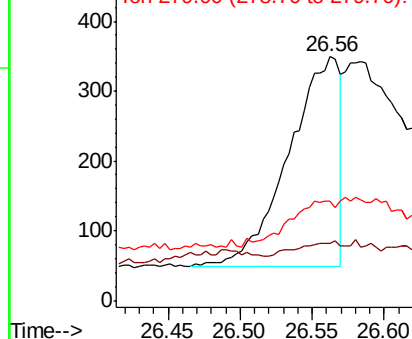
278 100

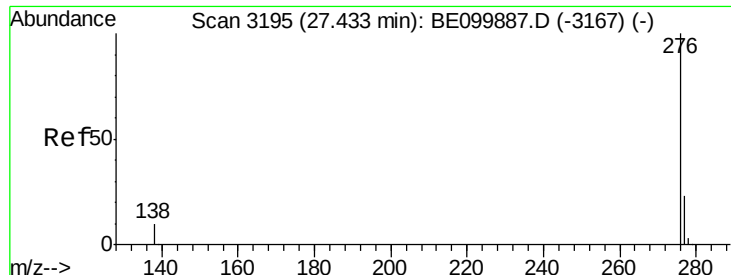
139 23.2 7.8 11.8#

279 40.7 20.0 30.0#



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: 0.109 ng

RT: 27.34 min Scan# 3170

Delta R.T. -0.09 min

Lab File: BE099929.D

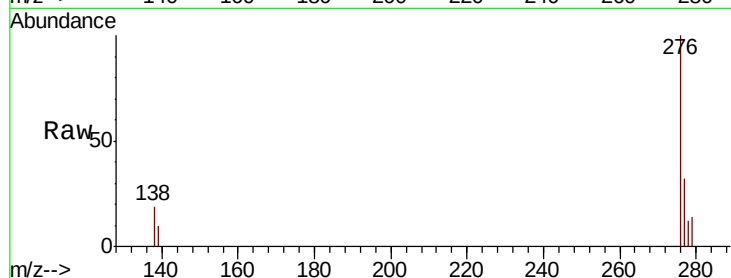
Acq: 11 Jun 2019 18:09

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



Tgt Ion: 276 Resp: 2858

Ion Ratio Lower Upper

276 100

277 32.1 19.5 29.3#

138 19.1 9.5 14.3#

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

