

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081820\
 Data File : BM027119.D
 Acq On : 18 Aug 2020 10:00
 Operator : JU/CG
 Sample : L1955-01
 Misc : MDL-S-01-0.07PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-01

Quant Time: Aug 18 11:55:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 18 11:17:38 2020
 Response via : Initial Calibration

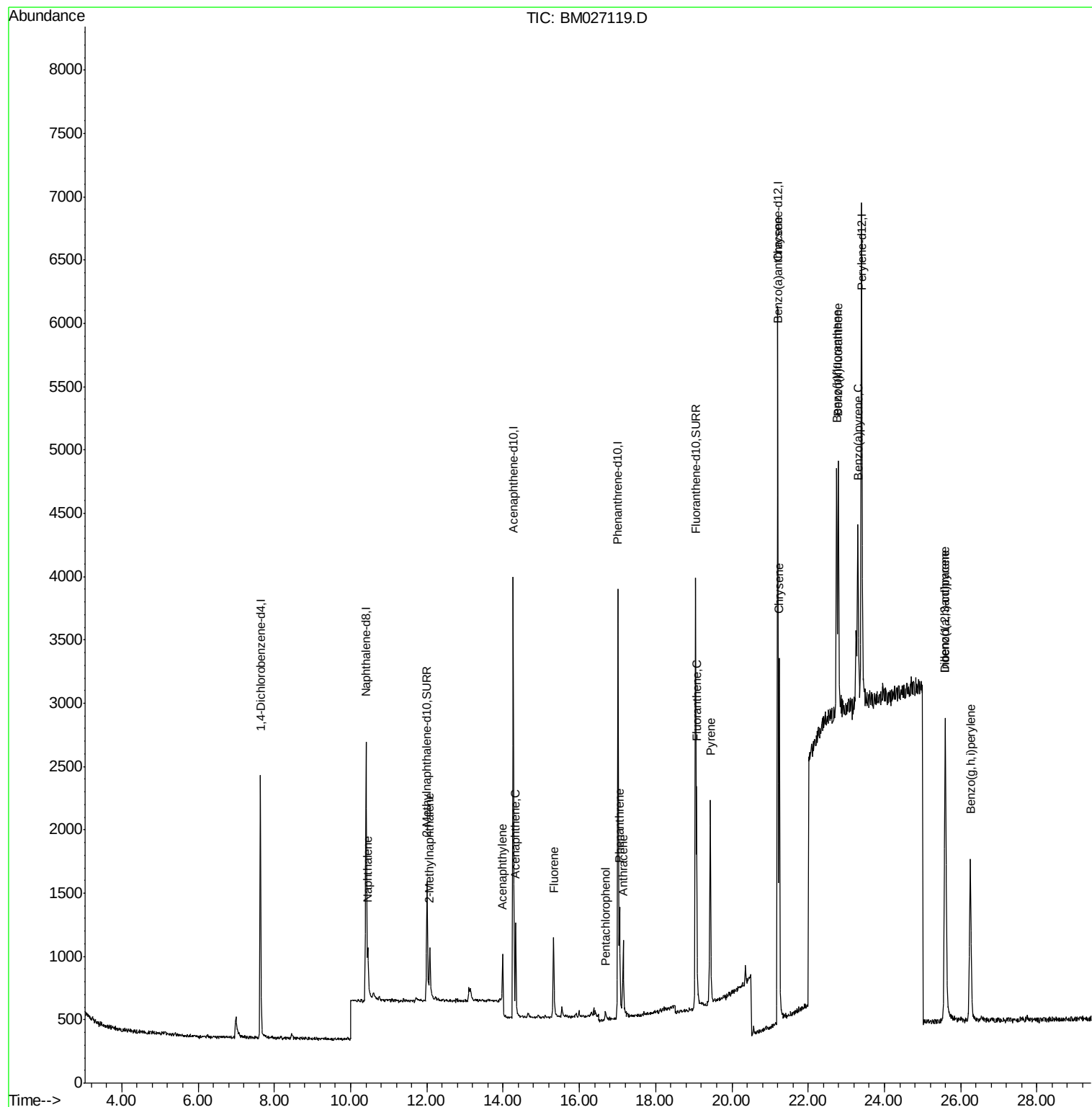
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1098	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3389	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	2130	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	4859	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5088	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	5271	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1773	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	4436	0.32	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	529	0.052	ng/ul#	69
5) 2-Methylnaphthalene	12.08	142	362	0.052	ng/ul	96
7) Acenaphthylene	13.99	152	458	0.050	ng/ul#	77
8) Acenaphthene	14.33	153	414	0.052	ng/ul	92
9) Fluorene	15.32	166	493	0.051	ng/ul#	94
11) Pentachlorophenol	16.69	266	90	0.056	ng/ul	92
12) Phenanthrene	17.05	178	904	0.055	ng/ul#	82
13) Anthracene	17.15	178	788	0.053	ng/ul#	82
15) Fluoranthene	19.07	202	1509	0.076	ng/ul	88
17) Pyrene	19.44	202	1664	0.076	ng/ul#	92
18) Benzo(a)anthracene	21.19	228	2160	0.107	ng/ul	99
19) Chrysene	21.24	228	2559	0.117	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	2550	0.113	ng/ul	79
22) Benzo(k)fluoranthene	22.79	252	2716	0.116	ng/ul#	79
23) Benzo(a)pyrene	23.30	252	2192	0.107	ng/ul#	71
24) Indeno(1,2,3-cd)pyrene	25.59	276	3216	0.114	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.61	278	2598	0.113	ng/ul#	81
26) Benzo(g,h,i)perylene	26.25	276	2793	0.115	ng/ul#	92

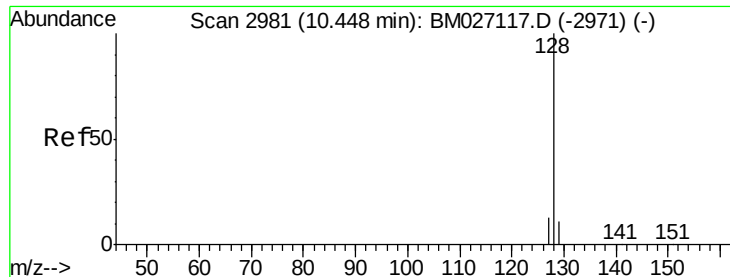
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

