

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060520\
 Data File : BN010780.D
 Acq On : 05 Jun 2020 14:08
 Operator : CG/JU
 Sample : L1955-05
 Misc : MDL-SOIL-05
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-05

Quant Time: Jun 05 14:39:30 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

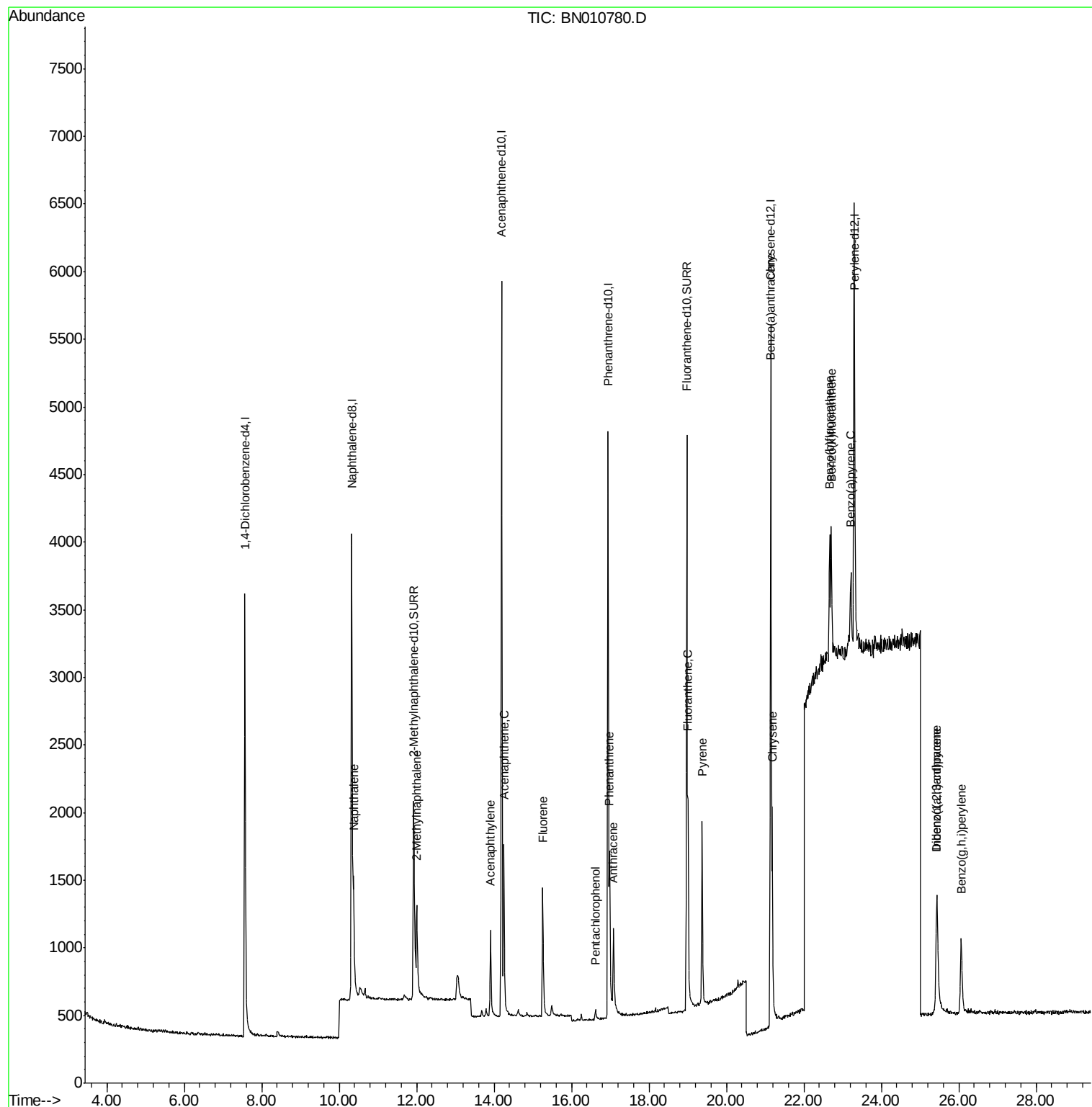
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2005	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	6519	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.19	164	3416	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6585	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5194	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	4635	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3010	0.20	ng/ul	0.01
14) Fluoranthene-d10	18.98	212	5857	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	1200	0.062	ng/ul#	84
5) 2-Methylnaphthalene	12.00	142	728	0.060	ng/ul	97
7) Acenaphthylene	13.91	152	953	0.063	ng/ul#	83
8) Acenaphthene	14.26	153	754	0.059	ng/ul	98
9) Fluorene	15.25	166	832	0.059	ng/ul#	98
11) Pentachlorophenol	16.62	266	84	0.054	ng/ul	96
12) Phenanthrene	16.98	178	1322	0.062	ng/ul#	87
13) Anthracene	17.08	178	972	0.055	ng/ul#	82
15) Fluoranthene	19.00	202	1411	0.059	ng/ul	86
17) Pyrene	19.37	202	1439	0.064	ng/ul#	89
18) Benzo(a)anthracene	21.13	228	1099	0.060	ng/ul#	90
19) Chrysene	21.18	228	1489	0.063	ng/ul	92
21) Benzo(b)fluoranthene	22.66	252	1236	0.060	ng/ul#	51
22) Benzo(k)fluoranthene	22.71	252	1439	0.066	ng/ul#	49
23) Benzo(a)pyrene	23.21	252	1035	0.059	ng/ul#	31
24) Indeno(1,2,3-cd)pyrene	25.43	276	1363	0.057	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.44	278	1127	0.058	ng/ul#	47
26) Benzo(g,h,i)perylene	26.06	276	1316	0.060	ng/ul#	81

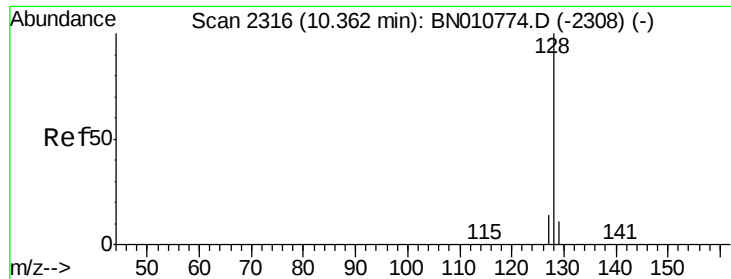
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
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#3

