

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101403.D
 Acq On : 29 Oct 2024 12:42
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 29 13:23:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.572	152	96533	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	489426	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	364612	20.000	ng	0.00
64) Phenanthrene-d10	16.914	188	880180	20.000	ng	0.00
76) Chrysene-d12	21.074	240	1010619	20.000	ng	0.00
86) Perylene-d12	23.360	264	1188813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	472889	85.858	ng	0.00
7) Phenol-d6	6.944	99	678730	88.873	ng	0.00
23) Nitrobenzene-d5	8.783	82	476722	61.179	ng	0.00
42) 2,4,6-Tribromophenol	15.686	330	579413	90.668	ng	0.00
45) 2-Fluorobiphenyl	12.801	172	1372193	63.735	ng	0.00
79) Terphenyl-d14	19.505	244	2791025	63.562	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.219	88	27360	13.319	ng	98
3) Pyridine	3.736	79	51567	8.873	ng	96
4) n-Nitrosodimethylamine	3.600	42	24075	10.706	ng	# 87
6) Aniline	7.014	93	112306	19.188	ng	98
8) 2-Chlorophenol	7.214	128	81794	12.382	ng	99
9) Benzaldehyde	6.785	77	60074	16.295	ng	99
10) Phenol	6.967	94	106211	12.818	ng	94
11) bis(2-Chloroethyl)ether	7.014	93	112306	16.521	ng	# 31
12) 1,3-Dichlorobenzene	7.455	146	88235	12.387	ng	98
13) 1,4-Dichlorobenzene	7.608	146	88739	12.199	ng	98
14) 1,2-Dichlorobenzene	7.937	146	87327	12.265	ng	98
15) Benzyl Alcohol	7.913	79	54895	12.059	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.066	45	113091	13.220	ng	98
17) 2-Methylphenol	8.154	107	63990	11.410	ng	98
18) Hexachloroethane	8.630	117	27904	11.747	ng	98
19) n-Nitroso-di-n-propyla...	8.371	70	65165	12.858	ng	97
20) 3+4-Methylphenols	8.489	107	88038	11.372	ng	98
22) Acetophenone	8.424	105	137071	12.334	ng	# 98
24) Nitrobenzene	8.824	77	97084	11.706	ng	98
25) Isophorone	9.270	82	186046	12.235	ng	100
26) 2-Nitrophenol	9.511	139	43513	10.855	ng	98
27) 2,4-Dimethylphenol	9.629	122	40407	8.011	ng	98
28) bis(2-Chloroethoxy)met...	9.776	93	109885	11.916	ng	98
29) 2,4-Dichlorophenol	10.058	162	80182	11.490	ng	98
30) 1,2,4-Trichlorobenzene	10.181	180	87849	11.556	ng	98
31) Naphthalene	10.387	128	297238	11.918	ng	100
32) Benzoic acid	9.834	122	37974	14.281	ng	97
33) 4-Chloroaniline	10.610	127	117239	13.518	ng	99
34) Hexachlorobutadiene	10.633	225	50214	11.159	ng	96
35) Caprolactam	11.385	113	29472	11.018	ng	96
36) 4-Chloro-3-methylphenol	11.779	107	90793	11.427	ng	99
37) 2-Methylnaphthalene	11.973	142	219382	12.209	ng	98
38) 1-Methylnaphthalene	12.202	142	206751	11.529	ng	99
40) 1,2,4,5-Tetrachloroben...	12.331	216	109153	11.925	ng	100
41) Hexachlorocyclopentadiene	12.314	237	39602	13.101	ng	98
43) 2,4,6-Trichlorophenol	12.649	196	71431	11.320	ng	99

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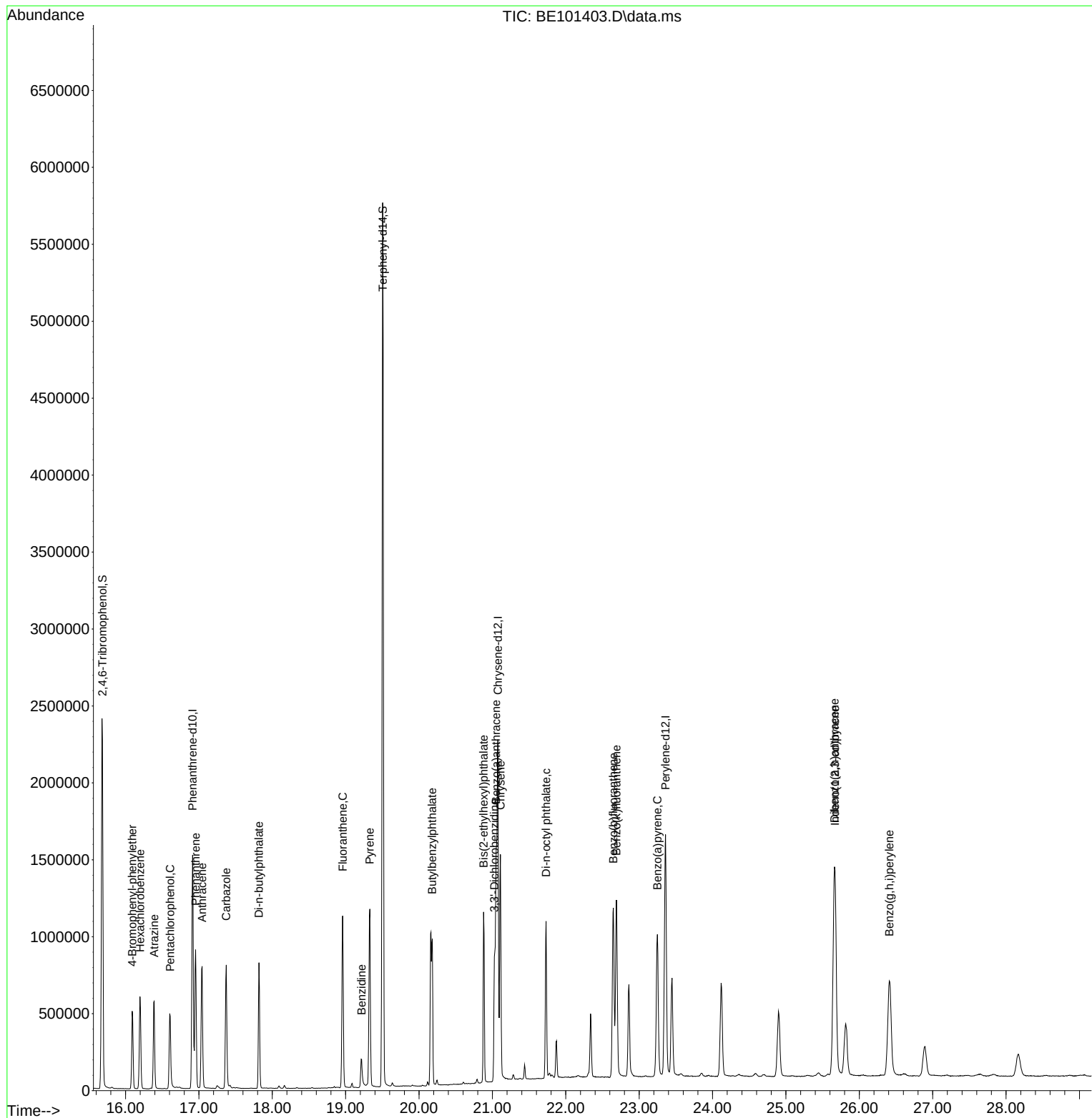
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.749	196	78994	10.932	ng	98
46) 1,1'-Biphenyl	13.007	154	310088	12.413	ng	100
47) 2-Chloronaphthalene	13.048	162	230825	11.696	ng	98
48) 2-Nitroaniline	13.383	65	60590	11.408	ng	97
49) Acenaphthylene	13.912	152	380294	13.030	ng	99
50) Dimethylphthalate	13.683	163	326003	12.667	ng	98
51) 2,6-Dinitrotoluene	13.818	165	66129	11.129	ng	98
52) Acenaphthene	14.241	154	231002	12.121	ng	100
53) 3-Nitroaniline	14.229	138	70617	11.952	ng	95
54) 2,4-Dinitrophenol	14.364	184	31913	12.645	ng	92
55) Dibenzofuran	14.582	168	382898	12.606	ng	97
56) 4-Nitrophenol	14.640	139	58188	10.754	ng	98
57) 2,4-Dinitrotoluene	14.599	165	90846	11.105	ng	91
58) Fluorene	15.222	166	316242	12.445	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.852	232	81909	12.269	ng	99
60) Diethylphthalate	15.005	149	338297	12.567	ng	98
61) 4-Chlorophenyl-phenyle...	15.210	204	153231	12.152	ng	96
62) 4-Nitroaniline	15.410	138	77201	11.742	ng	99
63) Azobenzene	15.504	77	291061	12.578	ng	98
65) 4,6-Dinitro-2-methylph...	15.345	198	59273	11.460	ng	97
66) n-Nitrosodiphenylamine	15.457	169	281890	12.077	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	105518	11.397	ng	100
68) Hexachlorobenzene	16.197	284	140525	11.579	ng	98
69) Atrazine	16.391	200	105132	14.692	ng	98
70) Pentachlorophenol	16.609	266	107500	15.389	ng	98
71) Phenanthrene	16.955	178	536412	12.729	ng	97
72) Anthracene	17.044	178	508462	12.357	ng	97
73) Carbazole	17.373	167	516908	12.277	ng	98
74) Di-n-butylphthalate	17.819	149	582289	12.562	ng	97
75) Fluoranthene	18.959	202	654414	12.785	ng	95
77) Benzidine	19.217	184	140213	10.932	ng	100
78) Pyrene	19.329	202	703505	12.658	ng	96
80) Butylbenzylphthalate	20.181	149	288885	11.857	ng	99
81) Benzo(a)anthracene	21.051	228	759286	13.367	ng	95
82) 3,3'-Dichlorobenzidine	21.027	252	261812	11.766	ng	99
83) Chrysene	21.109	228	729629	13.285	ng	94
84) Bis(2-ethylhexyl)phtha...	20.880	149	382917	11.831	ng	# 95
85) Di-n-octyl phthalate	21.732	149	663125	12.483	ng	100
87) Indeno(1,2,3-cd)pyrene	25.669	276	1082264	13.603	ng	99
88) Benzo(b)fluoranthene	22.649	252	792441	12.791	ng	97
89) Benzo(k)fluoranthene	22.690	252	839727	14.508	ng	97
90) Benzo(a)pyrene	23.248	252	749172	13.827	ng	99
91) Dibenzo(a,h)anthracene	25.663	278	884922	13.461	ng	99
92) Benzo(g,h,i)perylene	26.409	276	825102	12.181	ng	100

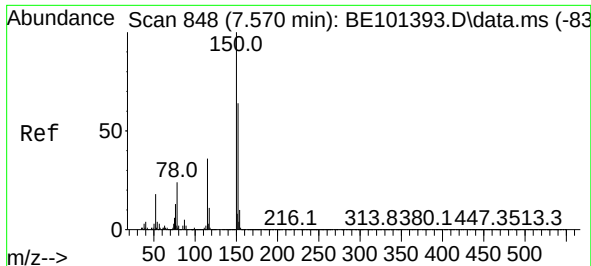
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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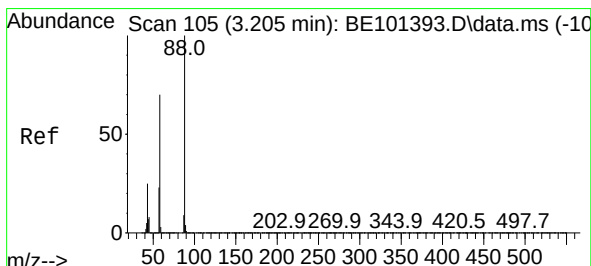
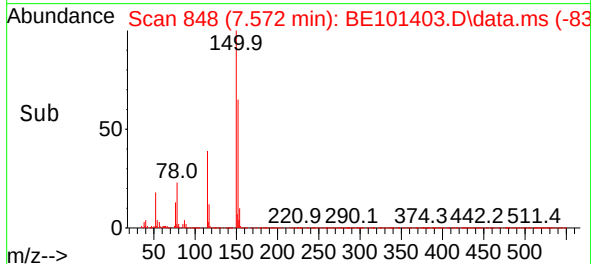
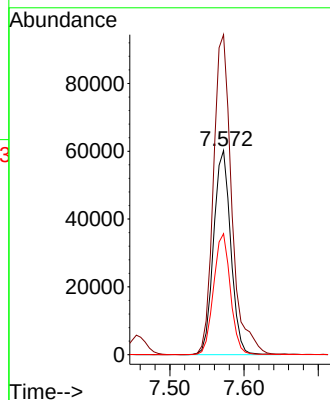
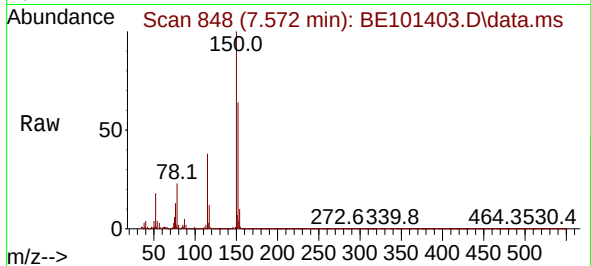




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.572 min Scan# 84
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

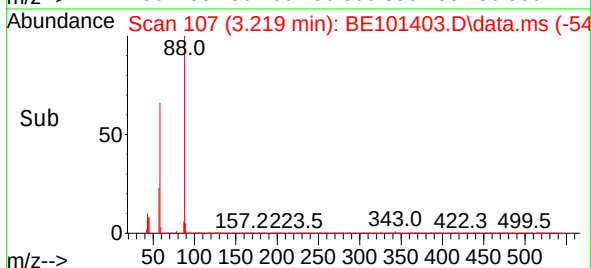
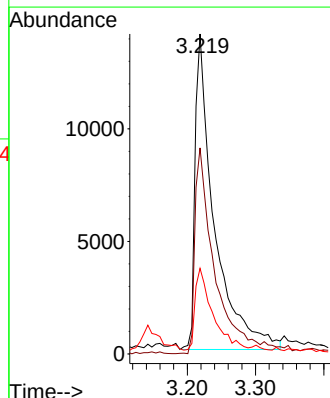
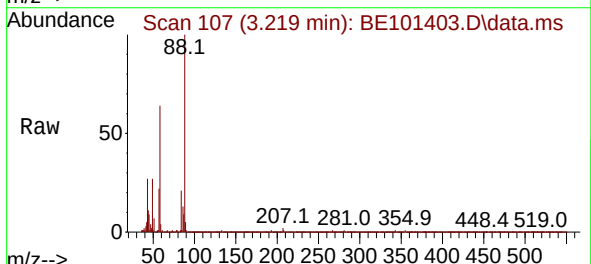
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

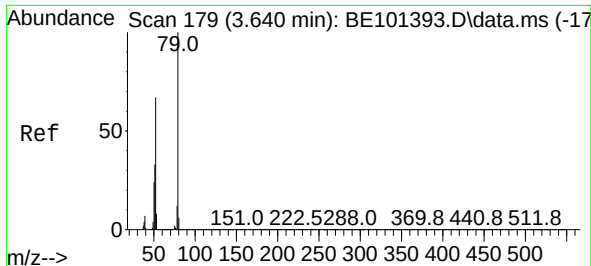
Tgt Ion:152 Resp: 96533
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.4
115 59.3 45.3 67.9



#2
1,4-Dioxane
Concen: 13.319 ng
RT: 3.219 min Scan# 107
Delta R.T. 0.014 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 88 Resp: 27360
Ion Ratio Lower Upper
88 100
58 68.8 56.5 84.7
43 23.8 19.8 29.8





#3

Pyridine

Concen: 8.873 ng

RT: 3.736 min Scan# 11

Delta R.T. 0.096 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

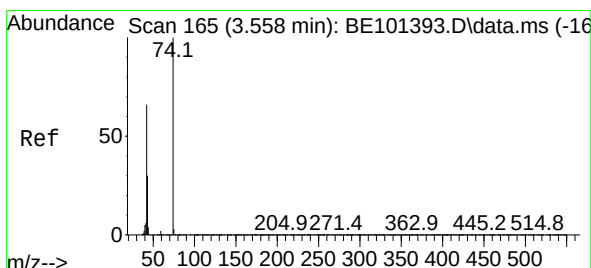
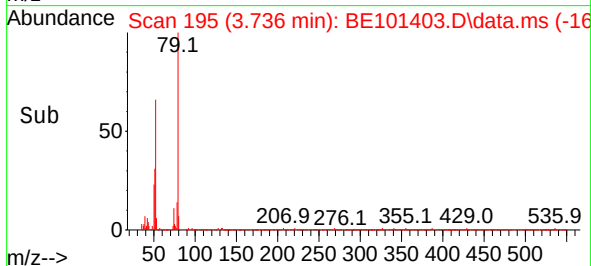
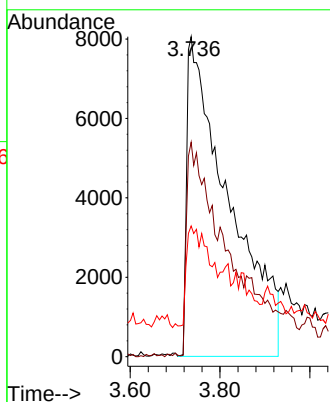
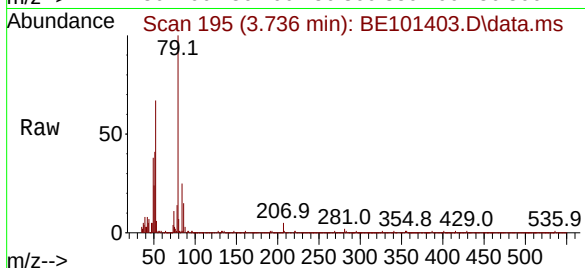
Tgt Ion: 79 Resp: 51567

Ion Ratio Lower Upper

79 100

52 67.0 53.3 79.9

51 40.8 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 10.706 ng

RT: 3.600 min Scan# 172

Delta R.T. 0.043 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

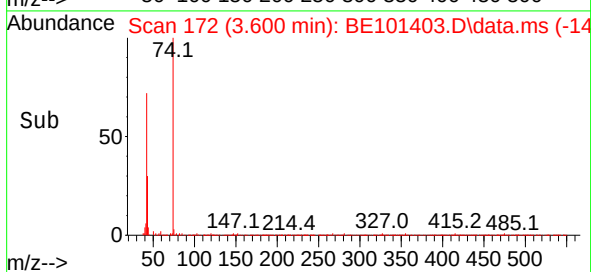
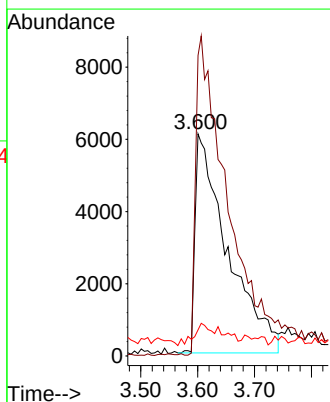
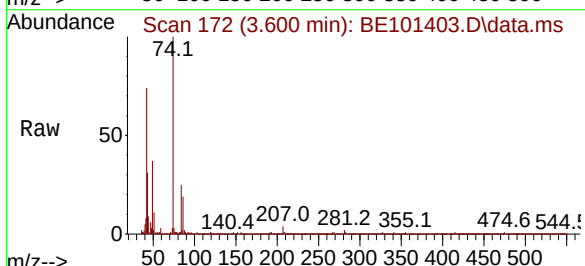
Tgt Ion: 42 Resp: 24075

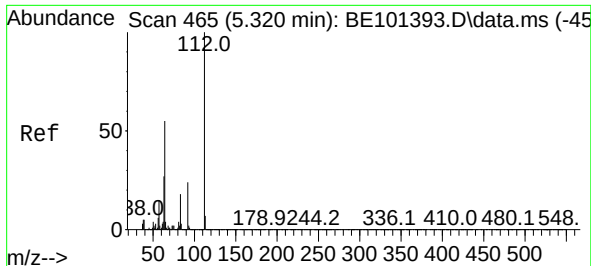
Ion Ratio Lower Upper

42 100

74 135.2 121.4 182.0

44 11.8 5.6 8.4#

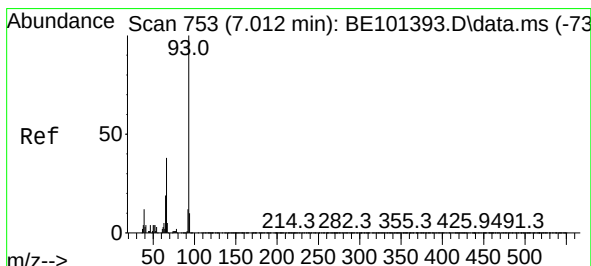
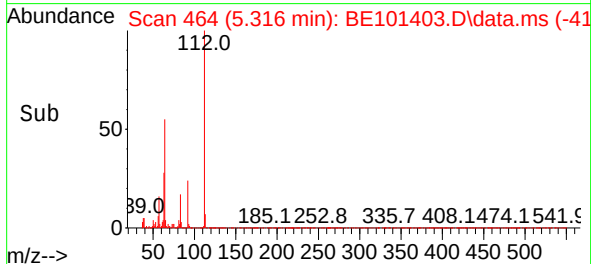
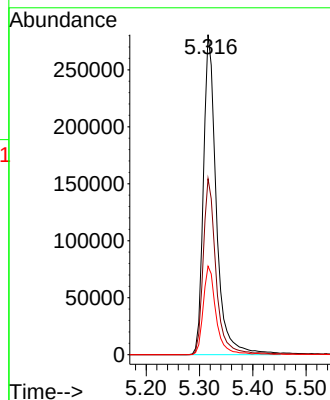
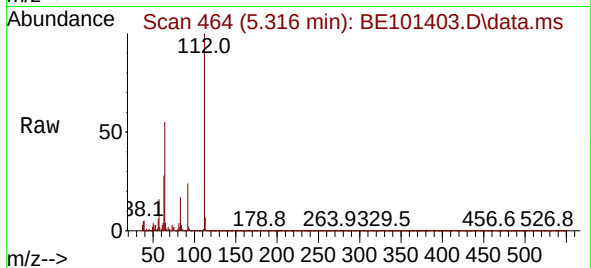




#5
2-Fluorophenol
Concen: 85.858 ng
RT: 5.316 min Scan# 465
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

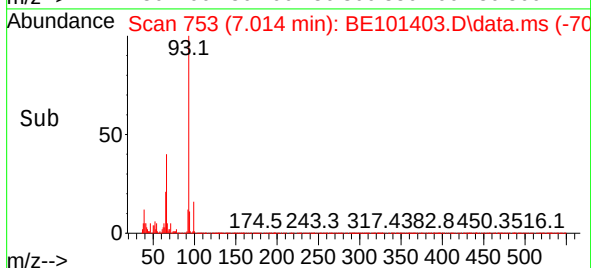
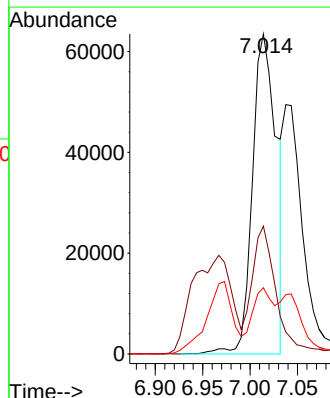
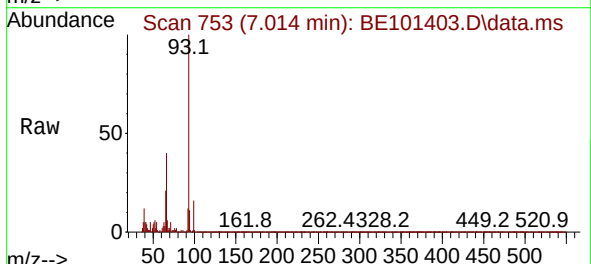
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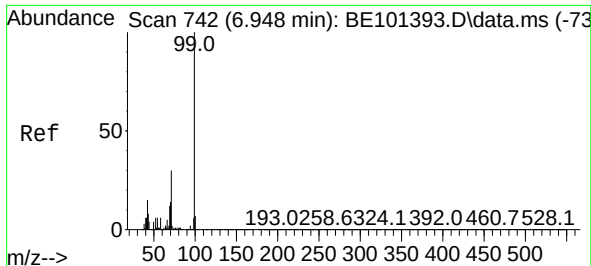
Tgt Ion:112 Resp: 472889
Ion Ratio Lower Upper
112 100
64 55.0 43.7 65.5
63 27.7 21.4 32.2



#6
Aniline
Concen: 19.188 ng
RT: 7.014 min Scan# 753
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 93 Resp: 112306
Ion Ratio Lower Upper
93 100
66 40.0 31.0 46.4
65 20.7 15.5 23.3

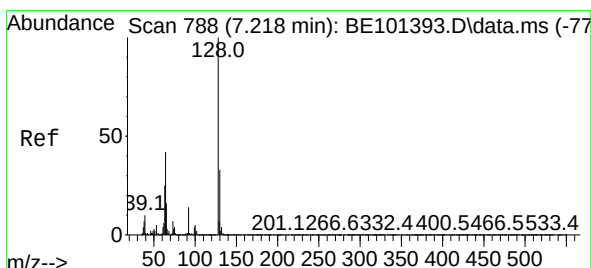
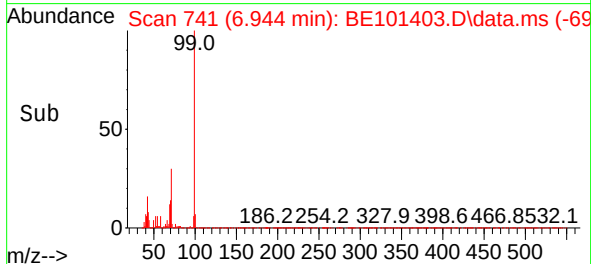
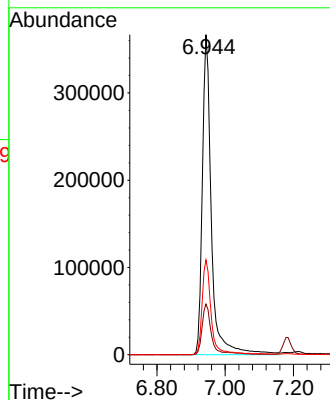
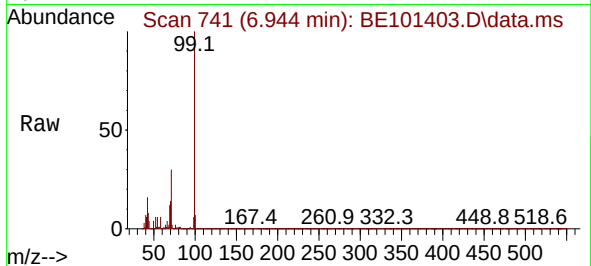




#7
Phenol-d6
Concen: 88.873 ng
RT: 6.944 min Scan# 741
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

