Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
Data File : BG062666.D
Acq On : 5 Sep 2024 14:29
Operator : MA/JU
Sample : P2403-03
Misc : MDL-SOIL-8 ng
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Quant Time: Sep 05 16:12:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.918	152	50572	20.000	ng		0.00
21) Naphthalene-d8	10.715	136	206510	20.000	ng		0.00
39) Acenaphthene-d10	14.546	164	165946	20.000	ng		0.00
64) Phenanthrene-d10	17.289	188	460694	20.000	ng		0.00
76) Chrysene-d12	21.532	240	524503	20.000	ng		0.00
86) Perylene-d12	24.599	264	588455	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.497	112	382408	130.706	ng		0.00
7) Phenol-d6	7.084	99	528613	125.068	ng		0.00
23) Nitrobenzene-d5	9.076	82	372232	97.075	ng		0.00
42) 2,4,6-Tribromophenol	16.032	330	353570	151.397	ng		0.00
45) 2-Fluorobiphenyl	13.171	172	973072	94.981	ng		0.00
79) Terphenyl-d14	19.904	244	2135245	80.721	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.406	88	11482	9.421	ng		98
3) Pyridine	3.805	79	28507	8.118	ng		93
4) n-Nitrosodimethylamine	3.717	42	14235	8.338	ng	#	92
6) Aniline	7.242	93	39854	10.093	ng		94
8) 2-Chlorophenol	7.489	128	26427	8.413	ng		96
9) Benzaldehyde	7.060	77	27146	11.041	ng		93
10) Phenol	7.113	94	35002	8.180	ng		96
11) bis(2-Chloroethyl)ether	7.342	93	26896	8.210	ng		97
12) 1,3-Dichlorobenzene	7.812	146	30089	8.729	ng		97
13) 1,4-Dichlorobenzene	7.959	146	29987	8.453	ng		95
14) 1,2-Dichlorobenzene	8.277	146	28303	8.117	ng		96
15) Benzyl Alcohol	8.153	79	25797	8.249	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.435	45	49781	7.973	ng		98
17) 2-Methylphenol	8.359	107	22444	7.525	ng		97
18) Hexachloroethane	9.005	117	9804	7.371	ng	#	82
19) n-Nitroso-di-n-propyla...	8.717	70	24701	7.417	ng	#	95
20) 3+4-Methylphenols	8.688	107	32733	7.439	ng		89
22) Acetophenone	8.735	105	47657	8.554	ng	#	95
24) Nitrobenzene	9.111	77	35965	8.821	ng		99
25) Isophorone	9.634	82	66165	7.861	ng		99
26) 2-Nitrophenol	9.828	139	12824	8.325	ng	#	87
27) 2,4-Dimethylphenol	9.886	122	16584	7.347	ng		91
28) bis(2-Chloroethoxy)met...	10.116	93	38086	8.452	ng		96
29) 2,4-Dichlorophenol	10.362	162	25820	8.181	ng		95
30) 1,2,4-Trichlorobenzene	10.574	180	33126	8.854	ng		94
31) Naphthalene	10.762	128	88637	8.660	ng		95
32) Benzoic acid	9.951	122	8970	3.695	ng		98
33) 4-Chloroaniline	10.868	127	35059	8.704	ng		93
34) Hexachlorobutadiene	11.050	225	22878	8.755	ng		97
35) Caprolactam	11.614	113	9961	8.187	ng	#	81
36) 4-Chloro-3-methylphenol	11.990	107	30408	7.988	ng		98
37) 2-Methylnaphthalene	12.366	142	65451	8.244	ng		98
38) 1-Methylnaphthalene	12.589	142	63384	7.951	ng		93
40) 1,2,4,5-Tetrachloroben...	12.736	216	46266	9.271	ng		98
41) Hexachlorocyclopentadiene	12.718	237	13008	9.136	ng		98
43) 2,4,6-Trichlorophenol	12.977	196	27104	8.567	ng		90

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
Data File : BG062666.D
Acq On : 5 Sep 2024 14:29
Operator : MA/JU
Sample : P2403-03
Misc : MDL-SOIL-8 ng
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Quant Time: Sep 05 16:12:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.047	196	29616	8.266	ng		94
46) 1,1'-Biphenyl	13.376	154	98864	8.930	ng		99
47) 2-Chloronaphthalene	13.418	162	77731	8.663	ng		97
48) 2-Nitroaniline	13.617	65	20381	8.636	ng		96
49) Acenaphthylene	14.264	152	126209	9.499	ng		96
50) Dimethylphthalate	13.993	163	106686	8.792	ng	#	97
51) 2,6-Dinitrotoluene	14.111	165	20168	8.787	ng		91
52) Acenaphthene	14.604	154	72792	8.764	ng		99
53) 3-Nitroaniline	14.440	138	20256	9.121	ng		98
54) 2,4-Dinitrophenol	14.651	184	6474	5.026	ng		93
55) Dibenzofuran	14.939	168	129543	9.094	ng		97
56) 4-Nitrophenol	14.751	139	15382	8.173	ng		97
57) 2,4-Dinitrotoluene	14.898	165	27610	8.817	ng		97
58) Fluorene	15.591	166	100556	8.995	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.168	232	31693	9.338	ng		94
60) Diethylphthalate	15.362	149	105408	8.764	ng		100
61) 4-Chlorophenyl-phenyle...	15.586	204	58783	9.159	ng		95
62) 4-Nitroaniline	15.597	138	21481	8.772	ng		94
63) Azobenzene	15.874	77	97165	8.604	ng		99
65) 4,6-Dinitro-2-methylph...	15.662	198	14200	6.907	ng		90
66) n-Nitrosodiphenylamine	15.797	169	91620	8.272	ng		97
67) 4-Bromophenyl-phenylether	16.479	248	40797	8.580	ng		95
68) Hexachlorobenzene	16.596	284	49219	8.741	ng		95
69) Atrazine	16.743	200	41782	11.106	ng		94
70) Pentachlorophenol	16.937	266	22732	6.303	ng		96
71) Phenanthrene	17.331	178	196376	9.132	ng		98
72) Anthracene	17.419	178	193841	9.168	ng		98
73) Carbazole	17.689	167	173268	8.915	ng		100
74) Di-n-butylphthalate	18.253	149	189519	8.646	ng		98
75) Fluoranthene	19.340	202	253112	9.307	ng		98
77) Benzidine	19.522	184	102385	10.830	ng		97
78) Pyrene	19.704	202	274287	8.227	ng		99
80) Butylbenzylphthalate	20.597	149	71762	7.328	ng		95
81) Benzo(a)anthracene	21.514	228	291525	8.812	ng		97
82) 3,3'-Dichlorobenzidine	21.432	252	97287	9.027	ng		99
83) Chrysene	21.573	228	281718	8.891	ng		98
84) Bis(2-ethylhexyl)phtha...	21.432	149	115593	7.770	ng	#	96
85) Di-n-octyl phthalate	22.589	149	187790	7.209	ng		100
87) Indeno(1,2,3-cd)pyrene	28.047	276	328789	8.714	ng	#	93
88) Benzo(b)fluoranthene	23.629	252	275271	8.469	ng		98
89) Benzo(k)fluoranthene	23.688	252	279910	8.804	ng		98
90) Benzo(a)pyrene	24.446	252	253298	8.821	ng		98
91) Dibenzo(a,h)anthracene	28.112	278	271854	8.746	ng		98
92) Benzo(g,h,i)perylene	29.134	276	257177	8.205	ng		98

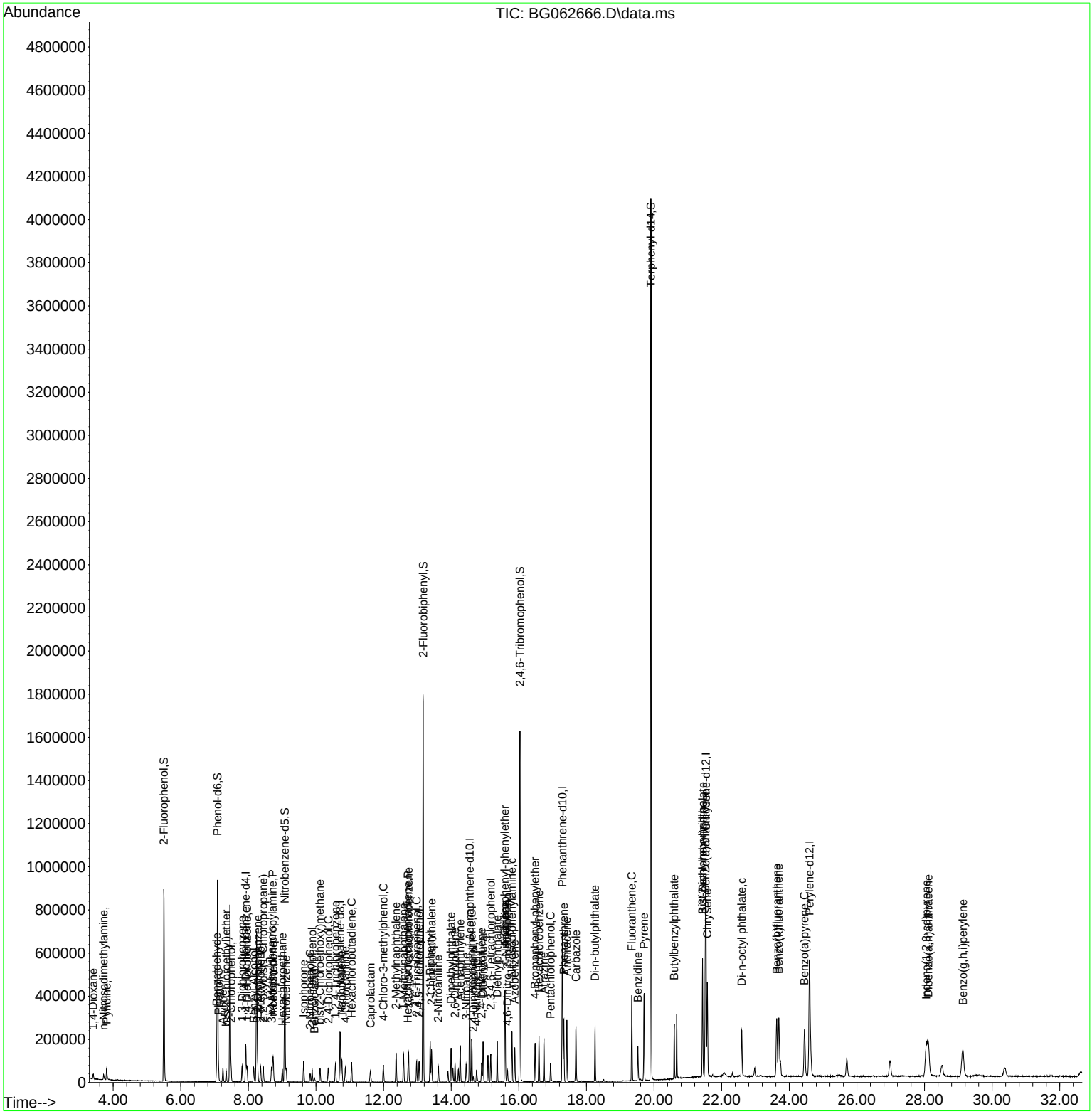
(#) = qualifier out of range (m) = manual integration (+) = signals summed

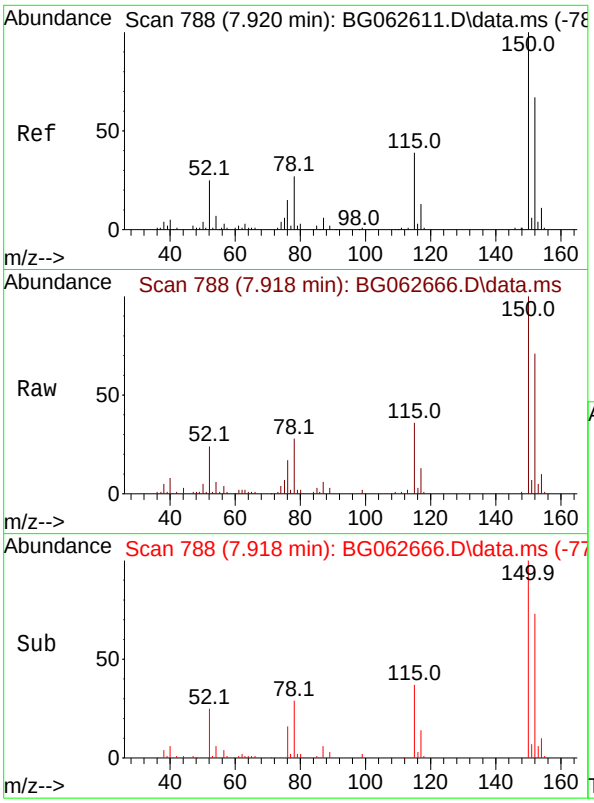
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090524\
Data File : BG062666.D
Acq On : 5 Sep 2024 14:29
Operator : MA/JU
Sample : P2403-03
Misc : MDL-SOIL-8 ng
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Quant Time: Sep 05 16:12:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration



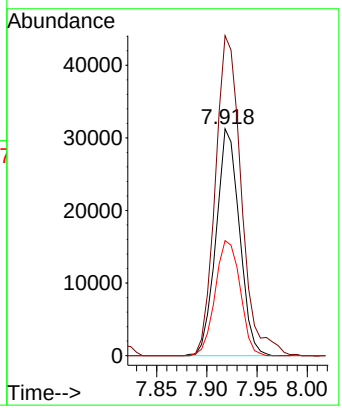


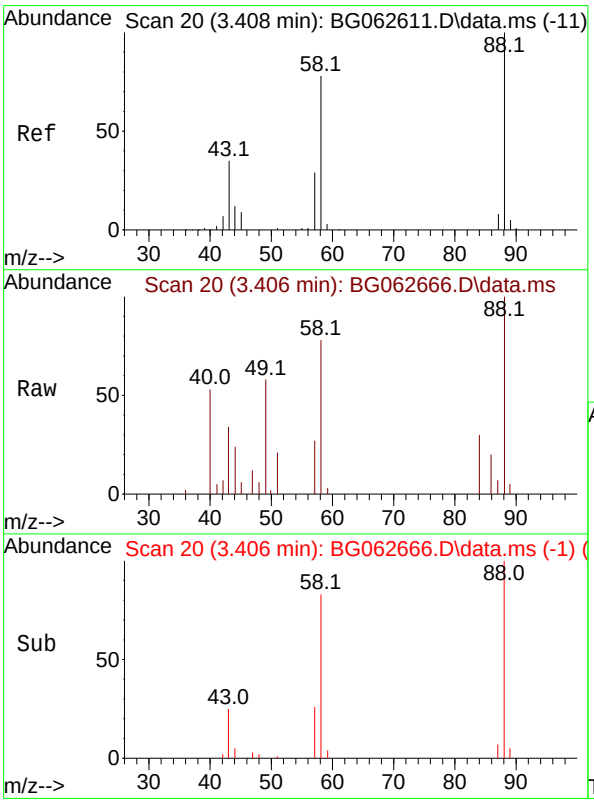
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.918 min Scan# 78
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:152 Resp: 50572

Ion	Ratio	Lower	Upper
152	100		
150	141.1	119.9	179.9
115	50.7	46.6	69.8

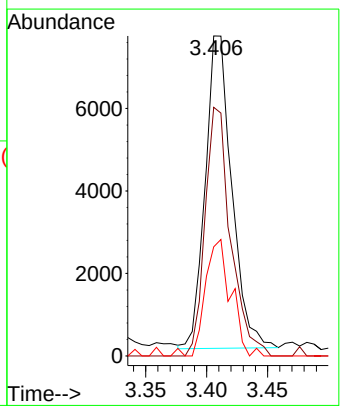


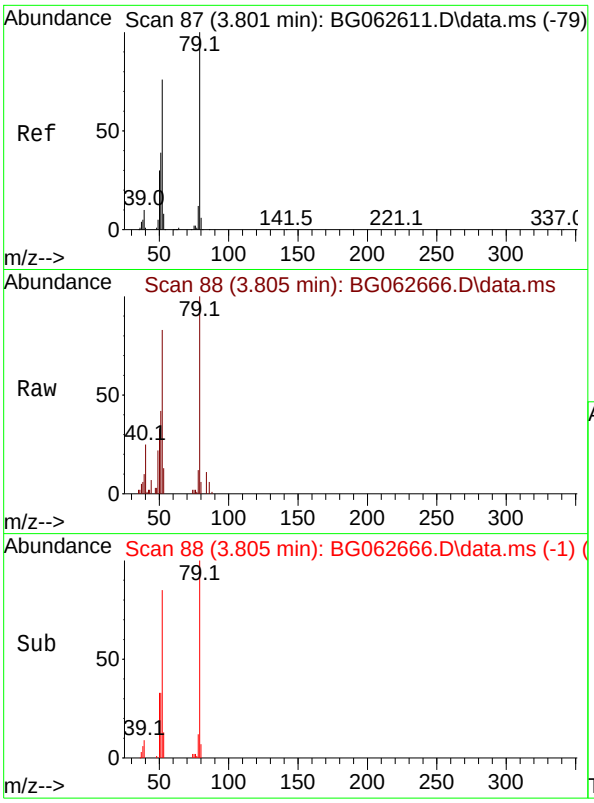


#2
1,4-Dioxane
Concen: 9.421 ng
RT: 3.406 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 88 Resp: 11482

Ion	Ratio	Lower	Upper
88	100		
58	76.6	62.3	93.5
43	35.9	27.5	41.3



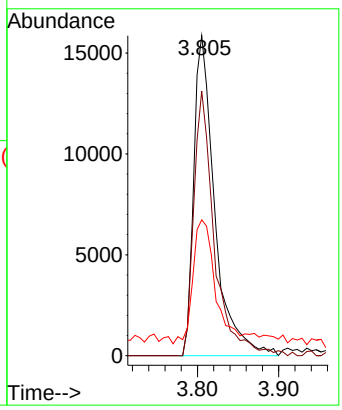


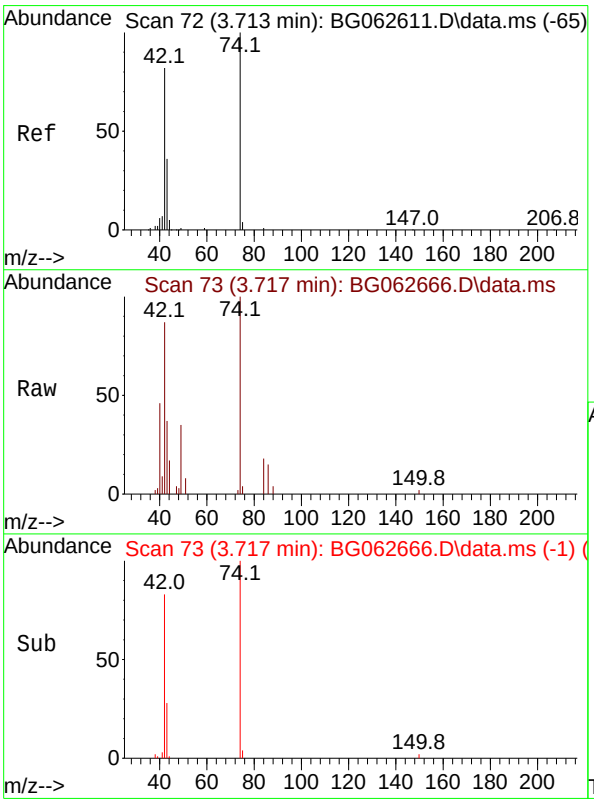
#3
Pyridine
Concen: 8.118 ng
RT: 3.805 min Scan# 8
Delta R.T. 0.004 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 79 Resp: 28507

Ion	Ratio	Lower	Upper
79	100		
52	82.7	60.9	91.3
51	42.5	31.5	47.3

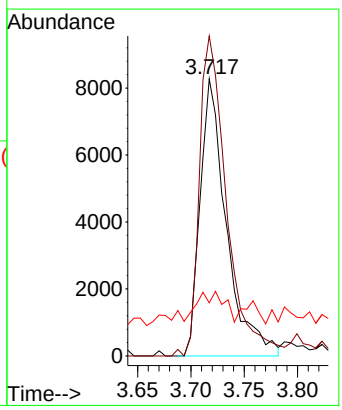


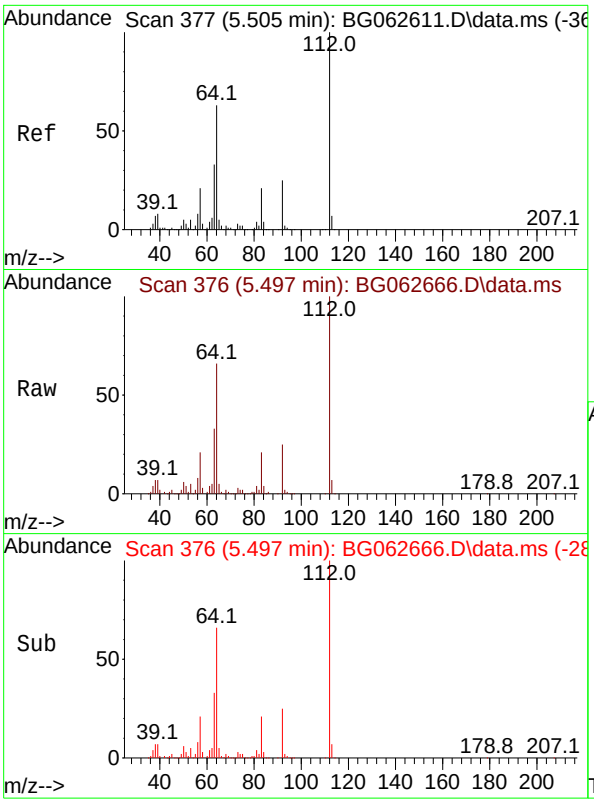


#4
n-Nitrosodimethylamine
Concen: 8.338 ng
RT: 3.717 min Scan# 73
Delta R.T. 0.004 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 42 Resp: 14235

Ion	Ratio	Lower	Upper
42	100		
74	115.5	98.0	147.0
44	19.2	7.4	11.2#



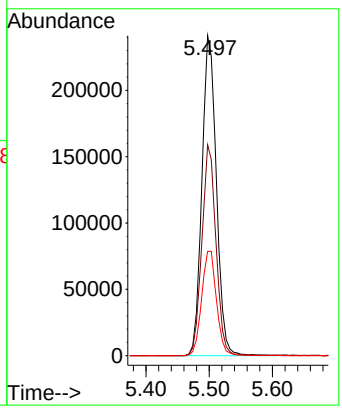


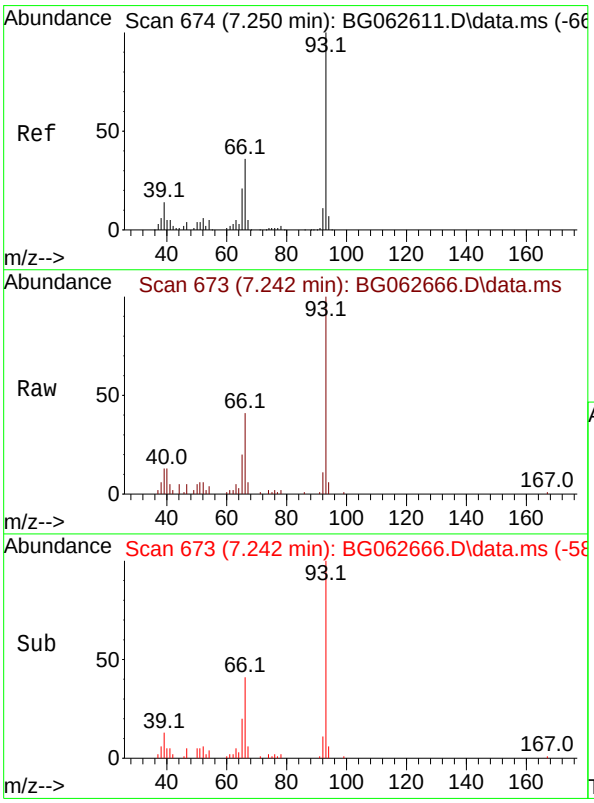
#5
2-Fluorophenol
Concen: 130.706 ng
RT: 5.497 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 382408

Ion	Ratio	Lower	Upper
112	100		
64	65.9	50.2	75.2
63	32.6	26.6	39.8

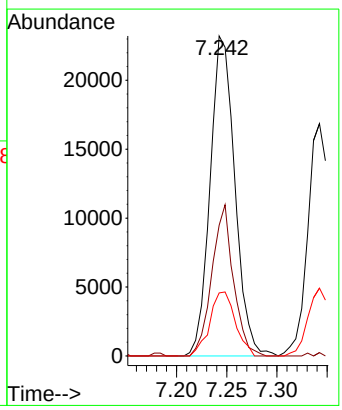


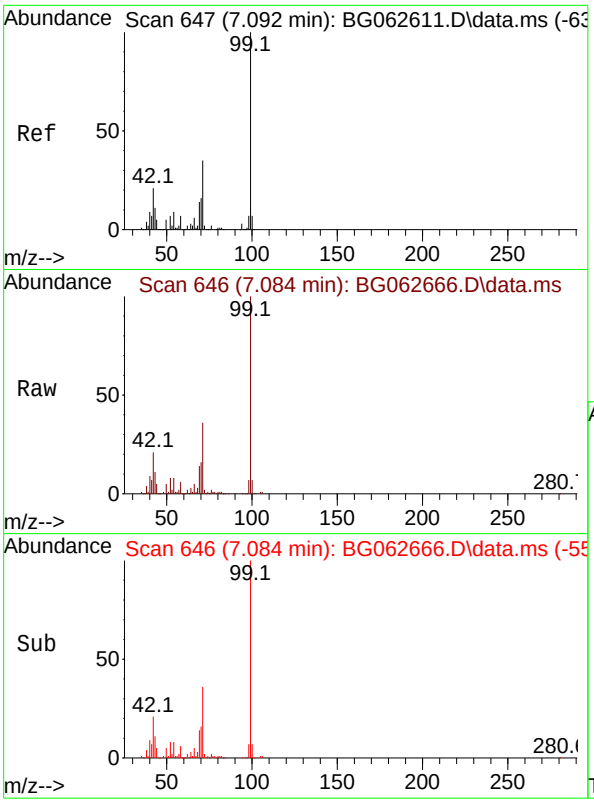


#6
Aniline
Concen: 10.093 ng
RT: 7.242 min Scan# 673
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 93 Resp: 39854