Naphthalene

Concen: 0.062 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

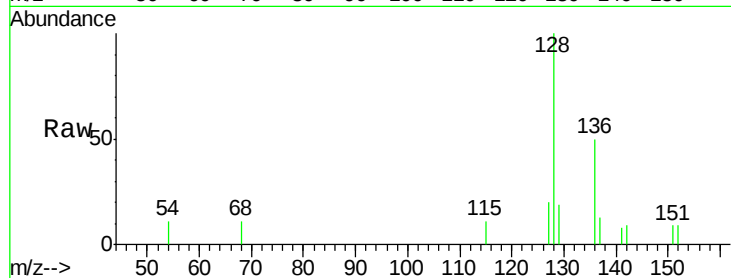
Tot Ion:128 Resp: 1200

Ion Ratio Lower Upper

128 100

129 19.4 9.9 14.9#

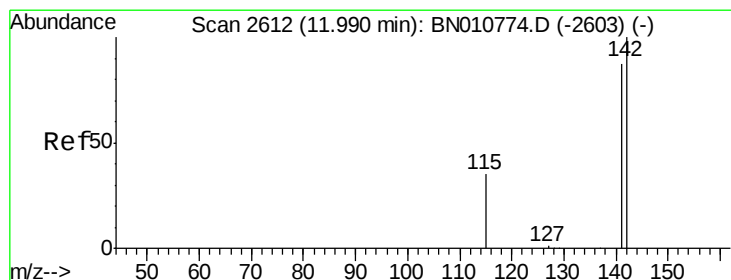
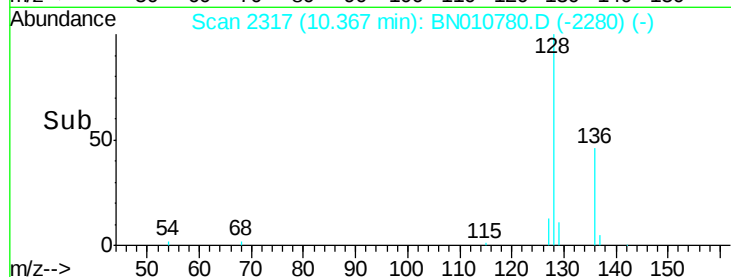
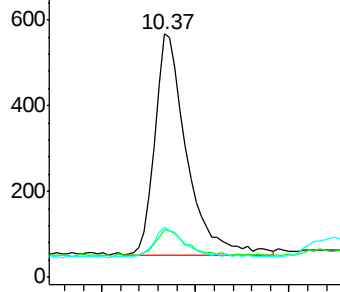
127 20.5 11.7 17.5#



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: 0.060 ng/ul

RT: 12.00 min Scan# 2614

Delta R.T. 0.01 min

Lab File: BN010780.D

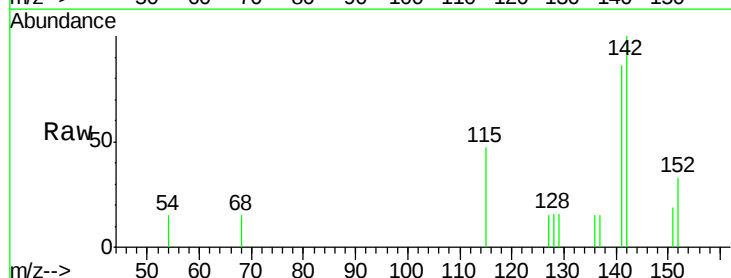
Acq: 05 Jun 2020 14:08

Tgt Ion:142 Resp: 728

Ion Ratio Lower Upper

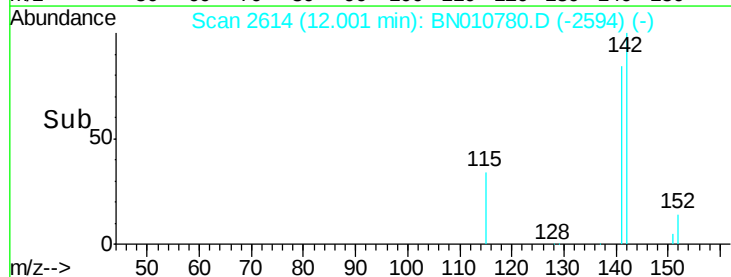
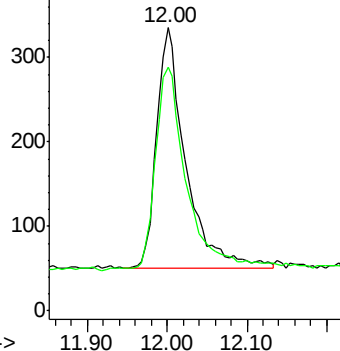
142 100

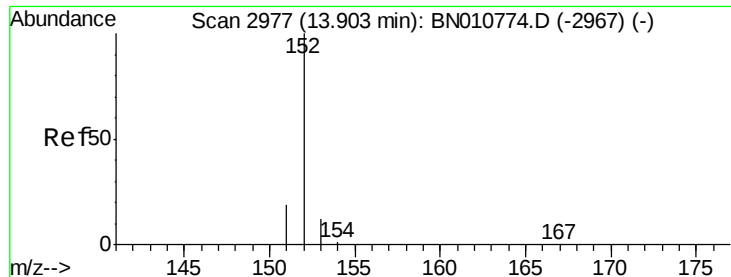
141 87.6 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.063 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

