

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027714.D
 Acq On : 05 Nov 2020 12:24
 Operator : JU/CG
 Sample : L4485-01
 Misc : SFAM-SIM-MDL-S-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-01

Quant Time: Nov 05 13:49:00 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 : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

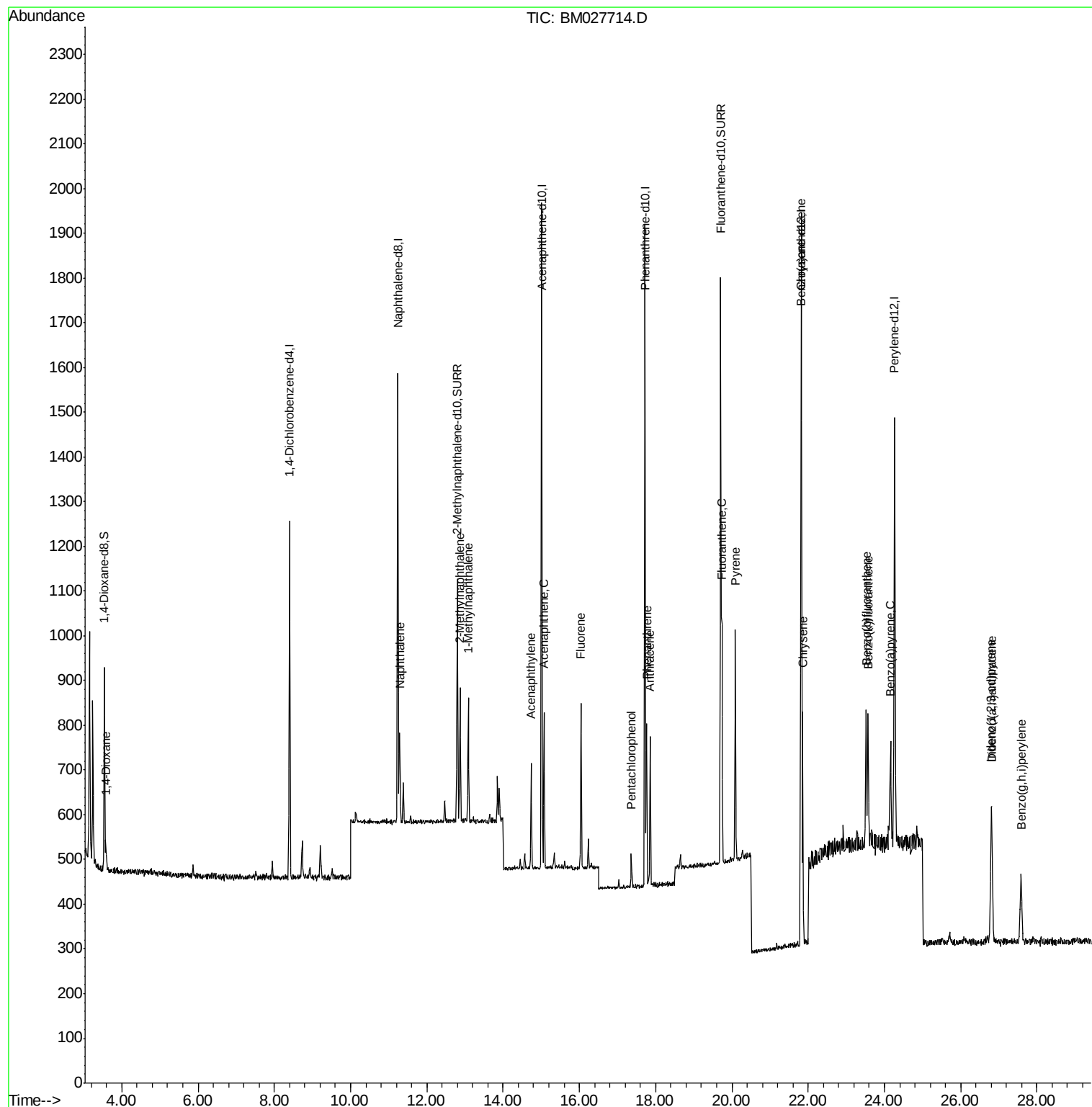
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	382	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1300	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	822	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	1840	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1558	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1347	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	248	0.63	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.80	152	636	0.29	ng/ul	0.00
17) Fluoranthene-d10	19.71	212	1467	0.30	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	47	0.111	ng/ul#	88
5) Naphthalene	11.29	128	280	0.076	ng/ul#	64
7) 2-Methylnaphthalene	12.87	142	190	0.075	ng/ul	99
8) 1-Methylnaphthalene	13.09	142	166	0.069	ng/ul	97
10) Acenaphthylene	14.73	152	250	0.068	ng/ul#	63
11) Acenaphthene	15.07	153	195	0.070	ng/ul#	90
12) Fluorene	16.04	166	233	0.071	ng/ul#	91
14) Pentachlorophenol	17.37	266	53	0.087	ng/ul	96
15) Phenanthrene	17.76	178	371	0.069	ng/ul#	77
16) Anthracene	17.85	178	359	0.068	ng/ul#	77
18) Fluoranthene	19.74	202	461	0.074	ng/ul#	72
20) Pyrene	20.09	202	456	0.075	ng/ul#	74
21) Benzo(a)anthracene	21.80	228	434	0.076	ng/ul#	84
22) Chrysene	21.86	228	456	0.078	ng/ul#	88
24) Benzo(b)fluoranthene	23.52	252	425	0.078	ng/ul#	65
25) Benzo(k)fluoranthene	23.57	252	412	0.076	ng/ul#	60
26) Benzo(a)pyrene	24.16	252	381	0.078	ng/ul#	50
27) Indeno(1,2,3-cd)pyrene	26.80	276	421	0.073	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.81	278	345	0.072	ng/ul#	53
29) Benzo(g,h,i)perylene	27.58	276	339	0.070	ng/ul#	61

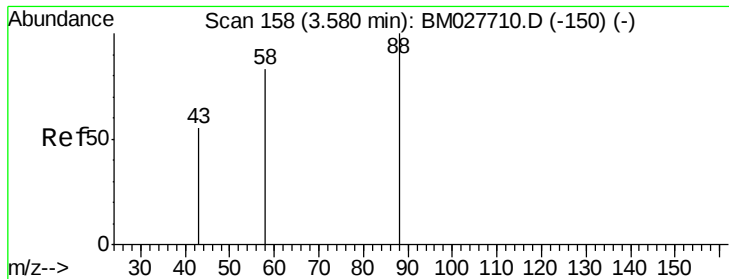
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 05 04:58:48 2020
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#2

1,4-Dioxane

Concen: 0.111 ng/ul

RT: 3.58 min Scan# 157

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

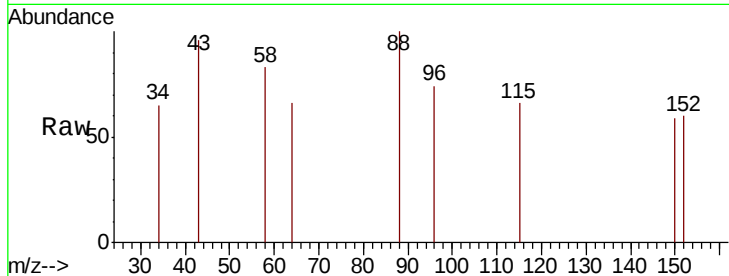
Tot Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 96.3 61.8 92.6#

