

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022223\
 Data File : BN024085.D
 Acq On : 22 Feb 2023 11:41
 Operator : CG/JU
 Sample : 01378-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Feb 23 02:34:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 14:45:13 2023
 Response via : Initial Calibration

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

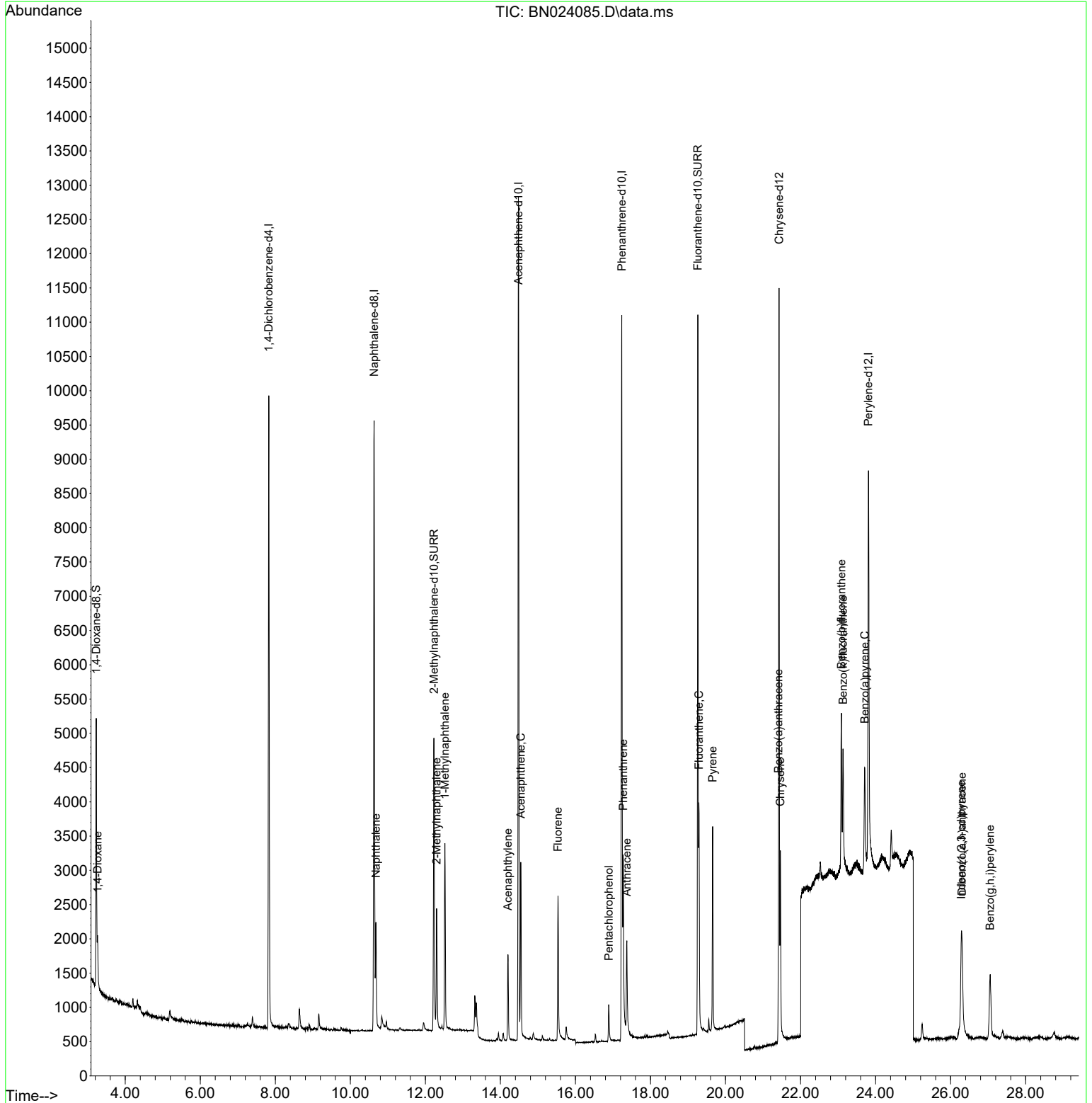
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	4704	0.400	ng/ul	0.00
4) Naphthalene-d8	10.634	136	12357	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.479	164	6830	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.234	188	13750	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.428	240	9708	0.400	ng/ul	# 0.00
23) Perylene-d12	23.810	264	7785	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.227	96	2545	0.505	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.228	152	5790	0.299	ng/ul	0.00
18) Fluoranthene-d10	19.262	212	11612	0.445	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.264	88	529	0.099	ng/ul#	75
5) Naphthalene	10.683	128	2061	0.061	ng/ul	95
7) 2-Methylnaphthalene	12.300	142	1284	0.058	ng/ul	99
8) 1-Methylnaphthalene	12.520	142	1892	0.084	ng/ul	99
10) Acenaphthylene	14.201	152	1520	0.058	ng/ul#	92
11) Acenaphthene	14.543	153	1435	0.062	ng/ul	95
12) Fluorene	15.533	166	1548	0.056	ng/ul#	93
14) Pentachlorophenol	16.888	266	427	0.094	ng/ul	99
15) Phenanthrene	17.272	178	2503	0.061	ng/ul#	91
16) Anthracene	17.369	178	1864	0.054	ng/ul#	90
19) Fluoranthene	19.295	202	2703	0.084	ng/ul#	92
20) Pyrene	19.657	202	2652	0.079	ng/ul#	89
21) Benzo(a)anthracene	21.410	228	1914	0.058	ng/ul	96
22) Chrysene	21.463	228	2250	0.065	ng/ul	95
24) Benzo(b)fluoranthene	23.088	252	2519	0.073	ng/ul#	56
25) Benzo(k)fluoranthene	23.132	252	2256	0.067	ng/ul#	57
26) Benzo(a)pyrene	23.710	252	2160	0.075	ng/ul#	20
27) Indeno(1,2,3-cd)pyrene	26.280	276	2506	0.062	ng/ul#	55
28) Dibenzo(a,h)anthracene	26.304	278	1901	0.059	ng/ul#	63
29) Benzo(g,h,i)perylene	27.055	276	2158	0.065	ng/ul#	83

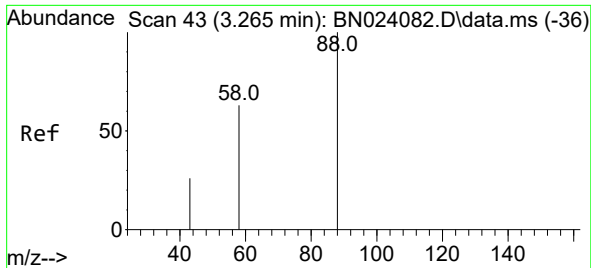
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 23 02:34:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 14:45:13 2023
 Response via : Initial Calibration