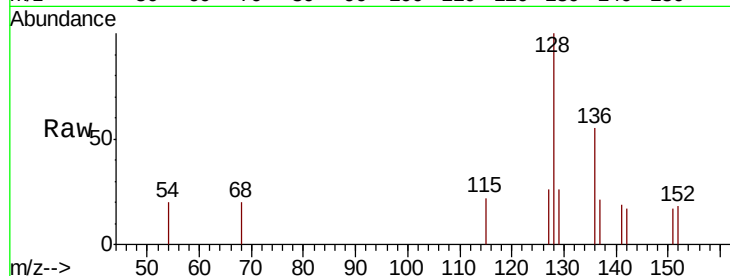
Tot Ion:128 Resp: 529

Ion Ratio Lower Upper

128 100

129 25.9 10.1 15.1#

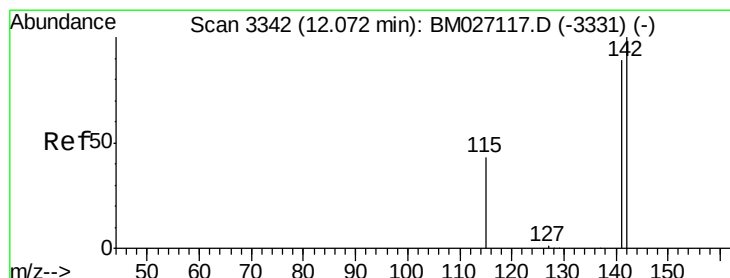
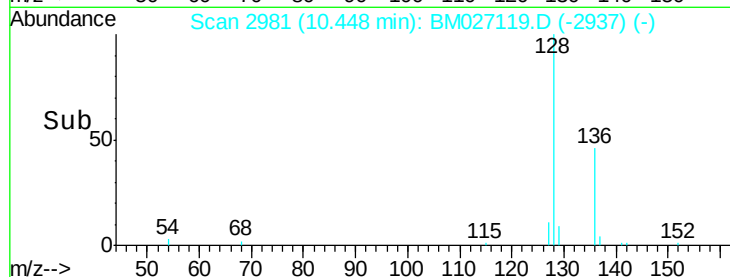
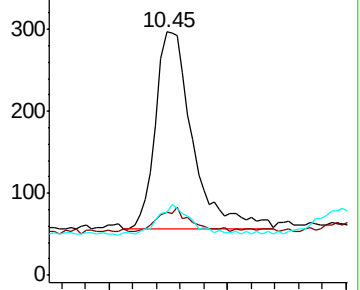
127 25.9 11.6 17.4#



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: 0.052 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. 0.01 min

Lab File: BM027119.D

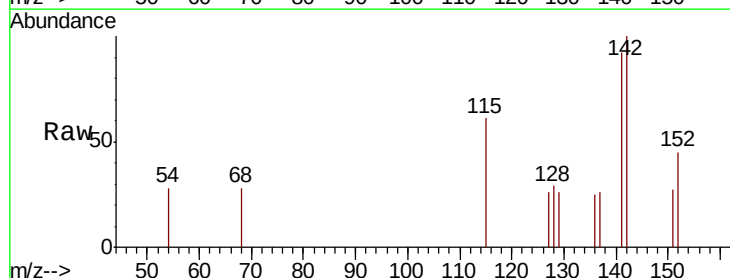
Acq: 18 Aug 2020 10:00

Tgt Ion:142 Resp: 362

Ion Ratio Lower Upper

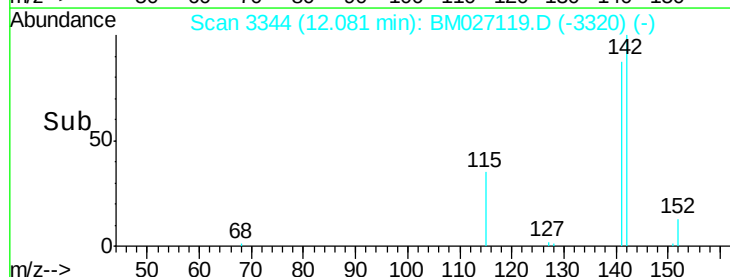
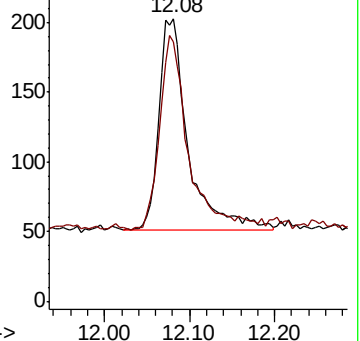
142 100

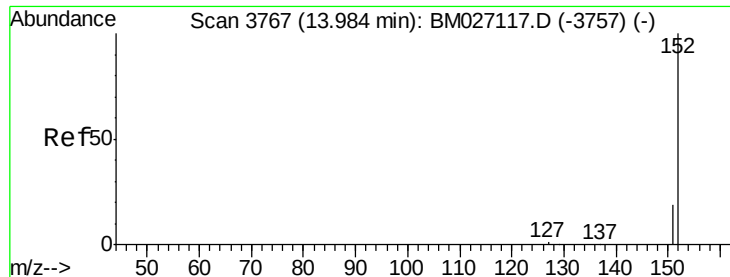
141 87.3 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

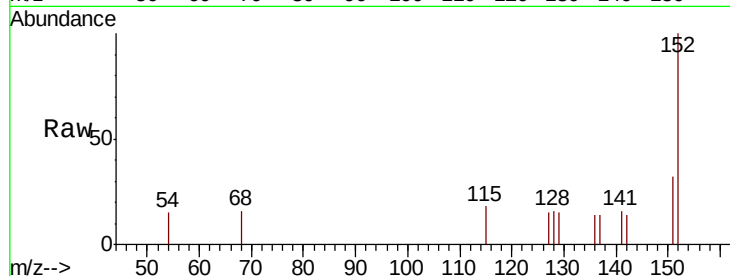
Tot Ion:152 Resp: 458

Ion Ratio Lower Upper

152 100

151 32.0 16.9 25.3#

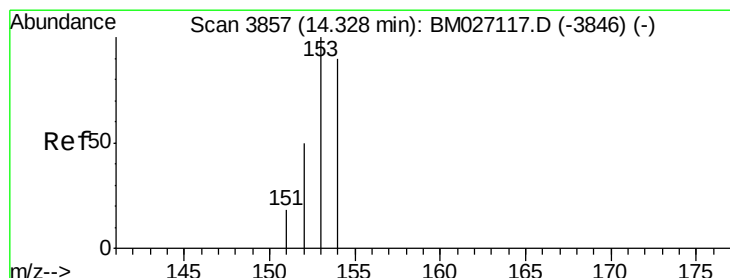
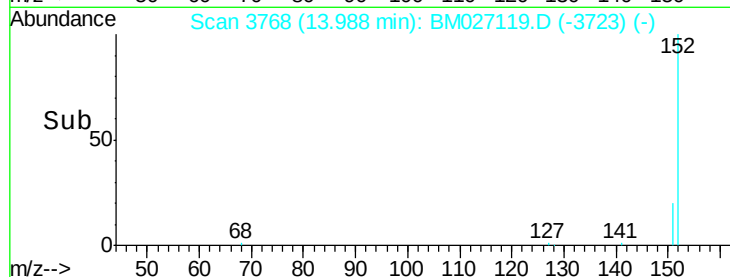
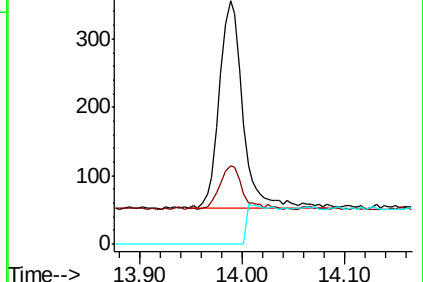
153 0.0 0.0 0.0



