

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111320\
 Data File : BN012575.D
 Acq On : 13 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4485-07
 Misc : MDL-SOIL07
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Nov 13 12:26:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 13 11:54:51 2020
 Response via : Initial Calibration

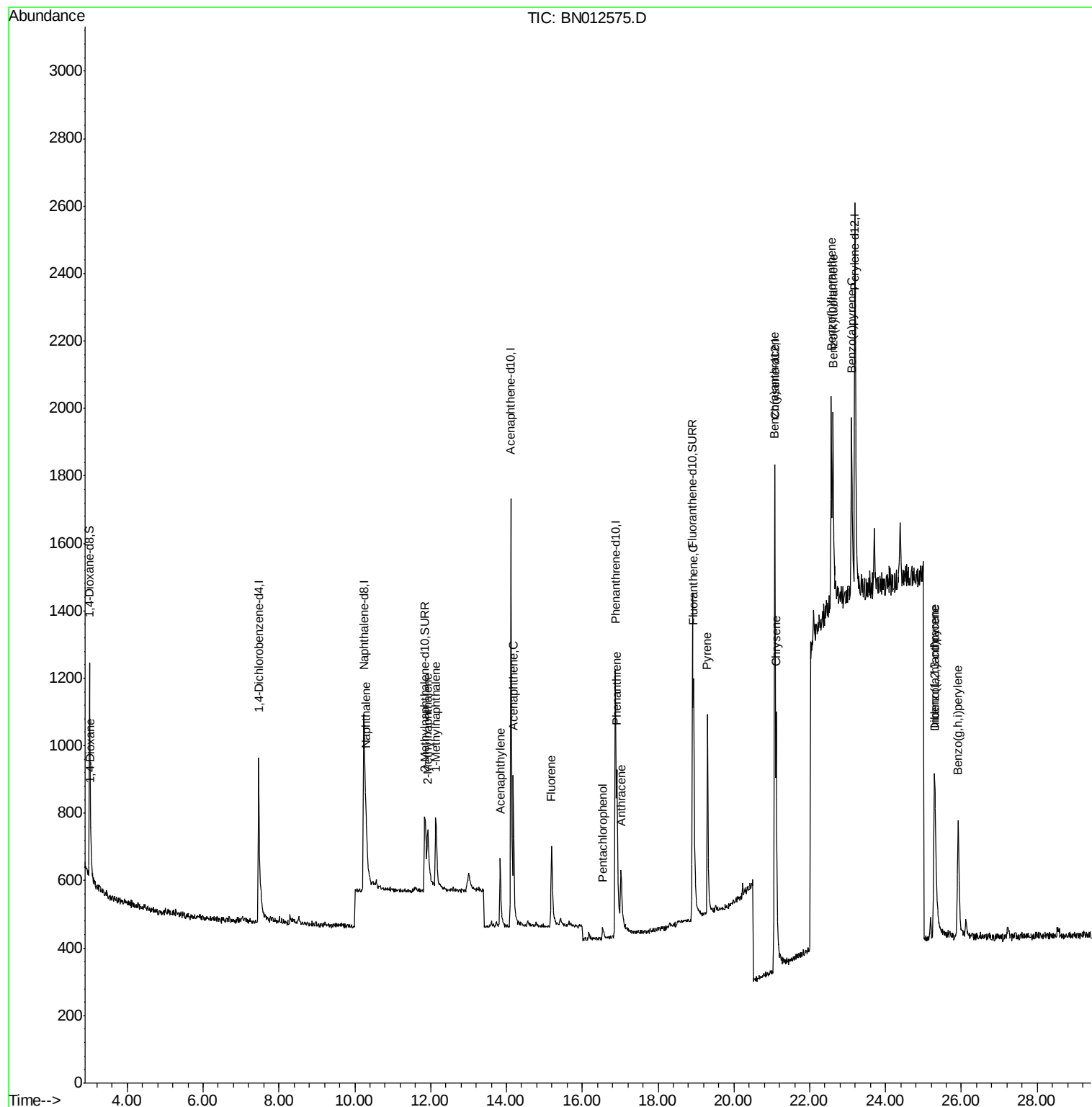
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	404	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	1634	0.40	ng/ul	0.02
9) Acenaphthene-d10	14.12	164	921	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	1765	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	1584	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	1743	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	417	0.76	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.85	152	756	0.33	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1682	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.04	88	55	0.099	ng/ul#	80
5) Naphthalene	10.29	128	411	0.089	ng/ul#	45
7) 2-Methylnaphthalene	11.93	142	245	0.082	ng/ul	89
8) 1-Methylnaphthalene	12.14	142	241	0.085	ng/ul	92
10) Acenaphthylene	13.83	152	365	0.090	ng/ul#	64
11) Acenaphthene	14.18	153	307	0.088	ng/ul#	92
12) Fluorene	15.19	166	318	0.082	ng/ul#	92
14) Pentachlorophenol	16.54	266	42	0.087	ng/ul#	84
15) Phenanthrene	16.92	178	515	0.088	ng/ul#	65
16) Anthracene	17.02	178	369	0.077	ng/ul#	52
18) Fluoranthene	18.94	202	705	0.109	ng/ul#	76
20) Pyrene	19.30	202	769	0.103	ng/ul#	80
21) Benzo(a)anthracene	21.07	228	538	0.093	ng/ul#	84
22) Chrysene	21.12	228	767	0.110	ng/ul#	85
24) Benzo(b)fluoranthene	22.57	252	786	0.106	ng/ul#	40
25) Benzo(k)fluoranthene	22.61	252	865	0.101	ng/ul#	44
26) Benzo(a)pyrene	23.11	252	739	0.105	ng/ul#	23
27) Indeno(1,2,3-cd)pyrene	25.29	276	920	0.100	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.30	278	676	0.091	ng/ul#	37
29) Benzo(g,h,i)perylene	25.91	276	839	0.099	ng/ul#	76

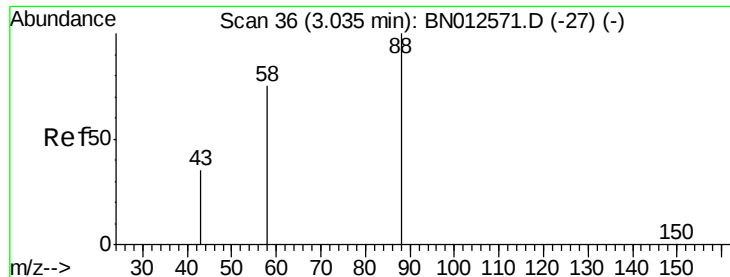
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111320\
Data File : BN012575.D
Acq On : 13 Nov 2020 11:52
Operator : CG/JU
Sample : L4485-07
Misc : MDL-SOIL07
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Quant Time: Nov 13 12:26:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 13 11:54:51 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.099 ng/ul

RT: 3.04 min Scan# 37

Delta R.T. 0.00 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

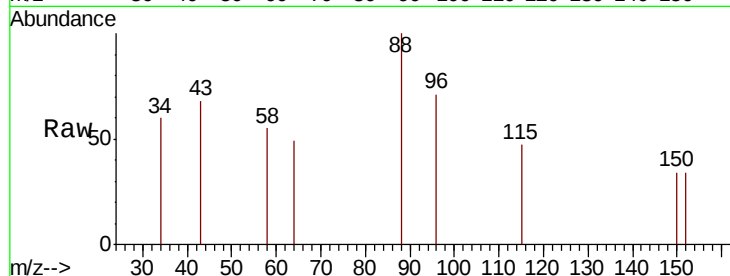
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

