

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062121\
 Data File : BN014958.D
 Acq On : 21 Jun 2021 17:50
 Operator : CG/JU
 Sample : M2250-03
 Misc : SFAM-SIM-MDL-S-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Quant Time: Jun 21 18:19:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 21 14:33:43 2021
 Response via : Initial Calibration

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

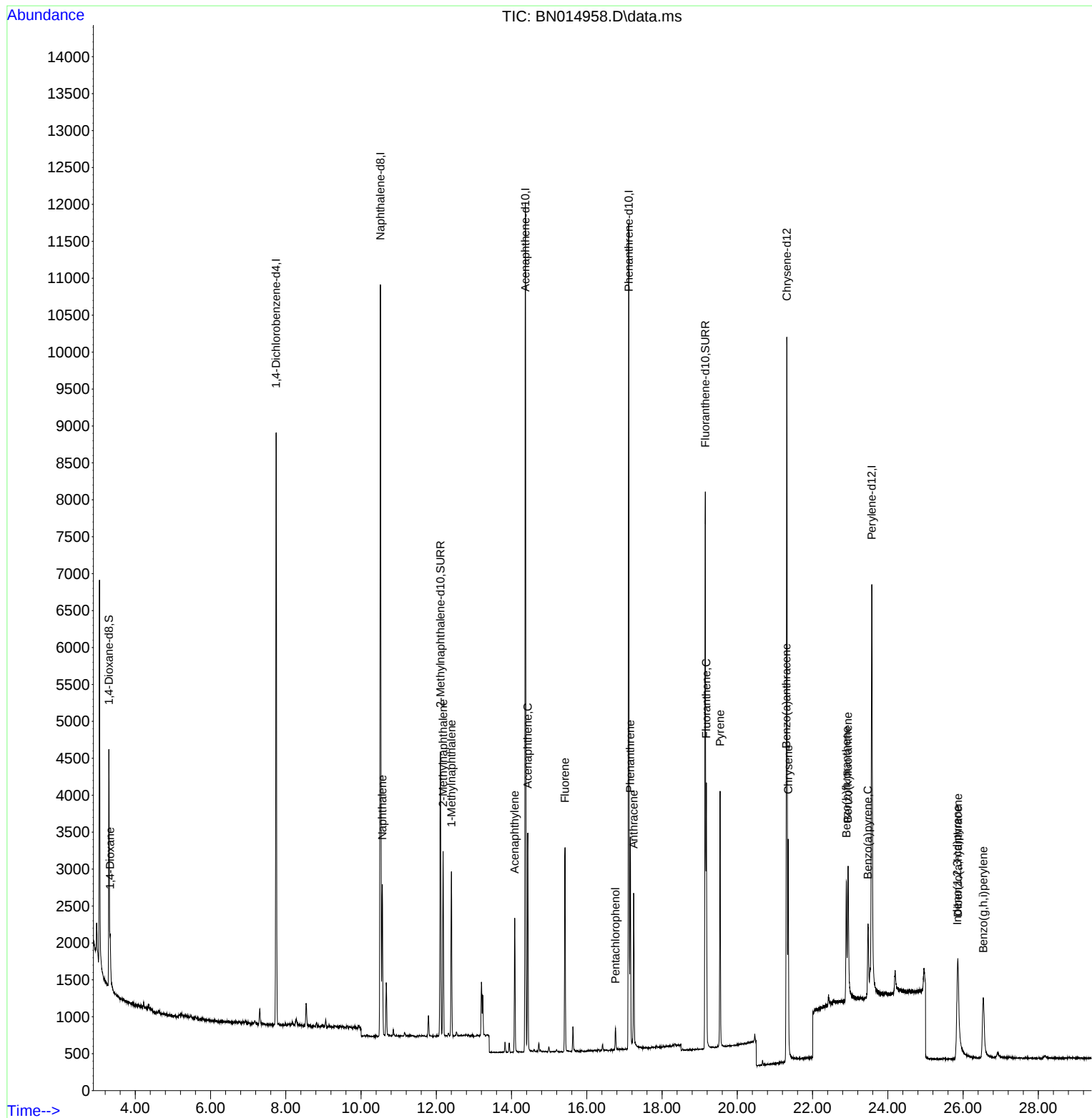
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	3889	0.400	ng/ul	0.00
4) Naphthalene-d8	10.516	136	13092	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.366	164	6398	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.114	188	12452	0.400	ng/ul	0.00
17) Chrysene-d12	21.318	240	8692	0.400	ng/ul	0.00
23) Perylene-d12	23.574	264	7822	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	2138	0.488	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.111	152	5047	0.246	ng/ul	0.00
18) Fluoranthene-d10	19.149	212	8242	0.289	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	329	0.069	ng/ul#	75
5) Naphthalene	10.565	128	2729	0.065	ng/ul#	95
7) 2-Methylnaphthalene	12.182	142	1765	0.065	ng/ul	100
8) 1-Methylnaphthalene	12.402	142	1507	0.057	ng/ul	99
10) Acenaphthylene	14.084	152	2031	0.061	ng/ul#	94
11) Acenaphthene	14.431	153	1661	0.066	ng/ul	98
12) Fluorene	15.421	166	1712	0.061	ng/ul	96
14) Pentachlorophenol	16.764	266	206	0.075	ng/ul	95
15) Phenanthrene	17.156	178	2908	0.064	ng/ul	95
16) Anthracene	17.245	178	2316	0.058	ng/ul	94
19) Fluoranthene	19.176	202	2975	0.074	ng/ul#	94
20) Pyrene	19.544	202	2926	0.073	ng/ul	96
21) Benzo(a)anthracene	21.300	228	2095	0.065	ng/ul	97
22) Chrysene	21.353	228	2600	0.067	ng/ul	96
24) Benzo(b)fluoranthene	22.899	252	2173	0.059	ng/ul	77
25) Benzo(k)fluoranthene	22.942	252	2573	0.062	ng/ul#	67
26) Benzo(a)pyrene	23.475	252	1882	0.061	ng/ul#	66
27) Indeno(1,2,3-cd)pyrene	25.849	276	2223	0.060	ng/ul#	42
28) Dibenzo(a,h)anthracene	25.866	278	1709	0.059	ng/ul#	68
29) Benzo(g,h,i)perylene	26.536	276	2073	0.060	ng/ul#	85

