

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101921\
 Data File : BN017009.D
 Acq On : 19 Oct 2021 17:46
 Operator : CG/JU
 Sample : M3263-03
 Misc : SFAM-SIM-MDL-SOIL-01
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Quant Time: Oct 19 18:18:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN101921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 19 14:22:25 2021
 Response via : Initial Calibration

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

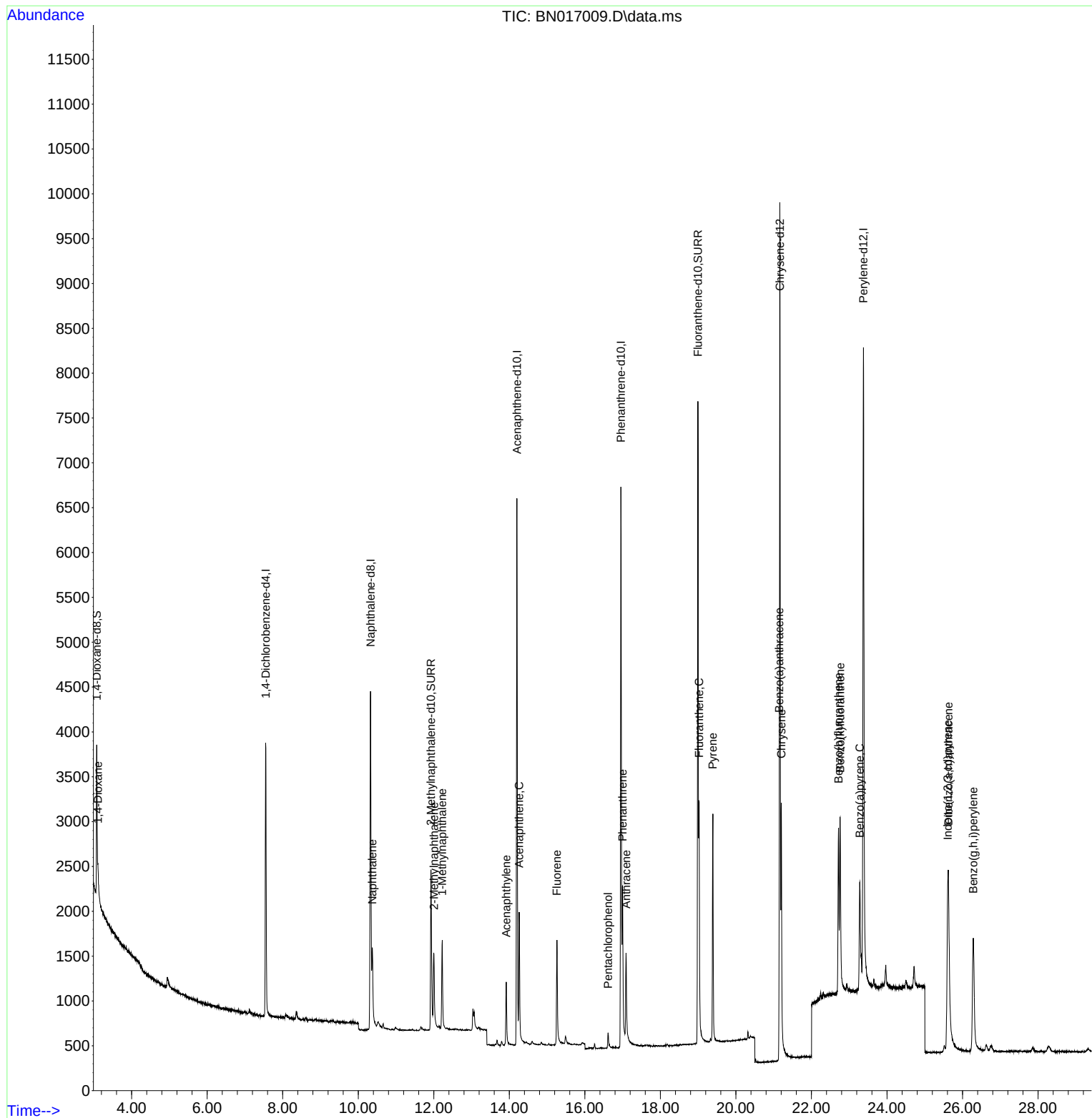
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	1643	0.40	ng/ul	0.00
4) Naphthalene-d8	10.326	136	6057	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.202	164	3592	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.956	188	8161	0.40	ng/ul	0.00
17) Chrysene-d12	21.164	240	8878	0.40	ng/ul	0.00
23) Perylene-d12	23.376	264	9846	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.076	96	1267	0.71	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	2832	0.33	ng/ul	0.00
18) Fluoranthene-d10	18.993	212	8346	0.38	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.109	88	129	0.06	ng/ul#	64
5) Naphthalene	10.376	128	1244	0.07	ng/ul#	85
7) 2-Methylnaphthalene	12.004	142	745	0.07	ng/ul	98
8) 1-Methylnaphthalene	12.224	142	776	0.07	ng/ul	100
10) Acenaphthylene	13.920	152	991	0.07	ng/ul#	86
11) Acenaphthene	14.262	153	853	0.07	ng/ul	97
12) Fluorene	15.261	166	951	0.07	ng/ul#	97
14) Pentachlorophenol	16.614	266	166	0.08	ng/ul	94
15) Phenanthrene	16.998	178	1833	0.07	ng/ul#	92
16) Anthracene	17.091	178	1378	0.06	ng/ul#	88
19) Fluoranthene	19.026	202	2203	0.07	ng/ul	96
20) Pyrene	19.388	202	2287	0.07	ng/ul#	92
21) Benzo(a)anthracene	21.149	228	1868	0.06	ng/ul	94
22) Chrysene	21.202	228	2402	0.07	ng/ul	98
24) Benzo(b)fluoranthene	22.715	252	2536	0.07	ng/ul	79
25) Benzo(k)fluoranthene	22.759	252	2874	0.07	ng/ul#	77
26) Benzo(a)pyrene	23.280	252	2327	0.07	ng/ul#	68
27) Indeno(1,2,3-cd)pyrene	25.608	276	3360	0.07	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.625	278	2622	0.07	ng/ul#	80
29) Benzo(g,h,i)perylene	26.286	276	2951	0.07	ng/ul#	90

