

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM093021\
 Data File : BM032294.D
 Acq On : 30 Sep 2021 13:09
 Operator : CG/JU
 Sample : M3263-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Quant Time: Sep 30 13:39:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 30 10:17:25 2021
 Response via : Initial Calibration

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

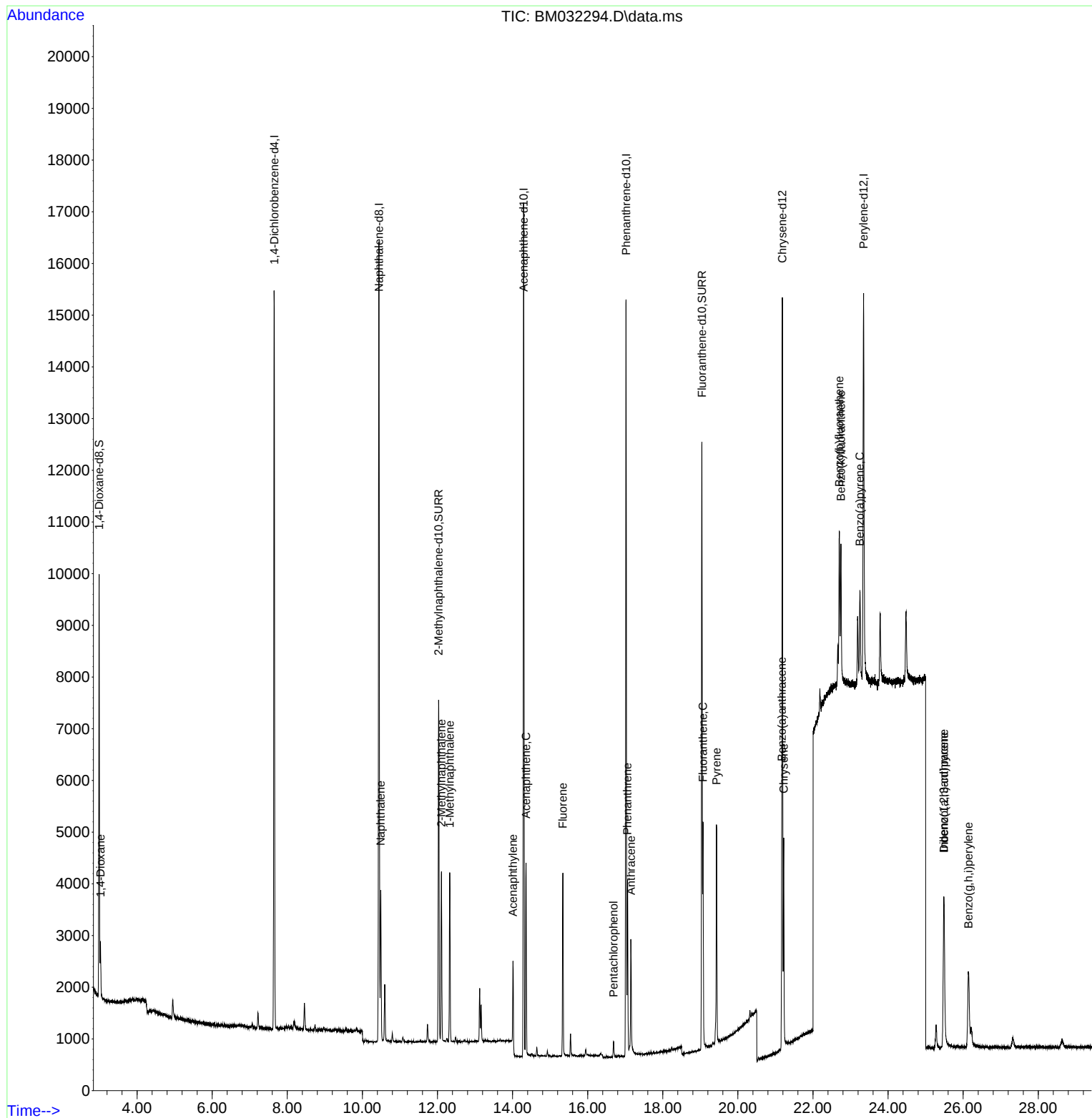
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.653	152	6654	0.400	ng/ul	0.00
4) Naphthalene-d8	10.443	136	19484	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.293	164	8380	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.023	188	15812	0.400	ng/ul	0.00
17) Chrysene-d12	21.186	240	11445	0.400	ng/ul	0.00
23) Perylene-d12	23.346	264	9537	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.989	96	4818	0.674	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.030	152	8149	0.314	ng/ul	0.00
18) Fluoranthene-d10	19.042	212	11993	0.386	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.024	88	555	0.075	ng/ul#	75
5) Naphthalene	10.488	128	3739	0.065	ng/ul	95
7) 2-Methylnaphthalene	12.107	142	2207	0.060	ng/ul	100
8) 1-Methylnaphthalene	12.327	142	2144	0.059	ng/ul	98
10) Acenaphthylene	14.012	152	1962	0.058	ng/ul#	92
11) Acenaphthene	14.357	153	1997	0.065	ng/ul	98
12) Fluorene	15.339	166	2107	0.060	ng/ul	98
14) Pentachlorophenol	16.689	266	237	0.059	ng/ul	97
15) Phenanthrene	17.061	178	3278	0.064	ng/ul#	94
16) Anthracene	17.151	178	2513	0.059	ng/ul#	91
19) Fluoranthene	19.073	202	3415	0.071	ng/ul#	95
20) Pyrene	19.435	202	3408	0.071	ng/ul	98
21) Benzo(a)anthracene	21.169	228	2669	0.066	ng/ul	94
22) Chrysene	21.220	228	3297	0.070	ng/ul	96
24) Benzo(b)fluoranthene	22.702	252	3627	0.073	ng/ul#	41
25) Benzo(k)fluoranthene	22.743	252	3239	0.068	ng/ul#	33
26) Benzo(a)pyrene	23.249	252	2391	0.064	ng/ul#	23
27) Indeno(1,2,3-cd)pyrene	25.486	276	3135	0.066	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.488	278	2501	0.065	ng/ul#	59
29) Benzo(g,h,i)perylene	26.145	276	3063	0.068	ng/ul#	83

