

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090822\
 Data File : BN021647.D
 Acq On : 08 Sep 2022 16:39
 Operator : CG/JU
 Sample : N3670-03
 Misc : SFAM-SIM-MDL-SOIL01
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2022-03

Quant Time: Sep 08 17:09:07 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 14:04:47 2022
 Response via : Initial Calibration

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

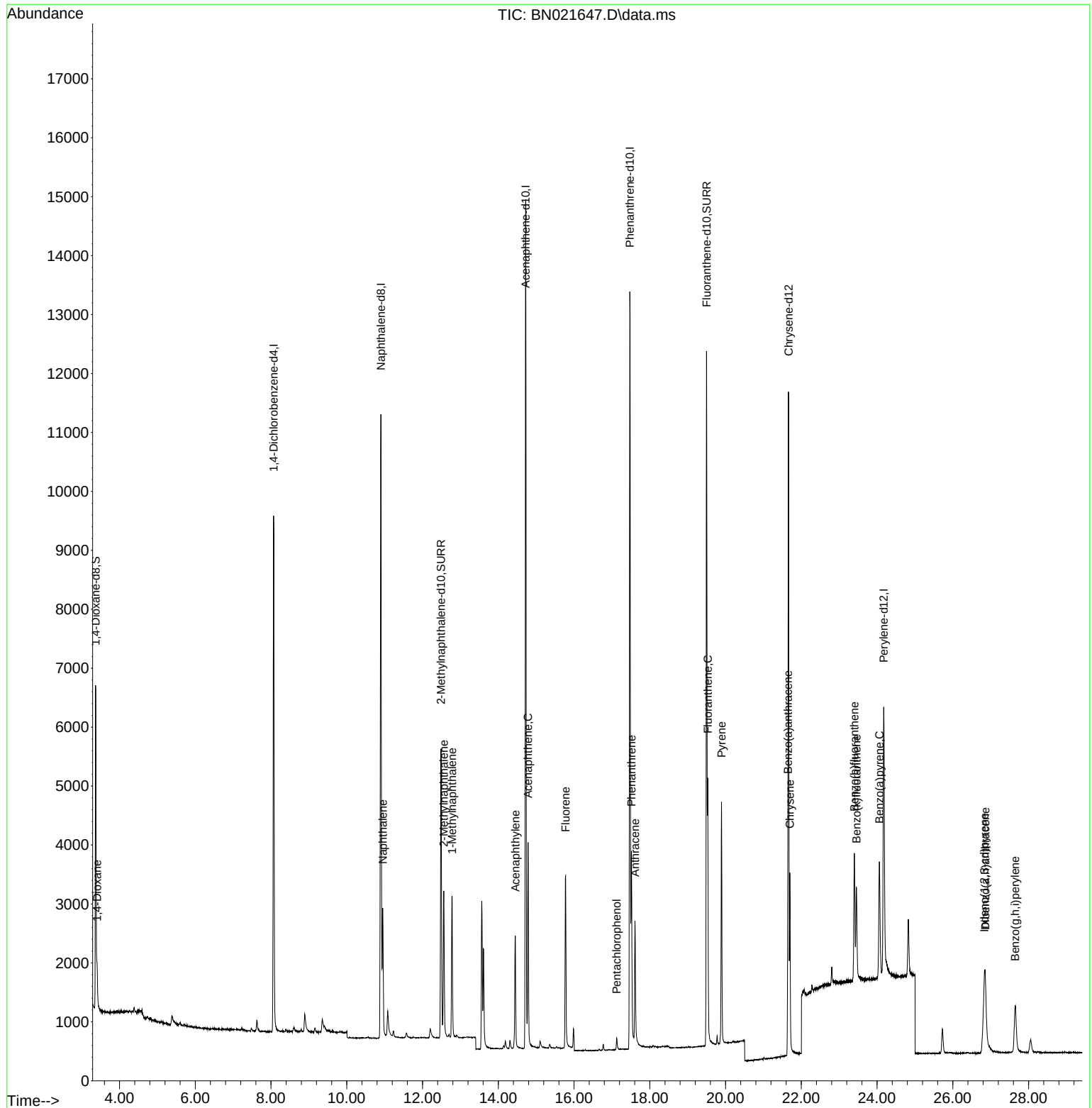
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.068	152	4736	0.400	ng/ul	0.00
4) Naphthalene-d8	10.900	136	15078	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.721	164	8298	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	16369	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.662	240	10114	0.400	ng/ul	0.00
23) Perylene-d12	24.176	264	7272	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	3748	0.643	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.489	152	7281	0.305	ng/ul	0.00
18) Fluoranthene-d10	19.497	212	13131	0.349	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	384	0.064	ng/ul#	85
5) Naphthalene	10.949	128	3125	0.074	ng/ul	97
7) 2-Methylnaphthalene	12.561	142	1946	0.070	ng/ul	99
8) 1-Methylnaphthalene	12.781	142	1819	0.064	ng/ul	100
10) Acenaphthylene	14.448	152	2474	0.071	ng/ul	95
11) Acenaphthene	14.786	153	2073	0.070	ng/ul	98
12) Fluorene	15.776	166	2221	0.067	ng/ul	99
14) Pentachlorophenol	17.126	266	183	0.058	ng/ul	90
15) Phenanthrene	17.515	178	3598	0.070	ng/ul	96
16) Anthracene	17.608	178	2782	0.065	ng/ul	95
19) Fluoranthene	19.529	202	3718	0.079	ng/ul#	94
20) Pyrene	19.892	202	3624	0.078	ng/ul#	90
21) Benzo(a)anthracene	21.644	228	2338	0.069	ng/ul	95
22) Chrysene	21.697	228	2785	0.075	ng/ul	97
24) Benzo(b)fluoranthene	23.404	252	2763	0.078	ng/ul#	63
25) Benzo(k)fluoranthene	23.454	252	2389	0.070	ng/ul#	65
26) Benzo(a)pyrene	24.065	252	2379	0.089	ng/ul#	20
27) Indeno(1,2,3-cd)pyrene	26.831	276	2505	0.083	ng/ul#	42
28) Dibenzo(a,h)anthracene	26.857	278	1988	0.078	ng/ul#	73
29) Benzo(g,h,i)perylene	27.646	276	2076	0.075	ng/ul#	81