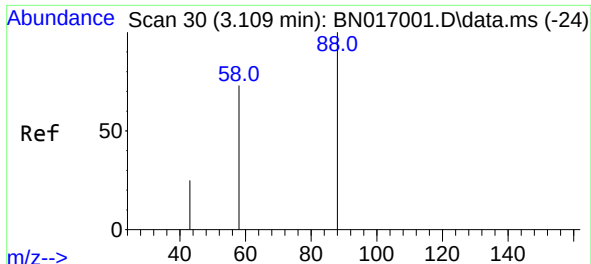
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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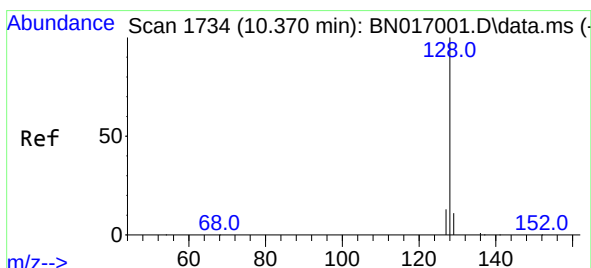
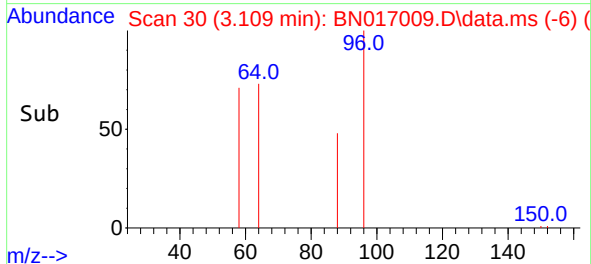
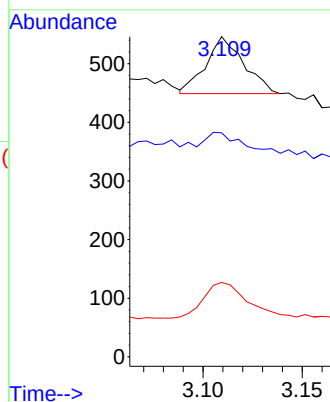
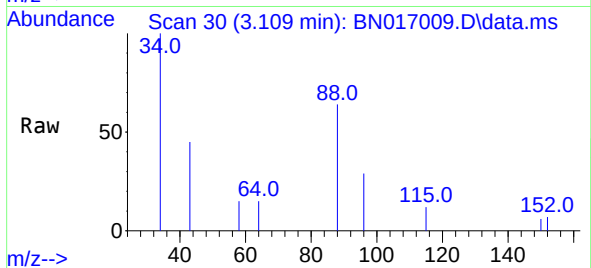




#2
1,4-Dioxane
Concen: 0.06 ng/ul
RT: 3.109 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

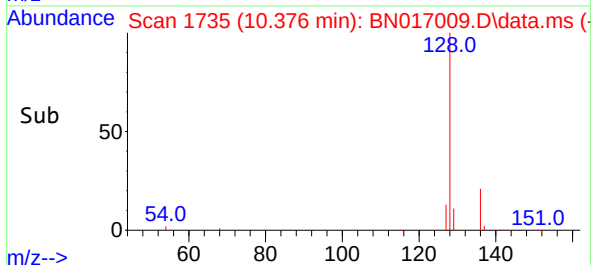
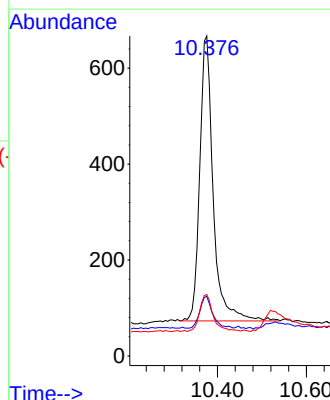
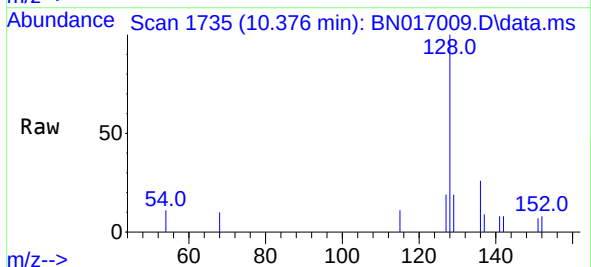
Instrument :
BNA_N
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MDL-SOIL-QT4-2021-07

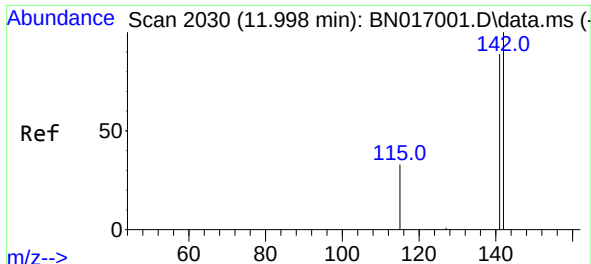
Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 70.0 85.8 128.8#
58 23.3 38.0 57.0#



#5
Naphthalene
Concen: 0.07 ng/ul
RT: 10.376 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion: 128 Resp: 1244
Ion Ratio Lower Upper
128 100
129 18.6 9.6 14.4#
127 19.2 11.0 16.4#

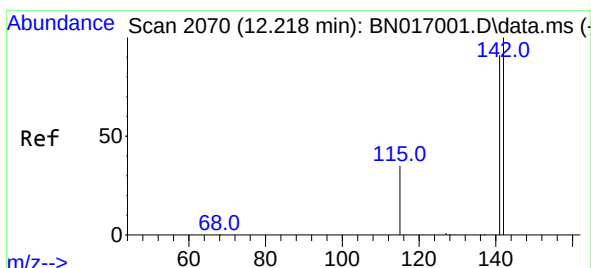
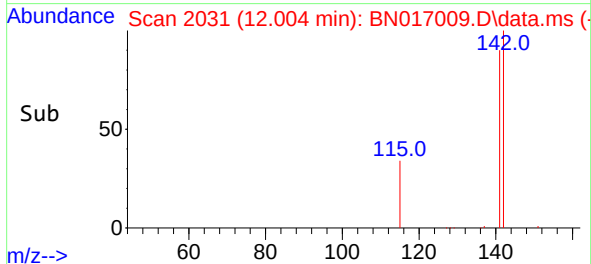
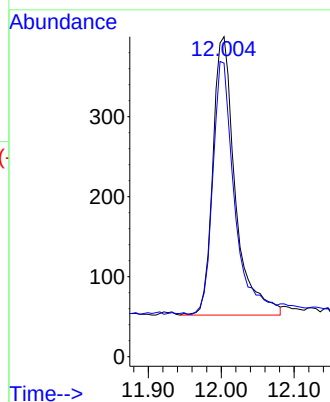
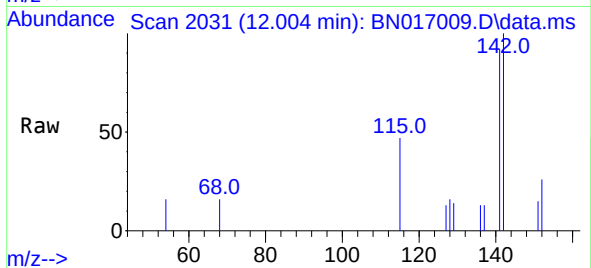