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



#8

Acenaphthene

Concen: 0.052 ng/ul

RT: 14.33 min Scan# 3857

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

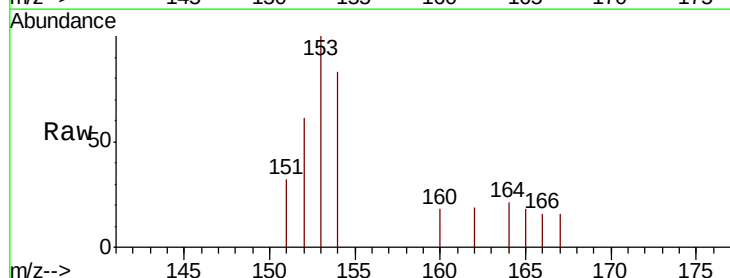
Tgt Ion:153 Resp: 414

Ion Ratio Lower Upper

153 100

152 61.0 40.9 61.3

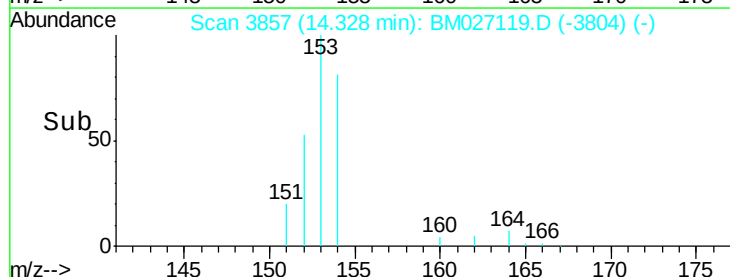
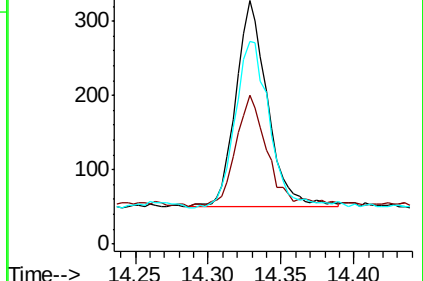
154 83.2 70.0 105.0

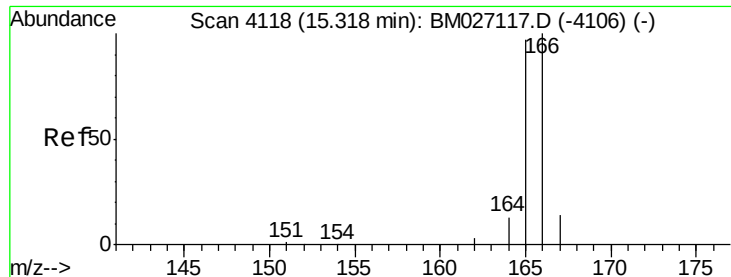


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

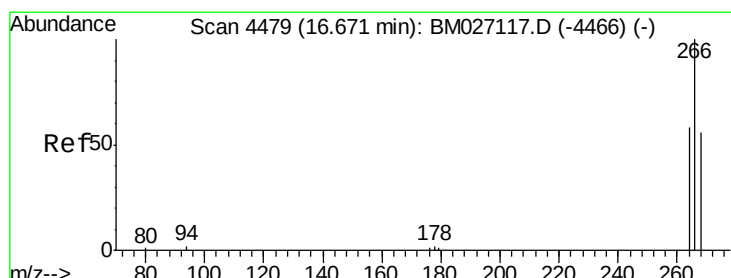
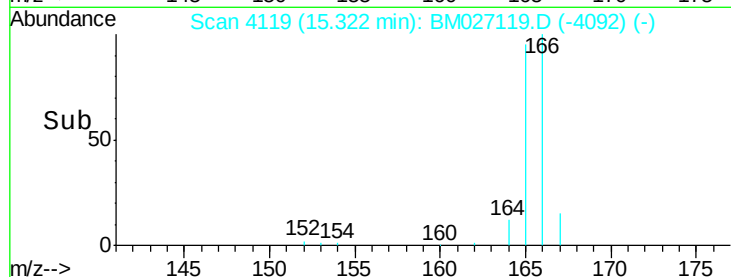
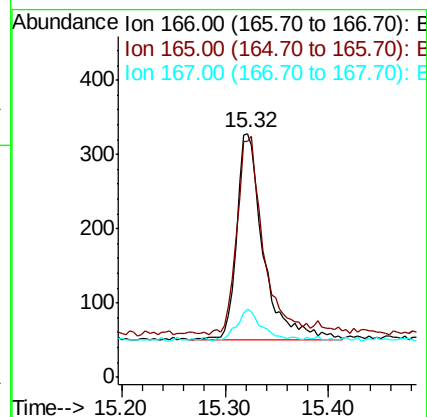
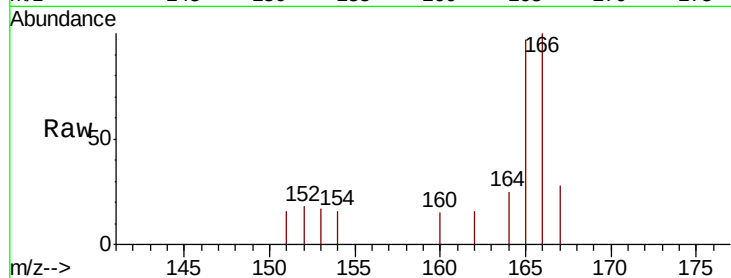
Tot Ion:166 Resp: 493

