Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042365.D
Acq On : 19 Oct 2023 11:58
Operator : MA/JU
Sample : 02215-04
Misc : SFAM-SIM-MDL--SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Quant Time: Oct 19 13:58:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 18 14:30:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	3594	0.400	ng/ul	0.00
4) Naphthalene-d8	10.834	136	9424	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.652	164	3875	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.405	188	7273	0.400	ng/ul	0.00
17) Chrysene-d12	21.580	240	3028	0.400	ng/ul	0.00
23) Perylene-d12	24.047	264	3107	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.372	96	2188	0.412	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.418	152	4363	0.376	ng/ul	0.00
18) Fluoranthene-d10	19.422	212	5422	0.396	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	607	0.108	ng/ul	86
5) Naphthalene	10.884	128	2098	0.070	ng/ul#	90
7) 2-Methylnaphthalene	12.495	142	1193	0.068	ng/ul	96
8) 1-Methylnaphthalene	12.709	142	1225	0.068	ng/ul	98
10) Acenaphthylene	14.384	152	1661	0.071	ng/ul#	90
11) Acenaphthene	14.717	153	1333	0.070	ng/ul	97
12) Fluorene	15.707	166	1436	0.069	ng/ul#	93
14) Pentachlorophenol	17.046	266	200	0.072	ng/ul	94
15) Phenanthrene	17.447	178	2221	0.070	ng/ul#	91
16) Anthracene	17.544	178	1739	0.065	ng/ul#	88
19) Fluoranthene	19.455	202	2302	0.069	ng/ul#	94
20) Pyrene	19.822	202	2325	0.068	ng/ul	93
21) Benzo(a)anthracene	21.562	228	1587	0.070	ng/ul	93
22) Chrysene	21.618	228	1732	0.075	ng/ul	95
24) Benzo(b)fluoranthene	23.284	252	1757	0.069	ng/ul	58
25) Benzo(k)fluoranthene	23.336	252	1728	0.072	ng/ul#	51
26) Benzo(a)pyrene	23.942	252	1451	0.073	ng/ul#	40
27) Indeno(1,2,3-cd)pyrene	26.653	276	1878	0.073	ng/ul	100
28) Dibenzo(a,h)anthracene	26.673	278	1321	0.071	ng/ul#	71
29) Benzo(g,h,i)perylene	27.448	276	1691	0.076	ng/ul#	83

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101923\
Data File : BM042365.D
Acq On : 19 Oct 2023 11:58
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Sample : 02215-04
Misc : SFAM-SIM-MDL--SOIL-02
ALS Vial : 6 Sample Multiplier: 1

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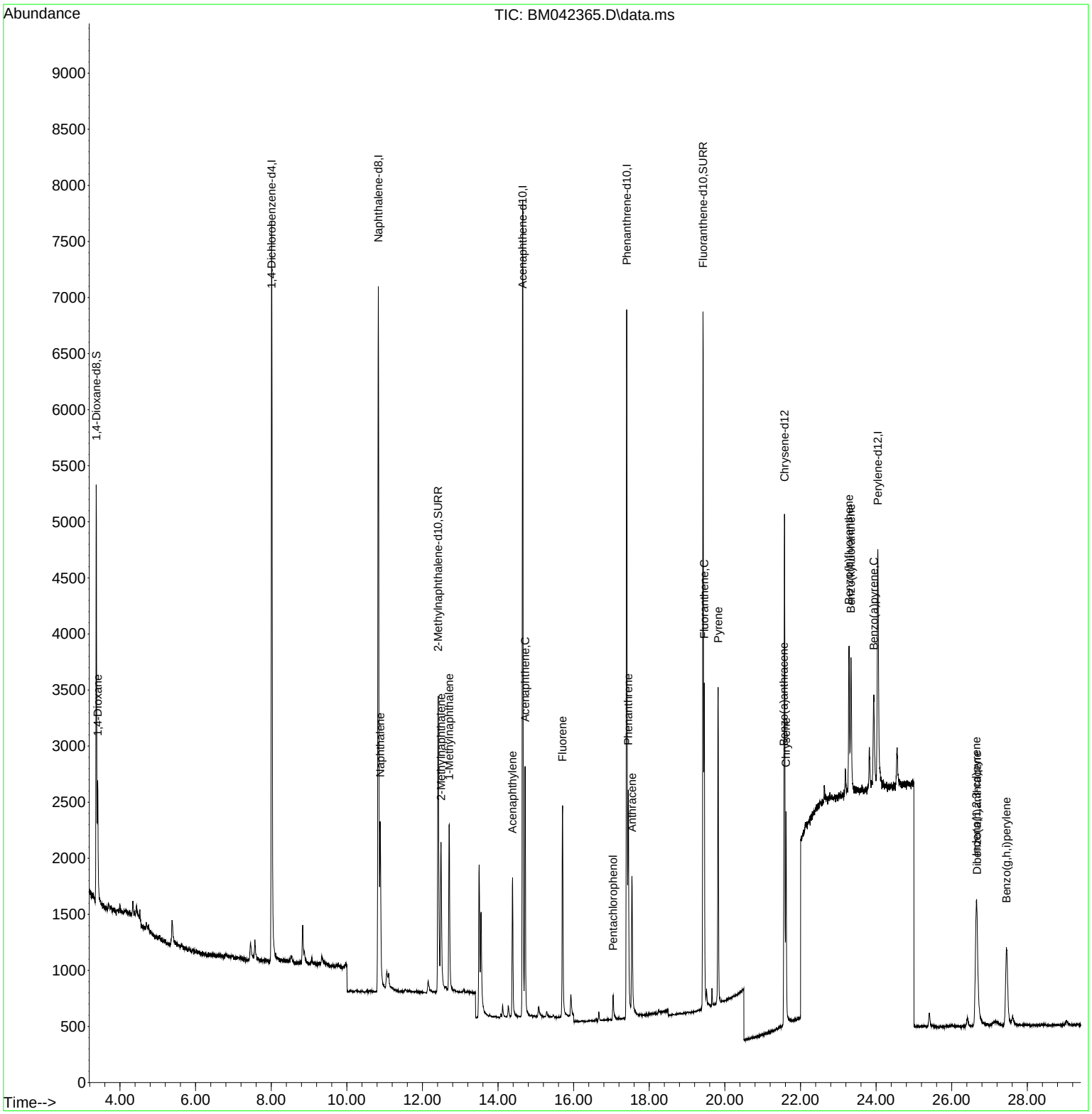
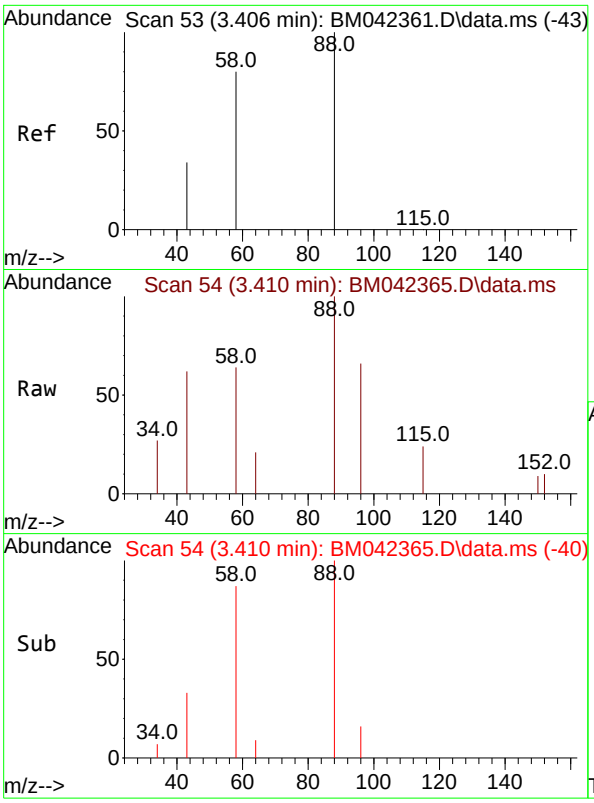
MDL-SOIL-QT2-2023-04