58 82.5 67.8 101.8

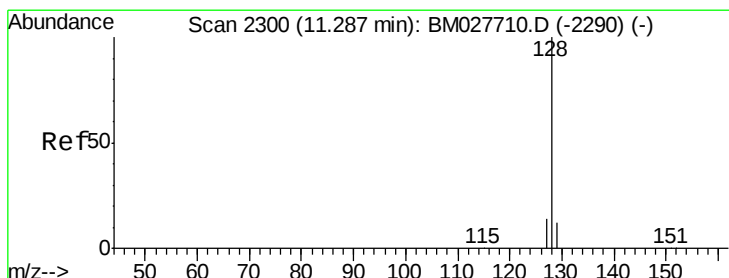
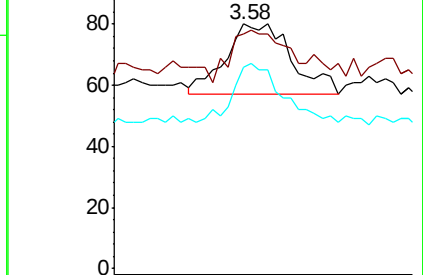
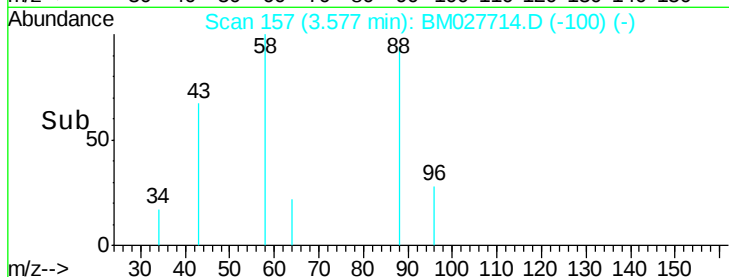


Abundance Ion 88.00 (87.70 to 88.70): BM027710.D (-150) (-)

Ion 43.00 (42.70 to 43.70): BM027710.D (-150) (-)

Ion 58.00 (57.70 to 58.70): BM027710.D (-150) (-)

Time-->



#5

Naphthalene

Concen: 0.076 ng/ul

RT: 11.29 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

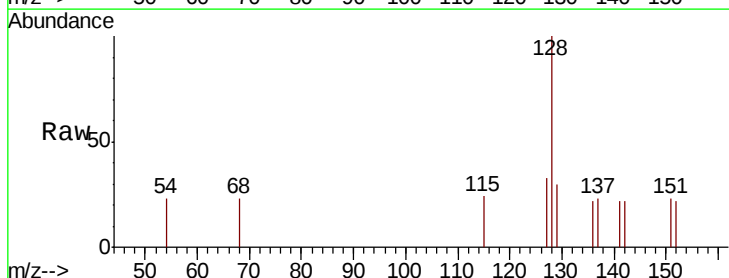
Tgt Ion: 128 Resp: 280

Ion Ratio Lower Upper

128 100

129 30.3 11.7 17.5#

127 32.7 14.0 21.0#

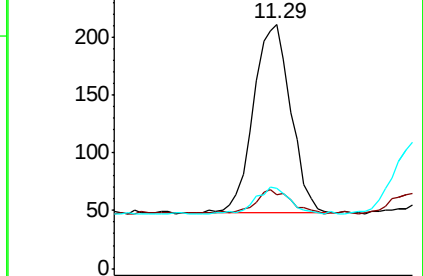
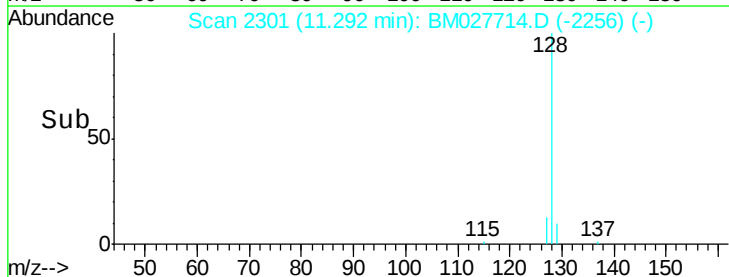


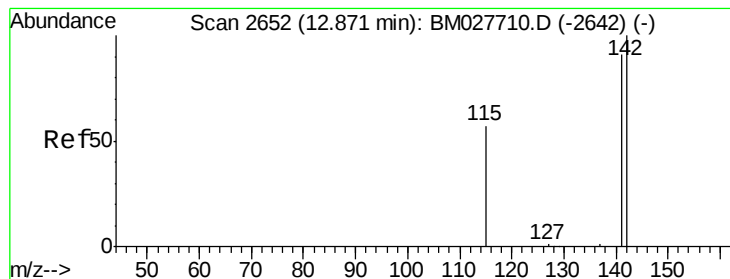
Abundance Ion 128.00 (127.70 to 128.70): BM027710.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BM027710.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BM027710.D (-2290) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.075 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. 0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

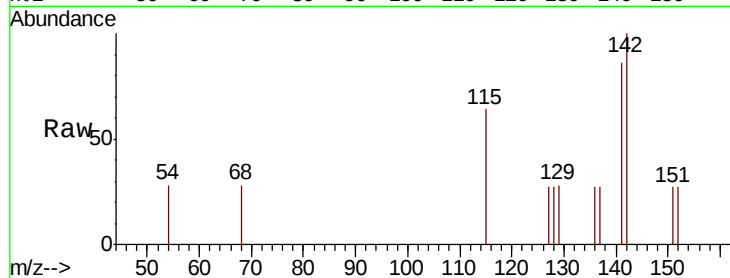
MDL-SOIL-01

Tot Ion:142 Resp: 190

Ion Ratio Lower Upper

142 100

141 88.4 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

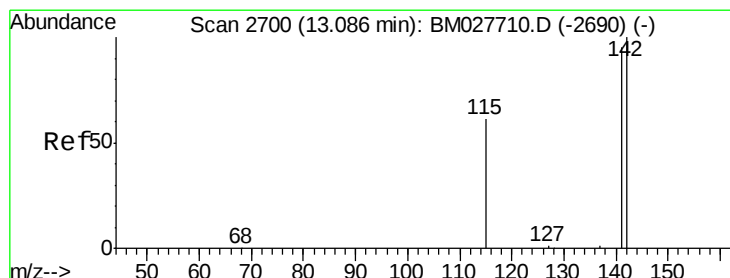
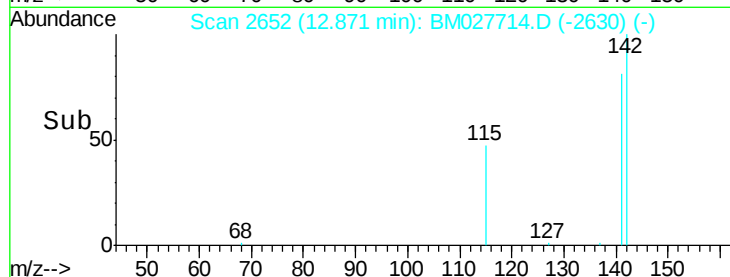
150

