

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061019\
 Data File : BE099895.D
 Acq On : 10 Jun 2019 18:08
 Operator : JU/SJ
 Sample : K2241-01
 Misc : LOD-SOIL-0.1PPM
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 11 05:57:29 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	7.79	152	605	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	2131	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	1798	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	6040	0.40	ng	0.01
27) Chrysene-d12	21.40	240	7962	0.40	ng	0.00
34) Perylene-d12	23.94	264	9277	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.36	112	1407	0.86	ng	0.00
5) Phenol-d6	6.98	99	1727	0.82	ng	0.00
8) Nitrobenzene-d5	8.99	82	1217	0.60	ng	0.03
11) 2-Methylnaphthalene-d10	12.22	152	1438	0.39	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	929	0.70	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	4594	0.67	ng	0.01
25) Fluoranthene-d10	19.25	212	32213	0.37	ng	0.00
29) Terphenyl-d14	19.85	244	12822	0.89	ng	0.00

Target Compounds

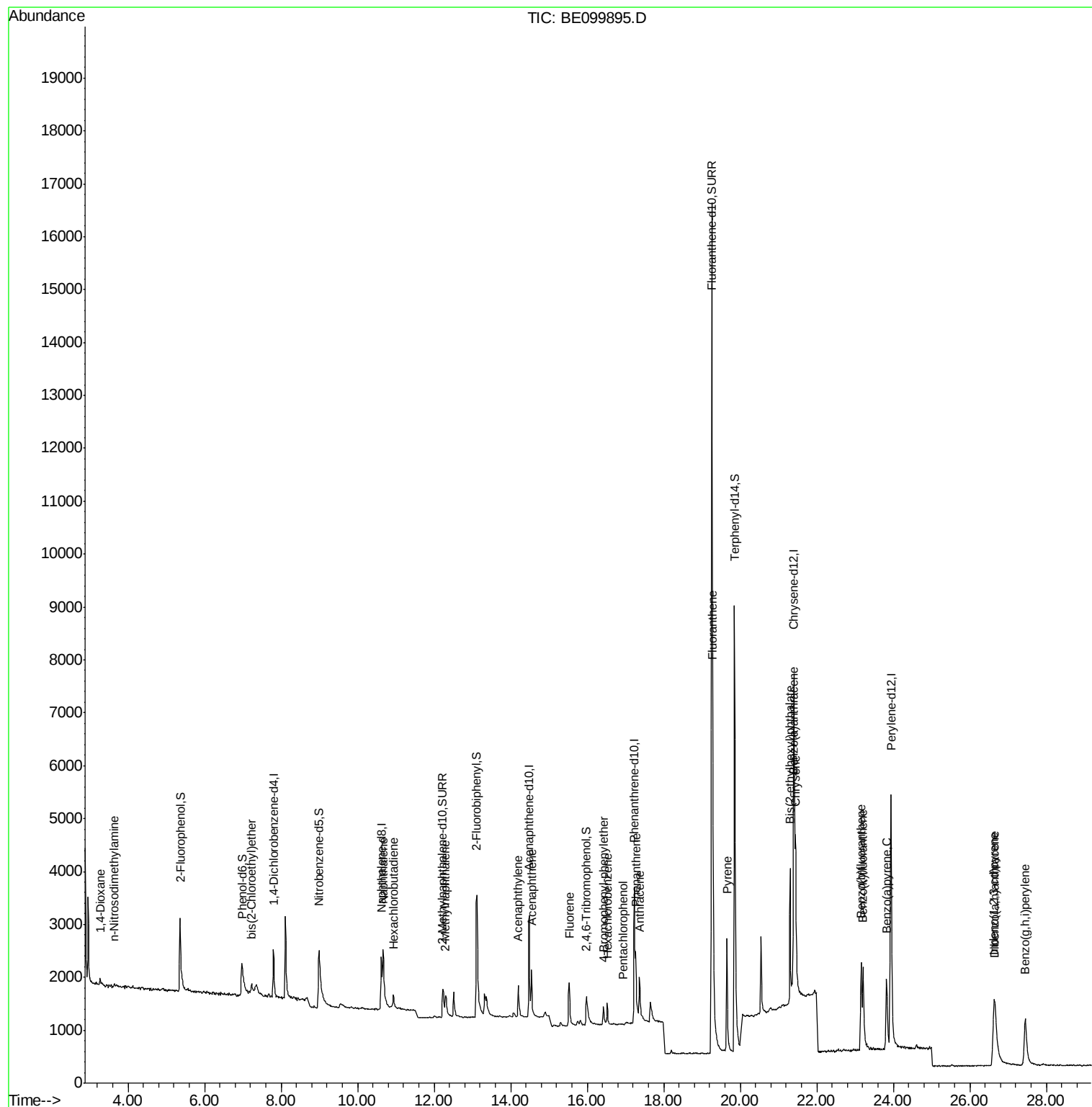
						Qvalue
2) 1,4-Dioxane	3.27	88	111	0.124	ng	# 77
3) n-Nitrosodimethylamine	3.62	42	35	0.068	ng	# 100
6) bis(2-Chloroethyl)ether	7.23	93	169	0.098	ng	94
9) Naphthalene	10.67	128	2811	0.122	ng	# 91
10) Hexachlorobutadiene	10.93	225	202	0.115	ng	95
12) 2-Methylnaphthalene	12.30	142	435	0.116	ng	# 93
16) Acenaphthylene	14.20	152	974	0.109	ng	99
17) Acenaphthene	14.54	154	523	0.107	ng	97
18) Fluorene	15.53	166	850	0.116	ng	96
20) 4-Bromophenyl-phenylether	16.42	248	363	0.106	ng	# 90
21) Hexachlorobenzene	16.52	284	408	0.117	ng	98
22) Pentachlorophenol	16.95	266	8	0.304	ng	85
23) Phenanthrene	17.27	178	1574	0.107	ng	98
24) Anthracene	17.36	178	1271	0.095	ng	99
26) Fluoranthene	19.28	202	2739	0.110	ng	100
28) Pyrene	19.65	202	2843	0.136	ng	99
30) Benzo(a)anthracene	21.39	228	2506	0.105	ng	96
31) Chrysene	21.45	228	3291	0.134	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	3832	0.112	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	3516	0.121	ng	# 92
35) Benzo(b)fluoranthene	23.16	252	2776	0.107	ng	# 87
36) Benzo(k)fluoranthene	23.21	252	3049	0.112	ng	# 89
37) Benzo(a)pyrene	23.82	252	3111	0.121	ng	# 81
38) Dibenzo(a,h)anthracene	26.66	278	2759	0.107	ng	# 81
39) Benzo(g,h,i)perylene	27.45	276	3106	0.117	ng	# 90

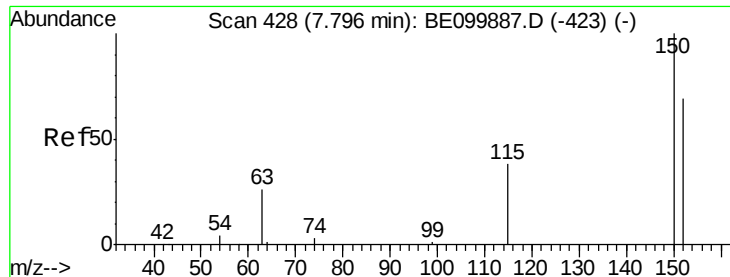
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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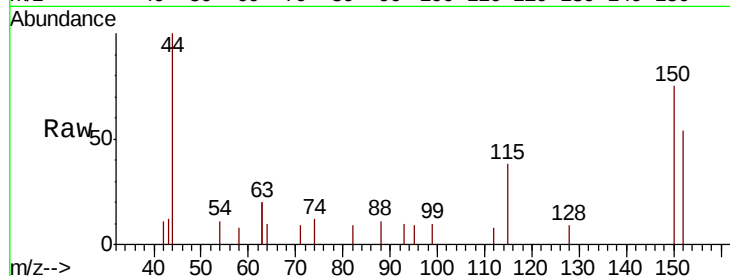




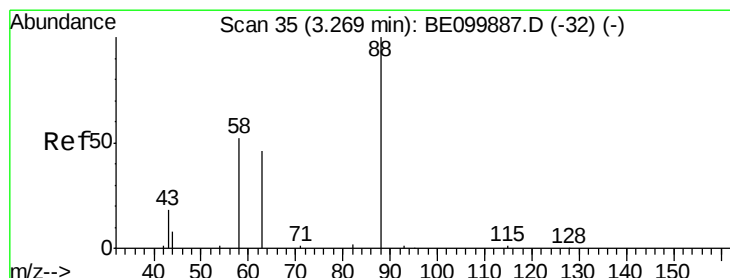
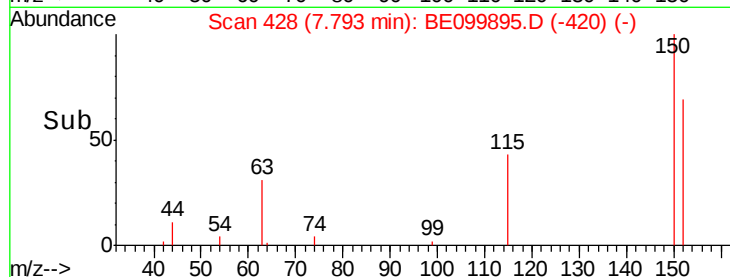
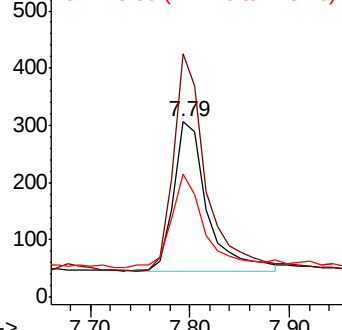
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.79 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BE099895.D
 Acq: 10 Jun 2019 18:08

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

Tgt Ion: 152 Resp: 605
 Ion Ratio Lower Upper
 152 100
 150 138.9 111.0 166.6
 115 69.9 50.7 76.1

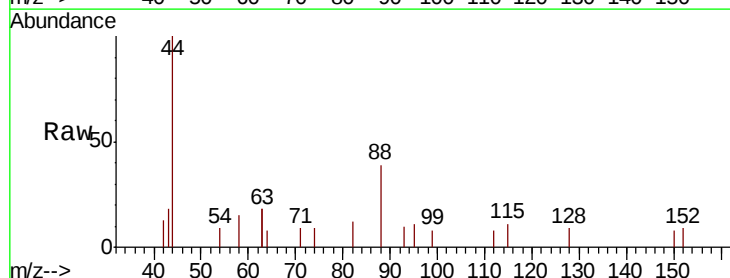


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

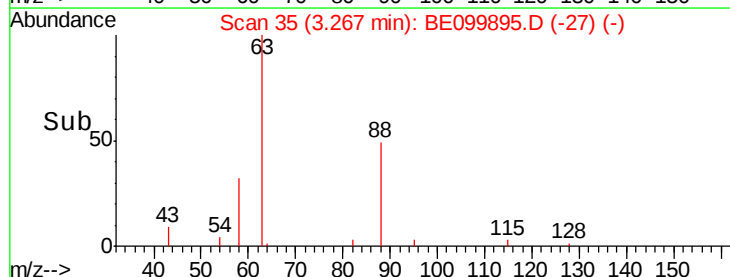
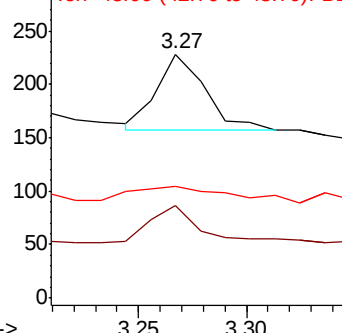


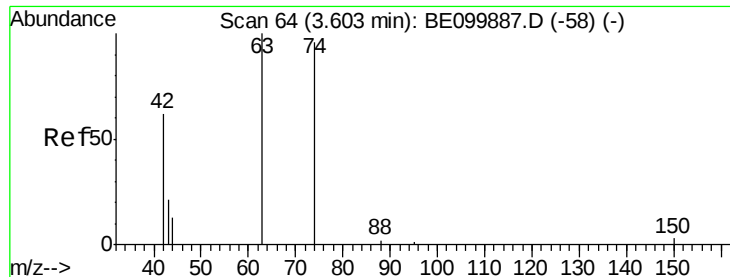
#2
 1,4-Dioxane
 Concen: 0.124 ng
 RT: 3.27 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: BE099895.D
 Acq: 10 Jun 2019 18:08

Tgt Ion: 88 Resp: 111
 Ion Ratio Lower Upper
 88 100
 58 49.5 48.8 73.2
 43 45.0 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: 0.068 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.02 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

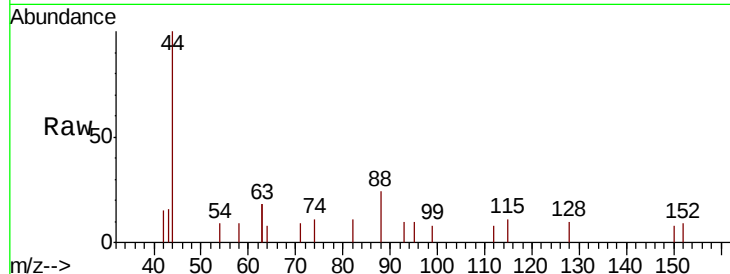
Instrument :