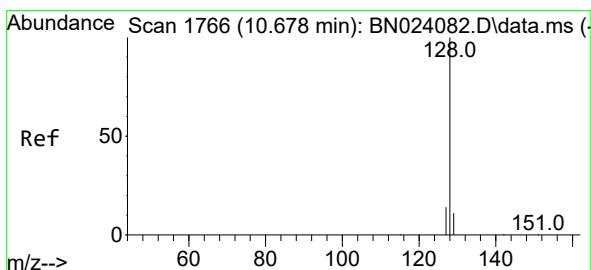
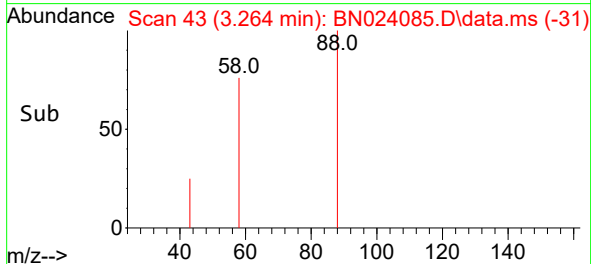
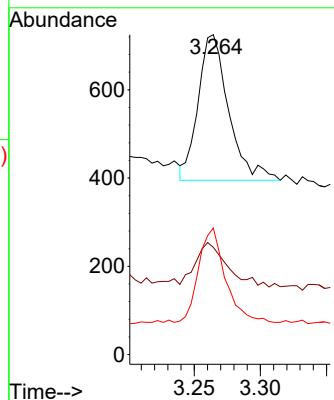
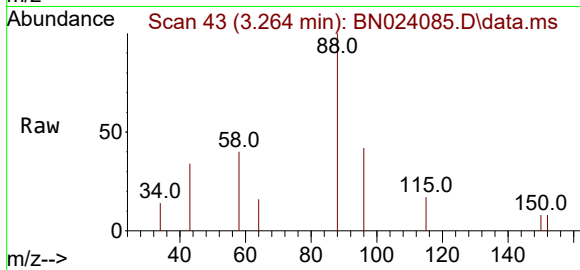




#2
 1,4-Dioxane
 Concen: 0.099 ng/ul
 RT: 3.264 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

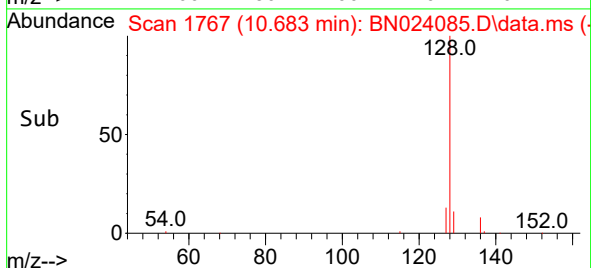
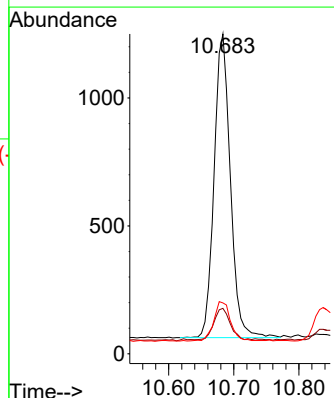
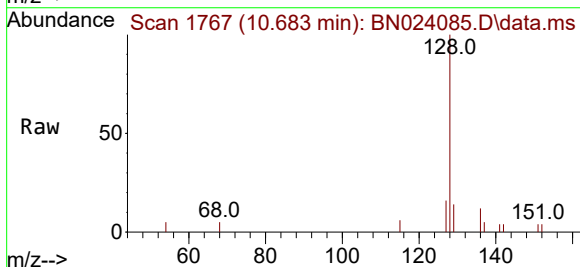
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

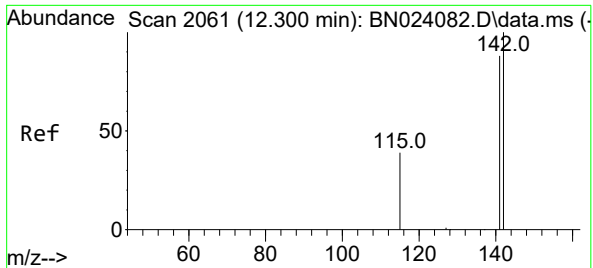
Tgt Ion	Resp	Lower	Upper
88	100		
43	33.5	41.9	62.9#
58	39.6	45.6	68.4#



#5
 Naphthalene
 Concen: 0.061 ng/ul
 RT: 10.683 min Scan# 1767
 Delta R.T. -0.006 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion	Resp	Lower	Upper
128	100		
129	14.2	9.7	14.5
127	15.9	11.1	16.7

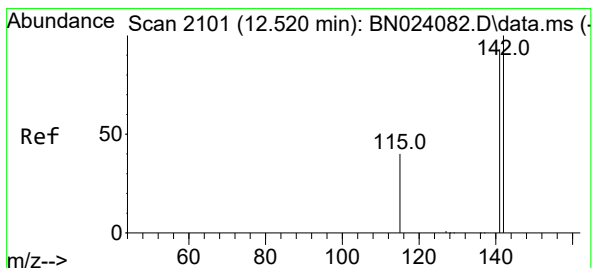
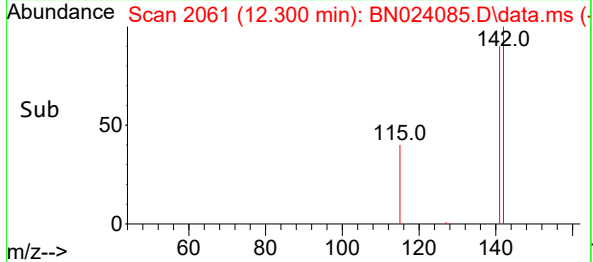
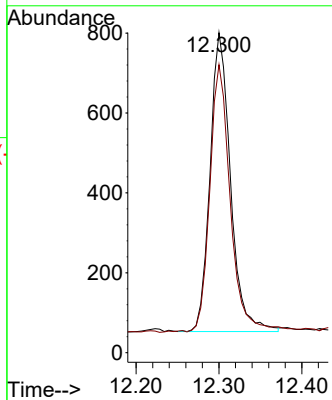
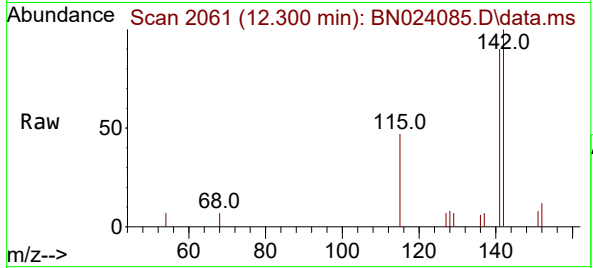




