

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060520\
 Data File : BN010775.D
 Acq On : 05 Jun 2020 11:03
 Operator : CG/JU
 Sample : L1955-04
 Misc : MDL-SOIL-04
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-04

Quant Time: Jun 05 11:42:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 10:29:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1857	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5805	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.19	164	2979	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5753	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4797	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	4415	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2635	0.19	ng/ul	0.01
14) Fluoranthene-d10	18.98	212	5271	0.21	ng/ul	0.00

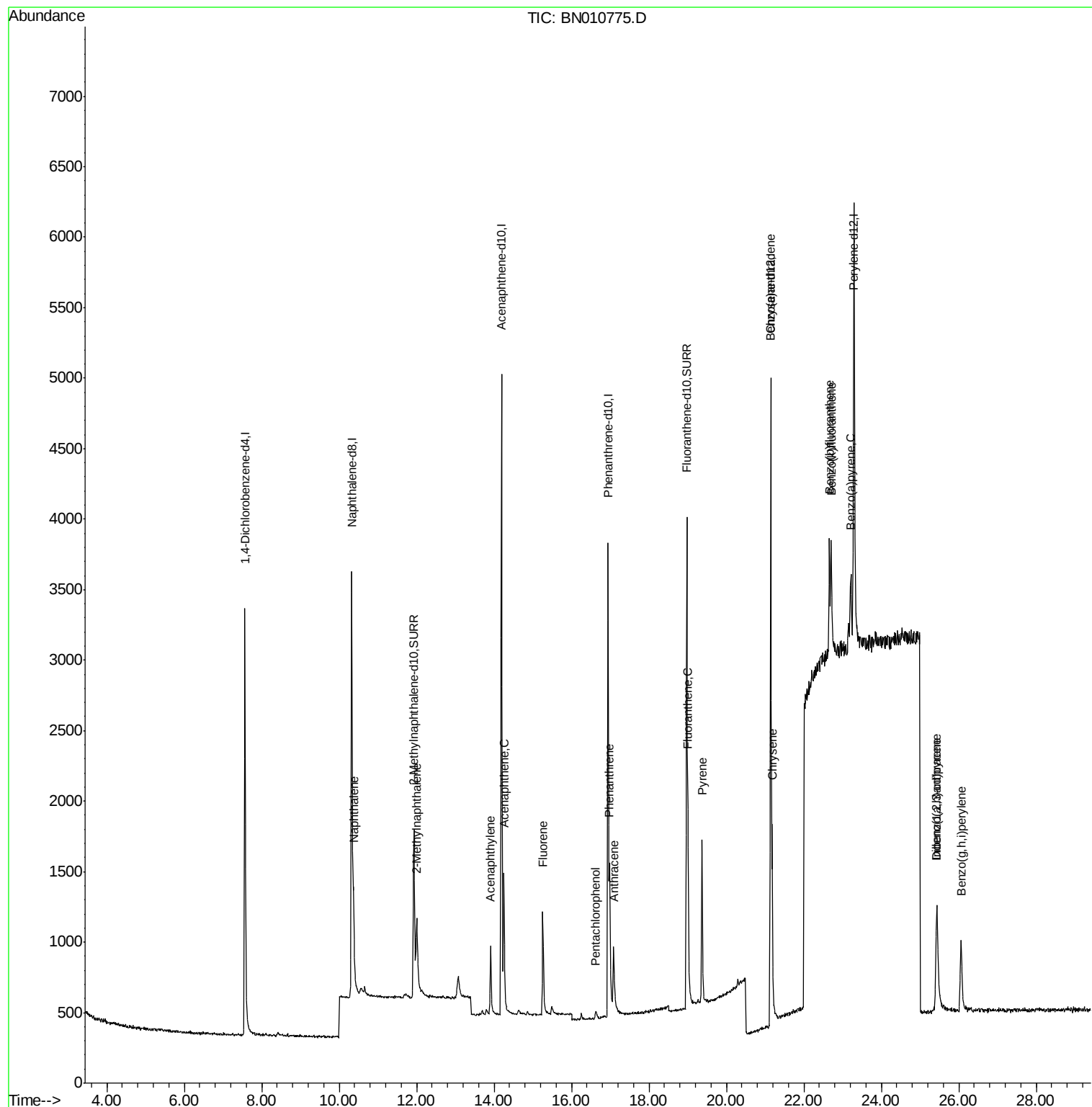
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	1006	0.059	ng/ul#	82
5) 2-Methylnaphthalene	12.01	142	622	0.058	ng/ul	98
7) Acenaphthylene	13.91	152	805	0.061	ng/ul#	82
8) Acenaphthene	14.25	153	669	0.060	ng/ul	94
9) Fluorene	15.26	166	700	0.057	ng/ul#	95
11) Pentachlorophenol	16.63	266	67	0.050	ng/ul#	84
12) Phenanthrene	16.98	178	1060	0.057	ng/ul#	87
13) Anthracene	17.09	178	773	0.050	ng/ul#	75
15) Fluoranthene	19.01	202	1209	0.058	ng/ul	87
17) Pyrene	19.37	202	1215	0.058	ng/ul#	87
18) Benzo(a)anthracene	21.13	228	936	0.055	ng/ul#	88
19) Chrysene	21.18	228	1339	0.062	ng/ul#	90
21) Benzo(b)fluoranthene	22.66	252	1073	0.055	ng/ul#	49
22) Benzo(k)fluoranthene	22.71	252	1242	0.060	ng/ul#	43
23) Benzo(a)pyrene	23.21	252	1013	0.061	ng/ul#	33
24) Indeno(1,2,3-cd)pyrene	25.43	276	1297	0.057	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.45	278	1016	0.055	ng/ul#	45
26) Benzo(g,h,i)perylene	26.06	276	1234	0.059	ng/ul#	77

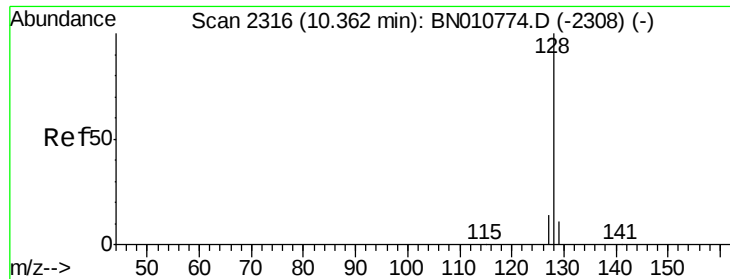
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.059 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