BNA_E

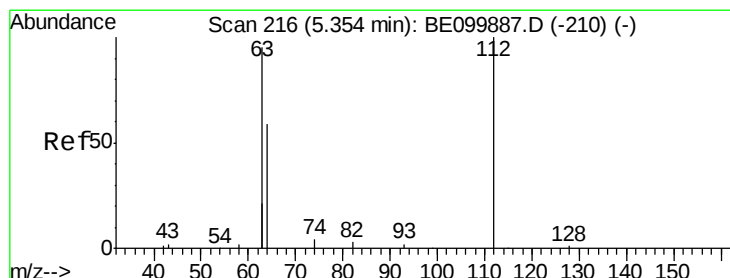
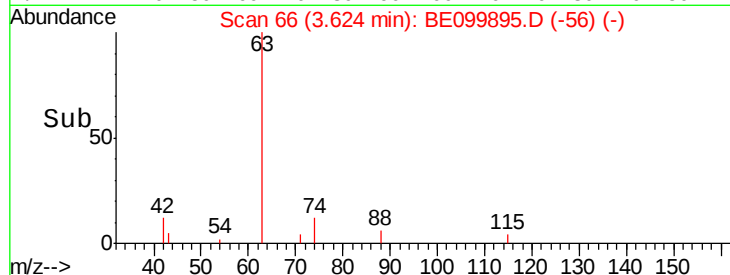
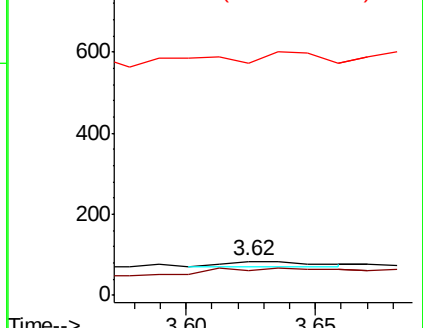
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	42	Resp:	35
Ion	Ratio	Lower	Upper
42	100		
74	145.7	0.0	0.0#
44	340.0	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



#4

2-Fluorophenol

Concen: 0.861 ng

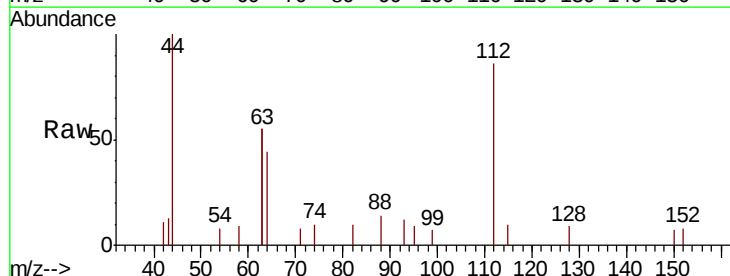
RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

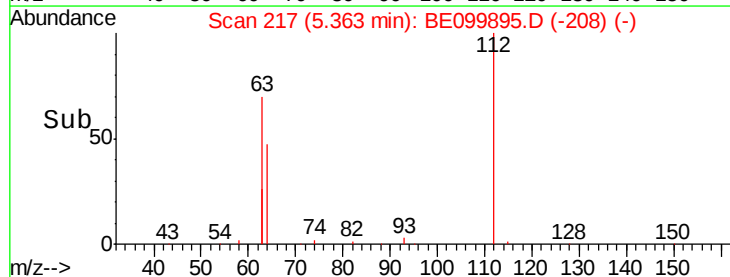
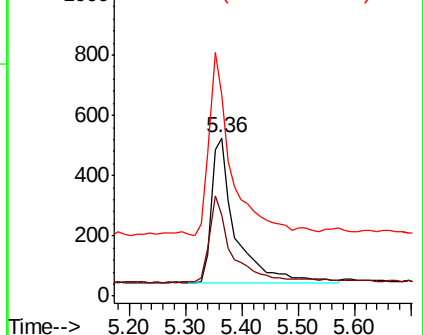
Lab File: BE099895.D

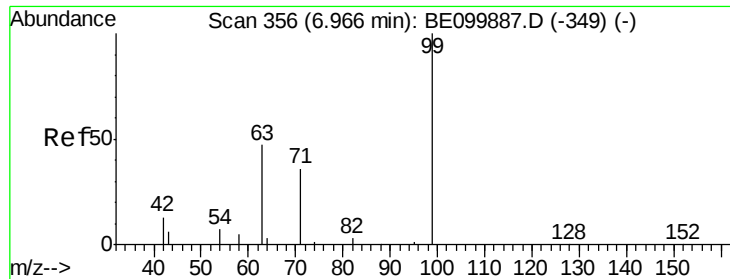
Acq: 10 Jun 2019 18:08

Tgt Ion:	112	Resp:	1407
Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	116.2	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





#5

Phenol-d6

Concen: 0.821 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

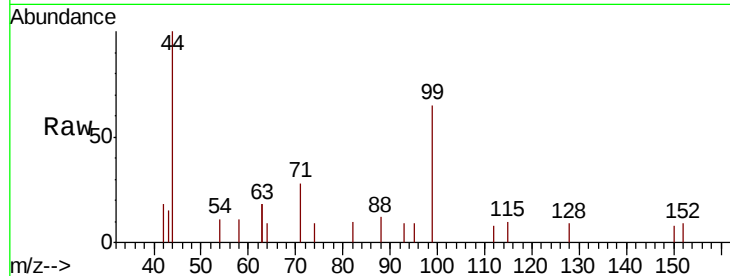
Tgt Ion: 99 Resp: 1727

Ion Ratio Lower Upper

99 100

42 14.5 15.9 23.9#

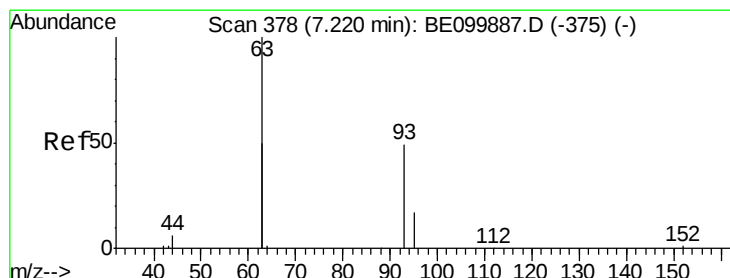
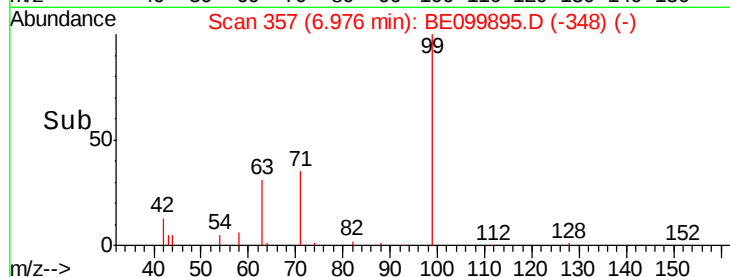
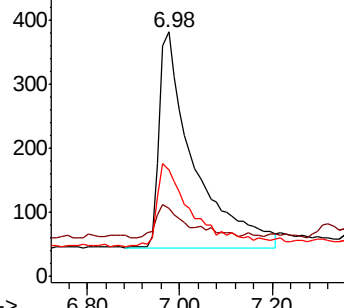
71 39.2 34.6 52.0



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



#6

bis(2-Chloroethyl)ether

Concen: 0.098 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

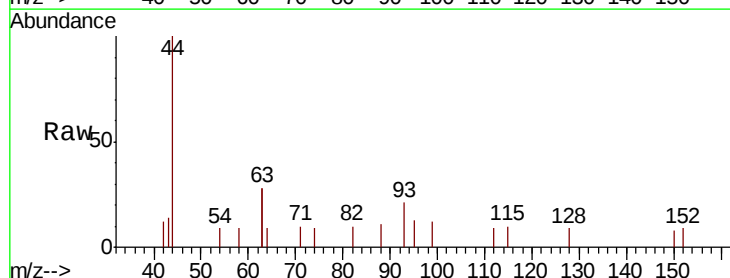
Tgt Ion: 93 Resp: 169

Ion Ratio Lower Upper

93 100

63 242.0 202.8 304.2

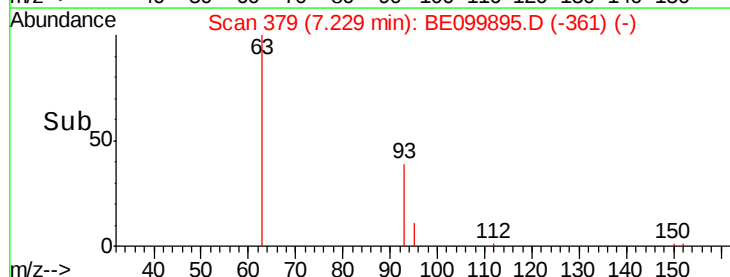
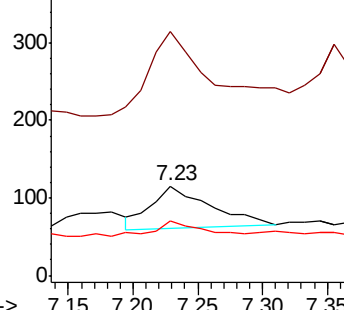
95 32.5 23.7 35.5

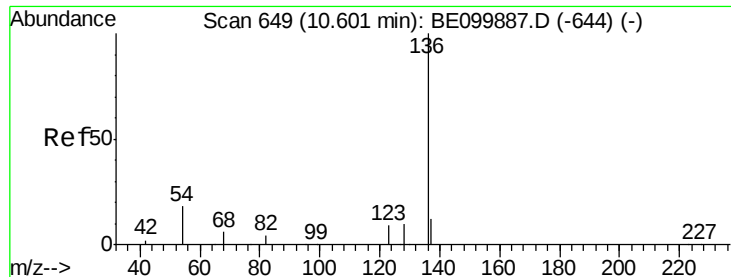


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 136 Resp: 2131

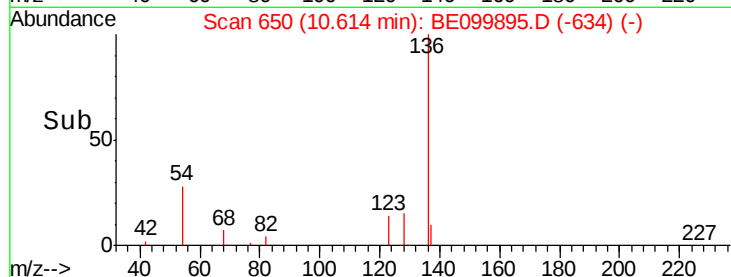
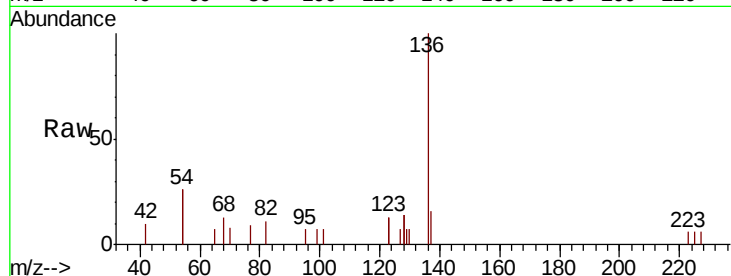
Ion Ratio Lower Upper

136 100

137 16.0 12.3 18.5

54 51.8 28.2 42.4#

68 13.2 7.8 11.8#

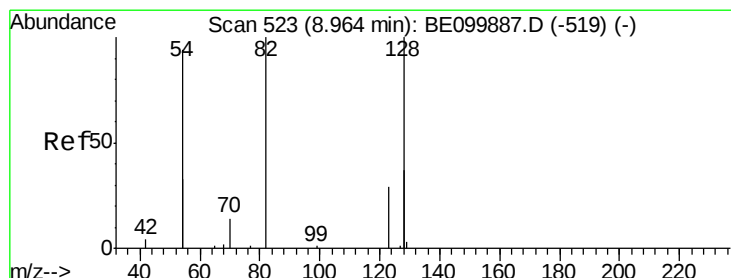
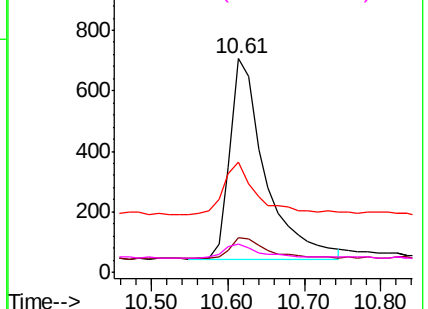


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.603 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

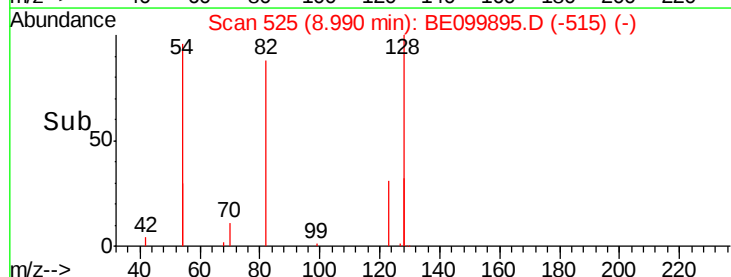
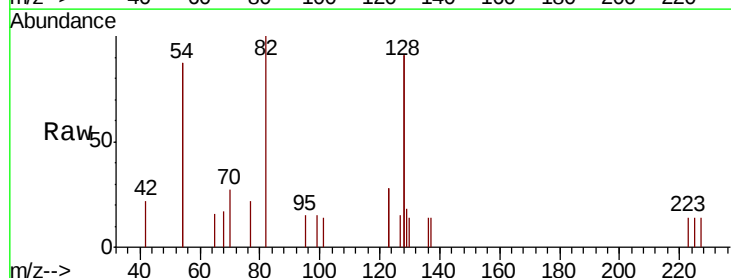
Tgt Ion: 82 Resp: 1217