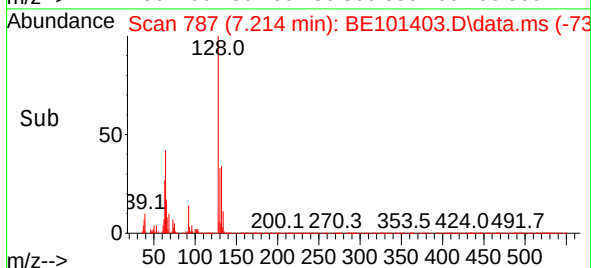
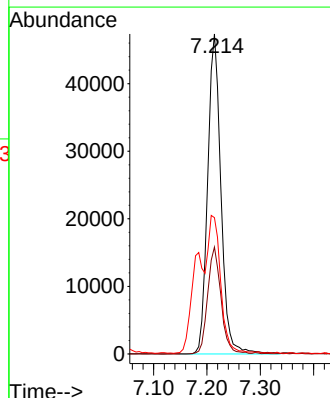
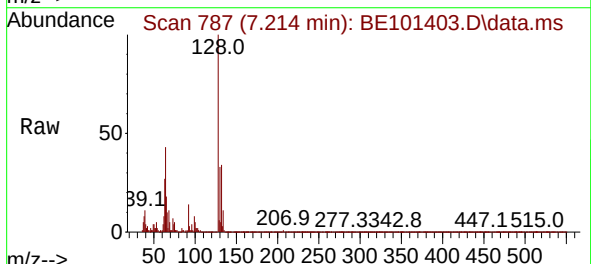
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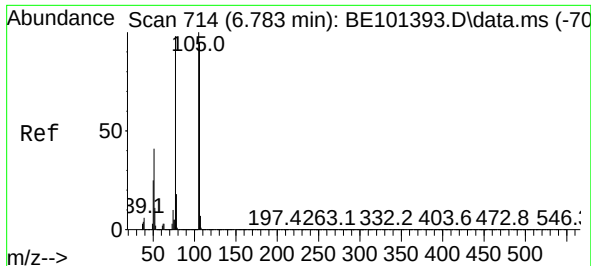
Tgt Ion: 99 Resp: 678730
Ion Ratio Lower Upper
99 100
42 15.8 12.3 18.5
71 29.6 23.8 35.8



#8
2-Chlorophenol
Concen: 12.382 ng
RT: 7.214 min Scan# 787
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 128 Resp: 81794
Ion Ratio Lower Upper
128 100
130 33.4 12.9 52.9
64 42.6 22.3 62.3





#9

Benzaldehyde

Concen: 16.295 ng

RT: 6.785 min Scan# 714

Delta R.T. 0.002 min

Lab File: BE101403.D

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ClientSampleId :

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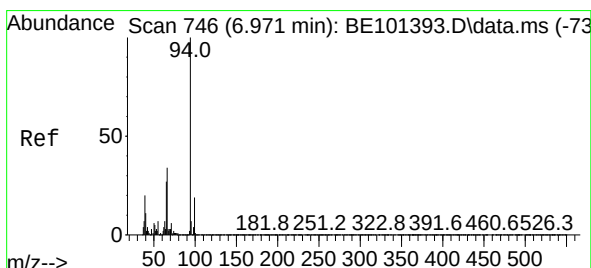
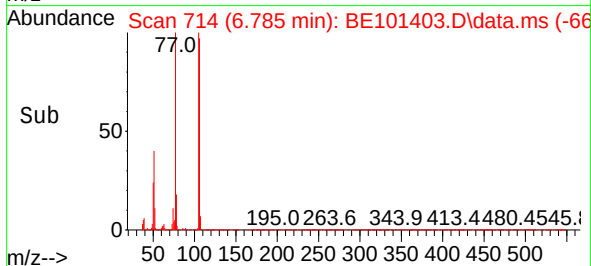
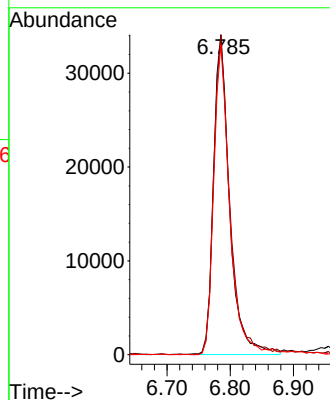
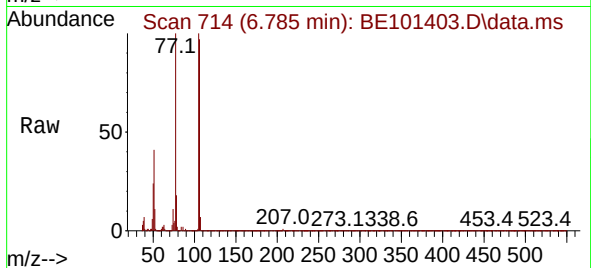
Tgt Ion: 77 Resp: 60074

Ion Ratio Lower Upper

77 100

105 100.0 81.9 121.9

106 97.0 76.5 116.5



#10

Phenol

Concen: 12.818 ng

RT: 6.967 min Scan# 745

Delta R.T. -0.004 min

Lab File: BE101403.D

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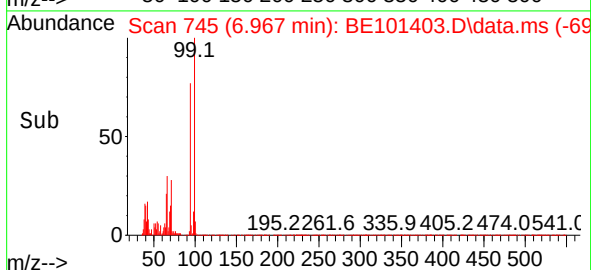
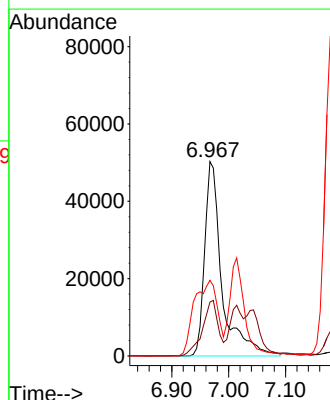
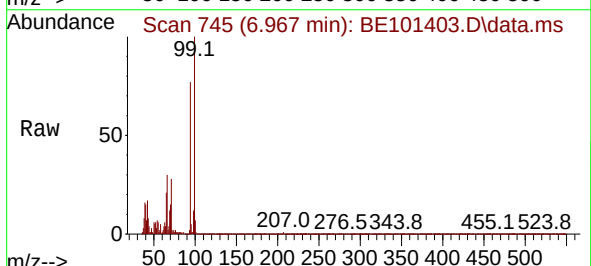
Tgt Ion: 94 Resp: 106211

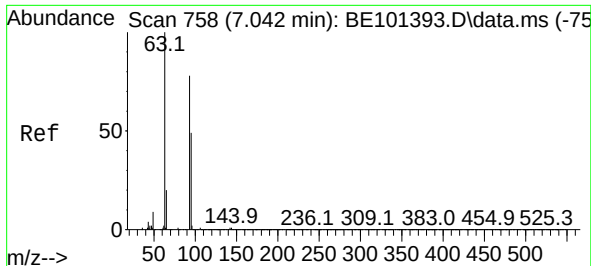
Ion Ratio Lower Upper

94 100

65 27.7 6.8 46.8

66 38.9 14.0 54.0





#11

bis(2-Chloroethyl)ether

Concen: 16.521 ng

RT: 7.014 min Scan# 7

Delta R.T. -0.028 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

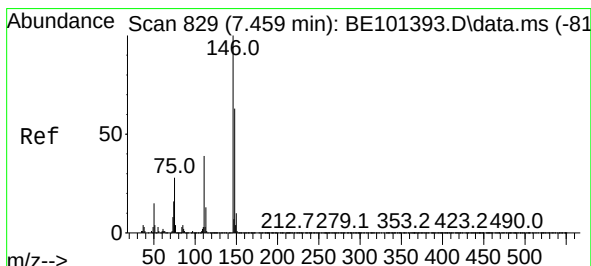
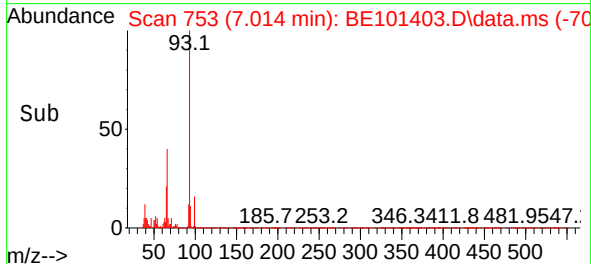
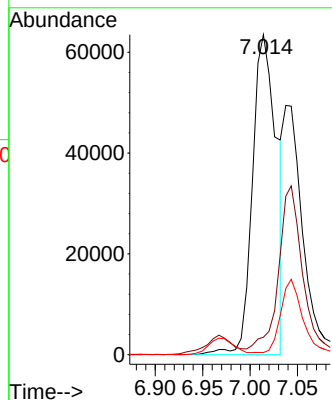
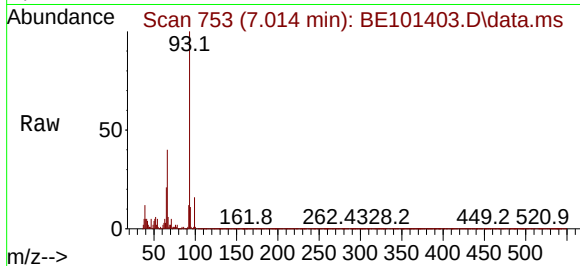
Tgt Ion: 93 Resp: 112306

Ion Ratio Lower Upper

93 100

63 5.5 46.3 86.3#

95 0.6 9.6 49.6#



#12

1,3-Dichlorobenzene

Concen: 12.387 ng

RT: 7.455 min Scan# 828

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

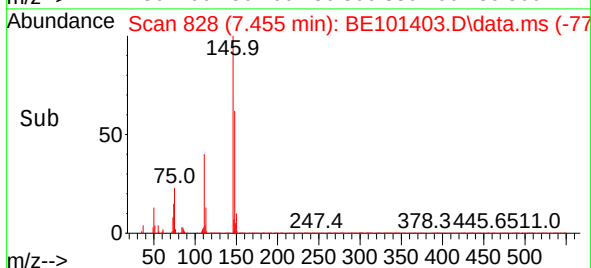
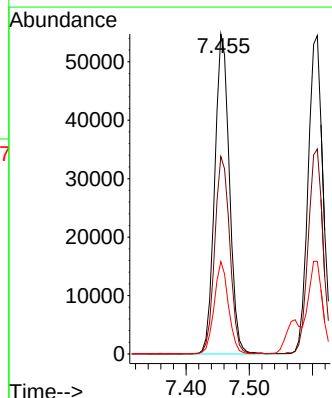
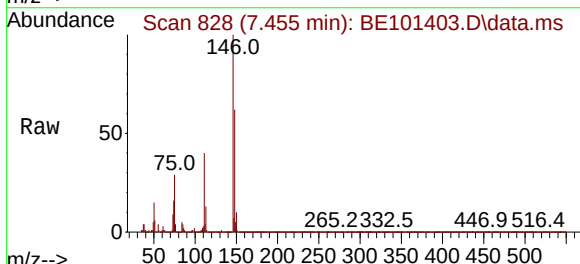
Tgt Ion:146 Resp: 88235

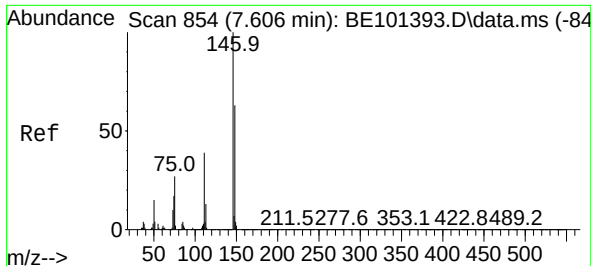
Ion Ratio Lower Upper

146 100

148 61.7 50.5 75.7

75 28.9 22.0 33.0

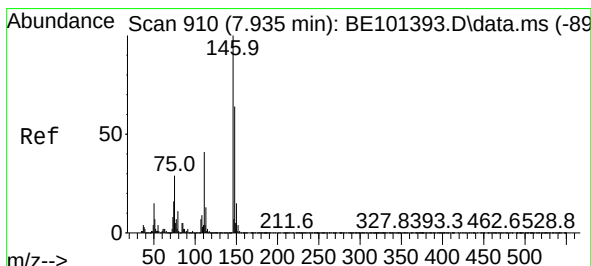
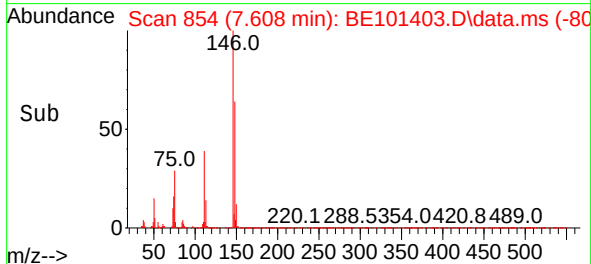
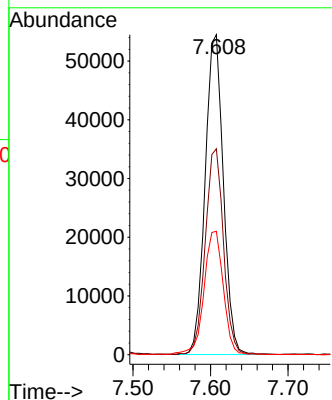
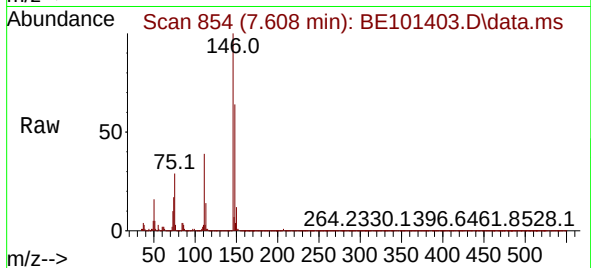




#13
1,4-Dichlorobenzene
Concen: 12.199 ng
RT: 7.608 min Scan# 854
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

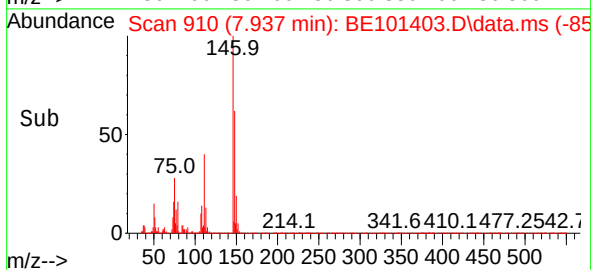
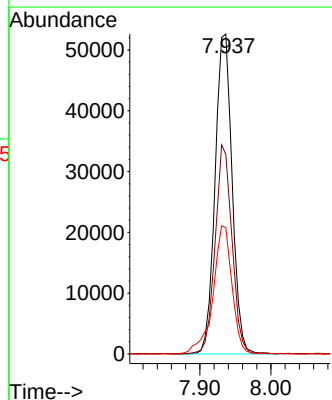
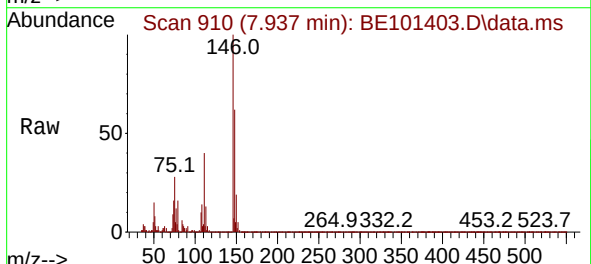
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

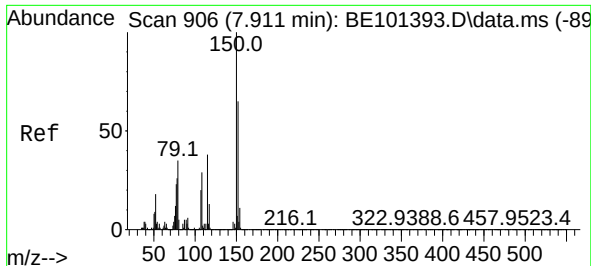
Tgt Ion:146 Resp: 88739
Ion Ratio Lower Upper
146 100
148 64.4 50.2 75.2
111 38.5 31.6 47.4



#14
1,2-Dichlorobenzene
Concen: 12.265 ng
RT: 7.937 min Scan# 910
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:146 Resp: 87327
Ion Ratio Lower Upper
146 100
148 62.3 51.4 77.2
111 39.5 32.8 49.2

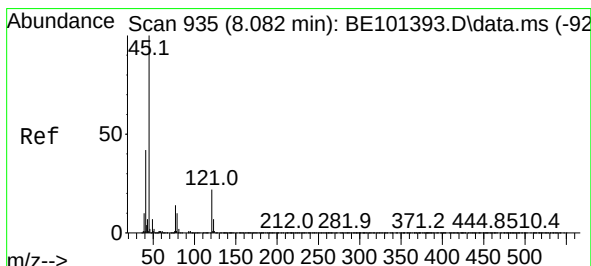
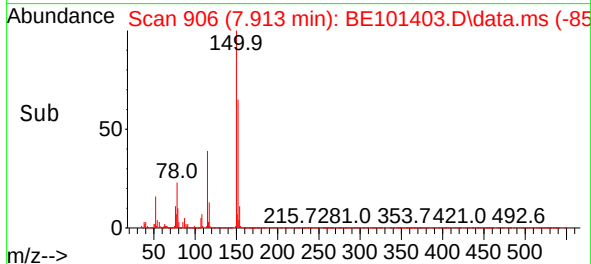
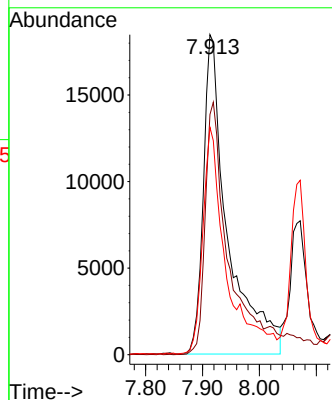
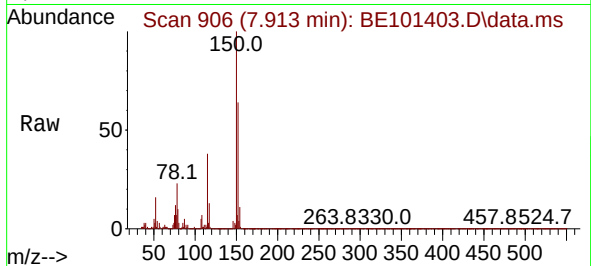




#15
Benzyl Alcohol
Concen: 12.059 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

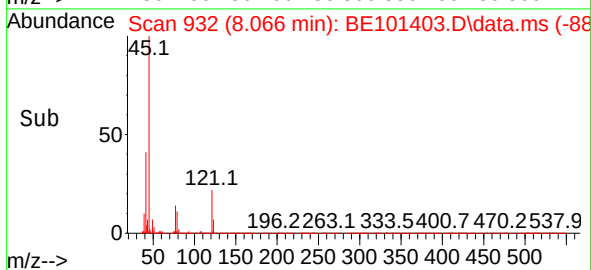
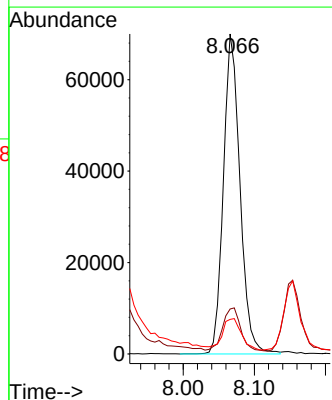
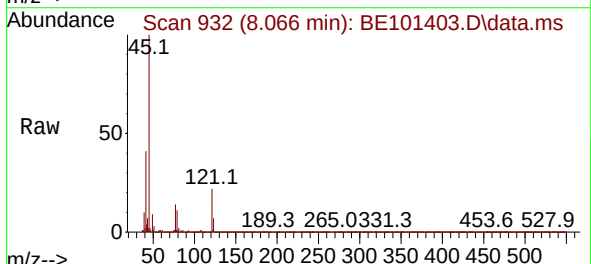
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

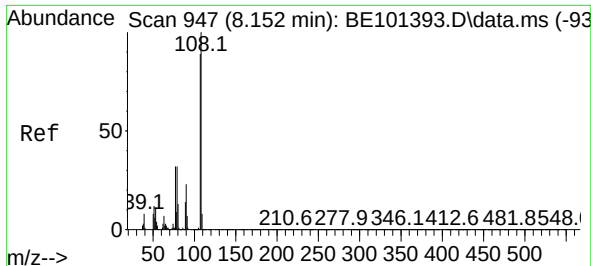
Tgt Ion: 79 Resp: 54895
Ion Ratio Lower Upper
79 100
108 75.0 66.1 99.1
77 71.1 53.1 79.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.220 ng
RT: 8.066 min Scan# 932
Delta R.T. -0.016 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 45 Resp: 113091
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.5
79 10.8 0.0 31.8

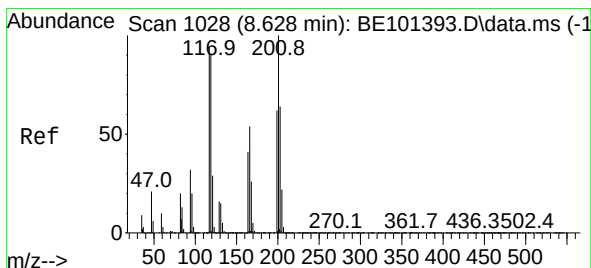
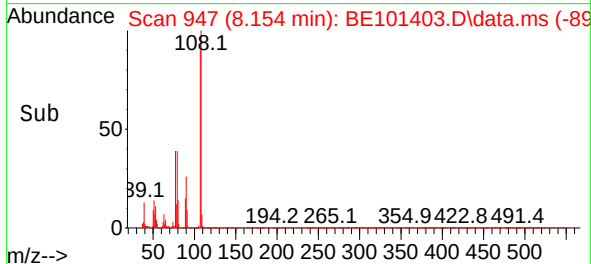
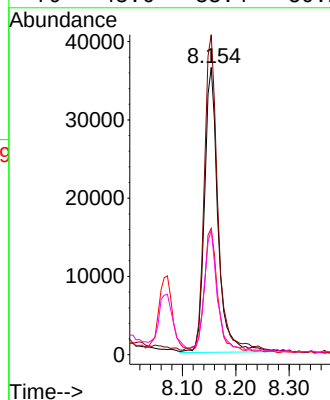
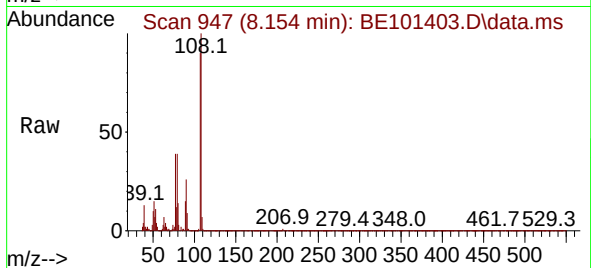




#17
2-Methylphenol
Concen: 11.410 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

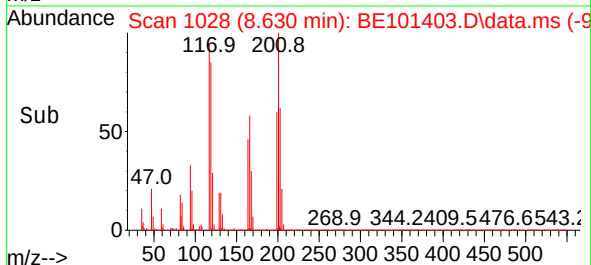
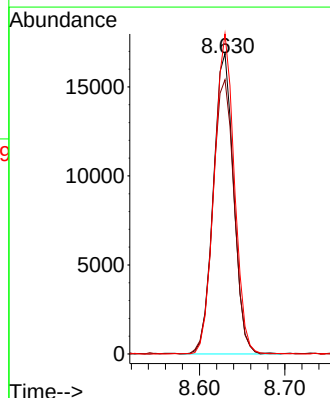
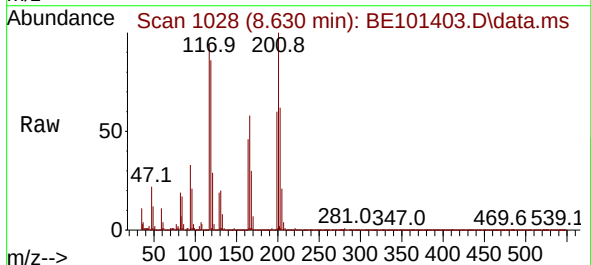
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

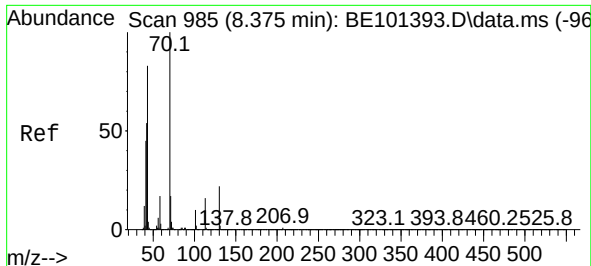
Tgt Ion:	107	Resp:	63990
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.0	135.0
77	44.0	34.2	51.4
79	43.6	33.4	50.2



#18
Hexachloroethane
Concen: 11.747 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:	117	Resp:	27904
Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.0	115.4
201	106.5	85.3	127.9



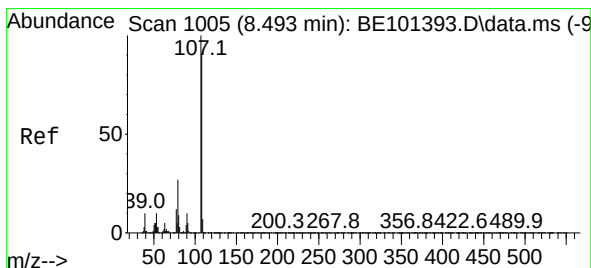
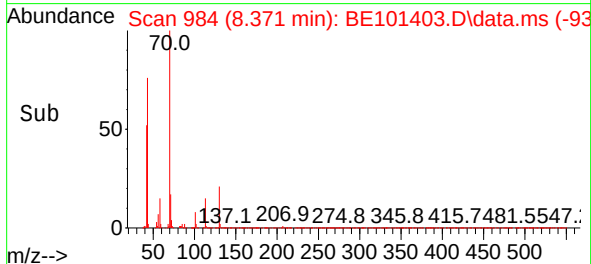
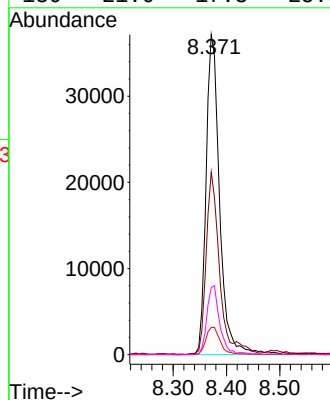
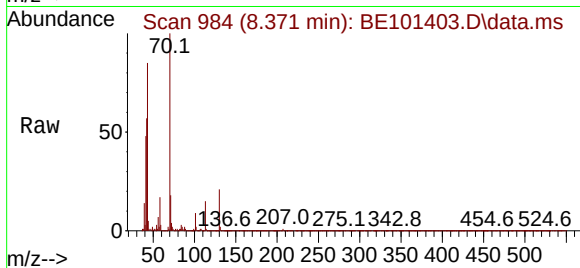


#19
n-Nitroso-di-n-propylamine
Concen: 12.858 ng
RT: 8.371 min Scan# 985
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 70 Resp: 65165