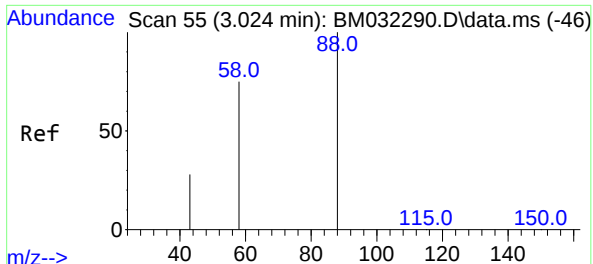
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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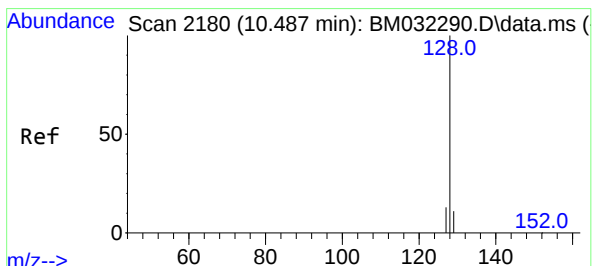
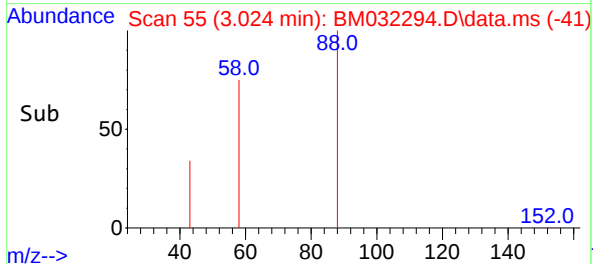
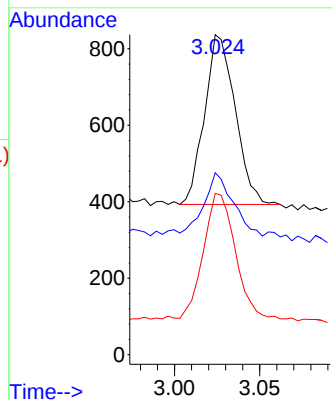
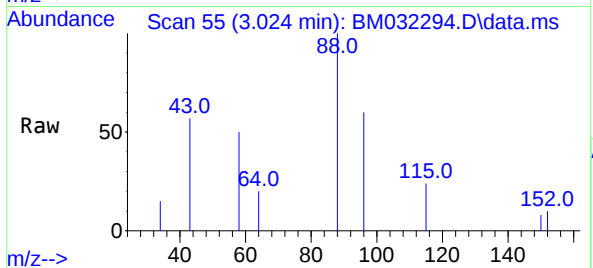




#2
1,4-Dioxane
Concen: 0.075 ng/ul
RT: 3.024 min Scan# 55
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

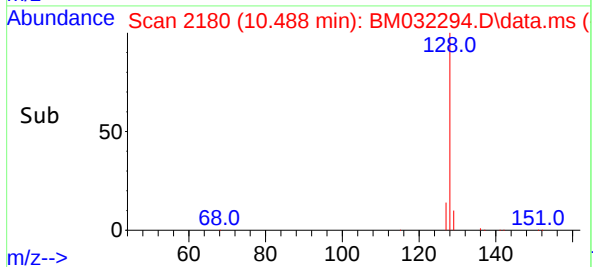
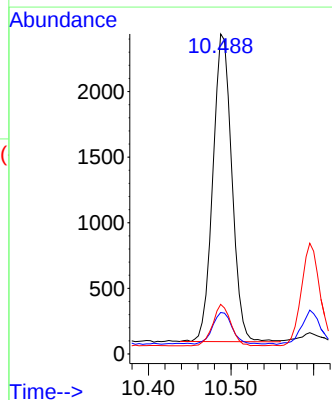
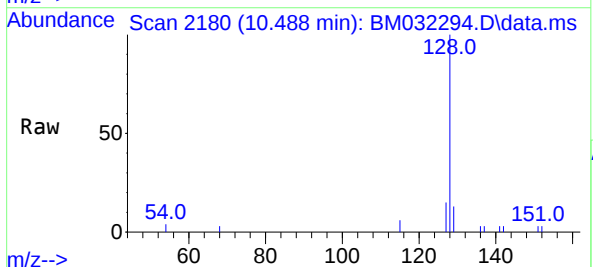
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BNA_M
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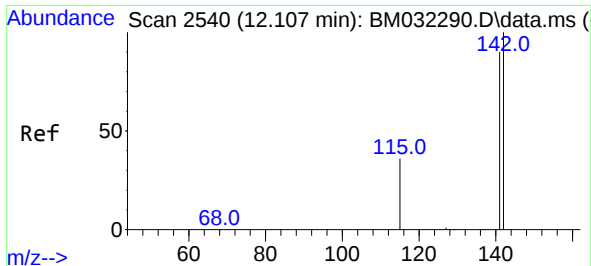
Tgt Ion: 88 Resp: 555
Ion Ratio Lower Upper
88 100
43 56.9 26.1 39.1#
58 50.4 50.2 75.2



#5
Naphthalene
Concen: 0.065 ng/ul
RT: 10.488 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion: 128 Resp: 3739
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.4
127 15.5 10.5 15.7

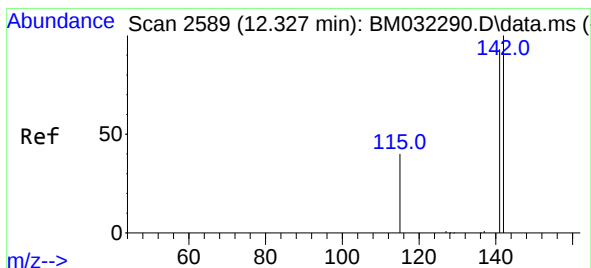
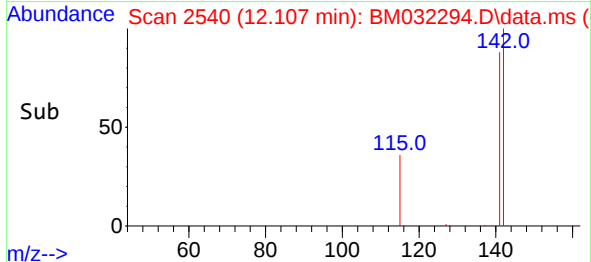
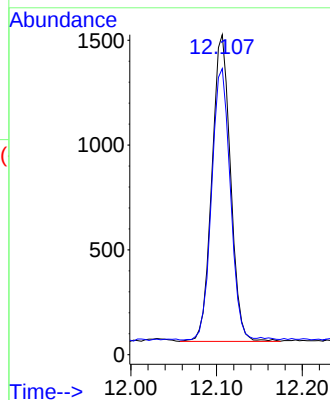
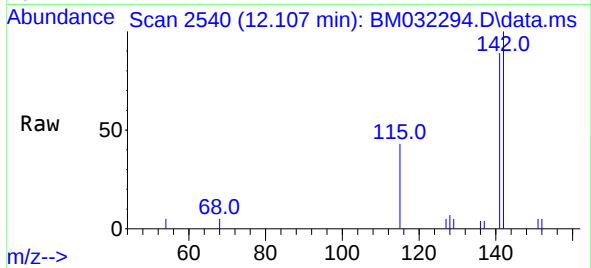




