

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101407.D
 Acq On : 29 Oct 2024 15:08
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 29 15:45:39 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	7.573	152	115718	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	571894	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	432347	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	1011839	20.000	ng	0.00
76) Chrysene-d12	21.075	240	1139291	20.000	ng	0.00
86) Perylene-d12	23.360	264	1430347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.317	112	648717	98.255	ng	0.00
7) Phenol-d6	6.944	99	933982	102.020	ng	0.00
23) Nitrobenzene-d5	8.783	82	671661	73.766	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	808898	106.748	ng	0.00
45) 2-Fluorobiphenyl	12.802	172	1885557	73.859	ng	0.00
79) Terphenyl-d14	19.506	244	3502256	70.751	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.219	88	21972	8.923	ng	99
3) Pyridine	3.754	79	32168	4.617	ng	96
4) n-Nitrosodimethylamine	3.613	42	19446	7.214	ng	# 95
6) Aniline	7.015	93	94410	13.456	ng	100
8) 2-Chlorophenol	7.214	128	69834	8.819	ng	96
9) Benzaldehyde	6.785	77	50985	11.537	ng	98
10) Phenol	6.968	94	76571	7.709	ng	90
11) bis(2-Chloroethyl)ether	7.015	93	94410	11.586	ng	# 31
12) 1,3-Dichlorobenzene	7.455	146	73040	8.554	ng	97
13) 1,4-Dichlorobenzene	7.608	146	74289	8.520	ng	97
14) 1,2-Dichlorobenzene	7.937	146	73508	8.612	ng	99
15) Benzyl Alcohol	7.913	79	49774	9.121	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.066	45	97539	9.512	ng	99
17) 2-Methylphenol	8.154	107	53177	7.910	ng	97
18) Hexachloroethane	8.630	117	24159	8.484	ng	98
19) n-Nitroso-di-n-propyla...	8.372	70	56861	9.360	ng	98
20) 3+4-Methylphenols	8.489	107	74267	8.003	ng	97
22) Acetophenone	8.425	105	116204	8.949	ng	# 99
24) Nitrobenzene	8.824	77	82704	8.534	ng	98
25) Isophorone	9.271	82	158983	8.948	ng	98
26) 2-Nitrophenol	9.512	139	37896	8.091	ng	100
27) 2,4-Dimethylphenol	9.623	122	40286	6.835	ng	98
28) bis(2-Chloroethoxy)met...	9.776	93	93006	8.631	ng	99
29) 2,4-Dichlorophenol	10.058	162	66501	8.156	ng	99
30) 1,2,4-Trichlorobenzene	10.181	180	74190	8.352	ng	98
31) Naphthalene	10.387	128	252633	8.669	ng	98
32) Benzoic acid	9.823	122	18748	10.778	ng	94
33) 4-Chloroaniline	10.616	127	99709	9.839	ng	99
34) Hexachlorobutadiene	10.640	225	42318	8.048	ng	97
35) Caprolactam	11.380	113	22405	7.168	ng	93
36) 4-Chloro-3-methylphenol	11.780	107	77383	8.335	ng	98
37) 2-Methylnaphthalene	11.979	142	184913	8.807	ng	98
38) 1-Methylnaphthalene	12.203	142	174662	8.335	ng	100
40) 1,2,4,5-Tetrachloroben...	12.332	216	92030	8.479	ng	99
41) Hexachlorocyclopentadiene	12.314	237	25577	7.136	ng	100
43) 2,4,6-Trichlorophenol	12.649	196	61223	8.182	ng	99

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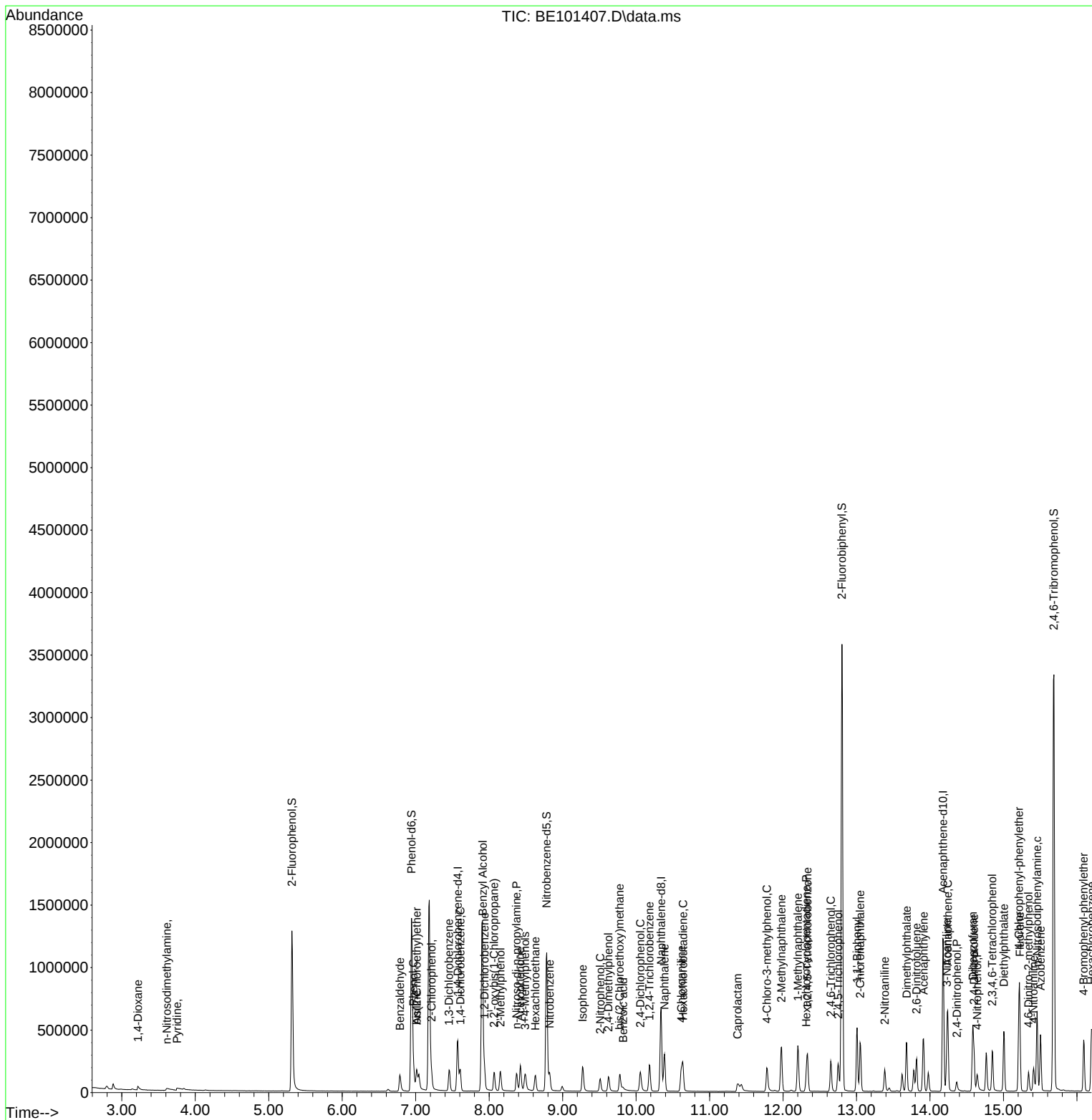
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.749	196	68949	8.047	ng	97
46) 1,1'-Biphenyl	13.008	154	266977	9.013	ng	99
47) 2-Chloronaphthalene	13.049	162	195424	8.351	ng	99
48) 2-Nitroaniline	13.384	65	48102	7.638	ng	95
49) Acenaphthylene	13.912	152	324223	9.368	ng	99
50) Dimethylphthalate	13.683	163	274325	8.989	ng	99
51) 2,6-Dinitrotoluene	13.818	165	56109	7.963	ng	99
52) Acenaphthene	14.241	154	194427	8.604	ng	99
53) 3-Nitroaniline	14.230	138	58857	8.401	ng	98
54) 2,4-Dinitrophenol	14.365	184	20299	9.387	ng	# 89
55) Dibenzofuran	14.582	168	325936	9.049	ng	98
56) 4-Nitrophenol	14.641	139	47224	7.360	ng	96
57) 2,4-Dinitrotoluene	14.600	165	74337	7.663	ng	# 87
58) Fluorene	15.223	166	269351	8.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.847	232	66979	8.461	ng	99
60) Diethylphthalate	15.005	149	280802	8.797	ng	98
61) 4-Chlorophenyl-phenyle...	15.211	204	129959	8.692	ng	98
62) 4-Nitroaniline	15.411	138	61650	7.908	ng	99
63) Azobenzene	15.505	77	247780	9.030	ng	98
65) 4,6-Dinitro-2-methylph...	15.340	198	35088	5.901	ng	93
66) n-Nitrosodiphenylamine	15.458	169	240022	8.945	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	89275	8.388	ng	98
68) Hexachlorobenzene	16.198	284	116223	8.331	ng	99
69) Atrazine	16.386	200	86642	10.532	ng	99
70) Pentachlorophenol	16.603	266	54884	6.834	ng	97
71) Phenanthrene	16.956	178	457870	9.451	ng	98
72) Anthracene	17.044	178	443070	9.366	ng	97
73) Carbazole	17.373	167	434826	8.984	ng	98
74) Di-n-butylphthalate	17.820	149	479082	8.991	ng	97
75) Fluoranthene	18.959	202	551191	9.367	ng	95
77) Benzidine	19.212	184	186995	12.932	ng	99
78) Pyrene	19.330	202	592975	9.465	ng	96
80) Butylbenzylphthalate	20.181	149	241382	8.788	ng	97
81) Benzo(a)anthracene	21.051	228	631652	9.864	ng	95
82) 3,3'-Dichlorobenzidine	21.028	252	227196	9.057	ng	98
83) Chrysene	21.110	228	613259	9.905	ng	93
84) Bis(2-ethylhexyl)phtha...	20.881	149	323186	8.858	ng	# 95
85) Di-n-octyl phthalate	21.733	149	546397	9.124	ng	99
87) Indeno(1,2,3-cd)pyrene	25.663	276	879275	9.185	ng	99
88) Benzo(b)fluoranthene	22.649	252	656933	8.813	ng	97
89) Benzo(k)fluoranthene	22.690	252	693128	9.953	ng	97
90) Benzo(a)pyrene	23.248	252	621175	9.529	ng	97
91) Dibenzo(a,h)anthracene	25.663	278	718714	9.086	ng	98
92) Benzo(g,h,i)perylene	26.415	276	672798	8.255	ng	99

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

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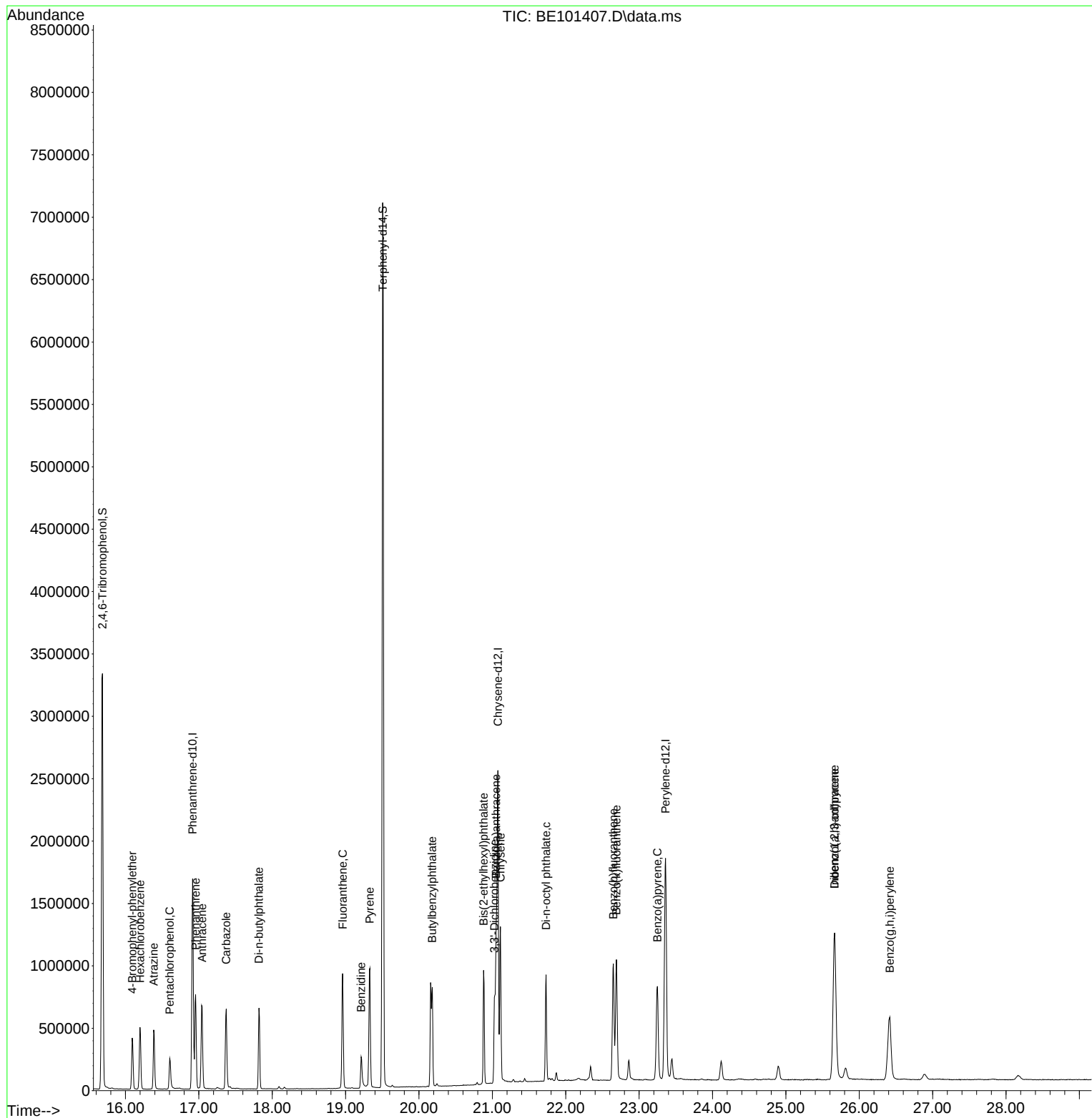
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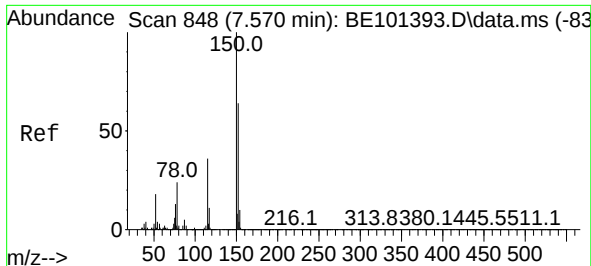


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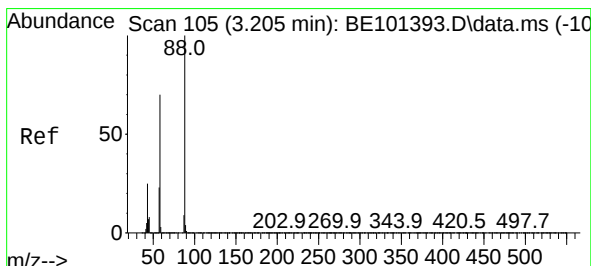
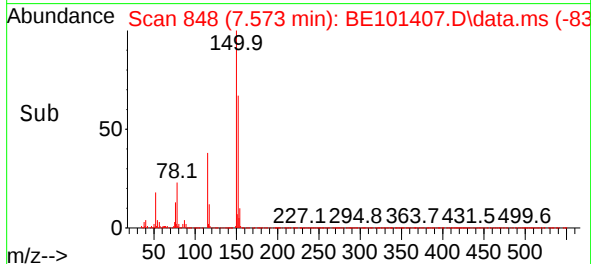
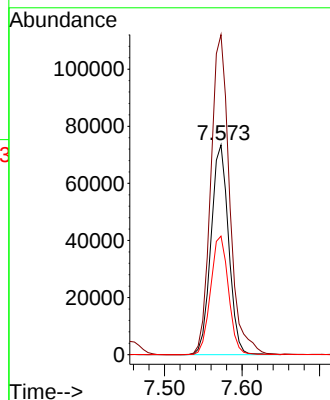
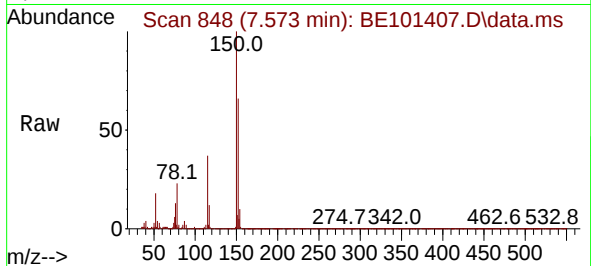




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.573 min Scan# 84
Delta R.T. 0.003 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

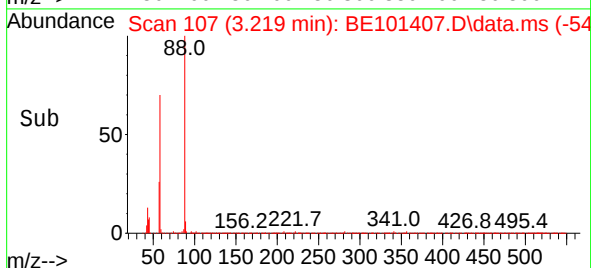
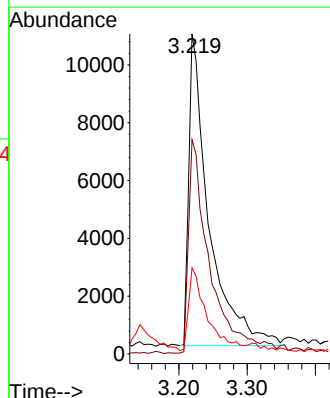
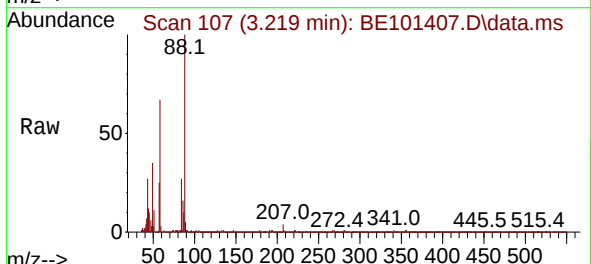
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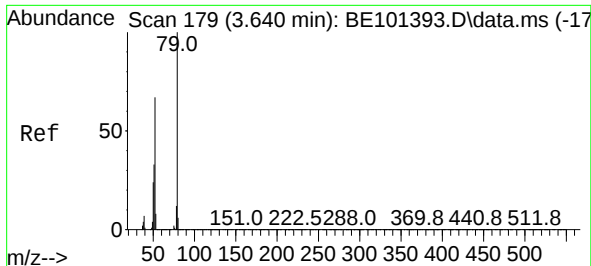
Tgt Ion:152 Resp: 115718
Ion Ratio Lower Upper
152 100
150 152.6 124.2 186.4
115 56.6 45.3 67.9



#2
1,4-Dioxane
Concen: 8.923 ng
RT: 3.219 min Scan# 107
Delta R.T. 0.014 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 88 Resp: 21972
Ion Ratio Lower Upper
88 100
58 69.9 56.5 84.7
43 24.0 19.8 29.8

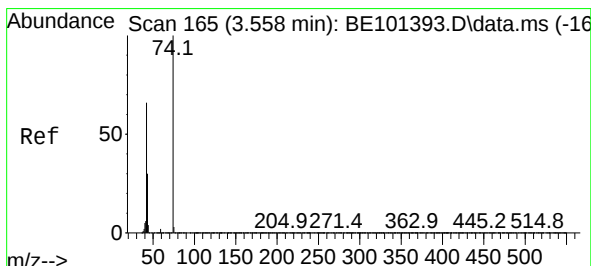
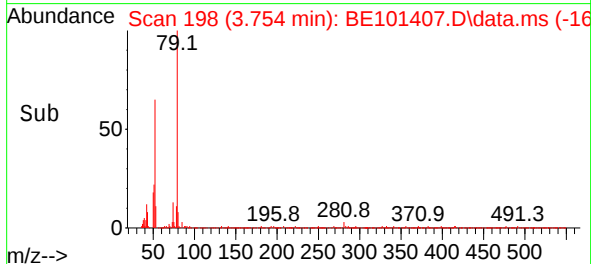
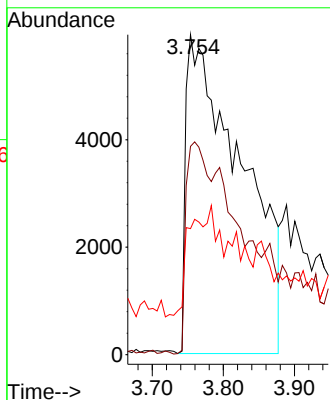
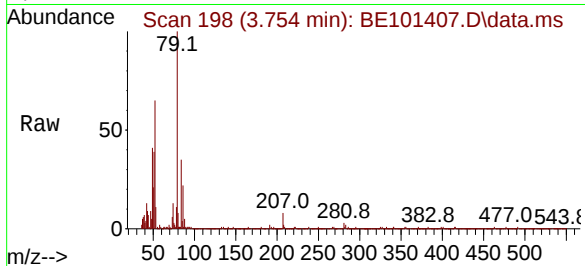




#3
 Pyridine
 Concen: 4.617 ng
 RT: 3.754 min Scan# 11
 Delta R.T. 0.114 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

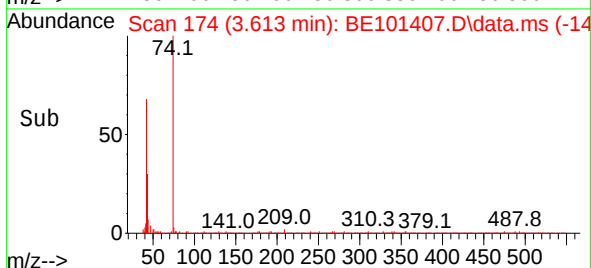
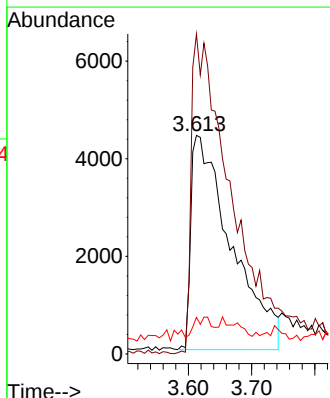
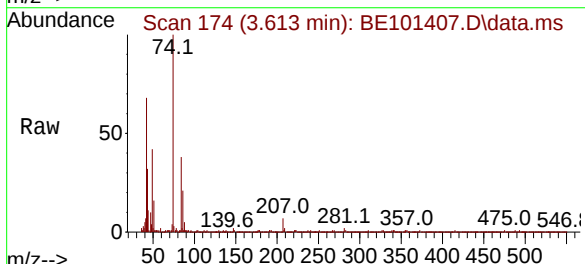
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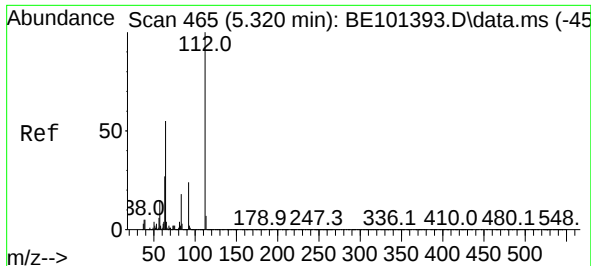
Tgt Ion: 79 Resp: 32168
 Ion Ratio Lower Upper
 79 100
 52 65.1 53.3 79.9
 51 39.4 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 7.214 ng
 RT: 3.613 min Scan# 174
 Delta R.T. 0.055 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion: 42 Resp: 19446
 Ion Ratio Lower Upper
 42 100
 74 146.4 121.4 182.0
 44 16.8 5.6 8.4#