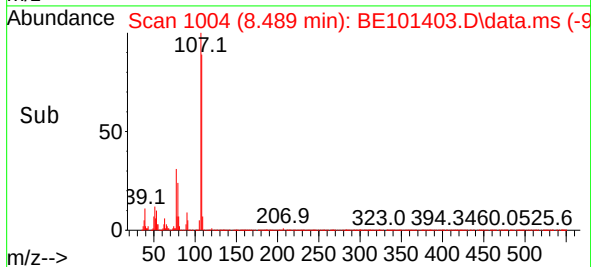
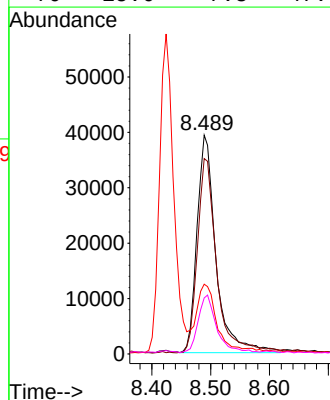
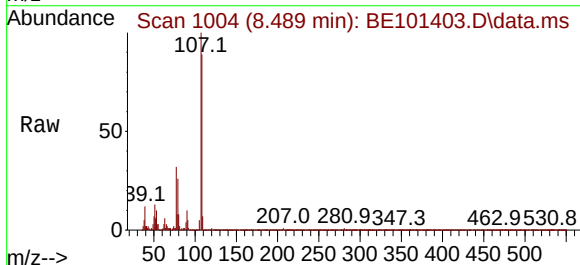
Ion	Ratio	Lower	Upper
70	100		
42	57.1	43.4	65.0
101	8.5	8.1	12.1
130	21.0	17.3	25.9

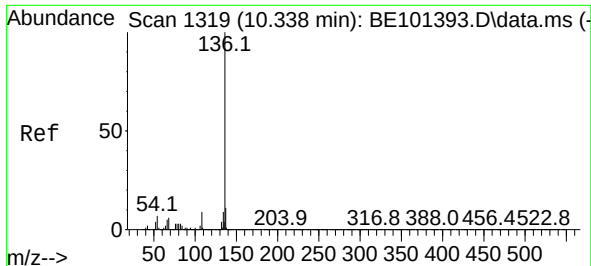


#20
3+4-Methylphenols
Concen: 11.372 ng
RT: 8.489 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 107 Resp: 88038

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.6	110.6
77	31.9	11.3	51.3
79	25.6	7.3	47.3

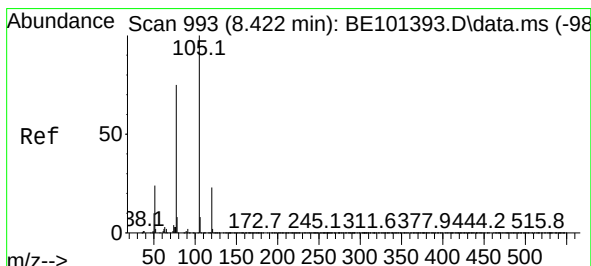
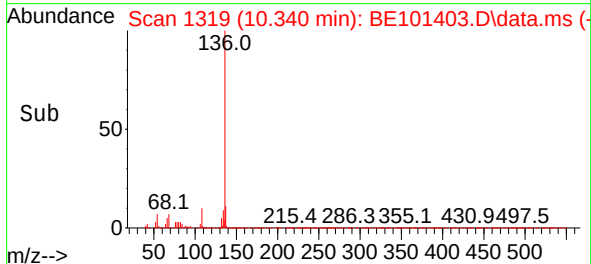
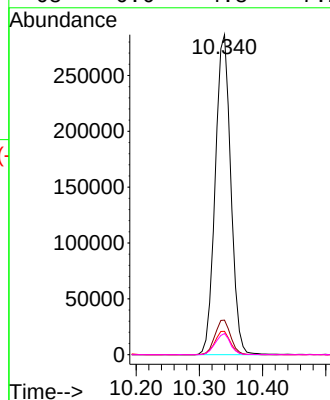
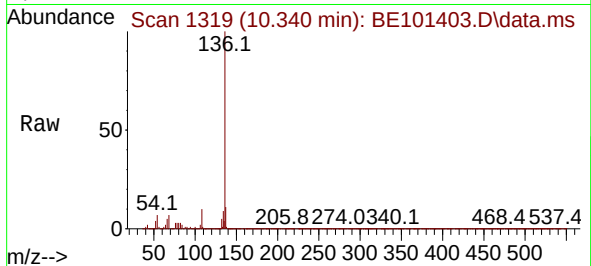




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

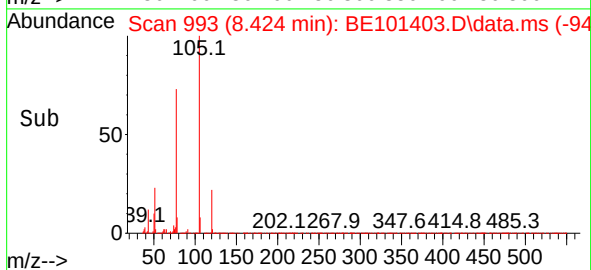
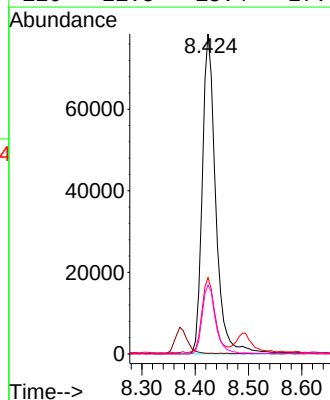
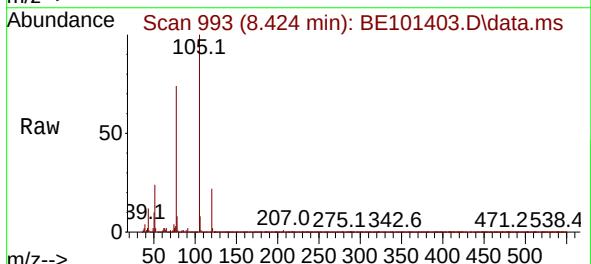
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

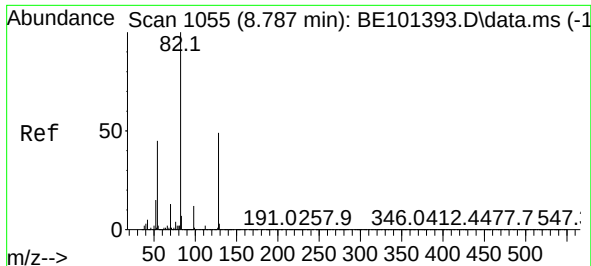
Tgt Ion:	136	Resp:	489426
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.3	5.9	8.9
68	6.6	4.8	7.2



#22
Acetophenone
Concen: 12.334 ng
RT: 8.424 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:	105	Resp:	137071
Ion	Ratio	Lower	Upper
105	100		
71	0.2	0.1	0.1#
51	23.8	19.4	29.0
120	21.5	18.4	27.6

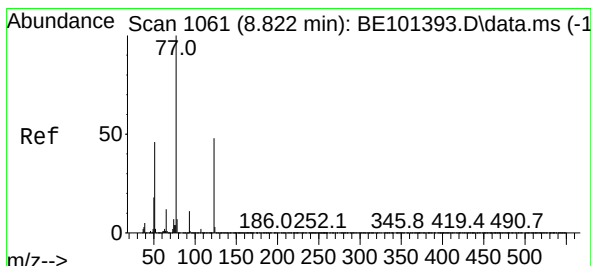
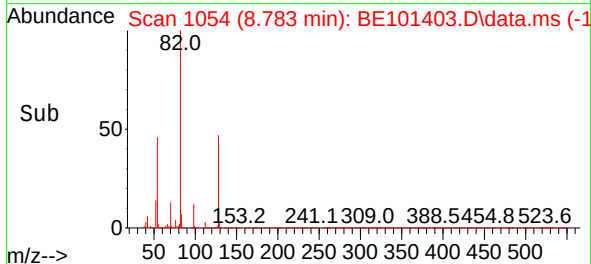
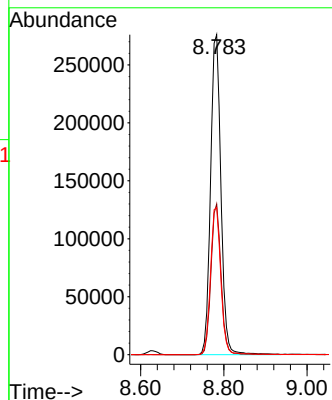
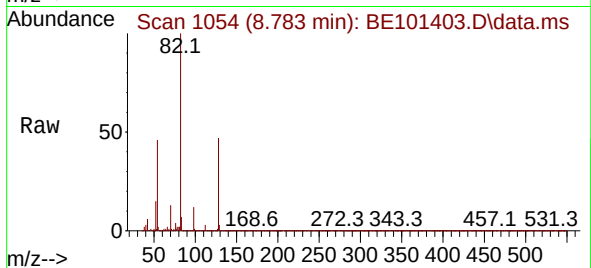




#23
Nitrobenzene-d5
Concen: 61.179 ng
RT: 8.783 min Scan# 1054
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

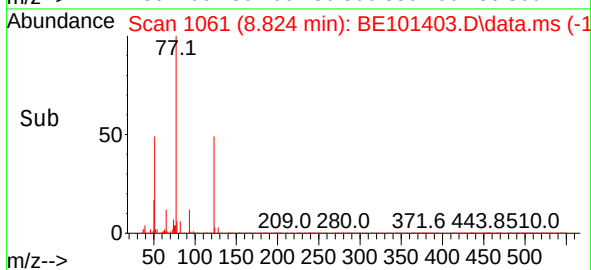
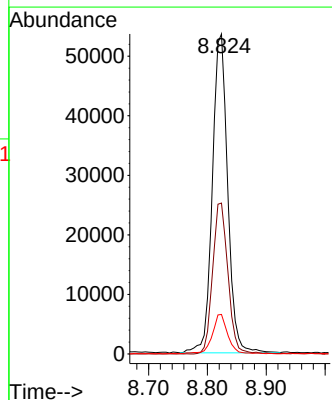
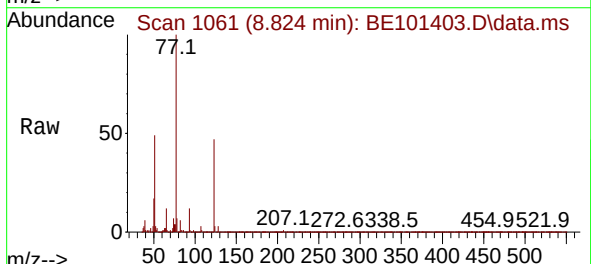
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

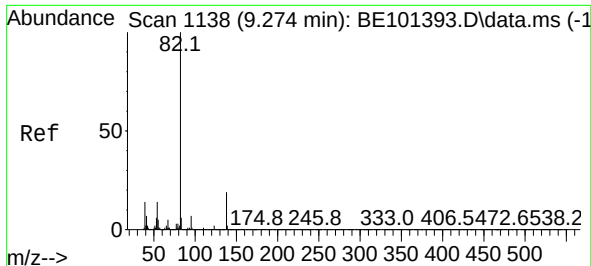
Tgt Ion: 82 Resp: 476722
Ion Ratio Lower Upper
82 100
128 47.1 38.9 58.3
54 46.0 36.2 54.4



#24
Nitrobenzene
Concen: 11.706 ng
RT: 8.824 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 77 Resp: 97084
Ion Ratio Lower Upper
77 100
123 47.1 38.7 58.1
65 12.4 10.0 15.0

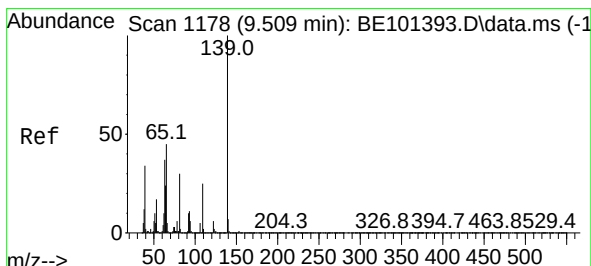
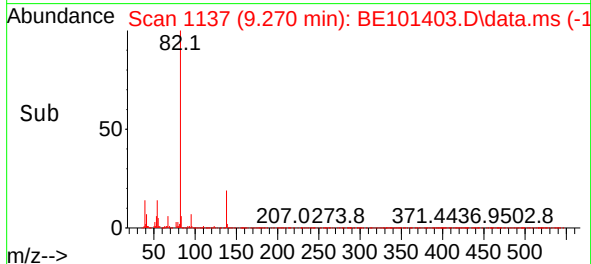
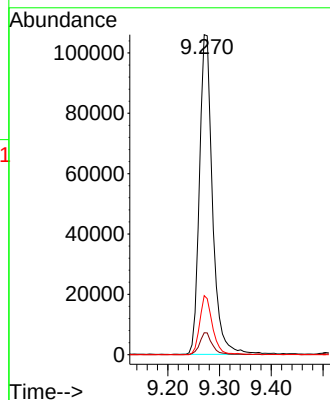
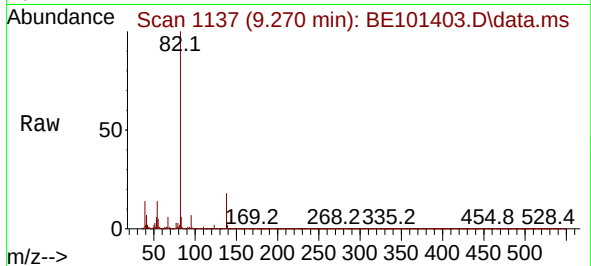




#25
Isophorone
Concen: 12.235 ng
RT: 9.270 min Scan# 1138
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

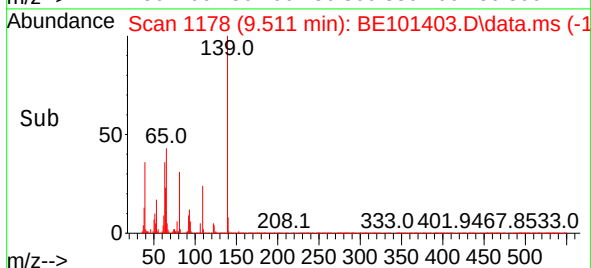
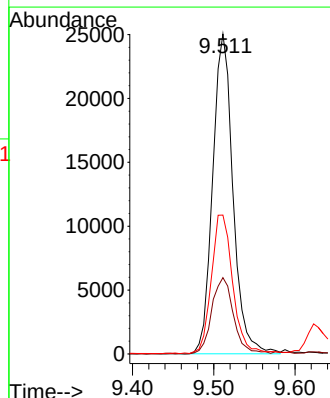
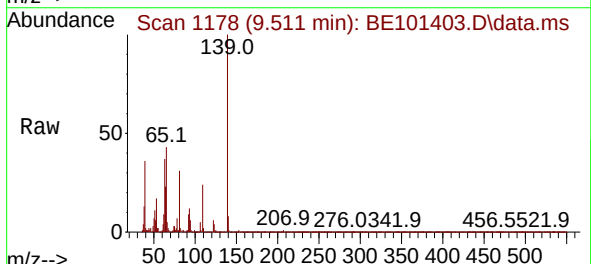
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

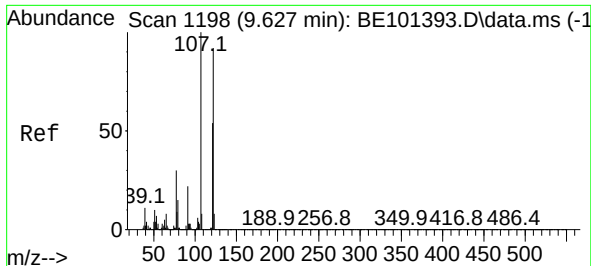
Tgt Ion: 82 Resp: 186046
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 18.5 15.0 22.4



#26
2-Nitrophenol
Concen: 10.855 ng
RT: 9.511 min Scan# 1178
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 139 Resp: 43513
Ion Ratio Lower Upper
139 100
109 23.9 20.1 30.1
65 43.4 36.0 54.0

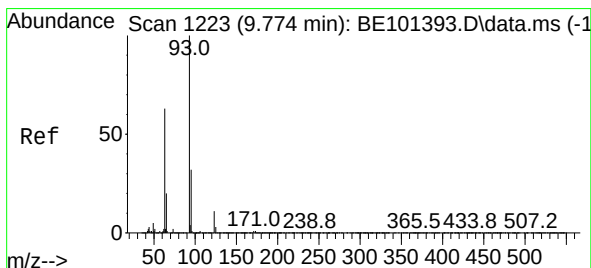
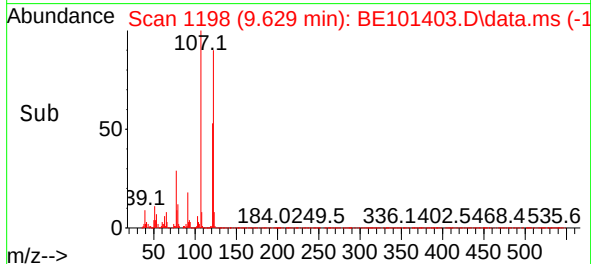
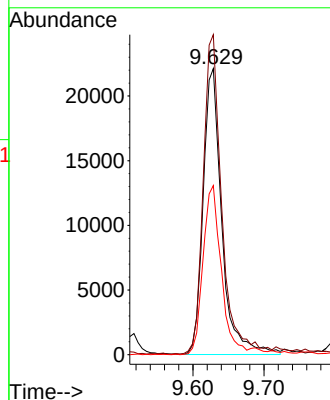
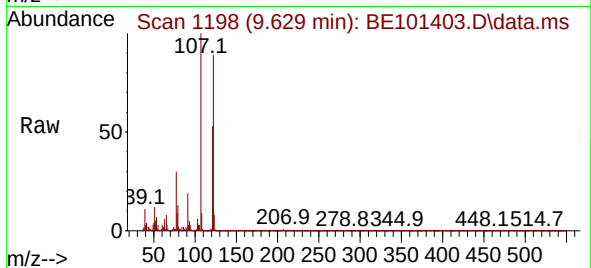




#27
2,4-Dimethylphenol
Concen: 8.011 ng
RT: 9.629 min Scan# 1198
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

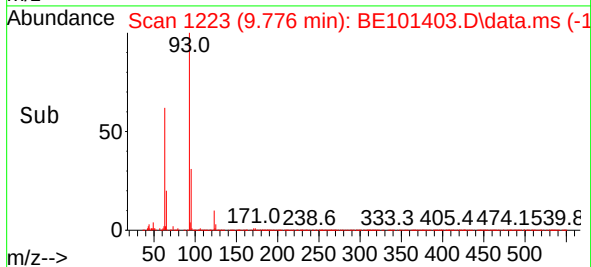
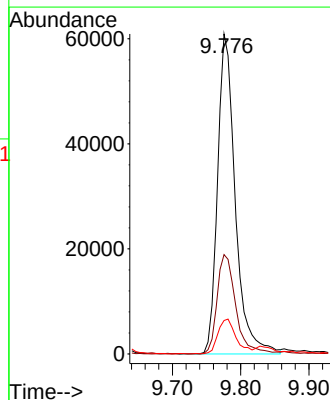
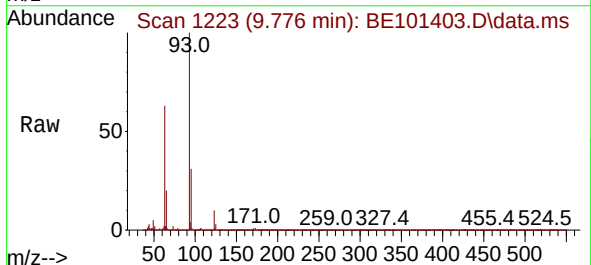
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

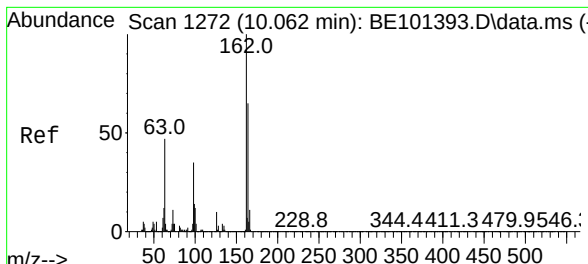
Tgt Ion:122 Resp: 40407
Ion Ratio Lower Upper
122 100
107 111.9 87.4 131.0
121 59.1 47.4 71.0



#28
bis(2-Chloroethoxy)methane
Concen: 11.916 ng
RT: 9.776 min Scan# 1223
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 93 Resp: 109885
Ion Ratio Lower Upper
93 100
95 31.0 25.8 38.6
123 10.5 8.6 13.0

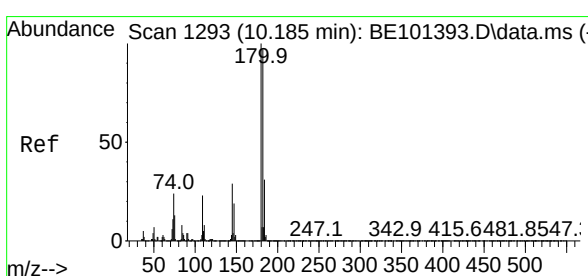
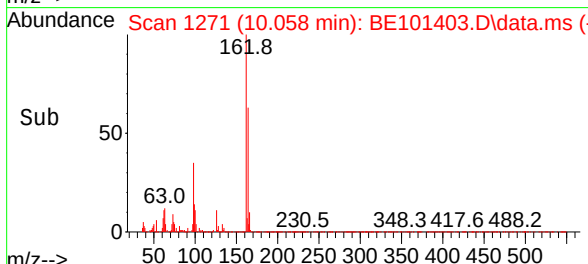
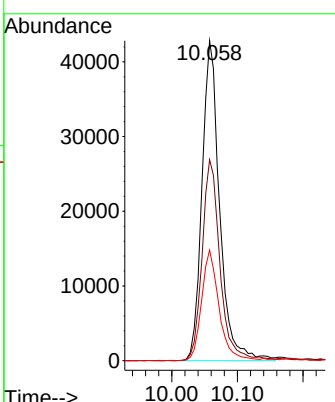
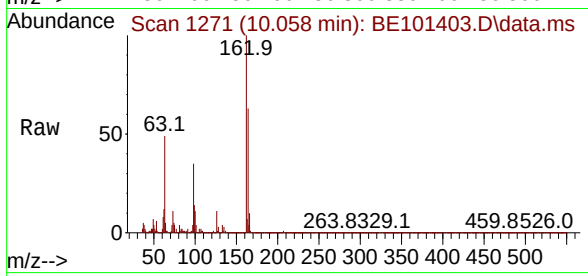




#29
2,4-Dichlorophenol
Concen: 11.490 ng
RT: 10.058 min Scan# 1271
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

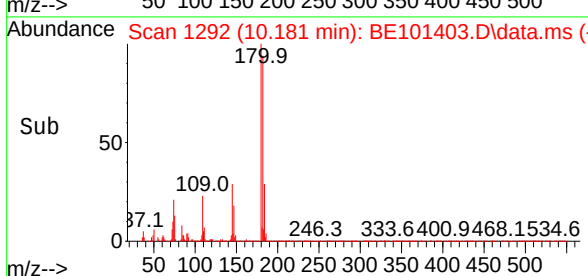
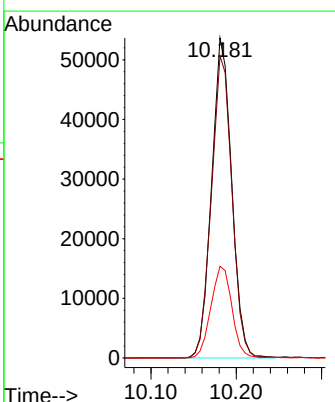
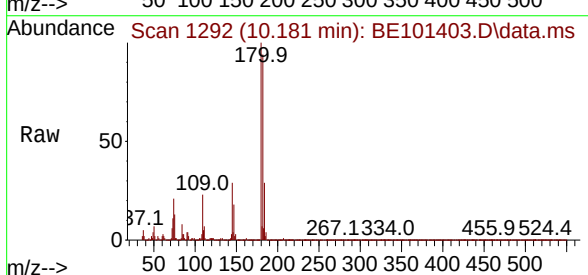
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

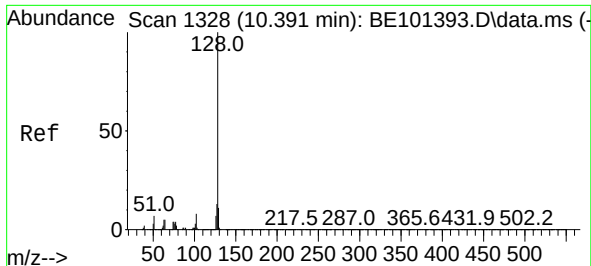
Tgt Ion:162	Resp:	80182
Ion Ratio	Lower	Upper
162	100	
164	62.8	45.4 85.4
98	34.6	14.5 54.5



#30
1,2,4-Trichlorobenzene
Concen: 11.556 ng
RT: 10.181 min Scan# 1292
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:180	Resp:	87849
Ion Ratio	Lower	Upper
180	100	
182	94.4	77.4 116.0
145	28.7	23.3 34.9

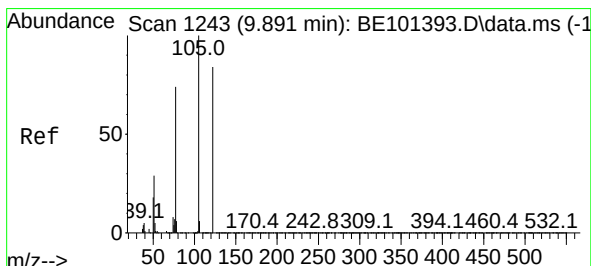
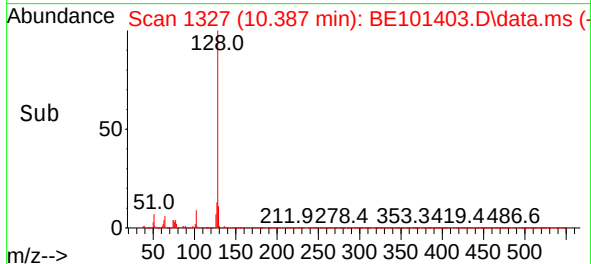
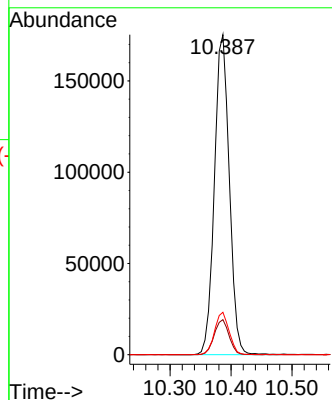
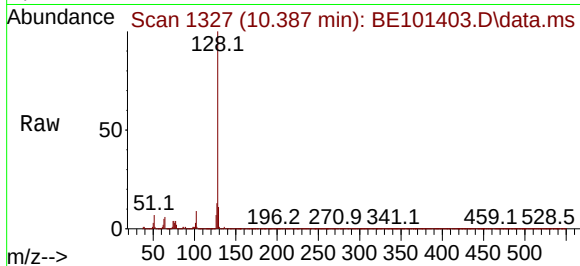




#31
Naphthalene
Concen: 11.918 ng
RT: 10.387 min Scan# 11
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

