

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006613.D
 Acq On : 28 Jun 2019 15:14
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-S-0.2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 29 01:10:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 13:47:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	3103	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	12785	0.40	ng	0.00
13) Acenaphthene-d10	14.28	164	8375	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	19480	0.40	ng	0.00
27) Chrysene-d12	21.26	240	19357	0.40	ng	-0.01
34) Perylene-d12	23.50	264	20816	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	2893	0.38	ng	0.00
5) Phenol-d6	6.84	99	3665	0.36	ng	0.00
8) Nitrobenzene-d5	8.82	82	2950	0.34	ng	0.02
11) 2-Methylnaphthalene-d10	12.01	152	7819	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.80	330	1306	0.33	ng	0.01
15) 2-Fluorobiphenyl	12.89	172	12653	0.41	ng	0.00
25) Fluoranthene-d10	19.08	212	21821	0.38	ng	0.00
29) Terphenyl-d14	19.68	244	17477	0.43	ng	0.00

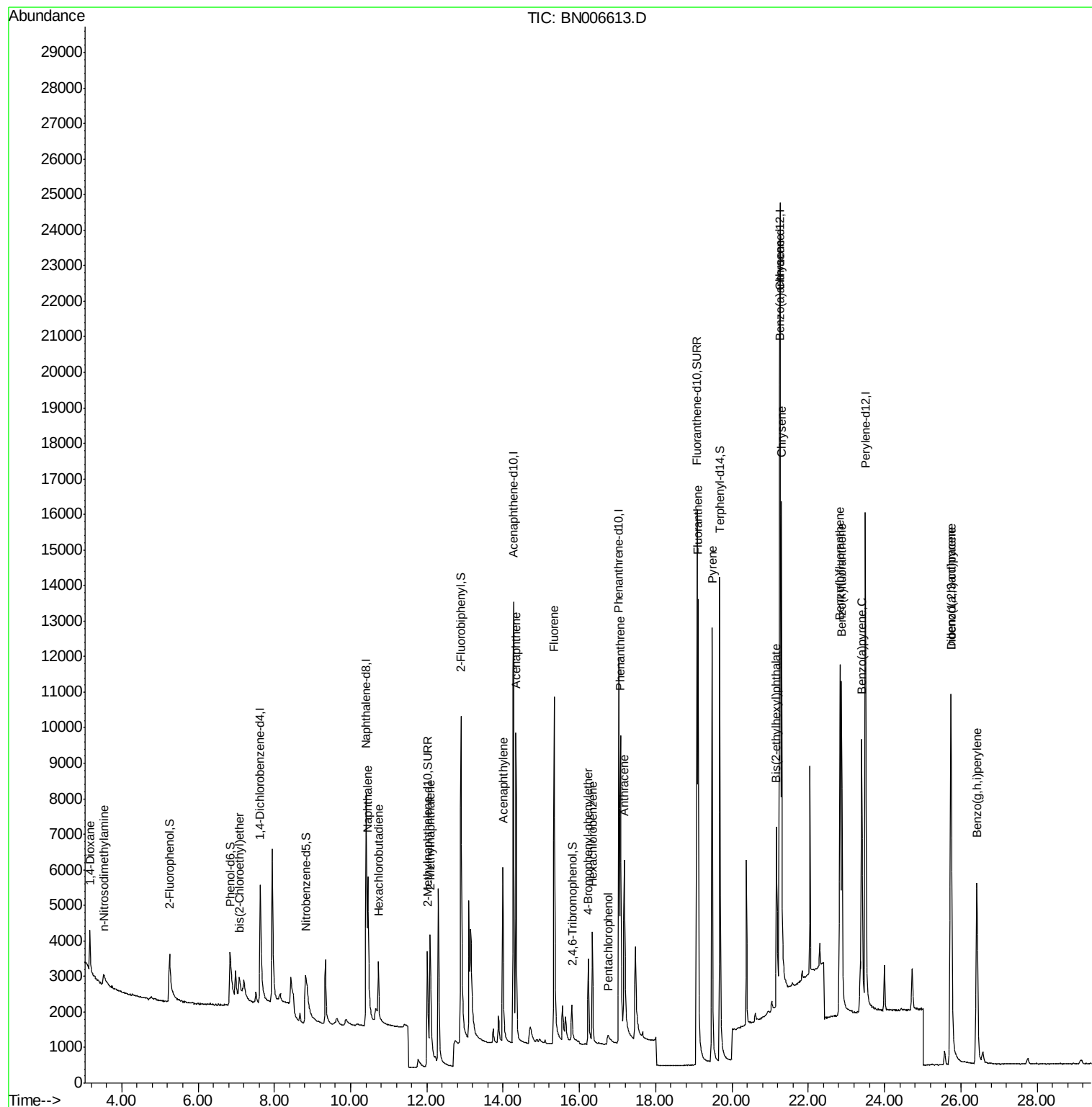
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	953	0.222	ng	94
3) n-Nitrosodimethylamine	3.54	42	372	0.110	ng	# 100
6) bis(2-Chloroethyl)ether	7.08	93	1457	0.162	ng	93
9) Naphthalene	10.45	128	6594	0.196	ng	97
10) Hexachlorobutadiene	10.73	225	1313	0.190	ng	# 100
12) 2-Methylnaphthalene	12.09	142	4556	0.196	ng	98
16) Acenaphthylene	14.00	152	7112	0.178	ng	100
17) Acenaphthene	14.33	154	5011	0.190	ng	99
18) Fluorene	15.34	166	6155	0.185	ng	99
20) 4-Bromophenyl-phenylether	16.23	248	1840	0.170	ng	# 87
21) Hexachlorobenzene	16.34	284	2575	0.189	ng	98
22) Pentachlorophenol	16.75	266	538	0.365	ng	94
23) Phenanthrene	17.08	178	10266	0.185	ng	100
24) Anthracene	17.17	178	8042	0.167	ng	100
26) Fluoranthene	19.11	202	12957	0.192	ng	100
28) Pyrene	19.48	202	13298	0.196	ng	100
30) Benzo(a)anthracene	21.25	228	10876	0.172	ng	99
31) Chrysene	21.30	228	13409	0.197	ng	100
32) Bis(2-ethylhexyl)phthalate	21.16	149	4478	0.141	ng	99
33) Indeno(1,2,3-cd)pyrene	25.74	276	13545	0.196	ng	99
35) Benzo(b)fluoranthene	22.83	252	13037	0.184	ng	95
36) Benzo(k)fluoranthene	22.87	252	14460	0.192	ng	95
37) Benzo(a)pyrene	23.40	252	13247	0.200	ng	# 92
38) Dibenzo(a,h)anthracene	25.75	278	10931	0.189	ng	95
39) Benzo(g,h,i)perylene	26.42	276	11414	0.198	ng	98

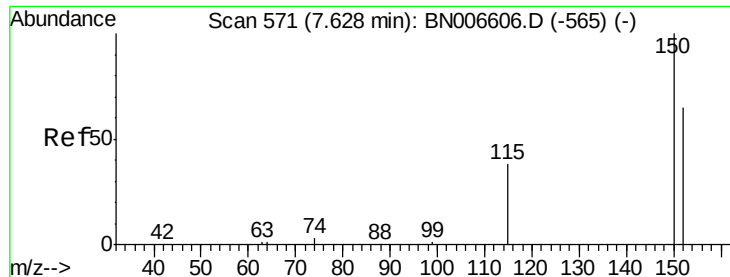
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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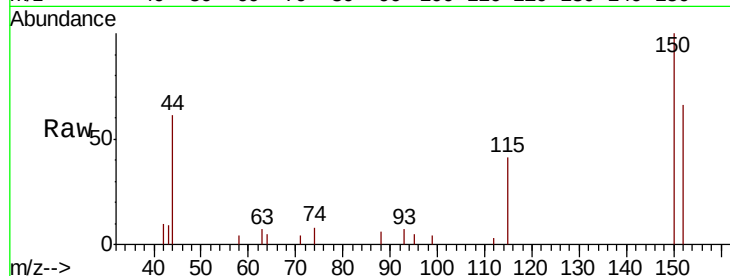


#1

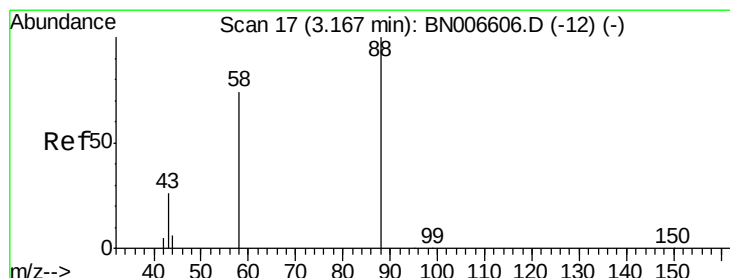
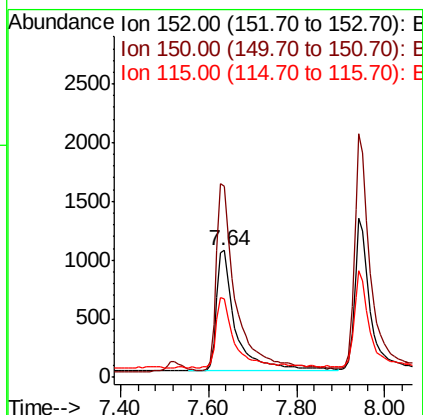
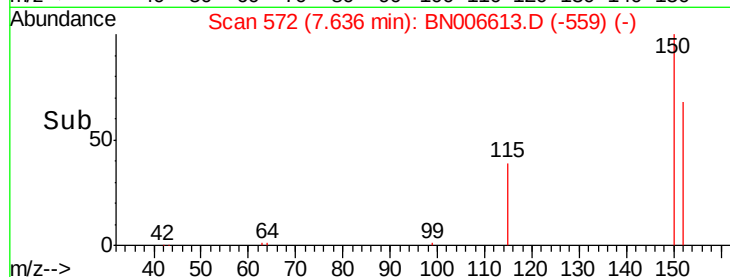
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 572
Delta R.T. 0.01 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 152 Resp: 3103
Ion Ratio Lower Upper
152 100
150 150.4 122.2 183.2
115 62.0 50.0 75.0



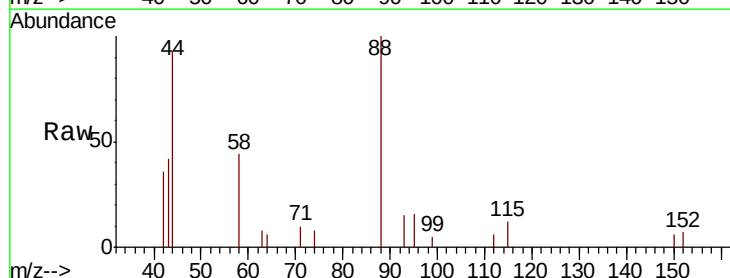
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



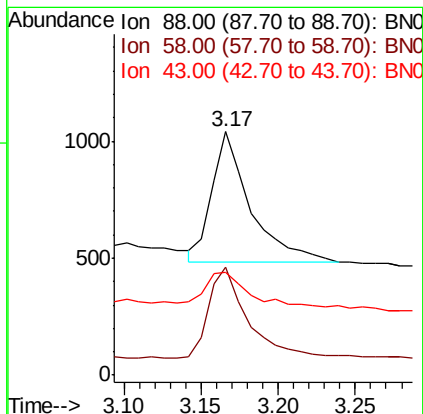
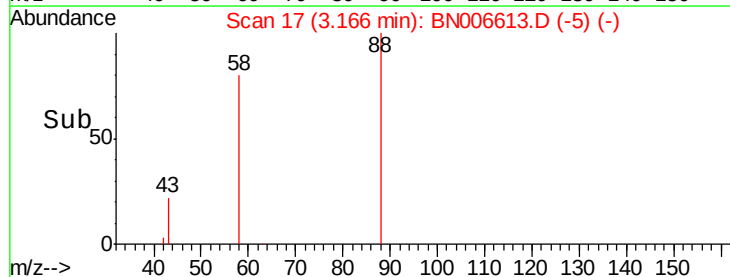
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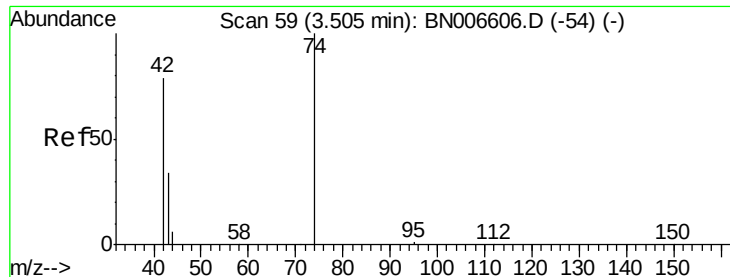
1,4-Dioxane
Concen: 0.222 ng
RT: 3.17 min Scan# 17
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion: 88 Resp: 953
Ion Ratio Lower Upper
88 100
58 72.0 62.5 93.7
43 29.5 25.4 38.0



