

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022123\
 Data File : BN024078.D
 Acq On : 21 Feb 2023 12:29
 Operator : CG/JU
 Sample : 01378-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Feb 22 01:30:11 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)

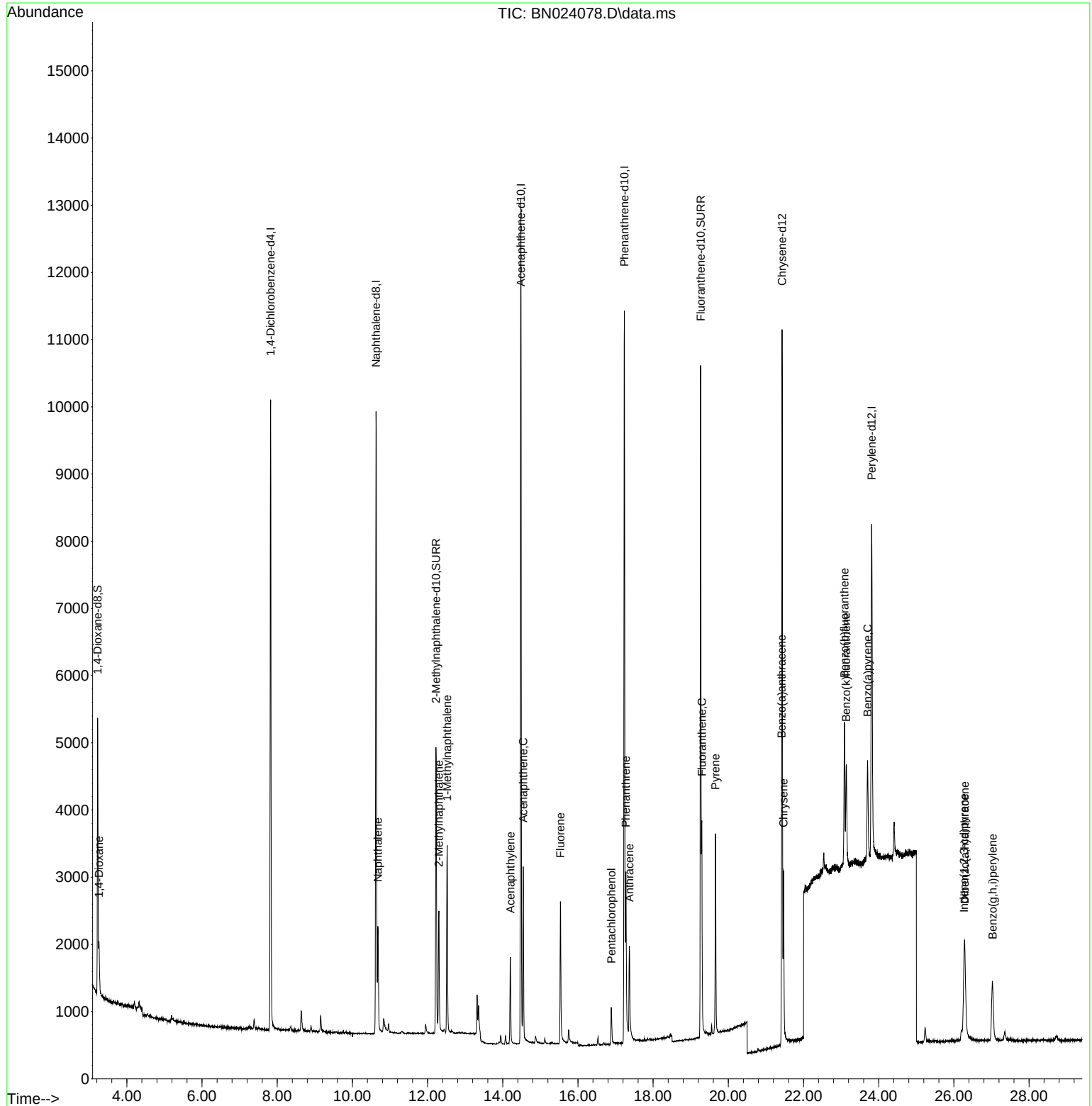
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	4797	0.400	ng/ul	0.00
4) Naphthalene-d8	10.628	136	12540	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.479	164	6885	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.234	188	13666	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.432	240	9486	0.400	ng/ul	# 0.00
23) Perylene-d12	23.814	264	7471	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	2720	0.529	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.223	152	5885	0.300	ng/ul	-0.01
18) Fluoranthene-d10	19.262	212	11307	0.444	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.260	88	465	0.085	ng/ul	89
5) Naphthalene	10.678	128	2114	0.062	ng/ul#	94
7) 2-Methylnaphthalene	12.300	142	1277	0.057	ng/ul	96
8) 1-Methylnaphthalene	12.520	142	1895	0.083	ng/ul	100
10) Acenaphthylene	14.201	152	1571	0.060	ng/ul#	93
11) Acenaphthene	14.543	153	1463	0.063	ng/ul	96
12) Fluorene	15.533	166	1561	0.056	ng/ul#	95
14) Pentachlorophenol	16.888	266	413	0.092	ng/ul	97
15) Phenanthrene	17.276	178	2530	0.062	ng/ul	93
16) Anthracene	17.369	178	1894	0.056	ng/ul#	91
19) Fluoranthene	19.295	202	2624	0.083	ng/ul#	90
20) Pyrene	19.657	202	2607	0.080	ng/ul#	87
21) Benzo(a)anthracene	21.417	228	1906	0.059	ng/ul	95
22) Chrysene	21.470	228	2193	0.065	ng/ul	96
24) Benzo(b)fluoranthene	23.089	252	2406	0.073	ng/ul#	50
25) Benzo(k)fluoranthene	23.136	252	2103	0.065	ng/ul#	52
26) Benzo(a)pyrene	23.706	252	1836	0.067	ng/ul#	14
27) Indeno(1,2,3-cd)pyrene	26.268	276	2415	0.063	ng/ul#	92
28) Dibenzo(a,h)anthracene	26.292	278	1877	0.061	ng/ul#	60
29) Benzo(g,h,i)perylene	27.030	276	2109	0.066	ng/ul#	83

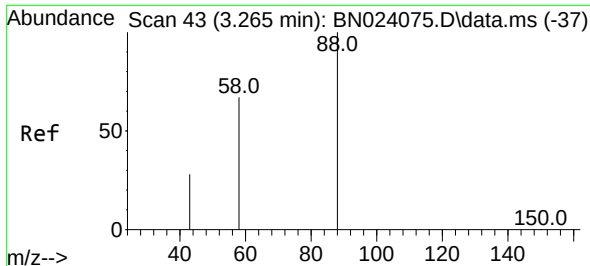
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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MDL-SOIL-QT1-2023-01