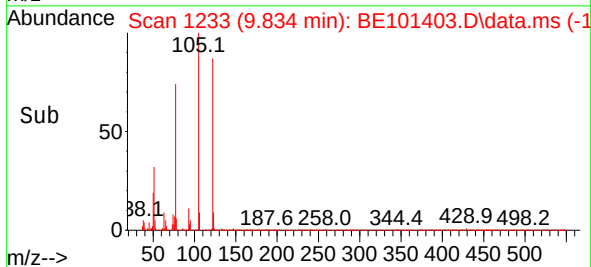
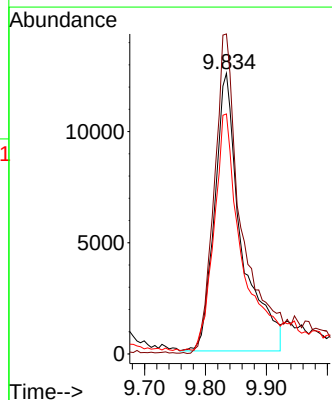
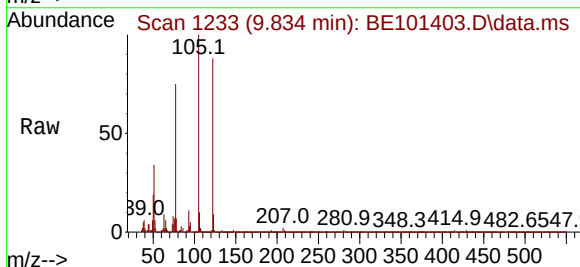
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

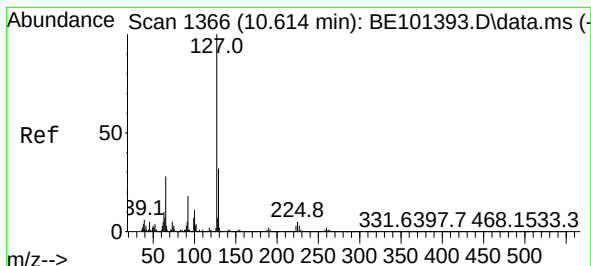
Tgt Ion:128 Resp: 297238
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.3 15.5



#32
Benzoic acid
Concen: 14.281 ng
RT: 9.834 min Scan# 1233
Delta R.T. -0.057 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:122 Resp: 37974
Ion Ratio Lower Upper
122 100
105 114.0 97.9 137.9
77 85.5 68.1 108.1





#33

4-Chloroaniline

Concen: 13.518 ng

RT: 10.610 min Scan# 1365

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 117239

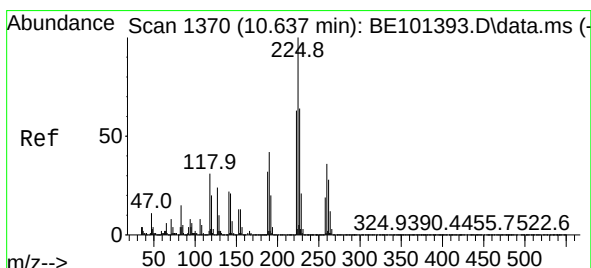
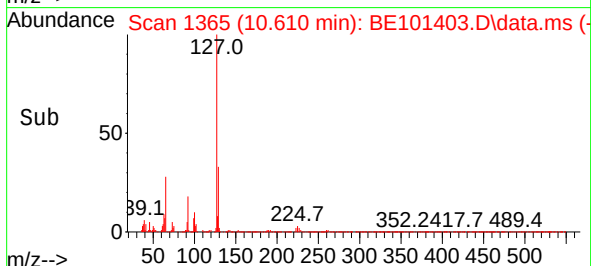
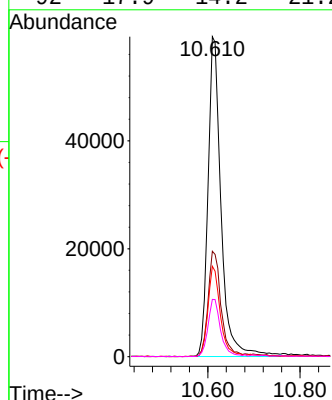
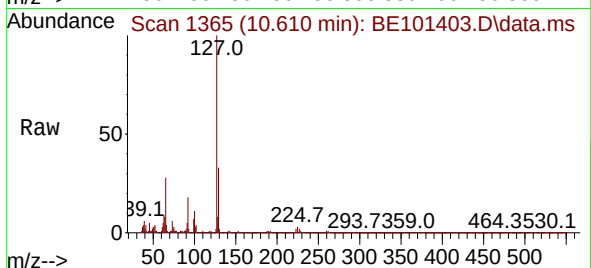
Ion Ratio Lower Upper

127 100

129 32.9 25.7 38.5

65 28.2 22.2 33.4

92 17.9 14.2 21.2



#34

Hexachlorobutadiene

Concen: 11.159 ng

RT: 10.633 min Scan# 1369

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

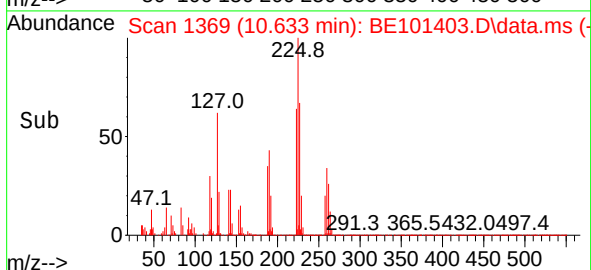
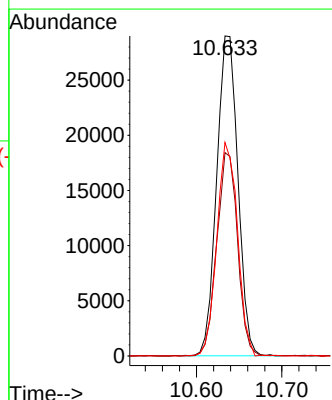
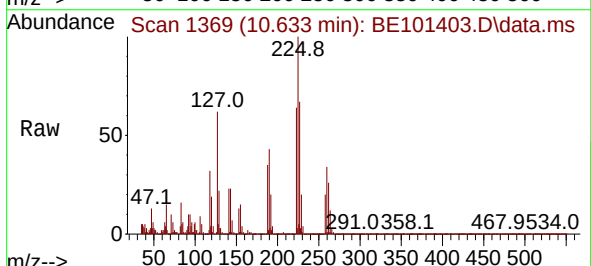
Tgt Ion:225 Resp: 50214

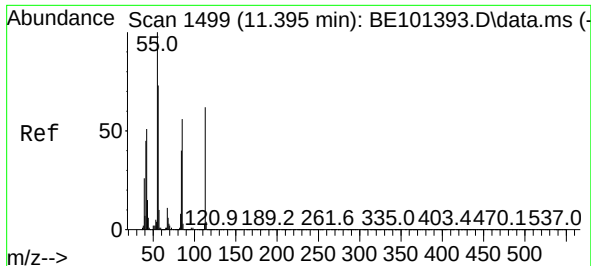
Ion Ratio Lower Upper

225 100

223 63.5 50.5 75.7

227 69.5 51.0 76.6





#35

Caprolactam

Concen: 11.018 ng

RT: 11.385 min Scan# 1499

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

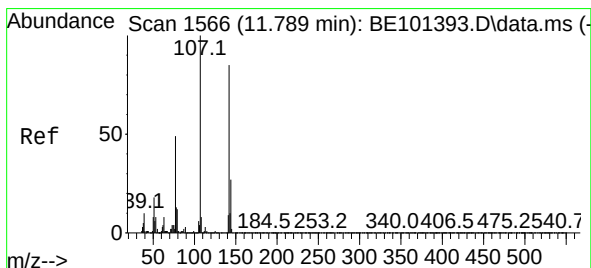
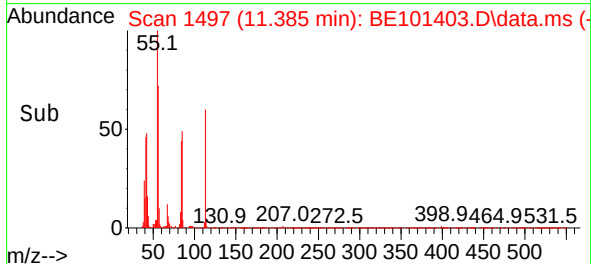
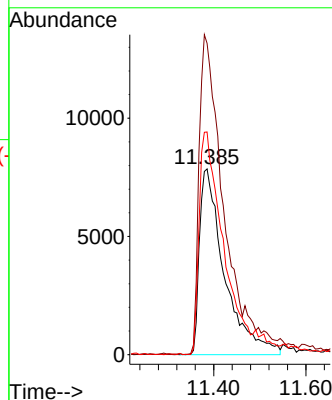
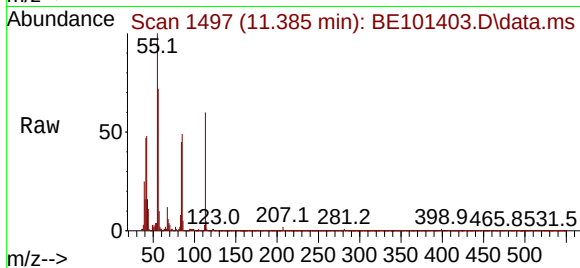
Tgt Ion:113 Resp: 29472

Ion Ratio Lower Upper

113 100

55 167.6 141.2 181.2

56 119.9 96.9 136.9



#36

4-Chloro-3-methylphenol

Concen: 11.427 ng

RT: 11.779 min Scan# 1564

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

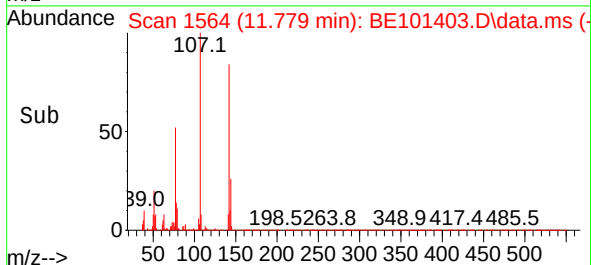
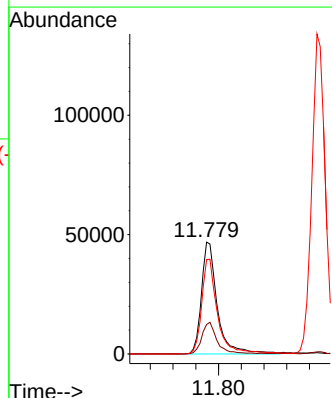
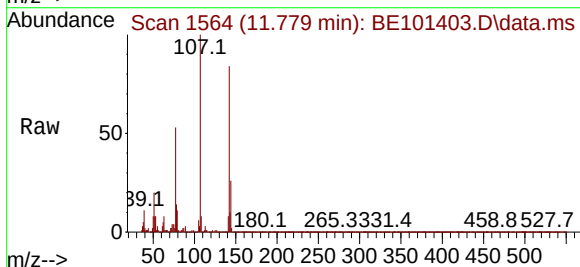
Tgt Ion:107 Resp: 90793

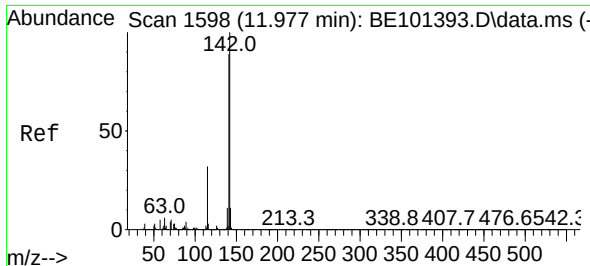
Ion Ratio Lower Upper

107 100

144 26.4 21.9 32.9

142 84.4 68.0 102.0

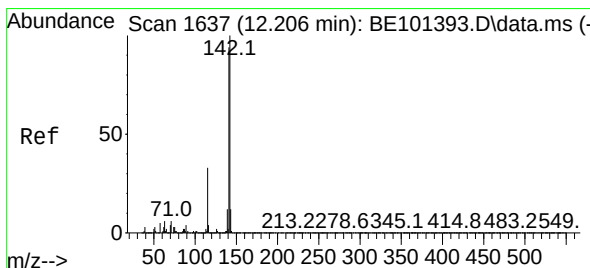
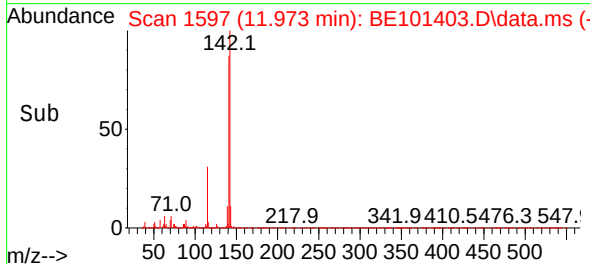
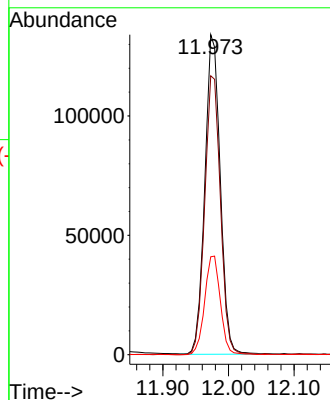
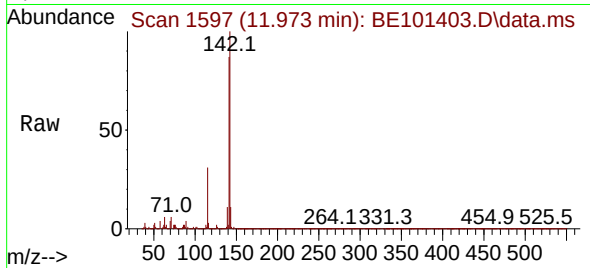




#37
2-Methylnaphthalene
Concen: 12.209 ng
RT: 11.973 min Scan# 1598
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

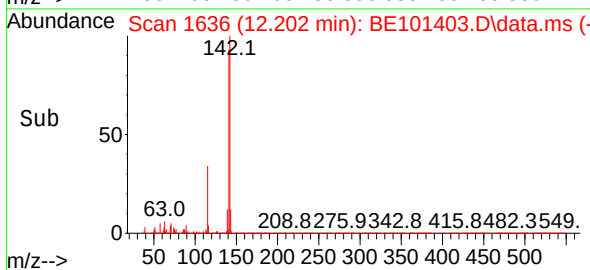
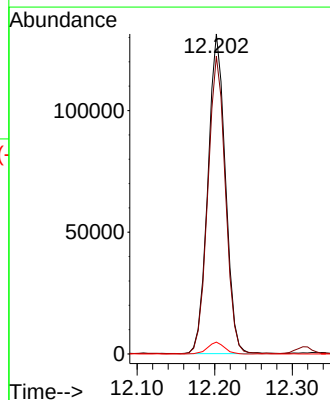
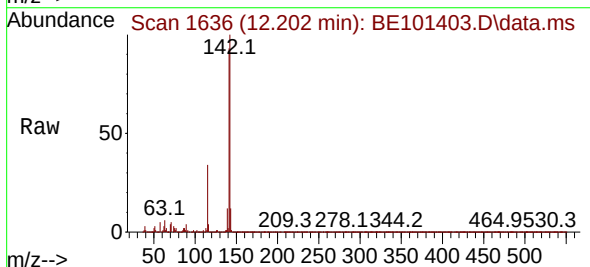
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

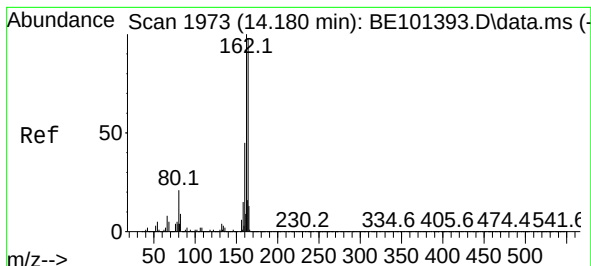
Tgt Ion:142 Resp: 219382
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.2
115 30.6 25.6 38.4



#38
1-Methylnaphthalene
Concen: 11.529 ng
RT: 12.202 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:142 Resp: 206751
Ion Ratio Lower Upper
142 100
141 93.1 75.0 112.4
116 3.7 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.176 min Scan# 1973

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

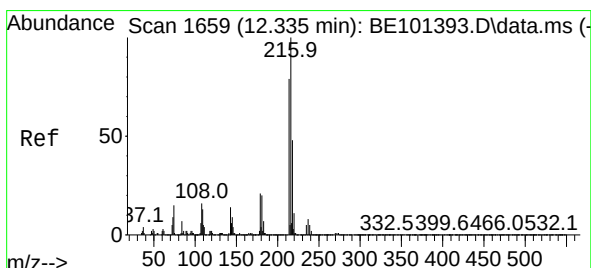
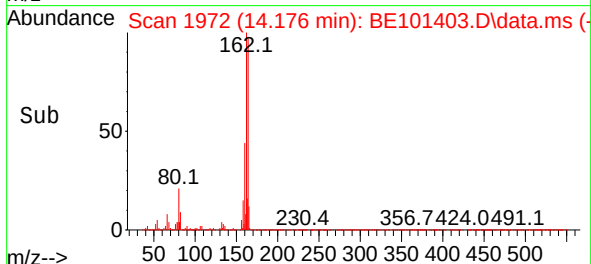
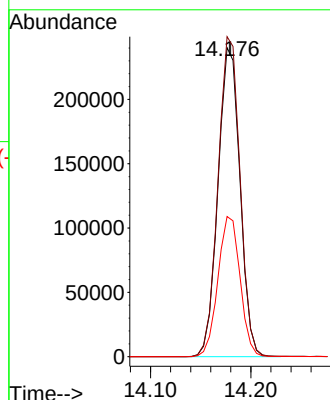
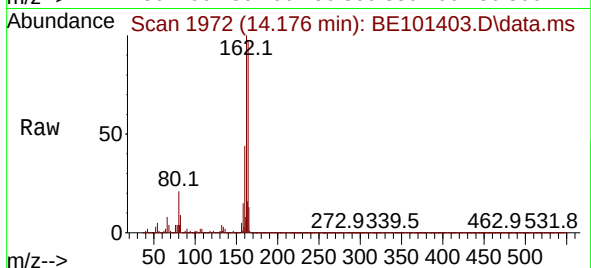
Tgt Ion:164 Resp: 364612

Ion Ratio Lower Upper

164 100

162 103.6 81.3 121.9

160 45.4 36.4 54.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 11.925 ng

RT: 12.331 min Scan# 1658

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:216 Resp: 109153

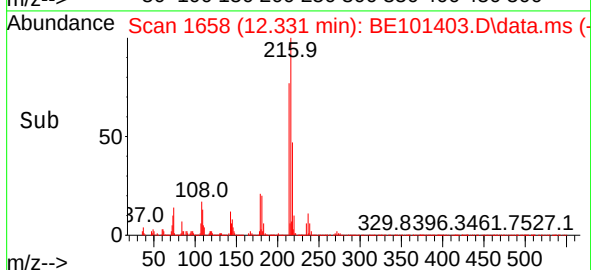
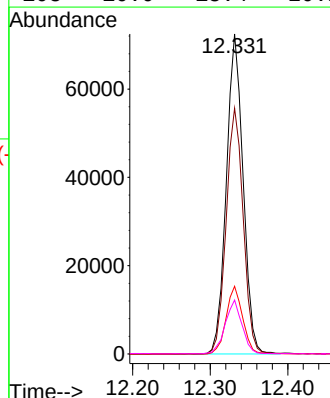
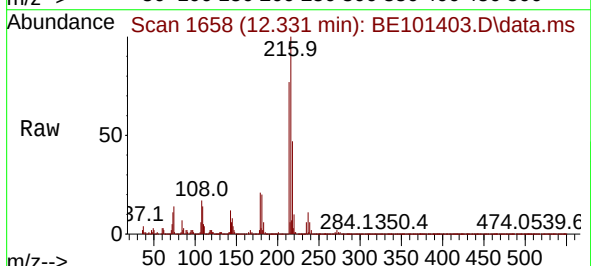
Ion Ratio Lower Upper

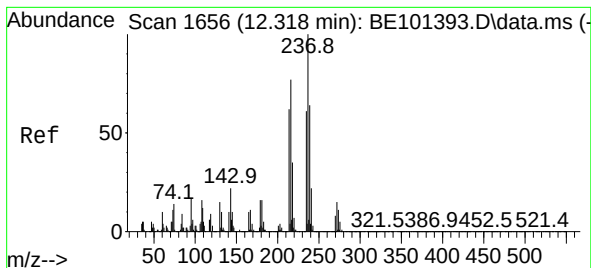
216 100

214 78.2 63.0 94.4

179 20.9 16.7 25.1

108 16.9 13.4 20.2





#41

Hexachlorocyclopentadiene

Concen: 13.101 ng

RT: 12.314 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

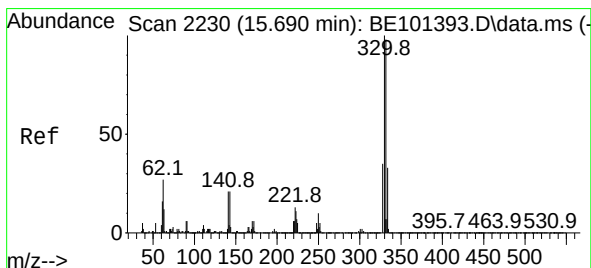
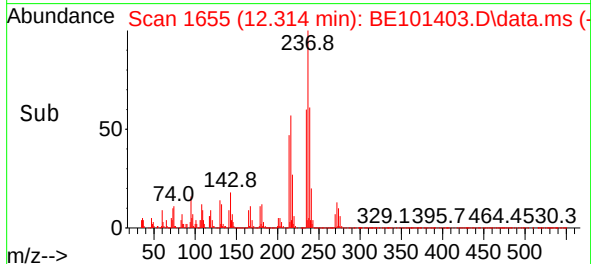
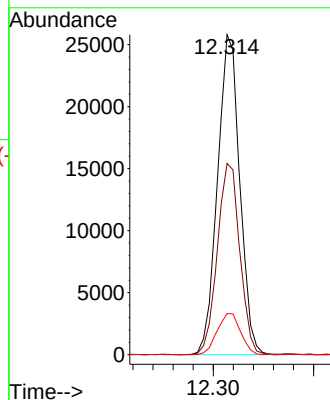
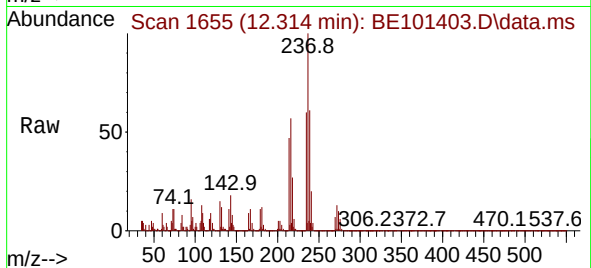
Tgt Ion:237 Resp: 39602

Ion Ratio Lower Upper

237 100

235 59.8 41.3 81.3

272 12.8 0.0 34.6



#42

2,4,6-Tribromophenol

Concen: 90.668 ng

RT: 15.686 min Scan# 2229

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

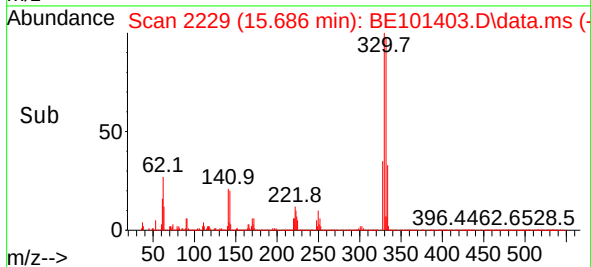
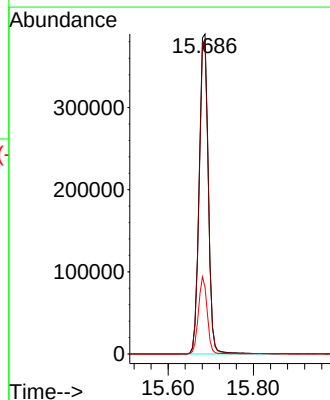
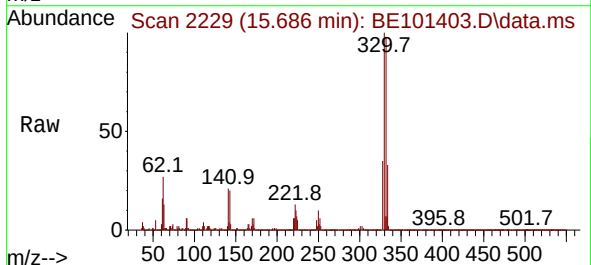
Tgt Ion:330 Resp: 579413

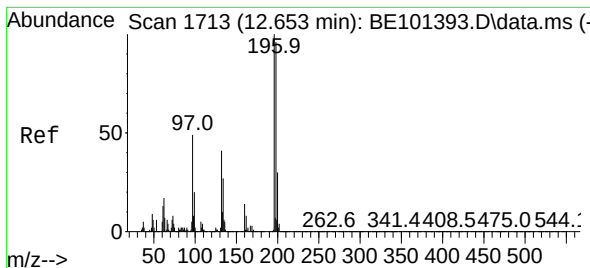
Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.2

141 23.1 18.3 27.5





#43

2,4,6-Trichlorophenol

Concen: 11.320 ng

RT: 12.649 min Scan# 1712

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

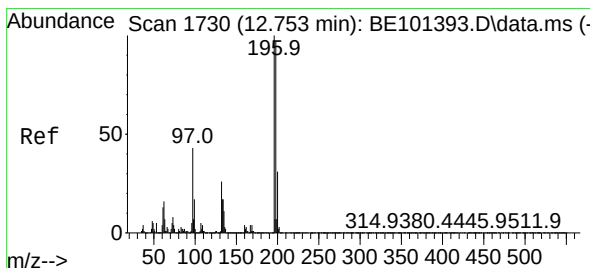
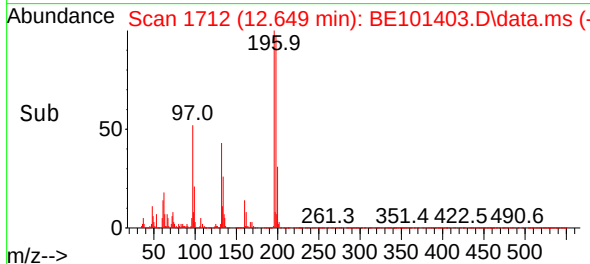
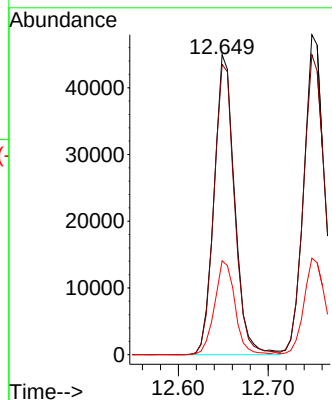
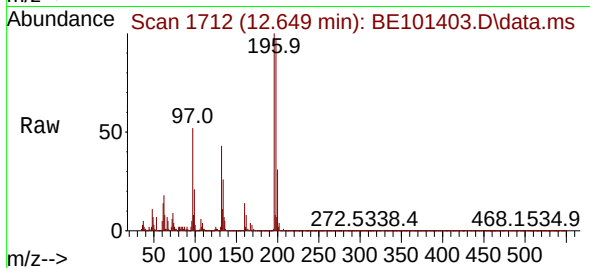
Tgt Ion:196 Resp: 71431