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





#3

n-Nitrosodimethylamine

Concen: 0.110 ng

RT: 3.54 min Scan# 63

Delta R.T. 0.03 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

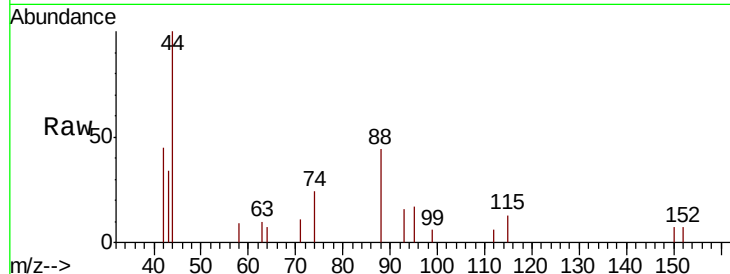
Tgt Ion: 42 Resp: 372

Ion Ratio Lower Upper

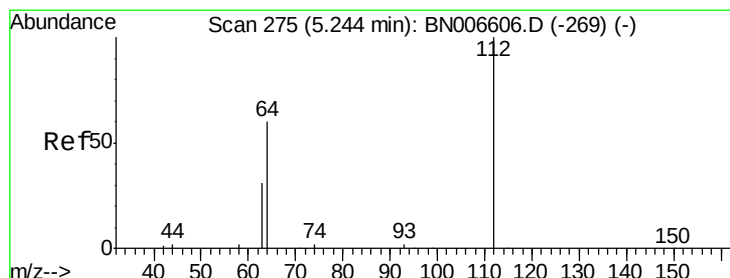
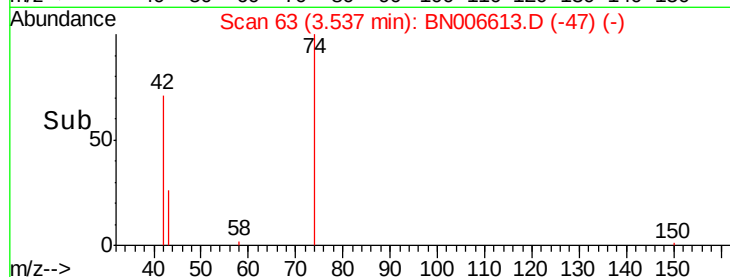
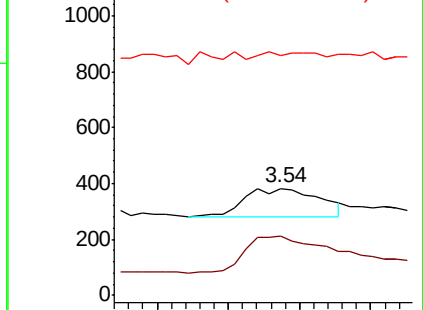
42 100

74 129.0 103.1 154.7

44 7.3 3.4 5.2#



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



#4

2-Fluorophenol

Concen: 0.380 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

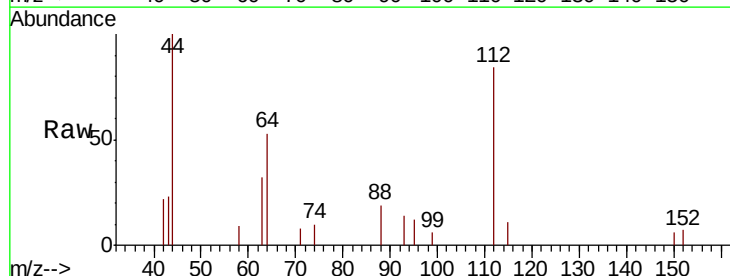
Tgt Ion: 112 Resp: 2893

Ion Ratio Lower Upper

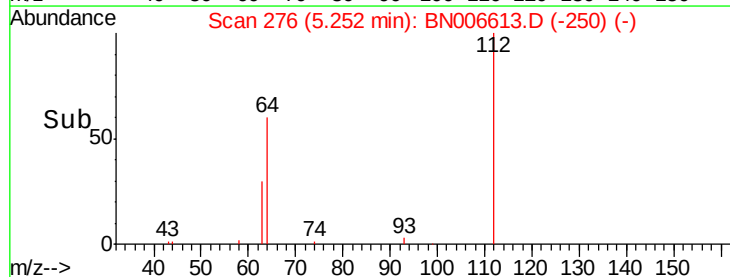
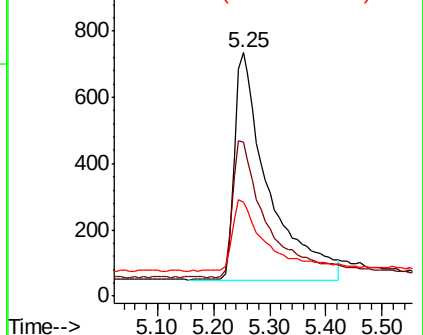
112 100

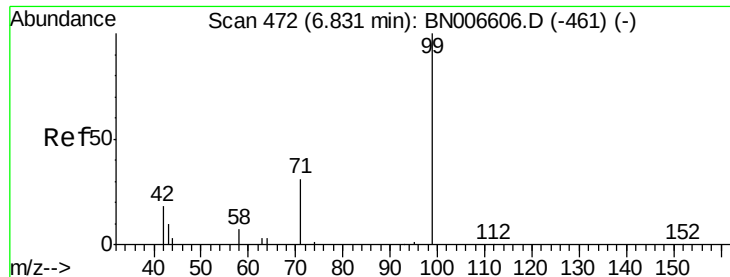
64 60.7 48.9 73.3

63 30.0 24.3 36.5



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





#5

Phenol-d6

Concen: 0.364 ng

RT: 6.84 min Scan# 473

Delta R.T. 0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

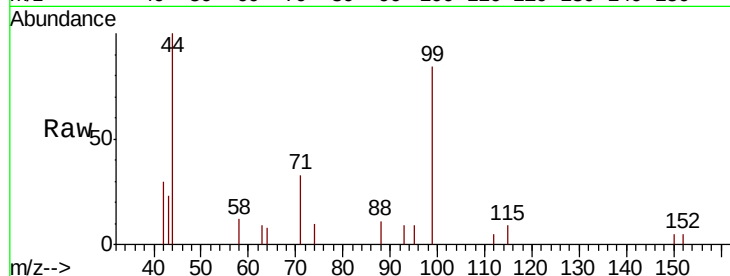
Tgt Ion: 99 Resp: 3665

Ion Ratio Lower Upper

99 100

42 21.7 16.4 24.6

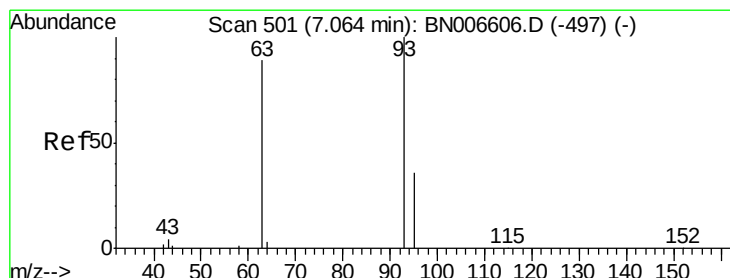
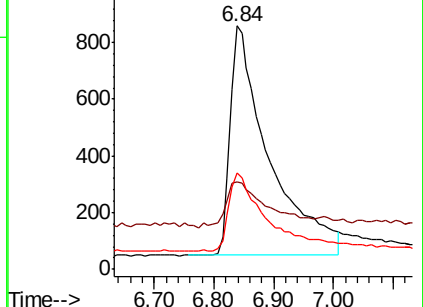
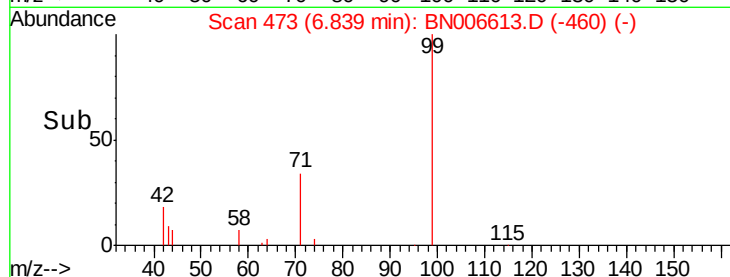
71 33.5 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN006613.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006613.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006613.D (-460) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.162 ng

RT: 7.08 min Scan# 503

Delta R.T. 0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

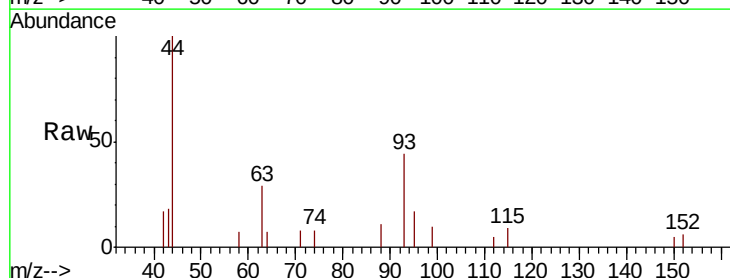
Tgt Ion: 93 Resp: 1457

Ion Ratio Lower Upper

93 100

63 58.2 52.5 78.7

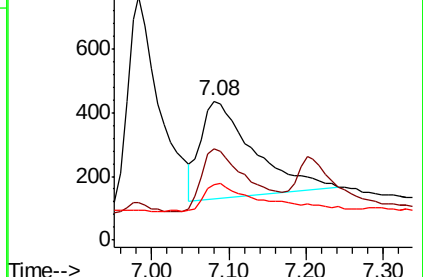
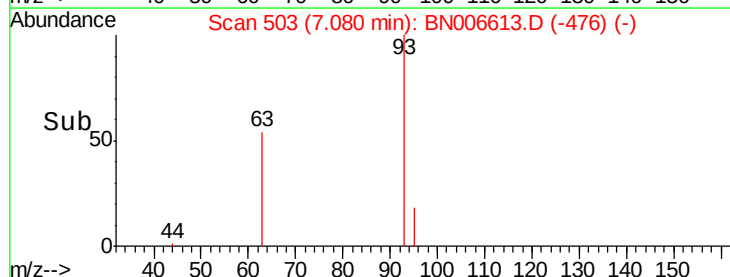
95 31.3 24.2 36.4

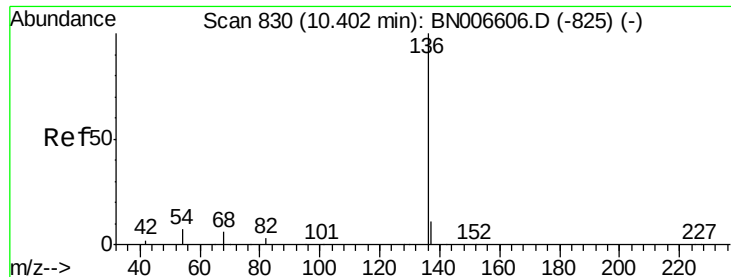


Abundance Ion 93.00 (92.70 to 93.70): BN006613.D (-476) (-)

Ion 63.00 (62.70 to 63.70): BN006613.D (-476) (-)

Ion 95.00 (94.70 to 95.70): BN006613.D (-476) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:136 Resp: 12785

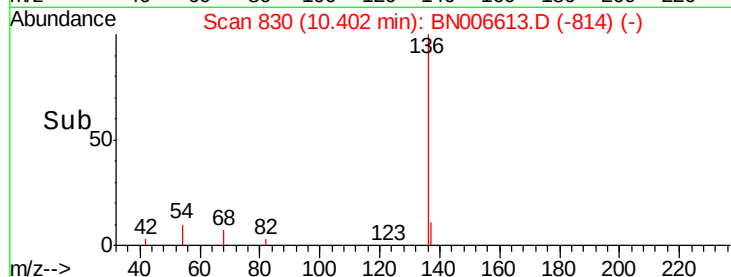
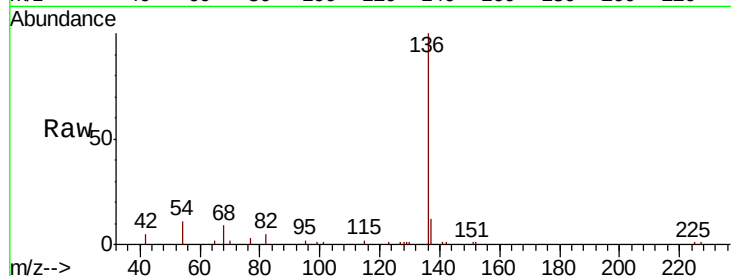
Ion Ratio Lower Upper

136 100

137 11.9 9.3 13.9

54 11.2 6.7 10.1#

68 8.8 5.3 7.9#

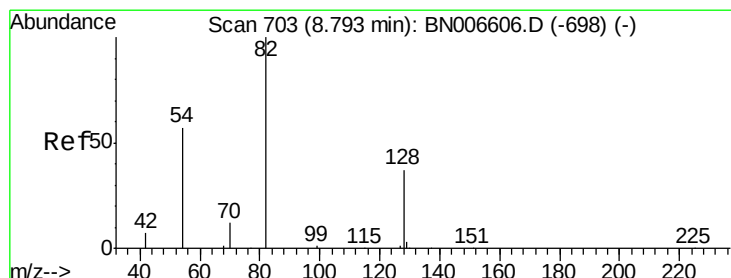
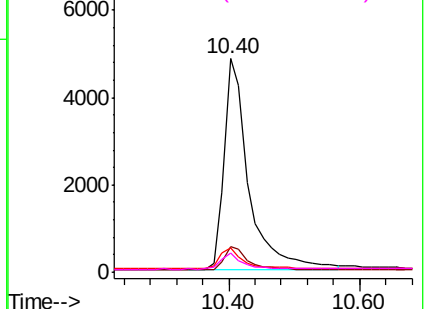


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.343 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

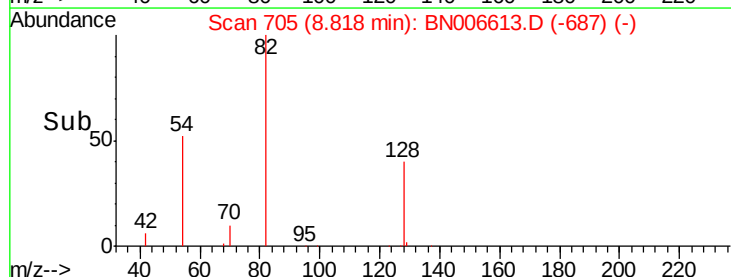
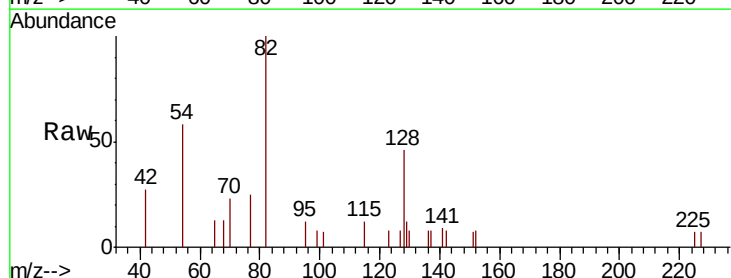
Tgt Ion: 82 Resp: 2950