Quant Time: Oct 19 13:58:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 18 14:30:27 2023
Response via : Initial Calibration



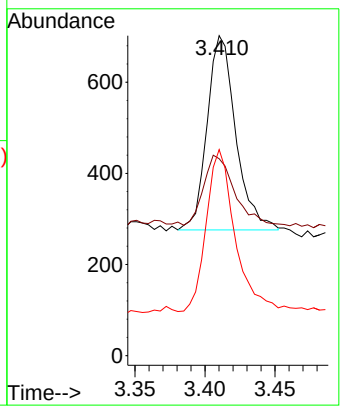


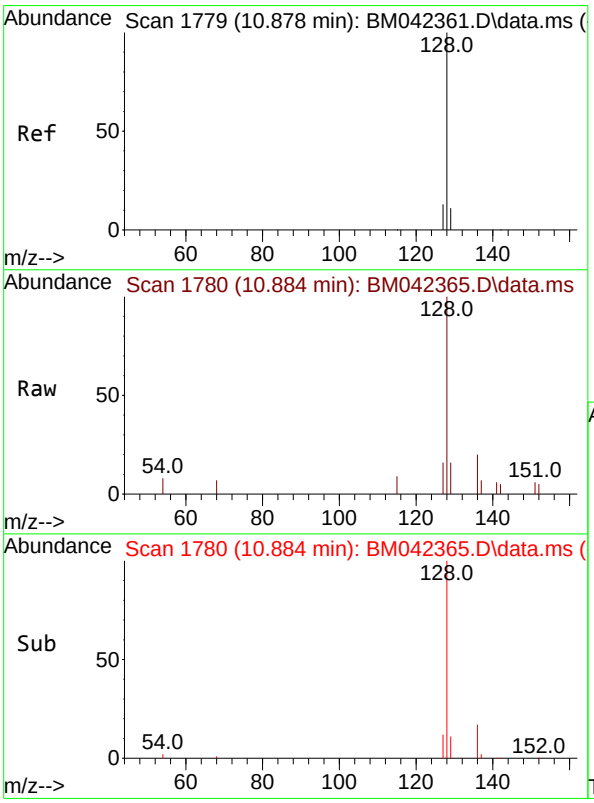
#2
1,4-Dioxane
Concen: 0.108 ng/ul
RT: 3.410 min Scan# 54
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion: 88 Resp: 607

Ion	Ratio	Lower	Upper
88	100		
43	61.5	41.0	61.6
58	64.4	60.9	91.3

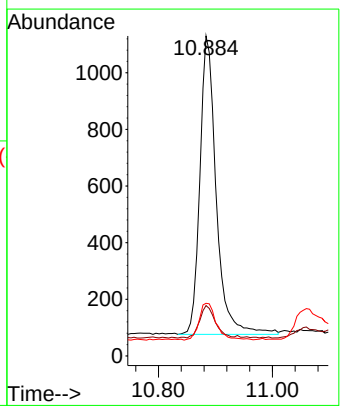


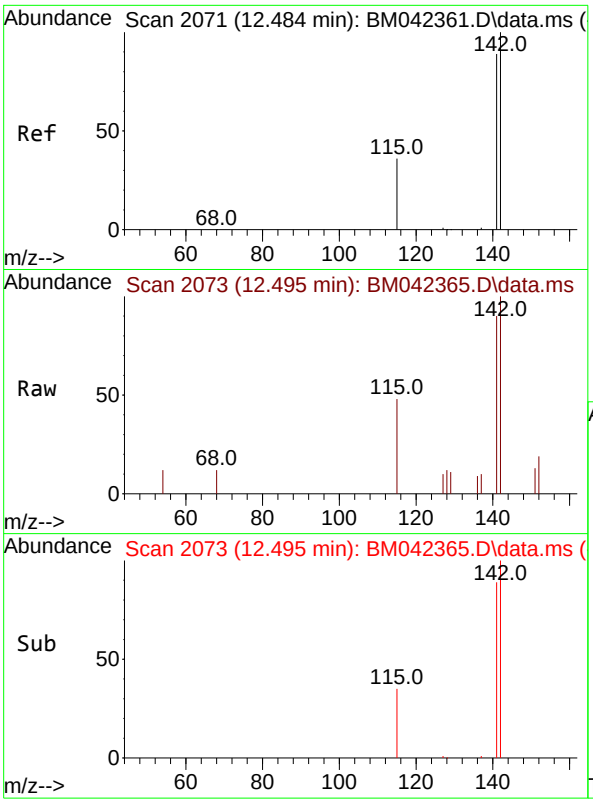


#5
Naphthalene
Concen: 0.070 ng/ul
RT: 10.884 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:128 Resp: 2098

