

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031623\
 Data File : BN024308.D
 Acq On : 16 Mar 2023 12:27
 Operator : CG/JU
 Sample : 01627-03
 Misc : MDL-MDL-SOIL 0.2ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 17 04:41:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 04:37:08 2023
 Response via : Initial Calibration

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

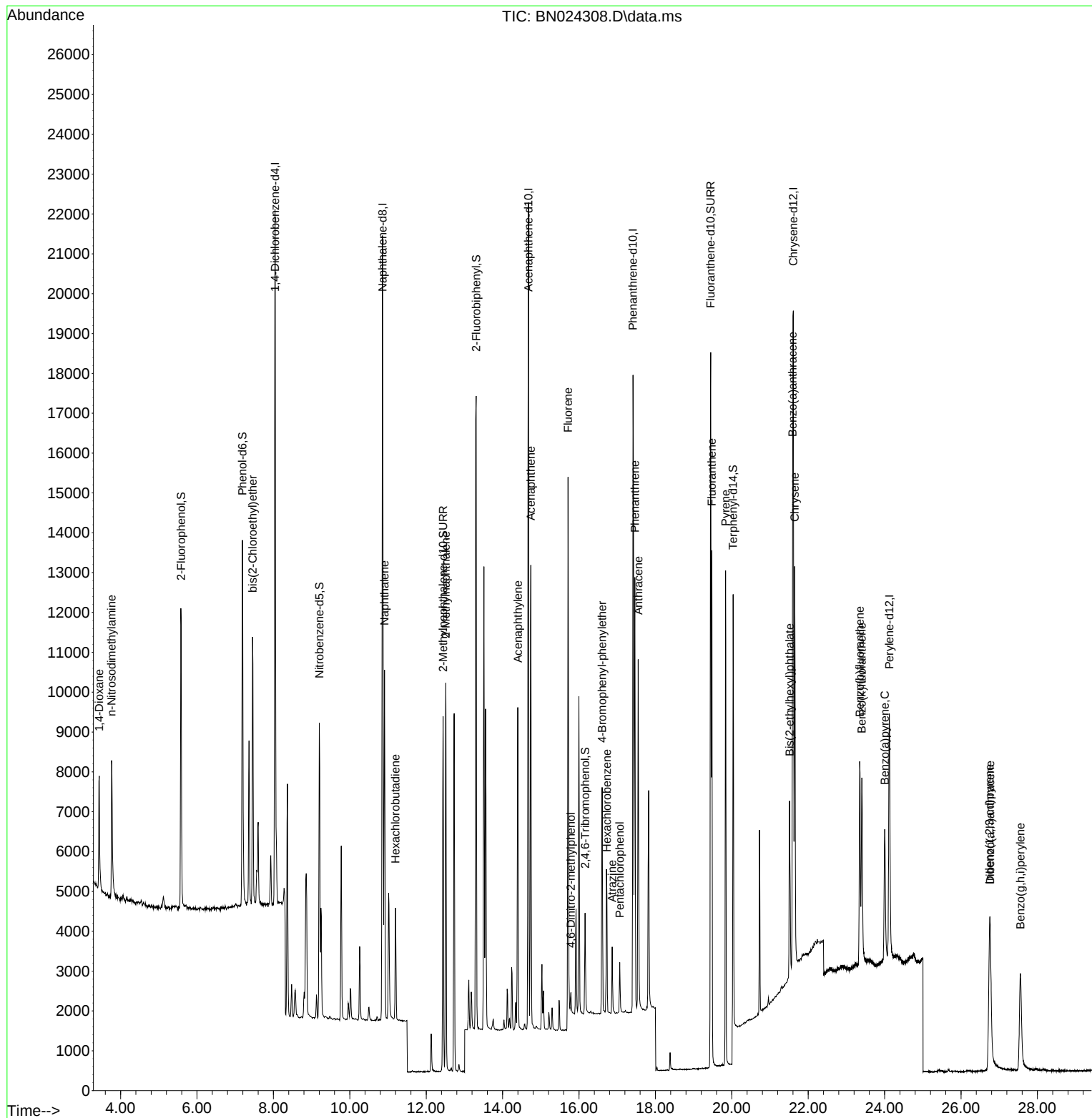
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.040	152	8601	0.400	ng	0.00
7) Naphthalene-d8	10.855	136	24402	0.400	ng	# 0.00
13) Acenaphthene-d10	14.675	164	11040	0.400	ng	0.00
19) Phenanthrene-d10	17.413	188	22149	0.400	ng	# 0.00
29) Chrysene-d12	21.610	240	14433	0.400	ng	0.00
35) Perylene-d12	24.123	264	10746	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.584	112	6166	0.324	ng	0.00
5) Phenol-d6	7.188	99	8122	0.332	ng	0.00
8) Nitrobenzene-d5	9.200	82	5944	0.365	ng	0.00
11) 2-Methylnaphthalene-d10	12.440	152	11914	0.397	ng	0.00
14) 2,4,6-Tribromophenol	16.159	330	1382	0.245	ng	0.00
15) 2-Fluorobiphenyl	13.307	172	14630	0.351	ng	0.00
27) Fluoranthene-d10	19.446	212	18408	0.392	ng	0.00
31) Terphenyl-d14	20.033	244	8179	0.336	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.439	88	1936	0.207	ng	94
3) n-Nitrosodimethylamine	3.764	42	2806	0.205	ng	91
6) bis(2-Chloroethyl)ether	7.455	93	4597	0.189	ng	95
9) Naphthalene	10.909	128	11196	0.180	ng	98
10) Hexachlorobutadiene	11.197	225	2170	0.184	ng	# 99
12) 2-Methylnaphthalene	12.512	142	6633	0.158	ng	99
16) Acenaphthylene	14.397	152	8735	0.167	ng	100
17) Acenaphthene	14.739	154	5697	0.171	ng	95
18) Fluorene	15.712	166	6259	0.157	ng	98
20) 4,6-Dinitro-2-methylph...	15.787	198	273	0.244	ng	# 44
21) 4-Bromophenyl-phenylether	16.606	248	2015	0.153	ng	# 82
22) Hexachlorobenzene	16.730	284	2910	0.180	ng	96
23) Atrazine	16.867	200	1261	0.151	ng	# 91
24) Pentachlorophenol	17.065	266	609	0.190	ng	98
25) Phenanthrene	17.462	178	11282	0.172	ng	99
26) Anthracene	17.549	178	9221	0.152	ng	99
28) Fluoranthene	19.475	202	11047	0.154	ng	98
30) Pyrene	19.838	202	10875	0.186	ng	100
32) Benzo(a)anthracene	21.592	228	7869	0.163	ng	100
33) Chrysene	21.646	228	9119	0.177	ng	99
34) Bis(2-ethylhexyl)phtha...	21.511	149	3992	0.176	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.743	276	6502	0.162	ng	97
37) Benzo(b)fluoranthene	23.348	252	7714	0.185	ng	# 83
38) Benzo(k)fluoranthene	23.404	252	7335	0.170	ng	# 83
39) Benzo(a)pyrene	24.003	252	5857	0.153	ng	# 71
40) Dibenzo(a,h)anthracene	26.766	278	4711	0.151	ng	# 84
41) Benzo(g,h,i)perylene	27.553	276	6151	0.169	ng	92

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

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Sample : 01627-03
Misc : MDL-MDL-SOIL 0.2ng
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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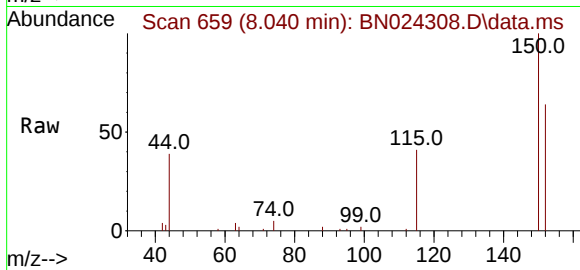
Quant Time: Mar 17 04:41:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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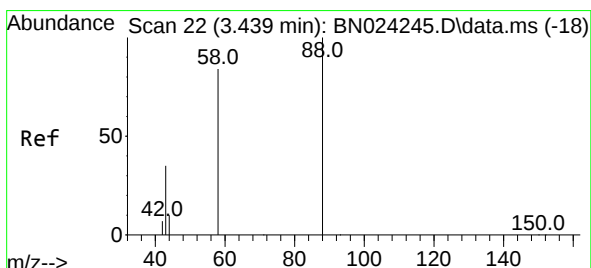
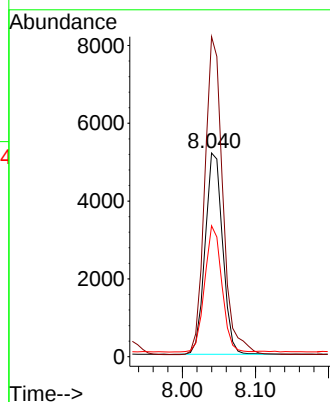
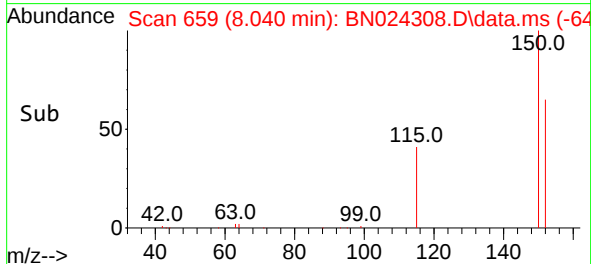


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.040 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN024308.D
 Acq: 16 Mar 2023 12:27

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

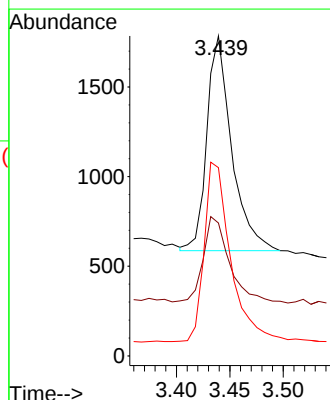
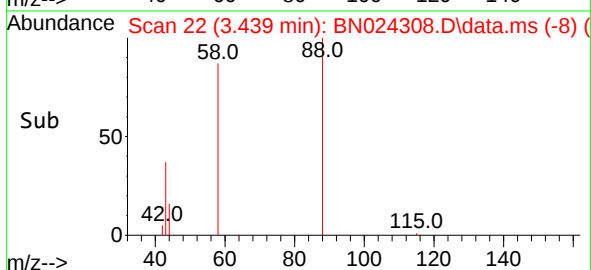
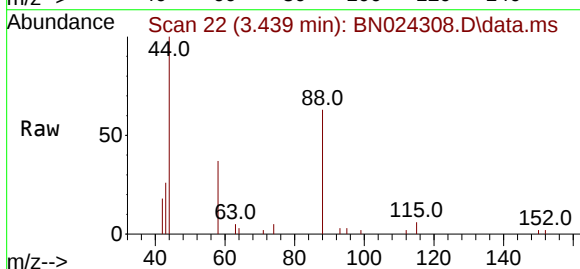


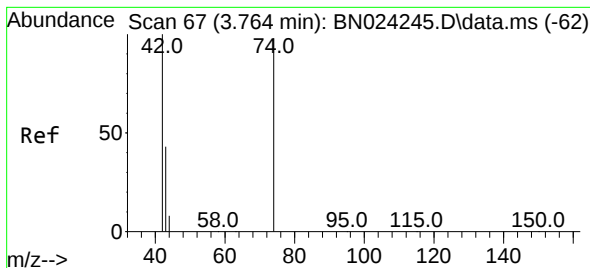
Tgt Ion: 152 Resp: 8601
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.7 187.1
 115 64.2 49.1 73.7



#2
 1,4-Dioxane
 Concen: 0.207 ng
 RT: 3.439 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN024308.D
 Acq: 16 Mar 2023 12:27

Tgt Ion: 88 Resp: 1936
 Ion Ratio Lower Upper
 88 100
 43 41.3 29.0 43.4
 58 88.7 67.3 100.9