Ion Ratio Lower Upper

82 100

128 46.2 32.6 49.0

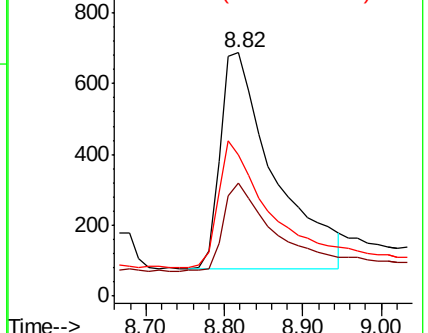
54 58.1 48.2 72.4

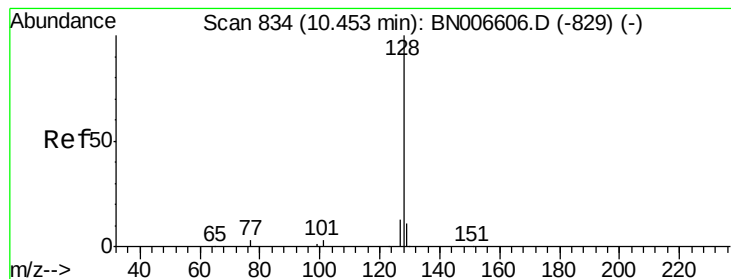


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.196 ng

RT: 10.45 min Scan# 834

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

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ClientSampleId :

LOQ-SOIL-02-QT2-2019

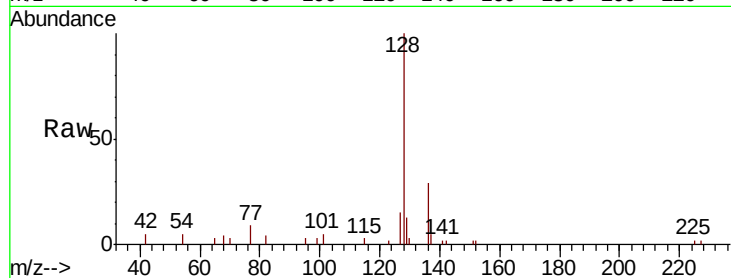
Tgt Ion:128 Resp: 6594

Ion Ratio Lower Upper

128 100

129 12.8 9.3 13.9

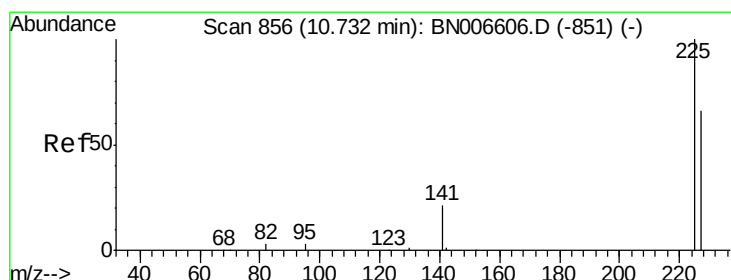
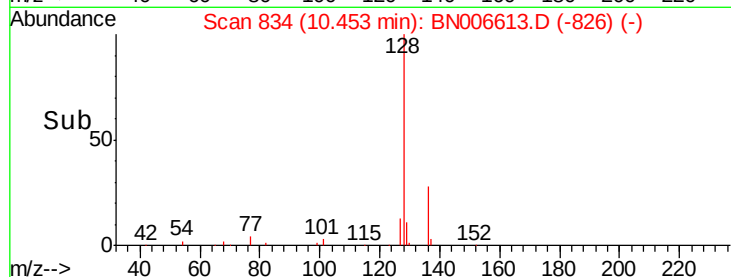
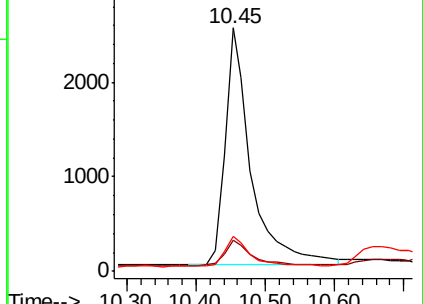
127 14.6 10.8 16.2



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: 0.190 ng

RT: 10.73 min Scan# 856

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

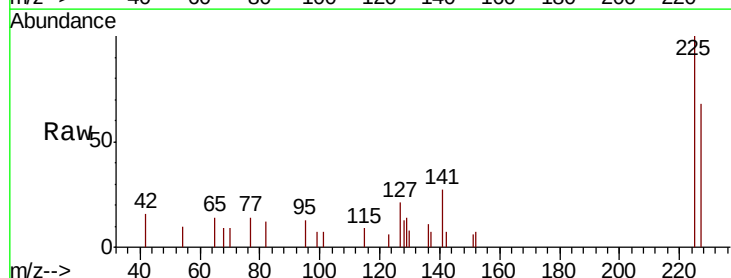
Tgt Ion:225 Resp: 1313

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

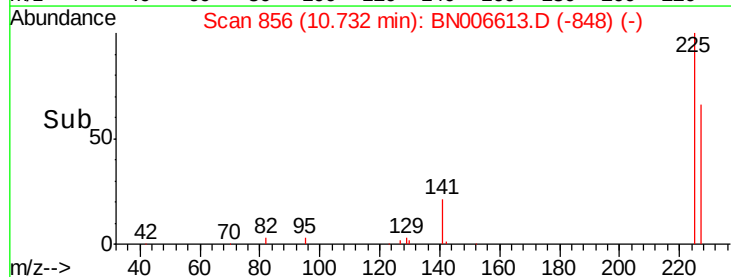
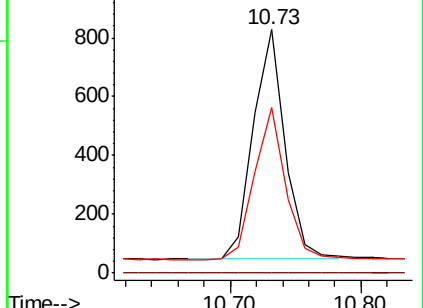
227 64.5 51.4 77.2

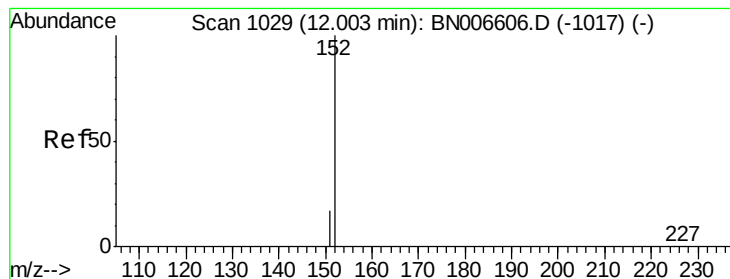


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

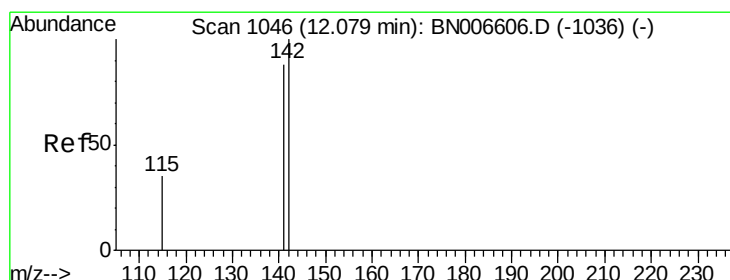
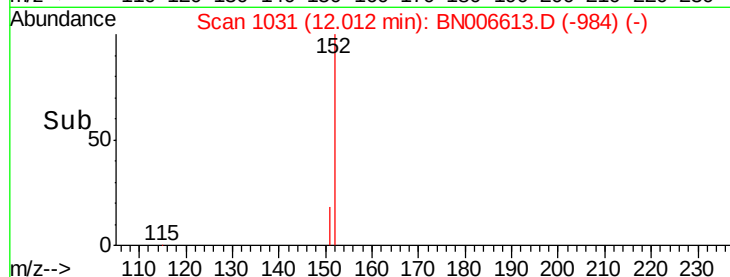
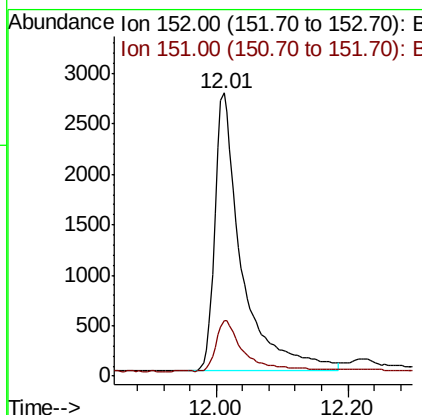
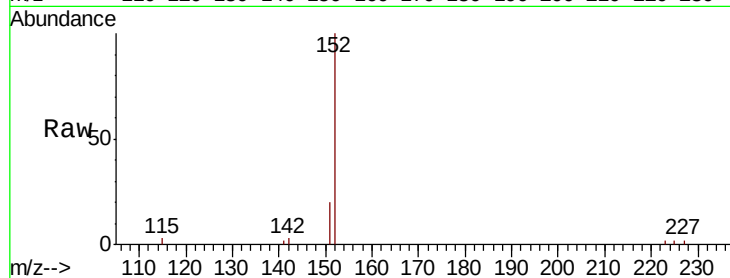




#11
 2-Methylnaphthalene-d10
 Concen: 0.388 ng
 RT: 12.01 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BN006613.D
 Acq: 28 Jun 2019 15:14

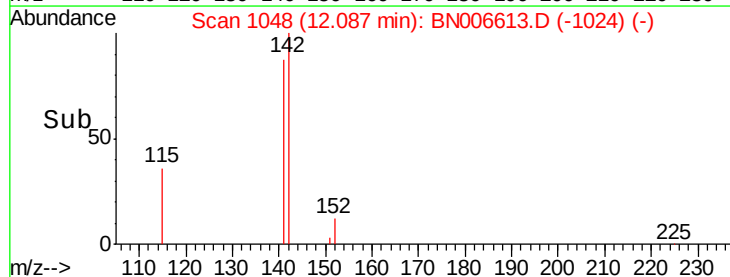
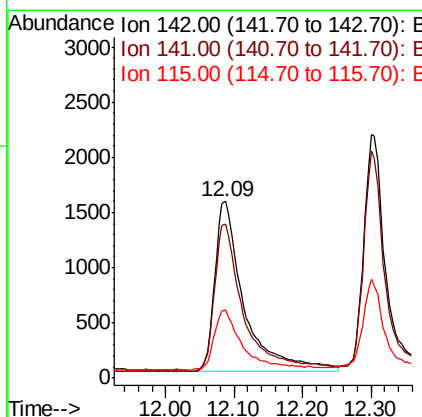
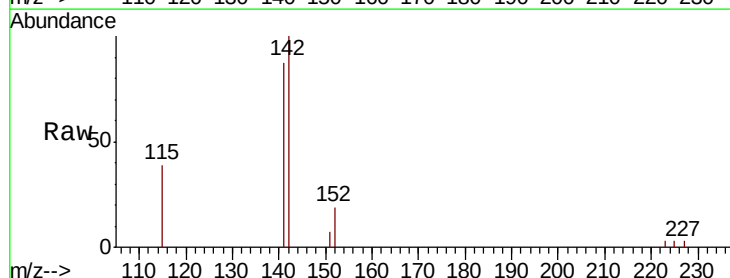
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

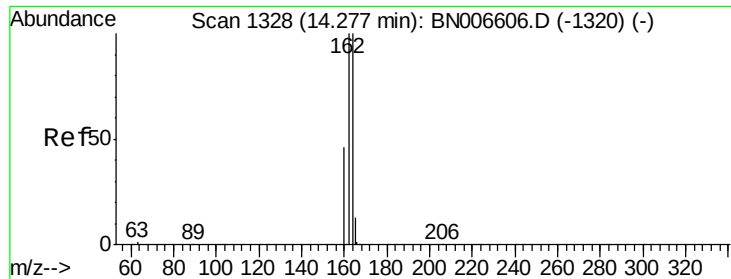
Tgt Ion:152 Resp: 7819
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.196 ng
 RT: 12.09 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BN006613.D
 Acq: 28 Jun 2019 15:14

Tgt Ion:142 Resp: 4556
 Ion Ratio Lower Upper
 142 100
 141 87.1 70.2 105.4
 115 38.9 28.5 42.7

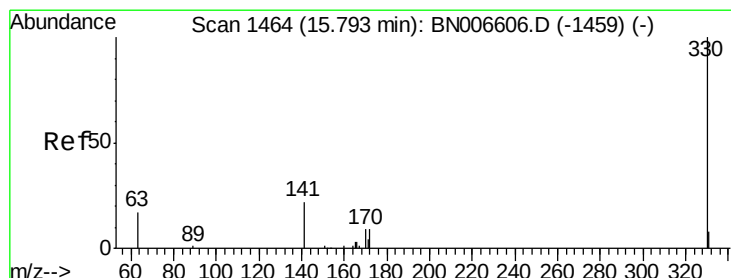
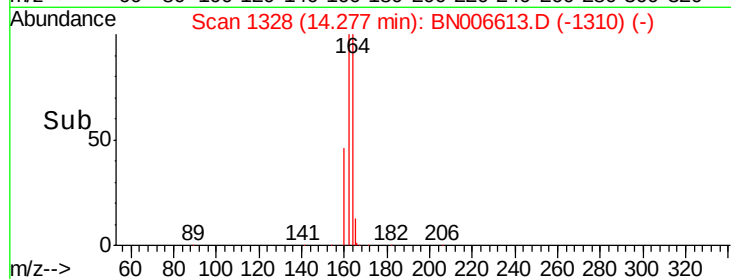
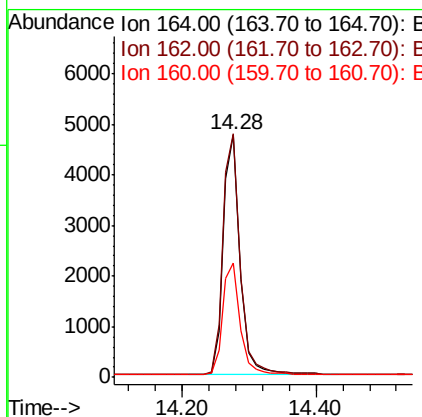
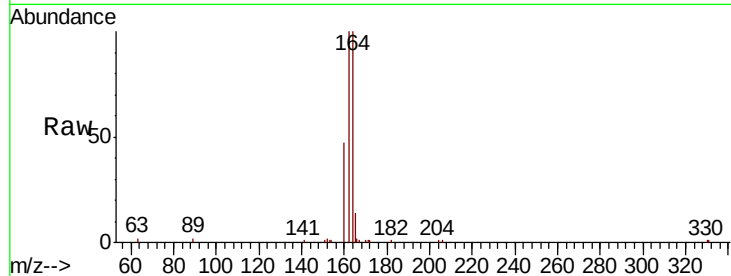