Ion	Ratio	Lower	Upper
128	100		
129	15.8	9.0	13.6#
127	16.5	10.6	16.0#



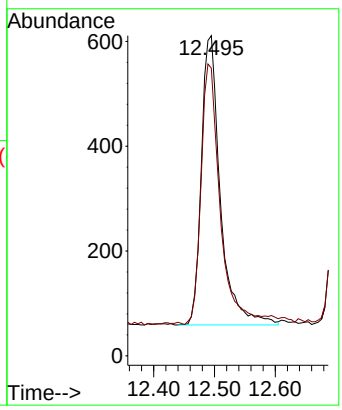


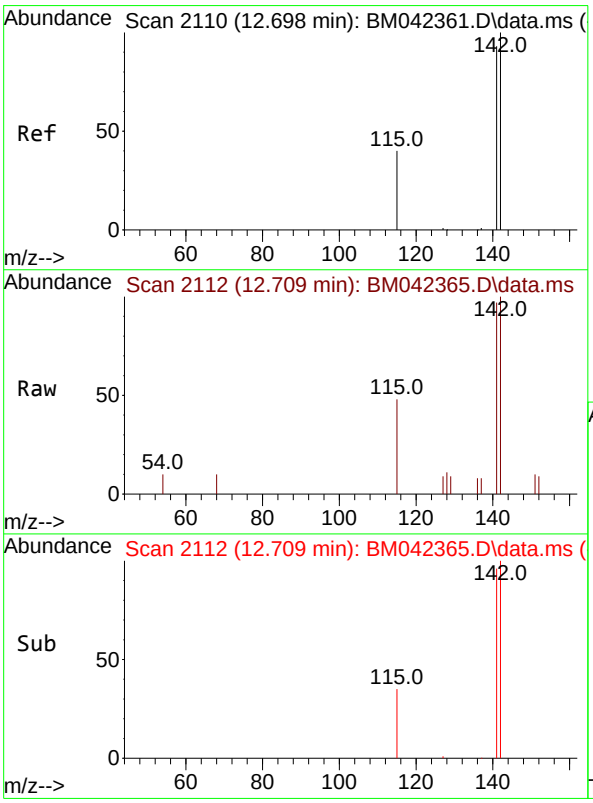
#7
2-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.495 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:142 Resp: 1193

Ion	Ratio	Lower	Upper
142	100		
141	93.3	71.9	107.9

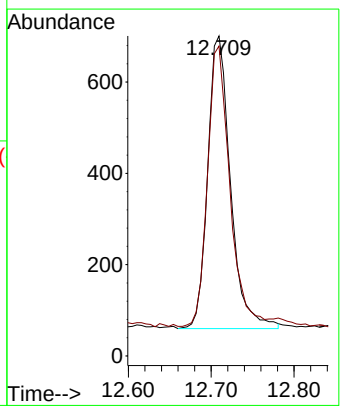


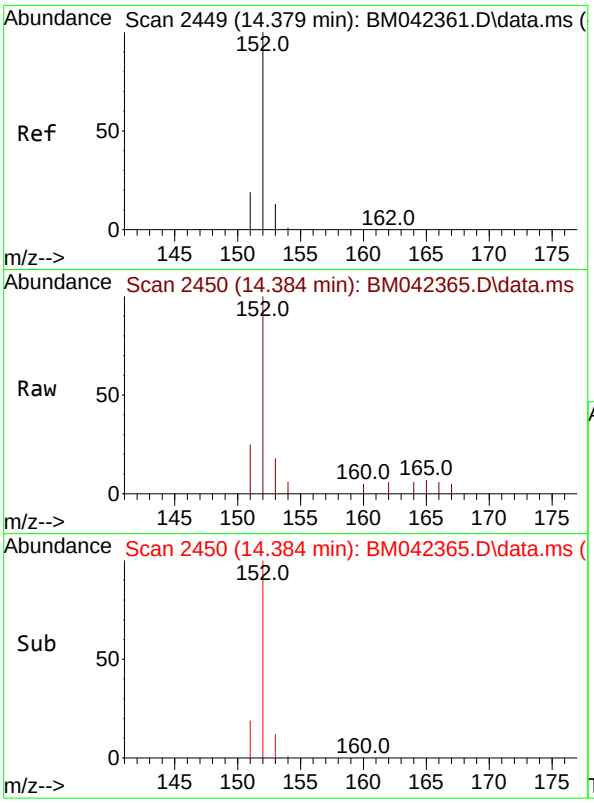


#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.709 min Scan# 2112
Delta R.T. 0.005 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:142 Resp: 1225

Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.7	110.5



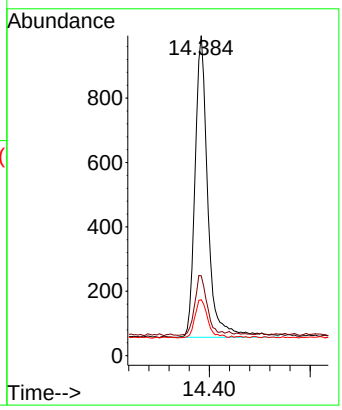


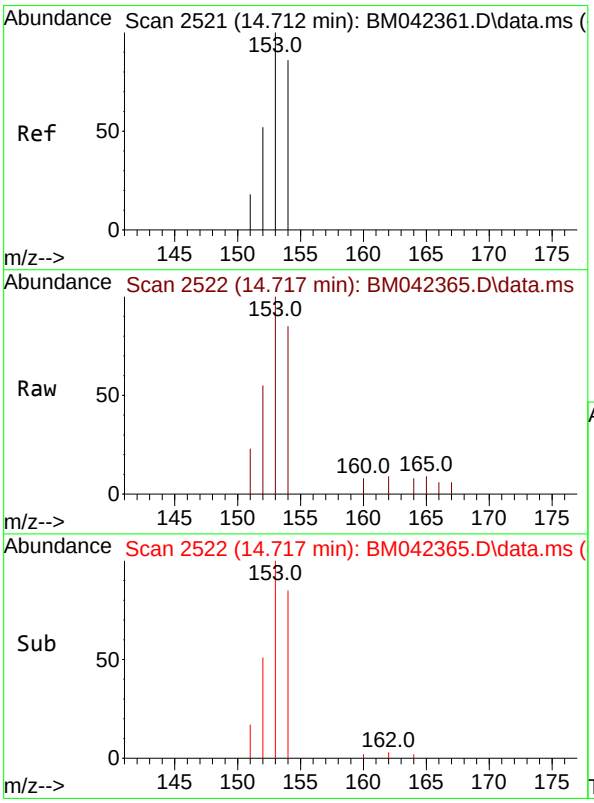
#10
Acenaphthylene
Concen: 0.071 ng/ul
RT: 14.384 min Scan# 24
Delta R.T. 0.005 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:152 Resp: 1661