#3

n-Nitrosodimethylamine

Concen: 0.205 ng

RT: 3.764 min Scan# 61

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

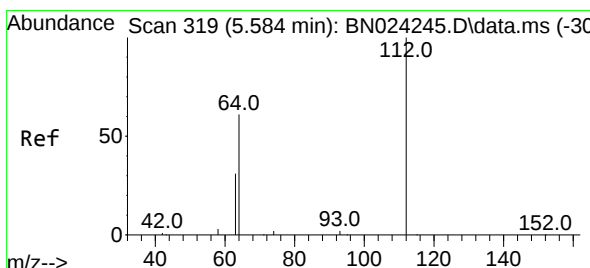
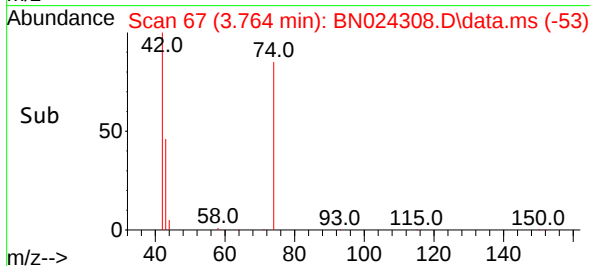
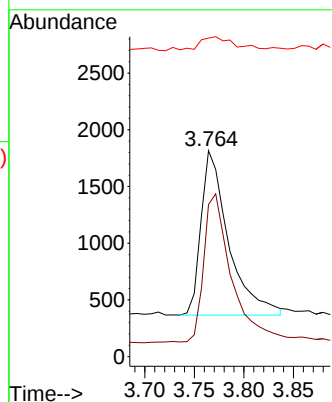
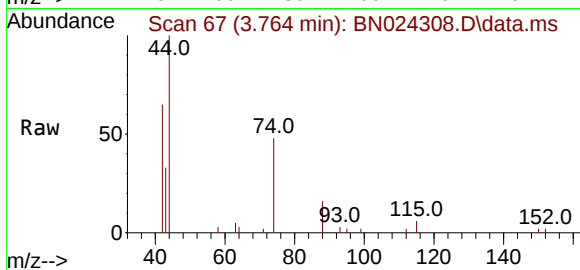
Tgt Ion: 42 Resp: 2806

Ion Ratio Lower Upper

42 100

74 91.9 81.6 122.4

44 10.3 7.3 10.9



#4

2-Fluorophenol

Concen: 0.324 ng

RT: 5.584 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

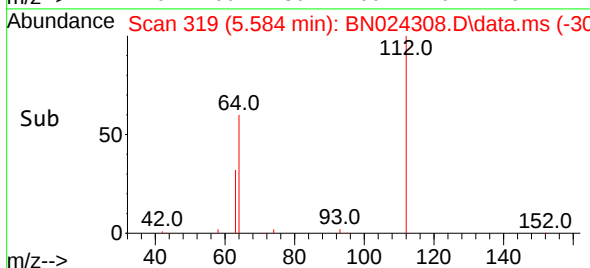
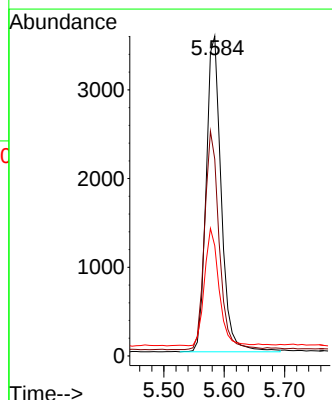
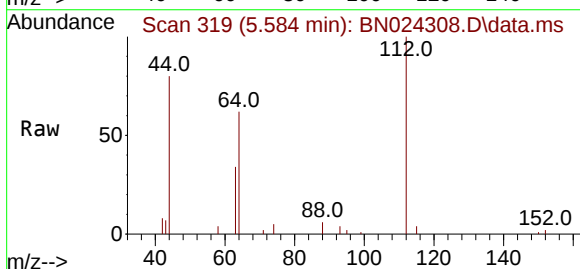
Tgt Ion: 112 Resp: 6166

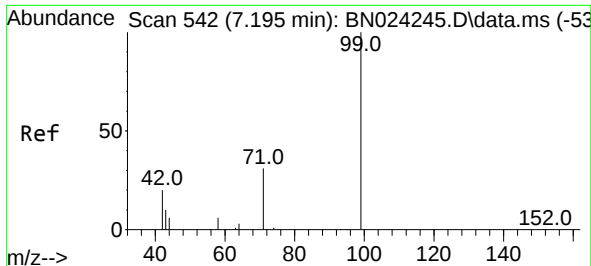
Ion Ratio Lower Upper

112 100

64 67.2 49.0 73.6

63 35.6 25.7 38.5

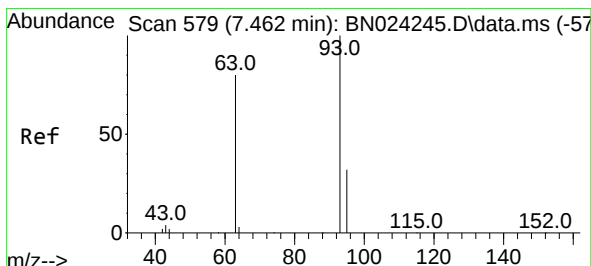
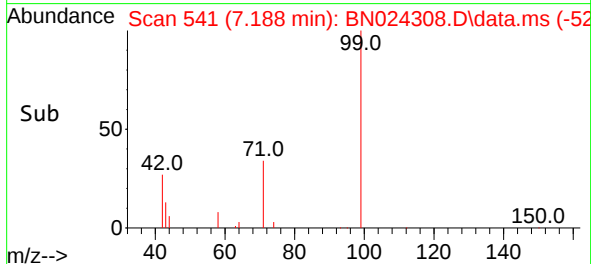
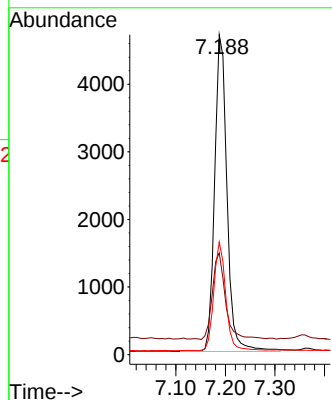
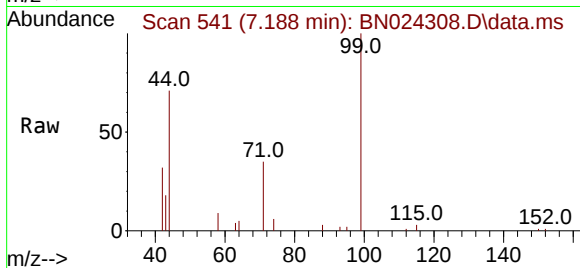




#5
Phenol-d6
Concen: 0.332 ng
RT: 7.188 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

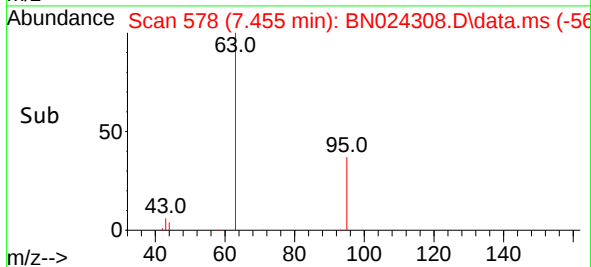
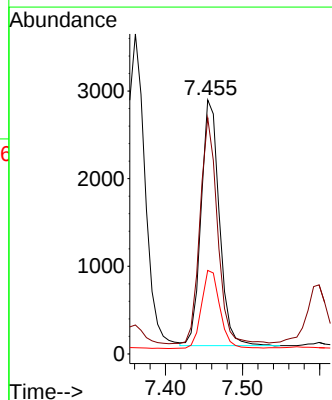
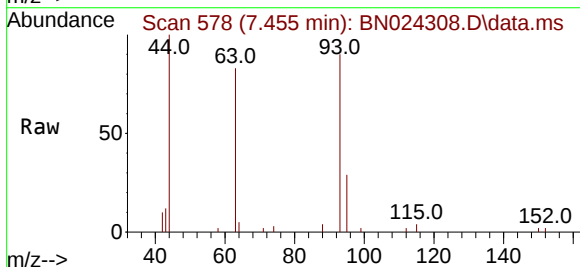
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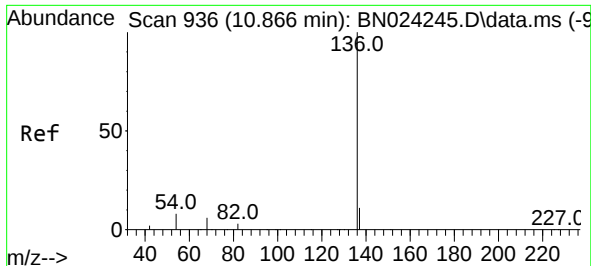
Tgt Ion:	99	Resp:	8122
Ion	Ratio	Lower	Upper
99	100		
42	28.0	20.1	30.1
71	33.7	25.8	38.8



#6
bis(2-Chloroethyl)ether
Concen: 0.189 ng
RT: 7.455 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:	93	Resp:	4597
Ion	Ratio	Lower	Upper
93	100		
63	88.3	65.4	98.2
95	32.3	25.8	38.8

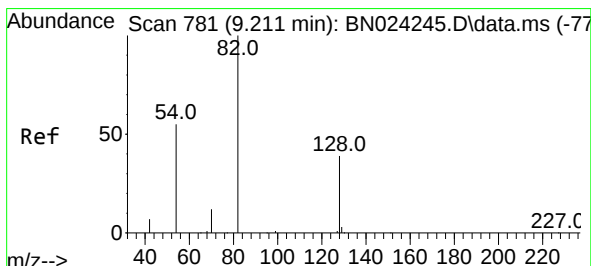
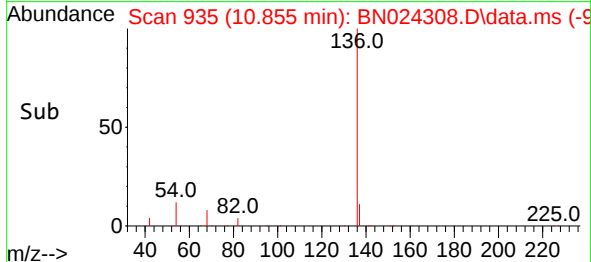
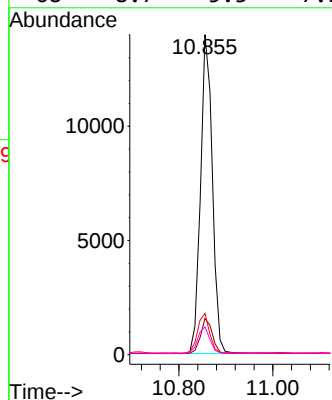
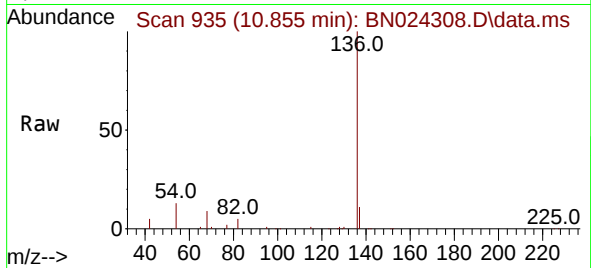




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.855 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

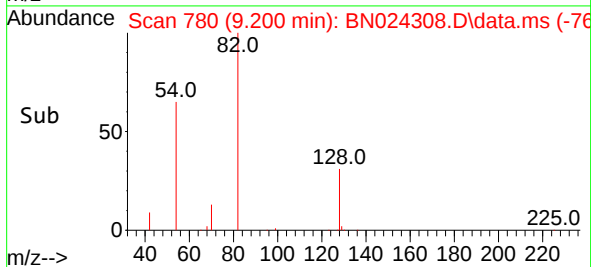
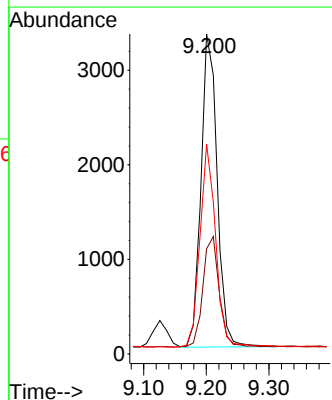
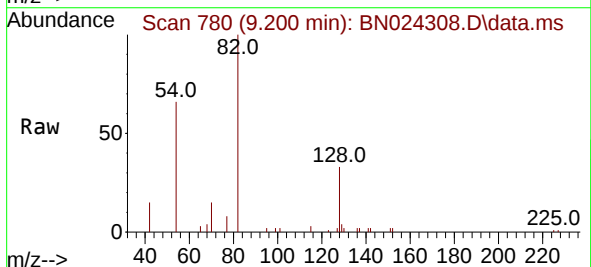
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