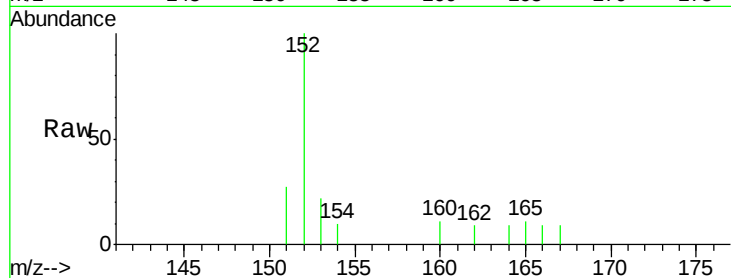
Tot Ion:152 Resp: 953

Ion Ratio Lower Upper

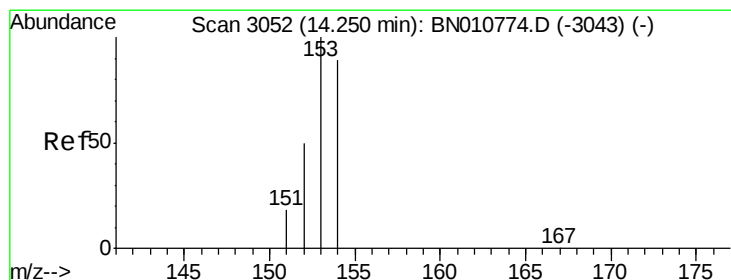
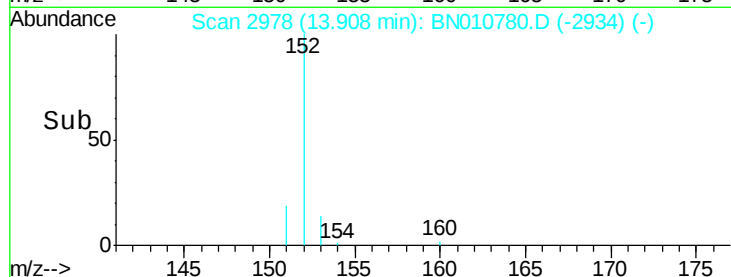
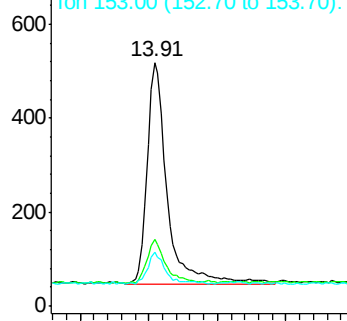
152 100

151 27.2 16.3 24.5#

153 22.2 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.059 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

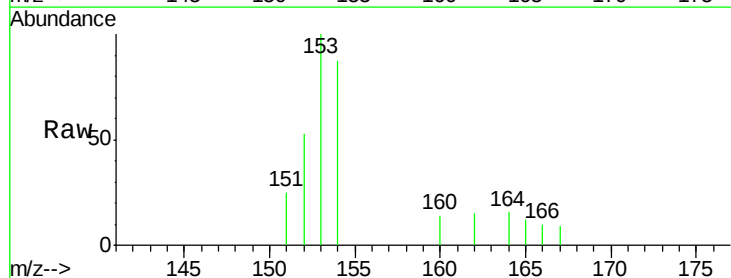
Tgt Ion:153 Resp: 754

Ion Ratio Lower Upper

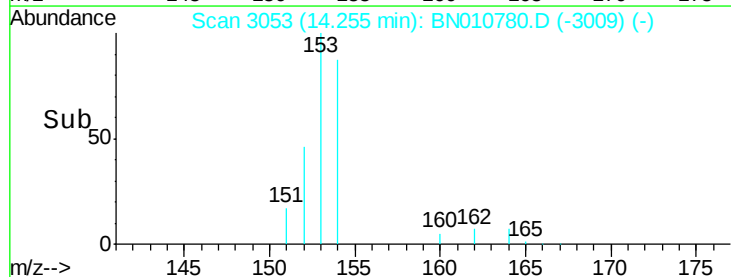
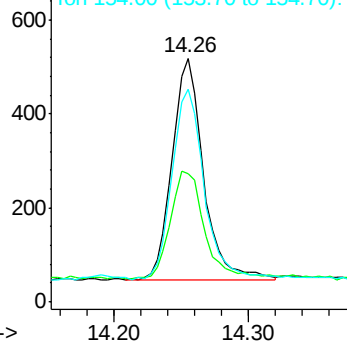
153 100

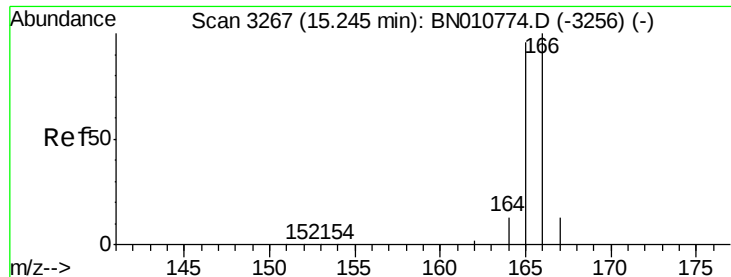
152 52.5 40.1 60.1

154 87.5 70.6 106.0



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.25 min Scan# 3269

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

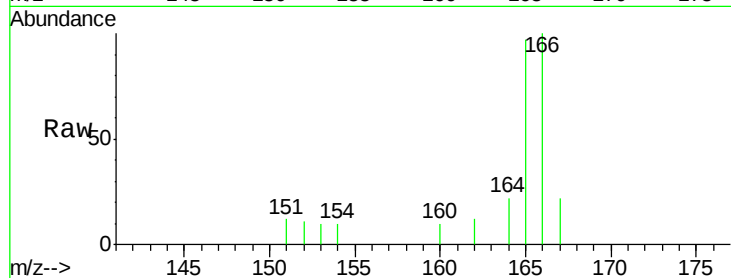
Tot Ion:166 Resp: 832

Ion Ratio Lower Upper

166 100

165 96.6 77.3 115.9

167 21.8 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

15.25

400

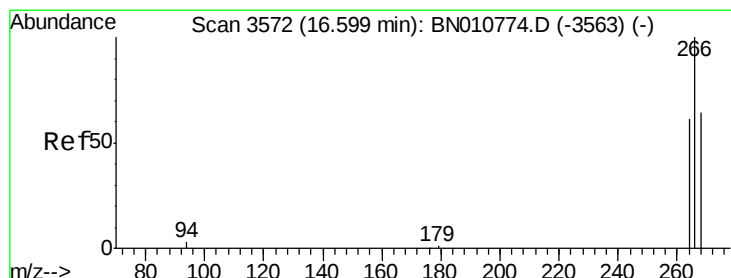
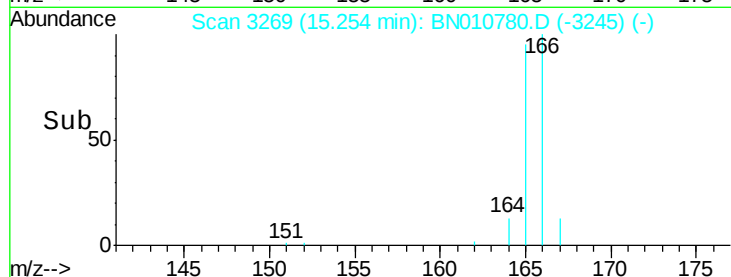
300