#7
 2-Methylnaphthalene
 Concen: 0.058 ng/ul
 RT: 12.300 min Scan# 2061
 Delta R.T. -0.006 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

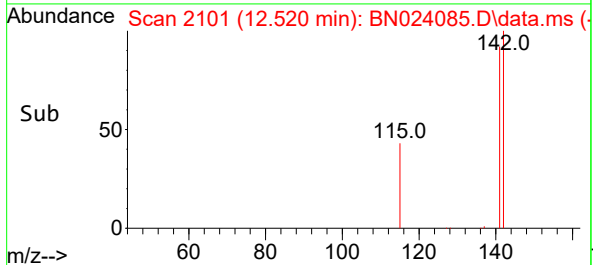
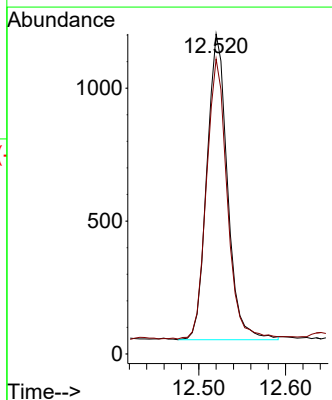
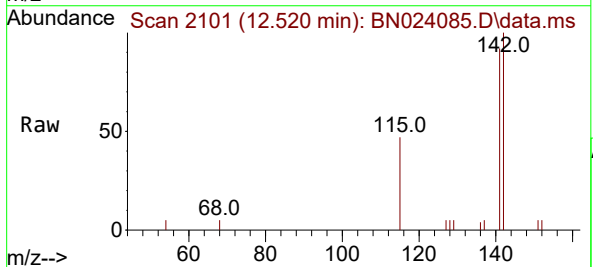
Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT1-2023-02

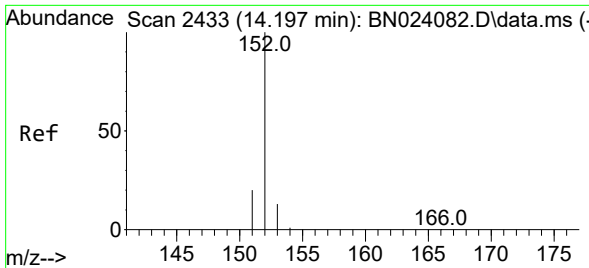
Tgt Ion:142 Resp: 1284
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.6 107.4



#8
 1-Methylnaphthalene
 Concen: 0.084 ng/ul
 RT: 12.520 min Scan# 2101
 Delta R.T. -0.006 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

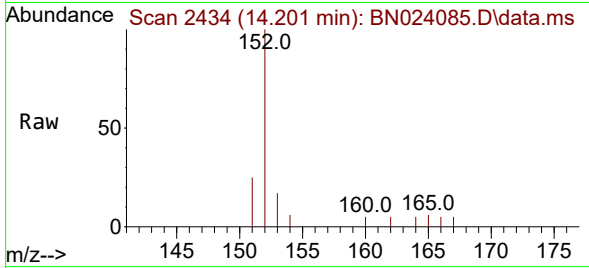
Tgt Ion:142 Resp: 1892
 Ion Ratio Lower Upper
 142 100
 141 91.8 74.1 111.1



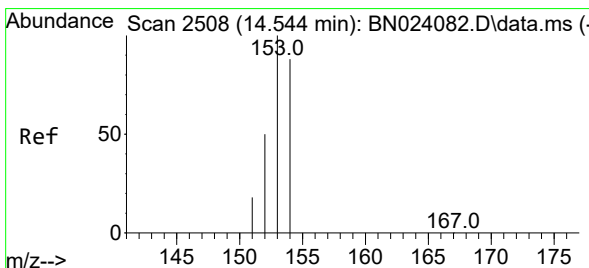
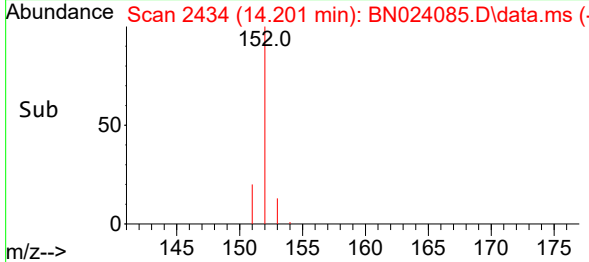
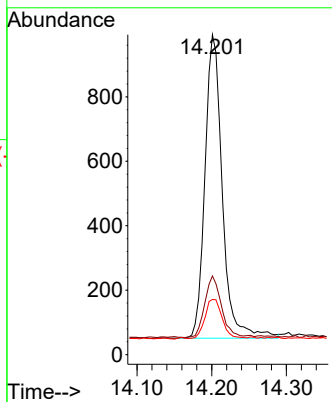


#10
 Acenaphthylene
 Concen: 0.058 ng/uI
 RT: 14.201 min Scan# 2433
 Delta R.T. -0.009 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

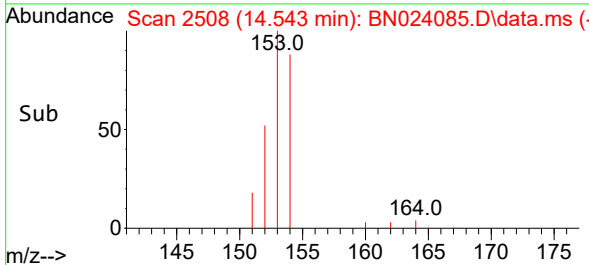
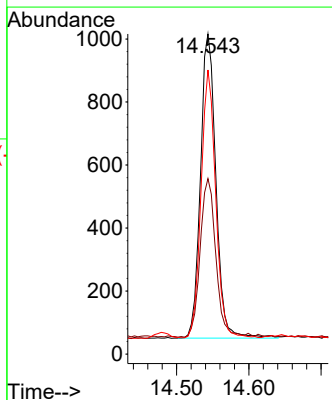
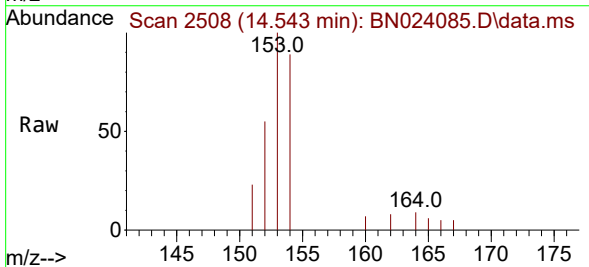


