

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091424\
 Data File : BN033916.D
 Acq On : 14 Sep 2024 15:42
 Operator : JU/RC
 Sample : P3391-03
 Misc : SFAM-SIM-MDL-Q3-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Sep 15 01:58:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 01:52:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

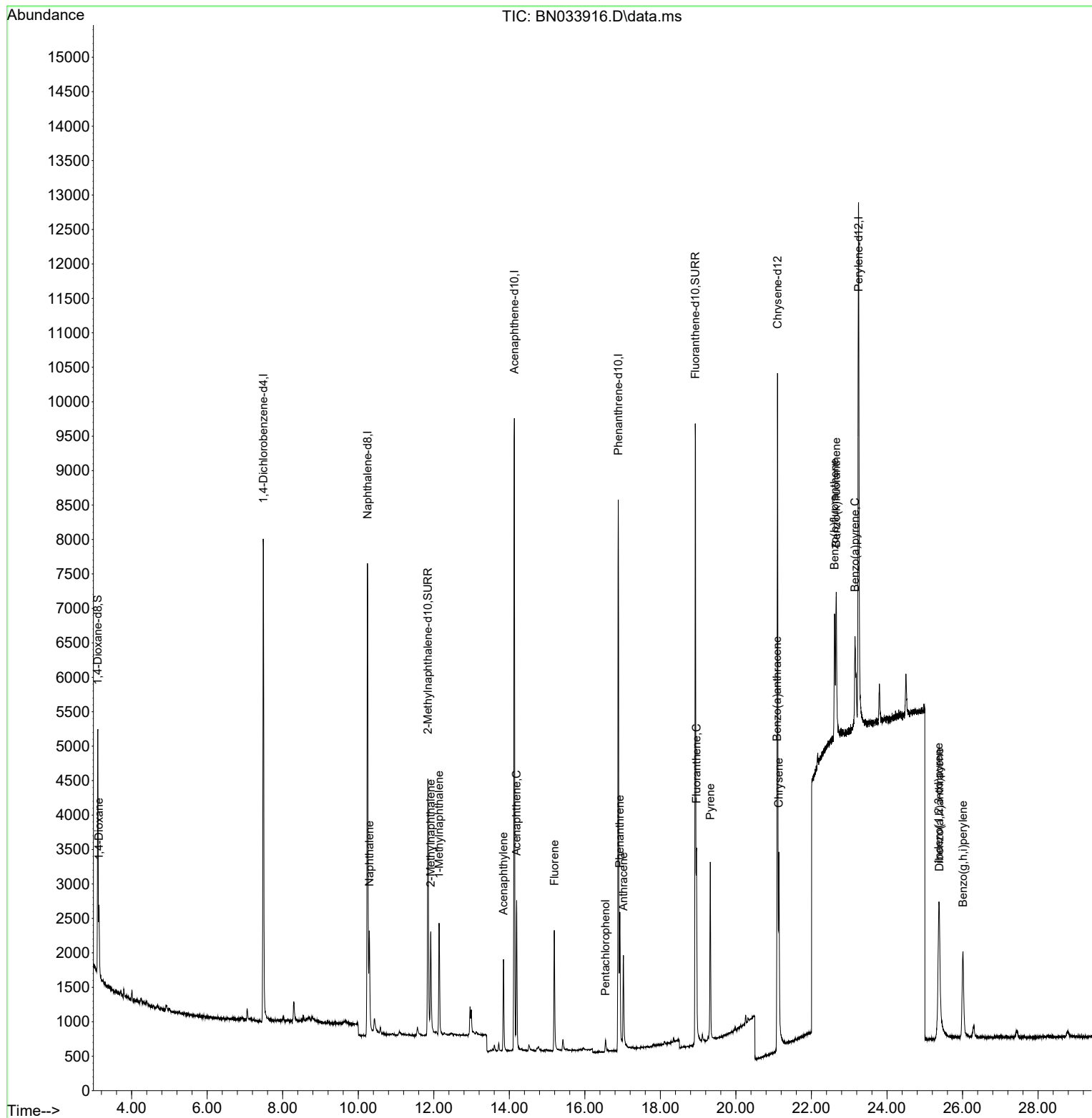
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.489	152	3729	0.400	ng/ul	0.00
4) Naphthalene-d8	10.244	136	10214	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.133	164	5174	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.885	188	10772	0.400	ng/ul	0.00
17) Chrysene-d12	21.103	240	9037	0.400	ng/ul	0.00
23) Perylene-d12	23.245	264	10473	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.105	96	2212	0.577	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.845	152	5614	0.383	ng/ul	0.00
18) Fluoranthene-d10	18.924	212	10533	0.391	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.135	88	678	0.159	ng/ul#	85
5) Naphthalene	10.294	128	2013	0.074	ng/ul#	91
7) 2-Methylnaphthalene	11.922	142	1205	0.070	ng/ul	97
8) 1-Methylnaphthalene	12.142	142	1207	0.068	ng/ul	98
10) Acenaphthylene	13.846	152	1639	0.070	ng/ul#	92
11) Acenaphthene	14.193	153	1264	0.075	ng/ul	95
12) Fluorene	15.192	166	1321	0.070	ng/ul#	97
14) Pentachlorophenol	16.547	266	158	0.047	ng/ul	97
15) Phenanthrene	16.927	178	2030	0.064	ng/ul#	91
16) Anthracene	17.020	178	1675	0.059	ng/ul#	89
19) Fluoranthene	18.957	202	2314	0.065	ng/ul#	92
20) Pyrene	19.324	202	2380	0.063	ng/ul	96
21) Benzo(a)anthracene	21.089	228	2075	0.058	ng/ul	94
22) Chrysene	21.138	228	2560	0.071	ng/ul	95
24) Benzo(b)fluoranthene	22.614	252	2497	0.061	ng/ul#	49
25) Benzo(k)fluoranthene	22.658	252	2831	0.070	ng/ul#	48
26) Benzo(a)pyrene	23.155	252	2301	0.070	ng/ul#	35
27) Indeno(1,2,3-cd)pyrene	25.371	276	3038	0.062	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.388	278	2339	0.061	ng/ul#	55
29) Benzo(g,h,i)perylene	26.012	276	2626	0.069	ng/ul#	85