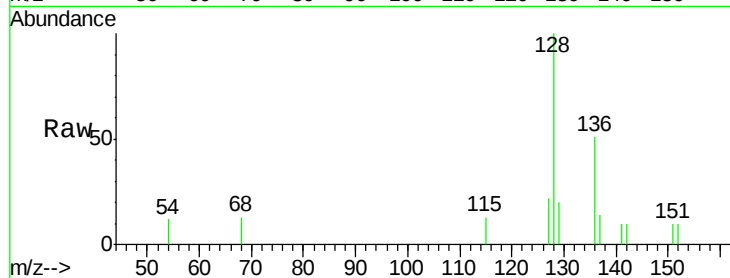
Tot Ion:128 Resp: 1006

Ion Ratio Lower Upper

128 100

129 20.2 9.9 14.9#

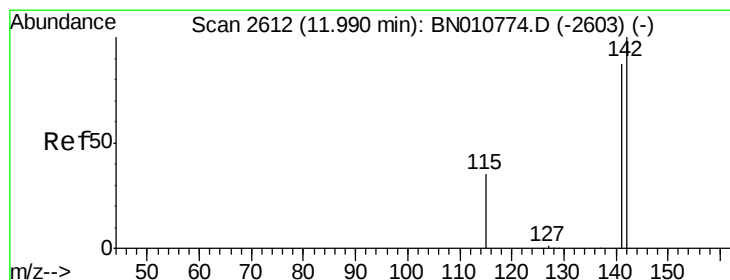
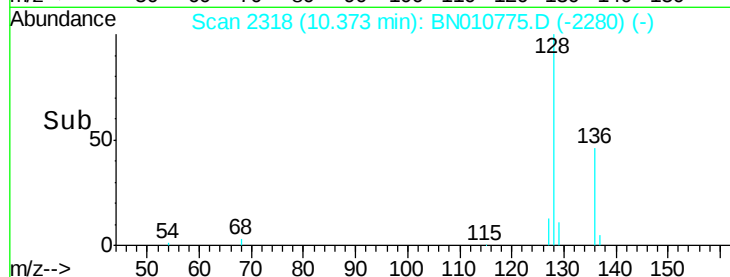
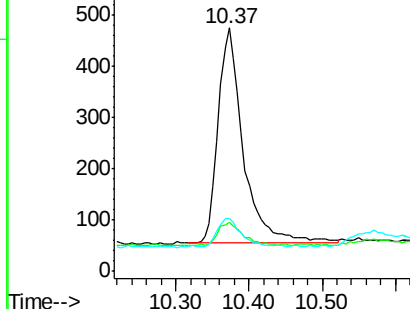
127 21.6 11.7 17.5#



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



#5

2-Methylnaphthalene

Concen: 0.058 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. 0.02 min

Lab File: BN010775.D

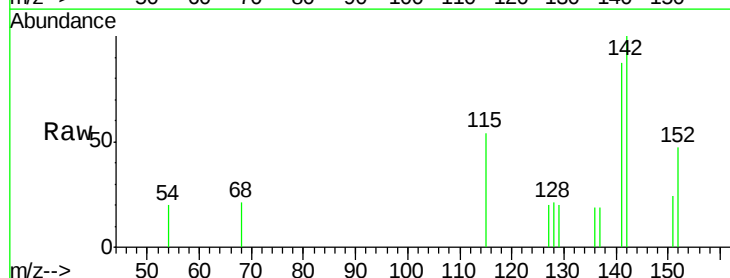
Acq: 05 Jun 2020 11:03

Tgt Ion:142 Resp: 622

Ion Ratio Lower Upper

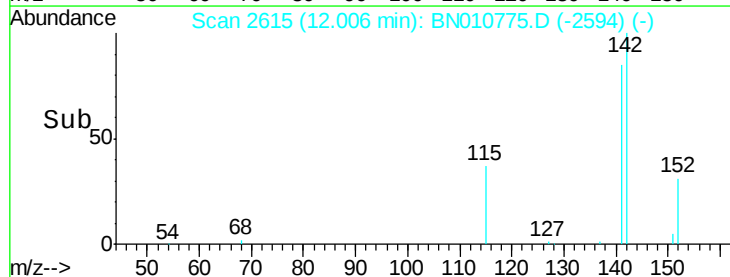
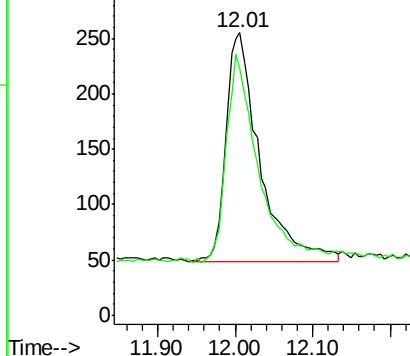
142 100

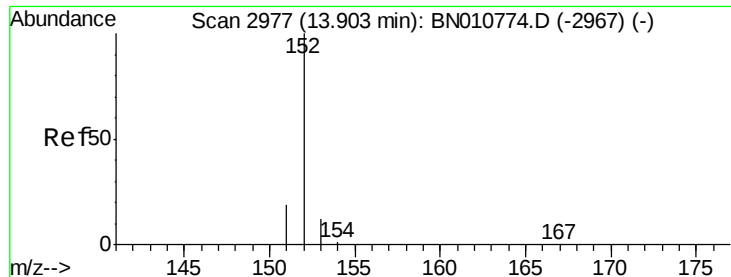
141 87.9 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. 0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

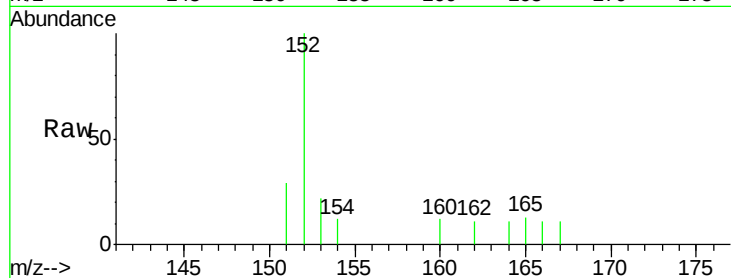
Tot Ion:152 Resp: 805

Ion Ratio Lower Upper

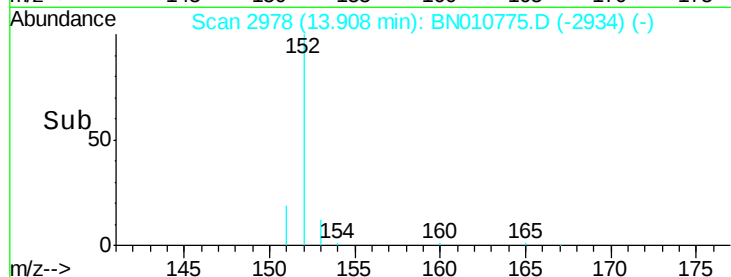
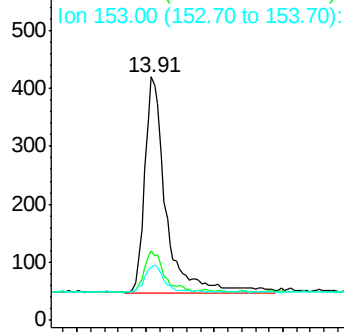
152 100