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

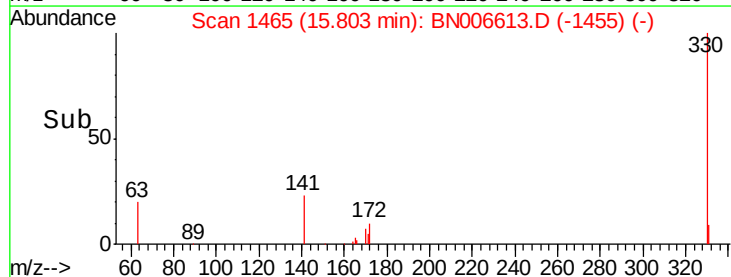
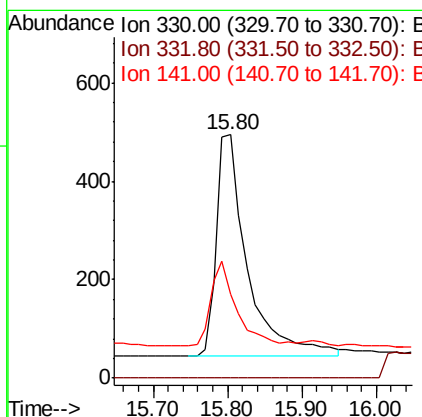
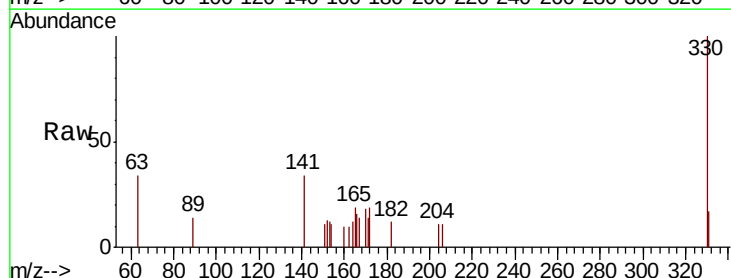
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

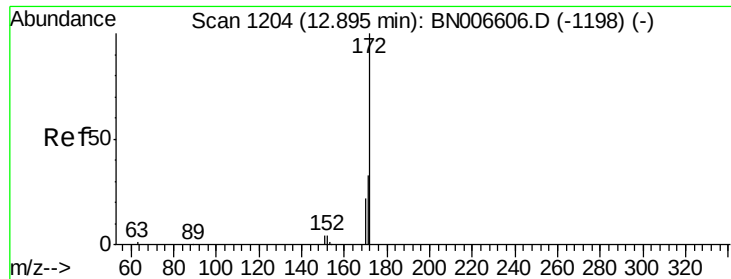
Tgt Ion:164 Resp: 8375
Ion Ratio Lower Upper
164 100
162 100.4 80.0 120.0
160 47.2 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.80 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion:330 Resp: 1306
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.0 26.5 39.7

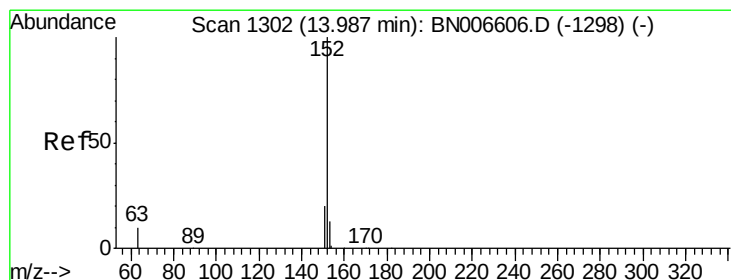
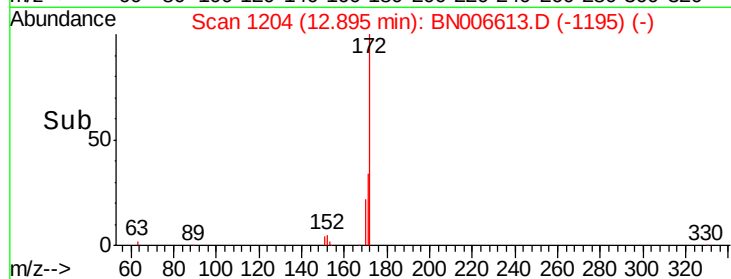
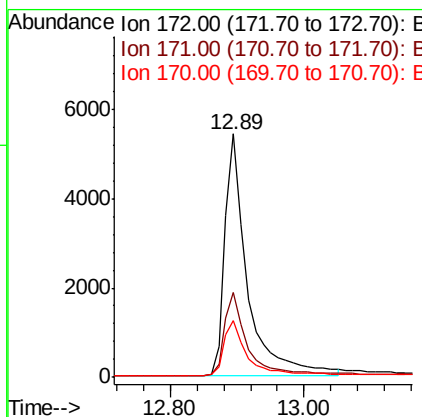
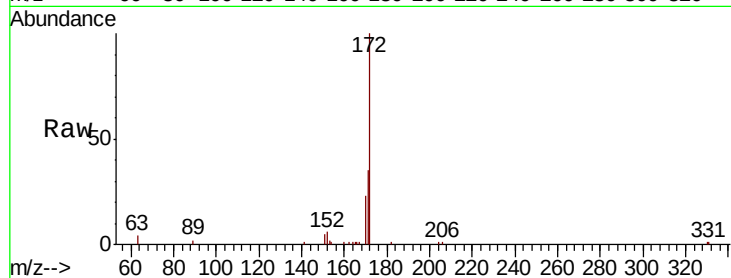




#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 12.89 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

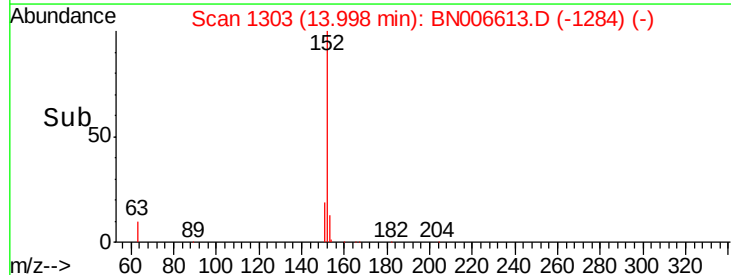
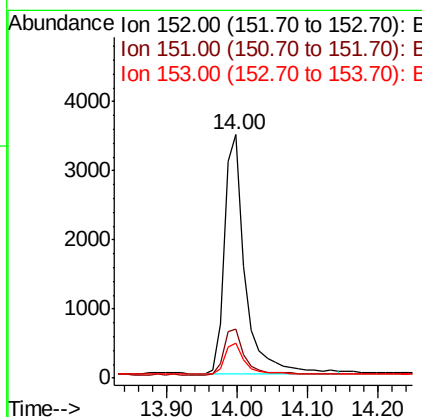
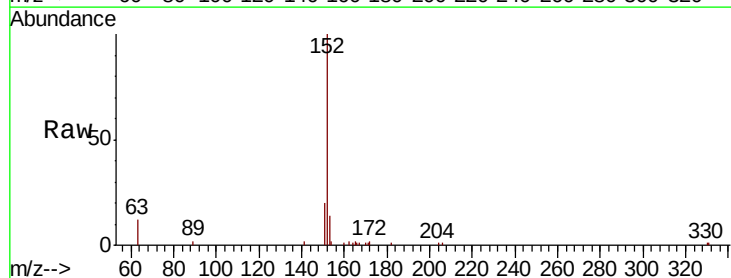
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

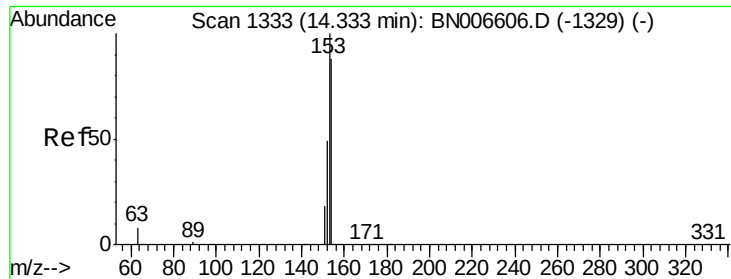
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.0	40.4
170	23.1	17.7	26.5



#16
Acenaphthylene
Concen: 0.178 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.0	10.5	15.7

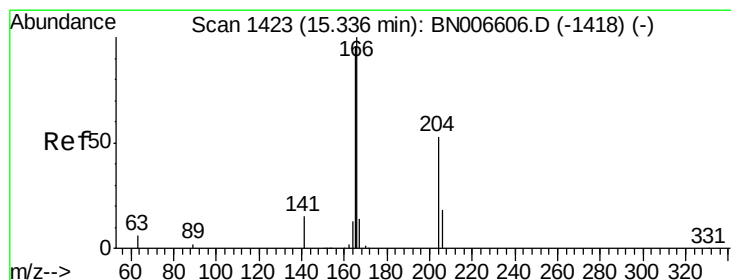
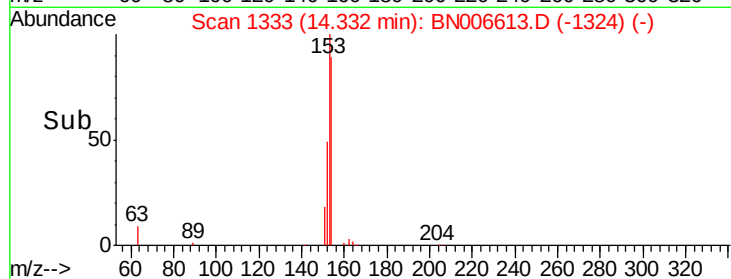
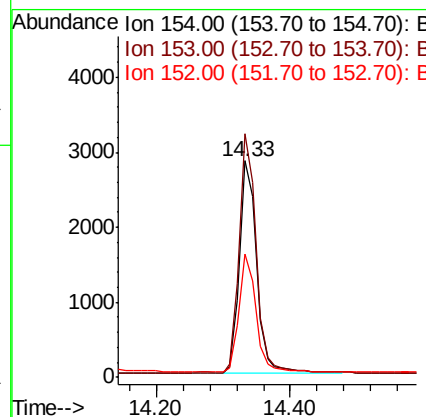
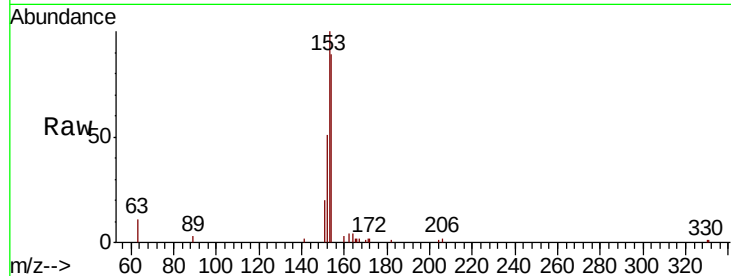




#17
Acenaphthene
Concen: 0.190 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

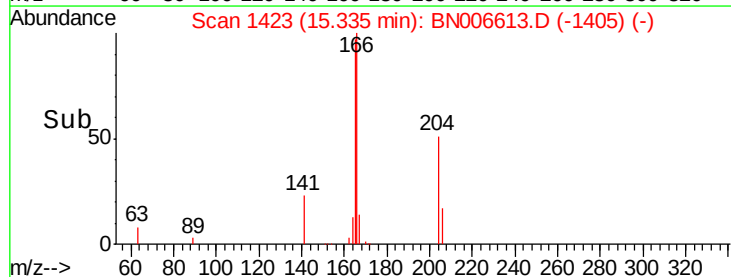
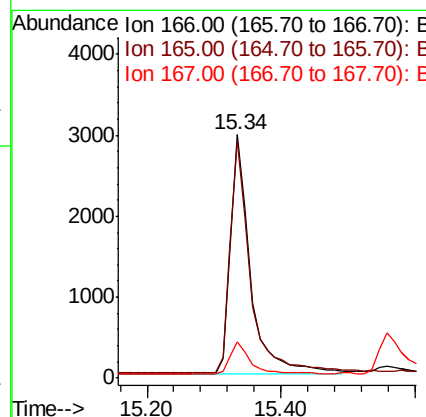
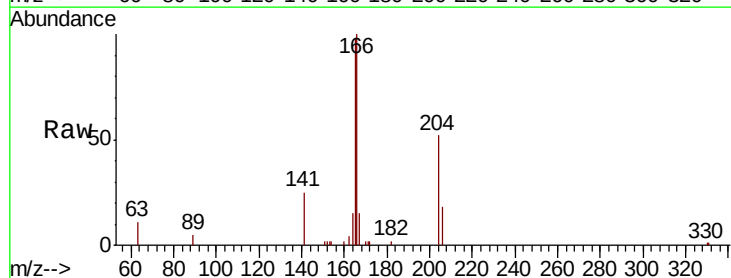
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