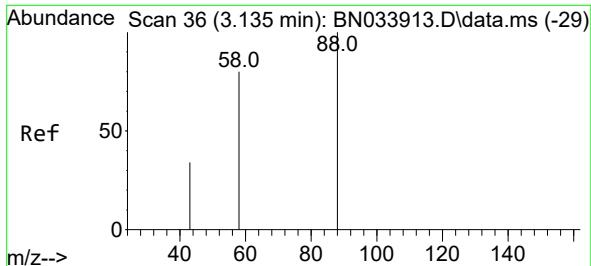
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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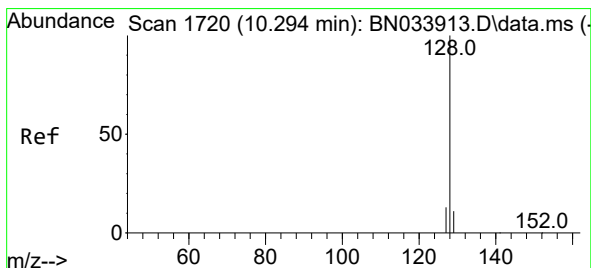
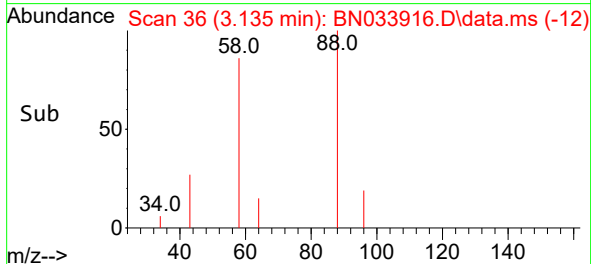
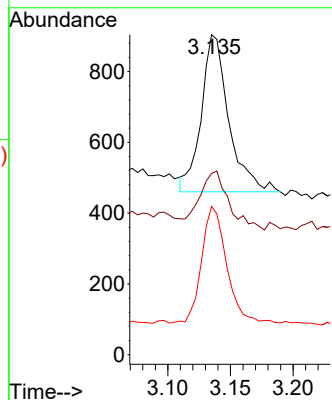
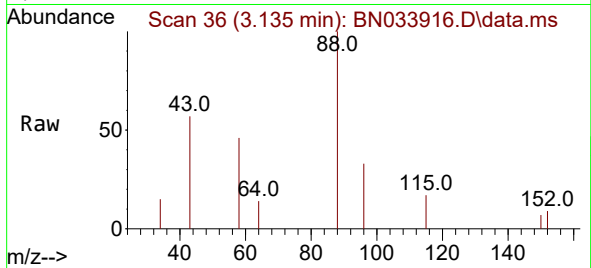




#2
1,4-Dioxane
Concen: 0.159 ng/ul
RT: 3.135 min Scan# 30
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

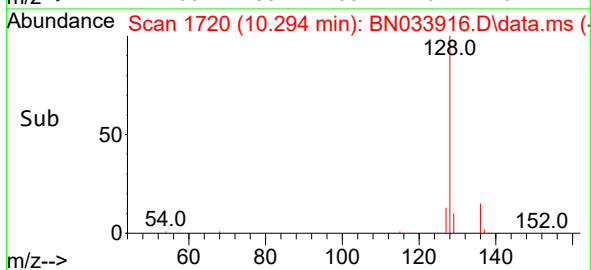
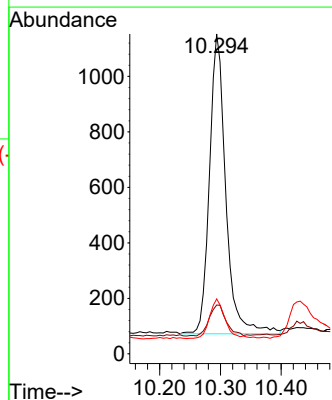
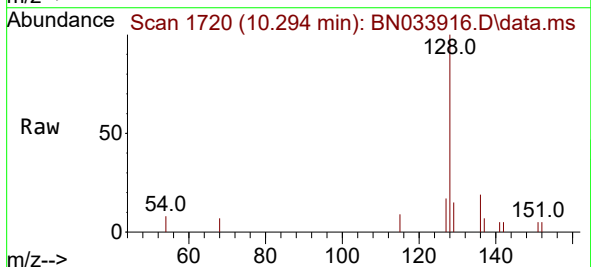
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05

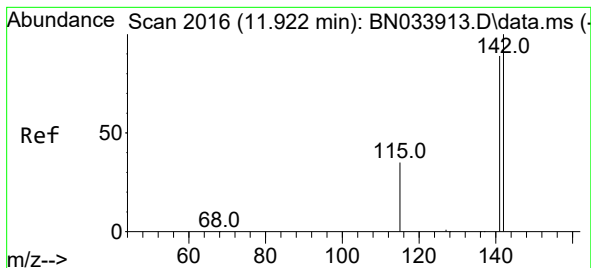
Tgt Ion: 88 Resp: 678
Ion Ratio Lower Upper
88 100
43 56.6 47.0 70.4
58 46.3 53.0 79.4#



#5
Naphthalene
Concen: 0.074 ng/ul
RT: 10.294 min Scan# 1720
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

Tgt Ion: 128 Resp: 2013
Ion Ratio Lower Upper
128 100
129 15.3 9.3 13.9#
127 17.2 10.8 16.2#





#7

2-Methylnaphthalene

Concen: 0.070 ng/ul

RT: 11.922 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

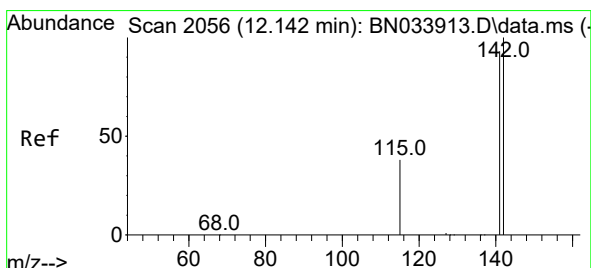
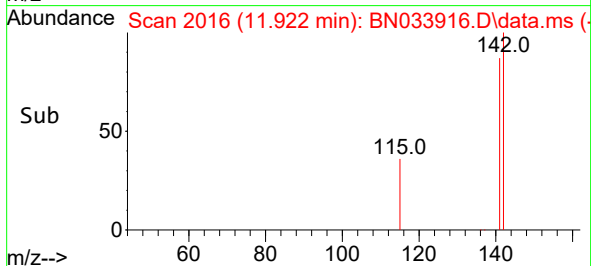
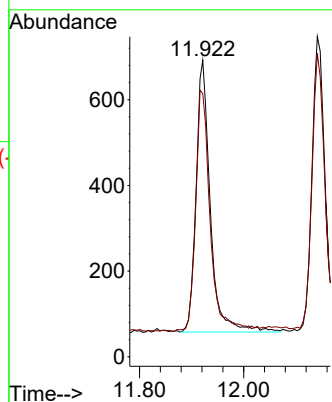
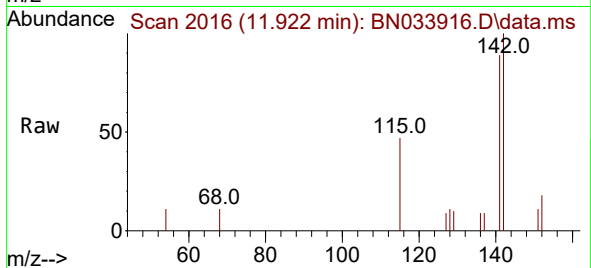
MDL-SOIL-QT3-2024-05