100

50

0

Time--> 12.80 12.85 12.90



#8

1-Methylnaphthalene

Concen: 0.069 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BM027714.D

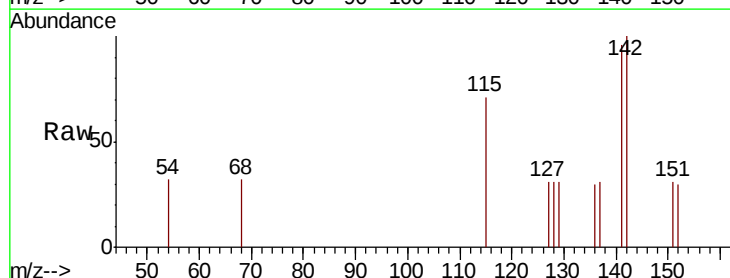
Acq: 05 Nov 2020 12:24

Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

142 100

141 95.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.09

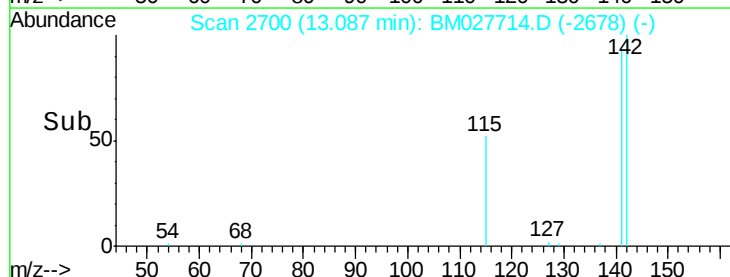
150

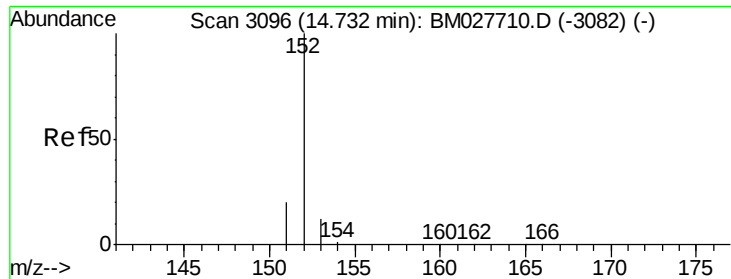
100

50

0

Time--> 13.00 13.05 13.10 13.15





#10

Acenaphthylene

Concen: 0.068 ng/ul

RT: 14.73 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

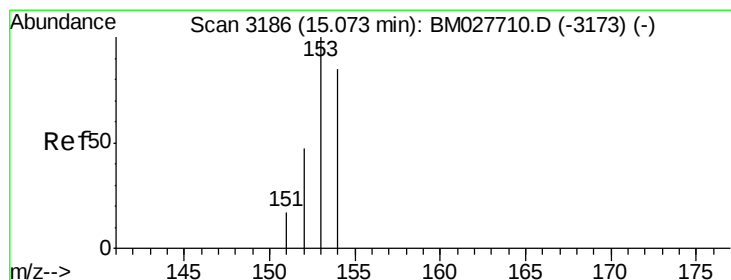
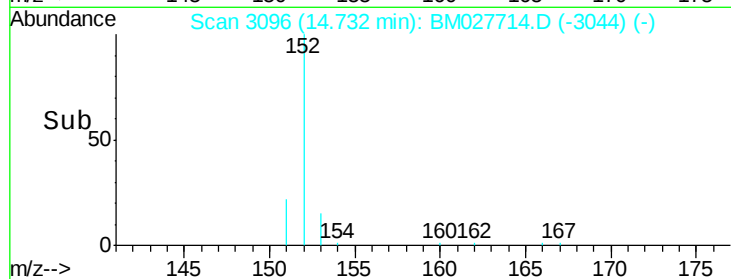
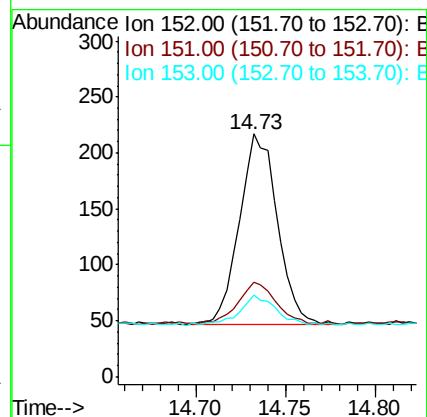
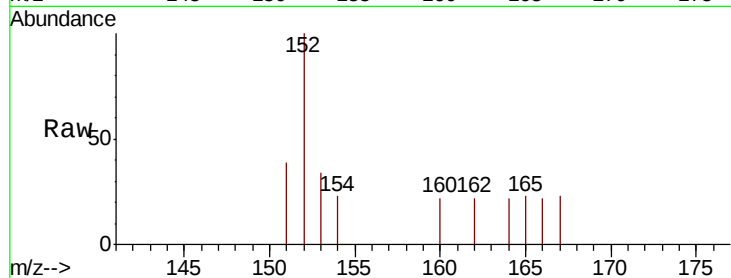
Tot Ion:152 Resp: 250

Ion Ratio Lower Upper

152 100

151 39.2 17.8 26.8#

153 33.6 13.5 20.3#



#11

Acenaphthene

Concen: 0.070 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

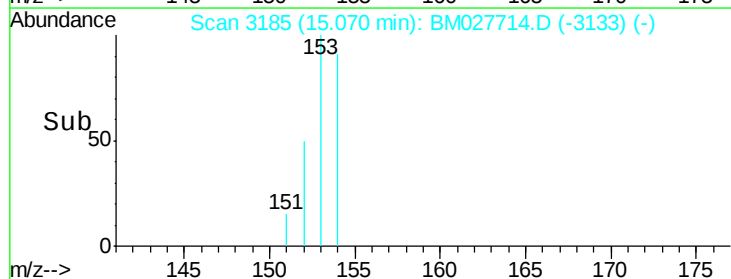
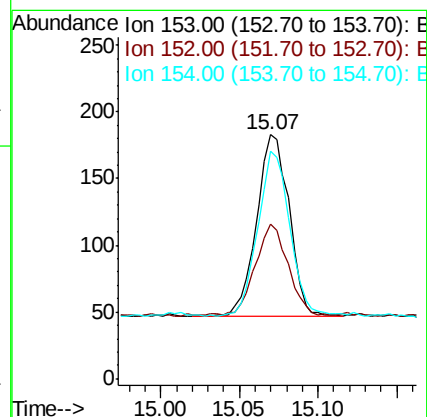
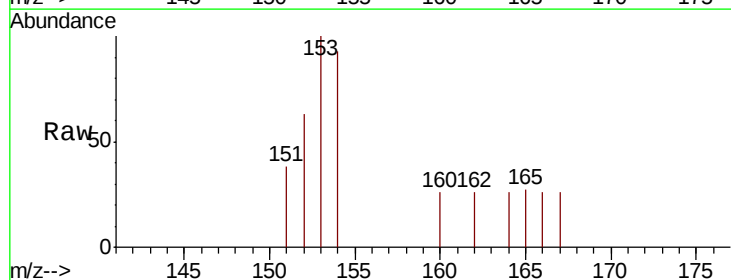
Tgt Ion:153 Resp: 195