Ion Ratio Lower Upper

196 100

198 96.8 76.6 115.0

200 31.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 10.932 ng

RT: 12.749 min Scan# 1729

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:196 Resp: 78994

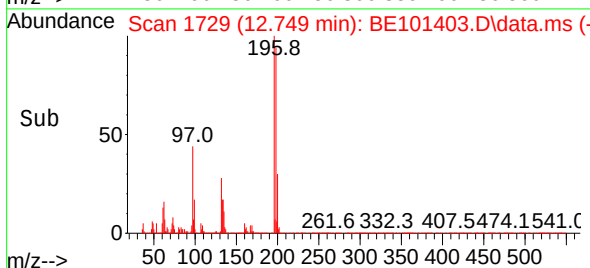
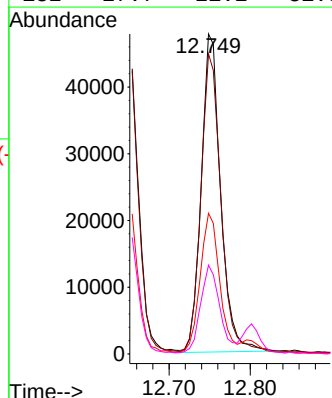
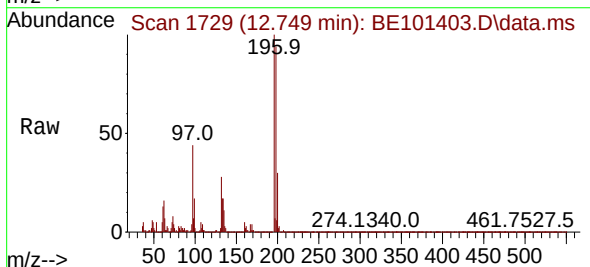
Ion Ratio Lower Upper

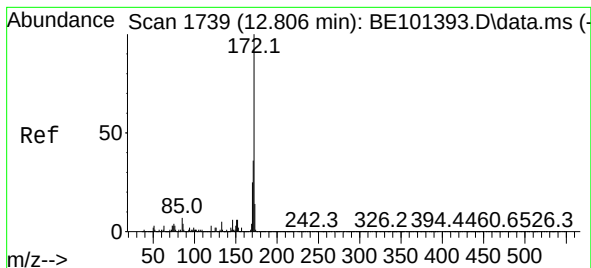
196 100

198 93.7 77.4 116.0

97 43.9 34.8 52.2

132 27.7 21.2 31.8





#45

2-Fluorobiphenyl

Concen: 63.735 ng

RT: 12.801 min Scan# 1738

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

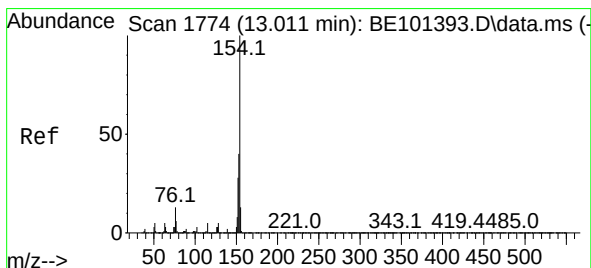
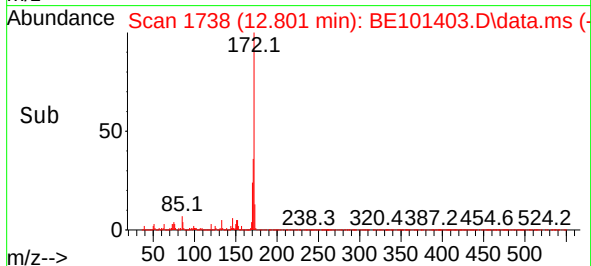
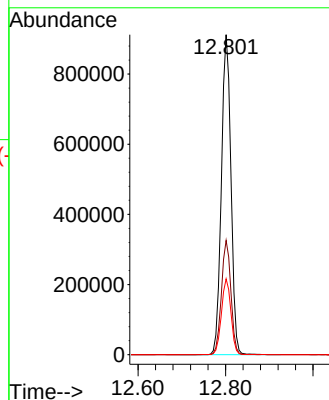
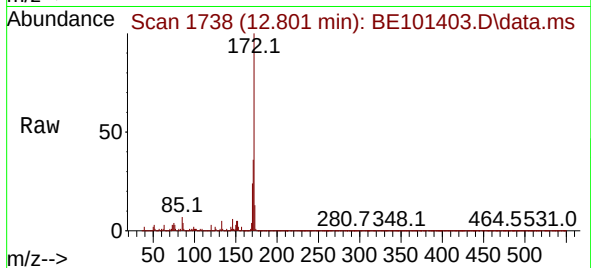
Tgt Ion:172 Resp: 1372193

Ion Ratio Lower Upper

172 100

171 35.7 29.2 43.8

170 23.7 19.8 29.6



#46

1,1'-Biphenyl

Concen: 12.413 ng

RT: 13.007 min Scan# 1773

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

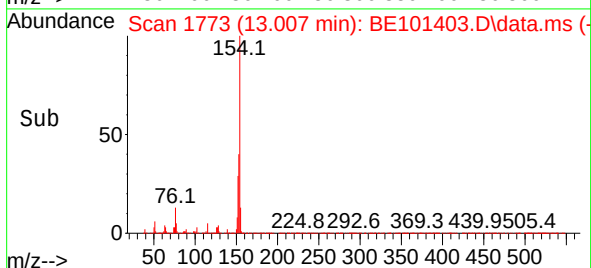
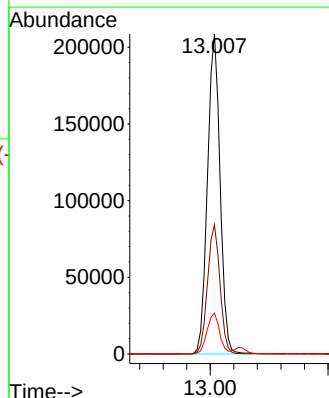
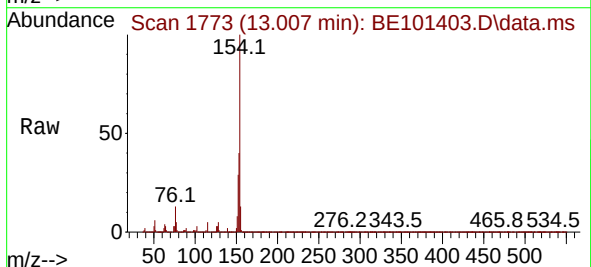
Tgt Ion:154 Resp: 310088

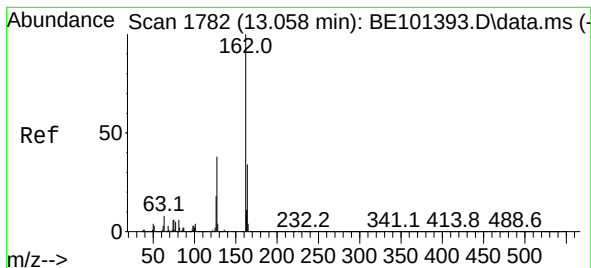
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 12.7 0.0 32.6





#47

2-Chloronaphthalene

Concen: 11.696 ng

RT: 13.048 min Scan# 1

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

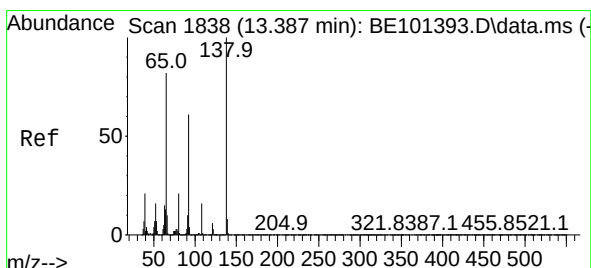
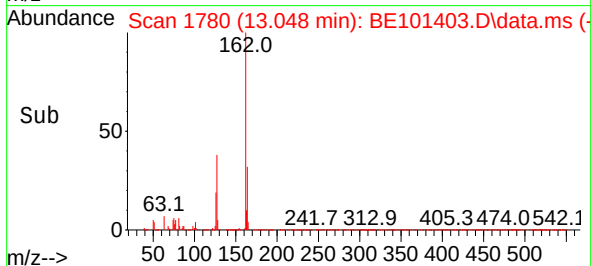
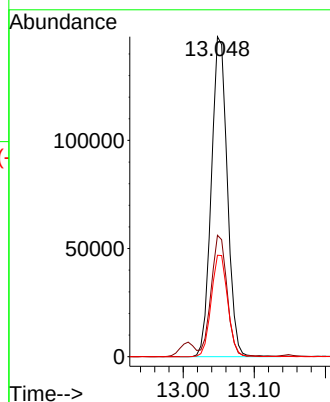
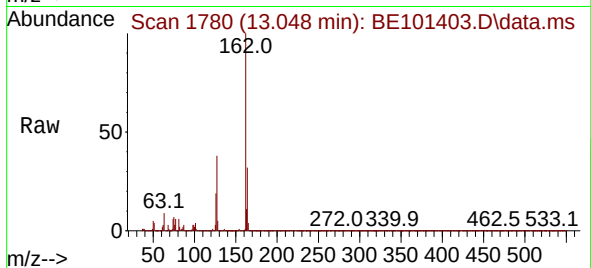
Tgt Ion:162 Resp: 230825

Ion Ratio Lower Upper

162 100

127 37.9 30.4 45.6

164 31.7 27.0 40.6



#48

2-Nitroaniline

Concen: 11.408 ng

RT: 13.383 min Scan# 1837

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

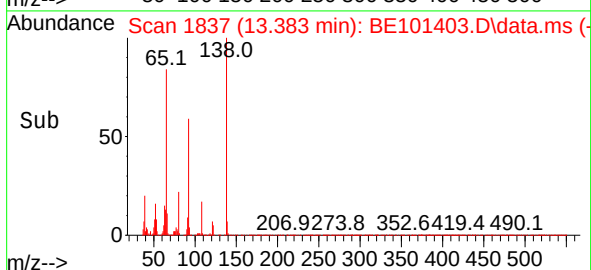
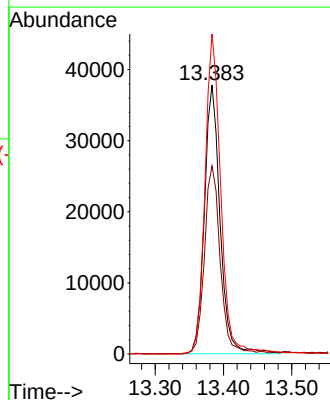
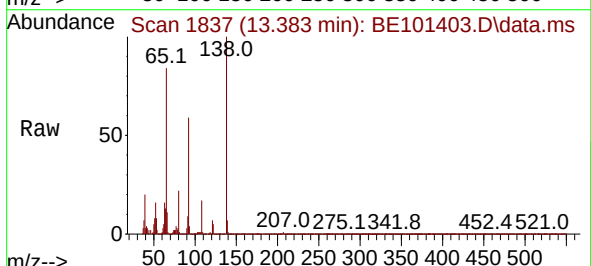
Tgt Ion: 65 Resp: 60590

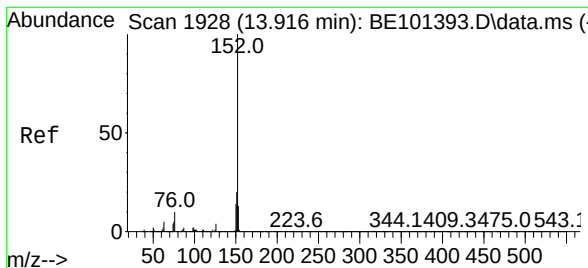
Ion Ratio Lower Upper

65 100

92 70.0 59.0 88.4

138 119.1 97.4 146.0





#49

Acenaphthylene

Concen: 13.030 ng

RT: 13.912 min Scan# 1928

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

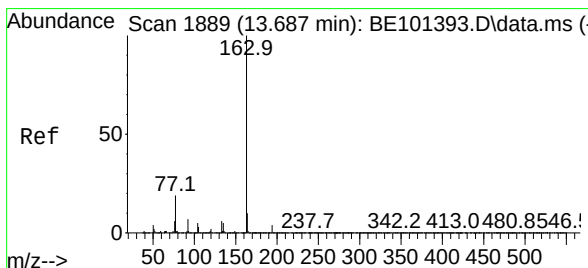
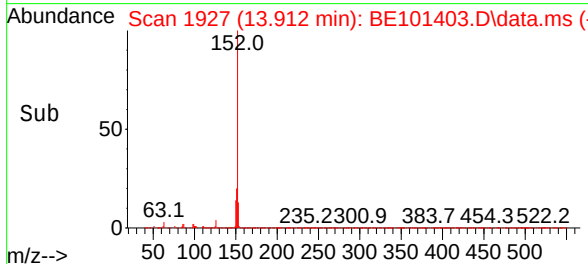
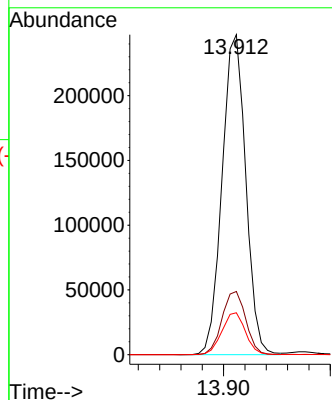
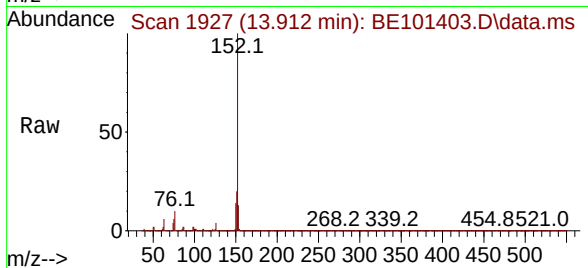
Tgt Ion:152 Resp: 380294

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

153 13.1 10.5 15.7



#50

Dimethylphthalate

Concen: 12.667 ng

RT: 13.683 min Scan# 1888

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

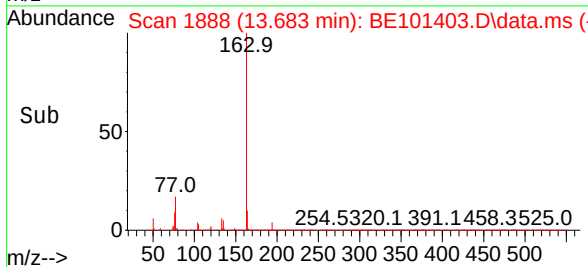
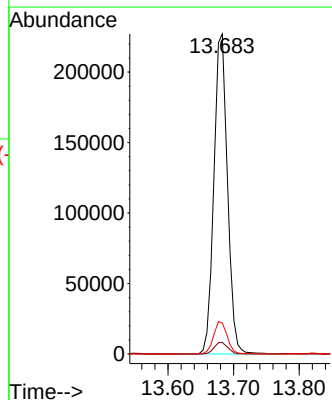
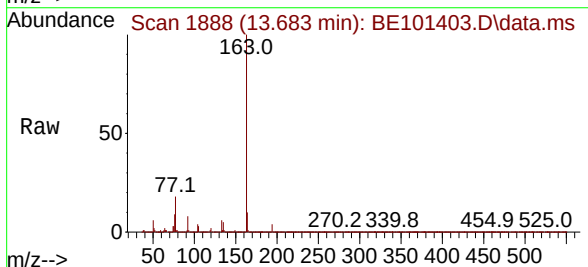
Tgt Ion:163 Resp: 326003

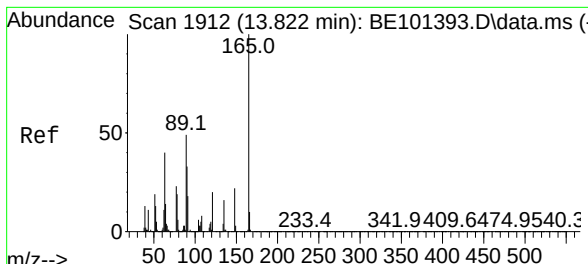
Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

164 9.7 8.4 12.6

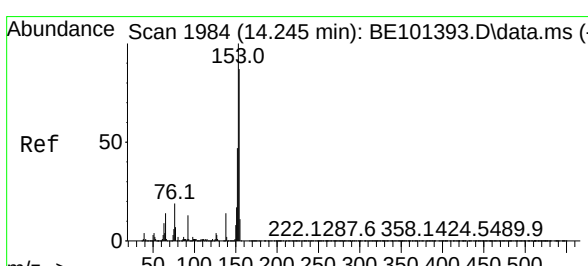
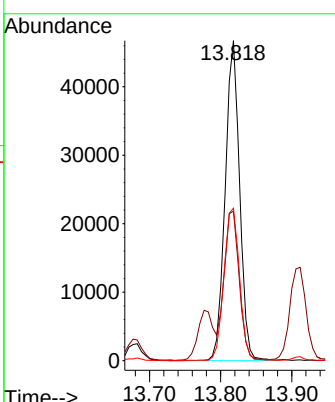
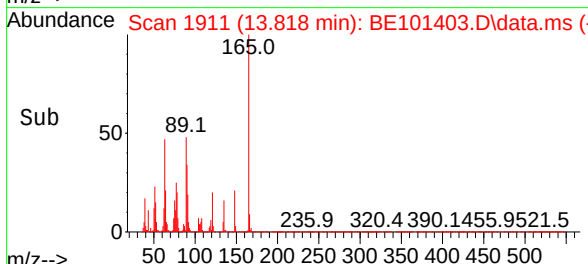
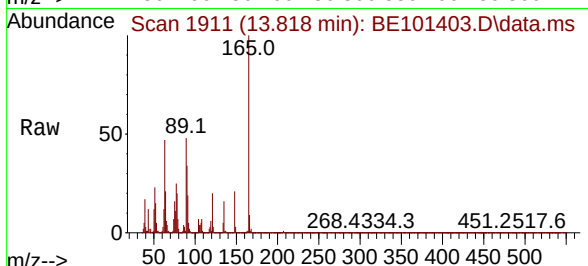




#51
 2,6-Dinitrotoluene
 Concen: 11.129 ng
 RT: 13.818 min Scan# 1911
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

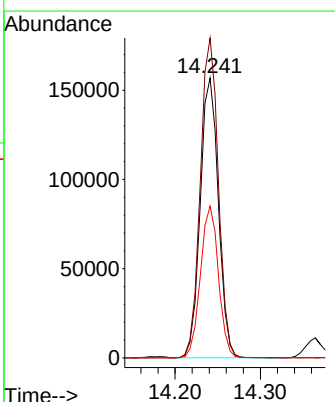
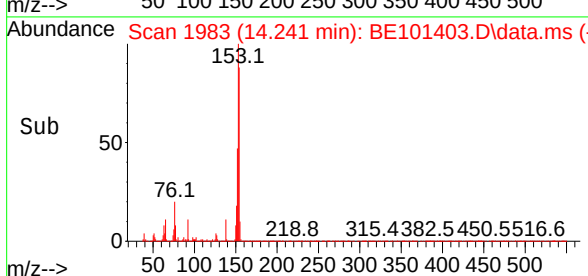
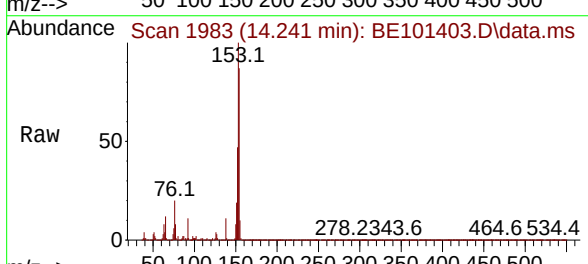
Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT4-2024

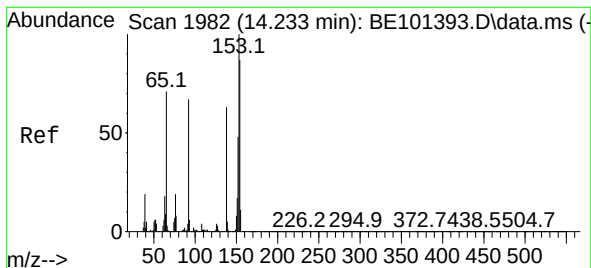
Tgt Ion:	165	Resp:	66129
Ion Ratio	Lower	Upper	
165	100		
63	46.8	38.0	57.0
89	47.7	39.5	59.3



#52
 Acenaphthene
 Concen: 12.121 ng
 RT: 14.241 min Scan# 1983
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

Tgt Ion:	154	Resp:	231002
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.8	137.6
152	54.3	43.1	64.7





#53

3-Nitroaniline

Concen: 11.952 ng

RT: 14.229 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

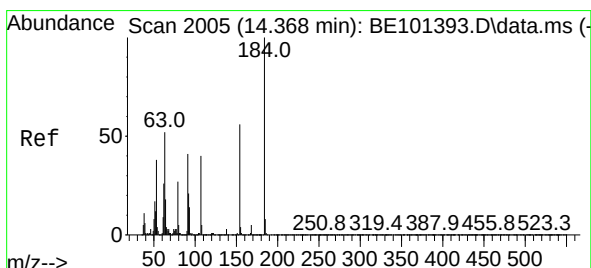
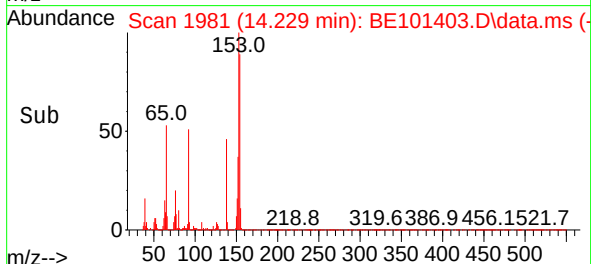
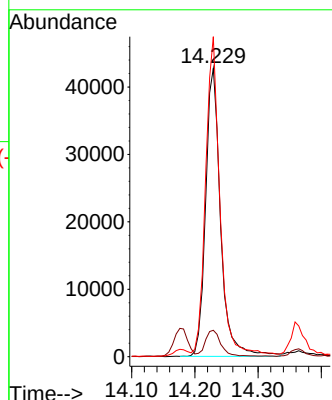
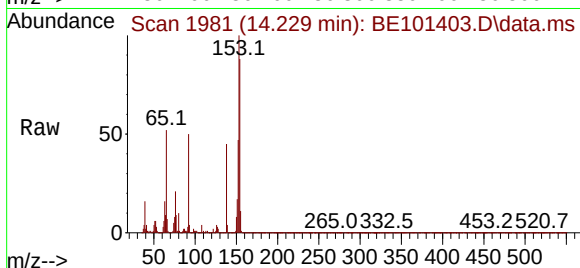
Tgt Ion:138 Resp: 70617

Ion Ratio Lower Upper

138 100

108 9.2 7.1 10.7

92 111.0 84.4 126.6



#54

2,4-Dinitrophenol

Concen: 12.645 ng

RT: 14.364 min Scan# 2004

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

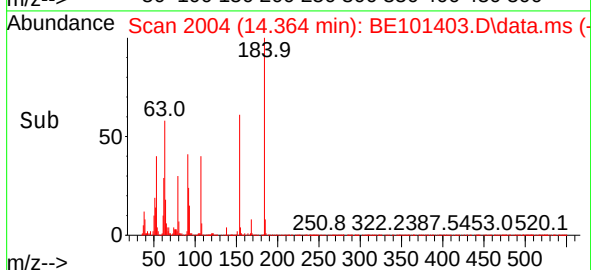
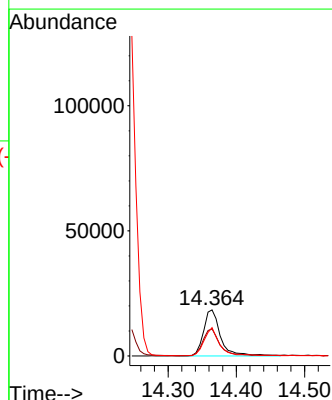
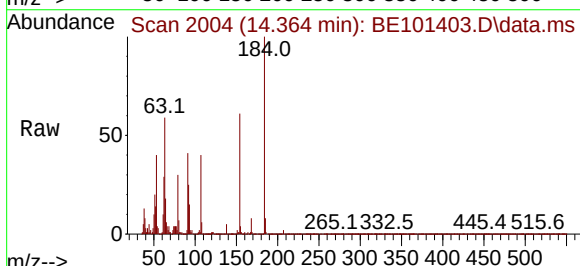
Tgt Ion:184 Resp: 31913

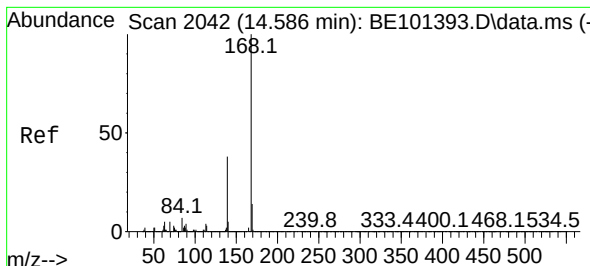
Ion Ratio Lower Upper

184 100

63 58.7 41.8 62.6

154 61.4 44.9 67.3





#55

Dibenzenofuran

Concen: 12.606 ng

RT: 14.582 min Scan# 2042

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

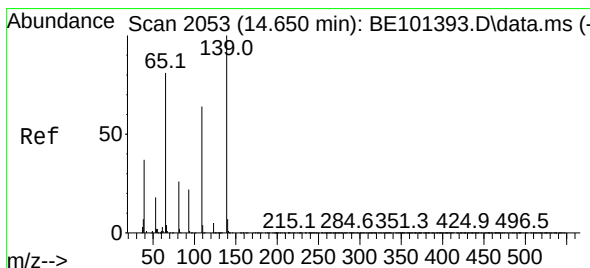
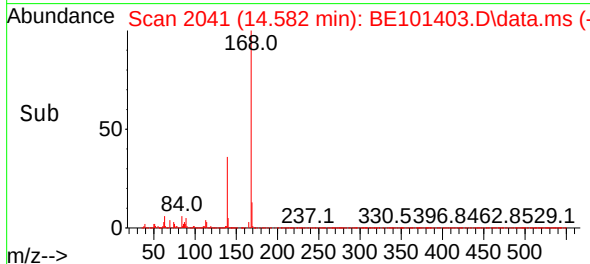
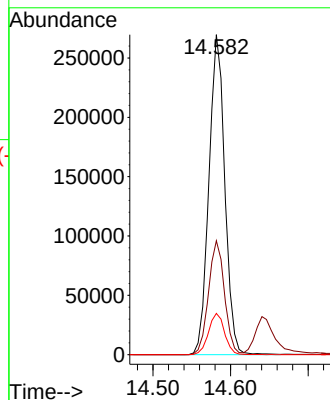
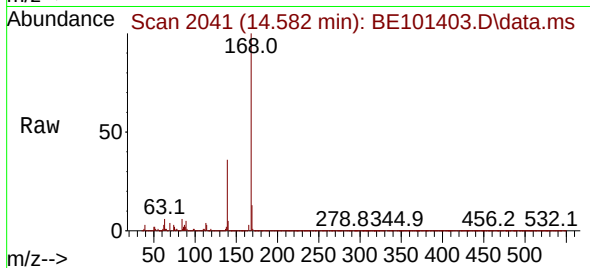
Tgt Ion:168 Resp: 382898