200

100

0

Time-->



#11

Pentachlorophenol

Concen: 0.054 ng/ul

RT: 16.62 min Scan# 3576

Delta R.T. 0.02 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

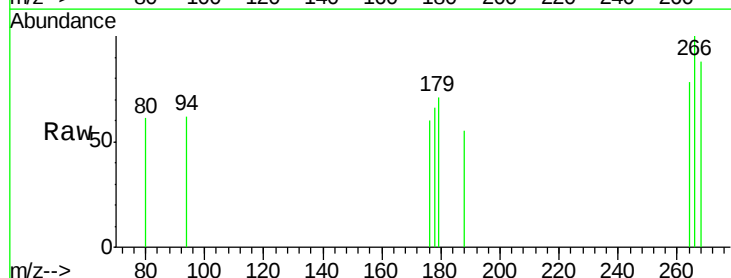
Tgt Ion:266 Resp: 84

Ion Ratio Lower Upper

266 100

264 59.5 50.3 75.5

268 65.5 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

16.62

100

80

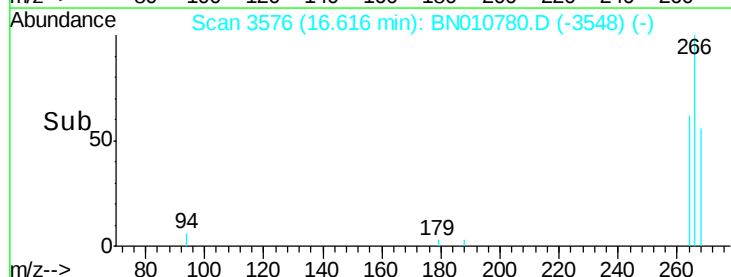
60

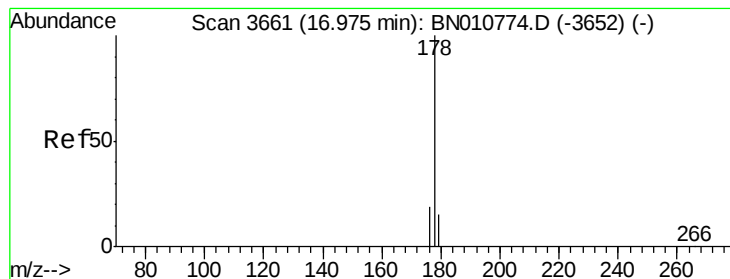
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.062 ng/ul

RT: 16.98 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

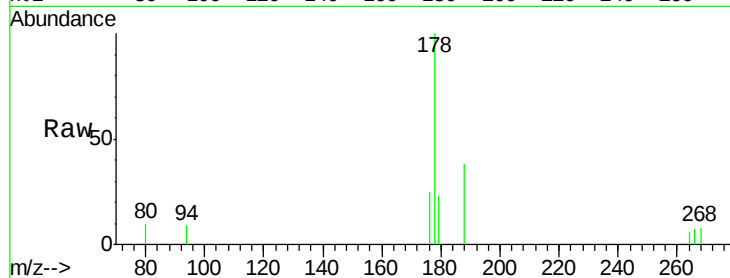
Tot Ion:178 Resp: 1322

Ion Ratio Lower Upper

178 100

179 22.7 13.0 19.6#

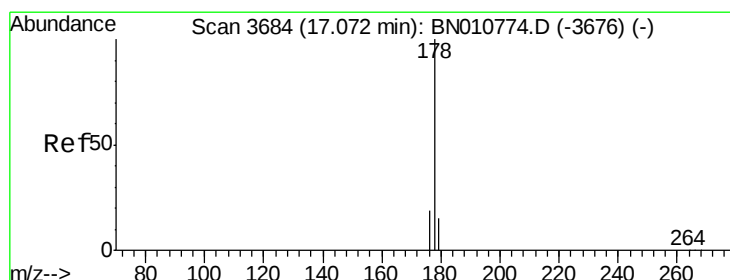
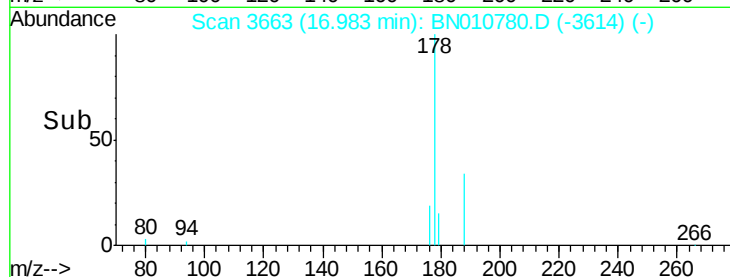
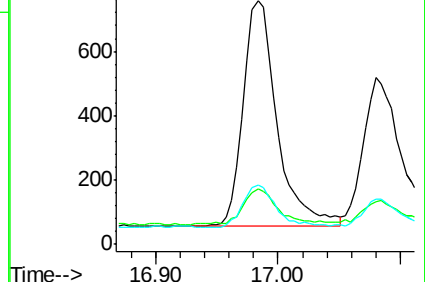
176 24.6 15.8 23.8#



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: 0.055 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

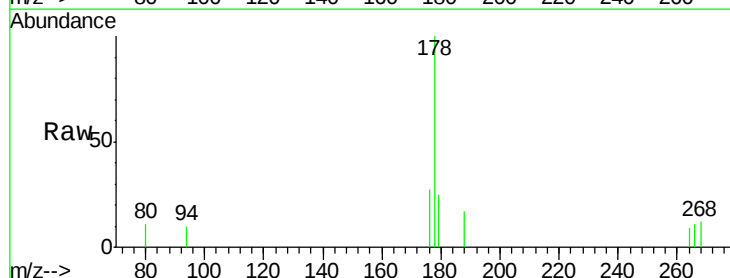
Tgt Ion:178 Resp: 972

Ion Ratio Lower Upper

178 100

179 25.5 13.6 20.4#

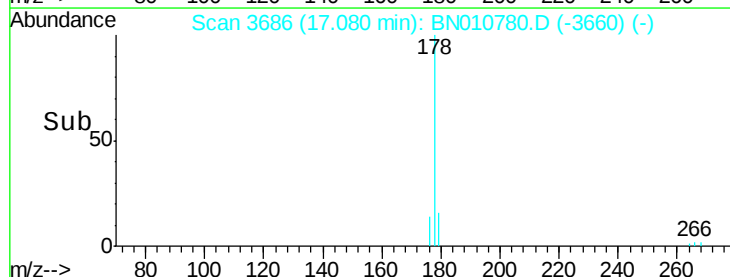
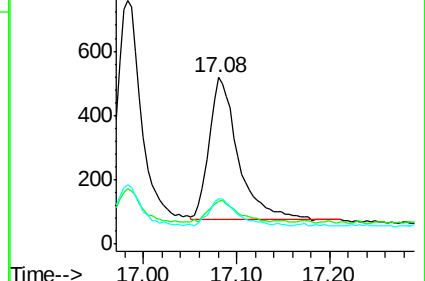
176 27.2 15.5 23.3#