151 28.6 16.3 24.5#

153 21.7 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.060 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. -0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

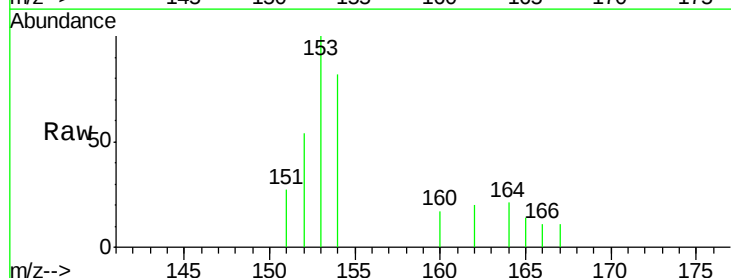
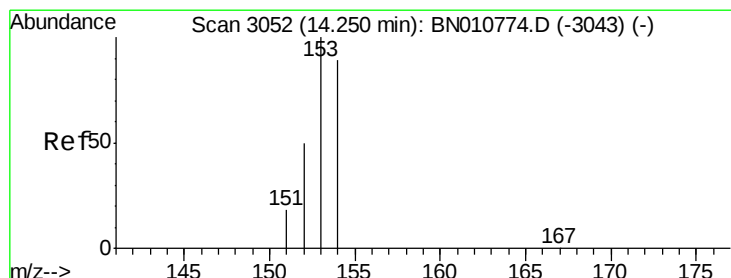
Tgt Ion:153 Resp: 669

Ion Ratio Lower Upper

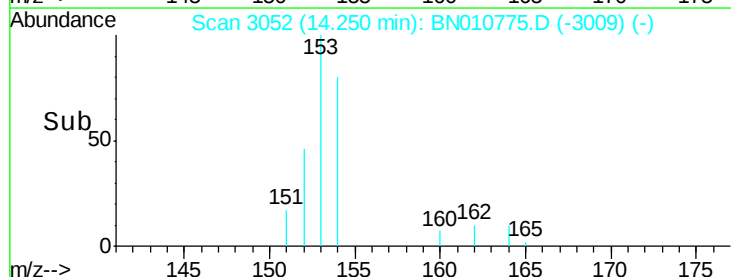
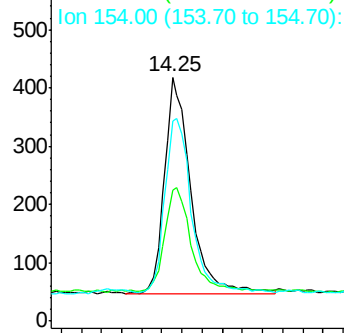
153 100

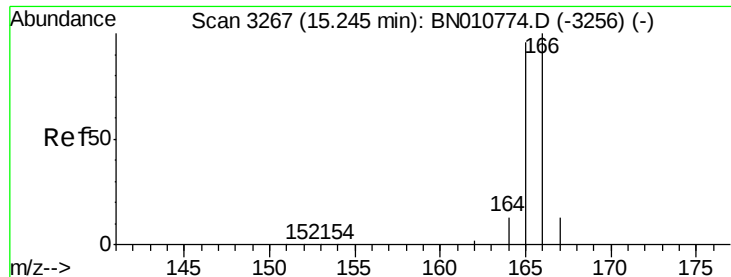
152 53.8 40.1 60.1

154 82.3 70.6 106.0



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.057 ng/ul

RT: 15.26 min Scan# 3270

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

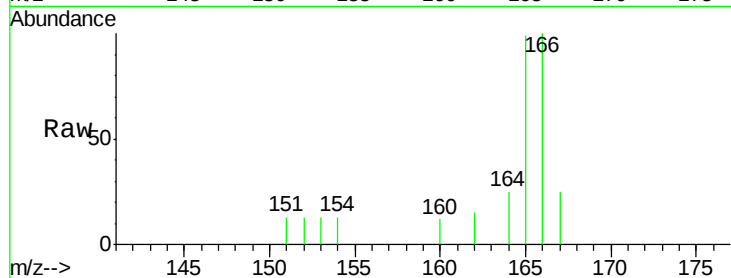
Tot Ion:166 Resp: 700

Ion Ratio Lower Upper

166 100

165 99.2 77.3 115.9

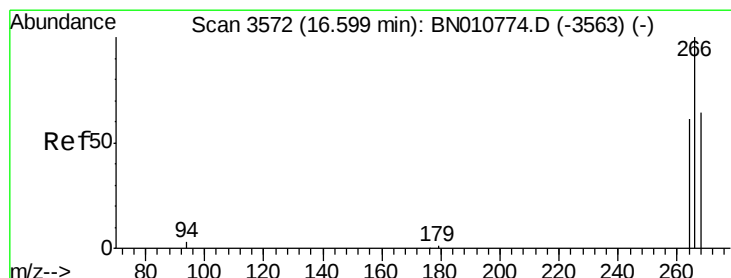
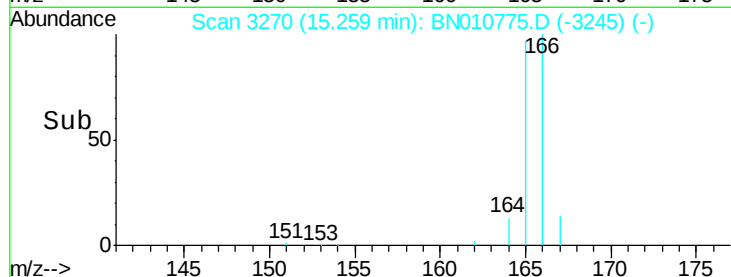
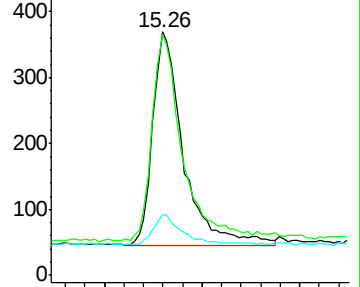
167 24.9 12.1 18.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.050 ng/ul

