

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
 Data File : BN029452.D
 Acq On : 31 Jan 2024 16:58
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-0.1NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 01 01:40:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 30 03:38:24 2024
 Response via : Initial Calibration

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

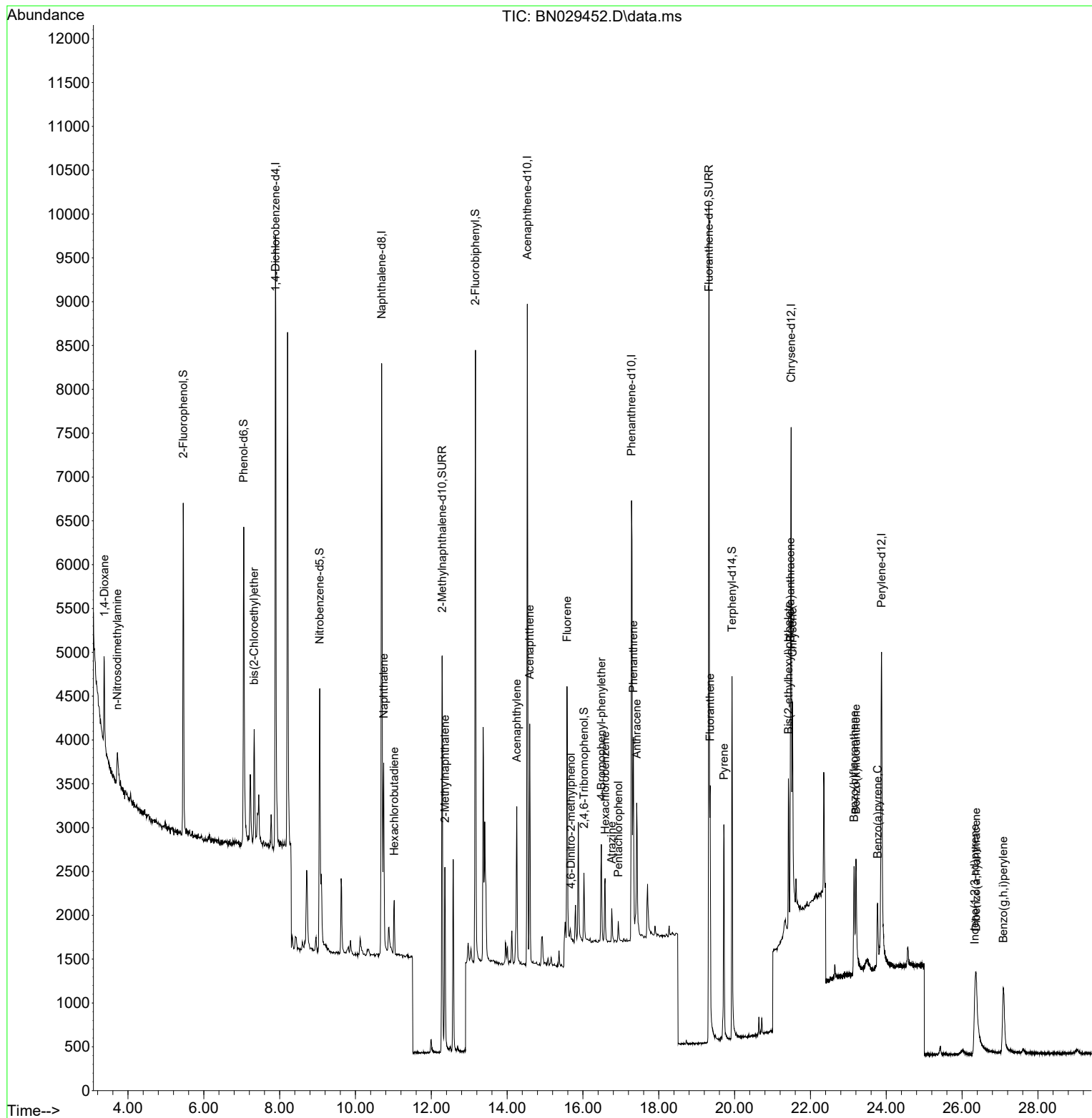
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.891	152	3469	0.400	ng	-0.01
7) Naphthalene-d8	10.690	136	9299	0.400	ng	-0.01
13) Acenaphthene-d10	14.532	164	4146	0.400	ng	-0.01
19) Phenanthrene-d10	17.280	188	7979	0.400	ng	#-0.01
29) Chrysene-d12	21.492	240	5861	0.400	ng	# 0.00
35) Perylene-d12	23.876	264	6088	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	3107	0.373	ng	-0.01
5) Phenol-d6	7.053	99	3874	0.403	ng	-0.01
8) Nitrobenzene-d5	9.057	82	3002	0.388	ng	-0.01
11) 2-Methylnaphthalene-d10	12.284	152	6723	0.531	ng	0.00
14) 2,4,6-Tribromophenol	16.027	330	433	0.326	ng	-0.01
15) 2-Fluorobiphenyl	13.164	172	6301	0.354	ng	-0.01
27) Fluoranthene-d10	19.322	212	11447	0.592	ng	0.00
31) Terphenyl-d14	19.931	244	4782	0.329	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.377	88	833	0.171	ng	99
3) n-Nitrosodimethylamine	3.716	42	444	0.112	ng	# 93
6) bis(2-Chloroethyl)ether	7.327	93	1101	0.120	ng	97
9) Naphthalene	10.744	128	2861	0.108	ng	95
10) Hexachlorobutadiene	11.021	225	487	0.097	ng	# 100
12) 2-Methylnaphthalene	12.359	142	1571	0.101	ng	95
16) Acenaphthylene	14.255	152	1997	0.101	ng	99
17) Acenaphthene	14.597	154	1289	0.098	ng	98
18) Fluorene	15.580	166	1599	0.096	ng	99
20) 4,6-Dinitro-2-methylph...	15.679	198	78	0.067	ng	# 12
21) 4-Bromophenyl-phenylether	16.486	248	453	0.095	ng	# 86
22) Hexachlorobenzene	16.585	284	550	0.094	ng	97
23) Atrazine	16.759	200	345	0.102	ng	# 87
24) Pentachlorophenol	16.933	266	121	0.066	ng	97
25) Phenanthrene	17.330	178	2432	0.103	ng	99
26) Anthracene	17.417	178	1930	0.096	ng	100
28) Fluoranthene	19.355	202	2477	0.093	ng	99
30) Pyrene	19.717	202	2487	0.092	ng	99
32) Benzo(a)anthracene	21.474	228	1804	0.090	ng	97
33) Chrysene	21.528	228	2073	0.091	ng	95
34) Bis(2-ethylhexyl)phtha...	21.420	149	1447	0.106	ng	98
36) Indeno(1,2,3-cd)pyrene	26.335	276	1996	0.082	ng	# 88
37) Benzo(b)fluoranthene	23.151	252	1821	0.084	ng	# 69
38) Benzo(k)fluoranthene	23.204	252	1819	0.080	ng	# 53
39) Benzo(a)pyrene	23.771	252	1628	0.086	ng	# 56
40) Dibenzo(a,h)anthracene	26.373	278	1513	0.078	ng	# 71
41) Benzo(g,h,i)perylene	27.086	276	1967	0.083	ng	# 84

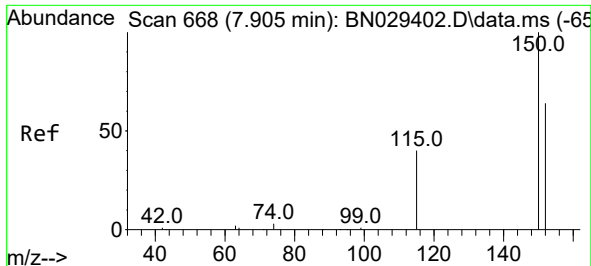
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
Data File : BN029452.D
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Instrument :
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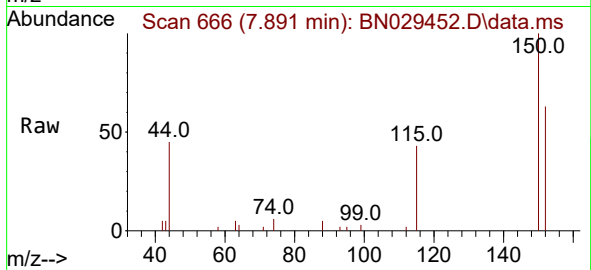
Quant Time: Feb 01 01:40:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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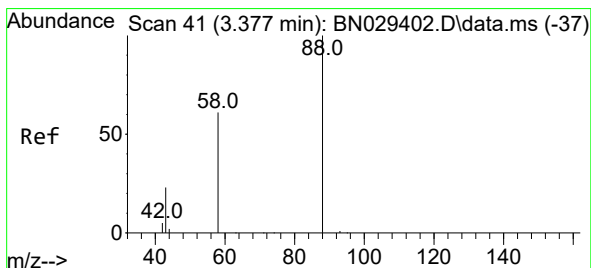
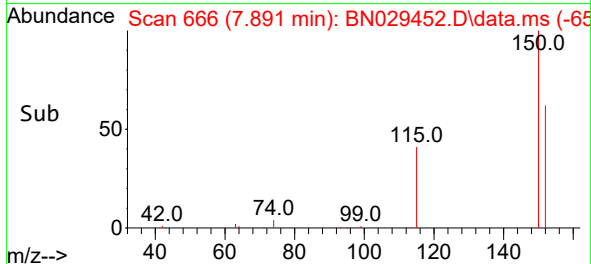
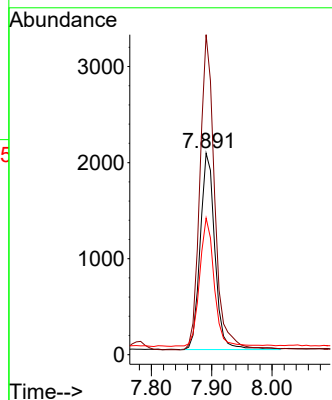


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.891 min Scan# 60
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

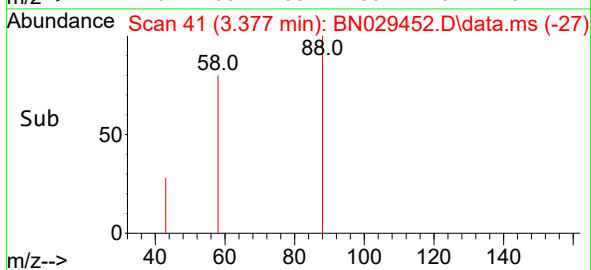
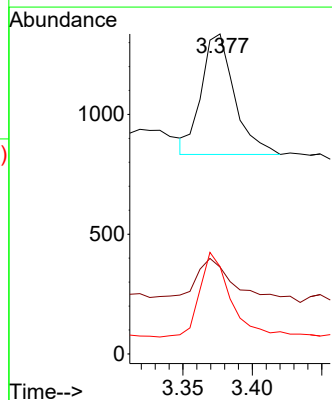
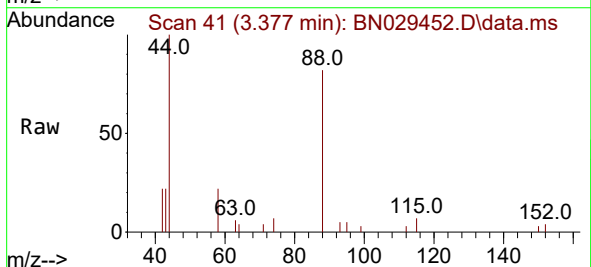


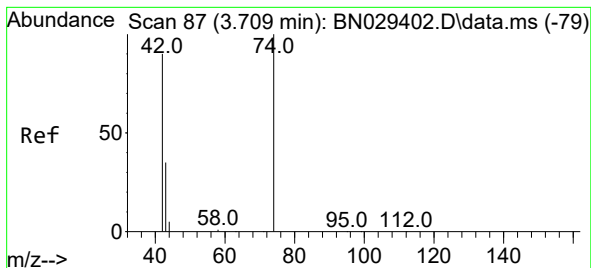
Tgt Ion:152 Resp: 3469
Ion Ratio Lower Upper
152 100
150 158.8 123.0 184.4
115 67.8 51.4 77.0



#2
1,4-Dioxane
Concen: 0.171 ng
RT: 3.377 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion: 88 Resp: 833
Ion Ratio Lower Upper
88 100
43 29.5 23.3 34.9
58 65.8 53.8 80.6