Ion	Ratio	Lower	Upper
152	100		
151	24.9	16.2	24.4#
153	17.5	10.8	16.2#

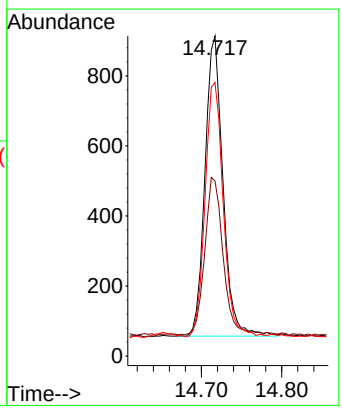


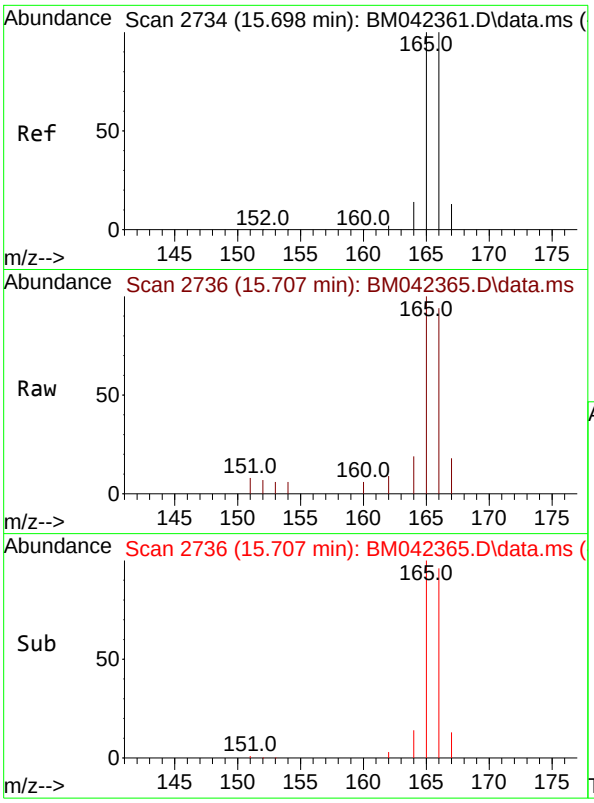


#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.717 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:153 Resp: 1333

Ion	Ratio	Lower	Upper
153	100		
152	54.7	41.7	62.5
154	85.4	70.0	105.0



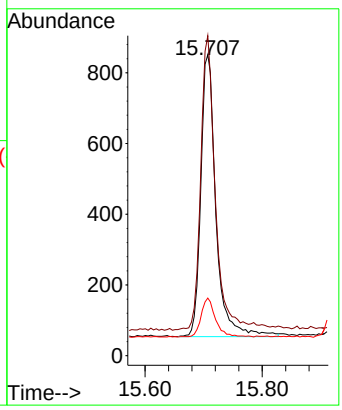


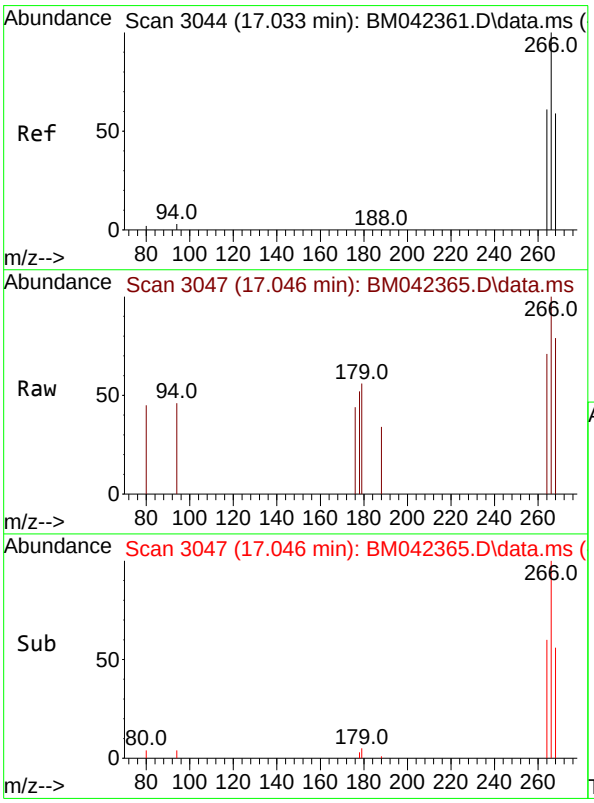
#12
Fluorene
Concen: 0.069 ng/ul
RT: 15.707 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:166 Resp: 1436

Ion	Ratio	Lower	Upper
166	100		
165	106.3	80.3	120.5
167	19.2	11.4	17.2#

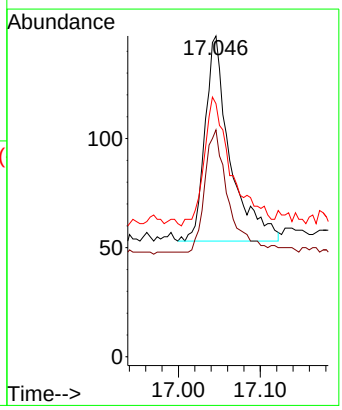


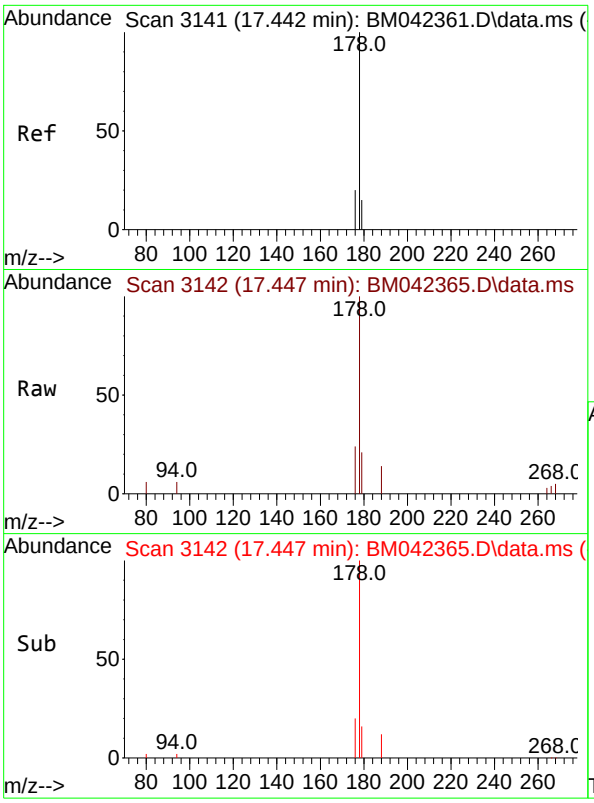


#14
Pentachlorophenol
Concen: 0.072 ng/ul
RT: 17.046 min Scan# 3047
Delta R.T. 0.008 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:266 Resp: 200