Quant Time: Feb 22 01:30:11 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

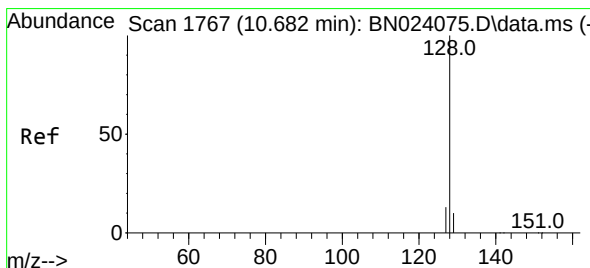
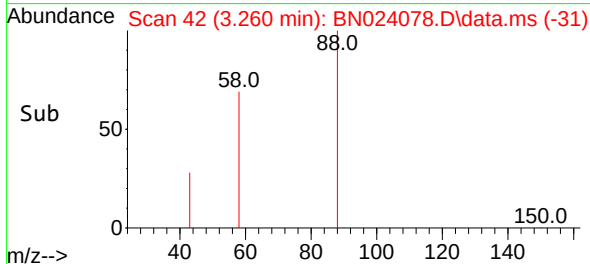
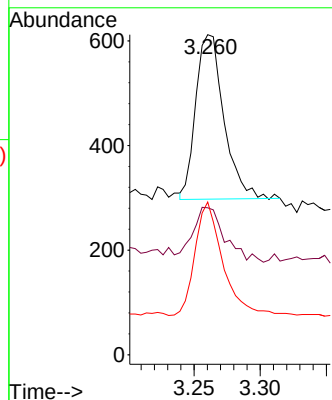
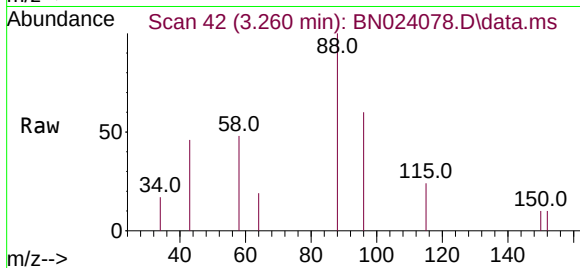




#2
 1,4-Dioxane
 Concen: 0.085 ng/ul
 RT: 3.260 min Scan# 43
 Delta R.T. -0.004 min
 Lab File: BN024078.D
 Acq: 21 Feb 2023 12:29

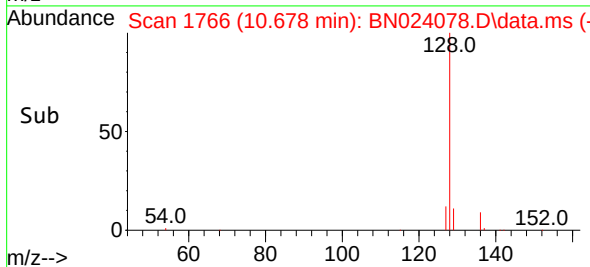
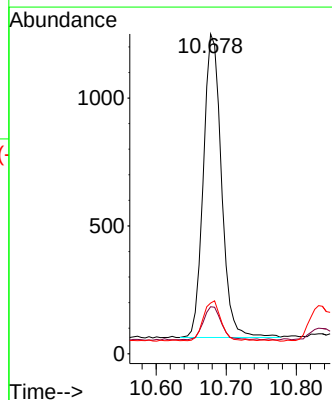
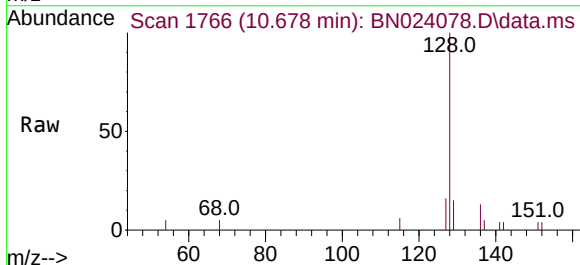
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

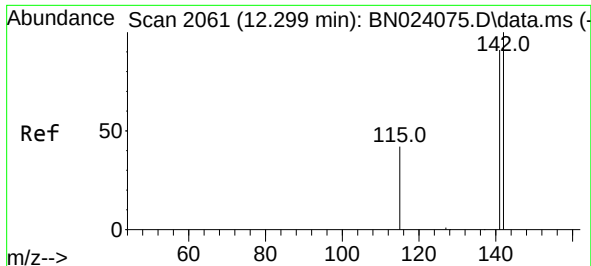
Tgt Ion: 88	Resp: 465
Ion Ratio	Lower Upper
88 100	
43 45.9	41.9 62.9
58 47.7	45.6 68.4



#5
 Naphthalene
 Concen: 0.062 ng/ul
 RT: 10.678 min Scan# 1766
 Delta R.T. -0.011 min
 Lab File: BN024078.D
 Acq: 21 Feb 2023 12:29

Tgt Ion:128	Resp:	2114	
Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.7	14.5#
127	15.8	11.1	16.7

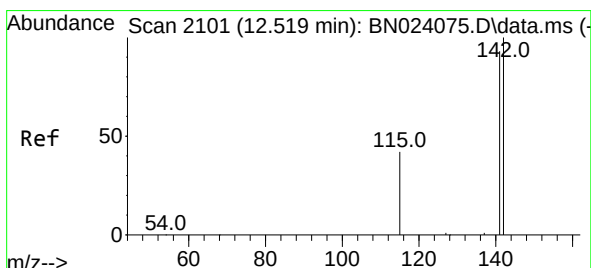
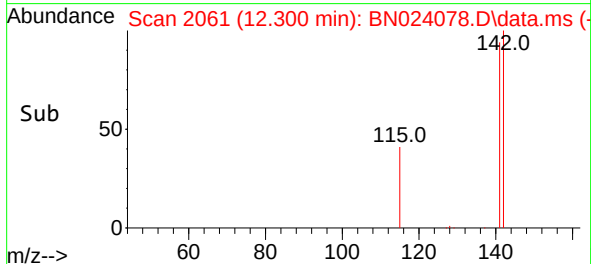
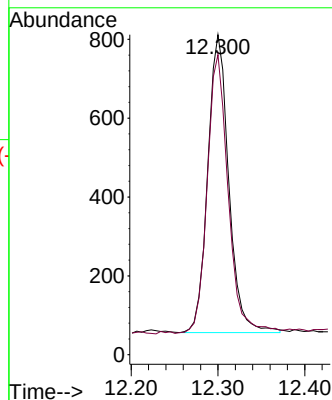
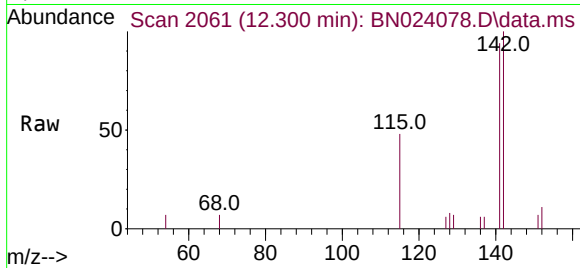