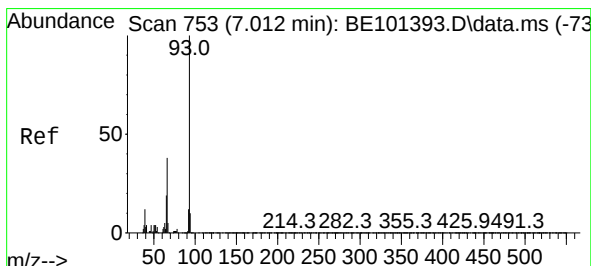
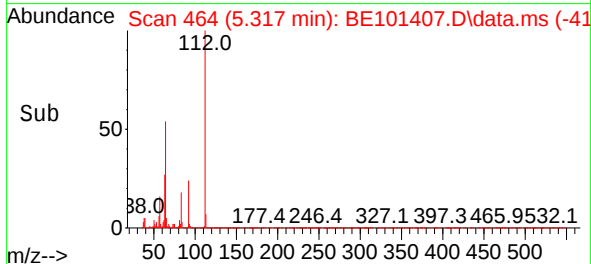
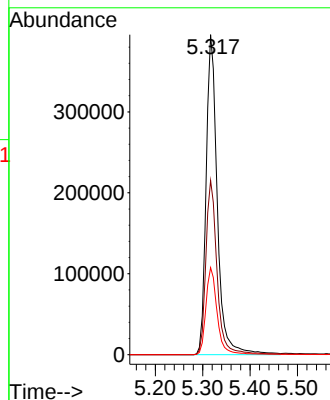
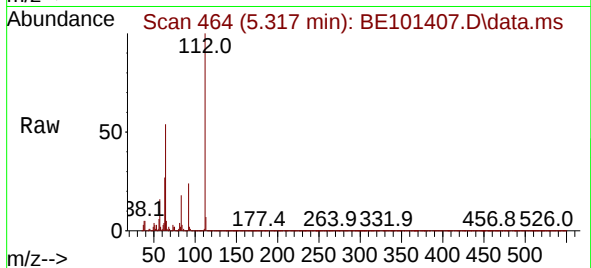




#5
2-Fluorophenol
Concen: 98.255 ng
RT: 5.317 min Scan# 465
Delta R.T. -0.004 min
Lab File: BE101407.D
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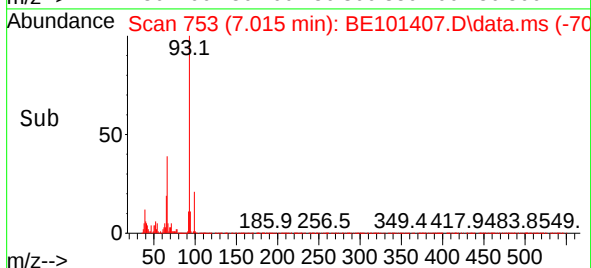
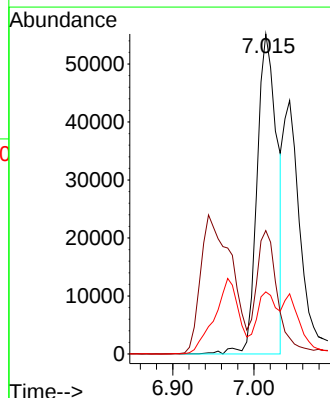
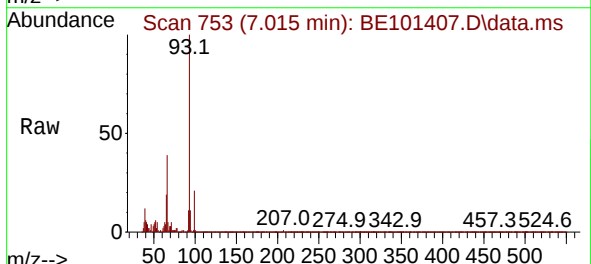
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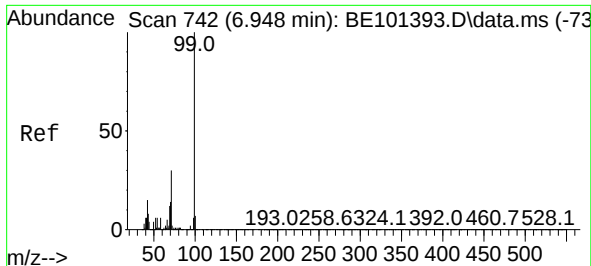
Tgt Ion:112 Resp: 648717
Ion Ratio Lower Upper
112 100
64 54.4 43.7 65.5
63 27.2 21.4 32.2



#6
Aniline
Concen: 13.456 ng
RT: 7.015 min Scan# 753
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 93 Resp: 94410
Ion Ratio Lower Upper
93 100
66 38.5 31.0 46.4
65 19.4 15.5 23.3

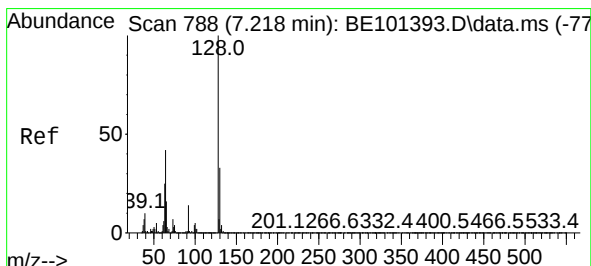
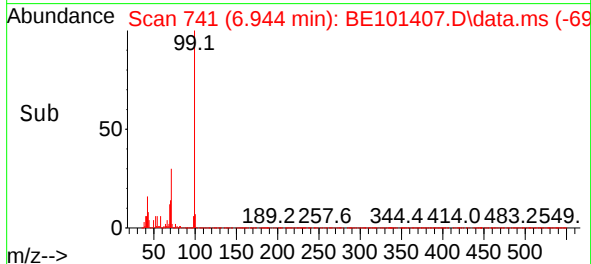
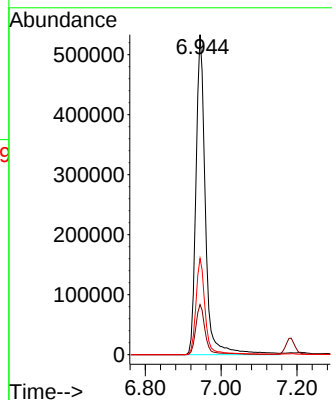
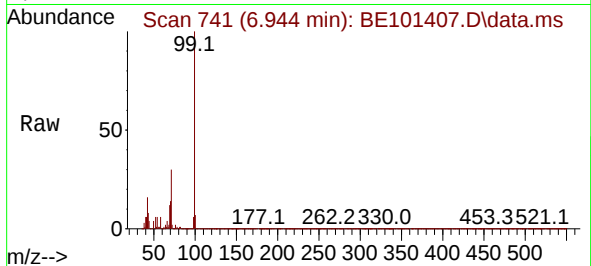




#7
Phenol-d6
Concen: 102.020 ng
RT: 6.944 min Scan# 741
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

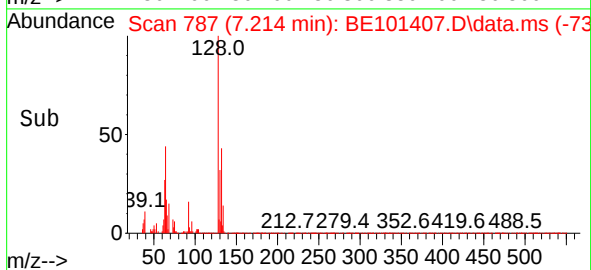
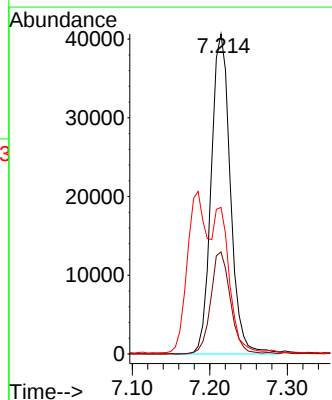
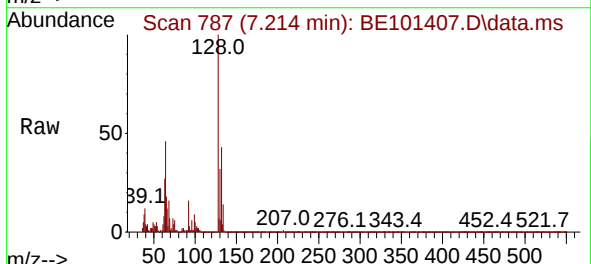
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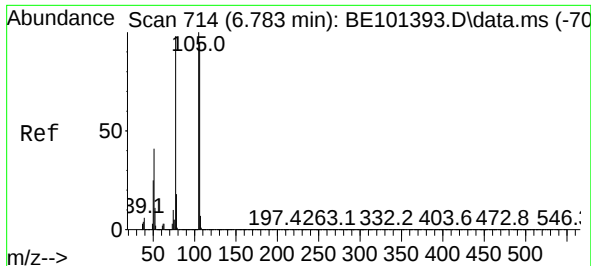
Tgt Ion: 99 Resp: 933982
Ion Ratio Lower Upper
99 100
42 15.6 12.3 18.5
71 30.1 23.8 35.8



#8
2-Chlorophenol
Concen: 8.819 ng
RT: 7.214 min Scan# 787
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:128 Resp: 69834
Ion Ratio Lower Upper
128 100
130 31.9 12.9 52.9
64 45.8 22.3 62.3





#9

Benzaldehyde

Concen: 11.537 ng

RT: 6.785 min Scan# 714

Delta R.T. 0.002 min

Lab File: BE101407.D

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Instrument :

BNA_E

ClientSampleId :

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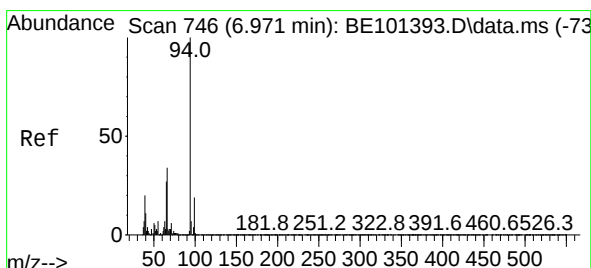
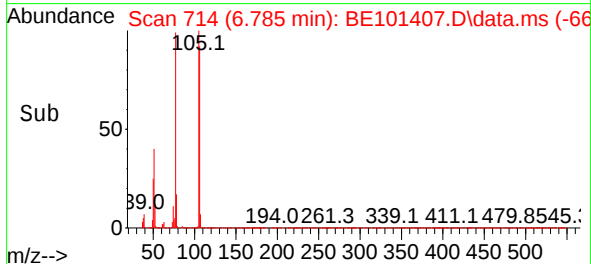
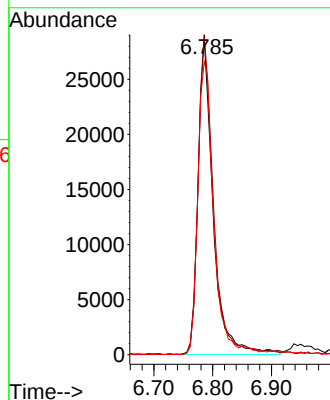
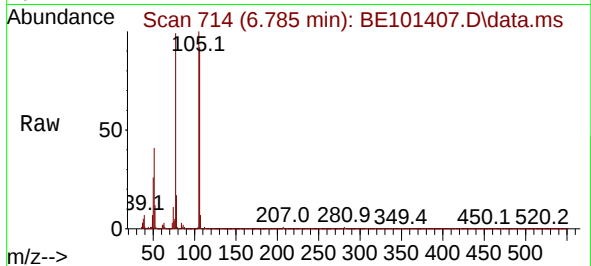
Tgt Ion: 77 Resp: 50985

Ion Ratio Lower Upper

77 100

105 101.2 81.9 121.9

106 92.6 76.5 116.5



#10

Phenol

Concen: 7.709 ng

RT: 6.968 min Scan# 745

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

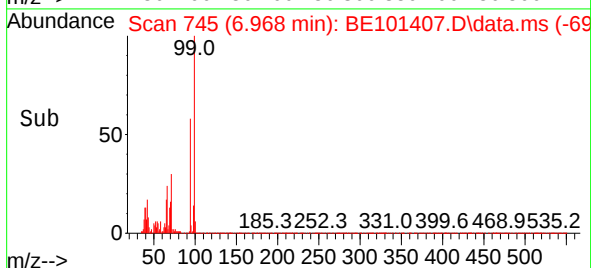
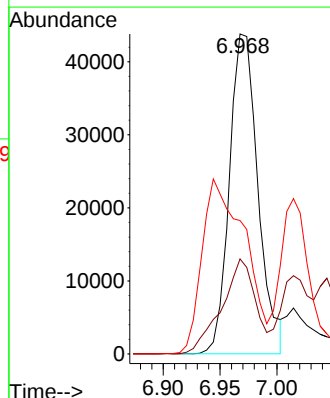
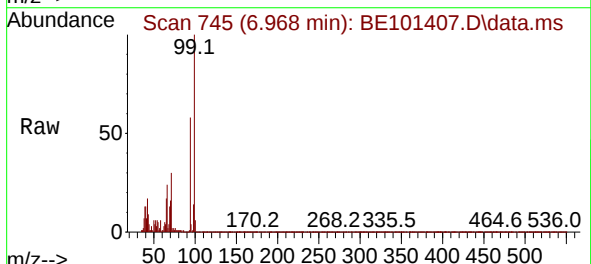
Tgt Ion: 94 Resp: 76571

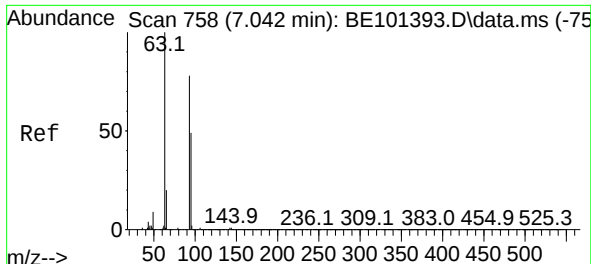
Ion Ratio Lower Upper

94 100

65 29.7 6.8 46.8

66 41.7 14.0 54.0

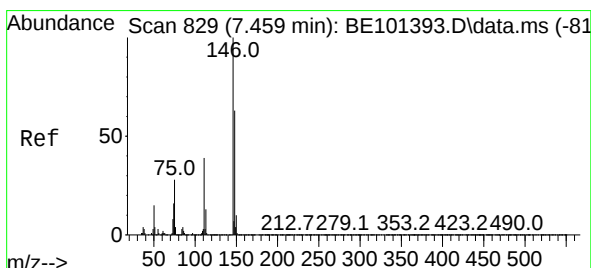
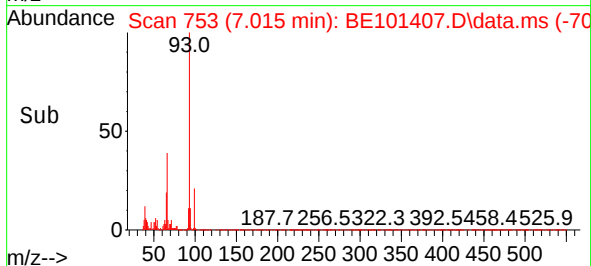
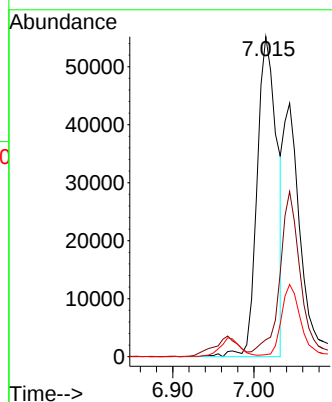
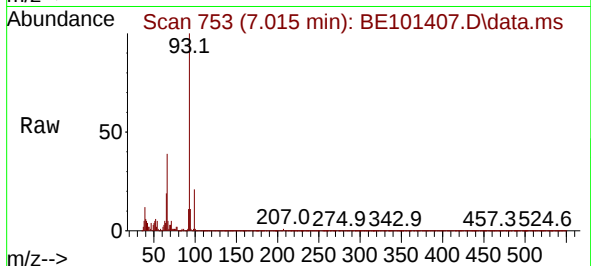




#11
bis(2-Chloroethyl)ether
Concen: 11.586 ng
RT: 7.015 min Scan# 70
Delta R.T. -0.027 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

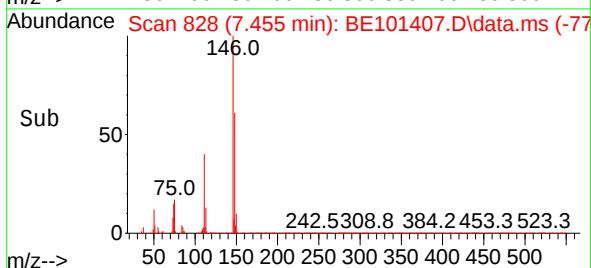
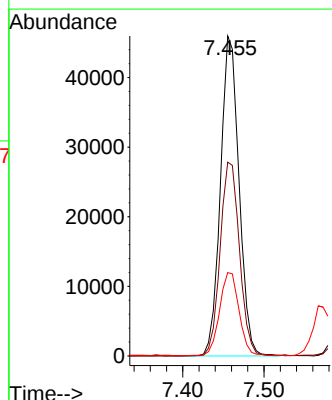
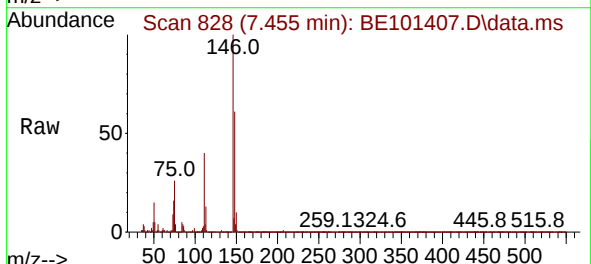
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

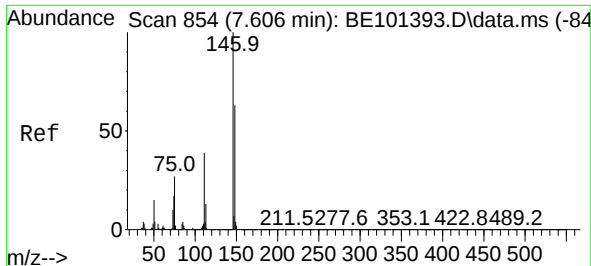
Tgt Ion: 93 Resp: 94410
Ion Ratio Lower Upper
93 100
63 5.3 46.3 86.3#
95 0.7 9.6 49.6#



#12
1,3-Dichlorobenzene
Concen: 8.554 ng
RT: 7.455 min Scan# 828
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 146 Resp: 73040
Ion Ratio Lower Upper
146 100
148 60.6 50.5 75.7
75 26.0 22.0 33.0

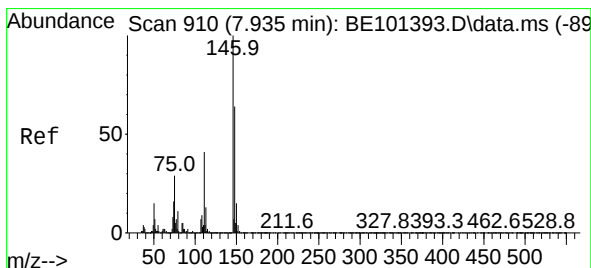
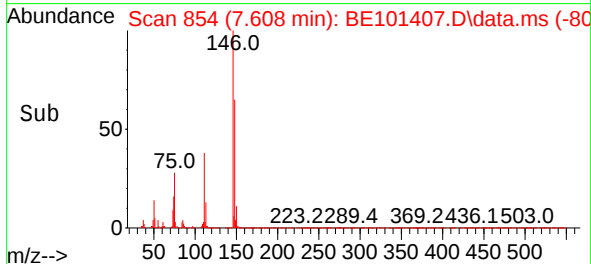
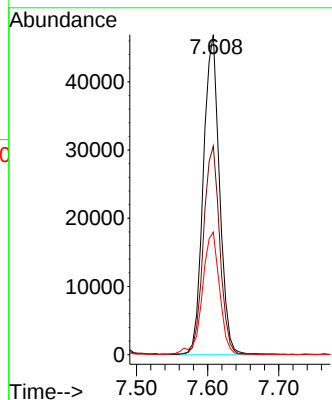
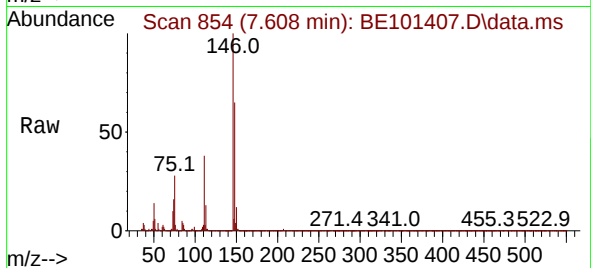




#13
1,4-Dichlorobenzene
Concen: 8.520 ng
RT: 7.608 min Scan# 854
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

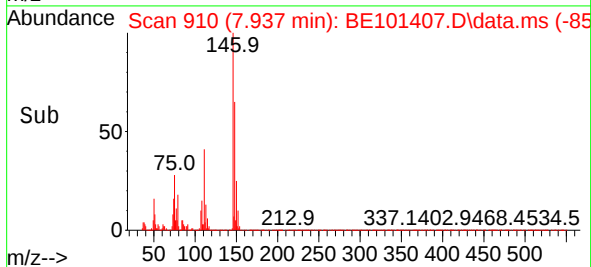
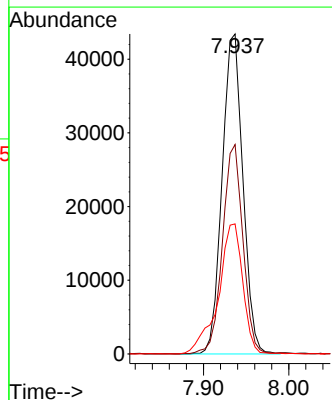
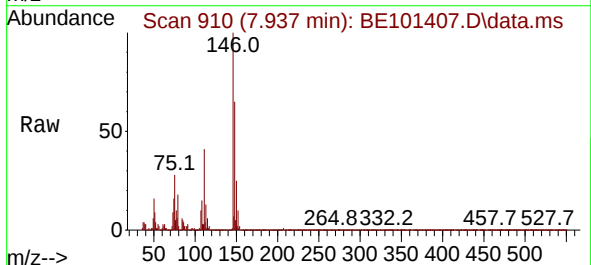
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

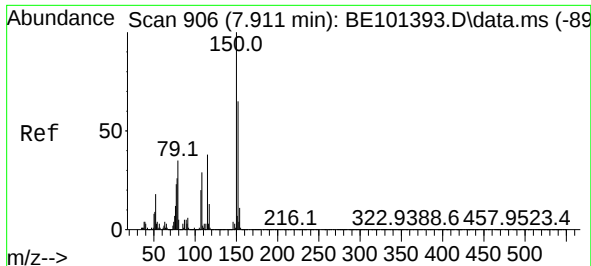
Tgt Ion:146 Resp: 74289
Ion Ratio Lower Upper
146 100
148 65.2 50.2 75.2
111 38.3 31.6 47.4



#14
1,2-Dichlorobenzene
Concen: 8.612 ng
RT: 7.937 min Scan# 910
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:146 Resp: 73508
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.2
111 40.6 32.8 49.2

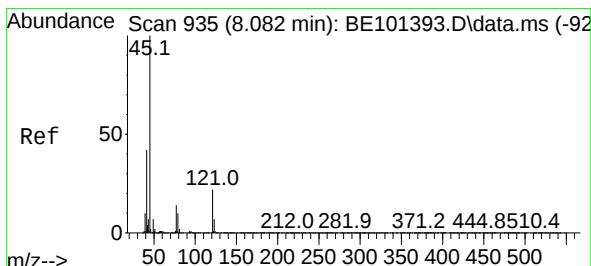
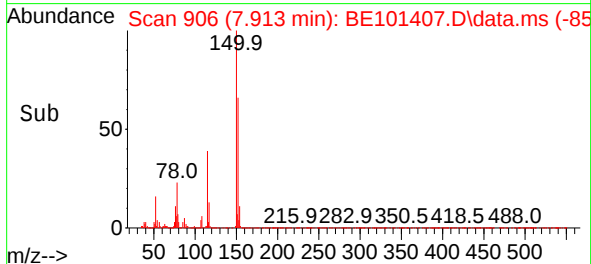
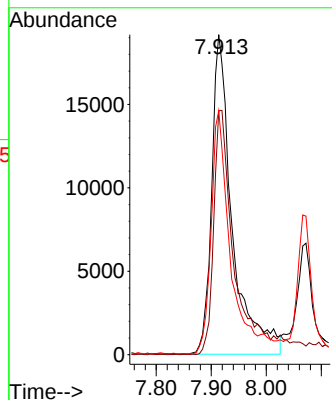
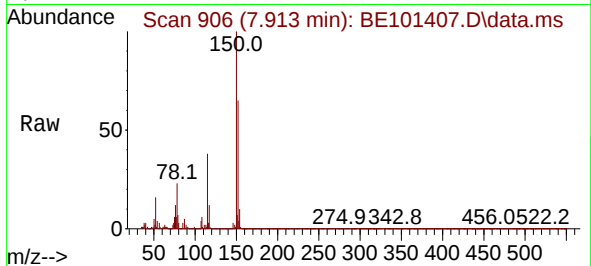




#15
Benzyl Alcohol
Concen: 9.121 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