Ion Ratio Lower Upper

166 100

165 97.0 79.8 119.6

167 28.0 12.1 18.1#



#11

Pentachlorophenol

Concen: 0.056 ng/ul

RT: 16.69 min Scan# 4484

Delta R.T. 0.02 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

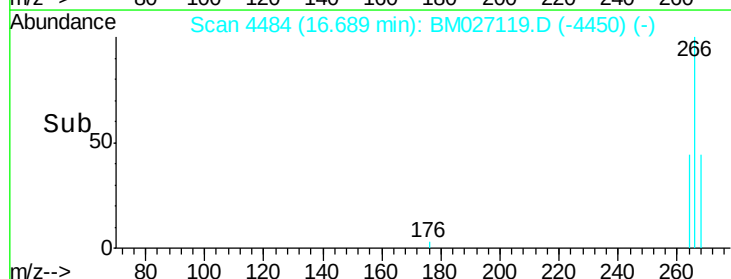
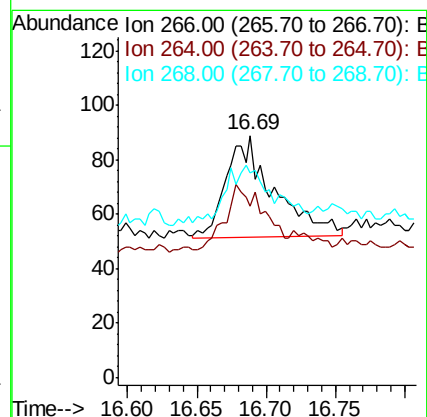
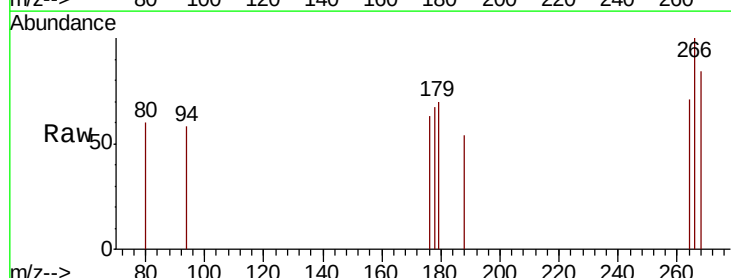
Tgt Ion:266 Resp: 90

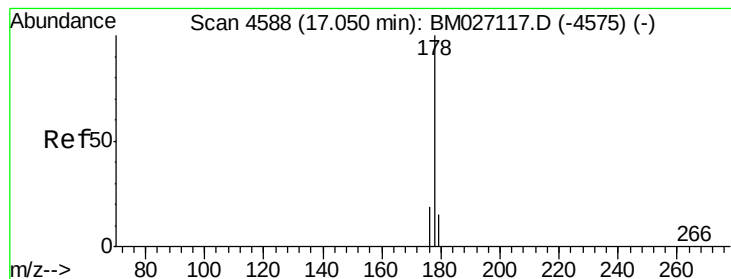
Ion Ratio Lower Upper

266 100

264 53.3 47.8 71.8

268 54.4 48.5 72.7





#12

Phenanthrene

Concen: 0.055 ng/ul

RT: 17.05 min Scan# 4589

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

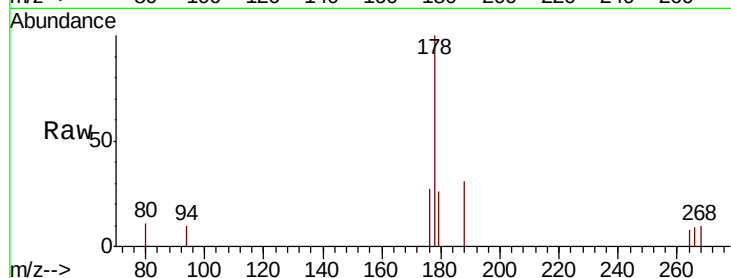
Tot Ion:178 Resp: 904

Ion Ratio Lower Upper

178 100

179 25.9 13.4 20.2#

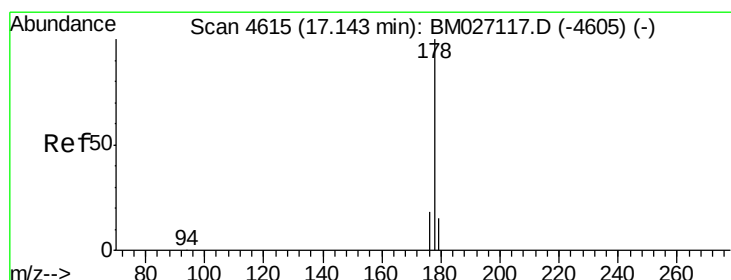
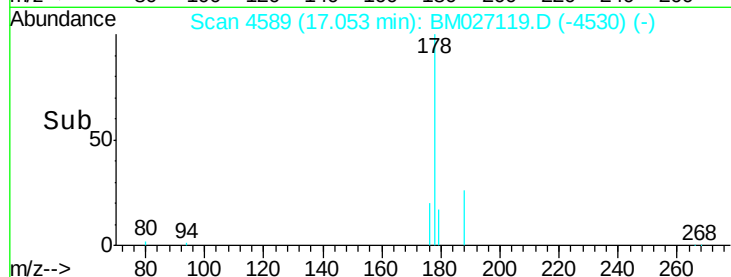
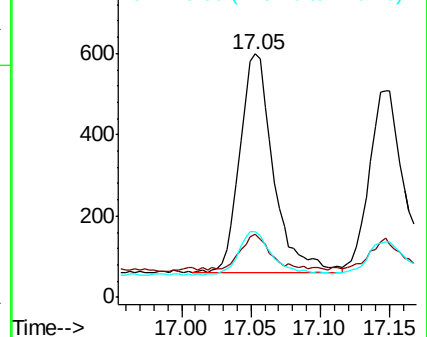
176 27.0 16.0 24.0#



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: 0.053 ng/ul

RT: 17.15 min Scan# 4617

Delta R.T. 0.01 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

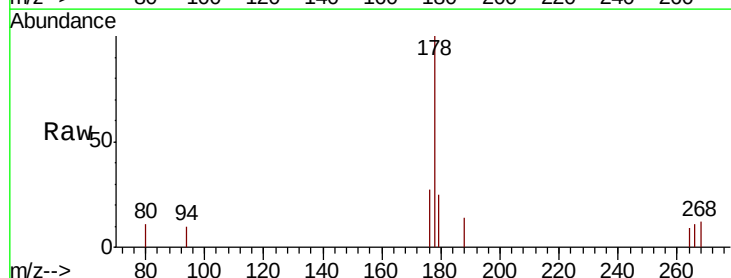
Tgt Ion:178 Resp: 788

Ion Ratio Lower Upper

178 100

179 25.4 13.7 20.5#

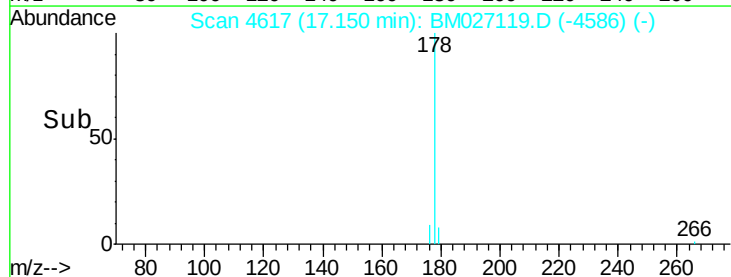
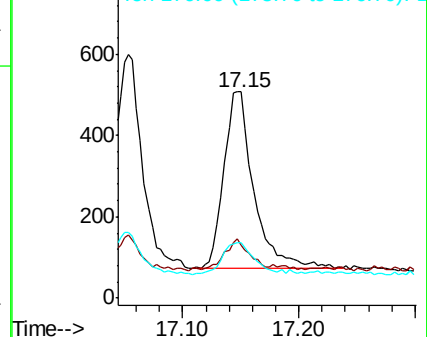
176 27.2 15.5 23.3#