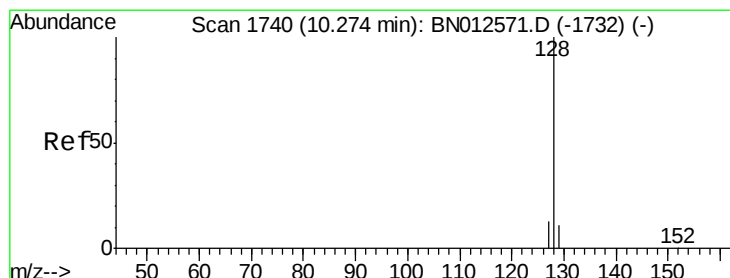
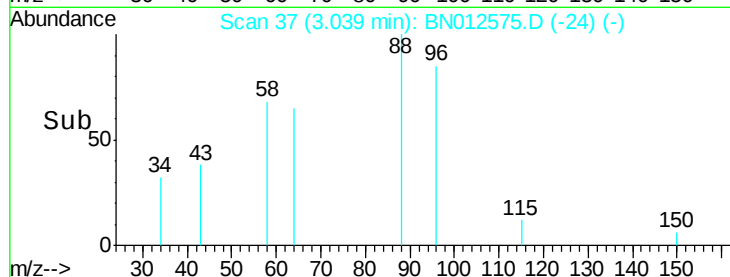
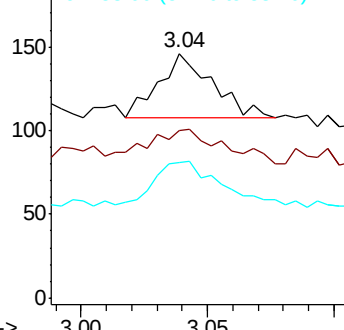
88 100

43 68.5 42.7 64.1#

58 55.5 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): BNO
Ion 43.00 (42.70 to 43.70): BNO
Ion 58.00 (57.70 to 58.70): BNO



#5

Naphthalene

Concen: 0.089 ng/ul

RT: 10.29 min Scan# 1743

Delta R.T. 0.02 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

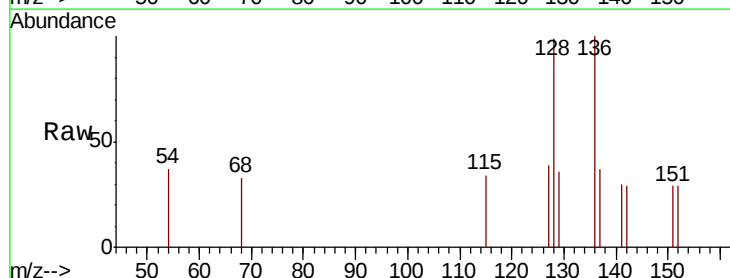
Tgt Ion: 128 Resp: 411

Ion Ratio Lower Upper

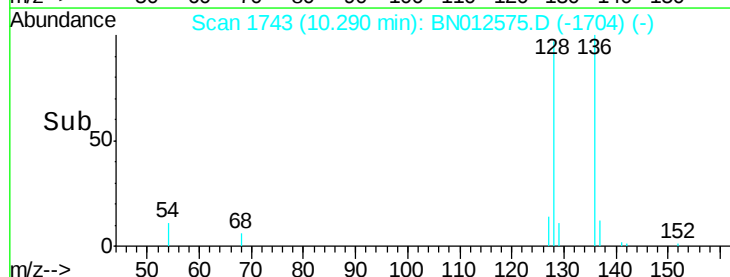
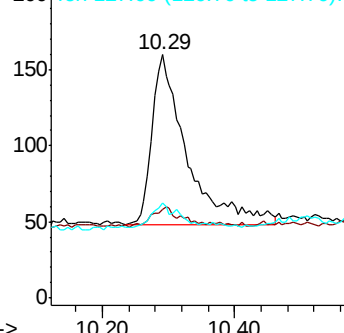
128 100

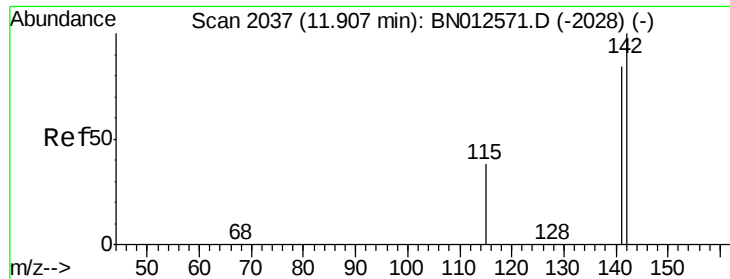
129 36.3 11.1 16.7#

127 38.8 12.6 18.8#



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





#7

2-Methylnaphthalene

Concen: 0.082 ng/ul

RT: 11.93 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampled :

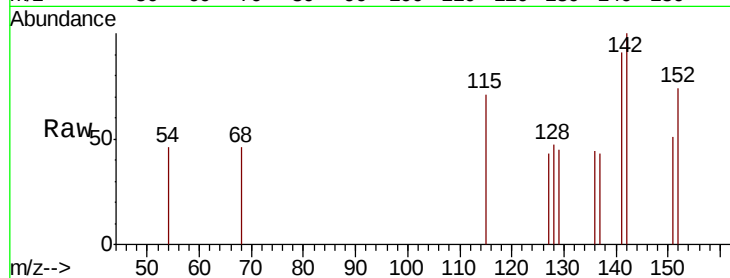
MDL-SOIL-07

Tot Ion:142 Resp: 245

Ion Ratio Lower Upper

142 100

141 80.0 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

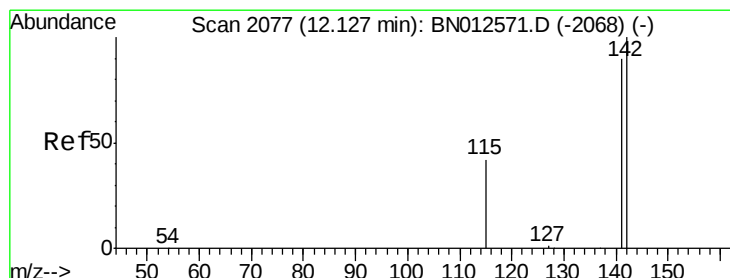
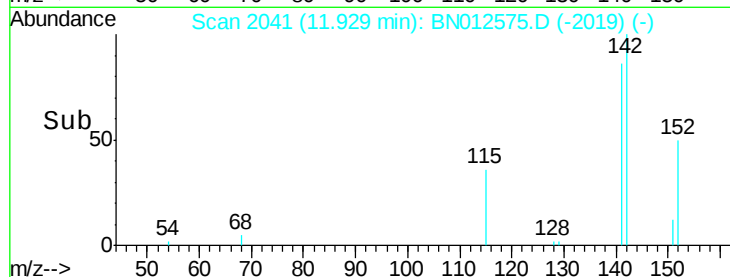
11.93