Ion	Ratio	Lower	Upper
266	100		
264	56.5	49.8	74.8
268	68.5	51.9	77.9



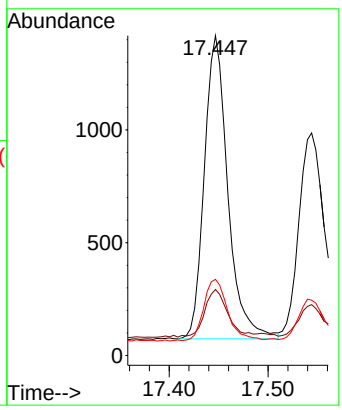


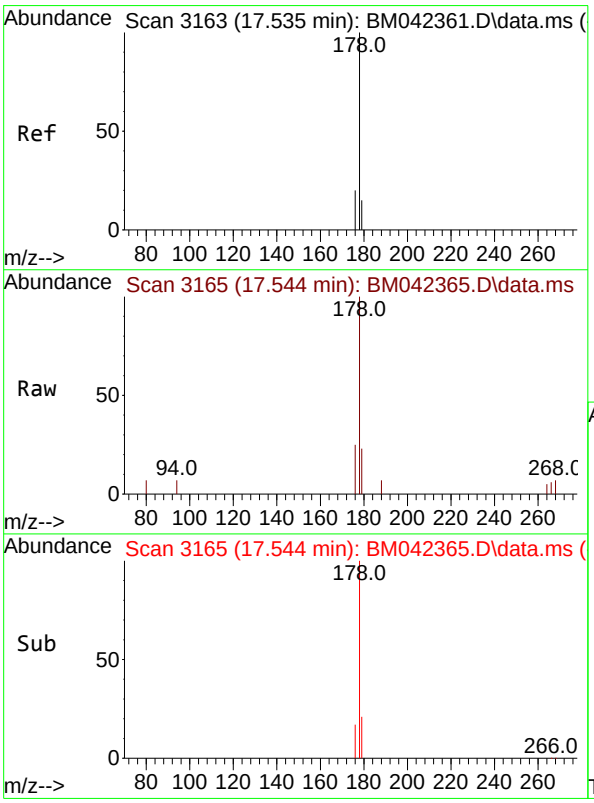
#15
Phenanthrene
Concen: 0.070 ng/ul
RT: 17.447 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:178 Resp: 2221

Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.6	19.0#
176	23.8	16.4	24.6

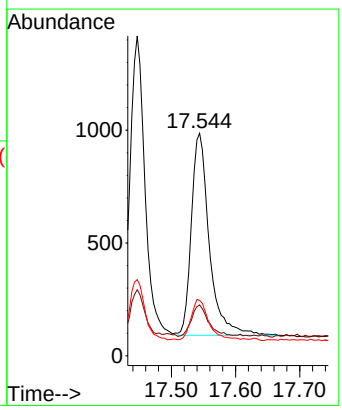


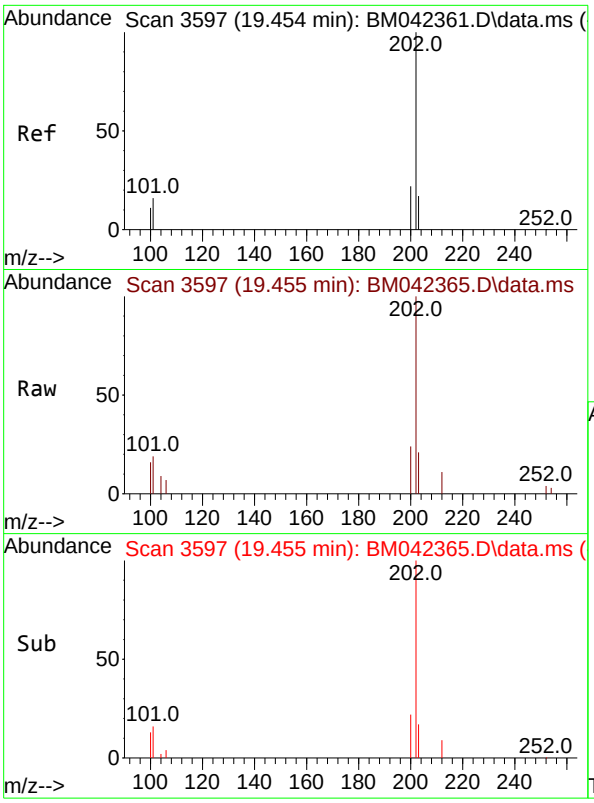


#16
Anthracene
Concen: 0.065 ng/ul
RT: 17.544 min Scan# 3165
Delta R.T. 0.008 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:178 Resp: 1739

Ion	Ratio	Lower	Upper
178	100		
179	22.9	12.9	19.3#
176	24.9	16.4	24.6#



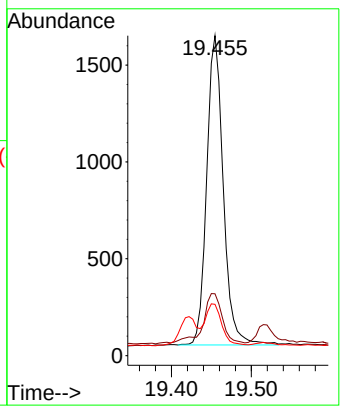


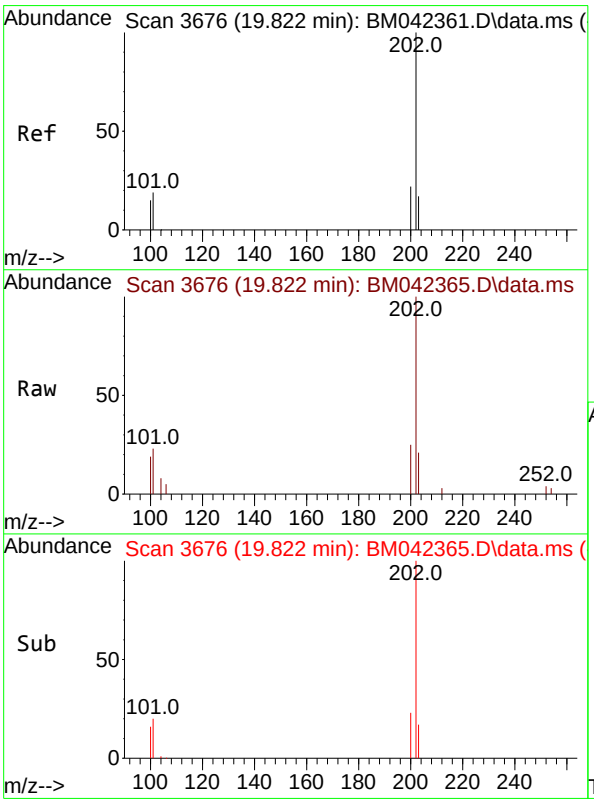
#19
Fluoranthene
Concen: 0.069 ng/ul
RT: 19.455 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:202 Resp: 2302