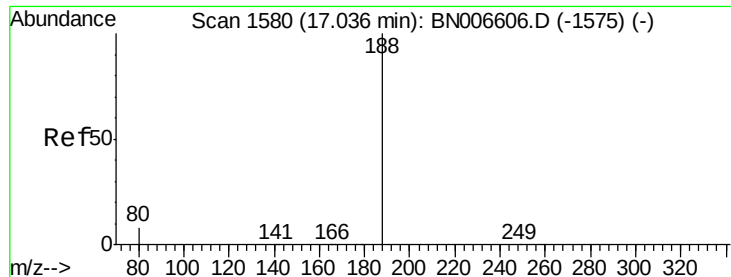
Tgt Ion:154 Resp: 5011
Ion Ratio Lower Upper
154 100
153 111.6 90.2 135.4
152 54.8 44.2 66.4



#18
Fluorene
Concen: 0.185 ng
RT: 15.34 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion:166 Resp: 6155
Ion Ratio Lower Upper
166 100
165 97.1 78.4 117.6
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.04 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

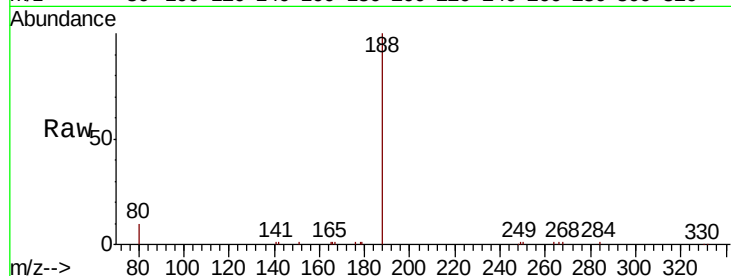
Tgt Ion:188 Resp: 19480

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

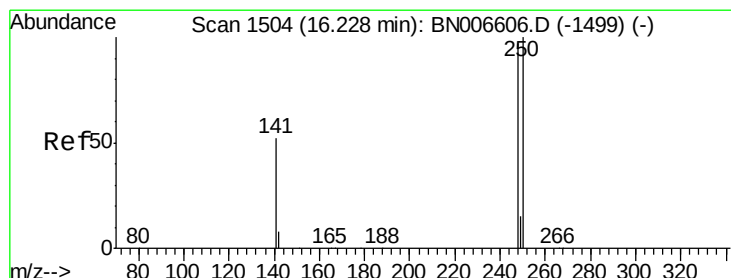
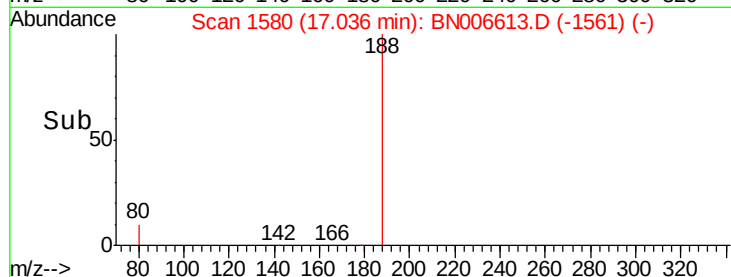
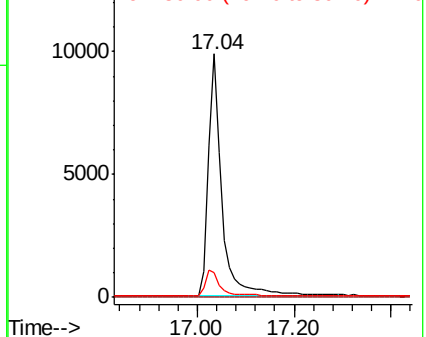
80 10.3 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.170 ng

RT: 16.23 min Scan# 1504

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

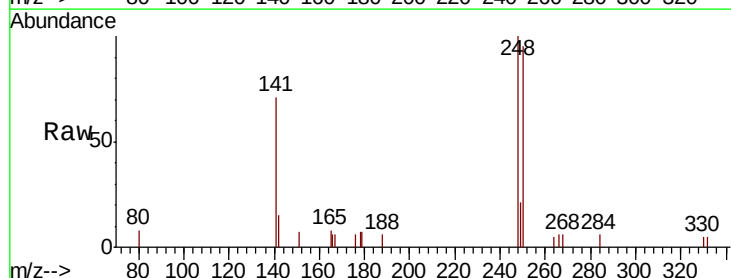
Tgt Ion:248 Resp: 1840

Ion Ratio Lower Upper

248 100

250 94.6 82.2 123.4

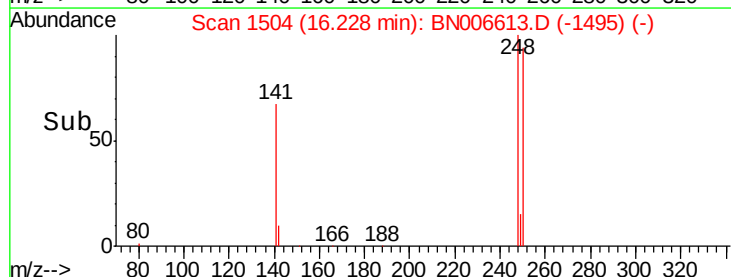
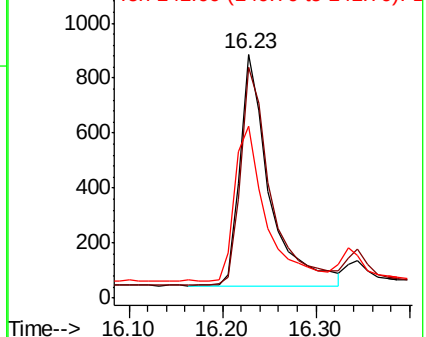
141 70.5 43.8 65.8#

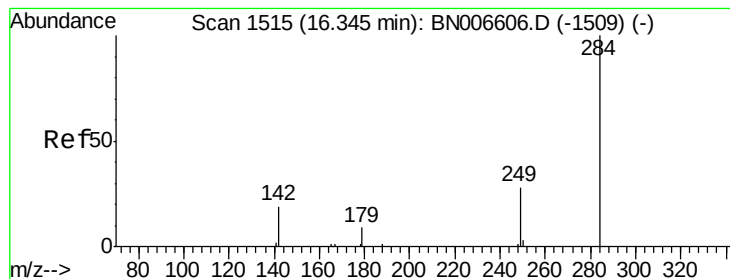


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.189 ng

RT: 16.34 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

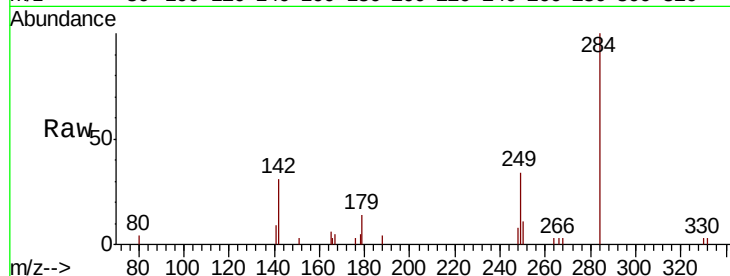
Tgt Ion:284 Resp: 2575

Ion Ratio Lower Upper

284 100

142 34.8 27.5 41.3

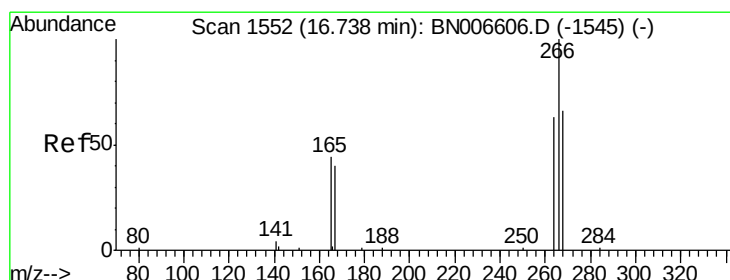
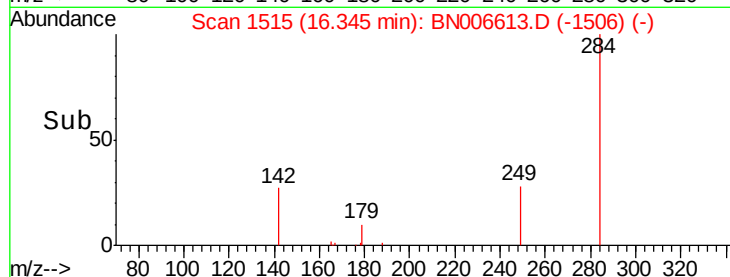
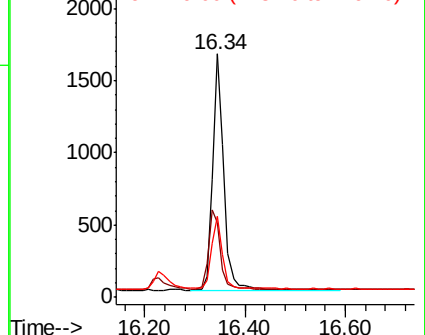
249 29.4 24.7 37.1



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: 0.365 ng

RT: 16.75 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

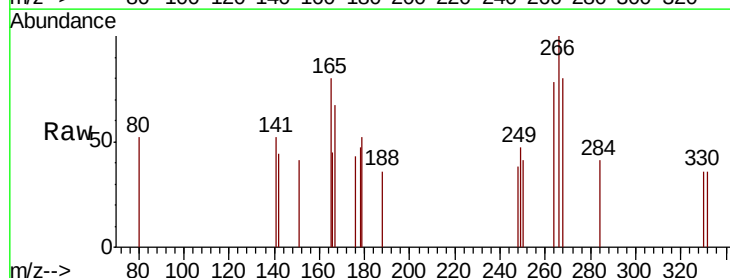
Tgt Ion:266 Resp: 538

Ion Ratio Lower Upper

266 100

264 78.1 56.2 84.4

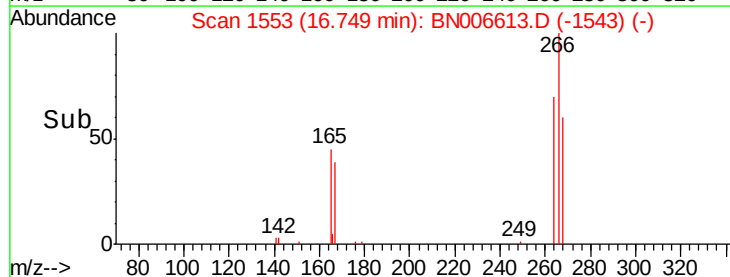
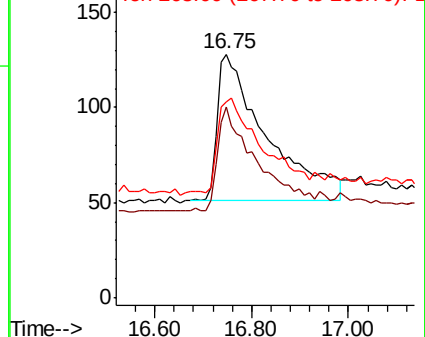
268 80.5 63.0 94.4

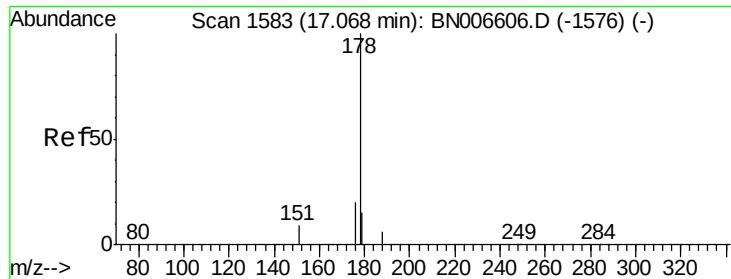


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.185 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

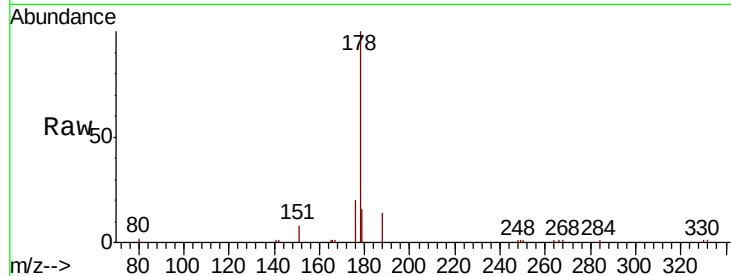
Tgt Ion:178 Resp: 10266

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

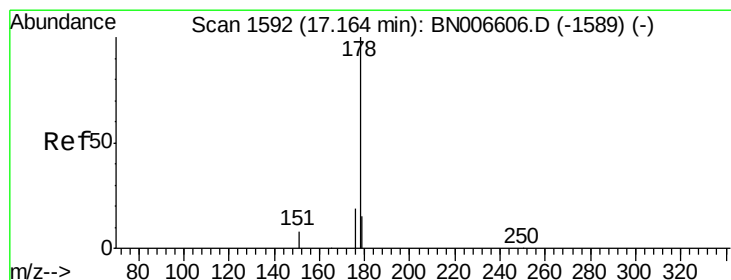
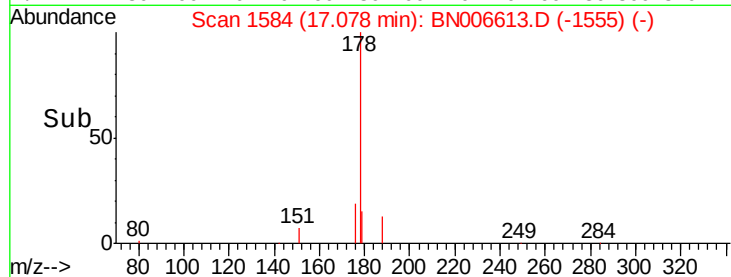
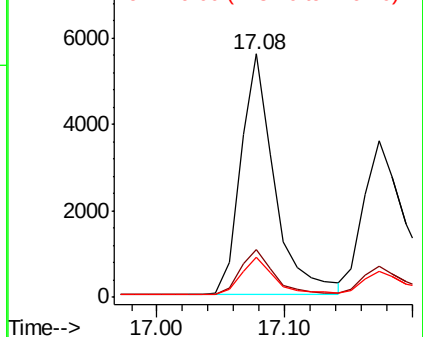
179 15.4 12.2 18.4