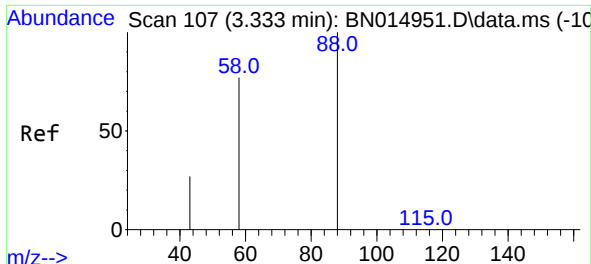
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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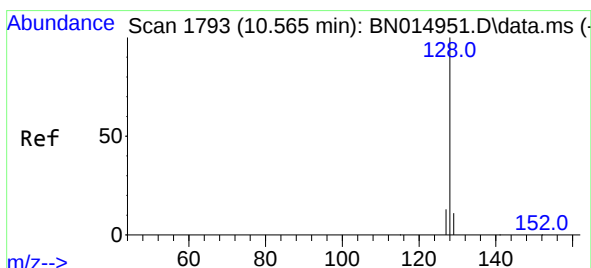
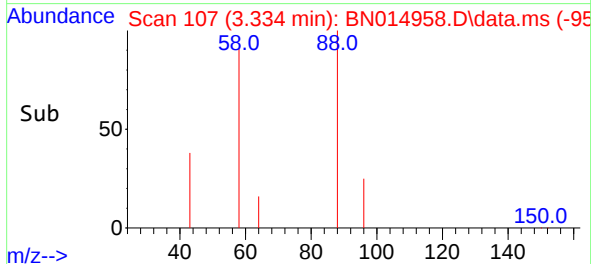
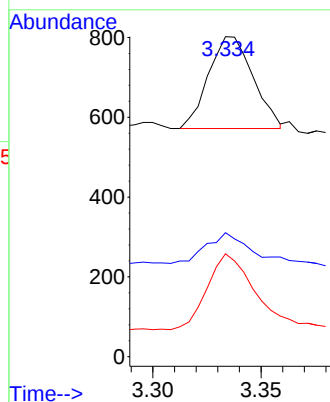
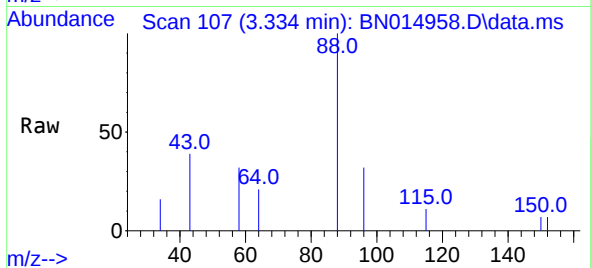




#2
1,4-Dioxane
Concen: 0.069 ng/ul
RT: 3.334 min Scan# 107
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

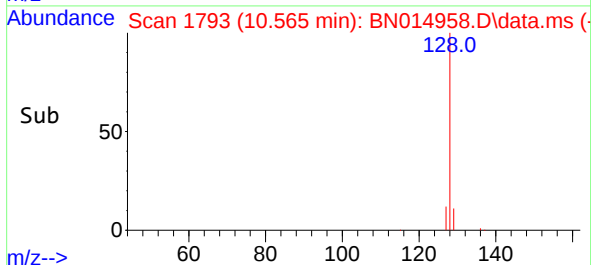
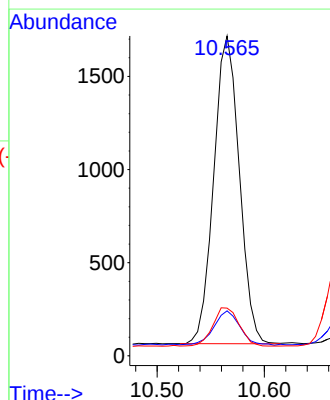
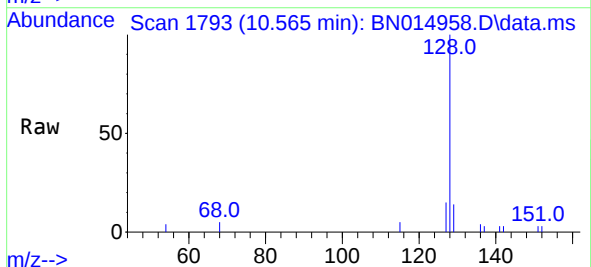
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

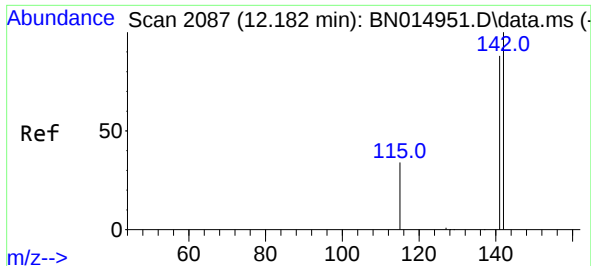
Tgt Ion: 88 Resp: 329
Ion Ratio Lower Upper
88 100
43 38.8 24.9 37.3#
58 32.2 43.4 65.0#



#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.565 min Scan# 1793
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion: 128 Resp: 2729
Ion Ratio Lower Upper
128 100
129 14.1 9.3 13.9#
127 14.9 10.8 16.2

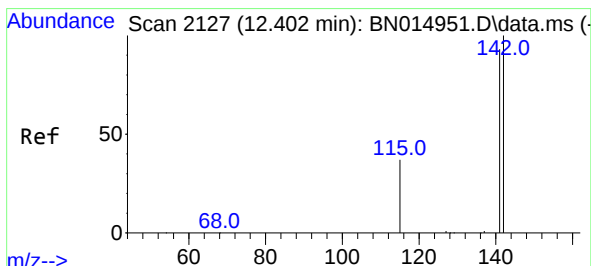
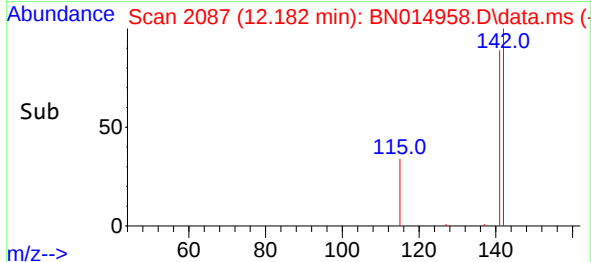
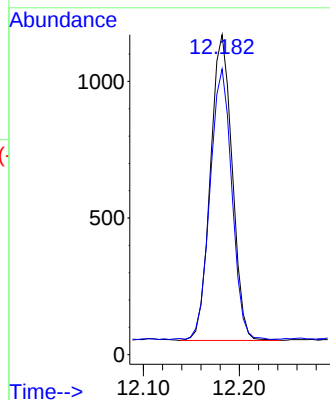
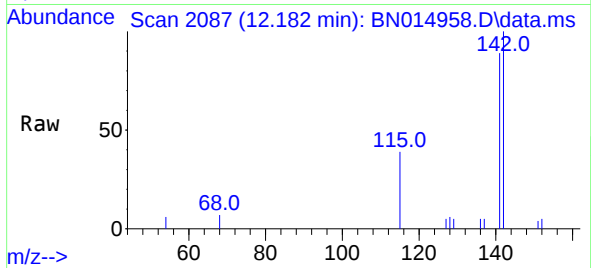