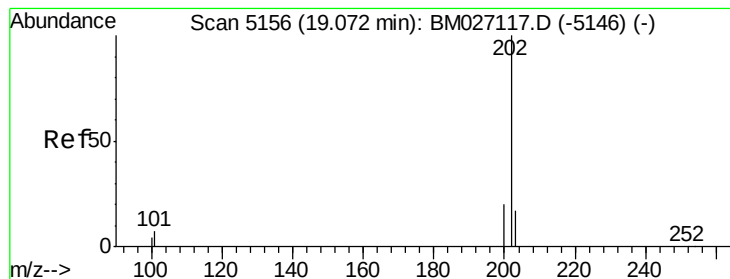


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.076 ng/ul

RT: 19.07 min Scan# 5156

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

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ClientSampleId :

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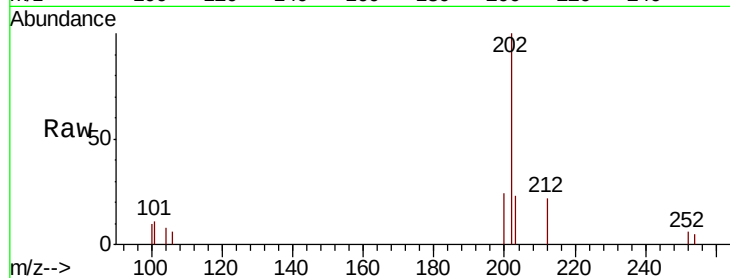
Tot Ion:202 Resp: 1509

Ion Ratio Lower Upper

202 100

101 11.2 0.0 27.1

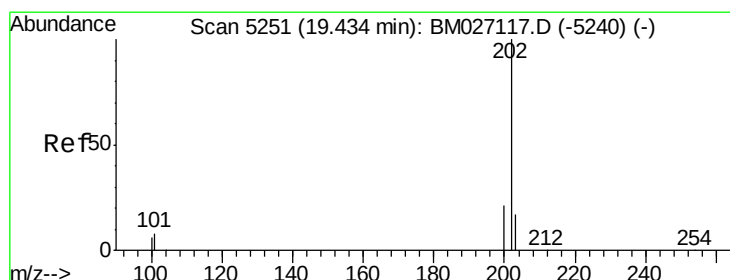
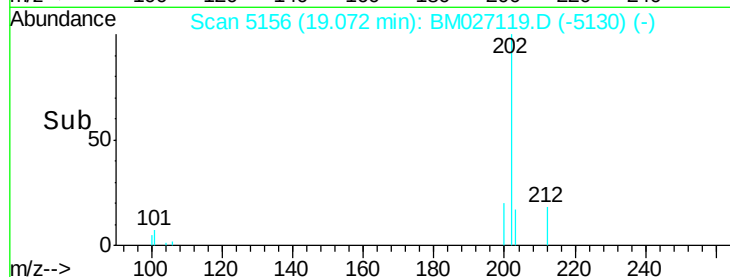
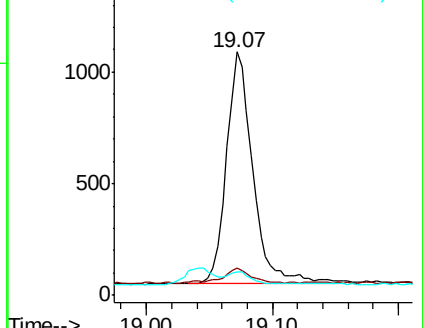
100 9.7 0.0 25.7



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



#17

Pyrene

Concen: 0.076 ng/ul

RT: 19.44 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

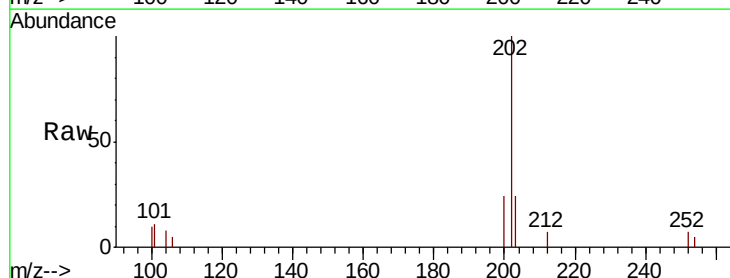
Tgt Ion:202 Resp: 1664

Ion Ratio Lower Upper

202 100

101 10.8 6.6 9.8#

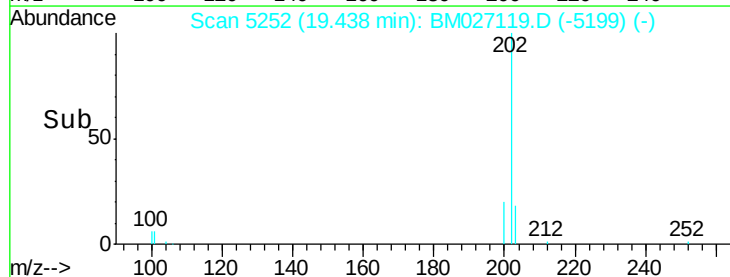
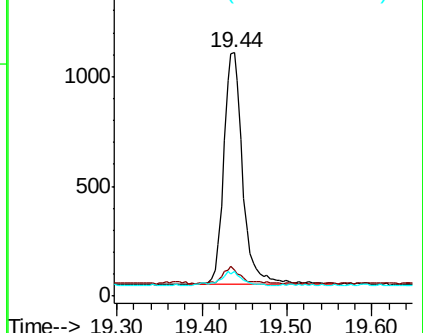
100 10.3 5.6 8.4#

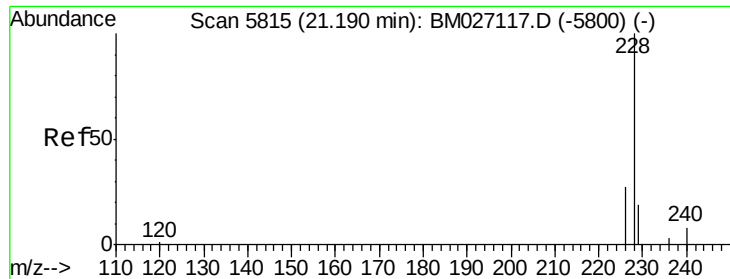


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.107 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