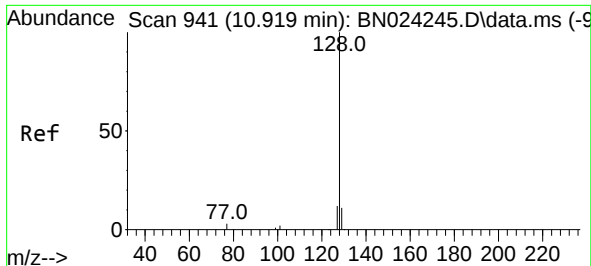
Tgt Ion:	136	Resp:	24402
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	12.9	7.1	10.7#
68	8.7	5.3	7.9#



#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 9.200 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:	82	Resp:	5944
Ion Ratio	Lower	Upper	
82	100		
128	32.9	32.4	48.6
54	65.6	45.2	67.8

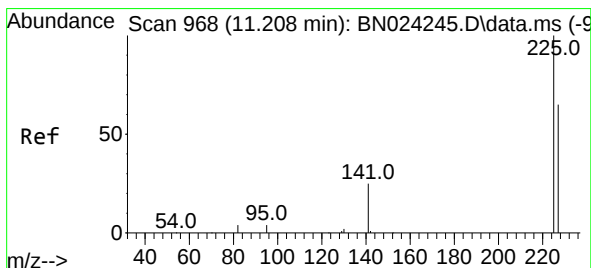
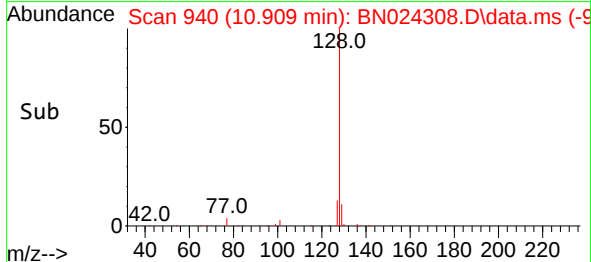
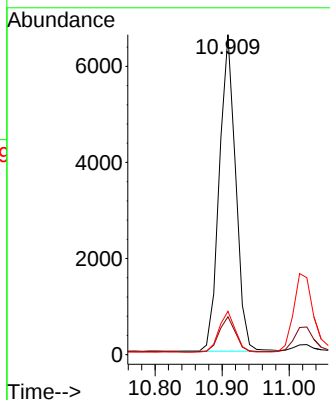
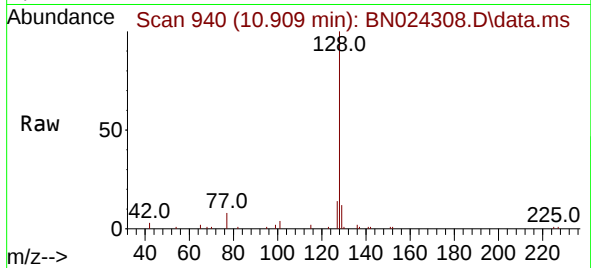




#9
Naphthalene
Concen: 0.180 ng
RT: 10.909 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

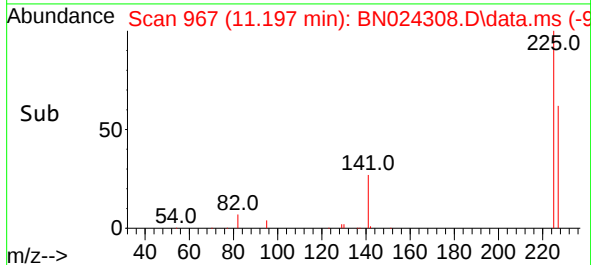
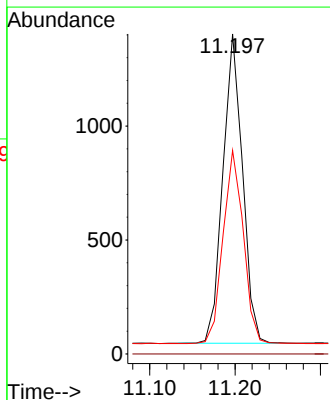
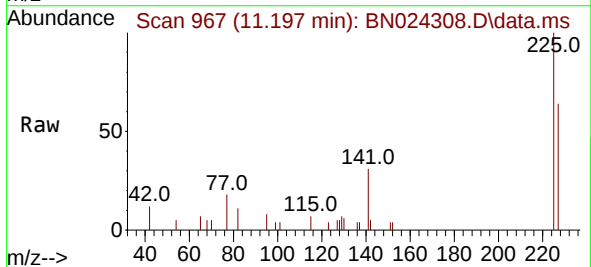
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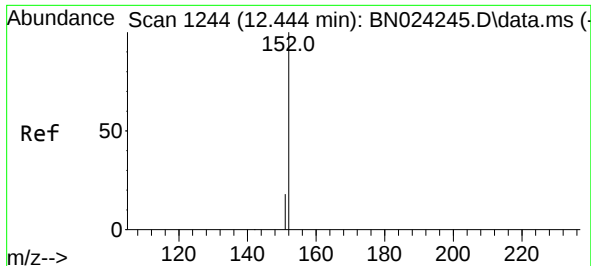
Tgt Ion:	128	Resp:	11196
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.0	13.6
127	13.5	10.2	15.4



#10
Hexachlorobutadiene
Concen: 0.184 ng
RT: 11.197 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:	225	Resp:	2170
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	64.3	51.0	76.4





#11

2-Methylnaphthalene-d10

Concen: 0.397 ng

RT: 12.440 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

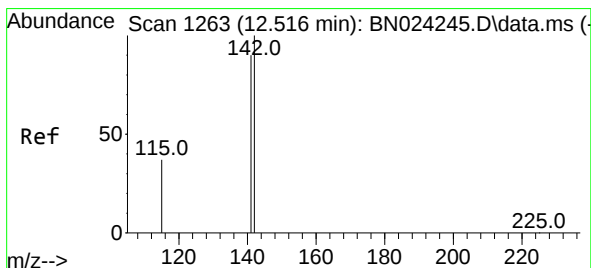
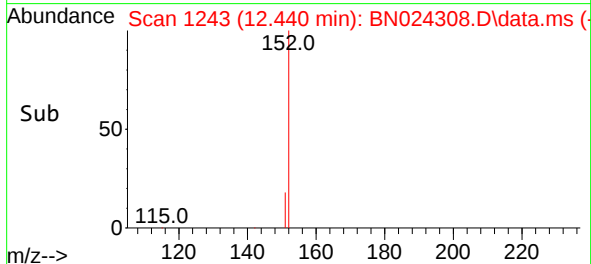
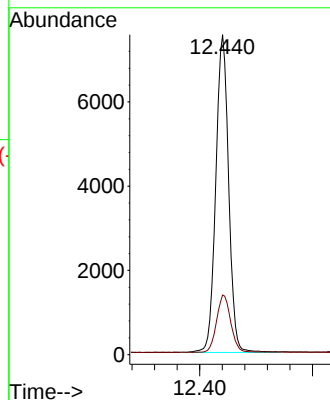
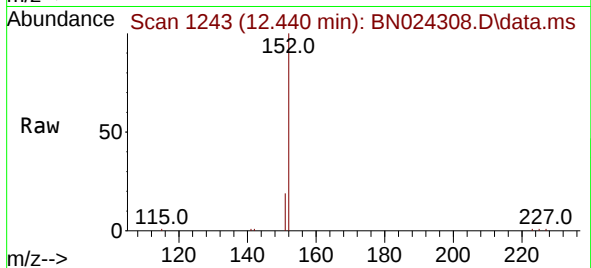
MDL-SOIL-03-QT1-2022

Tgt Ion:152 Resp: 11914

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2



#12

2-Methylnaphthalene

Concen: 0.158 ng

RT: 12.512 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

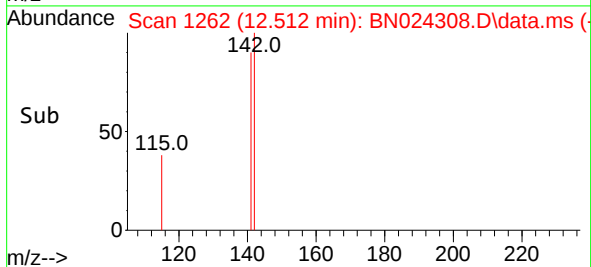
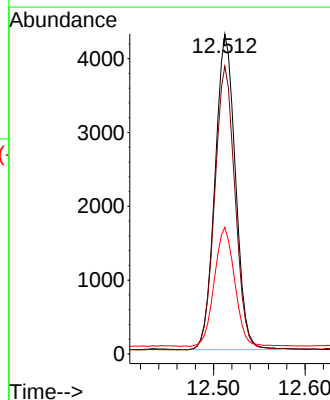
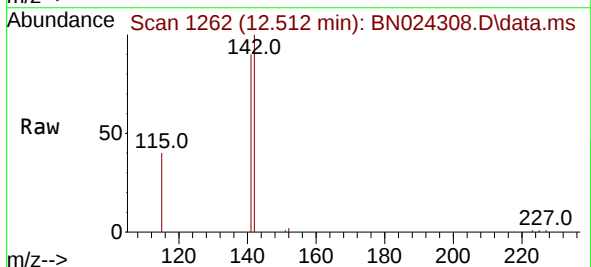
Tgt Ion:142 Resp: 6633

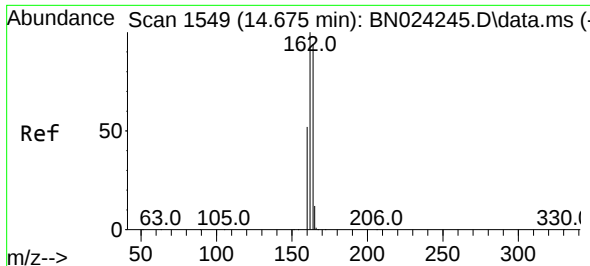
Ion Ratio Lower Upper

142 100

141 89.9 71.8 107.6

115 39.6 30.0 45.0

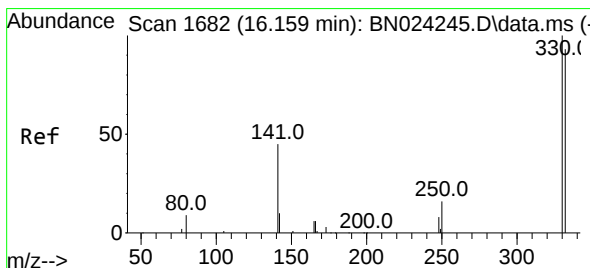
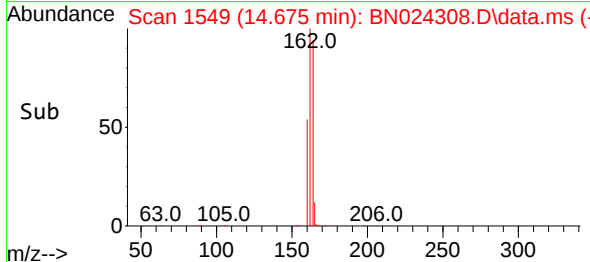
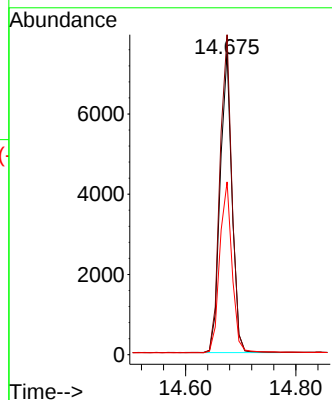
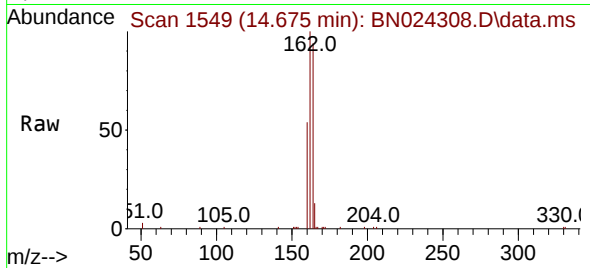




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.675 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