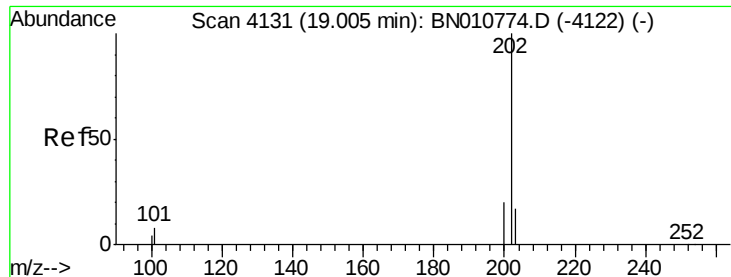


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.059 ng/ul

RT: 19.00 min Scan# 4131

Delta R.T. -0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

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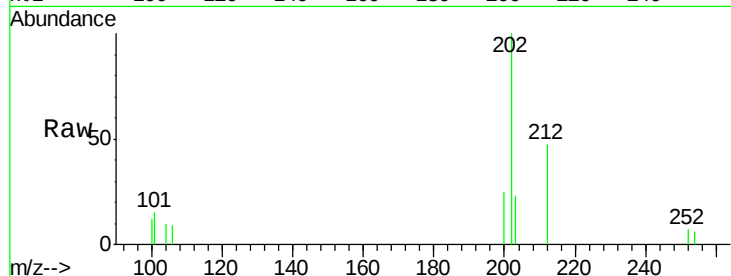
Tot Ion:202 Resp: 1411

Ion Ratio Lower Upper

202 100

101 15.1 0.0 29.8

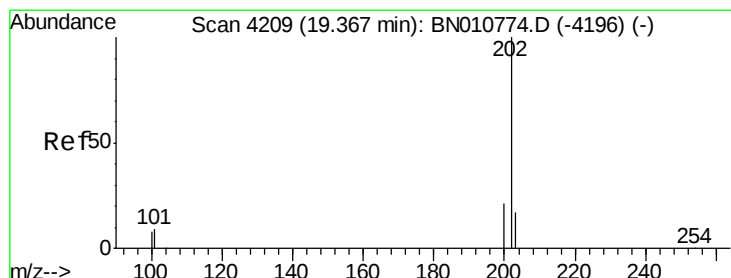
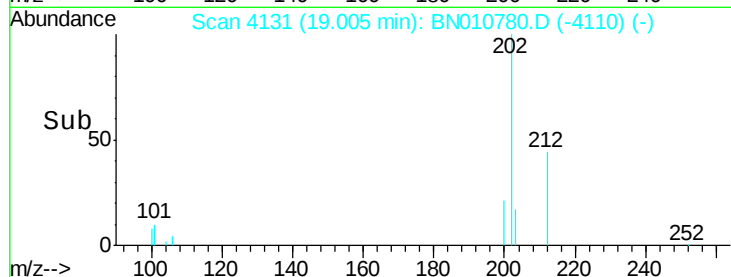
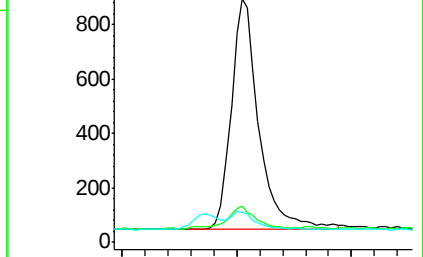
100 12.4 0.0 28.0



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: 0.064 ng/ul

RT: 19.37 min Scan# 4210

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

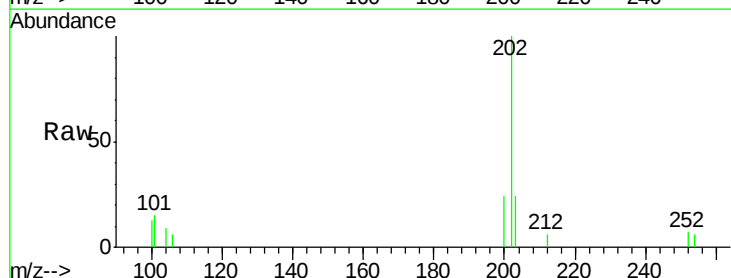
Tgt Ion:202 Resp: 1439

Ion Ratio Lower Upper

202 100

101 15.2 8.6 12.8#

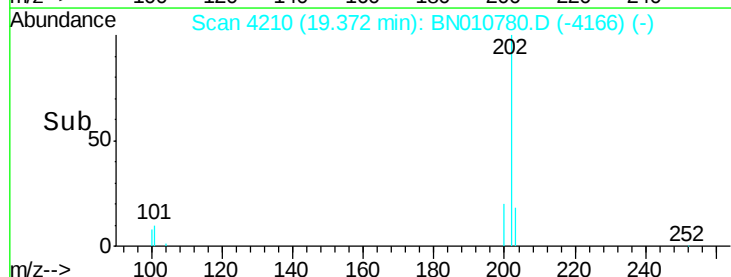
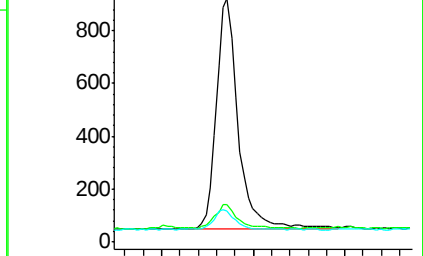
100 12.6 7.1 10.7#