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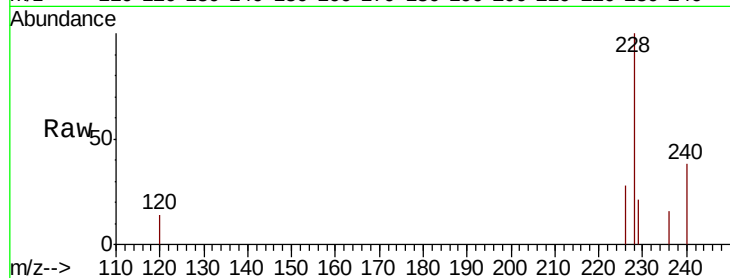
Tot Ion:228 Resp: 2160

Ion Ratio Lower Upper

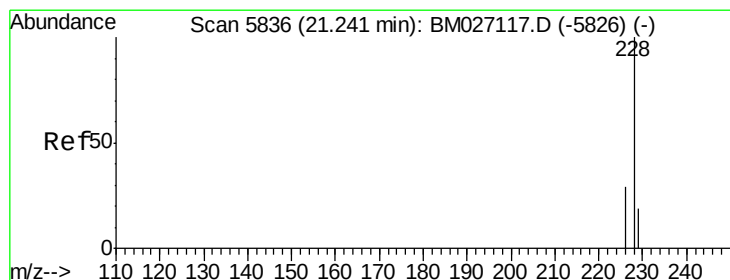
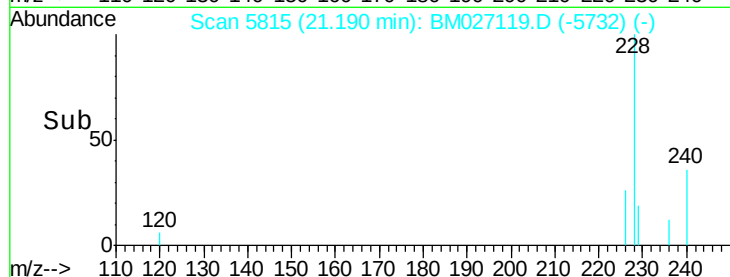
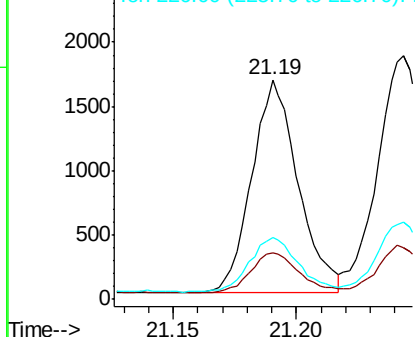
228 100

229 21.0 16.2 24.4

226 28.3 22.4 33.6



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: 0.117 ng/ul

RT: 21.24 min Scan# 5837

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

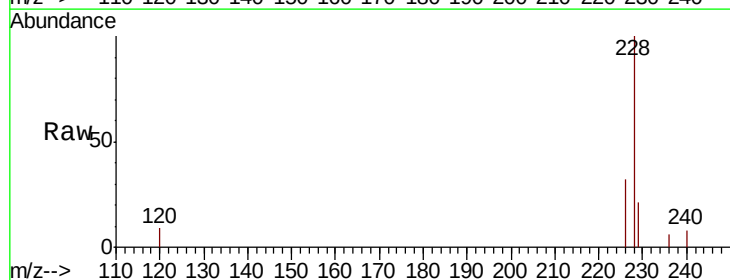
Tgt Ion:228 Resp: 2559

Ion Ratio Lower Upper

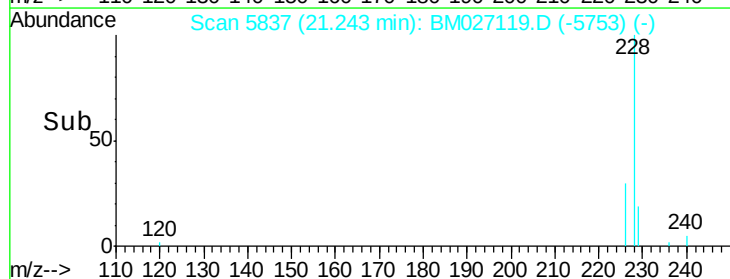
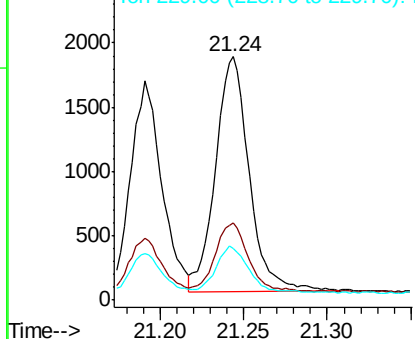
228 100