#7
2-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.107 min Scan# 2540
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

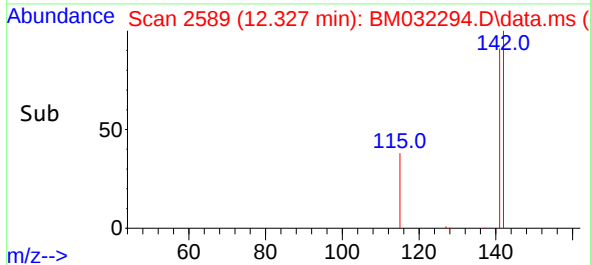
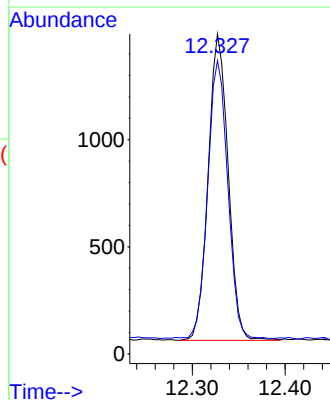
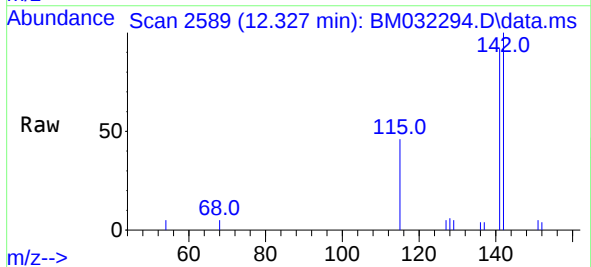
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

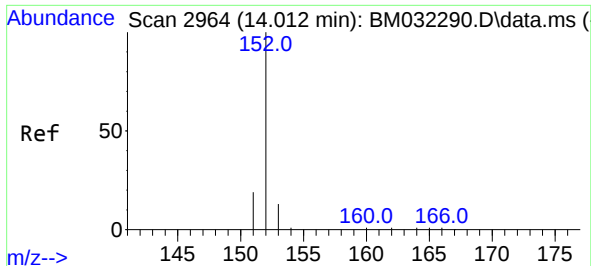
Tgt Ion:142 Resp: 2207
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.059 ng/ul
RT: 12.327 min Scan# 2589
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:142 Resp: 2144
Ion Ratio Lower Upper
142 100
141 90.7 73.8 110.6

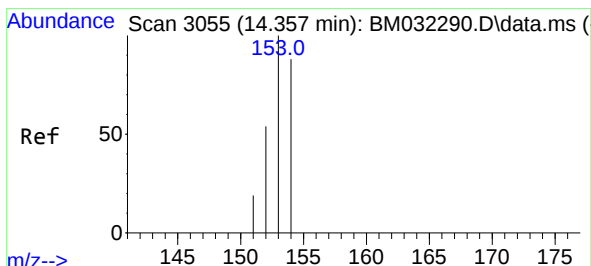
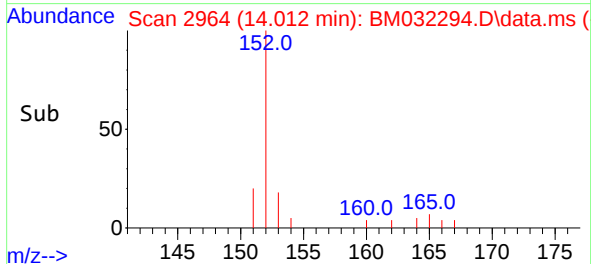
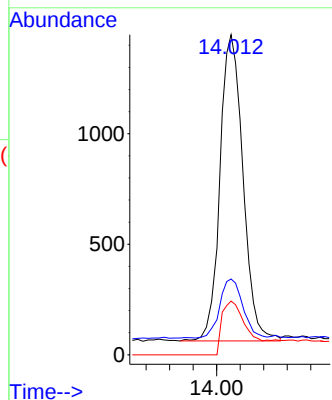
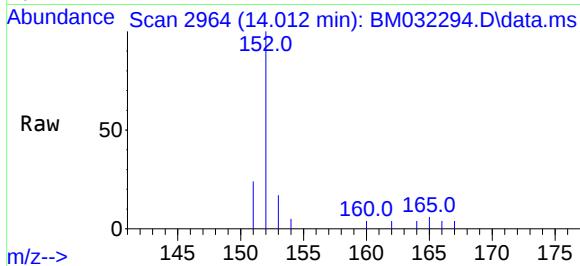




#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.012 min Scan# 2964
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

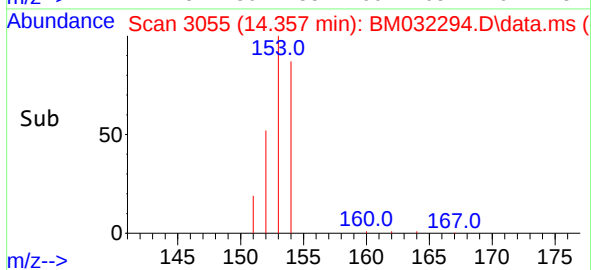
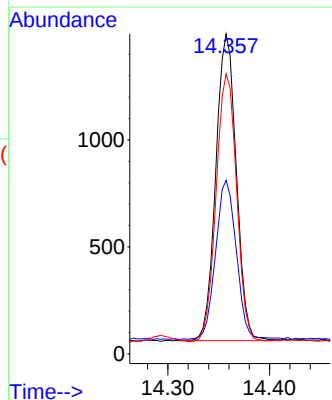
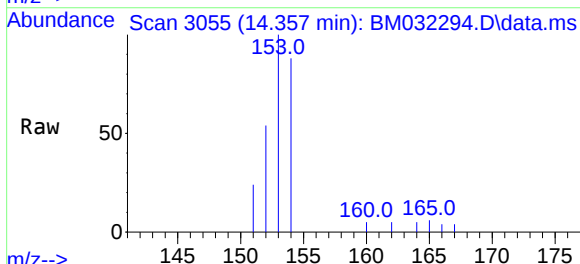
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