Tgt Ion:142 Resp: 1205

Ion Ratio Lower Upper

142 100

141 91.6 71.1 106.7



#8

1-Methylnaphthalene

Concen: 0.068 ng/ul

RT: 12.142 min Scan# 2056

Delta R.T. -0.000 min

Lab File: BN033916.D

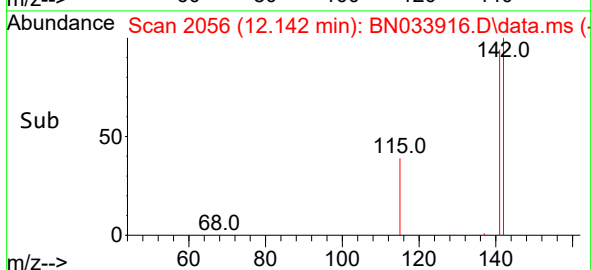
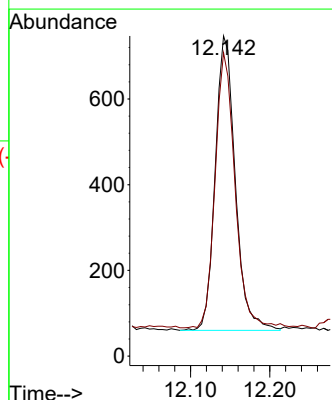
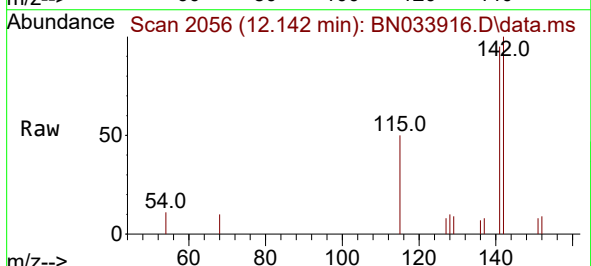
Acq: 14 Sep 2024 15:42

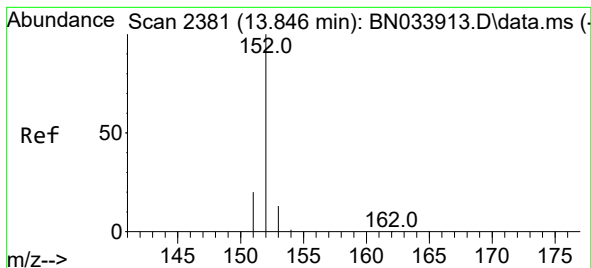
Tgt Ion:142 Resp: 1207

Ion Ratio Lower Upper

142 100

141 93.9 73.6 110.4





#10

Acenaphthylene

Concen: 0.070 ng/ul

RT: 13.846 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05

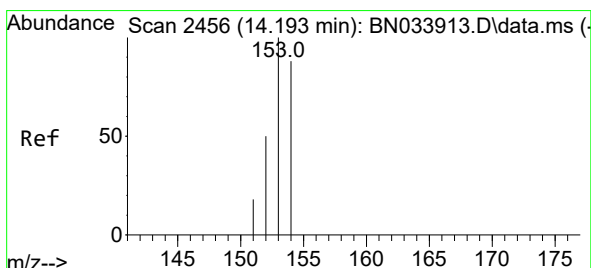
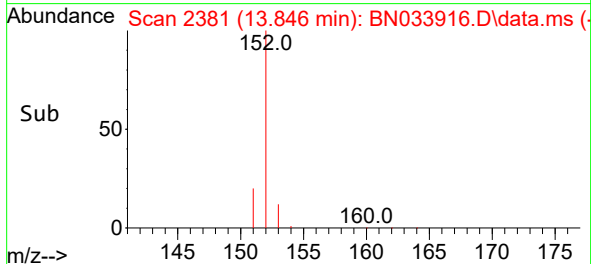
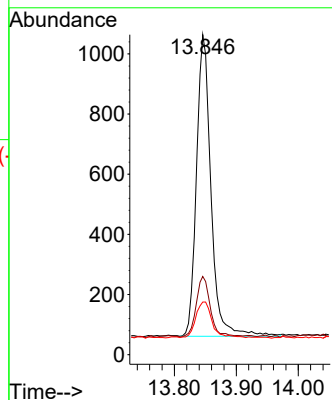
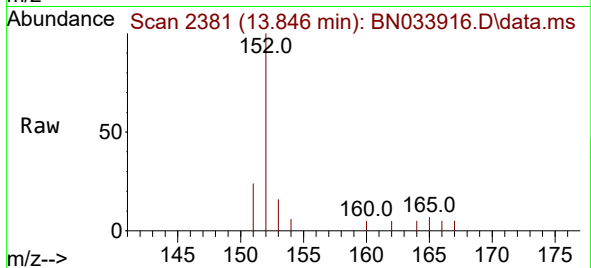
Tgt Ion:152 Resp: 1639