100

50

0

Time--> 11.80 11.90 12.00 12.10



#8

1-Methylnaphthalene

Concen: 0.085 ng/ul

RT: 12.14 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BN012575.D

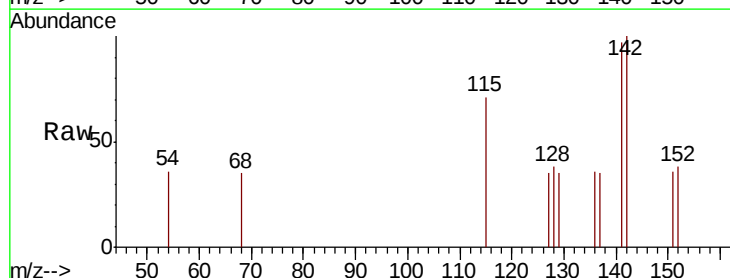
Acq: 13 Nov 2020 11:52

Tgt Ion:142 Resp: 241

Ion Ratio Lower Upper

142 100

141 86.3 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.14

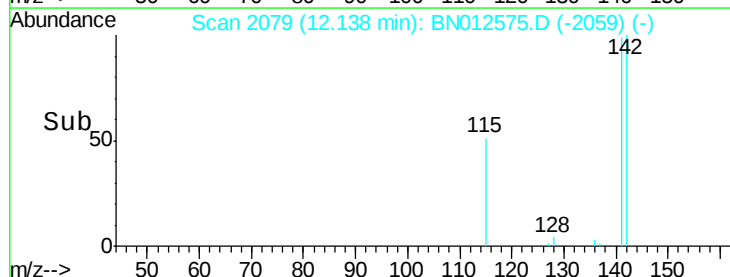
150

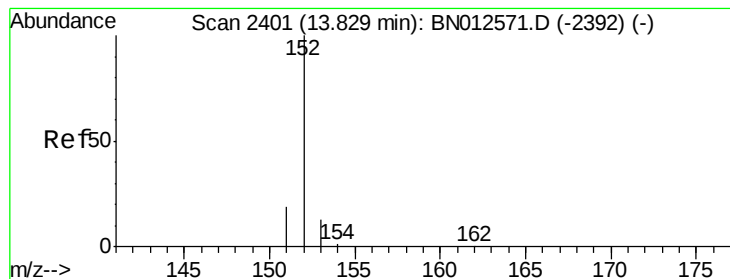
100

50

0

Time--> 12.10 12.20





#10

Acenaphthylene

Concen: 0.090 ng/ul

RT: 13.83 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

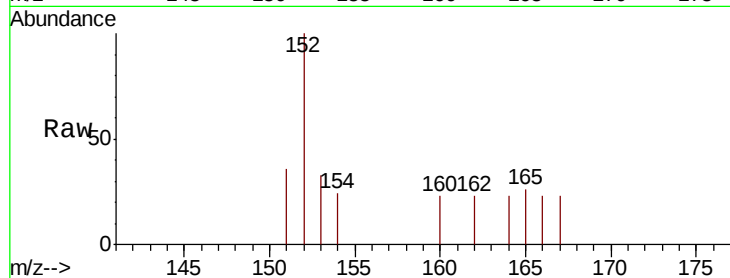
Tot Ion:152 Resp: 365

Ion Ratio Lower Upper

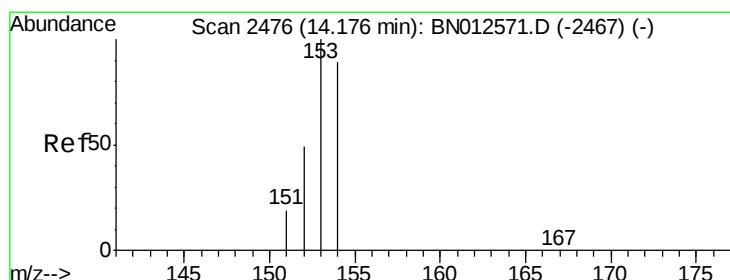
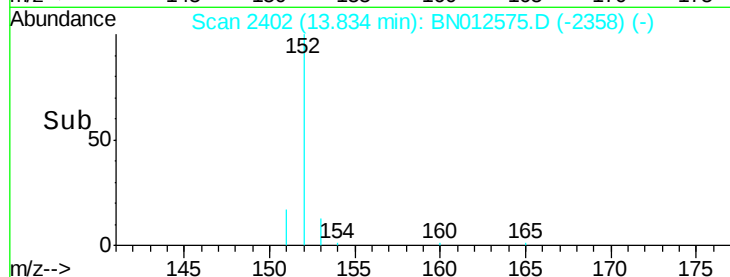
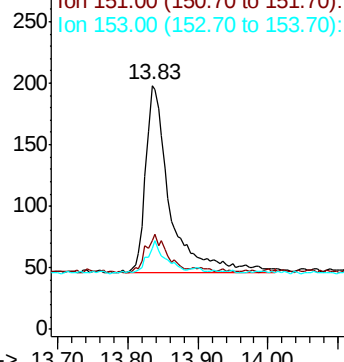
152 100

151 36.4 17.0 25.4#

153 33.3 12.5 18.7#



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



#11

Acenaphthene

Concen: 0.088 ng/ul

RT: 14.18 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

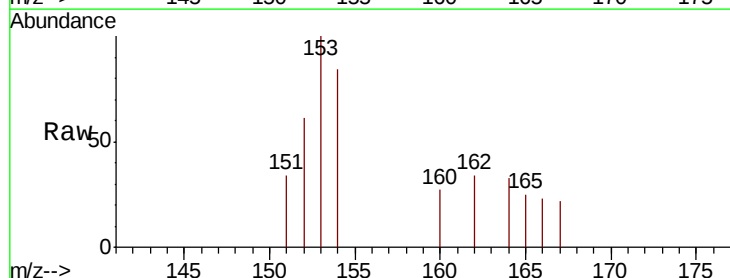
Tgt Ion:153 Resp: 307

Ion Ratio Lower Upper

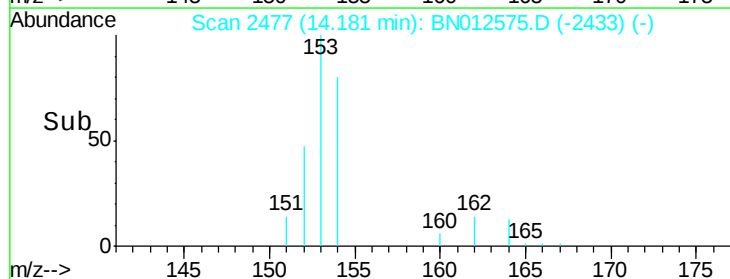
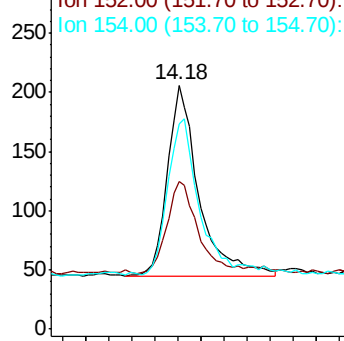
153 100