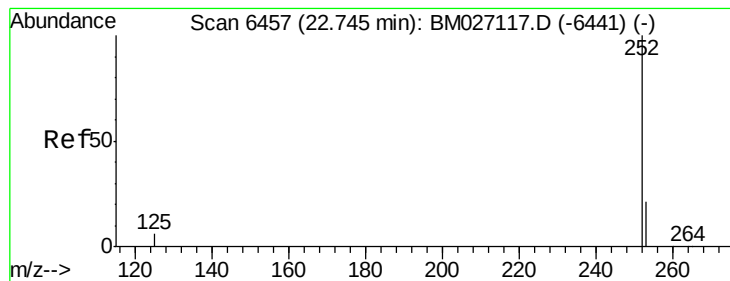
226 31.9 24.6 36.8

229 21.4 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





#21

Benzo(b)fluoranthene

Concen: 0.113 ng/ul

RT: 22.75 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

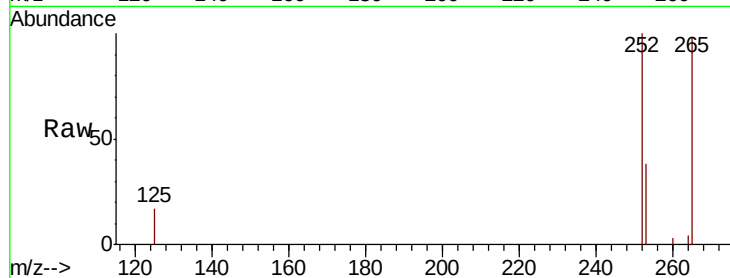
Tot Ion:252 Resp: 2550

Ion Ratio Lower Upper

252 100

253 38.2 0.0 54.0

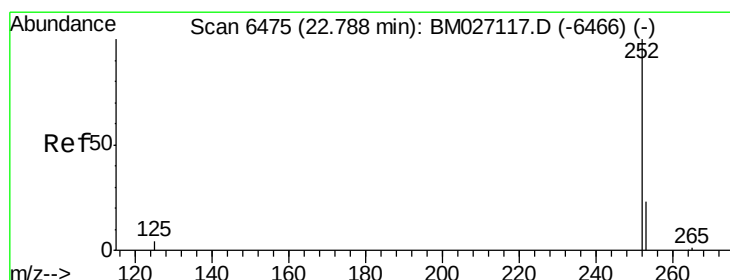
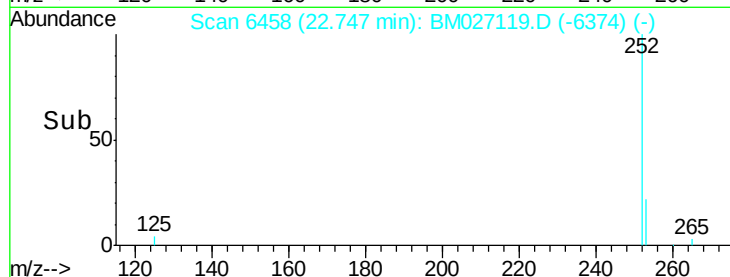
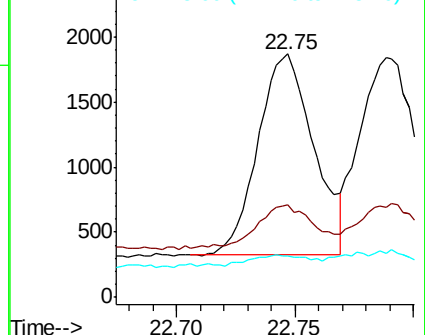
125 17.0 0.0 20.8



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: 0.116 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

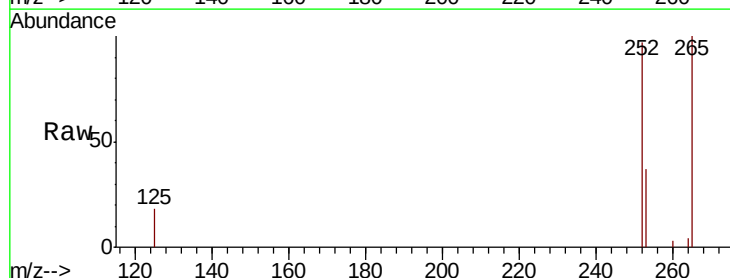
Tgt Ion:252 Resp: 2716

Ion Ratio Lower Upper

252 100

253 37.8 21.7 32.5#

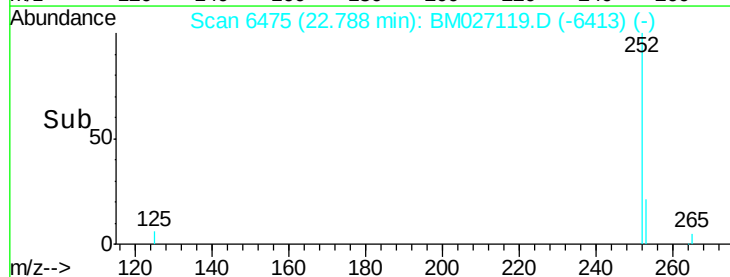
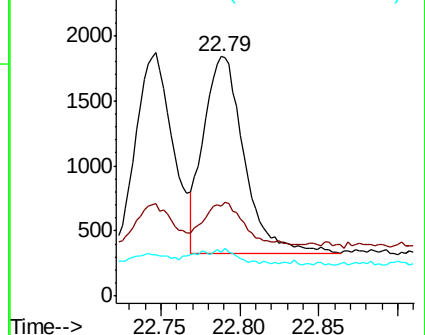
125 18.4 7.9 11.9#

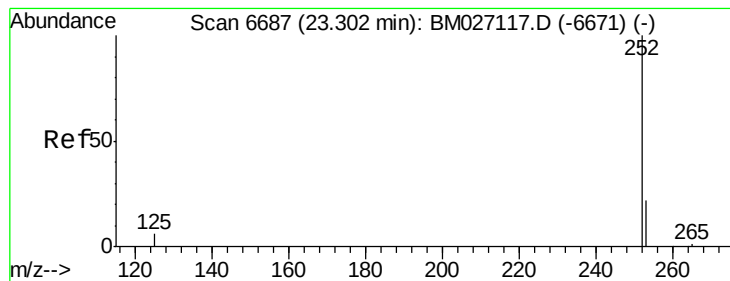


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.107 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

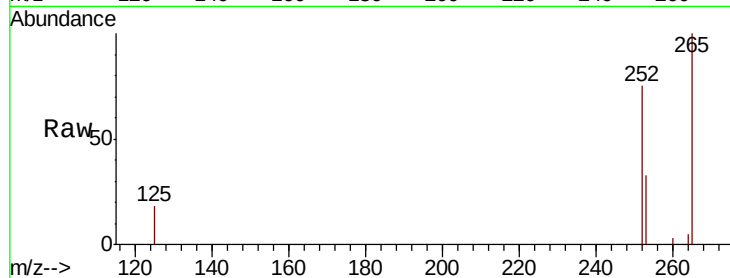
Tot Ion:252 Resp: 2192

Ion Ratio Lower Upper

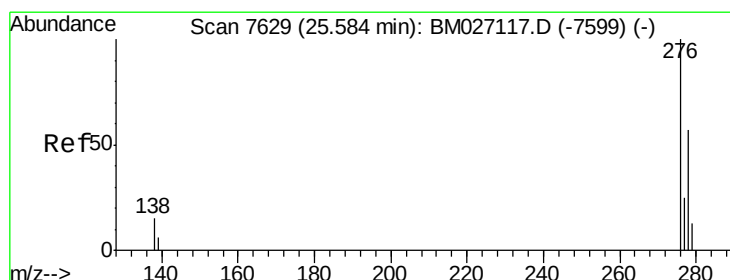
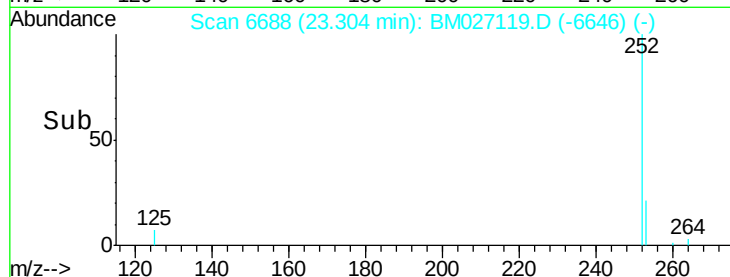
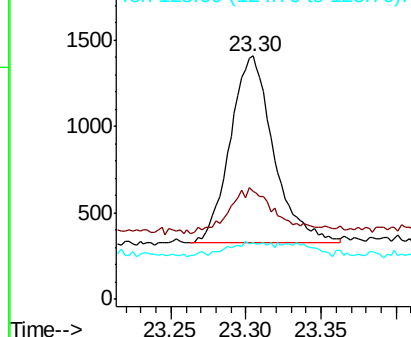
252 100