RT: 16.63 min Scan# 3579

Delta R.T. 0.03 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

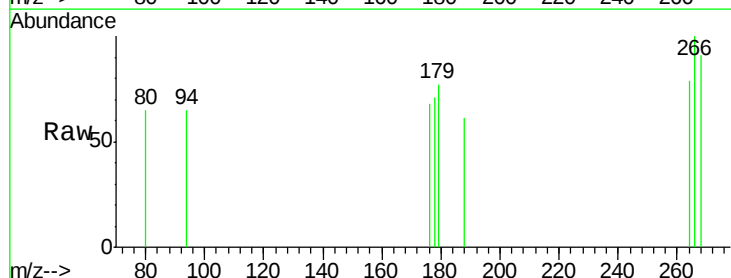
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

266 100

264 52.2 50.3 75.5

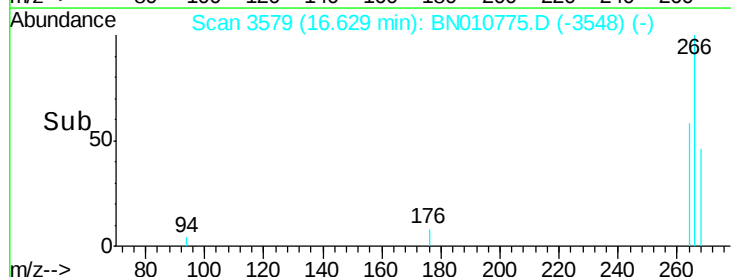
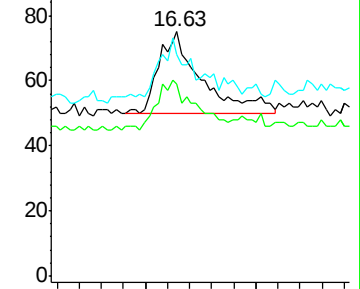
268 53.7 54.8 82.2#

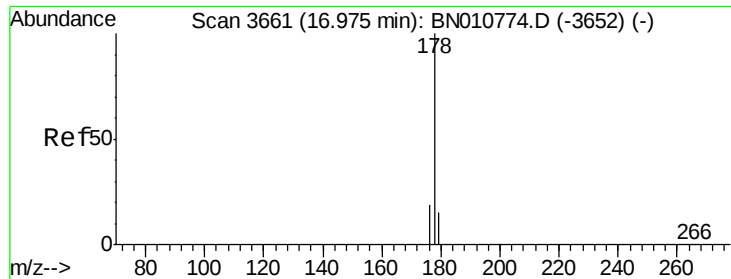


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.057 ng/ul

RT: 16.98 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

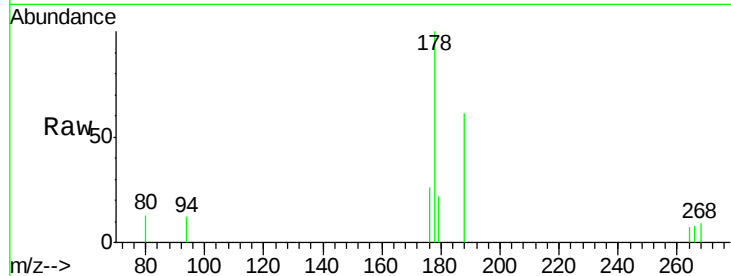
Tot Ion:178 Resp: 1060

Ion Ratio Lower Upper

178 100

179 22.0 13.0 19.6#

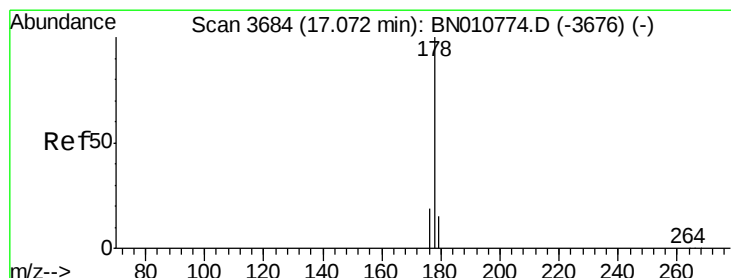
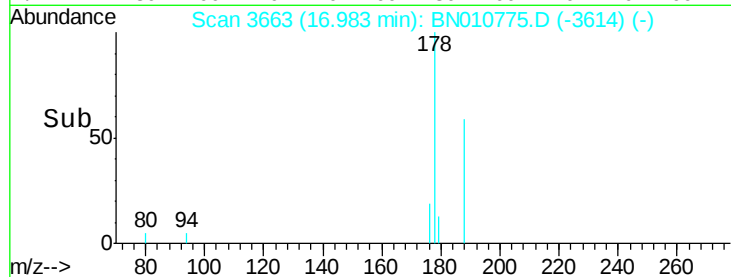
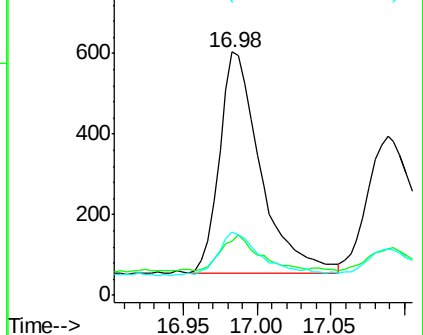
176 25.8 15.8 23.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.050 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

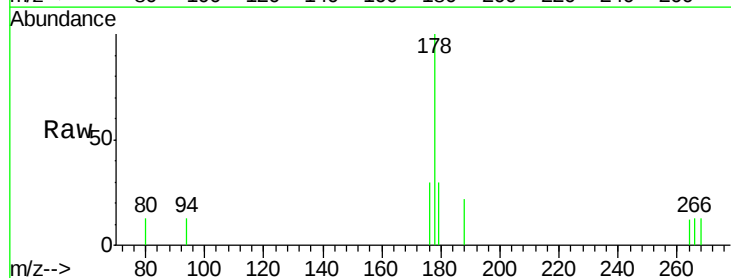
Tgt Ion:178 Resp: 773

Ion Ratio Lower Upper

178 100

179 29.5 13.6 20.4#

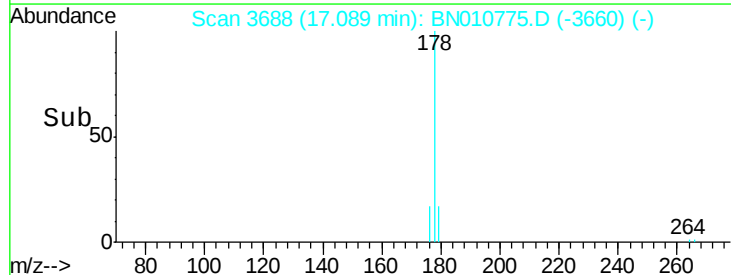
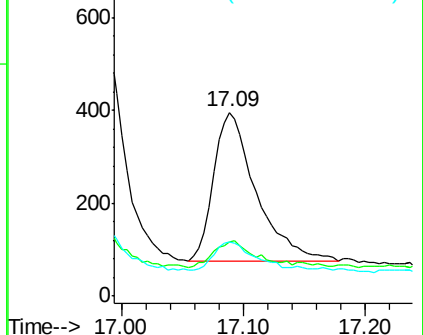
176 29.5 15.5 23.3#