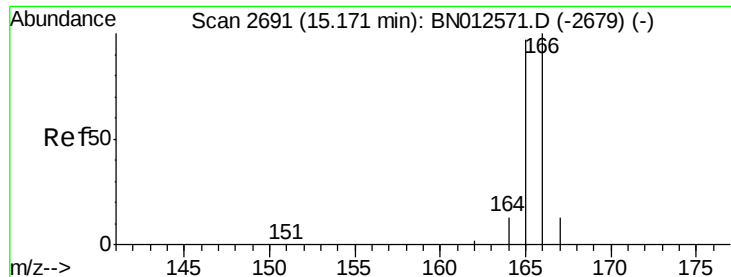
152 60.7 39.9 59.9#

154 84.5 69.9 104.9



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





#12

Fluorene

Concen: 0.082 ng/ul

RT: 15.19 min Scan# 2696

Delta R.T. 0.02 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

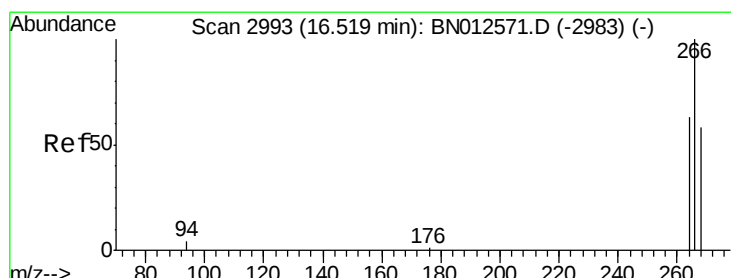
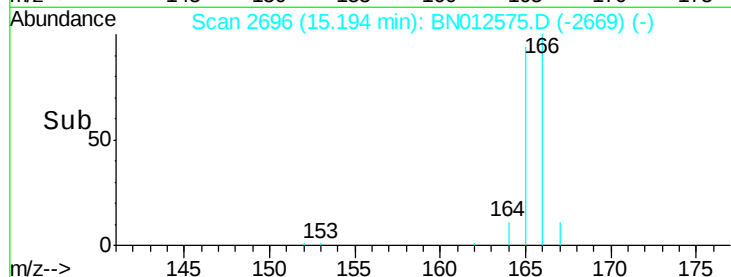
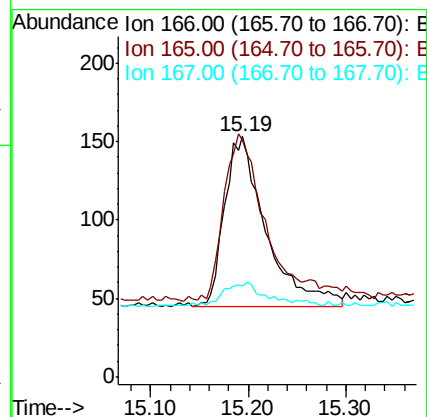
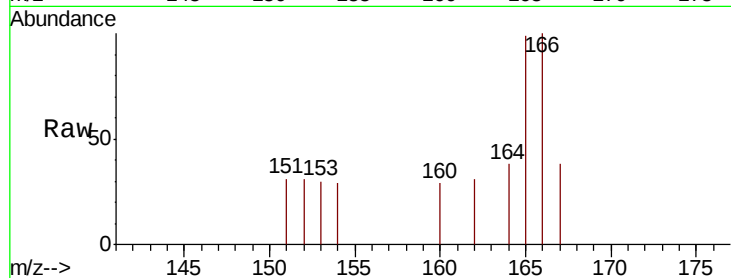
Tot Ion:166 Resp: 318

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

167 37.9 12.6 19.0#



#14

Pentachlorophenol

Concen: 0.087 ng/ul

RT: 16.54 min Scan# 2998

Delta R.T. 0.02 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

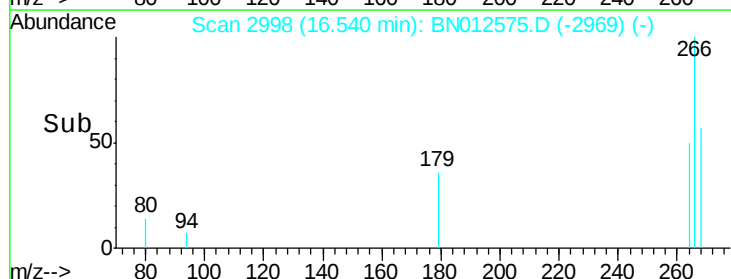
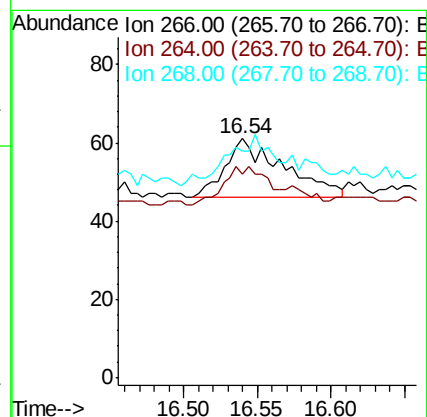
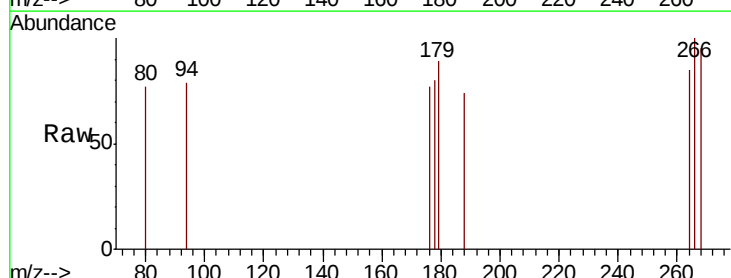
Tgt Ion:266 Resp: 42