#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.182 min Scan# 2087
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

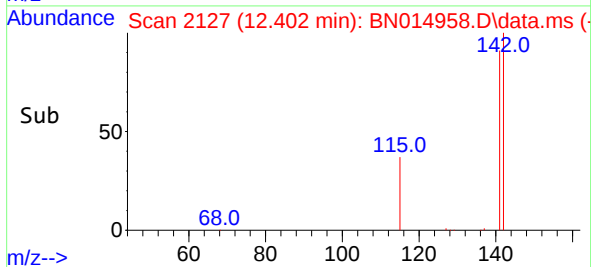
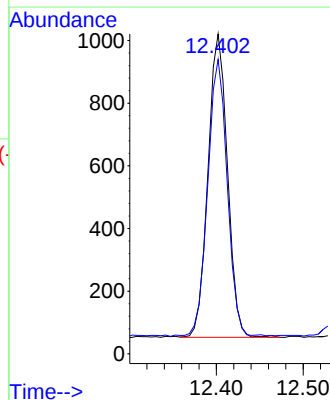
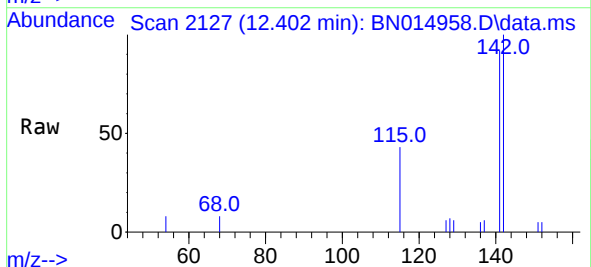
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

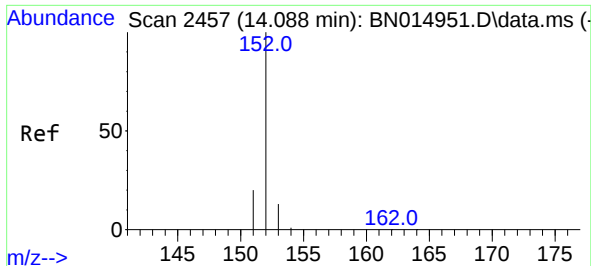
Tgt Ion:142 Resp: 1765
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5



#8
1-Methylnaphthalene
Concen: 0.057 ng/ul
RT: 12.402 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:142 Resp: 1507
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4

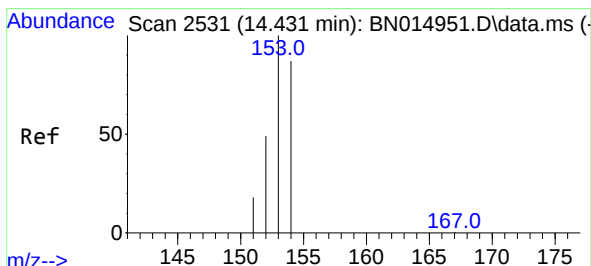
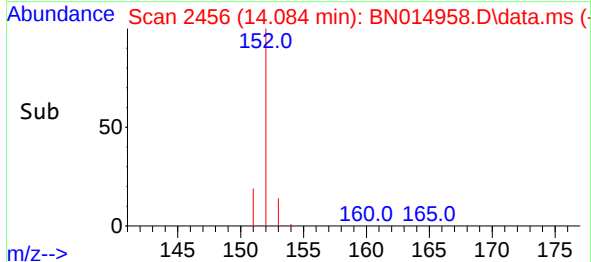
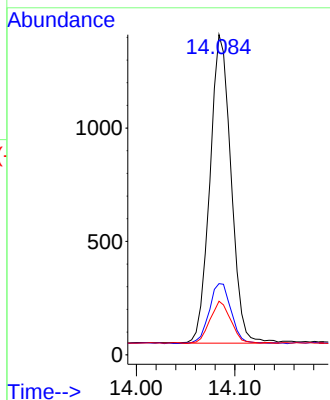
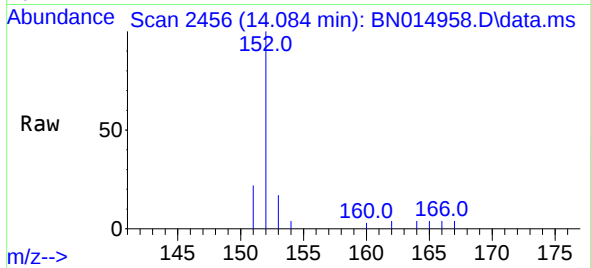




#10
Acenaphthylene
Concen: 0.061 ng/ul
RT: 14.084 min Scan# 2456
Delta R.T. -0.005 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

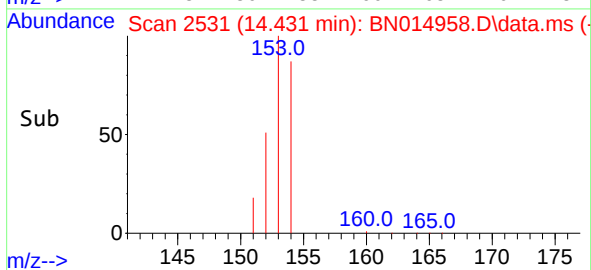
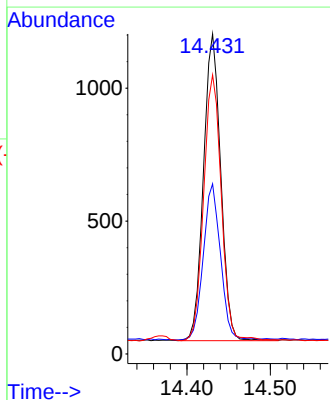
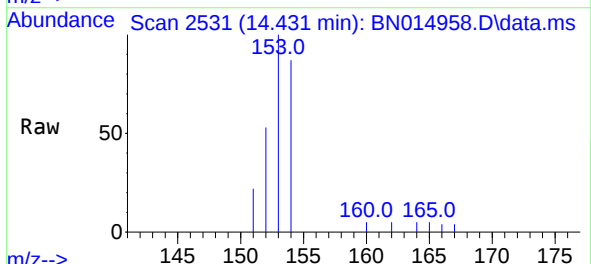
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