#3

n-Nitrosodimethylamine

Concen: 0.112 ng

RT: 3.716 min Scan# 81

Delta R.T. 0.007 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

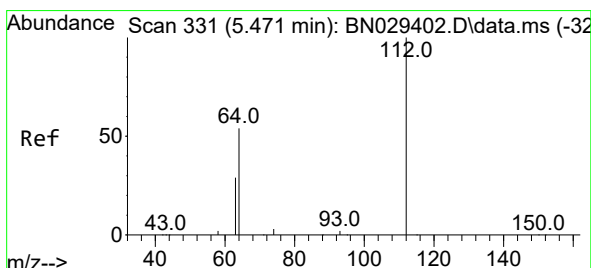
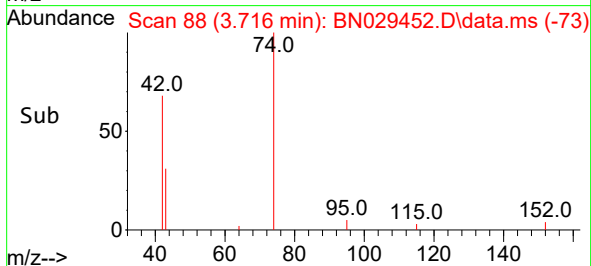
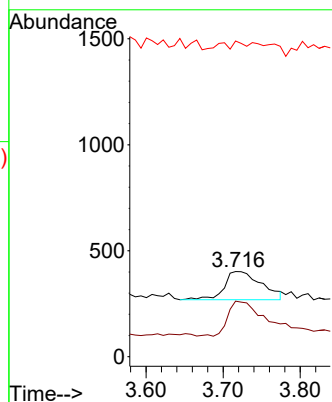
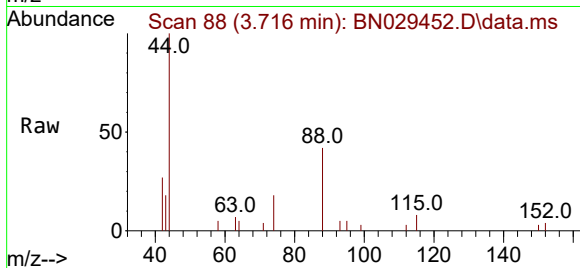
Tgt Ion: 42 Resp: 444

Ion Ratio Lower Upper

42 100

74 111.3 93.7 140.5

44 7.9 13.0 19.4#



#4

2-Fluorophenol

Concen: 0.373 ng

RT: 5.457 min Scan# 329

Delta R.T. -0.014 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

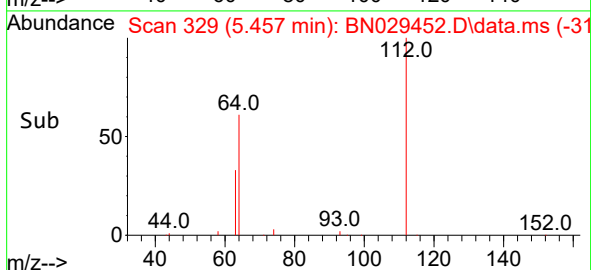
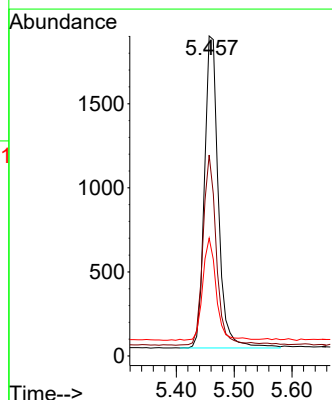
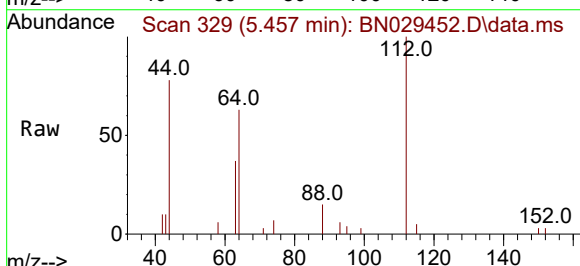
Tgt Ion: 112 Resp: 3107

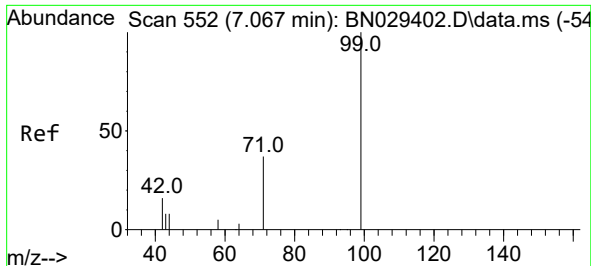
Ion Ratio Lower Upper

112 100

64 58.6 47.2 70.8

63 31.8 25.8 38.6

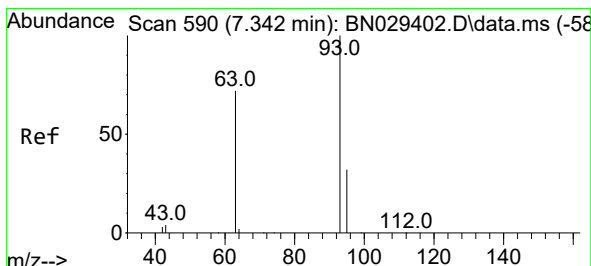
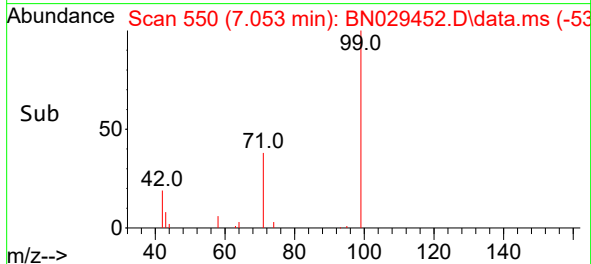
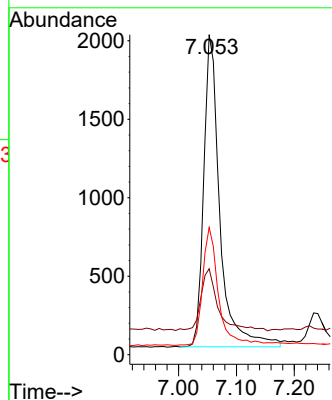
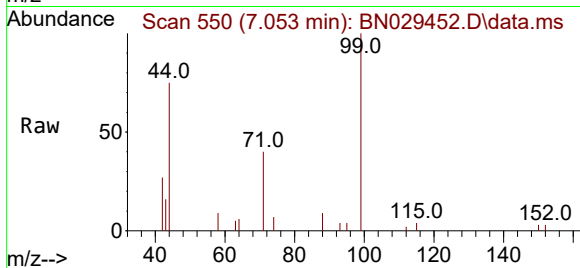




#5
Phenol-d6
Concen: 0.403 ng
RT: 7.053 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

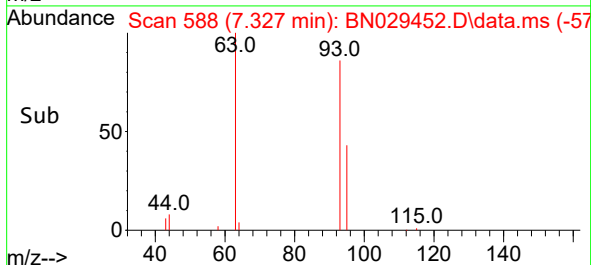
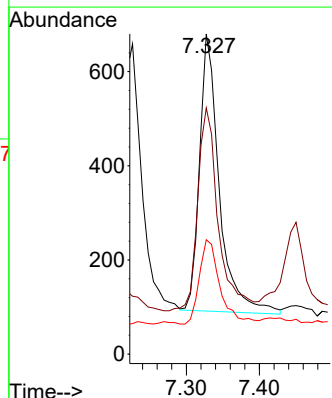
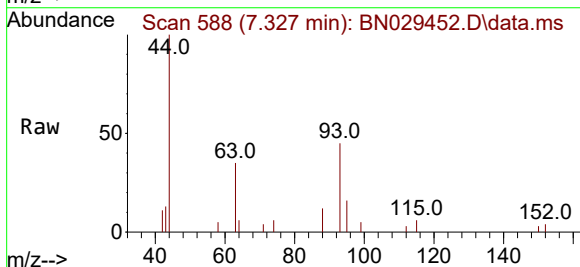
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

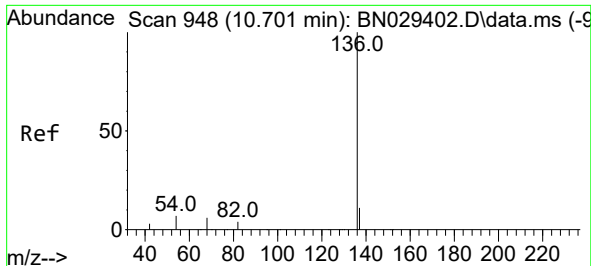
Tgt Ion: 99 Resp: 3874
Ion Ratio Lower Upper
99 100
42 21.1 16.9 25.3
71 37.4 30.0 45.0



#6
bis(2-Chloroethyl)ether
Concen: 0.120 ng
RT: 7.327 min Scan# 588
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion: 93 Resp: 1101
Ion Ratio Lower Upper
93 100
63 76.4 63.1 94.7
95 32.1 27.1 40.7

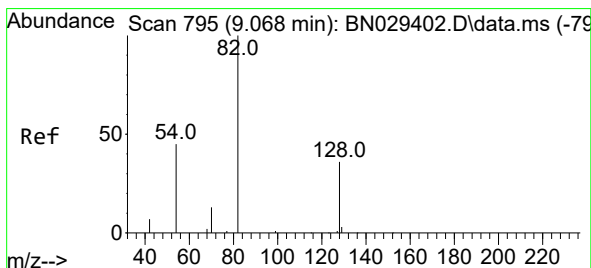
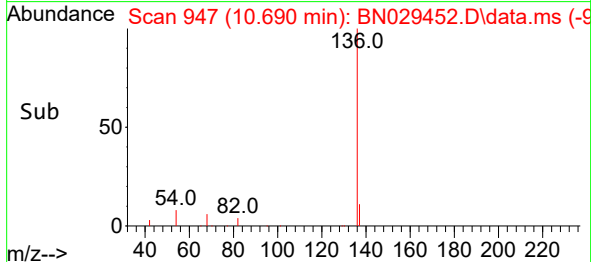
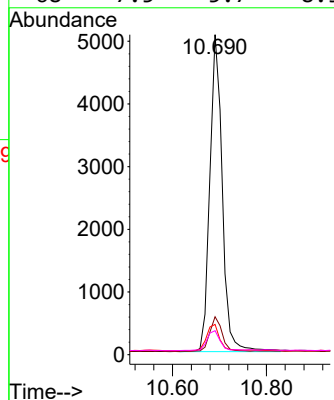
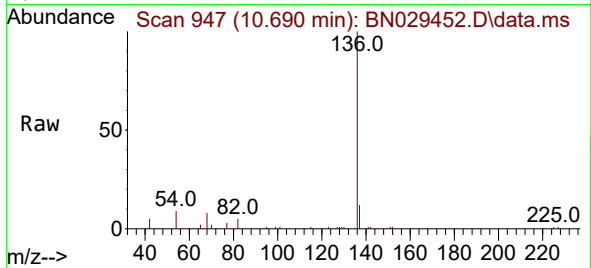




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

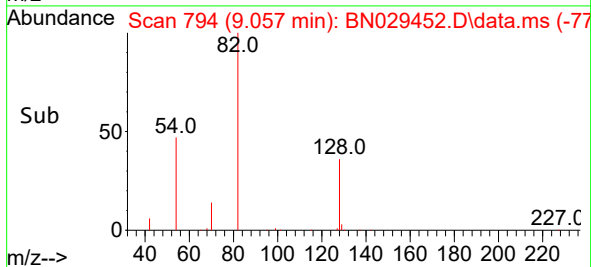
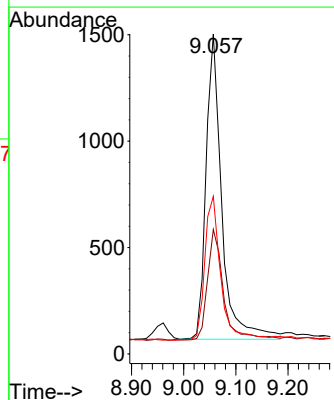
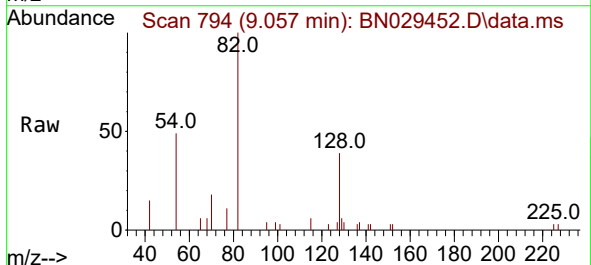
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