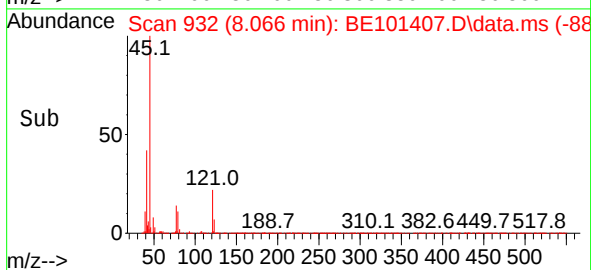
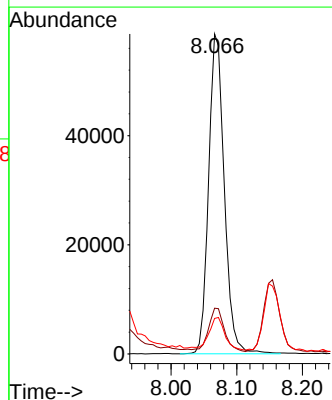
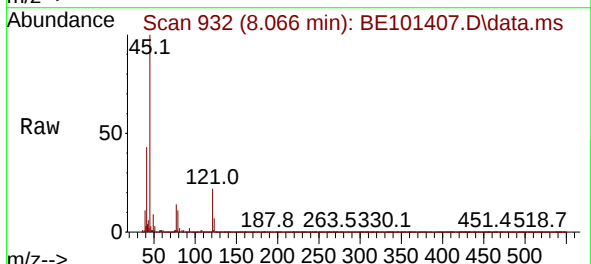
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

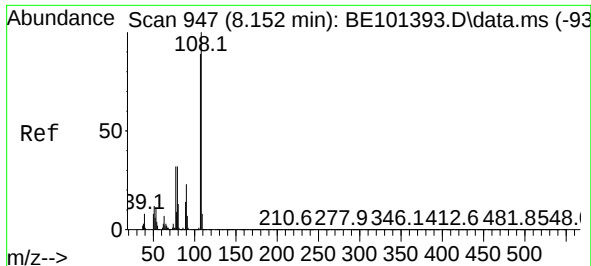
Tgt Ion: 79 Resp: 49774
Ion Ratio Lower Upper
79 100
108 76.2 66.1 99.1
77 76.3 53.1 79.7



#16
2,2'-oxybis(1-chloropropane)
Concen: 9.512 ng
RT: 8.066 min Scan# 932
Delta R.T. -0.015 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 45 Resp: 97539
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.5
79 11.1 0.0 31.8

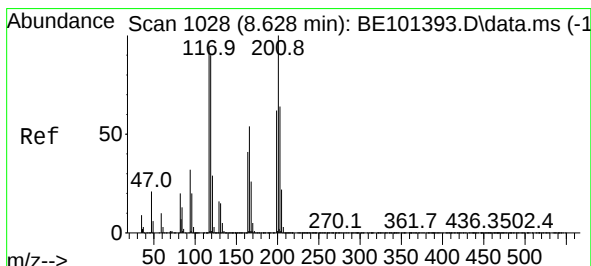
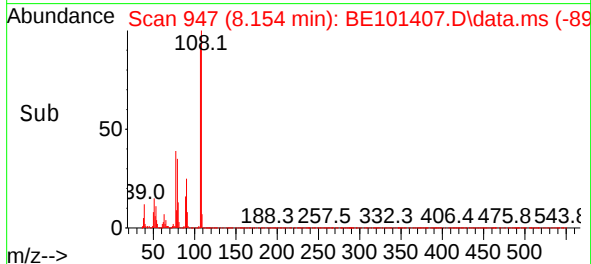
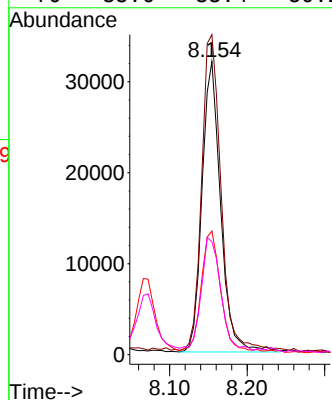
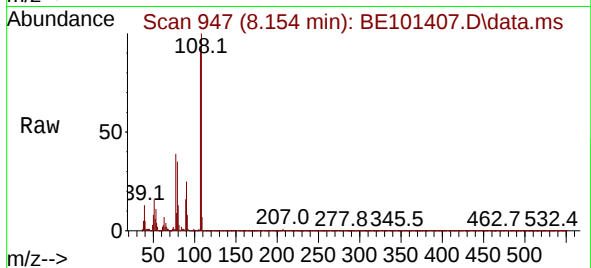




#17
2-Methylphenol
Concen: 7.910 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

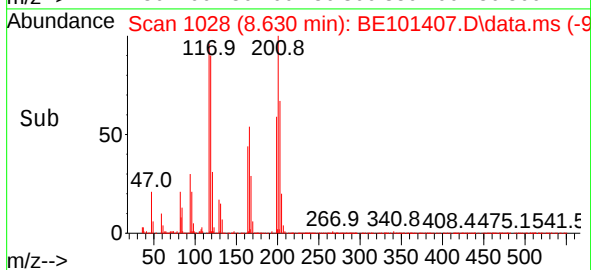
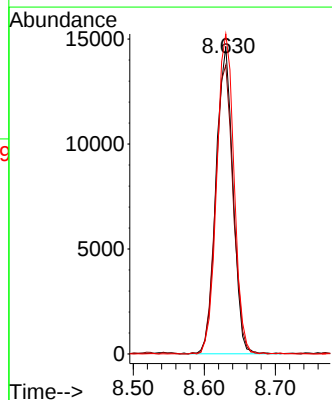
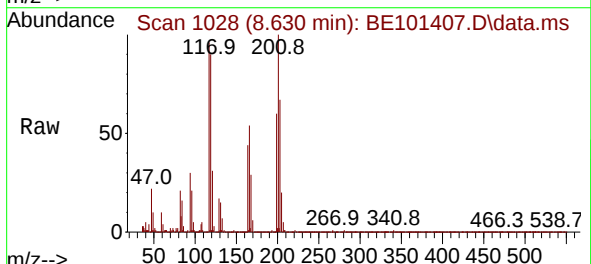
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

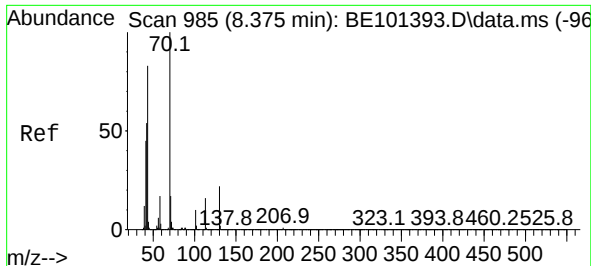
Tgt Ion:	107	Resp:	53177
Ion	Ratio	Lower	Upper
107	100		
108	109.2	90.0	135.0
77	42.2	34.2	51.4
79	38.6	33.4	50.2



#18
Hexachloroethane
Concen: 8.484 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:	117	Resp:	24159
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.0	115.4
201	104.1	85.3	127.9



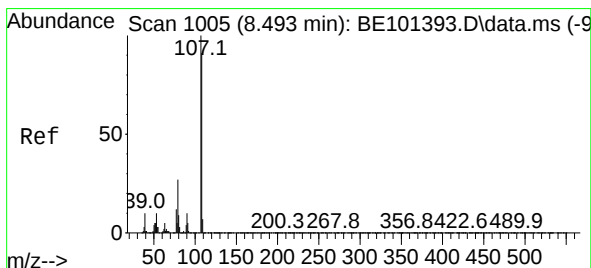
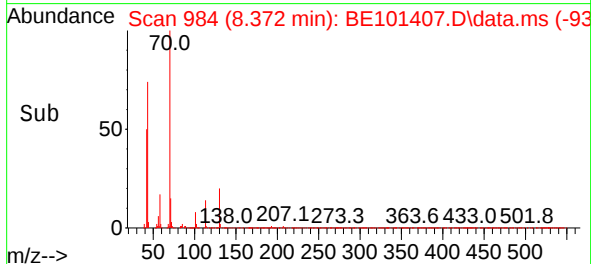
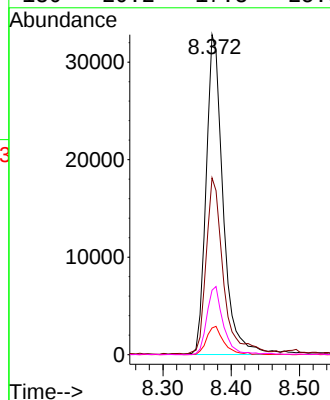
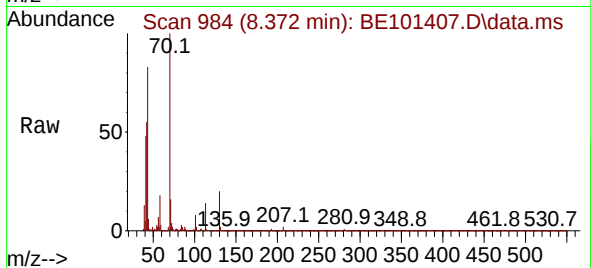


#19
n-Nitroso-di-n-propylamine
Concen: 9.360 ng
RT: 8.372 min Scan# 91
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion: 70 Resp: 56861

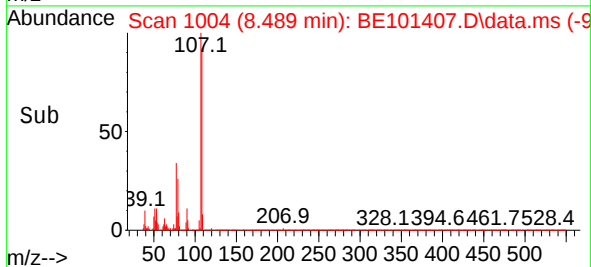
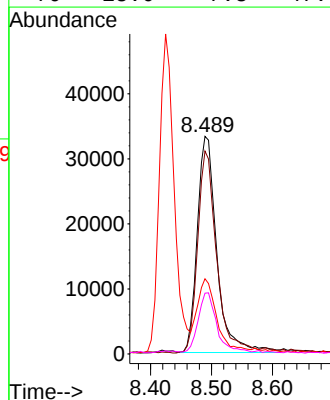
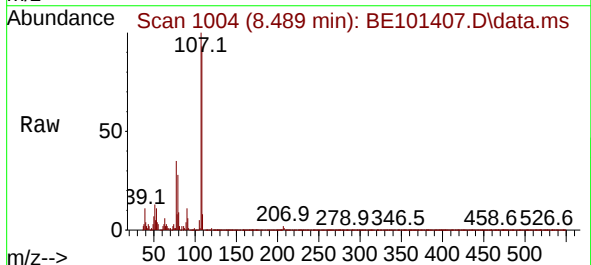
Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.4	65.0
101	8.4	8.1	12.1
130	20.2	17.3	25.9

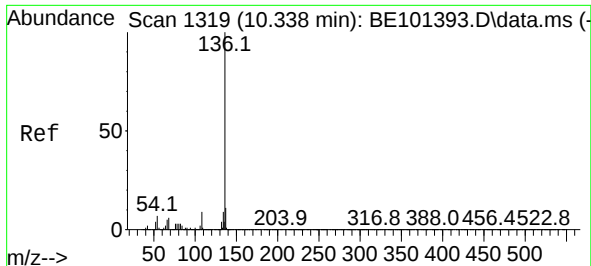


#20
3+4-Methylphenols
Concen: 8.003 ng
RT: 8.489 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 107 Resp: 74267

Ion	Ratio	Lower	Upper
107	100		
108	93.2	70.6	110.6
77	34.5	11.3	51.3
79	28.0	7.3	47.3

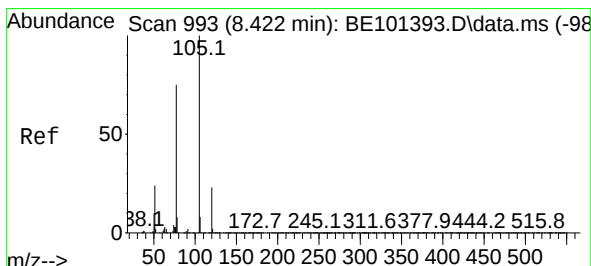
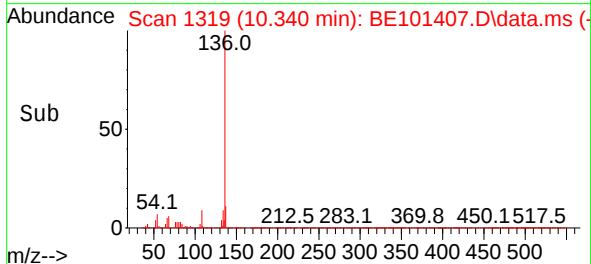
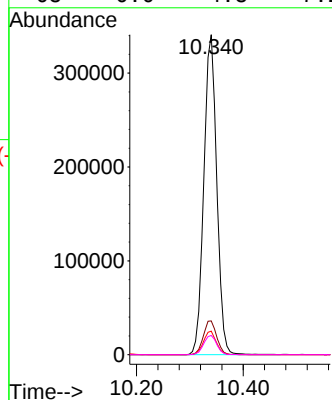
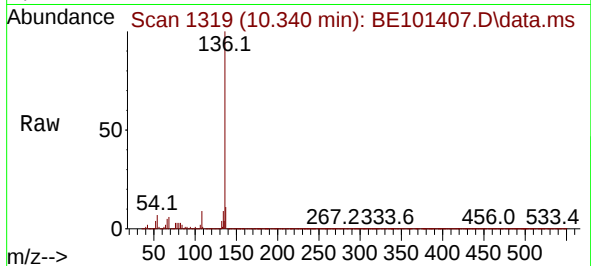




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

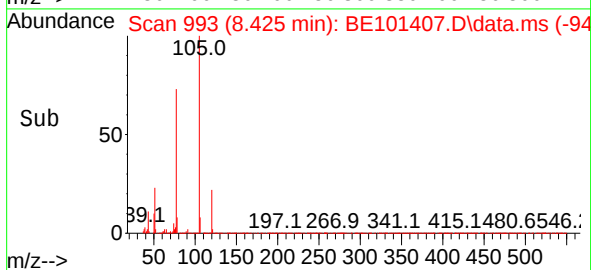
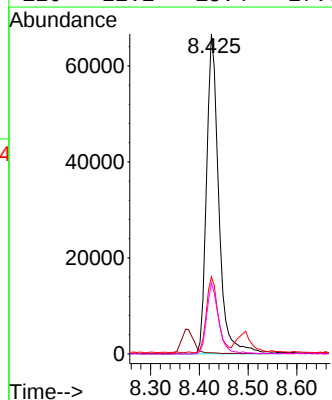
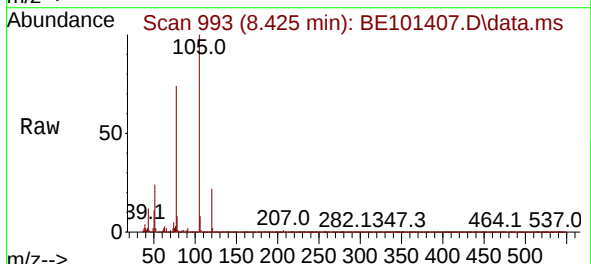
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

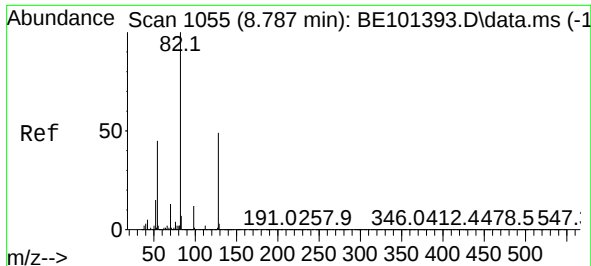
Tgt Ion:	136	Resp:	571894
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.6
54	7.3	5.9	8.9
68	6.0	4.8	7.2



#22
Acetophenone
Concen: 8.949 ng
RT: 8.425 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:	105	Resp:	116204
Ion Ratio	Lower	Upper	
105	100		
71	0.3	0.1	0.1#
51	24.1	19.4	29.0
120	22.2	18.4	27.6





#23

Nitrobenzene-d5

Concen: 73.766 ng

RT: 8.783 min Scan# 1055

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

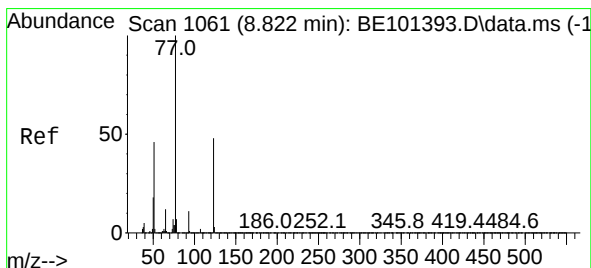
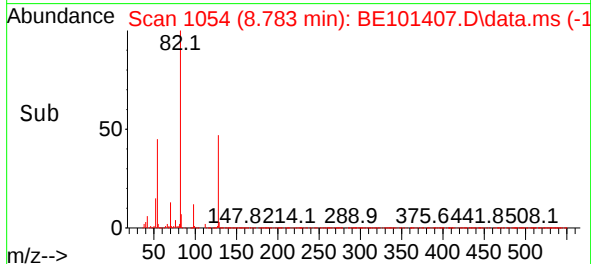
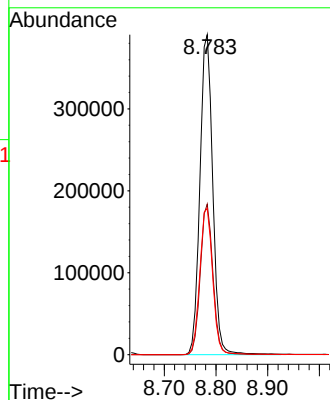
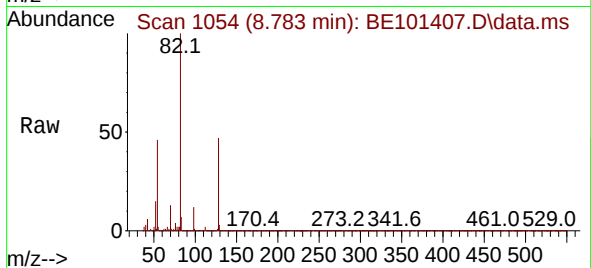
Tgt Ion: 82 Resp: 671661

Ion Ratio Lower Upper

82 100

128 47.0 38.9 58.3

54 45.8 36.2 54.4



#24

Nitrobenzene

Concen: 8.534 ng

RT: 8.824 min Scan# 1061

Delta R.T. 0.002 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

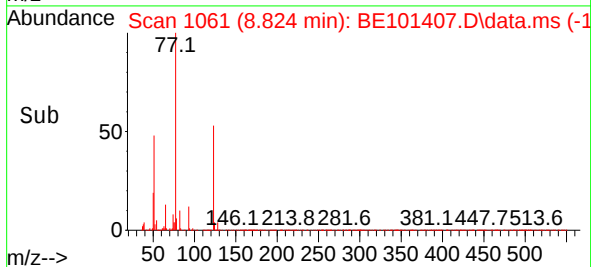
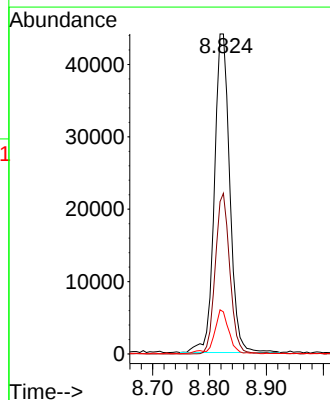
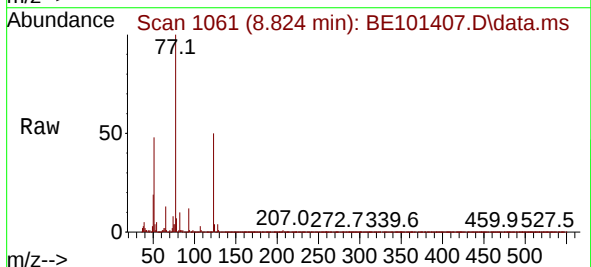
Tgt Ion: 77 Resp: 82704

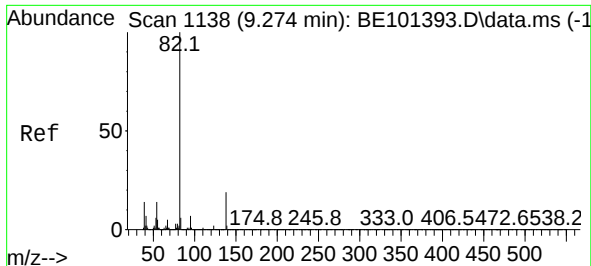
Ion Ratio Lower Upper

77 100

123 50.2 38.7 58.1

65 13.2 10.0 15.0

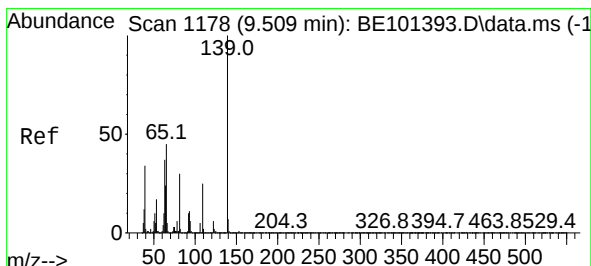
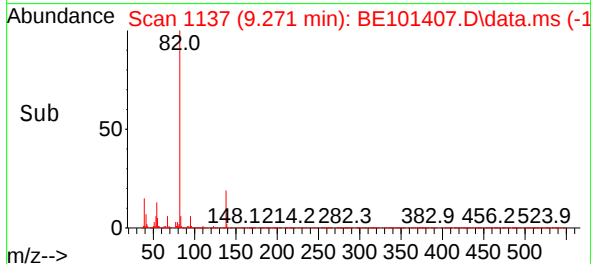
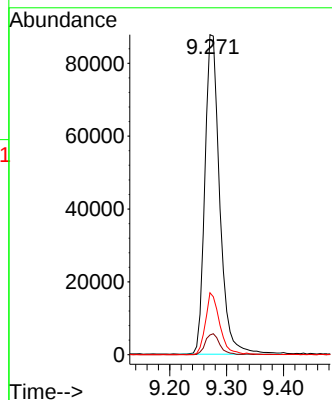
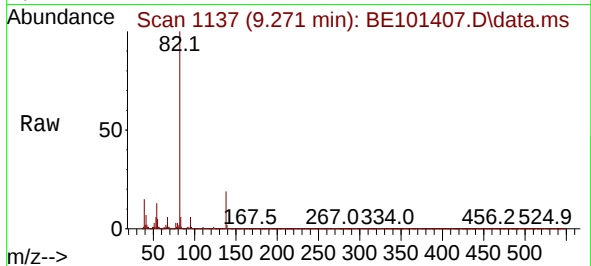




#25
Isophorone
Concen: 8.948 ng
RT: 9.271 min Scan# 1138
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

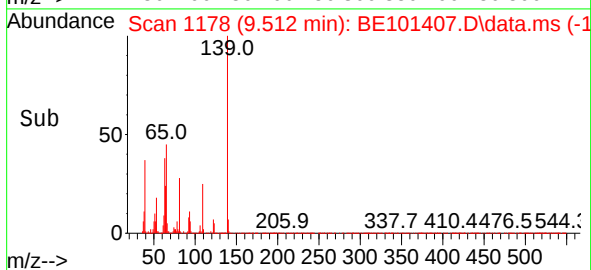
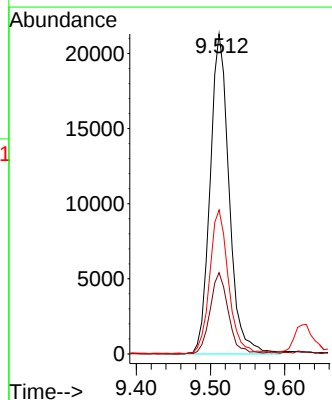
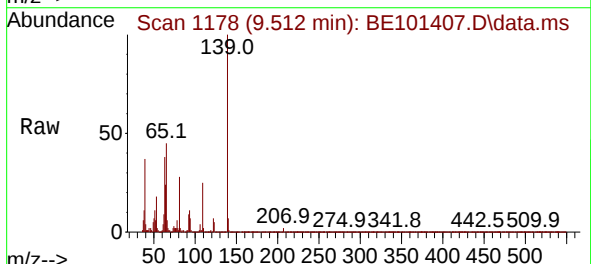
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