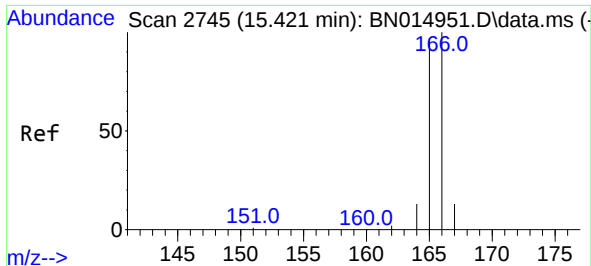
Tgt Ion:	152	Resp:	2031
Ion Ratio	Lower	Upper	
152	100		
151	22.2	16.0	24.0
153	16.7	10.9	16.3#



#11
Acenaphthene
Concen: 0.066 ng/ul
RT: 14.431 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:	153	Resp:	1661
Ion Ratio	Lower	Upper	
153	100		
152	53.2	39.8	59.6
154	87.2	69.8	104.8



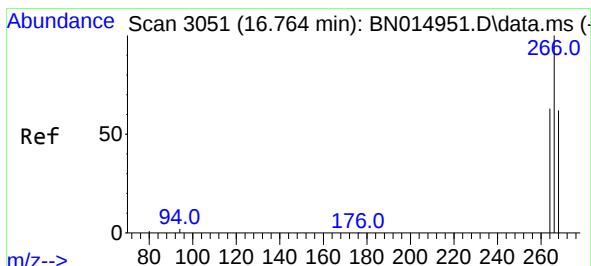
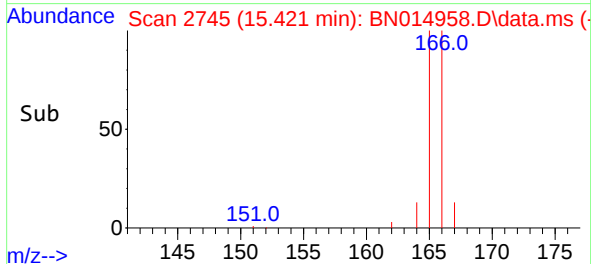
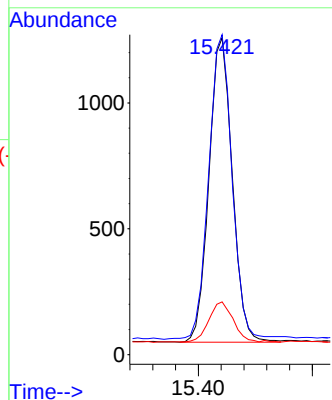
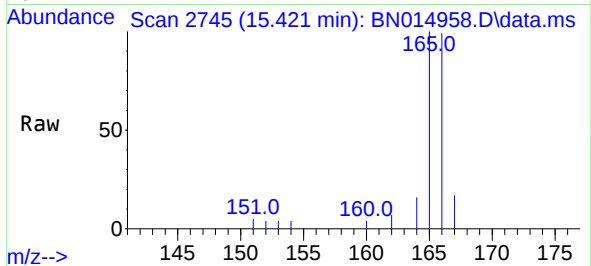


#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.421 min Scan# 2745
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

Tgt Ion:166 Resp: 1712

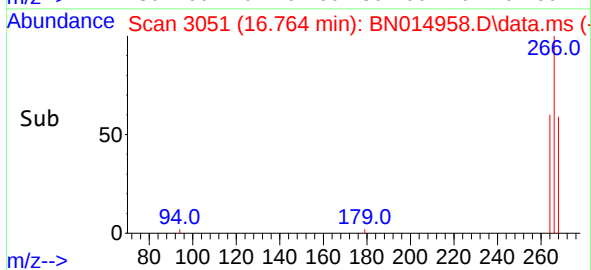
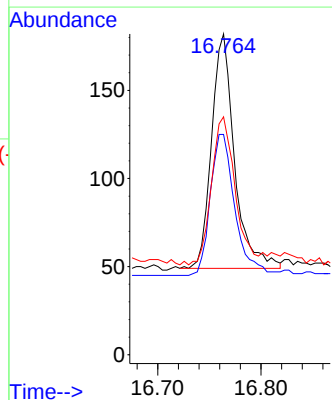
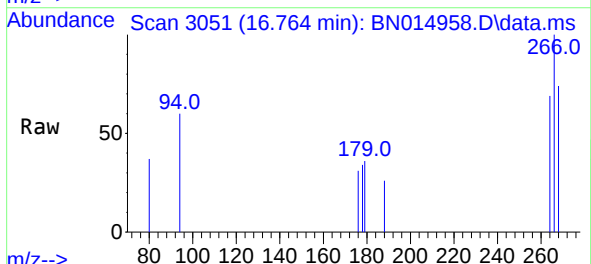
Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.8
167	16.7	11.2	16.8

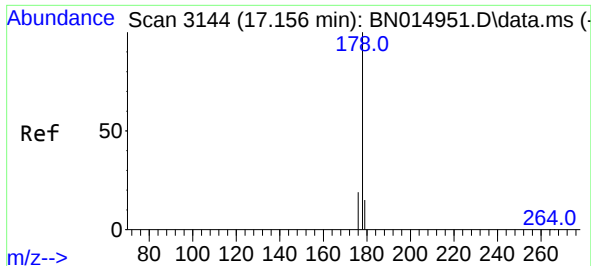


#14
Pentachlorophenol
Concen: 0.075 ng/ul
RT: 16.764 min Scan# 3051
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:266 Resp: 206