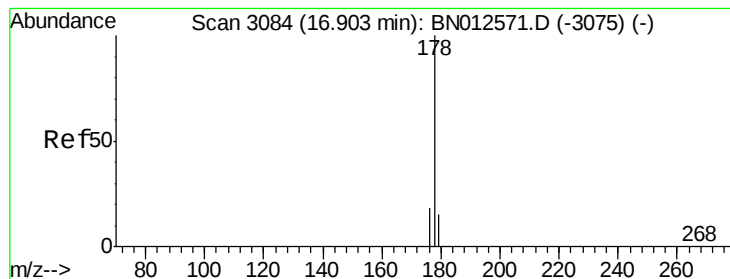
Ion Ratio Lower Upper

266 100

264 61.9 48.6 73.0

268 92.9 55.2 82.8#





#15

Phenanthrene

Concen: 0.088 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

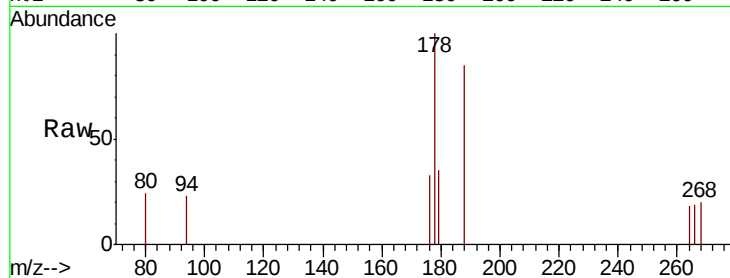
Tot Ion:178 Resp: 515

Ion Ratio Lower Upper

178 100

179 34.5 13.0 19.6#

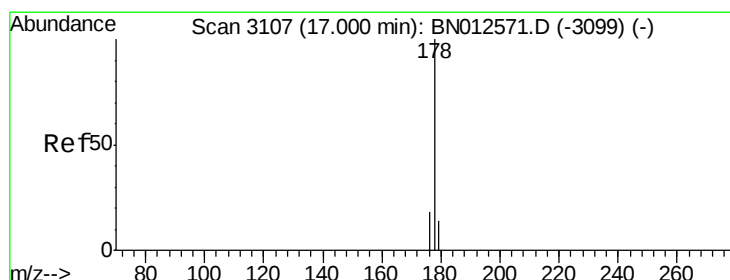
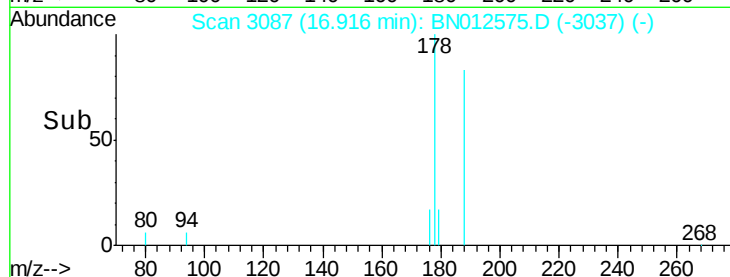
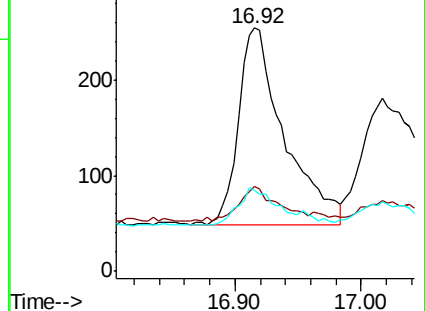
176 32.9 15.8 23.8#



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



#16

Anthracene

Concen: 0.077 ng/ul

RT: 17.02 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

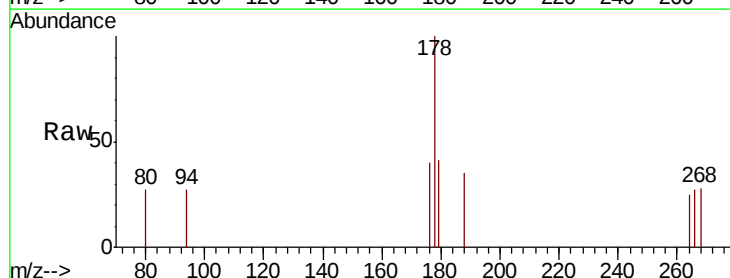
Tgt Ion:178 Resp: 369

Ion Ratio Lower Upper

178 100

179 40.9 14.2 21.4#

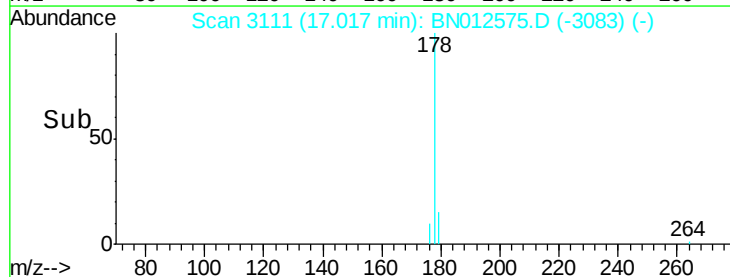
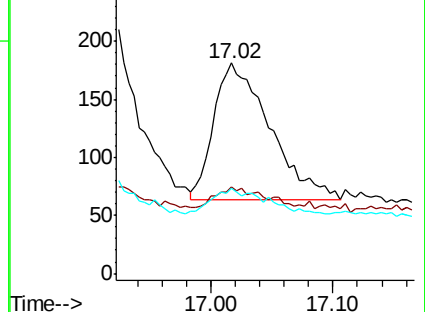
176 40.3 15.9 23.9#

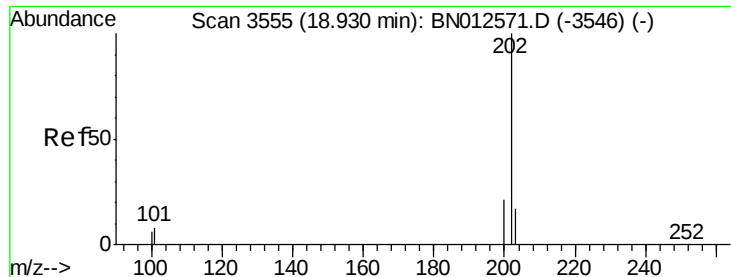


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.109 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

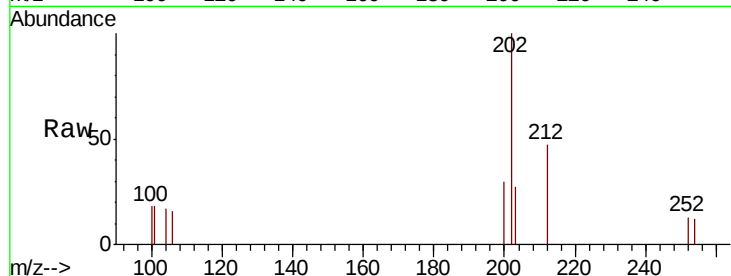
Tot Ion:202 Resp: 705

Ion Ratio Lower Upper

202 100

101 18.2 8.2 12.2#

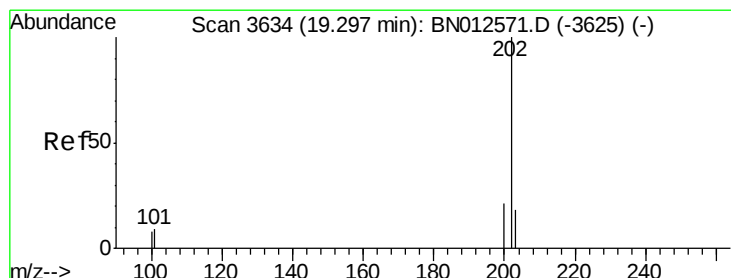
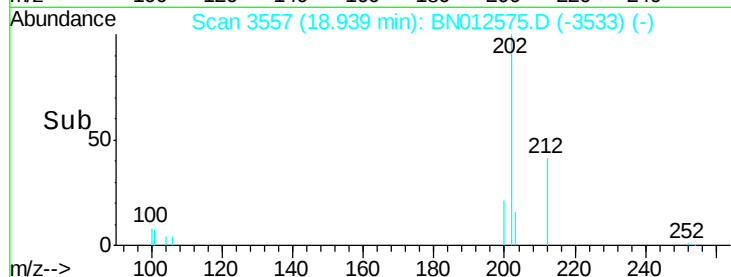
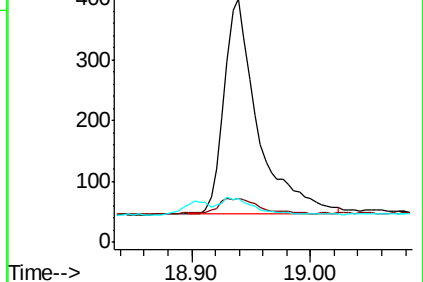
100 18.0 6.9 10.3#