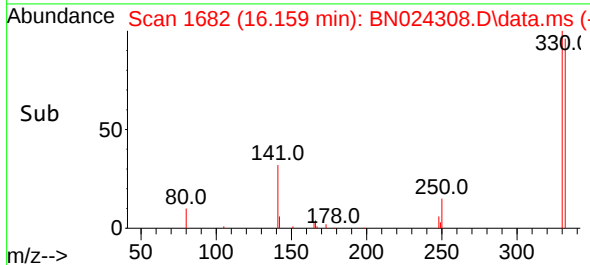
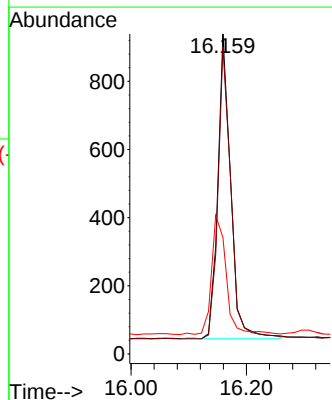
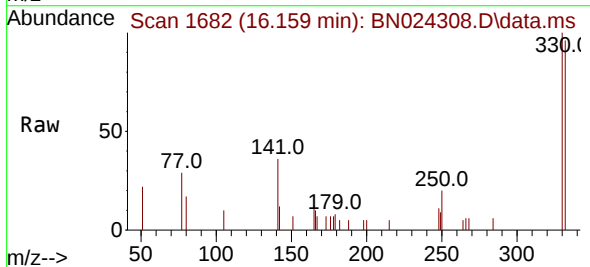
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BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

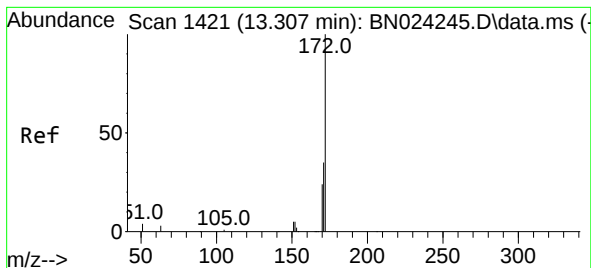
Tgt Ion:164 Resp: 11040
Ion Ratio Lower Upper
164 100
162 106.1 84.7 127.1
160 57.3 44.6 66.8



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 16.159 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:330 Resp: 1382
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 44.8 30.8 46.2





#15

2-Fluorobiphenyl

Concen: 0.351 ng

RT: 13.307 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

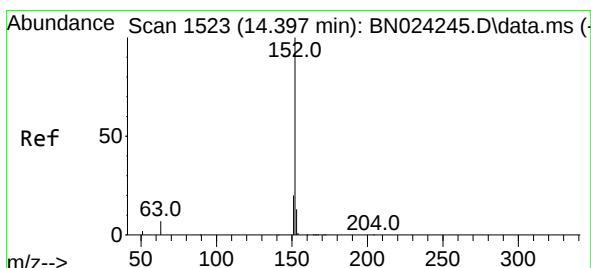
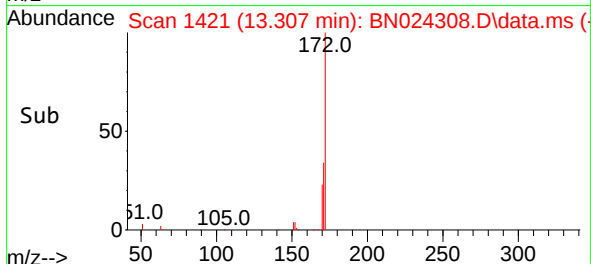
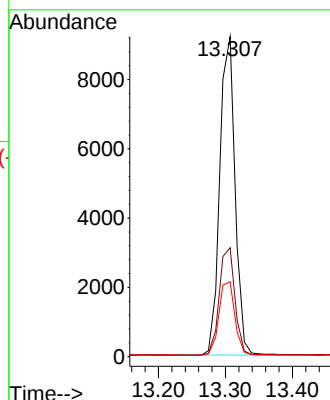
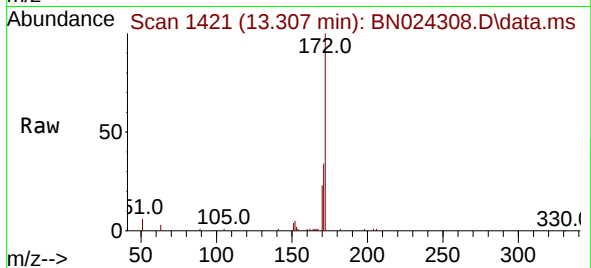
Tgt Ion:172 Resp: 14630

Ion Ratio Lower Upper

172 100

171 34.1 27.8 41.8

170 23.4 19.0 28.6



#16

Acenaphthylene

Concen: 0.167 ng

RT: 14.397 min Scan# 1523

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

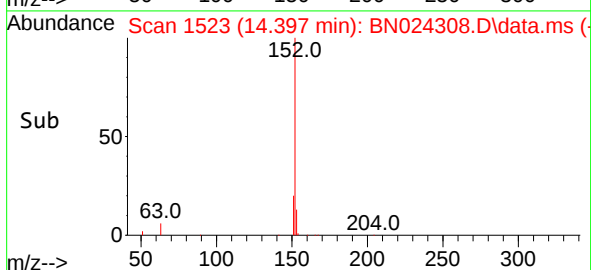
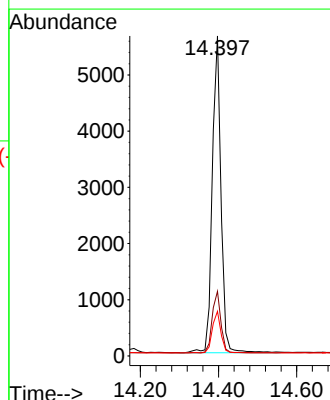
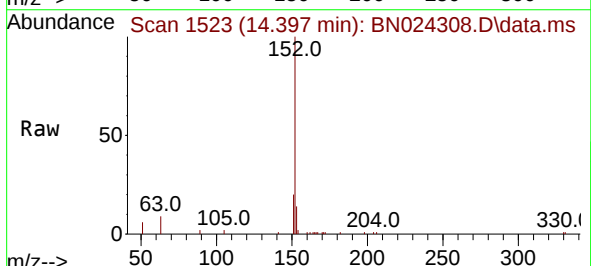
Tgt Ion:152 Resp: 8735

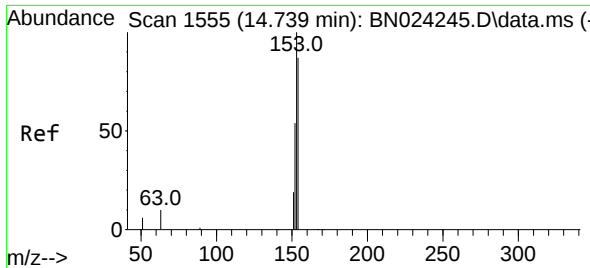
Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.0

153 13.1 10.4 15.6

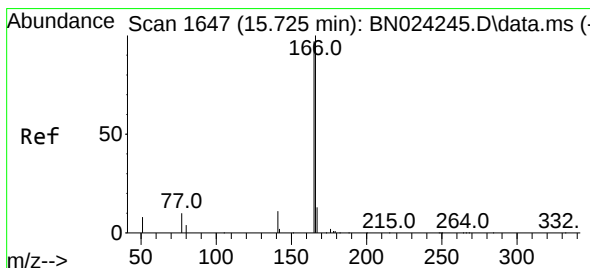
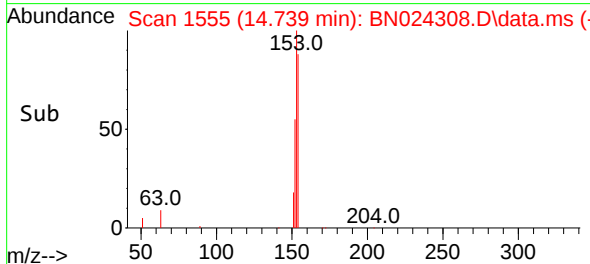
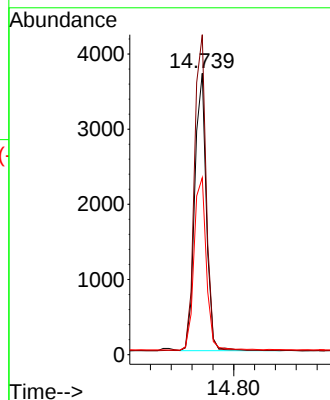
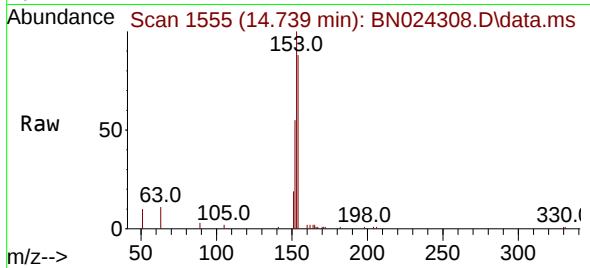




#17
Acenaphthene
Concen: 0.171 ng
RT: 14.739 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

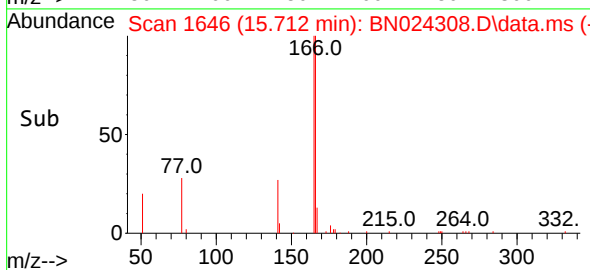
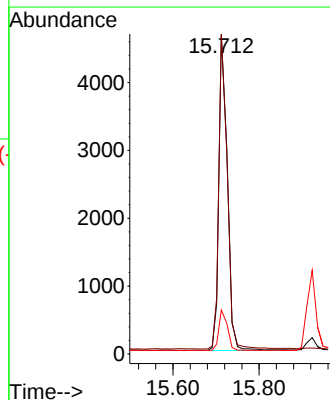
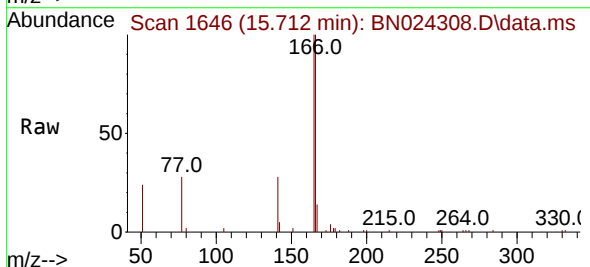
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

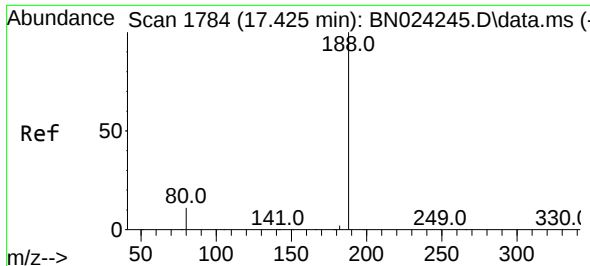
Tgt Ion:154 Resp: 5697
Ion Ratio Lower Upper
154 100
153 115.4 88.4 132.6
152 66.1 48.7 73.1



#18
Fluorene
Concen: 0.157 ng
RT: 15.712 min Scan# 1646
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:166 Resp: 6259
Ion Ratio Lower Upper
166 100
165 101.9 80.2 120.2
167 12.9 10.8 16.2

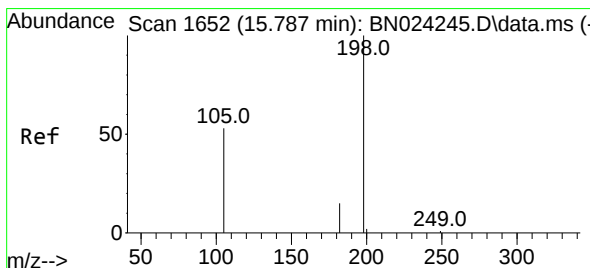
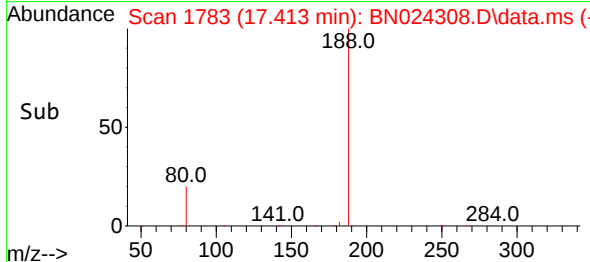
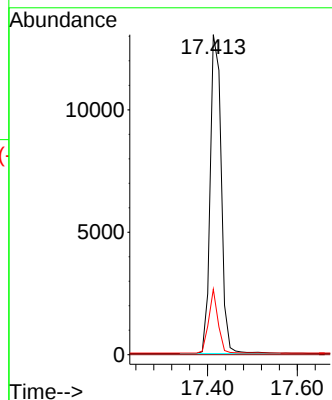
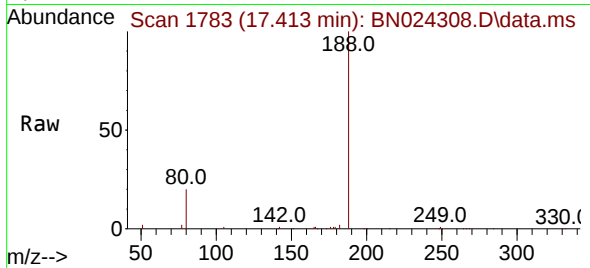