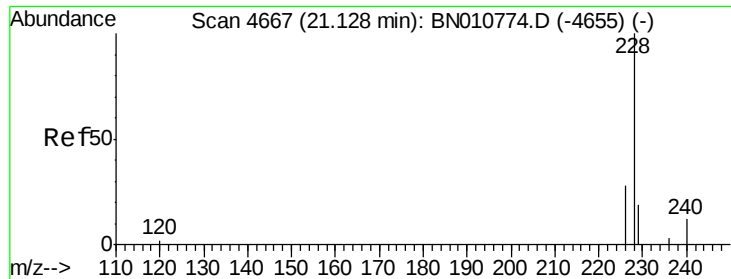


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.13 min Scan# 4668

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

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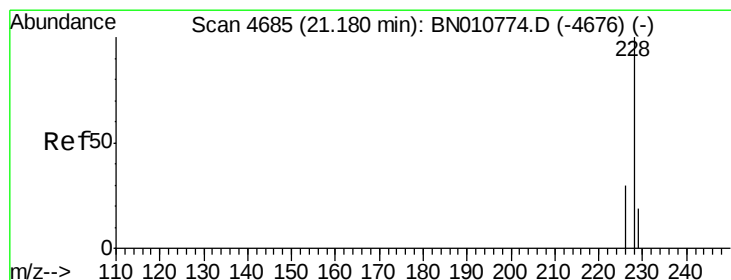
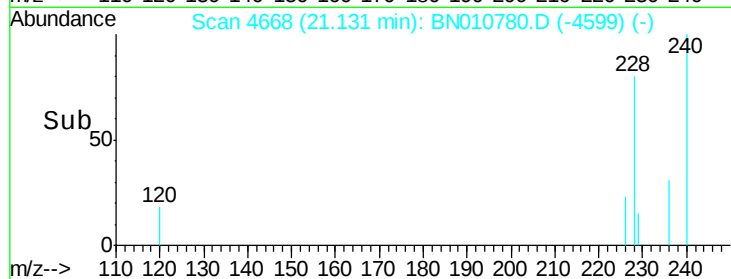
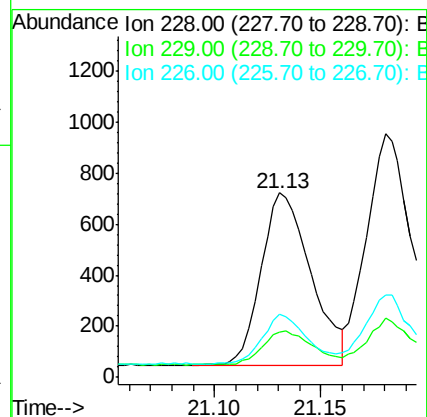
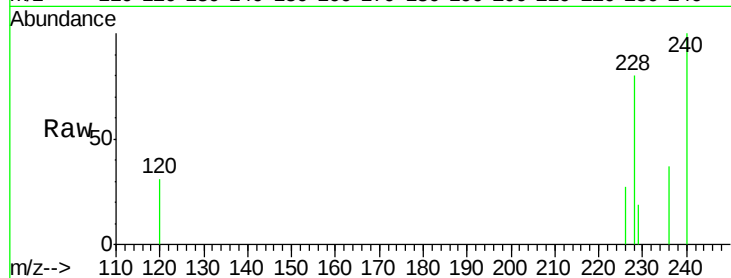
Tot Ion:228 Resp: 1099

Ion Ratio Lower Upper

228 100

229 24.2 16.0 24.0#

226 34.2 22.9 34.3



#19

Chrysene

Concen: 0.063 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

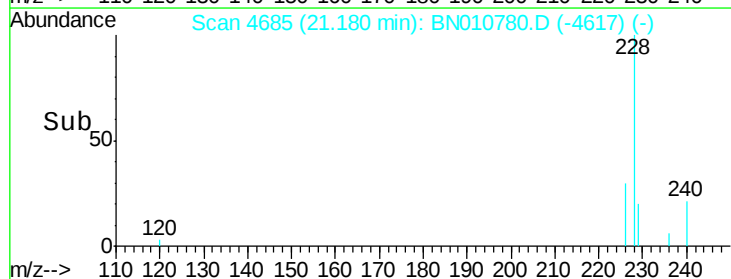
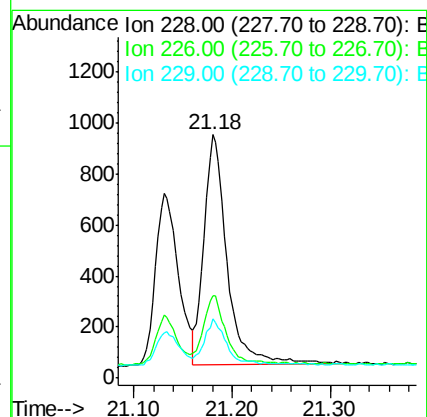
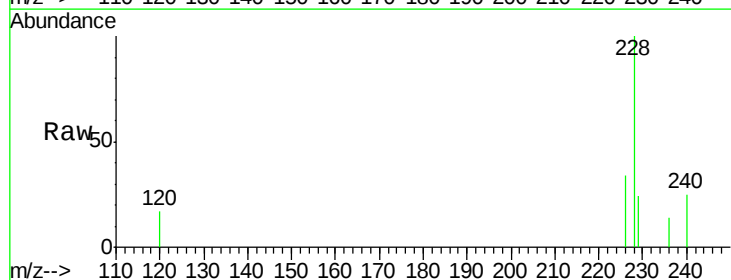
Tgt Ion:228 Resp: 1489