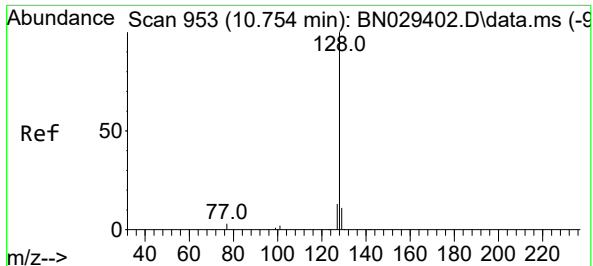
Tgt Ion:	136	Resp:	9299
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	9.5	6.6	10.0
68	7.5	5.7	8.5



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:	82	Resp:	3002
Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.6	47.4
54	49.3	38.2	57.4

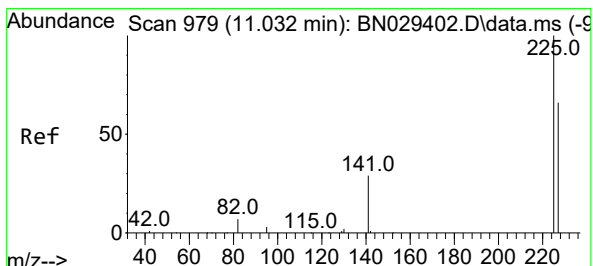
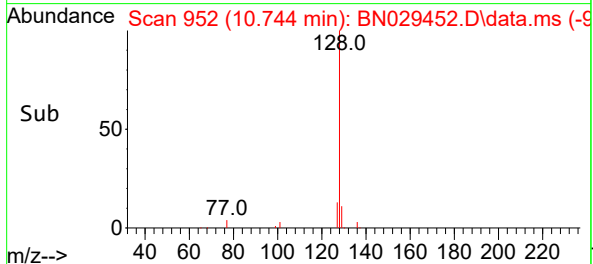
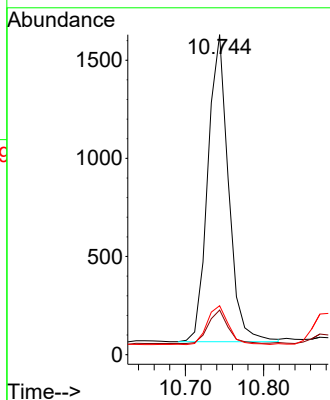
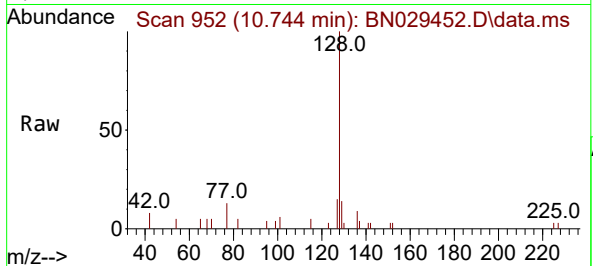




#9
Naphthalene
Concen: 0.108 ng
RT: 10.744 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

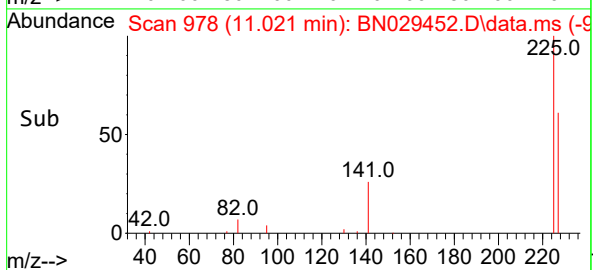
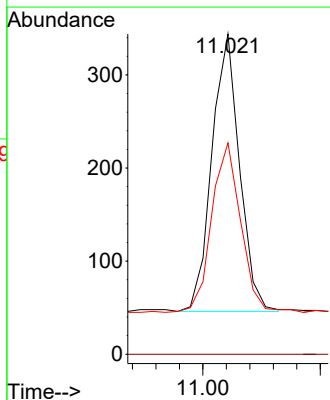
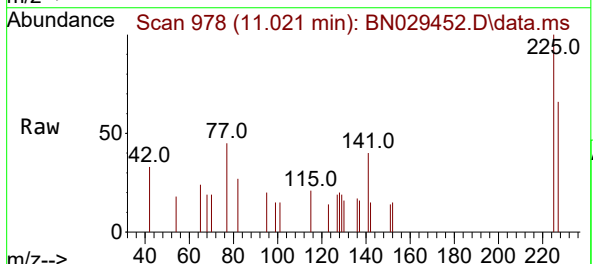
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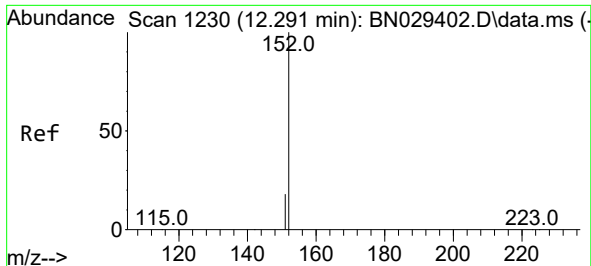
Tgt Ion:	128	Resp:	2861
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.5	14.3
127	15.3	10.8	16.2



#10
Hexachlorobutadiene
Concen: 0.097 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:	225	Resp:	487
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	64.1	51.1	76.7

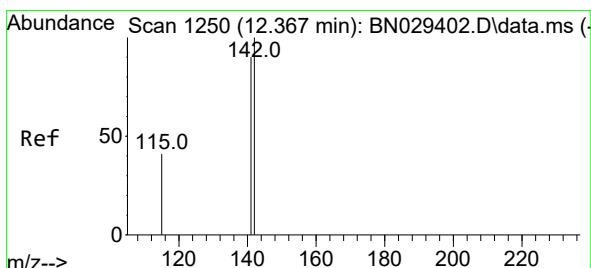
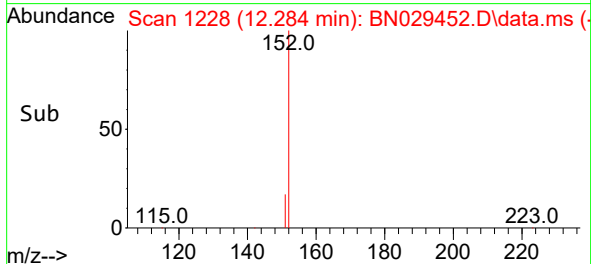
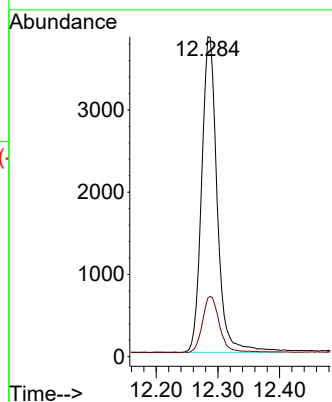
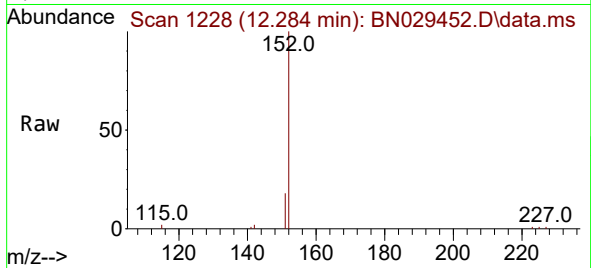




#11
2-Methylnaphthalene-d10
Concen: 0.531 ng
RT: 12.284 min Scan# 1228
Delta R.T. -0.008 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

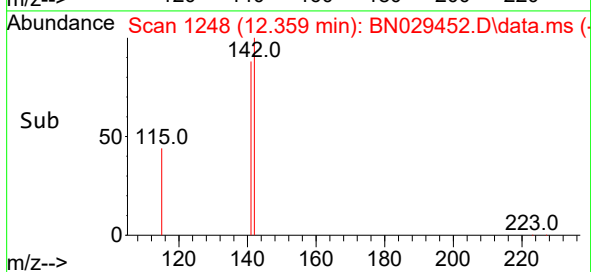
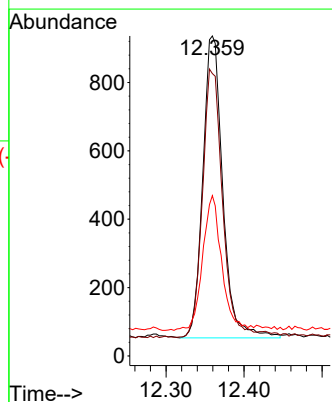
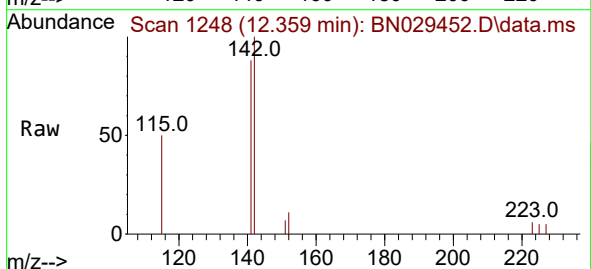
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

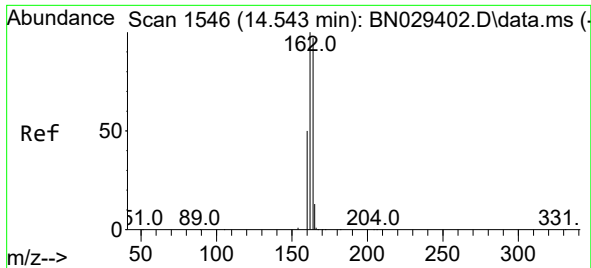
Tgt Ion:152 Resp: 6723
Ion Ratio Lower Upper
152 100
151 19.1 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.359 min Scan# 1248
Delta R.T. -0.008 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:142 Resp: 1571
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9
115 50.1 33.9 50.9

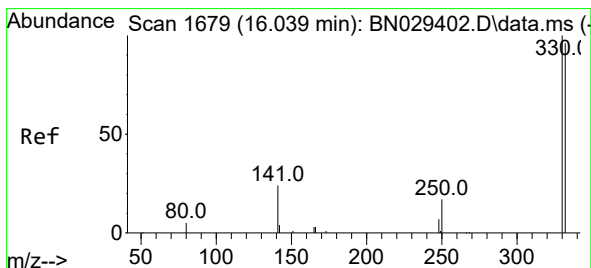
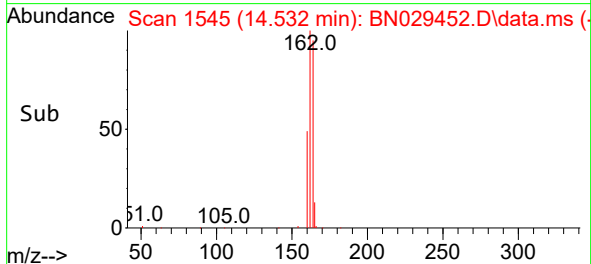
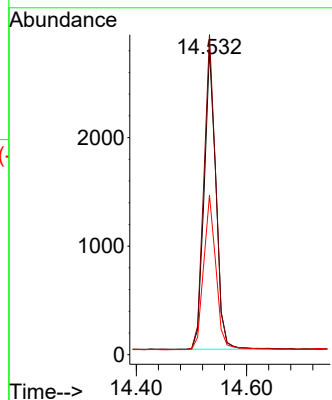
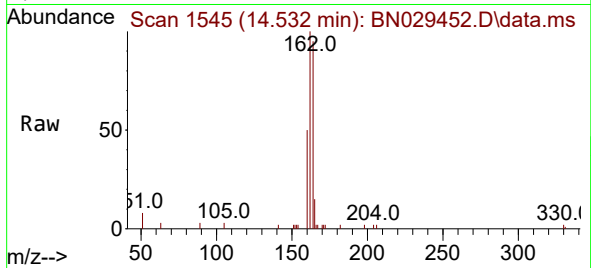




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.532 min Scan# 1545
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