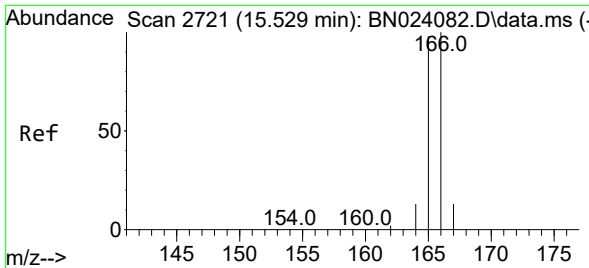
Tgt Ion:152 Resp: 1520
 Ion Ratio Lower Upper
 152 100
 151 24.6 17.0 25.4
 153 17.2 11.1 16.7#



#11
 Acenaphthene
 Concen: 0.062 ng/uI
 RT: 14.543 min Scan# 2508
 Delta R.T. -0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:153 Resp: 1435
 Ion Ratio Lower Upper
 153 100
 152 54.8 39.6 59.4
 154 88.8 68.8 103.2



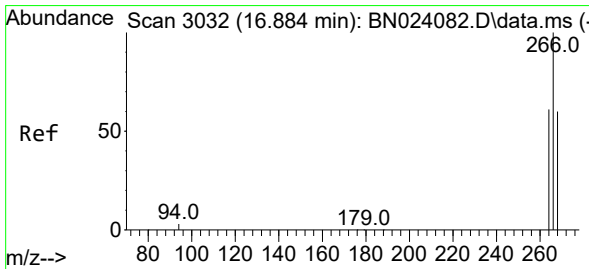
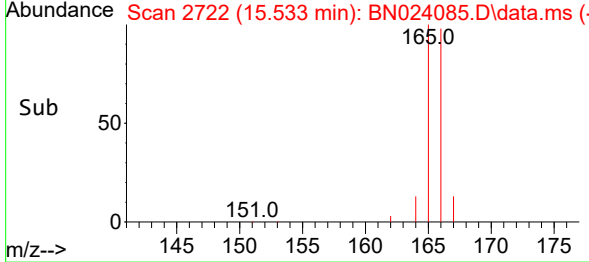
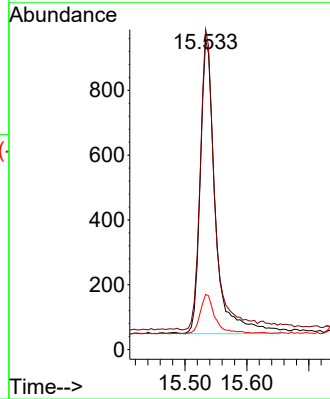
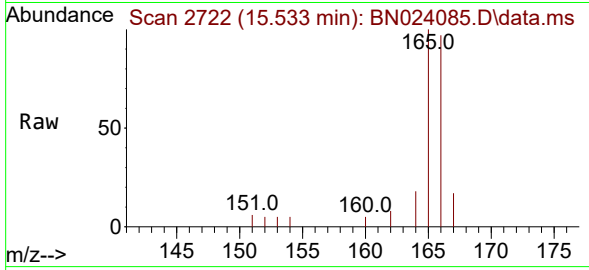


#12
 Fluorene
 Concen: 0.056 ng/u1
 RT: 15.533 min Scan# 2722
 Delta R.T. -0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Tgt Ion:166 Resp: 1548

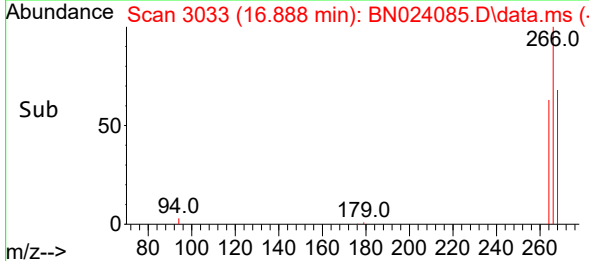
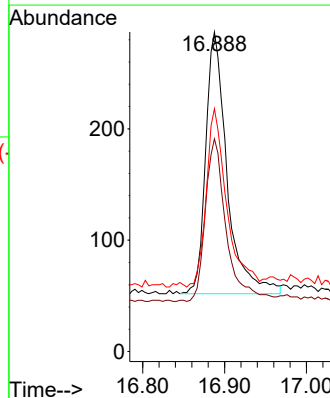
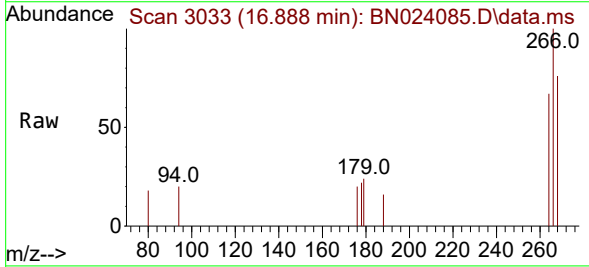
Ion	Ratio	Lower	Upper
166	100		
165	103.0	77.4	116.2
167	17.7	11.4	17.0#

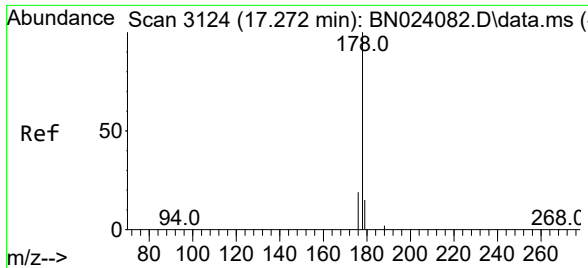


#14
 Pentachlorophenol
 Concen: 0.094 ng/u1
 RT: 16.888 min Scan# 3033
 Delta R.T. -0.004 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:266 Resp: 427

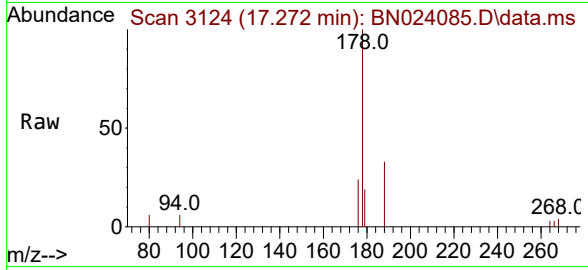
Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.4	74.0
268	65.3	52.0	78.0