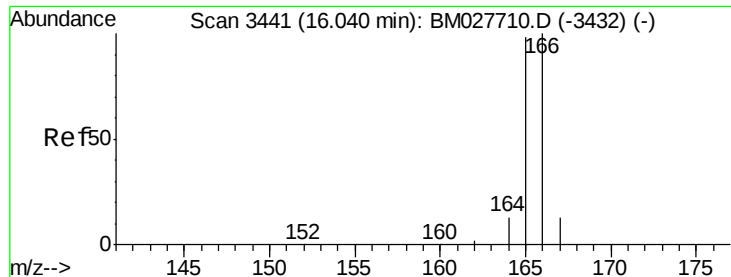
Ion Ratio Lower Upper

153 100

152 63.4 40.6 60.8#

154 93.4 71.0 106.4





#12

Fluorene

Concen: 0.071 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

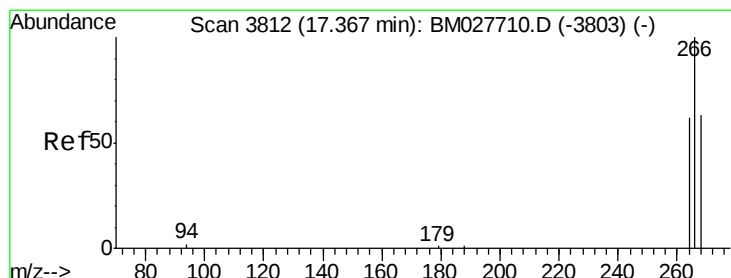
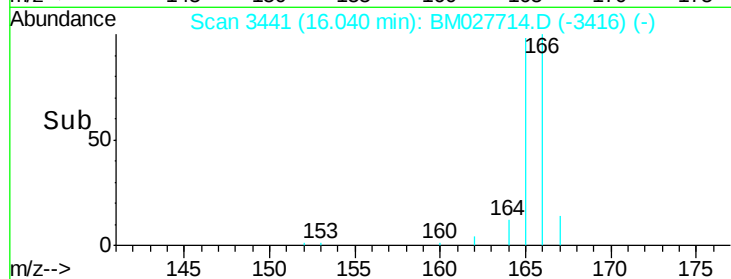
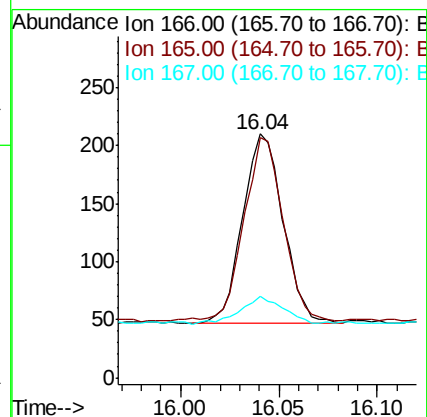
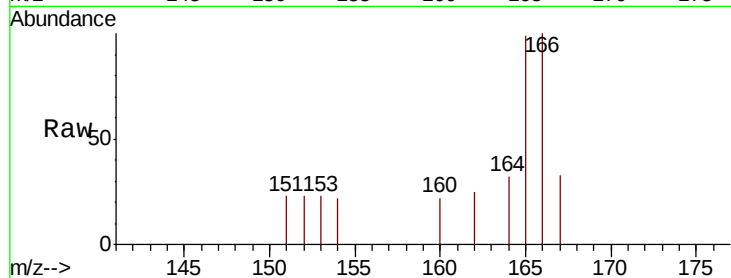
Tot Ion:166 Resp: 233

Ion Ratio Lower Upper

166 100

165 98.6 76.2 114.4

167 33.3 13.7 20.5#



#14

Pentachlorophenol

Concen: 0.087 ng/ul

RT: 17.37 min Scan# 3812

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

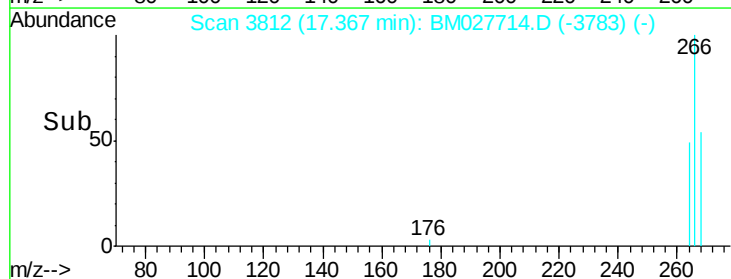
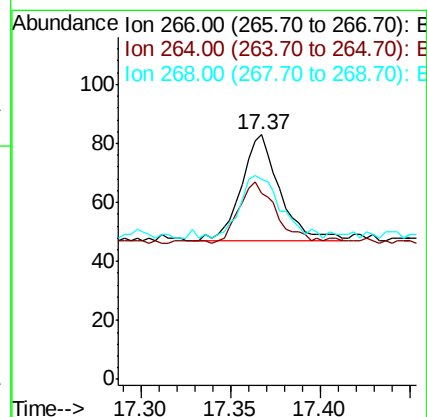
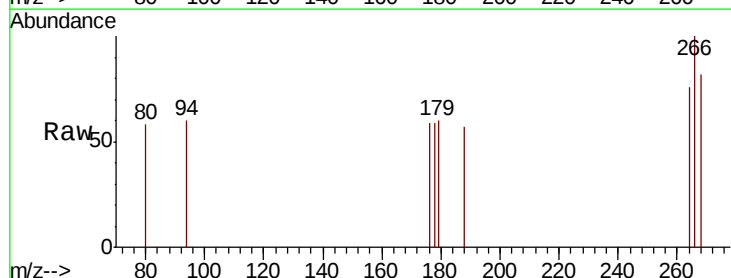
Tgt Ion:266 Resp: 53

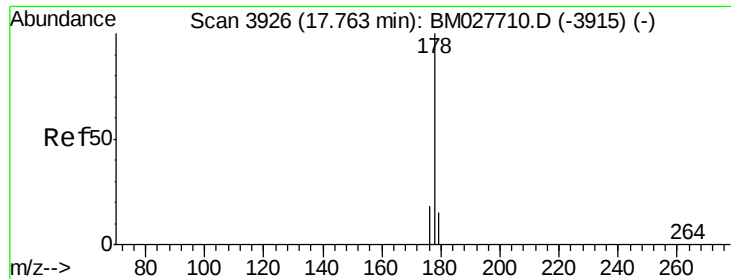
Ion Ratio Lower Upper

266 100

264 58.5 48.2 72.4

268 62.3 53.4 80.0





#15

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

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ClientSampleId :