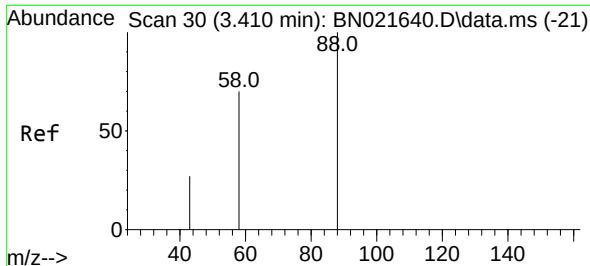
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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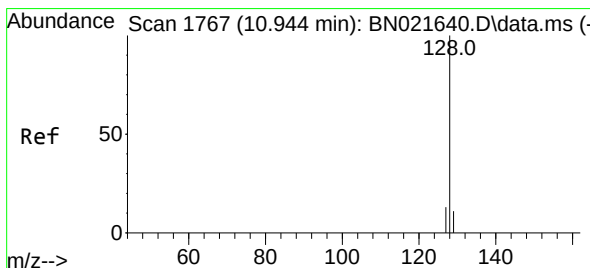
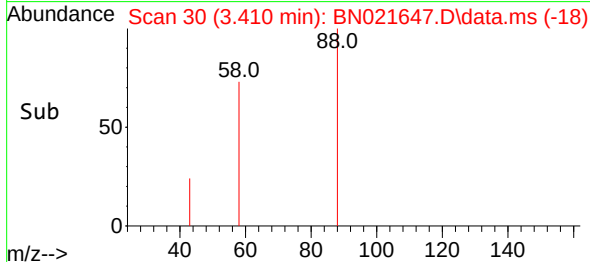
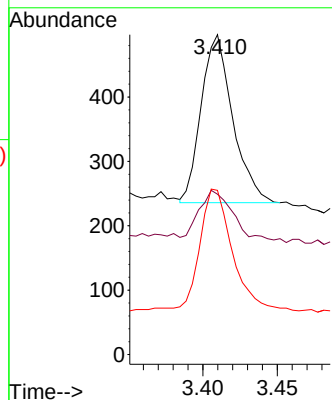
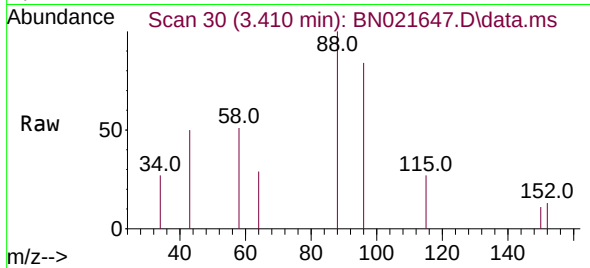




#2
1,4-Dioxane
Concen: 0.064 ng/ul
RT: 3.410 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

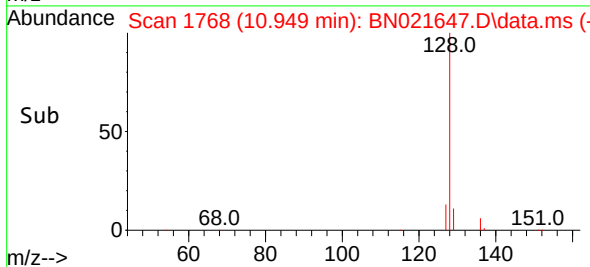
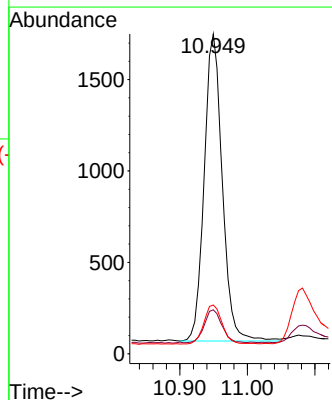
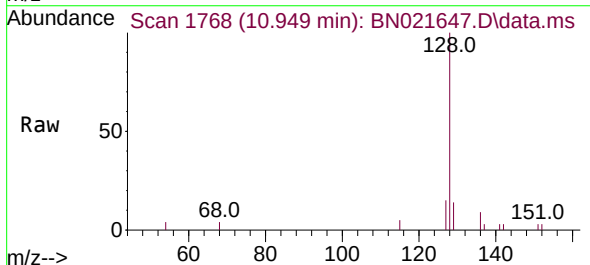
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-03

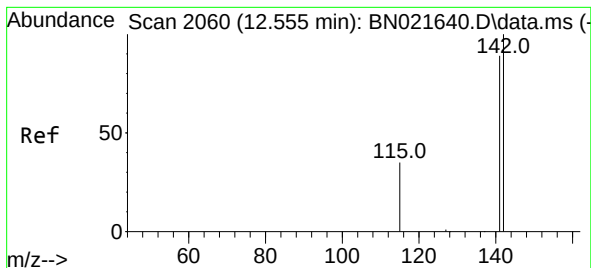
Tgt Ion: 88 Resp: 384
Ion Ratio Lower Upper
88 100
43 50.1 31.4 47.0#
58 51.3 49.0 73.6



#5
Naphthalene
Concen: 0.074 ng/ul
RT: 10.949 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion: 128 Resp: 3125
Ion Ratio Lower Upper
128 100
129 13.8 9.8 14.6
127 15.3 11.6 17.4

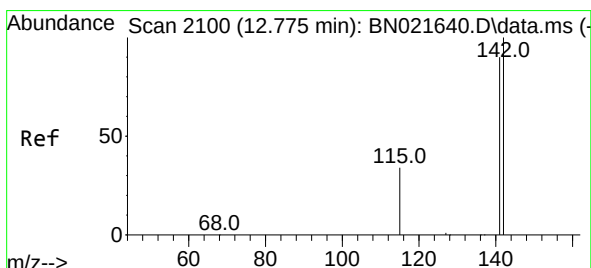
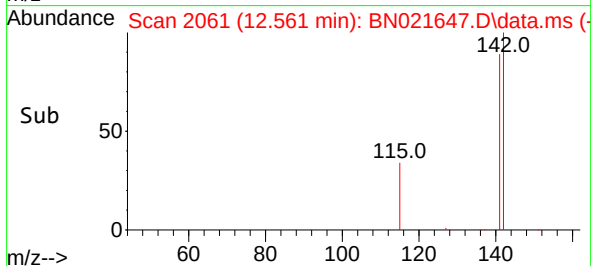
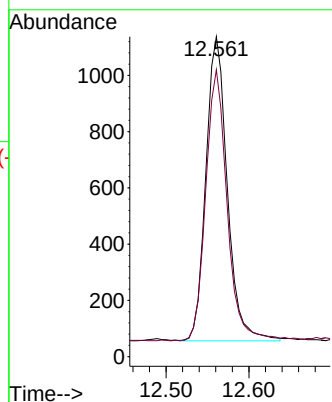
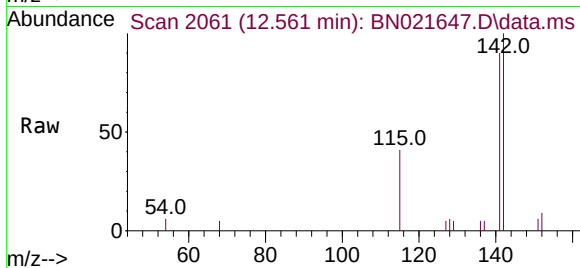