Ion Ratio Lower Upper

168 100

139 35.6 30.2 45.4

169 12.9 11.0 16.4



#56

4-Nitrophenol

Concen: 10.754 ng

RT: 14.640 min Scan# 2051

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

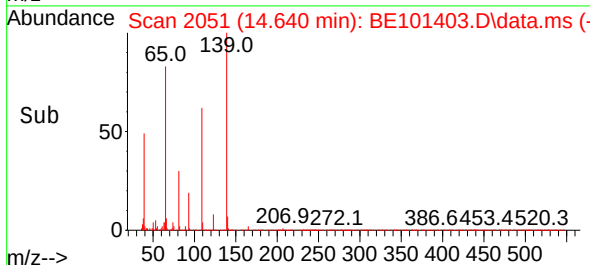
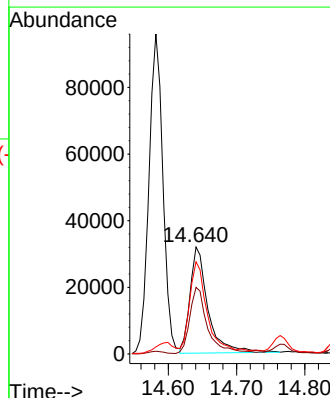
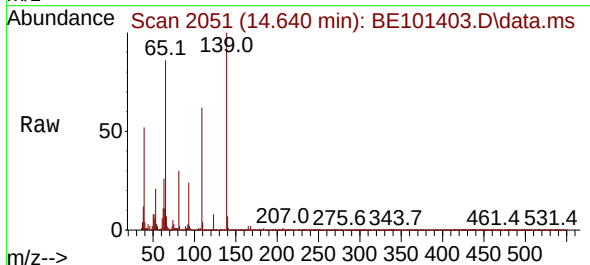
Tgt Ion:139 Resp: 58188

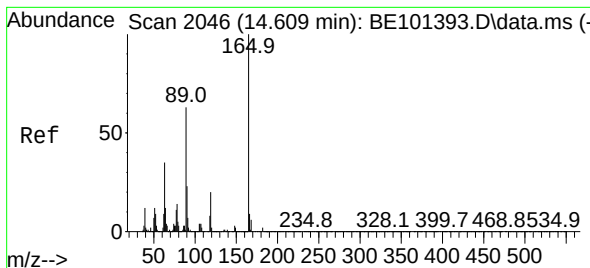
Ion Ratio Lower Upper

139 100

109 62.3 42.4 82.4

65 86.3 63.4 103.4





#57

2,4-Dinitrotoluene

Concen: 11.105 ng

RT: 14.599 min Scan# 2044

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 90846

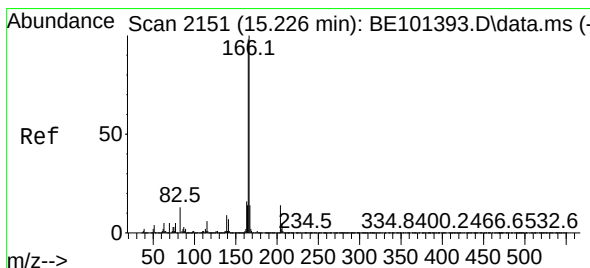
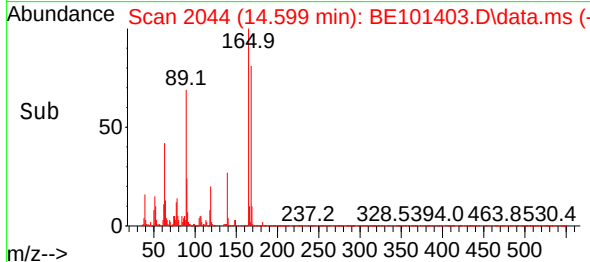
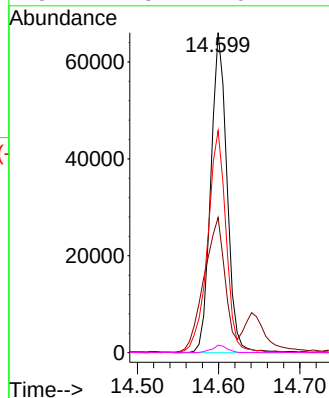
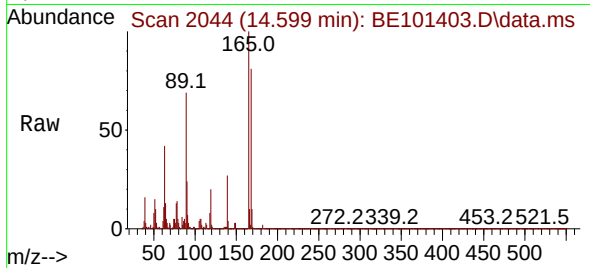
Ion Ratio Lower Upper

165 100

63 42.2 28.6 42.8

89 69.4 50.8 76.2

182 2.3 1.9 2.9



#58

Fluorene

Concen: 12.445 ng

RT: 15.222 min Scan# 2150

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

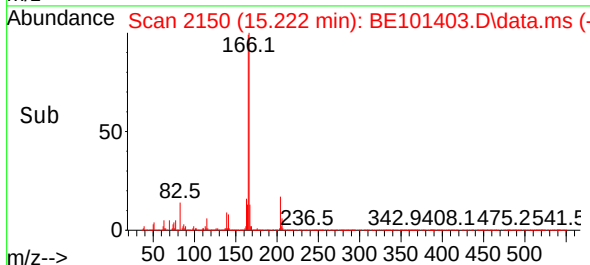
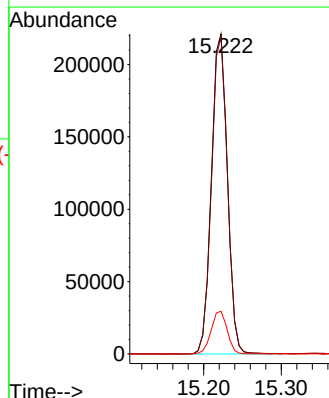
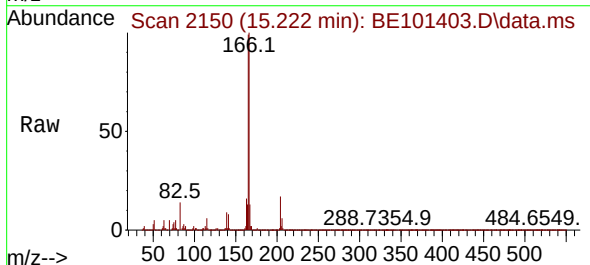
Tgt Ion:166 Resp: 316242

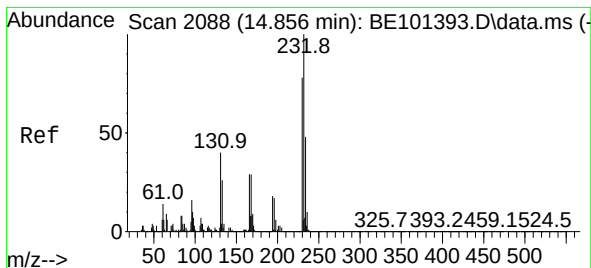
Ion Ratio Lower Upper

166 100

165 99.2 78.7 118.1

167 13.3 11.0 16.4

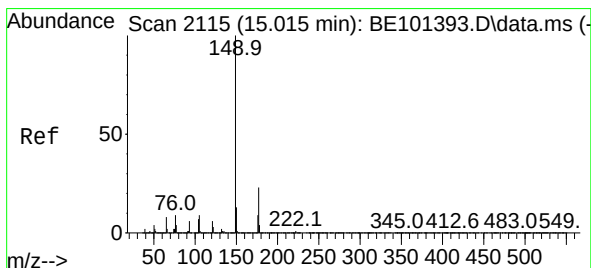
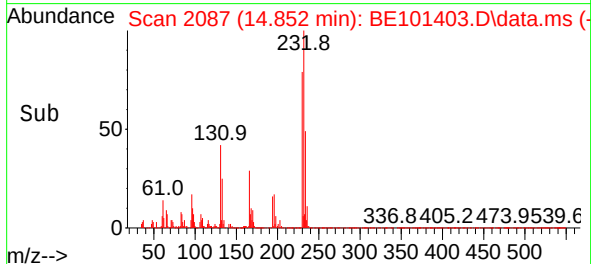
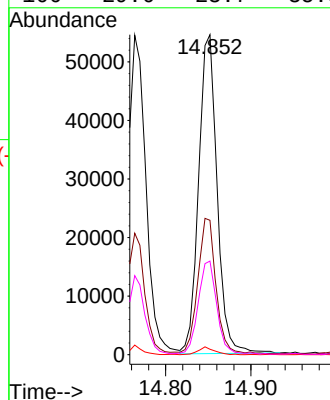
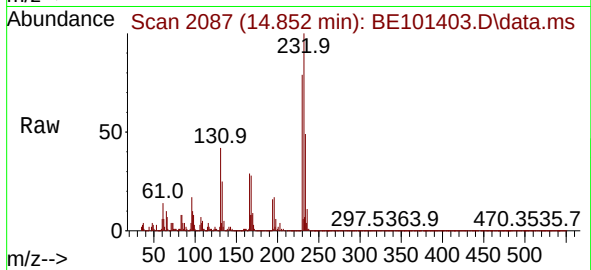




#59
2,3,4,6-Tetrachlorophenol
Concen: 12.269 ng
RT: 14.852 min Scan# 2088
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

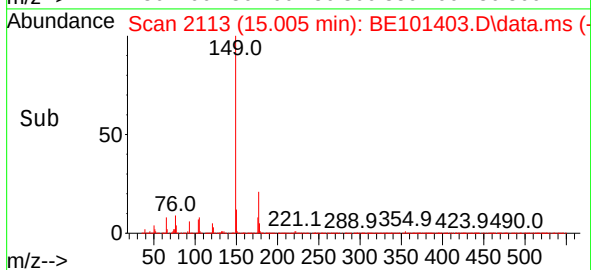
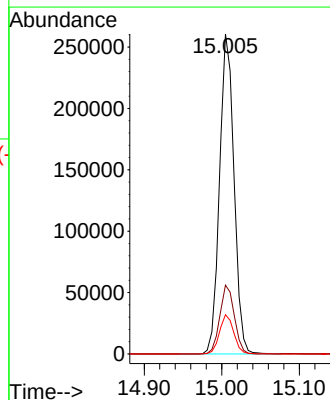
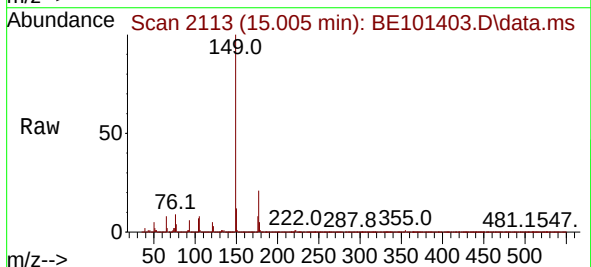
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

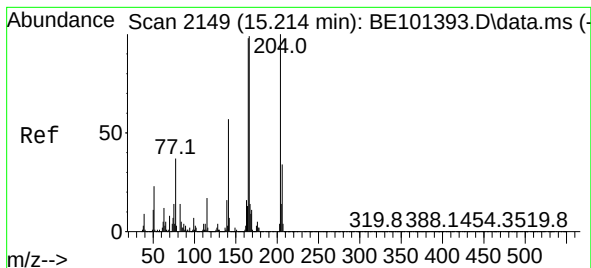
Tgt Ion:	232	Resp:	81909
Ion	Ratio	Lower	Upper
232	100		
131	43.0	33.5	50.3
130	2.1	1.6	2.4
166	29.6	23.7	35.5



#60
Diethylphthalate
Concen: 12.567 ng
RT: 15.005 min Scan# 2113
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:	149	Resp:	338297
Ion	Ratio	Lower	Upper
149	100		
177	21.5	18.0	27.0
150	12.3	10.3	15.5

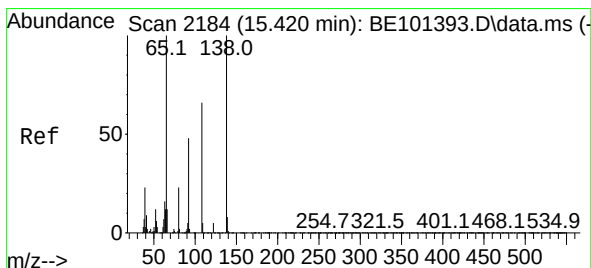
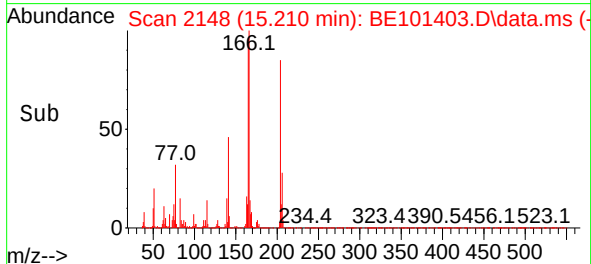
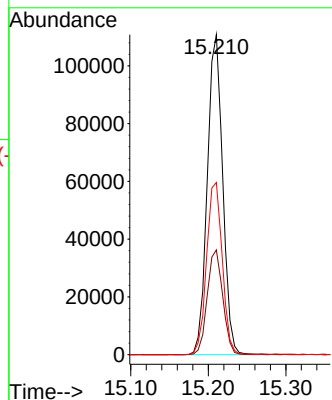
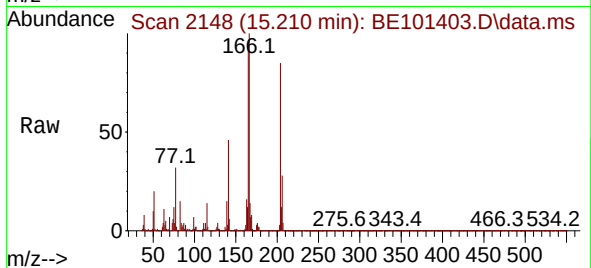




#61
4-Chlorophenyl-phenylether
Concen: 12.152 ng
RT: 15.210 min Scan# 2149
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

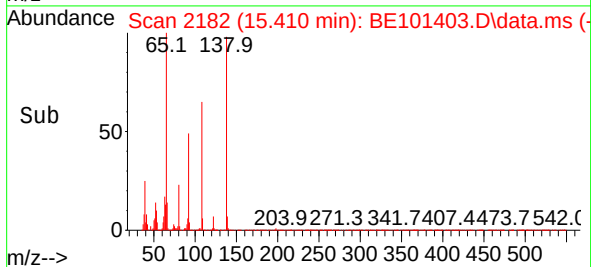
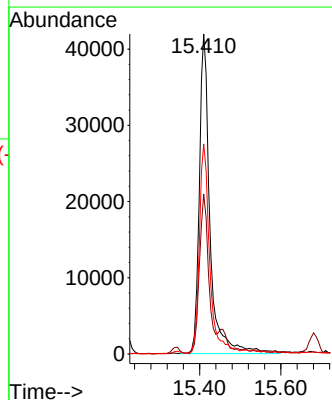
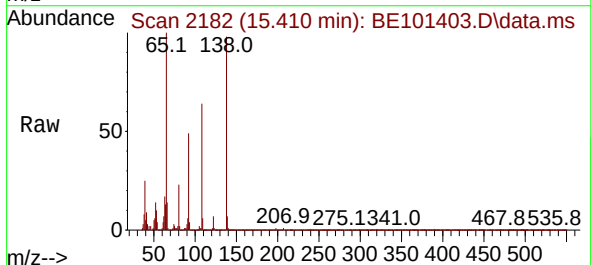
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

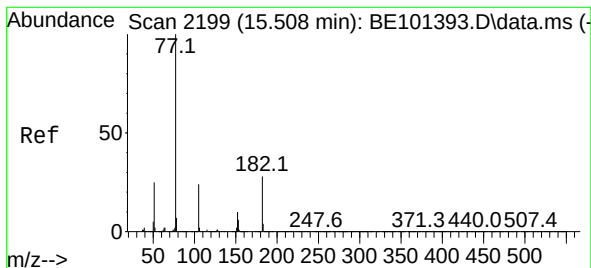
Tgt Ion:204 Resp: 153231
Ion Ratio Lower Upper
204 100
206 32.7 26.9 40.3
141 53.8 45.9 68.9



#62
4-Nitroaniline
Concen: 11.742 ng
RT: 15.410 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:138 Resp: 77201
Ion Ratio Lower Upper
138 100
92 49.9 28.7 68.7
108 65.7 46.5 86.5





#63

Azobenzene

Concen: 12.578 ng

RT: 15.504 min Scan# 2199

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 291061

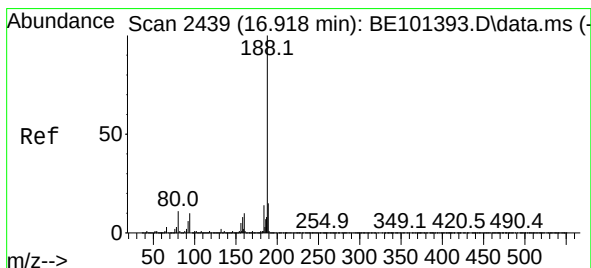
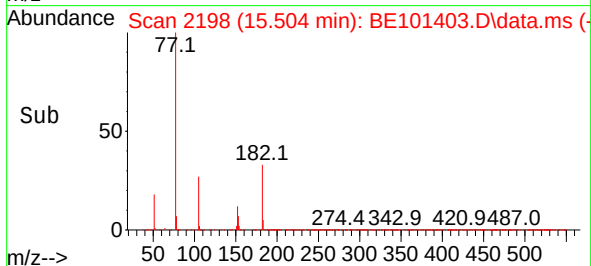
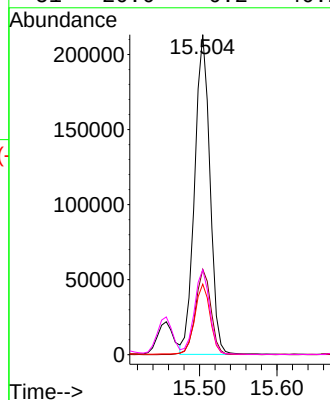
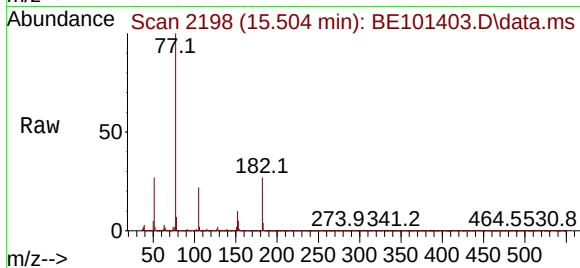
Ion Ratio Lower Upper

77 100

182 26.6 7.6 47.6

105 22.1 3.2 43.2

51 26.6 6.2 46.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.914 min Scan# 2438

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

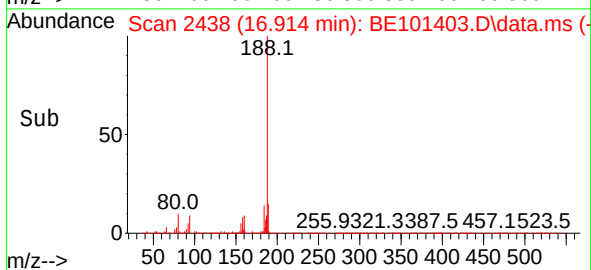
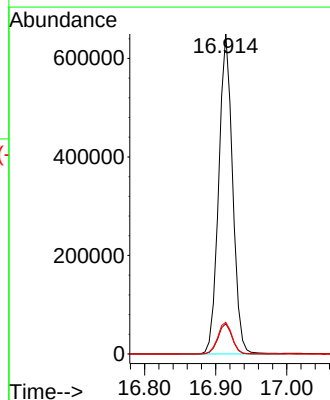
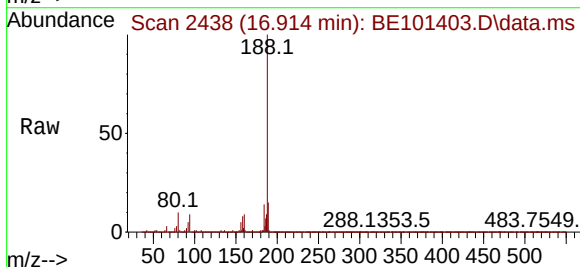
Tgt Ion:188 Resp: 880180

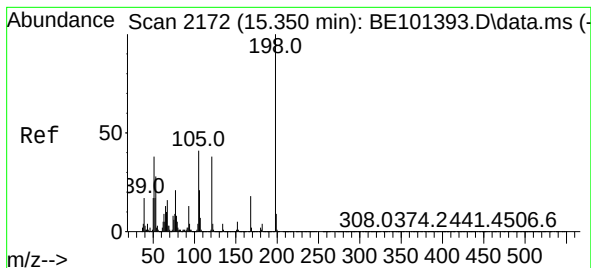
Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.8

80 9.9 8.6 12.8

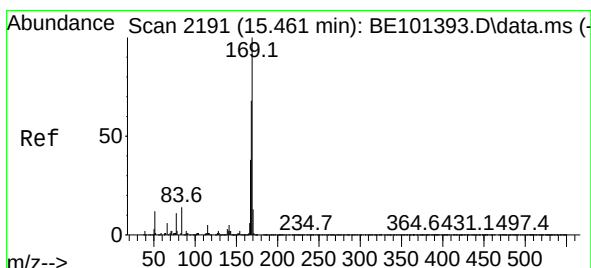
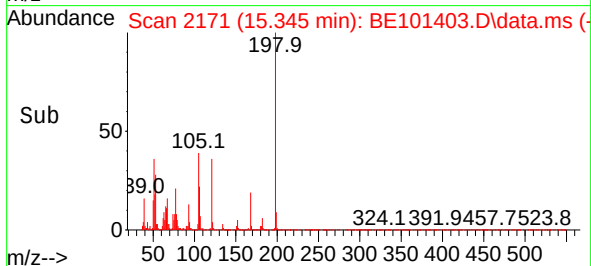
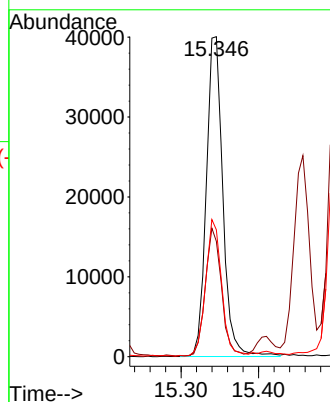
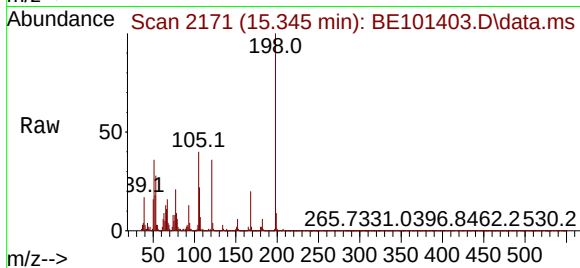




#65
4,6-Dinitro-2-methylphenol
Concen: 11.460 ng
RT: 15.345 min Scan# 2172
Delta R.T. -0.005 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

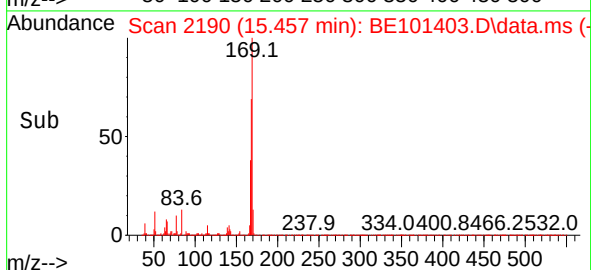
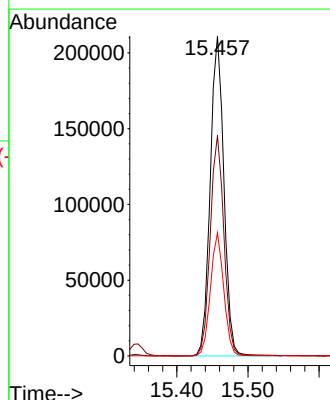
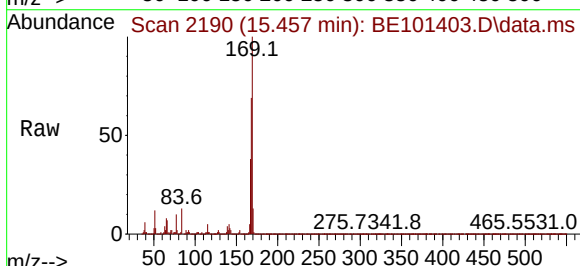
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

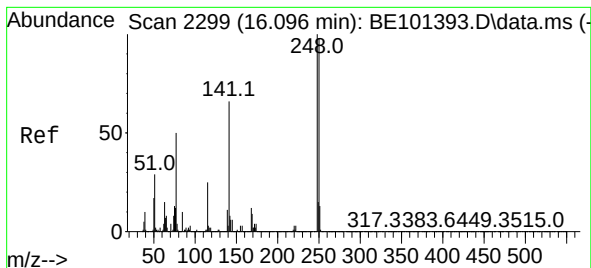
Tgt Ion:198	Resp:	59273
Ion Ratio	Lower	Upper
198	100	
51	36.1	18.2 58.2
105	39.7	21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 12.077 ng
RT: 15.457 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:169	Resp:	281890
Ion Ratio	Lower	Upper
169	100	
168	68.9	54.5 81.7
167	38.5	30.4 45.6

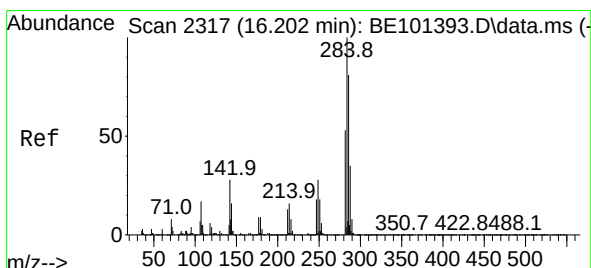
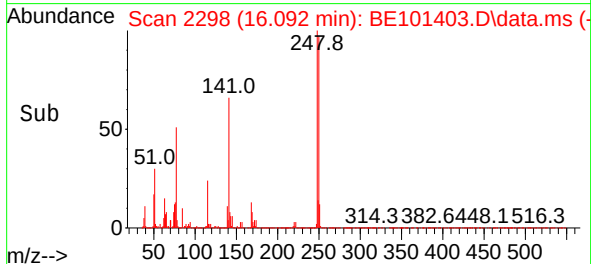
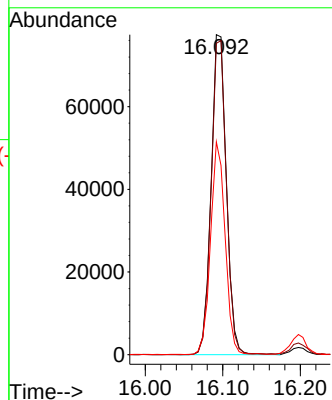
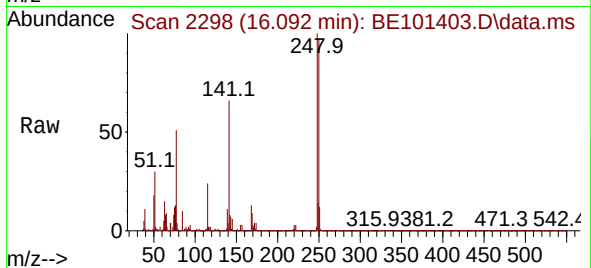