Ion	Ratio	Lower	Upper
202	100		
101	19.3	14.0	21.0
100	16.0	10.4	15.6#

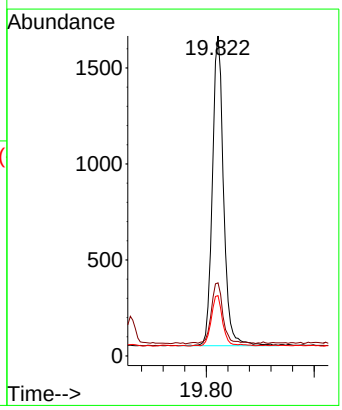


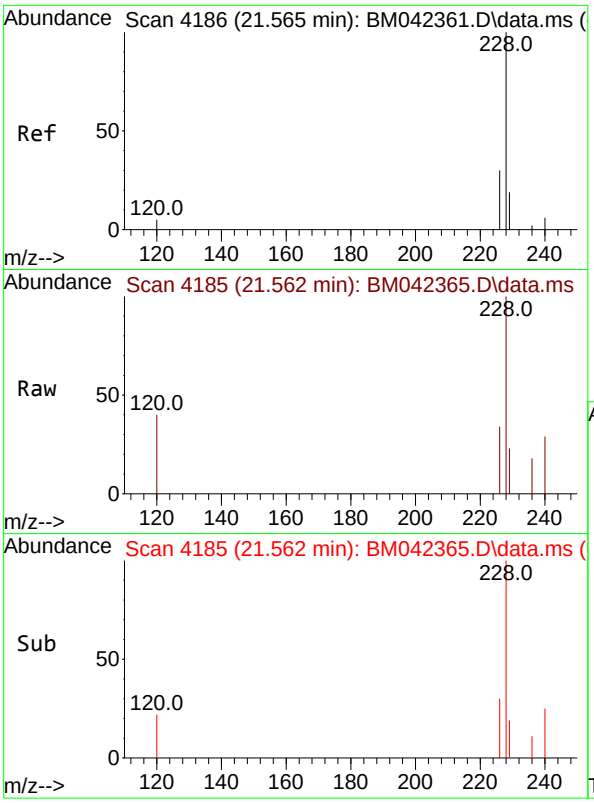


#20
Pyrene
Concen: 0.068 ng/ul
RT: 19.822 min Scan# 3676
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:202 Resp: 2325

Ion	Ratio	Lower	Upper
202	100		
101	22.9	15.8	23.8
100	18.8	12.9	19.3



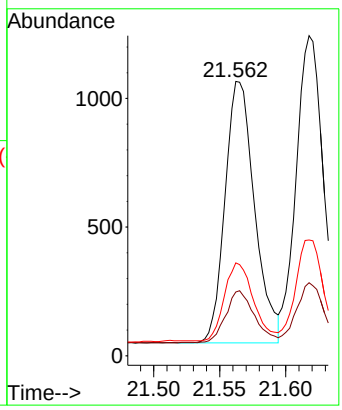


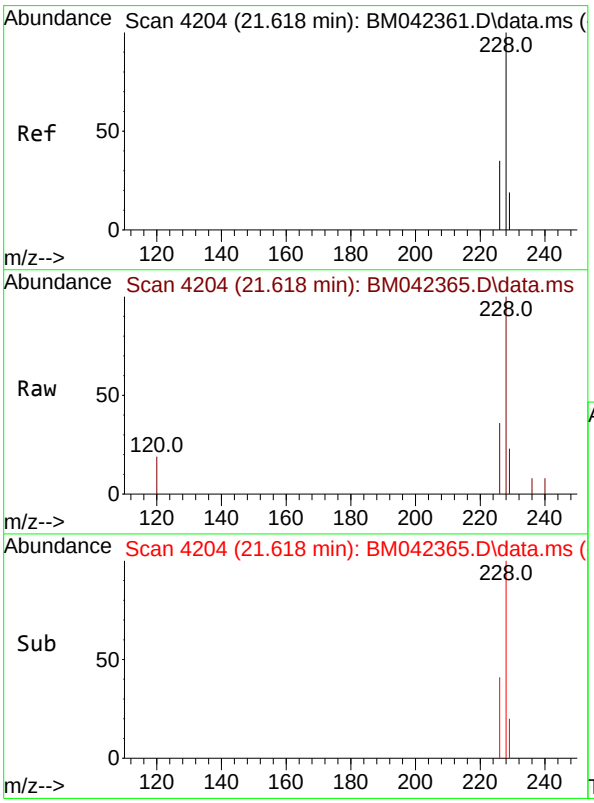
#21
Benzo(a)anthracene
Concen: 0.070 ng/ul
RT: 21.562 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:228 Resp: 1587

Ion	Ratio	Lower	Upper
228	100		
229	23.3	15.6	23.4
226	33.9	24.7	37.1

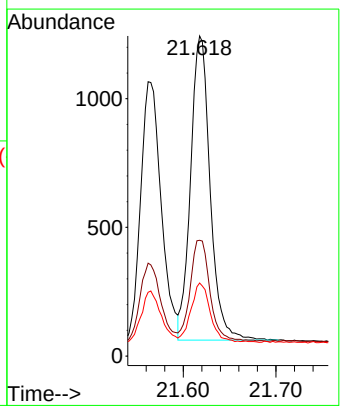


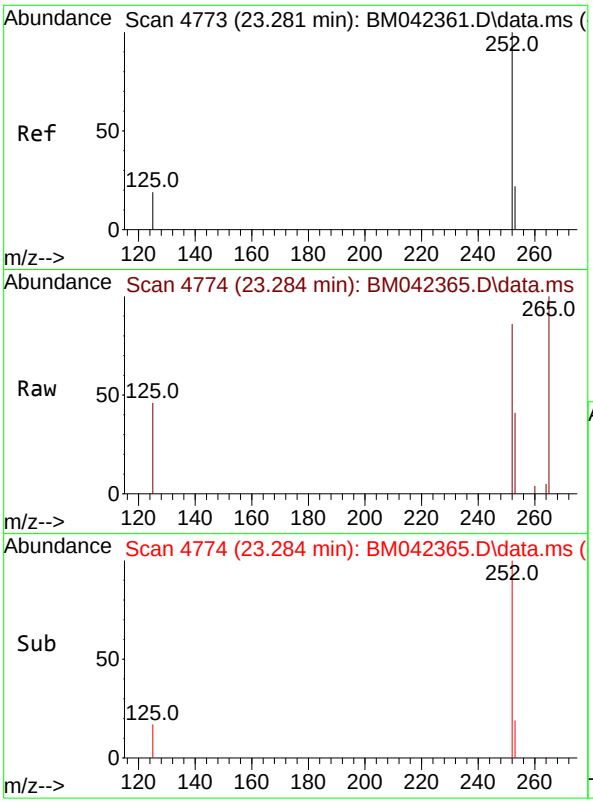


#22
Chrysene
Concen: 0.075 ng/ul
RT: 21.618 min Scan# 4204
Delta R.T. -0.003 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:228 Resp: 1732