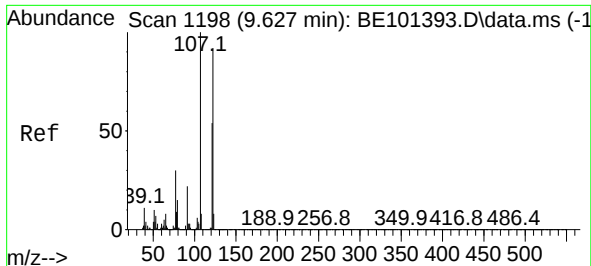
Tgt Ion: 82 Resp: 158983
Ion Ratio Lower Upper
82 100
95 6.2 5.5 8.3
138 19.4 15.0 22.4



#26
2-Nitrophenol
Concen: 8.091 ng
RT: 9.512 min Scan# 1178
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 139 Resp: 37896
Ion Ratio Lower Upper
139 100
109 25.4 20.1 30.1
65 45.0 36.0 54.0

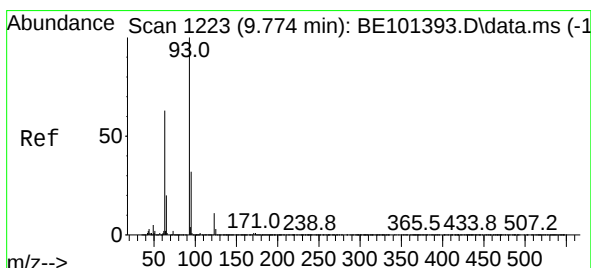
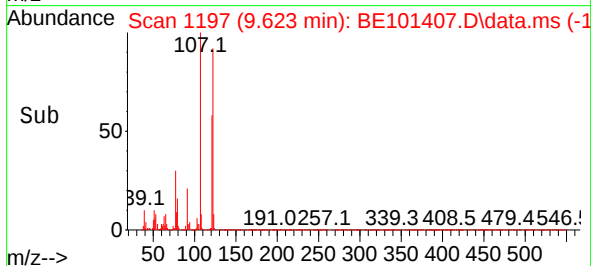
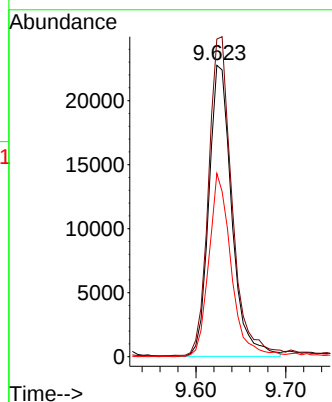
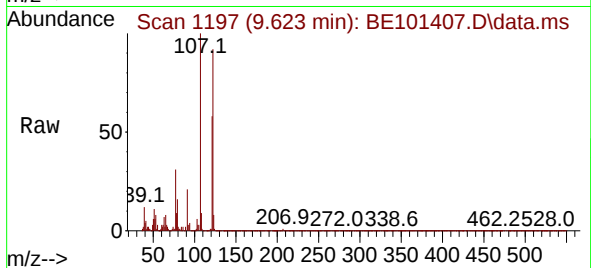




#27
2,4-Dimethylphenol
Concen: 6.835 ng
RT: 9.623 min Scan# 1198
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

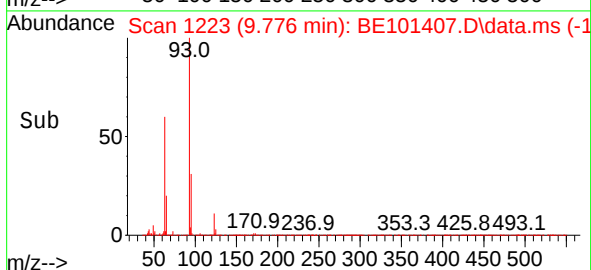
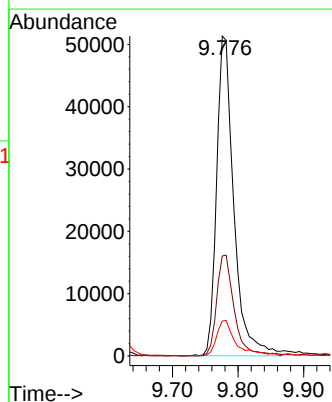
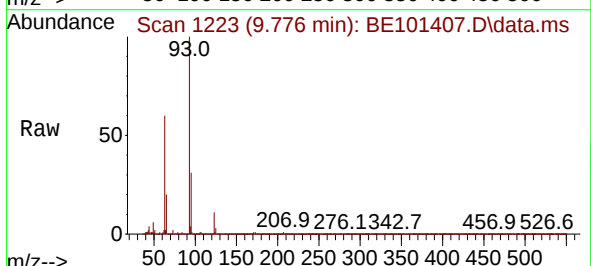
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

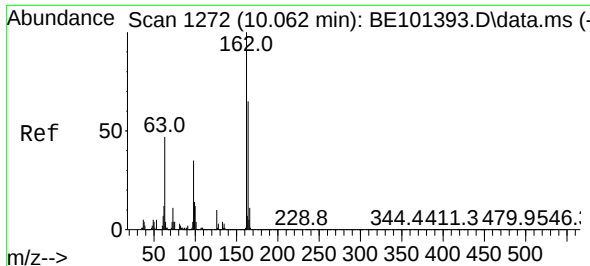
Tgt Ion:122 Resp: 40286
Ion Ratio Lower Upper
122 100
107 109.0 87.4 131.0
121 62.9 47.4 71.0



#28
bis(2-Chloroethoxy)methane
Concen: 8.631 ng
RT: 9.776 min Scan# 1223
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 93 Resp: 93006
Ion Ratio Lower Upper
93 100
95 31.3 25.8 38.6
123 10.9 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 8.156 ng

RT: 10.058 min Scan# 1271

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

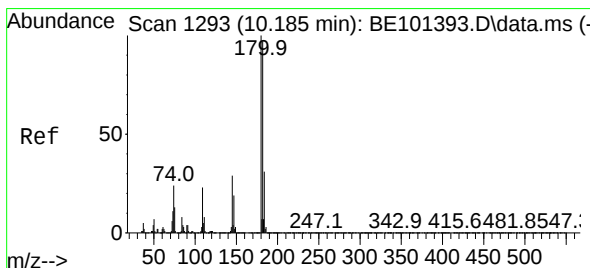
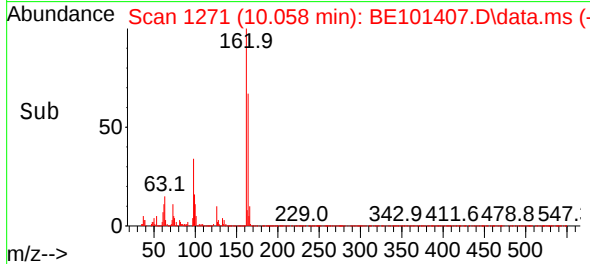
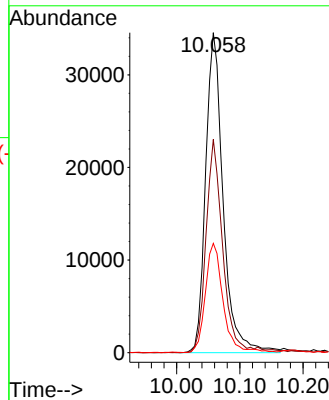
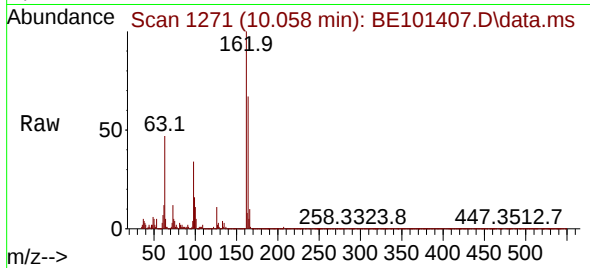
Tgt Ion:162 Resp: 66501

Ion Ratio Lower Upper

162 100

164 66.7 45.4 85.4

98 34.1 14.5 54.5



#30

1,2,4-Trichlorobenzene

Concen: 8.352 ng

RT: 10.181 min Scan# 1292

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

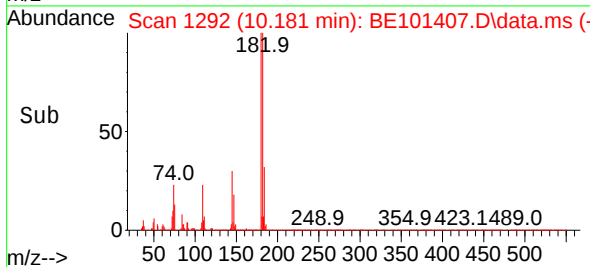
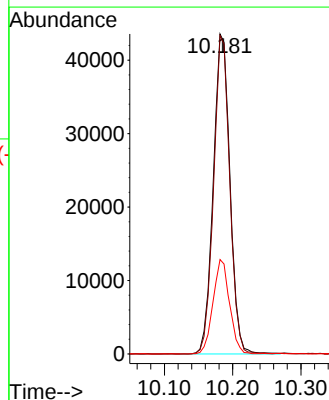
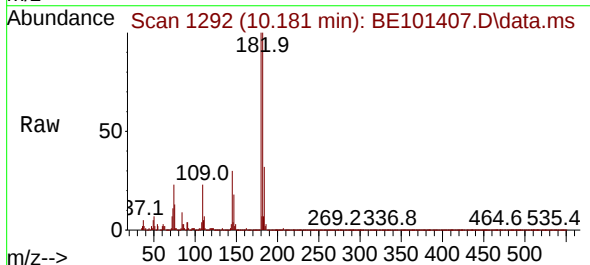
Tgt Ion:180 Resp: 74190

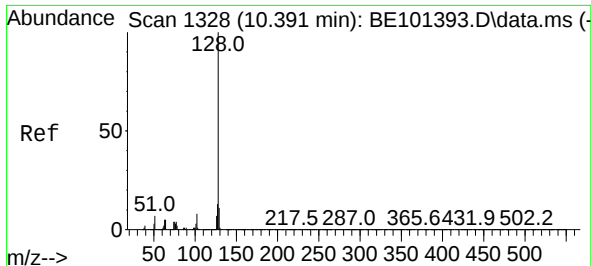
Ion Ratio Lower Upper

180 100

182 99.5 77.4 116.0

145 29.5 23.3 34.9

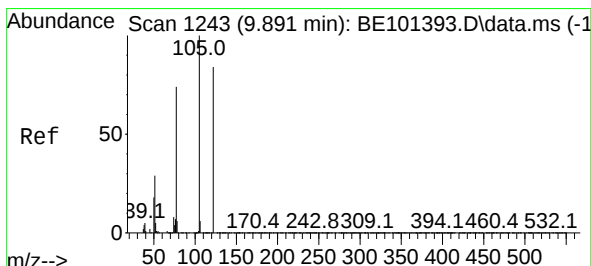
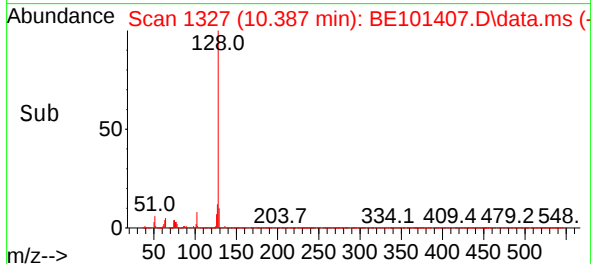
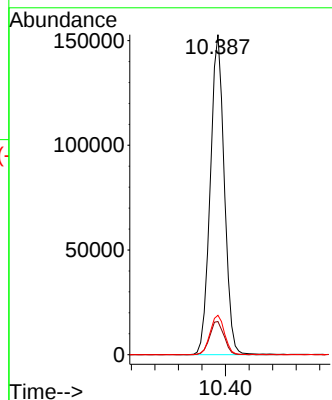
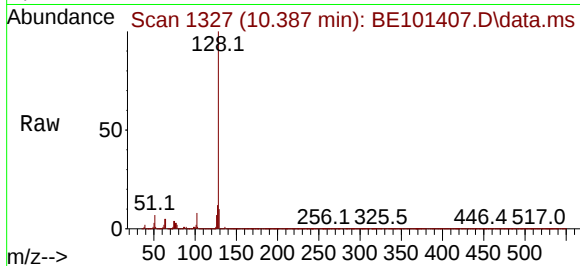




#31
Naphthalene
Concen: 8.669 ng
RT: 10.387 min Scan# 1227
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

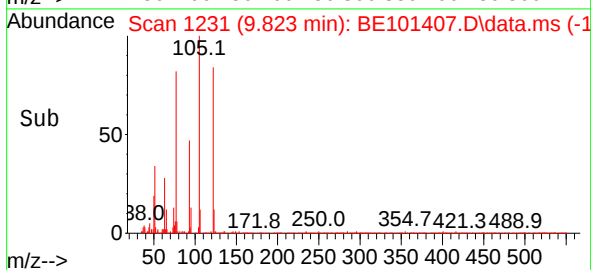
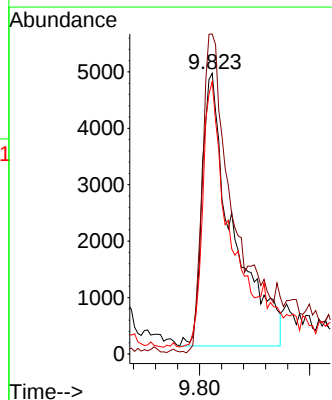
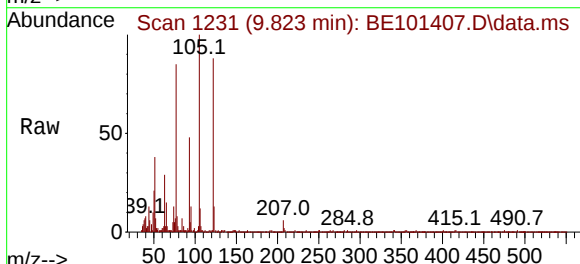
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

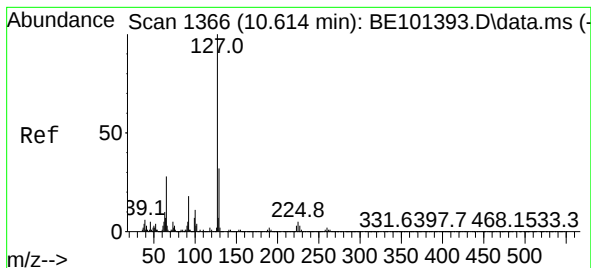
Tgt Ion:128 Resp: 252633
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.3 10.3 15.5



#32
Benzoic acid
Concen: 10.778 ng
RT: 9.823 min Scan# 1231
Delta R.T. -0.068 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:122 Resp: 18748
Ion Ratio Lower Upper
122 100
105 114.1 97.9 137.9
77 97.1 68.1 108.1





#33

4-Chloroaniline

Concen: 9.839 ng

RT: 10.616 min Scan# 1366

Delta R.T. 0.002 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 99709

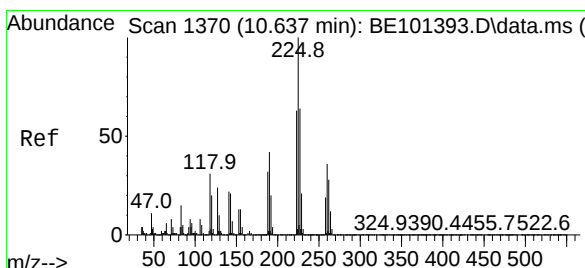
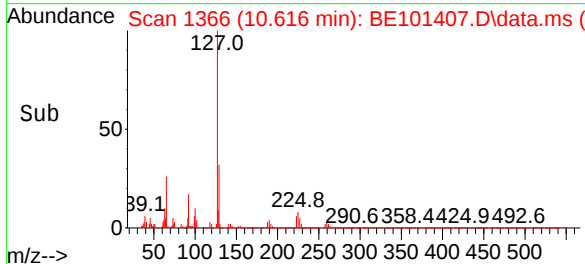
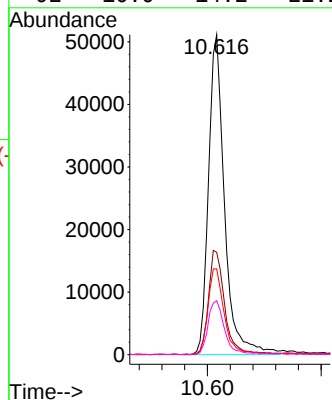
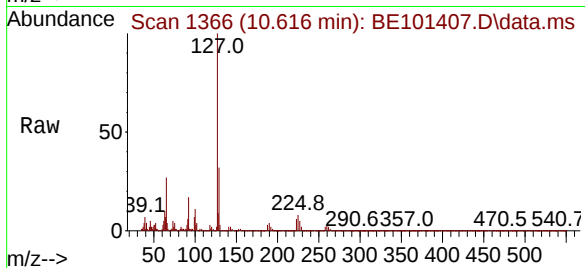
Ion Ratio Lower Upper

127 100

129 32.0 25.7 38.5

65 26.8 22.2 33.4

92 16.9 14.2 21.2



#34

Hexachlorobutadiene

Concen: 8.048 ng

RT: 10.640 min Scan# 1370

Delta R.T. 0.002 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

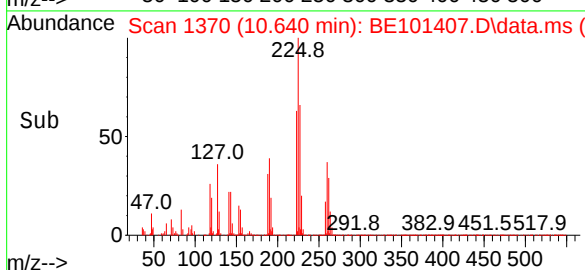
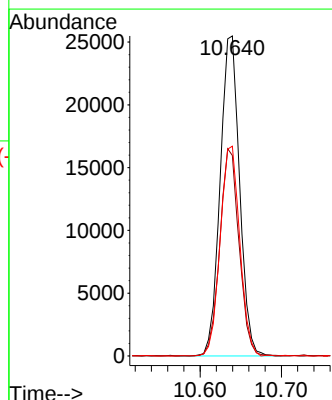
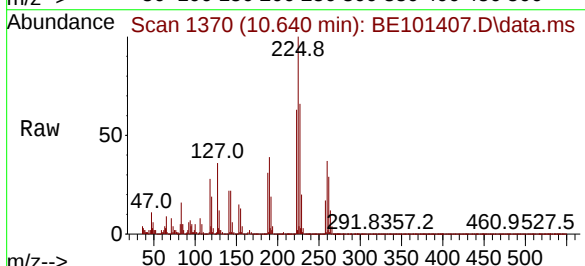
Tgt Ion:225 Resp: 42318

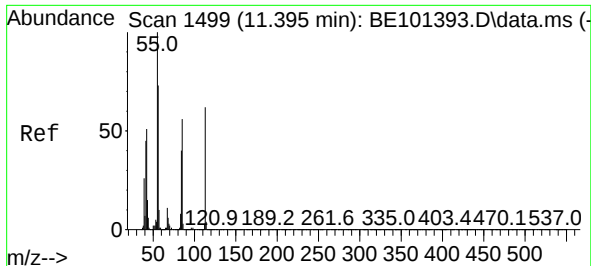
Ion Ratio Lower Upper

225 100

223 60.5 50.5 75.7

227 65.9 51.0 76.6





#35

Caprolactam

Concen: 7.168 ng

RT: 11.380 min Scan# 1499

Delta R.T. -0.015 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

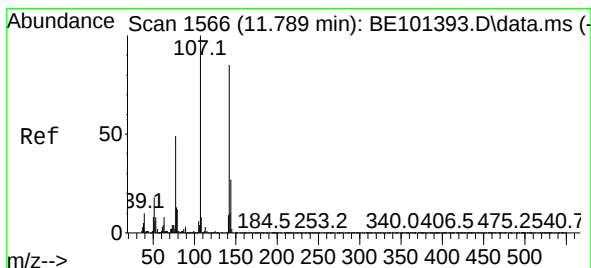
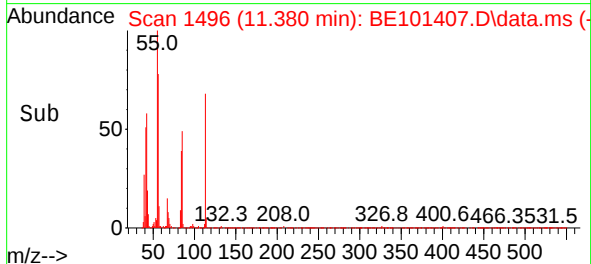
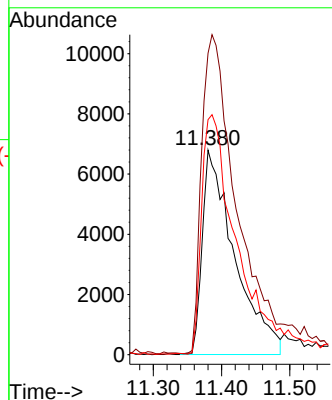
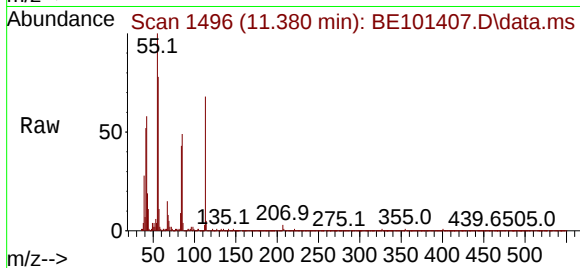
Tgt Ion:113 Resp: 22405

Ion Ratio Lower Upper

113 100

55 147.4 141.2 181.2

56 115.0 96.9 136.9



#36

4-Chloro-3-methylphenol

Concen: 8.335 ng

RT: 11.780 min Scan# 1564

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

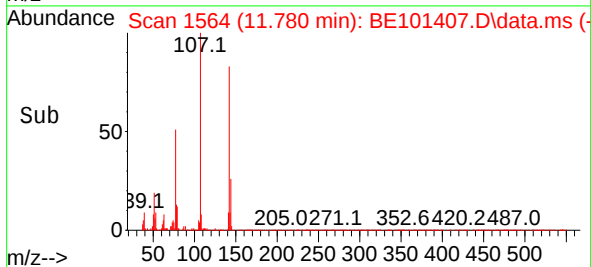
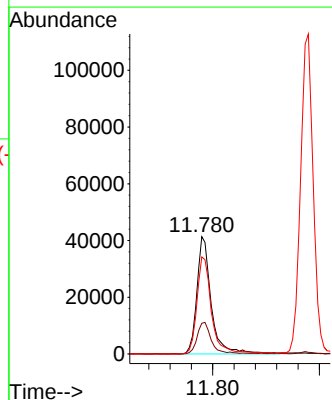
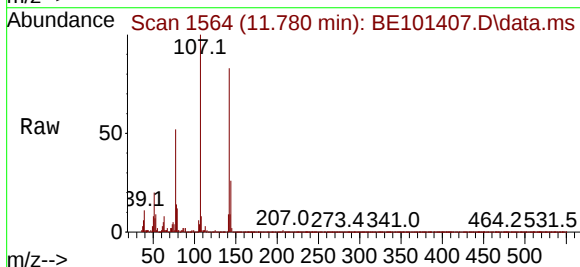
Tgt Ion:107 Resp: 77383

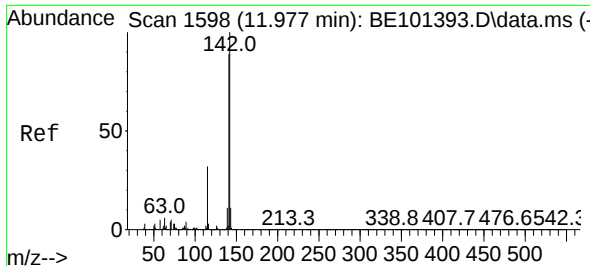
Ion Ratio Lower Upper

107 100

144 26.2 21.9 32.9

142 82.7 68.0 102.0

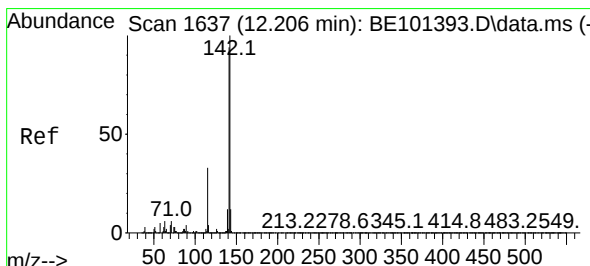
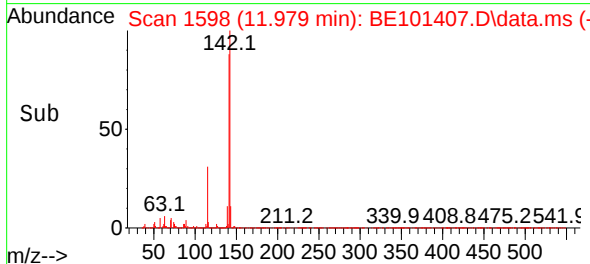
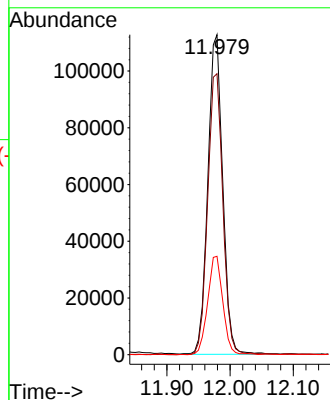
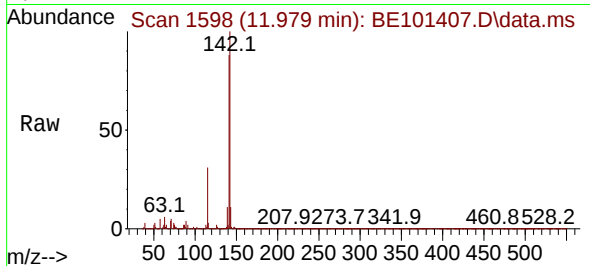




