

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110720\
 Data File : BM027742.D
 Acq On : 07 Nov 2020 03:23
 Operator : JU/CG
 Sample : L4485-07
 Misc : SFAM-SIM-MDL-S-08
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Nov 07 03:56:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:24:33 2020
 Response via : Initial Calibration

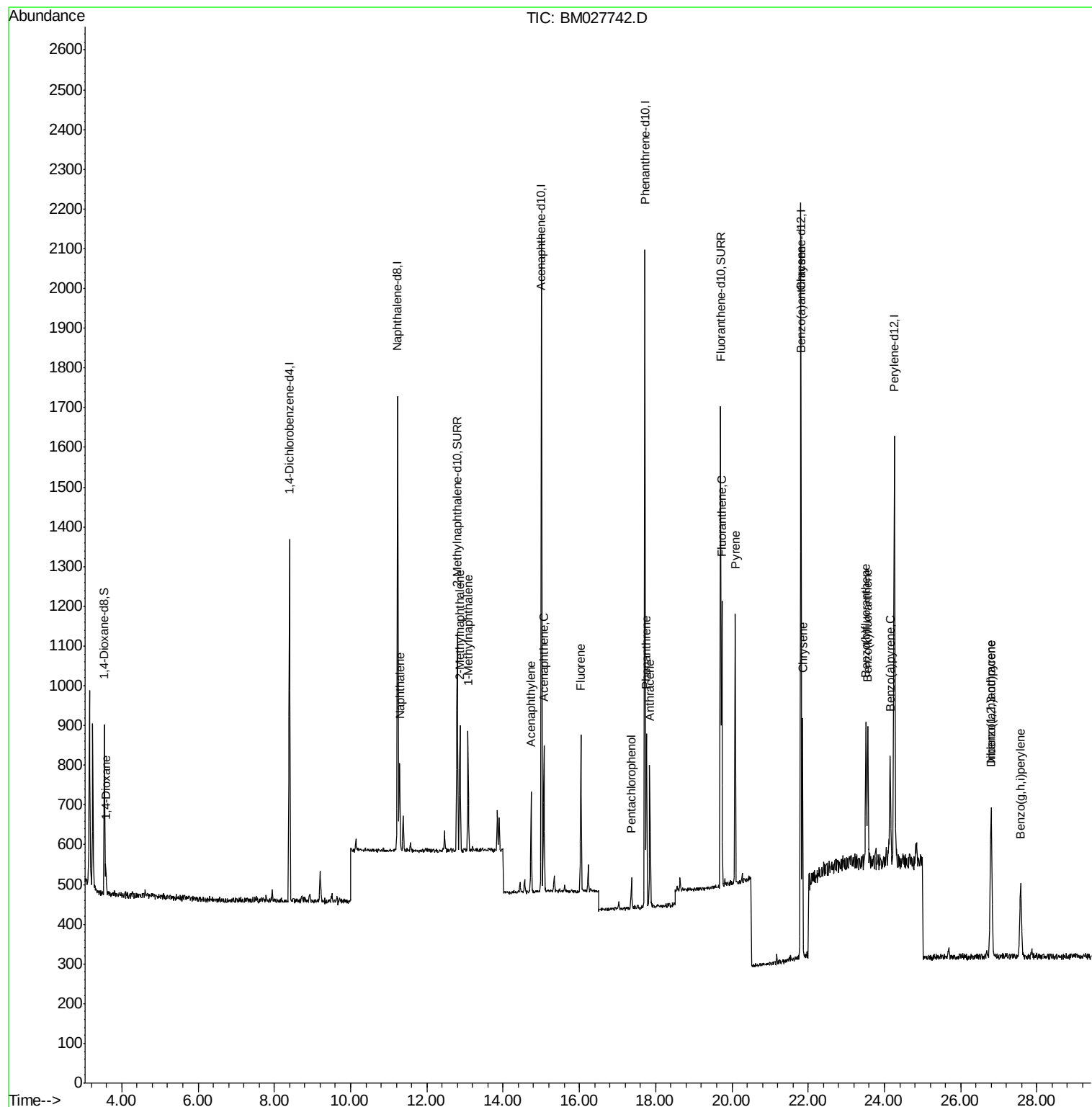
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	452	0.40	ng/ul	0.00
4) Naphthalene-d8	11.23	136	1505	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	929	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	2056	0.40	ng/ul	0.00
19) Chrysene-d12	21.81	240	1714	0.40	ng/ul	0.00
23) Perylene-d12	24.26	264	1538	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	238	0.51	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.79	152	662	0.26	ng/ul	0.00
17) Fluoranthene-d10	19.70	212	1421	0.26	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.58	88	43	0.086	ng/ul	90
5) Naphthalene	11.29	128	303	0.071	ng/ul#	67
7) 2-Methylnaphthalene	12.87	142	200	0.068	ng/ul	96
8) 1-Methylnaphthalene	13.08	142	183	0.066	ng/ul	97
10) Acenaphthylene	14.73	152	272	0.066	ng/ul#	68
11) Acenaphthene	15.07	153	207	0.066	ng/ul	90
12) Fluorene	16.04	166	243	0.065	ng/ul#	94
14) Pentachlorophenol	17.36	266	51	0.075	ng/ul	93
15) Phenanthrene	17.76	178	445	0.074	ng/ul#	83
16) Anthracene	17.85	178	392	0.067	ng/ul#	77
18) Fluoranthene	19.73	202	626	0.089	ng/ul#	82
20) Pyrene	20.09	202	588	0.088	ng/ul#	80
21) Benzo(a)anthracene	21.80	228	520	0.083	ng/ul#	83
22) Chrysene	21.85	228	532	0.083	ng/ul#	92
24) Benzo(b)fluoranthene	23.51	252	510	0.082	ng/ul#	70
25) Benzo(k)fluoranthene	23.56	252	470	0.076	ng/ul#	66
26) Benzo(a)pyrene	24.15	252	441	0.079	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	26.79	276	503	0.076	ng/ul#	72
28) Dibenzo(a,h)anthracene	26.81	278	405	0.074	ng/ul#	59
29) Benzo(a,h,i)perylene	27.57	276	414	0.075	ng/ul#	68

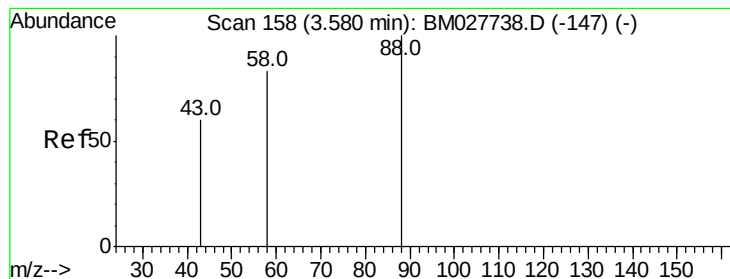
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#2

1,4-Dioxane

Concen: 0.086 ng/ul

RT: 3.58 min Scan# 158

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

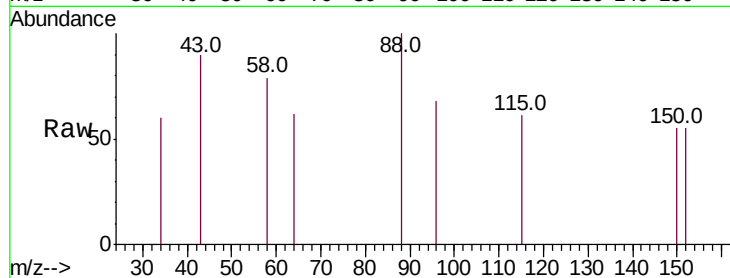
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 89.7 61.8 92.6