Ion Ratio Lower Upper

82 100

128 181.5 137.3 205.9

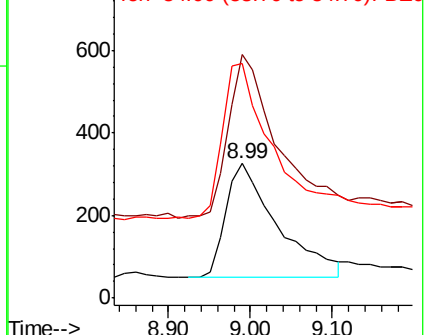
54 174.8 129.7 194.5

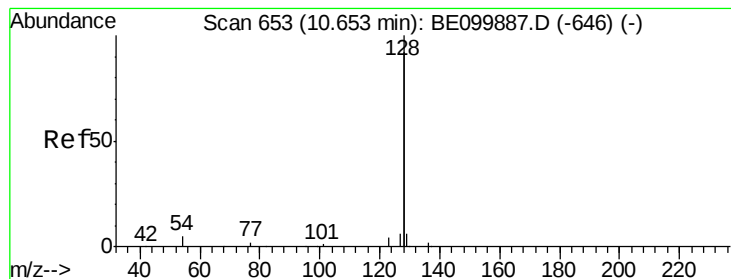


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.122 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

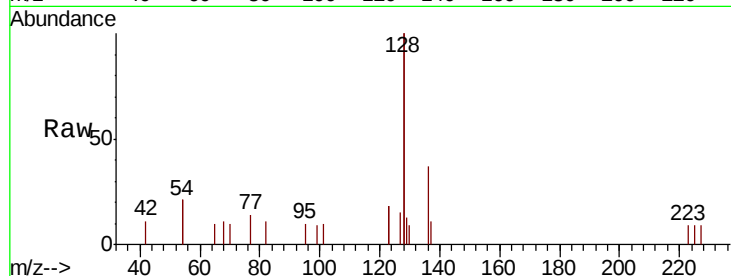
Tgt Ion:128 Resp: 2811

Ion Ratio Lower Upper

128 100

129 6.7 3.0 4.6#

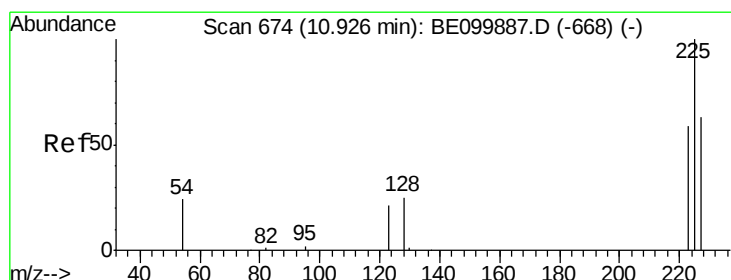
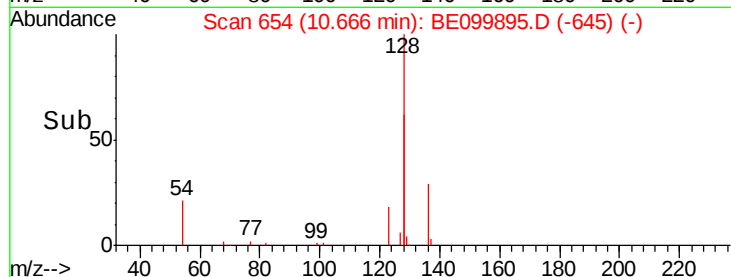
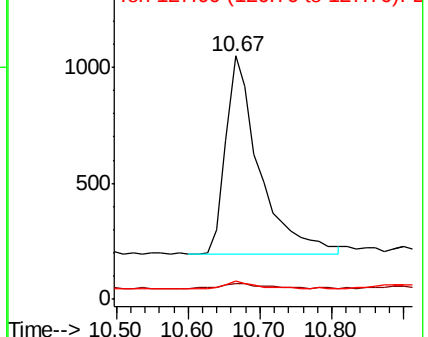
127 7.5 3.4 5.0#



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: 0.115 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

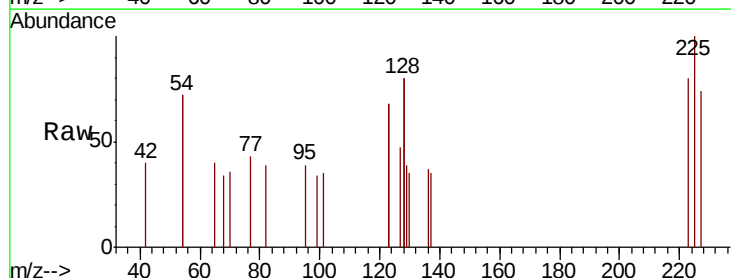
Tgt Ion:225 Resp: 202

Ion Ratio Lower Upper

225 100

223 69.3 51.6 77.4

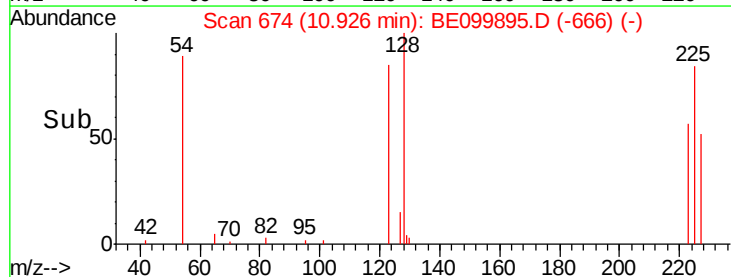
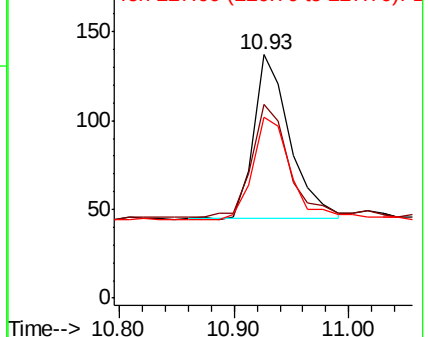
227 66.3 50.6 76.0

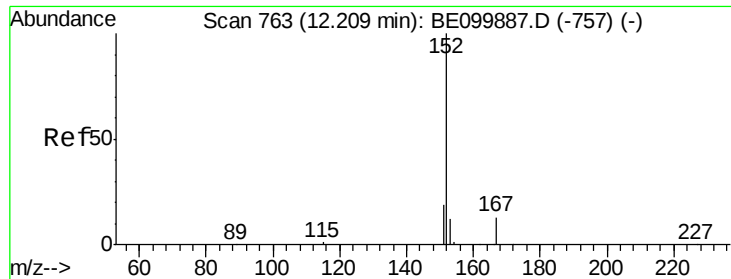


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

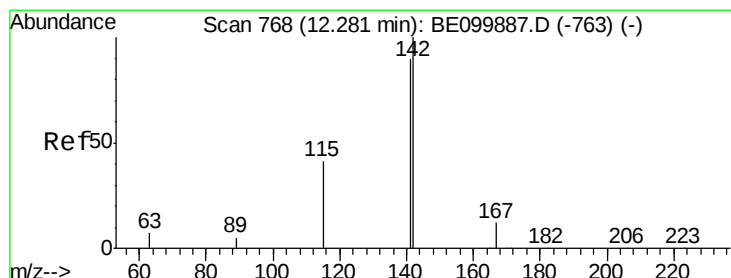
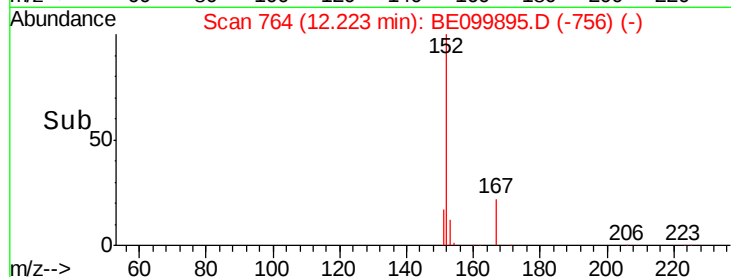
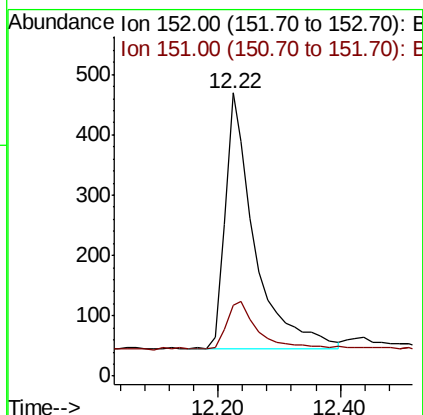
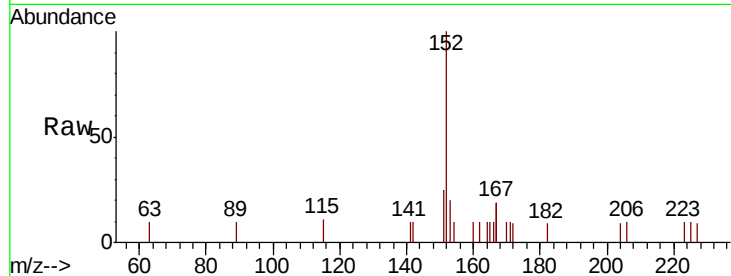




#11
 2-Methylnaphthalene-d10
 Concen: 0.387 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: BE099895.D
 Acq: 10 Jun 2019 18:08

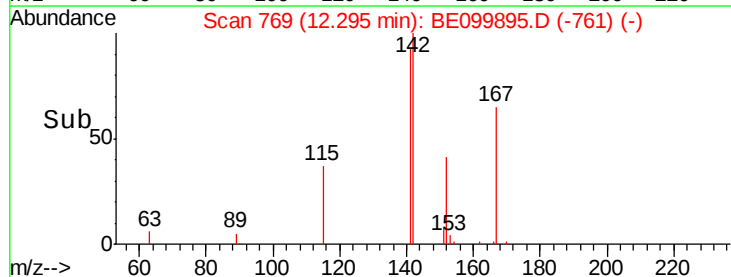
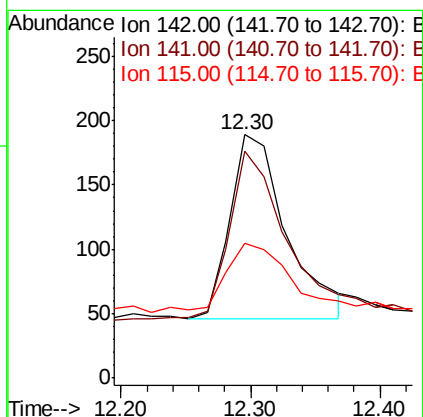
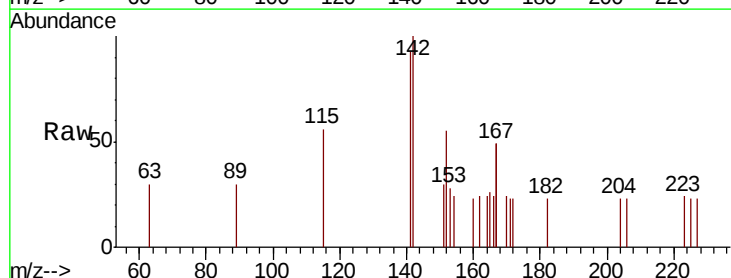
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

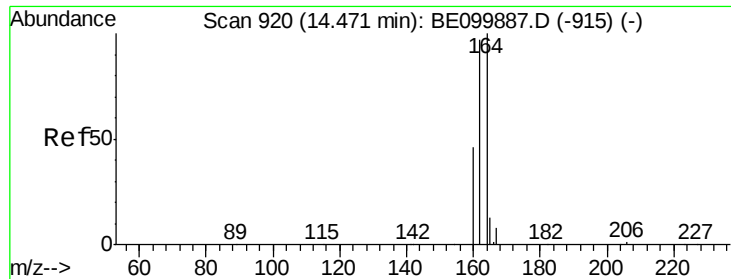
Tgt Ion:152 Resp: 1438
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.116 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: BE099895.D
 Acq: 10 Jun 2019 18:08

Tgt Ion:142 Resp: 435
 Ion Ratio Lower Upper
 142 100
 141 93.1 72.3 108.5
 115 55.6 36.4 54.6#

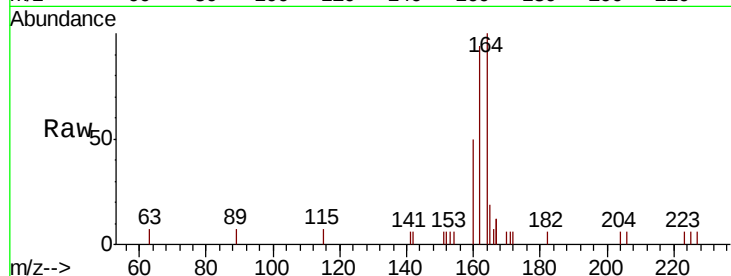




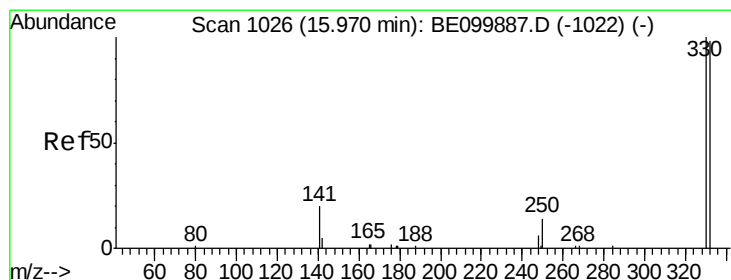
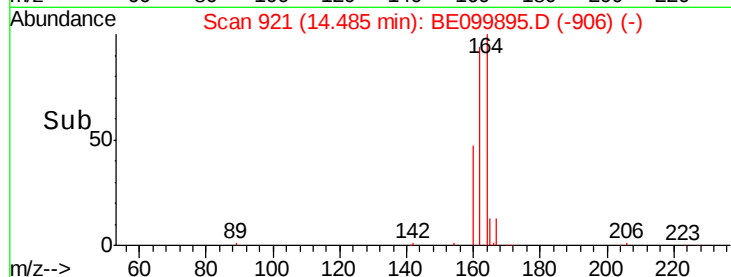
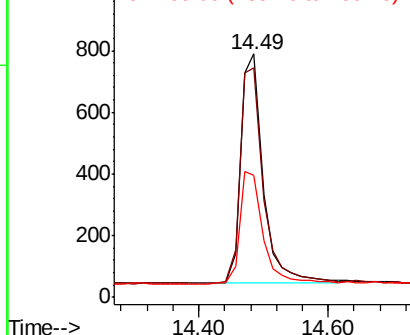
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:164 Resp: 1798
Ion Ratio Lower Upper
164 100
162 94.4 77.8 116.8
160 50.2 38.2 57.4