#7
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.561 min Scan# 2061
Delta R.T. 0.006 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

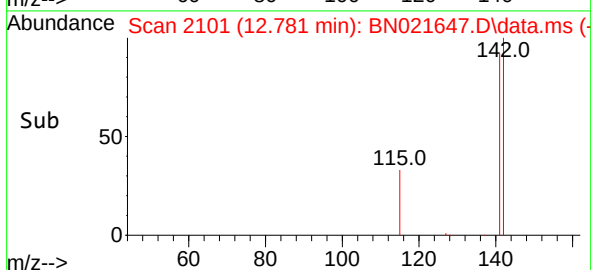
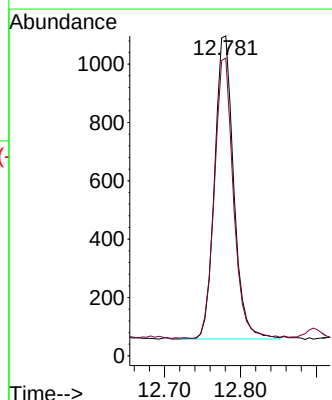
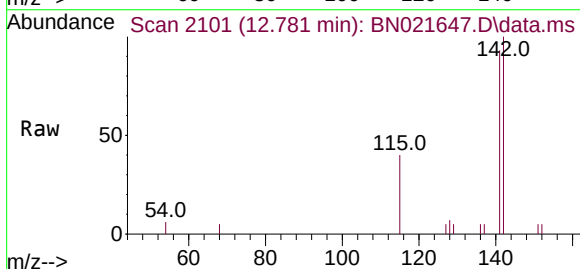
Instrument :
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ClientSampleId :
MDL-SOIL-QT2-2022-03

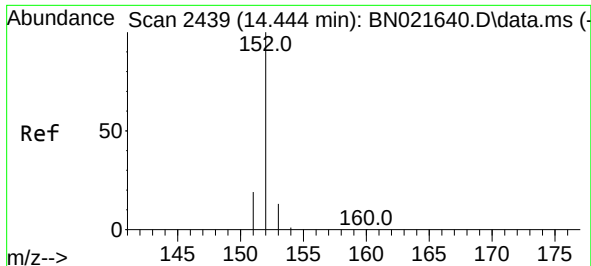
Tgt Ion:142 Resp: 1946
Ion Ratio Lower Upper
142 100
141 88.8 72.2 108.2



#8
1-Methylnaphthalene
Concen: 0.064 ng/ul
RT: 12.781 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:142 Resp: 1819
Ion Ratio Lower Upper
142 100
141 92.1 73.9 110.9

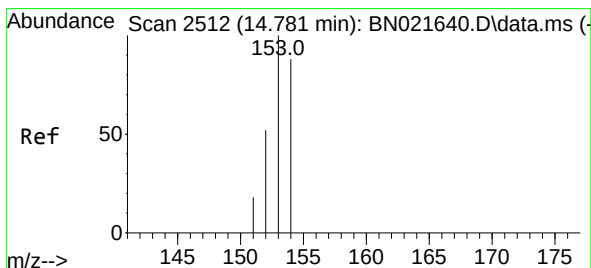
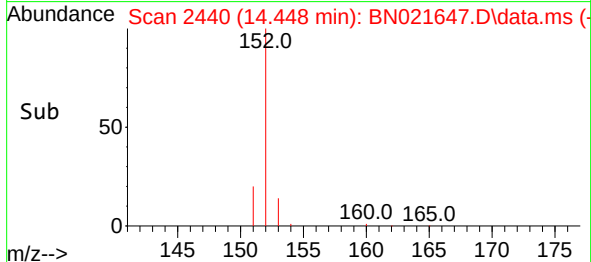
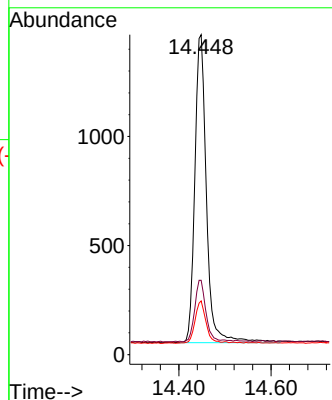
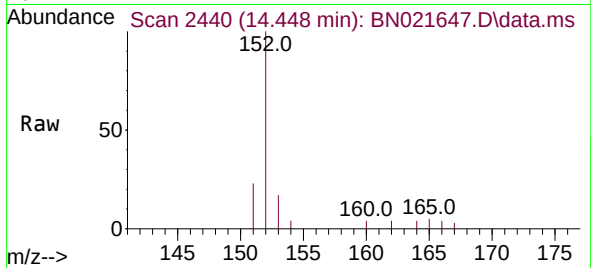




#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 14.448 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

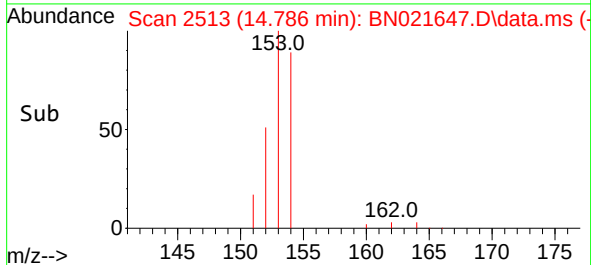
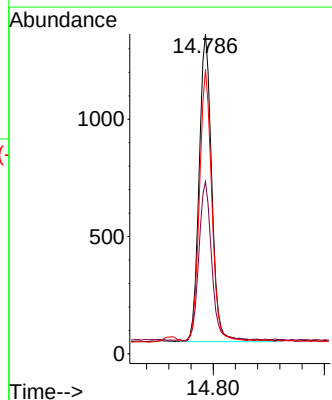
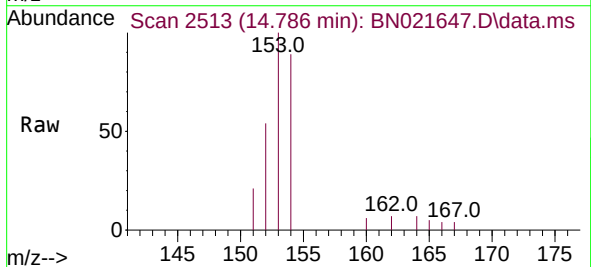
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-03