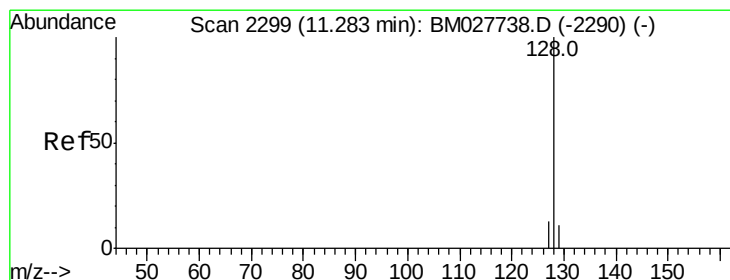
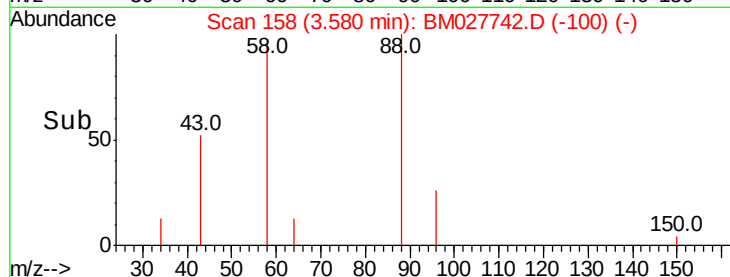
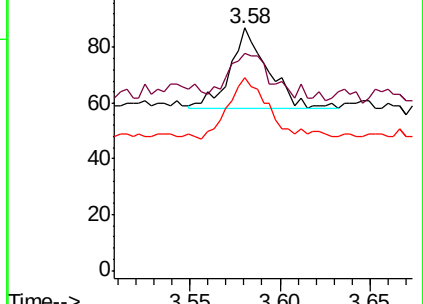
58 79.3 67.8 101.8



Abundance Ion 88.00 (87.70 to 88.70): BM027738.D (-147) (-)

Ion 43.00 (42.70 to 43.70): BM027738.D (-147) (-)

Ion 58.00 (57.70 to 58.70): BM027738.D (-147) (-)



#5

Naphthalene

Concen: 0.071 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

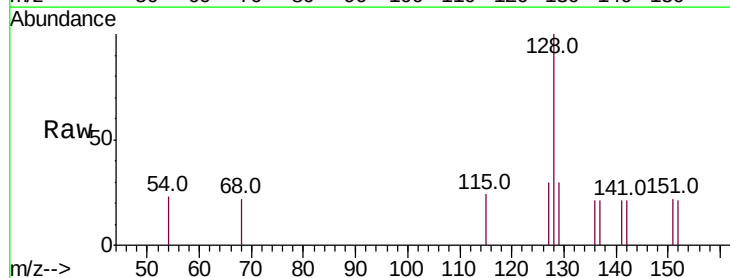
Tgt Ion: 128 Resp: 303

Ion Ratio Lower Upper

128 100

129 30.2 11.7 17.5#

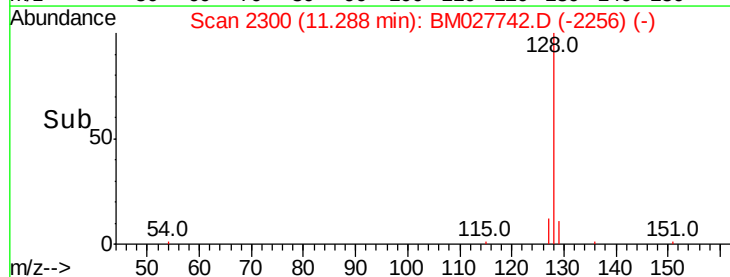
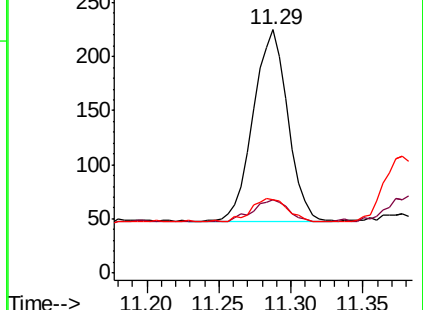
127 30.2 14.0 21.0#

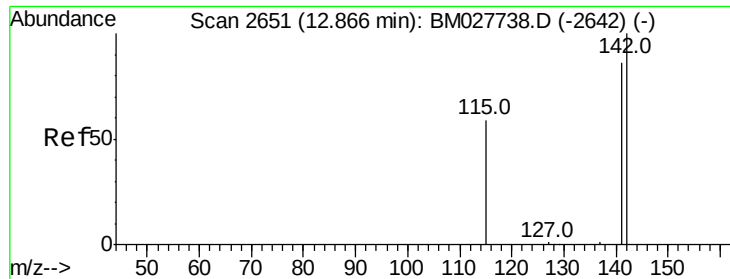


Abundance Ion 128.00 (127.70 to 128.70): BM027738.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027738.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027738.D (-2290) (-)





#7

2-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.87 min Scan# 2651

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

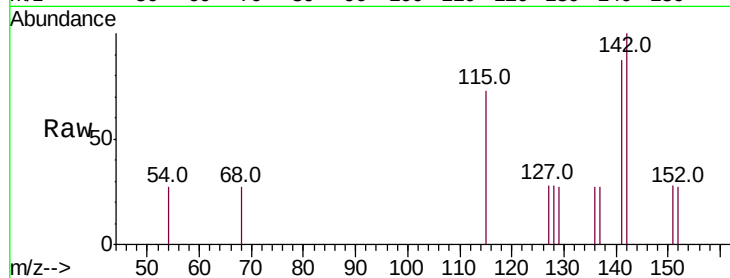
MDL-SOIL-07

Tot Ion:142 Resp: 200

Ion Ratio Lower Upper

142 100

141 93.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

200

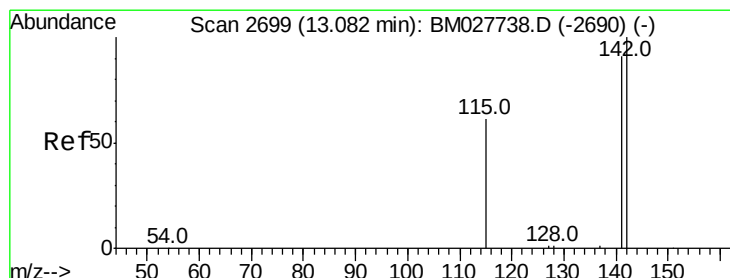
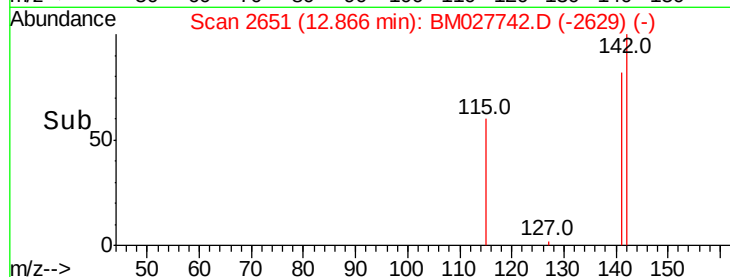
150