MDL-SOIL-01

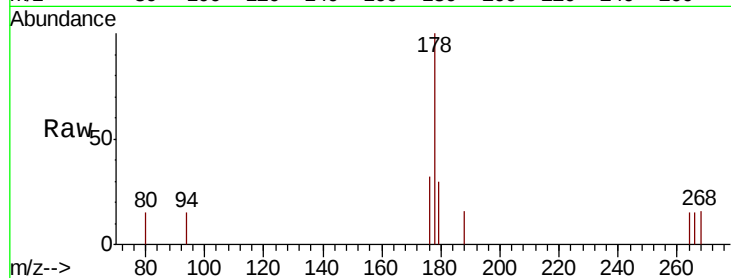
Tot Ion:178 Resp: 371

Ion Ratio Lower Upper

178 100

179 30.4 14.6 22.0#

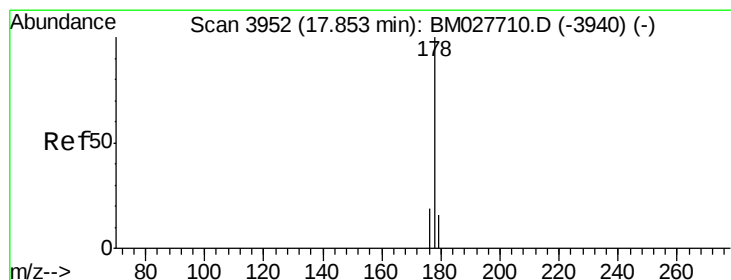
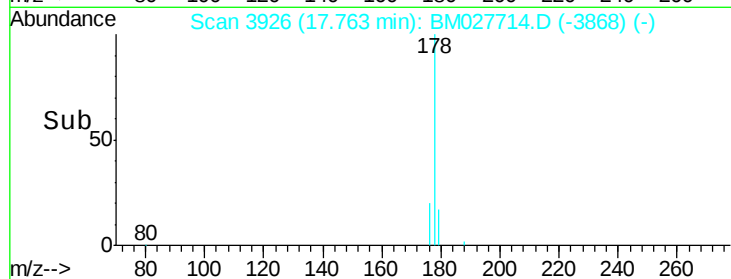
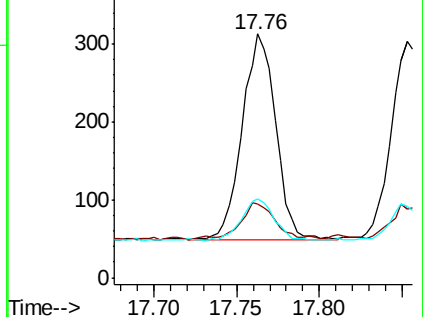
176 32.3 18.2 27.2#



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



#16

Anthracene

Concen: 0.068 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

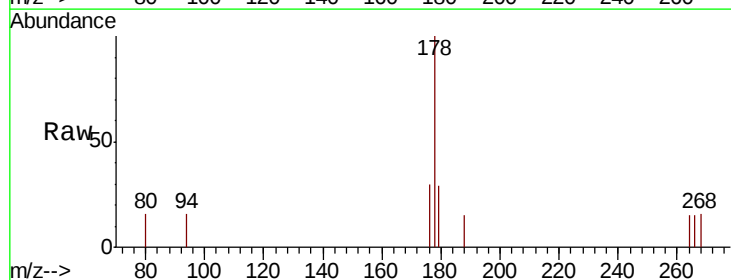
Tgt Ion:178 Resp: 359

Ion Ratio Lower Upper

178 100

179 28.9 14.1 21.1#

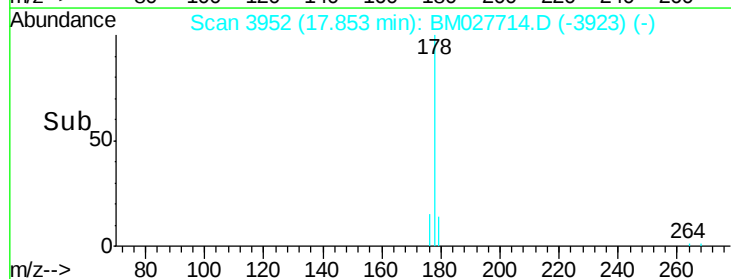
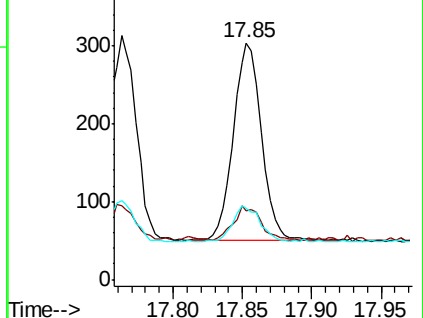
176 30.3 16.3 24.5#

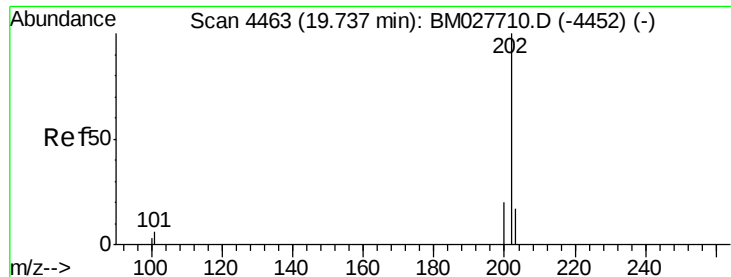


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.074 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. -0.00 min

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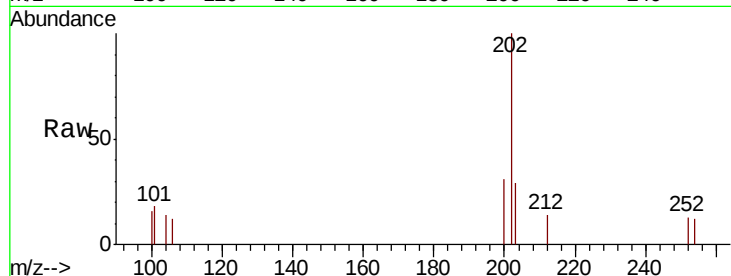
Tot Ion:202 Resp: 461

Ion Ratio Lower Upper

202 100

101 17.9 6.1 9.1#

100 16.4 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

19.74

400

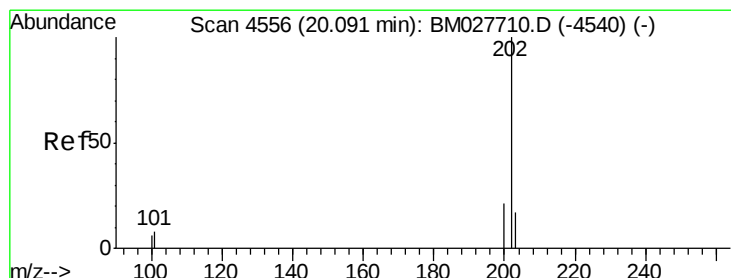
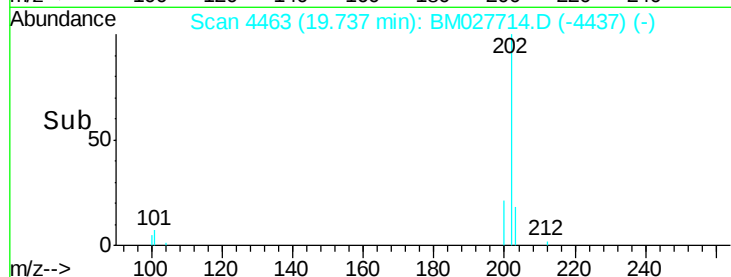
300