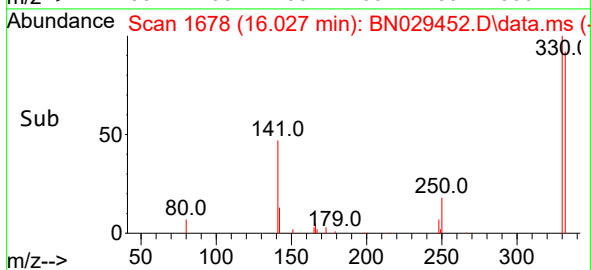
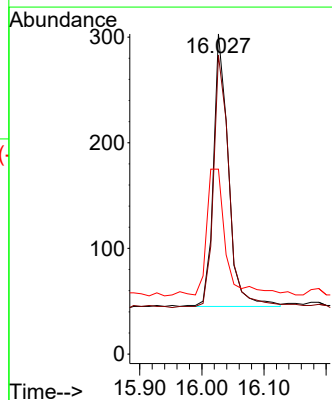
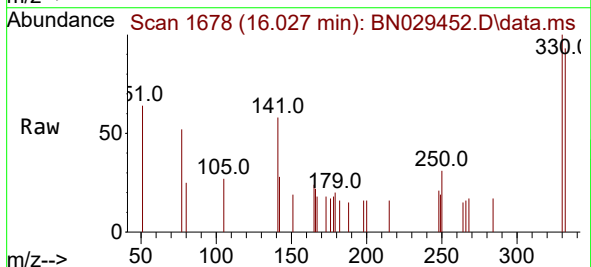
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

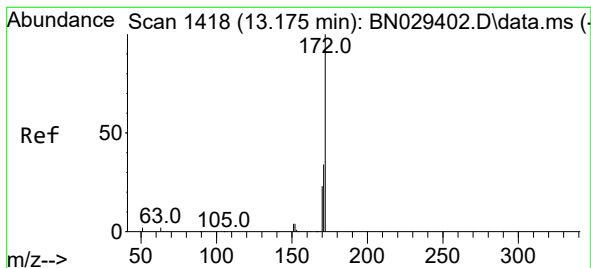
Tgt Ion:164 Resp: 4146
Ion Ratio Lower Upper
164 100
162 104.8 82.6 123.8
160 52.3 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 16.027 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:330 Resp: 433
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 58.0 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 0.354 ng

RT: 13.164 min Scan# 1418

Delta R.T. -0.011 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

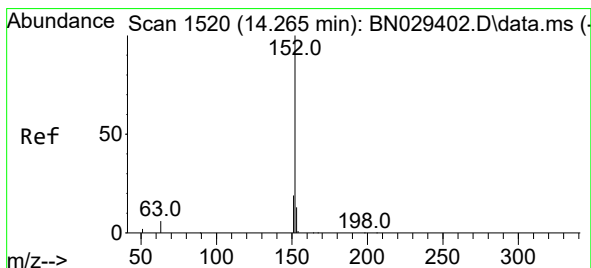
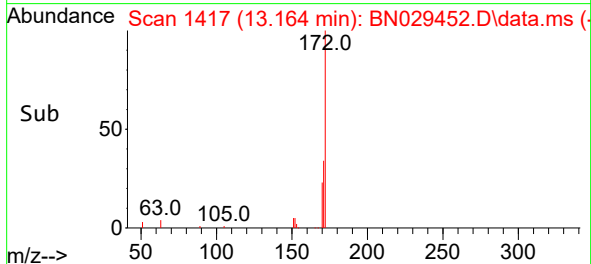
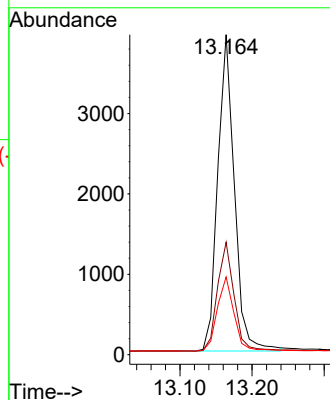
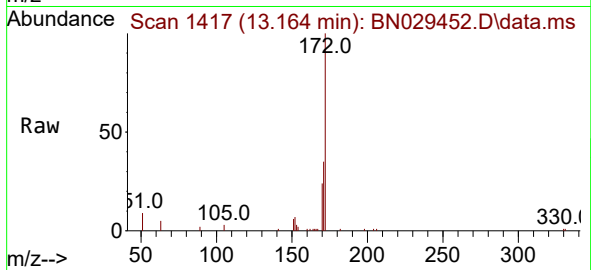
Tgt Ion:172 Resp: 6301

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 24.3 18.7 28.1



#16

Acenaphthylene

Concen: 0.101 ng

RT: 14.255 min Scan# 1519

Delta R.T. -0.011 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

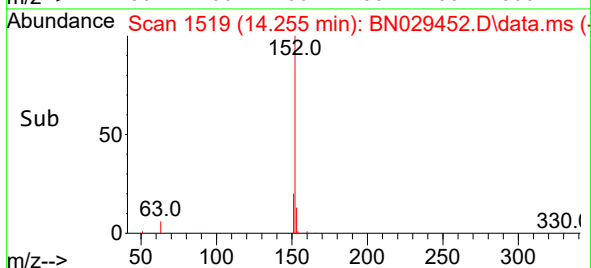
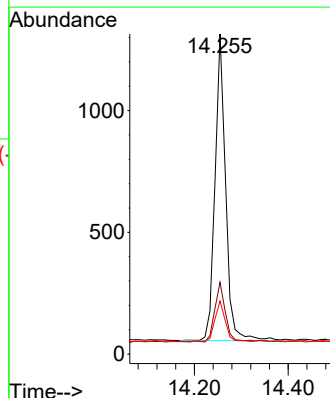
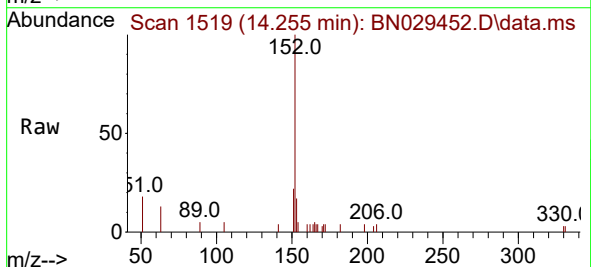
Tgt Ion:152 Resp: 1997

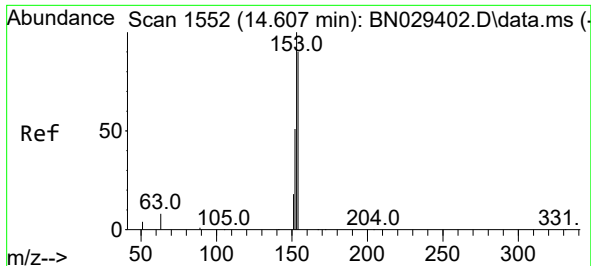
Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.7 10.5 15.7

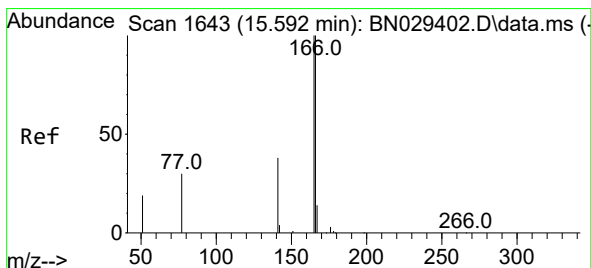
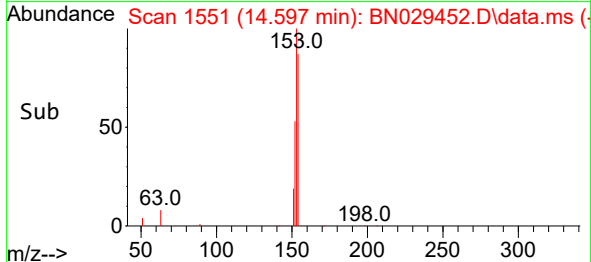
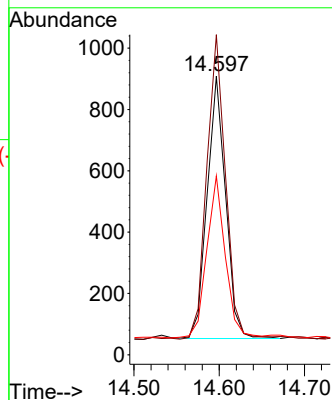
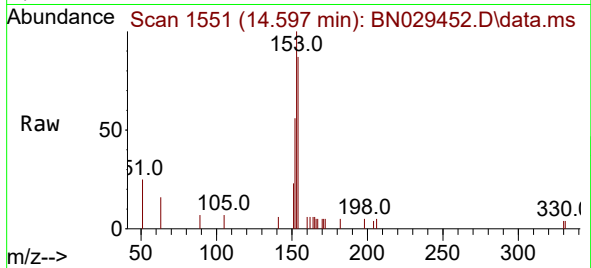




#17
Acenaphthene
Concen: 0.098 ng
RT: 14.597 min Scan# 1551
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

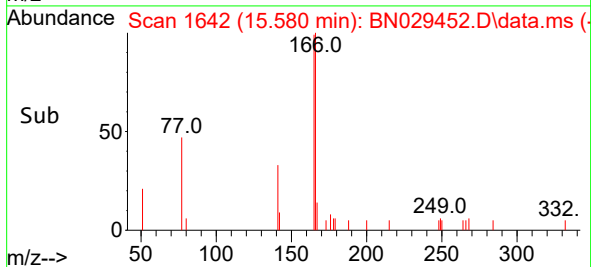
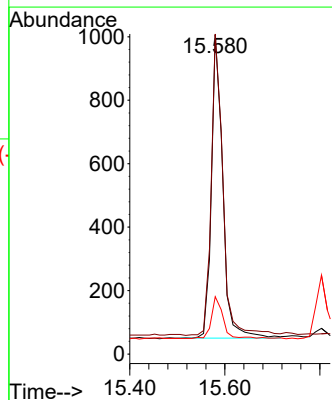
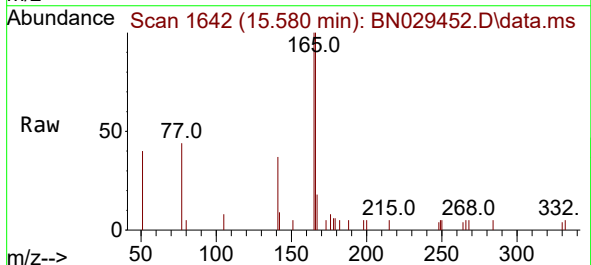
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

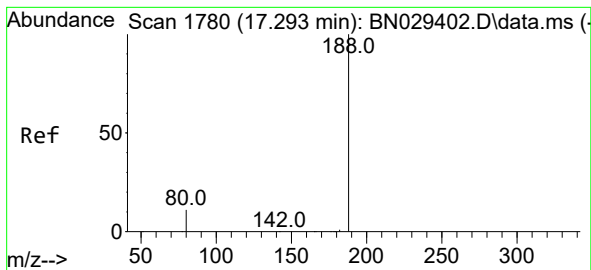
Tgt Ion:154	Resp:	1289
Ion Ratio	Lower	Upper
154	100	
153	119.3	93.6 140.4
152	61.9	48.6 73.0



#18
Fluorene
Concen: 0.096 ng
RT: 15.580 min Scan# 1642
Delta R.T. -0.012 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:166	Resp:	1599
Ion Ratio	Lower	Upper
166	100	
165	100.8	79.9 119.9
167	15.3	11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.280 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

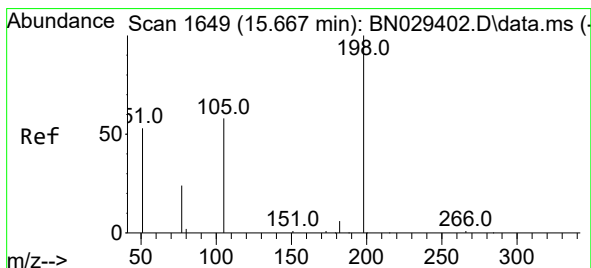
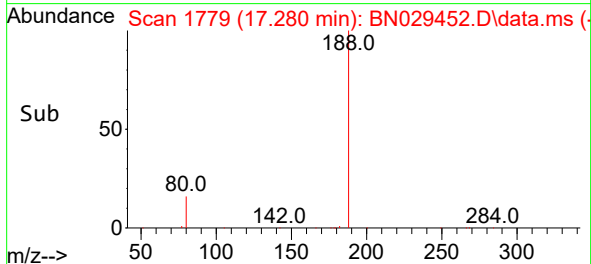
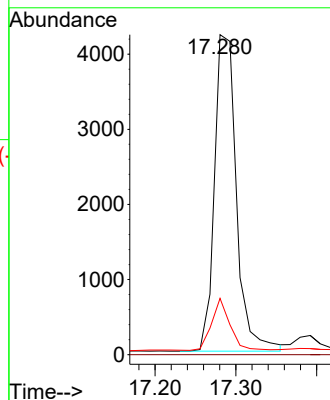
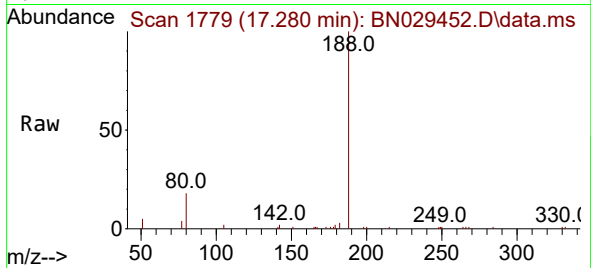
Tgt Ion:188 Resp: 7979