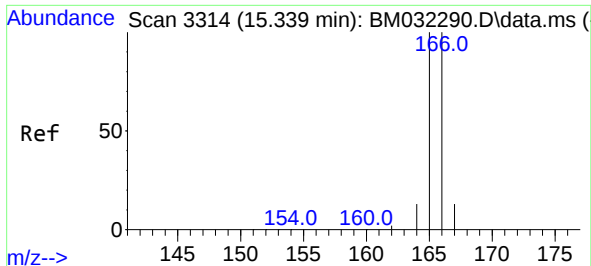
Tgt Ion:	152	Resp:	1962
Ion Ratio	Lower	Upper	
152	100		
151	23.7	16.0	24.0
153	16.8	10.7	16.1#



#11
Acenaphthene
Concen: 0.065 ng/ul
RT: 14.357 min Scan# 3055
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:	153	Resp:	1997
Ion Ratio	Lower	Upper	
153	100		
152	54.2	41.6	62.4
154	87.6	71.2	106.8



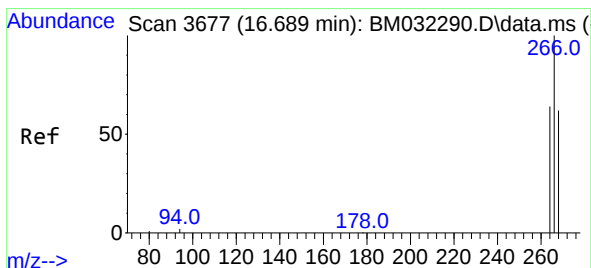
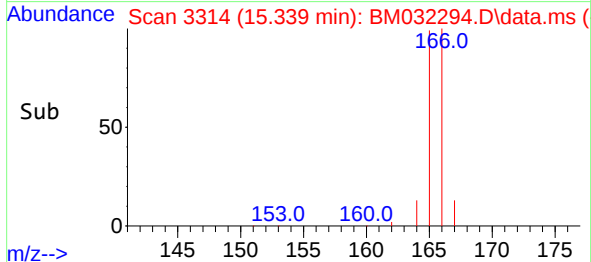
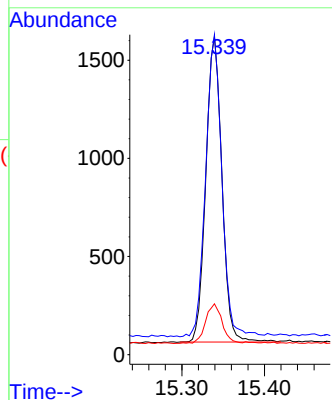
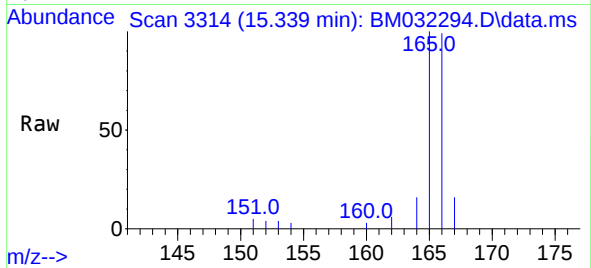


#12
Fluorene
Concen: 0.060 ng/ul
RT: 15.339 min Scan# 3314
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

Tgt Ion:166 Resp: 2107

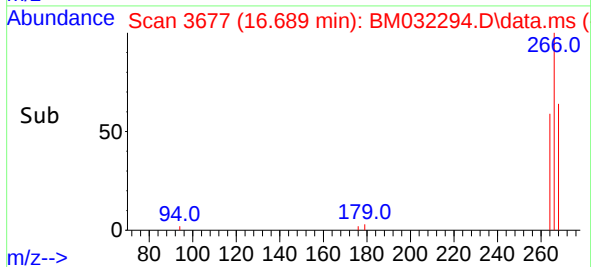
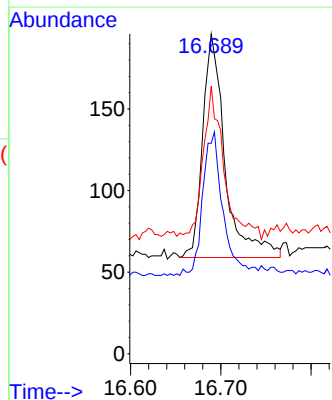
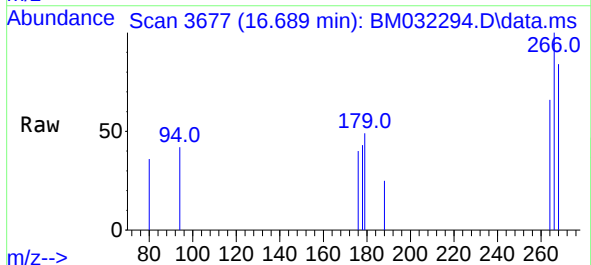
Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.4	119.2
167	16.0	10.8	16.2

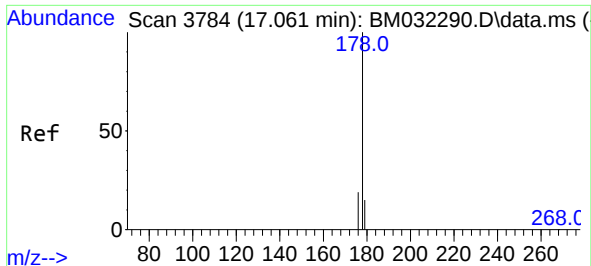


#14
Pentachlorophenol
Concen: 0.059 ng/ul
RT: 16.689 min Scan# 3677
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:266 Resp: 237