200

100

0

Time-->



#20

Pyrene

Concen: 0.075 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

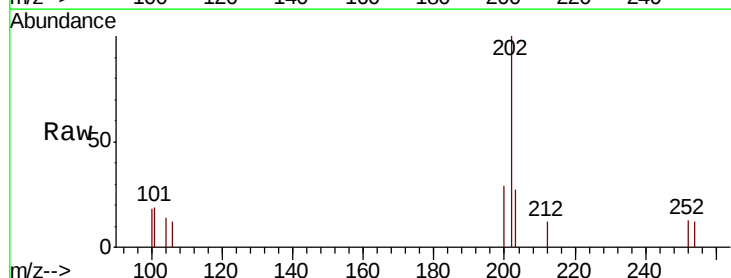
Tgt Ion:202 Resp: 456

Ion Ratio Lower Upper

202 100

101 18.8 7.4 11.0#

100 17.5 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

20.09

400

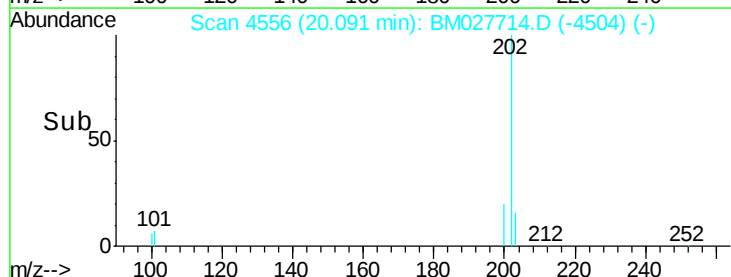
300

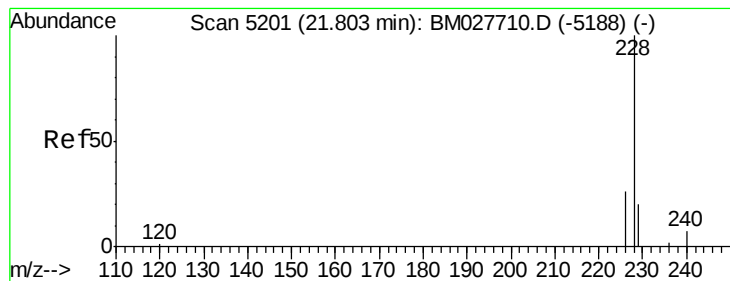
200

100

0

Time-->





#21

Benzo(a)anthracene

Concen: 0.076 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. 0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

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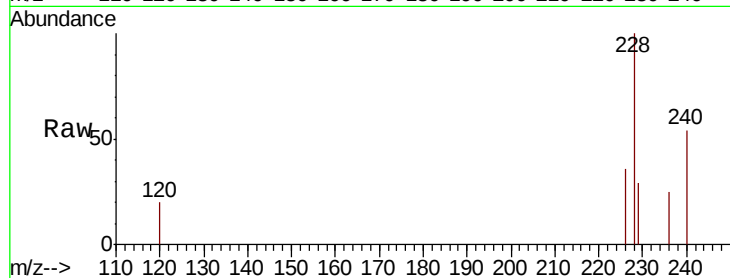
Tot Ion:228 Resp: 434

Ion Ratio Lower Upper

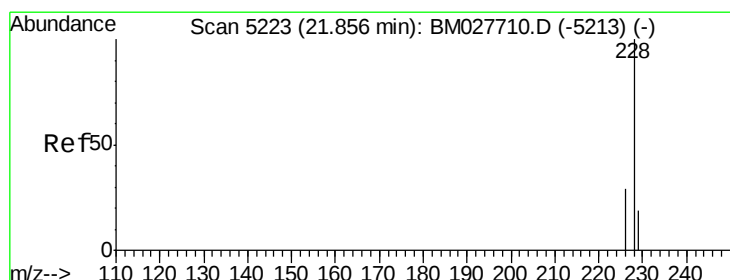
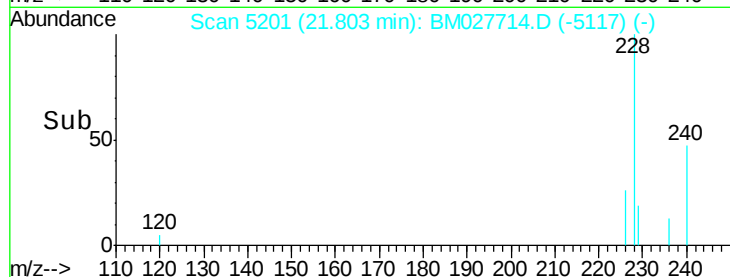
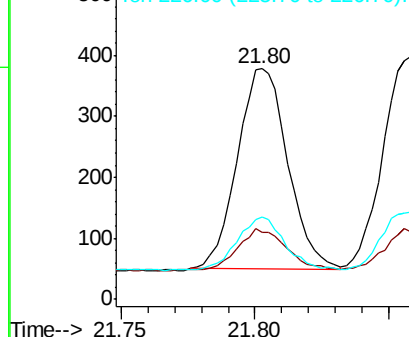
228 100

229 28.8 17.0 25.4#

226 36.0 22.0 33.0#



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



#22

Chrysene

Concen: 0.078 ng/ul

RT: 21.86 min Scan# 5224

Delta R.T. 0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

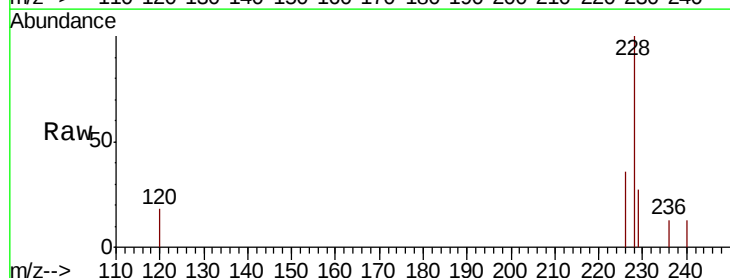
Tgt Ion:228 Resp: 456

Ion Ratio Lower Upper

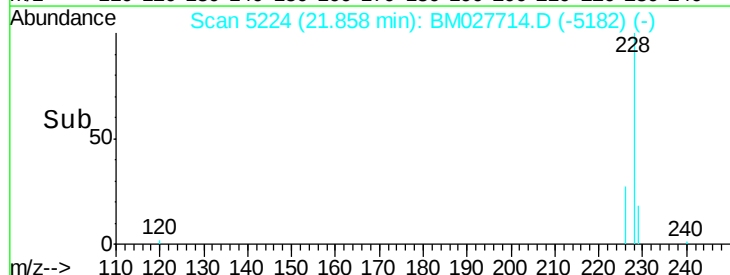
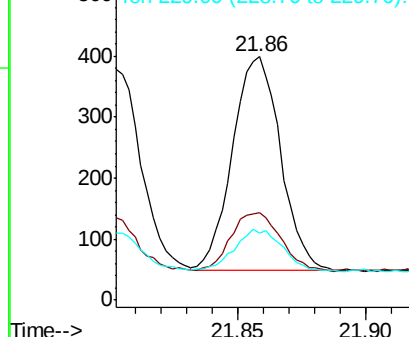
228 100