#7
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.004 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

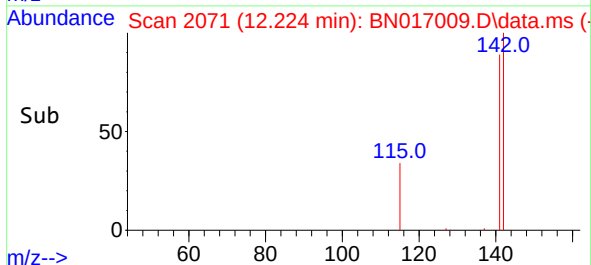
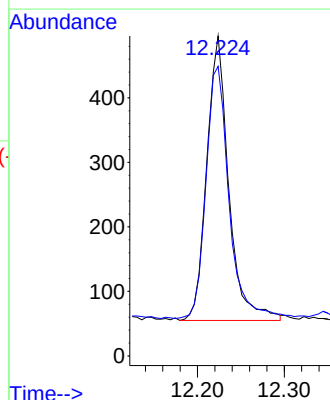
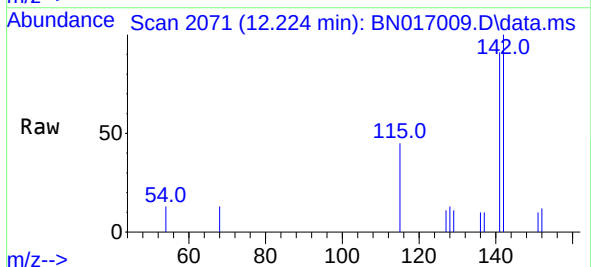
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

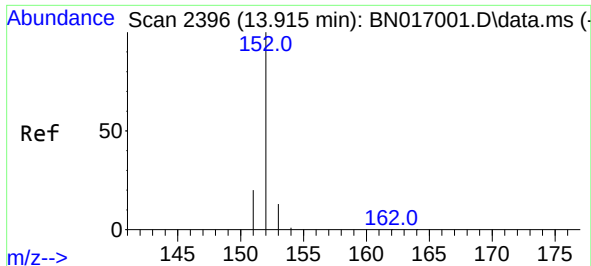
Tgt Ion:142 Resp: 745
Ion Ratio Lower Upper
142 100
141 87.8 71.4 107.0



#8
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.224 min Scan# 2071
Delta R.T. 0.006 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
141 92.4 73.7 110.5

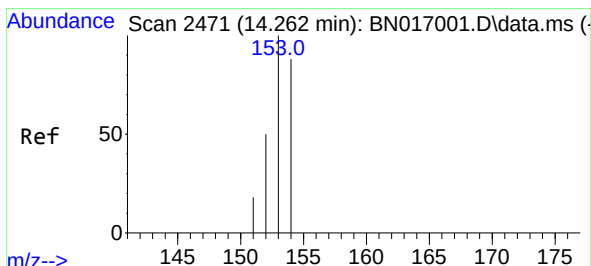
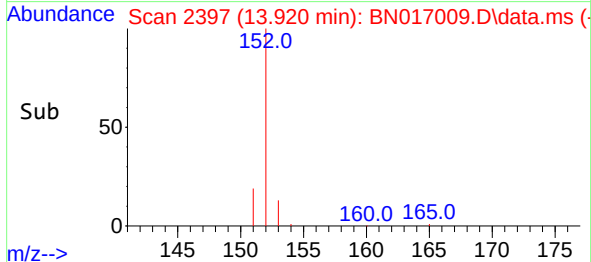
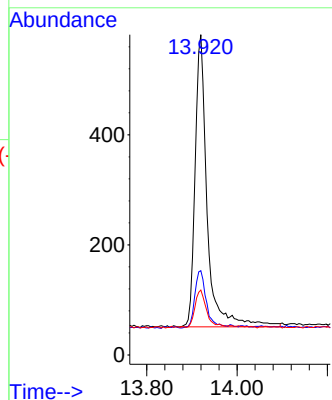
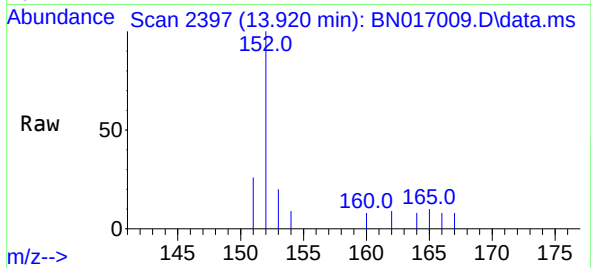




#10
Acenaphthylene
Concen: 0.07 ng/ul
RT: 13.920 min Scan# 2397
Delta R.T. 0.005 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

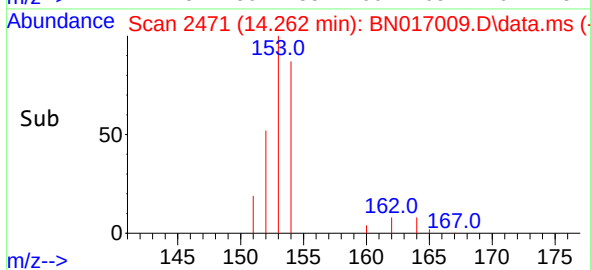
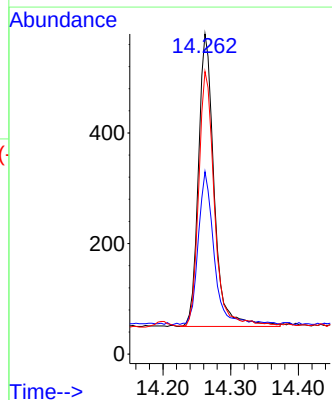
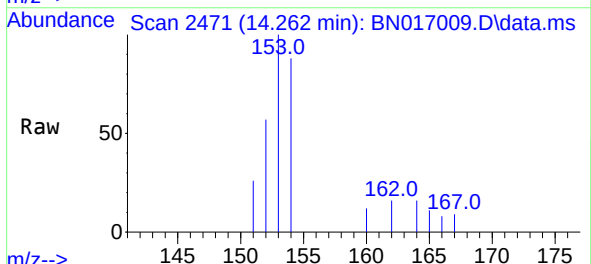
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