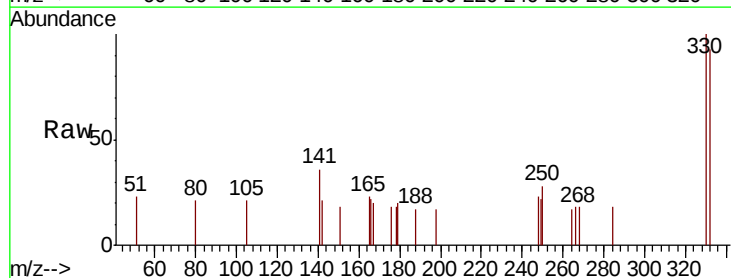


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

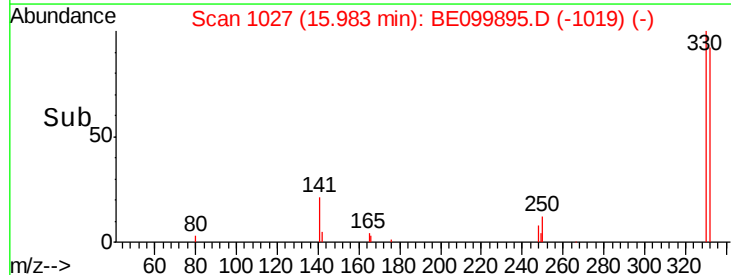
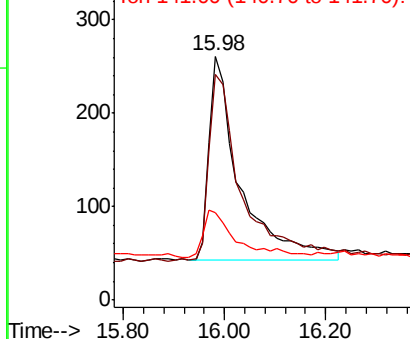


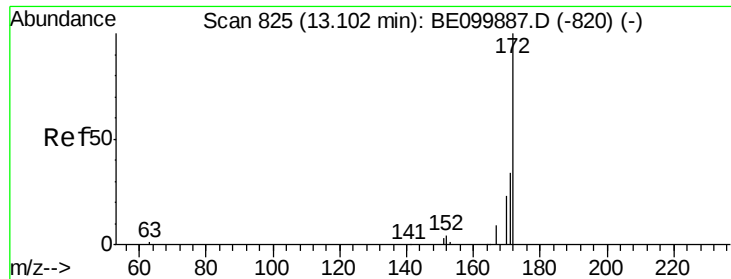
#14
2,4,6-Tribromophenol
Concen: 0.699 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:330 Resp: 929
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 24.2 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

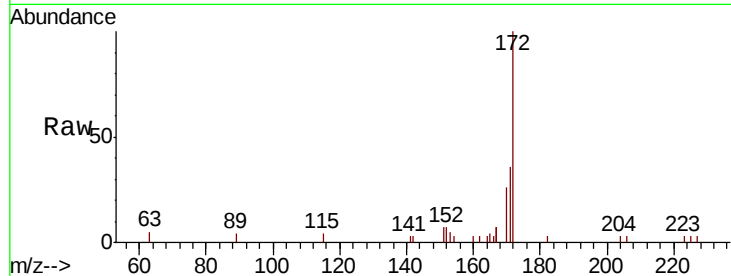




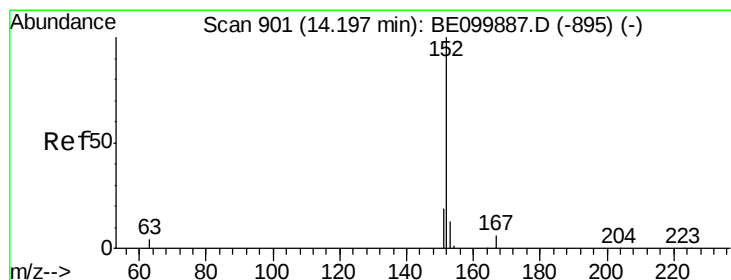
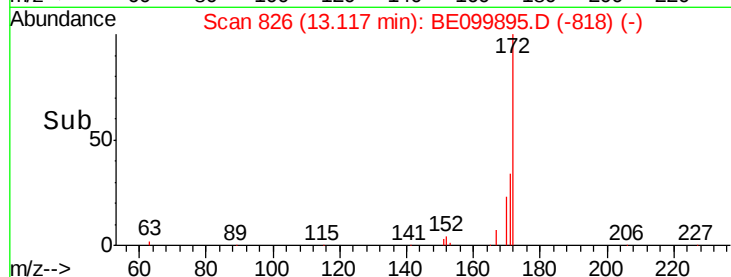
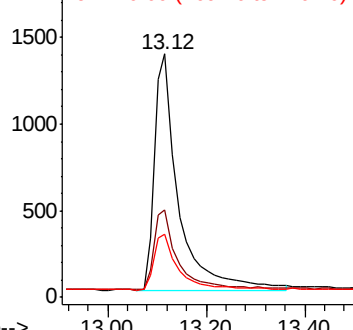
#15
2-Fluorobiphenyl
Concen: 0.674 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:172 Resp: 4594
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 25.8 21.2 31.8

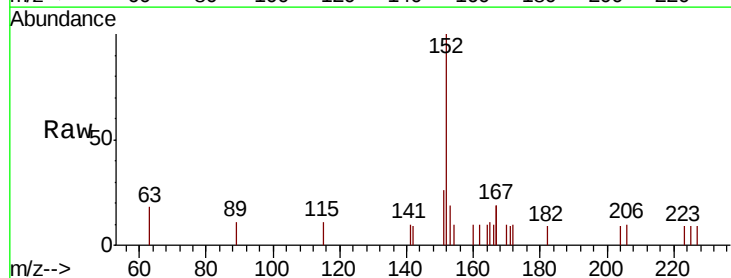


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

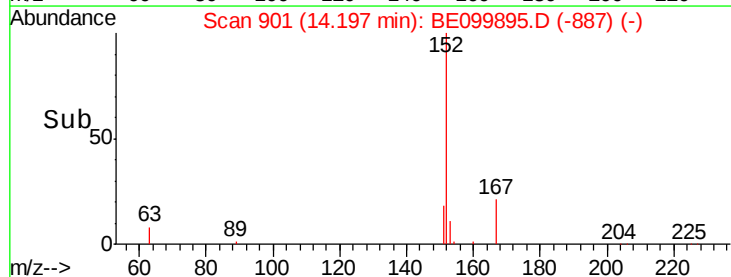
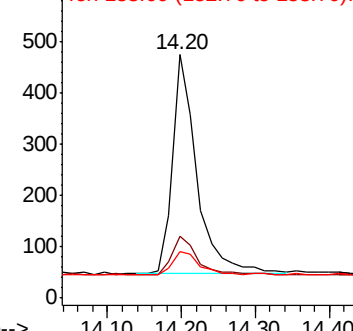


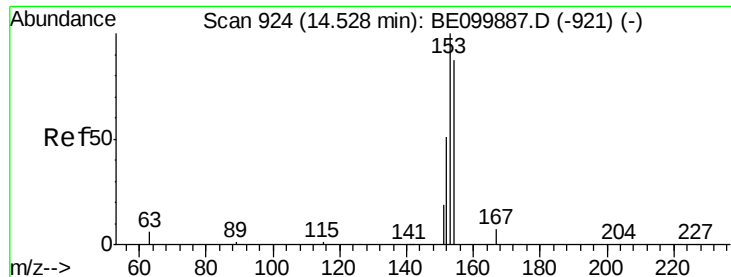
#16
Acenaphthylene
Concen: 0.109 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:152 Resp: 974
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 12.7 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

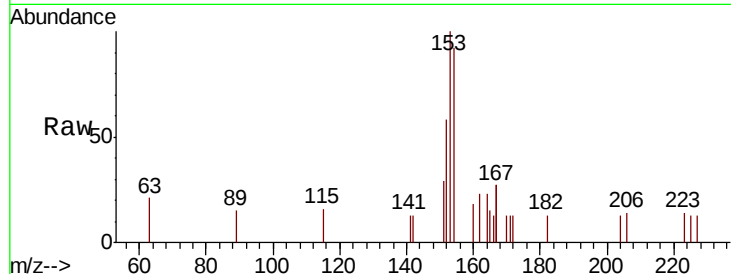




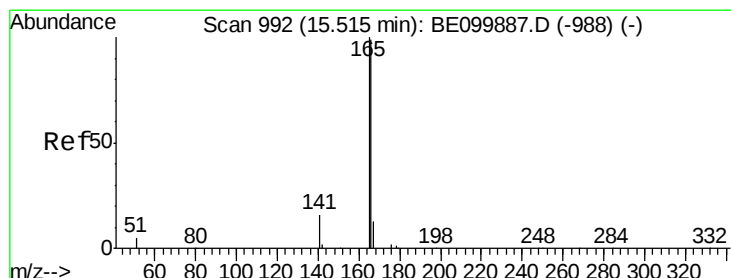
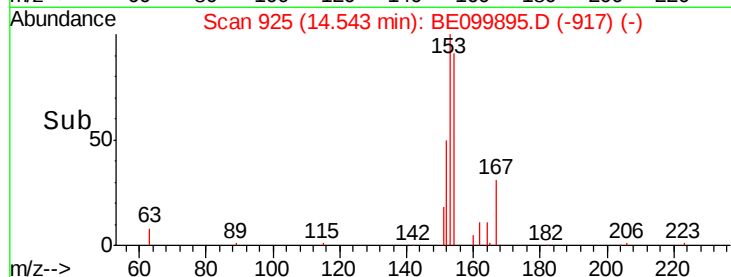
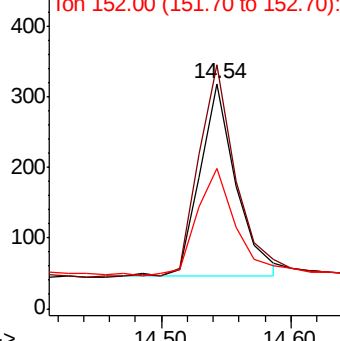
#17
Acenaphthene
Concen: 0.107 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

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

Tgt Ion:154 Resp: 523
Ion Ratio Lower Upper
154 100
153 112.8 93.1 139.7
152 60.2 47.0 70.4

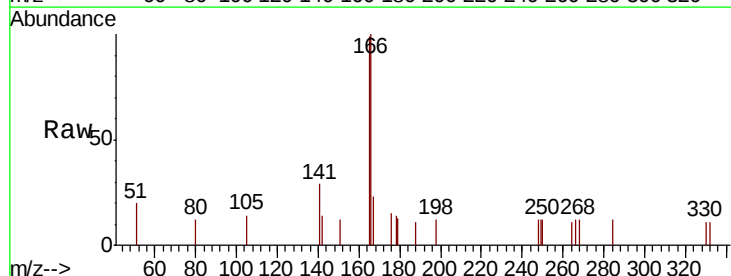


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

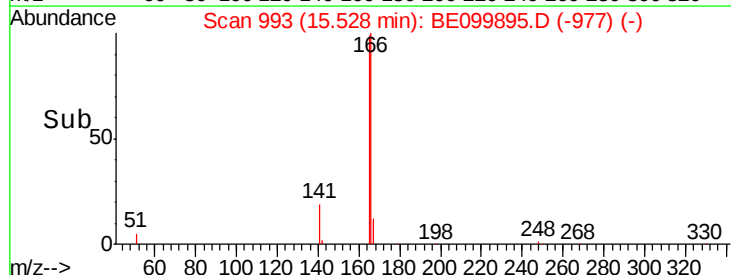
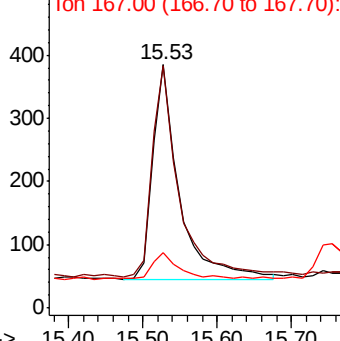