#37
2-Methylnaphthalene
Concen: 8.807 ng
RT: 11.979 min Scan# 1598
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

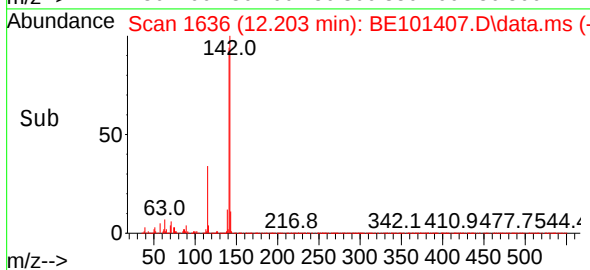
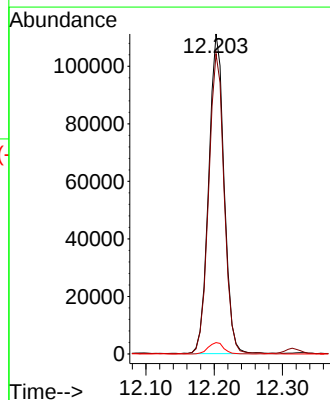
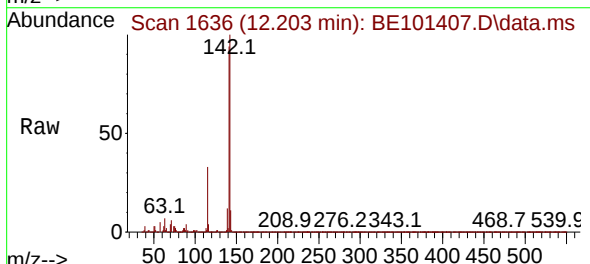
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

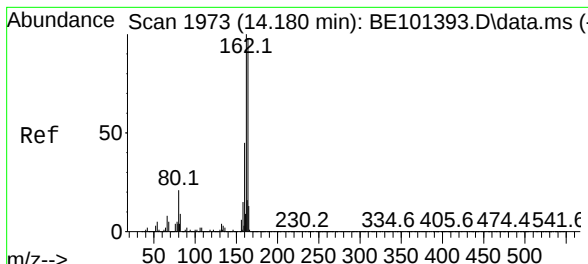
Tgt Ion:142 Resp: 184913
Ion Ratio Lower Upper
142 100
141 87.8 71.4 107.2
115 30.8 25.6 38.4



#38
1-Methylnaphthalene
Concen: 8.335 ng
RT: 12.203 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:142 Resp: 174662
Ion Ratio Lower Upper
142 100
141 93.8 75.0 112.4
116 3.6 2.9 4.3



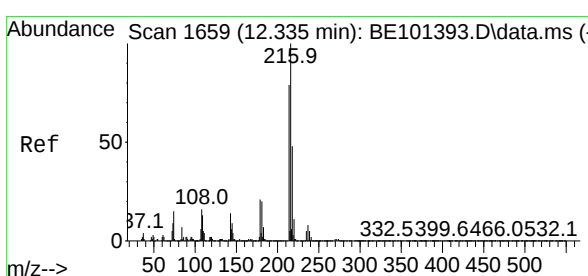
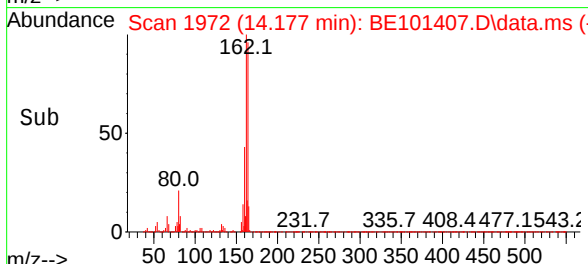
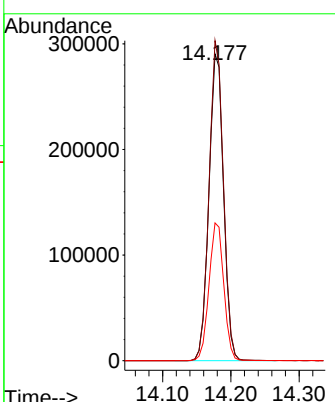
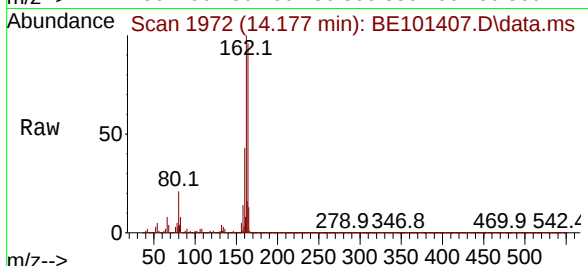


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.177 min Scan# 1972
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

Tgt Ion:164 Resp: 432347

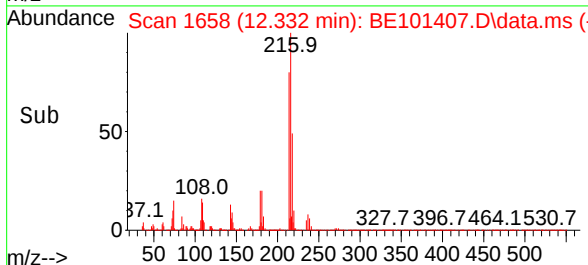
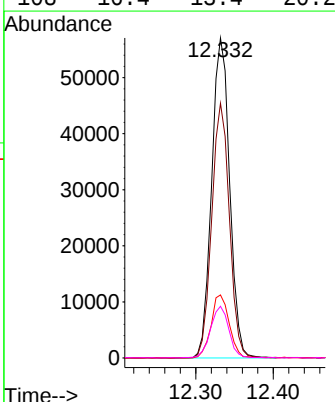
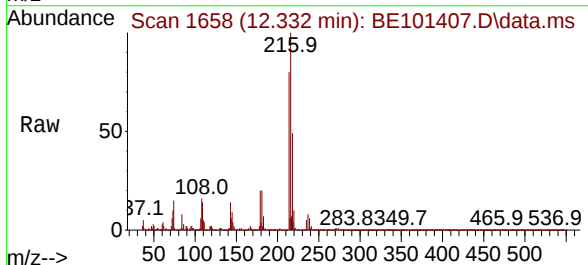
Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.3	121.9
160	44.9	36.4	54.6

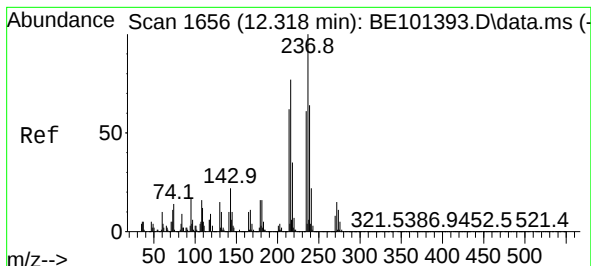


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.479 ng
 RT: 12.332 min Scan# 1658
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion:216 Resp: 92030

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	20.0	16.7	25.1
108	16.4	13.4	20.2





#41

Hexachlorocyclopentadiene

Concen: 7.136 ng

RT: 12.314 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

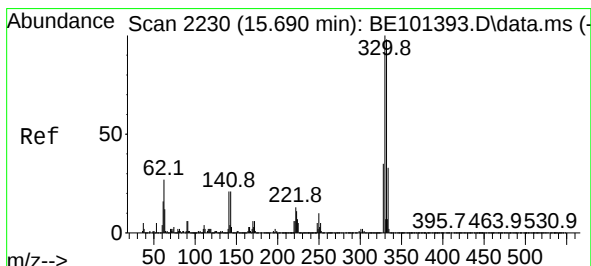
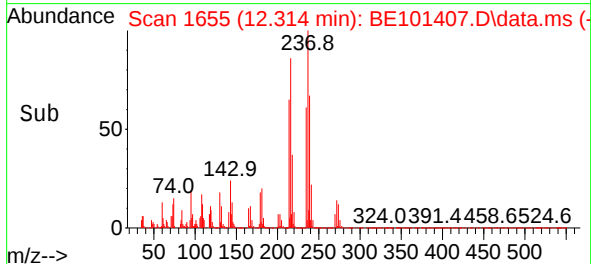
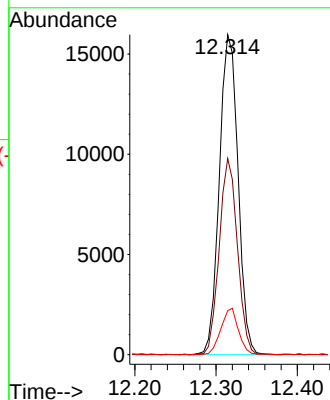
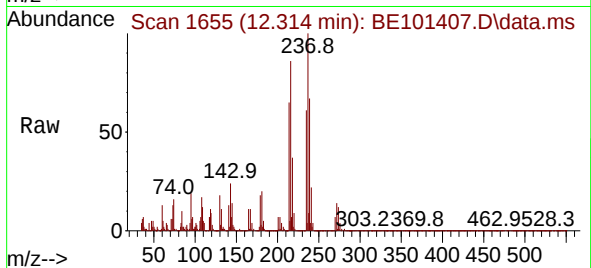
Tgt Ion:237 Resp: 25577

Ion Ratio Lower Upper

237 100

235 61.3 41.3 81.3

272 13.7 0.0 34.6



#42

2,4,6-Tribromophenol

Concen: 106.748 ng

RT: 15.687 min Scan# 2229

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

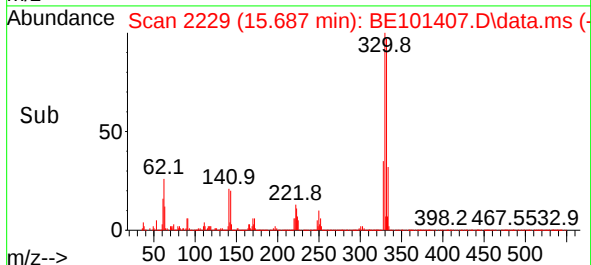
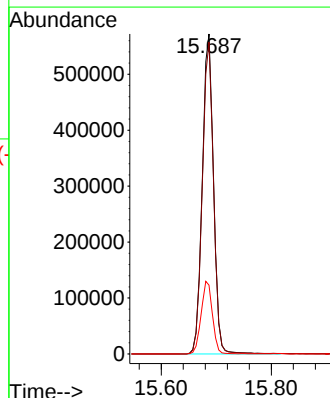
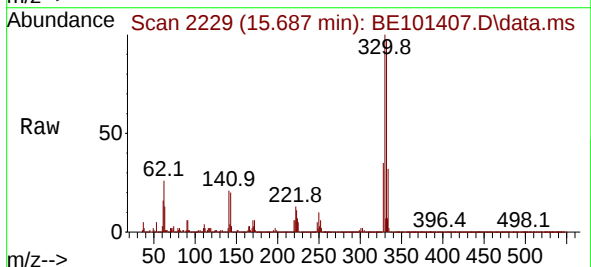
Tgt Ion:330 Resp: 808898

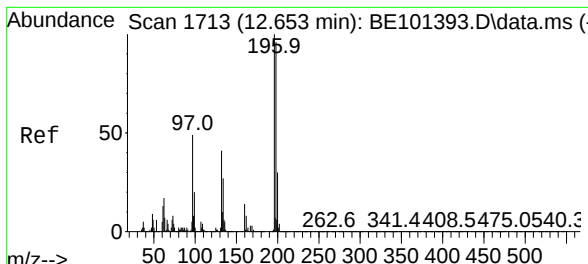
Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.2

141 22.8 18.3 27.5

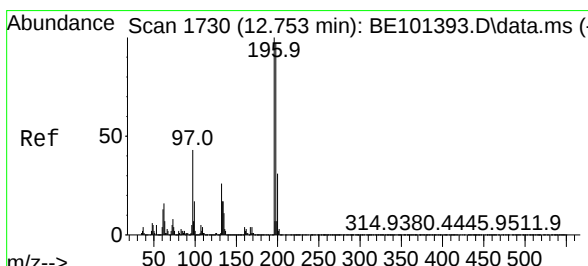
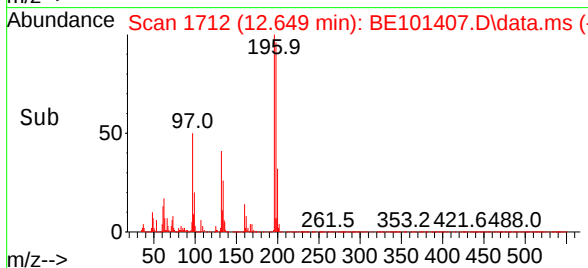
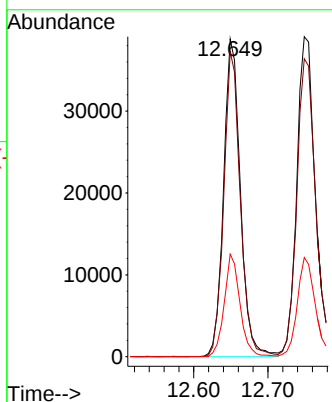
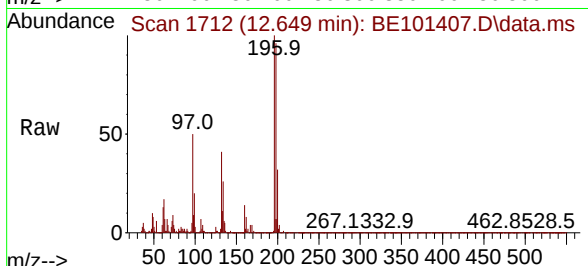




#43
2,4,6-Trichlorophenol
Concen: 8.182 ng
RT: 12.649 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

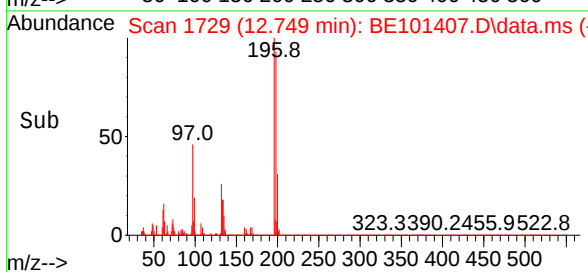
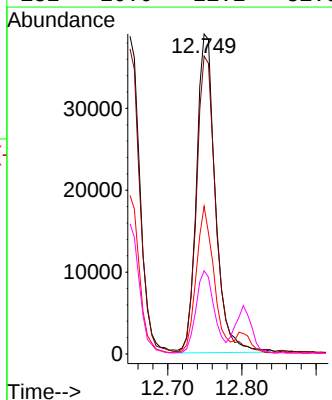
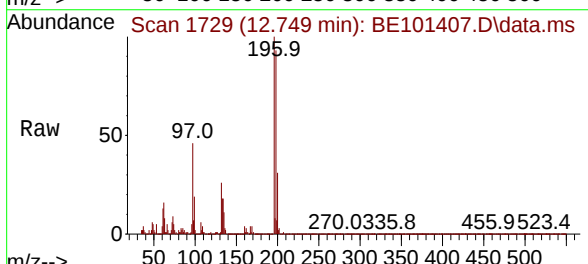
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

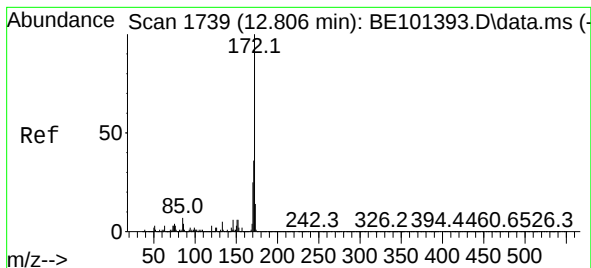
Tgt Ion:196	Resp:	61223
Ion Ratio	Lower	Upper
196	100	
198	96.1	76.6 115.0
200	32.3	24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 8.047 ng
RT: 12.749 min Scan# 1729
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:196	Resp:	68949
Ion Ratio	Lower	Upper
196	100	
198	93.1	77.4 116.0
97	46.2	34.8 52.2
132	26.0	21.2 31.8





#45

2-Fluorobiphenyl

Concen: 73.859 ng

RT: 12.802 min Scan# 1738

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

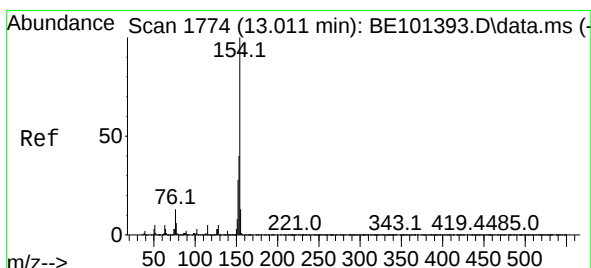
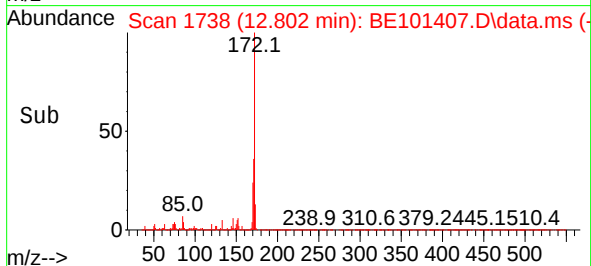
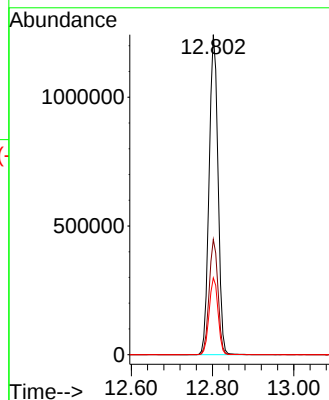
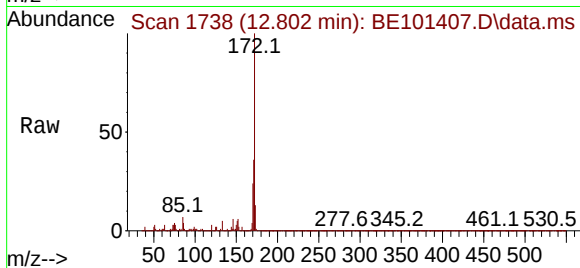
Tgt Ion:172 Resp: 1885557

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 24.0 19.8 29.6



#46

1,1'-Biphenyl

Concen: 9.013 ng

RT: 13.008 min Scan# 1773

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

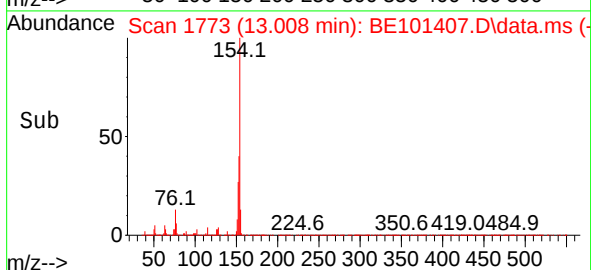
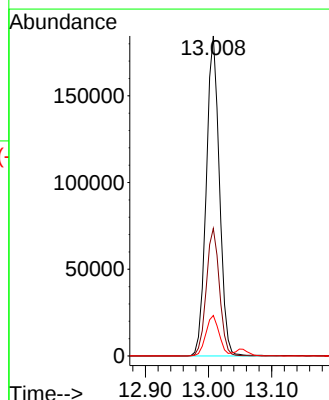
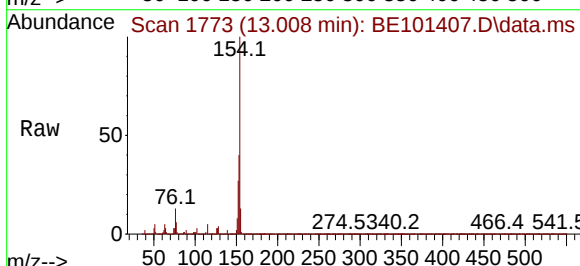
Tgt Ion:154 Resp: 266977

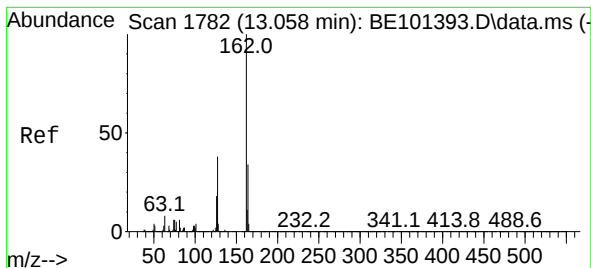
Ion Ratio Lower Upper

154 100

153 39.9 20.3 60.3

76 12.7 0.0 32.6





#47

2-Chloronaphthalene

Concen: 8.351 ng

RT: 13.049 min Scan# 1

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

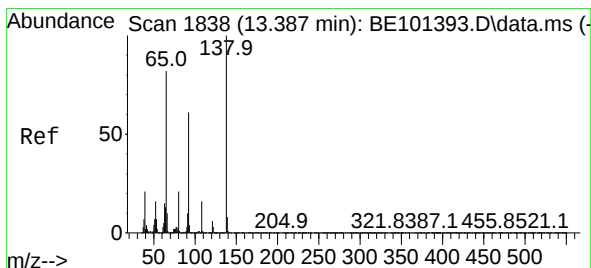
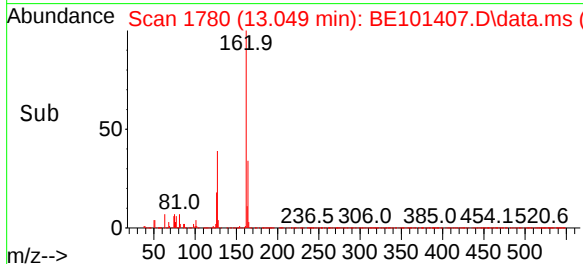
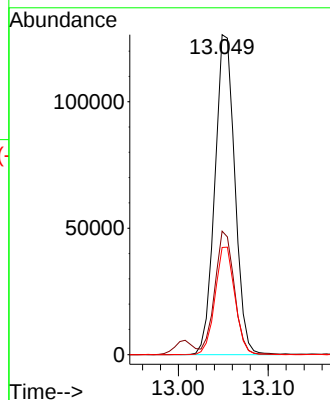
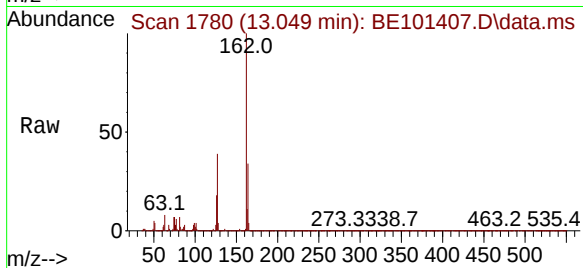
Tgt Ion:162 Resp: 195424

Ion Ratio Lower Upper

162 100

127 38.6 30.4 45.6

164 33.5 27.0 40.6



#48

2-Nitroaniline

Concen: 7.638 ng

RT: 13.384 min Scan# 1837

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

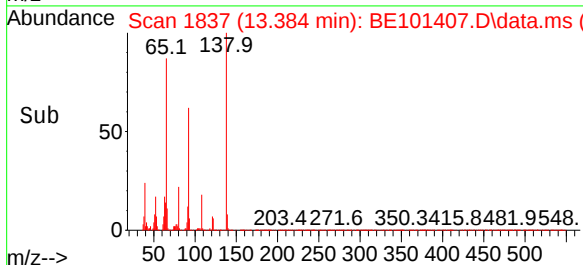
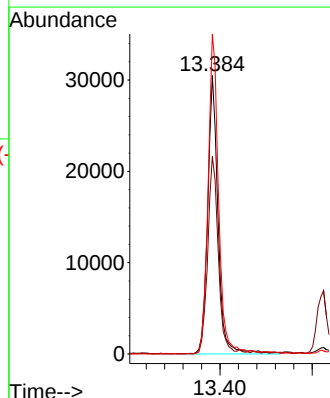
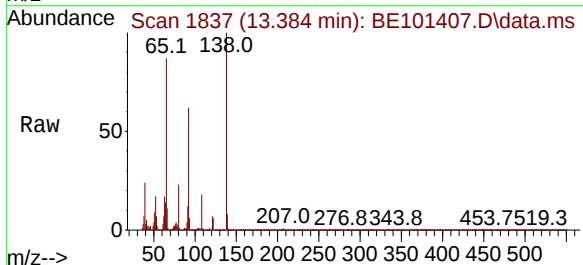
Tgt Ion: 65 Resp: 48102