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: 0.167 ng

RT: 17.17 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

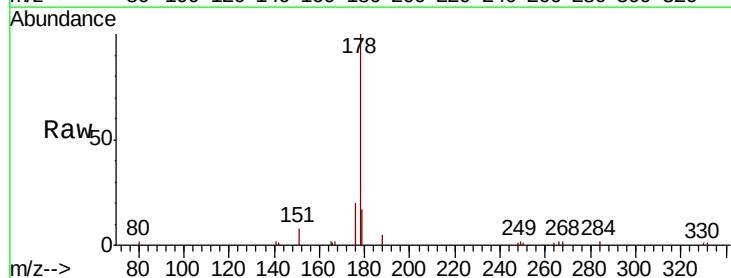
Tgt Ion:178 Resp: 8042

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

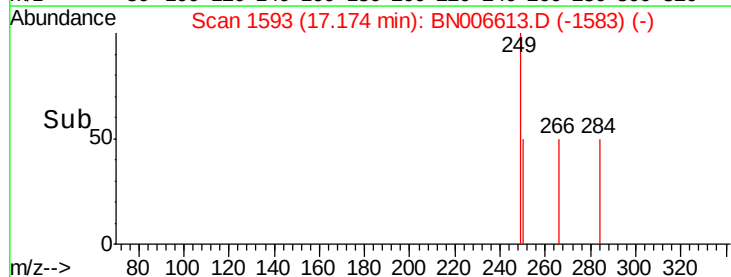
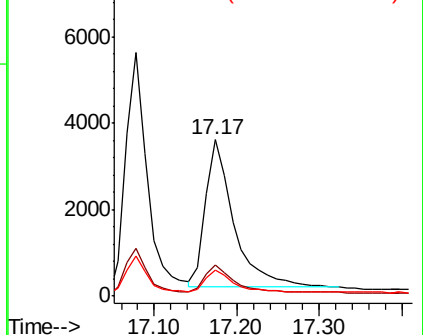
179 14.8 12.2 18.2

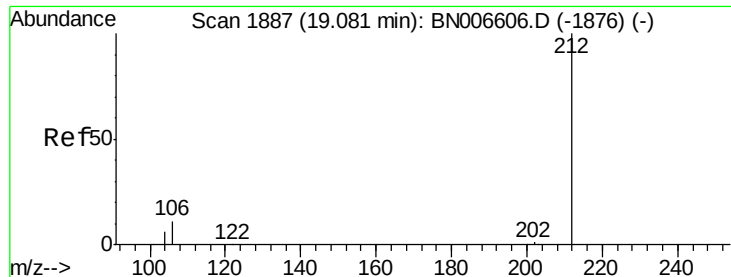


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.381 ng

RT: 19.08 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

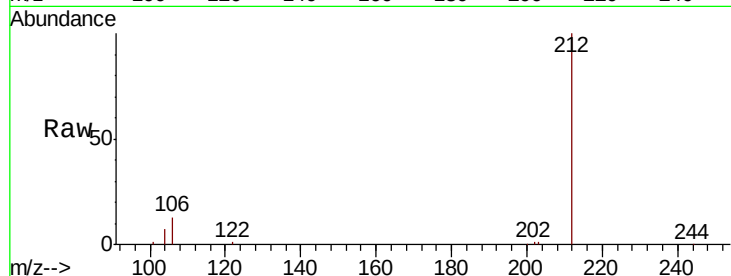
Tgt Ion:212 Resp: 21821

Ion Ratio Lower Upper

212 100

106 13.4 10.6 15.8

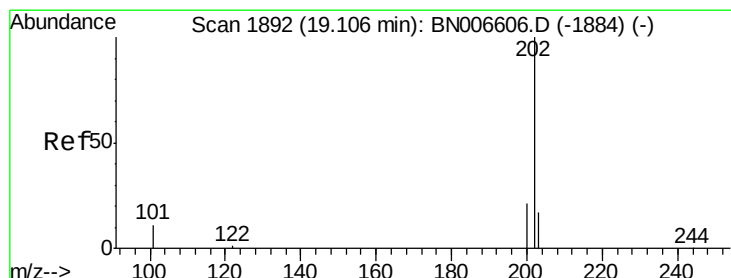
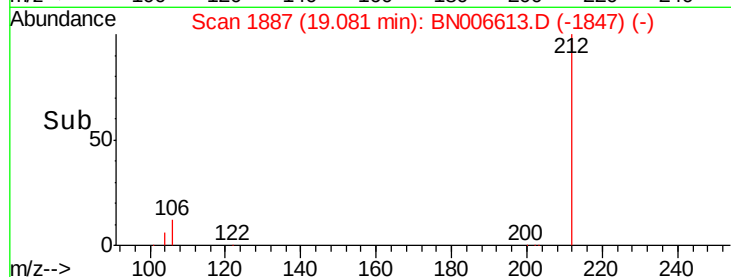
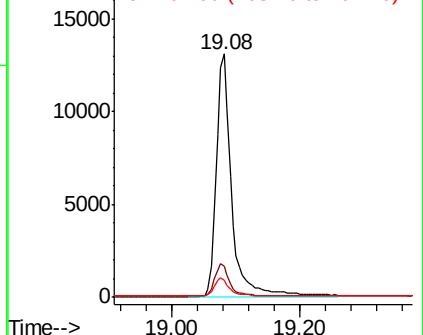
104 7.1 5.8 8.6



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: 0.192 ng

RT: 19.11 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

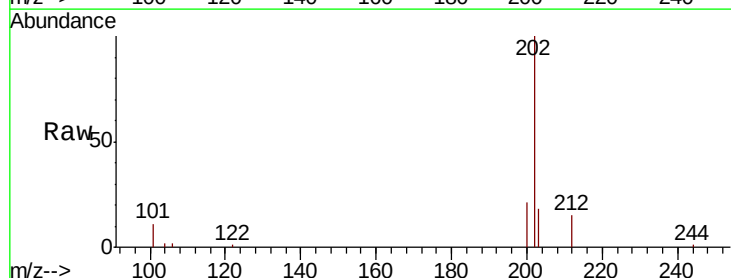
Tgt Ion:202 Resp: 12957

Ion Ratio Lower Upper

202 100

101 11.2 8.9 13.3

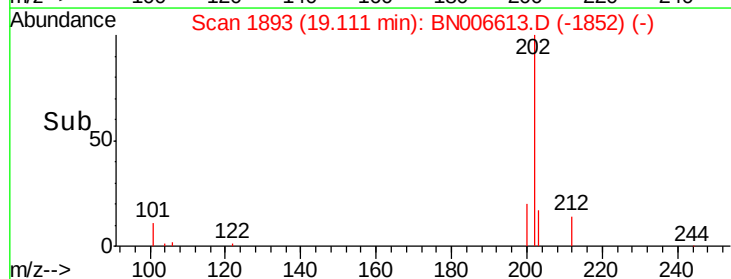
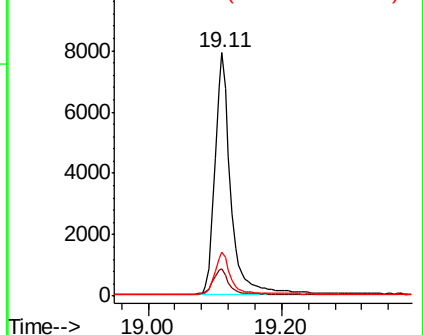
203 17.1 13.6 20.4

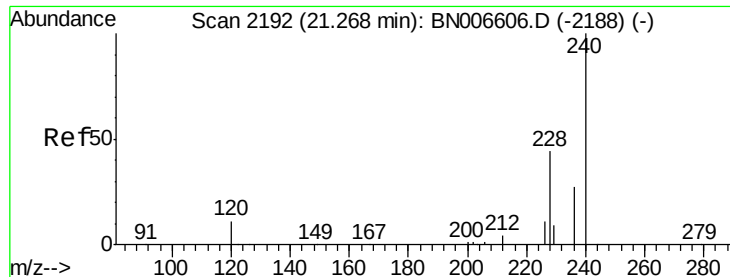


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

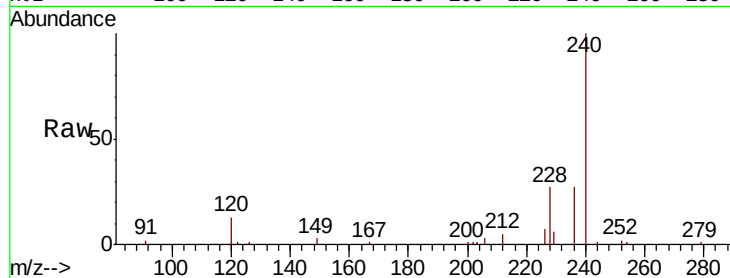




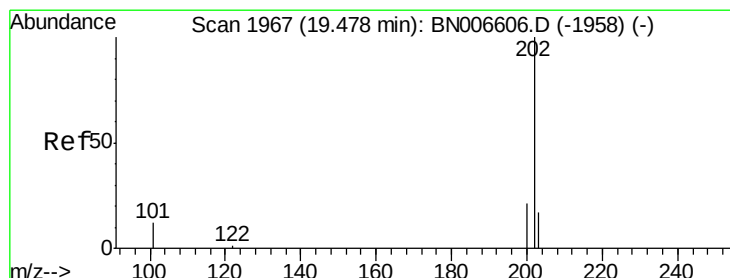
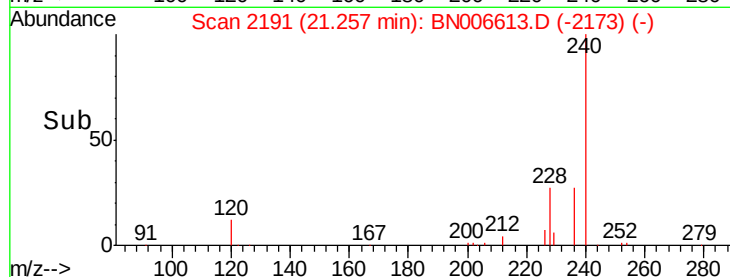
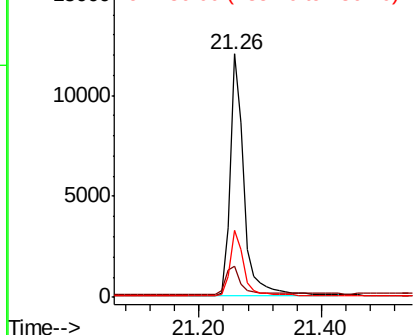
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:240 Resp: 19357
Ion Ratio Lower Upper
240 100
120 13.0 9.9 14.9
236 27.5 22.2 33.4

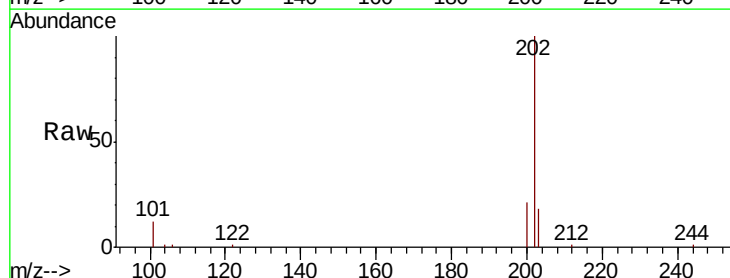


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

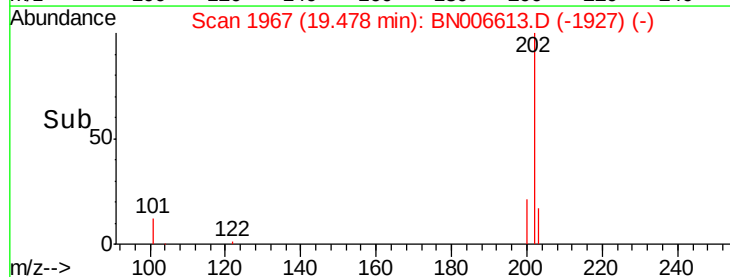
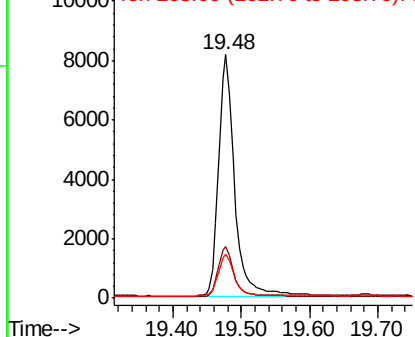


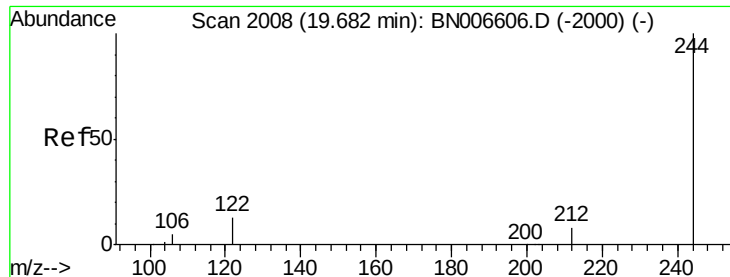
#28
Pyrene
Concen: 0.196 ng
RT: 19.48 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion:202 Resp: 13298
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.8 14.1 21.1