Ion	Ratio	Lower	Upper
93	100		
66	40.8	29.1	43.7
65	19.7	16.6	25.0



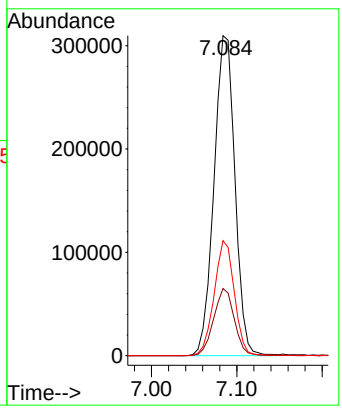


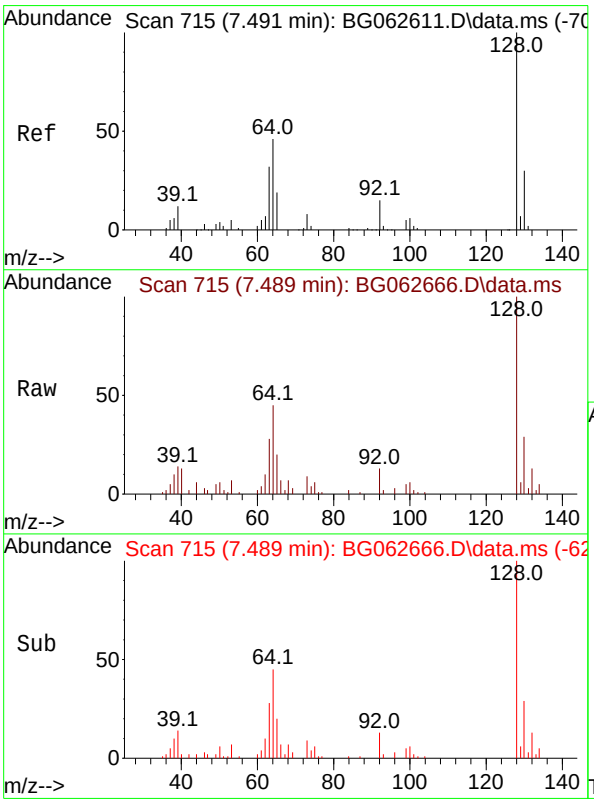
#7
Phenol-d6
Concen: 125.068 ng
RT: 7.084 min Scan# 6
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 99 Resp: 528613

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.9	25.3
71	35.9	27.9	41.9

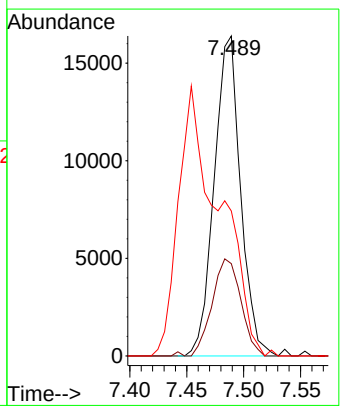


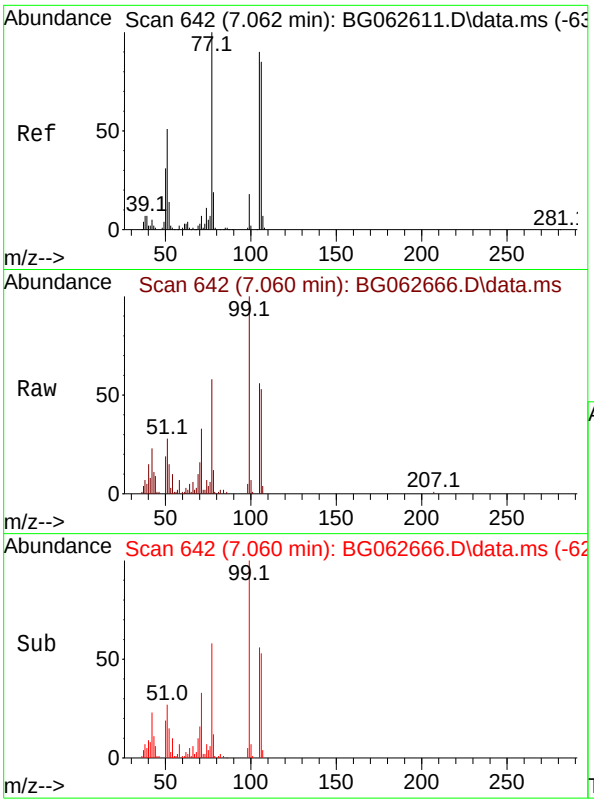


#8
2-Chlorophenol
Concen: 8.413 ng
RT: 7.489 min Scan# 715
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:128 Resp: 26427

Ion	Ratio	Lower	Upper
128	100		
130	28.9	10.0	50.0
64	45.3	28.8	68.8



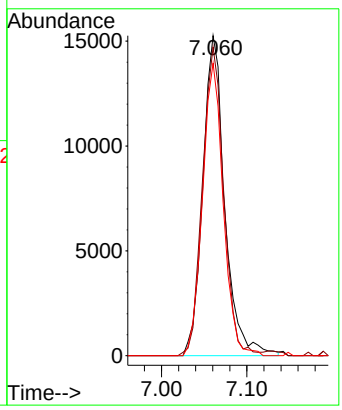


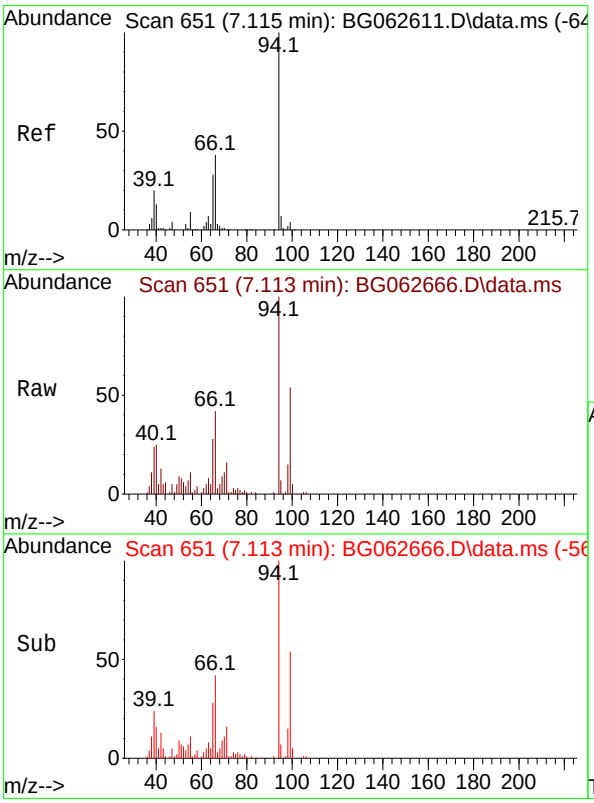
#9
Benzaldehyde
Concen: 11.041 ng
RT: 7.060 min Scan# 6
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 27146

Ion	Ratio	Lower	Upper
77	100		
105	96.4	70.2	110.2
106	91.4	65.4	105.4

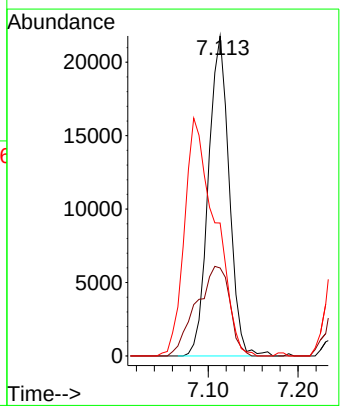


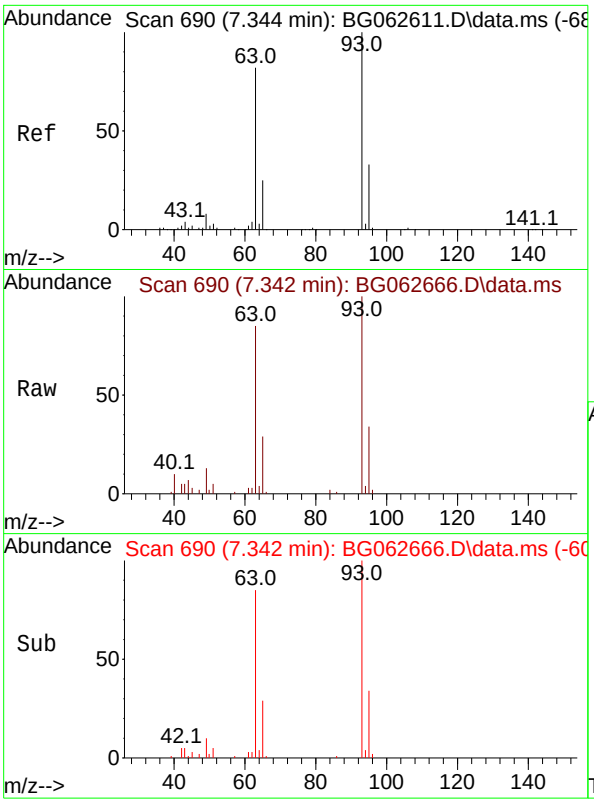


#10
Phenol
Concen: 8.180 ng
RT: 7.113 min Scan# 651
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 94 Resp: 35002

Ion	Ratio	Lower	Upper
94	100		
65	27.5	8.6	48.6
66	41.5	18.2	58.2



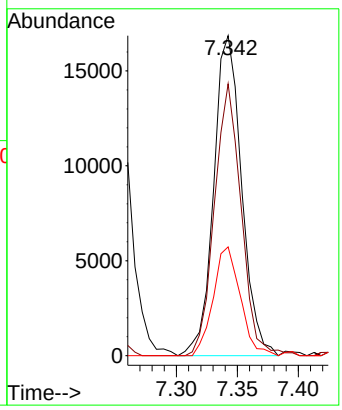


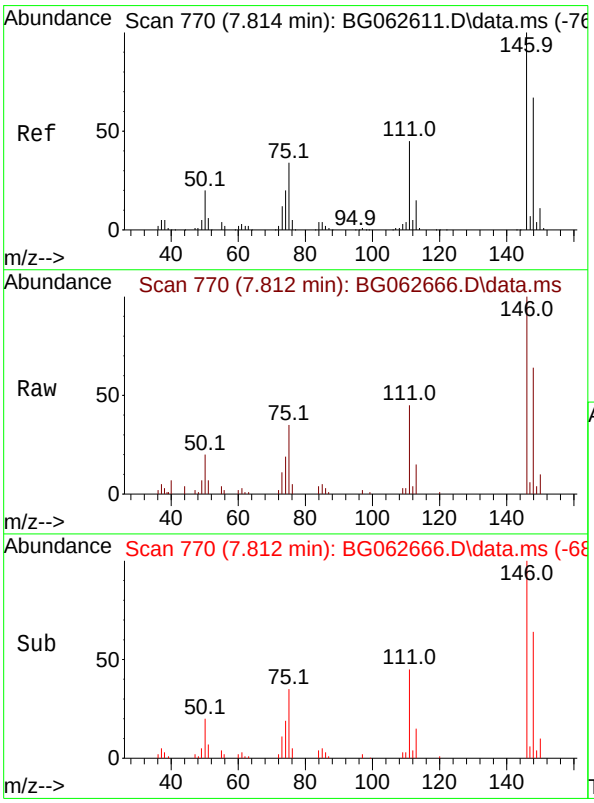
#11
bis(2-Chloroethyl)ether
Concen: 8.210 ng
RT: 7.342 min Scan# 6
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 93 Resp: 26896

Ion	Ratio	Lower	Upper
93	100		
63	84.9	61.9	101.9
95	34.0	12.9	52.9

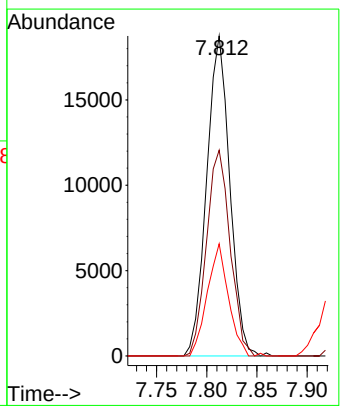


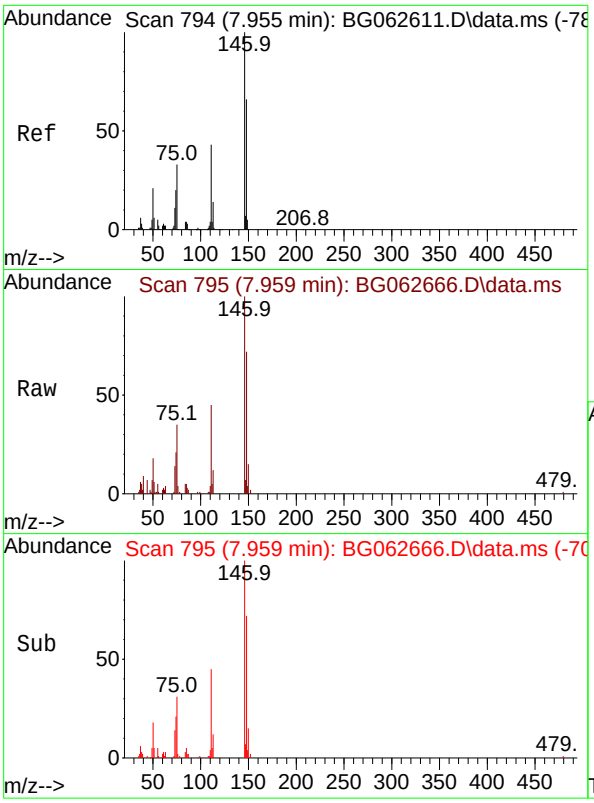


#12
1,3-Dichlorobenzene
Concen: 8.729 ng
RT: 7.812 min Scan# 770
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:146 Resp: 30089

Ion	Ratio	Lower	Upper
146	100		
148	64.3	53.9	80.9
75	35.1	27.0	40.4



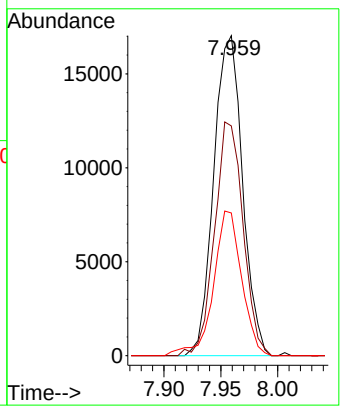


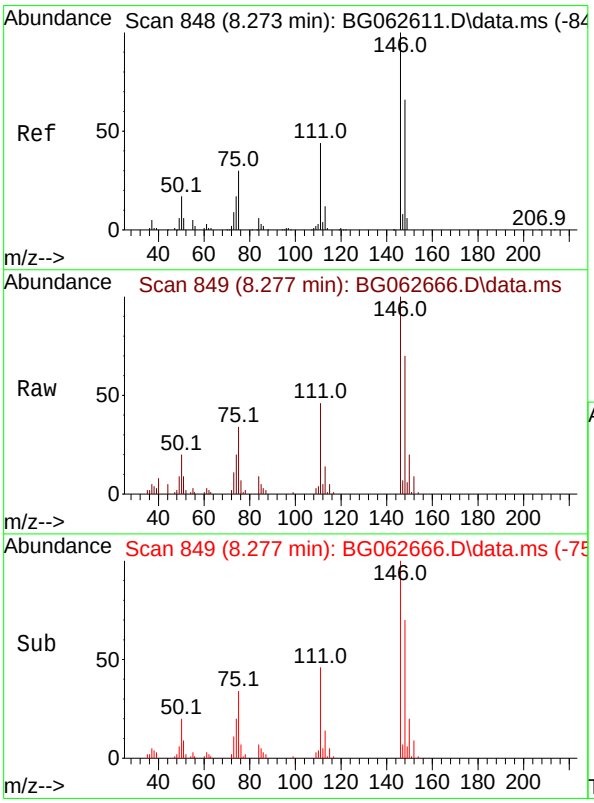
#13
1,4-Dichlorobenzene
Concen: 8.453 ng
RT: 7.959 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:146 Resp: 29987

Ion	Ratio	Lower	Upper
146	100		
148	71.8	53.0	79.6
111	44.6	34.9	52.3

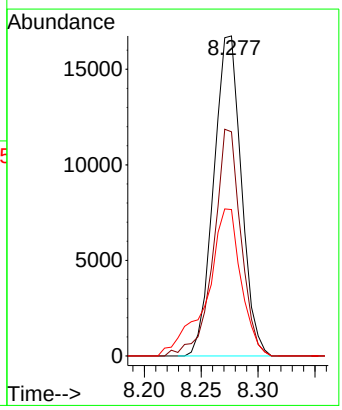


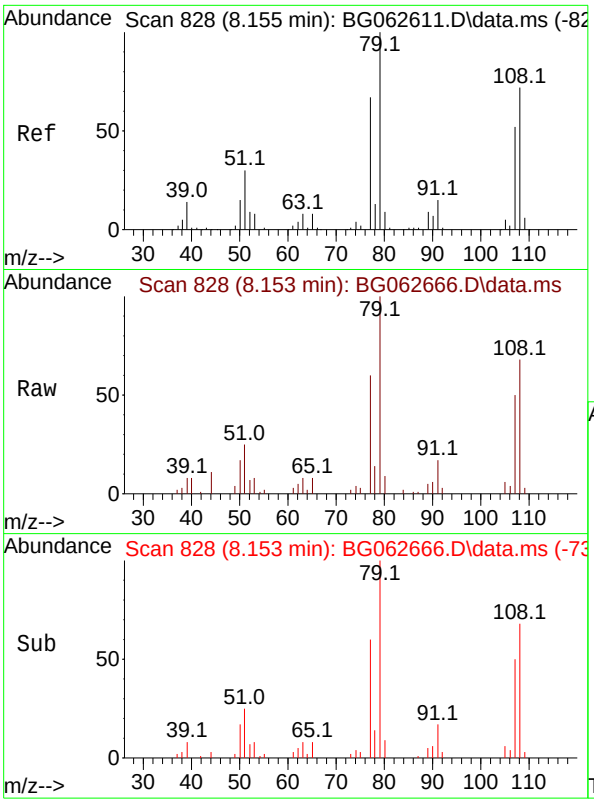


#14
1,2-Dichlorobenzene
Concen: 8.117 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.004 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:146 Resp: 28303

Ion	Ratio	Lower	Upper
146	100		
148	70.1	52.5	78.7
111	45.7	35.5	53.3



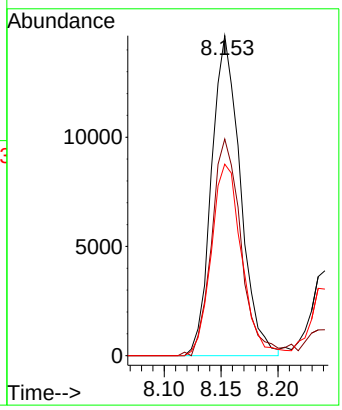


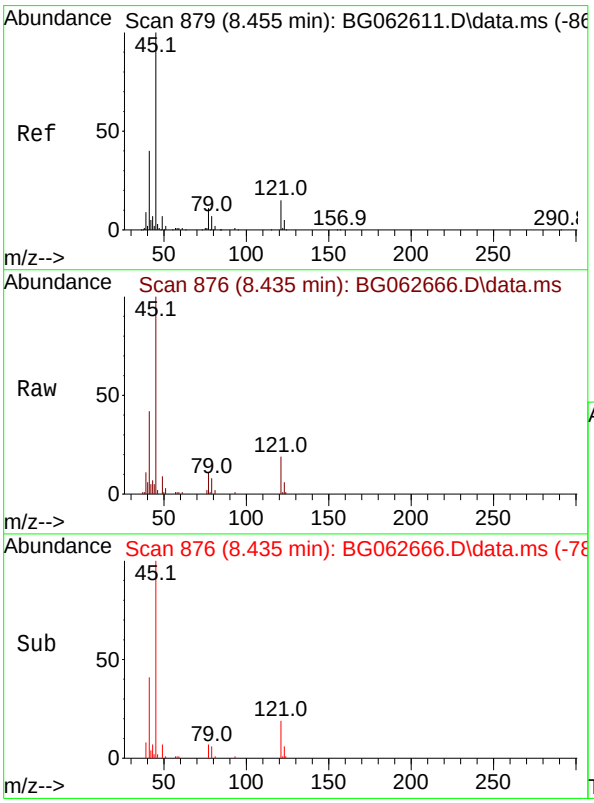
#15
Benzyl Alcohol
Concen: 8.249 ng
RT: 8.153 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 79 Resp: 25797

Ion	Ratio	Lower	Upper
79	100		
108	67.7	57.9	86.9
77	59.8	53.4	80.2

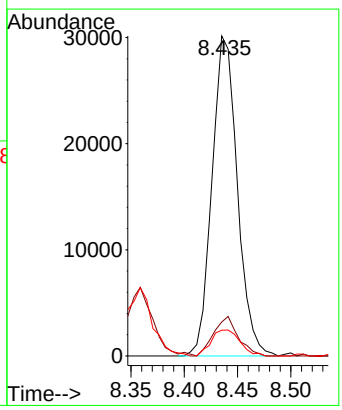


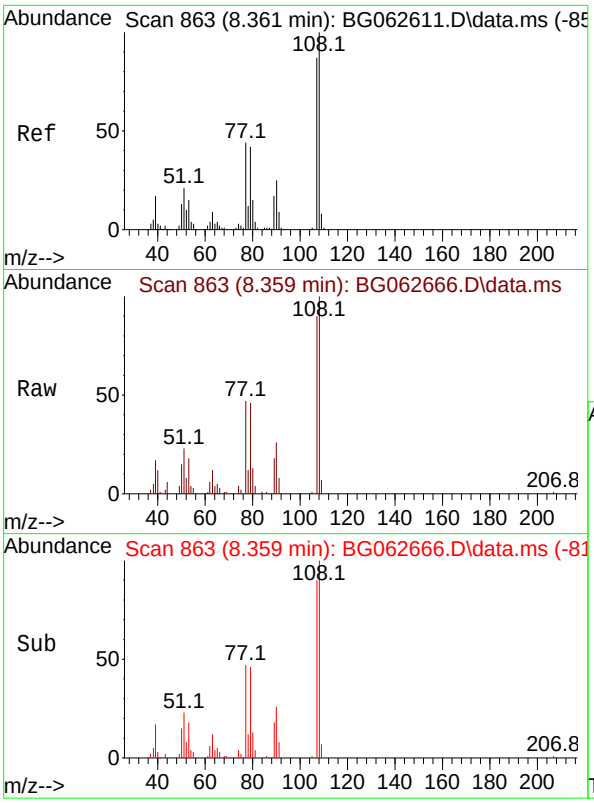


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.973 ng
RT: 8.435 min Scan# 876
Delta R.T. -0.020 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 45 Resp: 49781

Ion	Ratio	Lower	Upper
45	100		
77	10.6	0.0	31.7
79	8.1	0.0	28.3



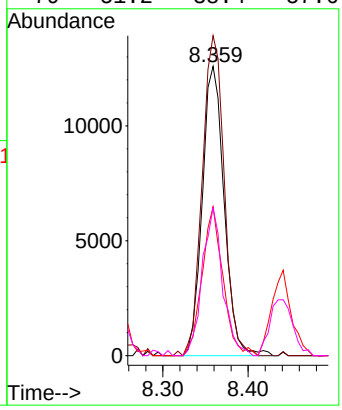


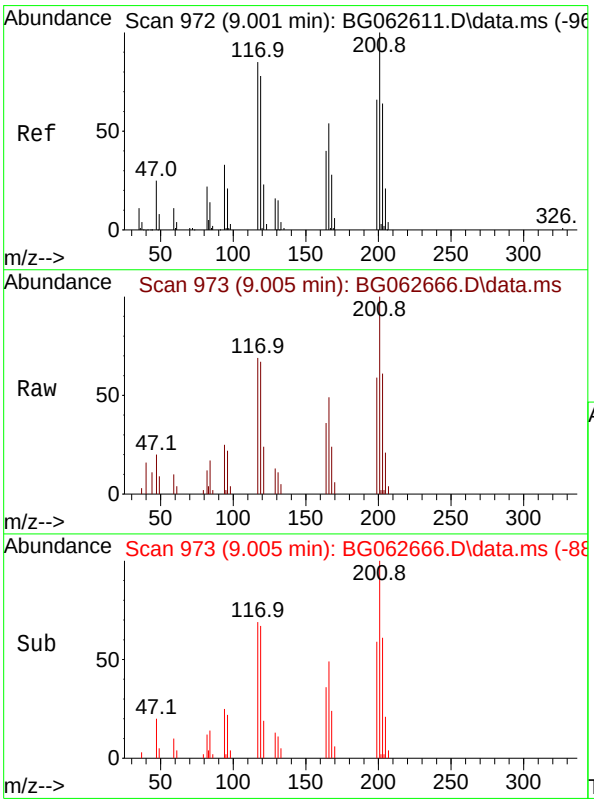
#17
2-Methylphenol
Concen: 7.525 ng
RT: 8.359 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 22444

Ion	Ratio	Lower	Upper
107	100		
108	110.6	91.5	137.3
77	51.4	40.0	60.0
79	51.2	38.4	57.6

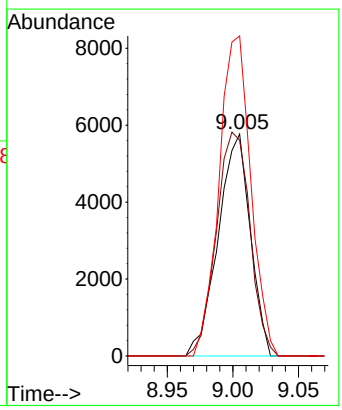


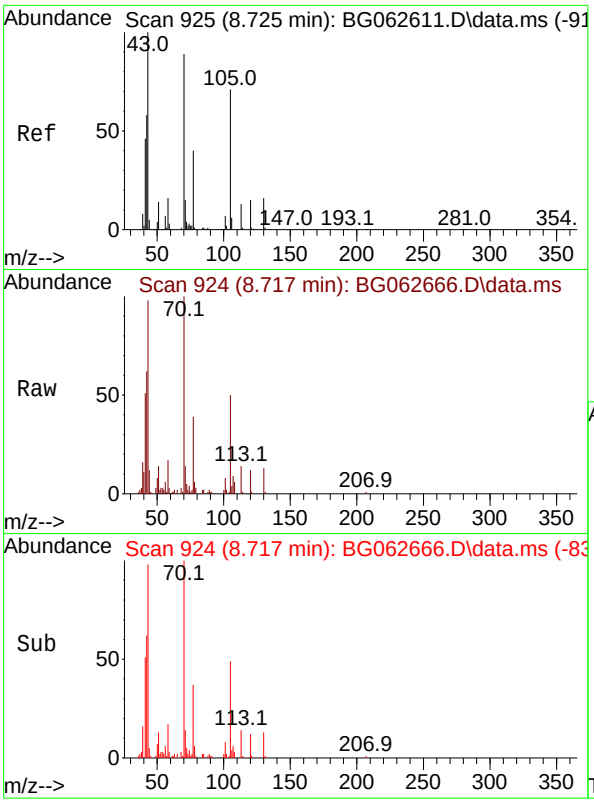


#18
Hexachloroethane
Concen: 7.371 ng
RT: 9.005 min Scan# 973
Delta R.T. 0.004 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:117 Resp: 9804

Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.4	110.0
201	146.9	93.9	140.9#