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: 0.103 ng/ul

RT: 19.30 min Scan# 3635

Delta R.T. 0.00 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

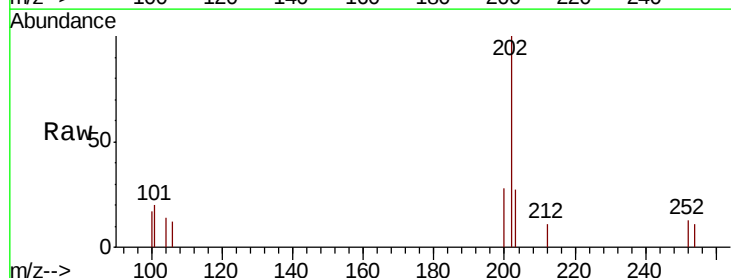
Tgt Ion:202 Resp: 769

Ion Ratio Lower Upper

202 100

101 20.5 9.4 14.2#

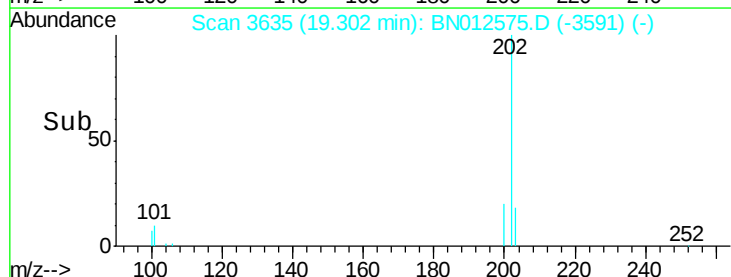
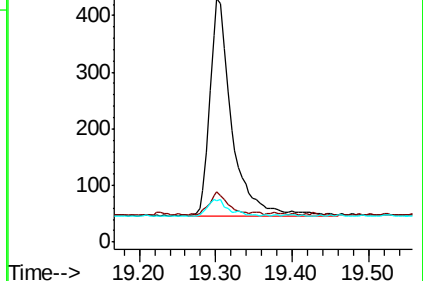
100 17.2 8.6 12.8#

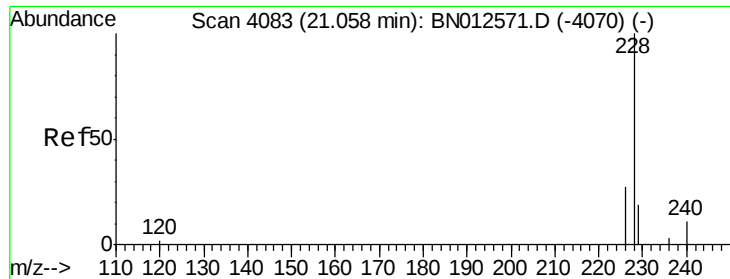


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.093 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

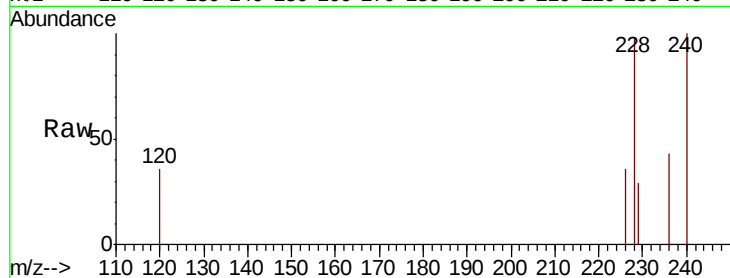
Tot Ion:228 Resp: 538

Ion Ratio Lower Upper

228 100

229 29.9 16.6 25.0#

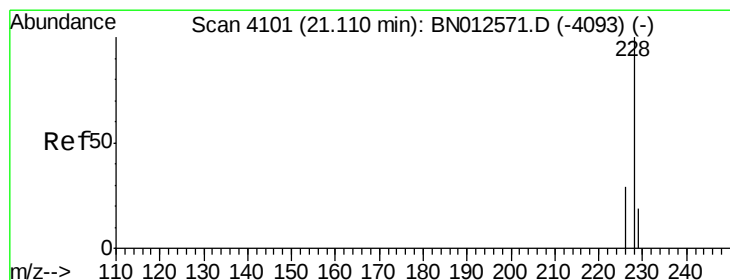
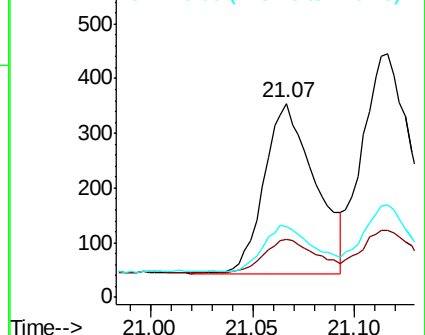
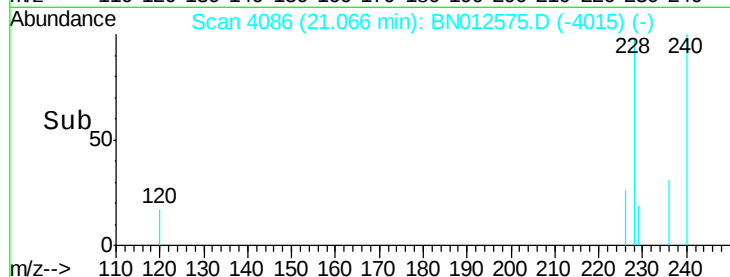
226 36.6 23.5 35.3#



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



#22

Chrysene

Concen: 0.110 ng/ul

RT: 21.12 min Scan# 4103

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

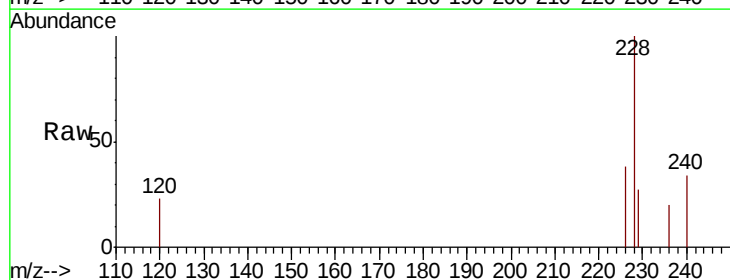
Tgt Ion:228 Resp: 767

Ion Ratio Lower Upper

228 100

226 38.0 23.9 35.9#

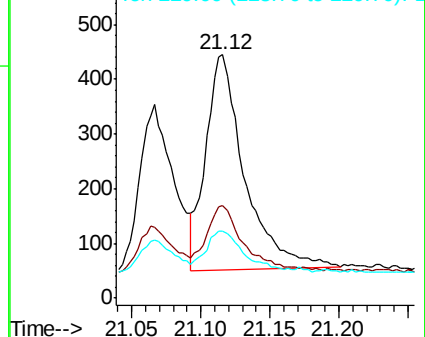
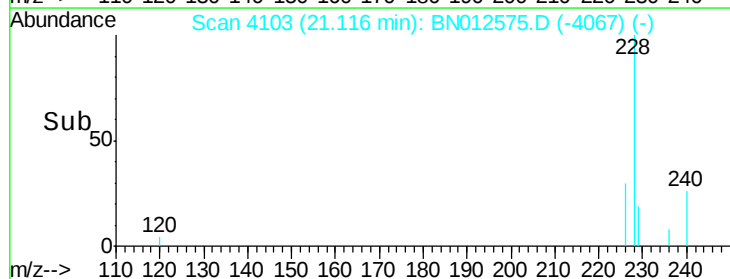
229 27.4 16.6 24.8#