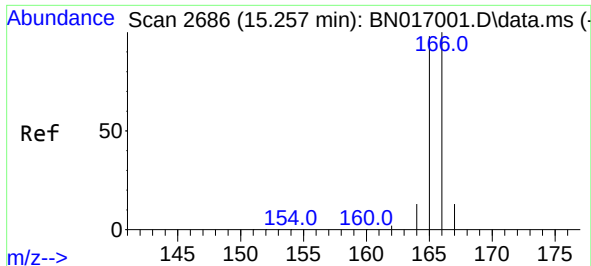
Tgt Ion:	152	Resp:	991
Ion Ratio	Lower	Upper	
152	100		
151	26.3	16.4	24.6#
153	20.3	11.3	16.9#



#11
Acenaphthene
Concen: 0.07 ng/ul
RT: 14.262 min Scan# 2471
Delta R.T. 0.000 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:	153	Resp:	853
Ion Ratio	Lower	Upper	
153	100		
152	57.0	40.7	61.1
154	88.3	70.7	106.1

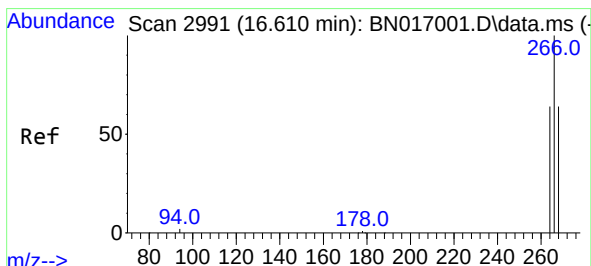
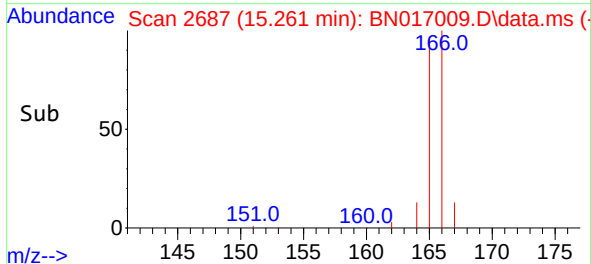
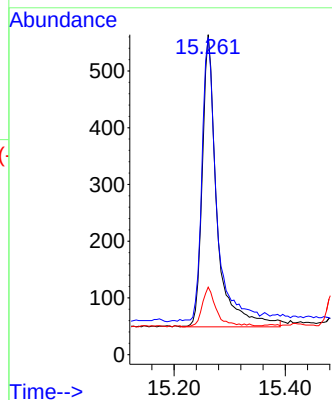
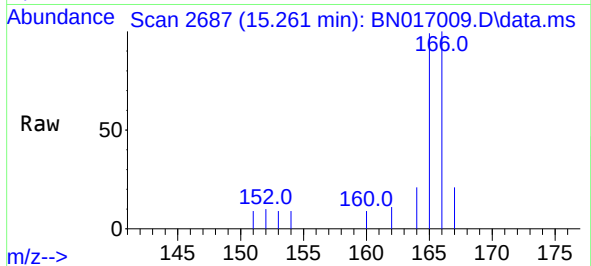




#12
Fluorene
Concen: 0.07 ng/ul
RT: 15.261 min Scan# 2687
Delta R.T. 0.005 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

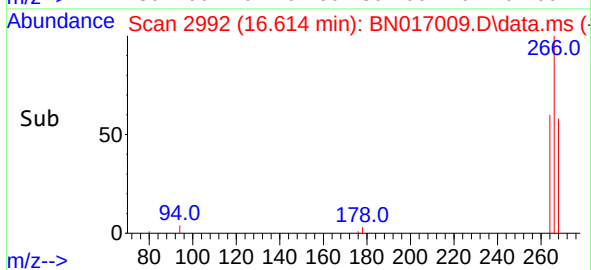
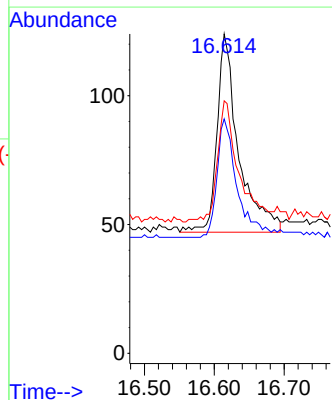
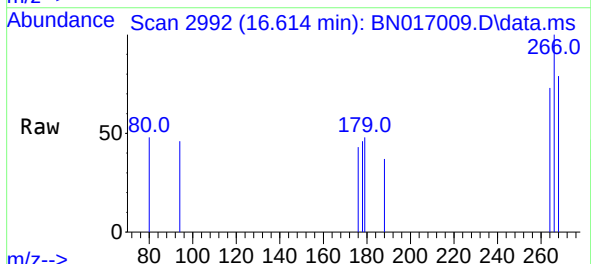
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

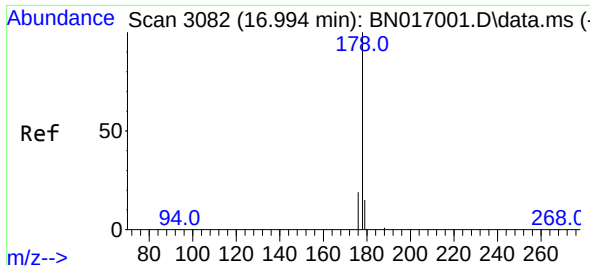
Tgt Ion:	166	Resp:	951
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.0	118.4
167	21.1	11.2	16.8#



#14
Pentachlorophenol
Concen: 0.08 ng/ul
RT: 16.614 min Scan# 2992
Delta R.T. 0.004 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:	266	Resp:	166
Ion Ratio	Lower	Upper	
266	100		
264	56.6	49.8	74.6
268	59.6	50.5	75.7