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.413 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

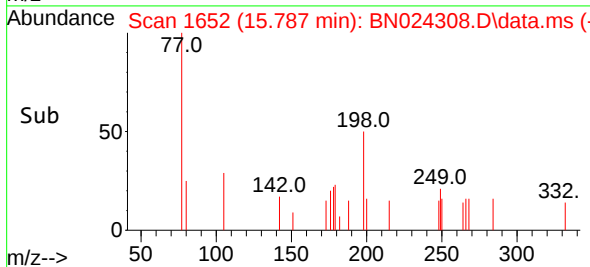
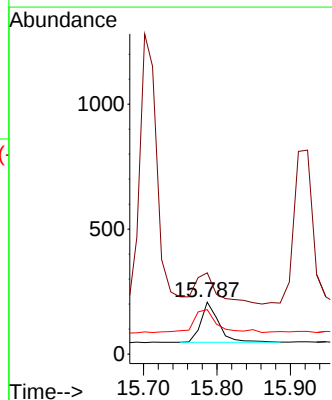
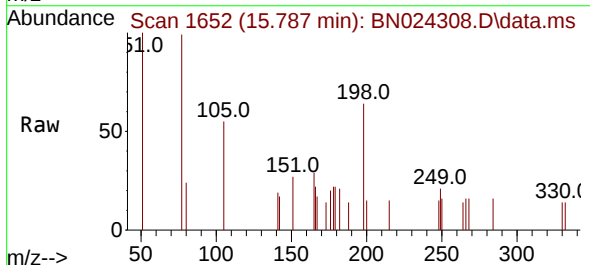
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

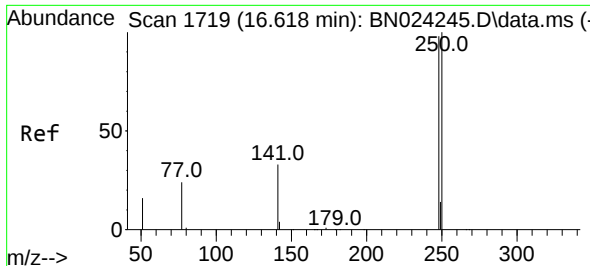
Tgt Ion:188 Resp: 22149
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 20.5 8.9 13.3#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.244 ng
RT: 15.787 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:198 Resp: 273
Ion Ratio Lower Upper
198 100
51 156.3 68.2 102.2#
105 85.6 51.6 77.4#





#21

4-Bromophenyl-phenylether

Concen: 0.153 ng

RT: 16.606 min Scan# 1718

Delta R.T. 0.000 min

Lab File: BN024308.D

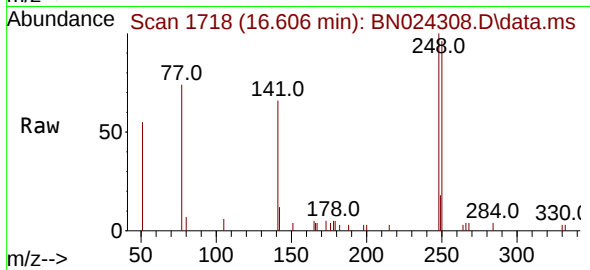
Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022



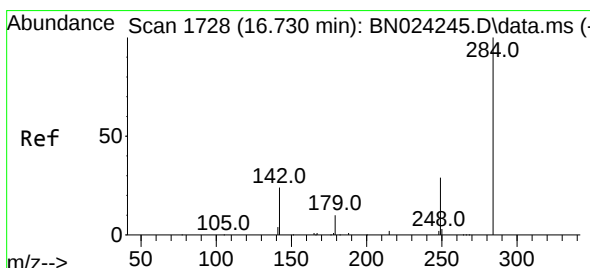
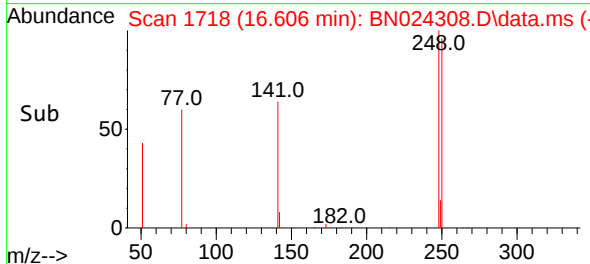
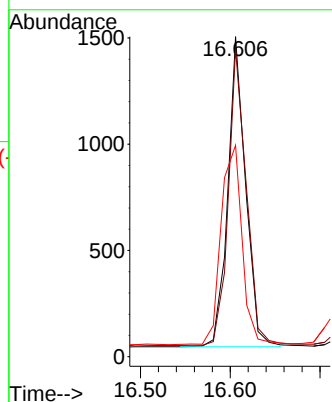
Tgt Ion:248 Resp: 2015

Ion Ratio Lower Upper

248 100

250 96.2 81.9 122.9

141 66.1 28.2 42.2#



#22

Hexachlorobenzene

Concen: 0.180 ng

RT: 16.730 min Scan# 1728

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

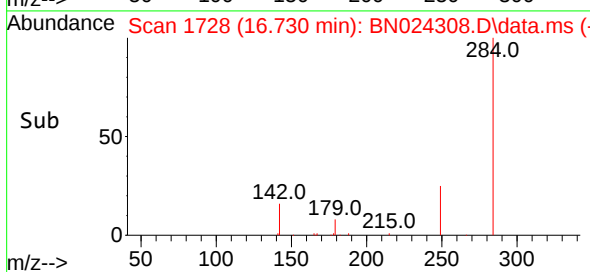
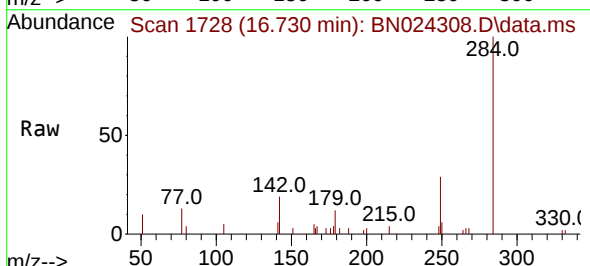
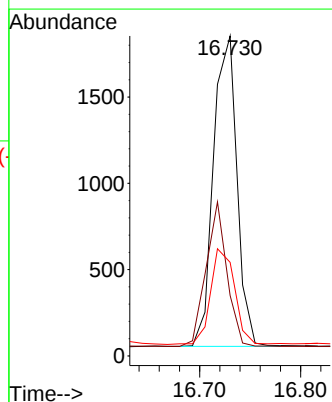
Tgt Ion:284 Resp: 2910

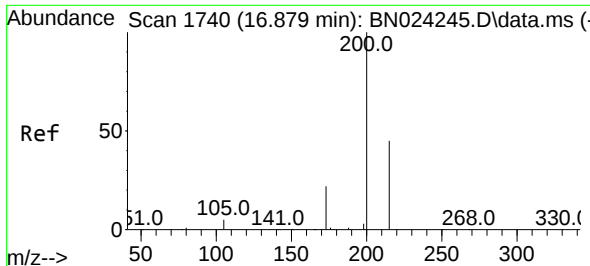
Ion Ratio Lower Upper

284 100

142 41.1 30.2 45.4

249 31.5 24.5 36.7

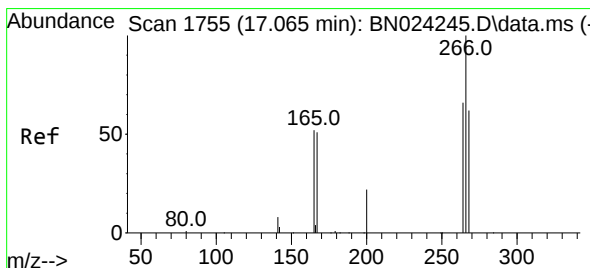
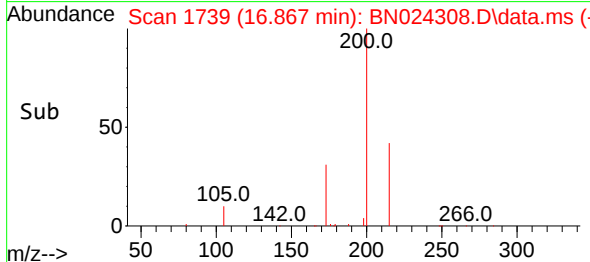
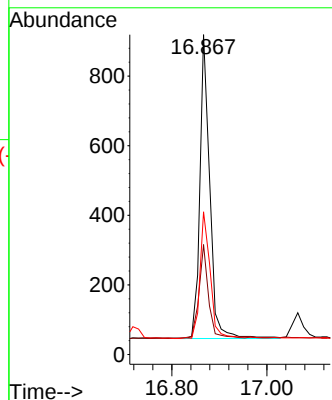
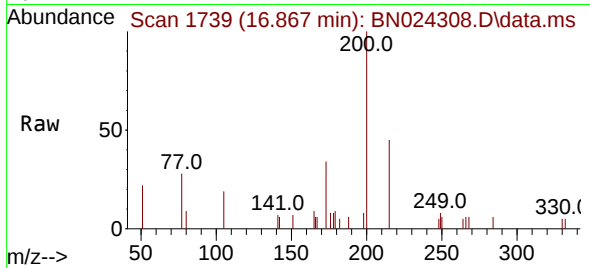




#23
 Atrazine
 Concen: 0.151 ng
 RT: 16.867 min Scan# 1739
 Delta R.T. 0.000 min
 Lab File: BN024308.D
 Acq: 16 Mar 2023 12:27

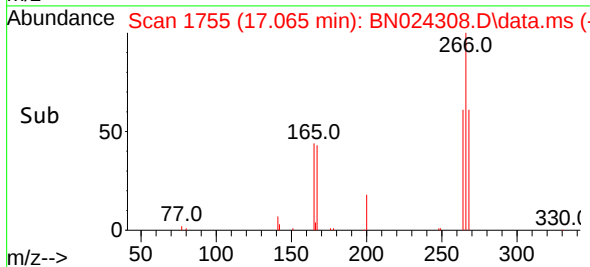
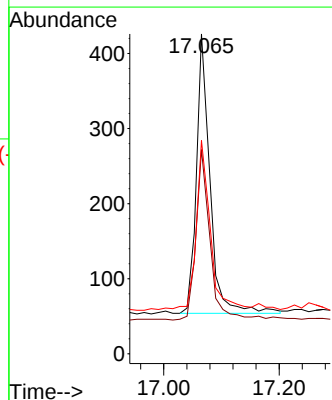
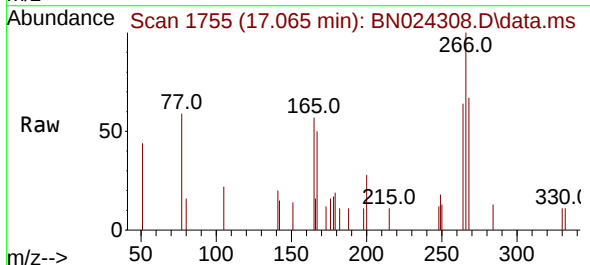
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

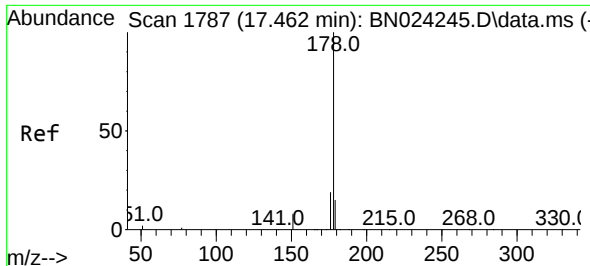
Tgt Ion:200 Resp: 1261
 Ion Ratio Lower Upper
 200 100
 173 34.4 18.9 28.3#
 215 44.6 36.7 55.1



#24
 Pentachlorophenol
 Concen: 0.190 ng
 RT: 17.065 min Scan# 1755
 Delta R.T. 0.000 min
 Lab File: BN024308.D
 Acq: 16 Mar 2023 12:27

Tgt Ion:266 Resp: 609
 Ion Ratio Lower Upper
 266 100
 264 64.0 51.1 76.7
 268 61.6 52.2 78.4