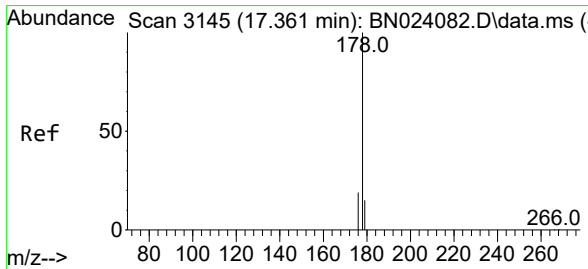
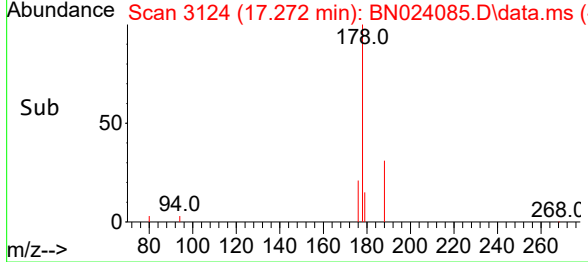
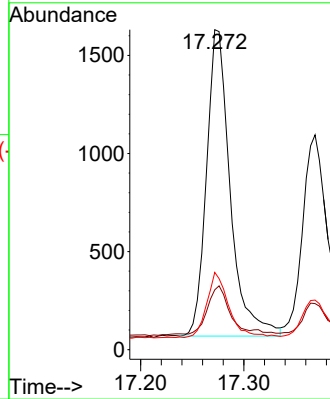
#15
 Phenanthrene
 Concen: 0.061 ng/u1
 RT: 17.272 min Scan# 3124
 Delta R.T. -0.009 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT1-2023-02



Tgt Ion:178 Resp: 2503

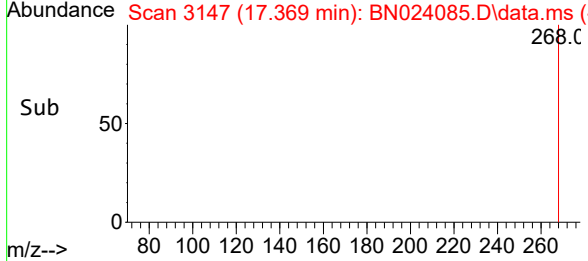
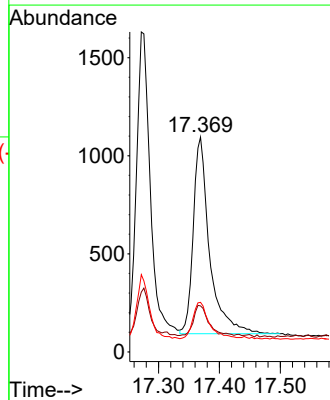
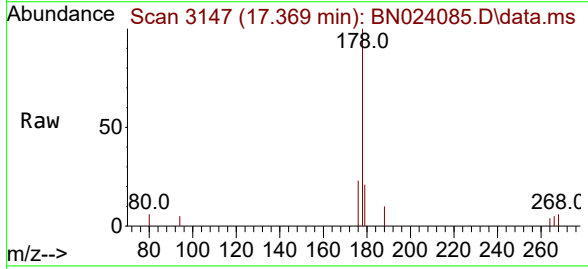
Ion	Ratio	Lower	Upper
178	100		
179	18.7	12.6	19.0
176	24.2	15.7	23.5#

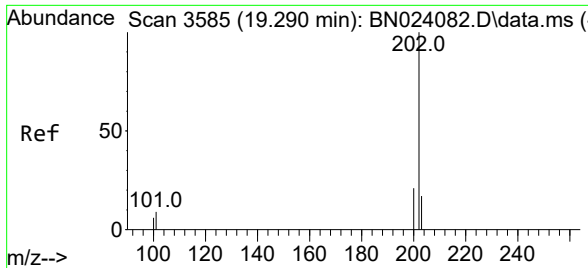


#16
 Anthracene
 Concen: 0.054 ng/u1
 RT: 17.369 min Scan# 3147
 Delta R.T. -0.000 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:178 Resp: 1864

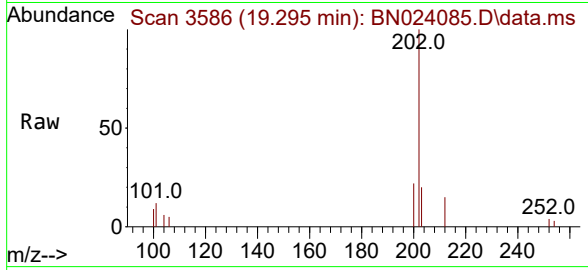
Ion	Ratio	Lower	Upper
178	100		
179	21.5	13.4	20.0#
176	23.1	15.4	23.2





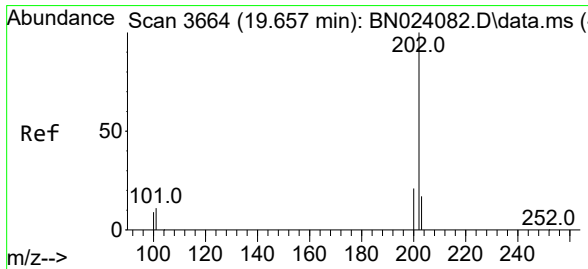
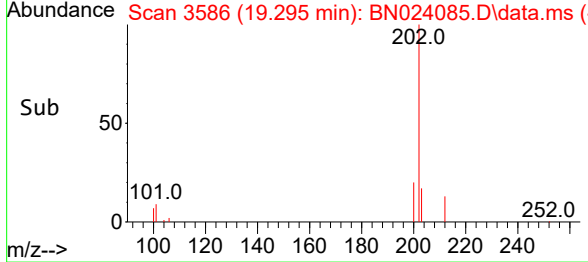
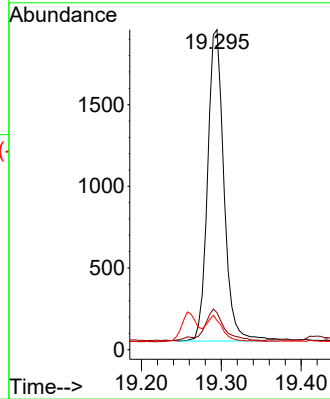
#19
 Fluoranthene
 Concen: 0.084 ng/u1
 RT: 19.295 min Scan# 3586
 Delta R.T. -0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT1-2023-02