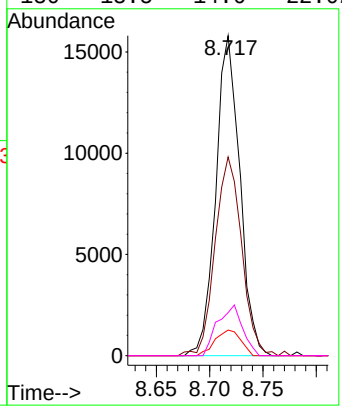


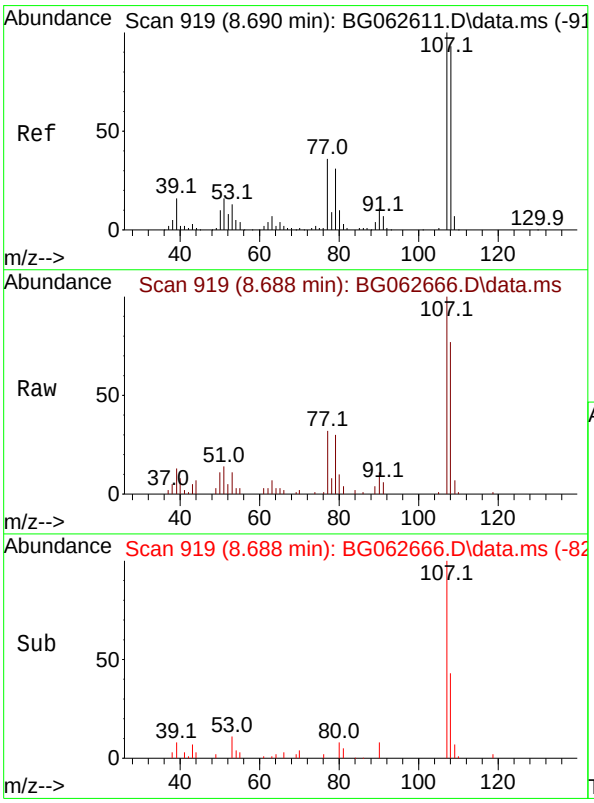
#19
n-Nitroso-di-n-propylamine
Concen: 7.417 ng
RT: 8.717 min Scan# 9
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 70 Resp: 24701

Ion	Ratio	Lower	Upper
70	100		
42	62.1	52.3	78.5
101	8.0	6.6	9.8
130	13.5	14.6	22.0#

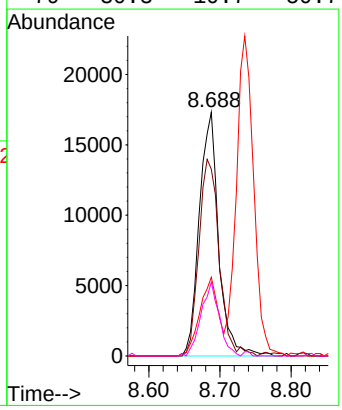


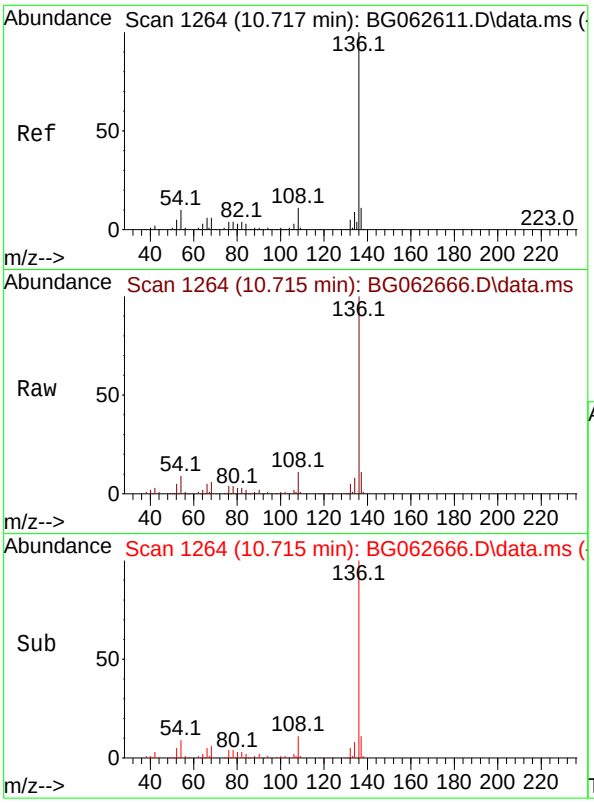


#20
3+4-Methylphenols
Concen: 7.439 ng
RT: 8.688 min Scan# 919
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:107 Resp: 32733

Ion	Ratio	Lower	Upper
107	100		
108	76.6	72.7	112.7
77	32.3	16.5	56.5
79	30.3	10.7	50.7



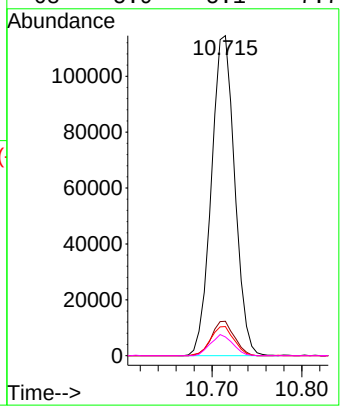


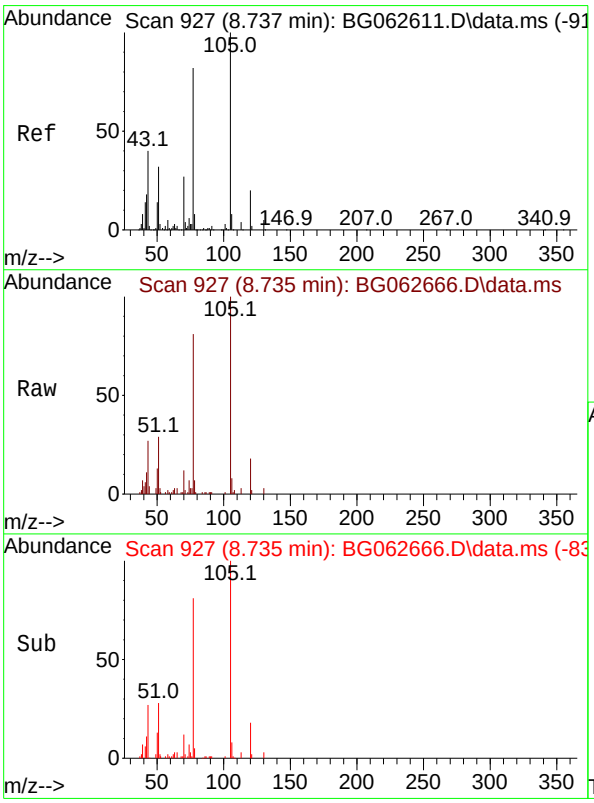
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.715 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:136 Resp: 206510

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.1	7.8	11.6
68	5.9	5.1	7.7

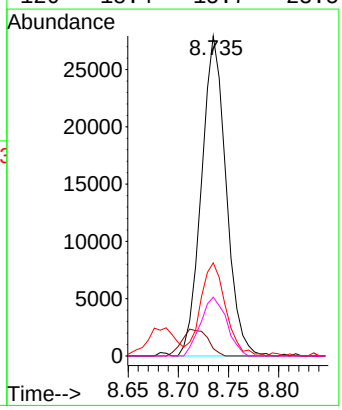


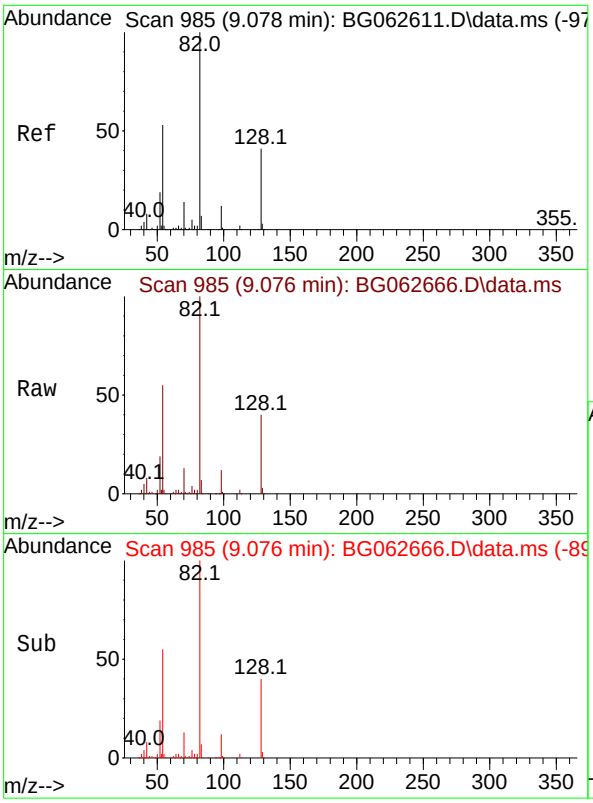


#22
Acetophenone
Concen: 8.554 ng
RT: 8.735 min Scan# 927
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:105 Resp: 47657

Ion	Ratio	Lower	Upper
105	100		
71	2.3	3.5	5.3#
51	29.1	25.7	38.5
120	18.4	15.7	23.5



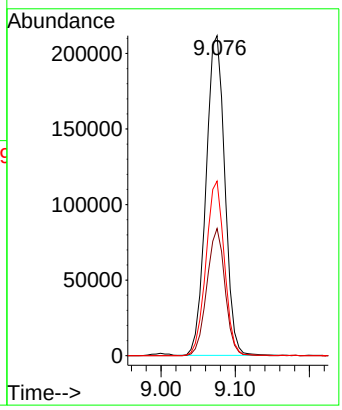


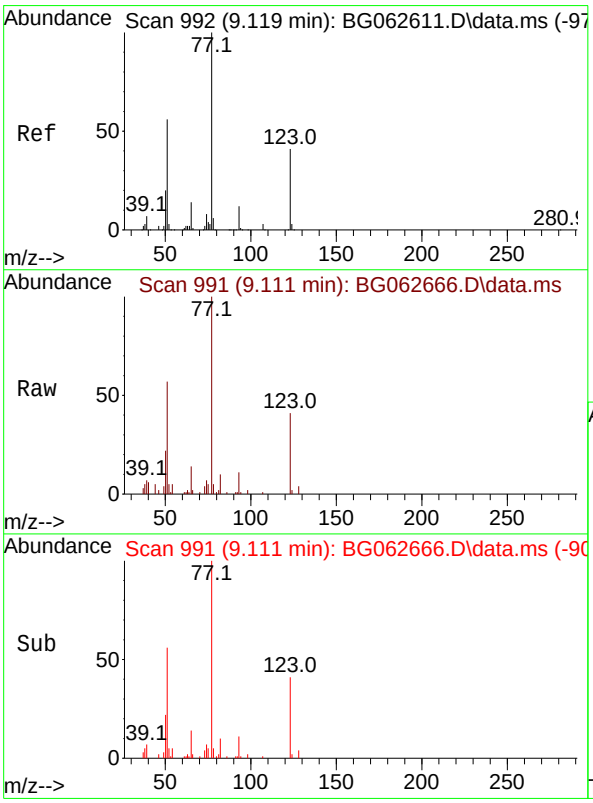
#23
Nitrobenzene-d5
Concen: 97.075 ng
RT: 9.076 min Scan# 9
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 372232

Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.5	48.7
54	54.5	42.5	63.7

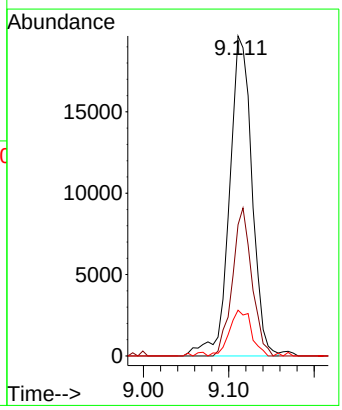


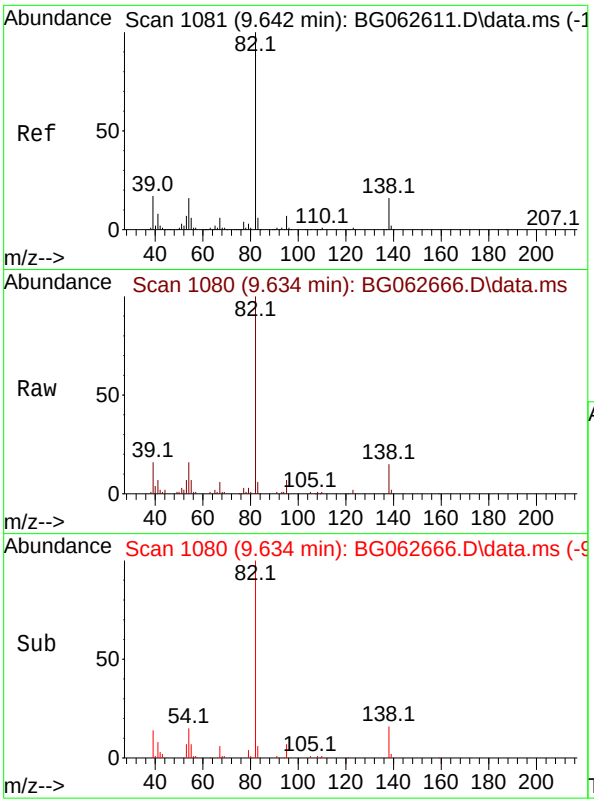


#24
Nitrobenzene
Concen: 8.821 ng
RT: 9.111 min Scan# 991
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 77 Resp: 35965

Ion	Ratio	Lower	Upper
77	100		
123	41.0	33.1	49.7
65	14.3	11.0	16.4



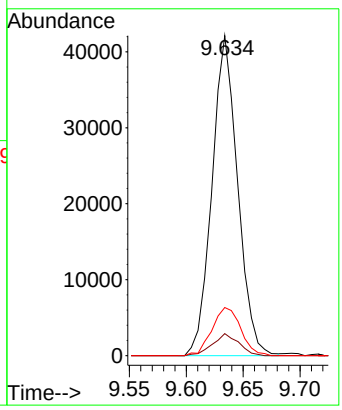


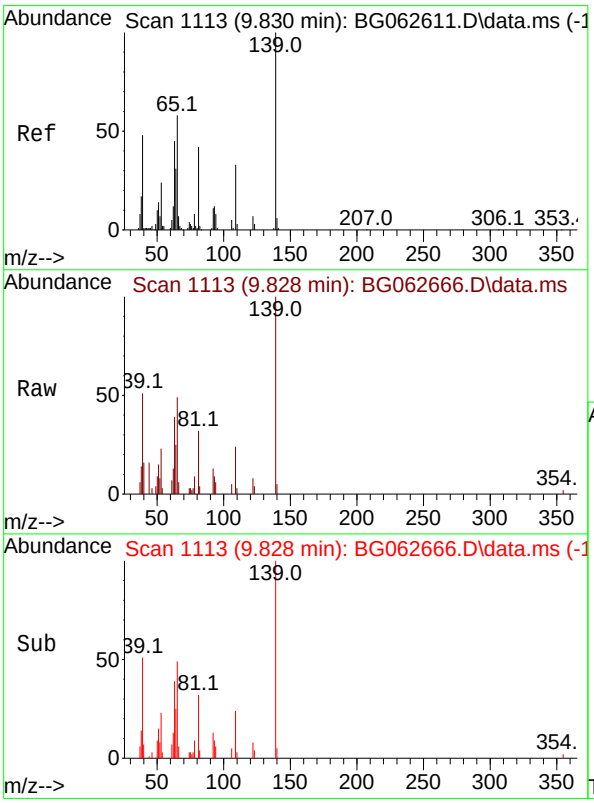
#25
Isophorone
Concen: 7.861 ng
RT: 9.634 min Scan# 1(
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 66165

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.0
138	15.1	12.6	18.8

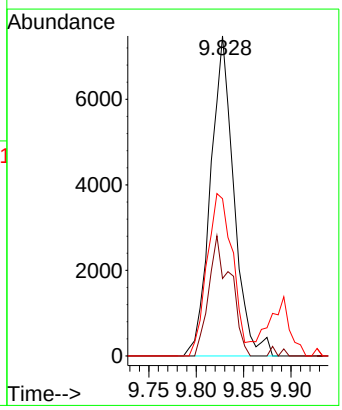


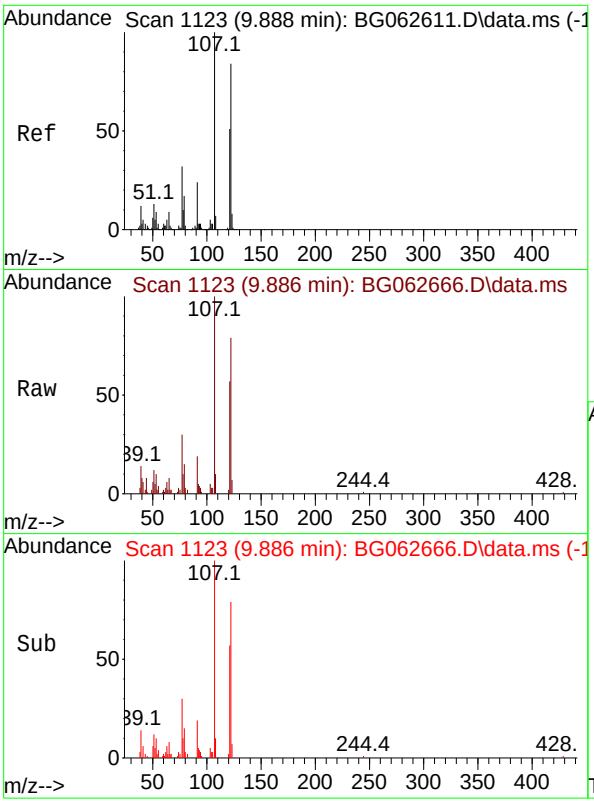


#26
2-Nitrophenol
Concen: 8.325 ng
RT: 9.828 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:139 Resp: 12824

Ion	Ratio	Lower	Upper
139	100		
109	24.2	26.6	39.8#
65	49.2	46.5	69.7



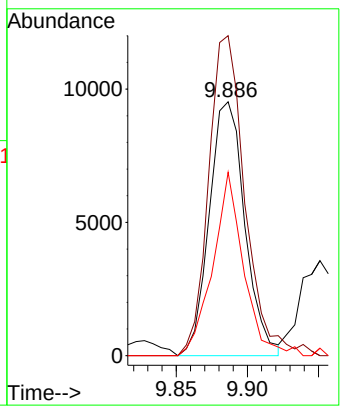


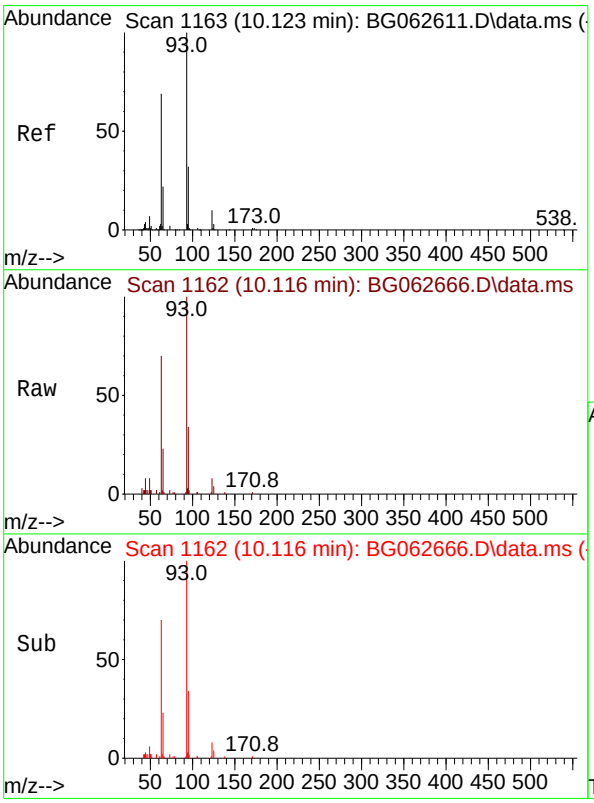
#27
2,4-Dimethylphenol
Concen: 7.347 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:122 Resp: 16584

Ion	Ratio	Lower	Upper
122	100		
107	126.0	95.8	143.6
121	72.2	48.6	72.8

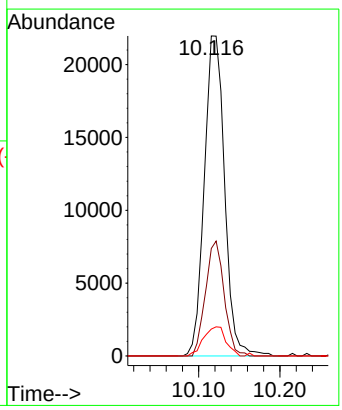


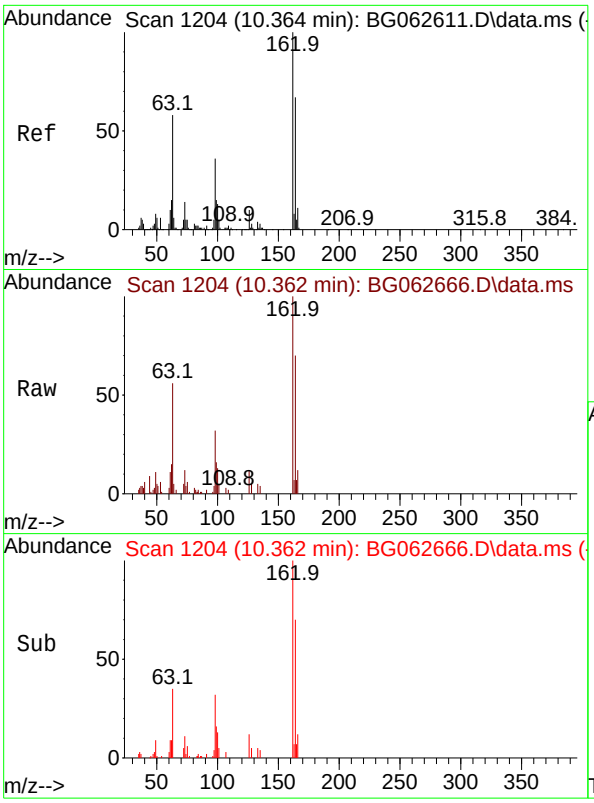


#28
bis(2-Chloroethoxy)methane
Concen: 8.452 ng
RT: 10.116 min Scan# 1162
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 93 Resp: 38086

Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.4	38.0
123	8.4	7.9	11.9



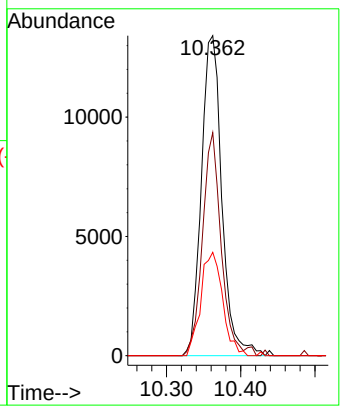


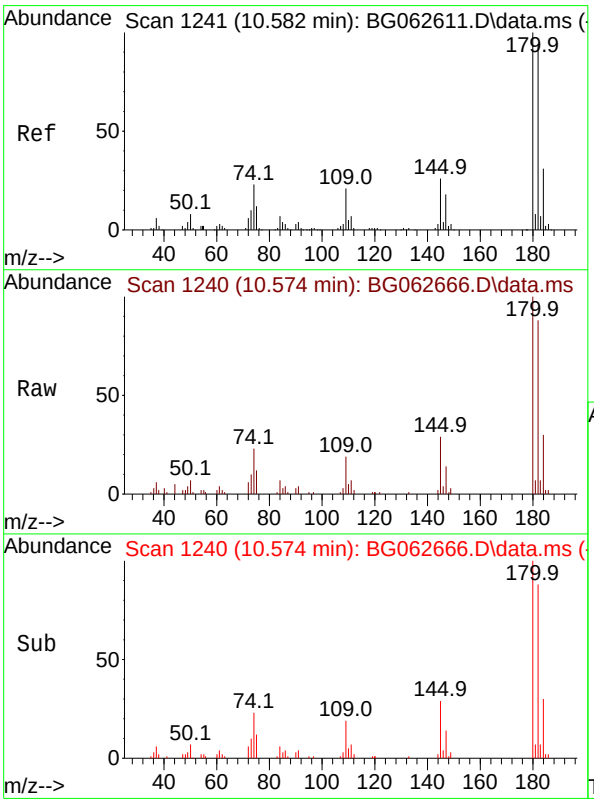
#29
2,4-Dichlorophenol
Concen: 8.181 ng
RT: 10.362 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:162 Resp: 25820

Ion	Ratio	Lower	Upper
162	100		
164	69.7	46.8	86.8
98	32.3	16.4	56.4

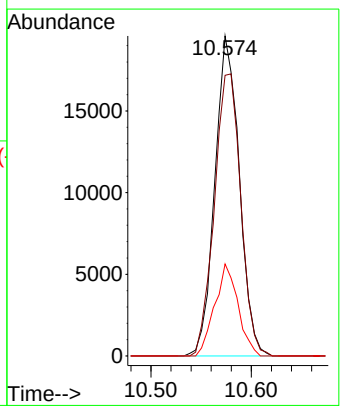


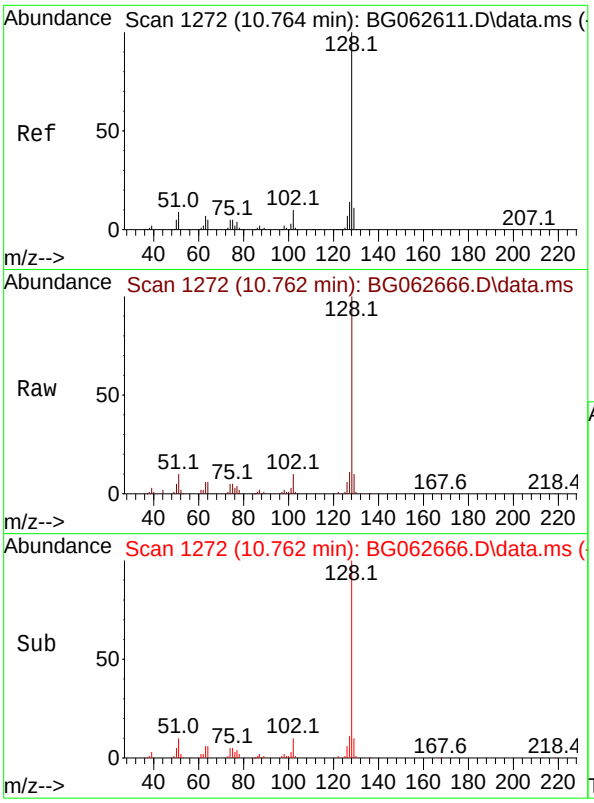


#30
1,2,4-Trichlorobenzene
Concen: 8.854 ng
RT: 10.574 min Scan# 1240
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:180 Resp: 33126