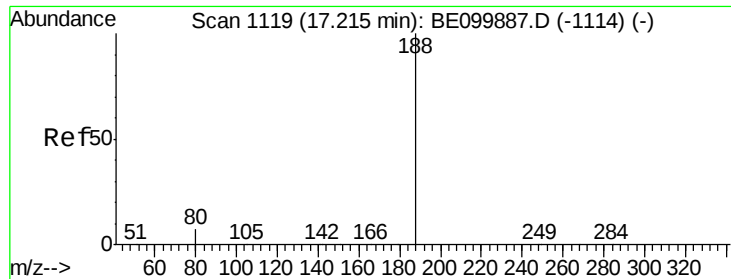
#18
Fluorene
Concen: 0.116 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:166 Resp: 850
Ion Ratio Lower Upper
166 100
165 98.2 81.8 122.8
167 14.7 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

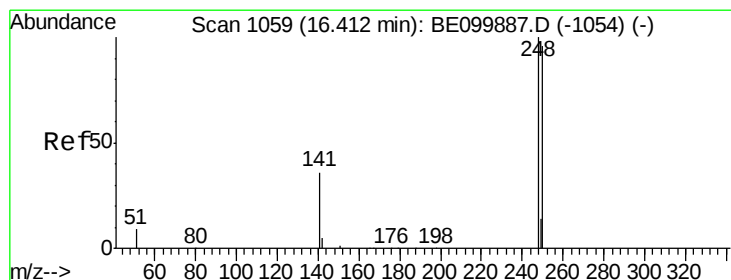
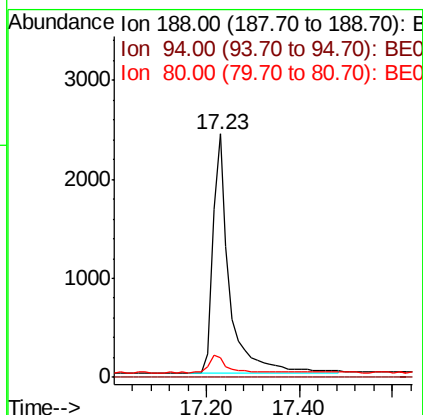
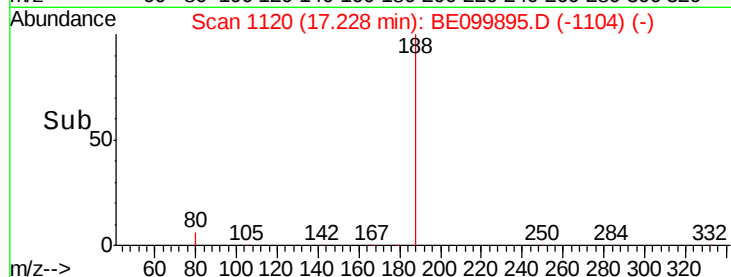
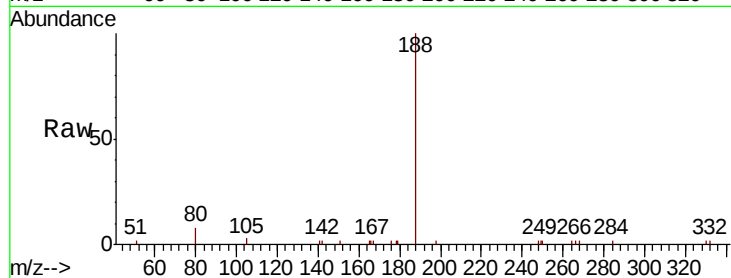




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

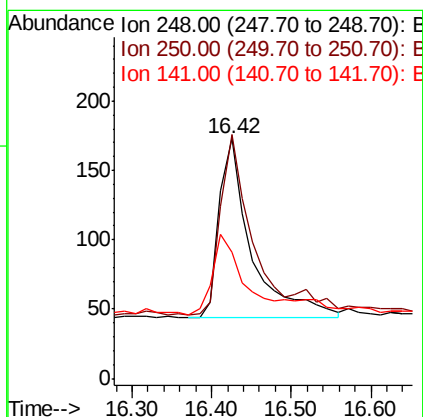
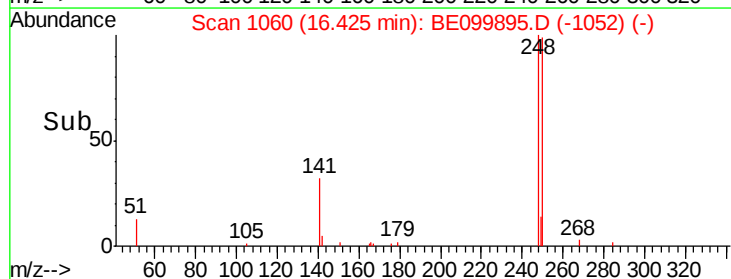
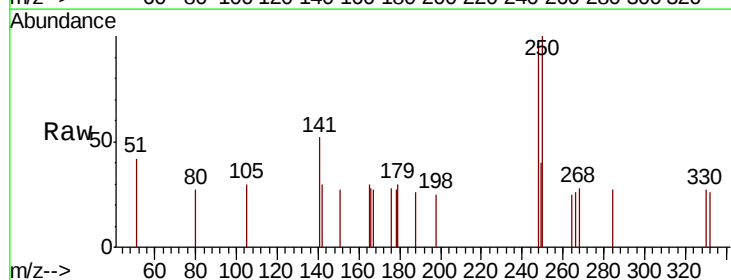
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

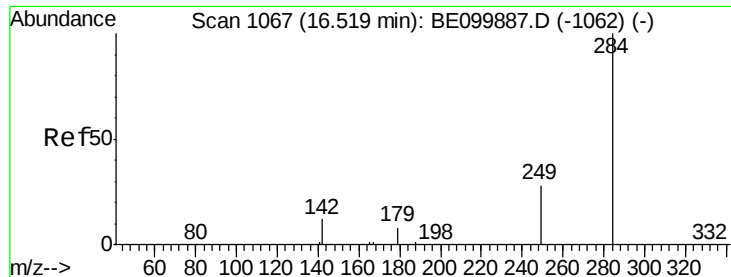
Tgt Ion:188 Resp: 6040
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 6.4 9.6



#20
4-Bromophenyl-phenylether
Concen: 0.106 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:248 Resp: 363
Ion Ratio Lower Upper
248 100
250 101.7 77.5 116.3
141 52.6 31.8 47.8#





#21

Hexachlorobenzene

Concen: 0.117 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

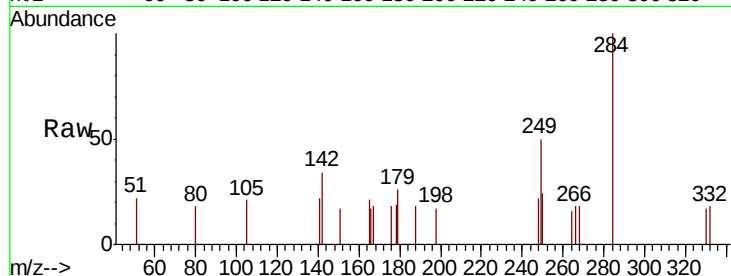
Tgt Ion:284 Resp: 408

Ion Ratio Lower Upper

284 100

142 21.6 18.2 27.4

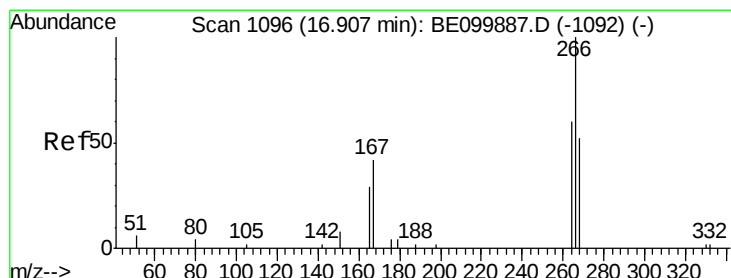
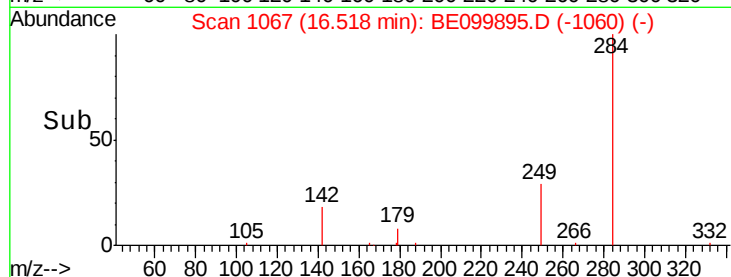
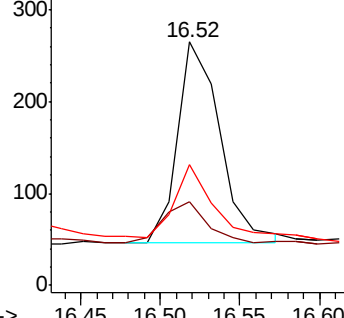
249 30.4 24.6 37.0



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: 0.304 ng

RT: 16.95 min Scan# 1099

Delta R.T. 0.04 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

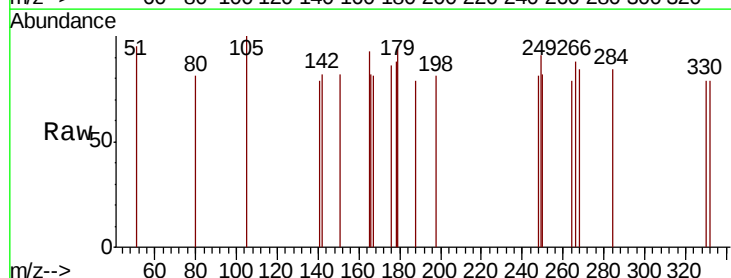
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 90.0 62.2 93.2

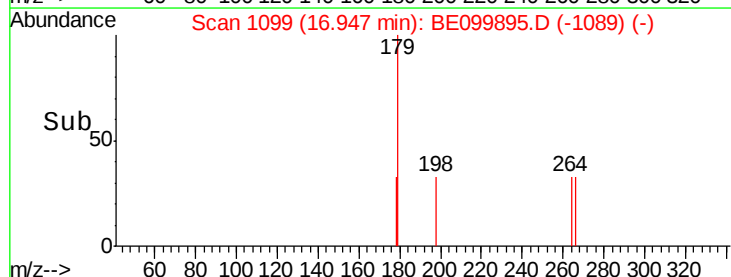
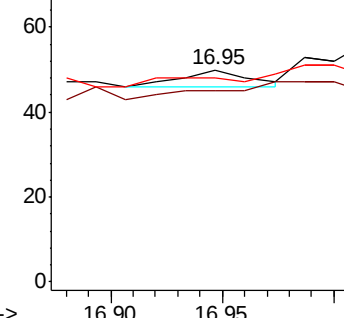
268 96.0 65.5 98.3

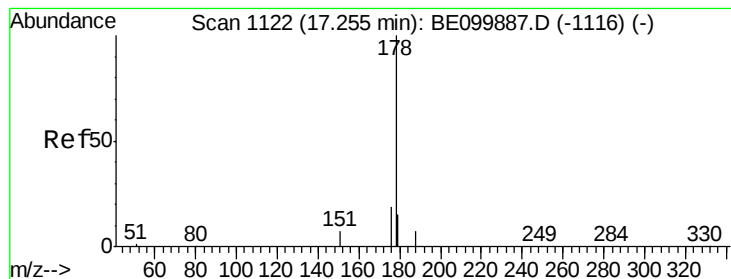


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.107 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

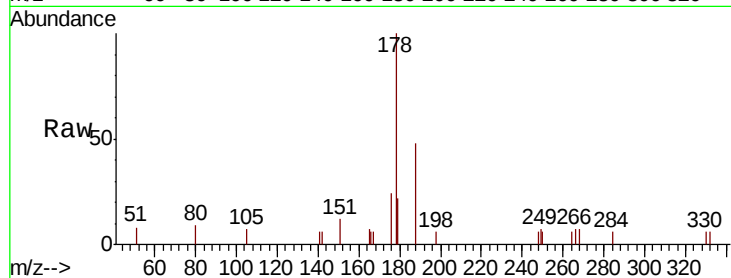
Tgt Ion:178 Resp: 1574

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

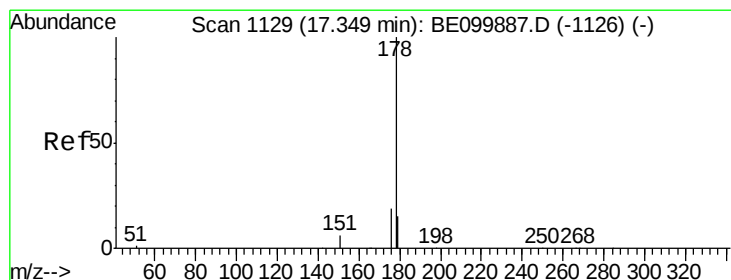
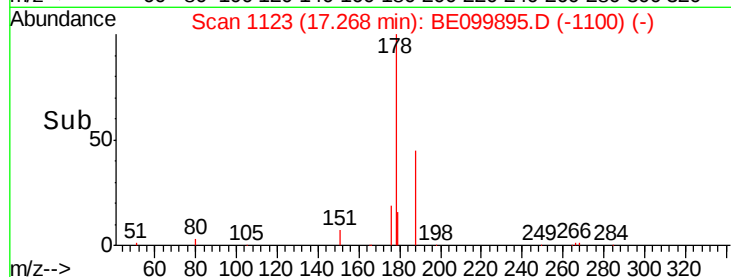
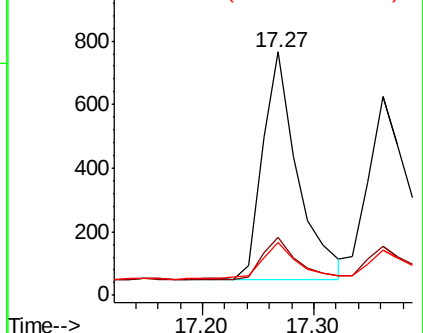
179 16.7 12.4 18.6