Tgt Ion:202 Resp: 2703

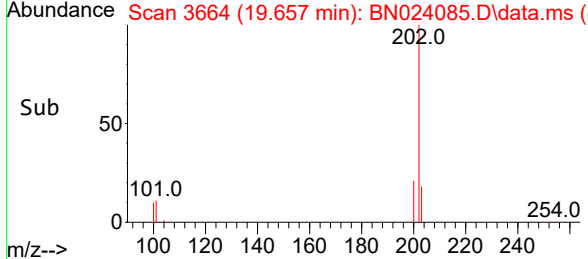
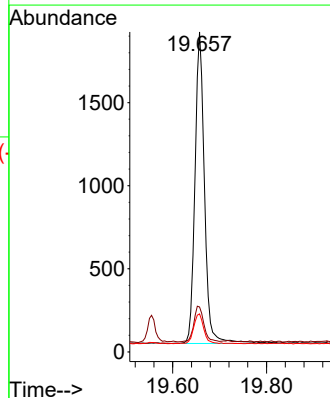
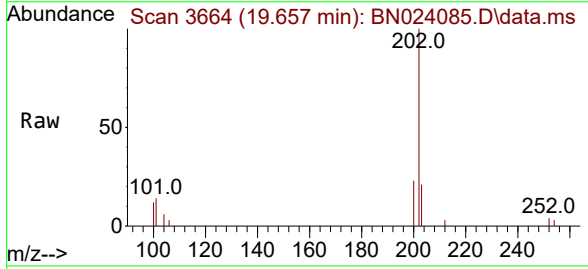
Ion	Ratio	Lower	Upper
202	100		
101	11.5	6.8	10.2#
100	9.1	5.2	7.8#

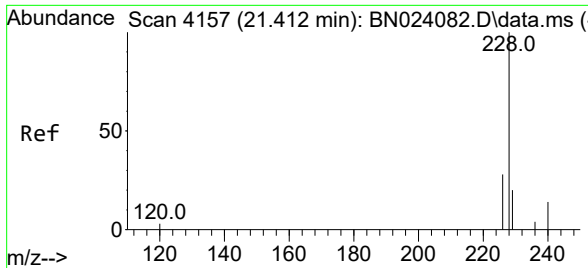


#20
 Pyrene
 Concen: 0.079 ng/u1
 RT: 19.657 min Scan# 3664
 Delta R.T. -0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:202 Resp: 2652

Ion	Ratio	Lower	Upper
202	100		
101	14.0	8.1	12.1#
100	11.9	6.2	9.4#



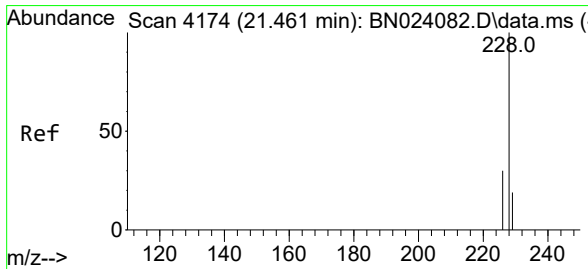
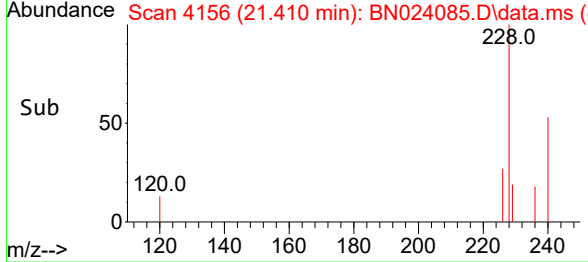
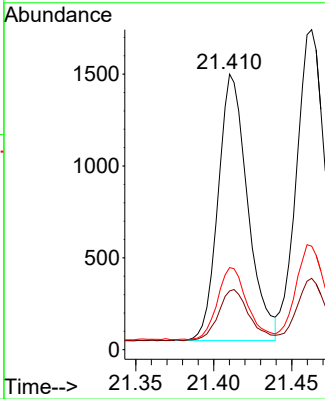
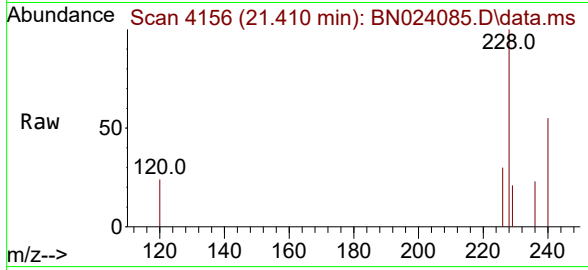


#21
 Benzo(a)anthracene
 Concen: 0.058 ng/u1
 RT: 21.410 min Scan# 4156
 Delta R.T. -0.001 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Tgt Ion:228 Resp: 1914

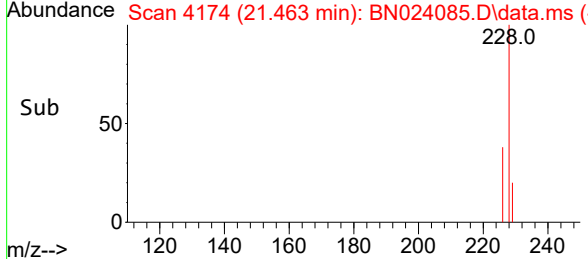
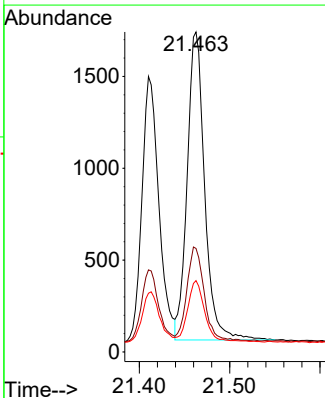
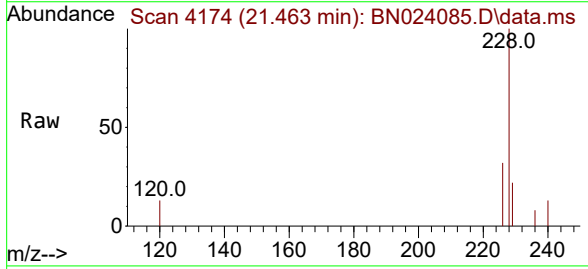
Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	29.8	22.0	33.0