Ion	Ratio	Lower	Upper
180	100		
182	87.7	75.1	112.7
145	28.8	20.8	31.2



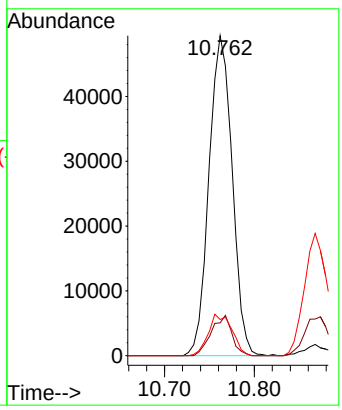


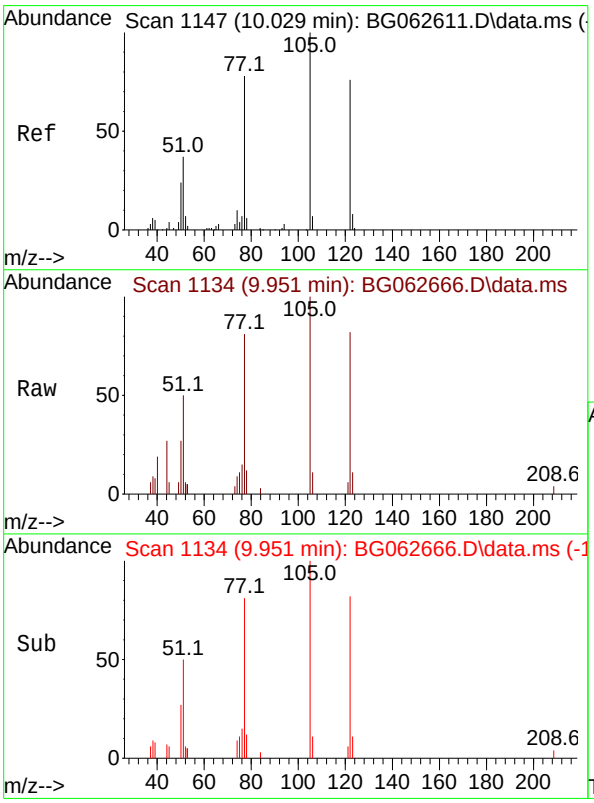
#31
Naphthalene
Concen: 8.660 ng
RT: 10.762 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:128 Resp: 88637

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	11.3	11.3	16.9

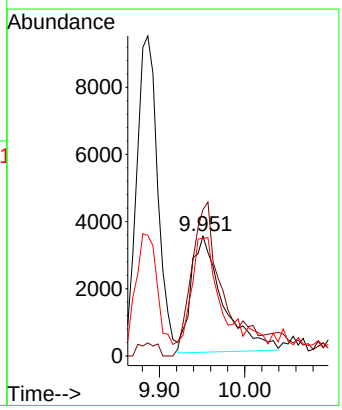


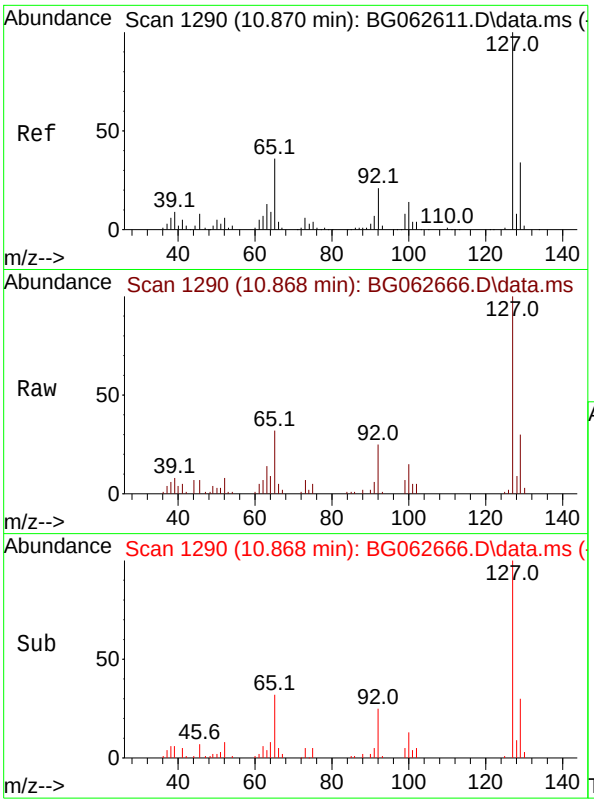


#32
Benzoic acid
Concen: 3.695 ng
RT: 9.951 min Scan# 1134
Delta R.T. -0.078 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:122 Resp: 8970

Ion	Ratio	Lower	Upper
122	100		
105	122.3	105.7	145.7
77	98.6	79.9	119.9



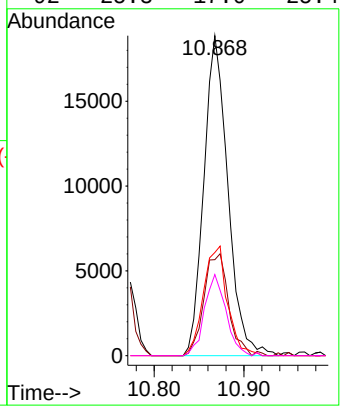


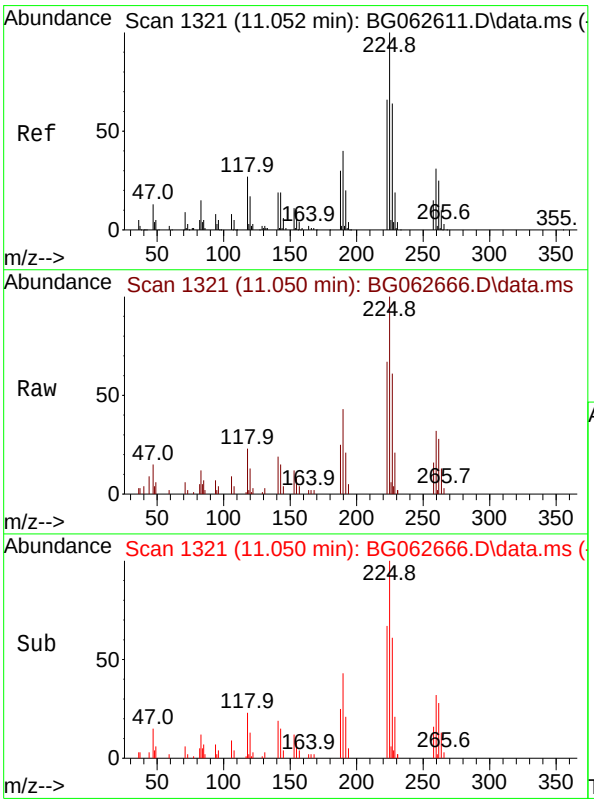
#33
4-Chloroaniline
Concen: 8.704 ng
RT: 10.868 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:127 Resp: 35059

Ion	Ratio	Lower	Upper
127	100		
129	30.0	27.3	40.9
65	32.3	29.0	43.4
92	25.3	17.0	25.4

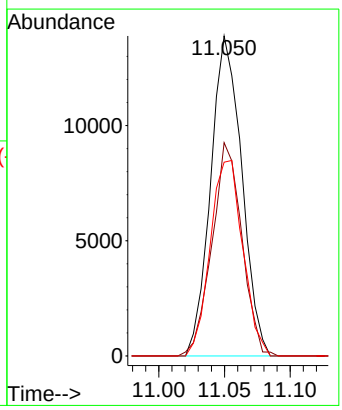


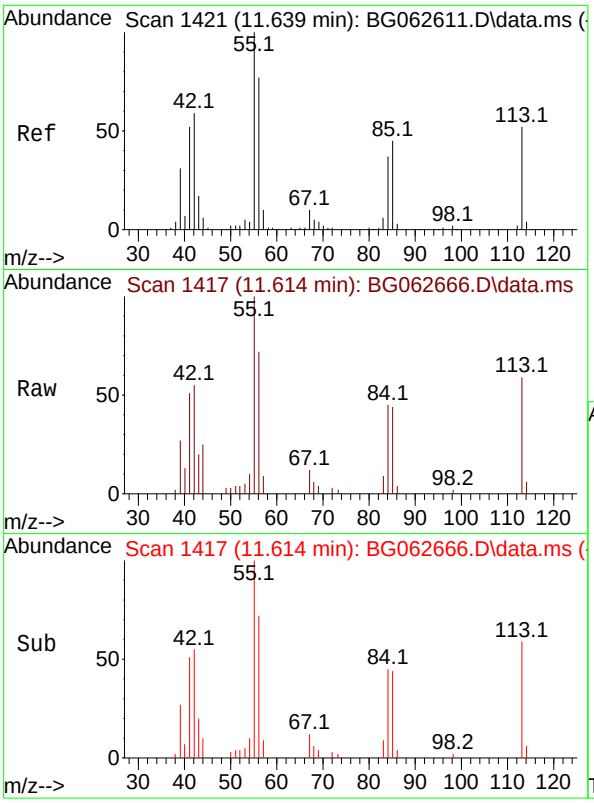


#34
Hexachlorobutadiene
Concen: 8.755 ng
RT: 11.050 min Scan# 1321
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:225 Resp: 22878

Ion	Ratio	Lower	Upper
225	100		
223	66.7	50.1	75.1
227	60.6	48.9	73.3



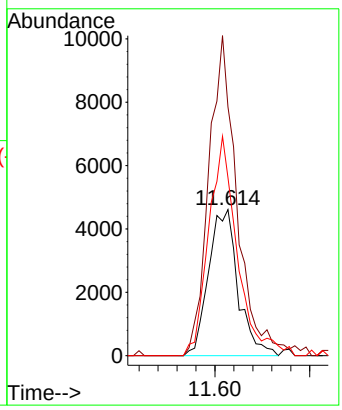


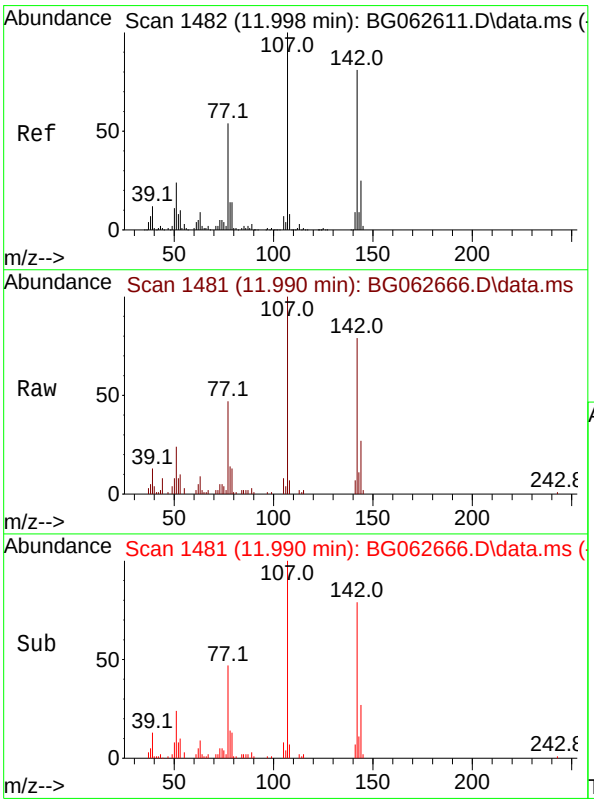
#35
Caprolactam
Concen: 8.187 ng
RT: 11.614 min Scan# 14
Delta R.T. -0.025 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:113 Resp: 9961

Ion	Ratio	Lower	Upper
113	100		
55	170.3	174.1	214.1#
56	121.8	129.8	169.8#

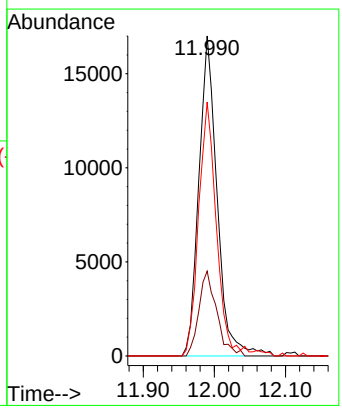


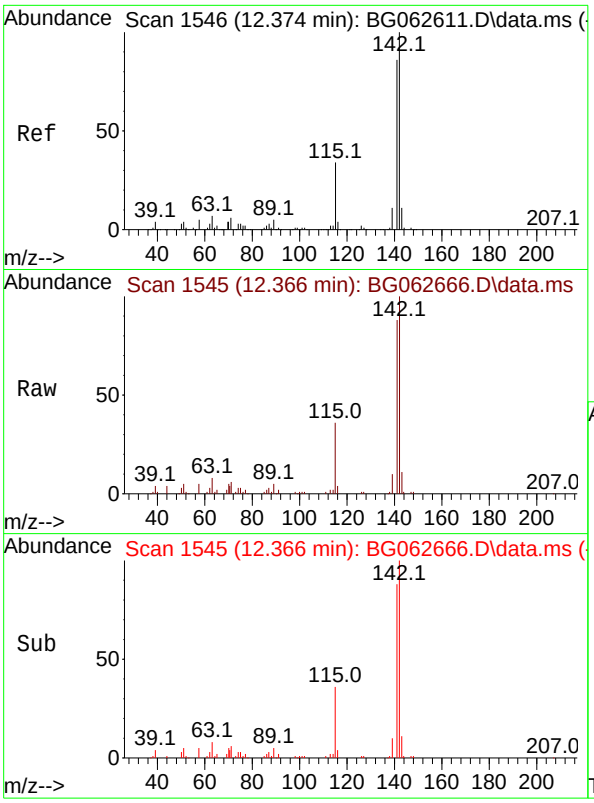


#36
4-Chloro-3-methylphenol
Concen: 7.988 ng
RT: 11.990 min Scan# 1481
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:107 Resp: 30408

Ion	Ratio	Lower	Upper
107	100		
144	26.5	19.8	29.8
142	79.4	64.7	97.1



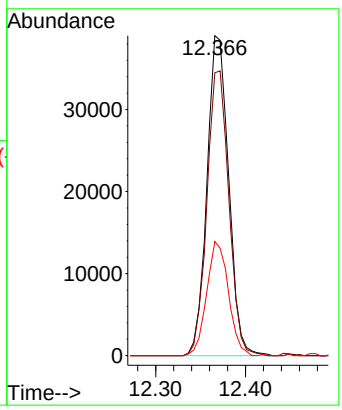


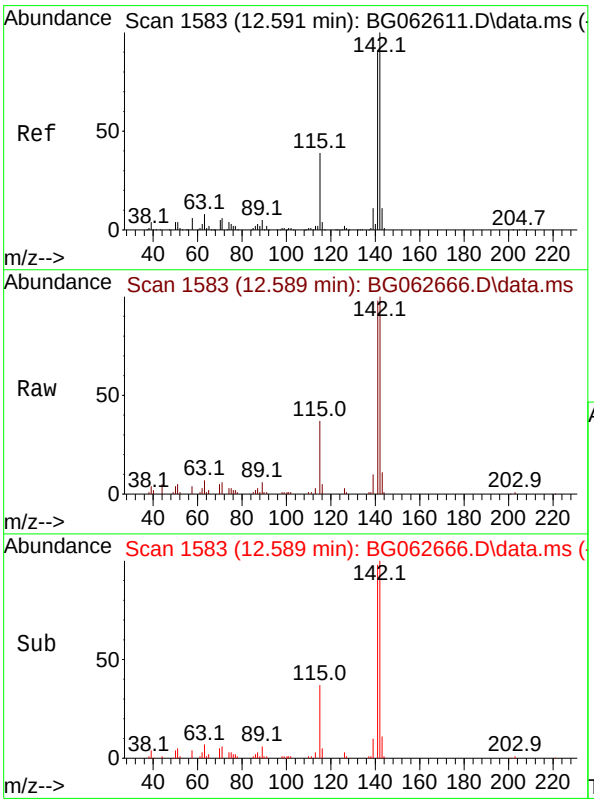
#37
2-Methylnaphthalene
Concen: 8.244 ng
RT: 12.366 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:142 Resp: 65451

Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.9	103.3
115	35.7	27.5	41.3

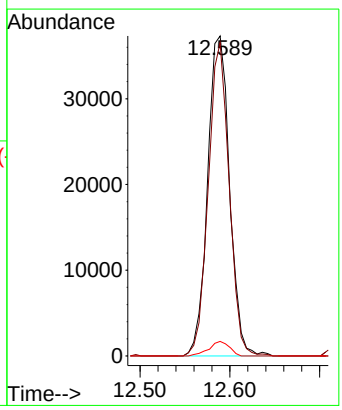


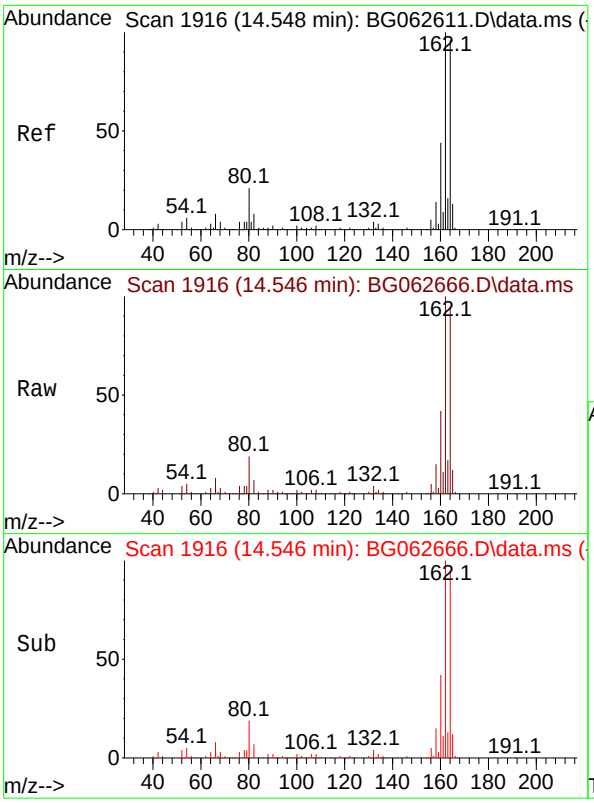


#38
1-Methylnaphthalene
Concen: 7.951 ng
RT: 12.589 min Scan# 1583
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:142 Resp: 63384

Ion	Ratio	Lower	Upper
142	100		
141	97.9	73.0	109.4
116	4.5	3.2	4.8



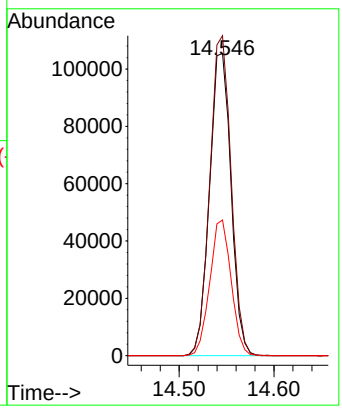


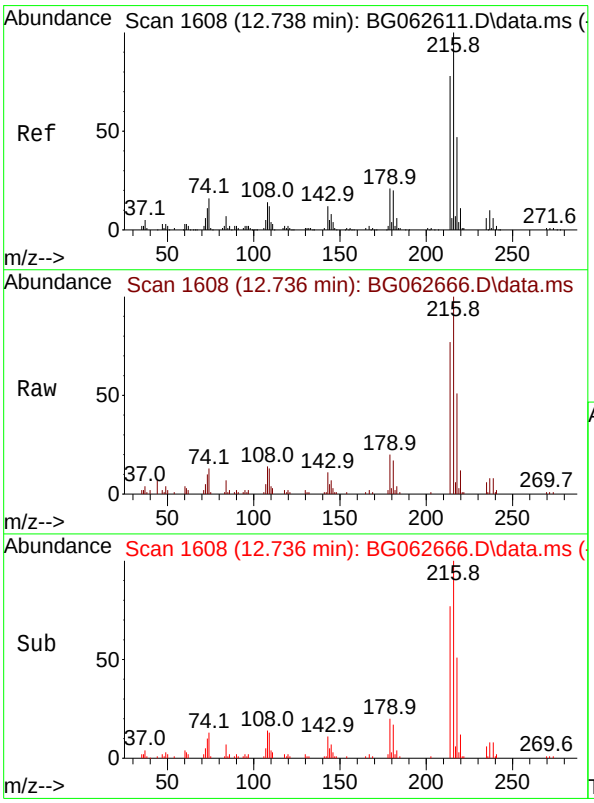
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.546 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:164 Resp: 165946

Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.1	124.7
160	44.9	36.2	54.4

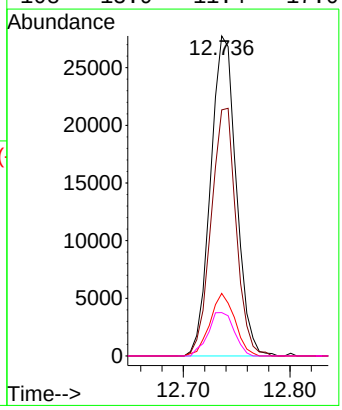


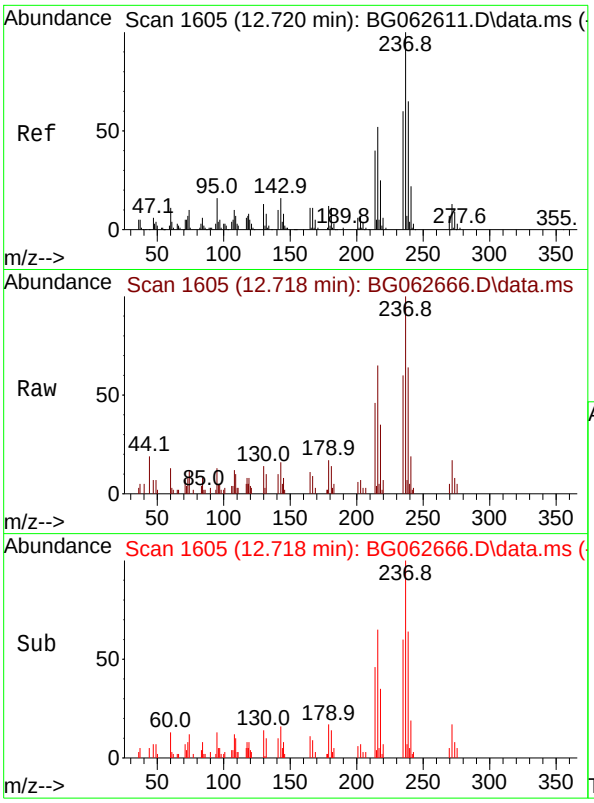


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.271 ng
RT: 12.736 min Scan# 1608
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:216 Resp: 46266

Ion	Ratio	Lower	Upper
216	100		
214	75.2	61.6	92.4
179	19.0	15.9	23.9
108	13.9	11.4	17.0



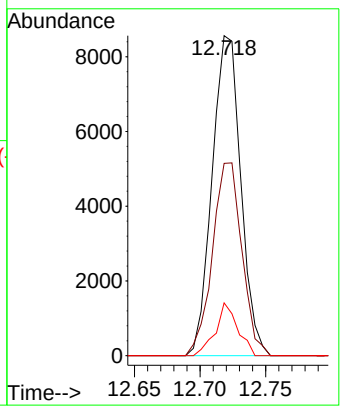


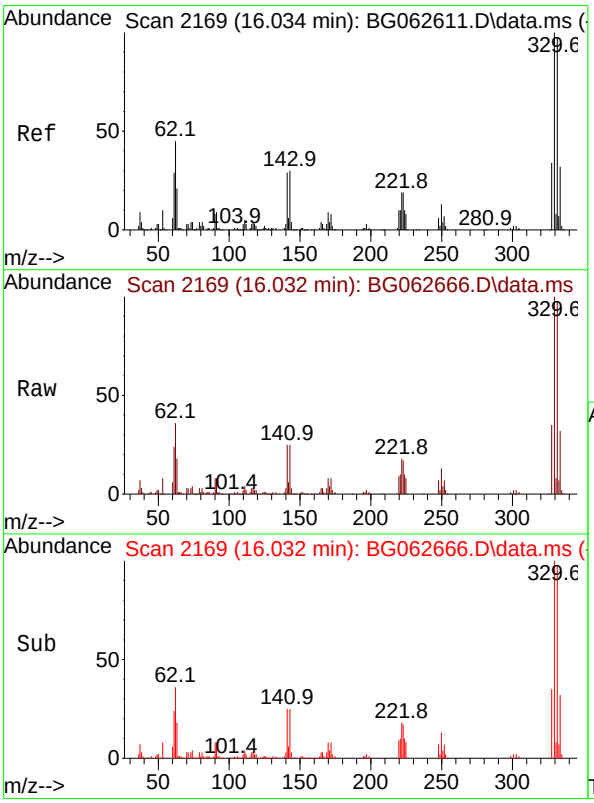
#41
Hexachlorocyclopentadiene
Concen: 9.136 ng
RT: 12.718 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:237 Resp: 13008

Ion	Ratio	Lower	Upper
237	100		
235	60.1	40.4	80.4
272	16.5	0.0	32.7

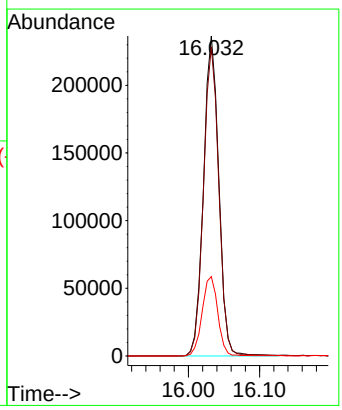


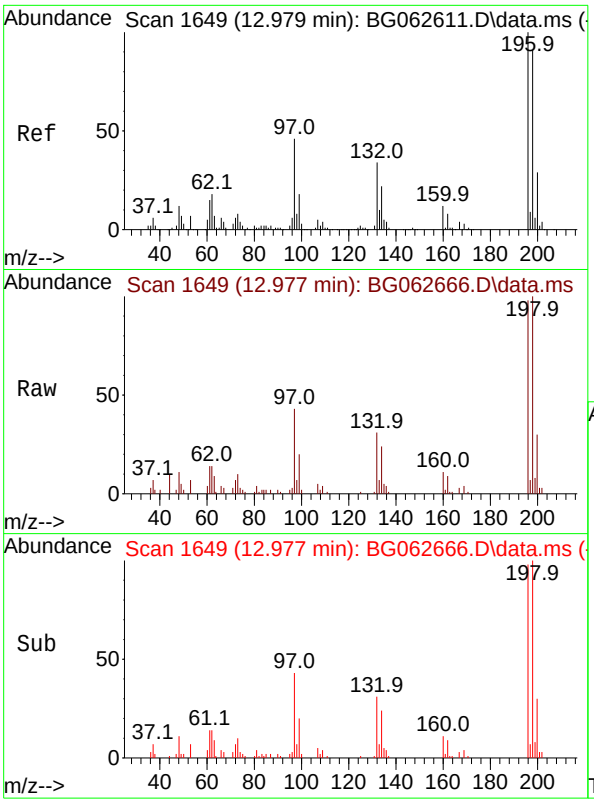


#42
2,4,6-Tribromophenol
Concen: 151.397 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:330 Resp: 353570

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	25.5	22.2	33.4



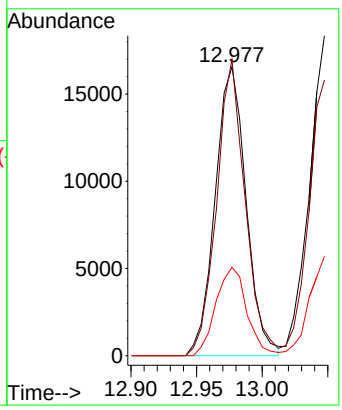


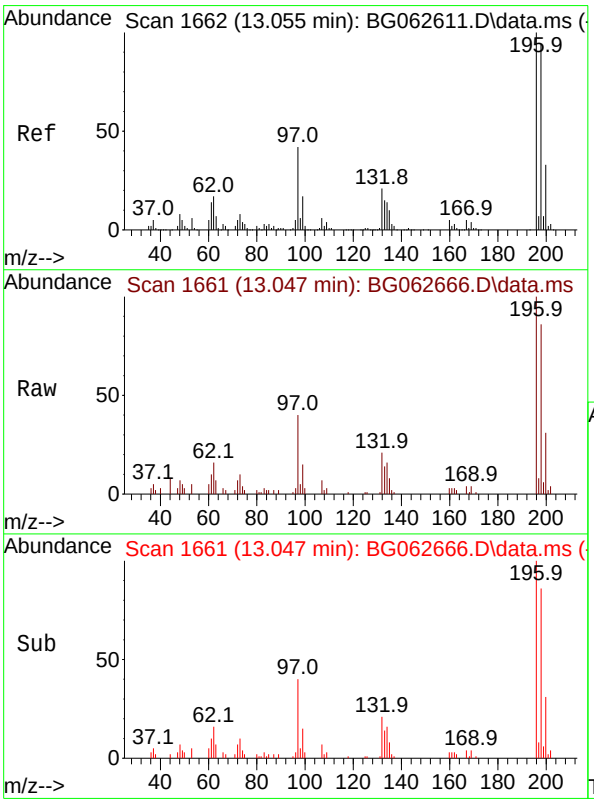
#43
2,4,6-Trichlorophenol
Concen: 8.567 ng
RT: 12.977 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:196 Resp: 27104