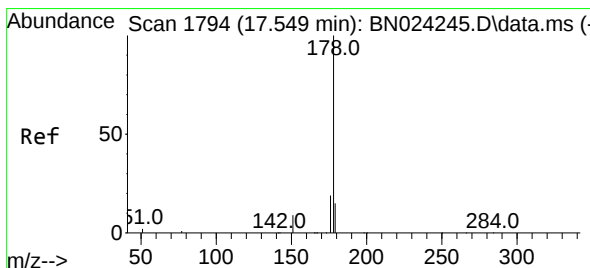
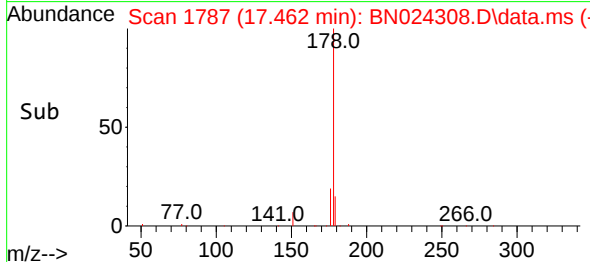
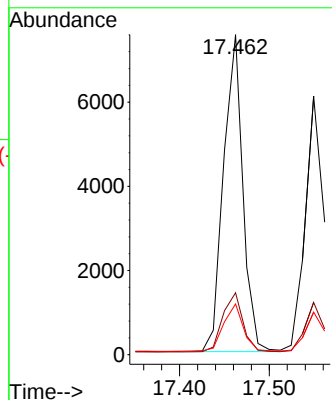
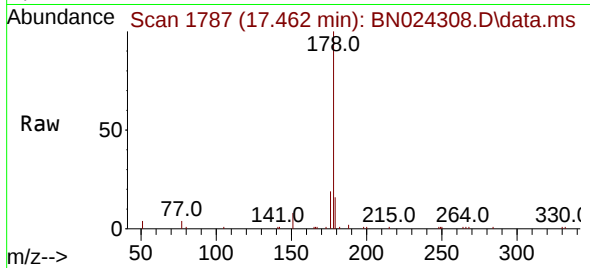




#25
Phenanthrene
Concen: 0.172 ng
RT: 17.462 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

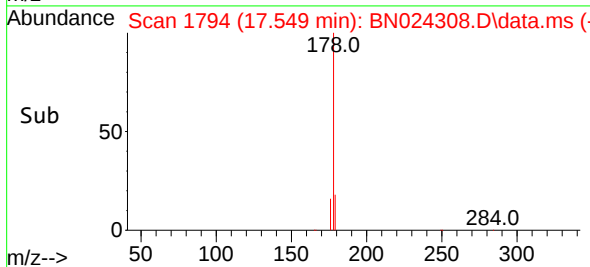
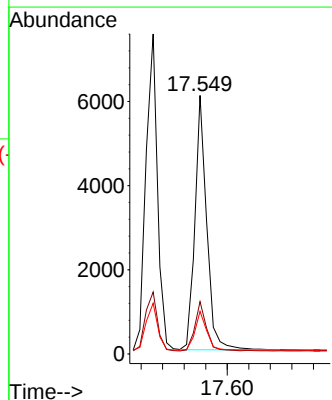
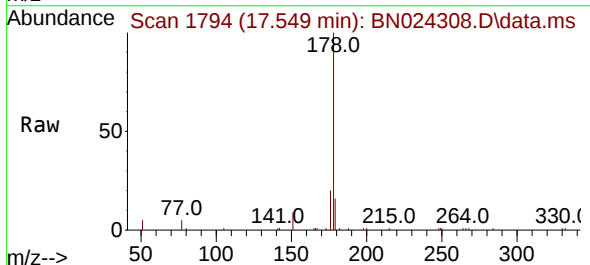
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

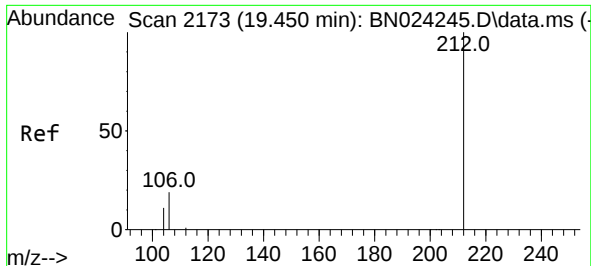
Tgt Ion:178 Resp: 11282
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.3 12.2 18.2



#26
Anthracene
Concen: 0.152 ng
RT: 17.549 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:178 Resp: 9221
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.1 18.1

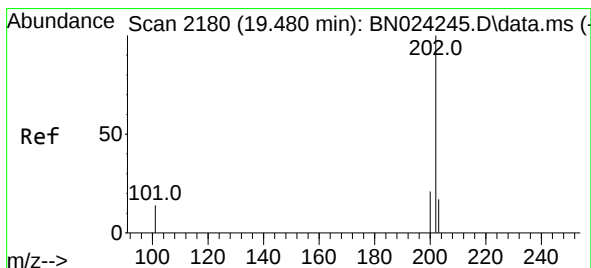
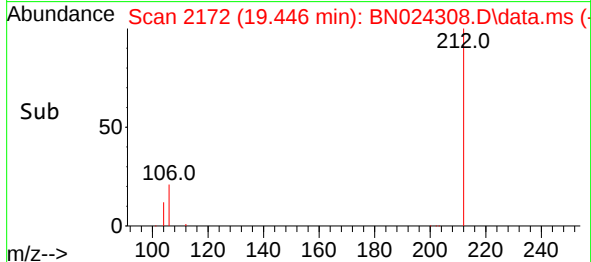
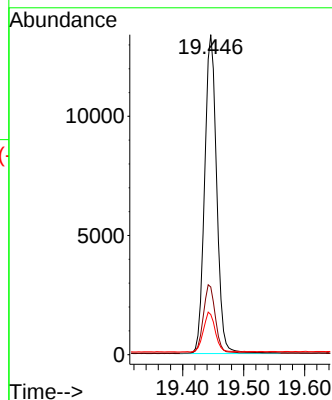
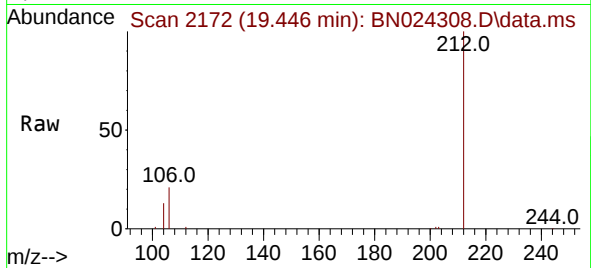




#27
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.446 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

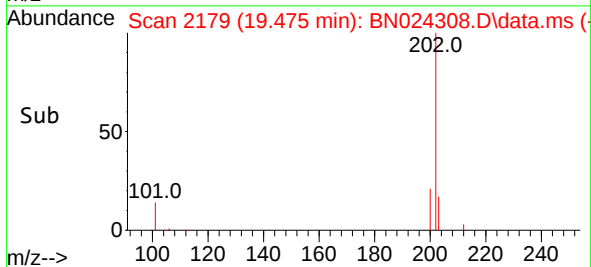
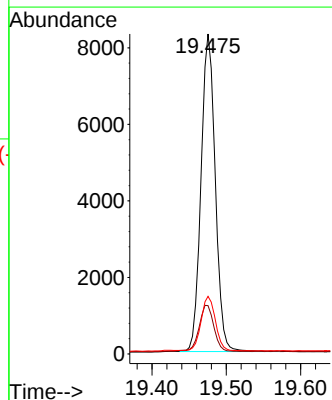
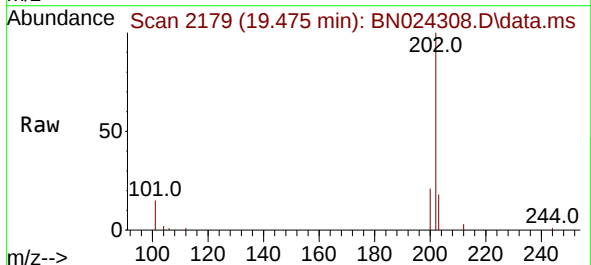
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BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

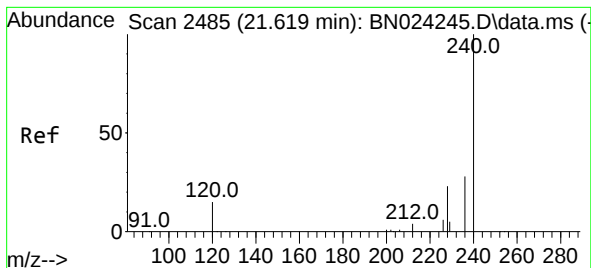
Tgt Ion:212 Resp: 18408
Ion Ratio Lower Upper
212 100
106 21.3 15.4 23.2
104 12.3 8.6 13.0



#28
Fluoranthene
Concen: 0.154 ng
RT: 19.475 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BN024308.D
Acq: 16 Mar 2023 12:27

Tgt Ion:202 Resp: 11047
Ion Ratio Lower Upper
202 100
101 15.5 11.3 16.9
203 17.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.610 min Scan# 2485

Delta R.T. 0.009 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

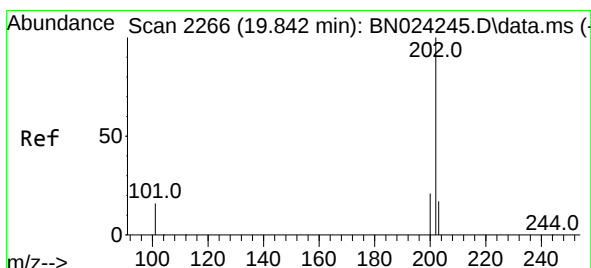
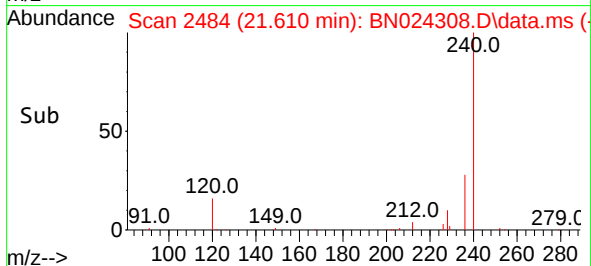
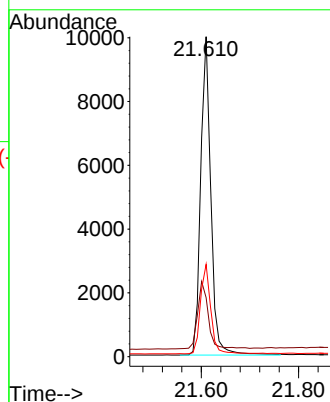
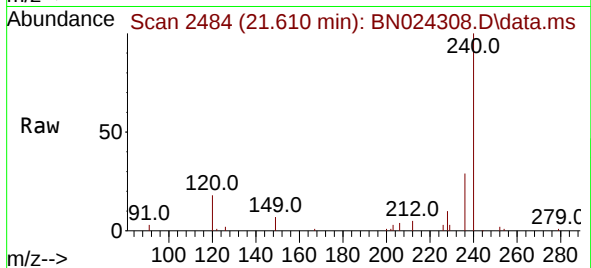
Tgt Ion:240 Resp: 14433

Ion Ratio Lower Upper

240 100

120 18.5 12.8 19.2

236 28.8 22.5 33.7



#30

Pyrene

Concen: 0.186 ng

RT: 19.838 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

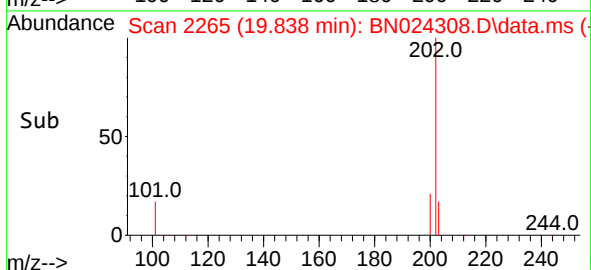
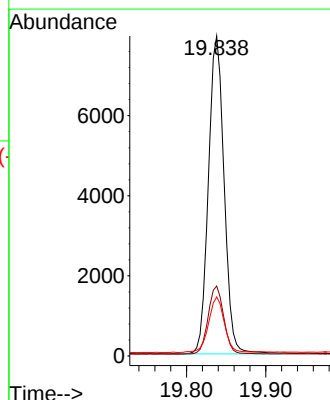
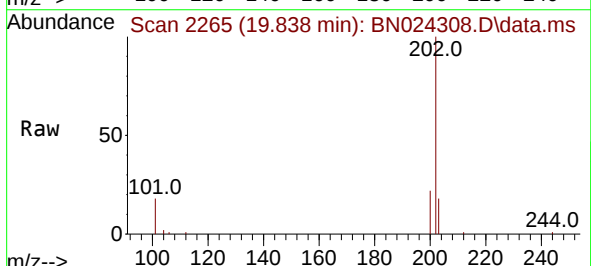
Tgt Ion:202 Resp: 10875