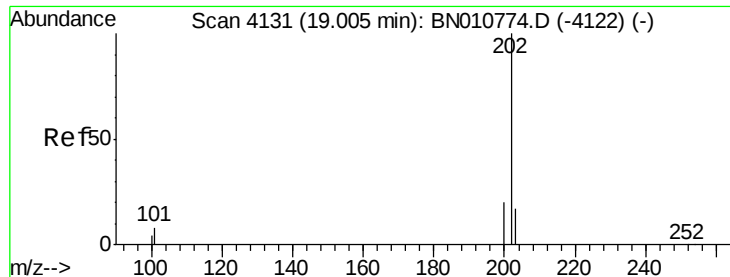


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.058 ng/ul

RT: 19.01 min Scan# 4132

Delta R.T. 0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

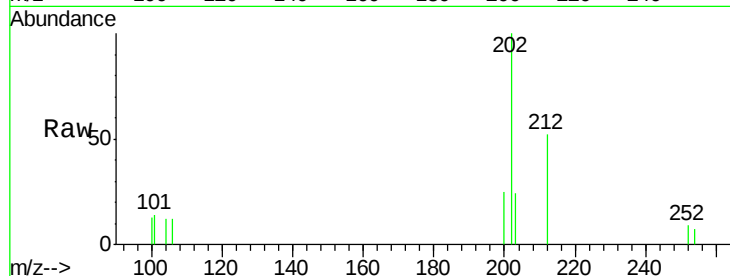
Tot Ion:202 Resp: 1209

Ion Ratio Lower Upper

202 100

101 14.5 0.0 29.8

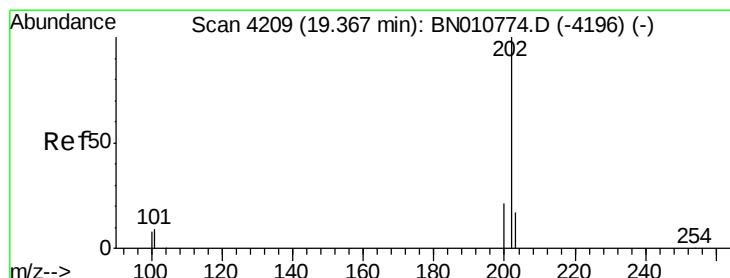
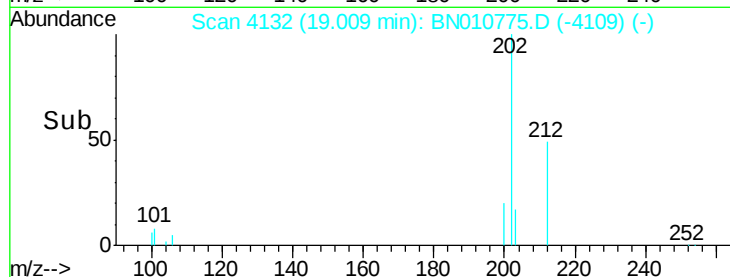
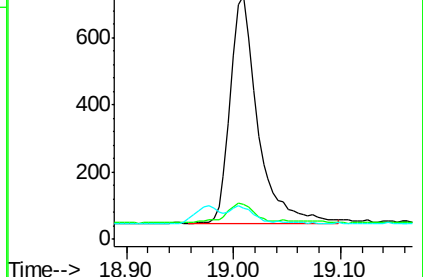
100 12.6 0.0 28.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.058 ng/ul

RT: 19.37 min Scan# 4210

Delta R.T. 0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

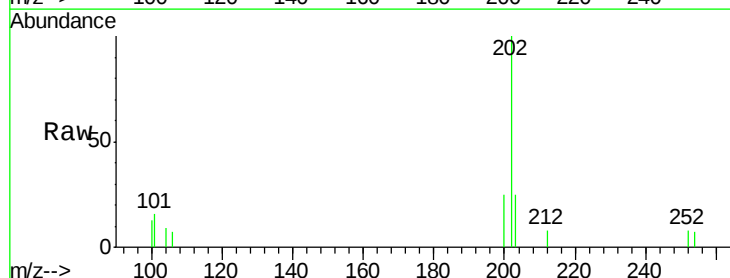
Tgt Ion:202 Resp: 1215

Ion Ratio Lower Upper

202 100

101 15.6 8.6 12.8#

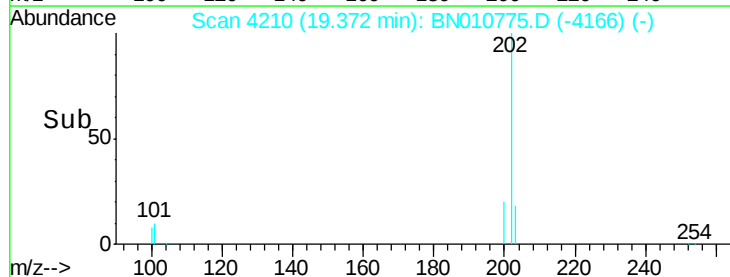
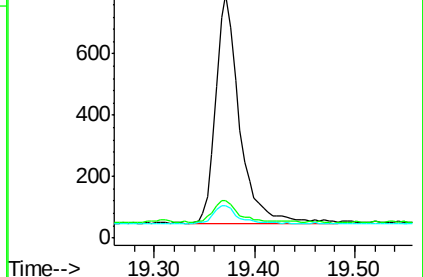
100 13.2 7.1 10.7#

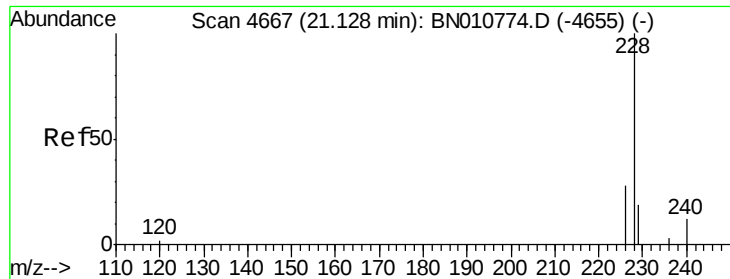


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.055 ng/ul

RT: 21.13 min Scan# 4669

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

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ClientSampleId :