Ion	Ratio	Lower	Upper
196	100		
198	102.6	72.8	109.2
200	30.6	23.5	35.3

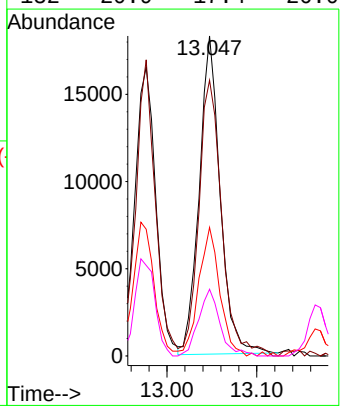


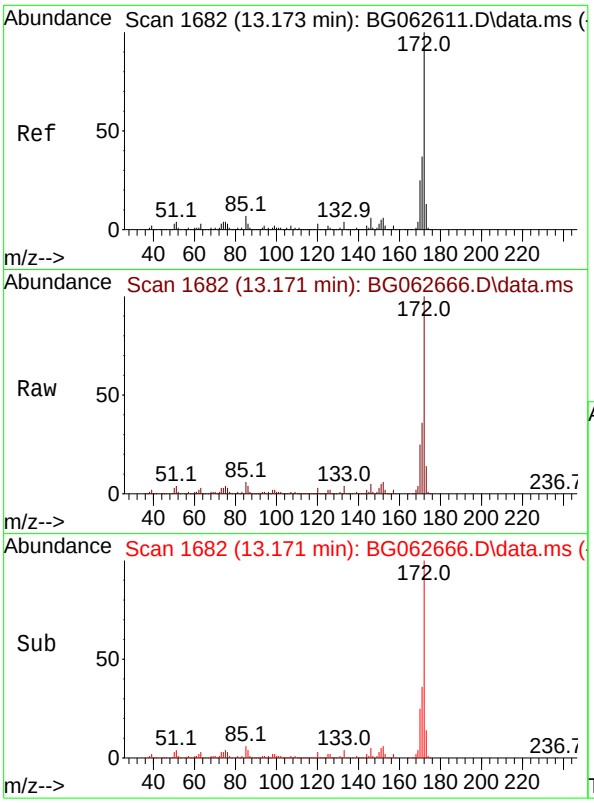


#44
2,4,5-Trichlorophenol
Concen: 8.266 ng
RT: 13.047 min Scan# 1661
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:196 Resp: 29616

Ion	Ratio	Lower	Upper
196	100		
198	86.2	75.5	113.3
97	40.2	34.1	51.1
132	20.9	17.4	26.0



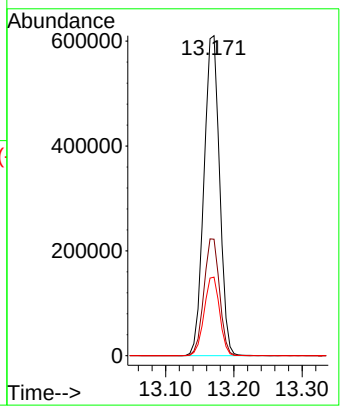


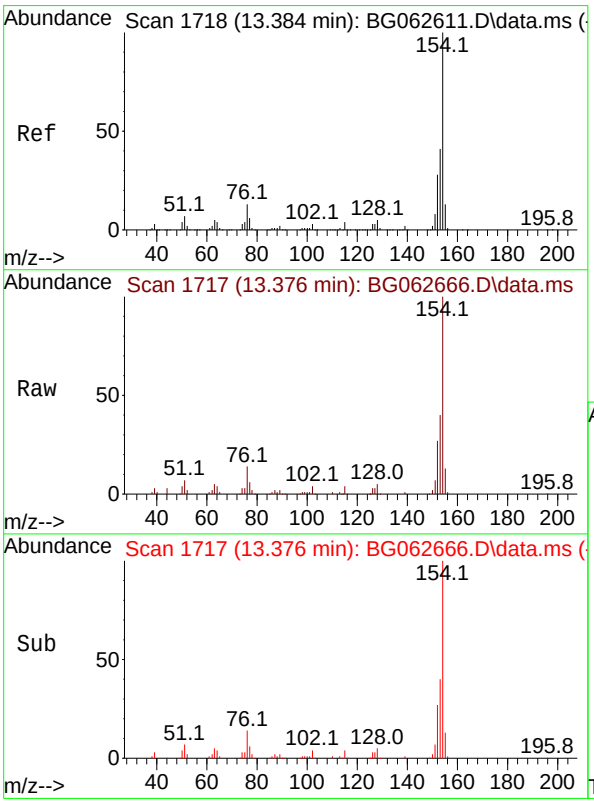
#45
2-Fluorobiphenyl
Concen: 94.981 ng
RT: 13.171 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:172 Resp: 973072

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	20.0	30.0

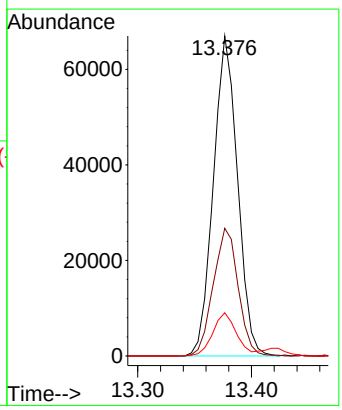


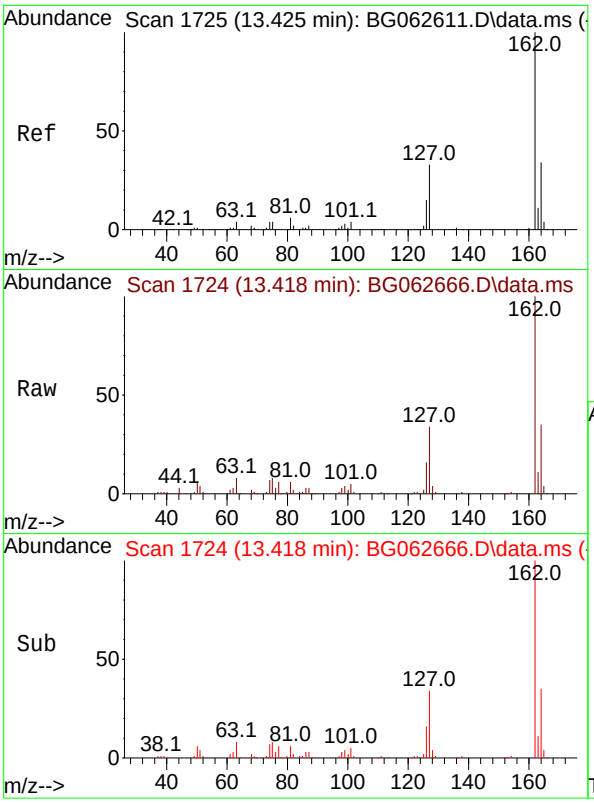


#46
1,1'-Biphenyl
Concen: 8.930 ng
RT: 13.376 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:154 Resp: 98864

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.8	60.8
76	13.5	0.0	33.4



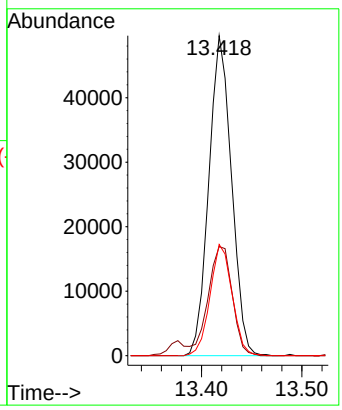


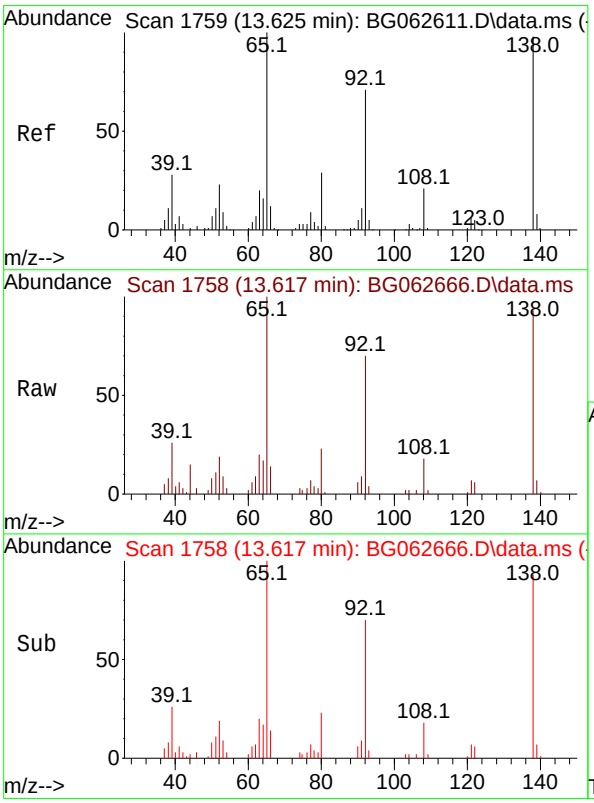
#47
2-Chloronaphthalene
Concen: 8.663 ng
RT: 13.418 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:162 Resp: 77731

Ion	Ratio	Lower	Upper
162	100		
127	34.1	28.7	43.1
164	34.7	26.9	40.3

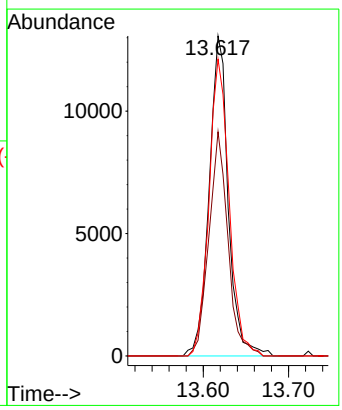


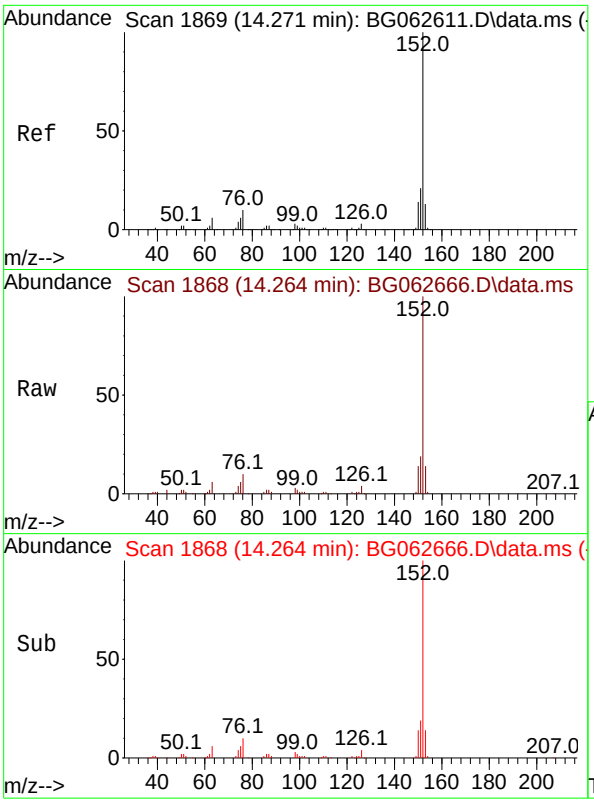


#48
2-Nitroaniline
Concen: 8.636 ng
RT: 13.617 min Scan# 1758
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion: 65 Resp: 20381

Ion	Ratio	Lower	Upper
65	100		
92	70.1	56.6	84.8
138	92.8	78.7	118.1



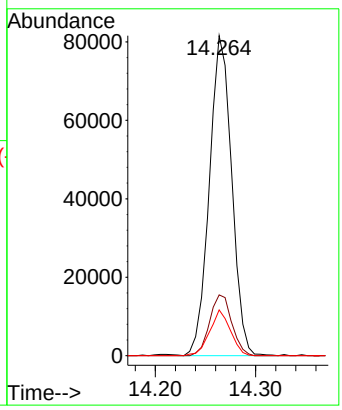


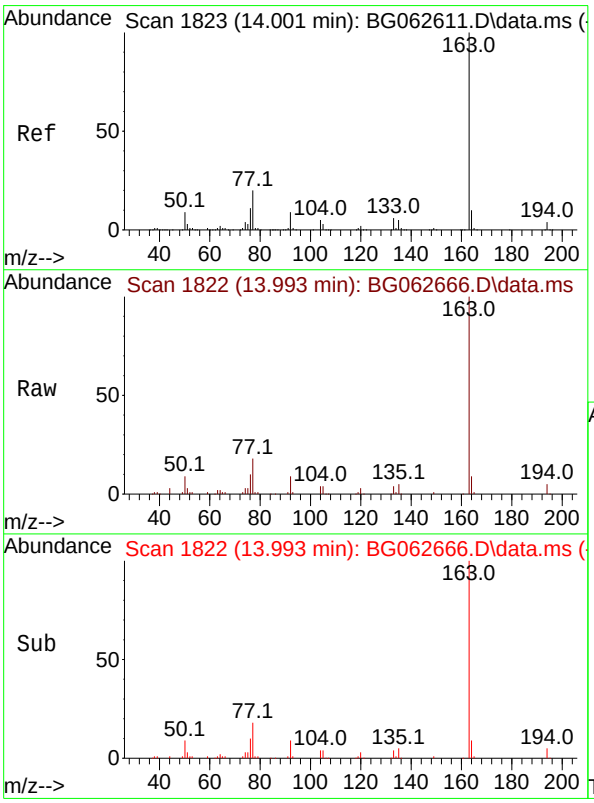
#49
Acenaphthylene
Concen: 9.499 ng
RT: 14.264 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:152 Resp: 126209

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.6	24.8
153	14.3	10.2	15.4

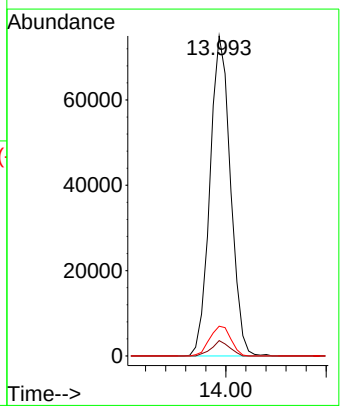


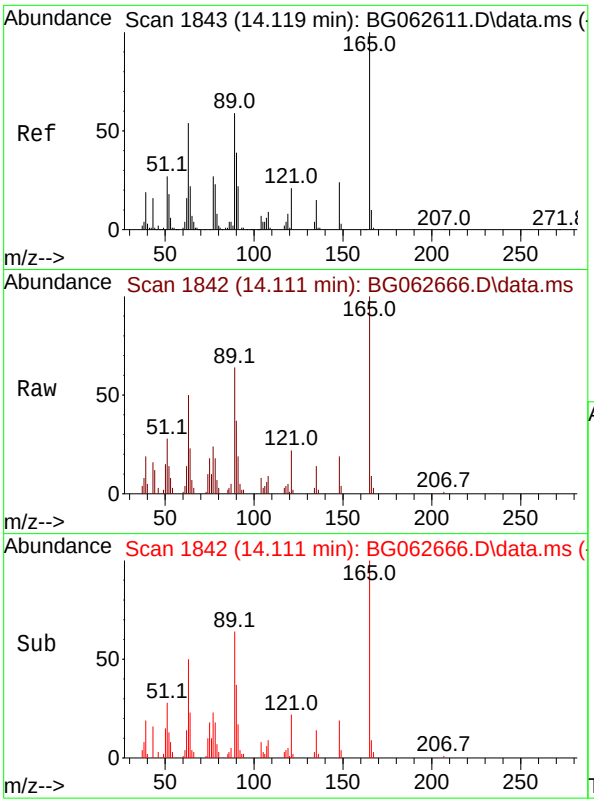


#50
Dimethylphthalate
Concen: 8.792 ng
RT: 13.993 min Scan# 1822
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:163 Resp: 106686

Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.9	4.3#
164	9.3	8.3	12.5



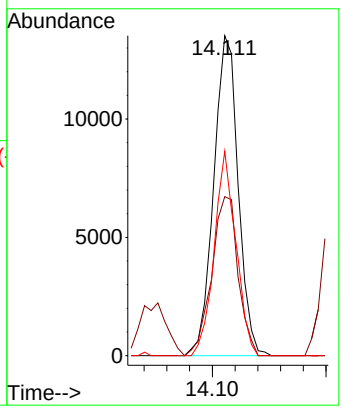


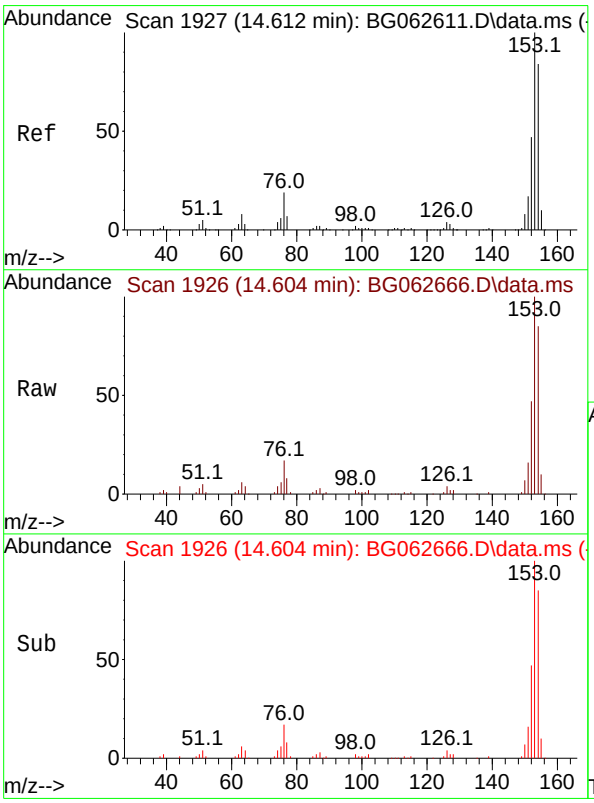
#51
2,6-Dinitrotoluene
Concen: 8.787 ng
RT: 14.111 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:165 Resp: 20168

Ion	Ratio	Lower	Upper
165	100		
63	49.7	46.6	69.8
89	63.9	47.2	70.8

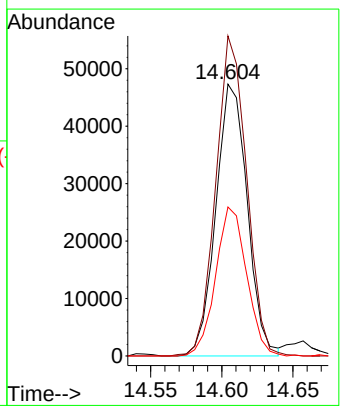


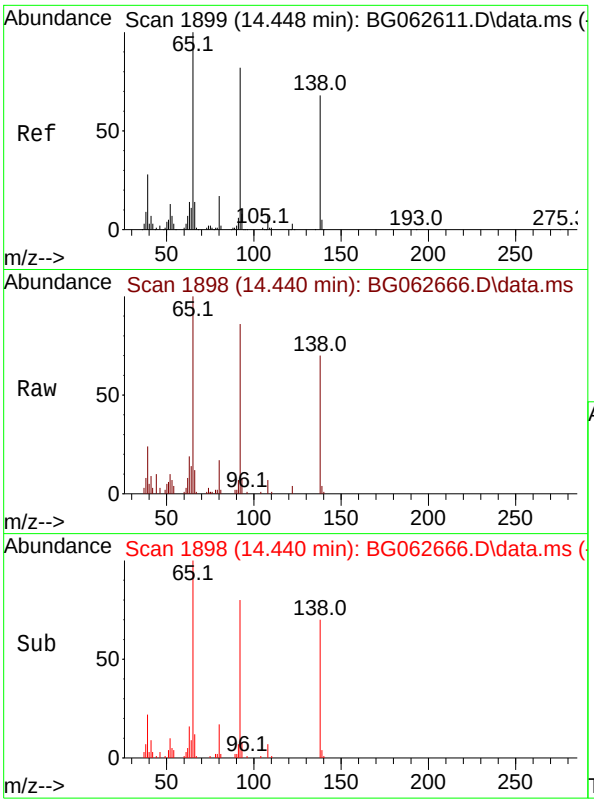


#52
Acenaphthene
Concen: 8.764 ng
RT: 14.604 min Scan# 1926
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:154 Resp: 72792

Ion	Ratio	Lower	Upper
154	100		
153	117.7	95.0	142.4
152	54.8	45.0	67.6



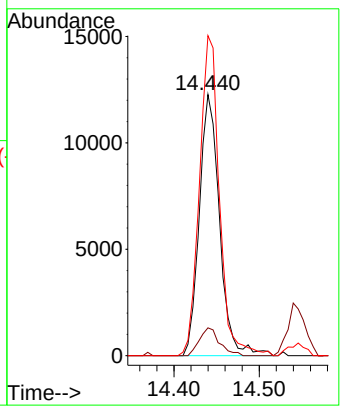


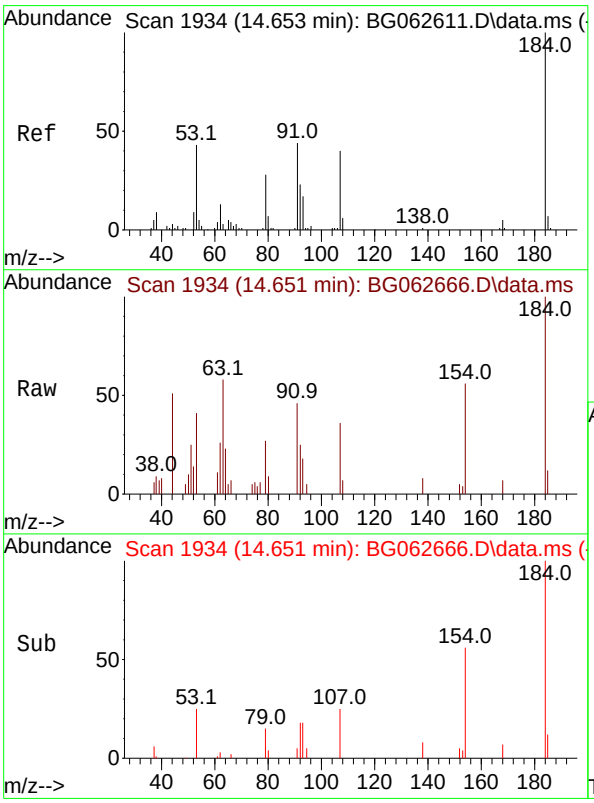
#53
3-Nitroaniline
Concen: 9.121 ng
RT: 14.440 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:138 Resp: 20256

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	13.0
92	122.6	95.7	143.5

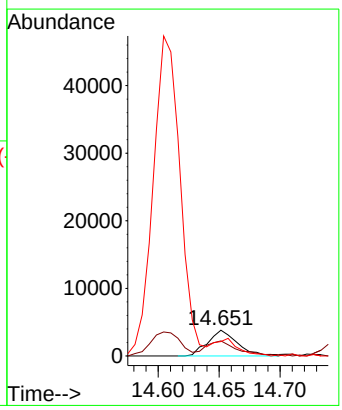


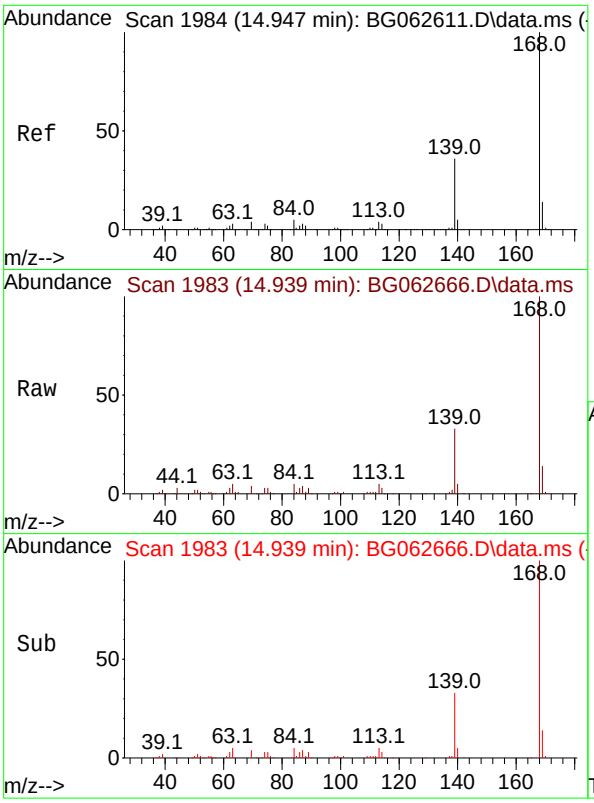


#54
2,4-Dinitrophenol
Concen: 5.026 ng
RT: 14.651 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:184 Resp: 6474

Ion	Ratio	Lower	Upper
184	100		
63	58.3	49.0	73.4
154	55.7	50.5	75.7



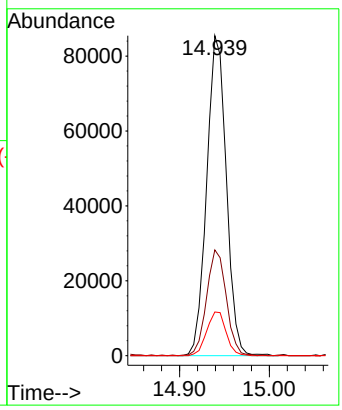


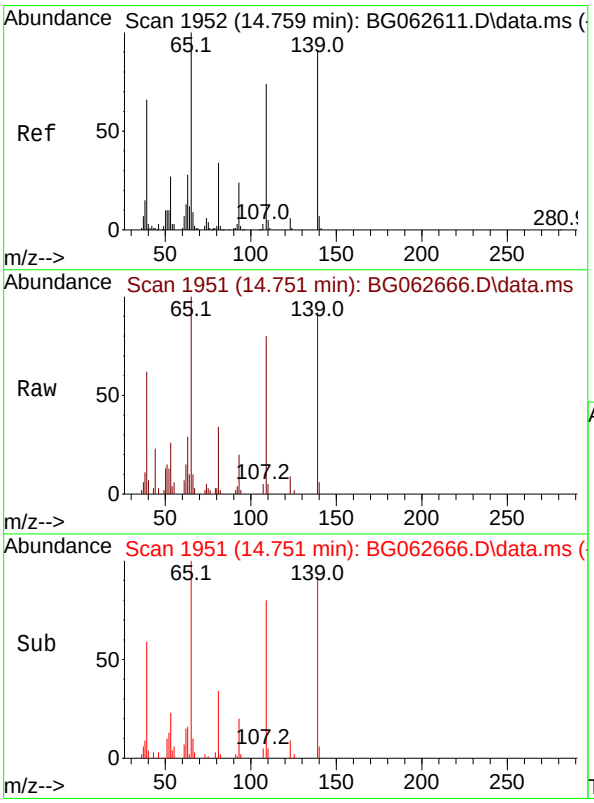
#55
Dibenzofuran
Concen: 9.094 ng
RT: 14.939 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:168 Resp: 129543