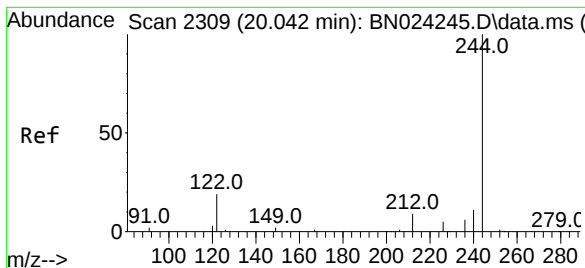
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 17.4 14.2 21.2





#31

Terphenyl-d14

Concen: 0.336 ng

RT: 20.033 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

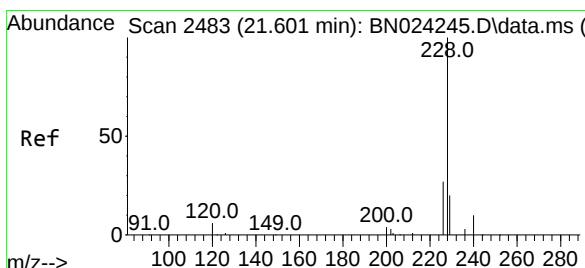
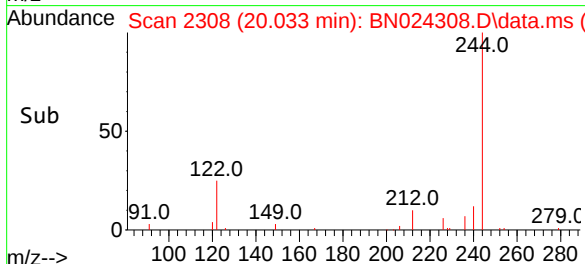
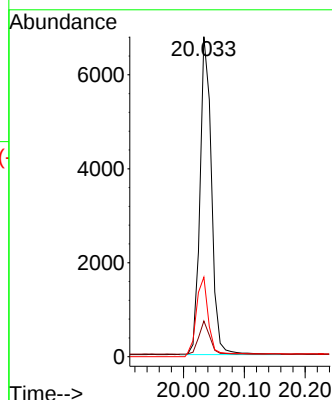
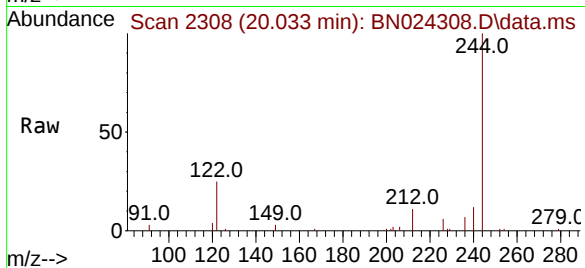
Tgt Ion:244 Resp: 8179

Ion Ratio Lower Upper

244 100

212 11.2 7.6 11.4

122 24.9 15.1 22.7#



#32

Benzo(a)anthracene

Concen: 0.163 ng

RT: 21.592 min Scan# 2482

Delta R.T. 0.009 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

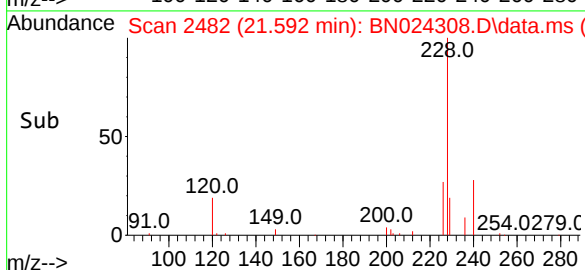
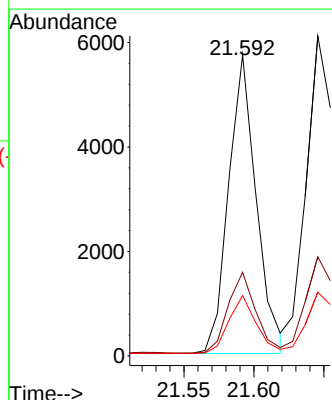
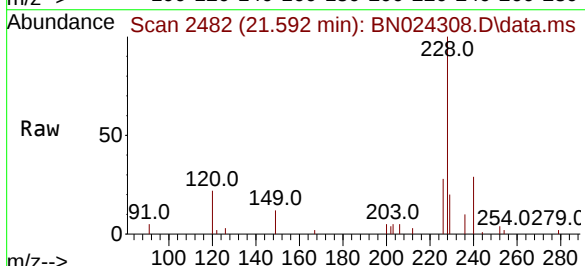
Tgt Ion:228 Resp: 7869

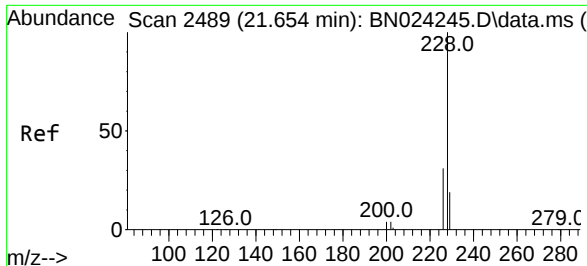
Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.2

229 20.0 15.9 23.9





#33

Chrysene

Concen: 0.177 ng

RT: 21.646 min Scan# 2488

Delta R.T. 0.000 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

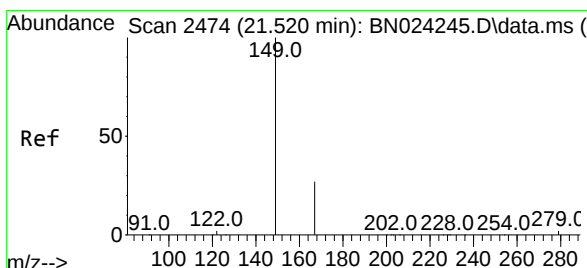
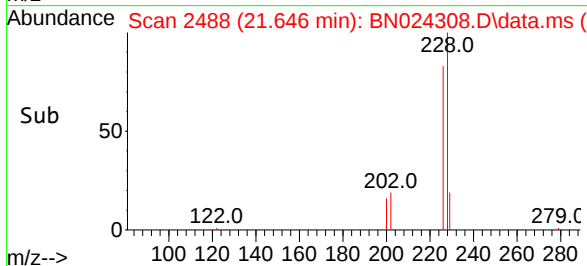
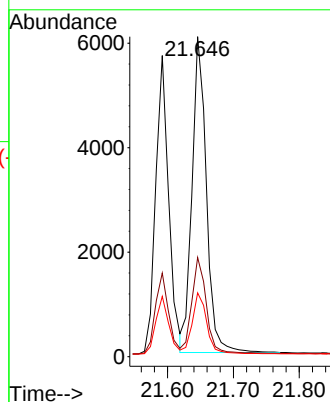
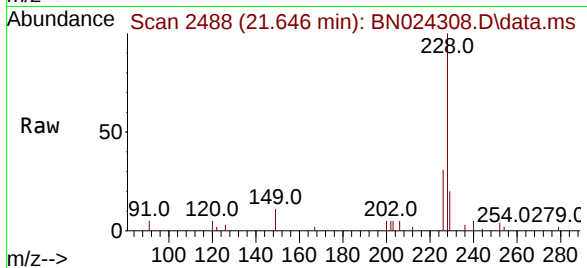
Tgt Ion:228 Resp: 9119

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 20.0 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.176 ng

RT: 21.511 min Scan# 2473

Delta R.T. 0.009 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

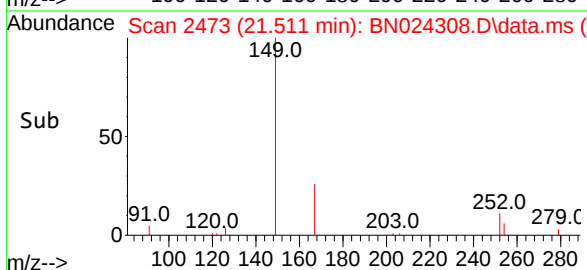
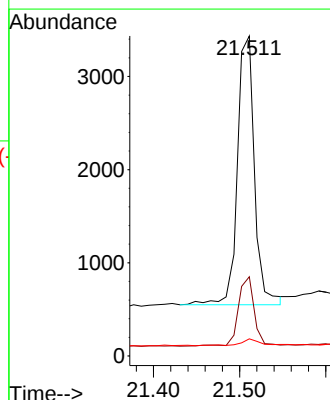
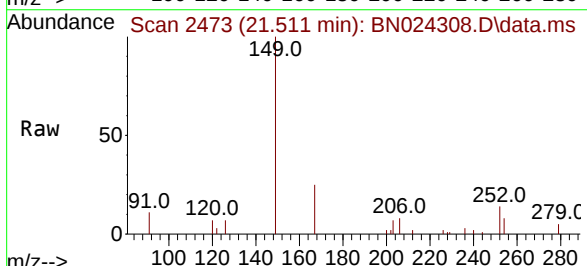
Tgt Ion:149 Resp: 3992

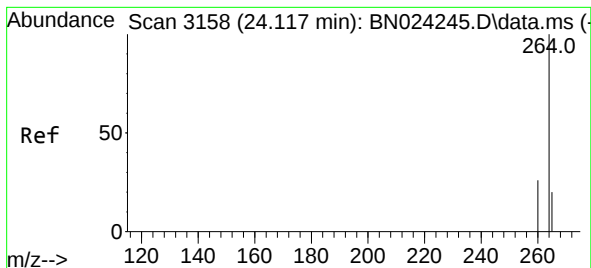
Ion Ratio Lower Upper

149 100

167 24.6 21.2 31.8

279 3.4 1.8 2.8#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.123 min Scan# 3158

Delta R.T. 0.009 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

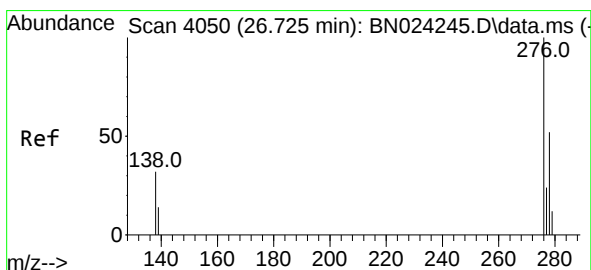
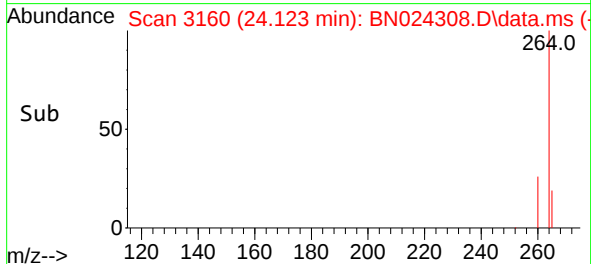
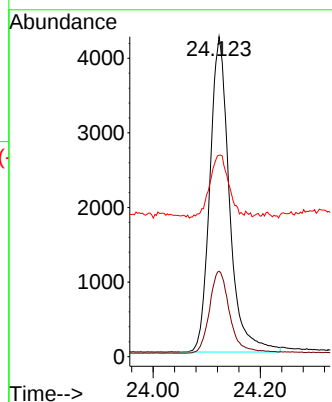
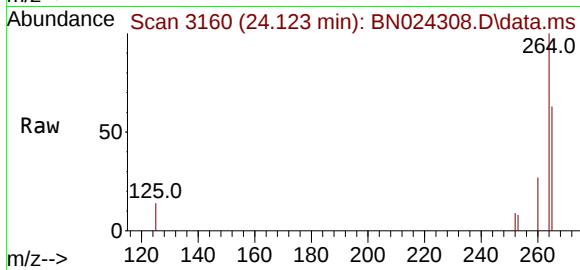
Tgt Ion:264 Resp: 10746