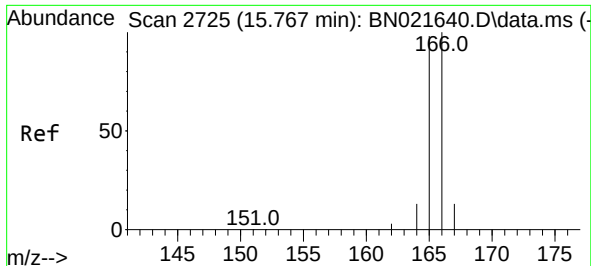
Tgt Ion:152 Resp: 2474
Ion Ratio Lower Upper
152 100
151 23.2 16.9 25.3
153 16.8 11.2 16.8



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.786 min Scan# 2513
Delta R.T. 0.005 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:153 Resp: 2073
Ion Ratio Lower Upper
153 100
152 53.8 40.2 60.4
154 88.9 70.7 106.1

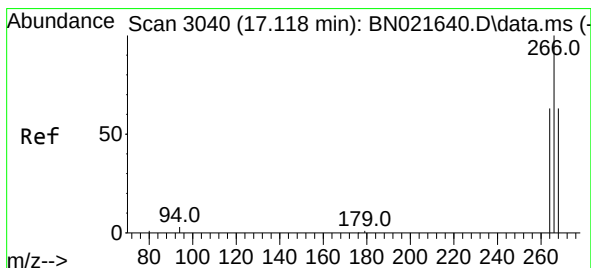
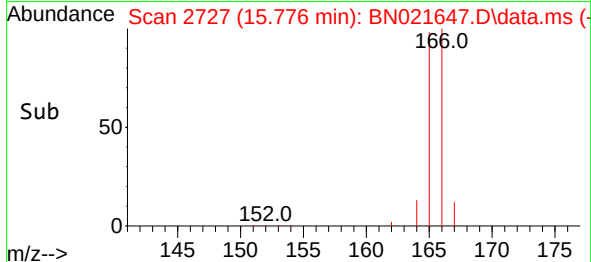
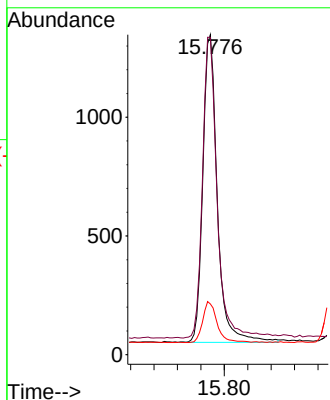
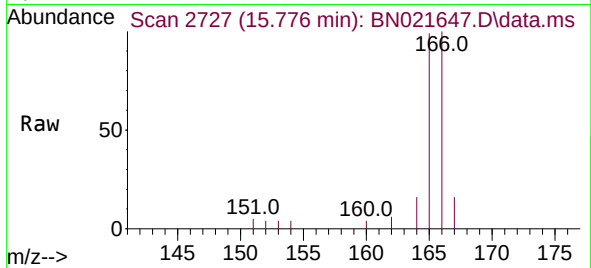




#12
Fluorene
Concen: 0.067 ng/ul
RT: 15.776 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

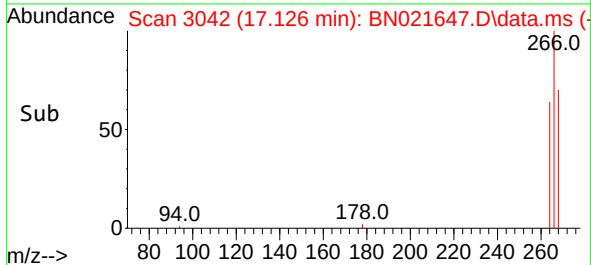
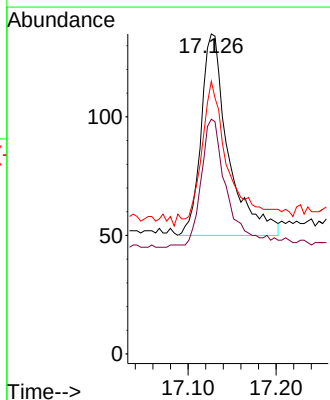
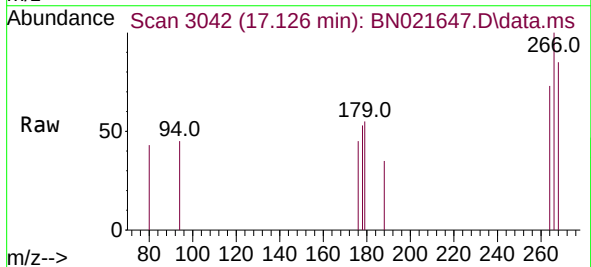
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ClientSampleId :
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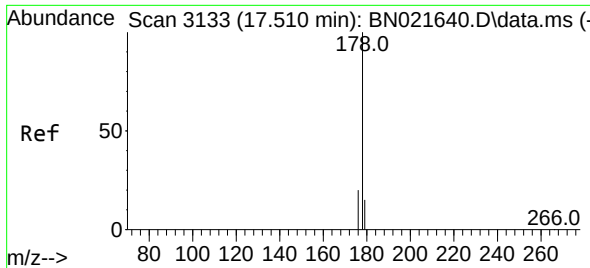
Tgt Ion:	166	Resp:	2221
Ion Ratio	Lower	Upper	
166	100		
165	99.1	78.6	117.8
167	15.9	11.8	17.6



#14
Pentachlorophenol
Concen: 0.058 ng/ul
RT: 17.126 min Scan# 3042
Delta R.T. 0.009 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:	266	Resp:	183
Ion Ratio	Lower	Upper	
266	100		
264	57.9	49.8	74.8
268	74.9	50.6	75.8