Ion	Ratio	Lower	Upper
168	100		
139	33.0	28.6	42.8
169	13.7	11.0	16.6

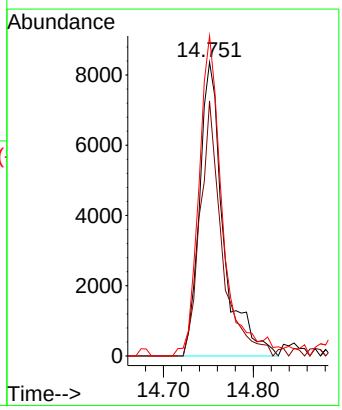


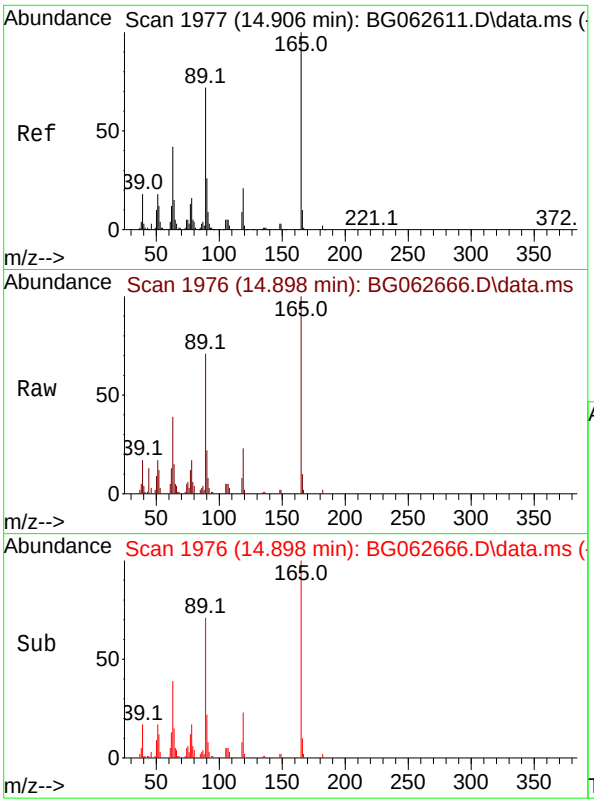


#56
4-Nitrophenol
Concen: 8.173 ng
RT: 14.751 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:139 Resp: 15382

Ion	Ratio	Lower	Upper
139	100		
109	86.8	61.2	101.2
65	109.0	90.2	130.2



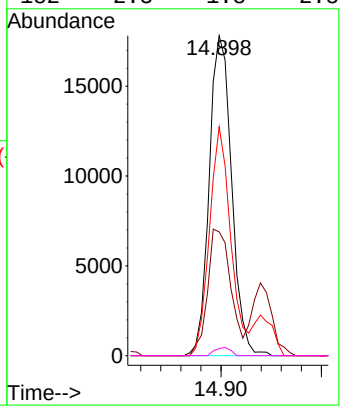


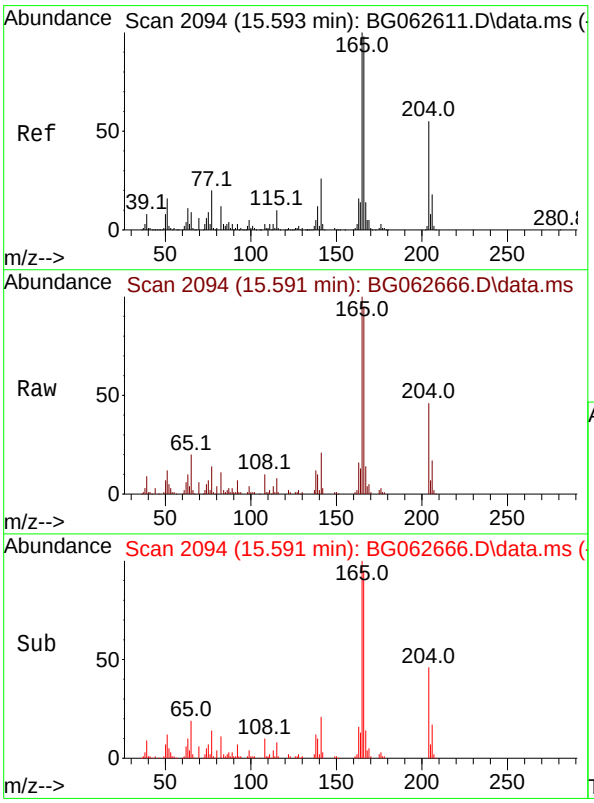
#57
2,4-Dinitrotoluene
Concen: 8.817 ng
RT: 14.898 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:165 Resp: 27610

Ion	Ratio	Lower	Upper
165	100		
63	38.7	33.8	50.6
89	71.5	57.9	86.9
182	2.3	1.8	2.8

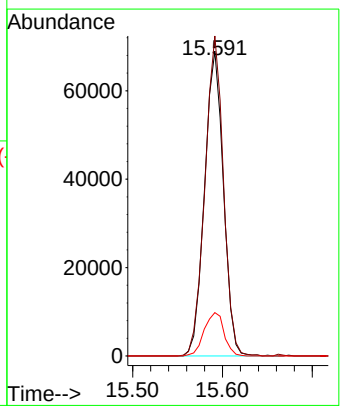


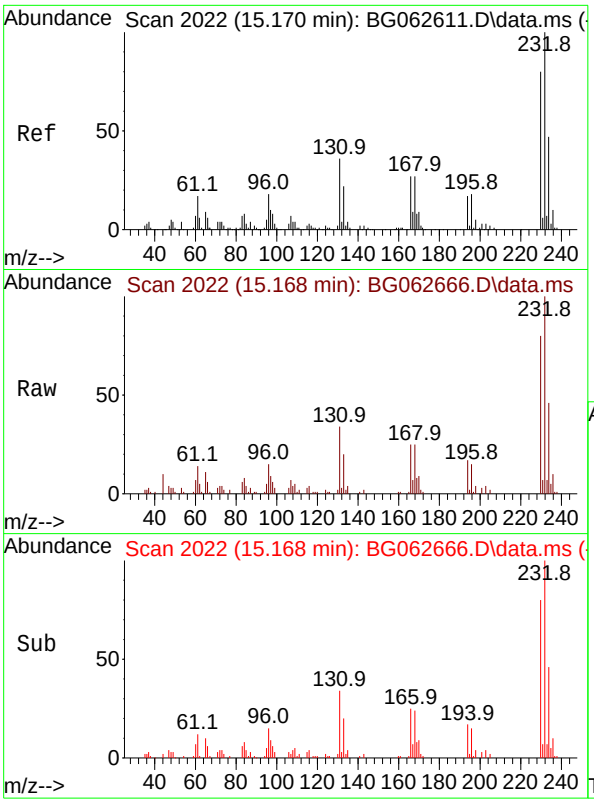


#58
Fluorene
Concen: 8.995 ng
RT: 15.591 min Scan# 2094
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:166 Resp: 100556

Ion	Ratio	Lower	Upper
166	100		
165	104.9	82.0	123.0
167	14.2	11.3	16.9



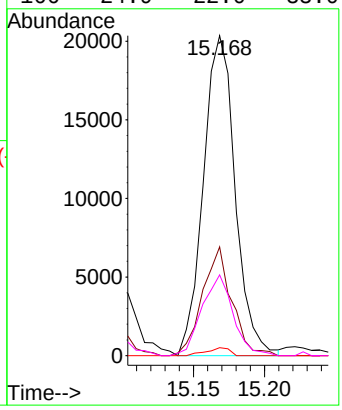


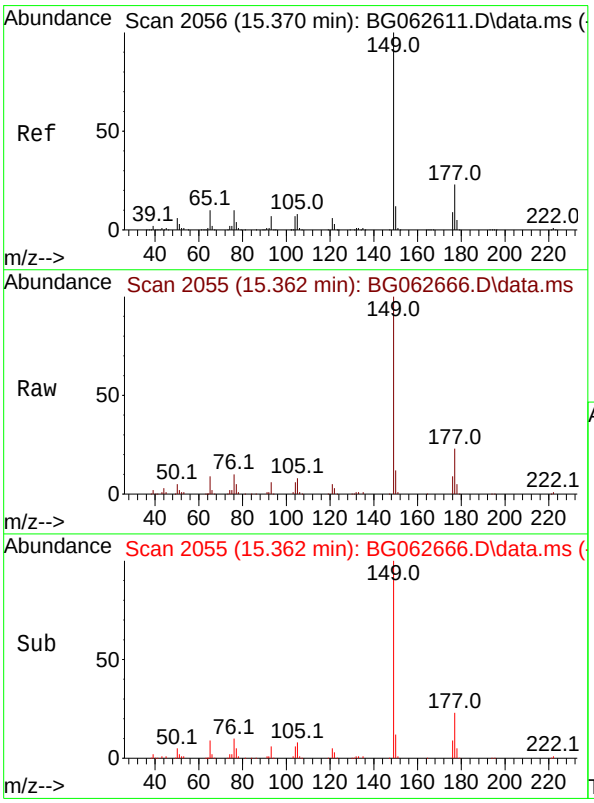
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.338 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:232 Resp: 31693

Ion	Ratio	Lower	Upper
232	100		
131	31.3	28.3	42.5
130	1.8	1.7	2.5
166	24.9	22.0	33.0

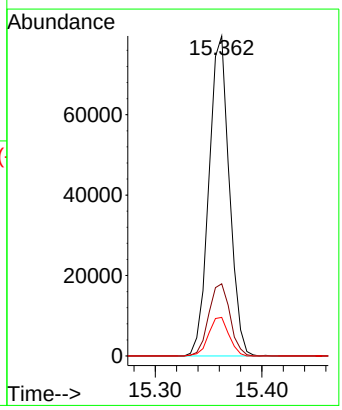


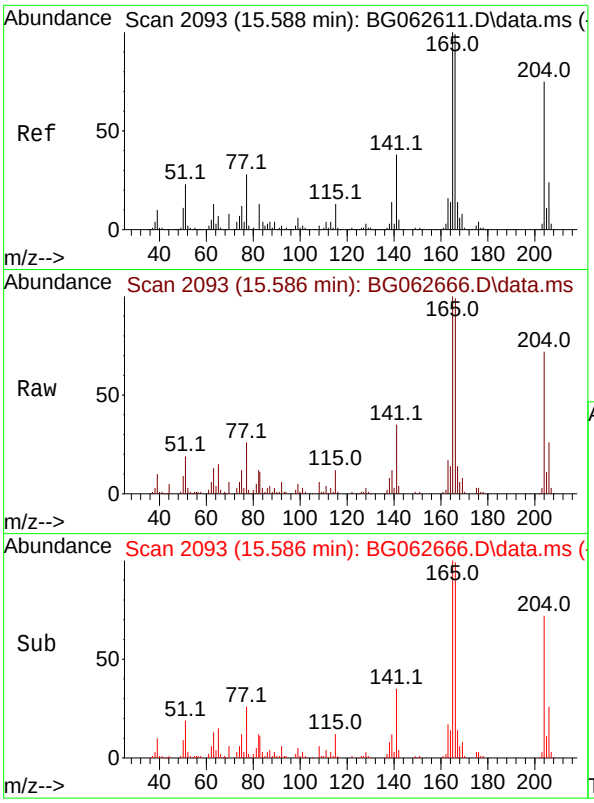


#60
Diethylphthalate
Concen: 8.764 ng
RT: 15.362 min Scan# 2055
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:149 Resp: 105408

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.1	9.8	14.8



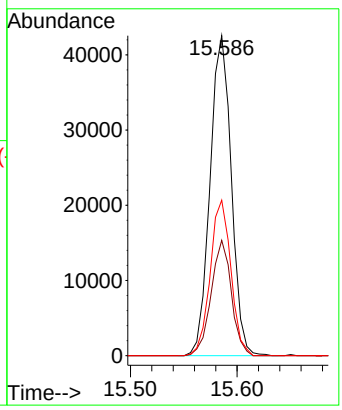


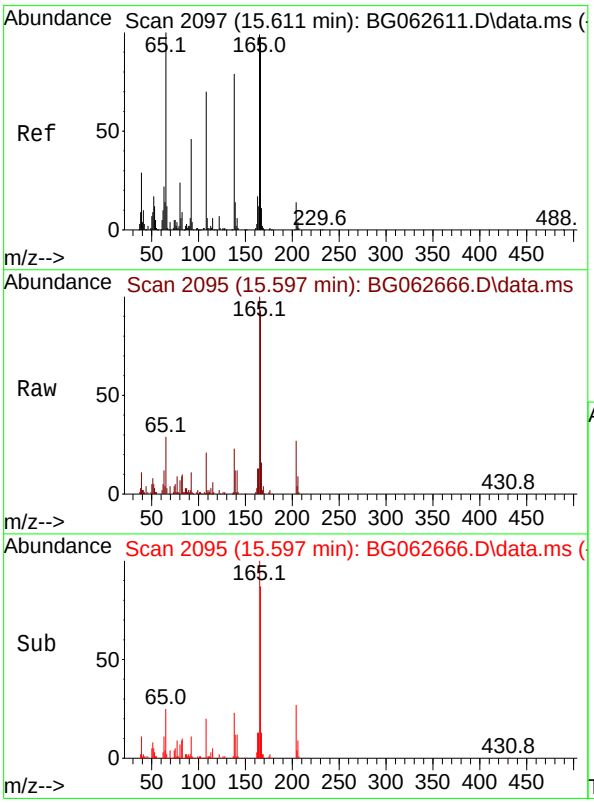
#61
4-Chlorophenyl-phenylether
Concen: 9.159 ng
RT: 15.586 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:204 Resp: 58783

Ion	Ratio	Lower	Upper
204	100		
206	36.1	25.9	38.9
141	48.6	41.0	61.6

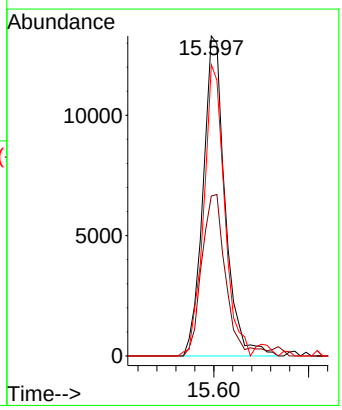


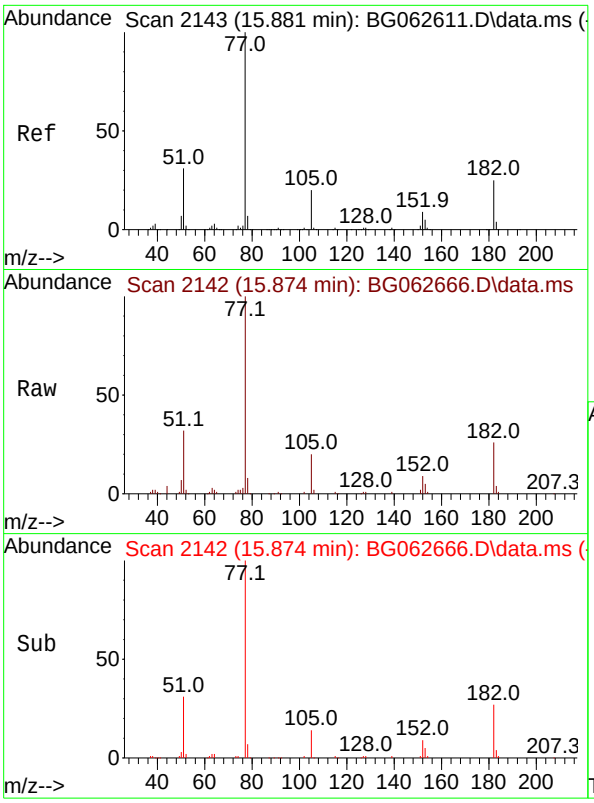


#62
4-Nitroaniline
Concen: 8.772 ng
RT: 15.597 min Scan# 2095
Delta R.T. -0.014 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:138 Resp: 21481

Ion	Ratio	Lower	Upper
138	100		
92	50.0	38.4	78.4
108	91.0	69.0	109.0



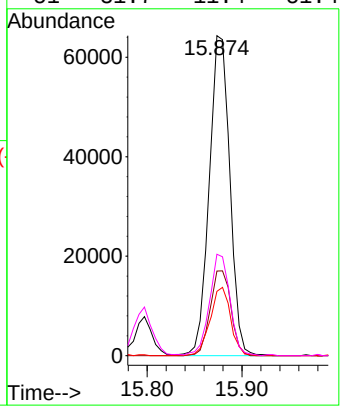


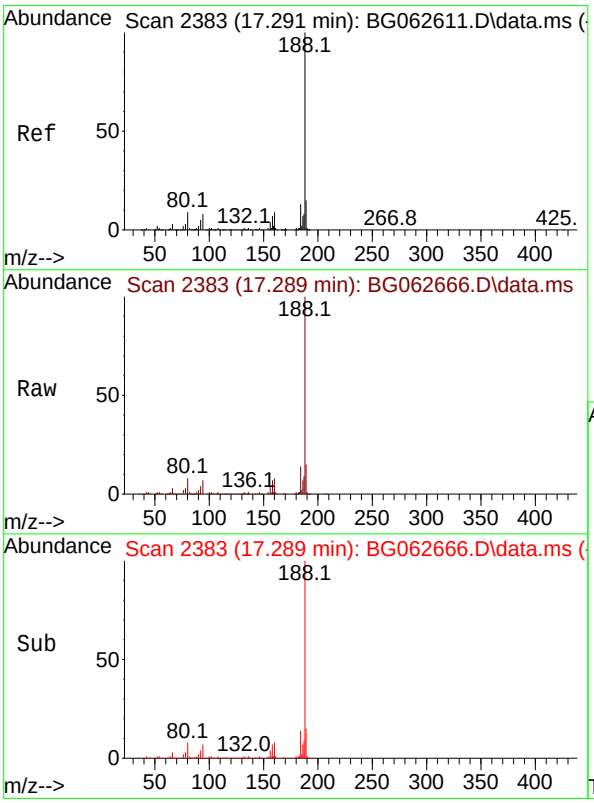
#63
Azobenzene
Concen: 8.604 ng
RT: 15.874 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 97165

Ion	Ratio	Lower	Upper
77	100		
182	26.5	5.0	45.0
105	20.1	0.5	40.5
51	31.7	11.4	51.4

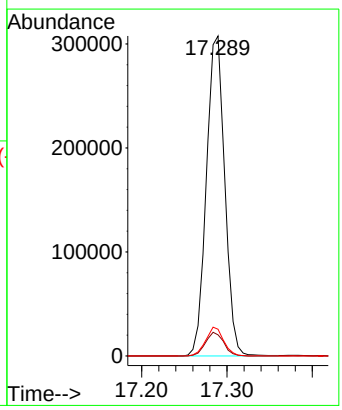


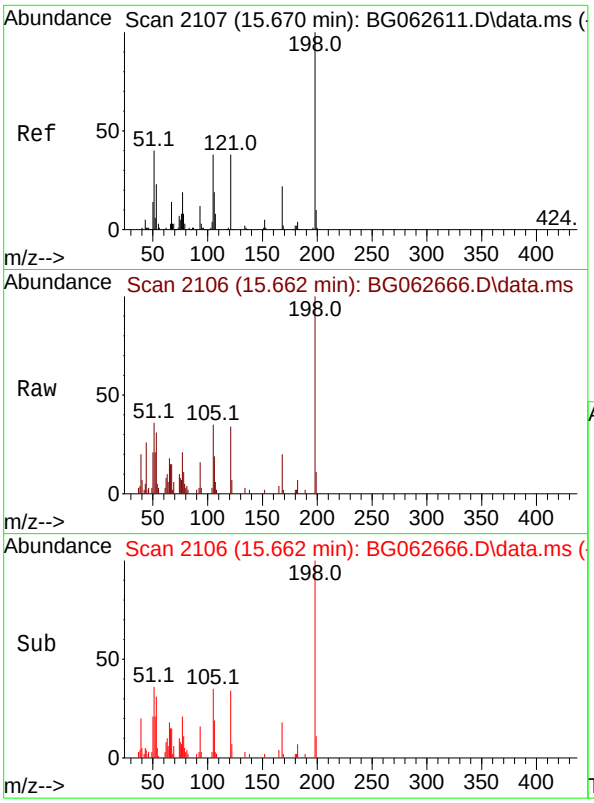


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.289 min Scan# 2383
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:188 Resp: 460694

Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.3	9.5
80	8.4	7.0	10.4



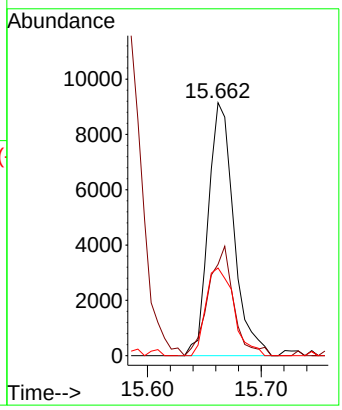


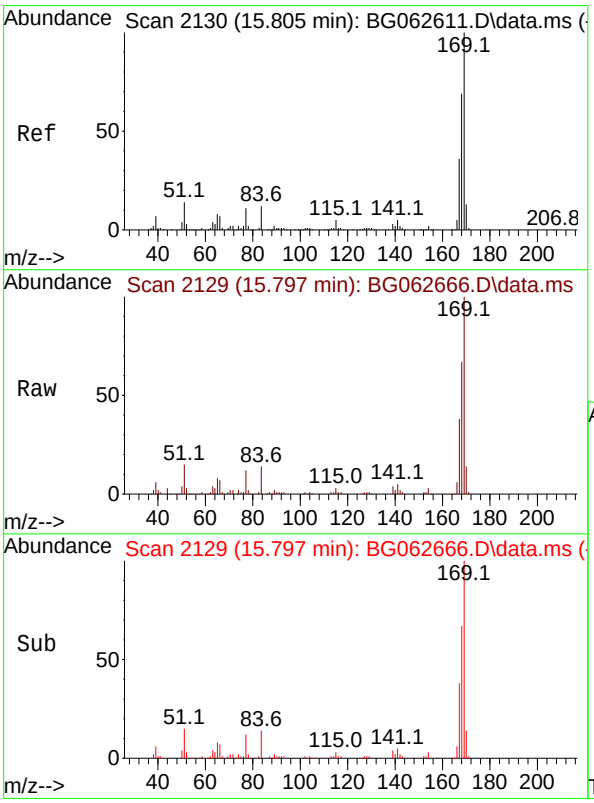
#65
4,6-Dinitro-2-methylphenol
Concen: 6.907 ng
RT: 15.662 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:198 Resp: 14200

Ion	Ratio	Lower	Upper
198	100		
51	36.1	25.1	65.1
105	34.6	18.3	58.3

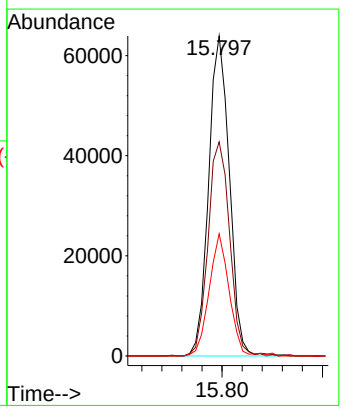


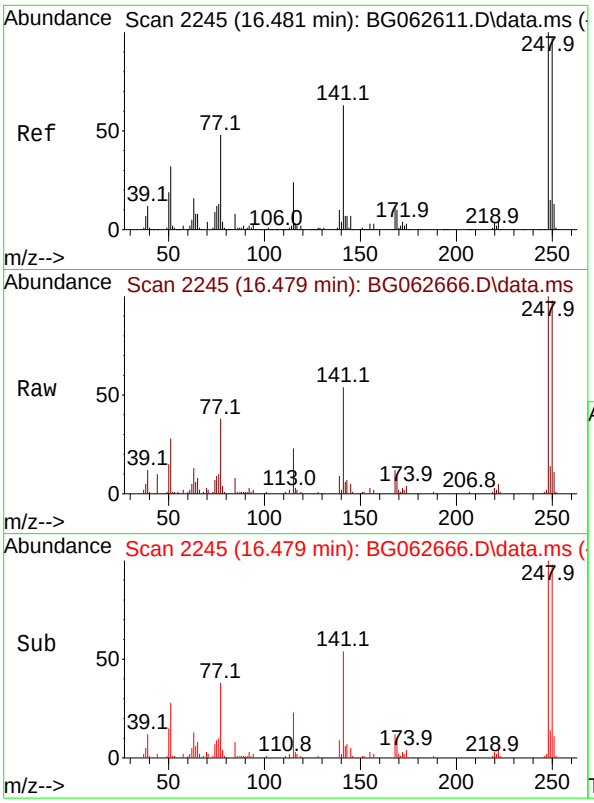


#66
n-Nitrosodiphenylamine
Concen: 8.272 ng
RT: 15.797 min Scan# 2129
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:169 Resp: 91620

Ion	Ratio	Lower	Upper
169	100		
168	66.9	55.4	83.2
167	38.1	29.0	43.6



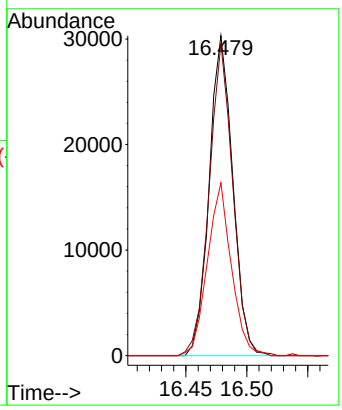


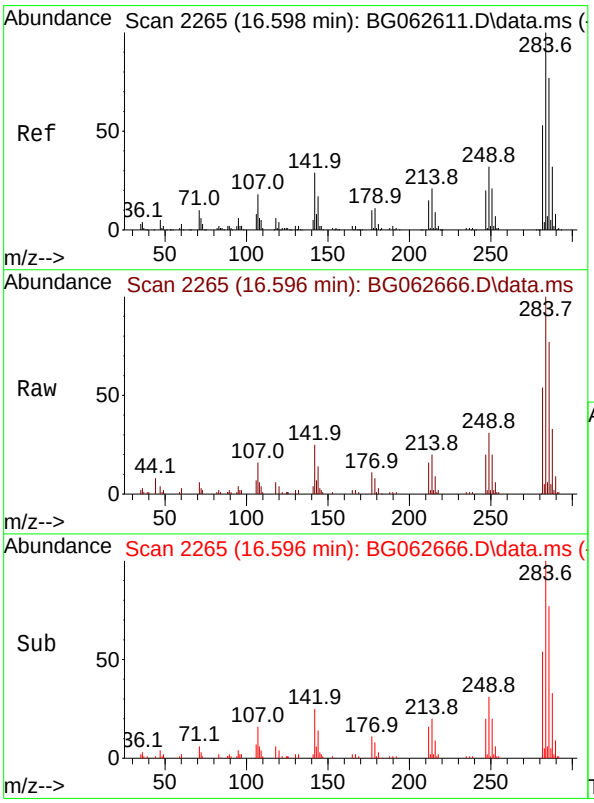
#67
4-Bromophenyl-phenylether
Concen: 8.580 ng
RT: 16.479 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:248 Resp: 40797