#7
2-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.300 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

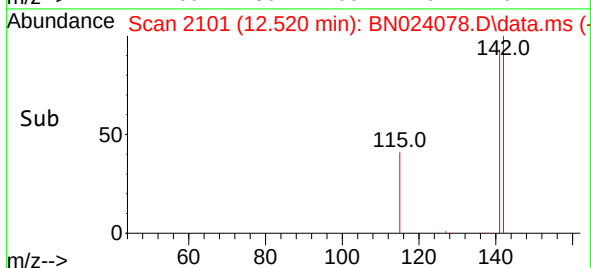
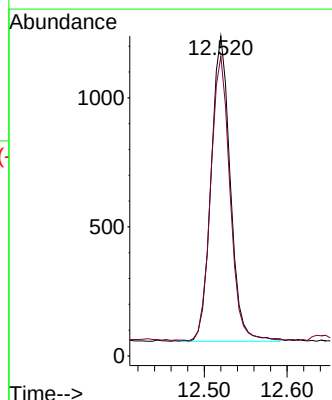
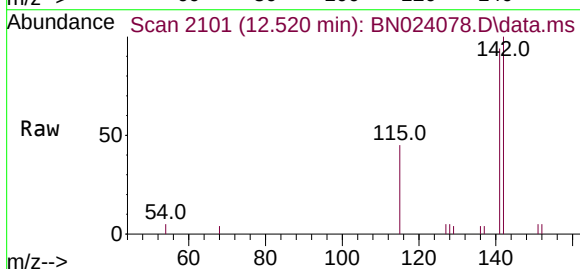
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-01

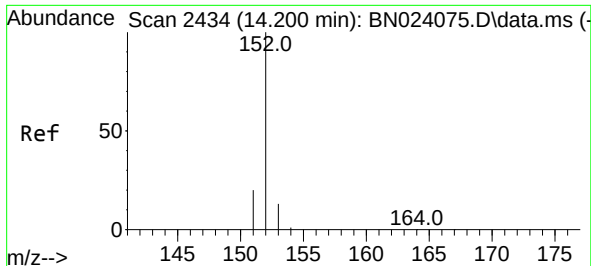
Tgt Ion:142 Resp: 1277
Ion Ratio Lower Upper
142 100
141 93.4 71.6 107.4



#8
1-Methylnaphthalene
Concen: 0.083 ng/ul
RT: 12.520 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:142 Resp: 1895
Ion Ratio Lower Upper
142 100
141 92.7 74.1 111.1

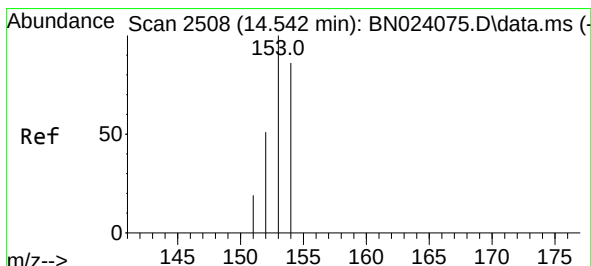
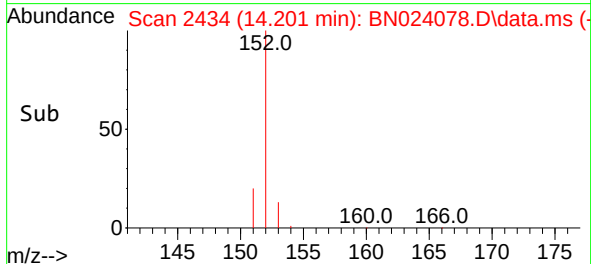
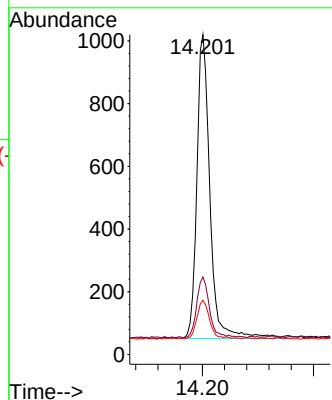
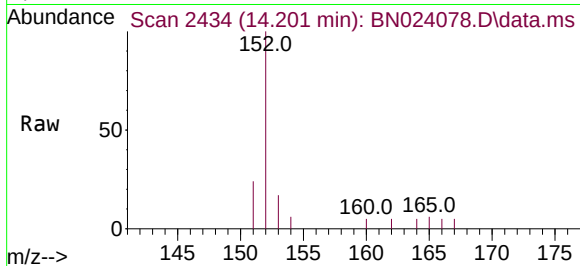




#10
Acenaphthylene
Concen: 0.060 ng/ul
RT: 14.201 min Scan# 2434
Delta R.T. -0.009 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

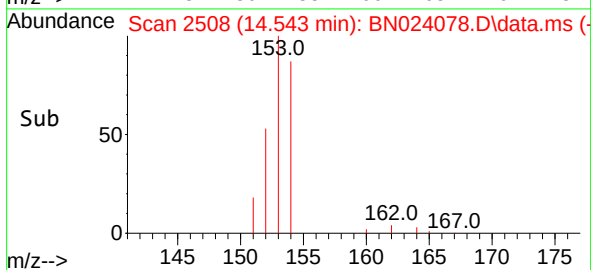
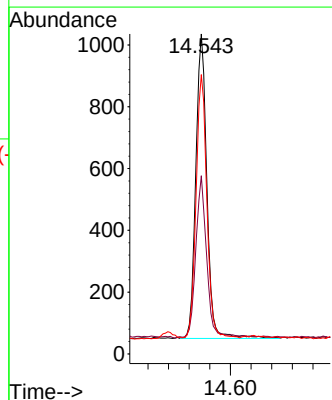
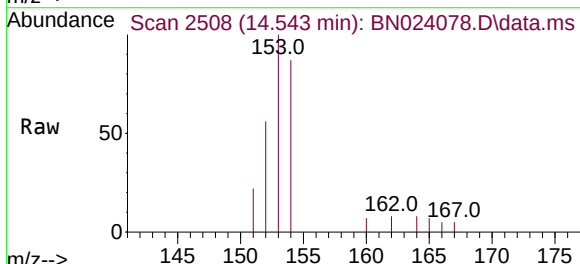
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-01