253 44.2 23.4 35.0#

125 23.6 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.114 ng/ul

RT: 25.59 min Scan# 7630

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

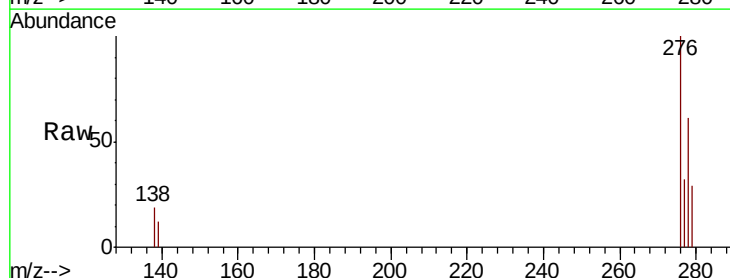
Tgt Ion:276 Resp: 3216

Ion Ratio Lower Upper

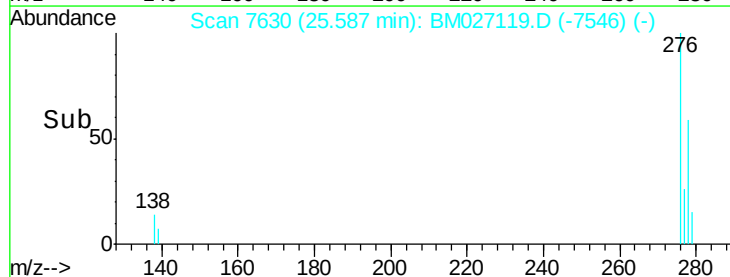
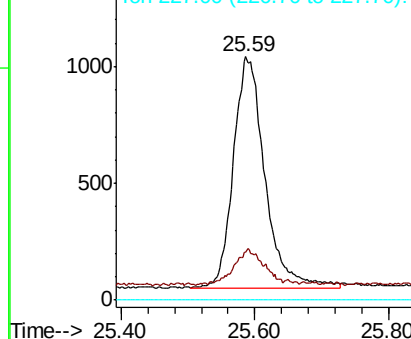
276 100

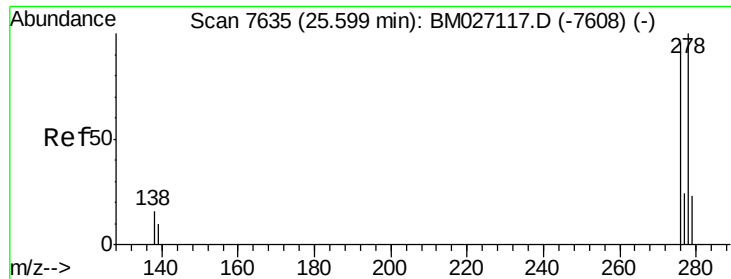
138 13.9 12.2 18.2

227 0.0 0.0 0.0



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: 0.113 ng/ul

RT: 25.61 min Scan# 7638

Delta R.T. 0.01 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

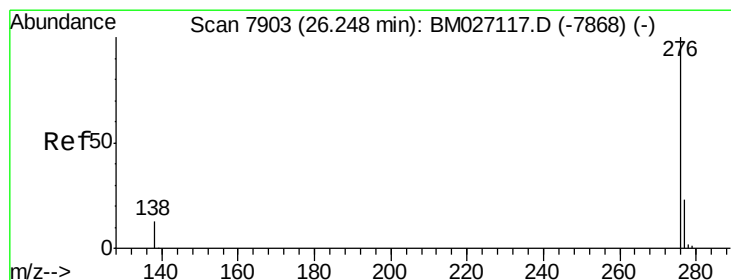
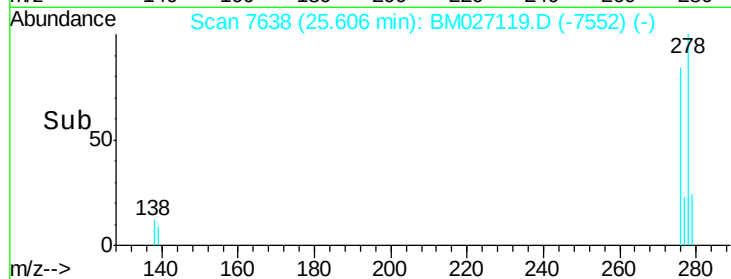
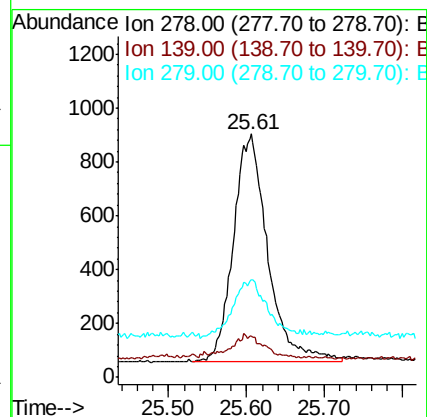
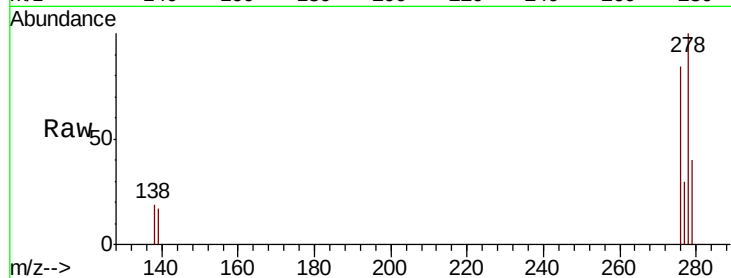
Tot Ion:278 Resp: 2598

Ion Ratio Lower Upper

278 100

139 17.1 10.0 15.0#

279 40.2 22.9 34.3#



#26

Benzo(g,h,i)perylene

Concen: 0.115 ng/ul

RT: 26.25 min Scan# 7904

Delta R.T. 0.00 min

Lab File: BM027119.D

Acq: 18 Aug 2020 10:00

Tgt Ion:276 Resp: 2793

Ion Ratio Lower Upper

276 100

138 18.7 12.0 18.0#

277 30.2 20.9 31.3