Ion Ratio Lower Upper

152 100

151 24.4 16.2 24.4#

153 16.4 10.8 16.2#



#11

Acenaphthene

Concen: 0.075 ng/ul

RT: 14.193 min Scan# 2456

Delta R.T. -0.000 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

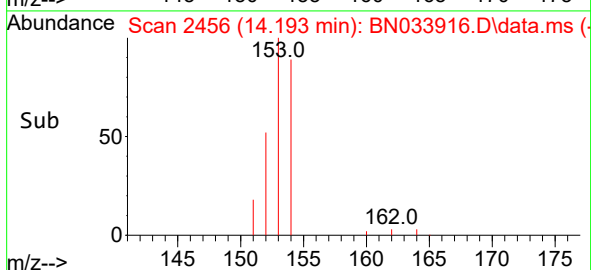
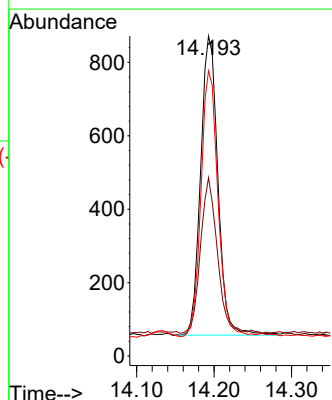
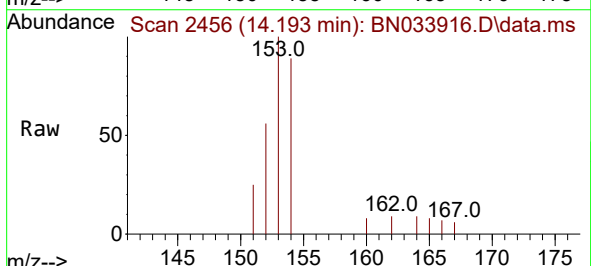
Tgt Ion:153 Resp: 1264

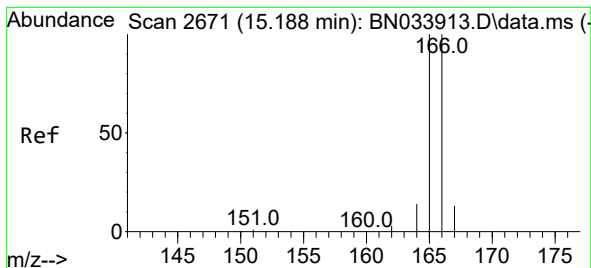
Ion Ratio Lower Upper

153 100

152 55.7 39.8 59.8

154 89.1 69.0 103.6





#12

Fluorene

Concen: 0.070 ng/ul

RT: 15.192 min Scan# 2

Delta R.T. 0.004 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05

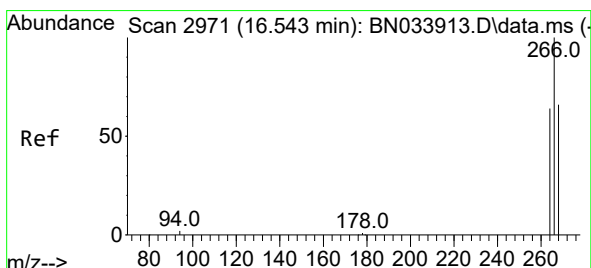
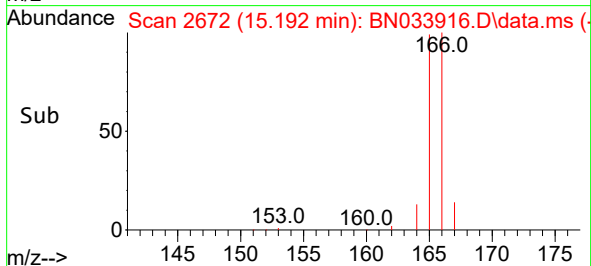
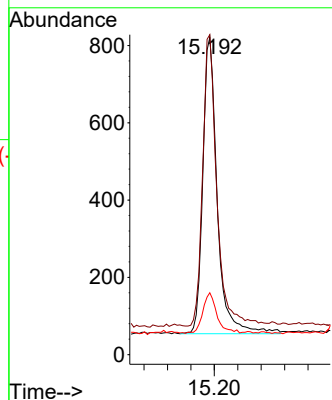
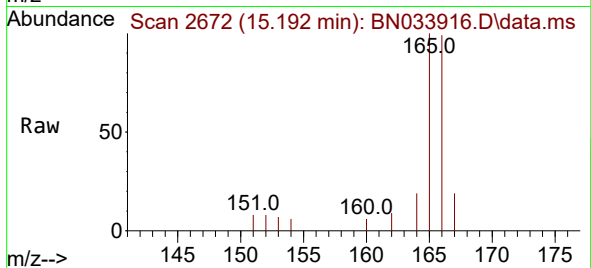
Tgt Ion:166 Resp: 1321

Ion Ratio Lower Upper

166 100

165 100.9 79.1 118.7

167 19.5 11.4 17.0#



#14

Pentachlorophenol

Concen: 0.047 ng/ul

RT: 16.547 min Scan# 2972

Delta R.T. 0.004 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

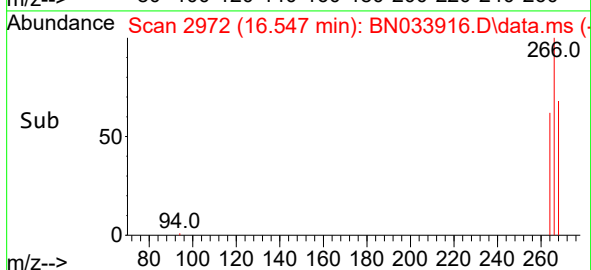
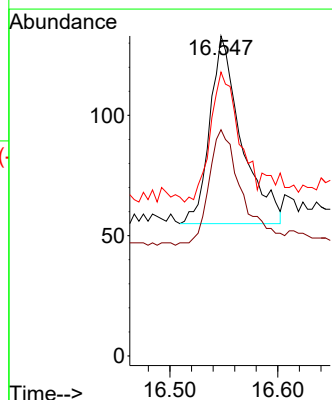
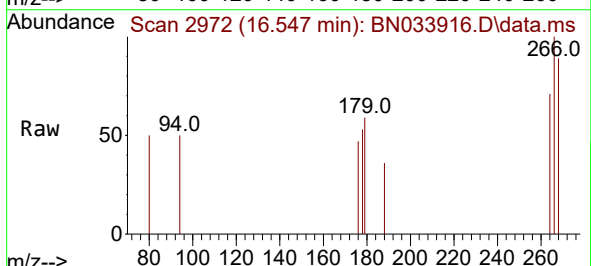
Tgt Ion:266 Resp: 158