Ion	Ratio	Lower	Upper
266	100		
264	57.8	49.8	74.8
268	63.3	50.4	75.6



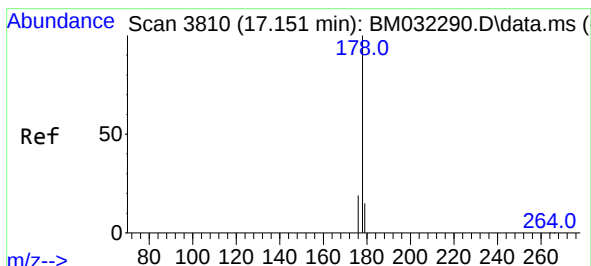
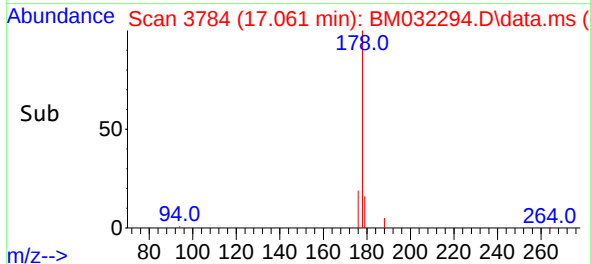
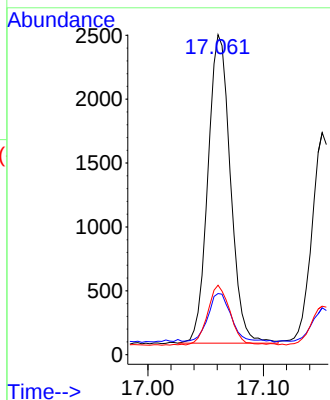
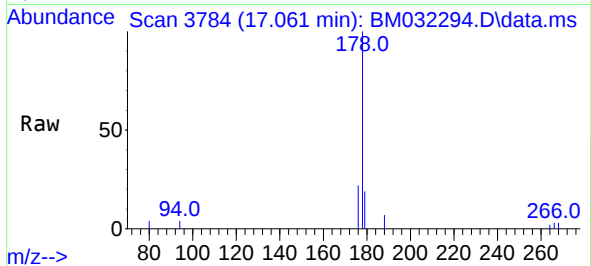


#15
Phenanthrene
Concen: 0.064 ng/ul
RT: 17.061 min Scan# 3784
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

Tgt Ion:178 Resp: 3278

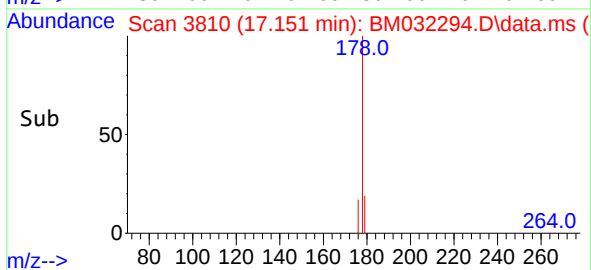
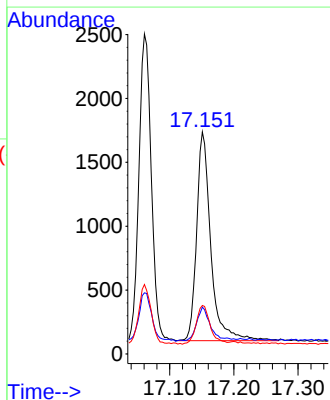
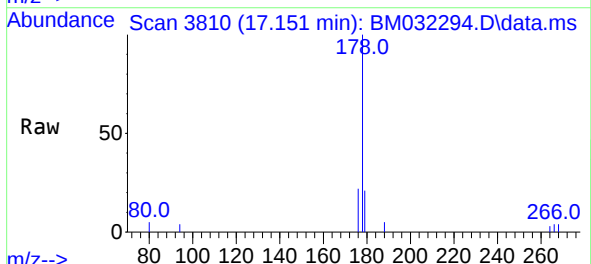
Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.6	18.8#
176	21.7	15.8	23.6

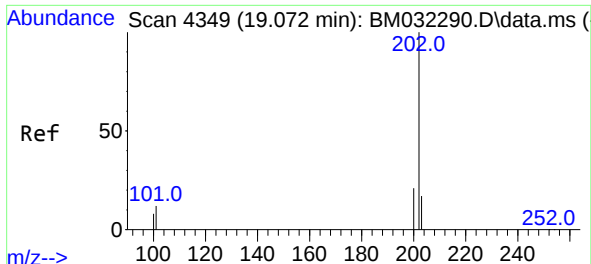


#16
Anthracene
Concen: 0.059 ng/ul
RT: 17.151 min Scan# 3810
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:178 Resp: 2513

Ion	Ratio	Lower	Upper
178	100		
179	21.1	12.7	19.1#
176	21.9	15.3	22.9

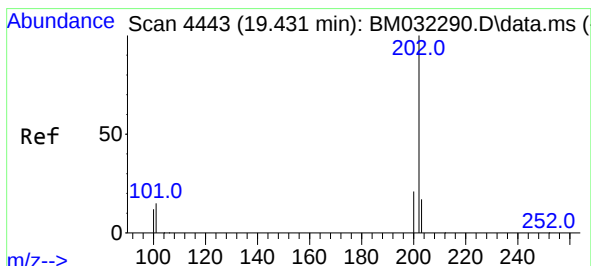
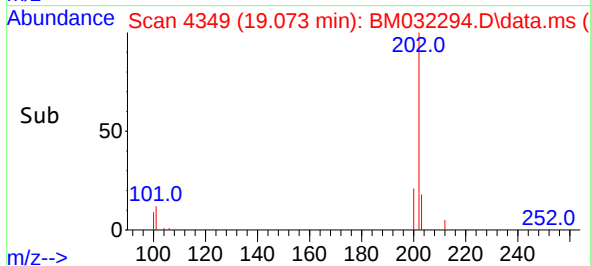
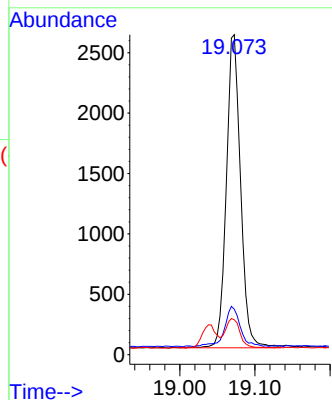
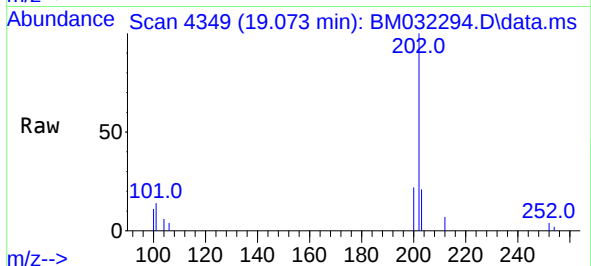




#19
Fluoranthene
Concen: 0.071 ng/ul
RT: 19.073 min Scan# 4349
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