Ion	Ratio	Lower	Upper
228	100		
226	36.2	27.1	40.7
229	22.8	15.8	23.8



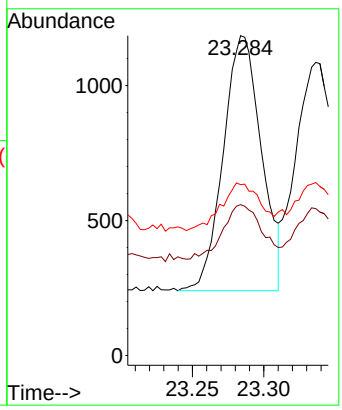


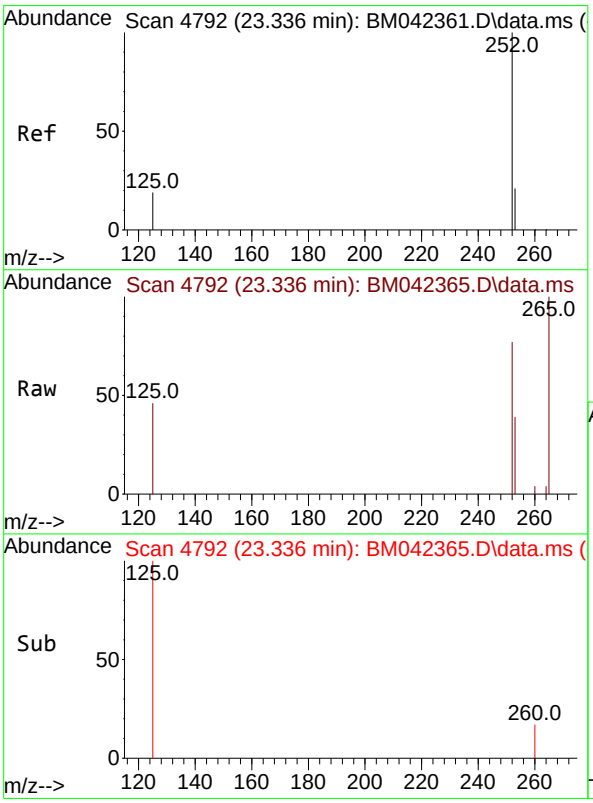
#24
Benzo(b)fluoranthene
Concen: 0.069 ng/ul
RT: 23.284 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:252 Resp: 1757

Ion	Ratio	Lower	Upper
252	100		
253	47.2	0.0	56.4
125	53.4	0.0	56.0

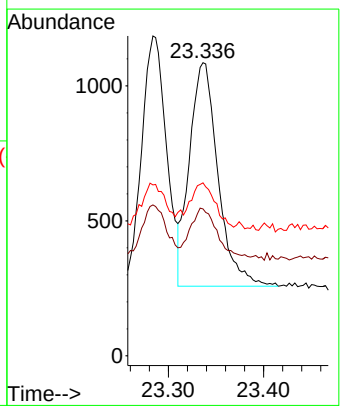


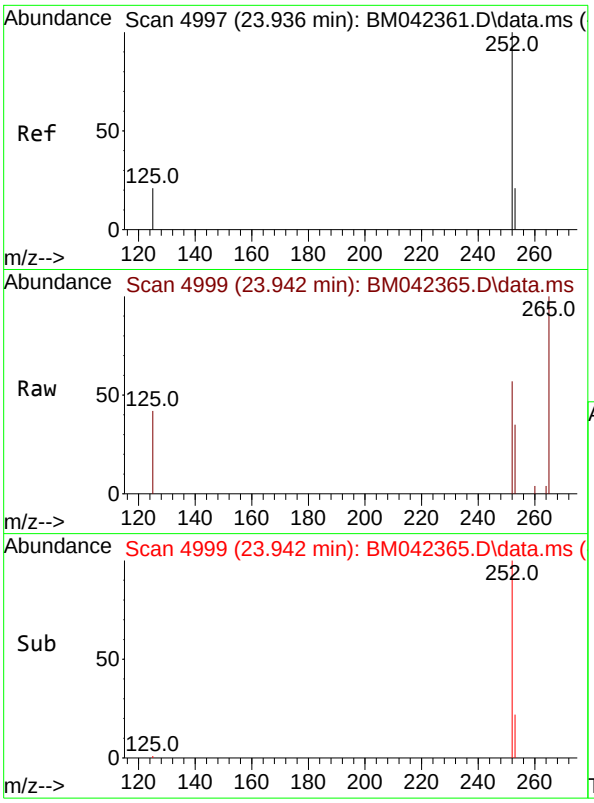


#25
Benzo(k)fluoranthene
Concen: 0.072 ng/ul
RT: 23.336 min Scan# 4792
Delta R.T. -0.000 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:252 Resp: 1728