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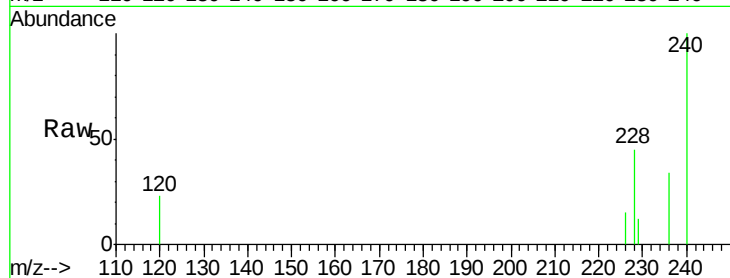
Tot Ion:228 Resp: 936

Ion Ratio Lower Upper

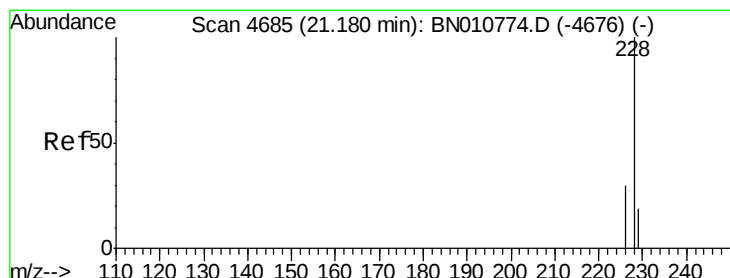
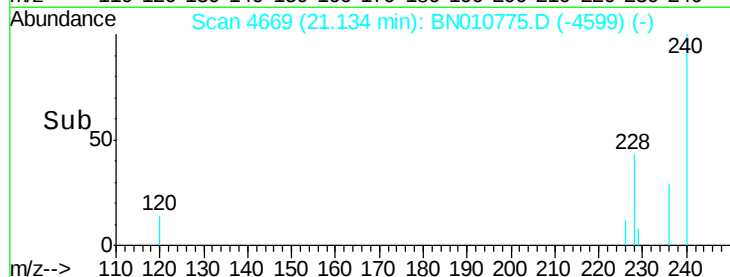
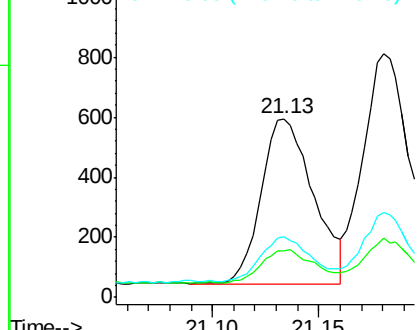
228 100

229 25.9 16.0 24.0#

226 34.3 22.9 34.3#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.062 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

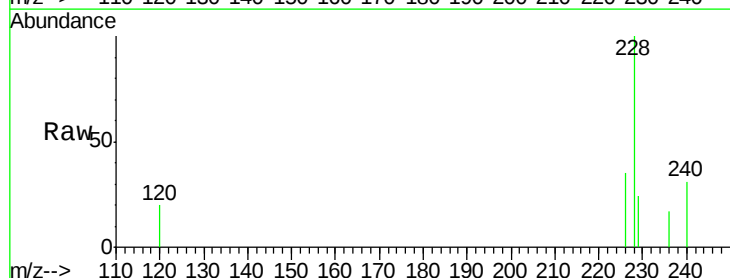
Tgt Ion:228 Resp: 1339

Ion Ratio Lower Upper

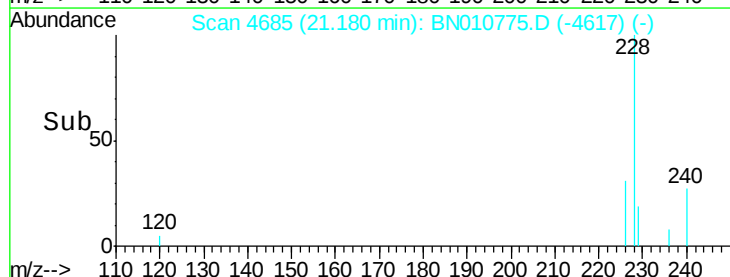
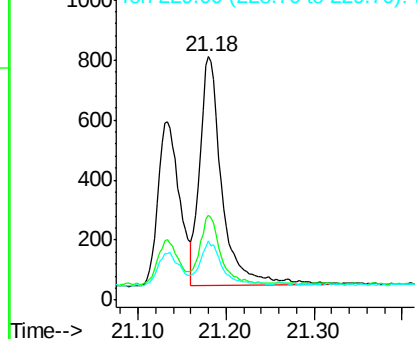
228 100