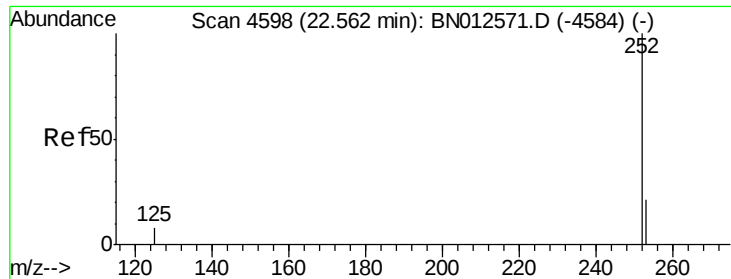


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.106 ng/ul

RT: 22.57 min Scan# 4601

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-07

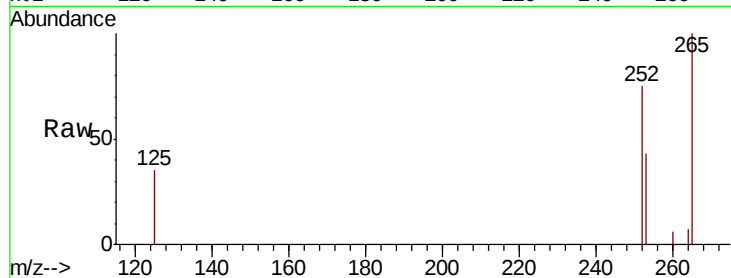
Tot Ion:252 Resp: 786

Ion Ratio Lower Upper

252 100

253 57.4 0.0 59.2

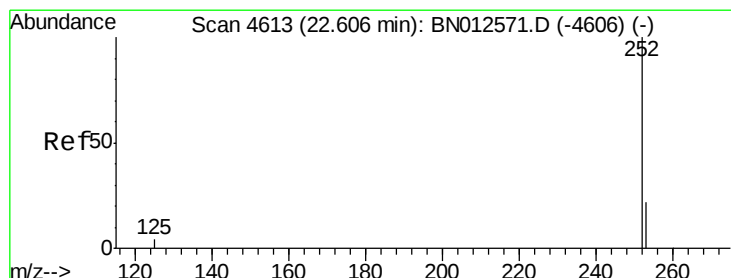
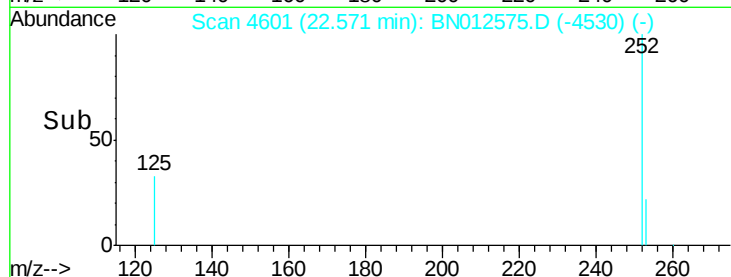
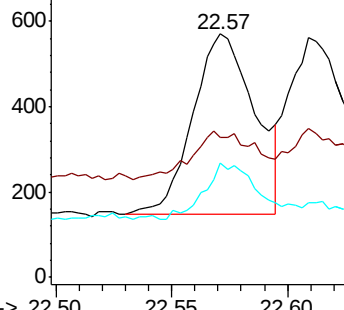
125 47.1 0.0 30.2#



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



#25

Benzo(k)fluoranthene

Concen: 0.101 ng/ul

RT: 22.61 min Scan# 4614

Delta R.T. 0.00 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

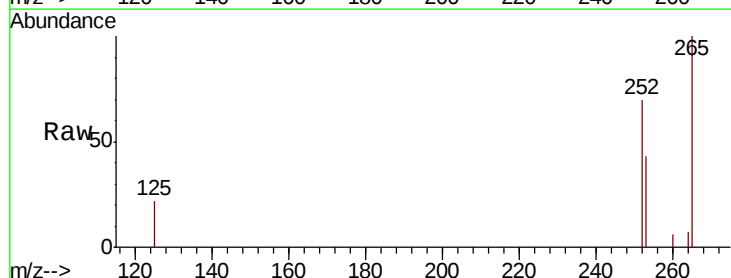
Tgt Ion:252 Resp: 865

Ion Ratio Lower Upper

252 100

253 62.0 23.3 34.9#

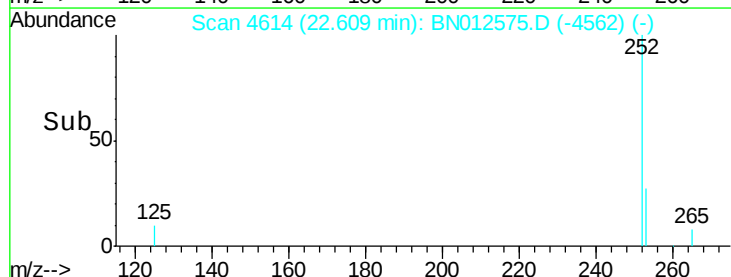
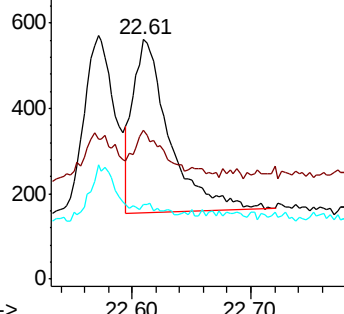
125 31.2 10.6 15.8#

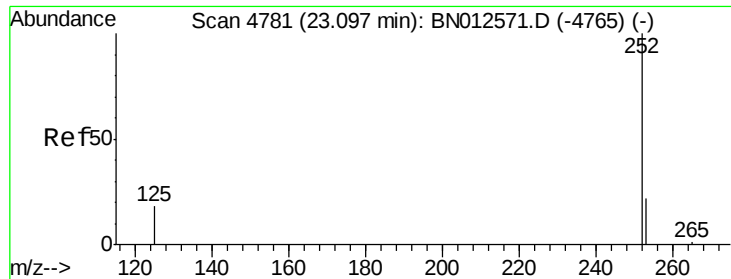


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.105 ng/u1

RT: 23.11 min Scan# 4784

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

Instrument :

BNA_N

ClientSampled :

MDL-SOIL-07

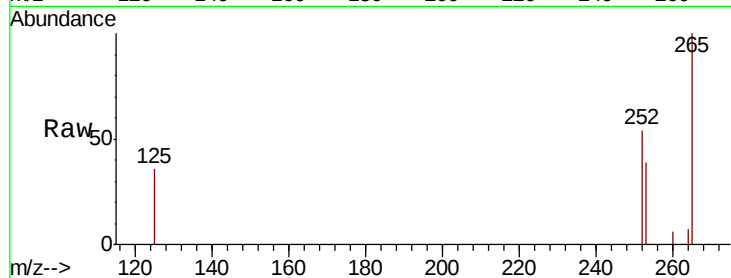
Tot Ion:252 Resp: 739

Ion Ratio Lower Upper

252 100

253 72.6 27.4 41.0#

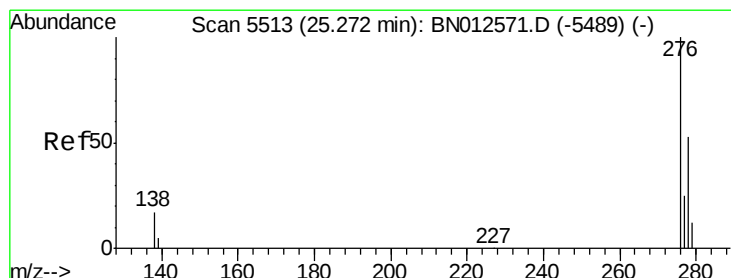
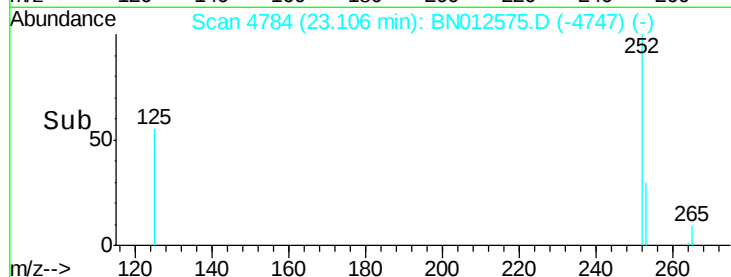
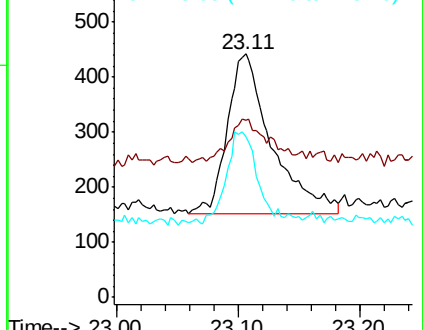
125 66.1 17.7 26.5#