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.9	116.9
141	54.0	50.2	75.2

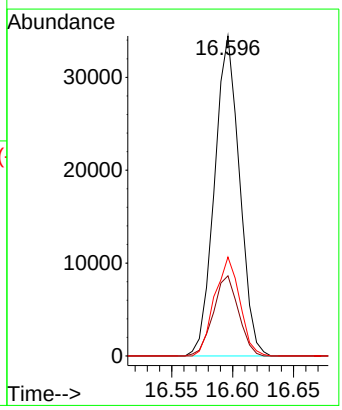


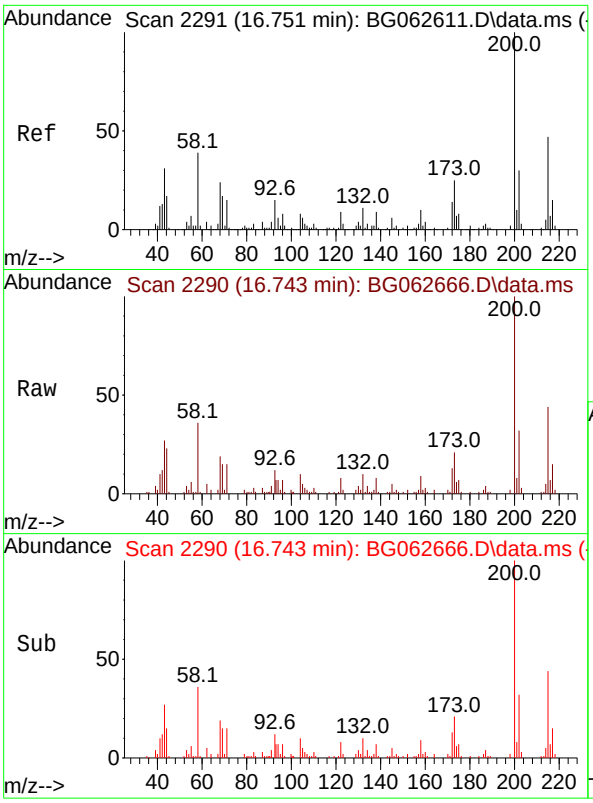


#68
Hexachlorobenzene
Concen: 8.741 ng
RT: 16.596 min Scan# 2265
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:284 Resp: 49219

Ion	Ratio	Lower	Upper
284	100		
142	25.1	23.5	35.3
249	32.8	25.4	38.0



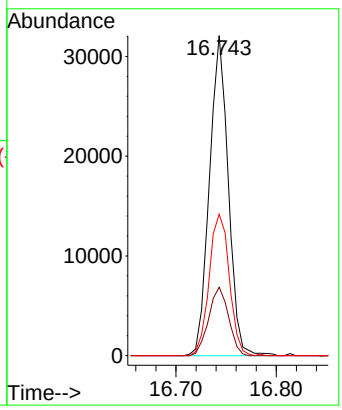


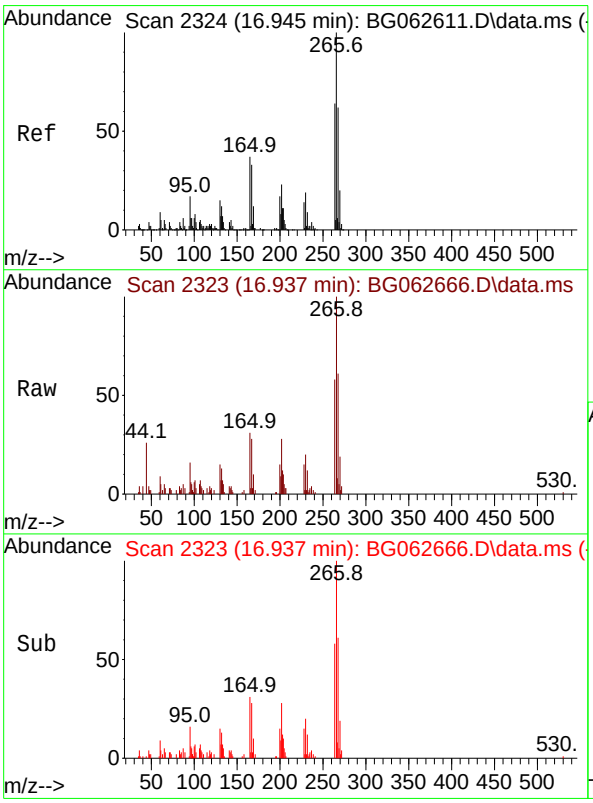
#69
Atrazine
Concen: 11.106 ng
RT: 16.743 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:200 Resp: 41782

Ion	Ratio	Lower	Upper
200	100		
173	21.4	5.2	45.2
215	44.2	27.3	67.3

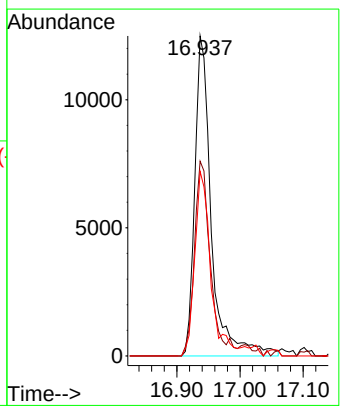


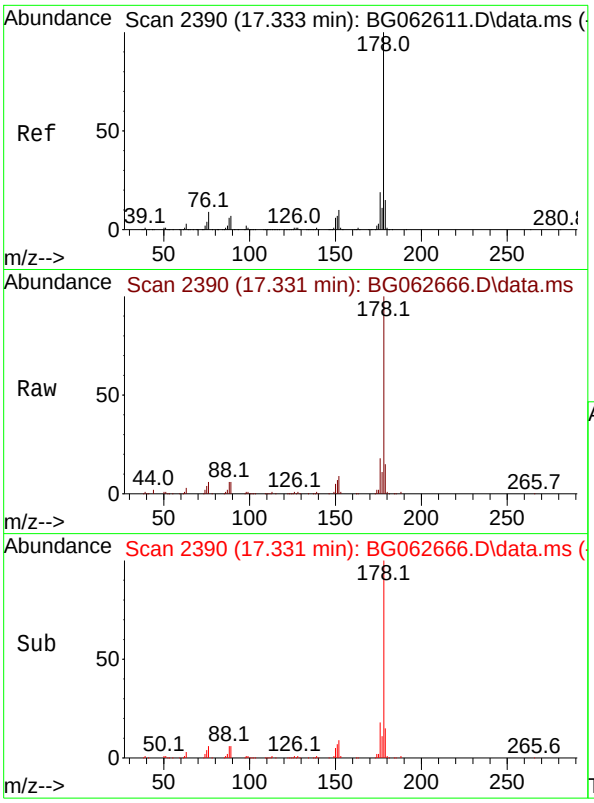


#70
Pentachlorophenol
Concen: 6.303 ng
RT: 16.937 min Scan# 2323
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:266 Resp: 22732

Ion	Ratio	Lower	Upper
266	100		
268	65.7	52.6	79.0
264	57.6	51.6	77.4



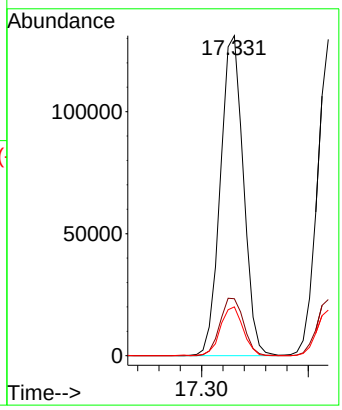


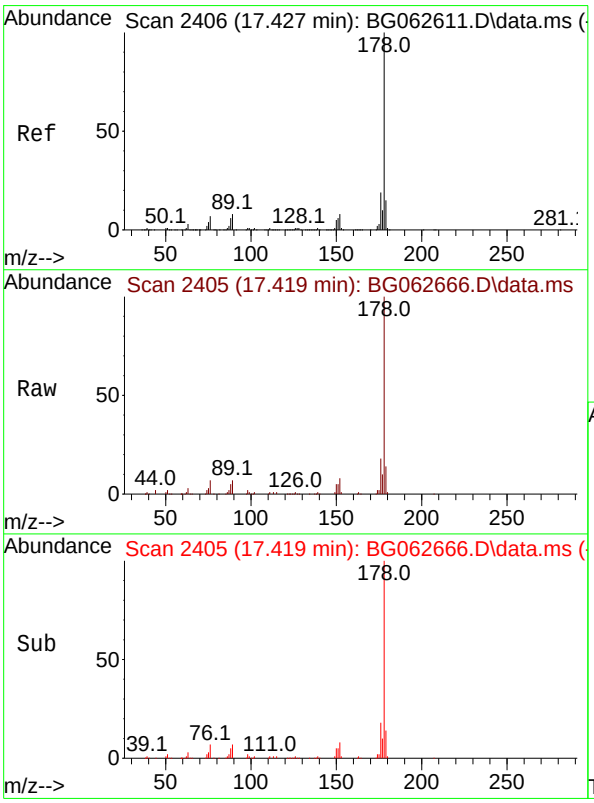
#71
Phenanthrene
Concen: 9.132 ng
RT: 17.331 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:178 Resp: 196376

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	15.2	12.2	18.4

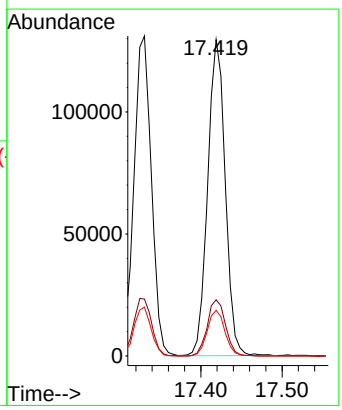


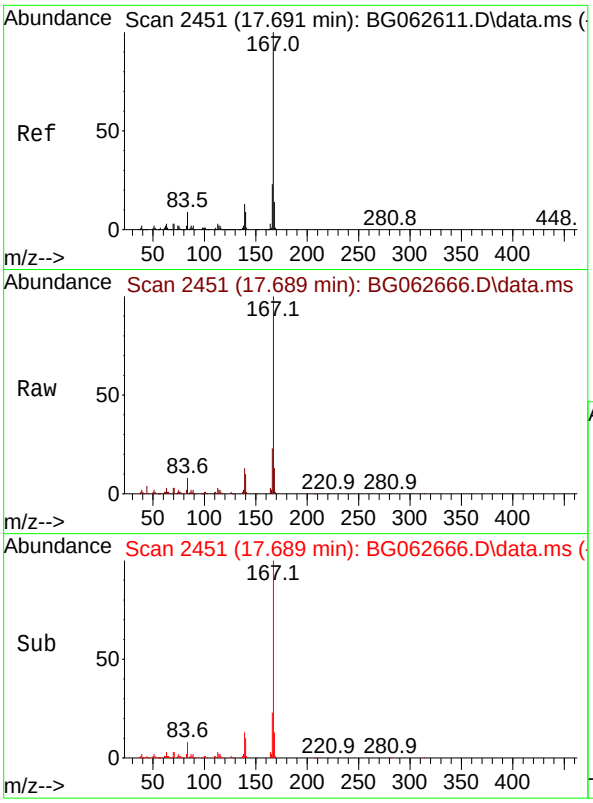


#72
Anthracene
Concen: 9.168 ng
RT: 17.419 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:178 Resp: 193841

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.2	22.8
179	14.4	12.0	18.0



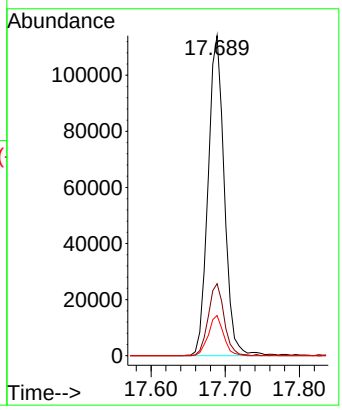


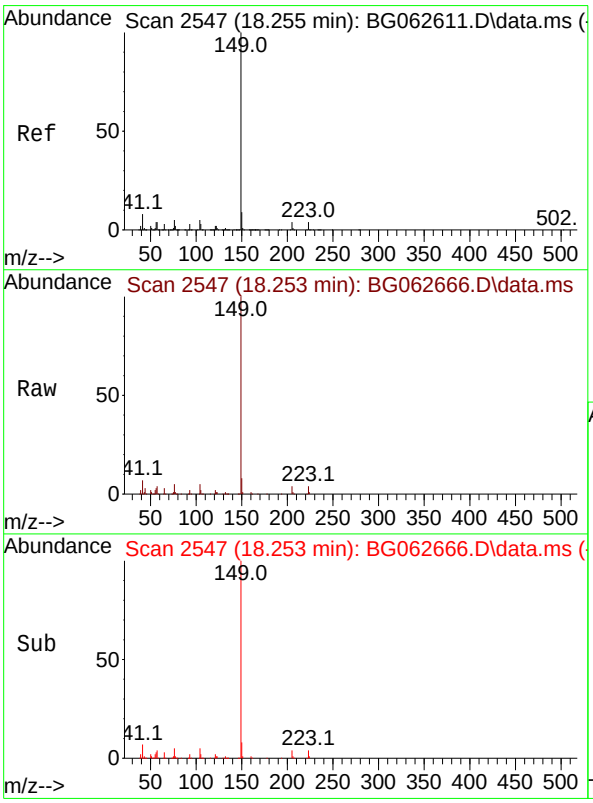
#73
Carbazole
Concen: 8.915 ng
RT: 17.689 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:167 Resp: 173268

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.2	27.2
139	12.5	10.1	15.1

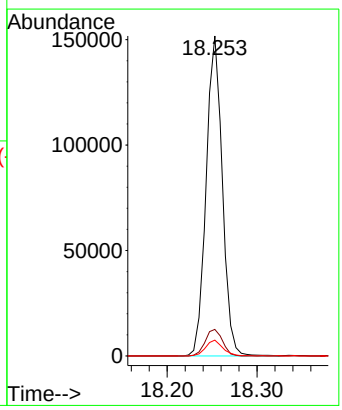


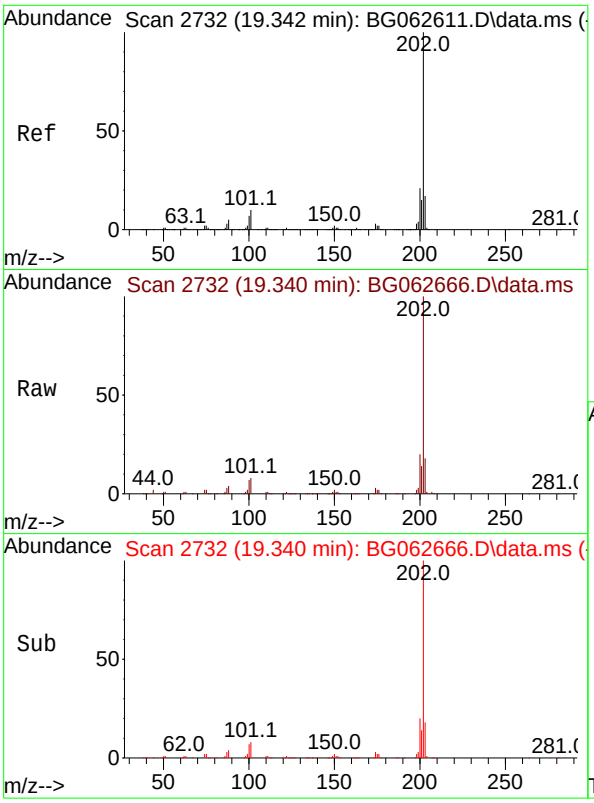


#74
Di-n-butylphthalate
Concen: 8.646 ng
RT: 18.253 min Scan# 2547
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:149 Resp: 189519

Ion	Ratio	Lower	Upper
149	100		
150	8.3	7.3	10.9
104	5.0	4.2	6.2



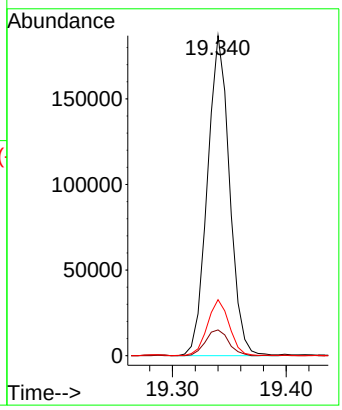


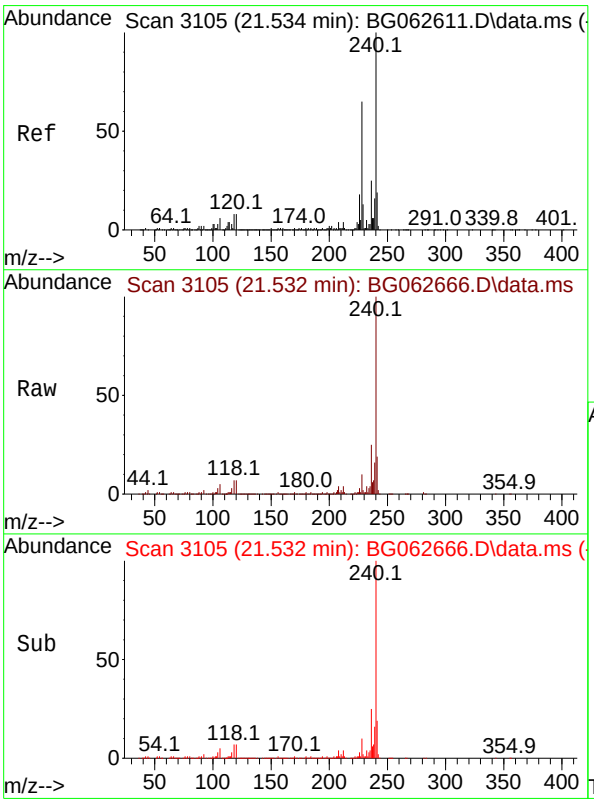
#75
Fluoranthene
Concen: 9.307 ng
RT: 19.340 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:202 Resp: 253112

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	29.6
203	17.5	0.0	37.4

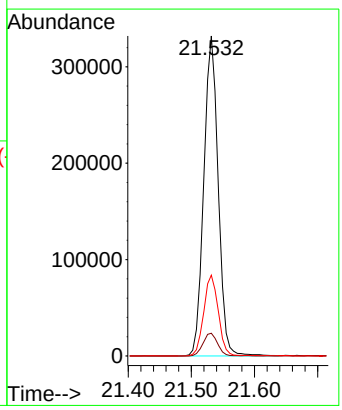


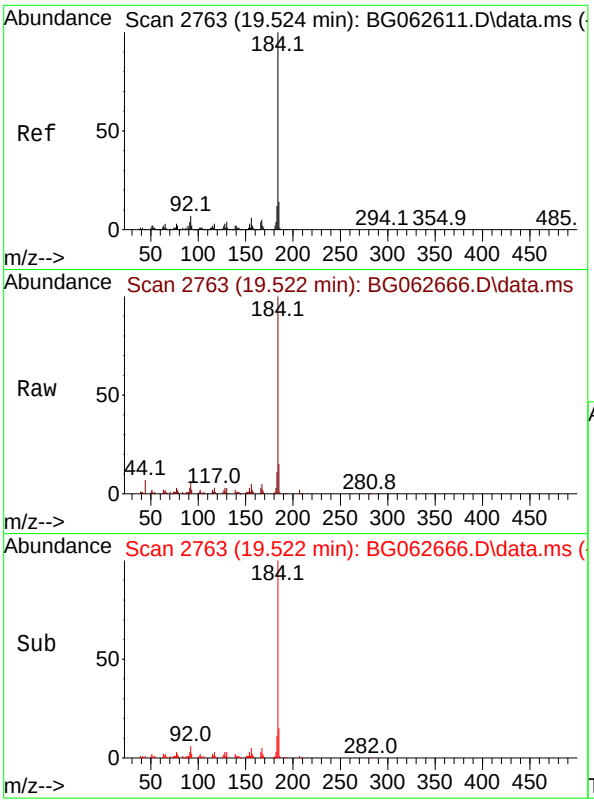


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.532 min Scan# 3105
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:240 Resp: 524503

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.6	9.8
236	25.3	20.2	30.4



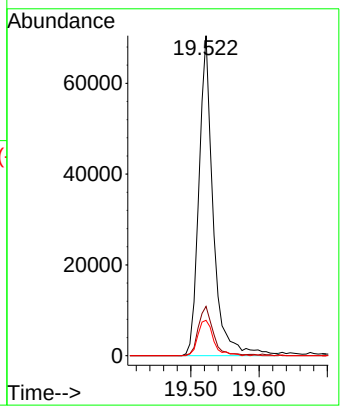


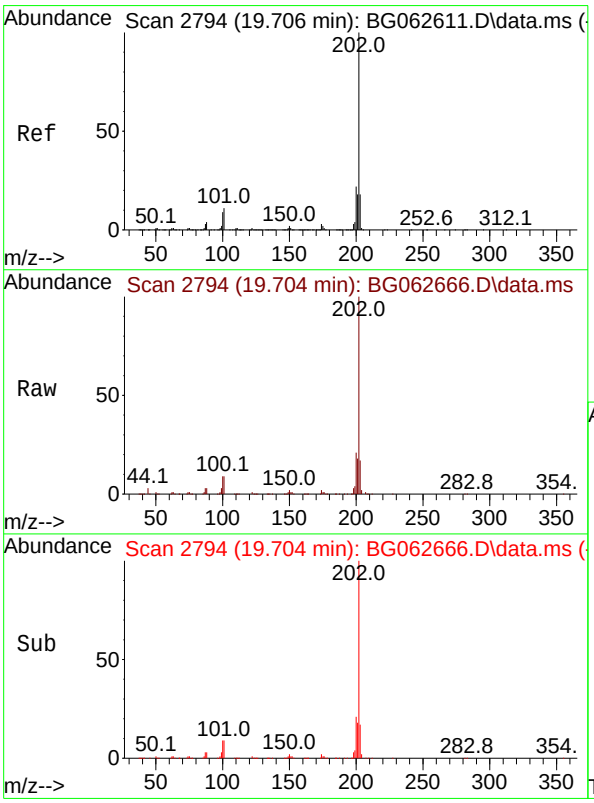
#77
Benzidine
Concen: 10.830 ng
RT: 19.522 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:184 Resp: 102385

Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.0	16.6
183	11.1	9.7	14.5

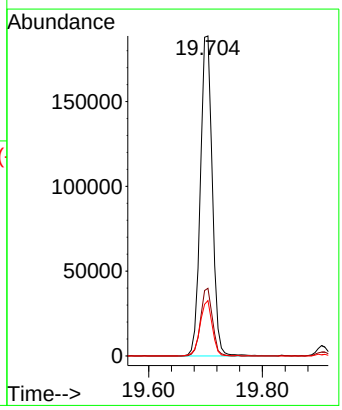


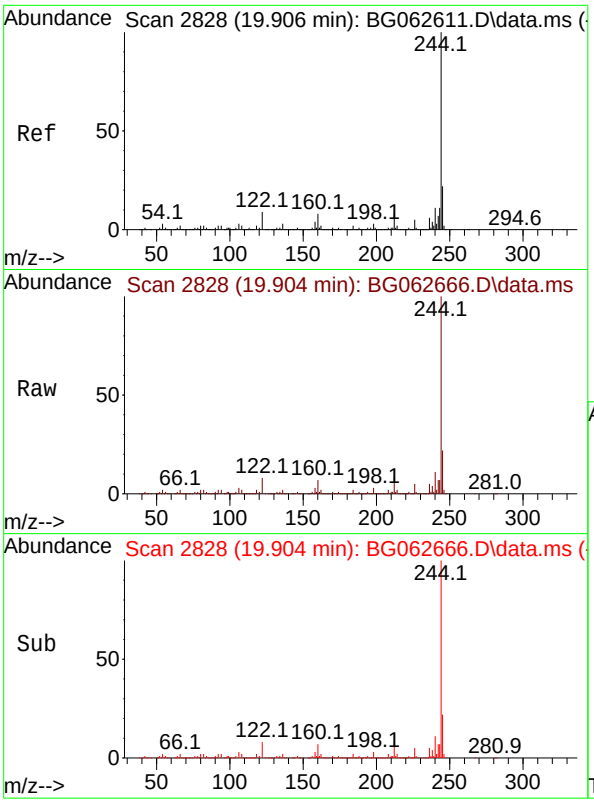


#78
Pyrene
Concen: 8.227 ng
RT: 19.704 min Scan# 2794
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:202 Resp: 274287

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.3	14.1	21.1



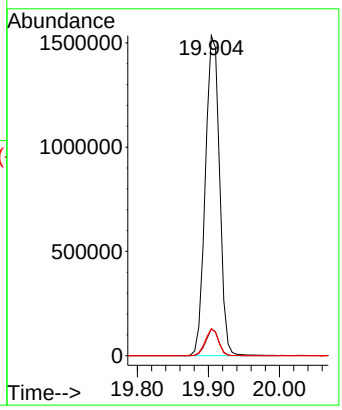


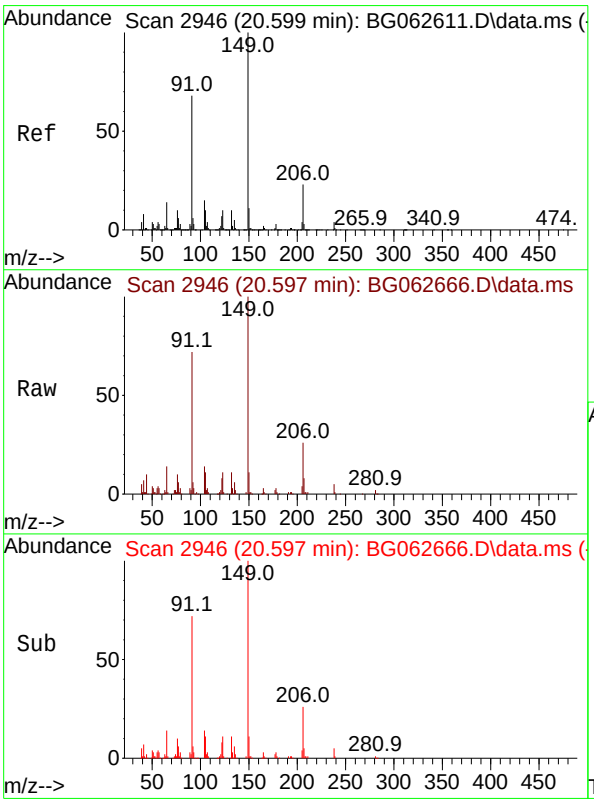
#79
Terphenyl-d14
Concen: 80.721 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:244 Resp: 2135245