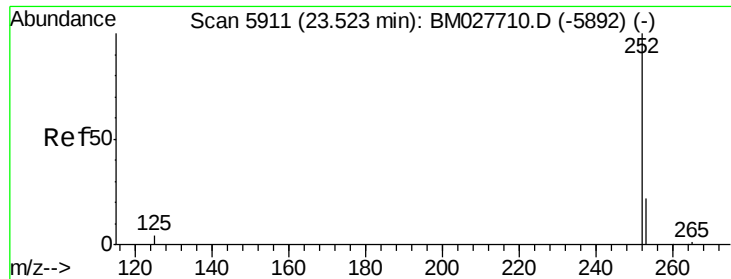
226 36.1 24.0 36.0#

229 27.3 16.9 25.3#



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





#24

Benzo(b)fluoranthene

Concen: 0.078 ng/ul

RT: 23.52 min Scan# 5908

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

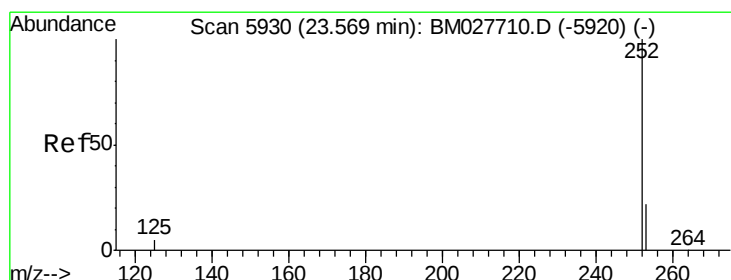
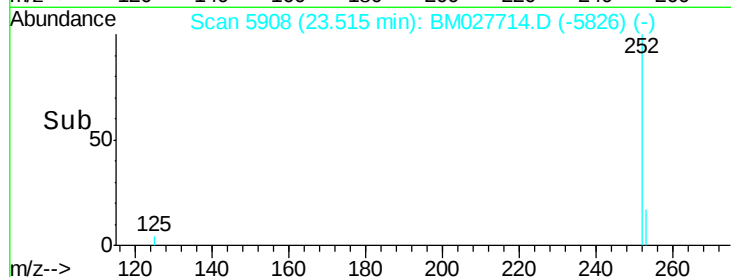
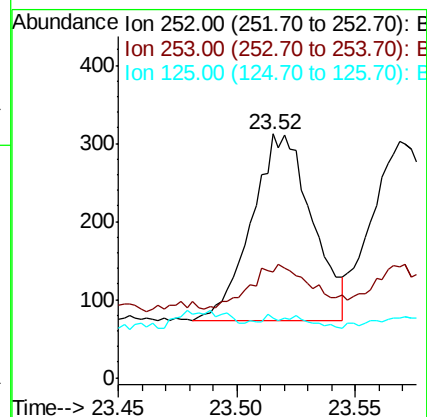
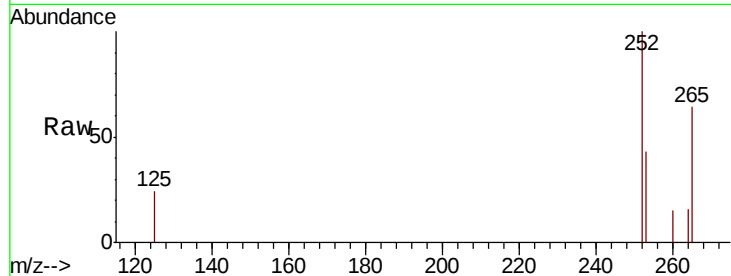
Tot Ion:252 Resp: 425

Ion Ratio Lower Upper

252 100

253 43.3 0.0 53.0

125 24.4 0.0 17.6#



#25

Benzo(k)fluoranthene

Concen: 0.076 ng/ul

RT: 23.57 min Scan# 5930

Delta R.T. 0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

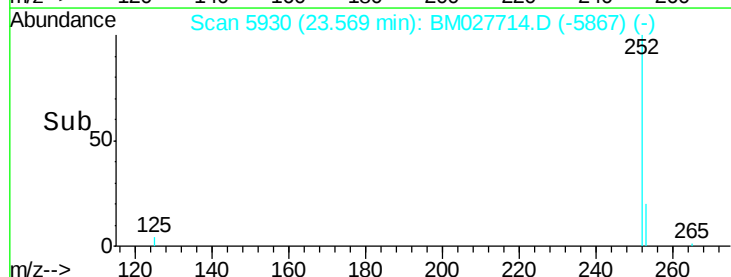
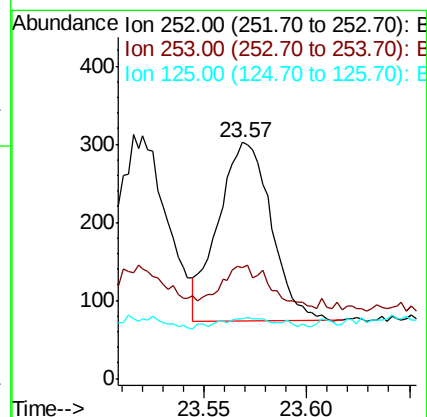
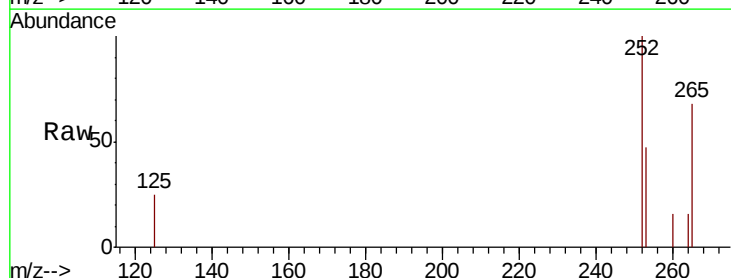
Tgt Ion:252 Resp: 412

