Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010423\
Data File : BN023549.D
Acq On : 04 Jan 2023 11:46
Operator : CG/JU
Sample : N5388-04
Misc : SFAM-SIM-MDL-S-02
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Quant Time: Jan 05 04:56:43 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN010323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 04 00:28:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	5425	0.400	ng/ul	0.00
4) Naphthalene-d8	10.766	136	16260	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.604	164	8481	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.352	188	18726	0.400	ng/ul	0.00
17) Chrysene-d12	21.540	240	15374	0.400	ng/ul	0.00
23) Perylene-d12	23.963	264	13590	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.302	96	3434	0.572	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.360	152	8349	0.334	ng/ul	0.00
18) Fluoranthene-d10	19.383	212	18160	0.403	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	533m	0.085	ng/ul	
5) Naphthalene	10.815	128	2906	0.062	ng/ul	95
7) 2-Methylnaphthalene	12.432	142	1808	0.060	ng/ul	100
8) 1-Methylnaphthalene	12.652	142	1778	0.058	ng/ul	100
10) Acenaphthylene	14.326	152	2041	0.059	ng/ul#	92
11) Acenaphthene	14.668	153	1959	0.064	ng/ul	98
12) Fluorene	15.654	166	2134	0.061	ng/ul	97
14) Pentachlorophenol	17.002	266	341	0.056	ng/ul	97
15) Phenanthrene	17.394	178	3658	0.062	ng/ul#	93
16) Anthracene	17.483	178	2846	0.057	ng/ul#	90
19) Fluoranthene	19.411	202	4088	0.070	ng/ul	98
20) Pyrene	19.773	202	4165	0.068	ng/ul#	94
21) Benzo(a)anthracene	21.522	228	3596	0.063	ng/ul	97
22) Chrysene	21.578	228	3810	0.067	ng/ul	99
24) Benzo(b)fluoranthene	23.223	252	4241m	0.067	ng/ul	
25) Benzo(k)fluoranthene	23.270	252	3757	0.063	ng/ul#	66
26) Benzo(a)pyrene	23.855	252	3617	0.069	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	26.486	276	4255	0.066	ng/ul#	66
28) Dibenzo(a,h)anthracene	26.510	278	3356	0.065	ng/ul#	77
29) Benzo(g,h,i)perylene	27.268	276	3339	0.064	ng/ul#	88

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010423\
Data File : BN023549.D
Acq On : 04 Jan 2023 11:46
Operator : CG/JU
Sample : N5388-04
Misc : SFAM-SIM-MDL-S-02
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Quant Time: Jan 05 04:56:43 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN010323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 04 00:28:51 2023
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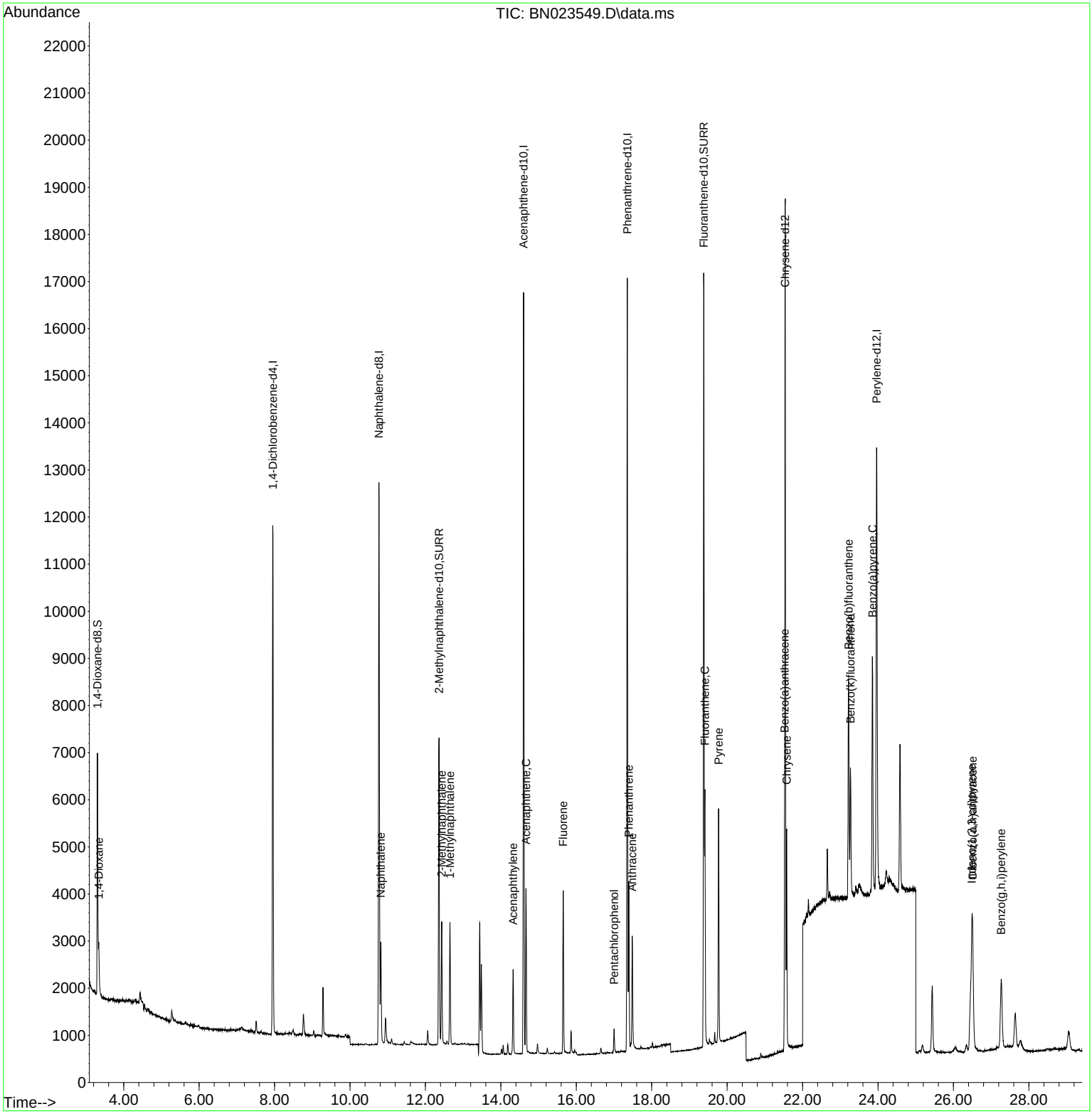
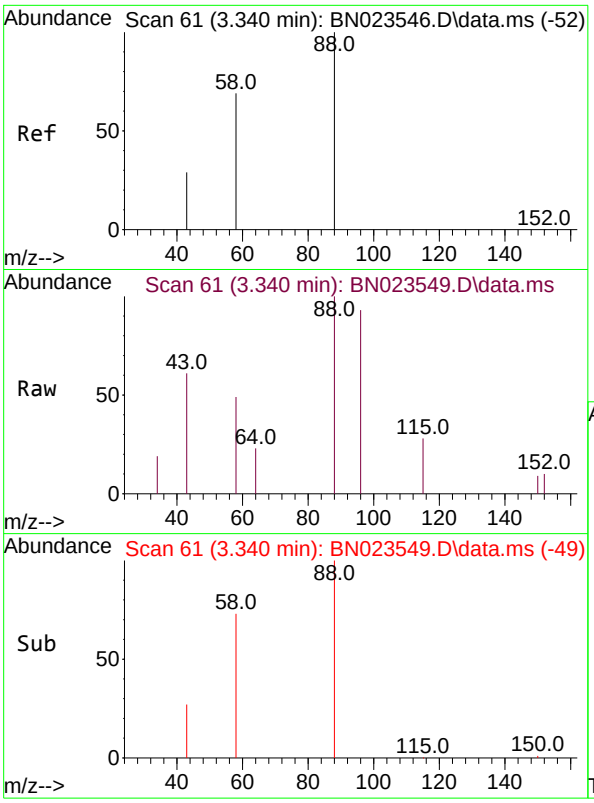