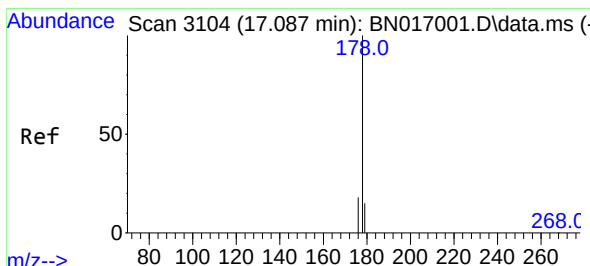
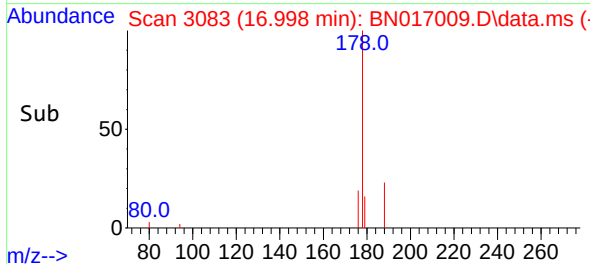
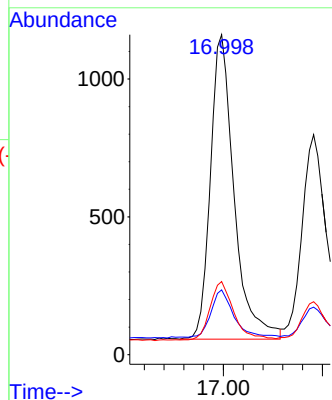
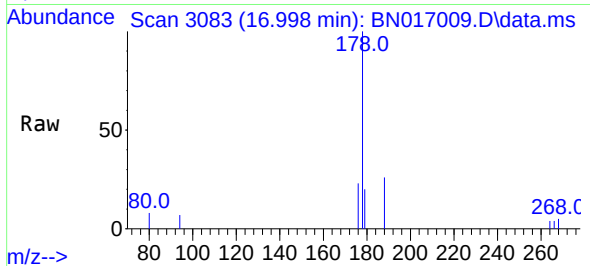




#15
Phenanthrene
Concen: 0.07 ng/ul
RT: 16.998 min Scan# 3083
Delta R.T. 0.004 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

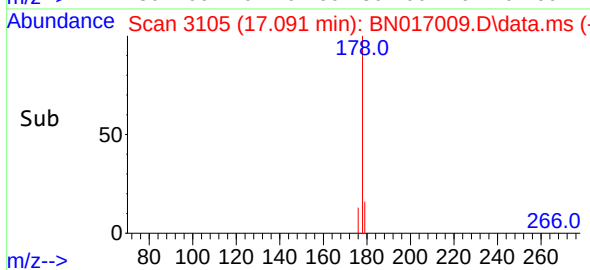
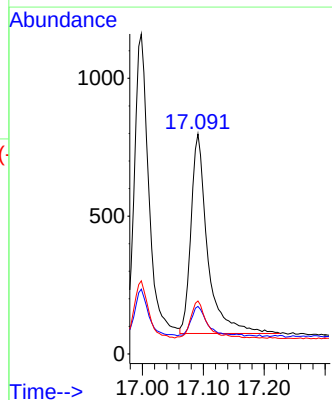
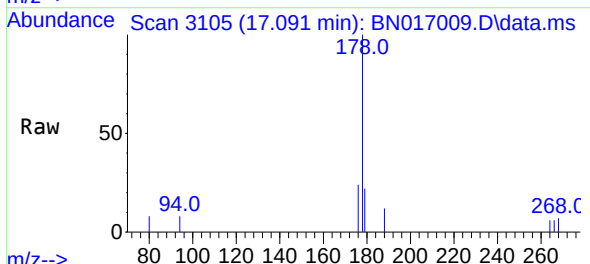
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

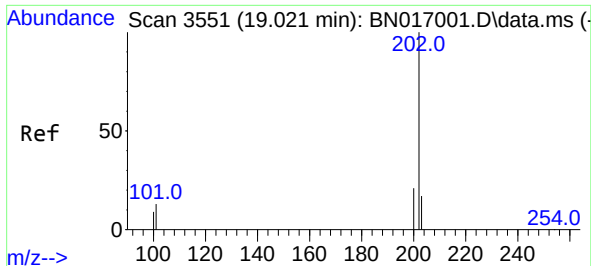
Tgt Ion:	178	Resp:	1833
Ion	Ratio	Lower	Upper
178	100		
179	20.2	12.6	19.0#
176	22.8	15.9	23.9



#16
Anthracene
Concen: 0.06 ng/ul
RT: 17.091 min Scan# 3105
Delta R.T. 0.004 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:	178	Resp:	1378
Ion	Ratio	Lower	Upper
178	100		
179	21.6	12.9	19.3#
176	24.1	15.0	22.6#

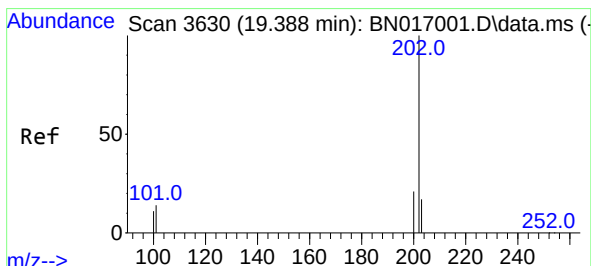
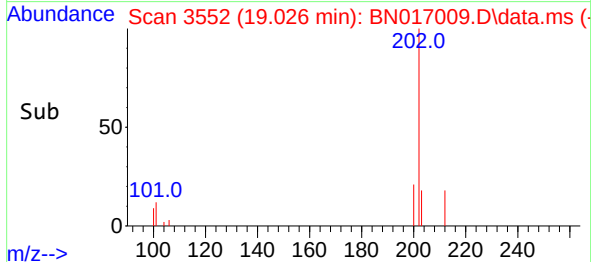
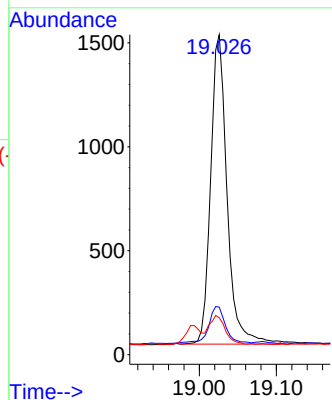
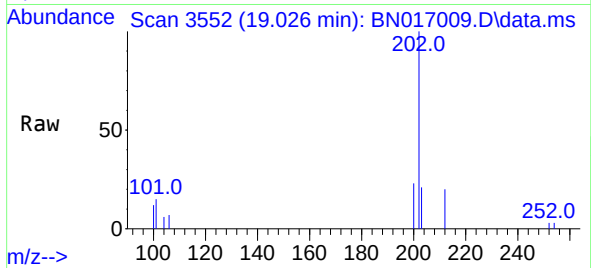




#19
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.026 min Scan# 3552
Delta R.T. 0.005 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