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: 0.431 ng

RT: 19.68 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

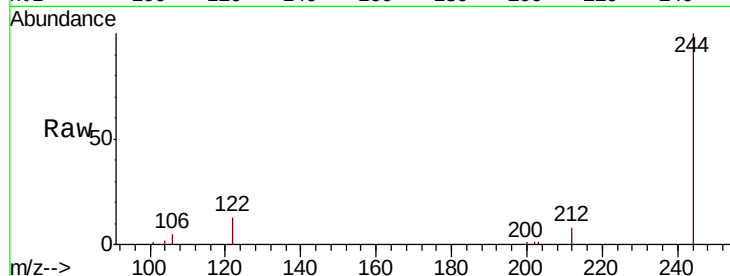
Tgt Ion:244 Resp: 17477

Ion Ratio Lower Upper

244 100

212 8.3 6.7 10.1

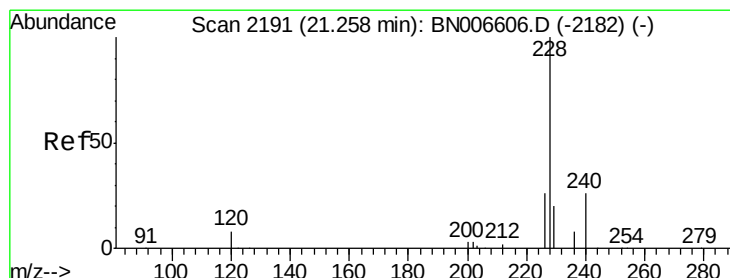
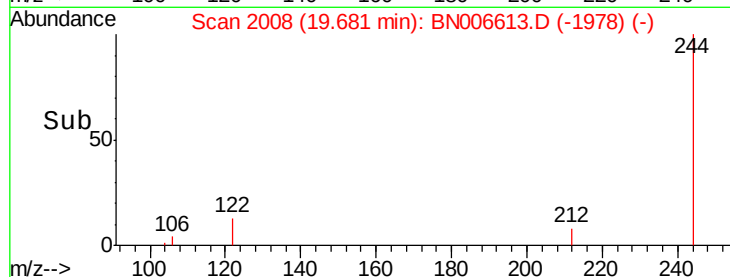
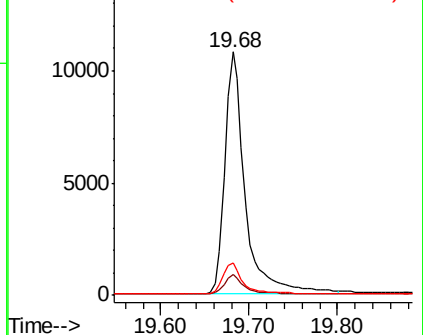
122 13.2 11.0 16.6



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: 0.172 ng

RT: 21.25 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

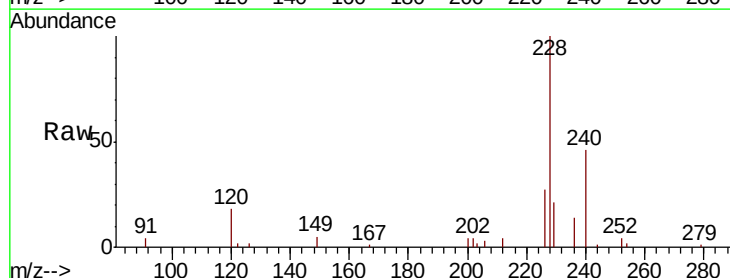
Tgt Ion:228 Resp: 10876

Ion Ratio Lower Upper

228 100

226 27.4 21.2 31.8

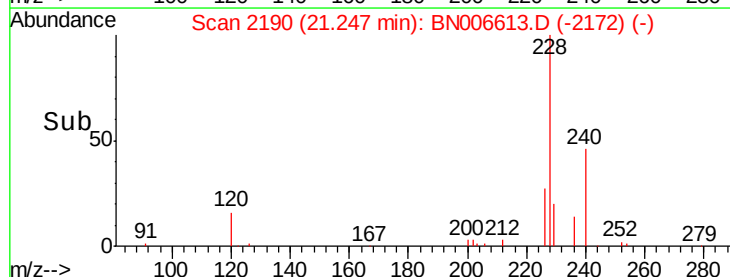
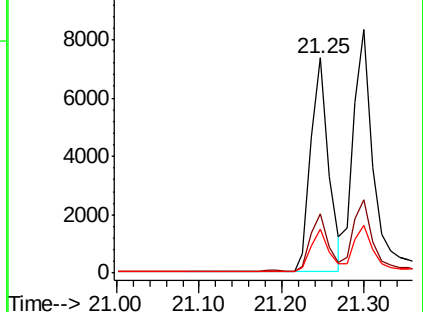
229 20.5 16.1 24.1

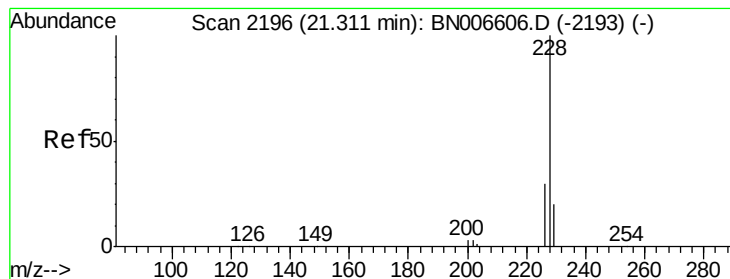


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.197 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

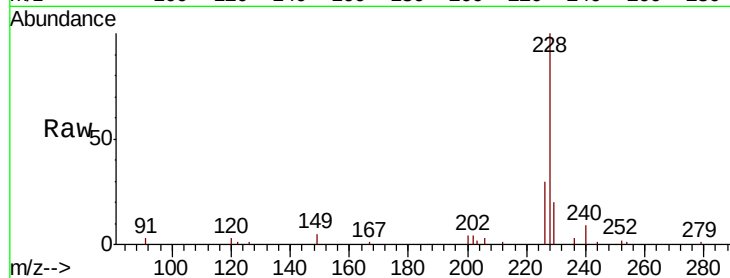
Tgt Ion:228 Resp: 13409

Ion Ratio Lower Upper

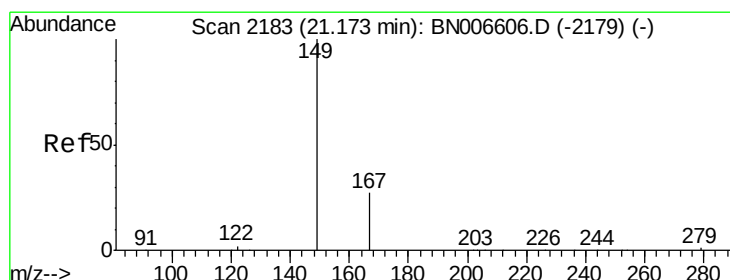
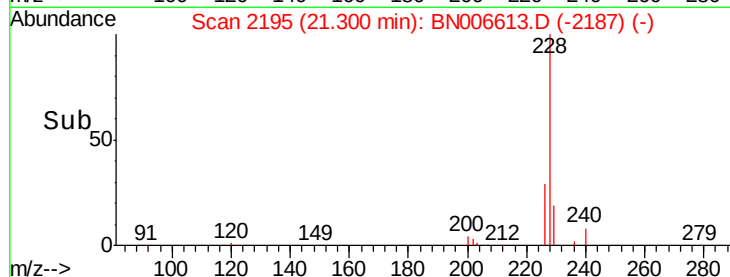
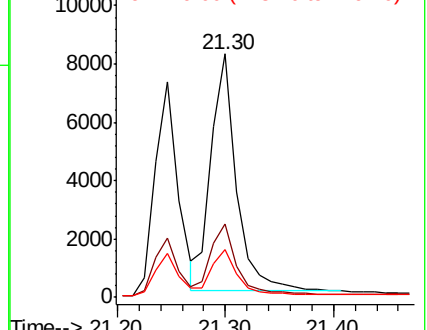
228 100

226 30.0 23.8 35.6

229 19.9 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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

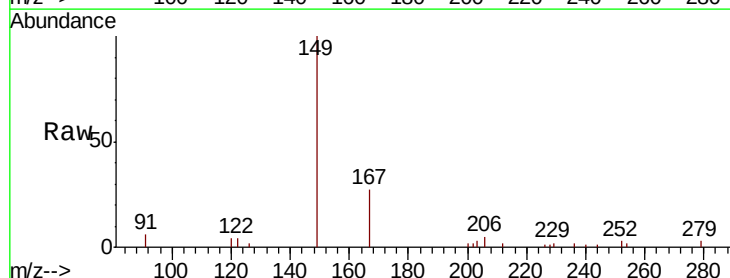
Tgt Ion:149 Resp: 4478

Ion Ratio Lower Upper

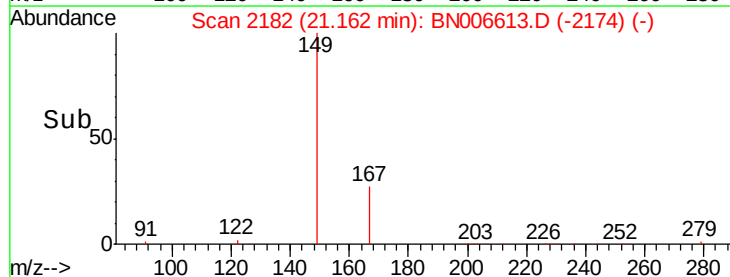
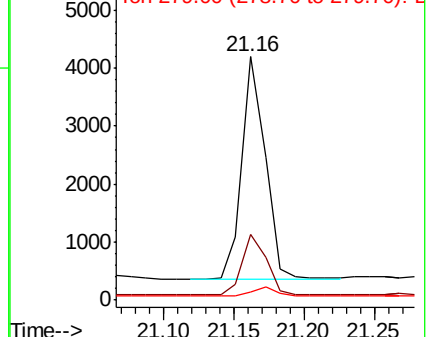
149 100

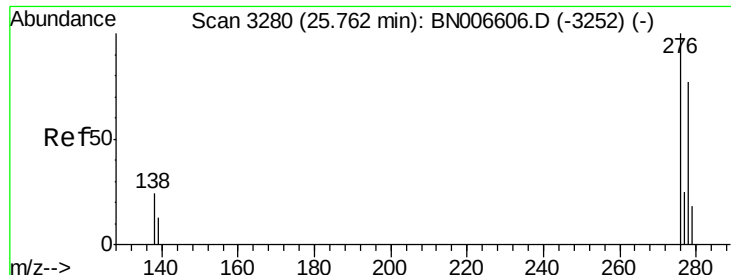
167 28.1 22.9 34.3

279 3.9 3.3 4.9



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: 0.196 ng

RT: 25.74 min Scan# 3273

Delta R.T. -0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

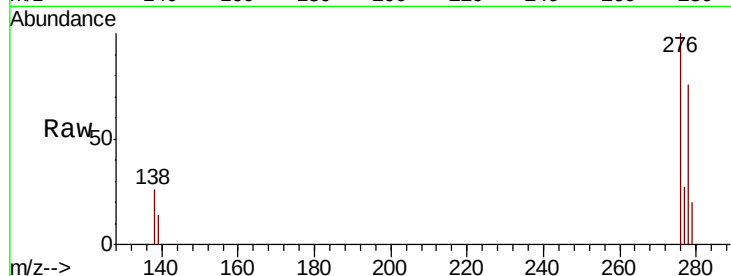
Tgt Ion:276 Resp: 13545

Ion Ratio Lower Upper

276 100

138 23.4 19.3 28.9

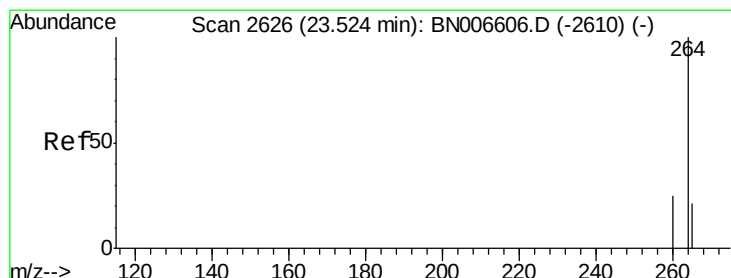
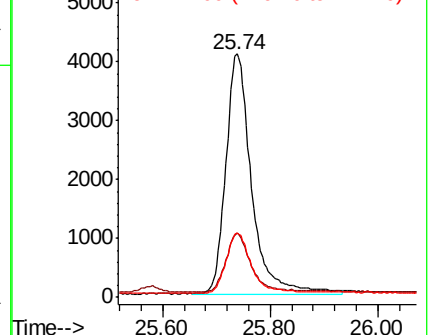
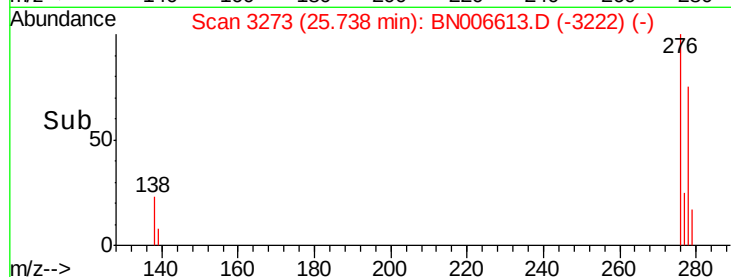
277 24.6 19.9 29.9



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: 23.50 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

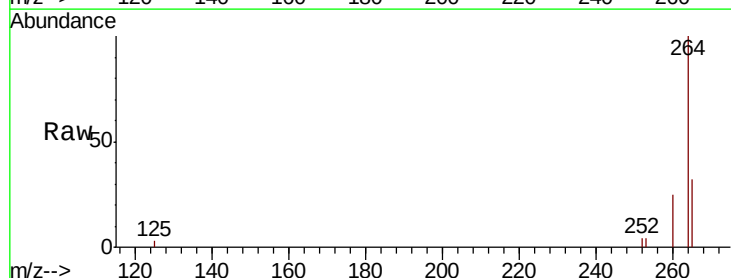
Tgt Ion:264 Resp: 20816

Ion Ratio Lower Upper

264 100

260 25.1 20.2 30.2

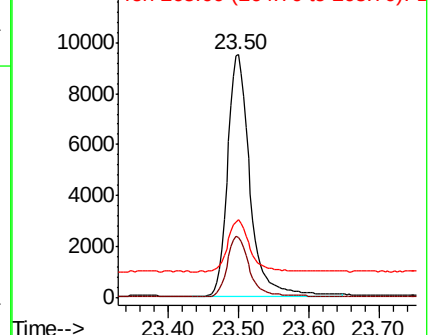
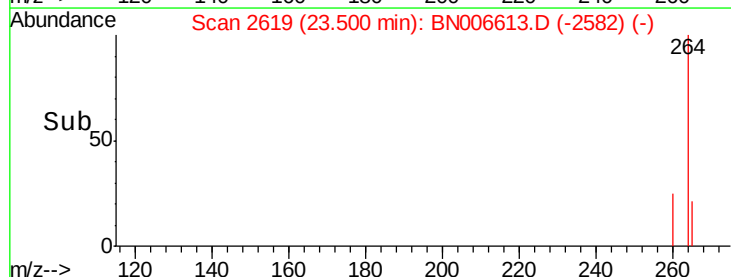
265 32.0 23.3 34.9