100

50

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.066 ng/ul

RT: 13.08 min Scan# 2699

Delta R.T. -0.00 min

Lab File: BM027742.D

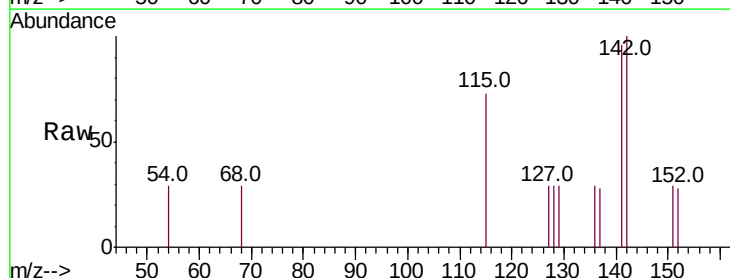
Acq: 07 Nov 2020 03:23

Tgt Ion:142 Resp: 183

Ion Ratio Lower Upper

142 100

141 95.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.08

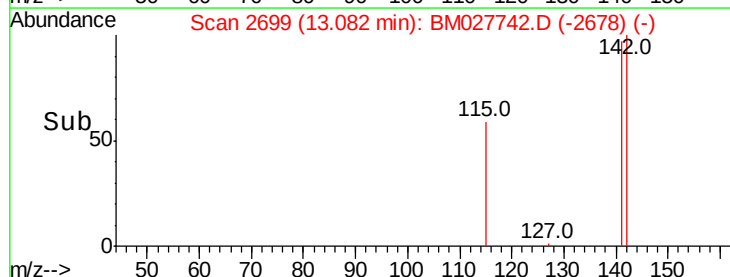
150

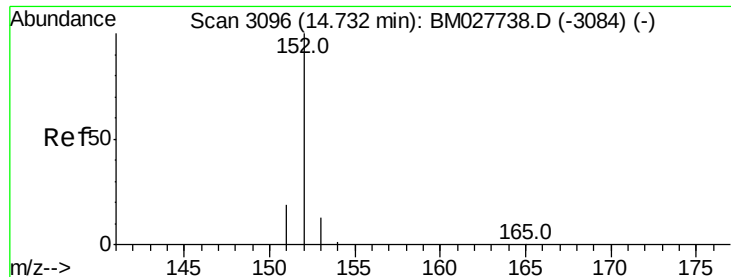
100

50

0

Time-->





#10

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.73 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

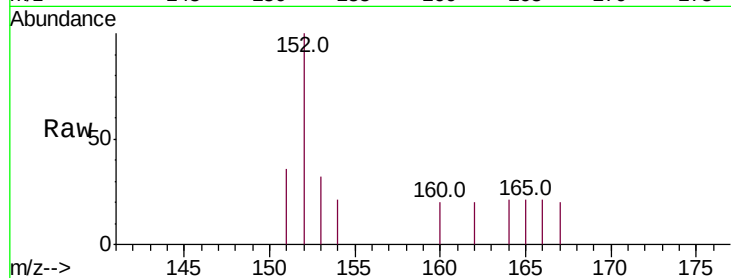
Tot Ion:152 Resp: 272

Ion Ratio Lower Upper

152 100

151 35.9 17.8 26.8#

153 32.5 13.5 20.3#



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

14.73

250

200

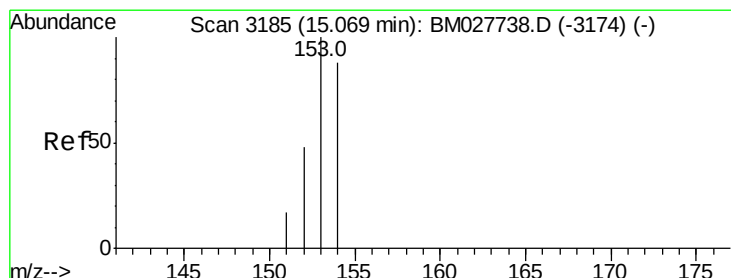
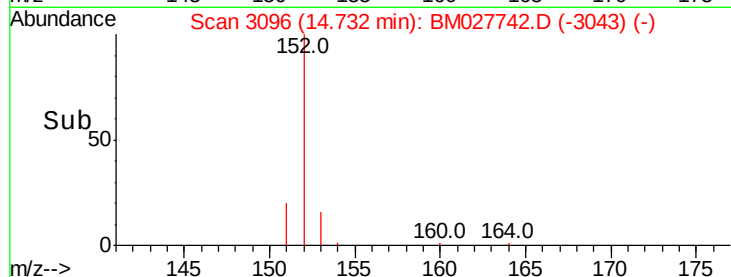
150