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: 0.095 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

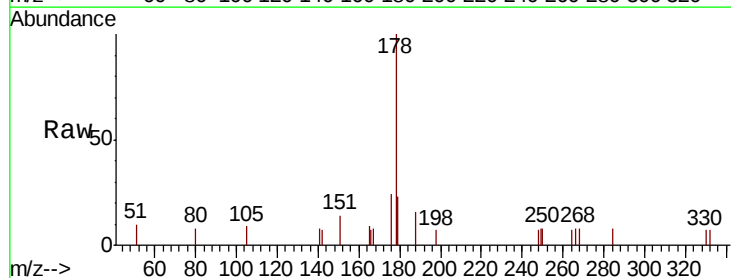
Tgt Ion:178 Resp: 1271

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

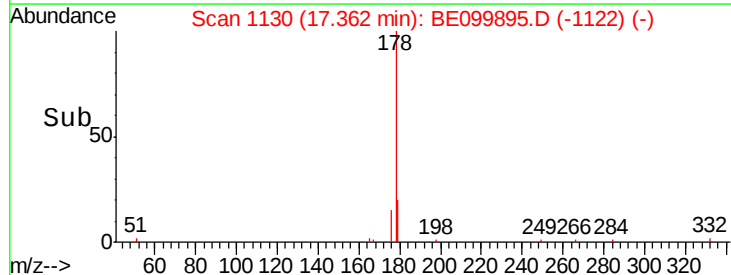
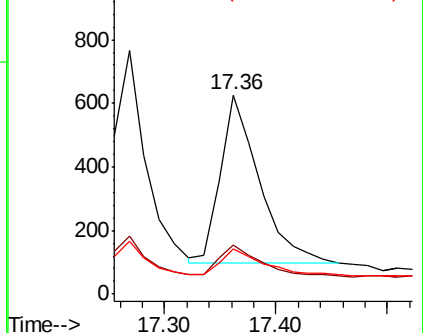
179 14.9 12.3 18.5

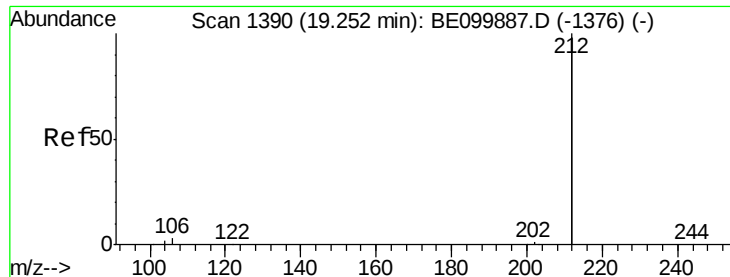


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

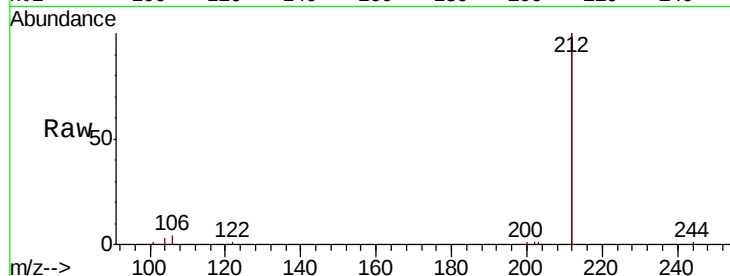
Tgt Ion:212 Resp: 32213

Ion Ratio Lower Upper

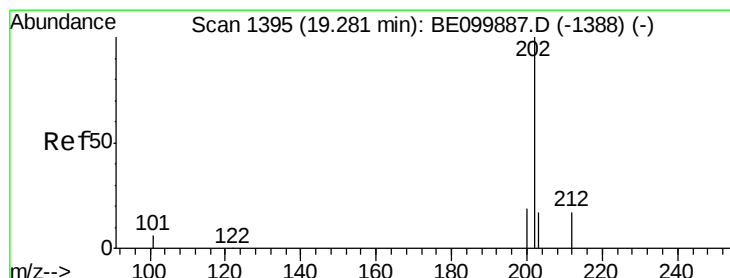
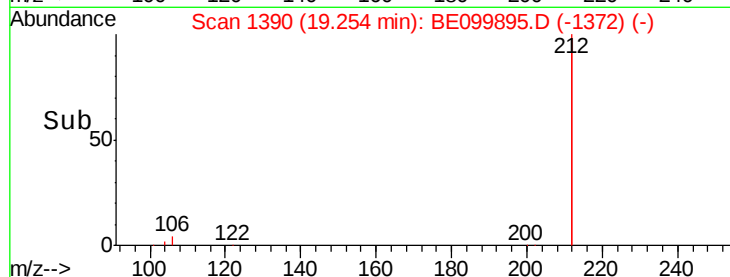
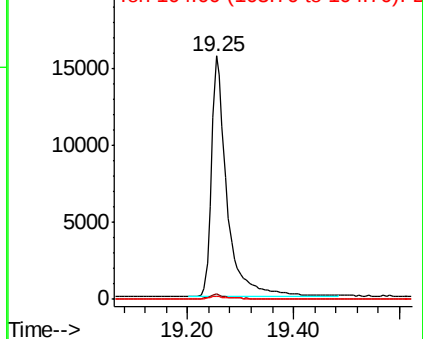
212 100

106 1.8 1.4 2.2

104 1.1 0.9 1.3



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: 0.110 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

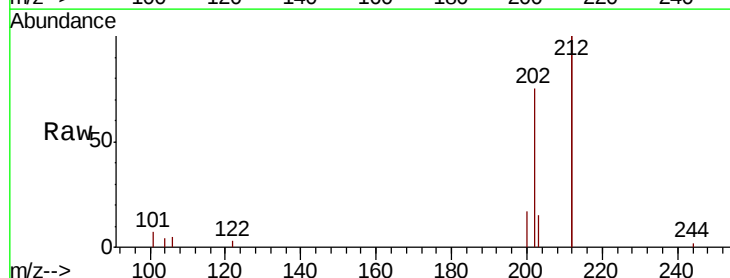
Tgt Ion:202 Resp: 2739

Ion Ratio Lower Upper

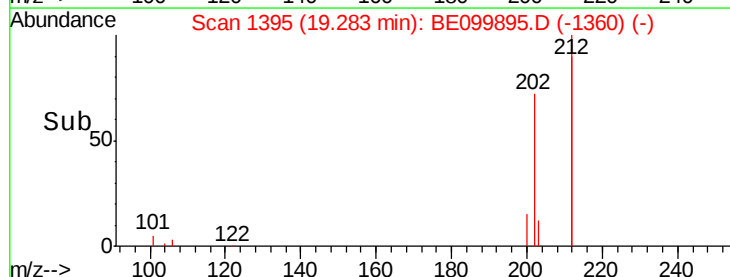
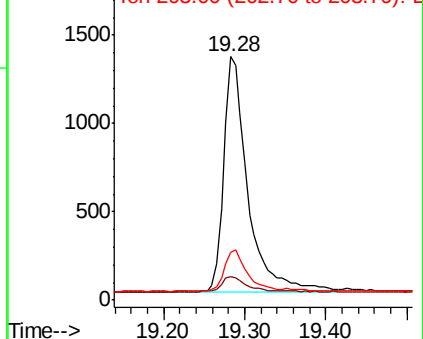
202 100

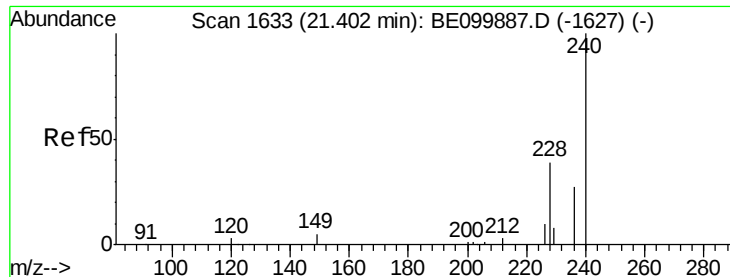
101 6.5 5.4 8.0

203 16.5 13.2 19.8



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

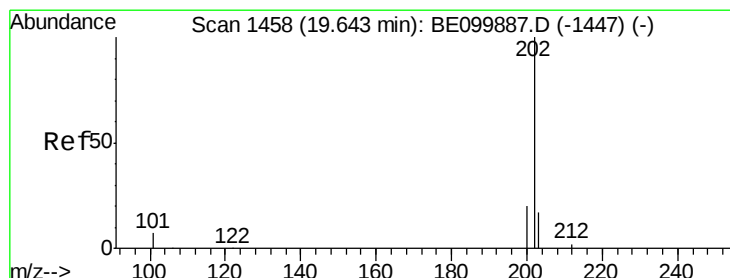
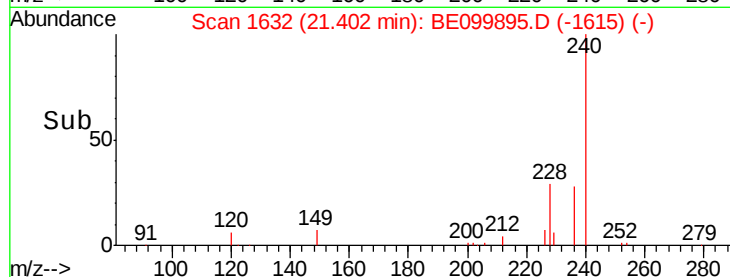
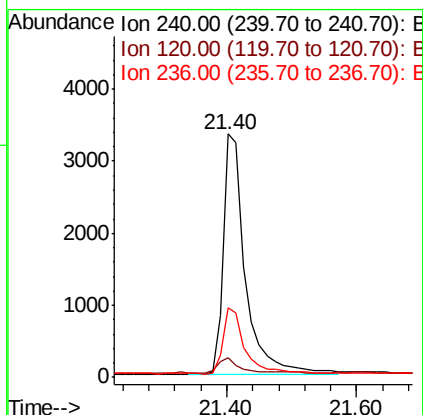
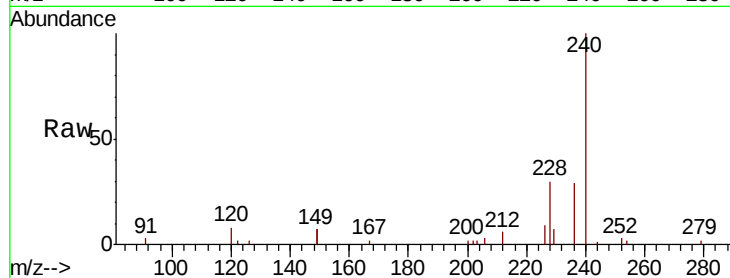




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

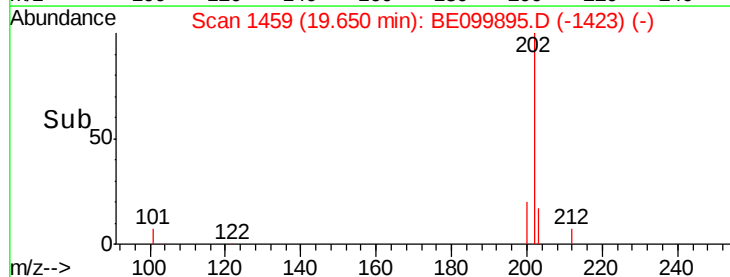
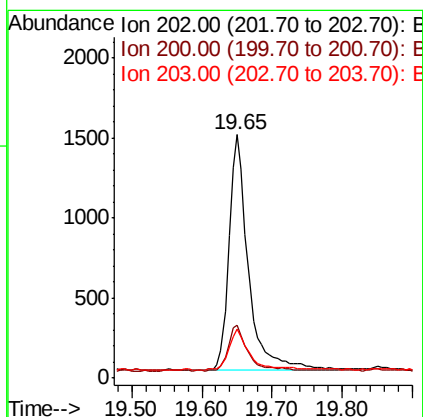
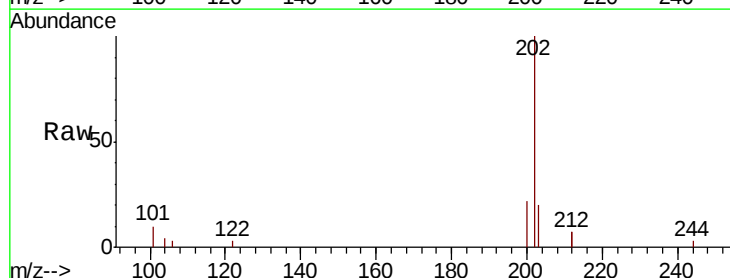
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

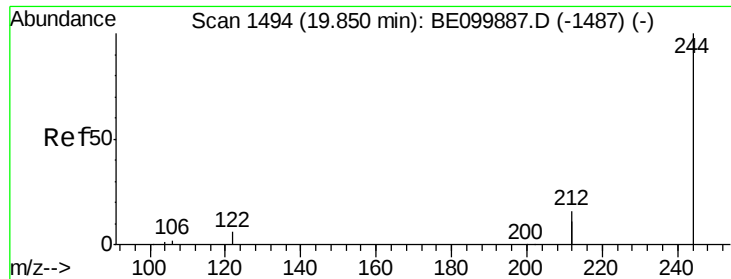
Tgt Ion:240 Resp: 7962
Ion Ratio Lower Upper
240 100
120 7.9 3.8 5.6#
236 28.8 22.0 33.0



#28
Pyrene
Concen: 0.136 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BE099895.D
Acq: 10 Jun 2019 18:08