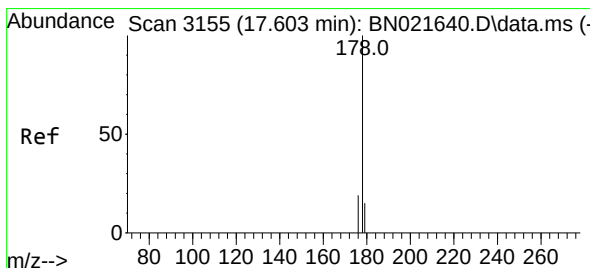
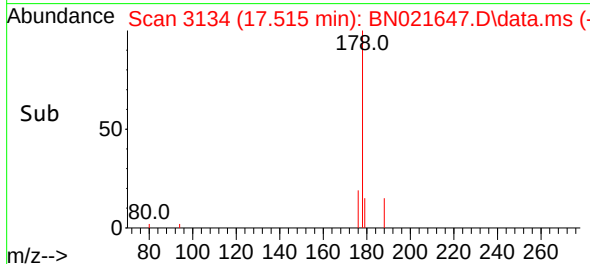
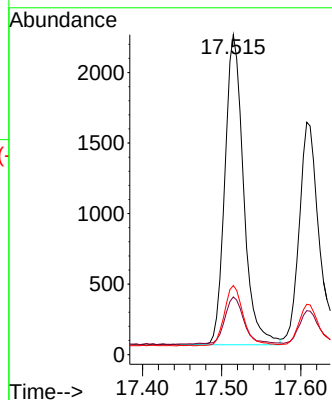
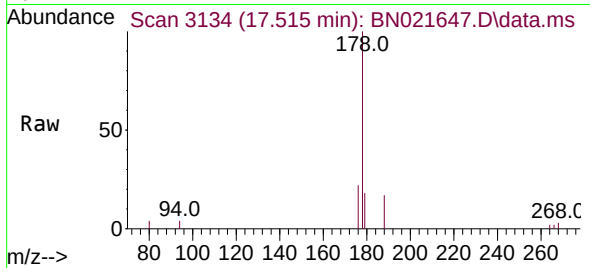




#15
Phenanthrene
Concen: 0.070 ng/ul
RT: 17.515 min Scan# 3133
Delta R.T. 0.004 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

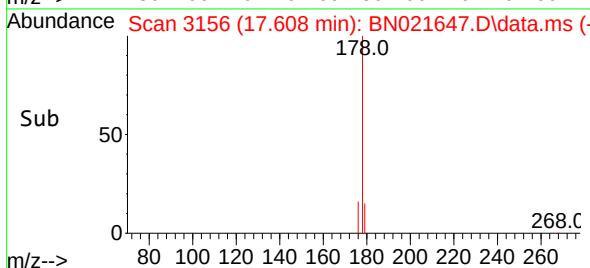
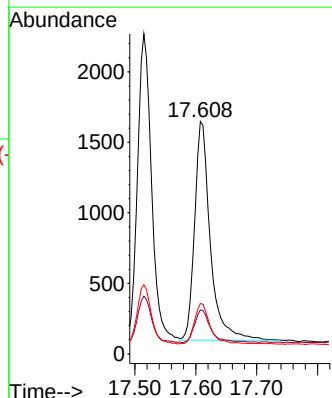
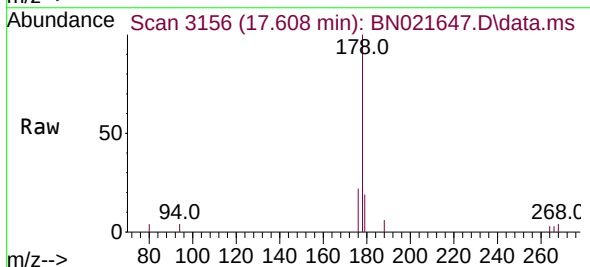
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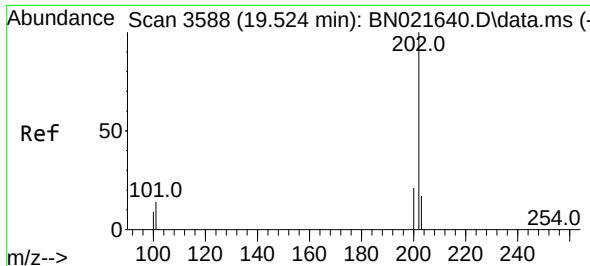
Tgt Ion:178 Resp: 3598
Ion Ratio Lower Upper
178 100
179 18.0 12.8 19.2
176 21.6 15.9 23.9



#16
Anthracene
Concen: 0.065 ng/ul
RT: 17.608 min Scan# 3156
Delta R.T. 0.004 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:178 Resp: 2782
Ion Ratio Lower Upper
178 100
179 18.9 12.9 19.3
176 21.7 15.9 23.9

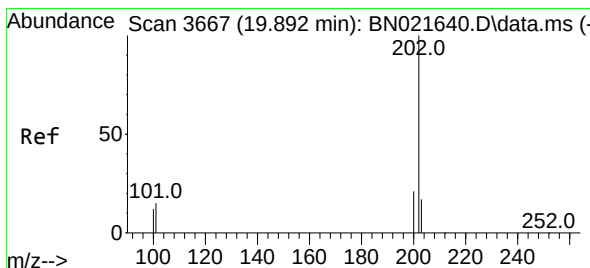
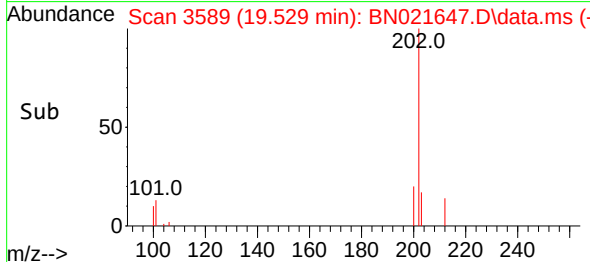
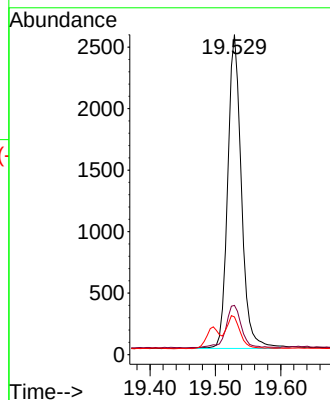
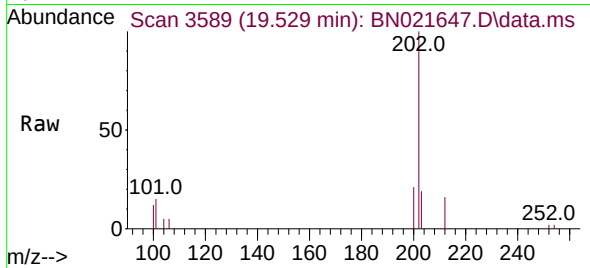




#19
Fluoranthene
Concen: 0.079 ng/ul
RT: 19.529 min Scan# 3589
Delta R.T. 0.005 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