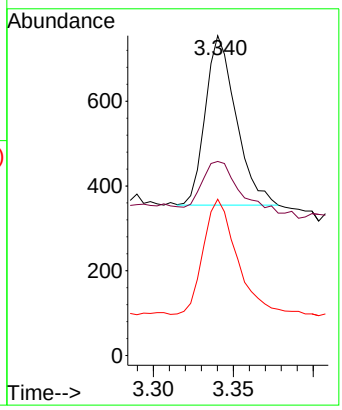


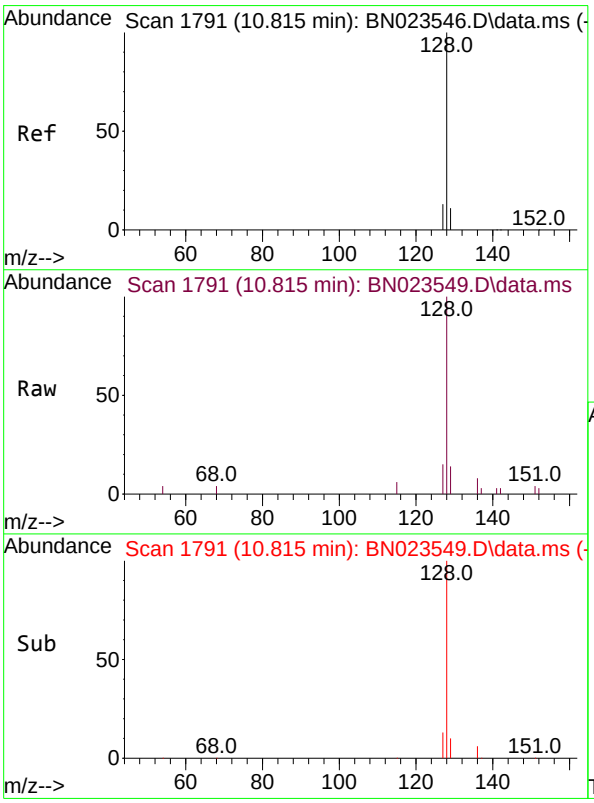
#2
1,4-Dioxane
Concen: 0.085 ng/ul m
RT: 3.340 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion: 88 Resp: 533

Ion	Ratio	Lower	Upper
88	100		
43	60.7	44.0	66.0
58	48.9	50.5	75.7#

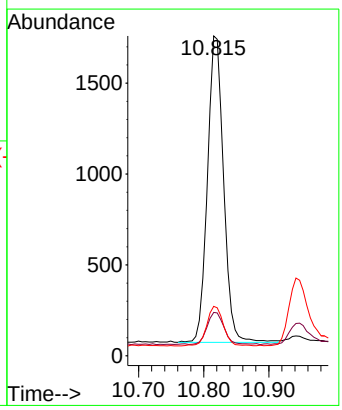


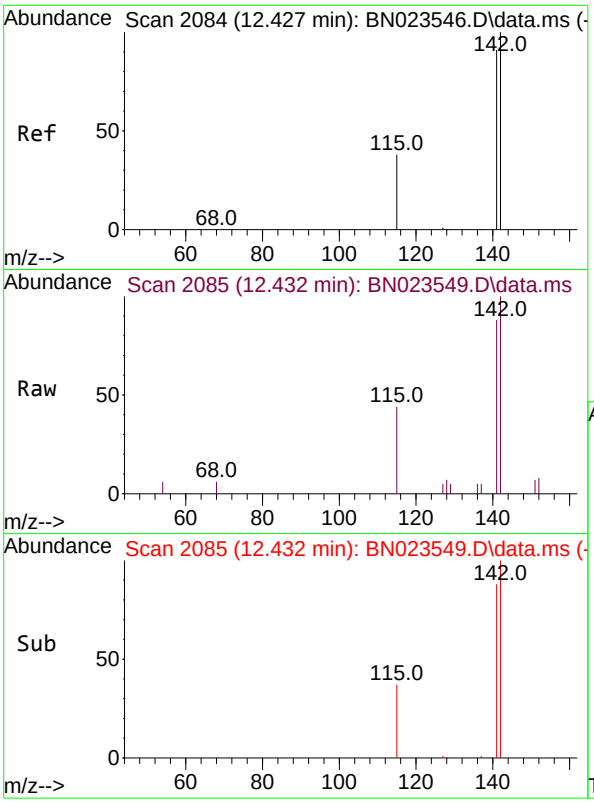


#5
Naphthalene
Concen: 0.062 ng/ul
RT: 10.815 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:128 Resp: 2906

Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.3	13.9
127	15.5	10.9	16.3



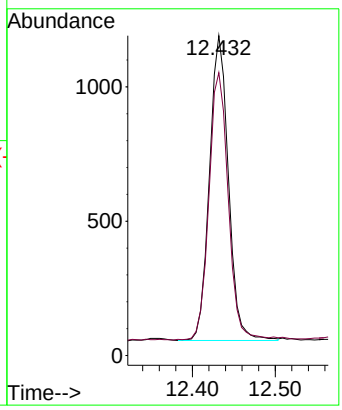


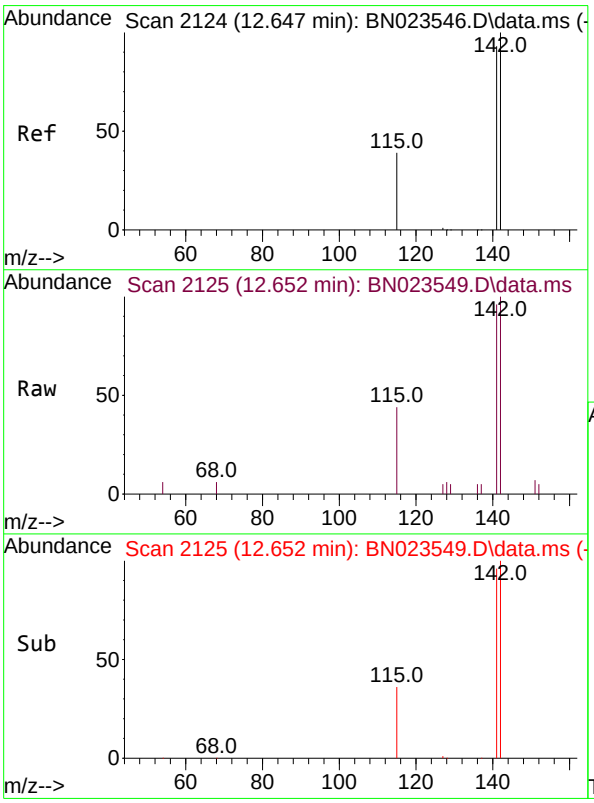
#7
2-Methylnaphthalene
Concen: 0.060 ng/ul
RT: 12.432 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:142 Resp: 1808

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.2

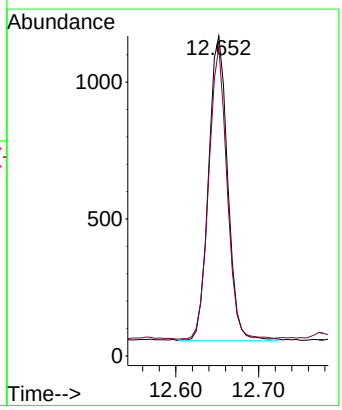


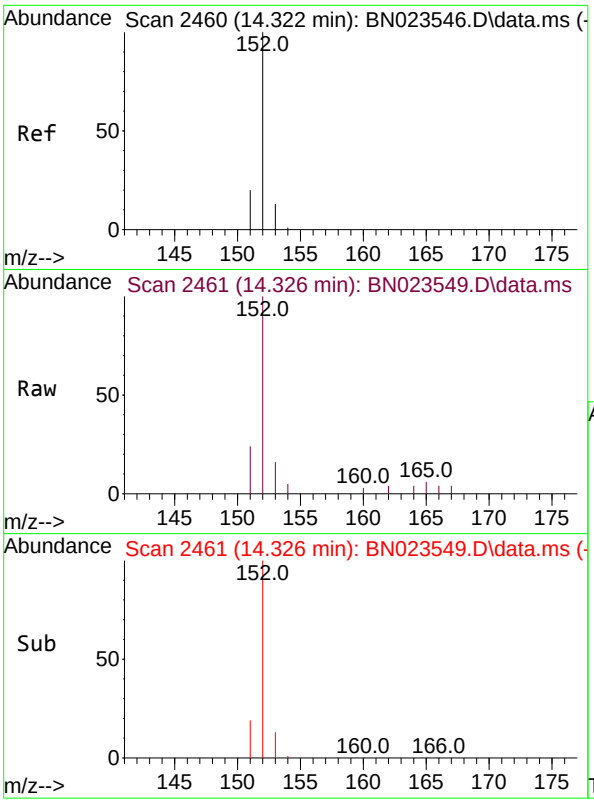


#8
1-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.652 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:142 Resp: 1778

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.1	111.1



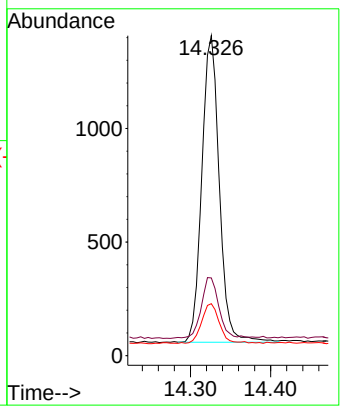


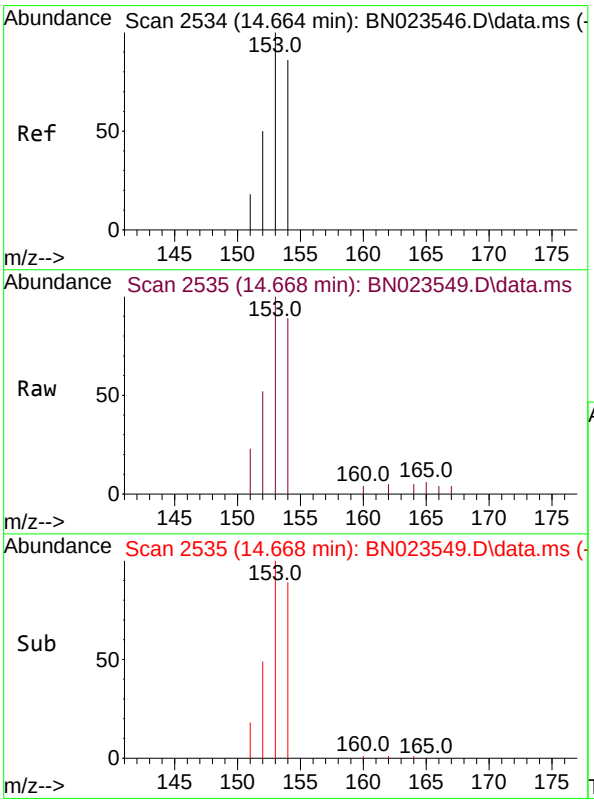
#10
Acenaphthylene
Concen: 0.059 ng/ul
RT: 14.326 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:152 Resp: 2041