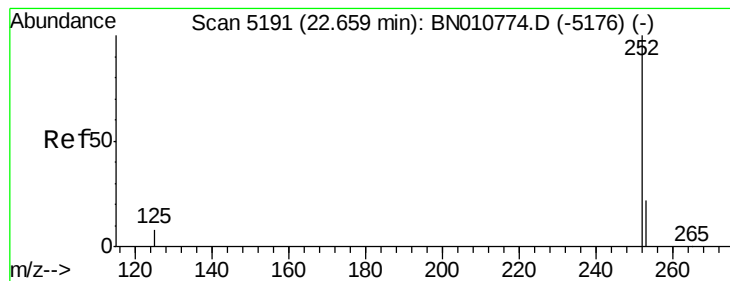
Ion Ratio Lower Upper

228 100

226 34.0 23.7 35.5

229 24.2 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 0.060 ng/u1

RT: 22.66 min Scan# 5192

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

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MDL-SOIL-05

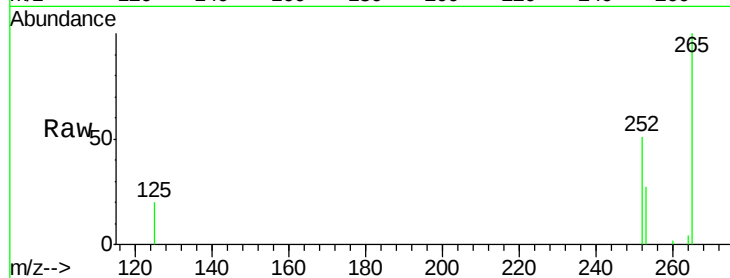
Tot Ion:252 Resp: 1236

Ion Ratio Lower Upper

252 100

253 51.9 0.0 57.6

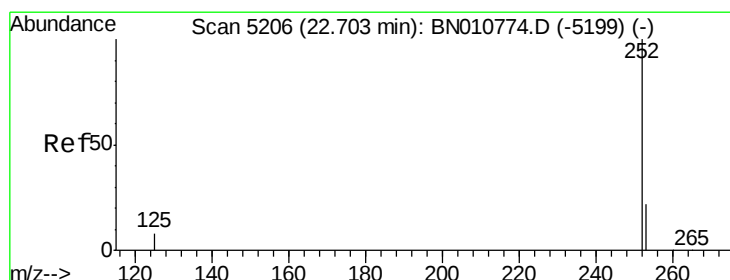
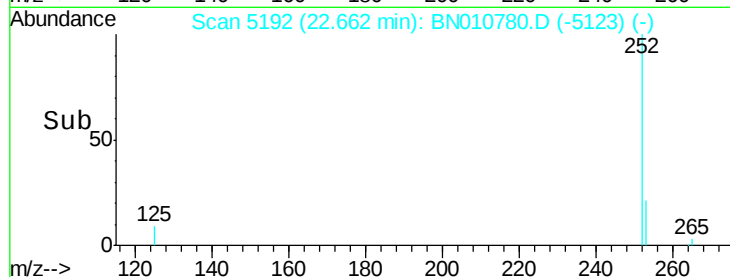
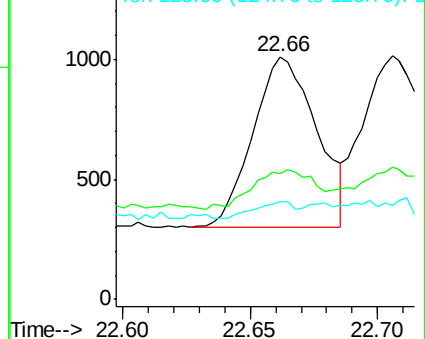
125 40.0 0.0 29.4#



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: 0.066 ng/u1

RT: 22.71 min Scan# 5207

Delta R.T. 0.00 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

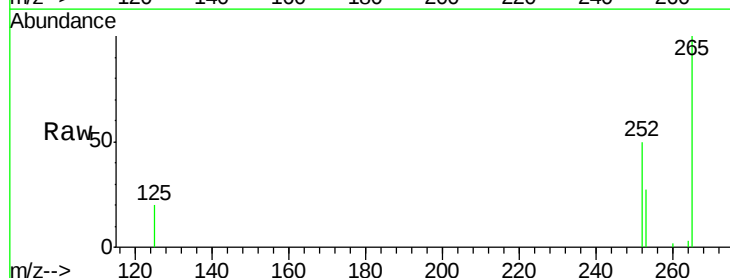
Tgt Ion:252 Resp: 1439

Ion Ratio Lower Upper

252 100

253 54.2 22.7 34.1#

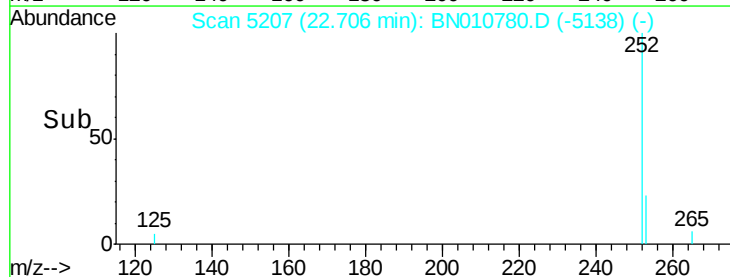
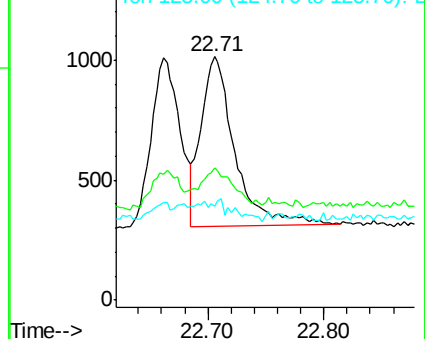
125 38.7 12.2 18.4#

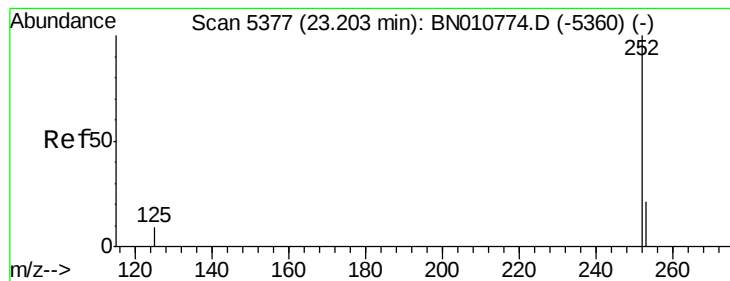


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.059 ng/u1

RT: 23.21 min Scan# 5380

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-05

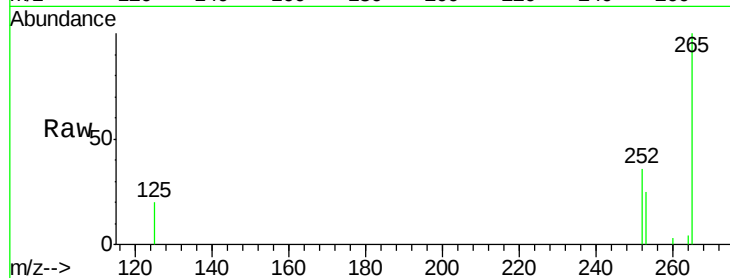
Tot Ion:252 Resp: 1035

Ion Ratio Lower Upper

252 100

253 68.4 26.3 39.5#

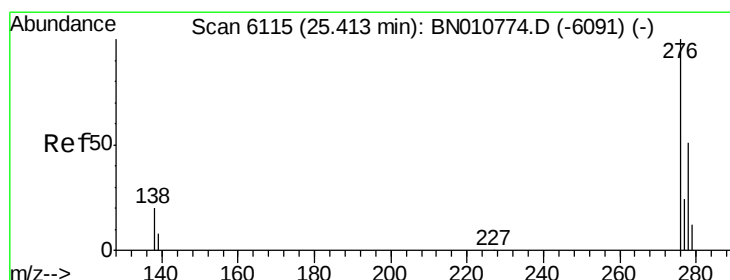
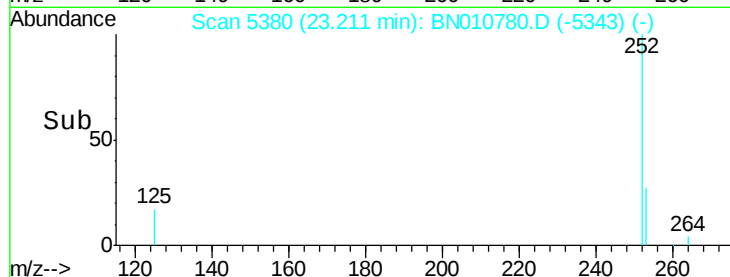
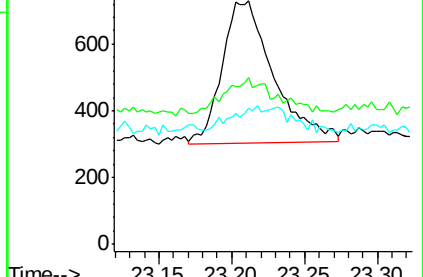
125 56.0 16.1 24.1#