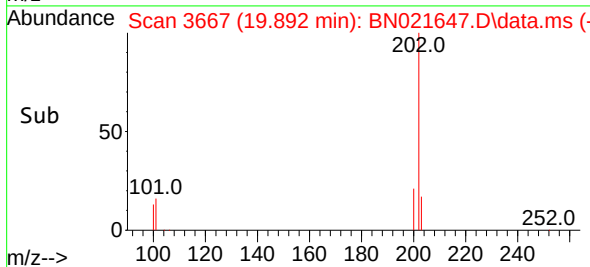
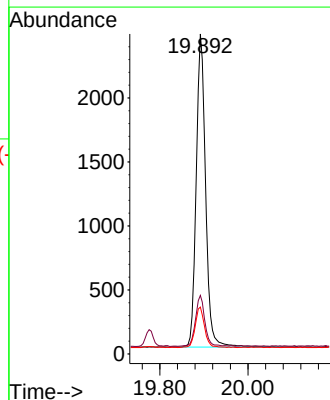
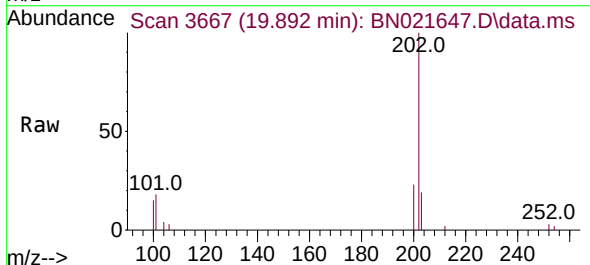
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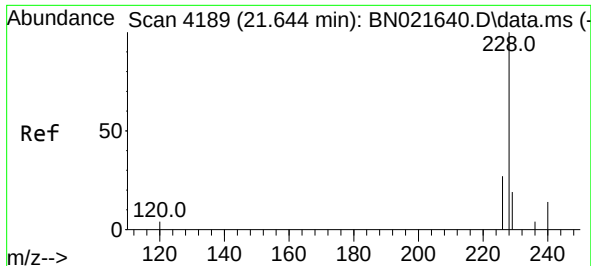
Tgt Ion:202 Resp: 3718
Ion Ratio Lower Upper
202 100
101 15.4 10.0 15.0#
100 11.8 8.0 12.0



#20
Pyrene
Concen: 0.078 ng/ul
RT: 19.892 min Scan# 3667
Delta R.T. 0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:202 Resp: 3624
Ion Ratio Lower Upper
202 100
101 18.3 11.3 16.9#
100 14.6 9.0 13.4#

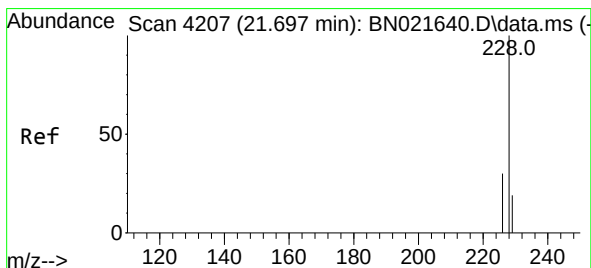
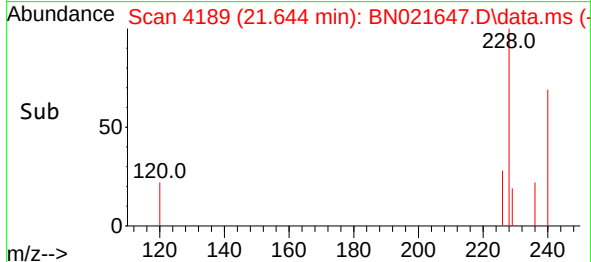
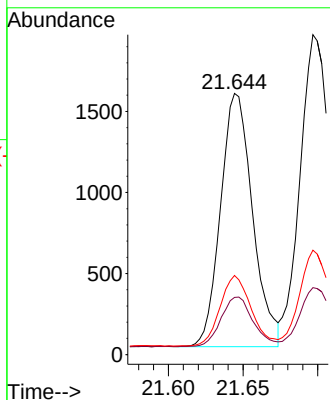
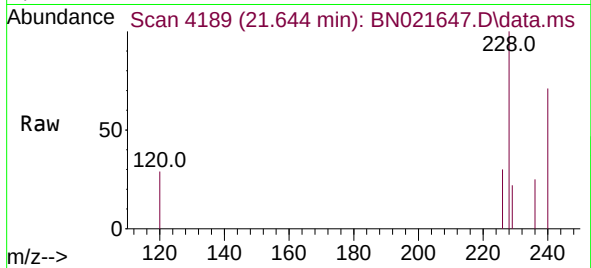




#21
Benzo(a)anthracene
Concen: 0.069 ng/ul
RT: 21.644 min Scan# 4189
Delta R.T. 0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

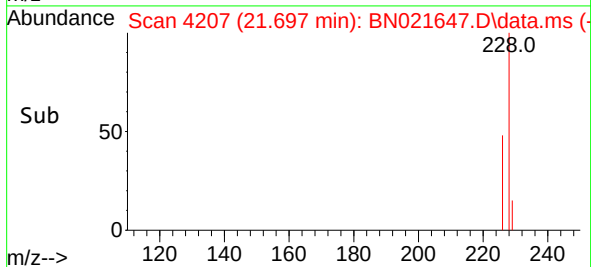
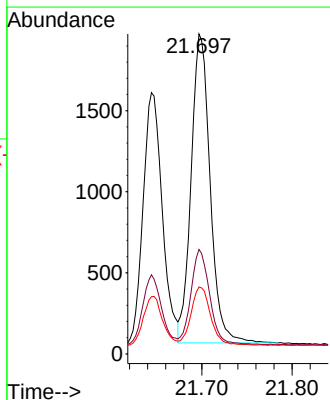
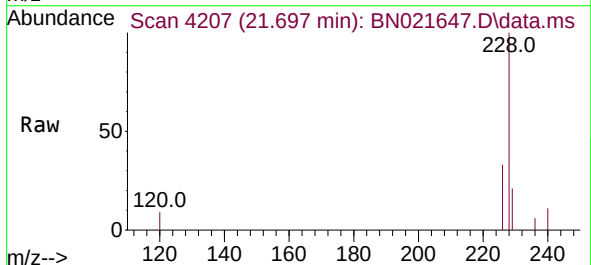
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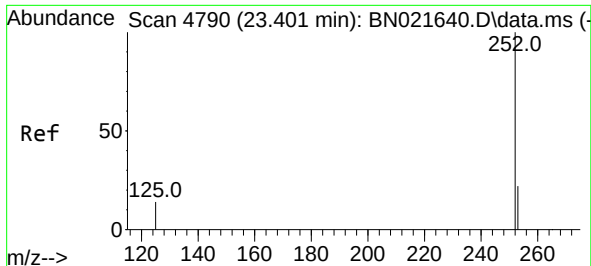
Tgt Ion:228 Resp: 2338
Ion Ratio Lower Upper
228 100
229 21.9 16.0 24.0
226 30.3 21.9 32.9