#67
4-Bromophenyl-phenylether
Concen: 11.397 ng
RT: 16.092 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

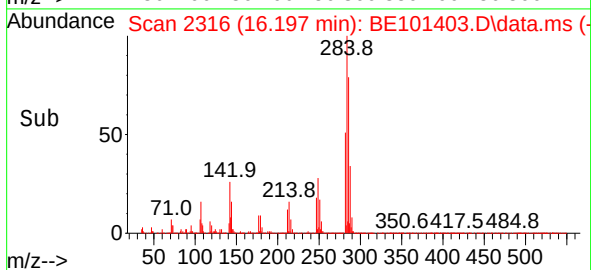
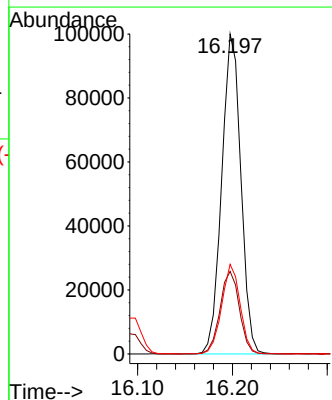
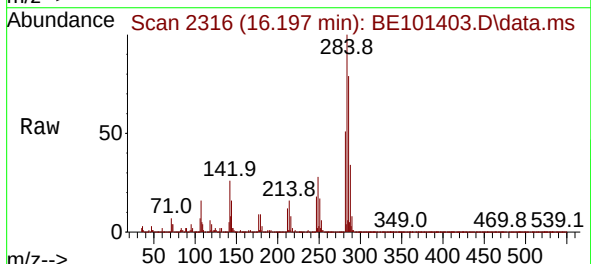
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

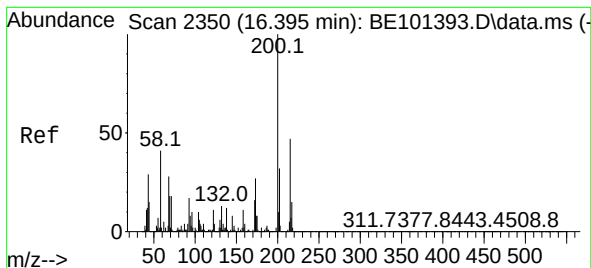
Tgt Ion:248 Resp: 105518
Ion Ratio Lower Upper
248 100
250 97.3 78.2 117.2
141 66.5 53.0 79.4



#68
Hexachlorobenzene
Concen: 11.579 ng
RT: 16.197 min Scan# 2316
Delta R.T. -0.005 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:284 Resp: 140525
Ion Ratio Lower Upper
284 100
142 25.8 22.2 33.2
249 28.0 22.8 34.2





#69

Atrazine

Concen: 14.692 ng

RT: 16.391 min Scan# 2349

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

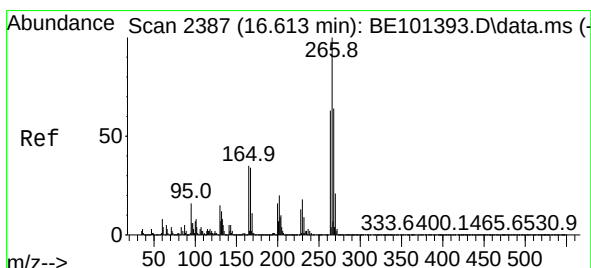
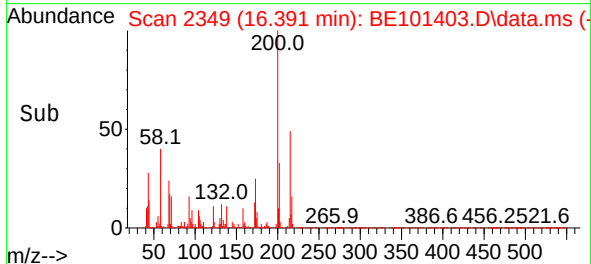
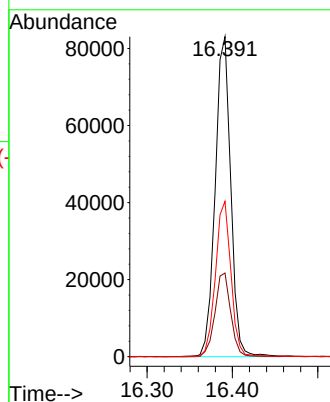
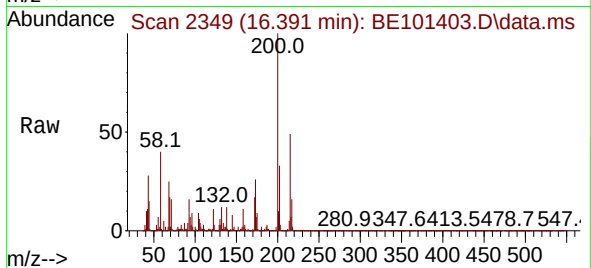
Tgt Ion:200 Resp: 105132

Ion Ratio Lower Upper

200 100

173 26.2 7.0 47.0

215 48.6 27.3 67.3



#70

Pentachlorophenol

Concen: 15.389 ng

RT: 16.609 min Scan# 2386

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

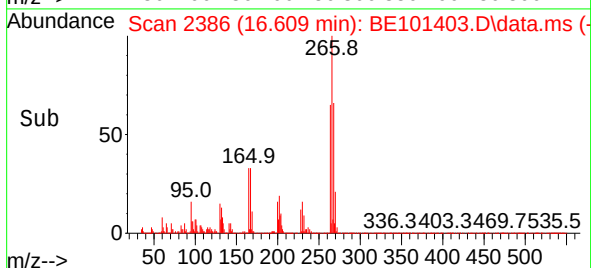
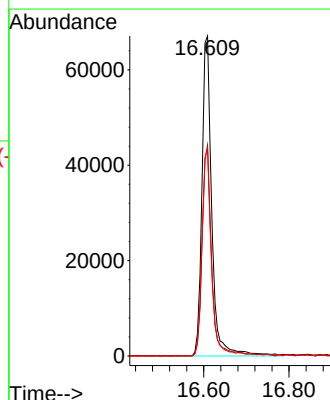
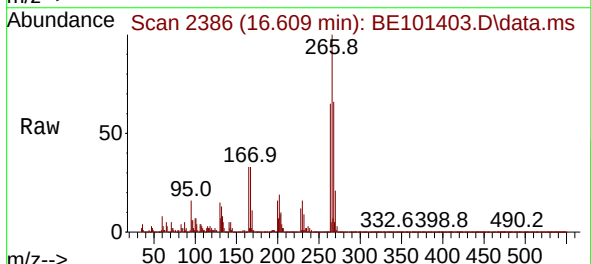
Tgt Ion:266 Resp: 107500

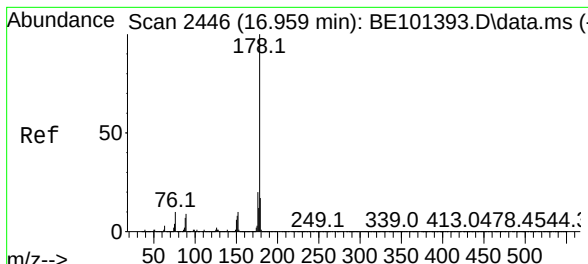
Ion Ratio Lower Upper

266 100

268 65.8 51.5 77.3

264 64.9 50.7 76.1

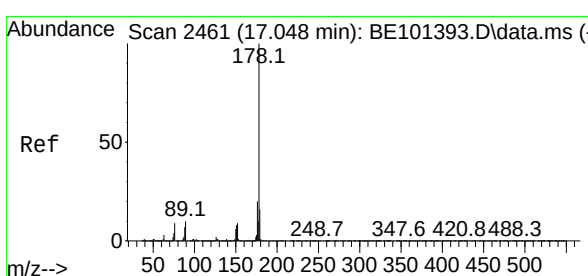
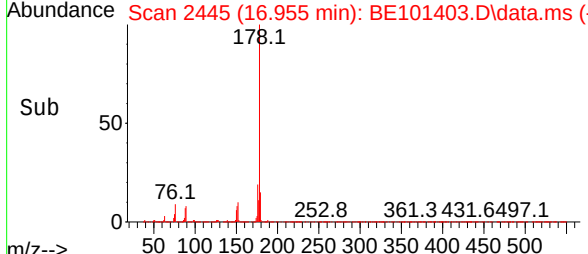
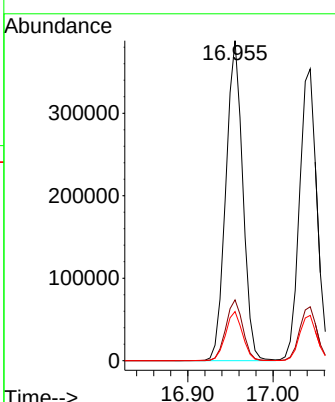
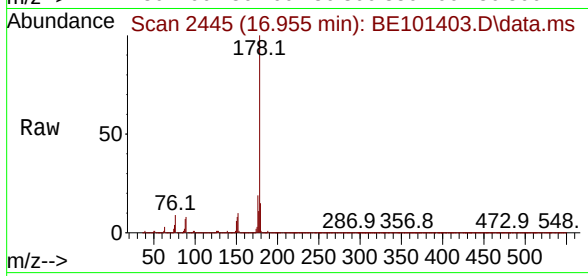




#71
 Phenanthrene
 Concen: 12.729 ng
 RT: 16.955 min Scan# 2445
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

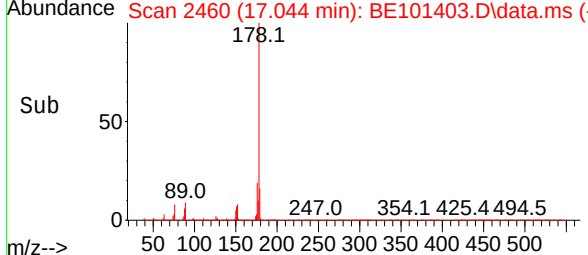
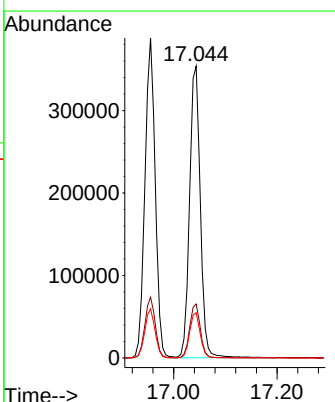
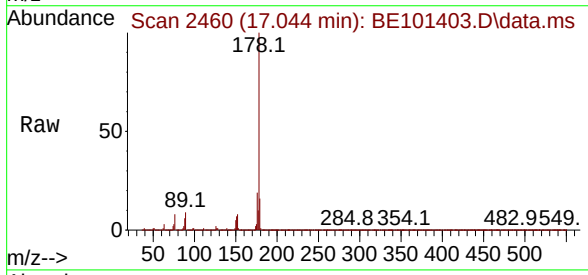
Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT4-2024

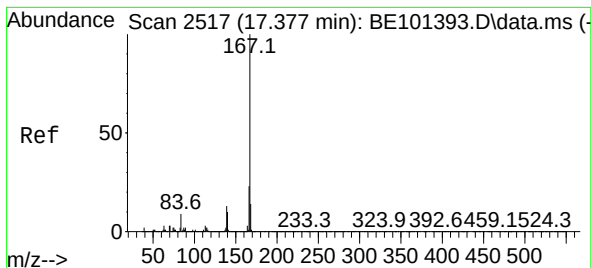
Tgt Ion:	178	Resp:	536412
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.4	24.6
179	15.4	13.2	19.8



#72
 Anthracene
 Concen: 12.357 ng
 RT: 17.044 min Scan# 2460
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

Tgt Ion:	178	Resp:	508462
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.9	23.9
179	15.5	13.1	19.7





#73

Carbazole

Concen: 12.277 ng

RT: 17.373 min Scan# 2517

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

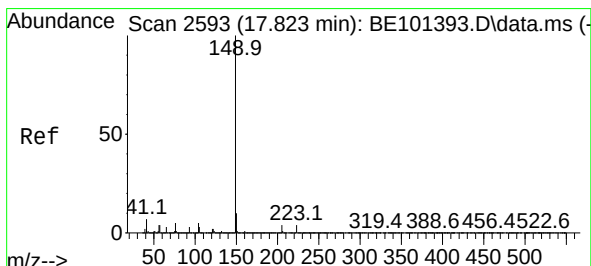
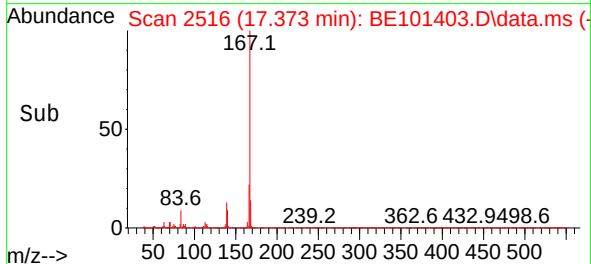
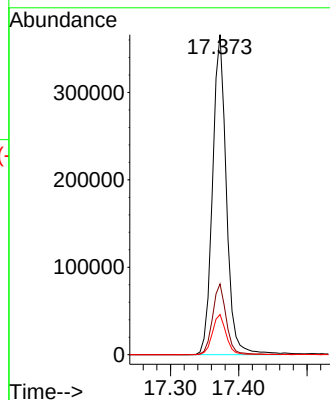
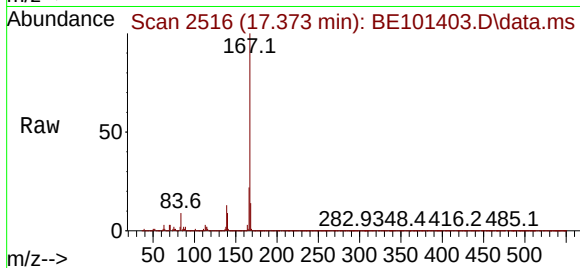
Tgt Ion:167 Resp: 516908

Ion Ratio Lower Upper

167 100

166 22.1 18.3 27.5

139 12.6 10.8 16.2



#74

Di-n-butylphthalate

Concen: 12.562 ng

RT: 17.819 min Scan# 2592

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

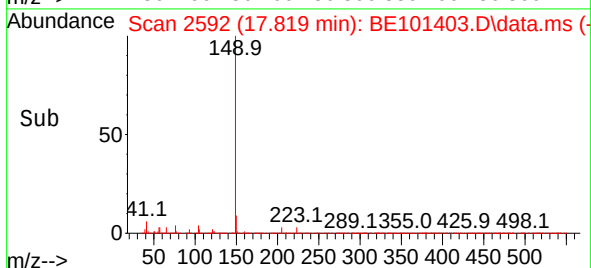
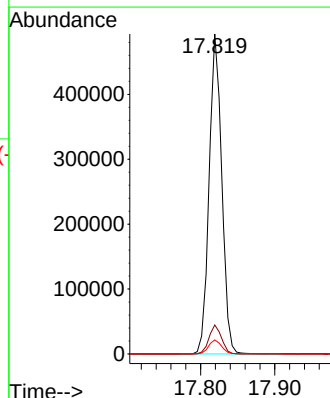
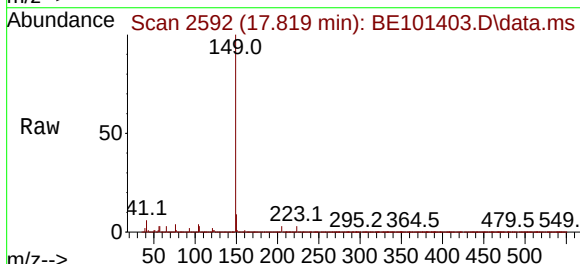
Tgt Ion:149 Resp: 582289

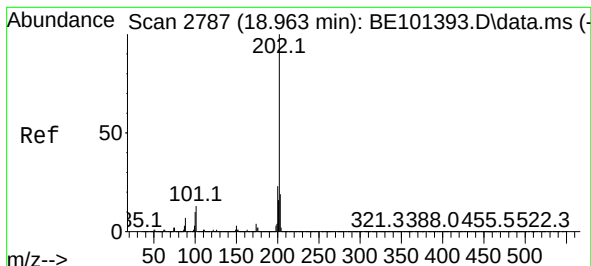
Ion Ratio Lower Upper

149 100

150 9.1 8.2 12.4

104 4.4 3.9 5.9





#75

Fluoranthene

Concen: 12.785 ng

RT: 18.959 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

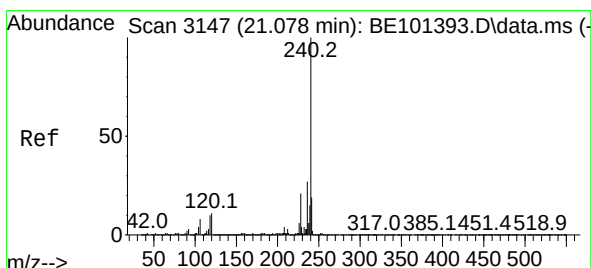
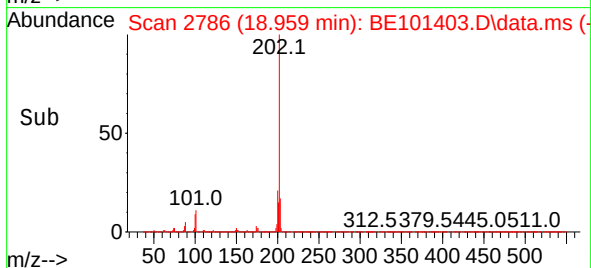
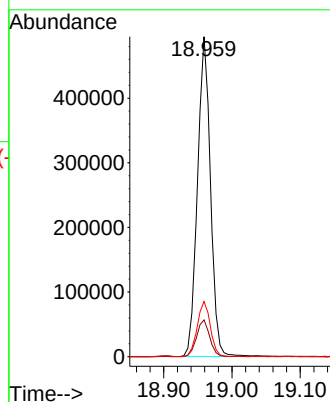
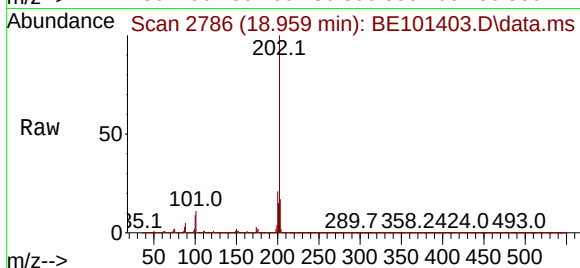
Tgt Ion:202 Resp: 654414

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.3

203 17.2 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.074 min Scan# 3146

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

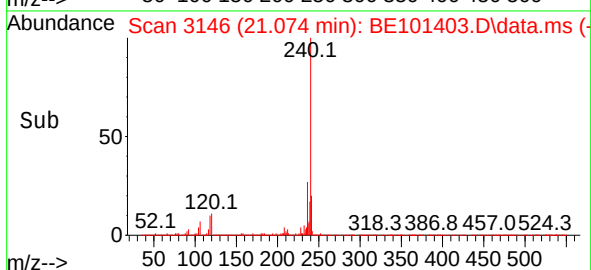
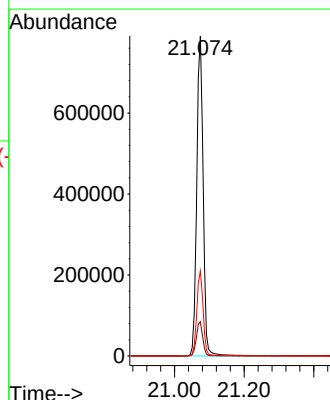
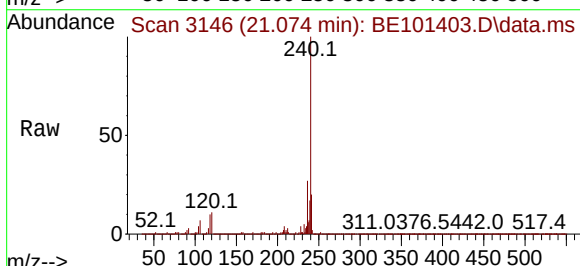
Tgt Ion:240 Resp: 1010619

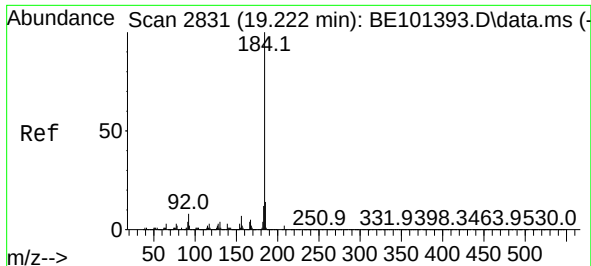
Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 26.6 21.4 32.0





#77

Benzidine

Concen: 10.932 ng

RT: 19.217 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

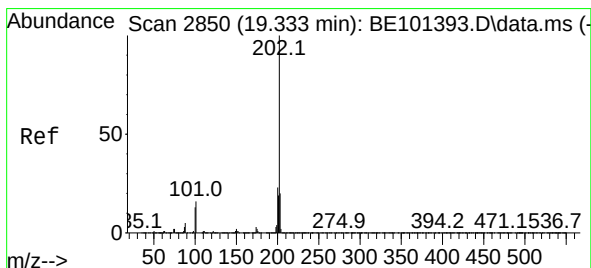
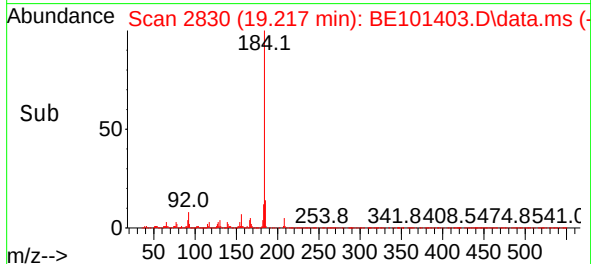
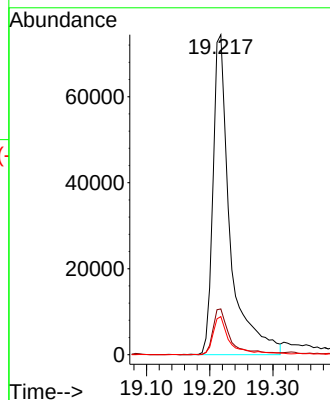
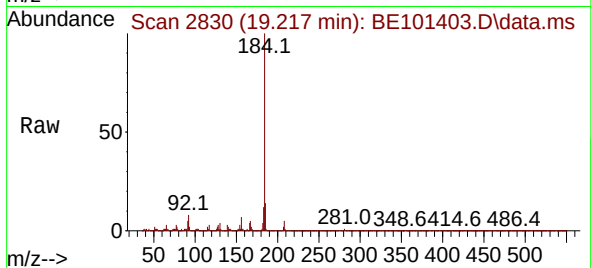
Tgt Ion:184 Resp: 140213

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.9 9.3 13.9



#78

Pyrene

Concen: 12.658 ng

RT: 19.329 min Scan# 2849

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

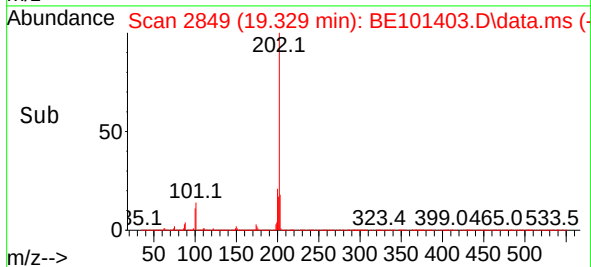
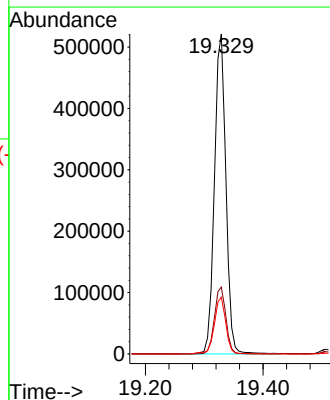
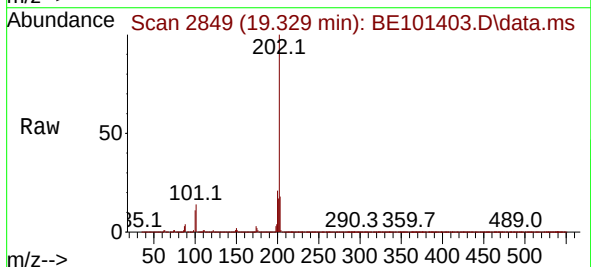
Tgt Ion:202 Resp: 703505

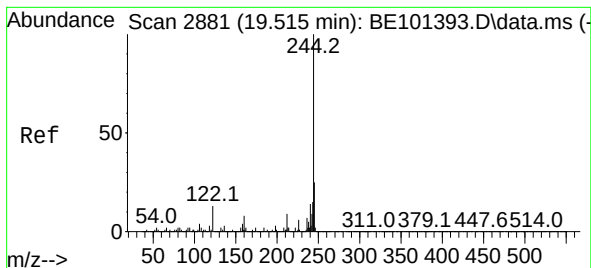
Ion Ratio Lower Upper

202 100

200 20.9 18.6 28.0

203 17.8 15.6 23.4





#79

Terphenyl-d14

Concen: 63.562 ng

RT: 19.505 min Scan# 21

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

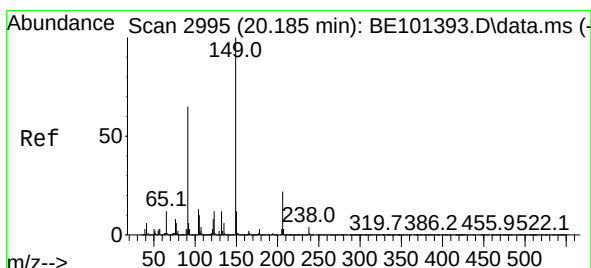
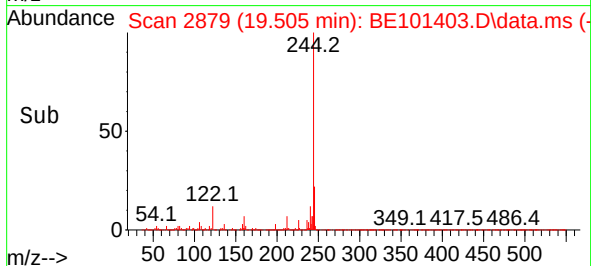
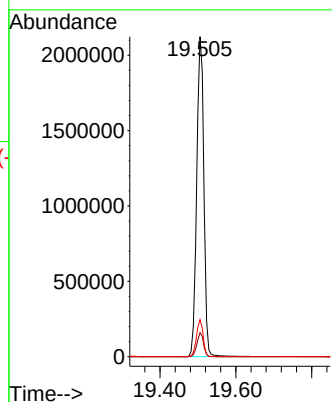
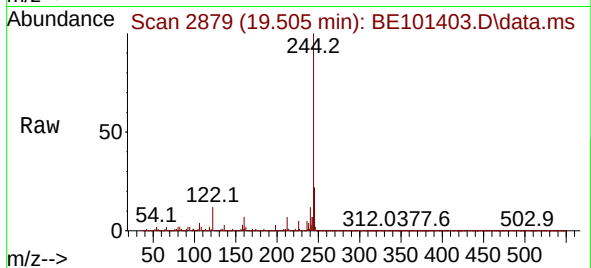
Tgt Ion:244 Resp: 2791025