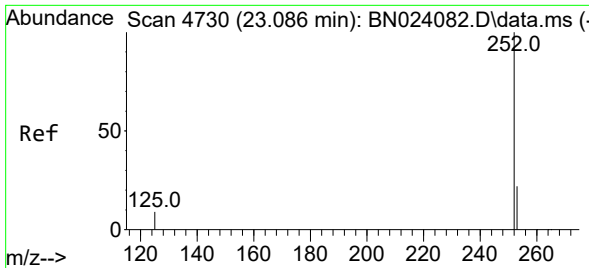


#22
 Chrysene
 Concen: 0.065 ng/u1
 RT: 21.463 min Scan# 4174
 Delta R.T. -0.004 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:228 Resp: 2250

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.2	36.2
229	22.3	15.5	23.3



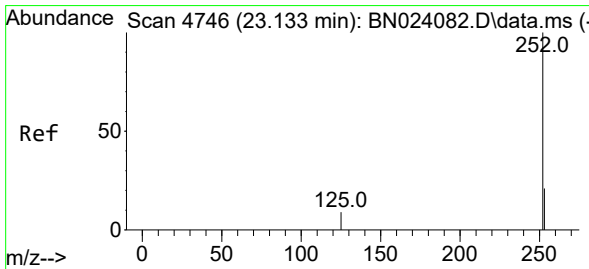
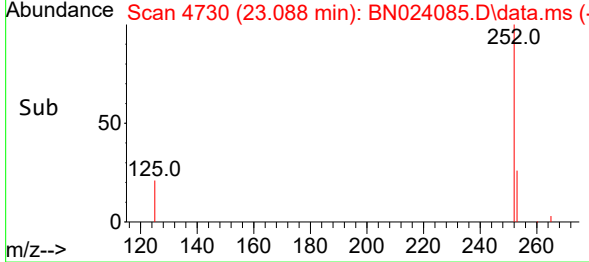
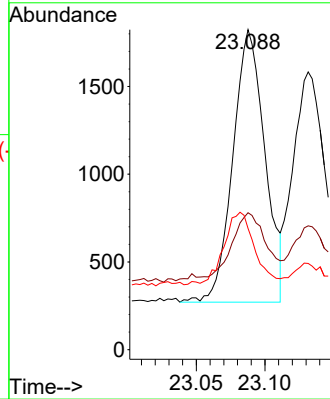
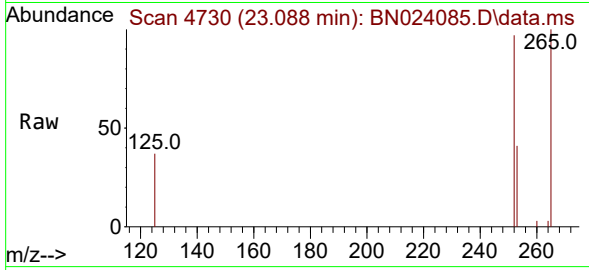


#24
 Benzo(b)fluoranthene
 Concen: 0.073 ng/u1
 RT: 23.088 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Tgt Ion:252 Resp: 2519

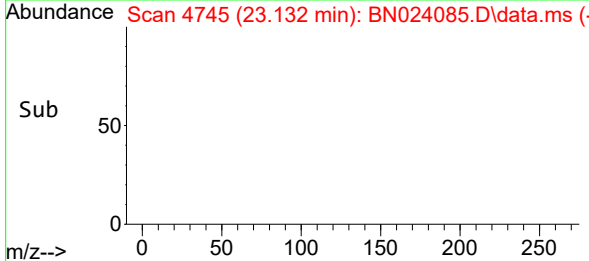
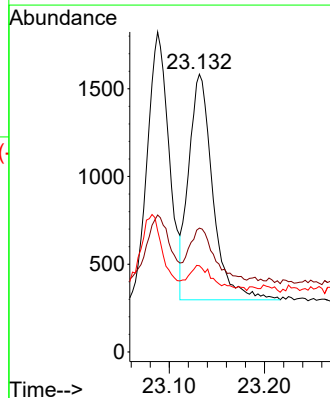
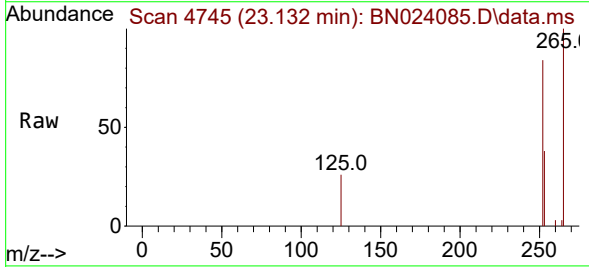
Ion	Ratio	Lower	Upper
252	100		
253	42.8	0.0	51.8
125	37.9	0.0	23.6#

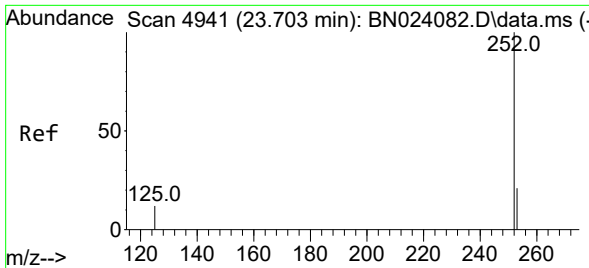


#25
 Benzo(k)fluoranthene
 Concen: 0.067 ng/u1
 RT: 23.132 min Scan# 4745
 Delta R.T. -0.007 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:252 Resp: 2256

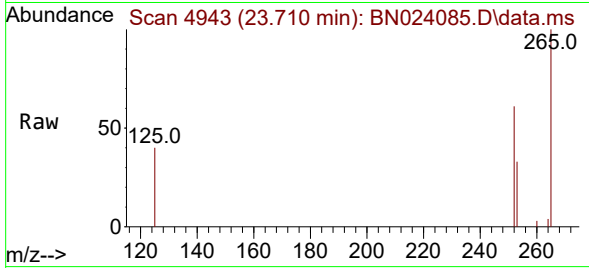
Ion	Ratio	Lower	Upper
252	100		
253	44.6	20.2	30.2#
125	31.0	9.0	13.4#