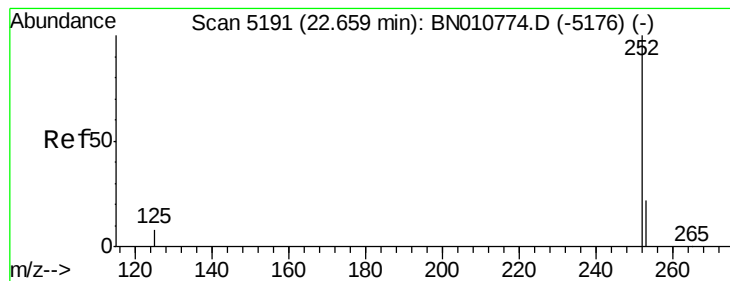
226 35.0 23.7 35.5

229 24.3 16.2 24.2#



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





#21

Benzo(b)fluoranthene

Concen: 0.055 ng/u1

RT: 22.66 min Scan# 5192

Delta R.T. 0.00 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

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MDL-SOIL-04

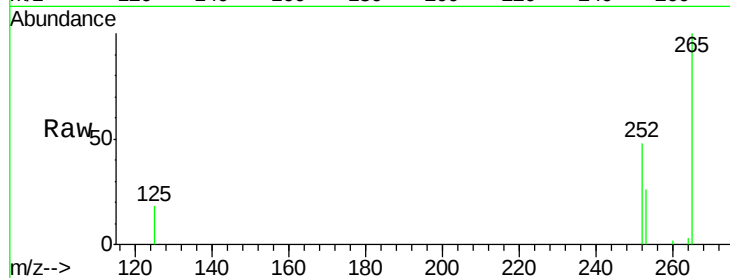
Tot Ion:252 Resp: 1073

Ion Ratio Lower Upper

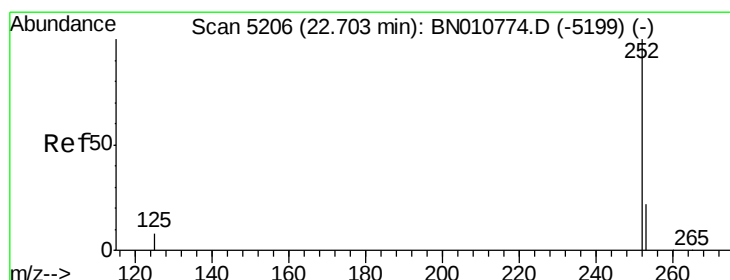
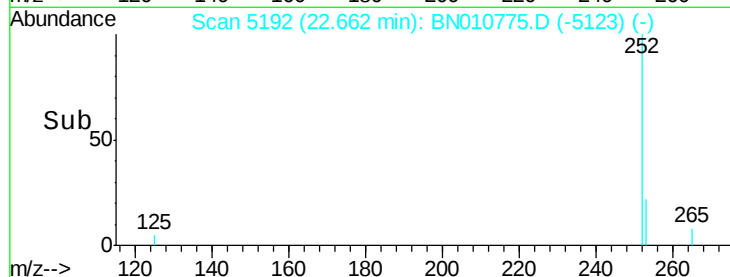
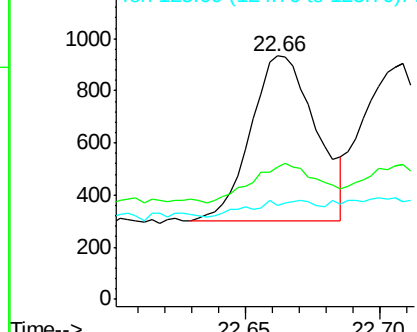
252 100

253 54.2 0.0 57.6

125 38.5 0.0 29.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.060 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

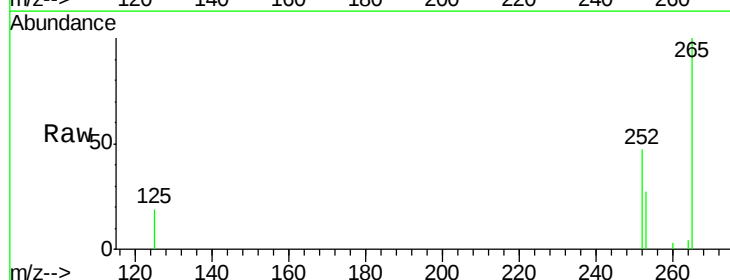
Tgt Ion:252 Resp: 1242

Ion Ratio Lower Upper

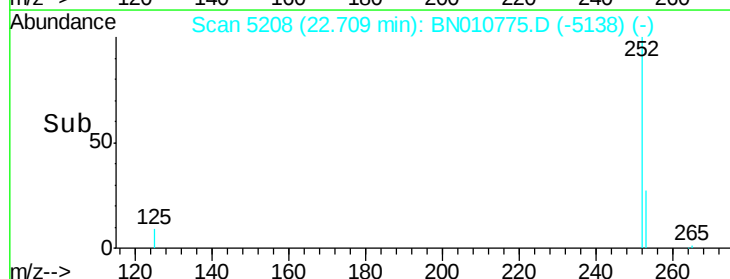
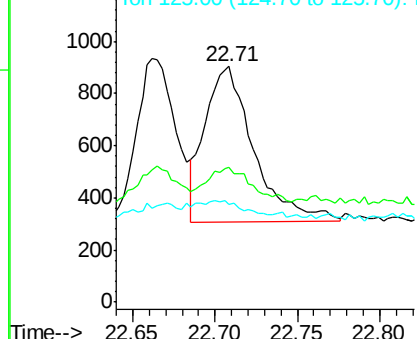
252 100

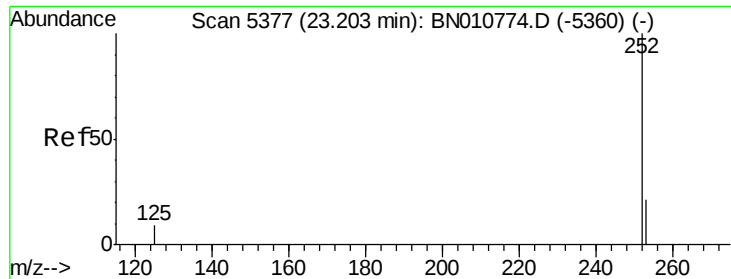
253 57.4 22.7 34.1#

125 41.4 12.2 18.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.061 ng/u1

RT: 23.21 min Scan# 5379

Delta R.T. 0.01 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-04

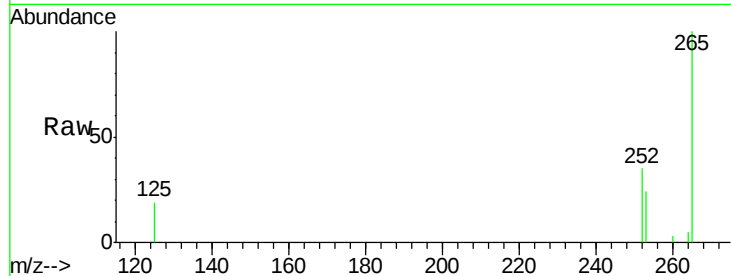
Tot Ion:252 Resp: 1013

Ion Ratio Lower Upper

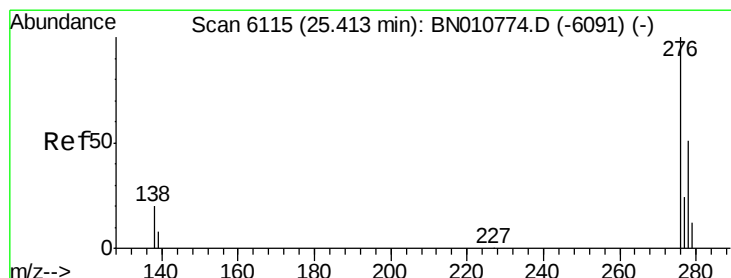
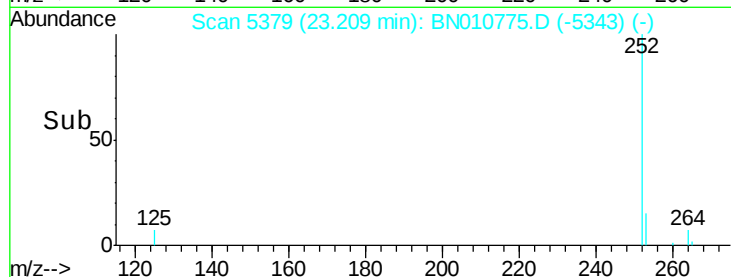
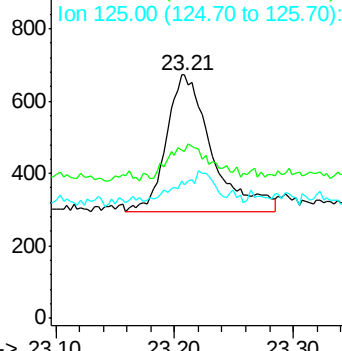
252 100