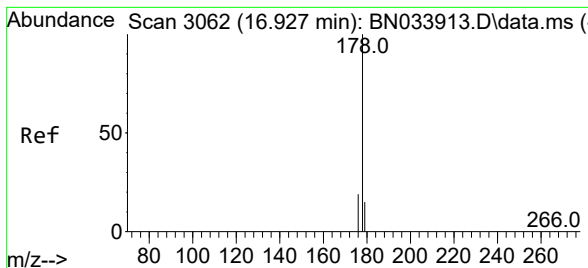
Ion Ratio Lower Upper

266 100

264 65.2 50.3 75.5

268 62.7 51.7 77.5





#15

Phenanthrene

Concen: 0.064 ng/ul

RT: 16.927 min Scan# 3062

Delta R.T. -0.000 min

Lab File: BN033916.D

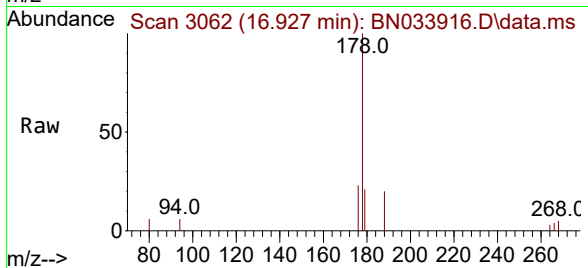
Acq: 14 Sep 2024 15:42

Instrument :

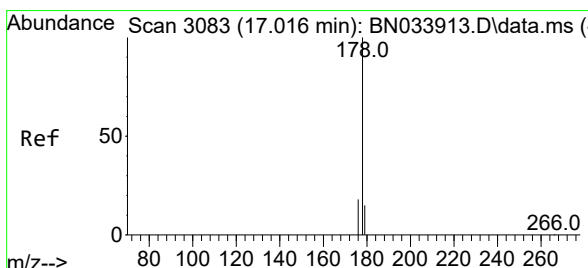
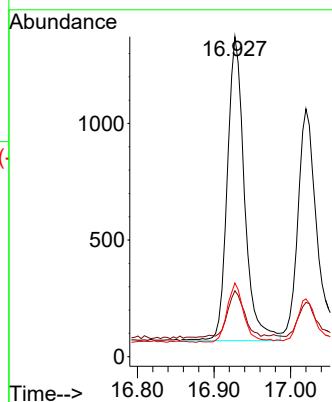
BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion:	178	Resp:	2030
Ion	Ratio	Lower	Upper
178	100		
179	20.6	12.9	19.3#
176	23.0	15.7	23.5



#16

Anthracene

Concen: 0.059 ng/ul

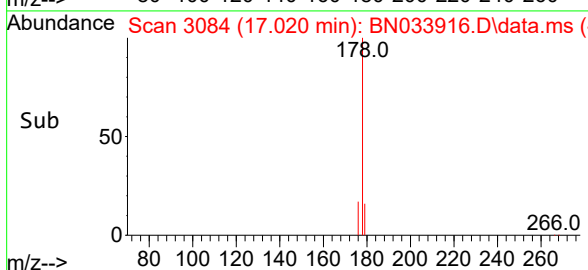
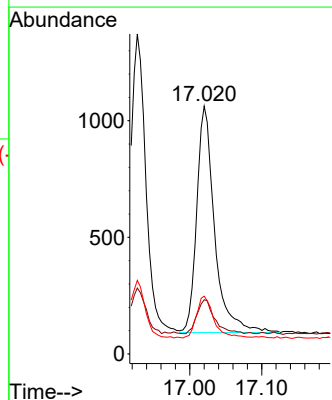
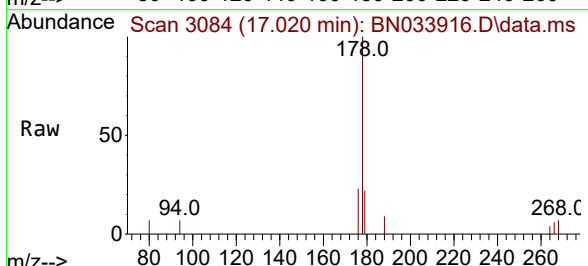
RT: 17.020 min Scan# 3084

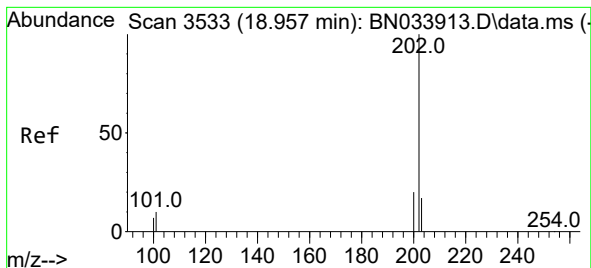
Delta R.T. 0.004 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Tgt Ion:	178	Resp:	1675
Ion	Ratio	Lower	Upper
178	100		
179	21.9	13.0	19.4#
176	23.3	15.2	22.8#





#19

Fluoranthene

Concen: 0.065 ng/ul

RT: 18.957 min Scan# 3533

Delta R.T. -0.000 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05

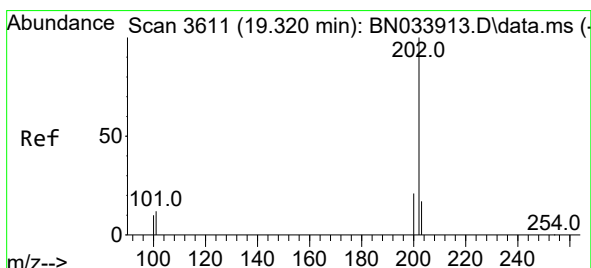
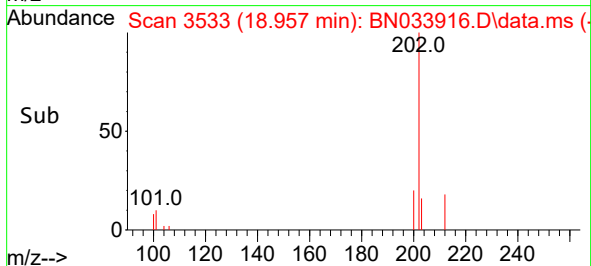
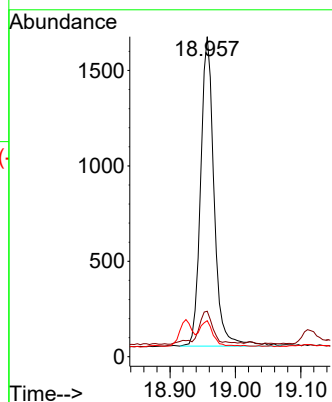
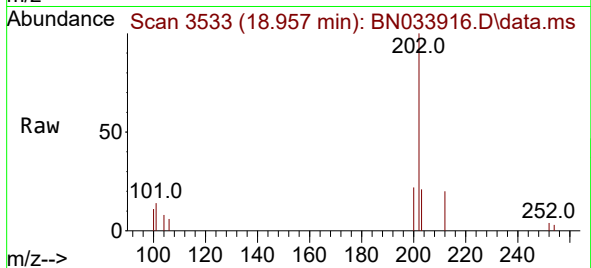
Tgt Ion:202 Resp: 2314