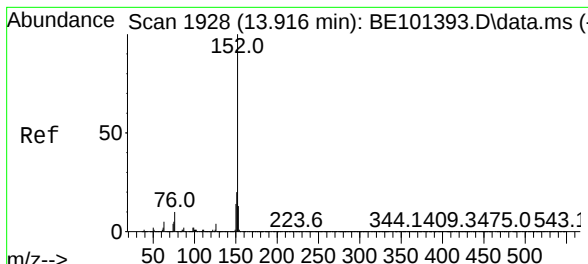
Ion Ratio Lower Upper

65 100

92 71.0 59.0 88.4

138 115.0 97.4 146.0



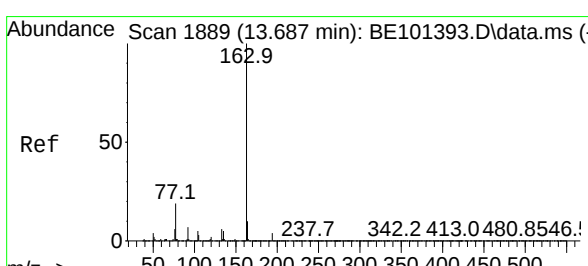
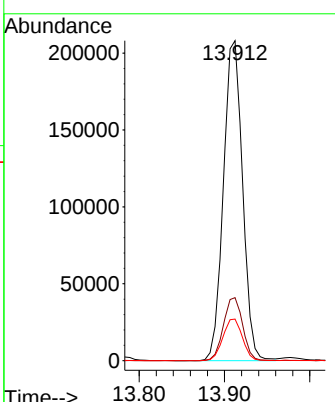
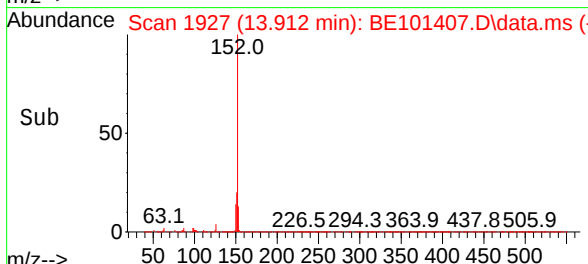
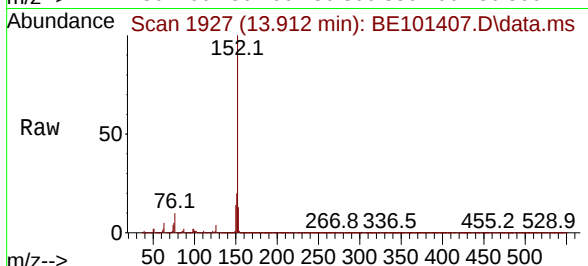


#49
 Acenaphthylene
 Concen: 9.368 ng
 RT: 13.912 min Scan# 1927
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

Tgt Ion:152 Resp: 324223

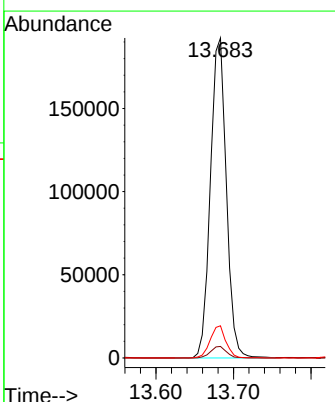
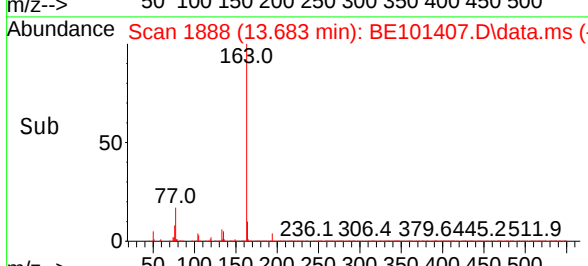
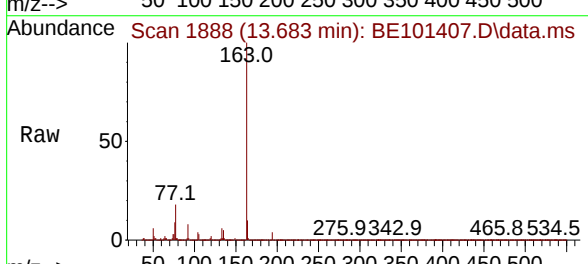
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.0	10.5	15.7

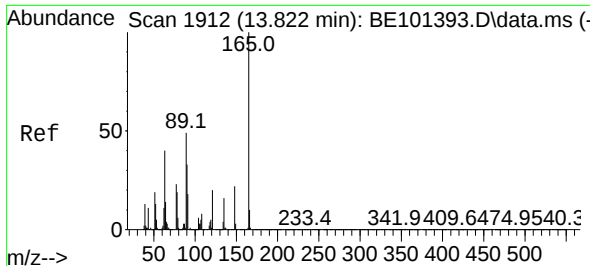


#50
 Dimethylphthalate
 Concen: 8.989 ng
 RT: 13.683 min Scan# 1888
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion:163 Resp: 274325

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	10.0	8.4	12.6

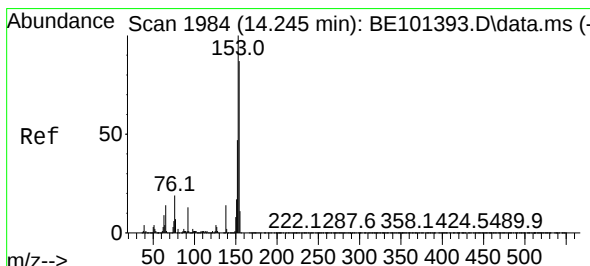
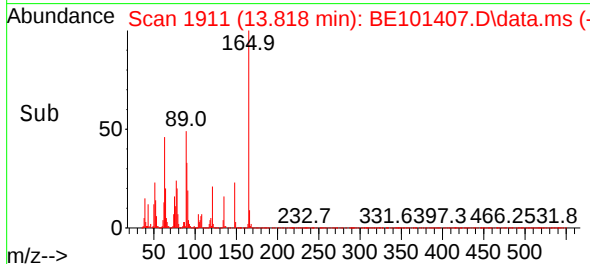
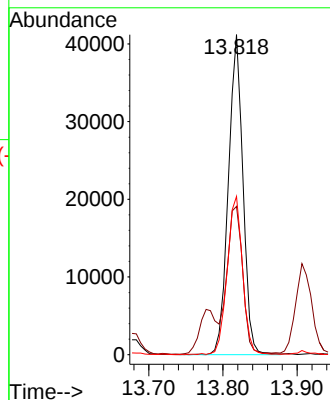
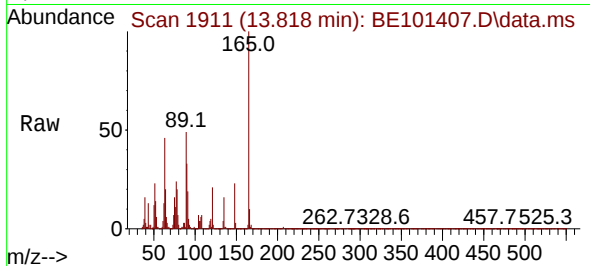




#51
2,6-Dinitrotoluene
Concen: 7.963 ng
RT: 13.818 min Scan# 1911
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

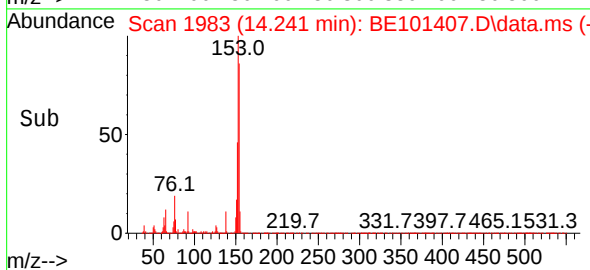
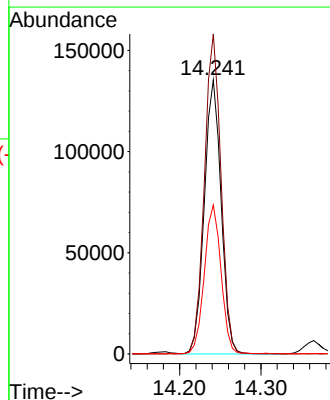
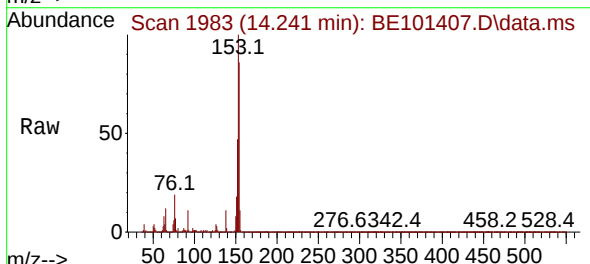
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

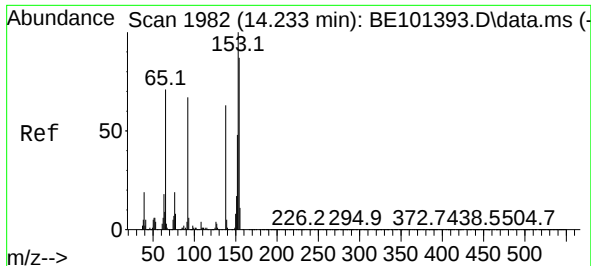
Tgt Ion:165 Resp: 56109
Ion Ratio Lower Upper
165 100
63 46.4 38.0 57.0
89 49.4 39.5 59.3



#52
Acenaphthene
Concen: 8.604 ng
RT: 14.241 min Scan# 1983
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:154 Resp: 194427
Ion Ratio Lower Upper
154 100
153 116.7 91.8 137.6
152 54.4 43.1 64.7

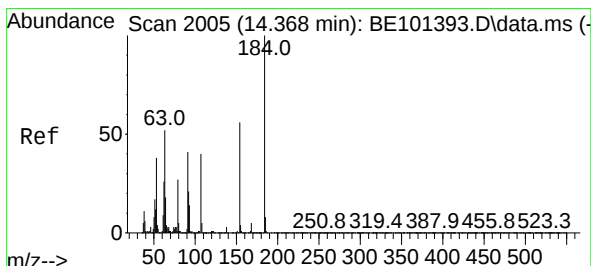
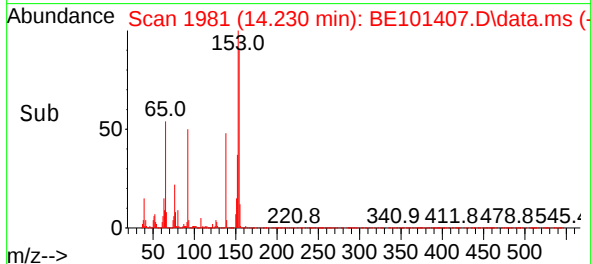
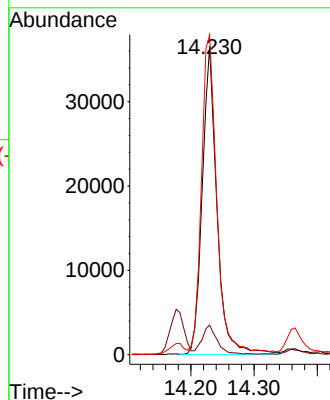
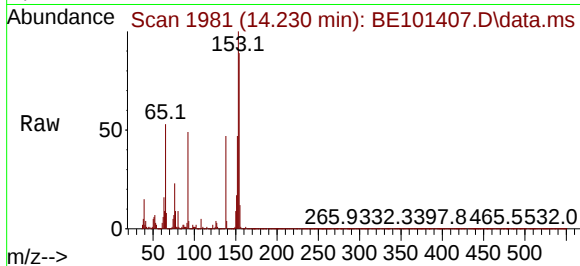




#53
3-Nitroaniline
Concen: 8.401 ng
RT: 14.230 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

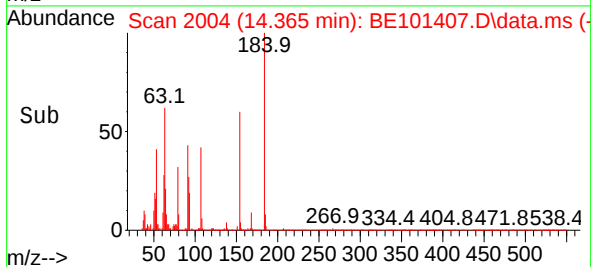
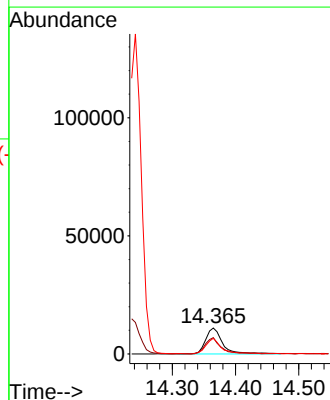
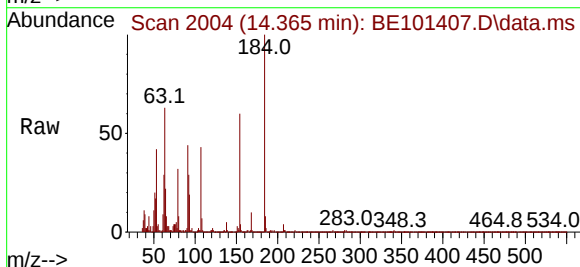
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

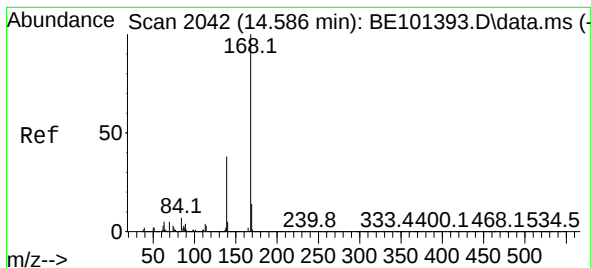
Tgt Ion:138 Resp: 58857
Ion Ratio Lower Upper
138 100
108 9.6 7.1 10.7
92 103.9 84.4 126.6



#54
2,4-Dinitrophenol
Concen: 9.387 ng
RT: 14.365 min Scan# 2004
Delta R.T. -0.003 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:184 Resp: 20299
Ion Ratio Lower Upper
184 100
63 63.2 41.8 62.6#
154 60.3 44.9 67.3





#55

Dibenzenofuran

Concen: 9.049 ng

RT: 14.582 min Scan# 2042

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

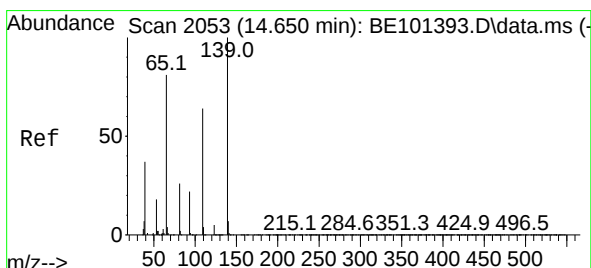
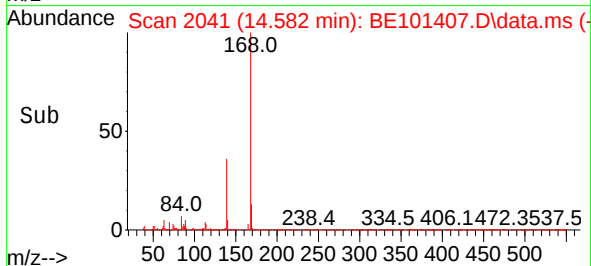
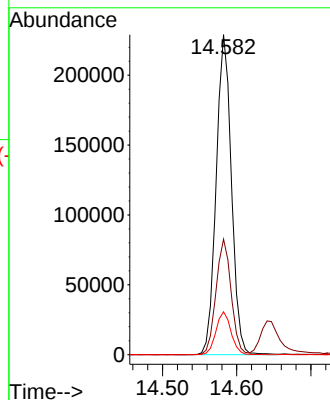
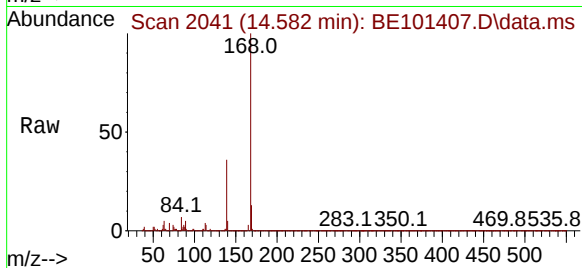
Tgt Ion:168 Resp: 325936

Ion Ratio Lower Upper

168 100

139 36.1 30.2 45.4

169 13.4 11.0 16.4



#56

4-Nitrophenol

Concen: 7.360 ng

RT: 14.641 min Scan# 2051

Delta R.T. -0.009 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

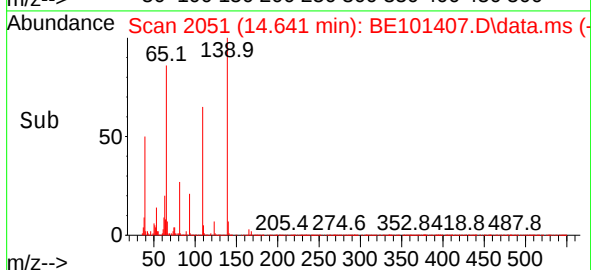
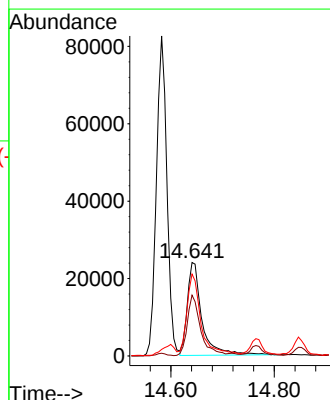
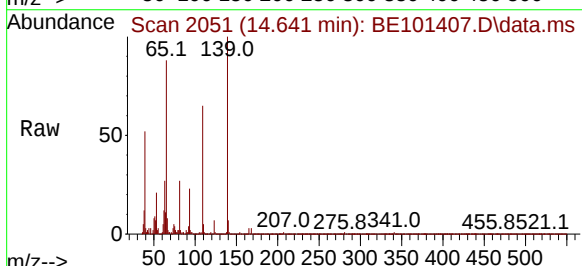
Tgt Ion:139 Resp: 47224

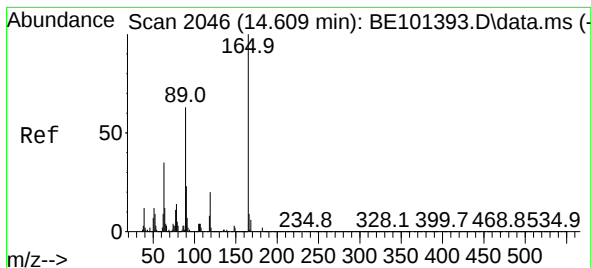
Ion Ratio Lower Upper

139 100

109 65.0 42.4 82.4

65 87.6 63.4 103.4





#57

2,4-Dinitrotoluene

Concen: 7.663 ng

RT: 14.600 min Scan# 2046

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 74337

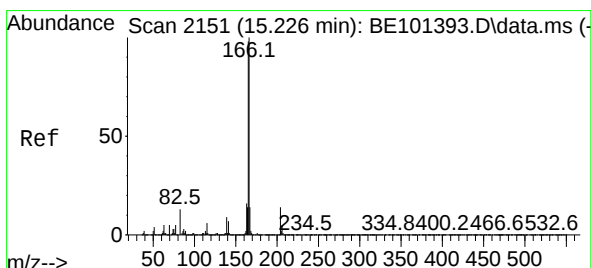
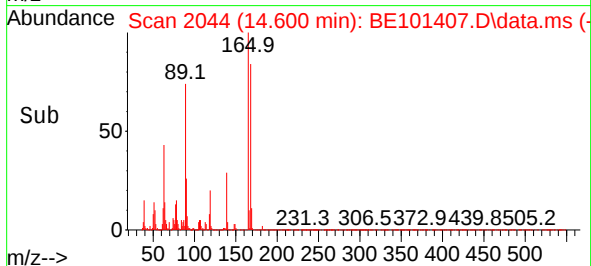
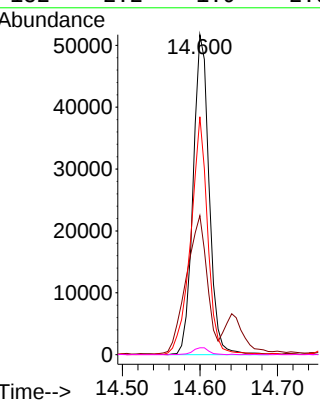
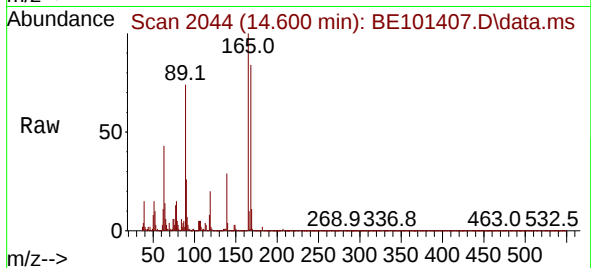
Ion Ratio Lower Upper

165 100

63 43.4 28.6 42.8#

89 74.4 50.8 76.2

182 2.2 1.9 2.9



#58

Fluorene

Concen: 8.939 ng

RT: 15.223 min Scan# 2150

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

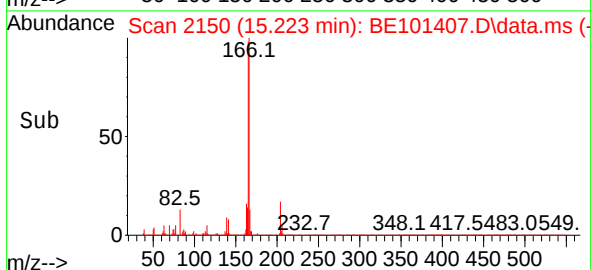
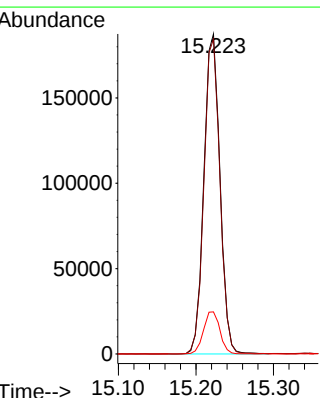
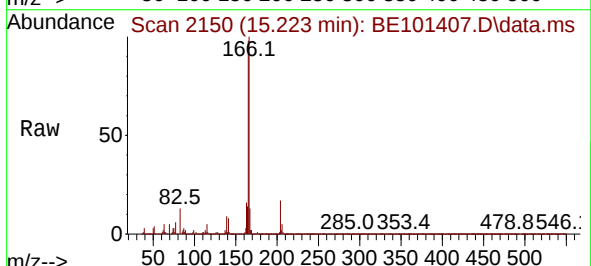
Tgt Ion:166 Resp: 269351