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.6 10.0 15.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.067 ng

RT: 15.679 min Scan# 1650

Delta R.T. 0.012 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

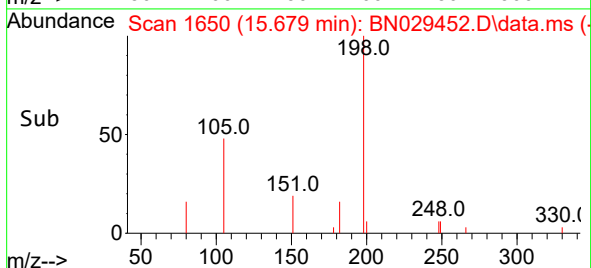
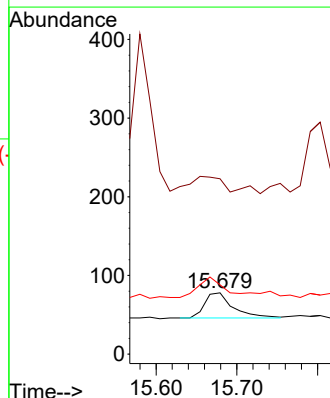
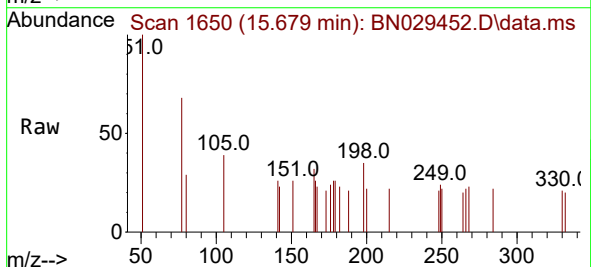
Tgt Ion:198 Resp: 78

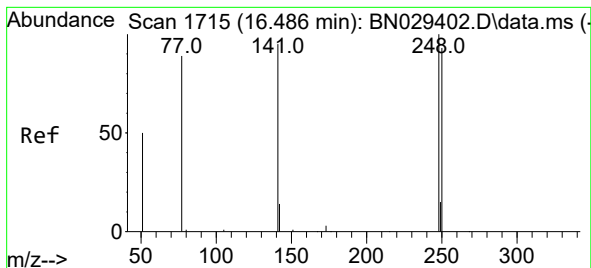
Ion Ratio Lower Upper

198 100

51 285.9 111.0 166.6#

105 112.8 67.0 100.6#

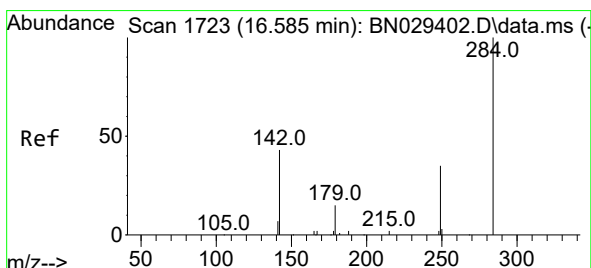
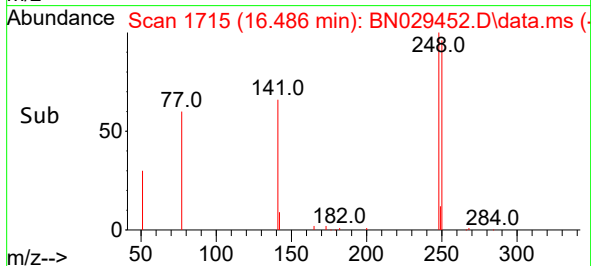
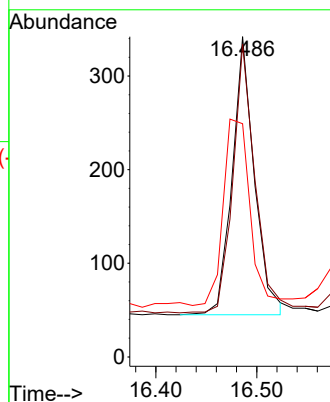
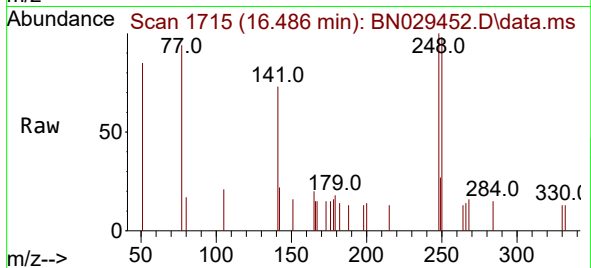




#21
4-Bromophenyl-phenylether
Concen: 0.095 ng
RT: 16.486 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

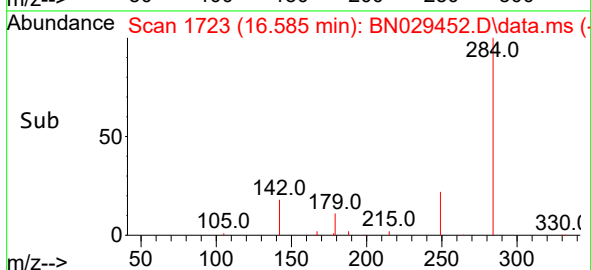
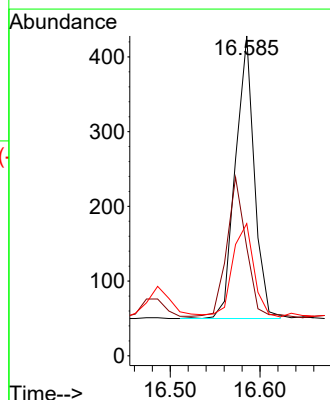
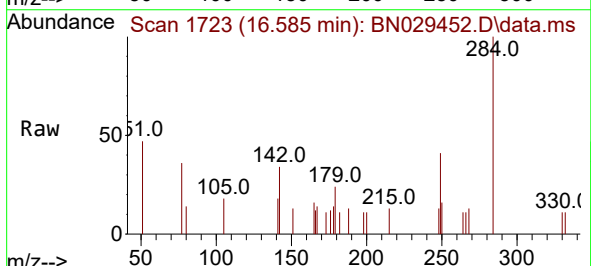
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

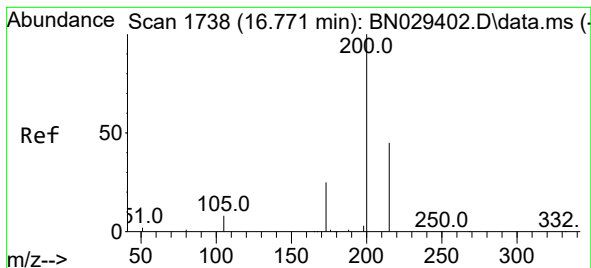
Tgt Ion:248 Resp: 453
Ion Ratio Lower Upper
248 100
250 97.7 75.0 112.4
141 72.8 77.0 115.6#



#22
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.585 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:284 Resp: 550
Ion Ratio Lower Upper
284 100
142 49.6 39.4 59.2
249 37.5 26.9 40.3





#23

Atrazine

Concen: 0.102 ng

RT: 16.759 min Scan# 1737

Delta R.T. -0.012 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

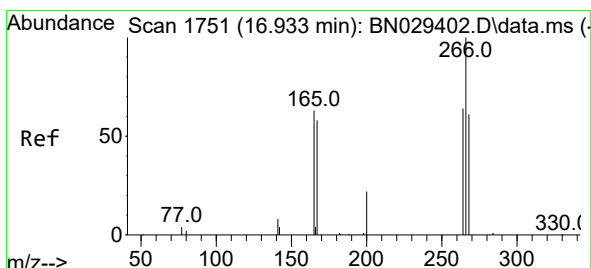
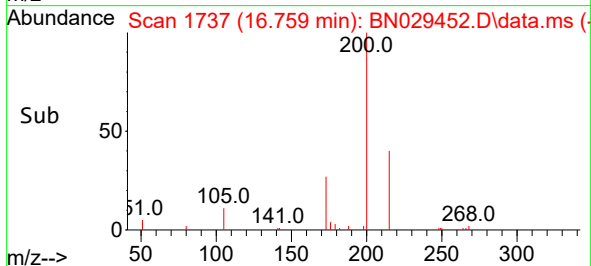
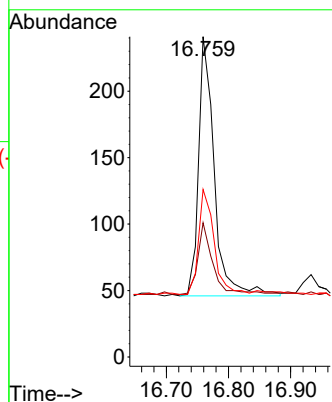
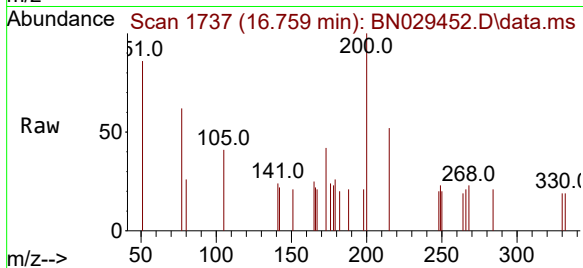
Tgt Ion:200 Resp: 345

Ion Ratio Lower Upper

200 100

173 41.9 23.4 35.0#

215 52.3 38.4 57.6



#24

Pentachlorophenol

Concen: 0.066 ng

RT: 16.933 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

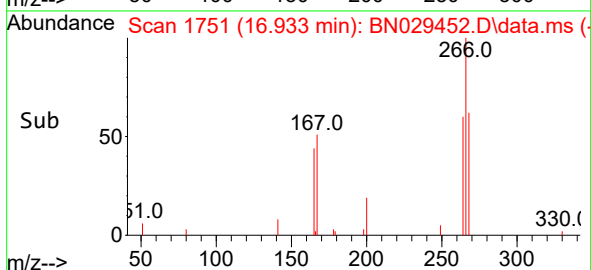
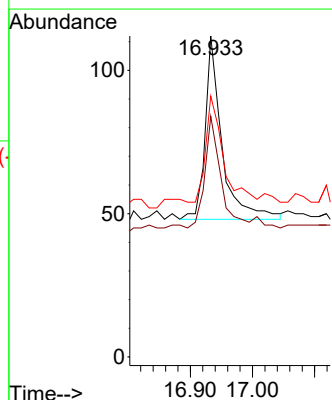
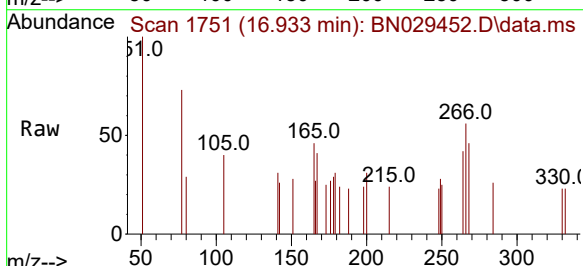
Tgt Ion:266 Resp: 121