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# 6119

Delta R.T. 0.01 min

Lab File: BN010780.D

Acq: 05 Jun 2020 14:08

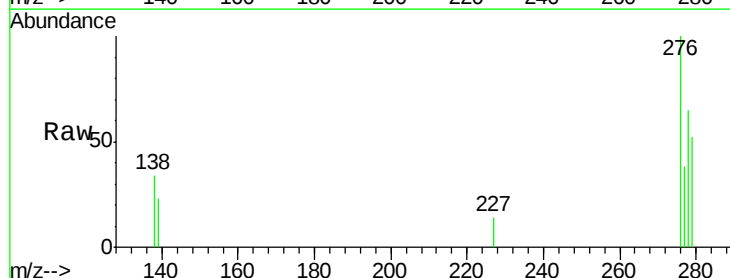
Tgt Ion:276 Resp: 1363

Ion Ratio Lower Upper

276 100

138 22.1 17.6 26.4

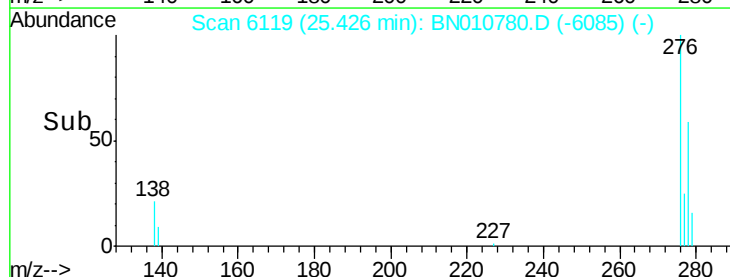
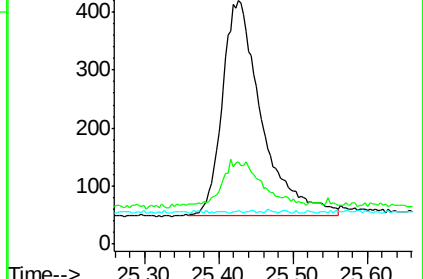
227 0.1 0.1 0.1#

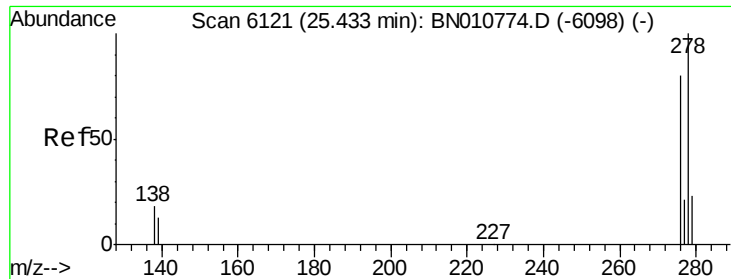


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

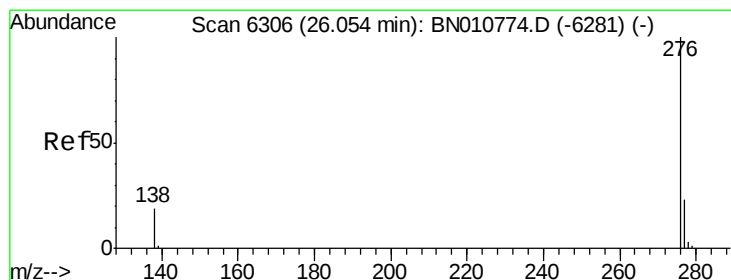
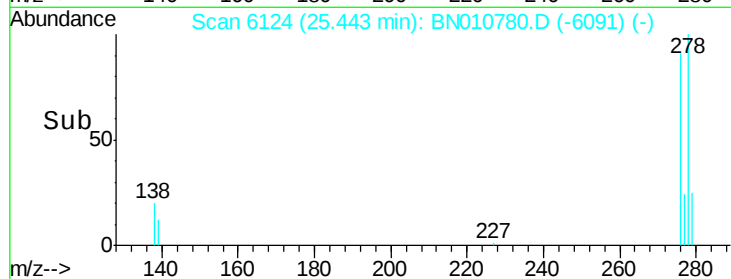
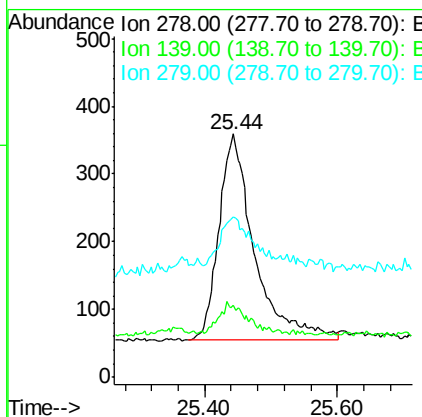
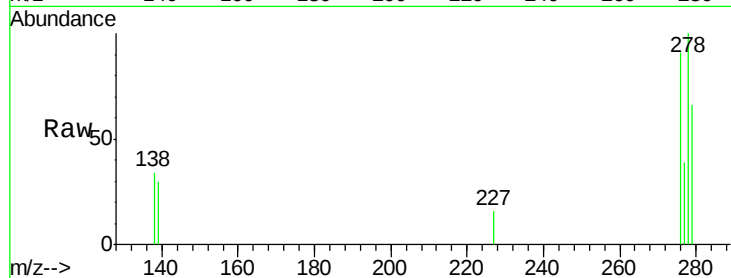




#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.44 min Scan# 6124
Delta R.T. 0.01 min
Lab File: BN010780.D
Acq: 05 Jun 2020 14:08

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-05

Tot Ion:278 Resp: 1127
Ion Ratio Lower Upper
278 100
139 29.5 13.7 20.5#
279 66.0 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.060 ng/ul
RT: 26.06 min Scan# 6309
Delta R.T. 0.01 min
Lab File: BN010780.D
Acq: 05 Jun 2020 14:08

Tgt Ion:276 Resp: 1316
Ion Ratio Lower Upper
276 100
138 31.4 17.5 26.3#
277 35.6 20.7 31.1#