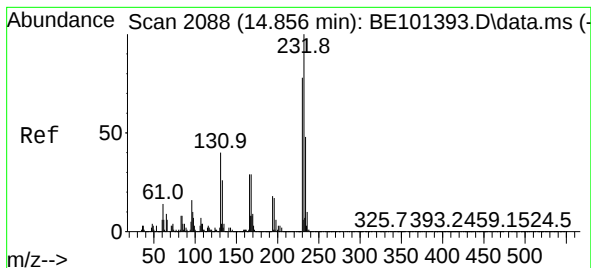
Ion Ratio Lower Upper

166 100

165 98.4 78.7 118.1

167 13.1 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.461 ng

RT: 14.847 min Scan# 2088

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:232 Resp: 66979

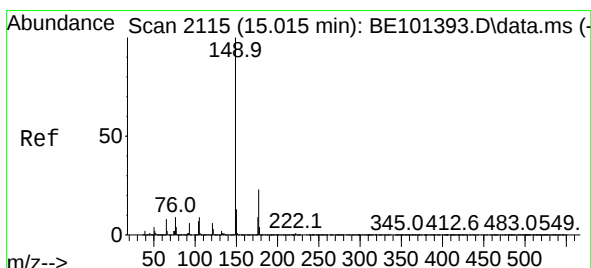
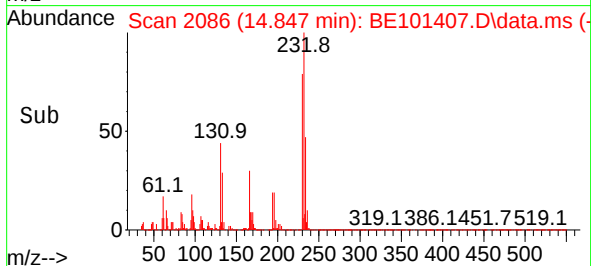
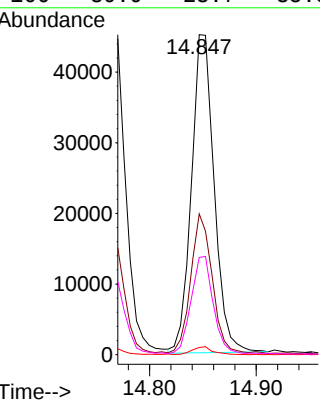
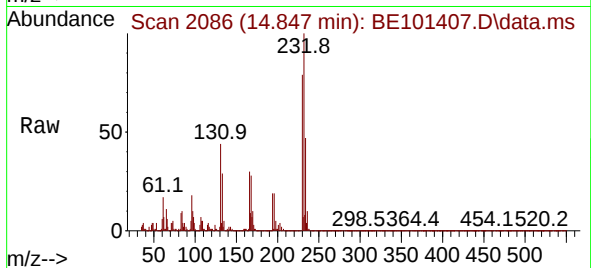
Ion Ratio Lower Upper

232 100

131 41.6 33.5 50.3

130 2.3 1.6 2.4

166 30.9 23.7 35.5



#60

Diethylphthalate

Concen: 8.797 ng

RT: 15.005 min Scan# 2113

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

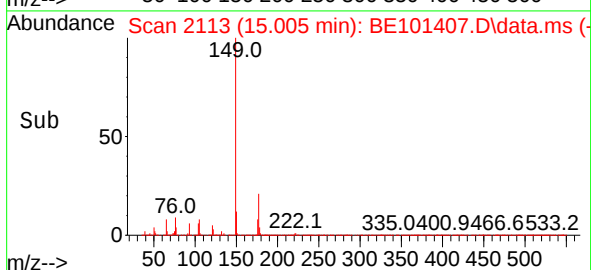
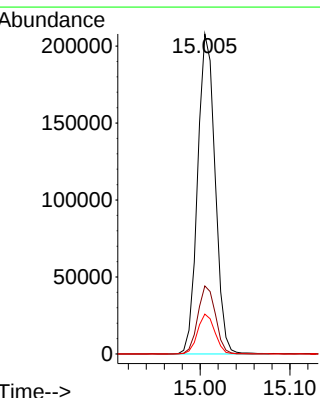
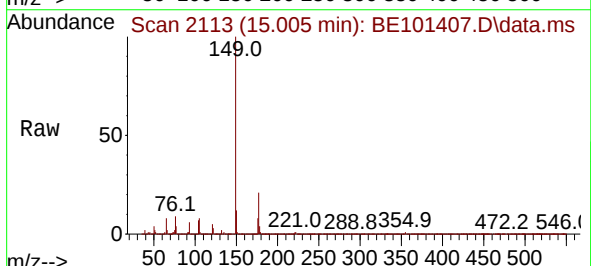
Tgt Ion:149 Resp: 280802

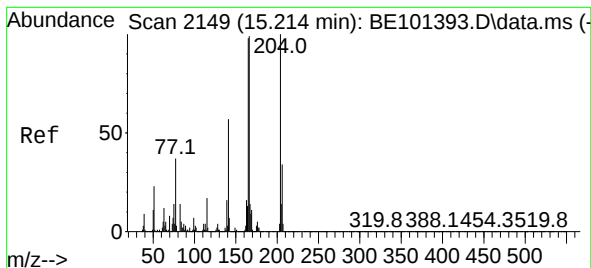
Ion Ratio Lower Upper

149 100

177 21.3 18.0 27.0

150 12.5 10.3 15.5

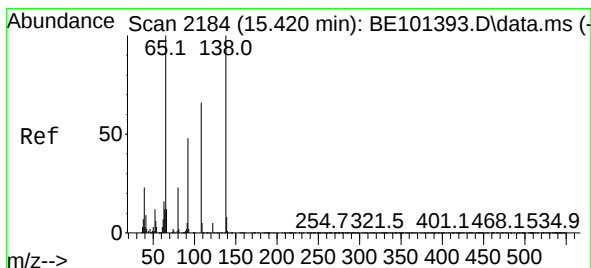
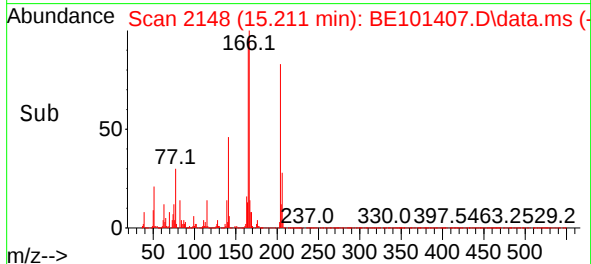
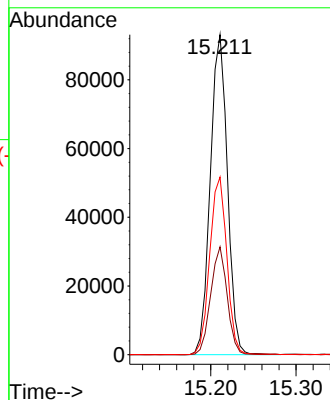
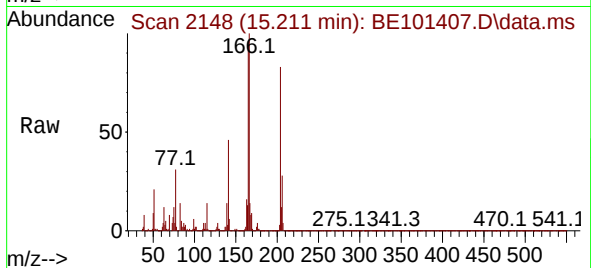




#61
4-Chlorophenyl-phenylether
Concen: 8.692 ng
RT: 15.211 min Scan# 2149
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

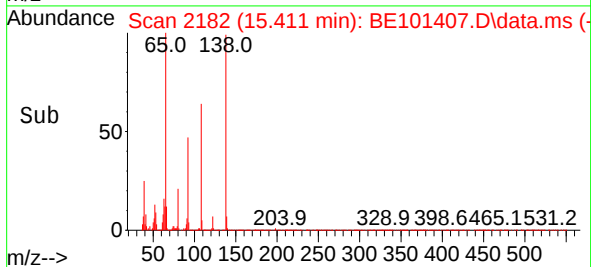
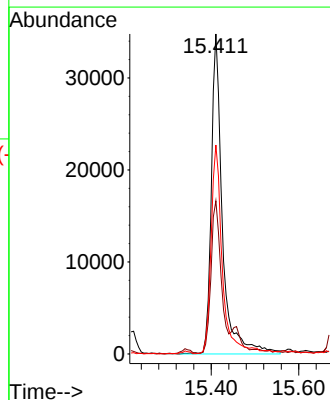
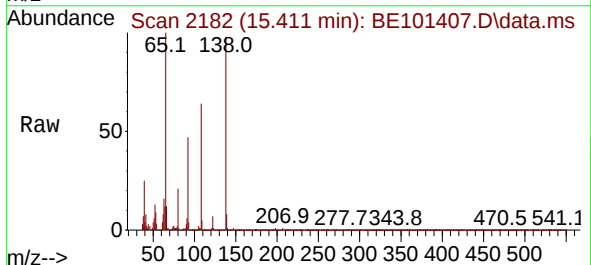
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

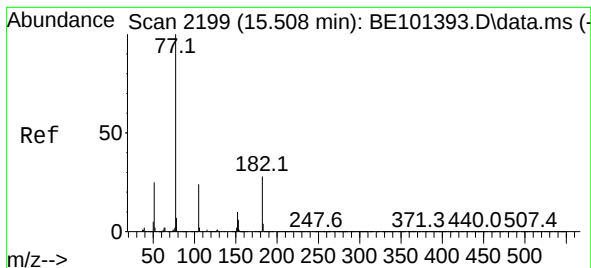
Tgt Ion:204 Resp: 129959
Ion Ratio Lower Upper
204 100
206 33.7 26.9 40.3
141 55.5 45.9 68.9



#62
4-Nitroaniline
Concen: 7.908 ng
RT: 15.411 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:138 Resp: 61650
Ion Ratio Lower Upper
138 100
92 47.9 28.7 68.7
108 65.3 46.5 86.5





#63

Azobenzene

Concen: 9.030 ng

RT: 15.505 min Scan# 2199

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 247780

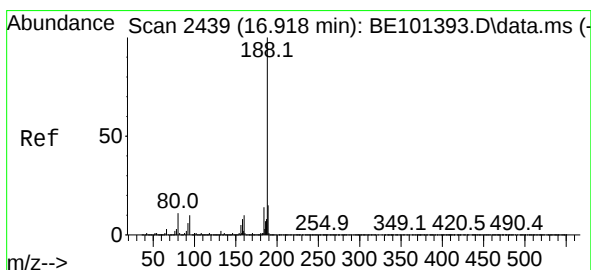
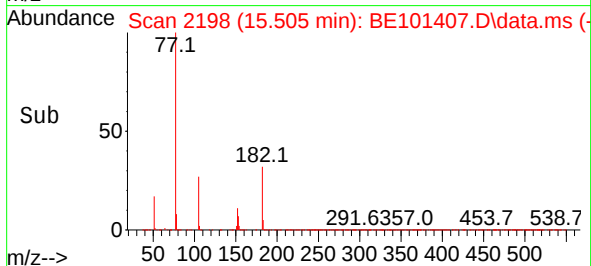
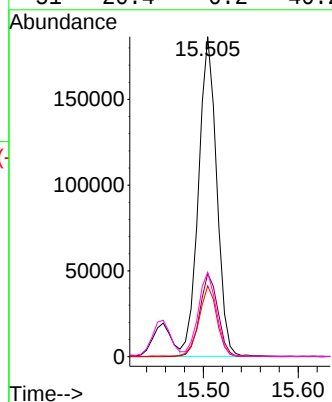
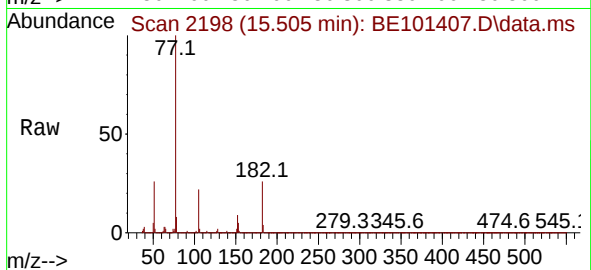
Ion Ratio Lower Upper

77 100

182 26.0 7.6 47.6

105 22.2 3.2 43.2

51 26.4 6.2 46.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.915 min Scan# 2438

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

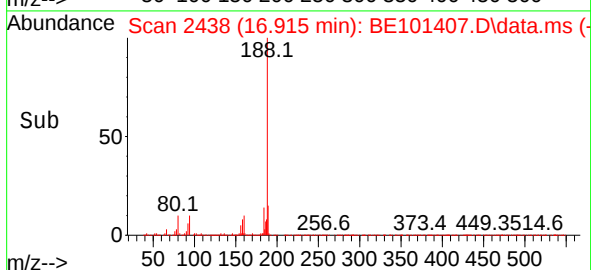
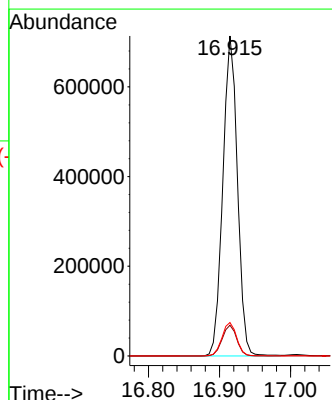
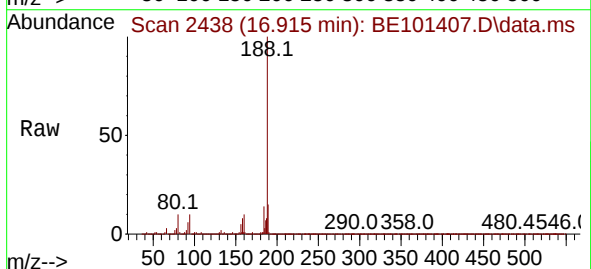
Tgt Ion:188 Resp: 1011839

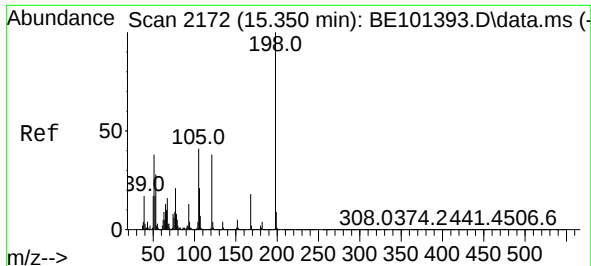
Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.8

80 10.4 8.6 12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 5.901 ng

RT: 15.340 min Scan# 2172

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

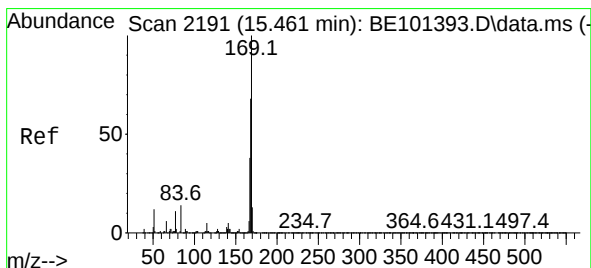
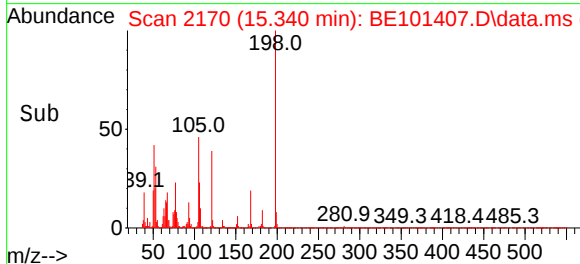
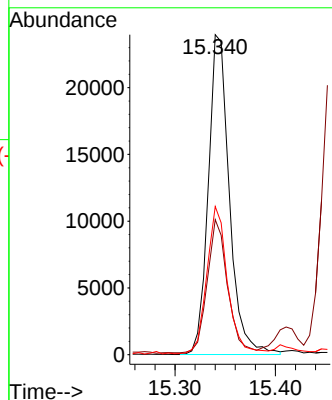
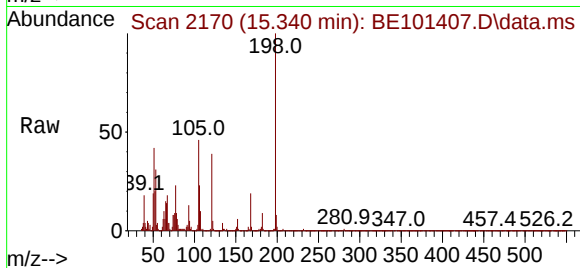
Tgt Ion:198 Resp: 35088

Ion Ratio Lower Upper

198 100

51 42.2 18.2 58.2

105 46.3 21.5 61.5



#66

n-Nitrosodiphenylamine

Concen: 8.945 ng

RT: 15.458 min Scan# 2190

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

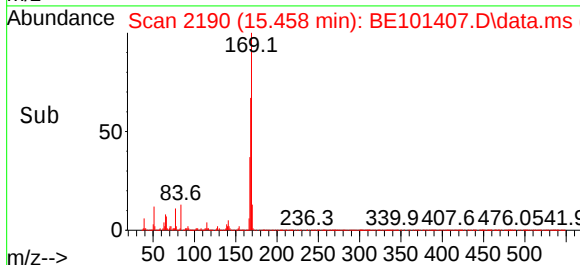
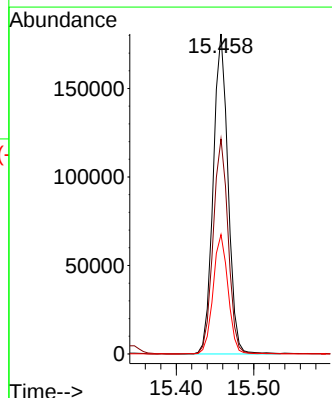
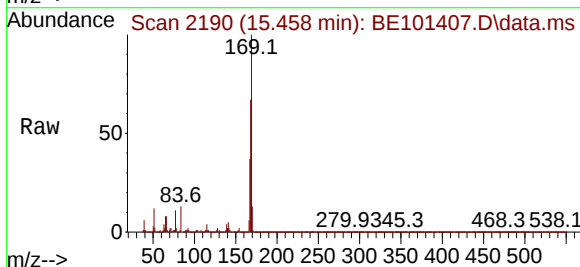
Tgt Ion:169 Resp: 240022

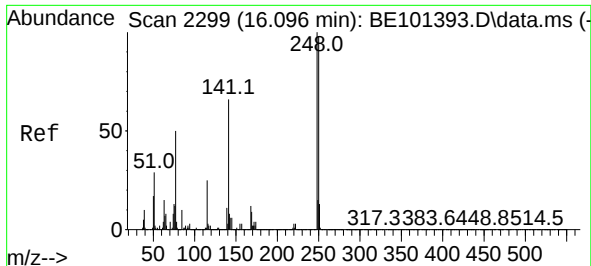
Ion Ratio Lower Upper

169 100

168 67.2 54.5 81.7

167 37.3 30.4 45.6





#67

4-Bromophenyl-phenylether

Concen: 8.388 ng

RT: 16.092 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

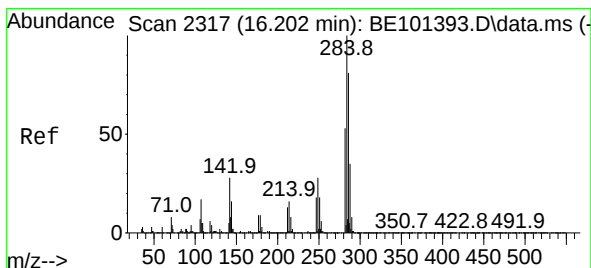
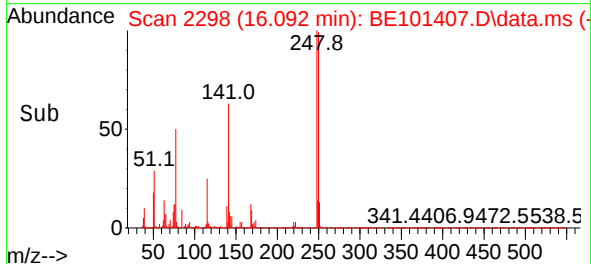
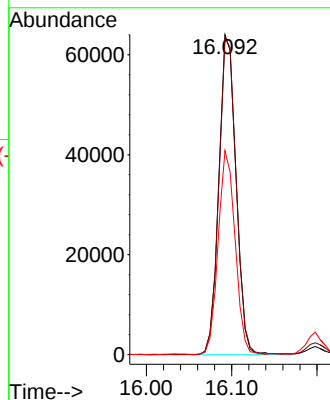
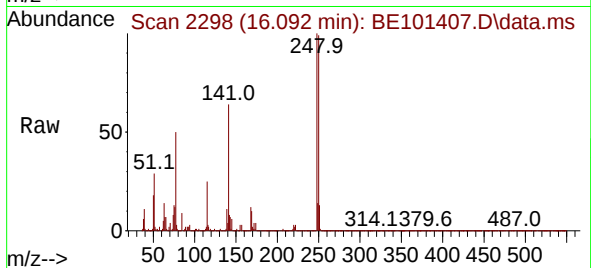
Tgt Ion:248 Resp: 89275

Ion Ratio Lower Upper

248 100

250 99.0 78.2 117.2

141 63.8 53.0 79.4



#68

Hexachlorobenzene

Concen: 8.331 ng

RT: 16.198 min Scan# 2316

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

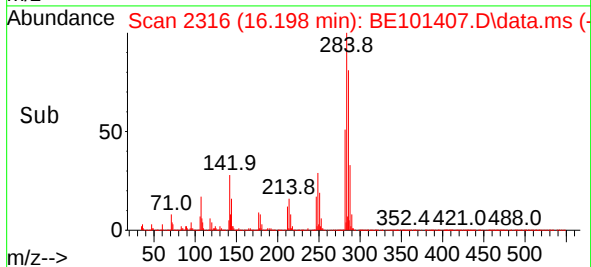
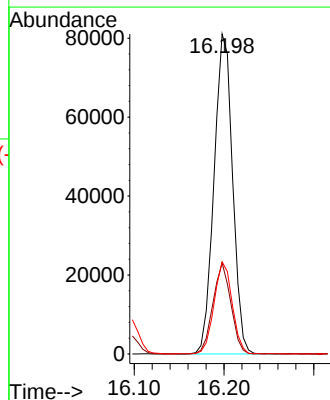
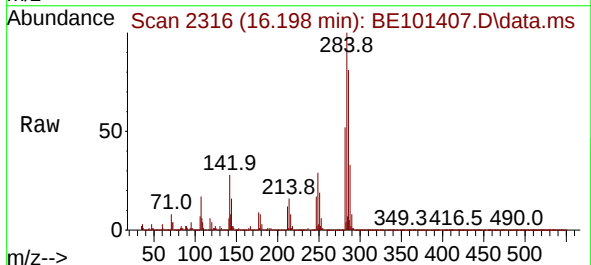
Tgt Ion:284 Resp: 116223

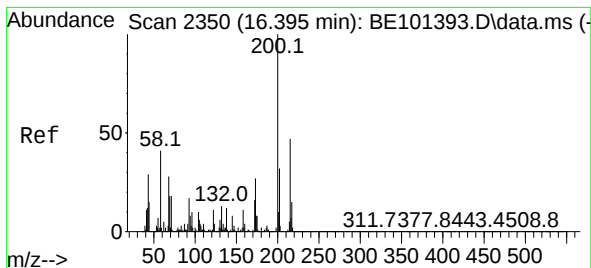
Ion Ratio Lower Upper

284 100

142 28.5 22.2 33.2

249 28.8 22.8 34.2





#69

Atrazine

Concen: 10.532 ng

RT: 16.386 min Scan# 2348

Delta R.T. -0.009 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

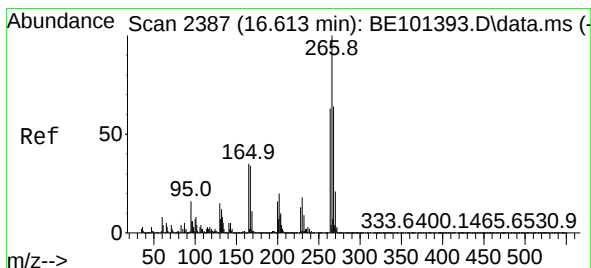
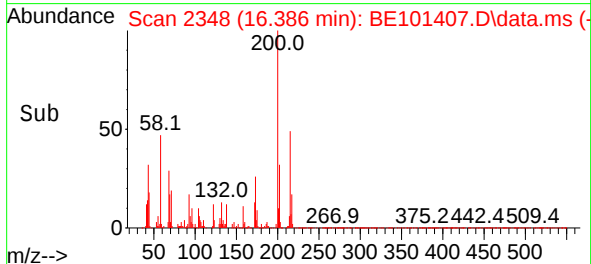
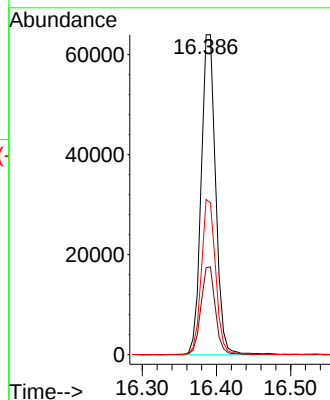
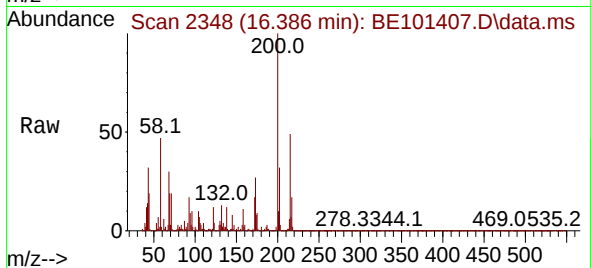
Tgt Ion:200 Resp: 86642