Tgt Ion:202 Resp: 2843
Ion Ratio Lower Upper
202 100
200 18.6 15.5 23.3
203 17.1 14.0 21.0





#29

Terphenyl-d14

Concen: 0.895 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

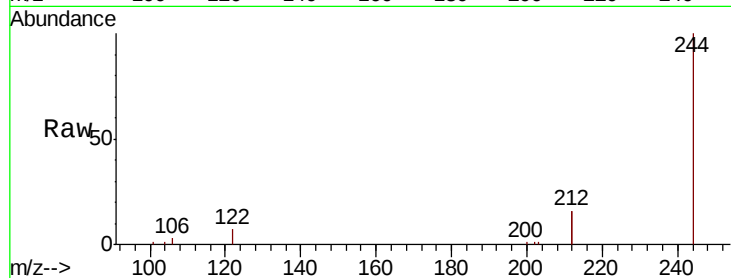
Tgt Ion:244 Resp: 12822

Ion Ratio Lower Upper

244 100

212 31.5 25.7 38.5

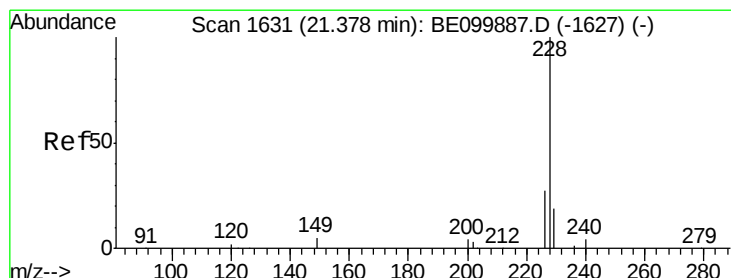
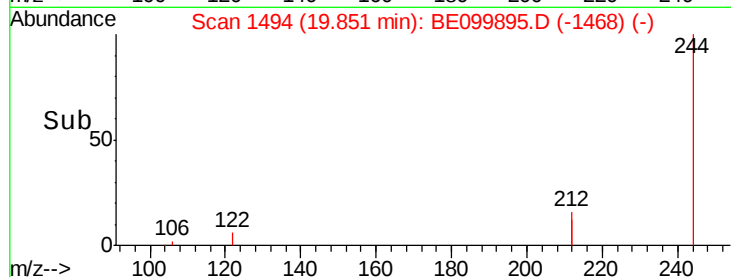
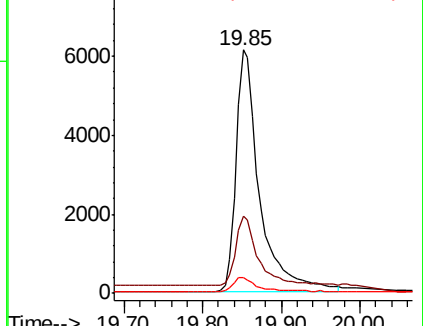
122 6.6 5.5 8.3



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: 0.105 ng

RT: 21.39 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

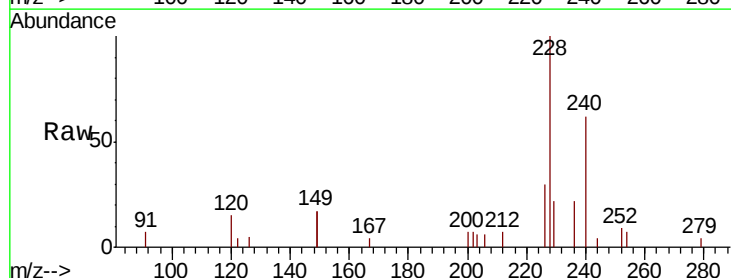
Tgt Ion:228 Resp: 2506

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

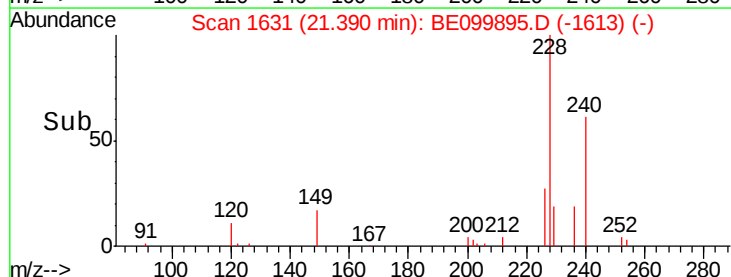
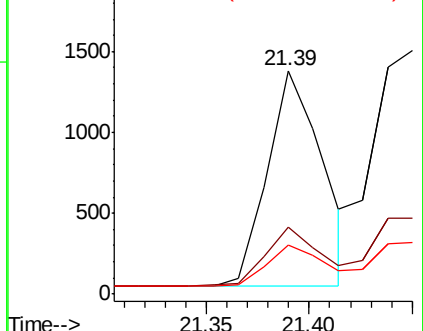
229 21.9 15.9 23.9

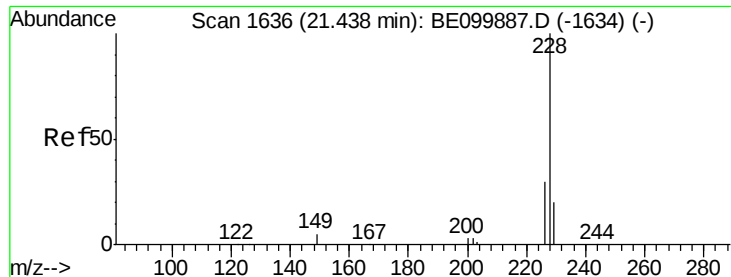


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.134 ng

RT: 21.45 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

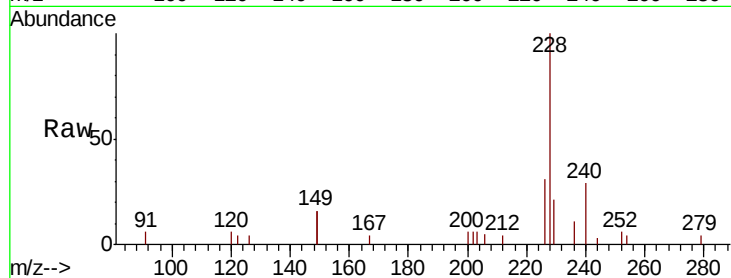
Tgt Ion:228 Resp: 3291

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

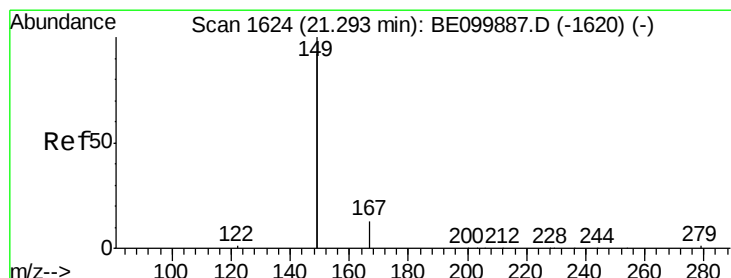
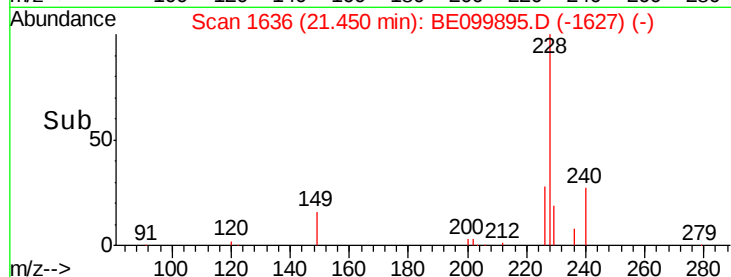
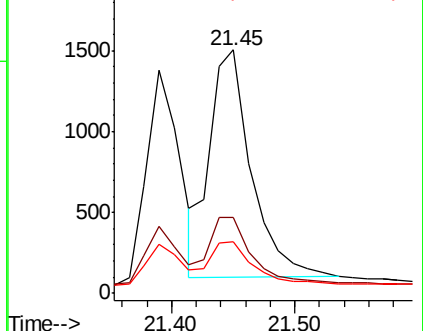
229 21.3 16.1 24.1



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: 0.112 ng

RT: 21.31 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

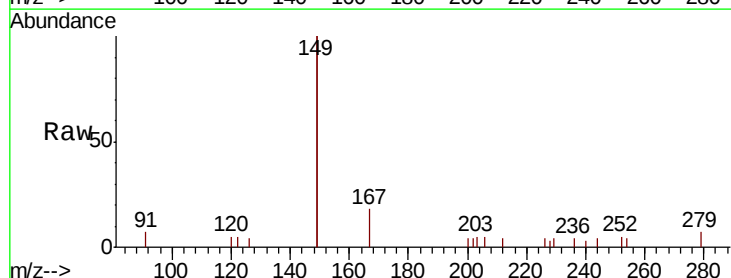
Tgt Ion:149 Resp: 3832

Ion Ratio Lower Upper

149 100

167 7.2 5.9 8.9

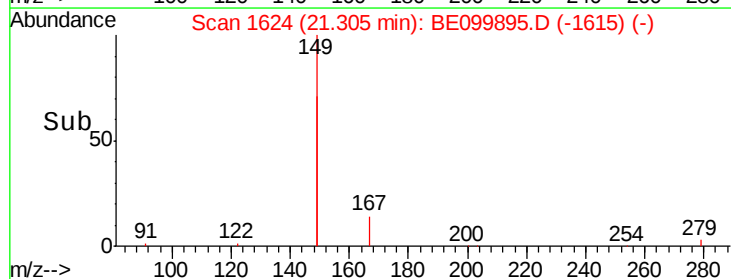
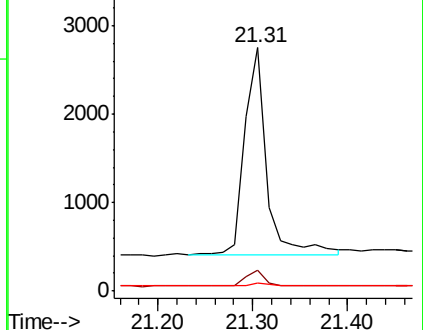
279 1.6 1.2 1.8

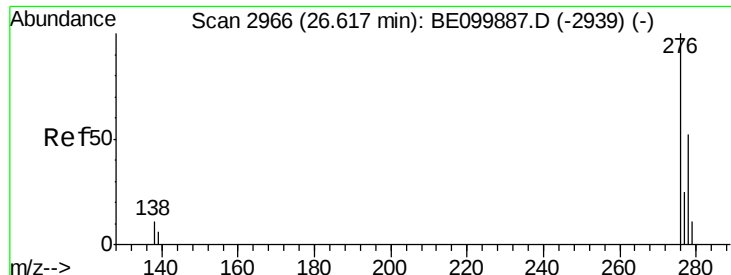


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.121 ng

RT: 26.63 min Scan# 2970

Delta R.T. 0.02 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

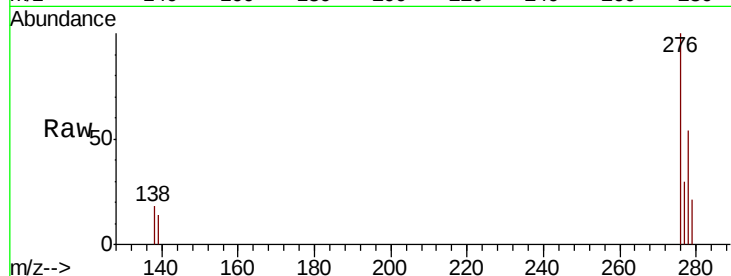
Tgt Ion:276 Resp: 3516

Ion Ratio Lower Upper

276 100

138 5.6 10.1 15.1#

277 22.5 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

26.63

600

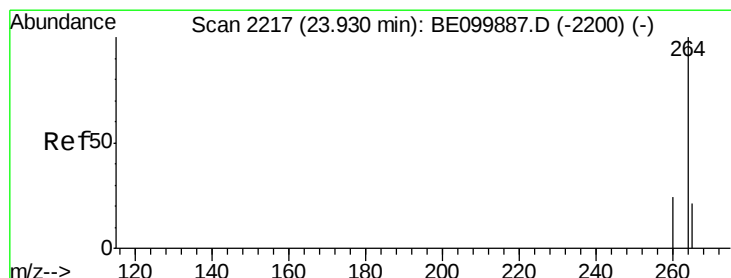
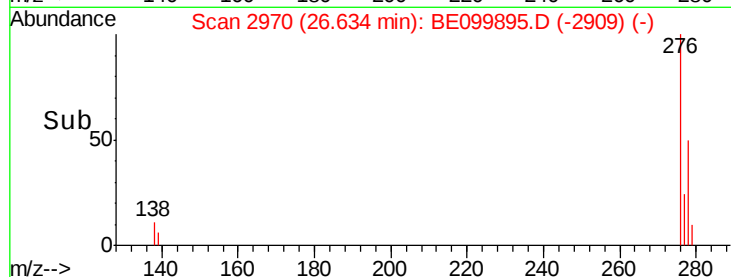
400