100

50

0

Time--> 14.65 14.70 14.75 14.80



#11

Acenaphthene

Concen: 0.066 ng/ul

RT: 15.07 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

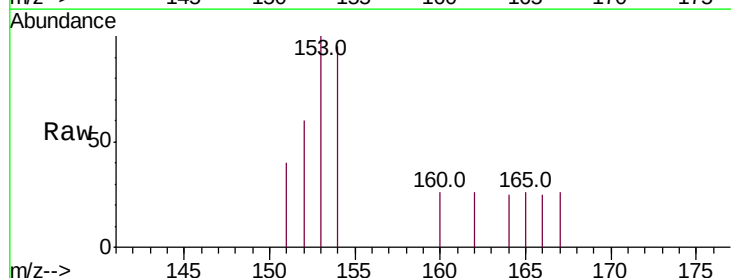
Tgt Ion:153 Resp: 207

Ion Ratio Lower Upper

153 100

152 60.4 40.6 60.8

154 95.2 71.0 106.4



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

15.07

250

200

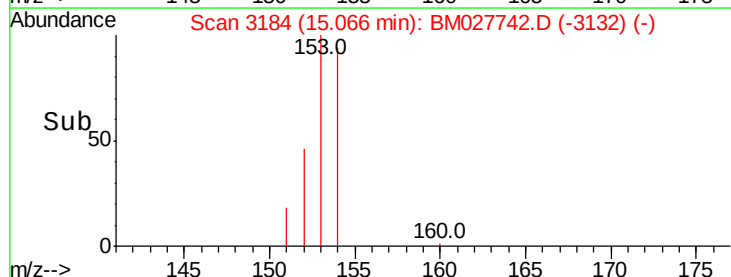
150

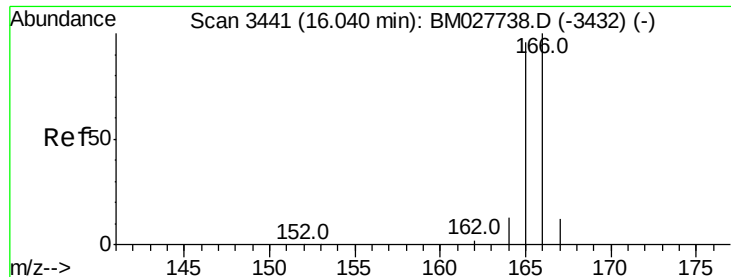
100

50

0

Time--> 15.00 15.05 15.10





#12

Fluorene

Concen: 0.065 ng/ul

RT: 16.04 min Scan# 3440

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

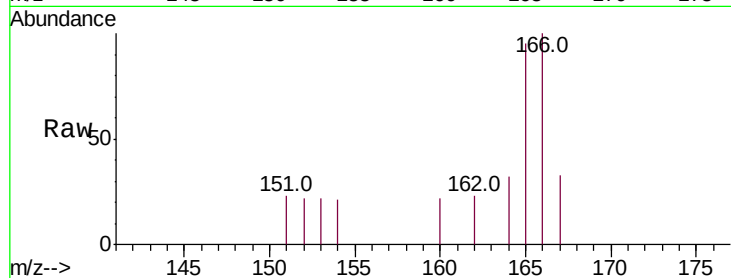
Tot Ion:166 Resp: 243

Ion Ratio Lower Upper

166 100

165 95.5 76.2 114.4

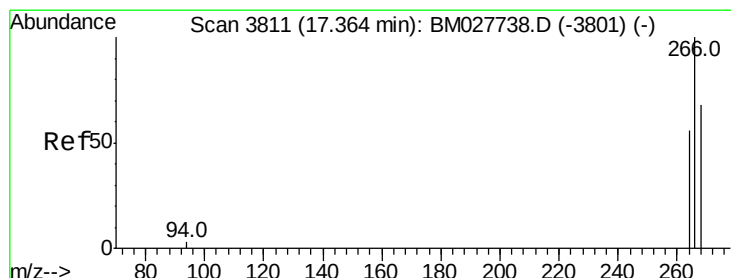
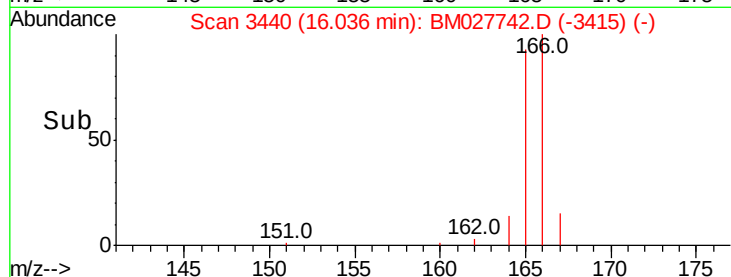
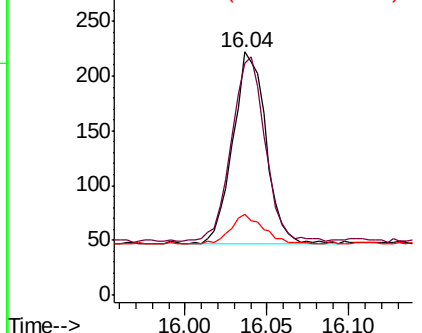
167 33.3 13.7 20.5#



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



#14

Pentachlorophenol

Concen: 0.075 ng/ul

RT: 17.36 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

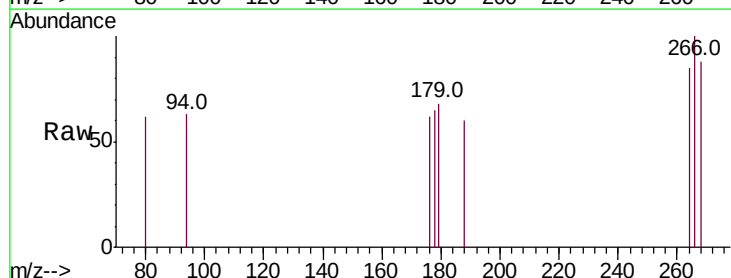
Tgt Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

264 64.7 48.2 72.4

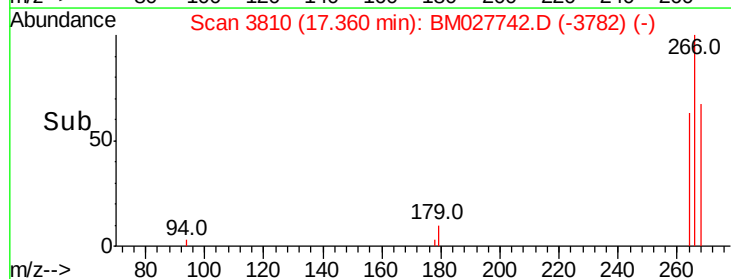
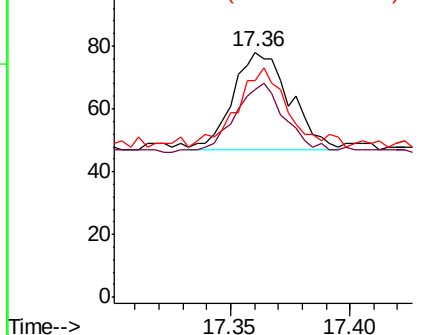
268 72.5 53.4 80.0

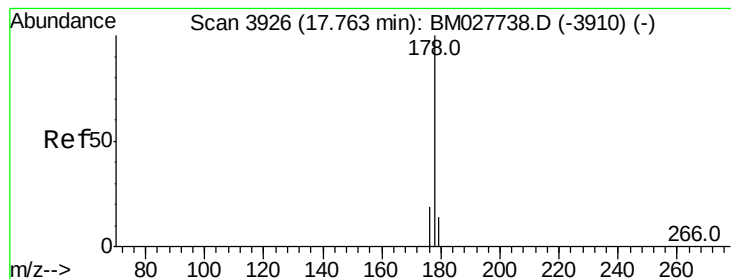


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.074 ng/ul

RT: 17.76 min Scan# 3925

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

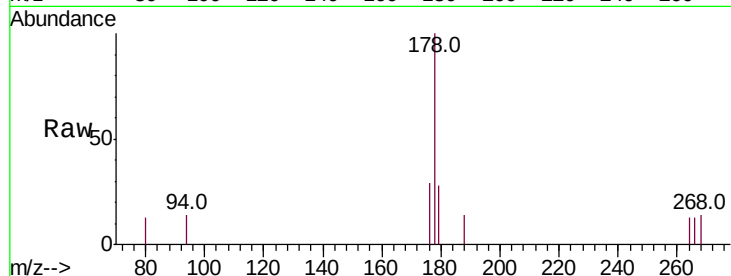
Tot Ion:178 Resp: 445

Ion Ratio Lower Upper

178 100

179 27.9 14.6 22.0#

176 29.0 18.2 27.2#



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

17.76

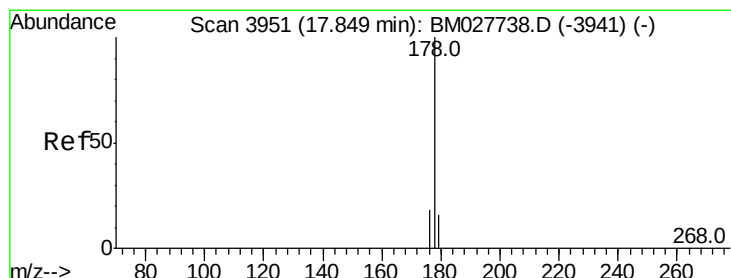
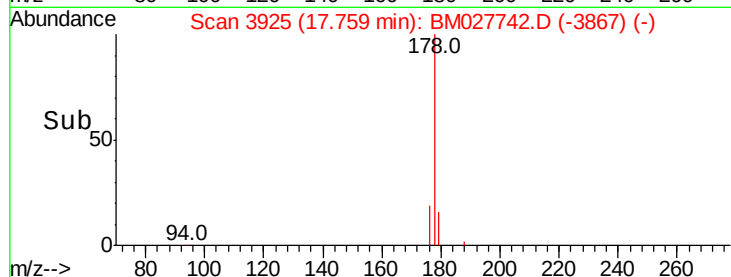
300