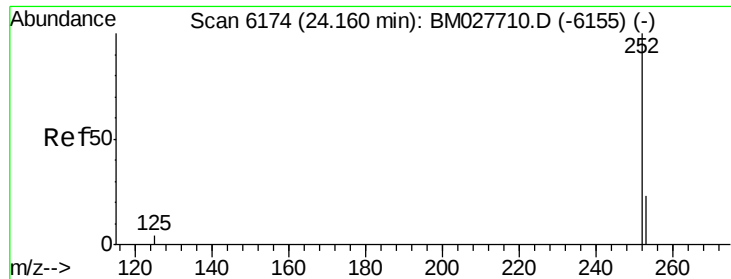
Ion Ratio Lower Upper

252 100

253 47.0 21.4 32.2#

125 25.2 7.4 11.0#





#26

Benzo(a)pyrene

Concen: 0.078 ng/ul

RT: 24.16 min Scan# 6174

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

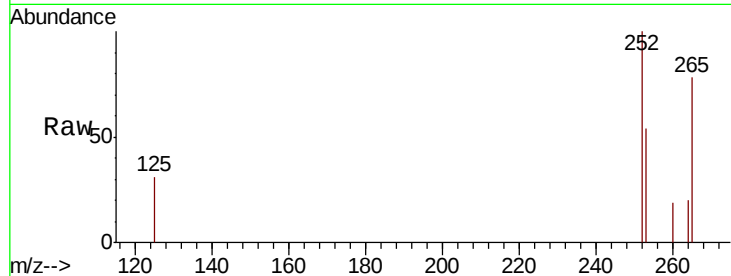
Tot Ion:252 Resp: 381

Ion Ratio Lower Upper

252 100

253 53.8 22.3 33.5#

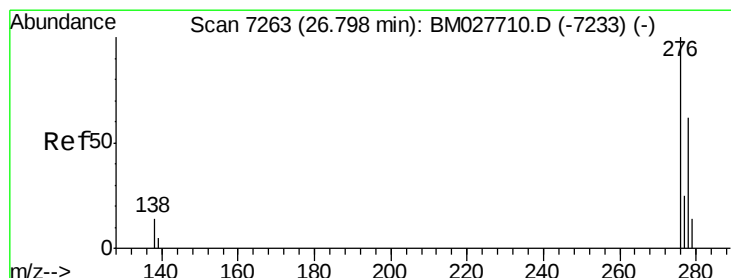
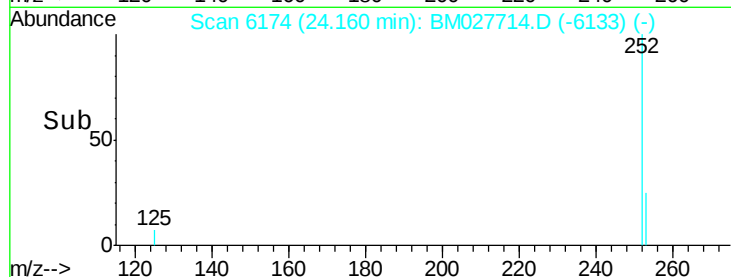
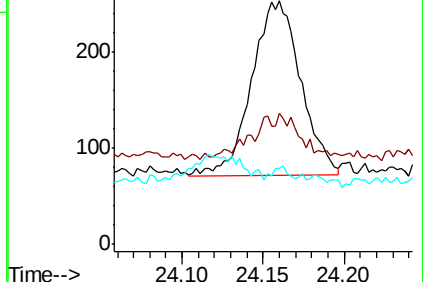
125 30.8 8.8 13.2#



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: 0.073 ng/ul

RT: 26.80 min Scan# 7263

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

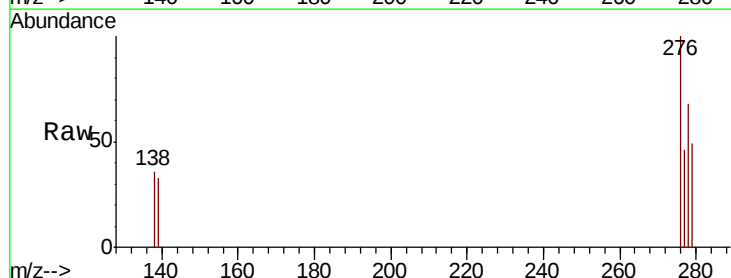
Tgt Ion:276 Resp: 421

Ion Ratio Lower Upper

276 100

138 8.3 11.0 16.6#

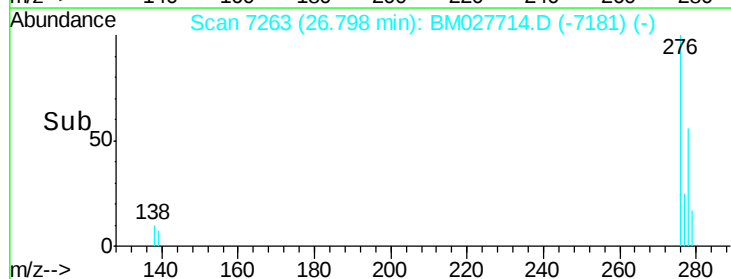
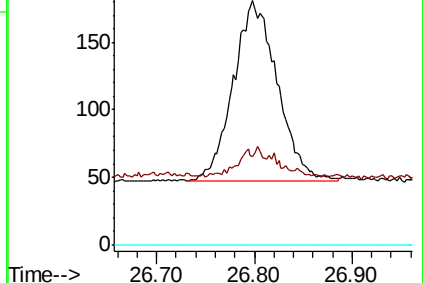
227 0.0 0.0 0.0

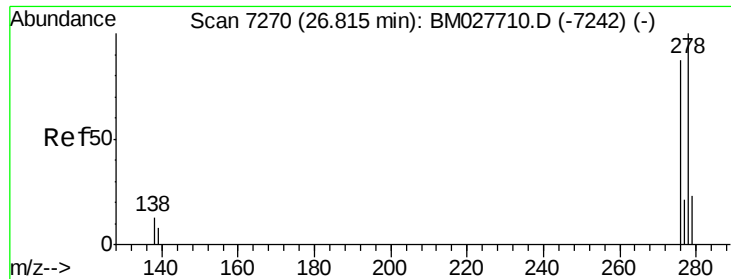


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.072 ng/u1

RT: 26.81 min Scan# 7269

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-01

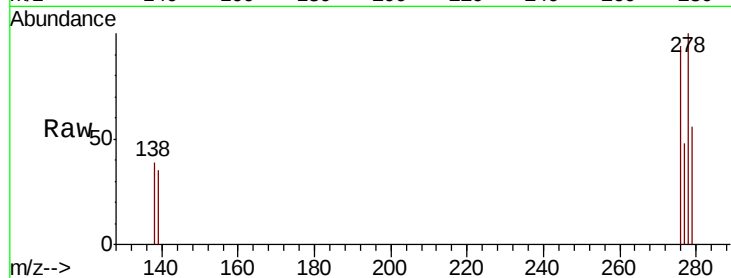
Tot Ion:278 Resp: 345

Ion Ratio Lower Upper

278 100

139 35.0 12.6 18.8#

279 56.3 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

26.81

150

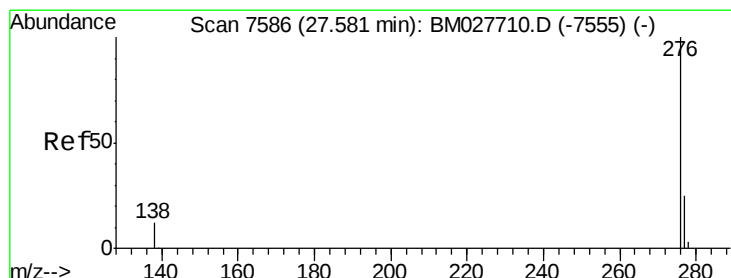
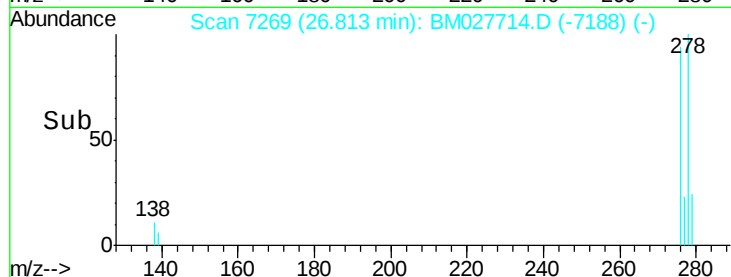
100

50

0

26.70 26.80 26.90

Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.070 ng/u1

RT: 27.58 min Scan# 7587

Delta R.T. -0.00 min

Lab File: BM027714.D

Acq: 05 Nov 2020 12:24

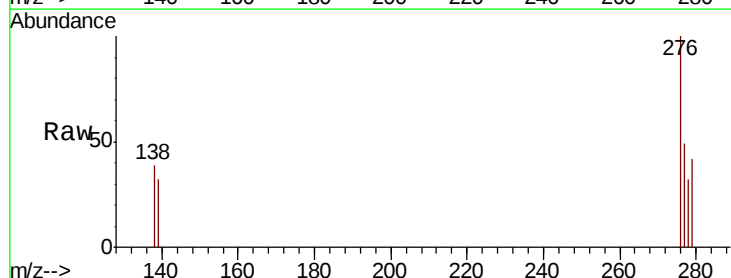
Tgt Ion:276 Resp: 339

Ion Ratio Lower Upper

276 100

138 39.2 15.0 22.4#

277 48.7 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

27.58

150

100

50

0

27.50 27.60

Time-->