Ion	Ratio	Lower	Upper
152	100		
151	24.3	16.3	24.5
153	16.3	10.7	16.1#

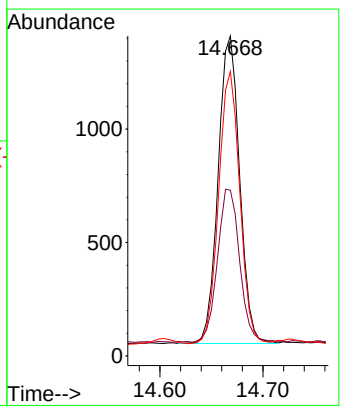


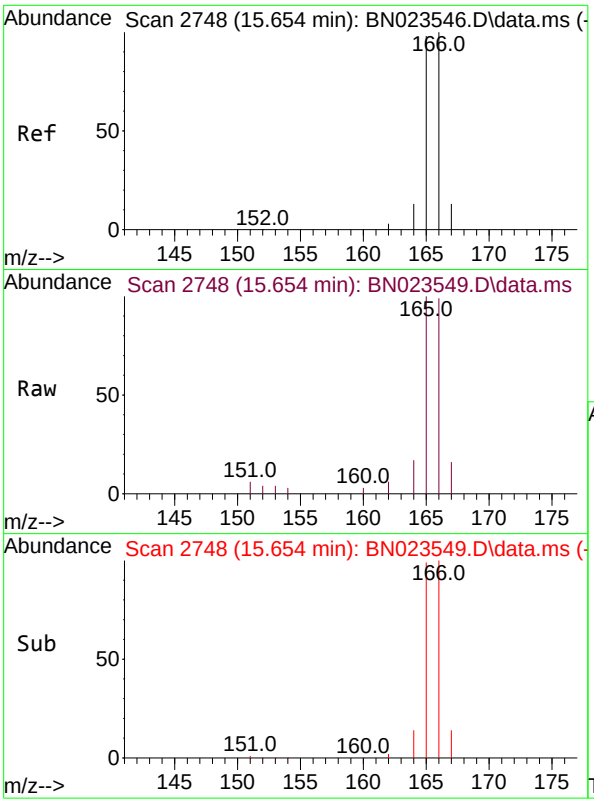


#11
Acenaphthene
Concen: 0.064 ng/ul
RT: 14.668 min Scan# 2535
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:153 Resp: 1959

Ion	Ratio	Lower	Upper
153	100		
152	51.8	39.8	59.8
154	88.9	70.1	105.1



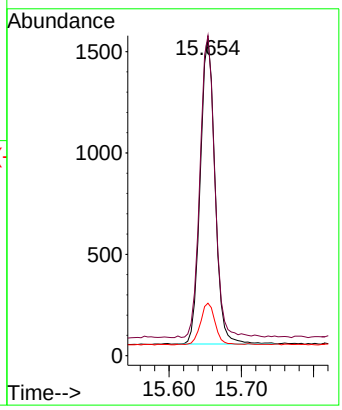


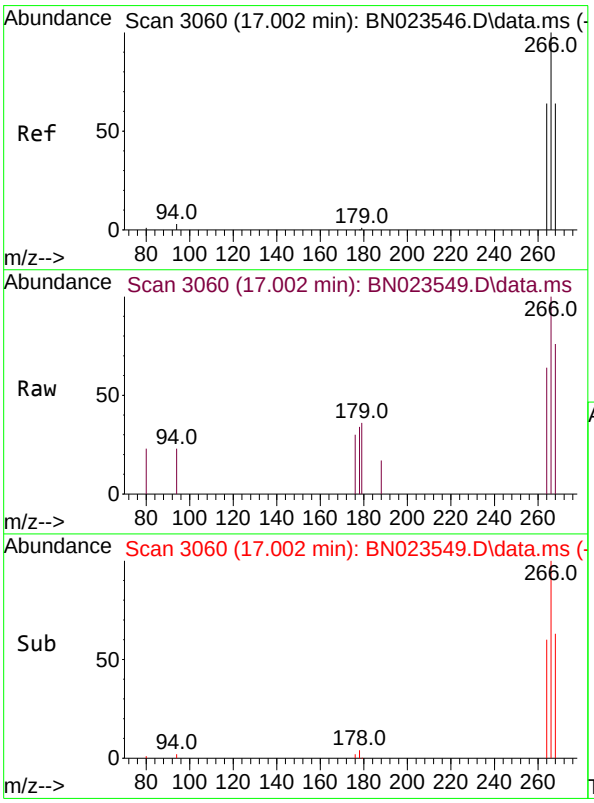
#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:166 Resp: 2134

Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.7	118.1
167	16.5	11.0	16.6

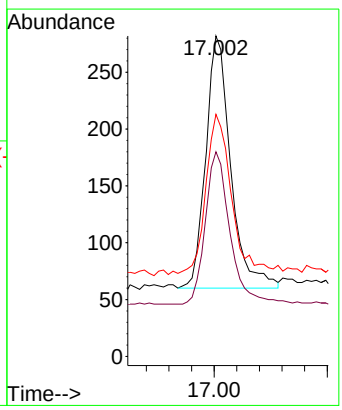


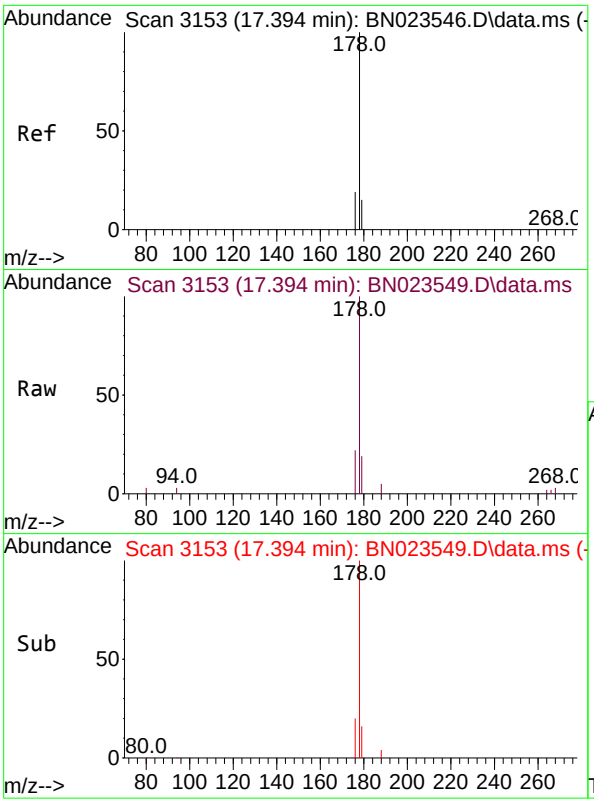


#14
Pentachlorophenol
Concen: 0.056 ng/ul
RT: 17.002 min Scan# 3060
Delta R.T. -0.004 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:266 Resp: 341