200

100

0

Time-->



#16

Anthracene

Concen: 0.067 ng/ul

RT: 17.85 min Scan# 3950

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

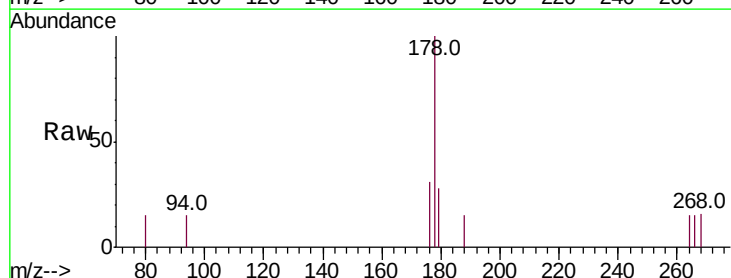
Tgt Ion:178 Resp: 392

Ion Ratio Lower Upper

178 100

179 28.3 14.1 21.1#

176 30.5 16.3 24.5#



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

17.85

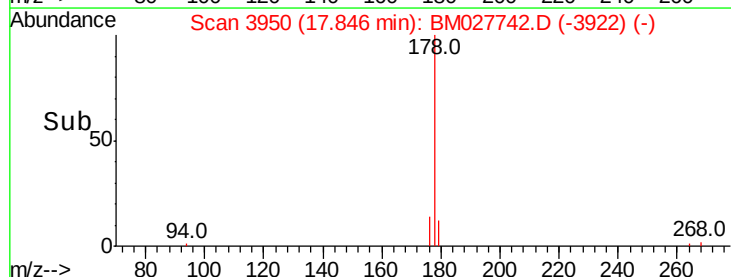
300

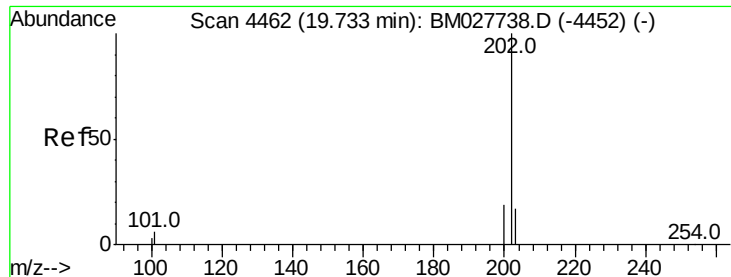
200

100

0

Time-->





#18

Fluoranthene

Concen: 0.089 ng/ul

RT: 19.73 min Scan# 4462

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

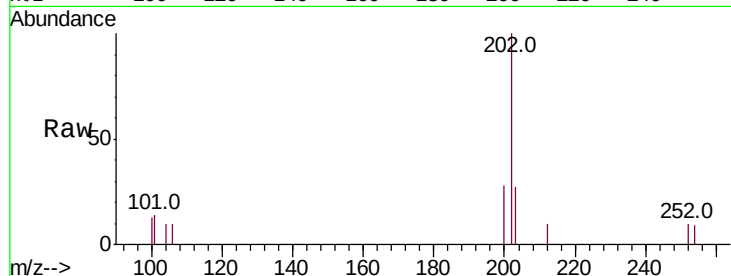
Tot Ion:202 Resp: 626

Ion Ratio Lower Upper

202 100

101 14.4 6.1 9.1#

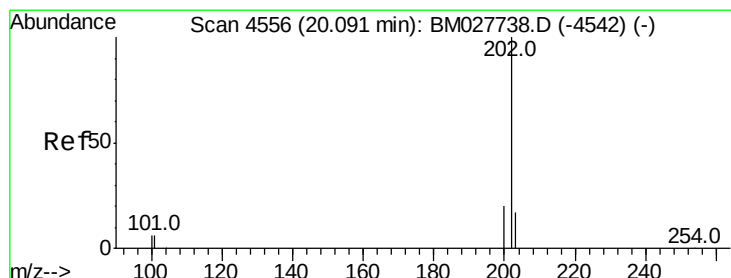
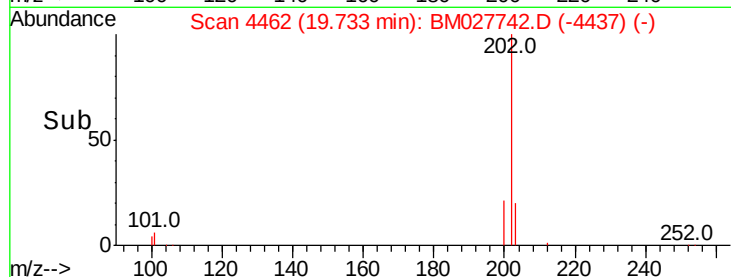
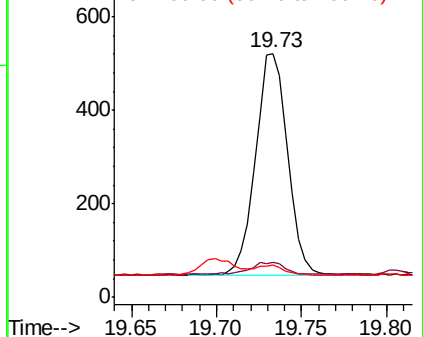
100 13.2 5.8 8.6#



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



#20

Pyrene

Concen: 0.088 ng/ul

RT: 20.09 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

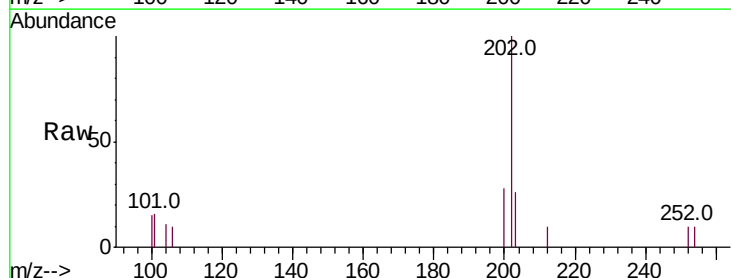
Tgt Ion:202 Resp: 588

Ion Ratio Lower Upper

202 100

101 16.5 7.4 11.0#

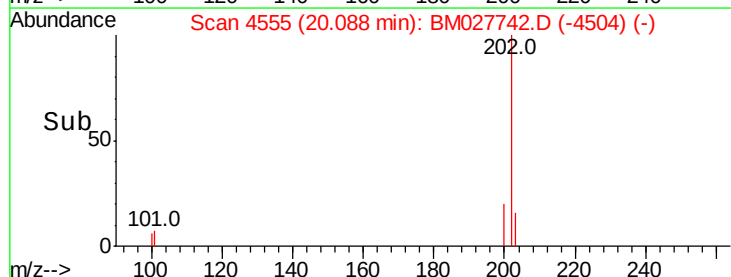
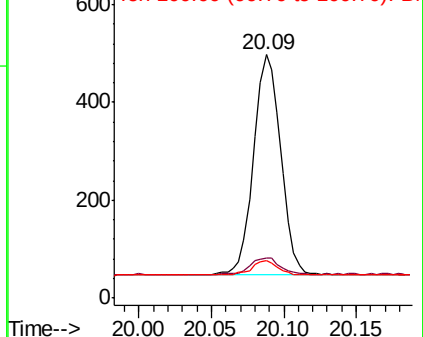
100 15.5 6.6 9.8#