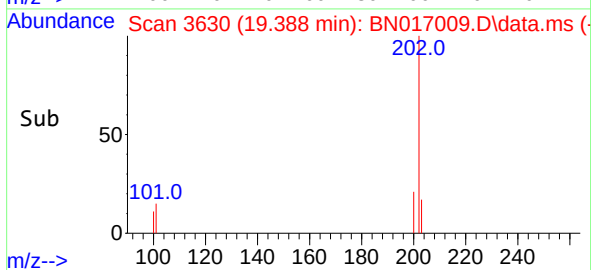
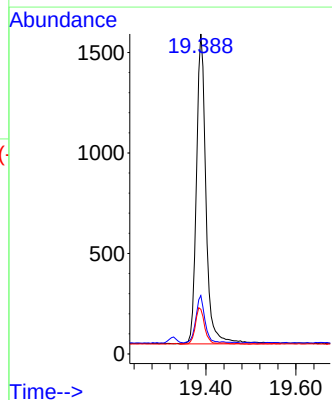
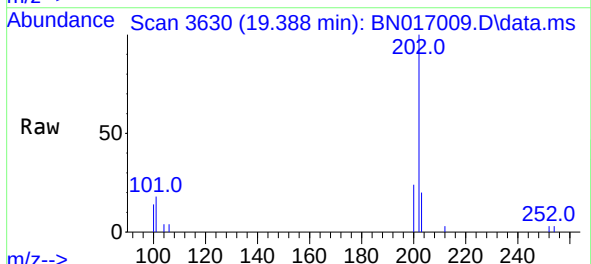
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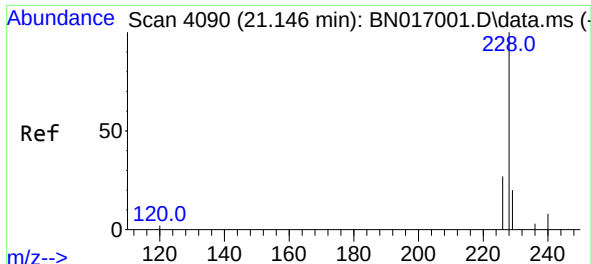
Tgt Ion:202	Resp:	2203
Ion Ratio	Lower	Upper
202	100	
101	14.9	10.6 16.0
100	11.6	7.9 11.9



#20
Pyrene
Concen: 0.07 ng/ul
RT: 19.388 min Scan# 3630
Delta R.T. 0.000 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:202	Resp:	2287
Ion Ratio	Lower	Upper
202	100	
101	18.2	11.6 17.4#
100	13.9	9.3 13.9#

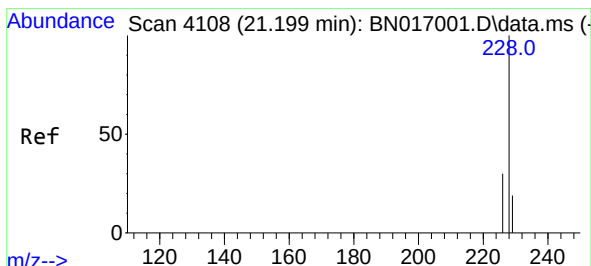
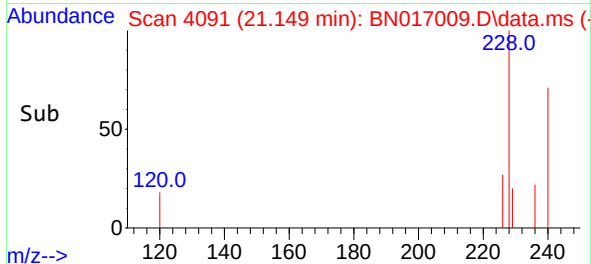
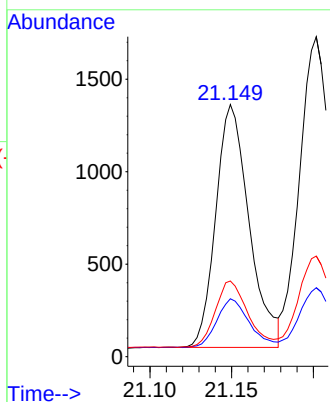
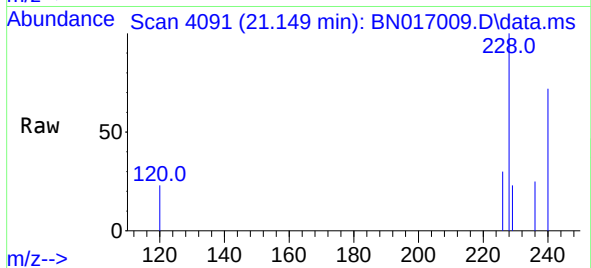




#21
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.149 min Scan# 4091
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

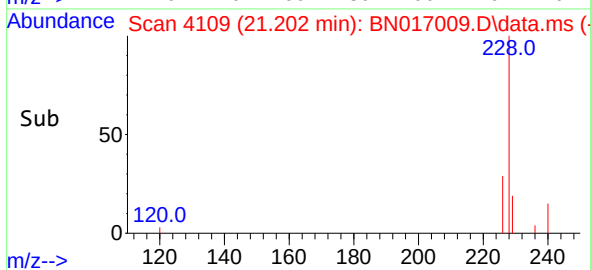
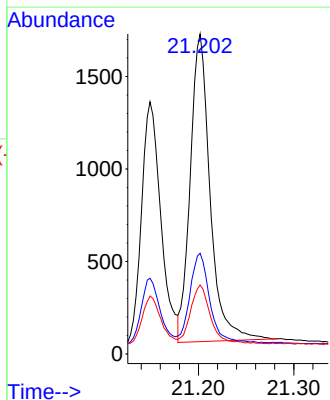
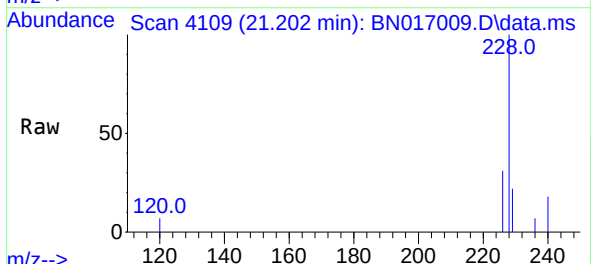
Instrument :
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ClientSampleId :
MDL-SOIL-QT4-2021-07