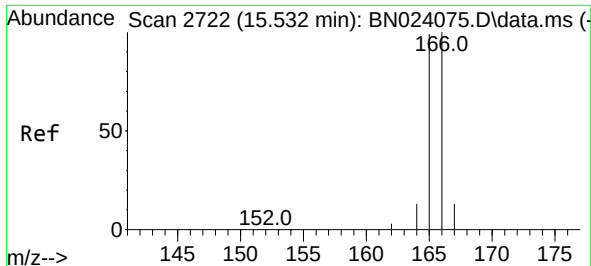
Tgt Ion:152 Resp: 1571
Ion Ratio Lower Upper
152 100
151 24.2 17.0 25.4
153 17.0 11.1 16.7#



#11
Acenaphthene
Concen: 0.063 ng/ul
RT: 14.543 min Scan# 2508
Delta R.T. -0.005 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:153 Resp: 1463
Ion Ratio Lower Upper
153 100
152 55.7 39.6 59.4
154 87.3 68.8 103.2

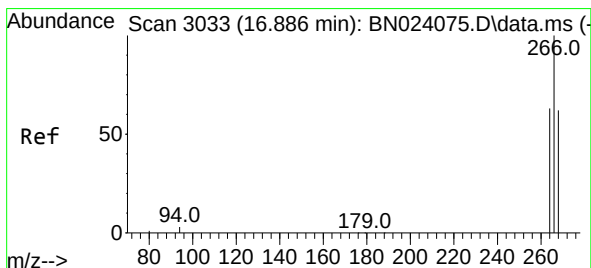
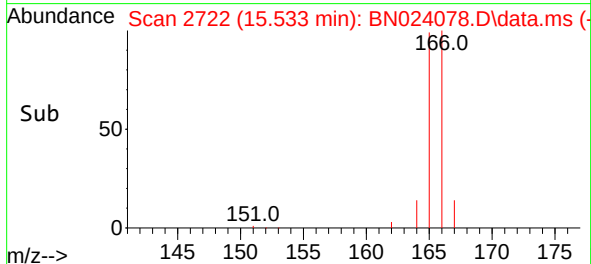
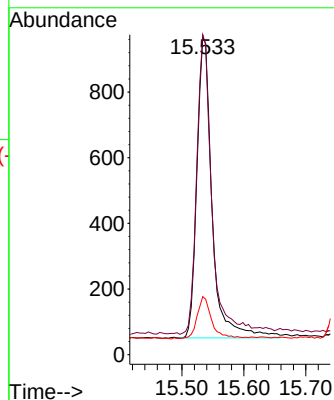
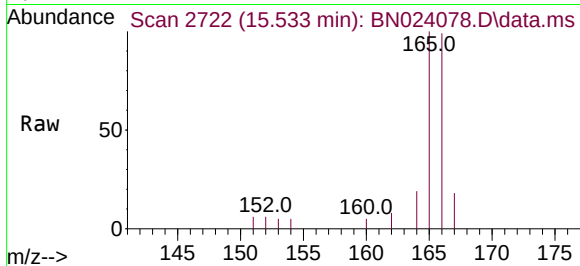




#12
Fluorene
Concen: 0.056 ng/ul
RT: 15.533 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

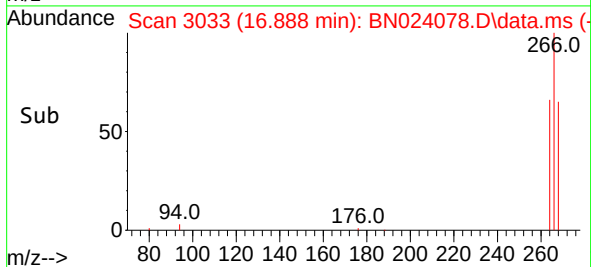
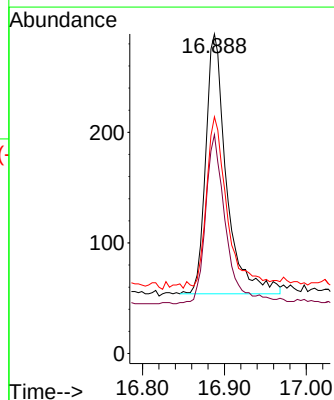
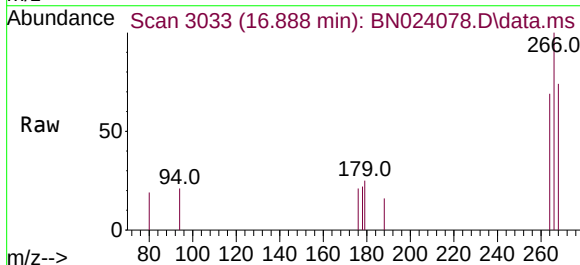
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-01

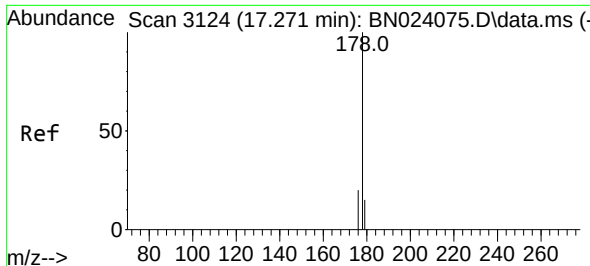
Tgt Ion:166 Resp: 1561
Ion Ratio Lower Upper
166 100
165 100.8 77.4 116.2
167 18.3 11.4 17.0#



#14
Pentachlorophenol
Concen: 0.092 ng/ul
RT: 16.888 min Scan# 3033
Delta R.T. -0.004 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:266 Resp: 413
Ion Ratio Lower Upper
266 100
264 64.2 49.4 74.0
268 67.6 52.0 78.0