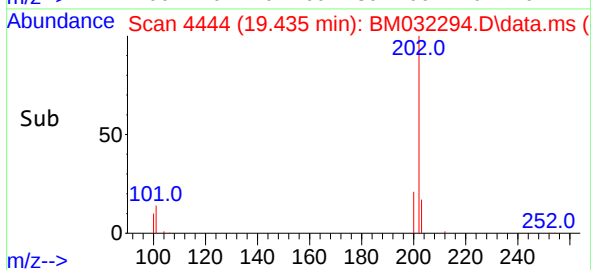
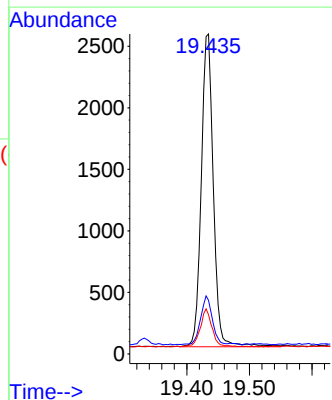
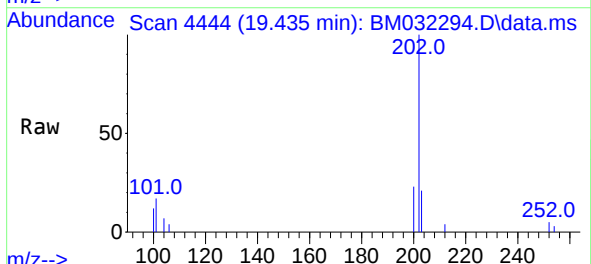
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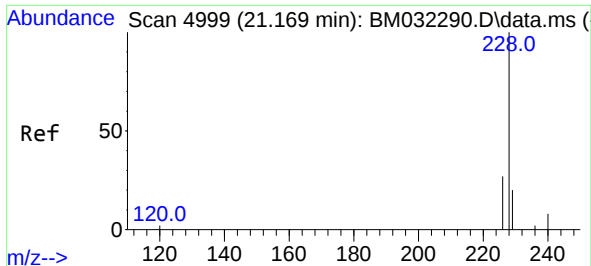
Tgt Ion:202	Resp:	3415
Ion Ratio	Lower	Upper
202	100	
101	14.2	9.8 14.8
100	10.9	7.2 10.8#



#20
Pyrene
Concen: 0.071 ng/ul
RT: 19.435 min Scan# 4444
Delta R.T. 0.004 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:202	Resp:	3408
Ion Ratio	Lower	Upper
202	100	
101	16.8	12.1 18.1
100	12.2	9.8 14.6

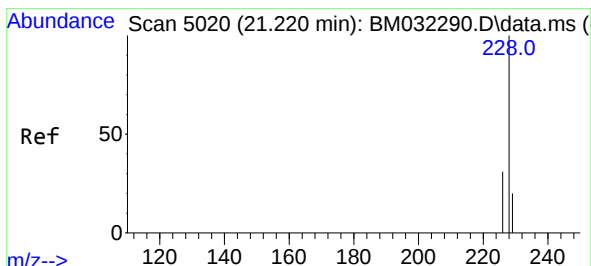
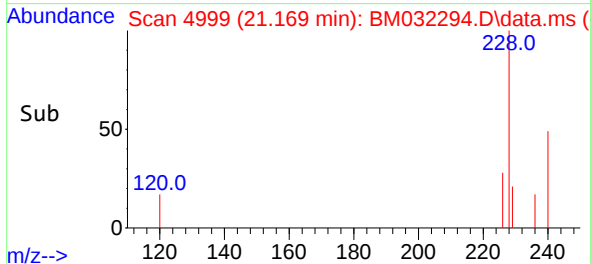
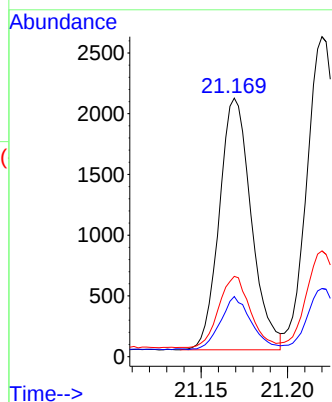
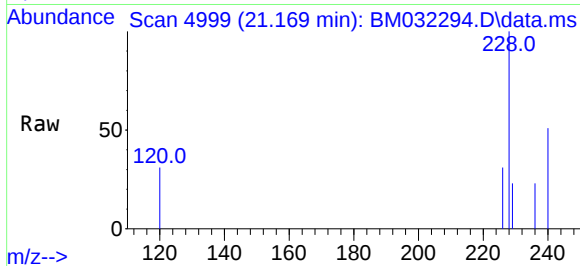




#21
Benzo(a)anthracene
Concen: 0.066 ng/u1
RT: 21.169 min Scan# 4999
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

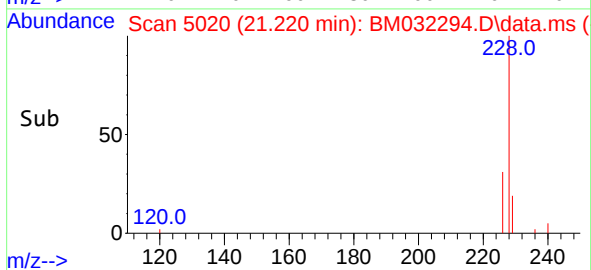
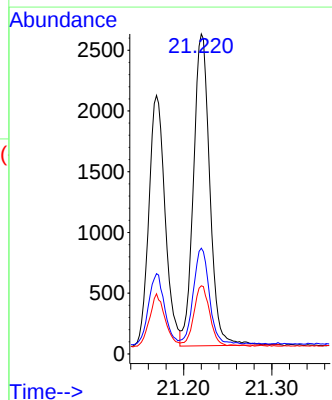
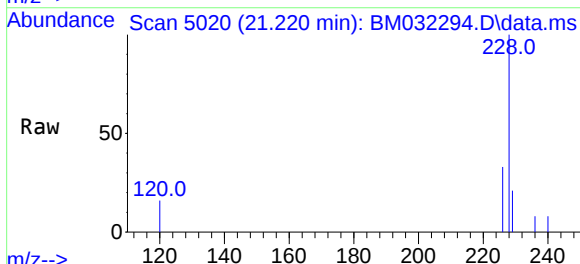
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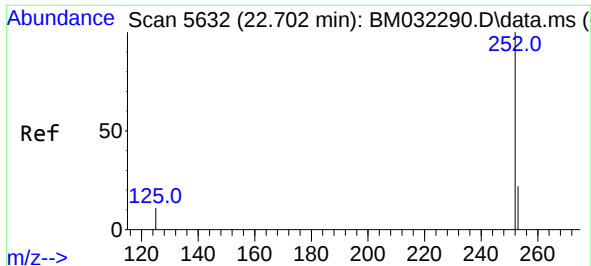
Tgt Ion:	228	Resp:	2669
Ion	Ratio	Lower	Upper
228	100		
229	23.3	16.0	24.0
226	31.1	22.3	33.5