253 68.3 26.3 39.5#

125 54.6 16.1 24.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.057 ng/u1

RT: 25.43 min Scan# 6120

Delta R.T. 0.02 min

Lab File: BN010775.D

Acq: 05 Jun 2020 11:03

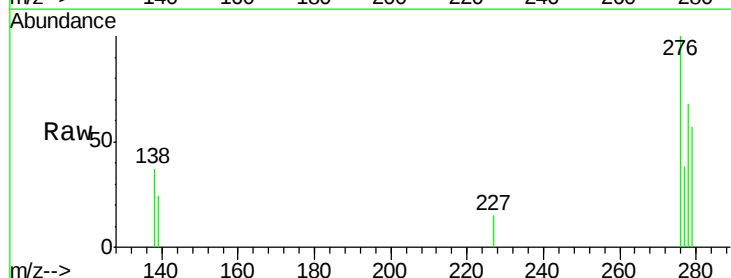
Tgt Ion:276 Resp: 1297

Ion Ratio Lower Upper

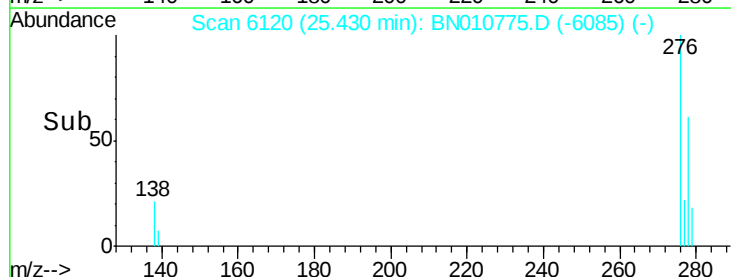
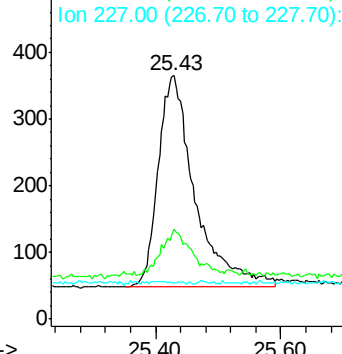
276 100

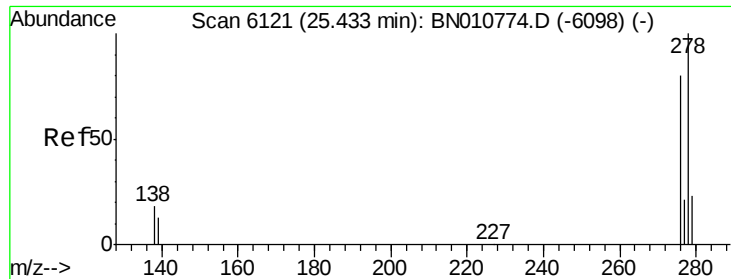
138 19.5 17.6 26.4

227 0.2 0.1 0.1#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

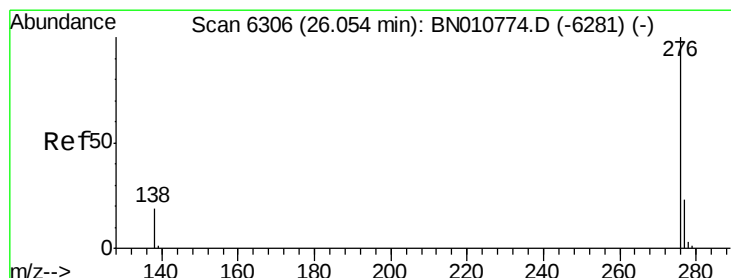
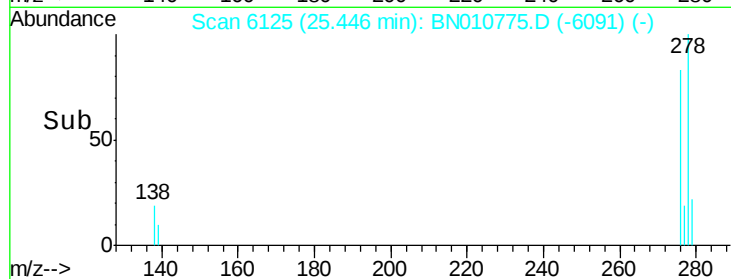
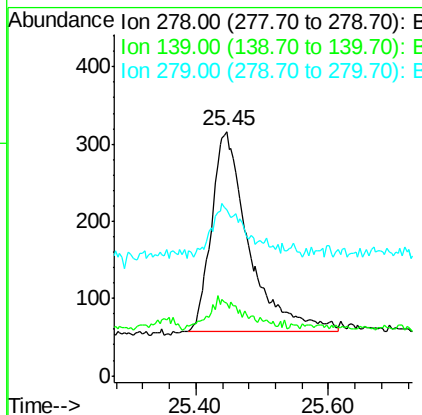
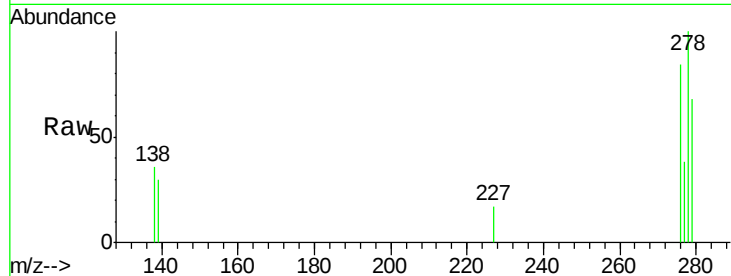




#25
Dibenzo(a,h)anthracene
Concen: 0.055 ng/ul
RT: 25.45 min Scan# 6125
Delta R.T. 0.01 min
Lab File: BN010775.D
Acq: 05 Jun 2020 11:03

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-04

Tot Ion:278 Resp: 1016
Ion Ratio Lower Upper
278 100
139 29.7 13.7 20.5#
279 68.0 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.059 ng/ul
RT: 26.06 min Scan# 6309
Delta R.T. 0.01 min
Lab File: BN010775.D
Acq: 05 Jun 2020 11:03

Tgt Ion:276 Resp: 1234
Ion Ratio Lower Upper
276 100
138 31.6 17.5 26.3#
277 38.7 20.7 31.1#