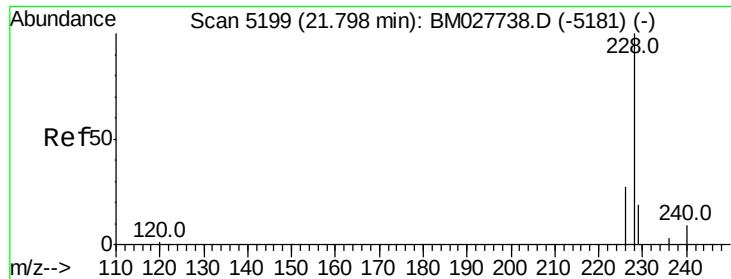


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

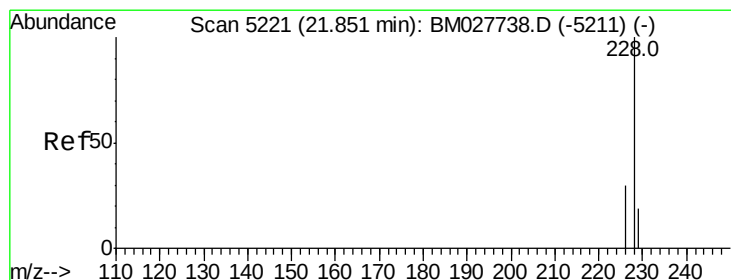
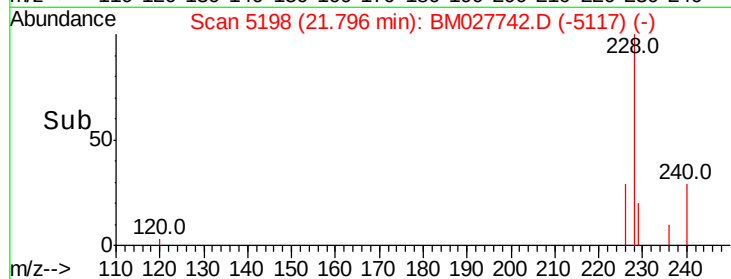
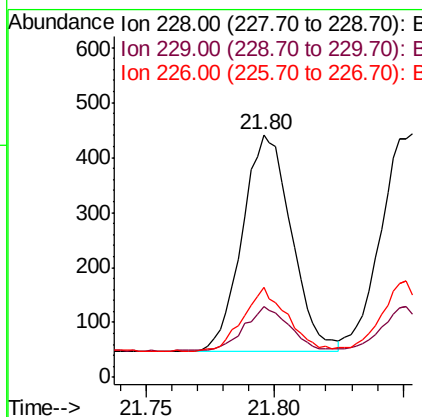
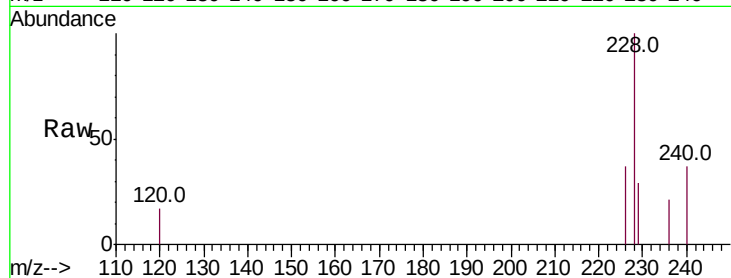




#21
Benzo(a)anthracene
Concen: 0.083 ng/ul
RT: 21.80 min Scan# 5198
Delta R.T. -0.00 min
Lab File: BM027742.D
Acq: 07 Nov 2020 03:23

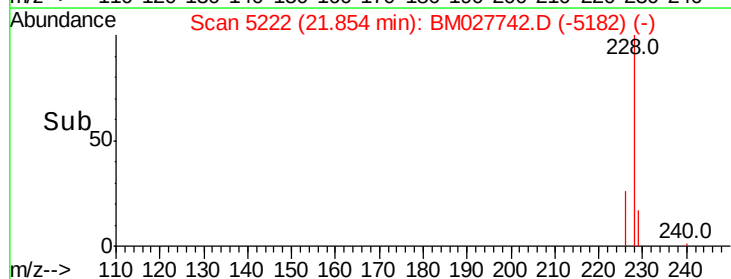
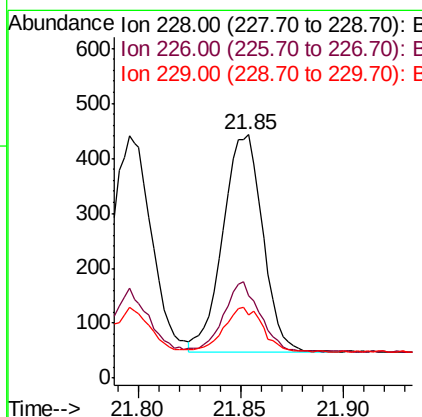
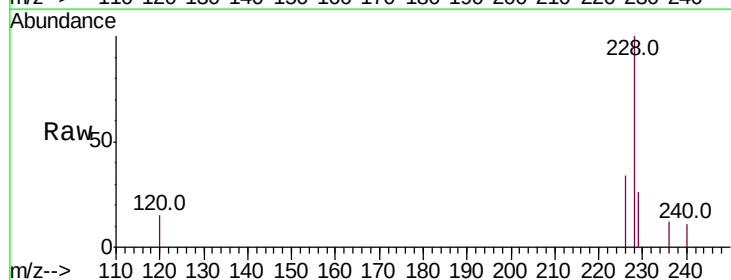
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-07

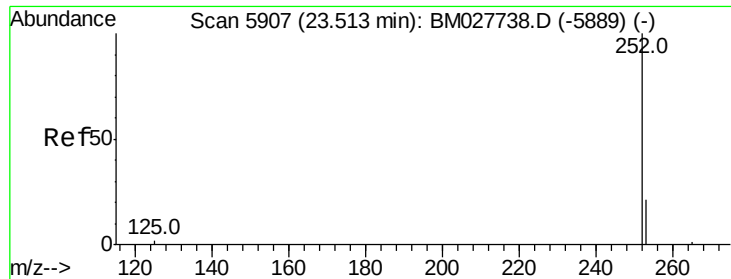
Tot Ion:228 Resp: 520
Ion Ratio Lower Upper
228 100
229 29.0 17.0 25.4#
226 37.0 22.0 33.0#



#22
Chrysene
Concen: 0.083 ng/ul
RT: 21.85 min Scan# 5222
Delta R.T. -0.00 min
Lab File: BM027742.D
Acq: 07 Nov 2020 03:23

Tgt Ion:228 Resp: 532
Ion Ratio Lower Upper
228 100
226 33.6 24.0 36.0
229 26.0 16.9 25.3#