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: 0.100 ng/u1

RT: 25.29 min Scan# 5517

Delta R.T. 0.01 min

Lab File: BN012575.D

Acq: 13 Nov 2020 11:52

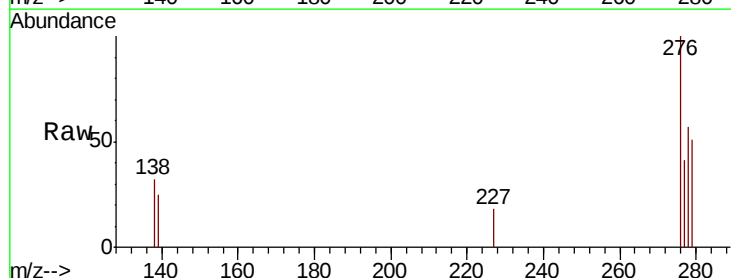
Tgt Ion:276 Resp: 920

Ion Ratio Lower Upper

276 100

138 16.6 16.3 24.5

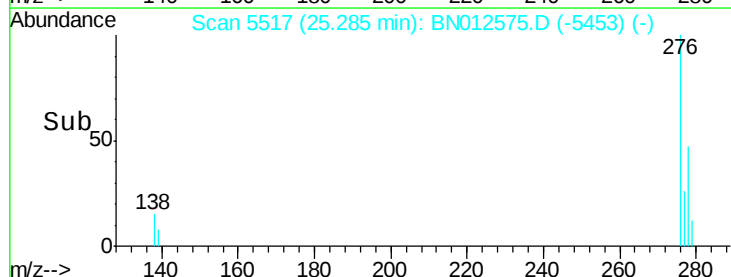
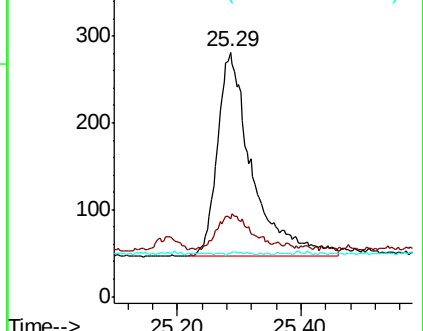
227 0.5 0.1 0.1#

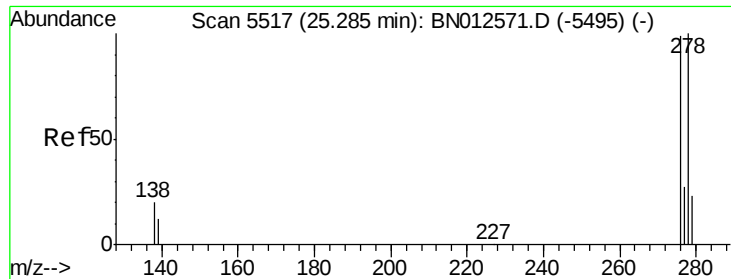


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

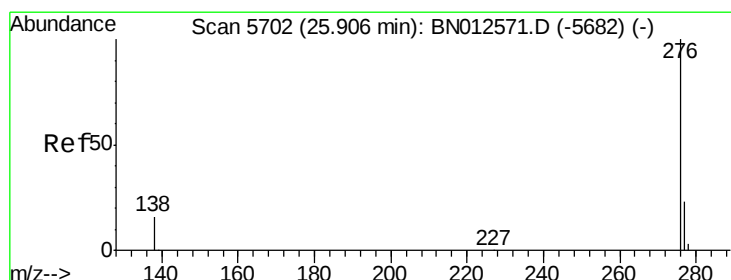
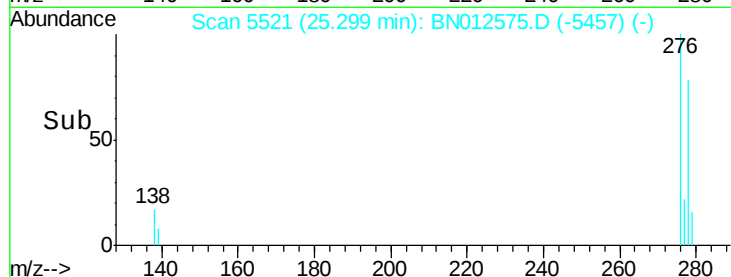
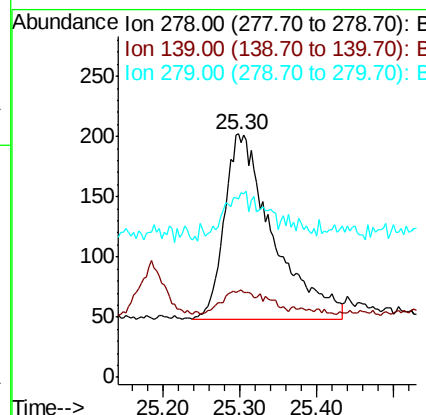
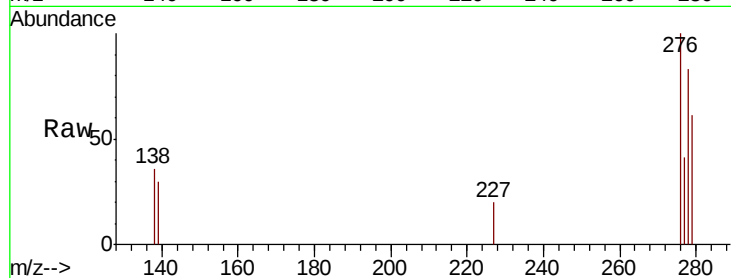




#28
Dibenzo(a,h)anthracene
Concen: 0.091 ng/u1
RT: 25.30 min Scan# 5521
Delta R.T. 0.01 min
Lab File: BN012575.D
Acq: 13 Nov 2020 11:52

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-07

Tot Ion:278 Resp: 676
Ion Ratio Lower Upper
278 100
139 35.6 13.4 20.2#
279 73.3 25.8 38.6#



#29
Benzo(g,h,i)perylene
Concen: 0.099 ng/u1
RT: 25.91 min Scan# 5704
Delta R.T. 0.01 min
Lab File: BN012575.D
Acq: 13 Nov 2020 11:52

Tgt Ion:276 Resp: 839
Ion Ratio Lower Upper
276 100
138 32.2 17.1 25.7#
277 39.7 21.4 32.0#