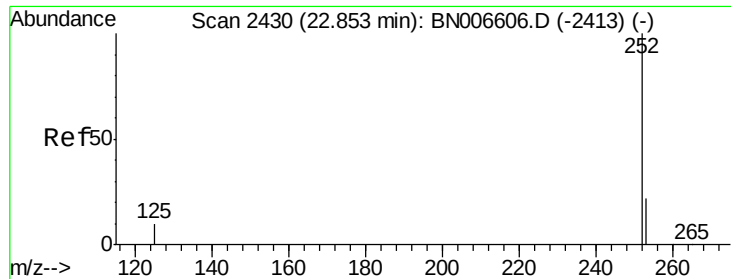


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

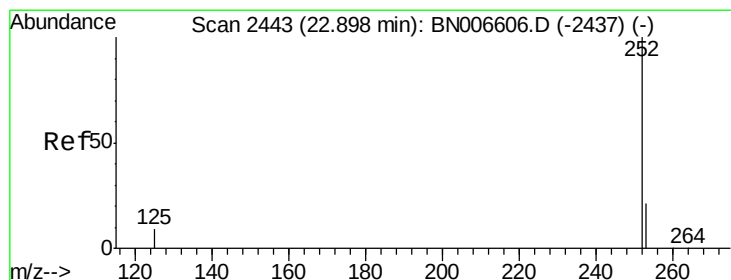
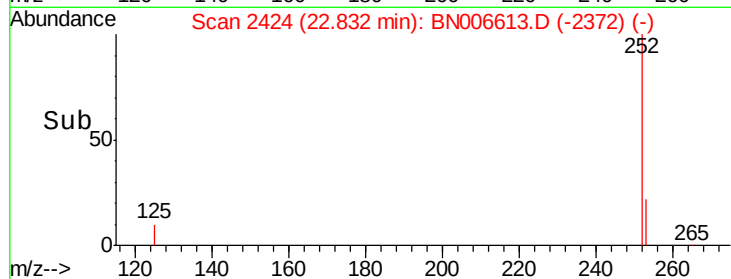
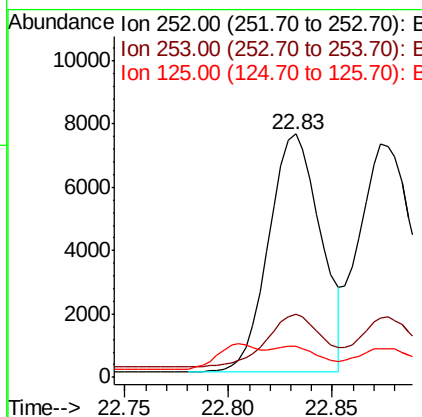
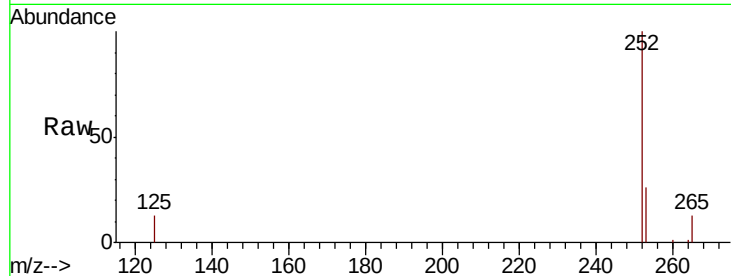




#35
Benzo(b)fluoranthene
Concen: 0.184 ng
RT: 22.83 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

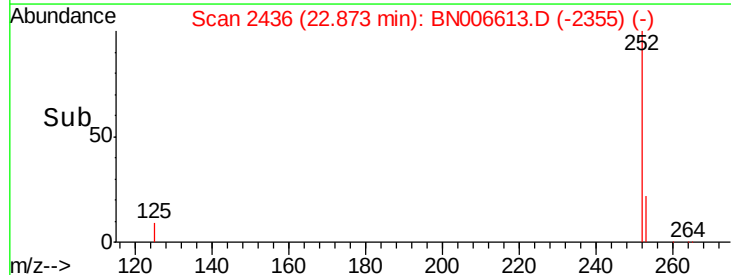
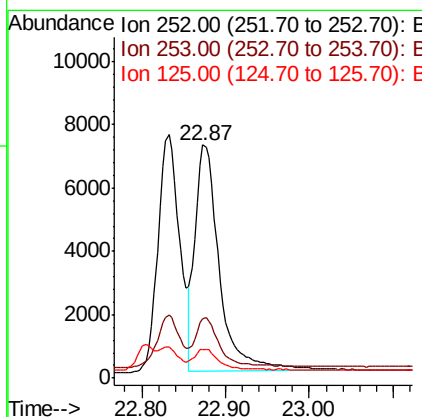
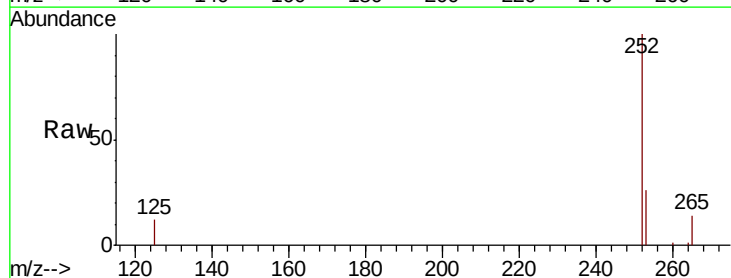
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT2-2019

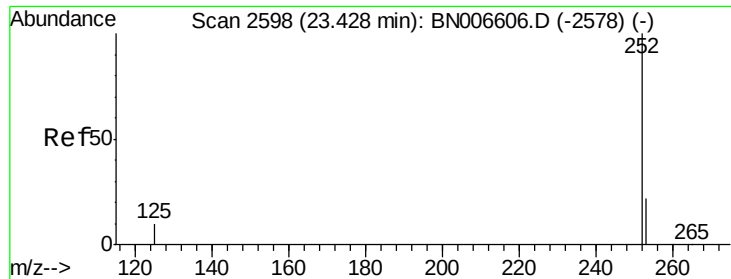
Tgt Ion:252 Resp: 13037
Ion Ratio Lower Upper
252 100
253 25.7 18.4 27.6
125 12.7 8.7 13.1



#36
Benzo(k)fluoranthene
Concen: 0.192 ng
RT: 22.87 min Scan# 2436
Delta R.T. -0.02 min
Lab File: BN006613.D
Acq: 28 Jun 2019 15:14

Tgt Ion:252 Resp: 14460
Ion Ratio Lower Upper
252 100
253 25.6 18.3 27.5
125 12.4 8.4 12.6





#37

Benzo(a)pyrene

Concen: 0.200 ng

RT: 23.40 min Scan# 2591

Delta R.T. -0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019

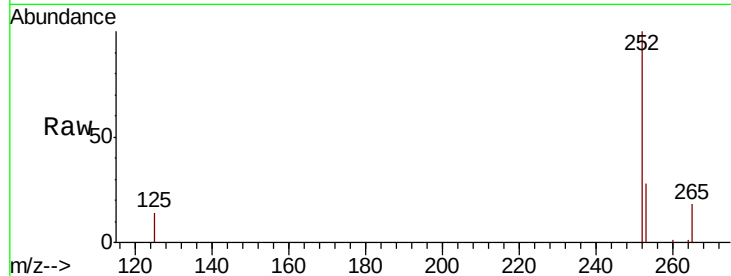
Tgt Ion:252 Resp: 13247

Ion Ratio Lower Upper

252 100

253 27.6 18.8 28.2

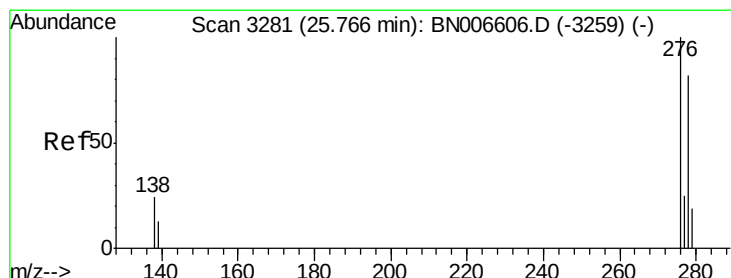
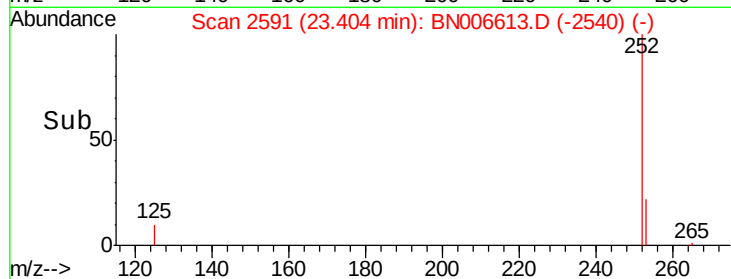
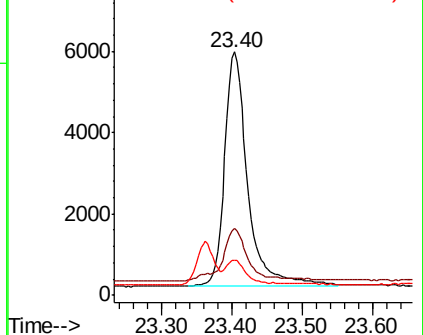
125 14.2 9.4 14.2#



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: 0.189 ng

RT: 25.75 min Scan# 3275

Delta R.T. -0.02 min

Lab File: BN006613.D

Acq: 28 Jun 2019 15:14

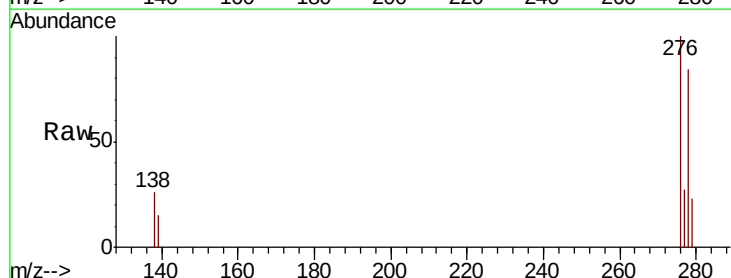
Tgt Ion:278 Resp: 10931

Ion Ratio Lower Upper

278 100

139 18.3 13.5 20.3

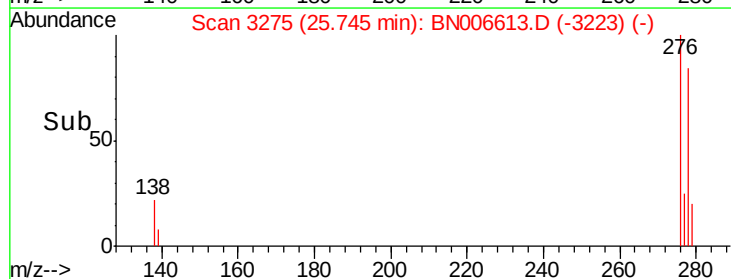
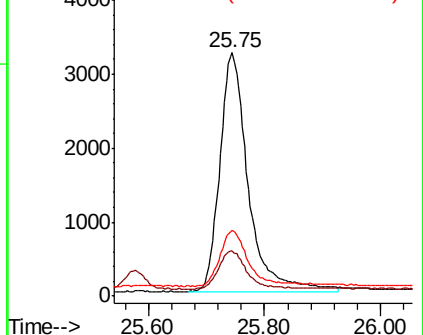
279 27.2 19.4 29.2

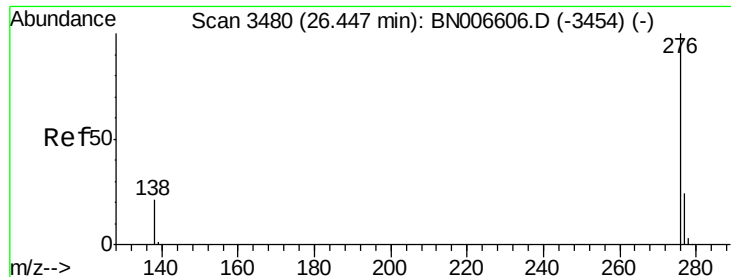


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.198 ng

RT: 26.42 min Scan# 3473

Delta R.T. -0.02 min

Lab File: BN006613.D

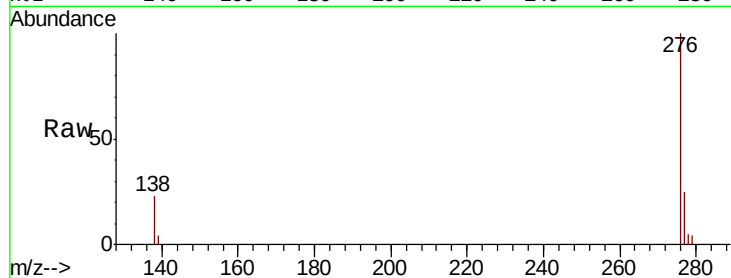
Acq: 28 Jun 2019 15:14

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT2-2019



Tgt Ion: 276 Resp: 11414

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 23.3 17.7 26.5