Ion	Ratio	Lower	Upper
266	100		
264	59.8	50.0	75.0
268	66.0	51.4	77.0



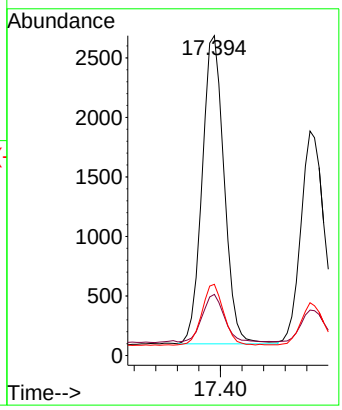


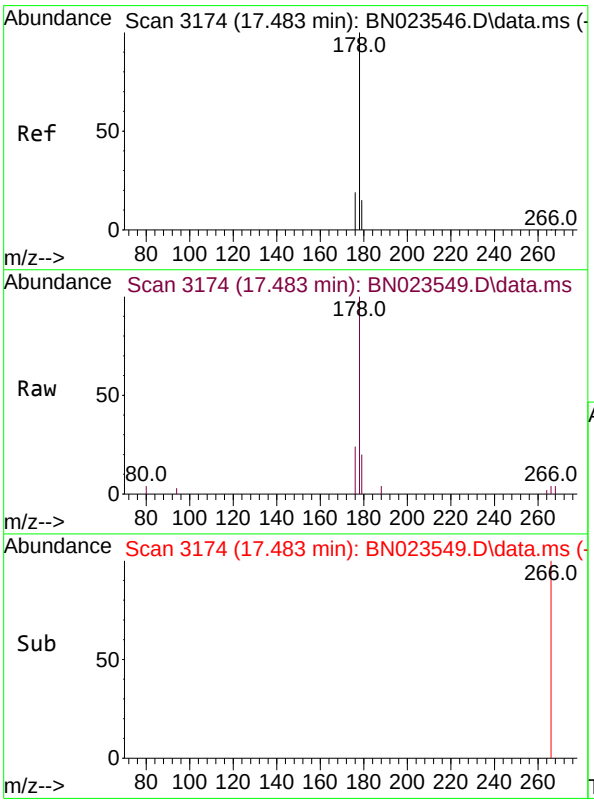
#15
Phenanthrene
Concen: 0.062 ng/ul
RT: 17.394 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:178 Resp: 3658

Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.6	18.8#
176	22.3	15.8	23.8

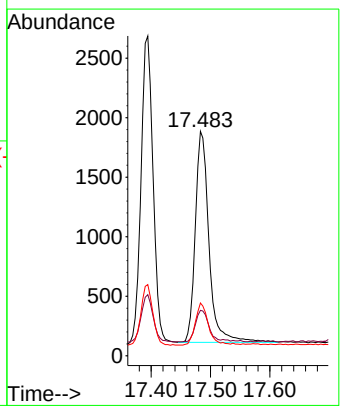


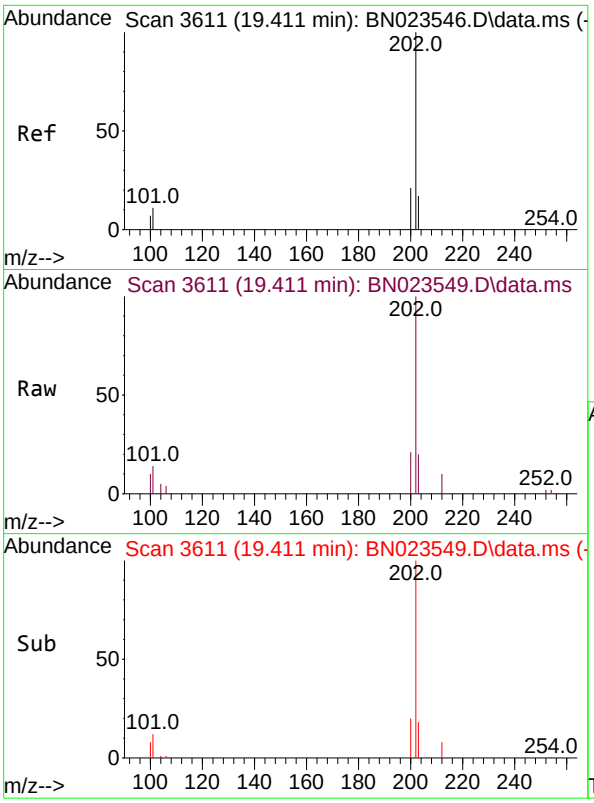


#16
Anthracene
Concen: 0.057 ng/ul
RT: 17.483 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:178 Resp: 2846

Ion	Ratio	Lower	Upper
178	100		
179	20.3	12.7	19.1#
176	23.5	15.4	23.2#



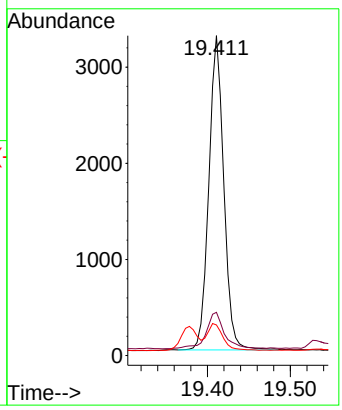


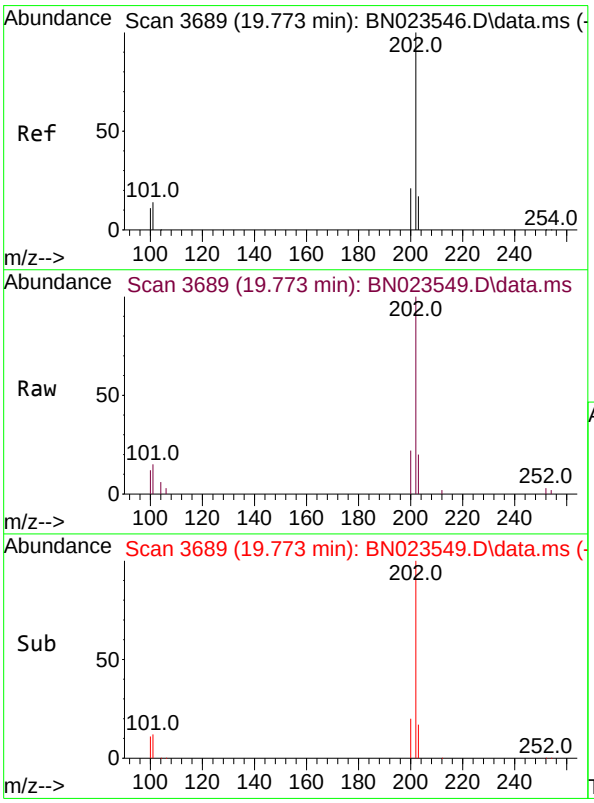
#19
Fluoranthene
Concen: 0.070 ng/ul
RT: 19.411 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:202 Resp: 4088

Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.8	14.6
100	9.6	7.4	11.2

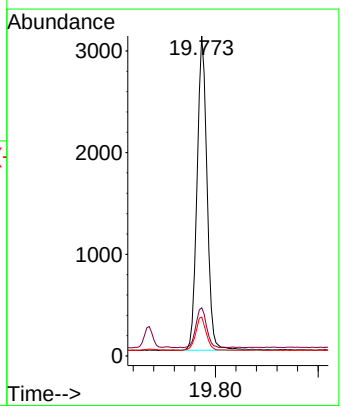


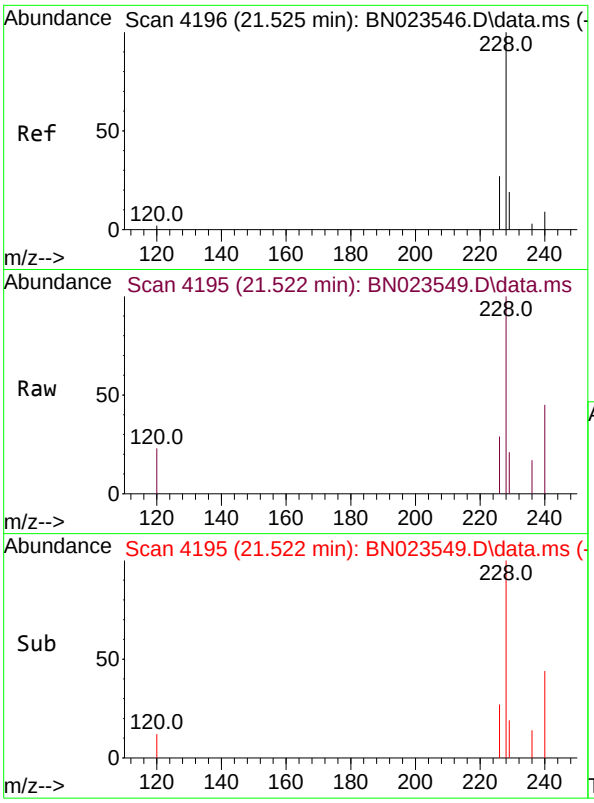


#20
Pyrene
Concen: 0.068 ng/ul
RT: 19.773 min Scan# 3689
Delta R.T. -0.005 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:202 Resp: 4165

Ion	Ratio	Lower	Upper
202	100		
101	15.0	10.3	15.5
100	12.1	8.0	12.0#



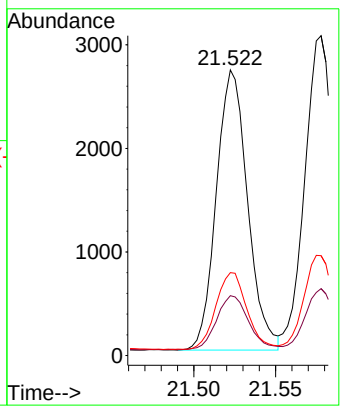


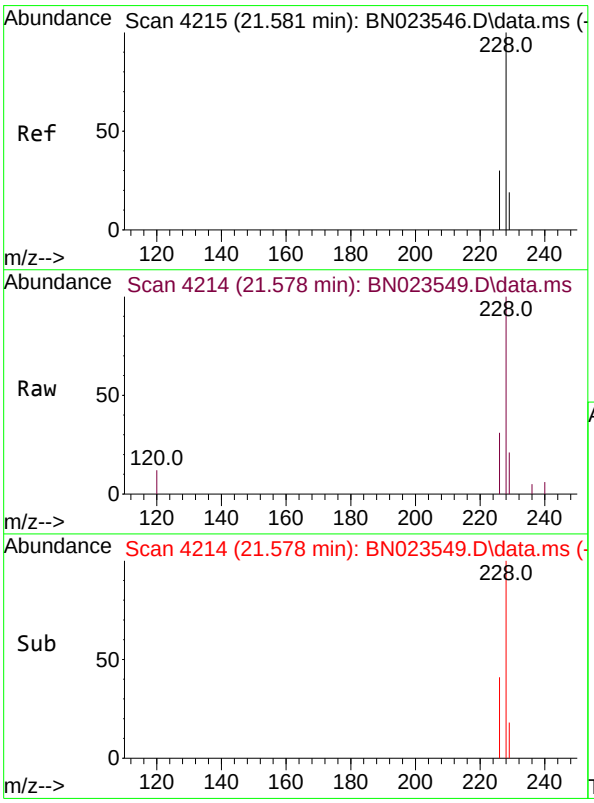
#21
Benzo(a)anthracene
Concen: 0.063 ng/ul
RT: 21.522 min Scan# 41
Delta R.T. -0.003 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:228 Resp: 3596

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.5	23.3
226	29.0	22.4	33.6

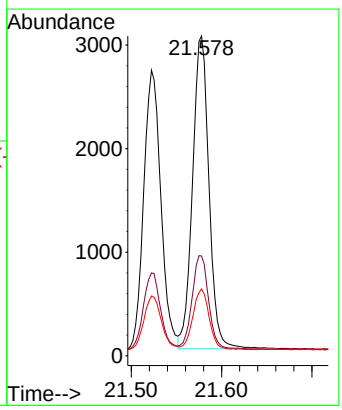


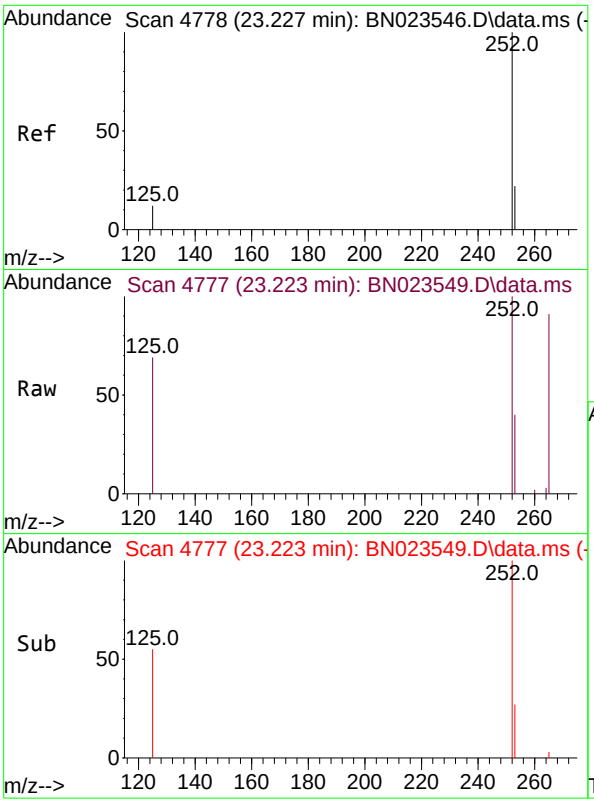


#22
Chrysene
Concen: 0.067 ng/ul
RT: 21.578 min Scan# 4214
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:228 Resp: 3810