Ion Ratio Lower Upper

202 100

101 14.2 9.0 13.4#

100 11.3 6.7 10.1#



#20

Pyrene

Concen: 0.063 ng/ul

RT: 19.324 min Scan# 3612

Delta R.T. 0.004 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

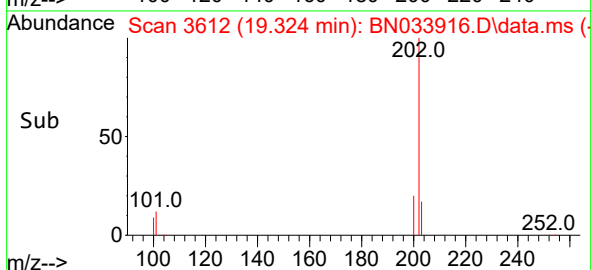
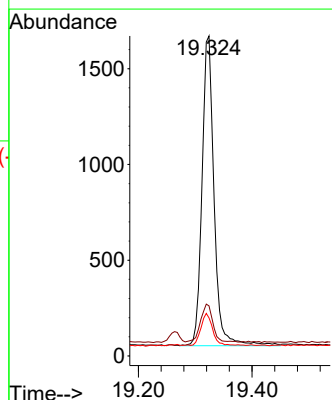
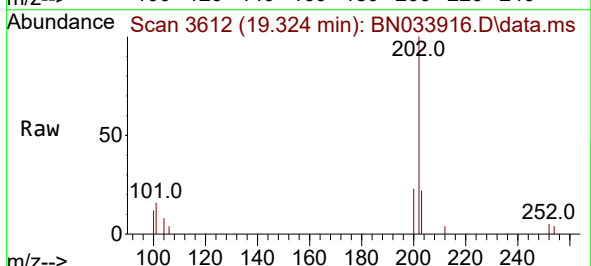
Tgt Ion:202 Resp: 2380

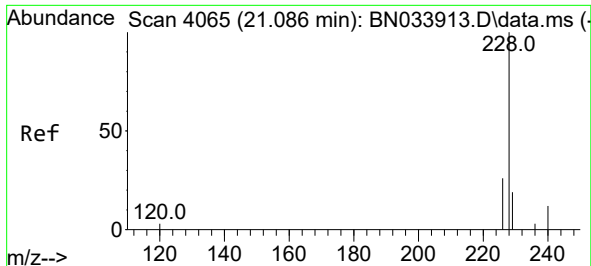
Ion Ratio Lower Upper

202 100

101 15.7 10.8 16.2

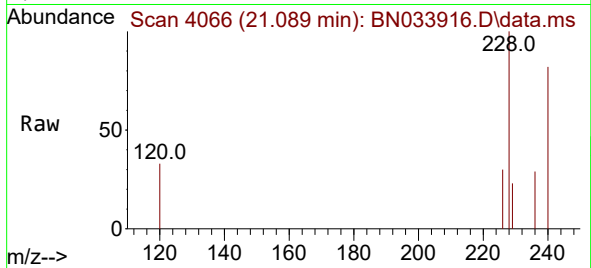
100 11.9 8.7 13.1



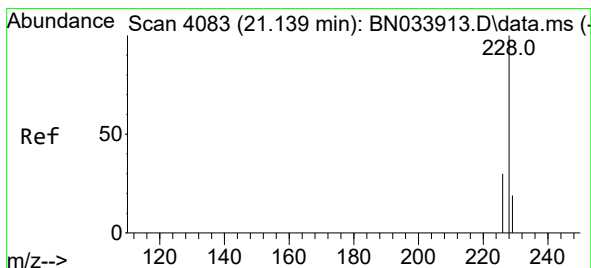
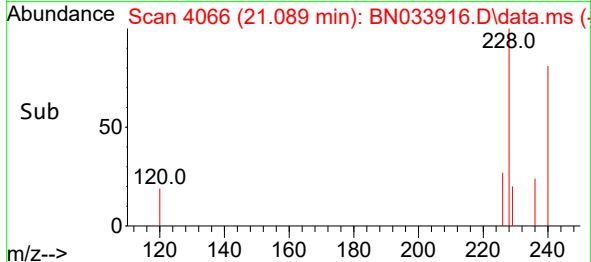
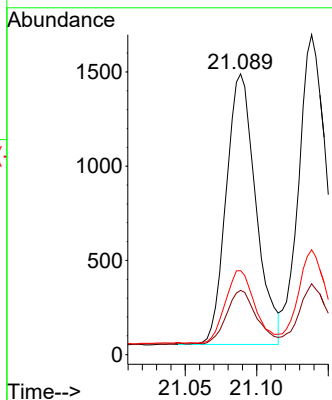


#21
Benzo(a)anthracene
Concen: 0.058 ng/ul
RT: 21.089 min Scan# 4065
Delta R.T. 0.003 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05

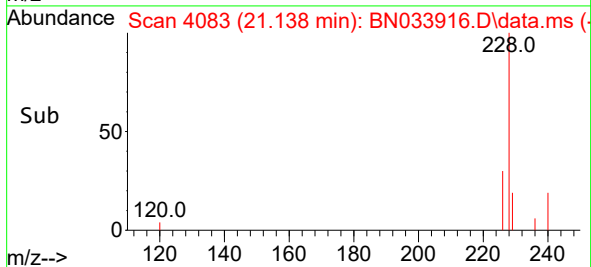
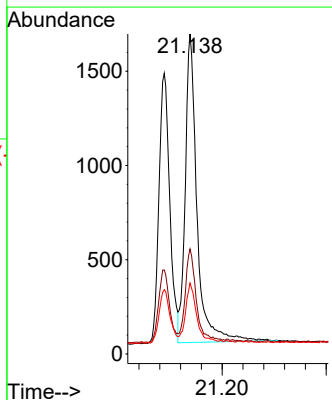
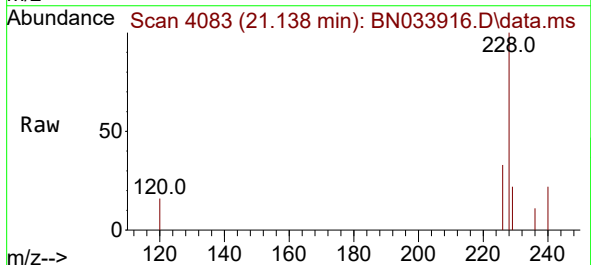