Ion	Ratio	Lower	Upper
266	100		
264	64.1	50.2	75.2
268	71.8	51.8	77.6

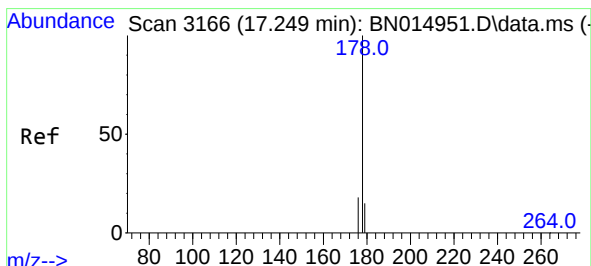
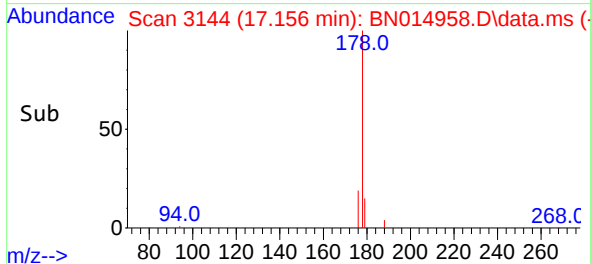
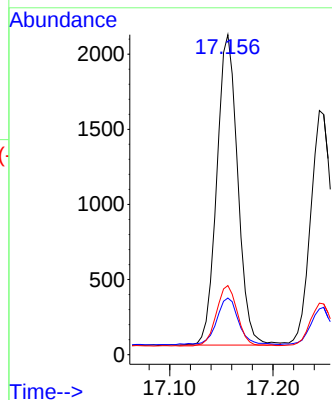
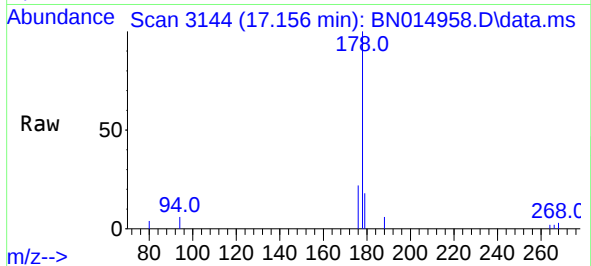




#15
Phenanthrene
Concen: 0.064 ng/u1
RT: 17.156 min Scan# 3144
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

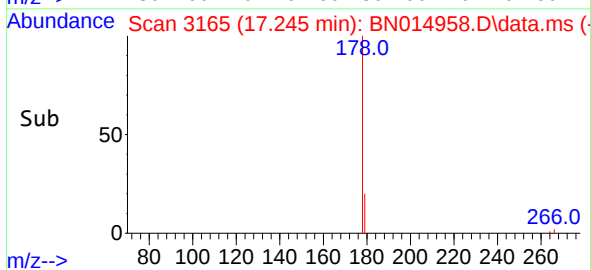
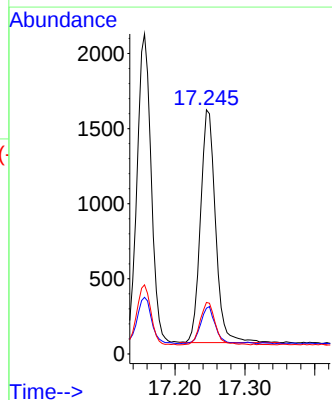
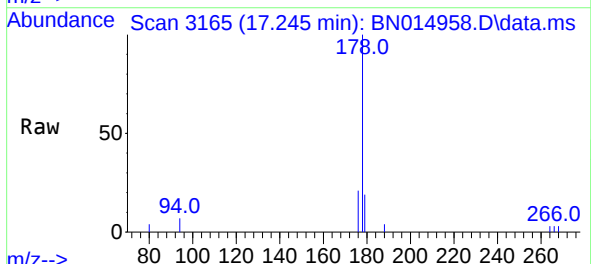
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

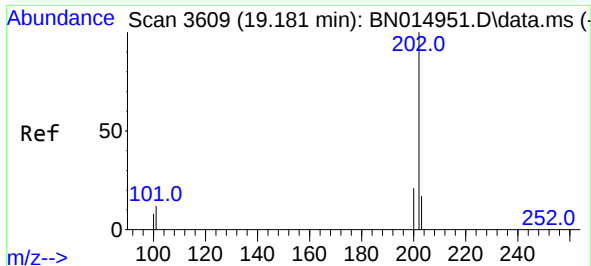
Tgt Ion:	178	Resp:	2908
Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.3	18.5
176	21.6	15.5	23.3



#16
Anthracene
Concen: 0.058 ng/u1
RT: 17.245 min Scan# 3165
Delta R.T. -0.004 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:	178	Resp:	2316
Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.8	19.2
176	21.1	15.2	22.8

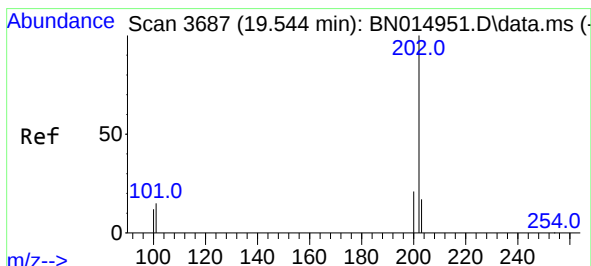
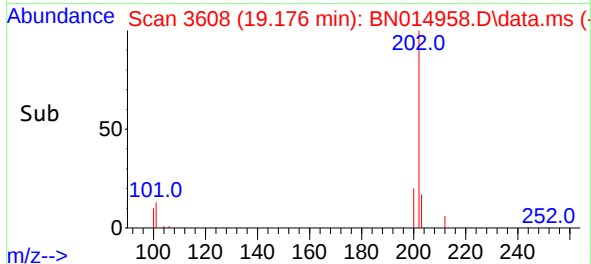
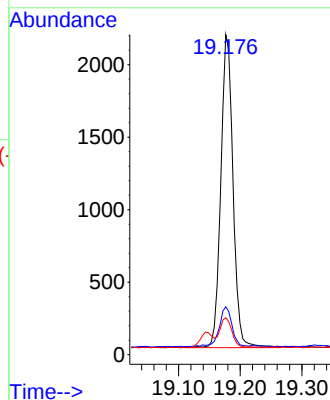
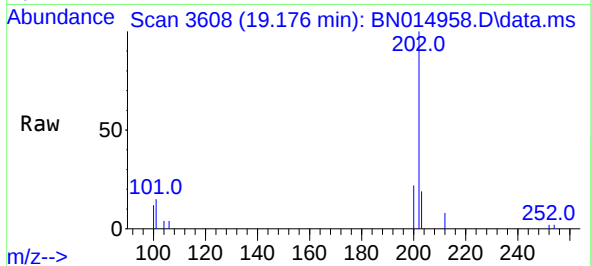




#19
Fluoranthene
Concen: 0.074 ng/ul
RT: 19.176 min Scan# 3608
Delta R.T. -0.005 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