#24

Benzo(b)fluoranthene

Concen: 0.082 ng/ul

RT: 23.51 min Scan# 5906

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

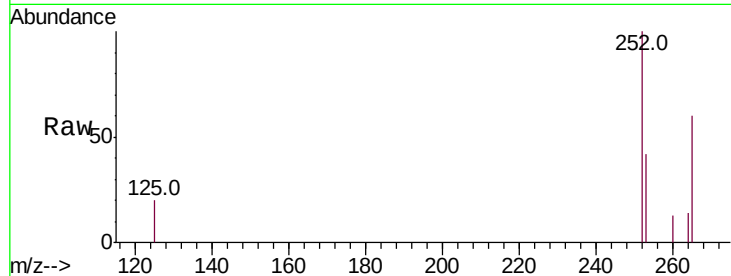
Tot Ion:252 Resp: 510

Ion Ratio Lower Upper

252 100

253 41.6 0.0 53.0

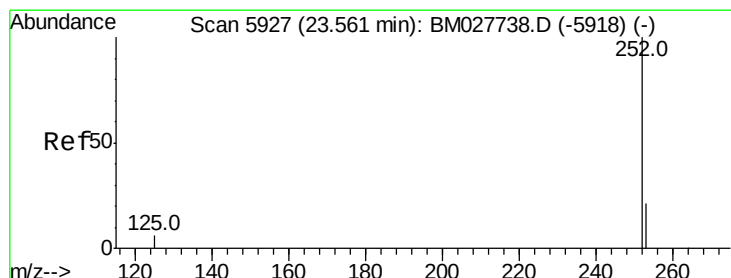
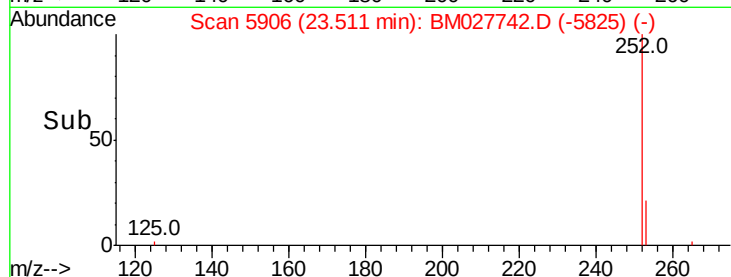
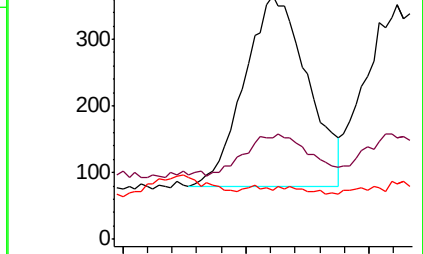
125 20.0 0.0 17.6#



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



#25

Benzo(k)fluoranthene

Concen: 0.076 ng/ul

RT: 23.56 min Scan# 5927

Delta R.T. -0.01 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

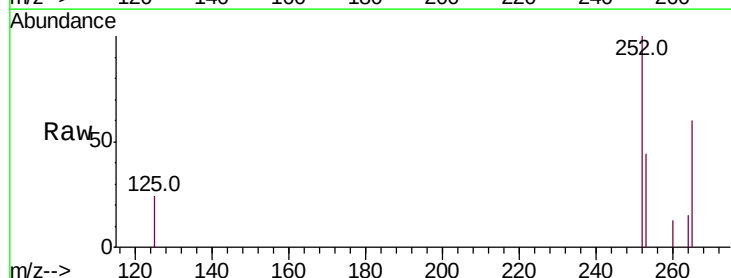
Tgt Ion:252 Resp: 470

Ion Ratio Lower Upper

252 100

253 43.6 21.4 32.2#

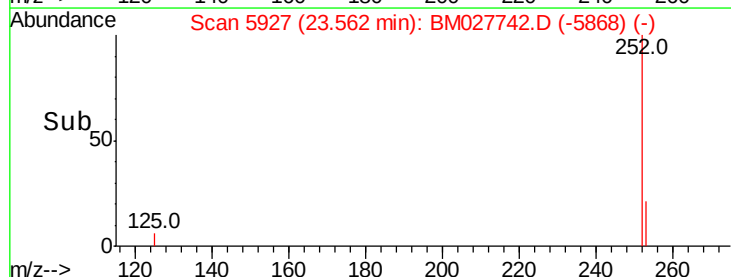
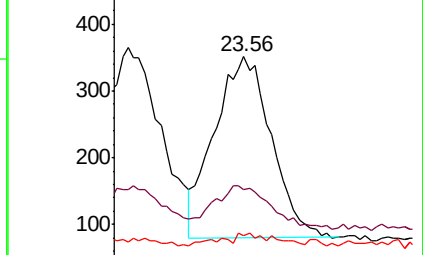
125 23.6 7.4 11.0#

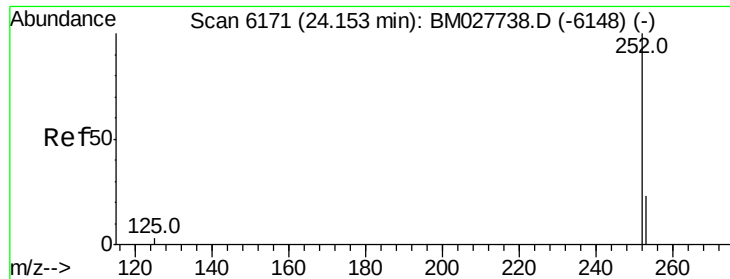


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.079 ng/ul

RT: 24.15 min Scan# 6170

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

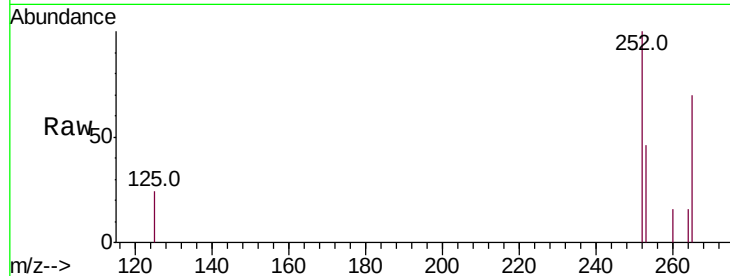
Tot Ion:252 Resp: 441

Ion Ratio Lower Upper

252 100

253 45.8 22.3 33.5#

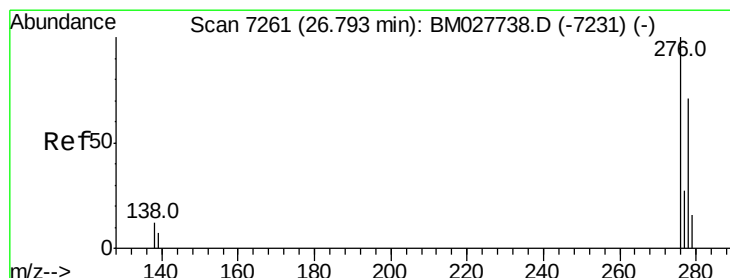
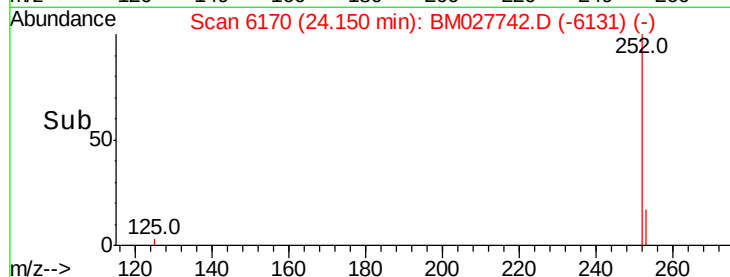
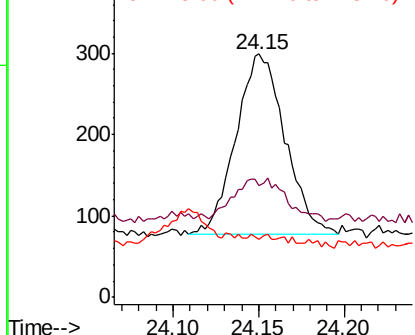
125 24.1 8.8 13.2#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.076 ng/ul