#22
Chrysene
Concen: 0.070 ng/u1
RT: 21.220 min Scan# 5020
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:	228	Resp:	3297
Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.6	37.0
229	21.3	15.6	23.4

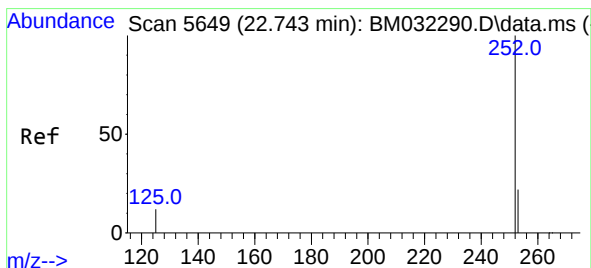
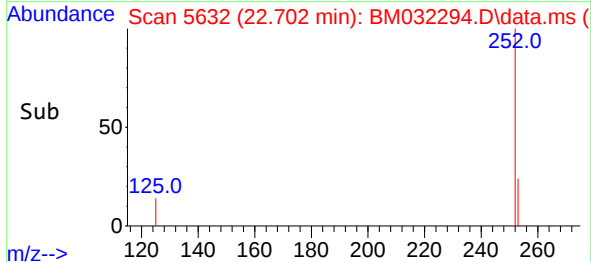
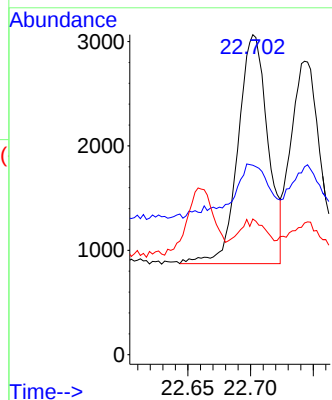
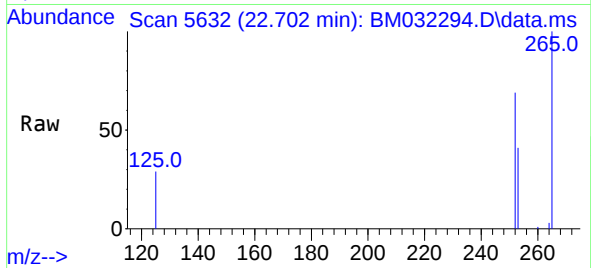




#24
Benzo(b)fluoranthene
Concen: 0.073 ng/ul
RT: 22.702 min Scan# 5632
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

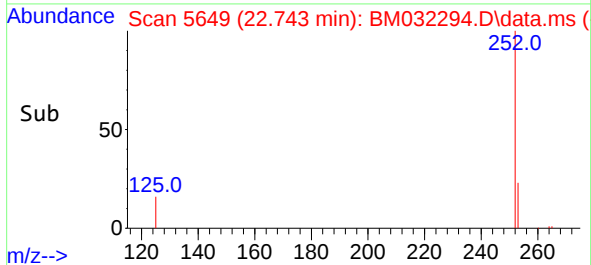
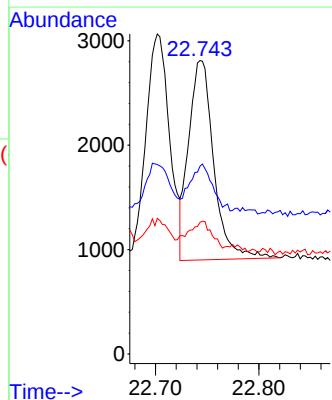
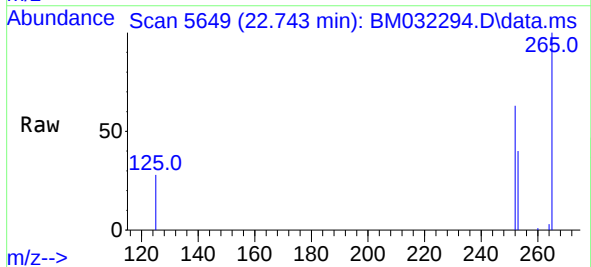
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

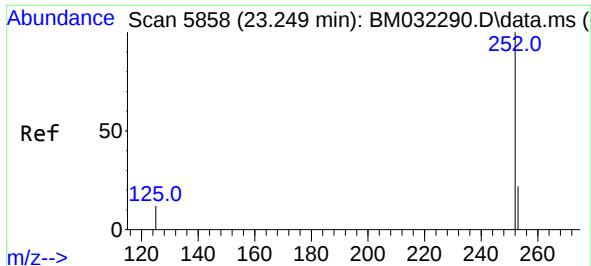
Tgt Ion:252 Resp: 3627
Ion Ratio Lower Upper
252 100
253 59.2 0.0 58.0#
125 42.4 0.0 31.4#



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.743 min Scan# 5649
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:252 Resp: 3239
Ion Ratio Lower Upper
252 100
253 64.0 22.9 34.3#
125 44.9 12.9 19.3#

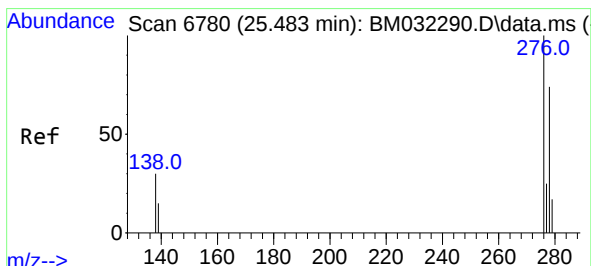
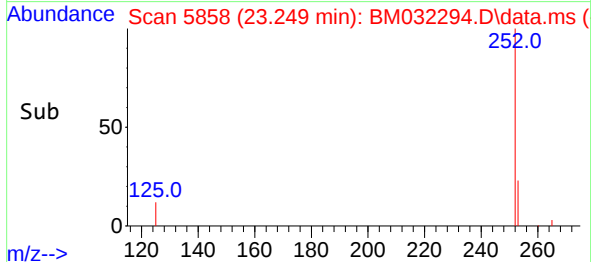
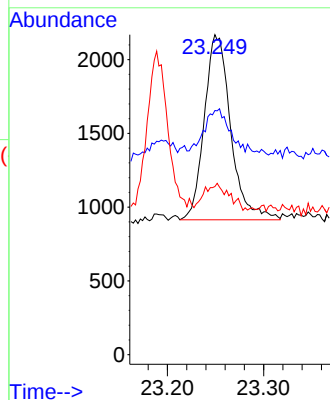
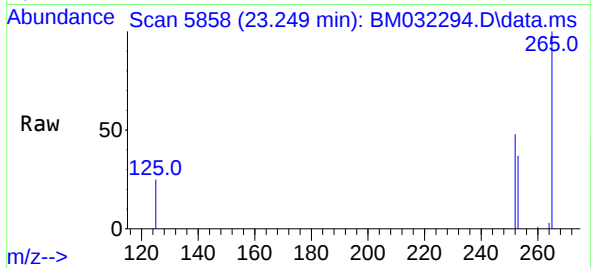