Ion Ratio Lower Upper

264 100

260 26.7 21.4 32.2

265 63.0 35.7 53.5#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.162 ng

RT: 26.743 min Scan# 4056

Delta R.T. 0.003 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

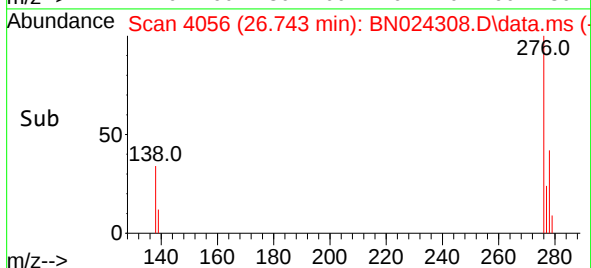
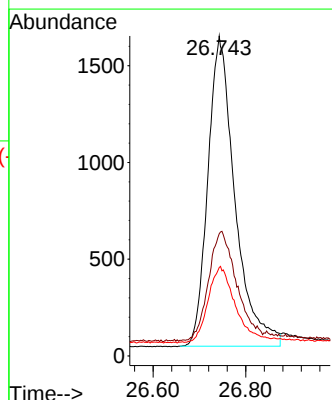
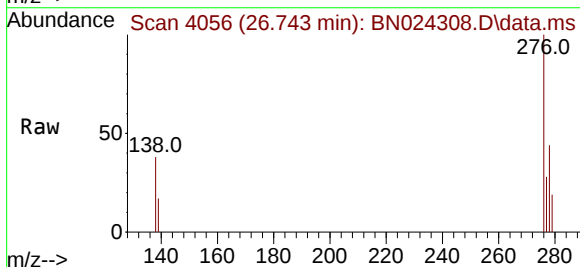
Tgt Ion:276 Resp: 6502

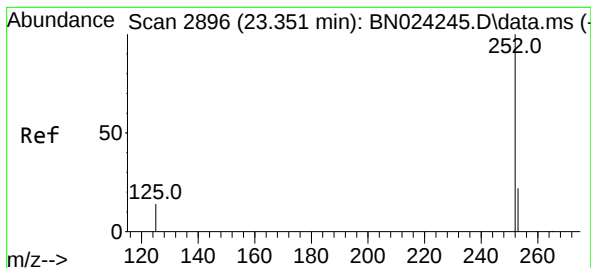
Ion Ratio Lower Upper

276 100

138 37.3 27.4 41.2

277 24.4 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.185 ng

RT: 23.348 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022

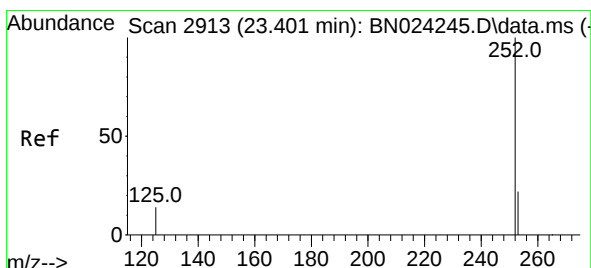
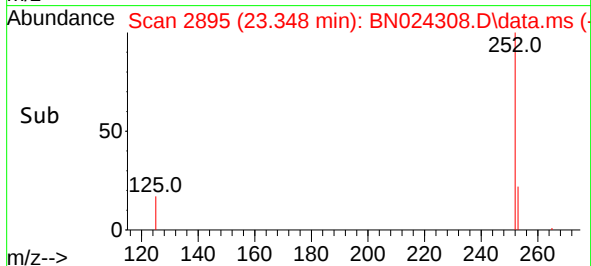
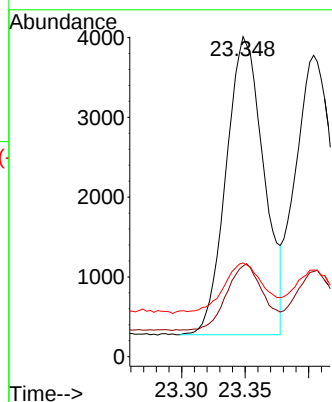
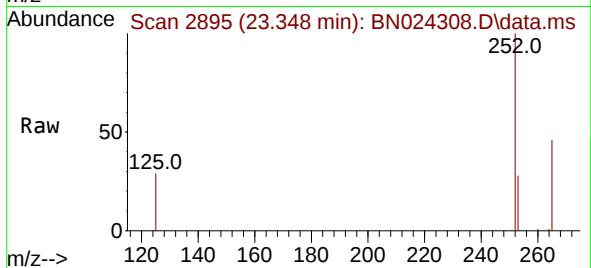
Tgt Ion:252 Resp: 7714

Ion Ratio Lower Upper

252 100

253 28.4 18.9 28.3#

125 29.3 13.8 20.6#



#38

Benzo(k)fluoranthene

Concen: 0.170 ng

RT: 23.404 min Scan# 2914

Delta R.T. 0.009 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

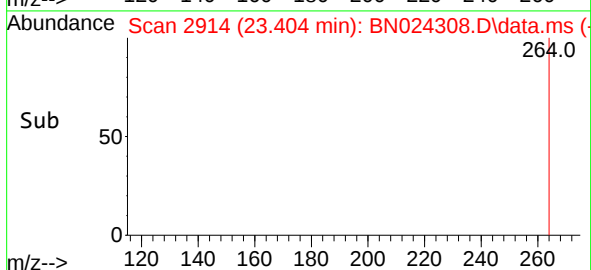
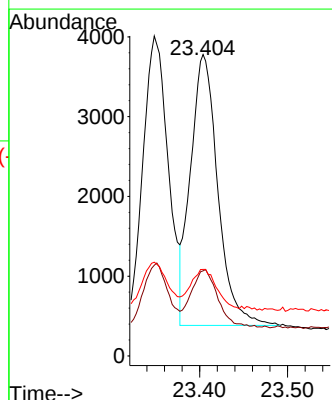
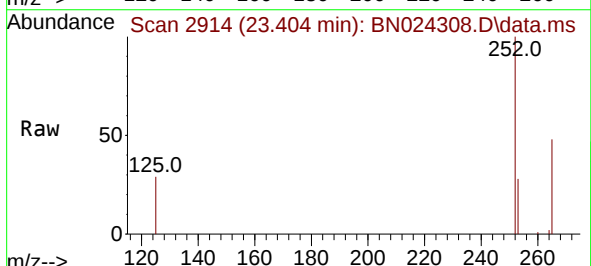
Tgt Ion:252 Resp: 7335

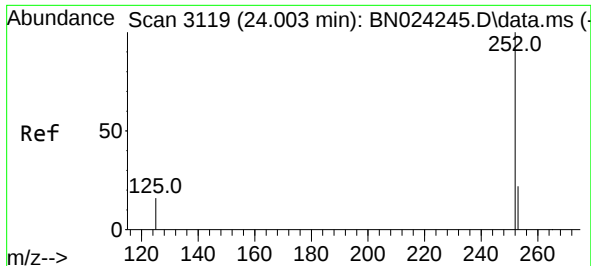
Ion Ratio Lower Upper

252 100

253 28.3 19.0 28.6

125 28.7 13.5 20.3#





#39

Benzo(a)pyrene

Concen: 0.153 ng

RT: 24.003 min Scan# 3119

Delta R.T. 0.006 min

Lab File: BN024308.D

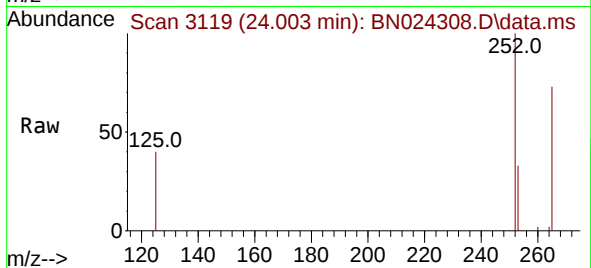
Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022



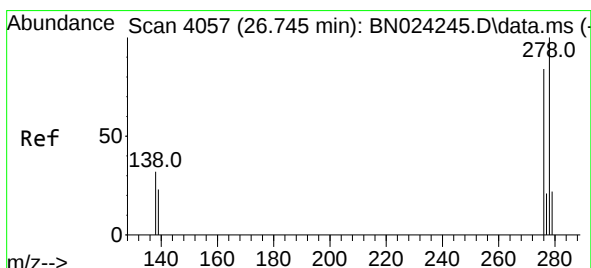
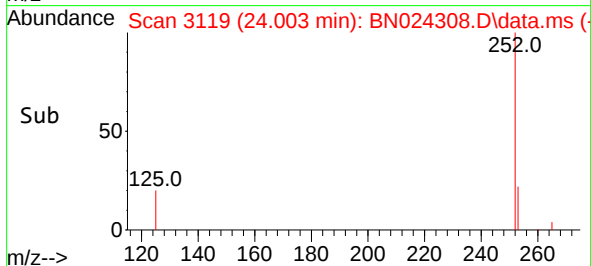
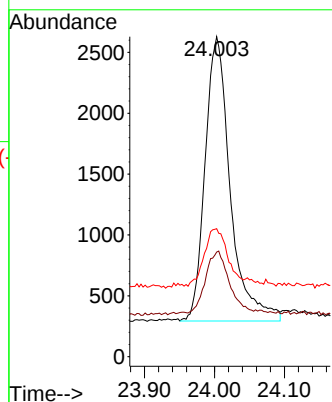
Tgt Ion:252 Resp: 5857

Ion Ratio Lower Upper

252 100

253 32.7 19.5 29.3#

125 40.0 16.2 24.4#



#40

Dibenzo(a,h)anthracene

Concen: 0.151 ng

RT: 26.766 min Scan# 4064

Delta R.T. 0.006 min

Lab File: BN024308.D

Acq: 16 Mar 2023 12:27

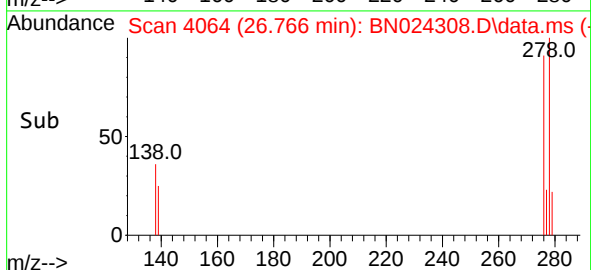
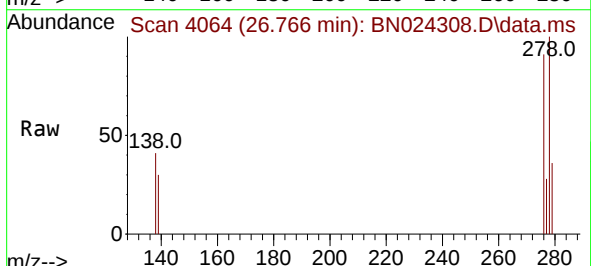
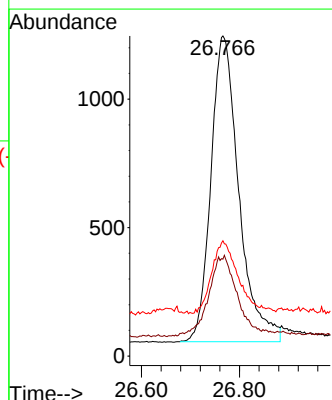
Tgt Ion:278 Resp: 4711

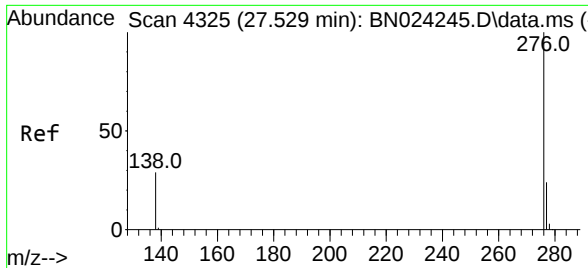
Ion Ratio Lower Upper

278 100

139 30.3 19.4 29.0#

279 36.0 20.7 31.1#





#41

Benzo(g,h,i)perylene

Concen: 0.169 ng

RT: 27.553 min Scan# 41

Delta R.T. -0.003 min

Lab File: BN024308.D

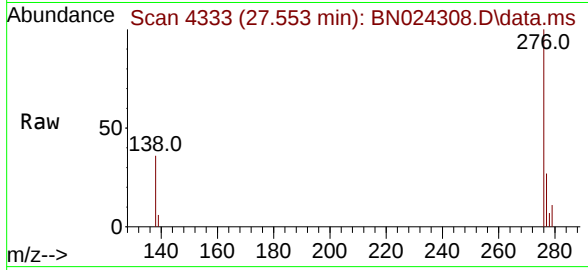
Acq: 16 Mar 2023 12:27

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:276 Resp: 6151

Ion Ratio Lower Upper

276 100

277 27.5 19.9 29.9

138 36.5 24.5 36.7