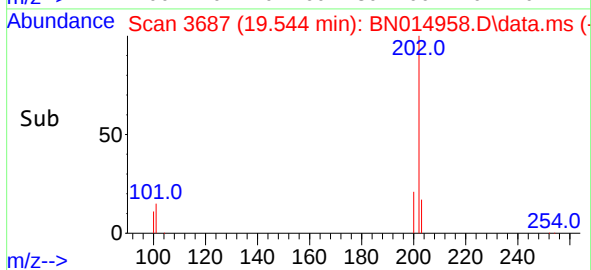
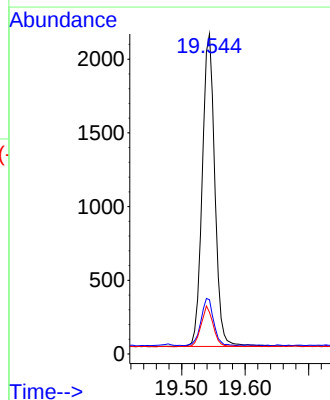
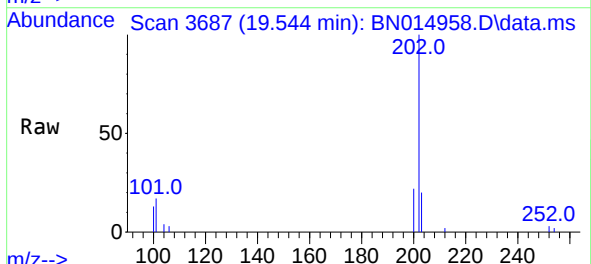
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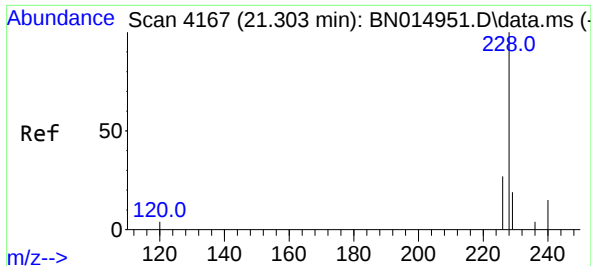
Tgt Ion:	202	Resp:	2975
Ion	Ratio	Lower	Upper
202	100		
101	15.0	10.1	15.1
100	11.6	7.4	11.0#



#20
Pyrene
Concen: 0.073 ng/ul
RT: 19.544 min Scan# 3687
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:	202	Resp:	2926
Ion	Ratio	Lower	Upper
202	100		
101	17.0	12.0	18.0
100	13.0	9.6	14.4

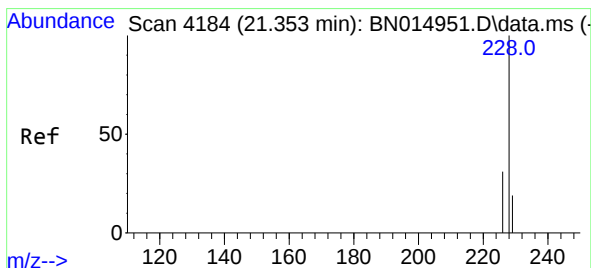
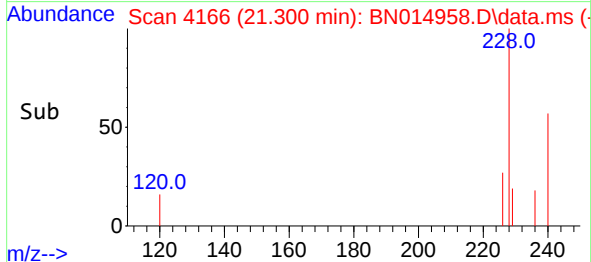
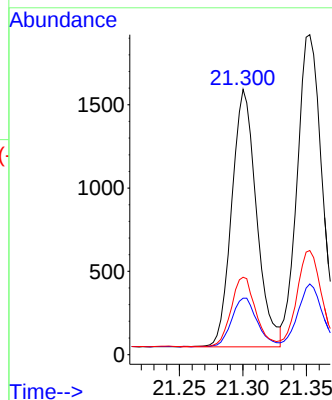
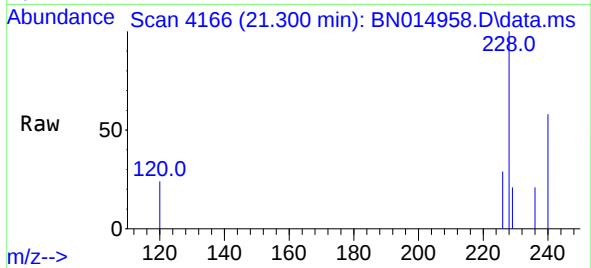




#21
Benzo(a)anthracene
Concen: 0.065 ng/ul
RT: 21.300 min Scan# 4166
Delta R.T. -0.003 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

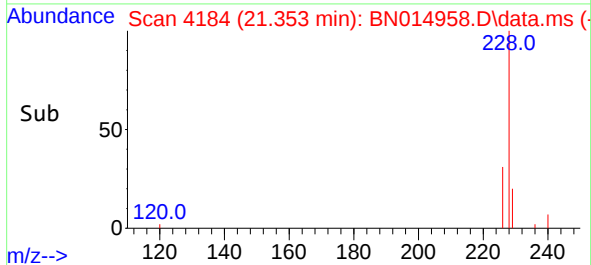
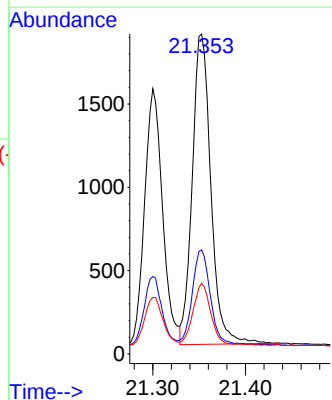
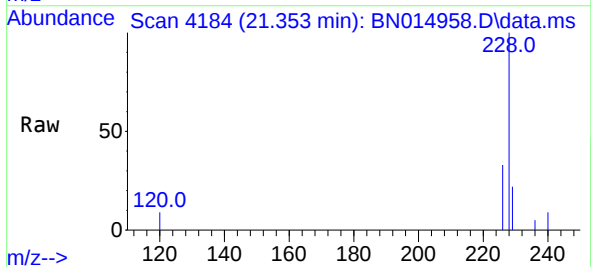
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