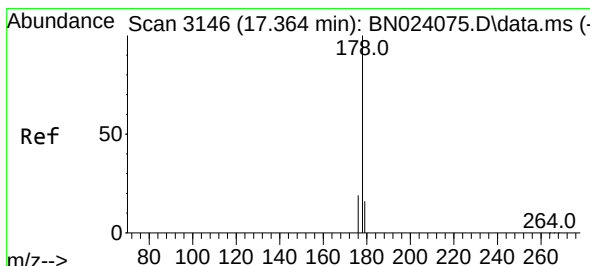
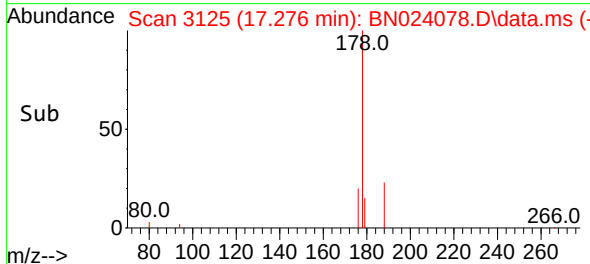
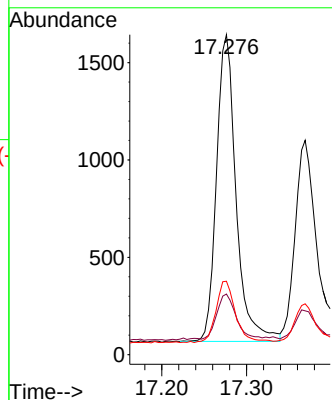
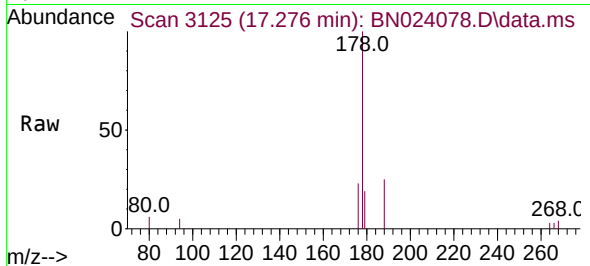




#15
Phenanthrene
Concen: 0.062 ng/ul
RT: 17.276 min Scan# 3125
Delta R.T. -0.004 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

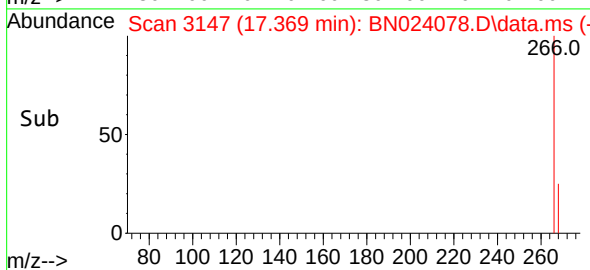
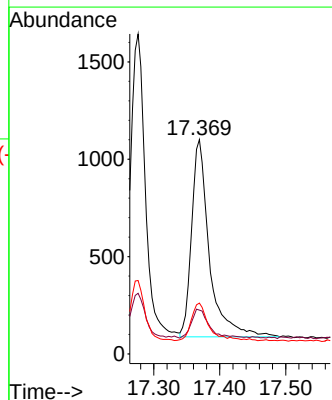
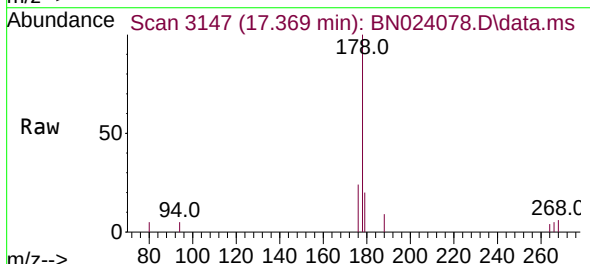
Instrument :
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ClientSampleId :
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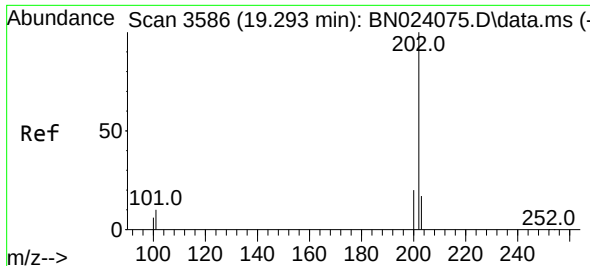
Tgt Ion:178 Resp: 2530
Ion Ratio Lower Upper
178 100
179 18.9 12.6 19.0
176 22.9 15.7 23.5



#16
Anthracene
Concen: 0.056 ng/ul
RT: 17.369 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:178 Resp: 1894
Ion Ratio Lower Upper
178 100
179 20.4 13.4 20.0#
176 23.7 15.4 23.2#

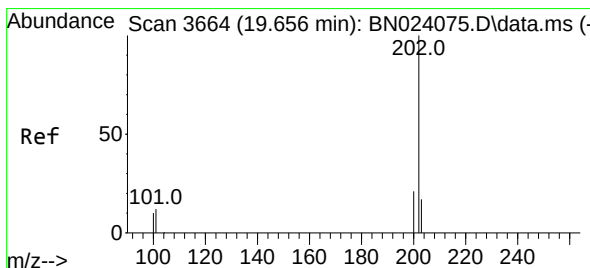
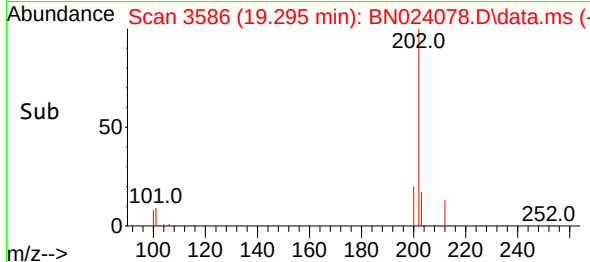
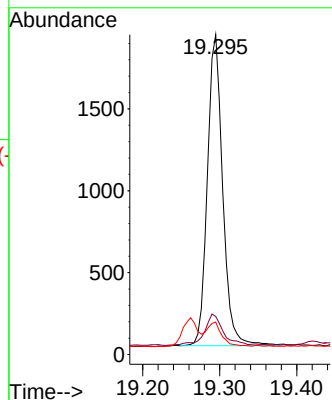
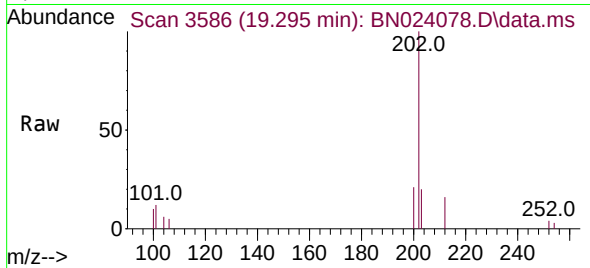




#19
Fluoranthene
Concen: 0.083 ng/ul
RT: 19.295 min Scan# 3586
Delta R.T. -0.005 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