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	20.9	15.8	23.6



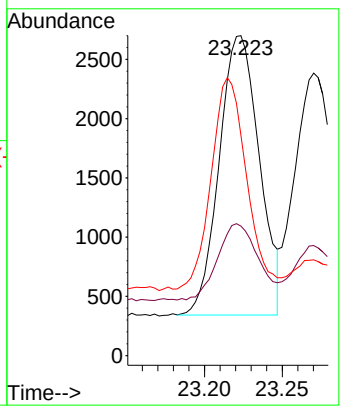


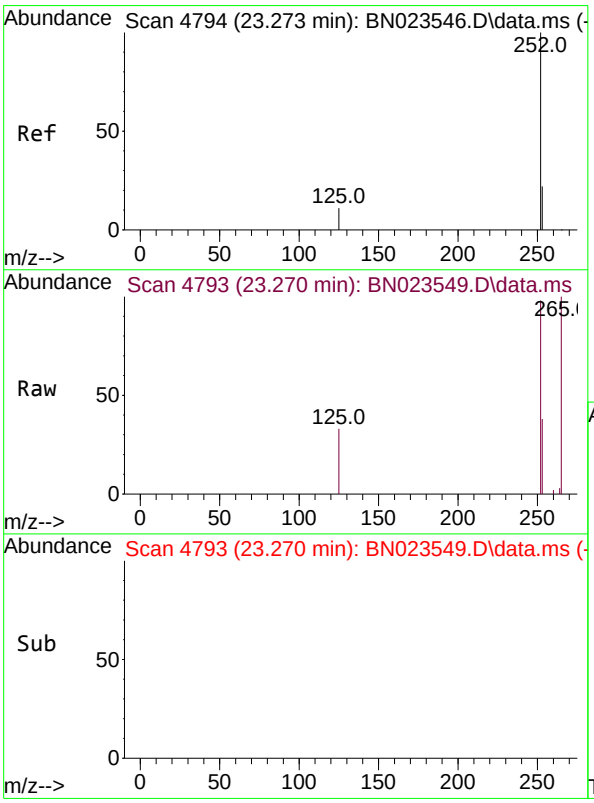
#24
Benzo(b)fluoranthene
Concen: 0.067 ng/ul m
RT: 23.223 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:252 Resp: 4241

Ion	Ratio	Lower	Upper
252	100		
253	40.5	0.0	49.2
125	68.9	0.0	34.2#

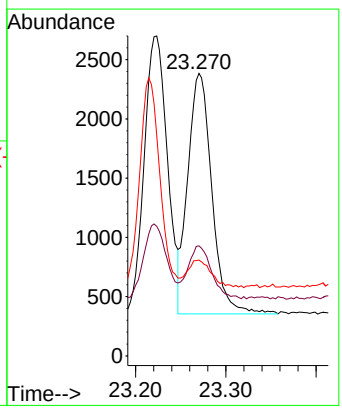


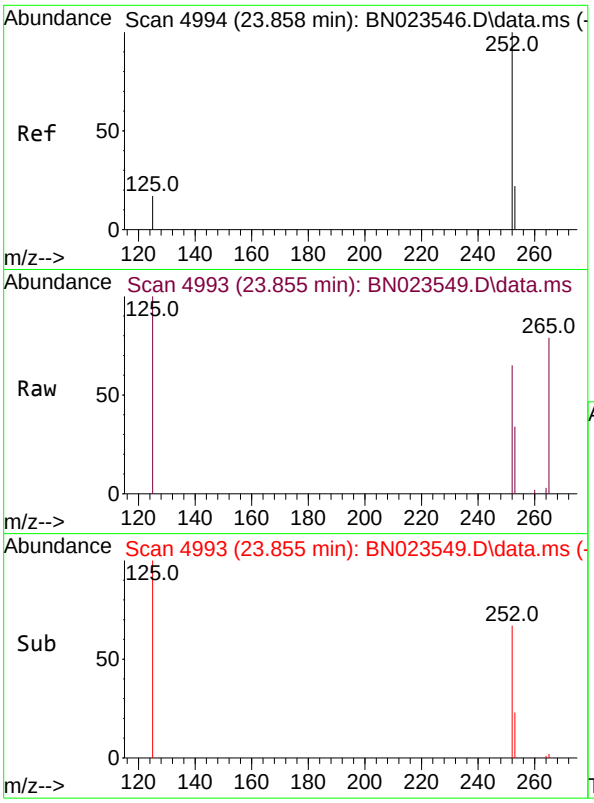


#25
Benzo(k)fluoranthene
Concen: 0.063 ng/ul
RT: 23.270 min Scan# 4793
Delta R.T. -0.003 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:252 Resp: 3757