#22
Chrysene
Concen: 0.075 ng/ul
RT: 21.697 min Scan# 4207
Delta R.T. 0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:228 Resp: 2785
Ion Ratio Lower Upper
228 100
226 32.6 24.6 37.0
229 20.9 15.8 23.8

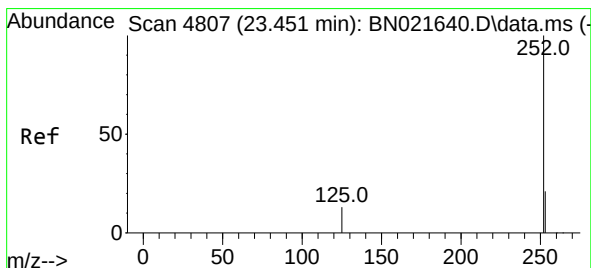
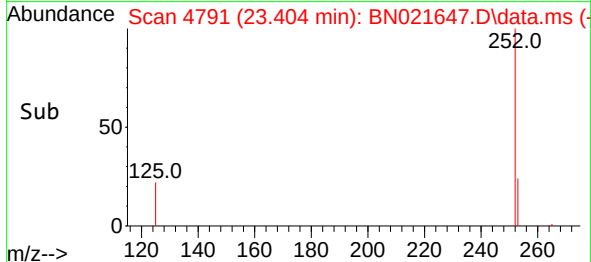
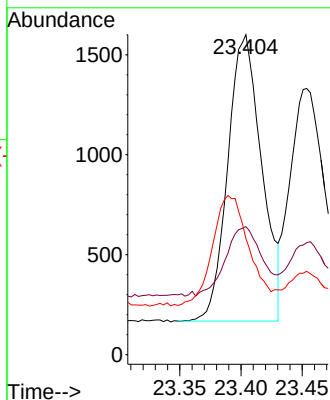
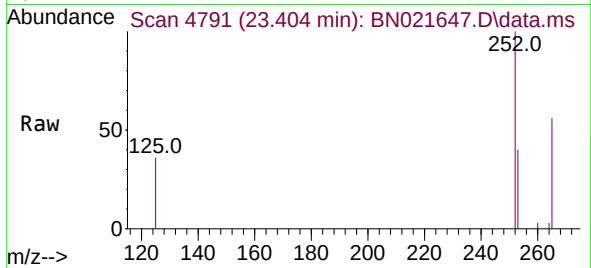




#24
Benzo(b)fluoranthene
Concen: 0.078 ng/ul
RT: 23.404 min Scan# 4791
Delta R.T. 0.003 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

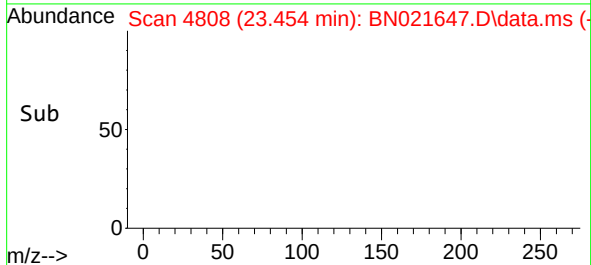
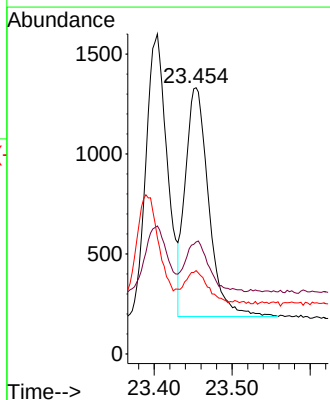
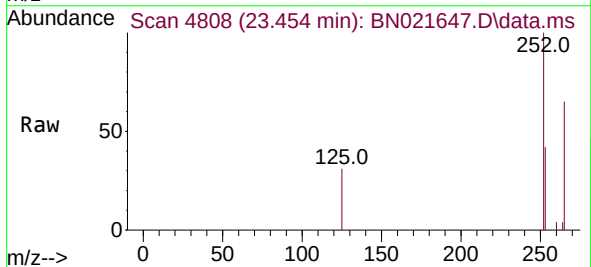
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-03

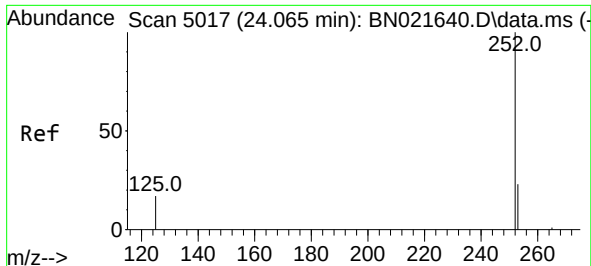
Tgt Ion:252 Resp: 2763
Ion Ratio Lower Upper
252 100
253 40.0 0.0 50.8
125 36.3 0.0 30.0#



#25
Benzo(k)fluoranthene
Concen: 0.070 ng/ul
RT: 23.454 min Scan# 4808
Delta R.T. 0.003 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:252 Resp: 2389
Ion Ratio Lower Upper
252 100
253 42.0 20.6 31.0#
125 31.3 11.8 17.6#

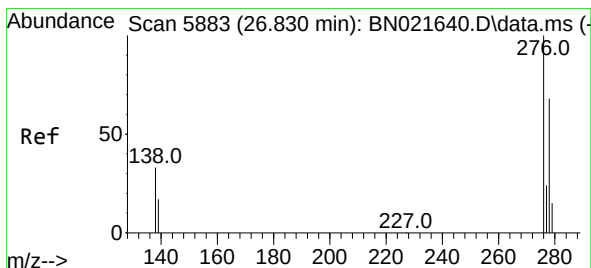
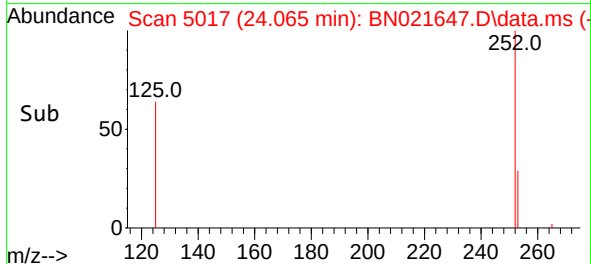
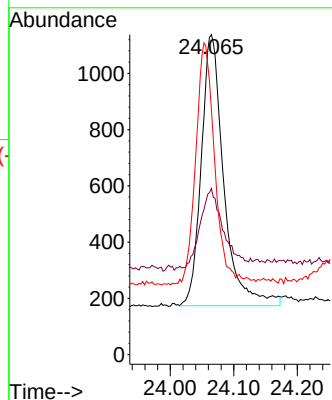
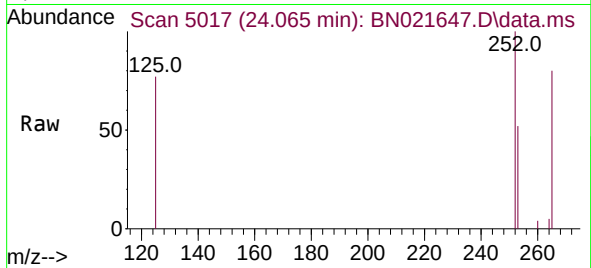