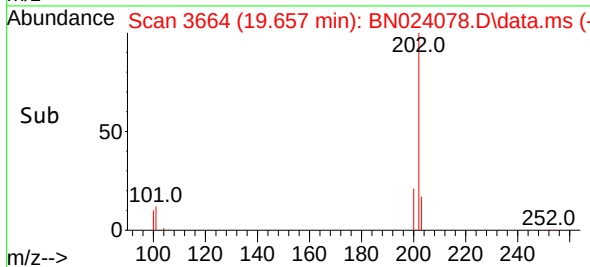
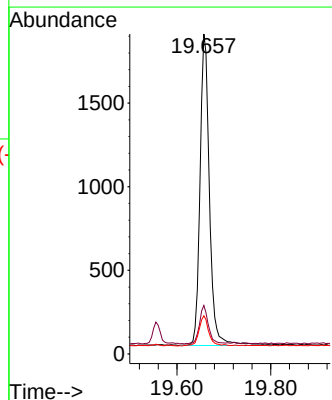
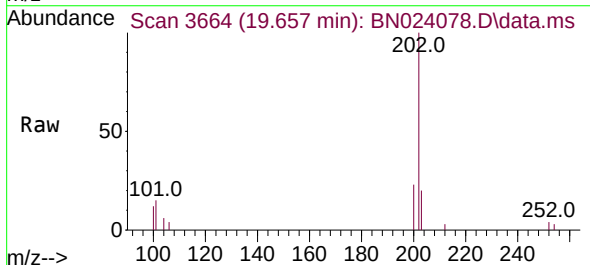
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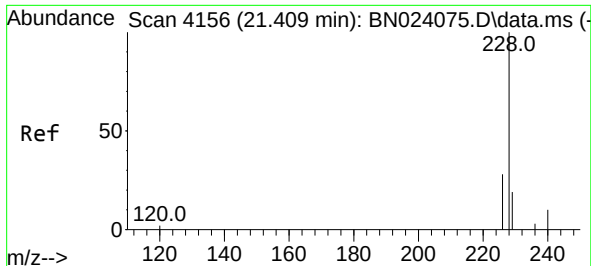
Tgt Ion:202 Resp: 2624
Ion Ratio Lower Upper
202 100
101 11.9 6.8 10.2#
100 10.2 5.2 7.8#



#20
Pyrene
Concen: 0.080 ng/ul
RT: 19.657 min Scan# 3664
Delta R.T. -0.005 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:202 Resp: 2607
Ion Ratio Lower Upper
202 100
101 15.2 8.1 12.1#
100 12.0 6.2 9.4#

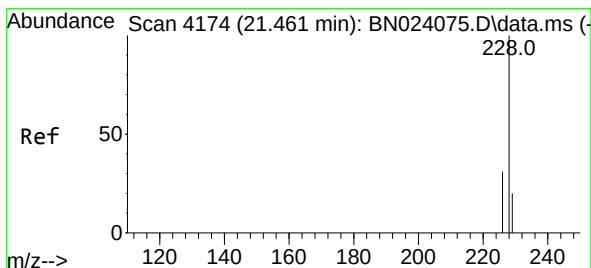
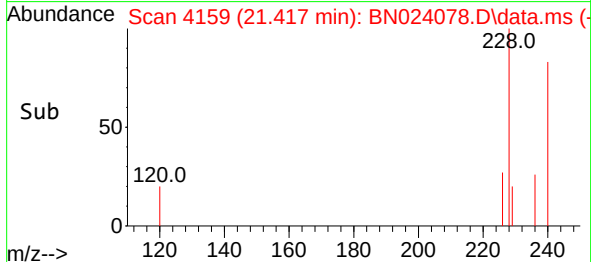
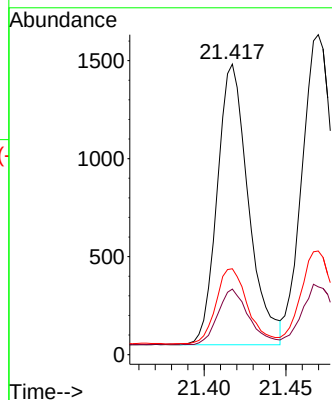
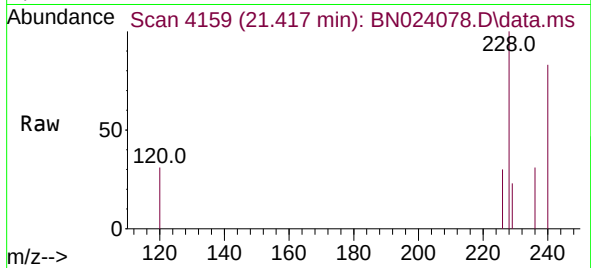




#21
Benzo(a)anthracene
Concen: 0.059 ng/ul
RT: 21.417 min Scan# 4159
Delta R.T. 0.006 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

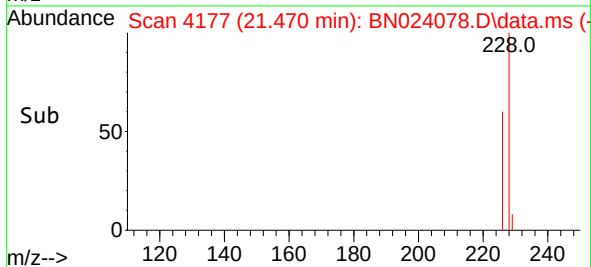
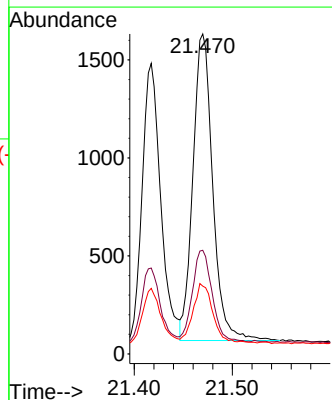
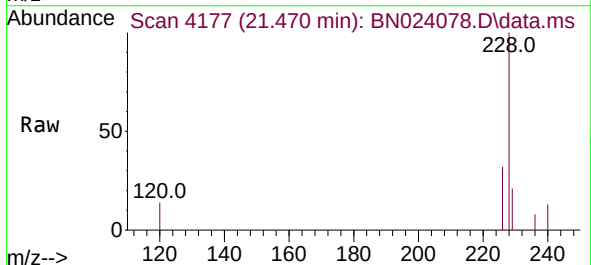
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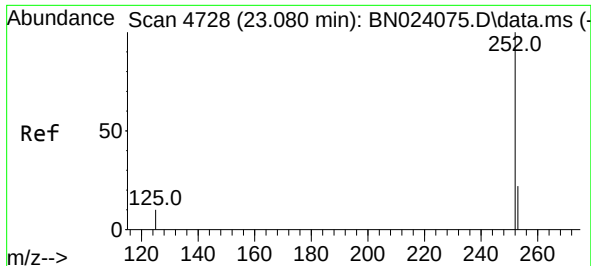
Tgt Ion:228 Resp: 1906
Ion Ratio Lower Upper
228 100
229 22.5 15.8 23.8
226 29.6 22.0 33.0