Ion Ratio Lower Upper

244 100

212 7.5 7.2 10.8

122 11.6 10.4 15.6



#80

Butylbenzylphthalate

Concen: 11.857 ng

RT: 20.181 min Scan# 2994

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

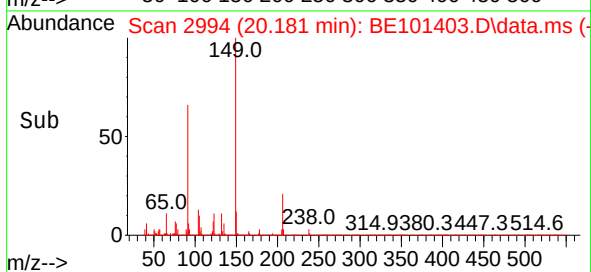
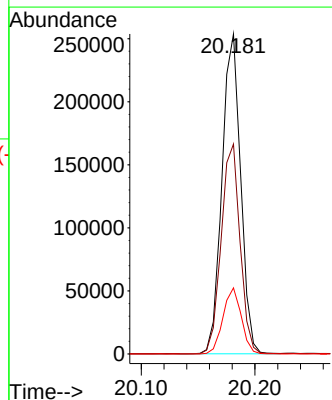
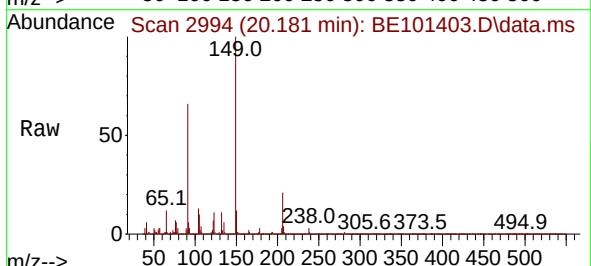
Tgt Ion:149 Resp: 288885

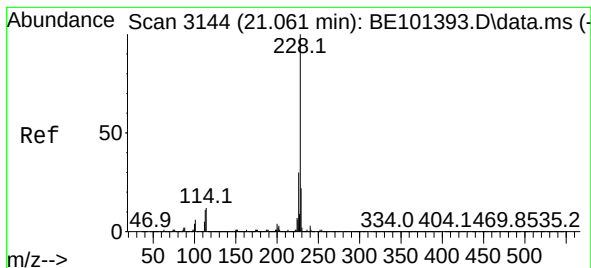
Ion Ratio Lower Upper

149 100

91 65.6 51.8 77.8

206 20.7 17.4 26.2





#81

Benzo(a)anthracene

Concen: 13.367 ng

RT: 21.051 min Scan# 3142

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

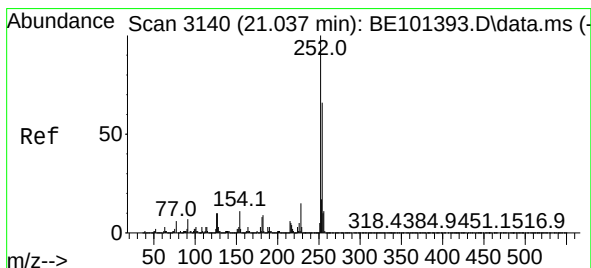
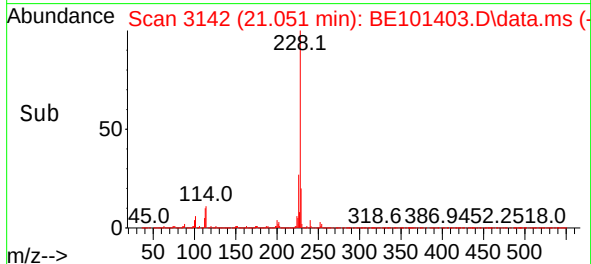
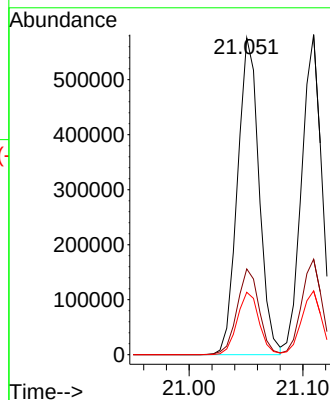
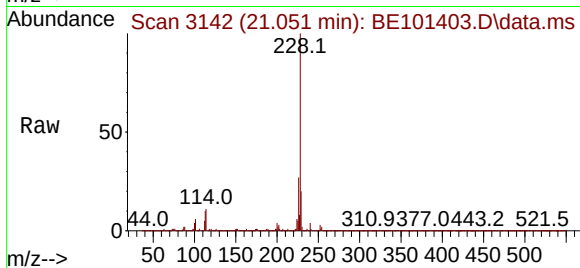
Tgt Ion:228 Resp: 759286

Ion Ratio Lower Upper

228 100

226 27.1 24.1 36.1

229 19.7 17.3 25.9



#82

3,3'-Dichlorobenzidine

Concen: 11.766 ng

RT: 21.027 min Scan# 3138

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

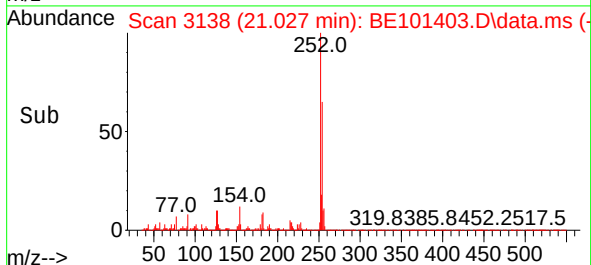
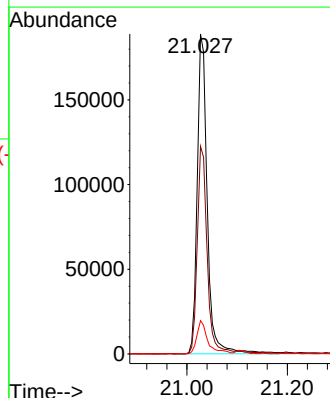
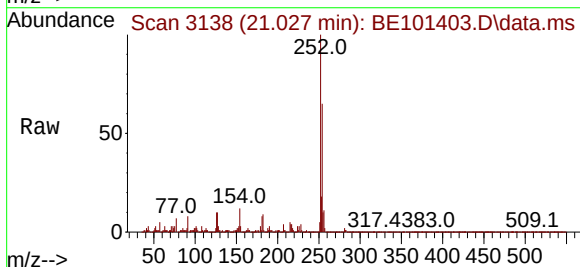
Tgt Ion:252 Resp: 261812

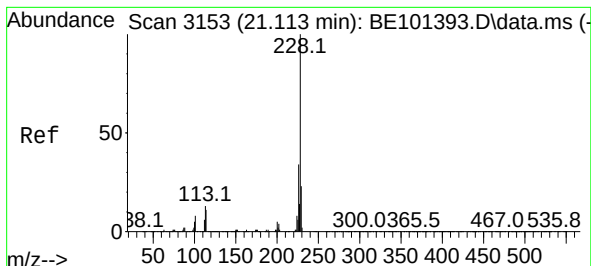
Ion Ratio Lower Upper

252 100

254 64.9 52.6 78.8

126 10.4 7.7 11.5





#83

Chrysene

Concen: 13.285 ng

RT: 21.109 min Scan# 3153

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

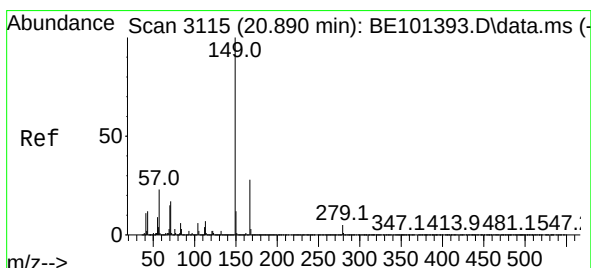
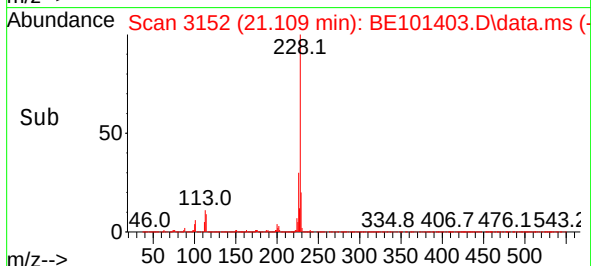
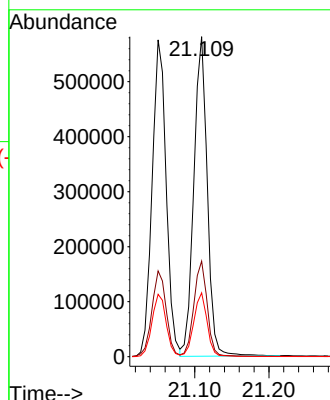
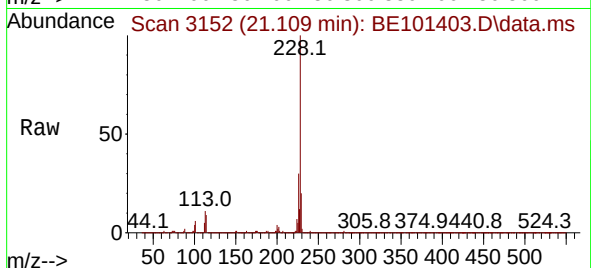
Tgt Ion:228 Resp: 729629

Ion Ratio Lower Upper

228 100

226 29.9 27.2 40.8

229 19.9 18.0 27.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.831 ng

RT: 20.880 min Scan# 3113

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

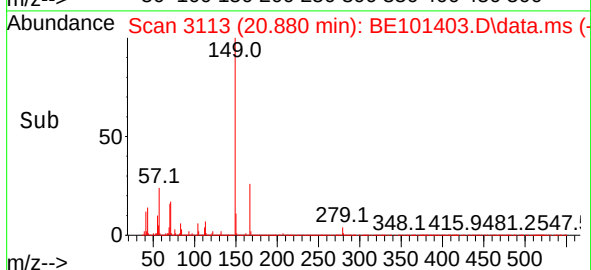
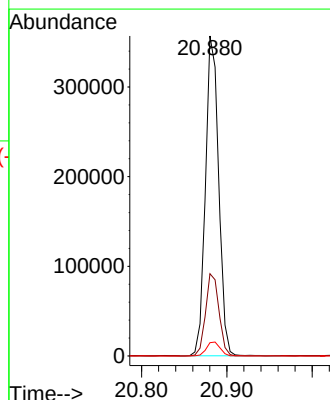
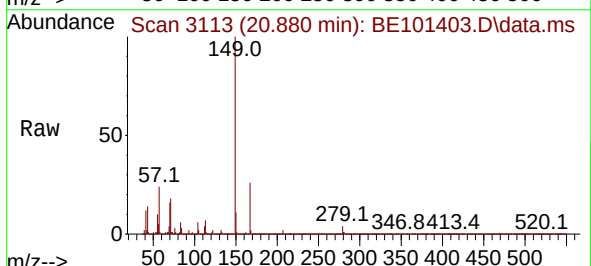
Tgt Ion:149 Resp: 382917

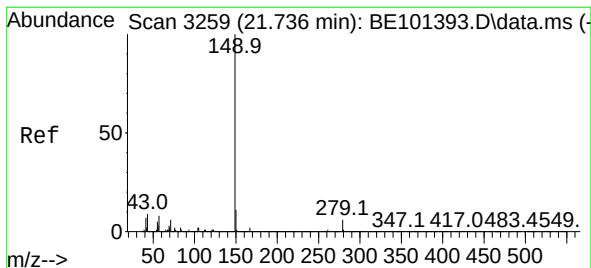
Ion Ratio Lower Upper

149 100

167 25.7 22.7 34.1

279 4.2 4.3 6.5





#85

Di-n-octyl phthalate

Concen: 12.483 ng

RT: 21.732 min Scan# 31

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

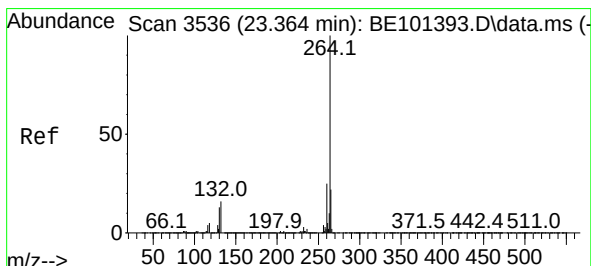
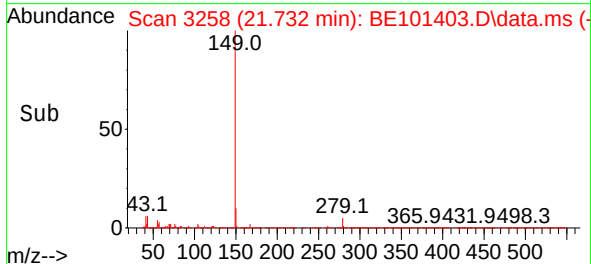
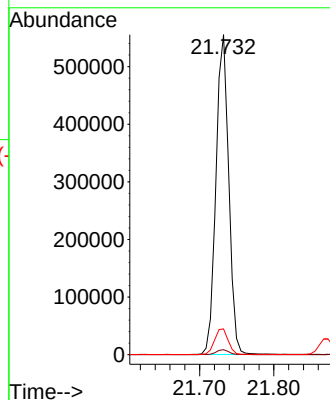
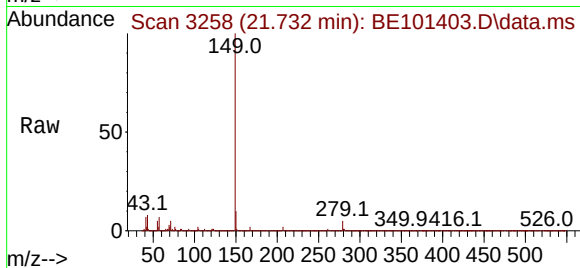
Tgt Ion:149 Resp: 663125

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 8.6 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.360 min Scan# 3535

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

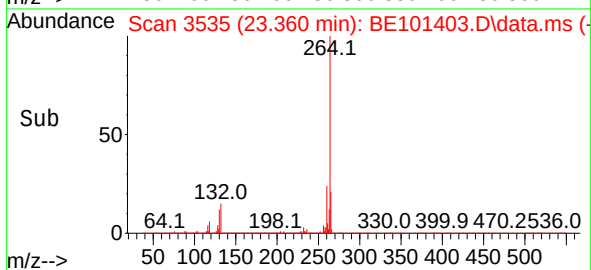
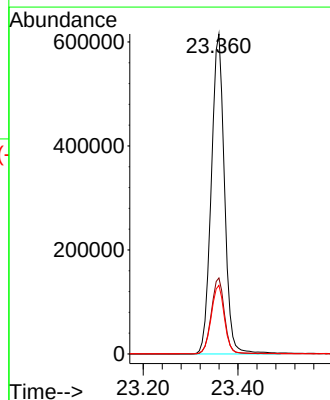
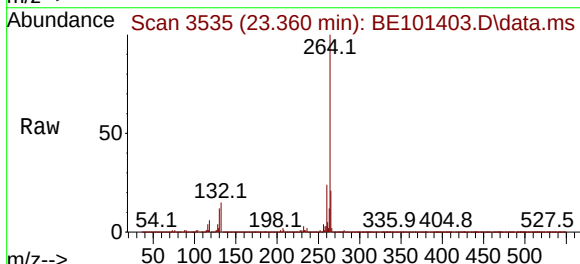
Tgt Ion:264 Resp: 1188813

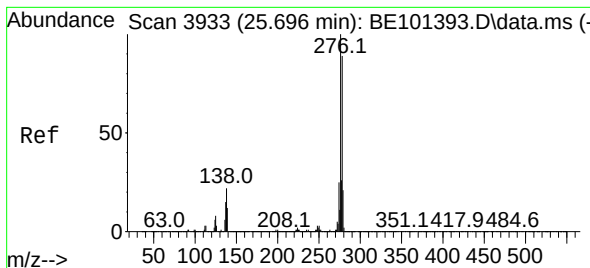
Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.8

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.603 ng

RT: 25.669 min Scan# 3928

Delta R.T. -0.028 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

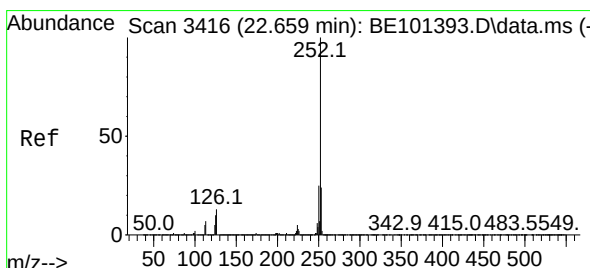
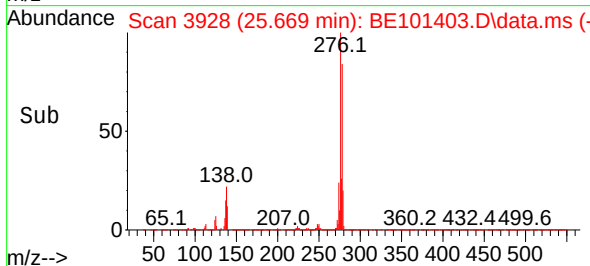
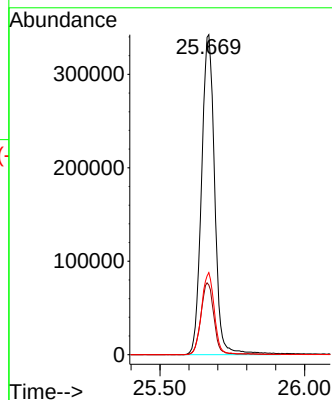
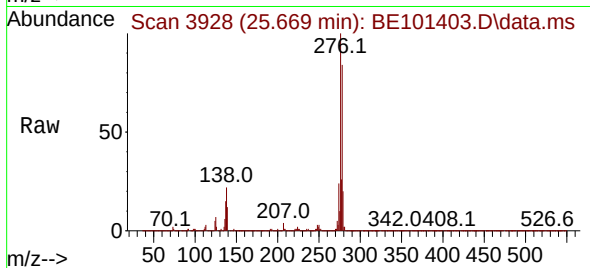
Tgt Ion:276 Resp: 1082264

Ion Ratio Lower Upper

276 100

138 22.0 17.8 26.8

277 24.9 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 12.791 ng

RT: 22.649 min Scan# 3414

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

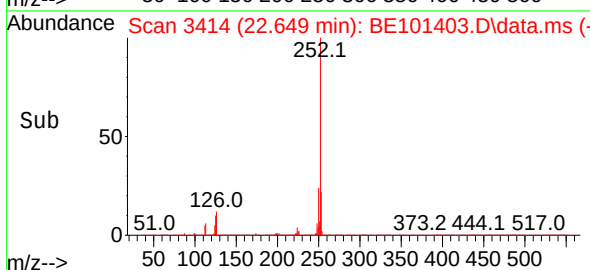
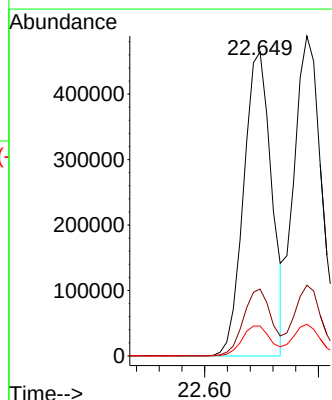
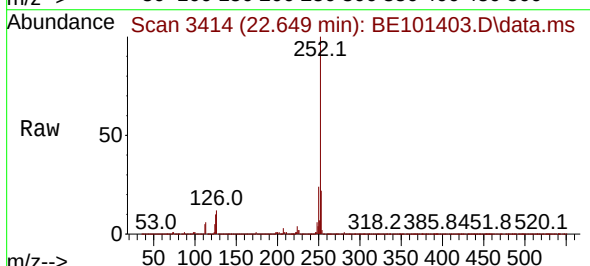
Tgt Ion:252 Resp: 792441

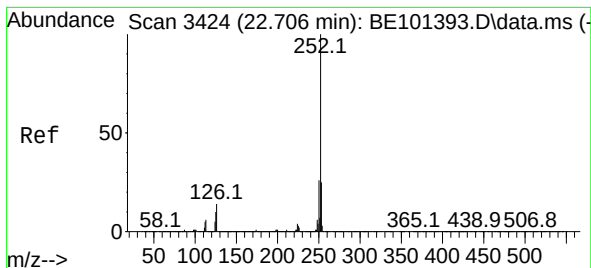
Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

125 9.8 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 14.508 ng

RT: 22.690 min Scan# 3424

Delta R.T. -0.016 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

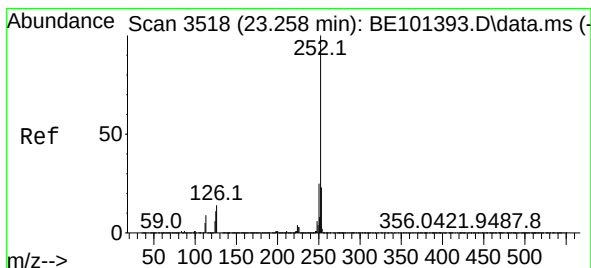
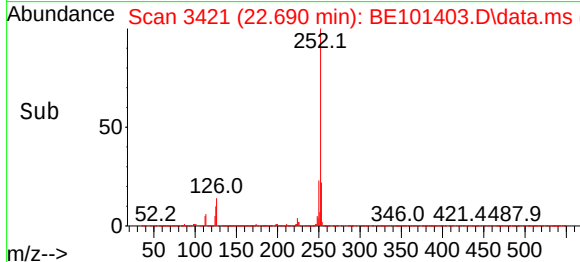
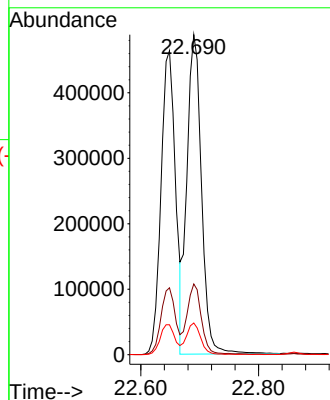
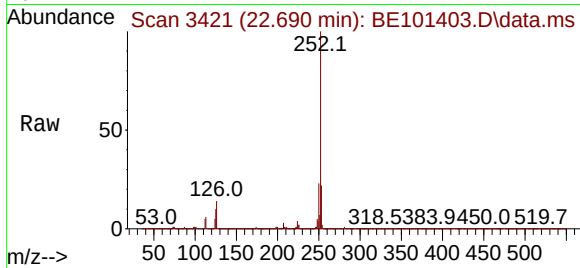
Tgt Ion:252 Resp: 839727

Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

125 9.9 8.2 12.2



#90

Benzo(a)pyrene

Concen: 13.827 ng

RT: 23.248 min Scan# 3516

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

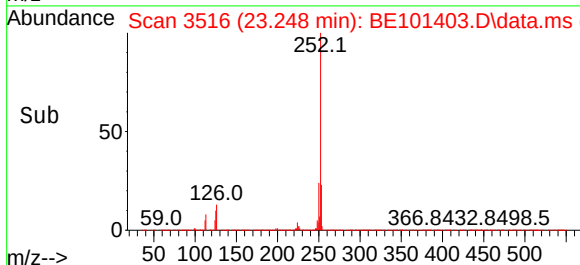
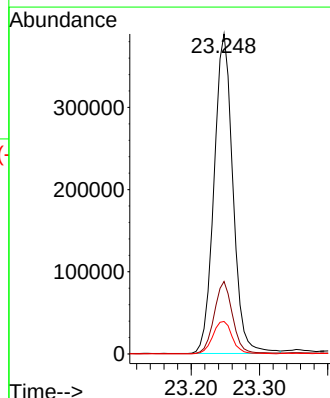
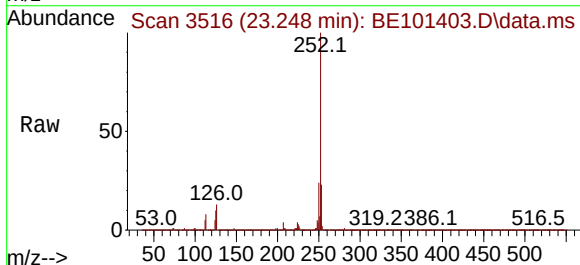
Tgt Ion:252 Resp: 749172

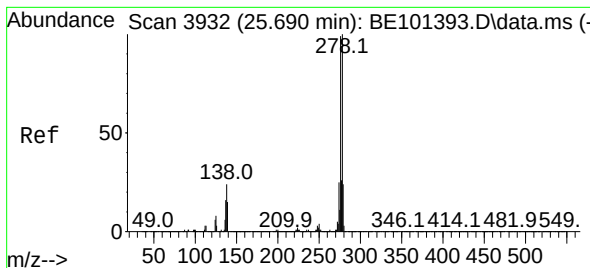
Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 10.2 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 13.461 ng

RT: 25.663 min Scan# 3932

Delta R.T. -0.028 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

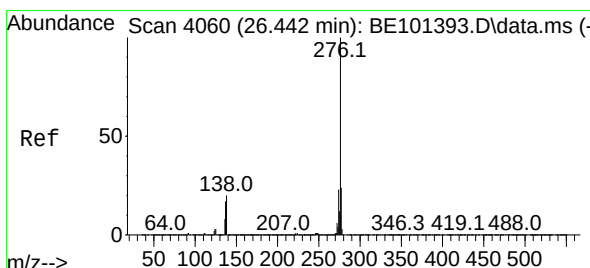
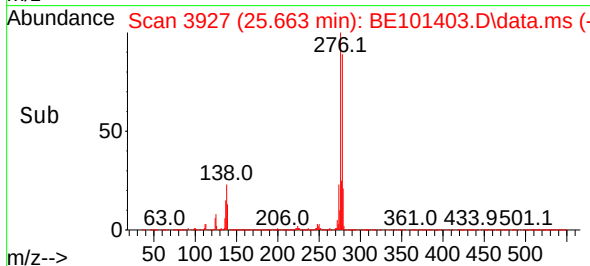
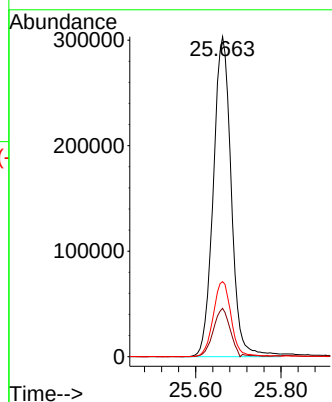
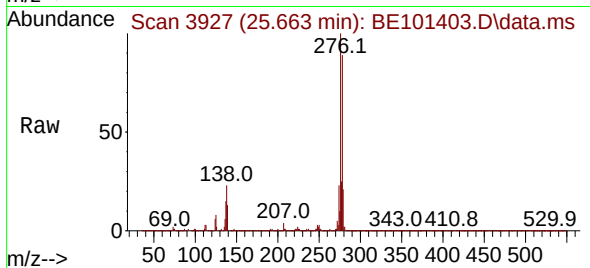
Tgt Ion:278 Resp: 884922

Ion Ratio Lower Upper

278 100

139 15.1 11.9 17.9

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 12.181 ng

RT: 26.409 min Scan# 4054

Delta R.T. -0.033 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:276 Resp: 825102

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 19.6 15.8 23.6