#26
Benzo(a)pyrene
Concen: 0.089 ng/ul
RT: 24.065 min Scan# 5017
Delta R.T. -0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

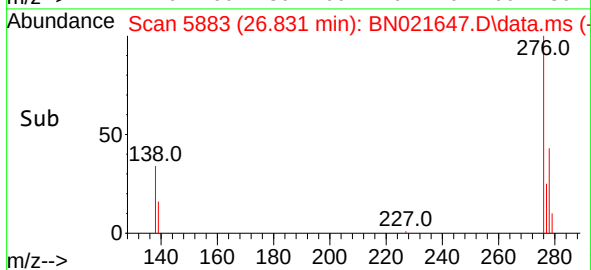
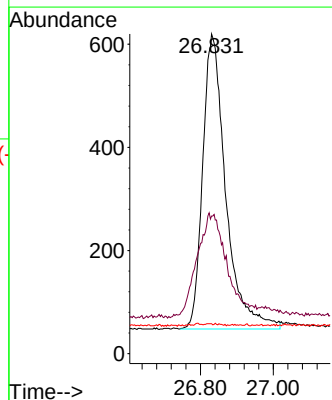
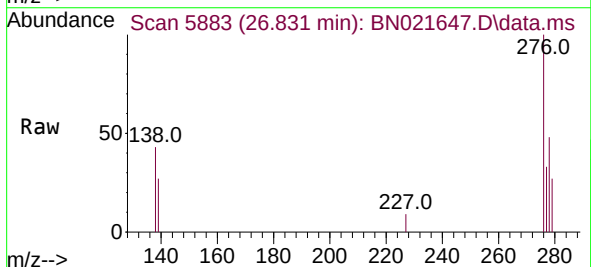
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT2-2022-03

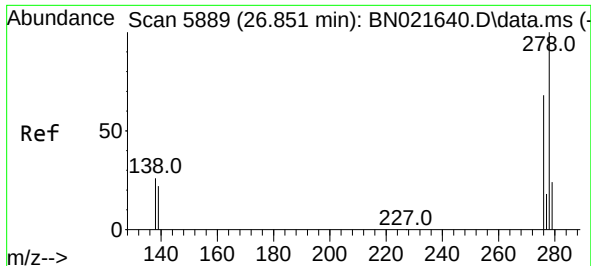
Tgt Ion:252 Resp: 2379
Ion Ratio Lower Upper
252 100
253 51.9 22.1 33.1#
125 76.5 14.7 22.1#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.083 ng/ul
RT: 26.831 min Scan# 5883
Delta R.T. 0.000 min
Lab File: BN021647.D
Acq: 08 Sep 2022 16:39

Tgt Ion:276 Resp: 2505
Ion Ratio Lower Upper
276 100
138 0.0 26.1 39.1#
227 0.1 0.1 0.1#

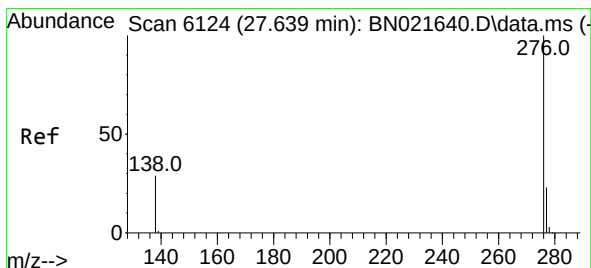
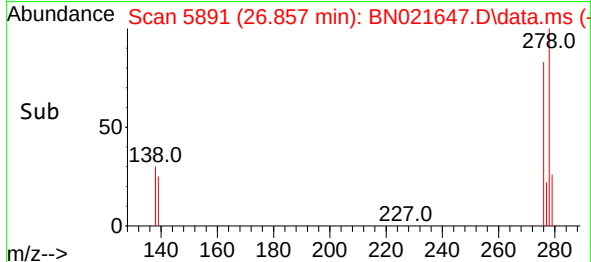
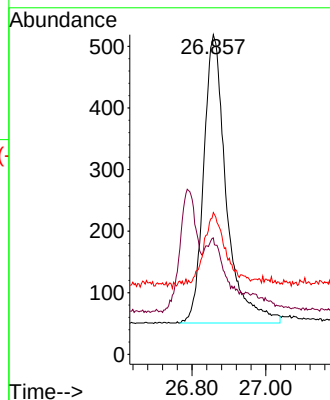
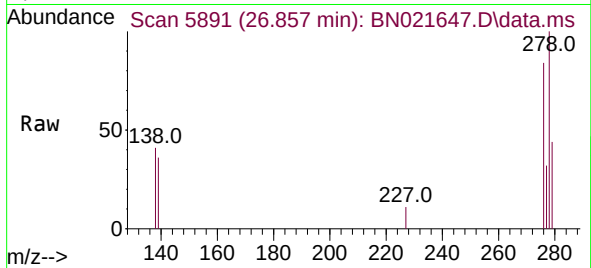




#28
 Dibenzo(a,h)anthracene
 Concen: 0.078 ng/ul
 RT: 26.857 min Scan# 5889
 Delta R.T. 0.007 min
 Lab File: BN021647.D
 Acq: 08 Sep 2022 16:39

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2022-03

Tgt Ion:278 Resp: 1988
 Ion Ratio Lower Upper
 278 100
 139 36.4 18.3 27.5#
 279 44.3 23.9 35.9#



#29
 Benzo(g,h,i)perylene
 Concen: 0.075 ng/ul
 RT: 27.646 min Scan# 6126
 Delta R.T. 0.007 min
 Lab File: BN021647.D
 Acq: 08 Sep 2022 16:39

Tgt Ion:276 Resp: 2076
 Ion Ratio Lower Upper
 276 100
 138 40.5 22.6 34.0#
 277 32.1 20.2 30.2#