#22
Chrysene
Concen: 0.065 ng/ul
RT: 21.470 min Scan# 4177
Delta R.T. 0.003 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:228 Resp: 2193
Ion Ratio Lower Upper
228 100
226 32.4 24.2 36.2
229 21.2 15.5 23.3

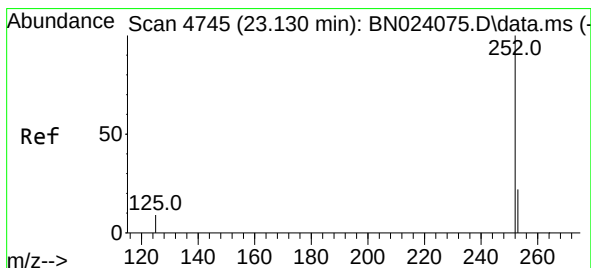
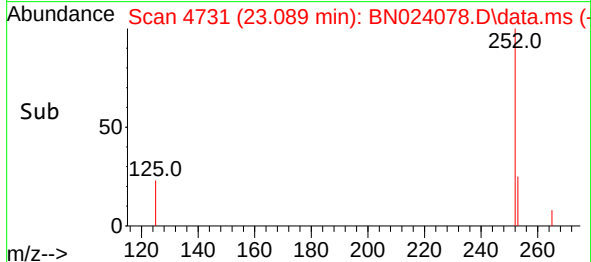
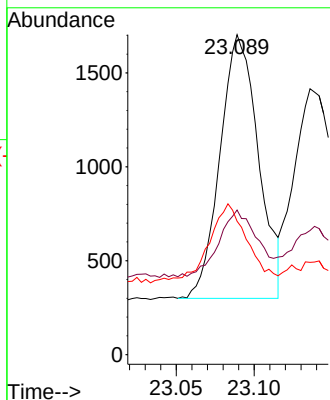
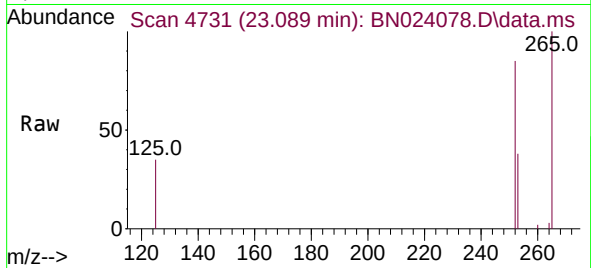




#24
Benzo(b)fluoranthene
Concen: 0.073 ng/ul
RT: 23.089 min Scan# 4711
Delta R.T. -0.003 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

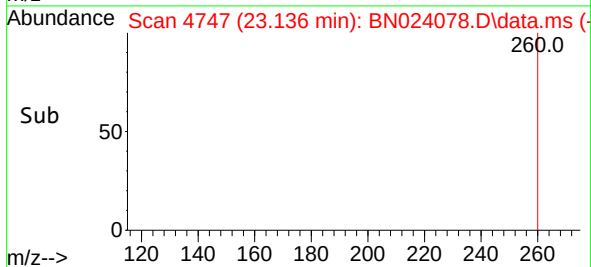
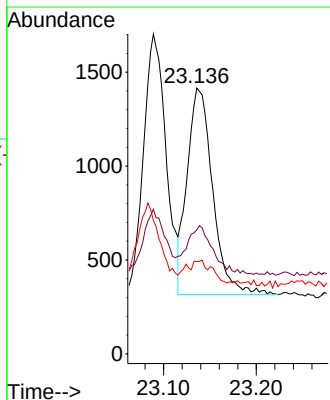
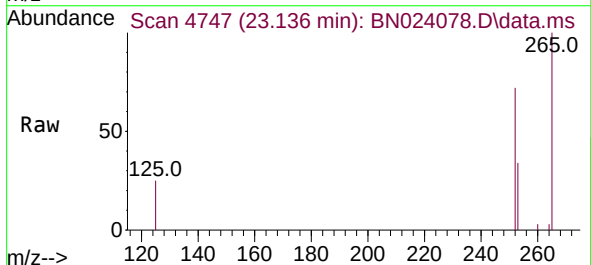
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-01

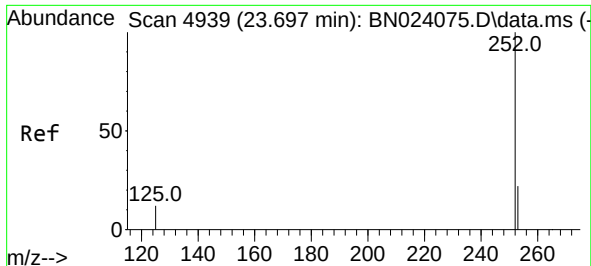
Tgt Ion:252 Resp: 2406
Ion Ratio Lower Upper
252 100
253 45.2 0.0 51.8
125 41.7 0.0 23.6#



#25
Benzo(k)fluoranthene
Concen: 0.065 ng/ul
RT: 23.136 min Scan# 4747
Delta R.T. -0.003 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

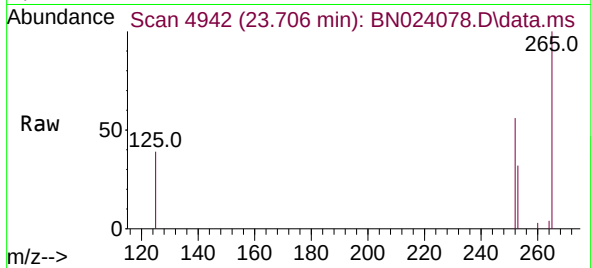
Tgt Ion:252 Resp: 2103
Ion Ratio Lower Upper
252 100
253 46.7 20.2 30.2#
125 34.7 9.0 13.4#