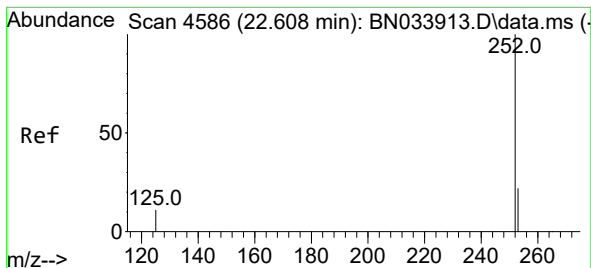
Tgt Ion:228 Resp: 2075
Ion Ratio Lower Upper
228 100
229 22.9 15.4 23.2
226 29.9 22.1 33.1



#22
Chrysene
Concen: 0.071 ng/ul
RT: 21.138 min Scan# 4083
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

Tgt Ion:228 Resp: 2560
Ion Ratio Lower Upper
228 100
226 32.8 24.2 36.2
229 22.1 15.6 23.4





#24

Benzo(b)fluoranthene

Concen: 0.061 ng/ul

RT: 22.614 min Scan# 4588

Delta R.T. 0.006 min

Lab File: BN033916.D

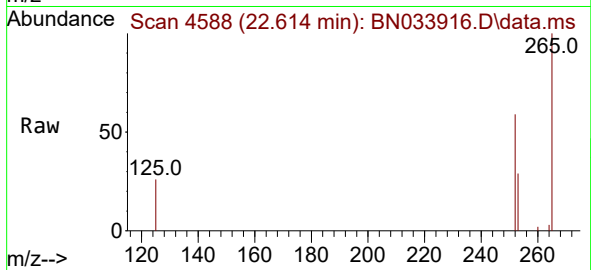
Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05



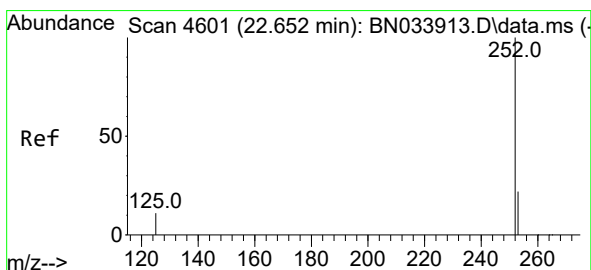
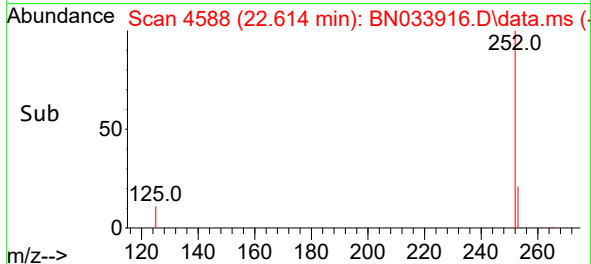
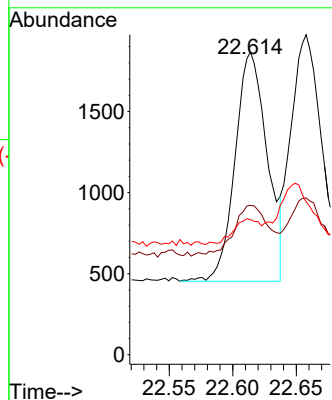
Tgt Ion:252 Resp: 2497

Ion Ratio Lower Upper

252 100

253 49.3 0.0 52.8

125 44.6 0.0 36.4#



#25

Benzo(k)fluoranthene

Concen: 0.070 ng/ul

RT: 22.658 min Scan# 4603

Delta R.T. 0.006 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

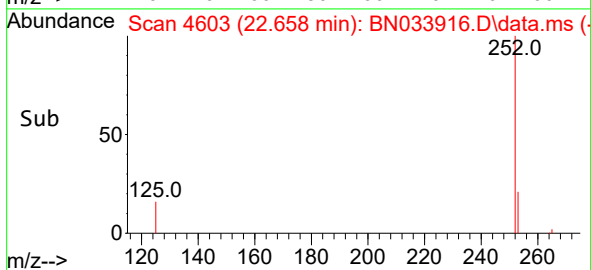
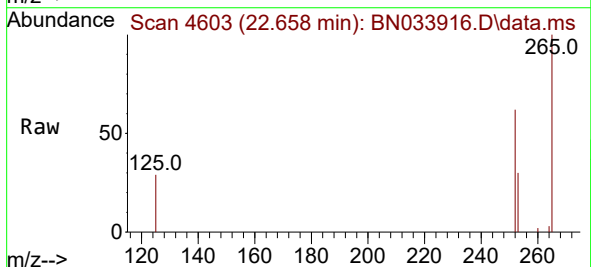
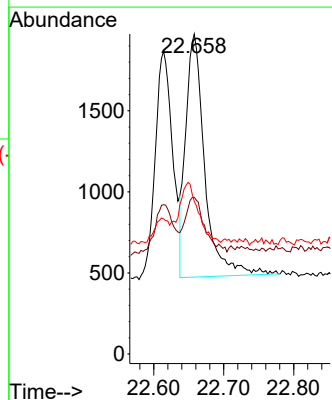
Tgt Ion:252 Resp: 2831