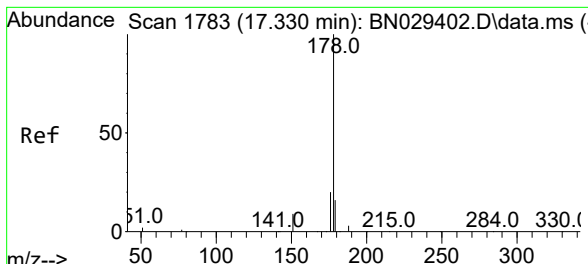
Ion Ratio Lower Upper

266 100

264 62.0 50.8 76.2

268 61.2 51.5 77.3

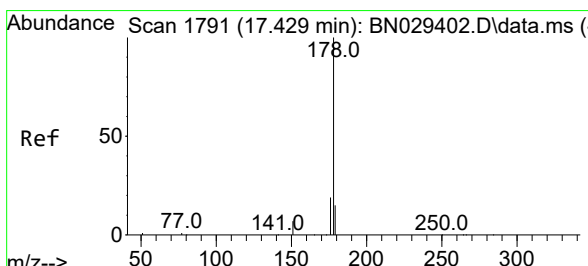
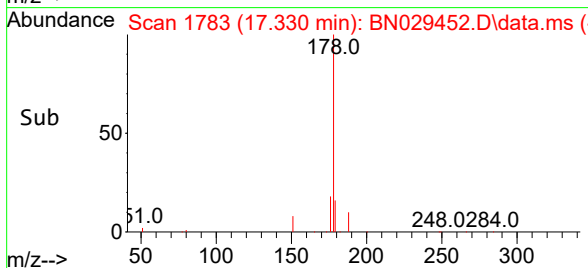
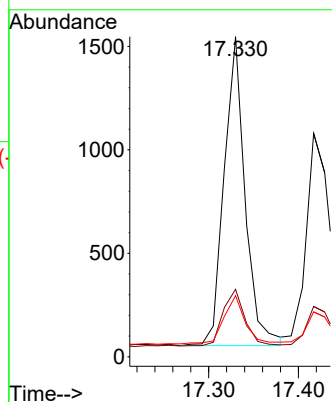
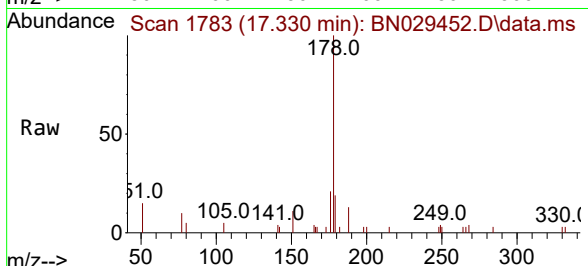




#25
 Phenanthrene
 Concen: 0.103 ng
 RT: 17.330 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

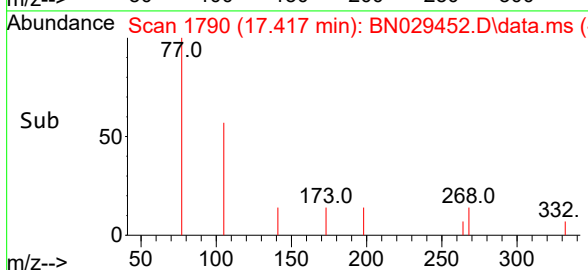
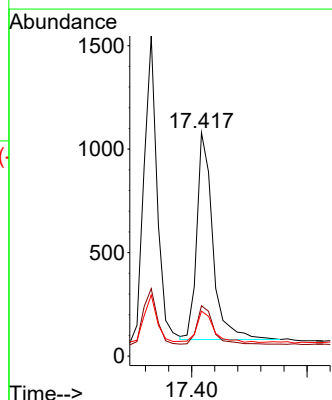
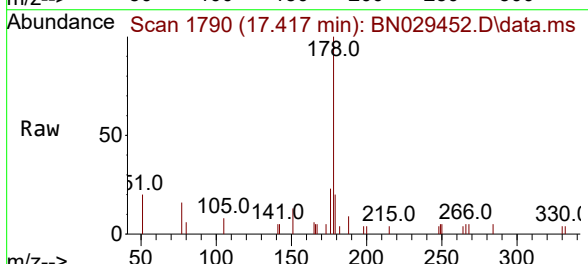
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

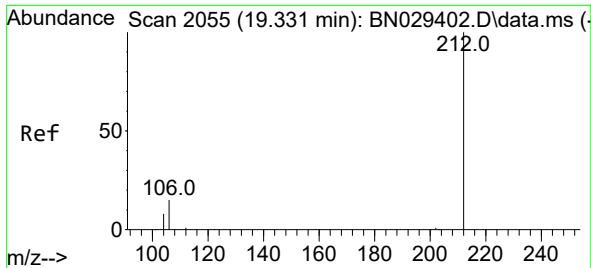
Tgt Ion:	178	Resp:	2432
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.9	12.6	19.0



#26
 Anthracene
 Concen: 0.096 ng
 RT: 17.417 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

Tgt Ion:	178	Resp:	1930
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.4	12.3	18.5

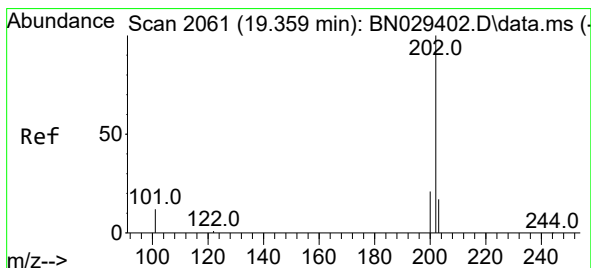
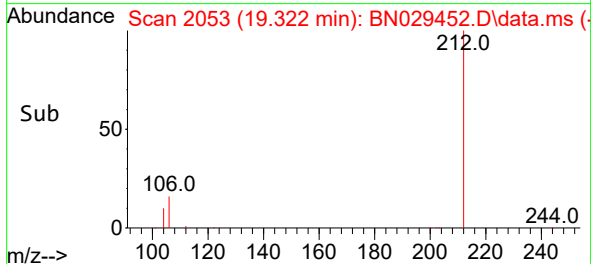
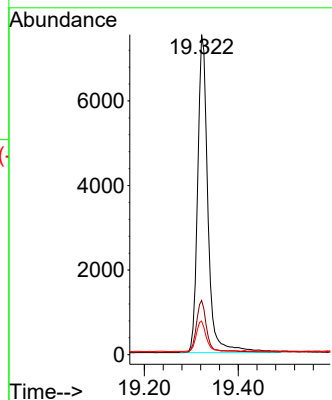
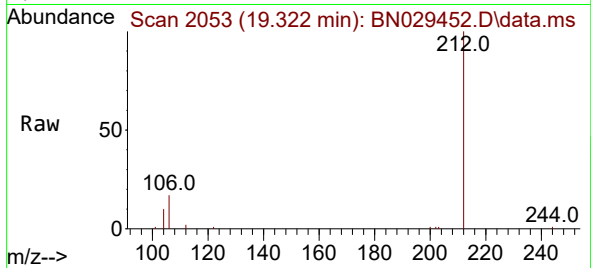




#27
Fluoranthene-d10
Concen: 0.592 ng
RT: 19.322 min Scan# 2053
Delta R.T. -0.009 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

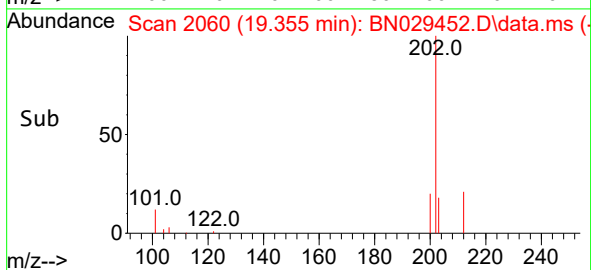
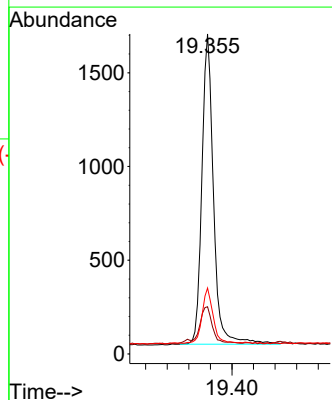
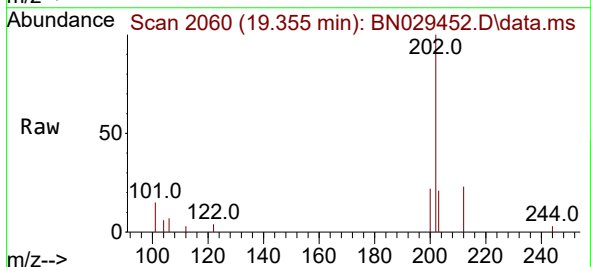
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

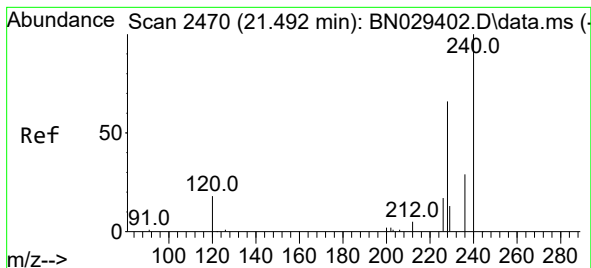
Tgt Ion:212 Resp: 11447
Ion Ratio Lower Upper
212 100
106 15.7 13.2 19.8
104 9.3 7.7 11.5



#28
Fluoranthene
Concen: 0.093 ng
RT: 19.355 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:202 Resp: 2477
Ion Ratio Lower Upper
202 100
101 13.5 10.5 15.7
203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.492 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

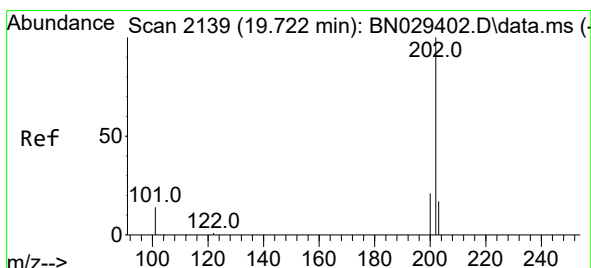
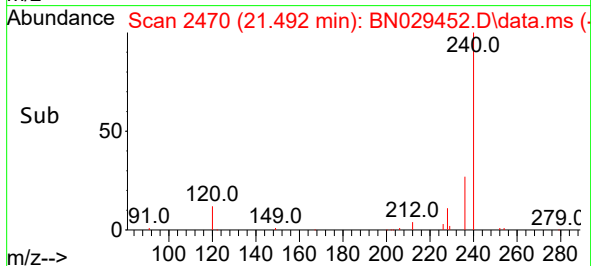
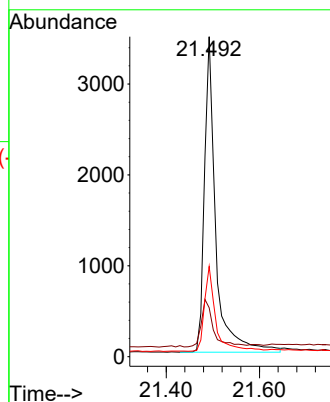
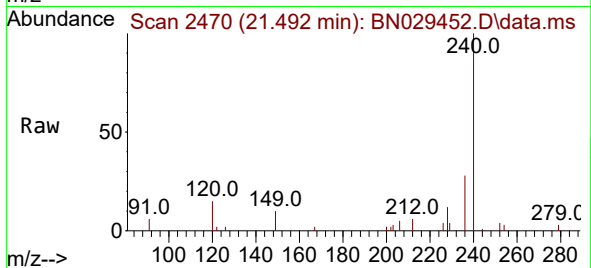
Tgt Ion:240 Resp: 5861

Ion Ratio Lower Upper

240 100

120 15.3 16.7 25.1#

236 28.2 23.9 35.9



#30

Pyrene

Concen: 0.092 ng

RT: 19.717 min Scan# 2138

Delta R.T. -0.005 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

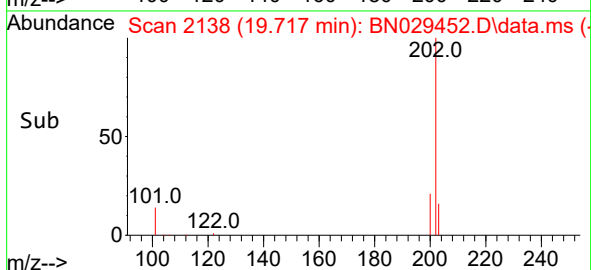
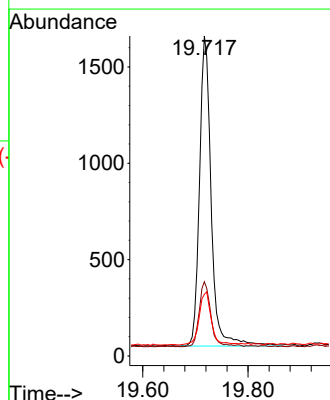
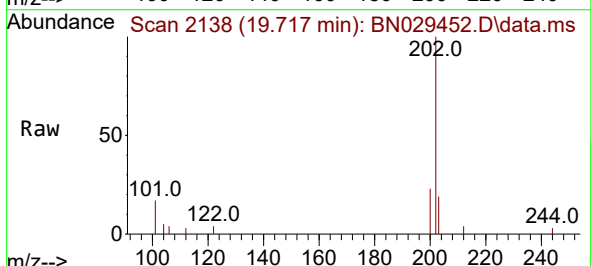
Tgt Ion:202 Resp: 2487