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	8.4	7.2	10.8

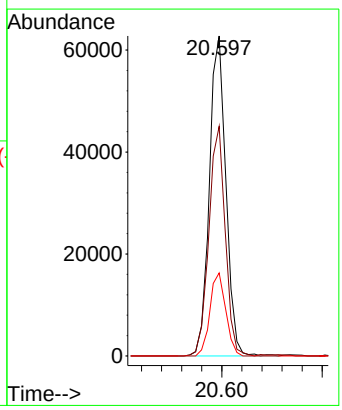


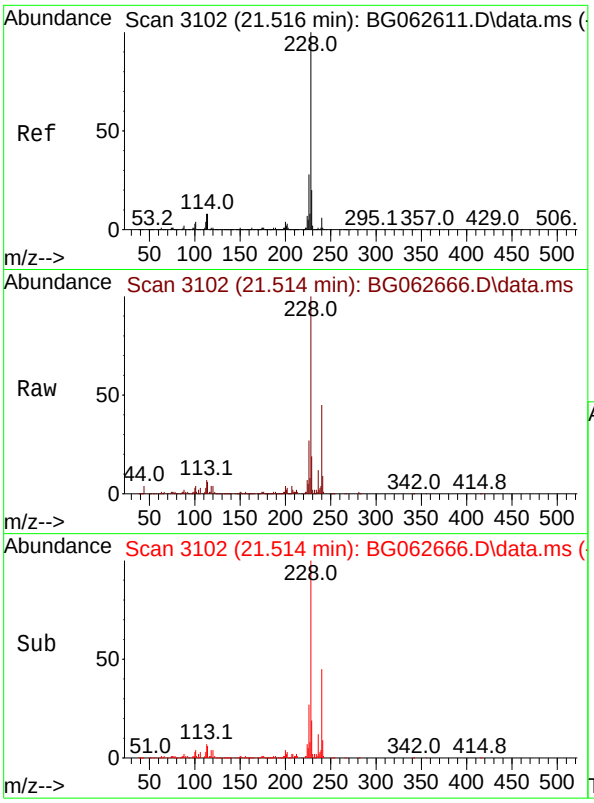


#80
Butylbenzylphthalate
Concen: 7.328 ng
RT: 20.597 min Scan# 2946
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:149 Resp: 71762

Ion	Ratio	Lower	Upper
149	100		
91	71.7	54.6	81.8
206	26.0	18.4	27.6



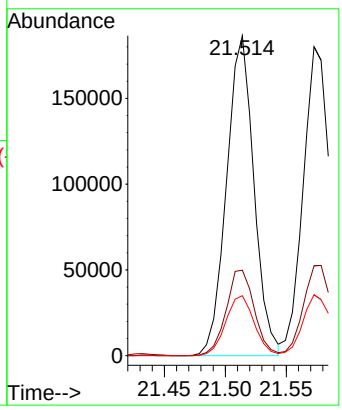


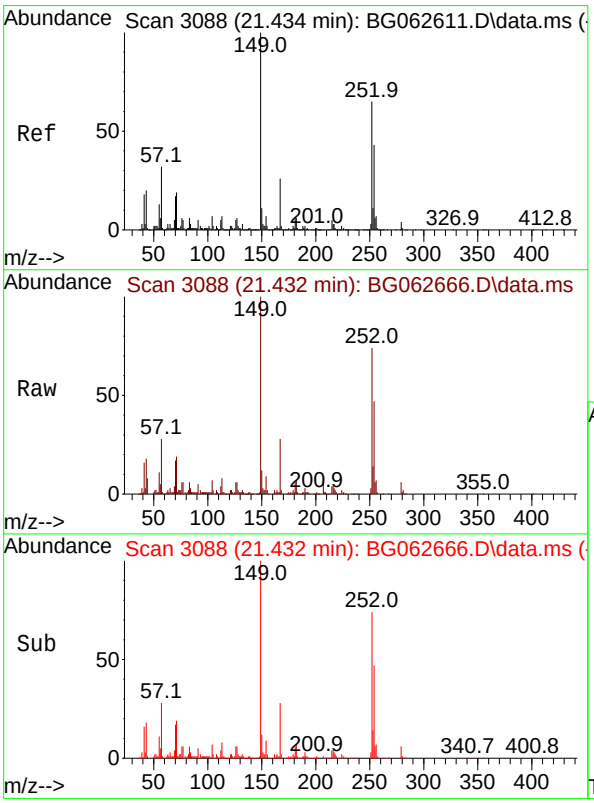
#81
Benzo(a)anthracene
Concen: 8.812 ng
RT: 21.514 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:228 Resp: 291525

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.3	33.5
229	18.8	16.2	24.2

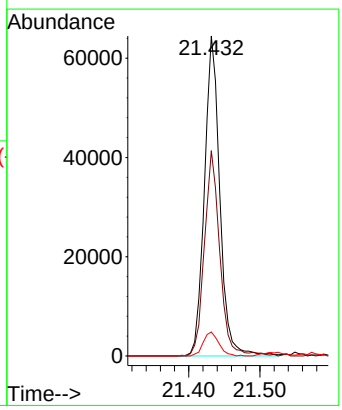


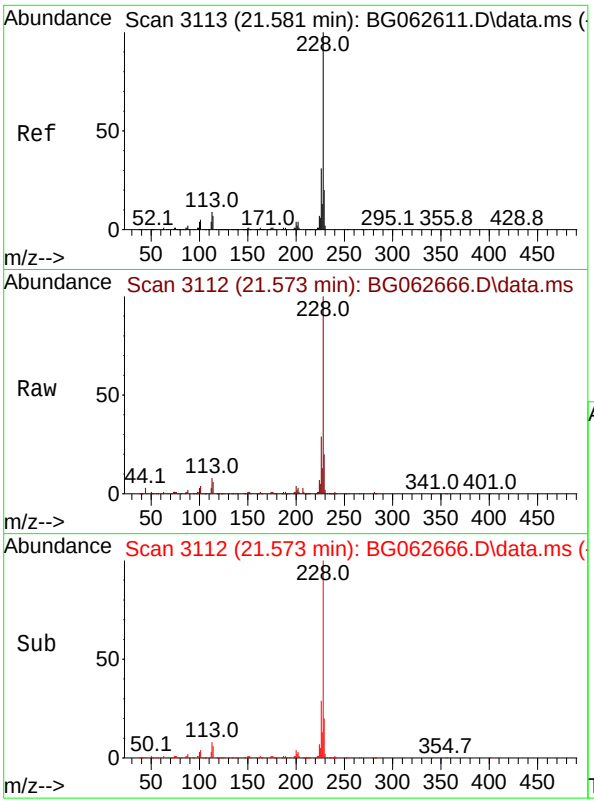


#82
3,3'-Dichlorobenzidine
Concen: 9.027 ng
RT: 21.432 min Scan# 3088
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:252 Resp: 97287

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.2	78.2
126	7.5	6.7	10.1



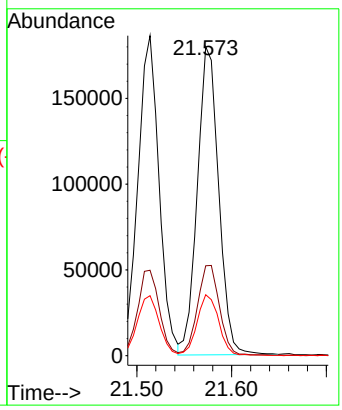


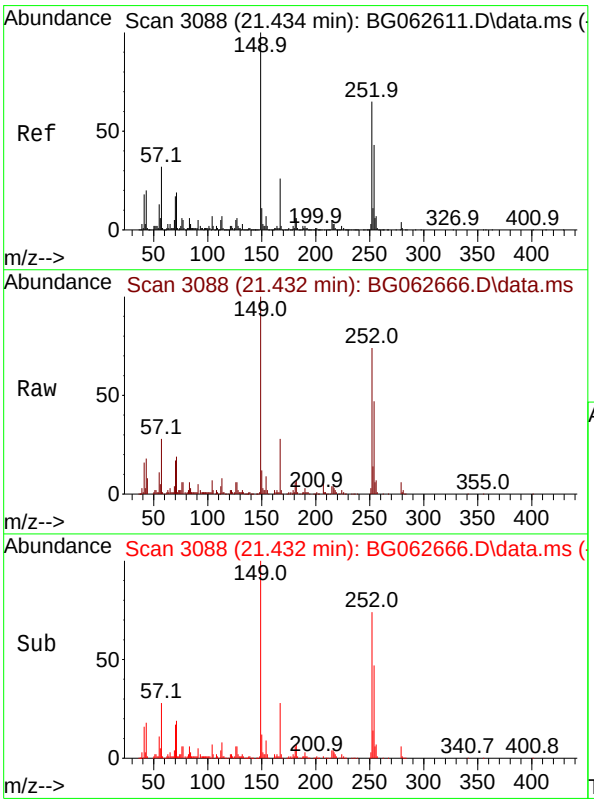
#83
Chrysene
Concen: 8.891 ng
RT: 21.573 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:228 Resp: 281718

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	19.8	16.0	24.0

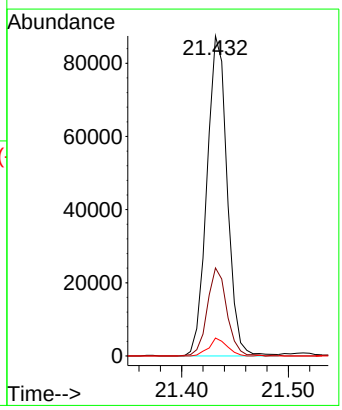


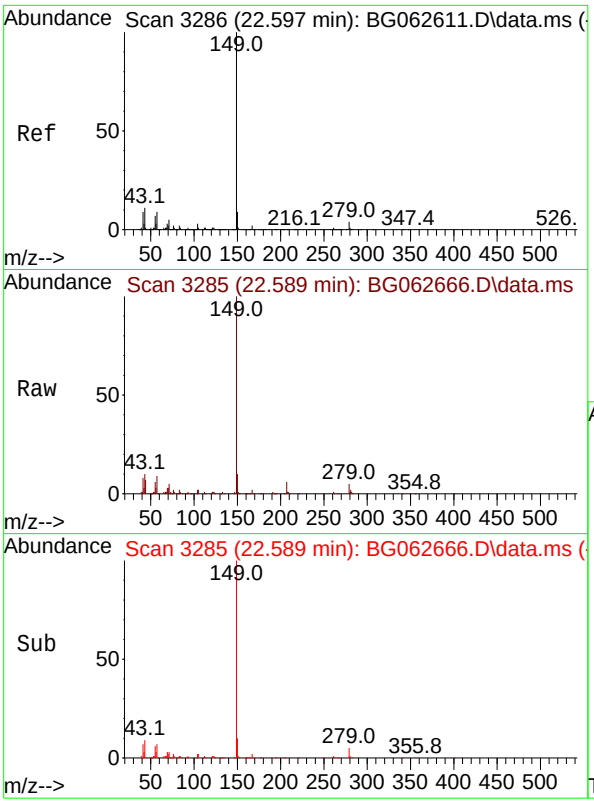


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.770 ng
RT: 21.432 min Scan# 3088
Delta R.T. -0.002 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:149 Resp: 115593

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.5	30.7
279	5.6	3.1	4.7#



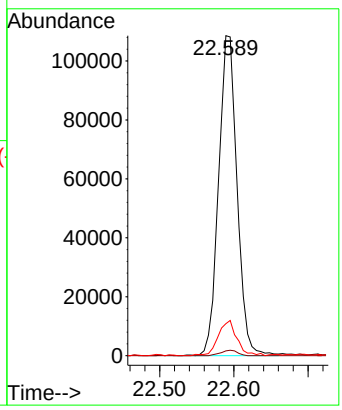


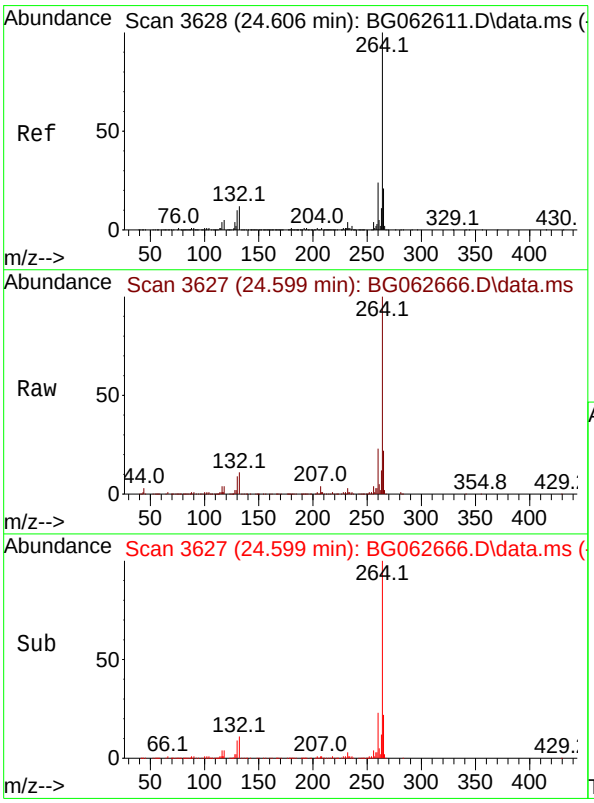
#85
Di-n-octyl phthalate
Concen: 7.209 ng
RT: 22.589 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:149 Resp: 187790

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	11.1	8.8	13.2

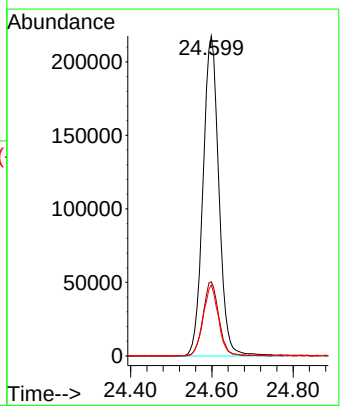


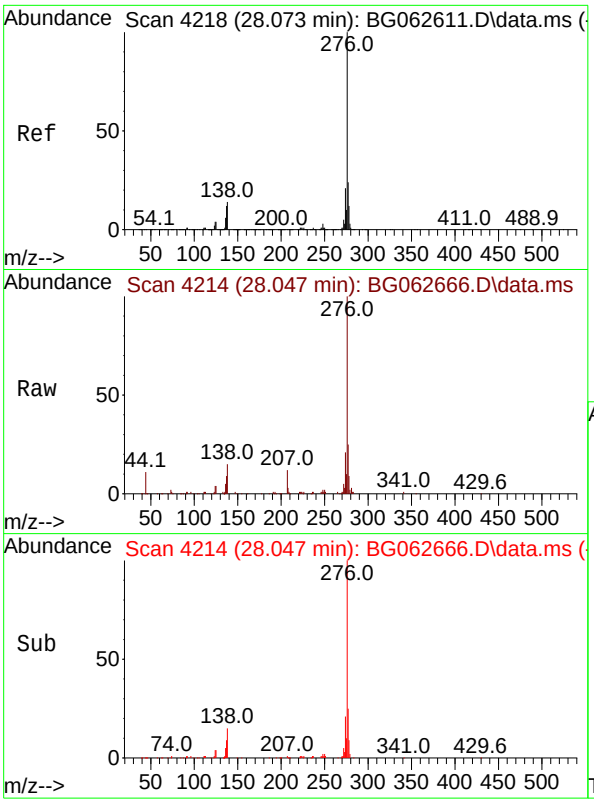


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.599 min Scan# 3627
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:264 Resp: 588455

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.2	17.3	25.9



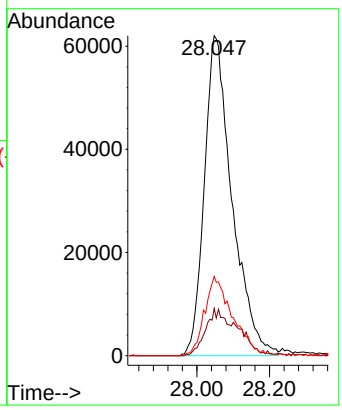


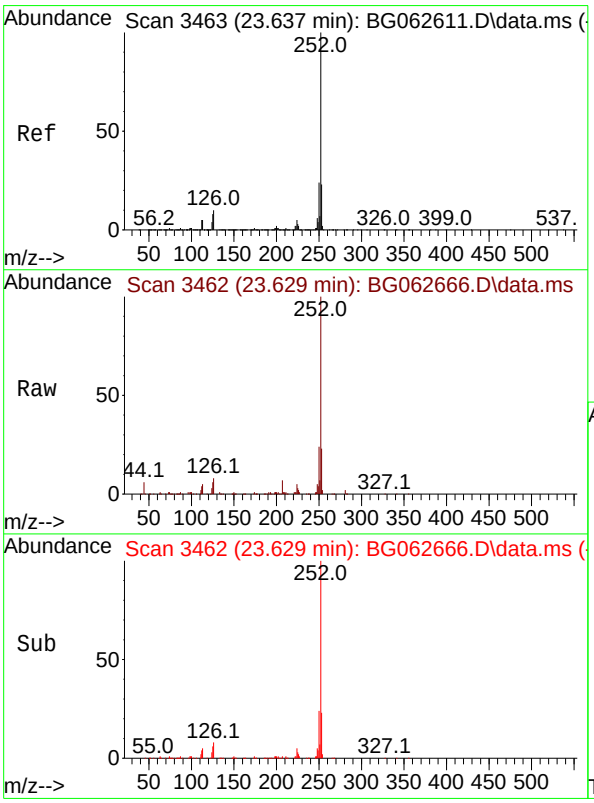
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.714 ng
RT: 28.047 min Scan# 4
Delta R.T. -0.025 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:276 Resp: 328789

Ion	Ratio	Lower	Upper
276	100		
138	11.3	14.9	22.3#
277	25.0	20.3	30.5

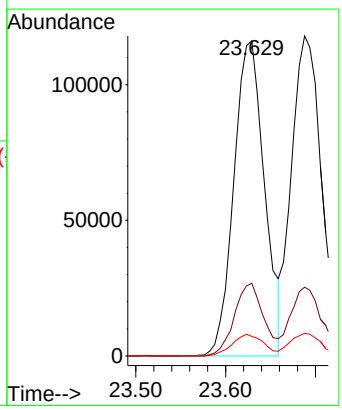


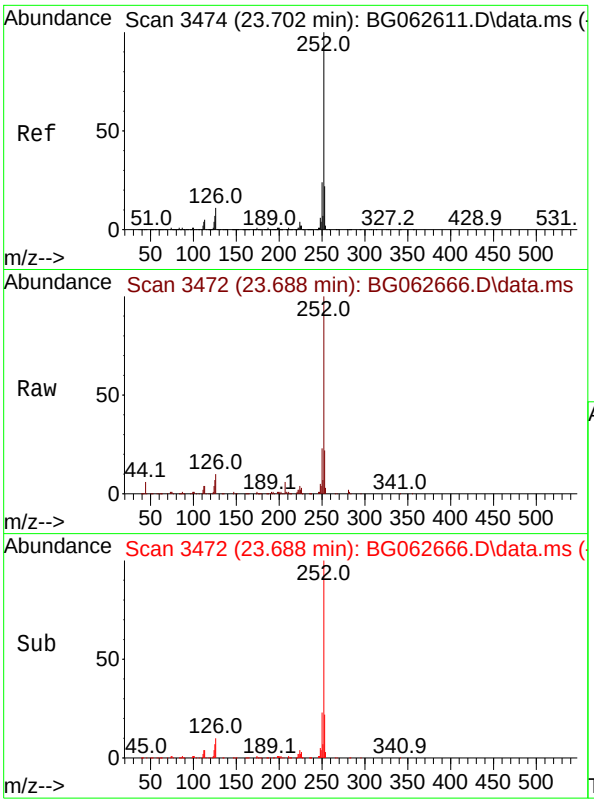


#88
Benzo(b)fluoranthene
Concen: 8.469 ng
RT: 23.629 min Scan# 3462
Delta R.T. -0.008 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:252 Resp: 275271

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	6.2	6.2	9.2



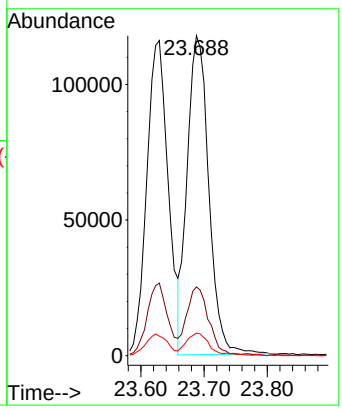


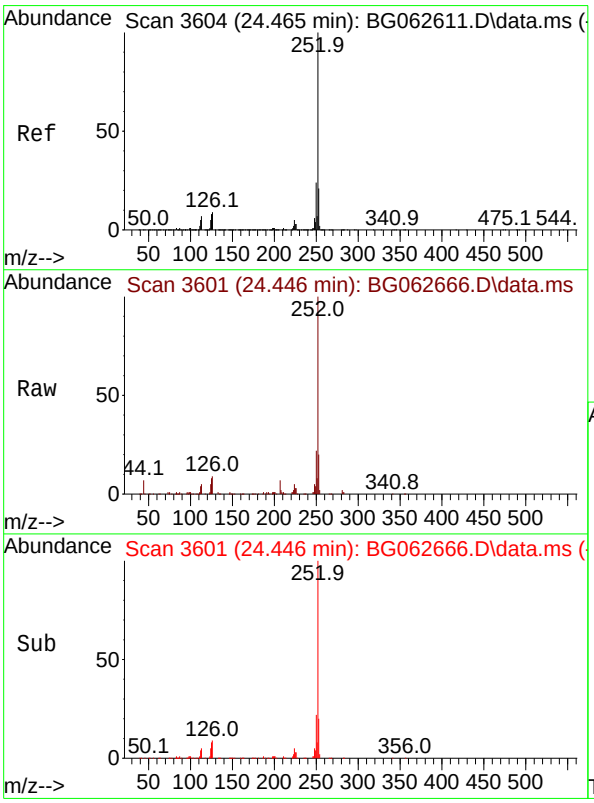
#89
Benzo(k)fluoranthene
Concen: 8.804 ng
RT: 23.688 min Scan# 3
Delta R.T. -0.014 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:252 Resp: 279910

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	7.0	6.1	9.1

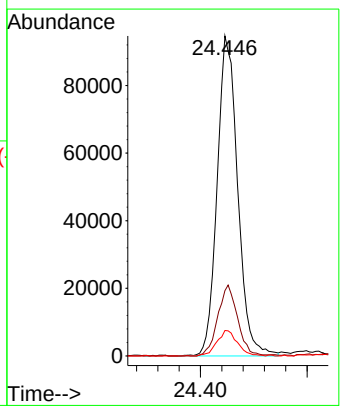


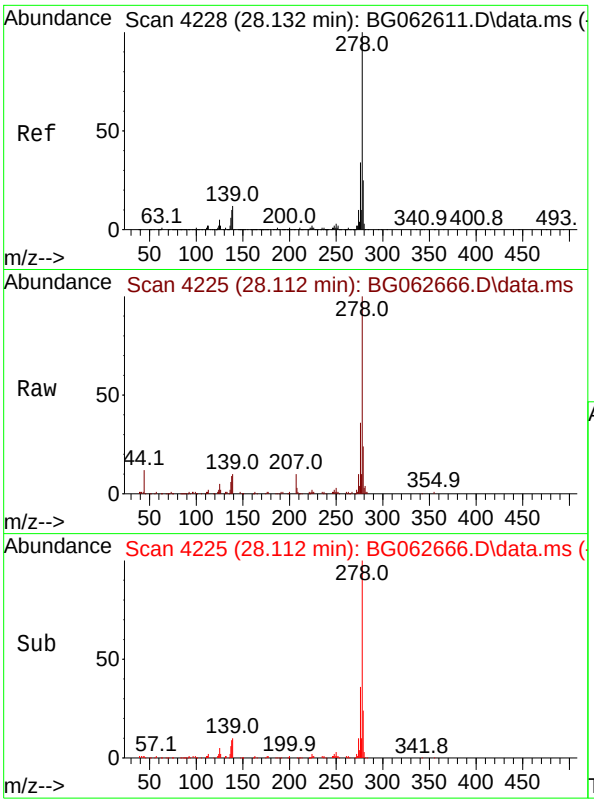


#90
Benzo(a)pyrene
Concen: 8.821 ng
RT: 24.446 min Scan# 3601
Delta R.T. -0.020 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:252 Resp: 253298

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.1	25.7
125	7.9	6.6	10.0



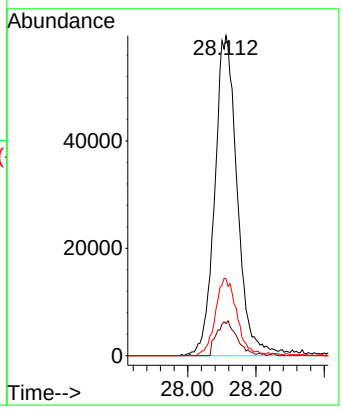


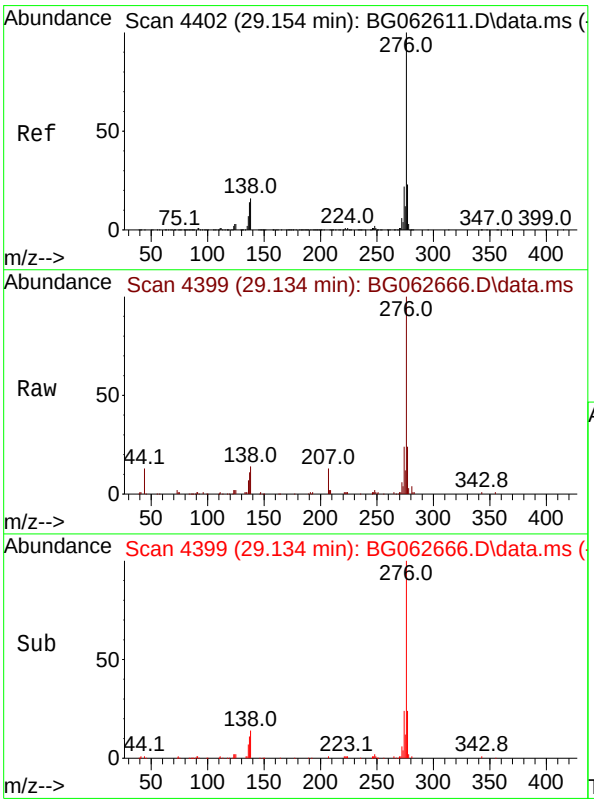
#91
Dibenzo(a,h)anthracene
Concen: 8.746 ng
RT: 28.112 min Scan# 4
Delta R.T. -0.020 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2024

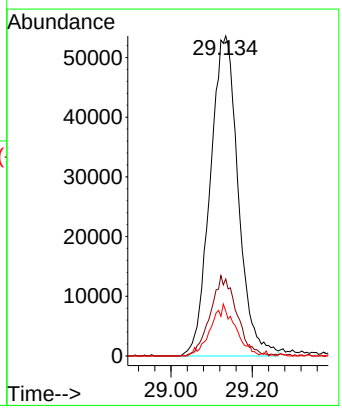
Tgt Ion:278 Resp: 271854

Ion	Ratio	Lower	Upper
278	100		
139	10.0	9.2	13.8
279	24.0	19.7	29.5





#92
Benzo(g,h,i)perylene
Concen: 8.205 ng
RT: 29.134 min Scan# 4399
Delta R.T. -0.020 min
Lab File: BG062666.D
Acq: 5 Sep 2024 14:29

Tgt Ion:276 Resp: 257177

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	14.0	12.7	19.1