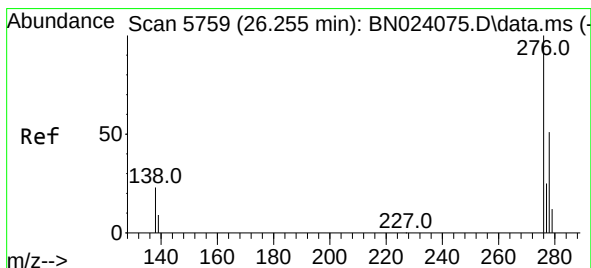
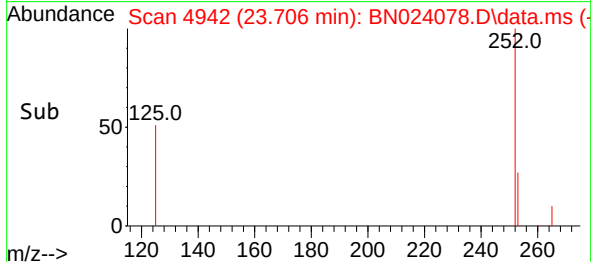
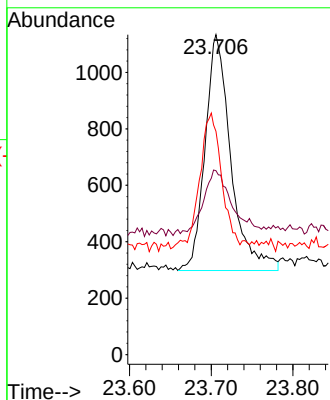


#26
Benzo(a)pyrene
Concen: 0.067 ng/ul
RT: 23.706 min Scan# 4939
Delta R.T. -0.000 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-01

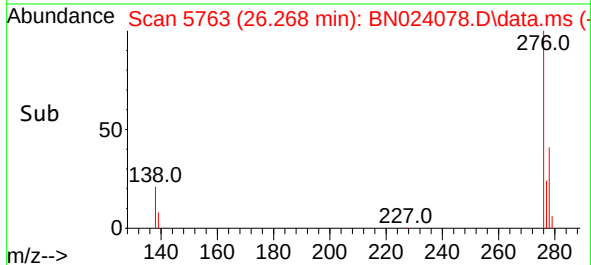
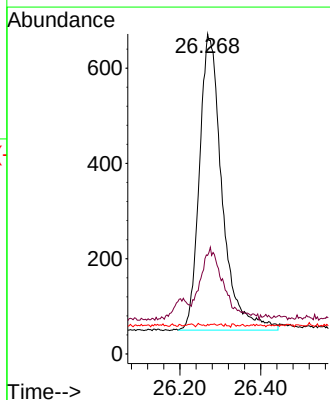
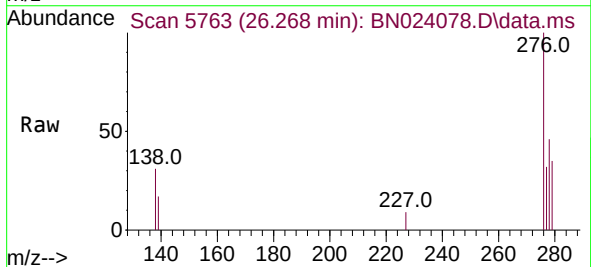


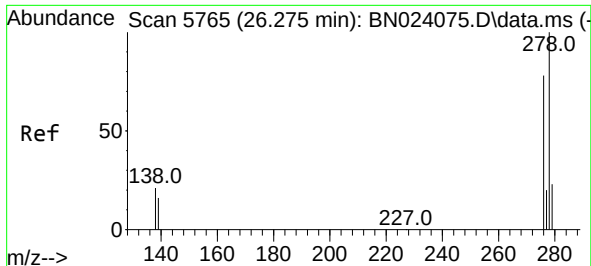
Tgt Ion:252 Resp: 1836
Ion Ratio Lower Upper
252 100
253 57.5 21.5 32.3#
125 69.8 11.2 16.8#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng/ul
RT: 26.268 min Scan# 5763
Delta R.T. -0.024 min
Lab File: BN024078.D
Acq: 21 Feb 2023 12:29

Tgt Ion:276 Resp: 2415
Ion Ratio Lower Upper
276 100
138 24.9 17.0 25.6
227 0.2 0.2 0.4#

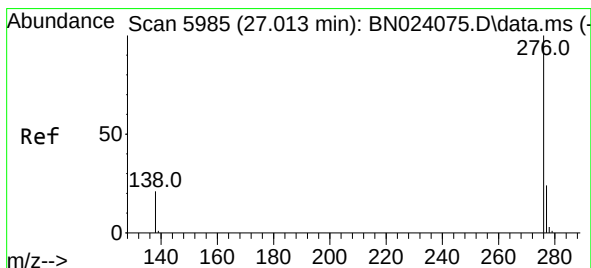
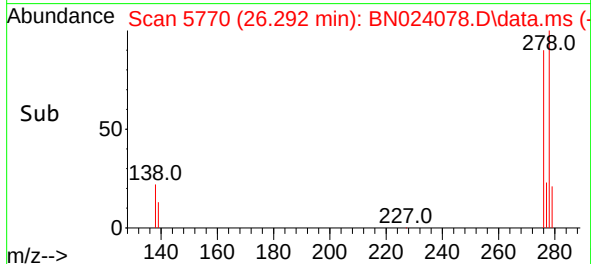
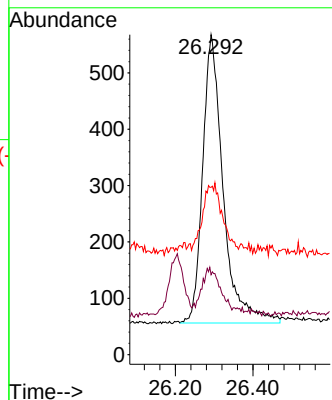
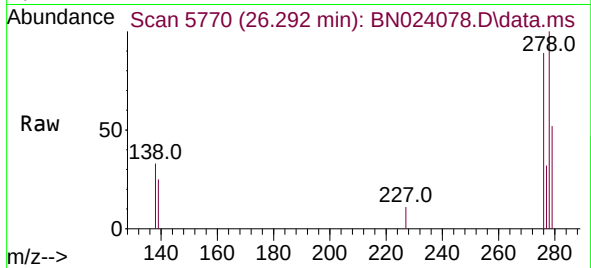




#28
 Dibenzo(a,h)anthracene
 Concen: 0.061 ng/ul
 RT: 26.292 min Scan# 51
 Delta R.T. -0.017 min
 Lab File: BN024078.D
 Acq: 21 Feb 2023 12:29

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Tgt Ion:278 Resp: 1877
 Ion Ratio Lower Upper
 278 100
 139 25.0 12.3 18.5#
 279 52.3 21.4 32.0#



#29
 Benzo(g,h,i)perylene
 Concen: 0.066 ng/ul
 RT: 27.030 min Scan# 5990
 Delta R.T. -0.017 min
 Lab File: BN024078.D
 Acq: 21 Feb 2023 12:29

Tgt Ion:276 Resp: 2109
 Ion Ratio Lower Upper
 276 100
 138 29.4 15.3 22.9#
 277 31.4 19.9 29.9#