Ion	Ratio	Lower	Upper
252	100		
253	50.1	22.7	34.1#
125	59.0	23.0	34.4#



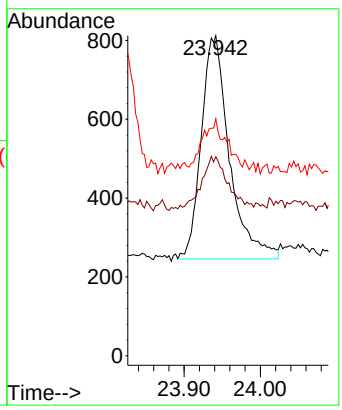


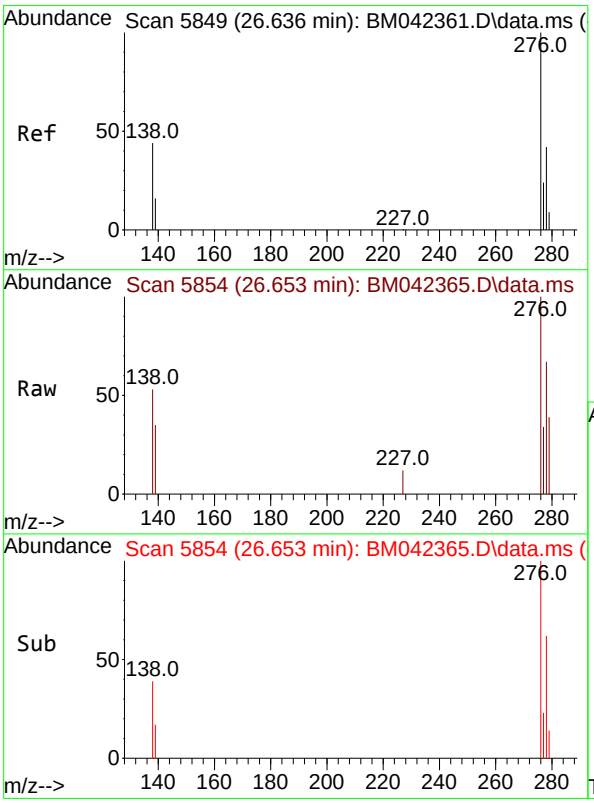
#26
Benzo(a)pyrene
Concen: 0.073 ng/ul
RT: 23.942 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:252 Resp: 1451

Ion	Ratio	Lower	Upper
252	100		
253	62.2	26.3	39.5#
125	74.0	27.7	41.5#

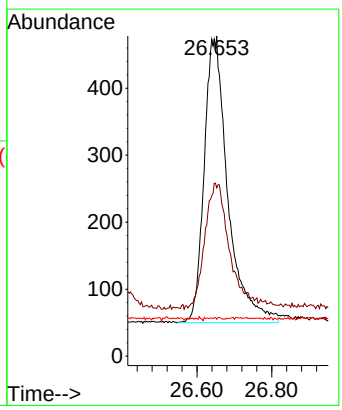


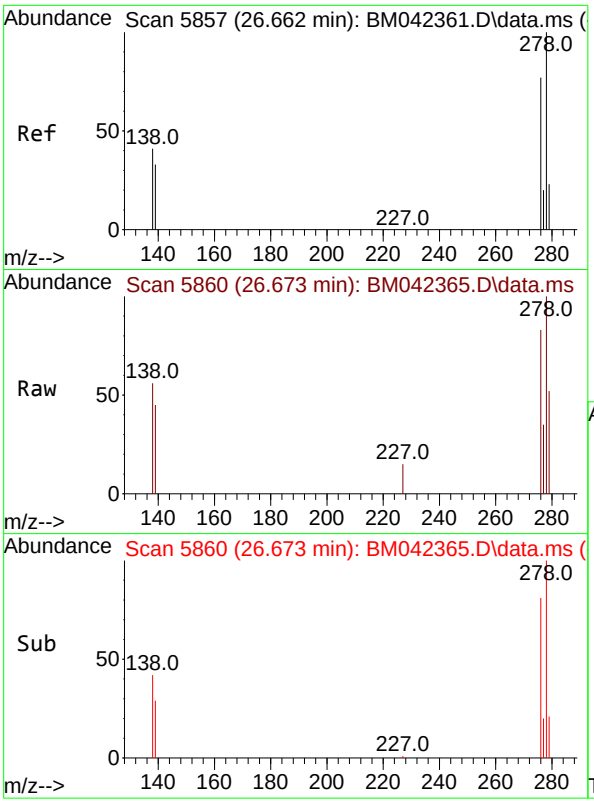


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 26.653 min Scan# 5854
Delta R.T. 0.014 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:276 Resp: 1878

Ion	Ratio	Lower	Upper
276	100		
138	44.7	35.9	53.9
227	0.1	0.1	0.1



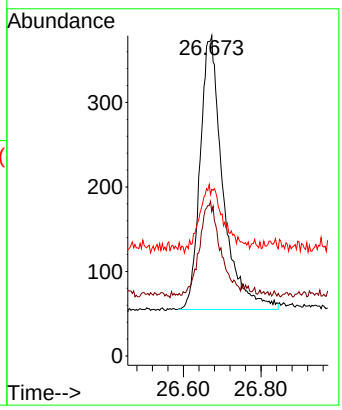


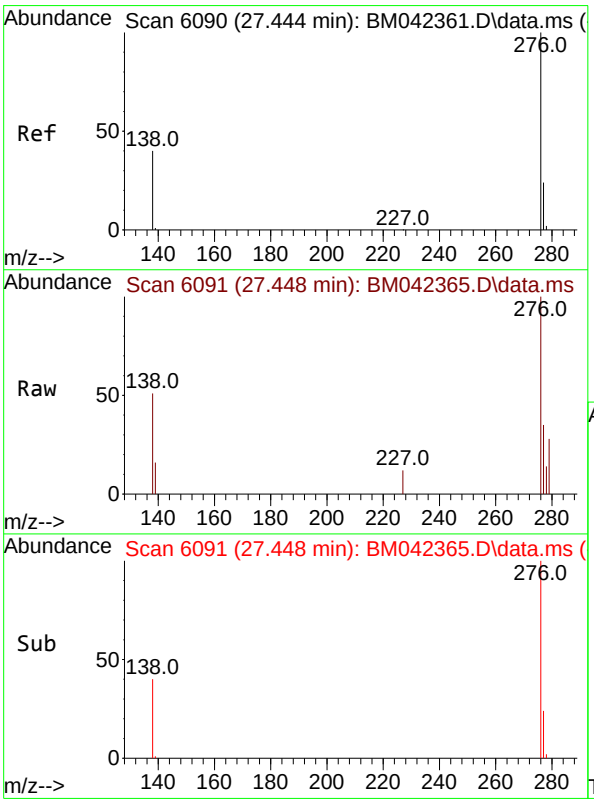
#28
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 26.673 min Scan# 5
Delta R.T. 0.010 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-04

Tgt Ion:278 Resp: 1321

Ion	Ratio	Lower	Upper
278	100		
139	45.1	28.1	42.1#
279	52.0	22.9	34.3#





#29
Benzo(g,h,i)perylene
Concen: 0.076 ng/ul
RT: 27.448 min Scan# 6091
Delta R.T. -0.003 min
Lab File: BM042365.D
Acq: 19 Oct 2023 11:58

Tgt Ion:276 Resp: 1691

Ion	Ratio	Lower	Upper
276	100		
138	51.5	33.3	49.9#
277	35.0	19.9	29.9#