Ion	Ratio	Lower	Upper
252	100		
253	38.9	20.2	30.2#
125	33.9	12.1	18.1#



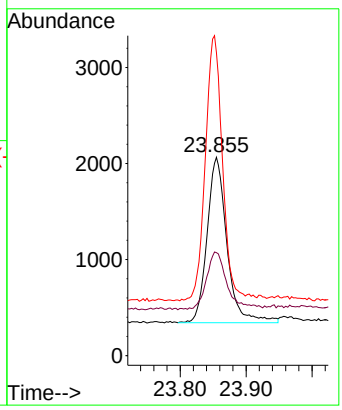


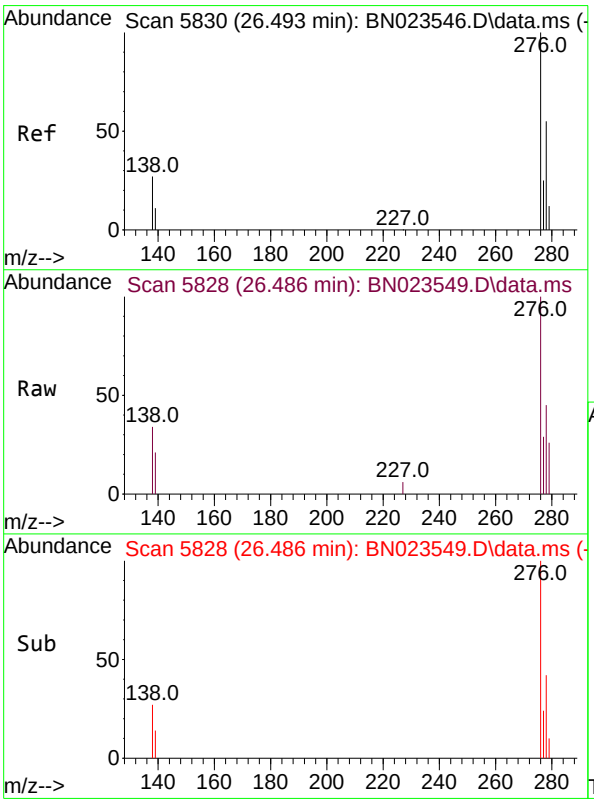
#26
Benzo(a)pyrene
Concen: 0.069 ng/ul
RT: 23.855 min Scan# 49
Delta R.T. -0.003 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:252 Resp: 3617

Ion	Ratio	Lower	Upper
252	100		
253	52.0	21.4	32.0#
125	152.8	18.4	27.6#

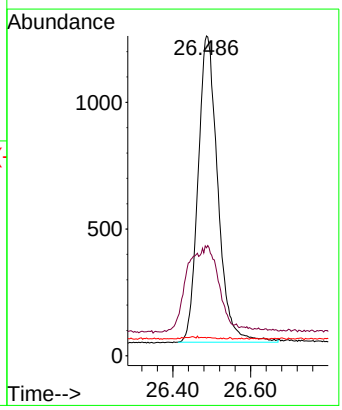


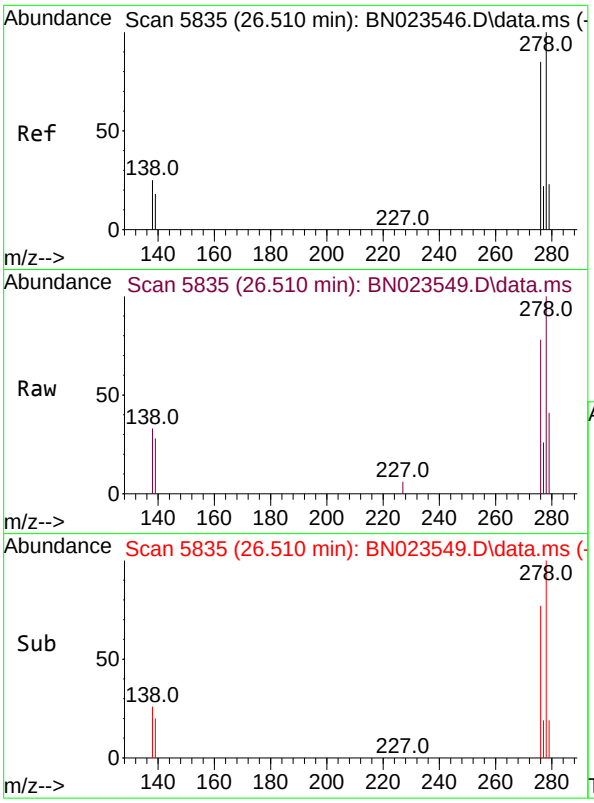


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng/ul
RT: 26.486 min Scan# 5828
Delta R.T. -0.007 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:276 Resp: 4255

Ion	Ratio	Lower	Upper
276	100		
138	47.0	23.2	34.8#
227	0.0	0.1	0.1#



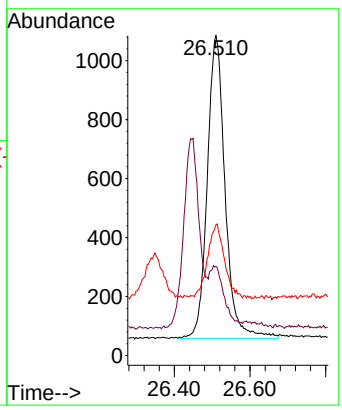


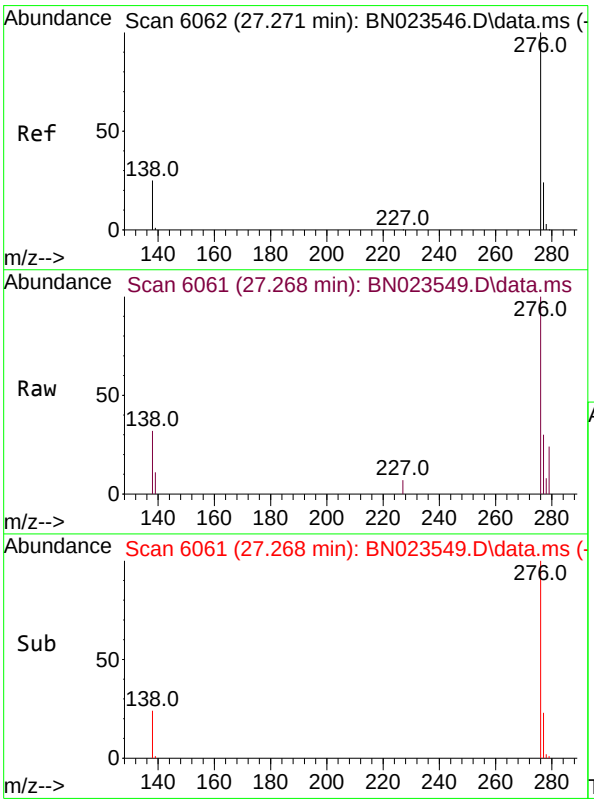
#28
Dibenzo(a,h)anthracene
Concen: 0.065 ng/ul
RT: 26.510 min Scan# 58
Delta R.T. -0.004 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2022-08

Tgt Ion:278 Resp: 3356

Ion	Ratio	Lower	Upper
278	100		
139	27.8	16.5	24.7#
279	40.9	21.0	31.4#





#29
Benzo(g,h,i)perylene
Concen: 0.064 ng/ul
RT: 27.268 min Scan# 6061
Delta R.T. -0.000 min
Lab File: BN023549.D
Acq: 04 Jan 2023 11:46

Tgt Ion:276 Resp: 3339

Ion	Ratio	Lower	Upper
276	100		
138	32.3	20.7	31.1#
277	30.2	19.6	29.4#