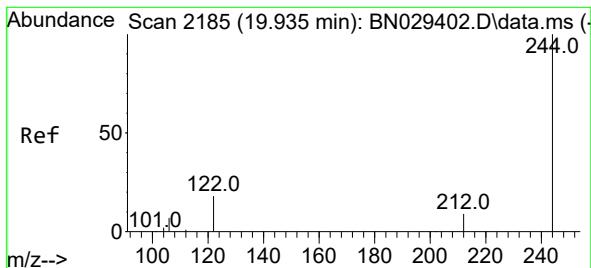
Ion Ratio Lower Upper

202 100

200 20.5 16.6 25.0

203 18.0 14.2 21.4





#31

Terphenyl-d14

Concen: 0.329 ng

RT: 19.931 min Scan# 2185

Delta R.T. -0.005 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

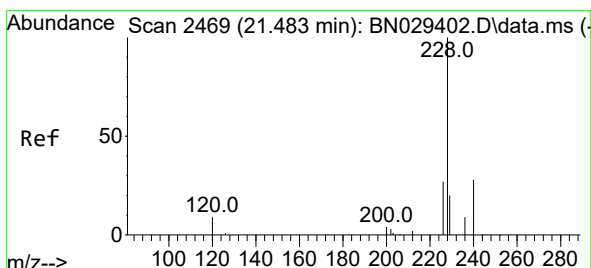
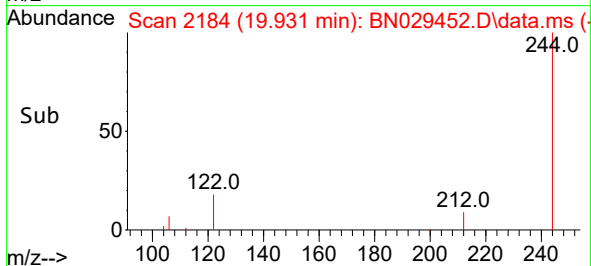
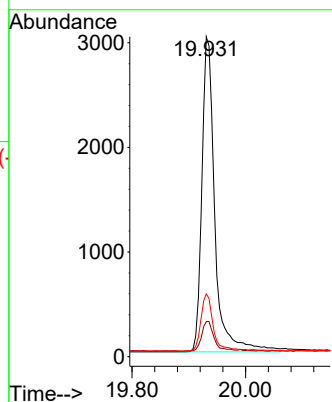
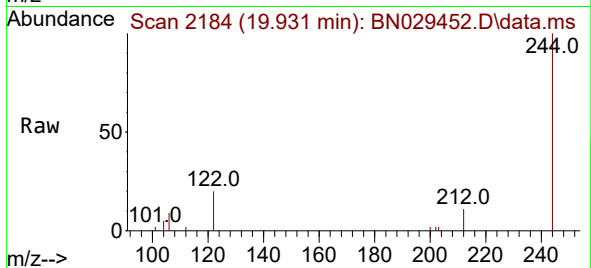
Tgt Ion:244 Resp: 4782

Ion Ratio Lower Upper

244 100

212 10.9 8.2 12.4

122 19.6 15.6 23.4



#32

Benzo(a)anthracene

Concen: 0.090 ng

RT: 21.474 min Scan# 2468

Delta R.T. -0.009 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

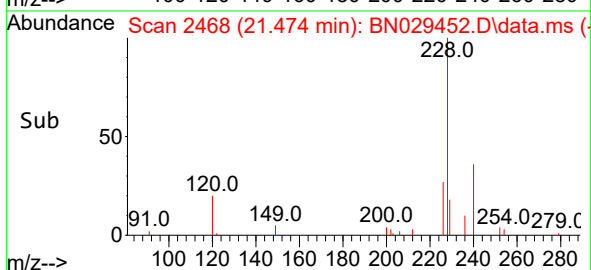
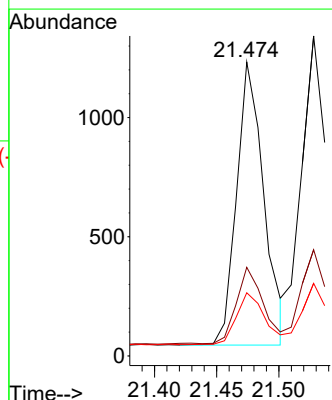
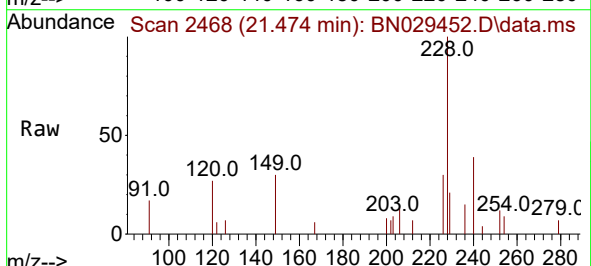
Tgt Ion:228 Resp: 1804

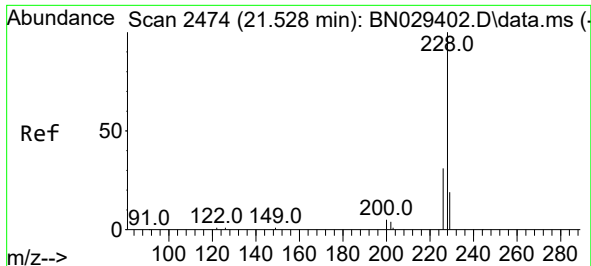
Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 21.5 16.5 24.7





#33

Chrysene

Concen: 0.091 ng

RT: 21.528 min Scan# 2474

Delta R.T. 0.000 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

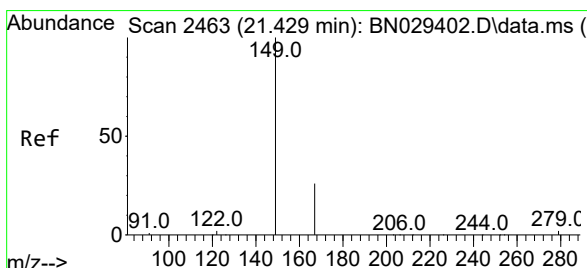
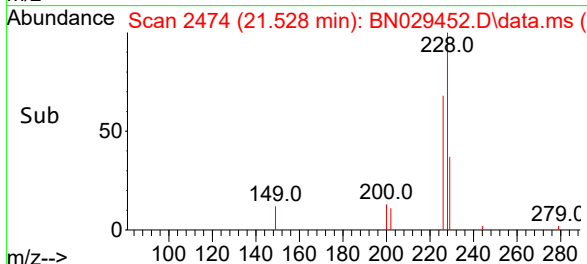
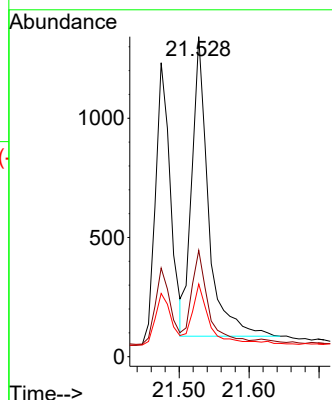
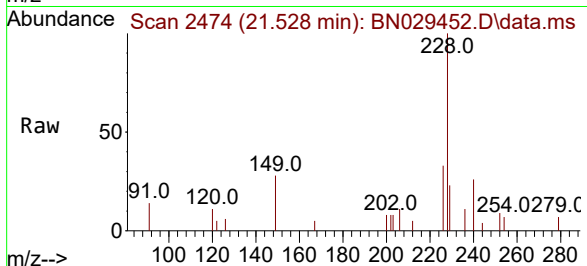
Tgt Ion:228 Resp: 2073

Ion Ratio Lower Upper

228 100

226 33.2 24.9 37.3

229 22.7 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

RT: 21.420 min Scan# 2462

Delta R.T. -0.009 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

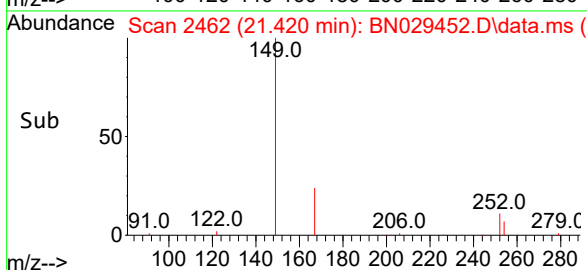
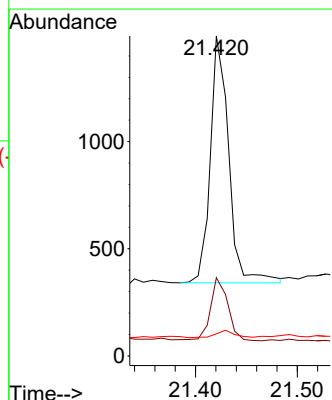
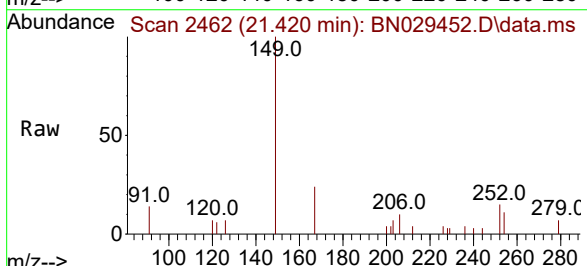
Tgt Ion:149 Resp: 1447

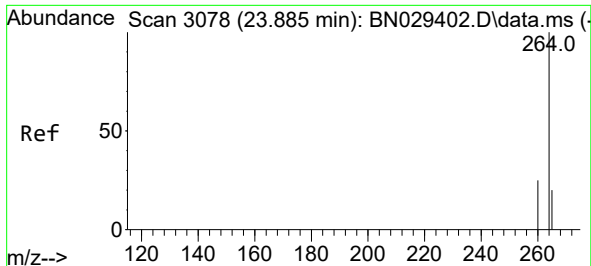
Ion Ratio Lower Upper

149 100

167 24.1 20.1 30.1

279 3.0 2.5 3.7





#35
Perylene-d12

Concen: 0.400 ng

RT: 23.876 min Scan# 3078

Delta R.T. -0.009 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

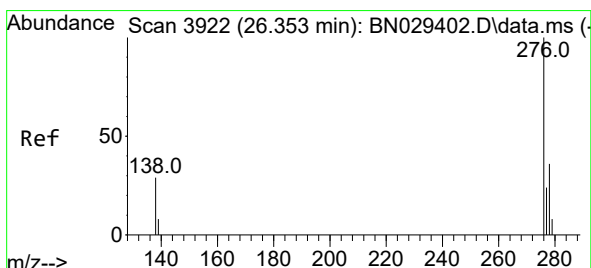
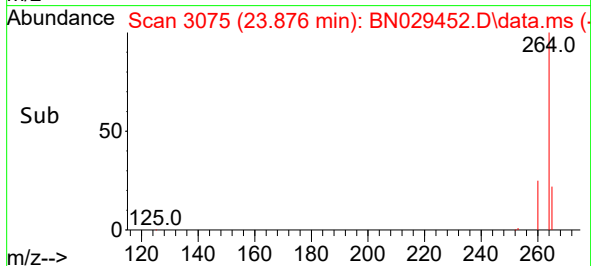
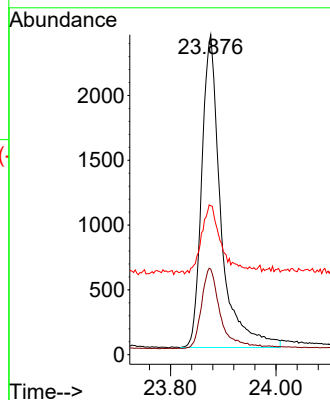
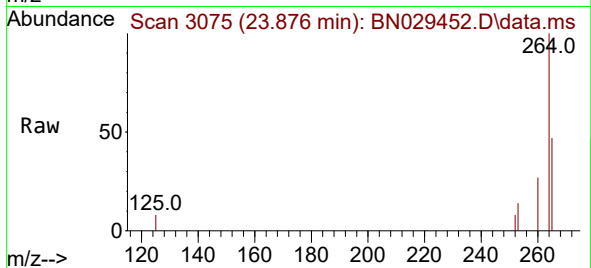
Tgt Ion:264 Resp: 6088