#26
Benzo(a)pyrene
Concen: 0.064 ng/ul
RT: 23.249 min Scan# 5858
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

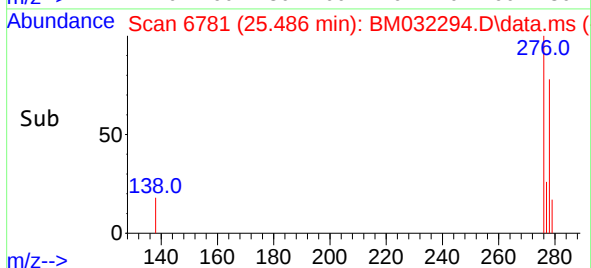
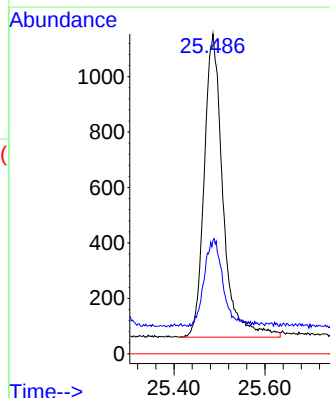
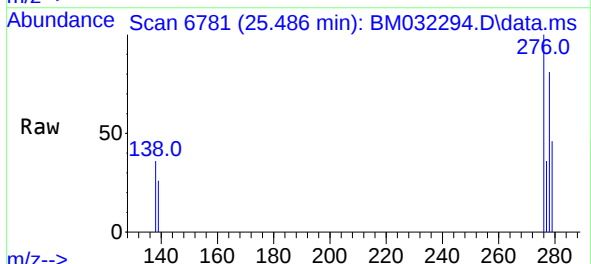
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

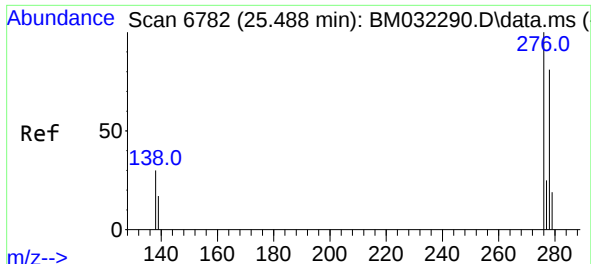
Tgt Ion:252	Resp:	2391
Ion Ratio	Lower	Upper
252	100	
253	76.3	25.8 38.8#
125	52.6	15.4 23.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng/ul
RT: 25.486 min Scan# 6781
Delta R.T. 0.003 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:276	Resp:	3135
Ion Ratio	Lower	Upper
276	100	
138	28.5	24.3 36.5
227	0.0	0.0 0.0

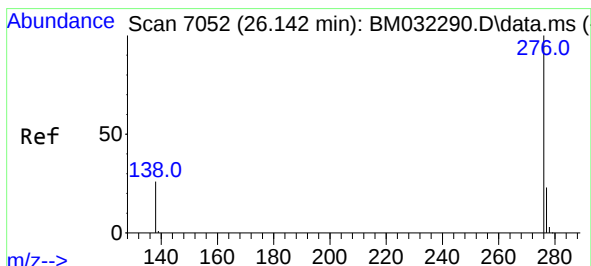
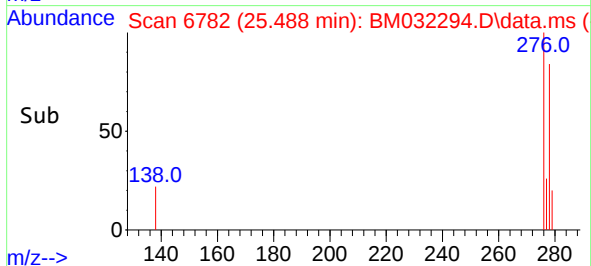
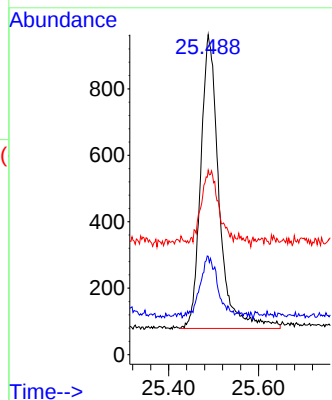
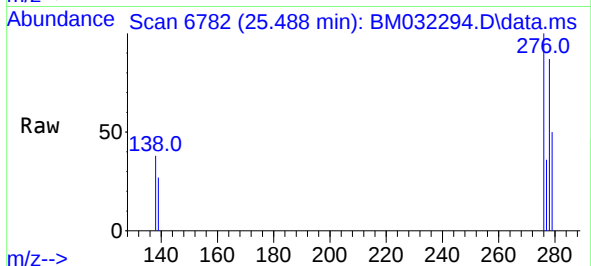




#28
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul
RT: 25.488 min Scan# 6782
Delta R.T. 0.000 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT4-2021-08

Tgt Ion:278 Resp: 2501
Ion Ratio Lower Upper
278 100
139 30.7 16.6 24.8#
279 57.6 23.0 34.6#



#29
Benzo(g,h,i)perylene
Concen: 0.068 ng/ul
RT: 26.145 min Scan# 7053
Delta R.T. 0.003 min
Lab File: BM032294.D
Acq: 30 Sep 2021 13:09

Tgt Ion:276 Resp: 3063
Ion Ratio Lower Upper
276 100
138 32.9 21.0 31.4#
277 35.1 19.8 29.8#