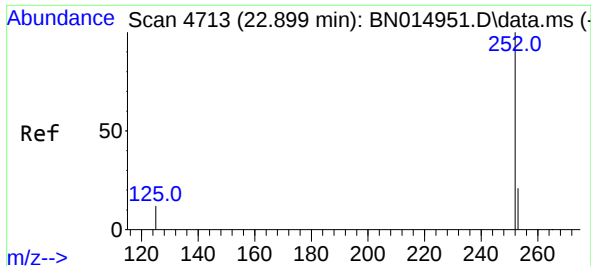
Tgt Ion:228	Resp:	2095
Ion Ratio	Lower	Upper
228	100	
229	21.3	15.8 23.8
226	29.2	21.8 32.8



#22
Chrysene
Concen: 0.067 ng/ul
RT: 21.353 min Scan# 4184
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:228	Resp:	2600
Ion Ratio	Lower	Upper
228	100	
226	32.5	24.6 37.0
229	22.1	15.7 23.5

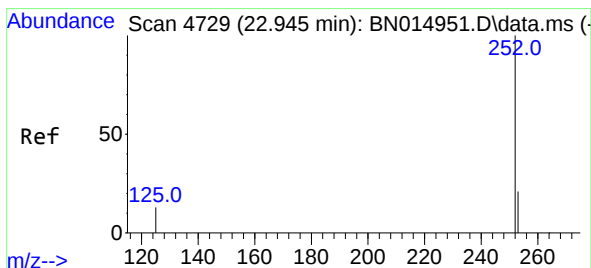
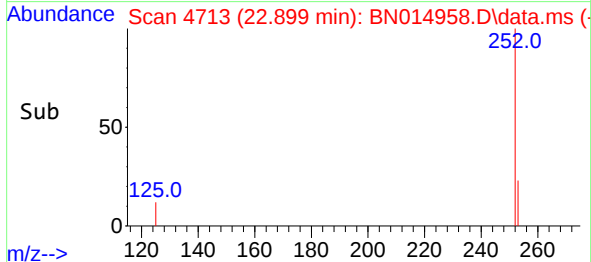
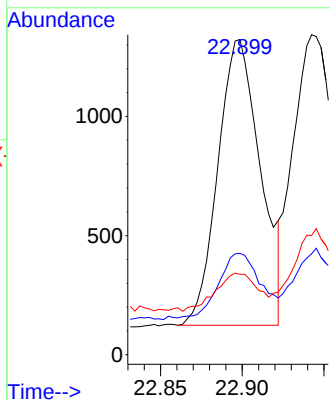
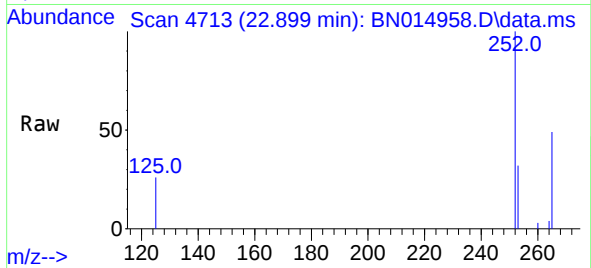




#24
Benzo(b)fluoranthene
Concen: 0.059 ng/ul
RT: 22.899 min Scan# 4713
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

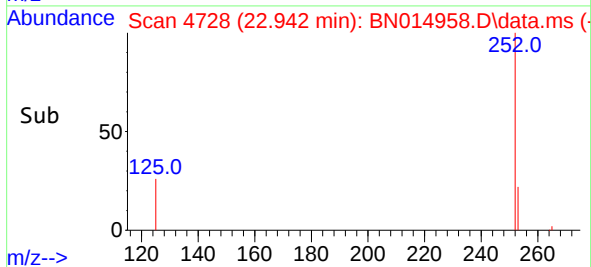
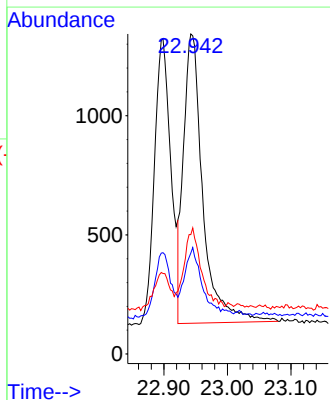
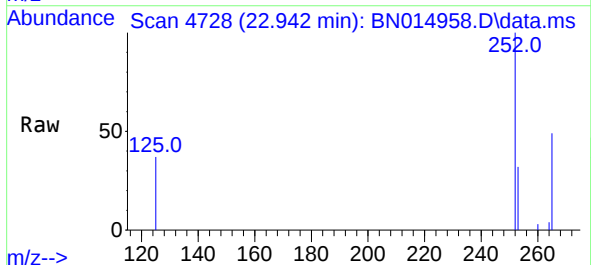
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

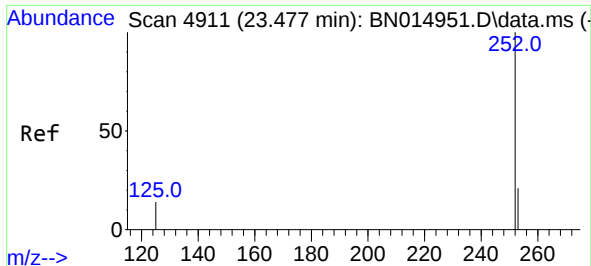
Tgt Ion:252 Resp: 2173
Ion Ratio Lower Upper
252 100
253 32.1 0.0 45.6
125 25.5 0.0 28.4



#25
Benzo(k)fluoranthene
Concen: 0.062 ng/ul
RT: 22.942 min Scan# 4728
Delta R.T. -0.003 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:252 Resp: 2573
Ion Ratio Lower Upper
252 100
253 31.6 18.1 27.1#
125 37.3 11.5 17.3#