Ion Ratio Lower Upper

264 100

260 26.7 21.2 31.8

265 46.5 41.5 62.3



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.082 ng

RT: 26.335 min Scan# 3916

Delta R.T. -0.018 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

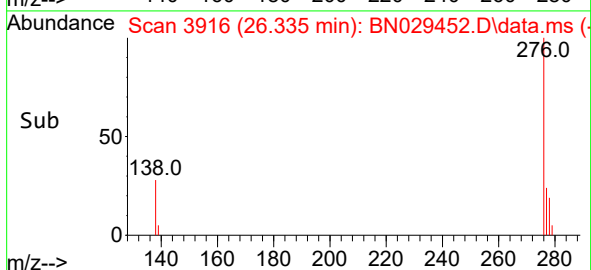
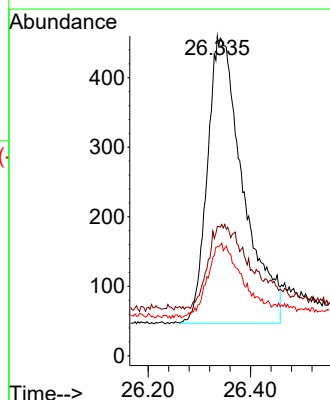
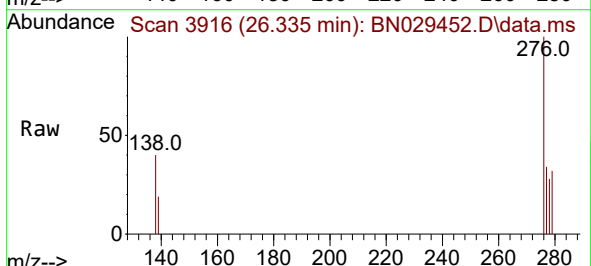
Tgt Ion:276 Resp: 1996

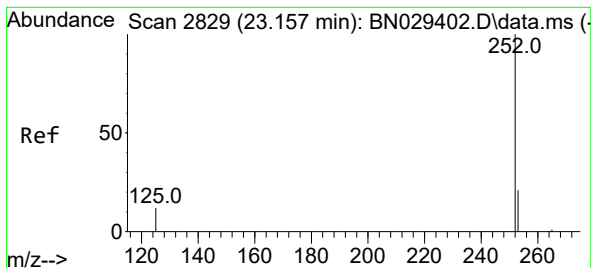
Ion Ratio Lower Upper

276 100

138 17.5 20.5 30.7#

277 24.7 17.0 25.4





#37

Benzo(b)fluoranthene

Concen: 0.084 ng

RT: 23.151 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

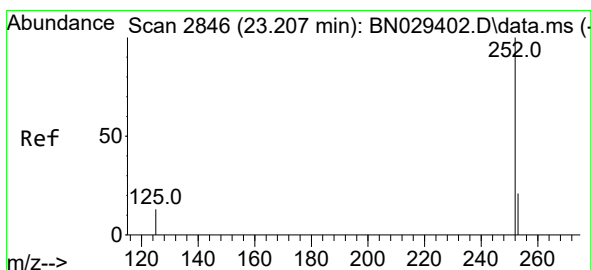
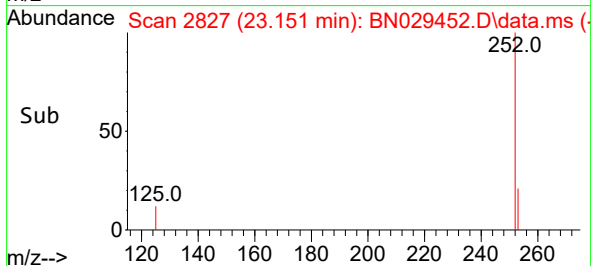
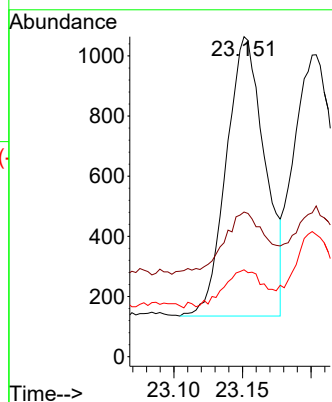
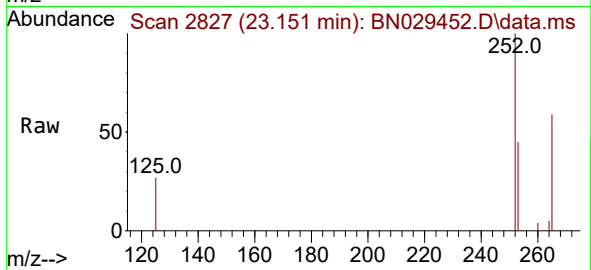
Tgt Ion:252 Resp: 1821

Ion Ratio Lower Upper

252 100

253 45.2 21.7 32.5#

125 27.2 13.3 19.9#



#38

Benzo(k)fluoranthene

Concen: 0.080 ng

RT: 23.204 min Scan# 2845

Delta R.T. -0.003 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

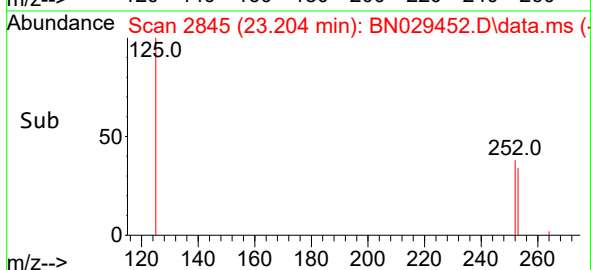
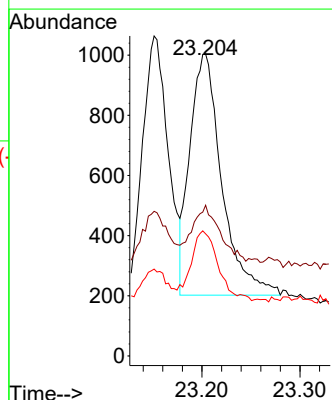
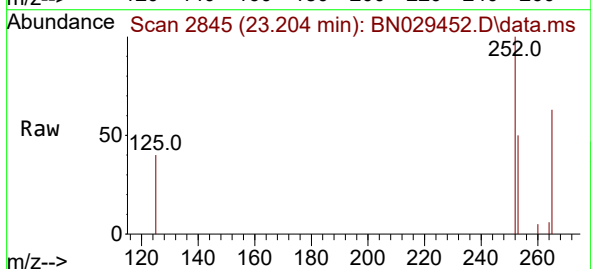
Tgt Ion:252 Resp: 1819

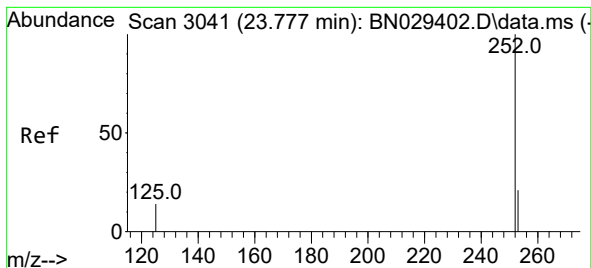
Ion Ratio Lower Upper

252 100

253 49.9 21.8 32.8#

125 40.4 13.9 20.9#





#39

Benzo(a)pyrene

Concen: 0.086 ng

RT: 23.771 min Scan# 3041

Delta R.T. -0.006 min

Lab File: BN029452.D

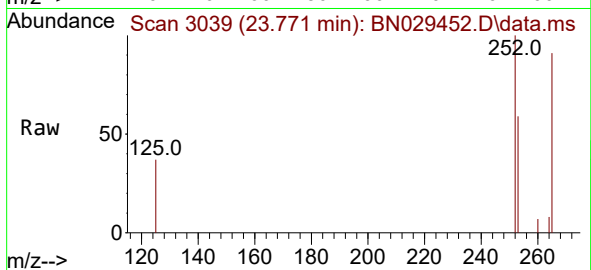
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023



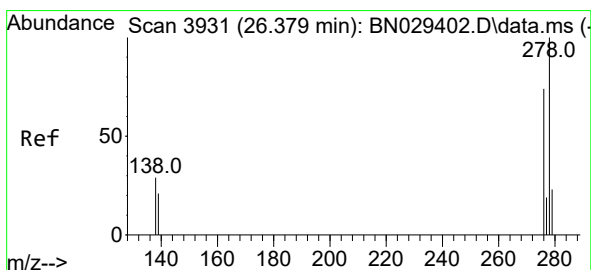
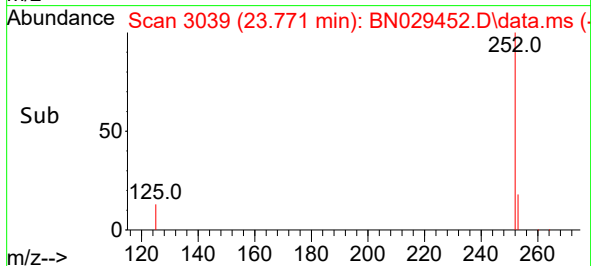
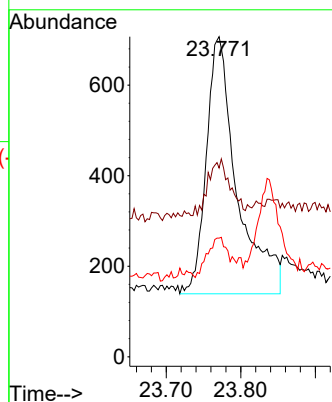
Tgt Ion:252 Resp: 1628

Ion Ratio Lower Upper

252 100

253 59.0 24.9 37.3#

125 37.1 16.6 25.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.078 ng

RT: 26.373 min Scan# 3929

Delta R.T. -0.006 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

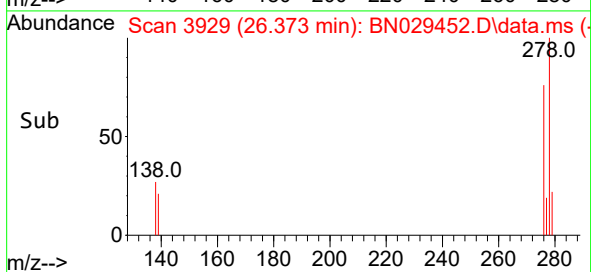
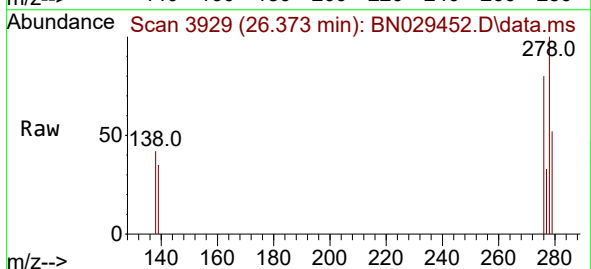
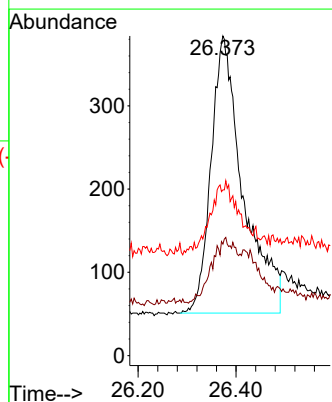
Tgt Ion:278 Resp: 1513

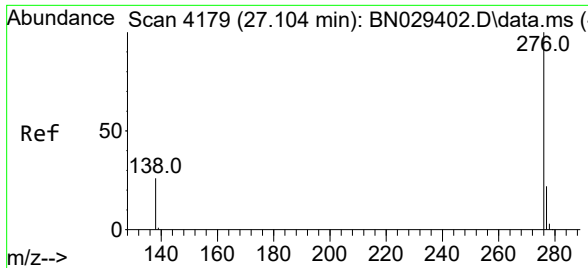
Ion Ratio Lower Upper

278 100

139 34.9 20.4 30.6#

279 51.8 25.0 37.6#





#41

Benzo(g,h,i)perylene

Concen: 0.083 ng

RT: 27.086 min Scan# 41

Delta R.T. -0.018 min

Lab File: BN029452.D

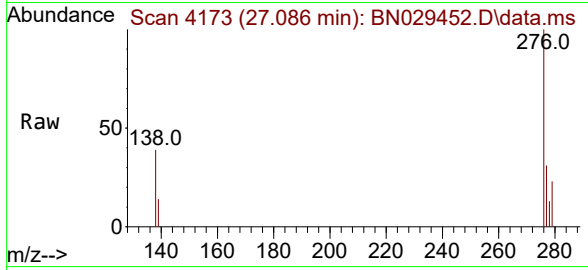
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:276 Resp: 1967

Ion Ratio Lower Upper

276 100

277 30.7 19.4 29.2#

138 38.9 23.5 35.3#