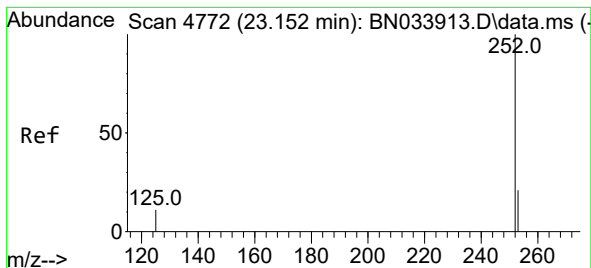
Ion Ratio Lower Upper

252 100

253 48.9 21.4 32.0#

125 47.7 15.1 22.7#





#26

Benzo(a)pyrene

Concen: 0.070 ng/ul

RT: 23.155 min Scan# 41

Delta R.T. 0.003 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT3-2024-05

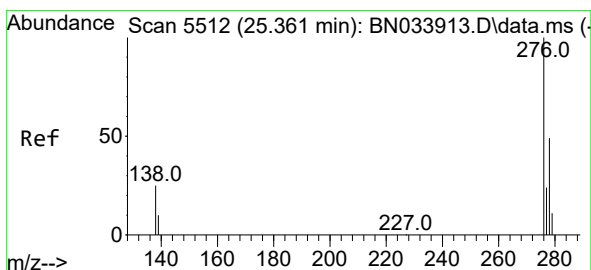
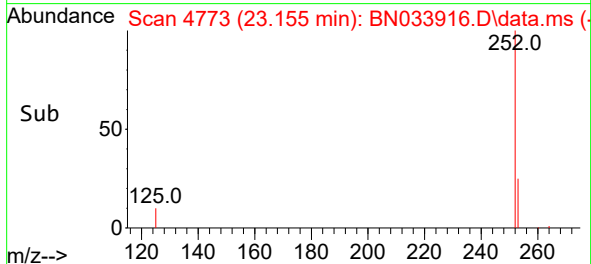
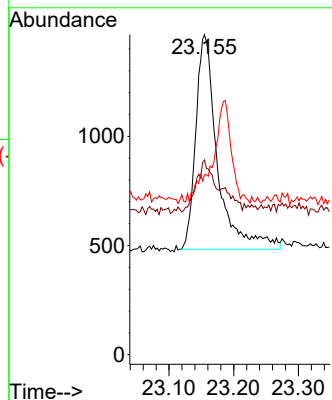
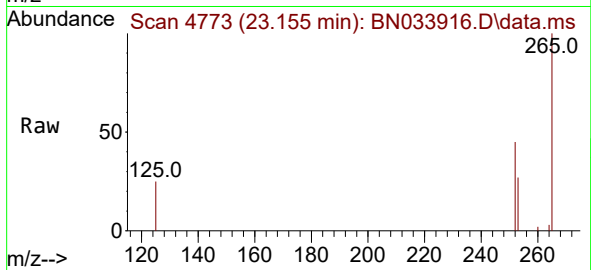
Tgt Ion:252 Resp: 2301

Ion Ratio Lower Upper

252 100

253 60.8 22.8 34.2#

125 56.2 18.0 27.0#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.062 ng/ul

RT: 25.371 min Scan# 5515

Delta R.T. 0.010 min

Lab File: BN033916.D

Acq: 14 Sep 2024 15:42

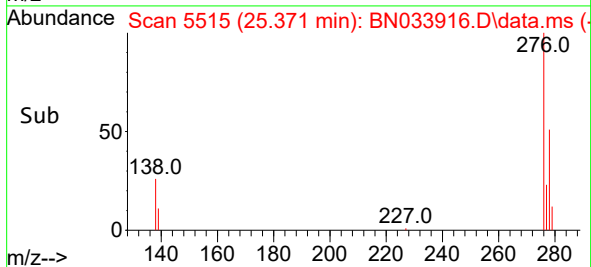
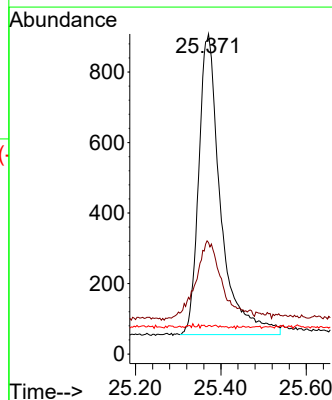
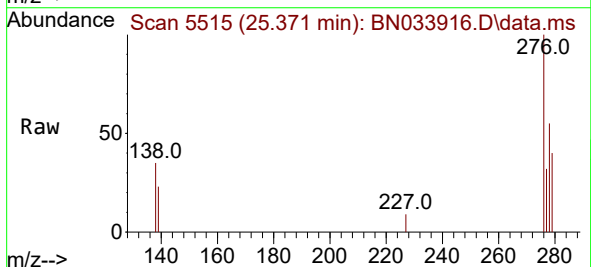
Tgt Ion:276 Resp: 3038

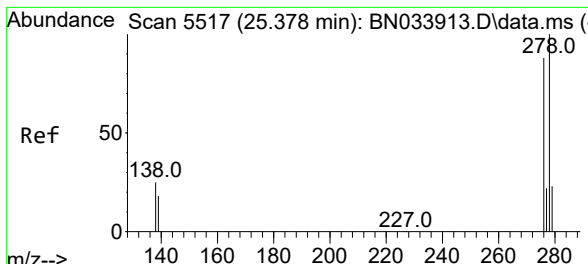
Ion Ratio Lower Upper

276 100

138 32.4 22.3 33.5

227 0.1 0.2 0.4#

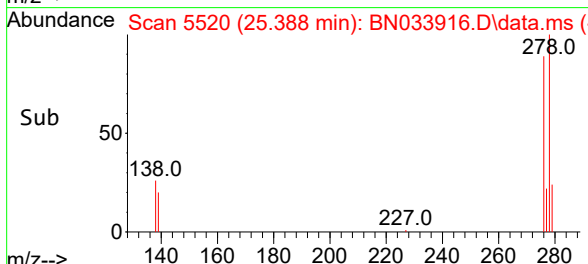
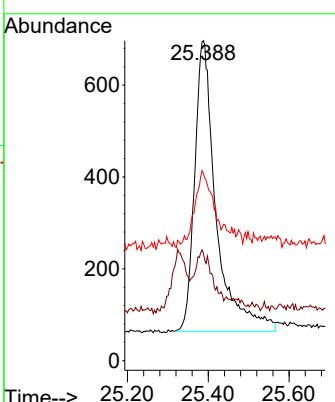
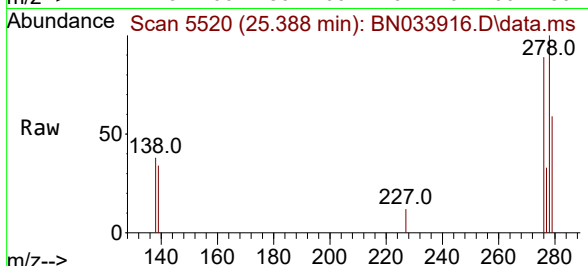




#28
 Dibenzo(a,h)anthracene
 Concen: 0.061 ng/ul
 RT: 25.388 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: BN033916.D
 Acq: 14 Sep 2024 15:42

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT3-2024-05

Tgt Ion:	278	Resp:	2339
Ion Ratio	Lower	Upper	
278	100		
139	33.6	17.3	25.9#
279	58.5	21.5	32.3#



#29
 Benzo(g,h,i)perylene
 Concen: 0.069 ng/ul
 RT: 26.012 min Scan# 5706
 Delta R.T. 0.010 min
 Lab File: BN033916.D
 Acq: 14 Sep 2024 15:42

Tgt Ion:	276	Resp:	2626
Ion Ratio	Lower	Upper	
276	100		
138	33.3	20.8	31.2#
277	33.3	20.2	30.4#