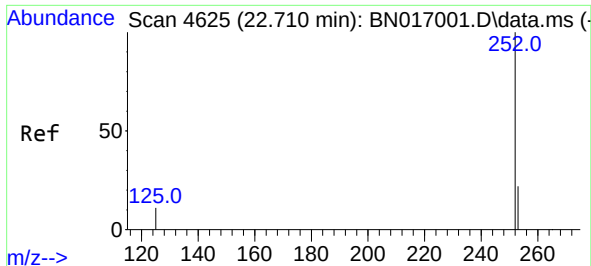
Tgt Ion:228	Resp:	1868
Ion Ratio	Lower	Upper
228	100	
229	23.0	15.9 23.9
226	30.0	22.0 33.0



#22
Chrysene
Concen: 0.07 ng/ul
RT: 21.202 min Scan# 4109
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:228	Resp:	2402
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.5 36.7
229	21.6	15.8 23.8

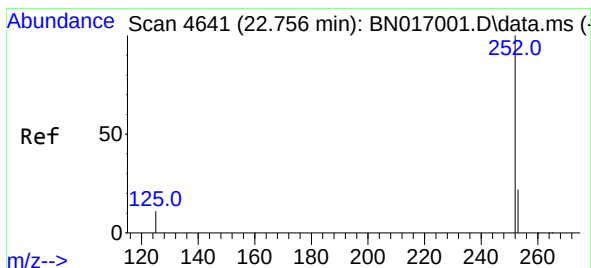
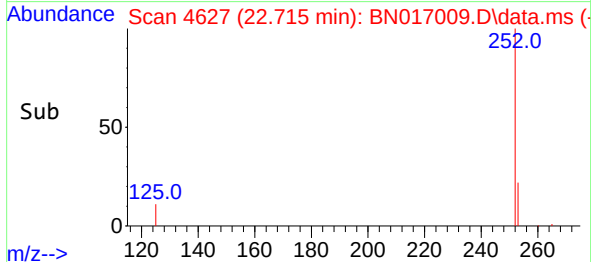
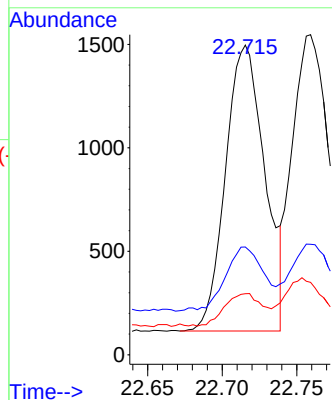
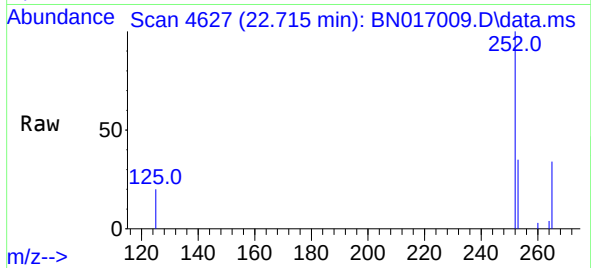




#24
Benzo(b)fluoranthene
Concen: 0.07 ng/ul
RT: 22.715 min Scan# 4627
Delta R.T. 0.006 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

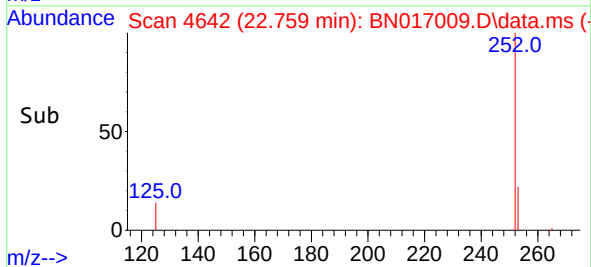
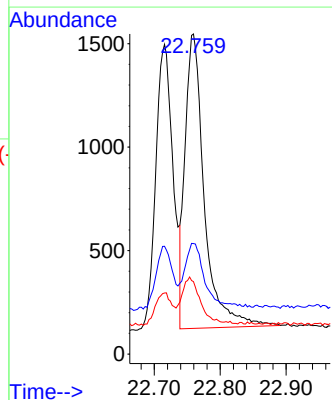
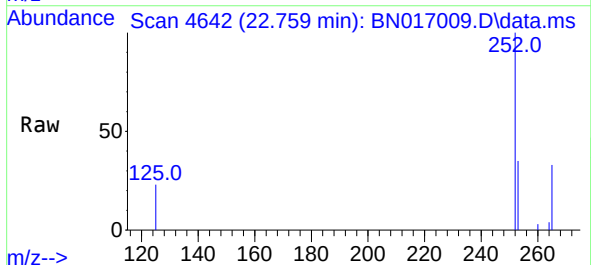
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

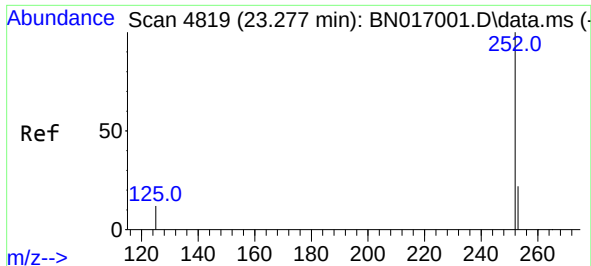
Tgt Ion:	252	Resp:	2536
Ion Ratio	Lower	Upper	
252	100		
253	34.8	0.0	47.4
125	19.7	0.0	24.6



#25
Benzo(k)fluoranthene
Concen: 0.07 ng/ul
RT: 22.759 min Scan# 4642
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:	252	Resp:	2874
Ion Ratio	Lower	Upper	
252	100		
253	34.5	19.2	28.8#
125	22.6	9.7	14.5#