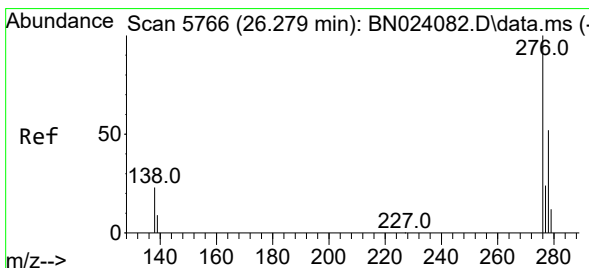
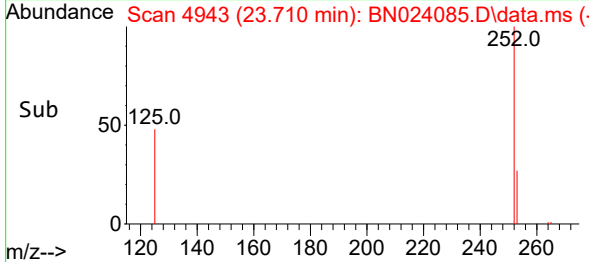
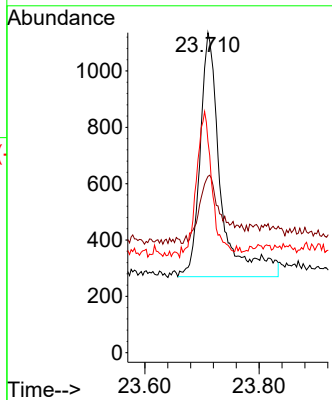


#26
 Benzo(a)pyrene
 Concen: 0.075 ng/u1
 RT: 23.710 min Scan# 4941
 Delta R.T. 0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT1-2023-02

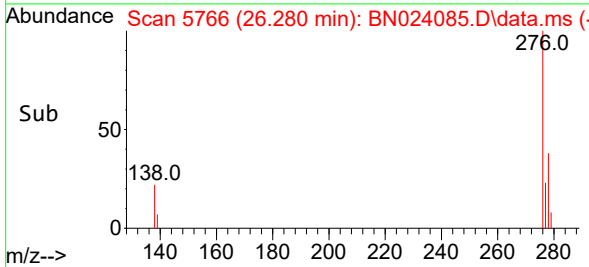
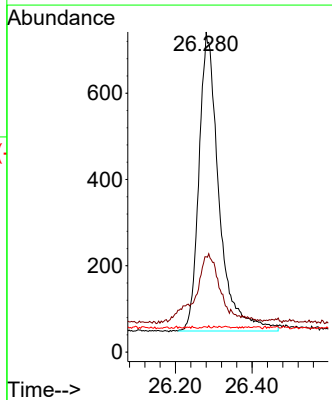
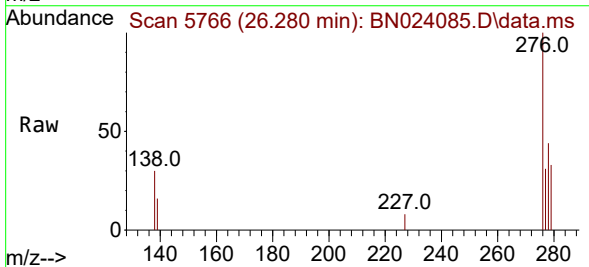


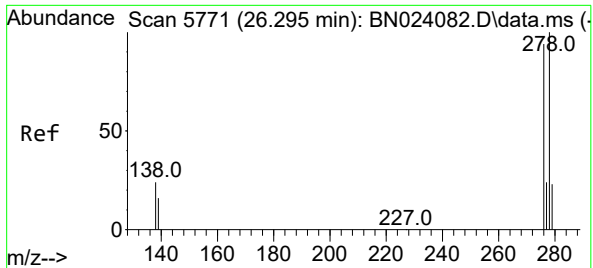
Tgt Ion:252 Resp: 2160
 Ion Ratio Lower Upper
 252 100
 253 55.1 21.5 32.3#
 125 66.0 11.2 16.8#



#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.062 ng/u1
 RT: 26.280 min Scan# 5766
 Delta R.T. -0.012 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion:276 Resp: 2506
 Ion Ratio Lower Upper
 276 100
 138 0.0 17.0 25.6#
 227 0.2 0.2 0.4#

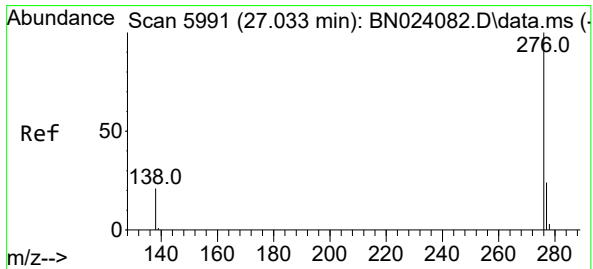
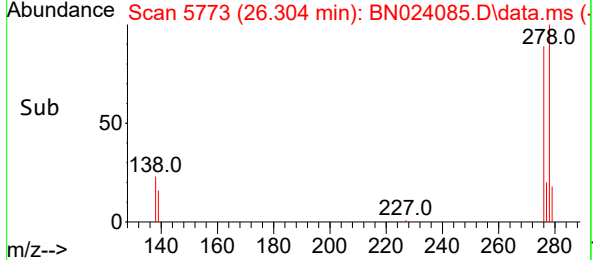
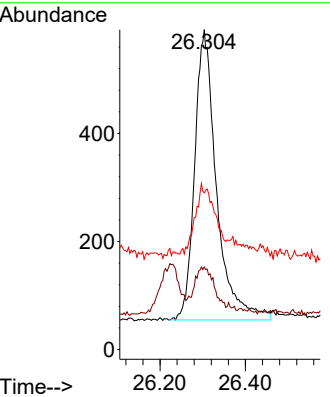
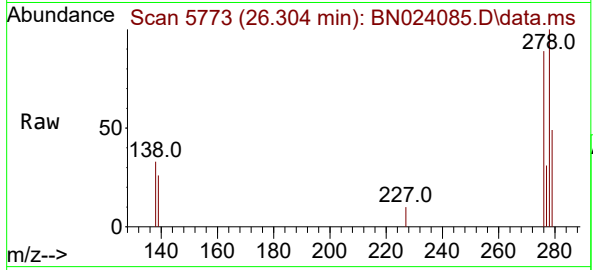




#28
 Dibenzo(a,h)anthracene
 Concen: 0.059 ng/ul
 RT: 26.304 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-QT1-2023-02

Tgt Ion	Resp	Lower	Upper
278	100		
139	25.8	12.3	18.5#
279	49.0	21.4	32.0#



#29
 Benzo(g,h,i)perylene
 Concen: 0.065 ng/ul
 RT: 27.055 min Scan# 5997
 Delta R.T. 0.008 min
 Lab File: BN024085.D
 Acq: 22 Feb 2023 11:41

Tgt Ion	Resp	Lower	Upper
276	100		
138	28.3	15.3	22.9#
277	31.9	19.9	29.9#