RT: 26.79 min Scan# 7261

Delta R.T. -0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

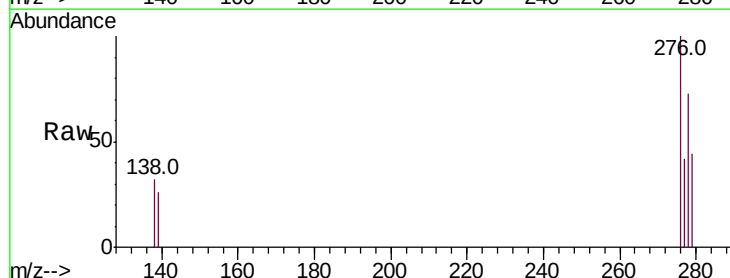
Tgt Ion:276 Resp: 503

Ion Ratio Lower Upper

276 100

138 2.4 11.0 16.6#

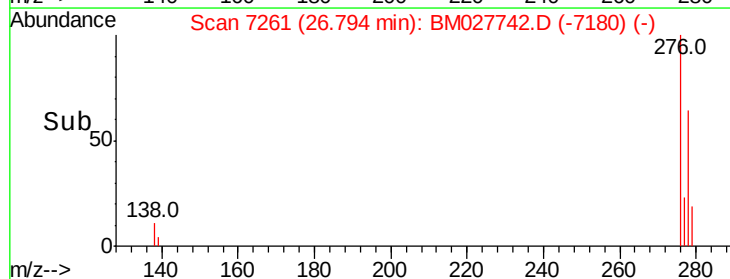
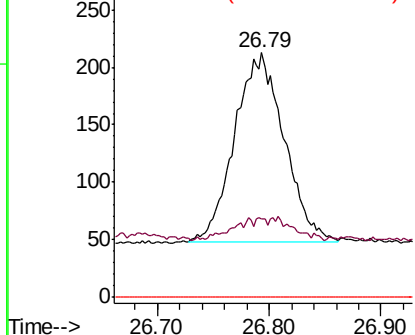
227 0.0 0.0 0.0

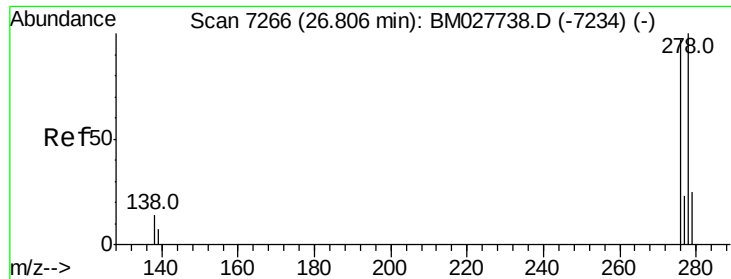


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.074 ng/ul

RT: 26.81 min Scan# 7268

Delta R.T. 0.00 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-07

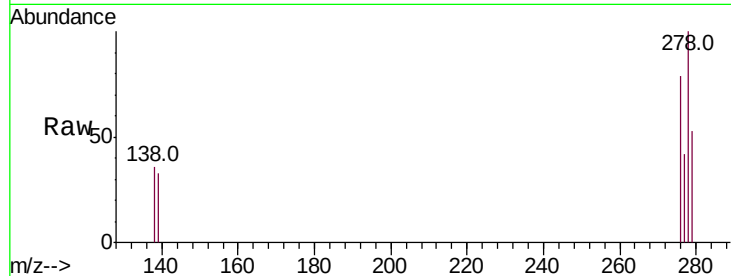
Tot Ion:278 Resp: 405

Ion Ratio Lower Upper

278 100

139 33.3 12.6 18.8#

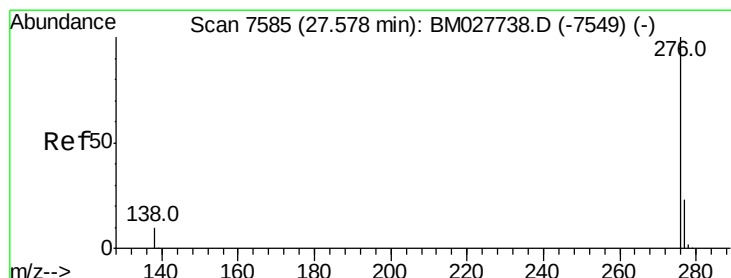
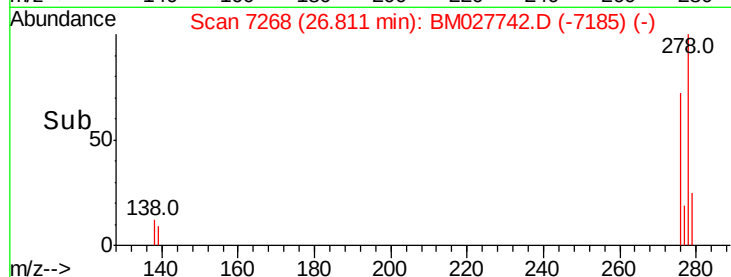
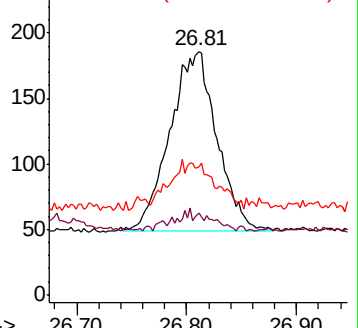
279 52.7 24.3 36.5#



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



#29

Benzo(g,h,i)perylene

Concen: 0.075 ng/ul

RT: 27.57 min Scan# 7581

Delta R.T. -0.01 min

Lab File: BM027742.D

Acq: 07 Nov 2020 03:23

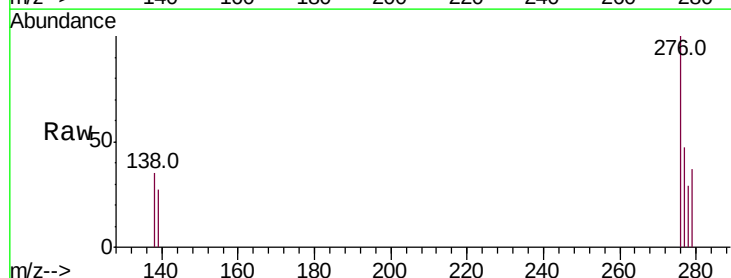
Tgt Ion:276 Resp: 414

Ion Ratio Lower Upper

276 100

138 34.6 15.0 22.4#

277 46.7 24.2 36.2#



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