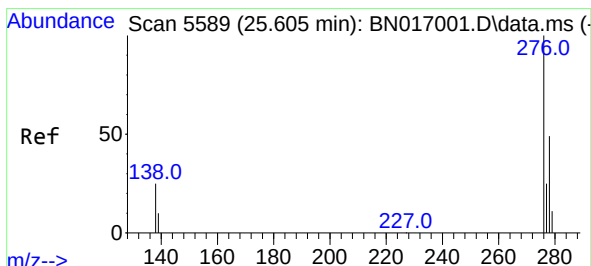
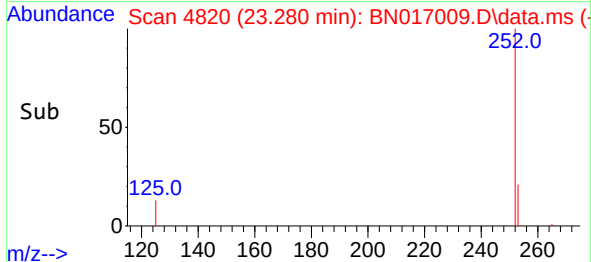
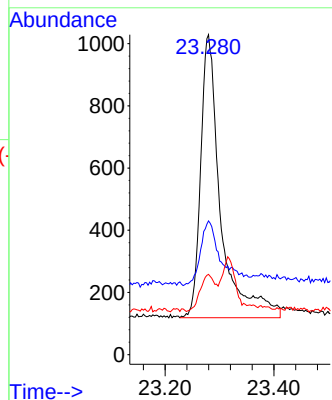
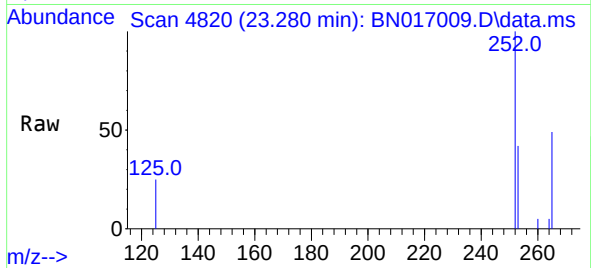




#26
Benzo(a)pyrene
Concen: 0.07 ng/ul
RT: 23.280 min Scan# 4820
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

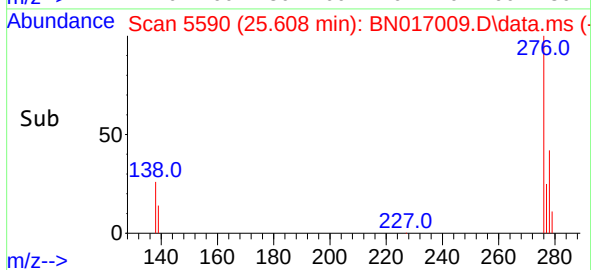
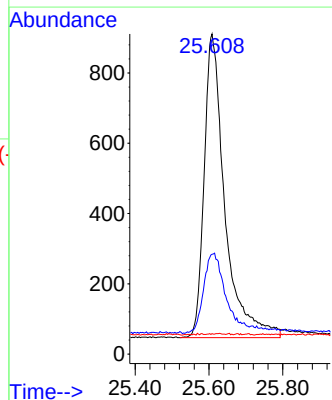
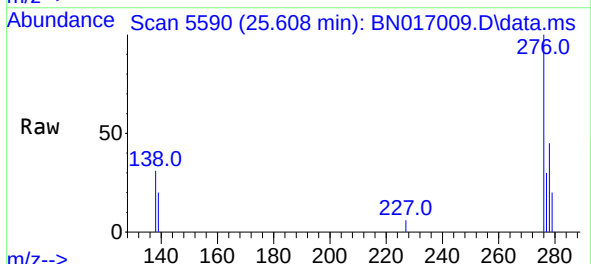
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

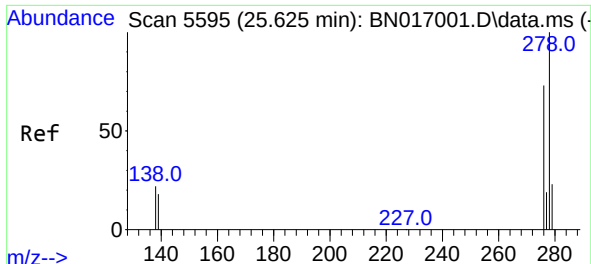
Tgt Ion:	252	Resp:	2327
Ion Ratio	Lower	Upper	
252	100		
253	41.8	19.8	29.6#
125	25.1	10.9	16.3#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng/ul
RT: 25.608 min Scan# 5590
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:	276	Resp:	3360
Ion Ratio	Lower	Upper	
276	100		
138	30.1	21.8	32.8
227	0.1	0.2	0.2#

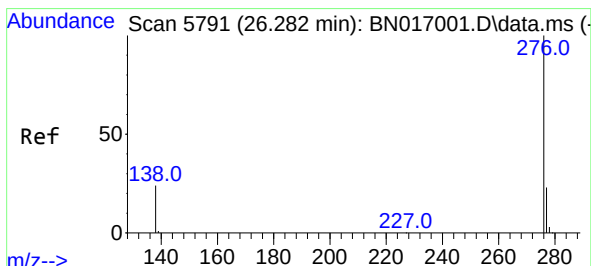
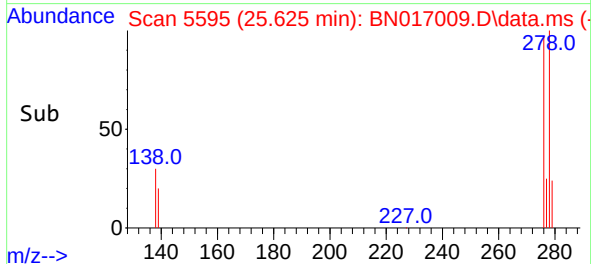
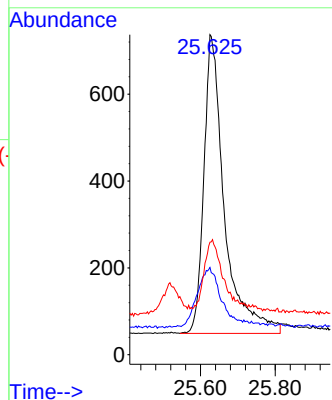
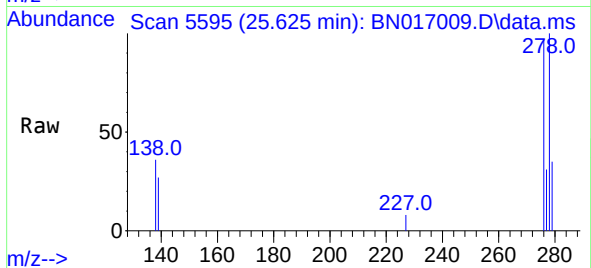




#28
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.625 min Scan# 5595
Delta R.T. 0.000 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2021-07

Tgt Ion:278 Resp: 2622
Ion Ratio Lower Upper
278 100
139 27.3 15.2 22.8#
279 35.1 19.9 29.9#



#29
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.286 min Scan# 5792
Delta R.T. 0.003 min
Lab File: BN017009.D
Acq: 19 Oct 2021 17:46

Tgt Ion:276 Resp: 2951
Ion Ratio Lower Upper
276 100
138 29.9 19.8 29.6#
277 28.9 19.4 29.0