200

0

26.60 26.80

Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

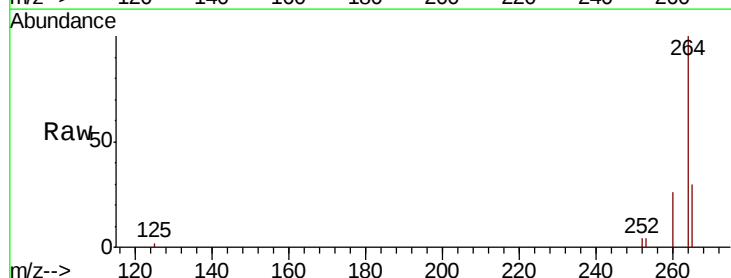
Tgt Ion:264 Resp: 9277

Ion Ratio Lower Upper

264 100

260 26.0 20.2 30.2

265 29.8 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

23.94

4000

3000

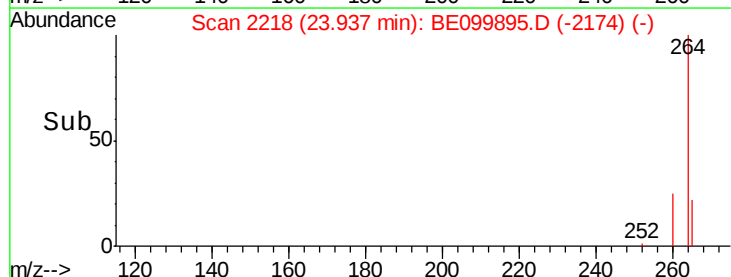
2000

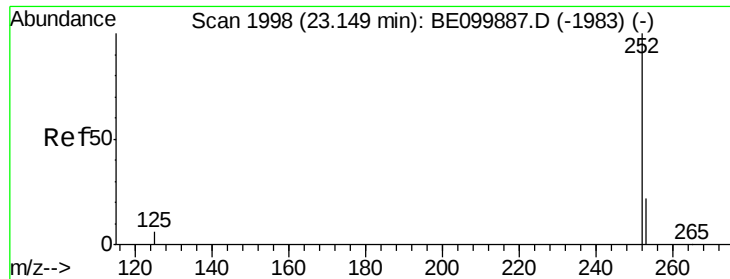
1000

0

23.80 23.90 24.00 24.10

Time-->





#35

Benzo(b)fluoranthene

Concen: 0.107 ng

RT: 23.16 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

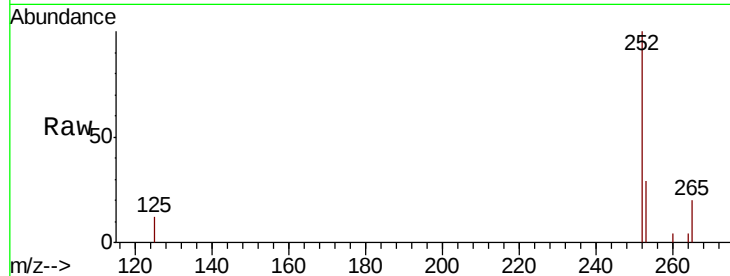
Tgt Ion:252 Resp: 2776

Ion Ratio Lower Upper

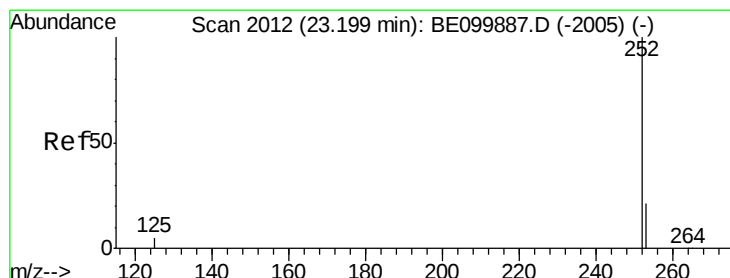
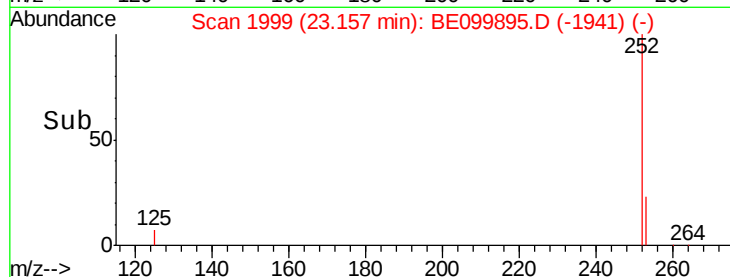
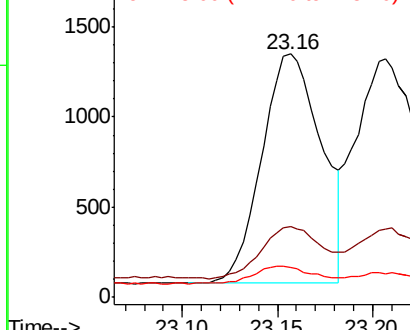
252 100

253 29.2 18.7 28.1#

125 12.1 5.7 8.5#



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: 0.112 ng

RT: 23.21 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

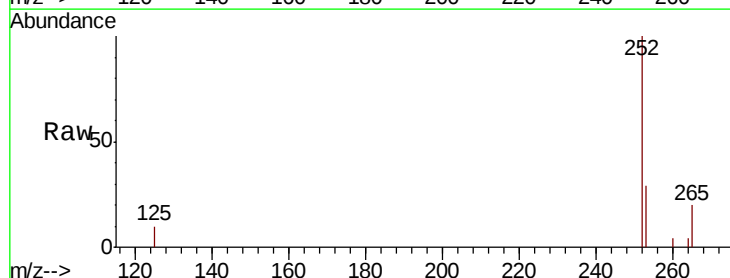
Tgt Ion:252 Resp: 3049

Ion Ratio Lower Upper

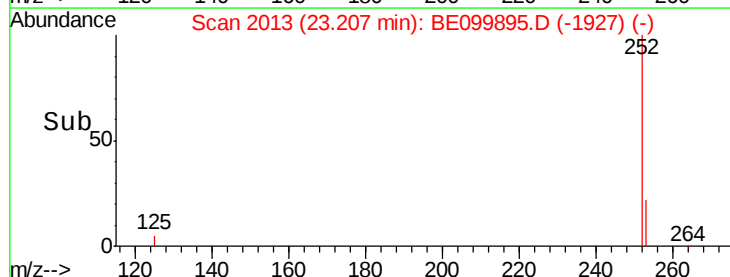
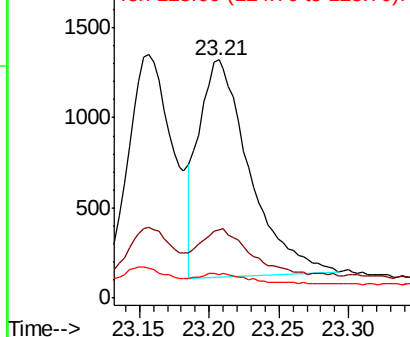
252 100

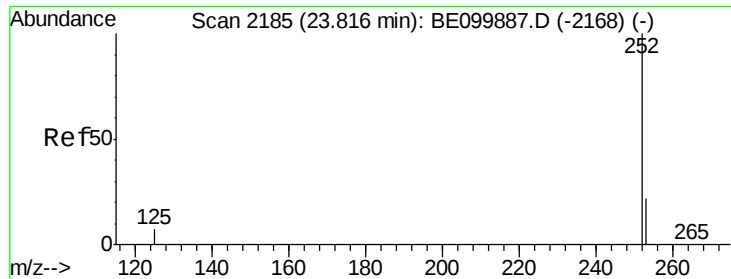
253 28.8 18.6 28.0#

125 10.1 5.4 8.0#



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





#37

Benzo(a)pyrene

Concen: 0.121 ng

RT: 23.82 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

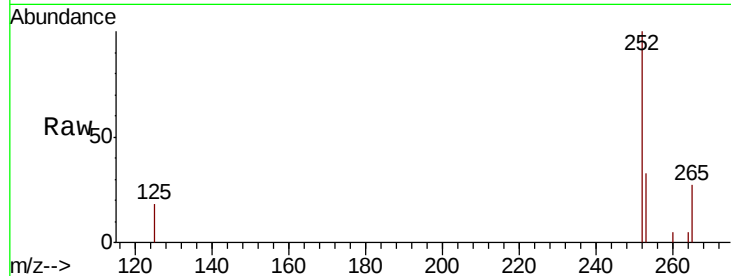
Tgt Ion: 252 Resp: 3111

Ion Ratio Lower Upper

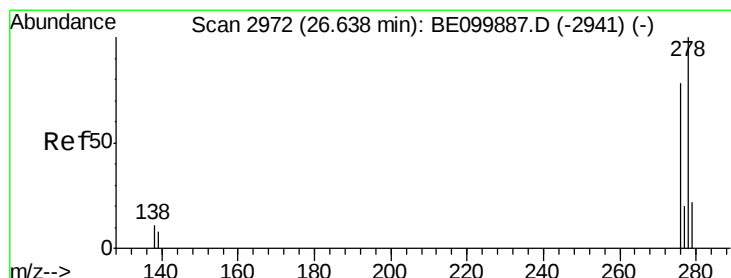
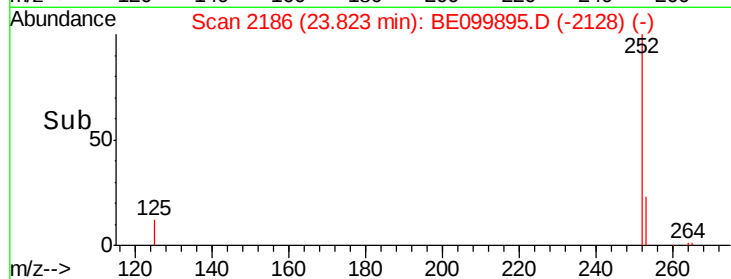
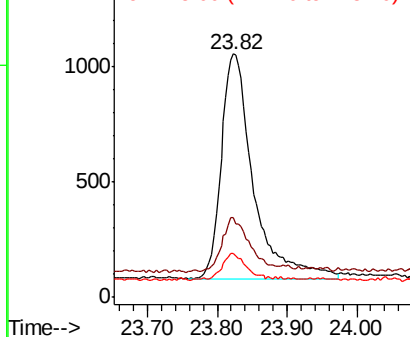
252 100

253 32.5 19.6 29.4#

125 18.0 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: 0.107 ng

RT: 26.66 min Scan# 2978

Delta R.T. 0.02 min

Lab File: BE099895.D

Acq: 10 Jun 2019 18:08

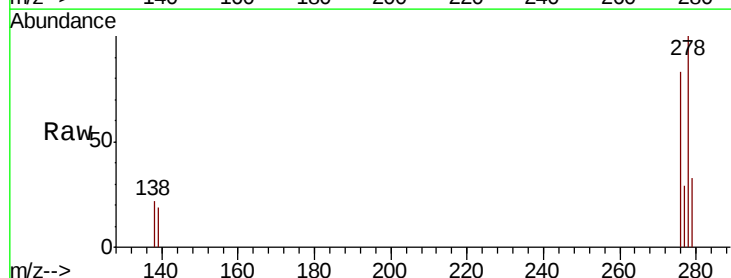
Tgt Ion: 278 Resp: 2759

Ion Ratio Lower Upper

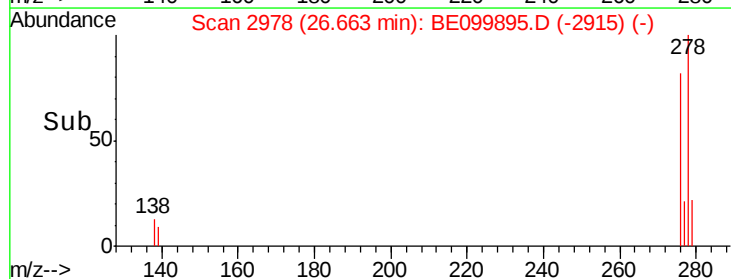
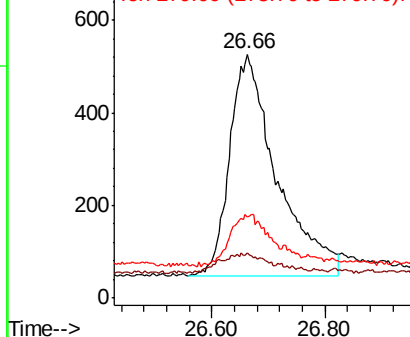
278 100

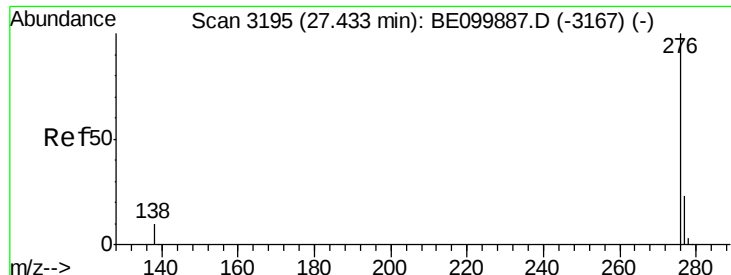
139 18.6 7.8 11.8#

279 33.5 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: 0.117 ng

RT: 27.45 min Scan# 3198

Delta R.T. 0.01 min

Lab File: BE099895.D

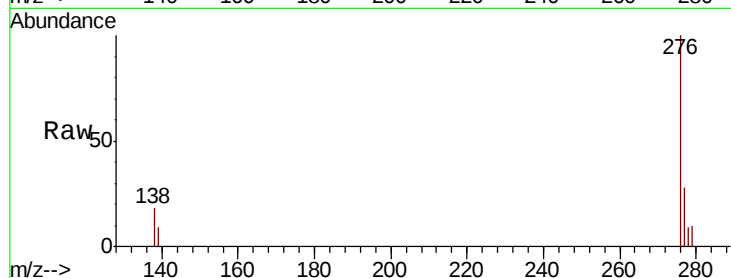
Acq: 10 Jun 2019 18:08

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



Tgt Ion: 276 Resp: 3106

Ion Ratio Lower Upper

276 100

277 28.2 19.5 29.3

138 18.0 9.5 14.3#