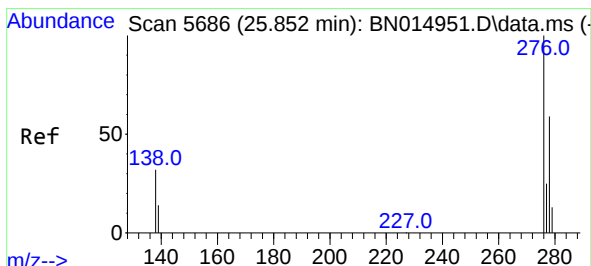
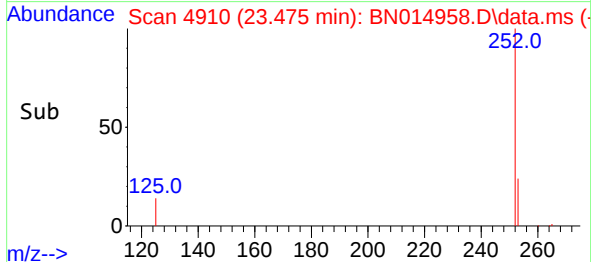
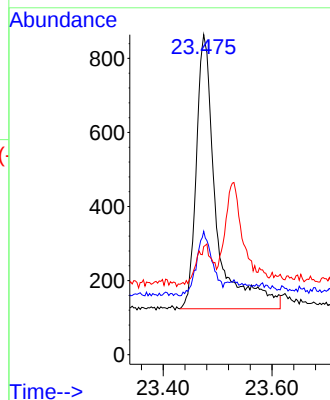
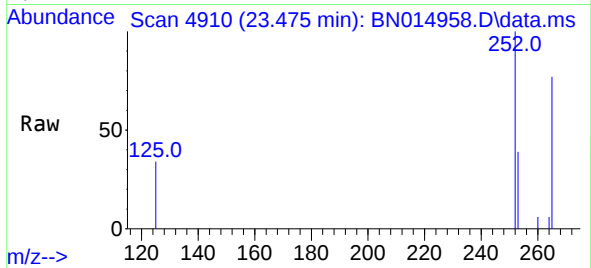




#26
Benzo(a)pyrene
Concen: 0.061 ng/ul
RT: 23.475 min Scan# 4910
Delta R.T. -0.003 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

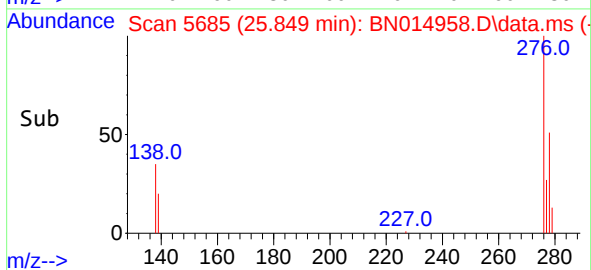
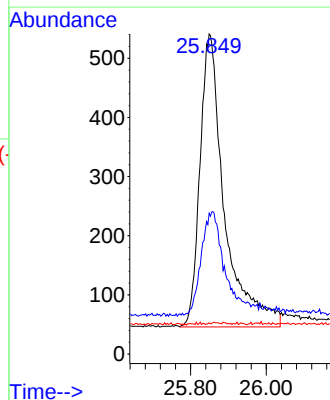
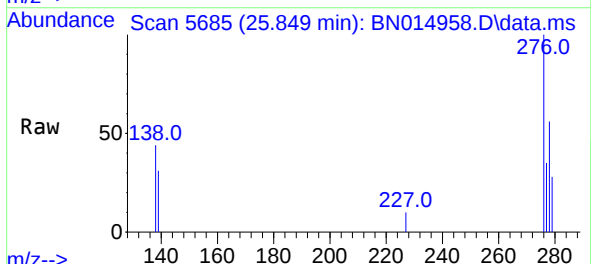
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

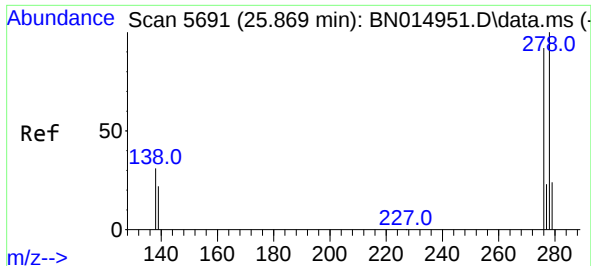
Tgt Ion:252 Resp: 1882
Ion Ratio Lower Upper
252 100
253 38.5 18.9 28.3#
125 33.8 13.5 20.3#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng/ul
RT: 25.849 min Scan# 5685
Delta R.T. -0.003 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:276 Resp: 2223
Ion Ratio Lower Upper
276 100
138 0.0 26.3 39.5#
227 0.1 0.1 0.1

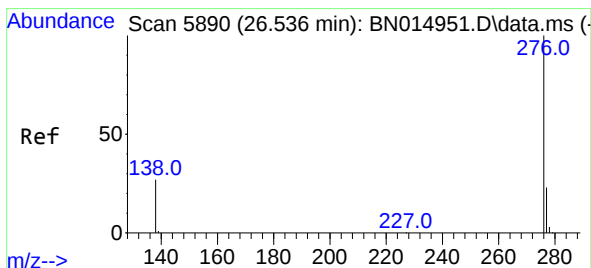
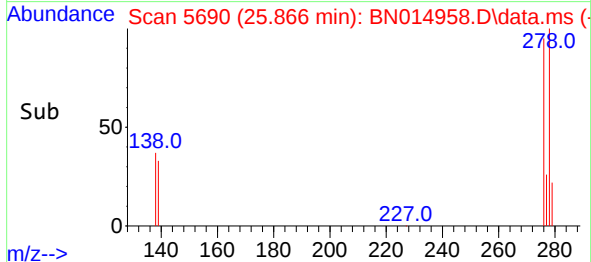
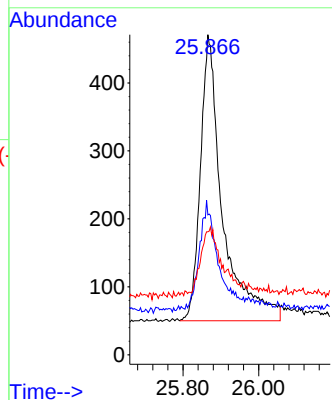
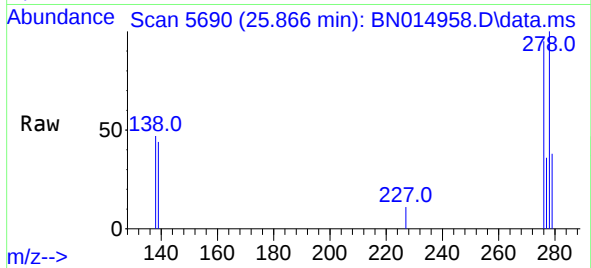




#28
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 25.866 min Scan# 5690
Delta R.T. -0.003 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-05

Tgt Ion:278 Resp: 1709
Ion Ratio Lower Upper
278 100
139 43.7 18.9 28.3#
279 38.4 20.8 31.2#



#29
Benzo(g,h,i)perylene
Concen: 0.060 ng/ul
RT: 26.536 min Scan# 5890
Delta R.T. 0.000 min
Lab File: BN014958.D
Acq: 21 Jun 2021 17:50

Tgt Ion:276 Resp: 2073
Ion Ratio Lower Upper
276 100
138 36.6 23.0 34.4#
277 31.8 19.3 28.9#