Ion Ratio Lower Upper

200 100

173 27.1 7.0 47.0

215 48.5 27.3 67.3



#70

Pentachlorophenol

Concen: 6.834 ng

RT: 16.603 min Scan# 2385

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

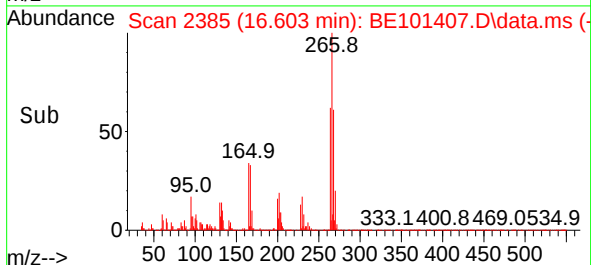
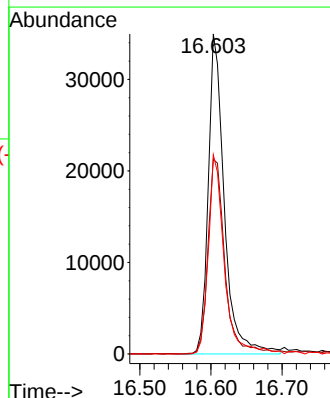
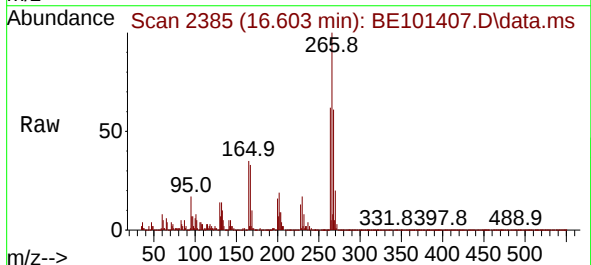
Tgt Ion:266 Resp: 54884

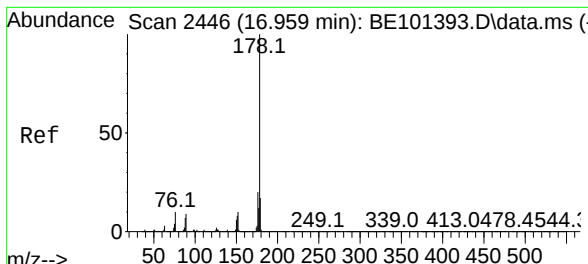
Ion Ratio Lower Upper

266 100

268 60.8 51.5 77.3

264 62.3 50.7 76.1



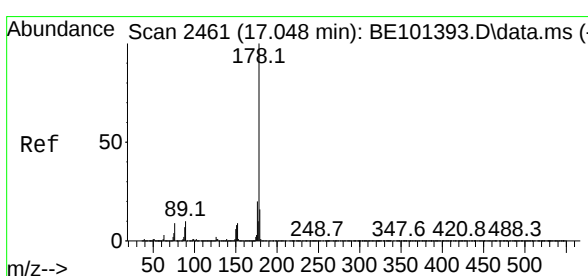
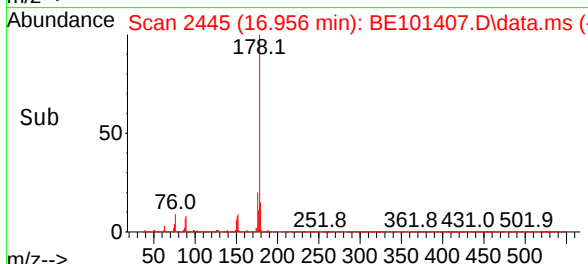
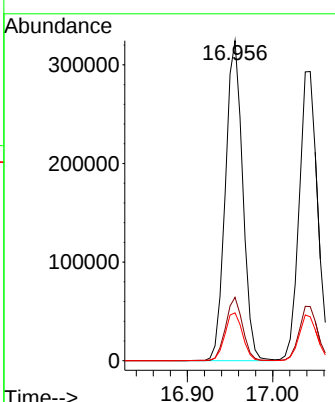
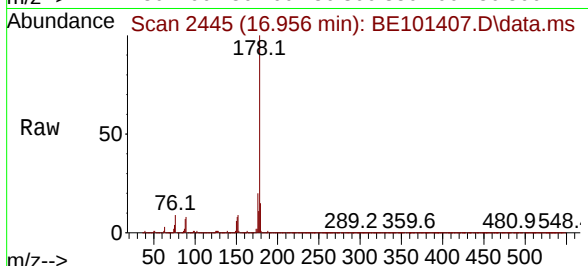


#71
 Phenanthrene
 Concen: 9.451 ng
 RT: 16.956 min Scan# 2445
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

Tgt Ion:178 Resp: 457870

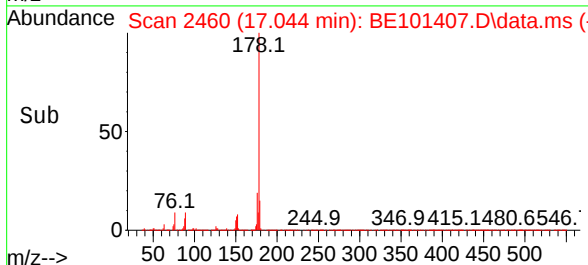
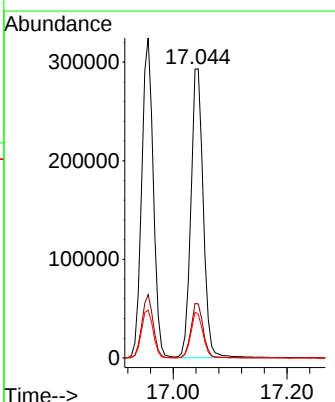
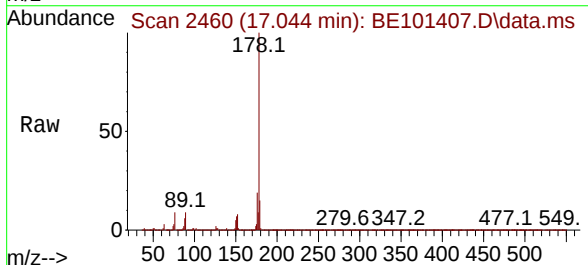
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	14.9	13.2	19.8

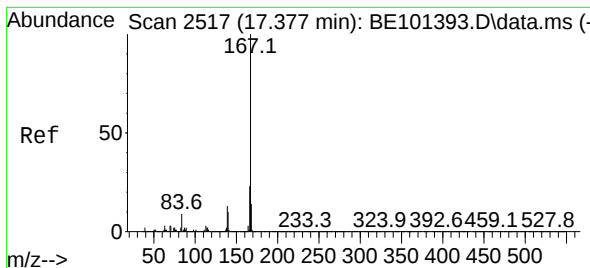


#72
 Anthracene
 Concen: 9.366 ng
 RT: 17.044 min Scan# 2460
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion:178 Resp: 443070

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.2	13.1	19.7





#73

Carbazole

Concen: 8.984 ng

RT: 17.373 min Scan# 2517

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

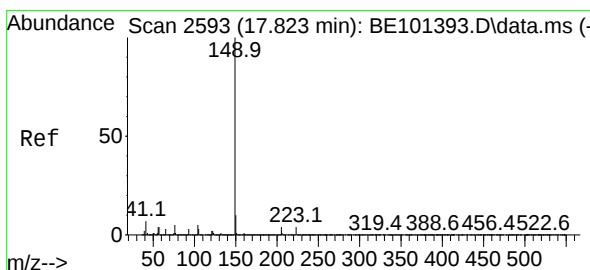
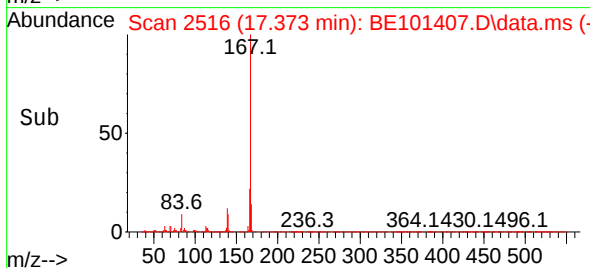
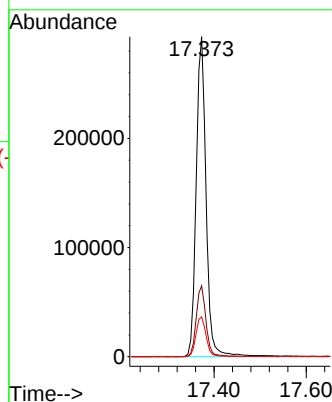
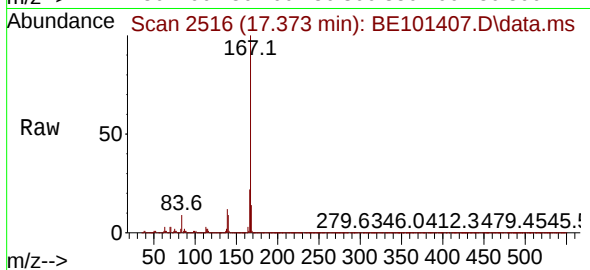
Tgt Ion:167 Resp: 434826

Ion Ratio Lower Upper

167 100

166 22.1 18.3 27.5

139 12.4 10.8 16.2



#74

Di-n-butylphthalate

Concen: 8.991 ng

RT: 17.820 min Scan# 2592

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

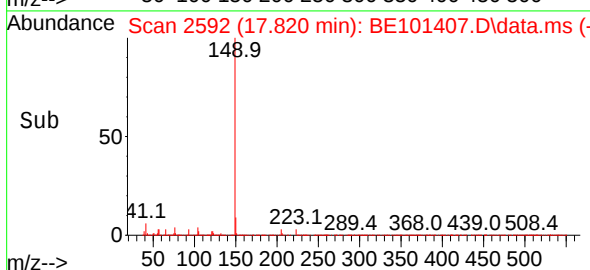
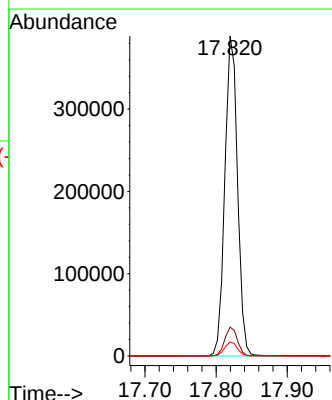
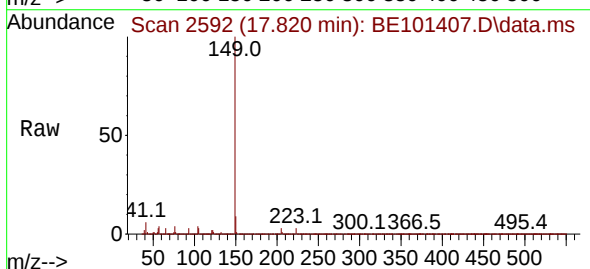
Tgt Ion:149 Resp: 479082

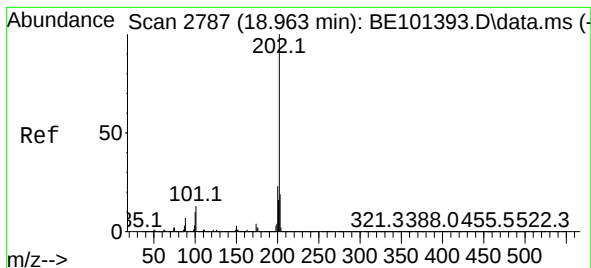
Ion Ratio Lower Upper

149 100

150 9.0 8.2 12.4

104 4.4 3.9 5.9





#75

Fluoranthene

Concen: 9.367 ng

RT: 18.959 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

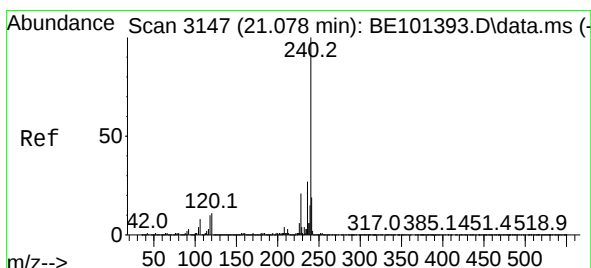
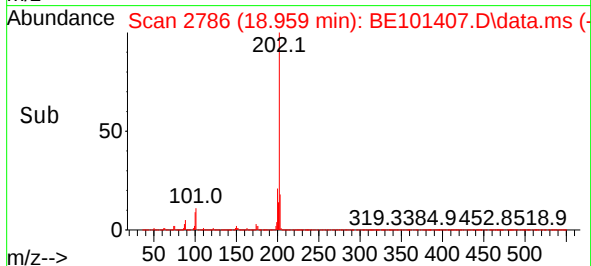
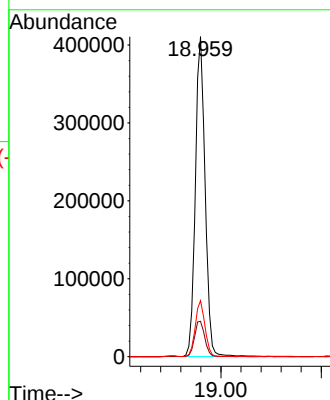
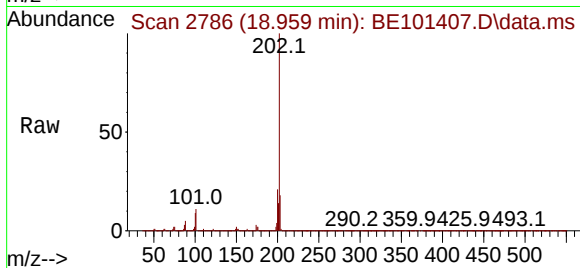
Tgt Ion:202 Resp: 551191

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.3

203 17.5 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.075 min Scan# 3146

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

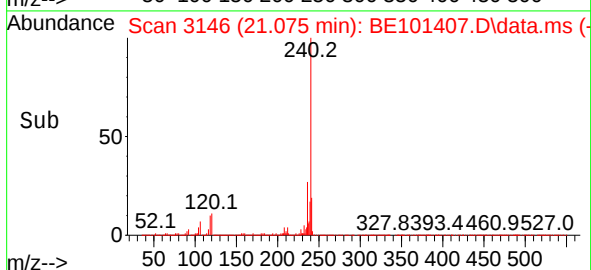
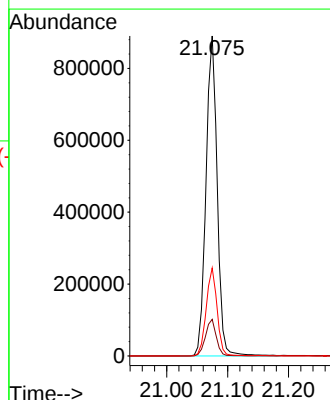
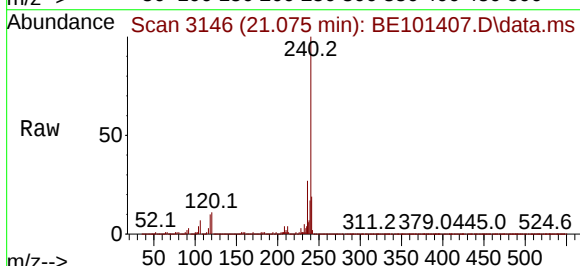
Tgt Ion:240 Resp: 1139291

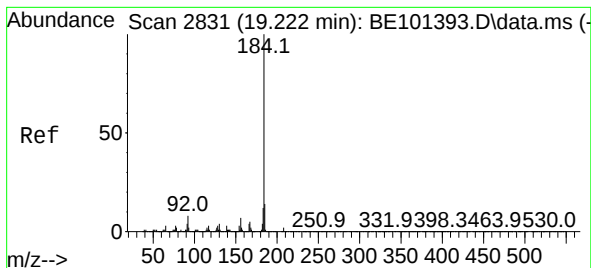
Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.4

236 27.5 21.4 32.0





#77

Benzidine

Concen: 12.932 ng

RT: 19.212 min Scan# 2829

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

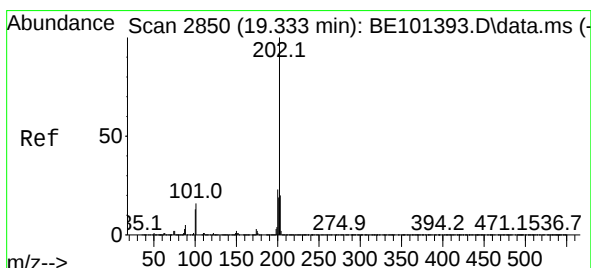
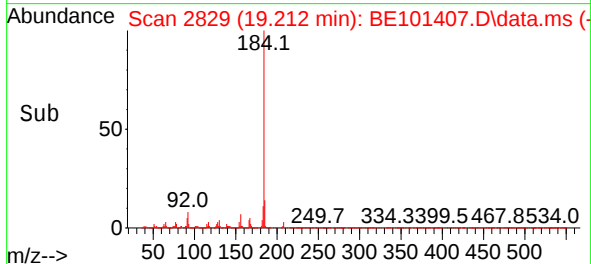
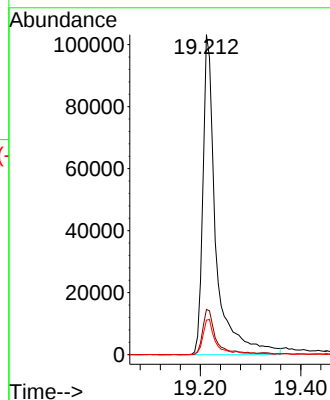
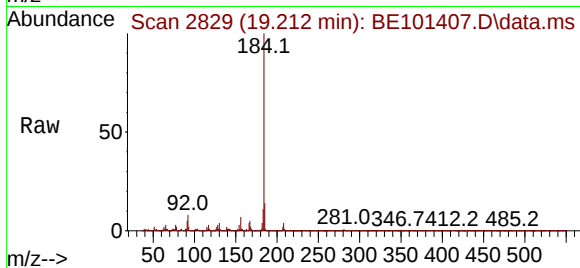
Tgt Ion:184 Resp: 186995

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 10.8 9.3 13.9



#78

Pyrene

Concen: 9.465 ng

RT: 19.330 min Scan# 2849

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

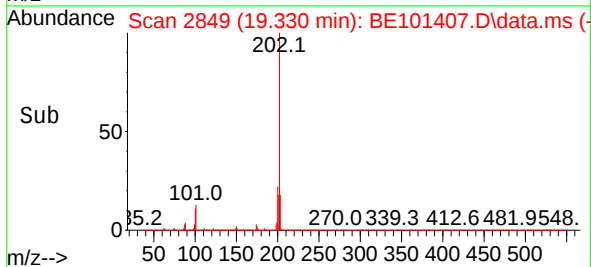
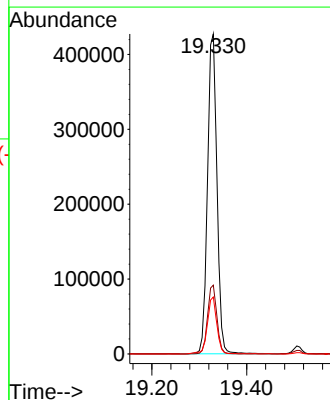
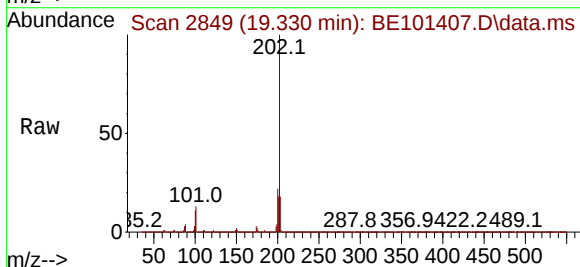
Tgt Ion:202 Resp: 592975

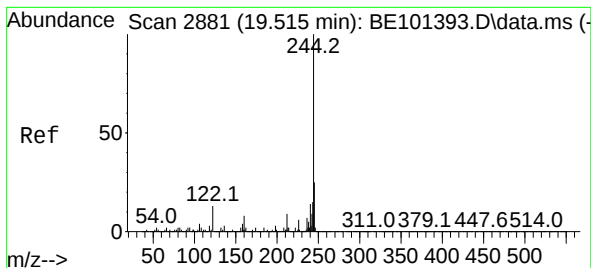
Ion Ratio Lower Upper

202 100

200 21.5 18.6 28.0

203 17.8 15.6 23.4





#79

Terphenyl-d14

Concen: 70.751 ng

RT: 19.506 min Scan# 21

Delta R.T. -0.009 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

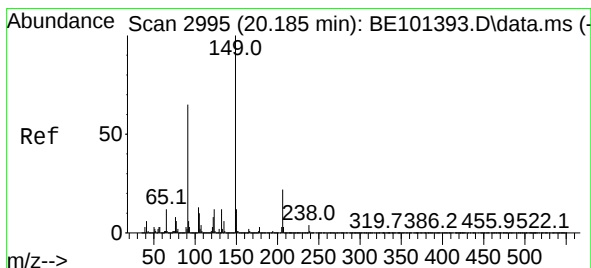
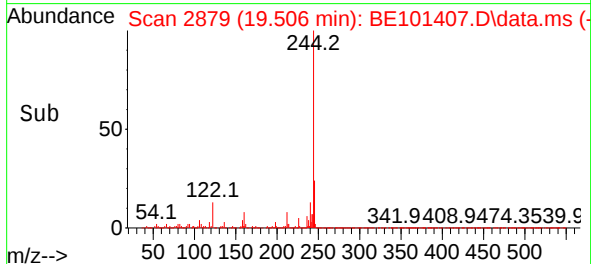
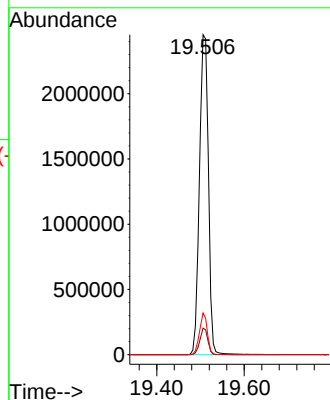
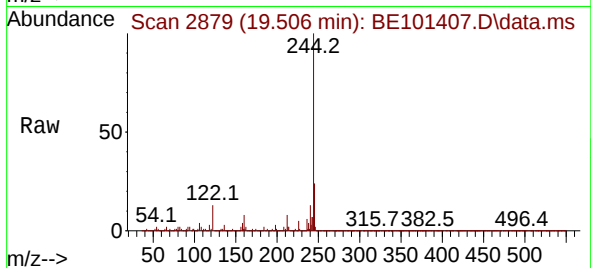
Tgt Ion:244 Resp: 3502256

Ion Ratio Lower Upper

244 100

212 8.3 7.2 10.8

122 13.0 10.4 15.6



#80

Butylbenzylphthalate

Concen: 8.788 ng

RT: 20.181 min Scan# 2994

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

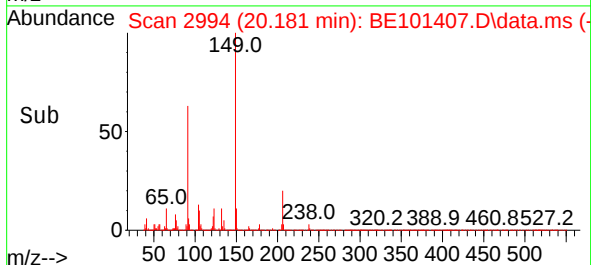
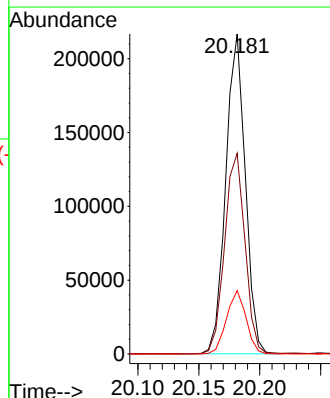
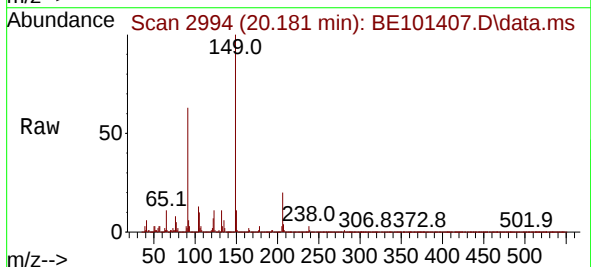
Tgt Ion:149 Resp: 241382

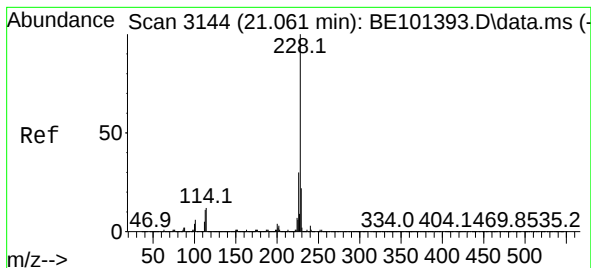
Ion Ratio Lower Upper

149 100

91 62.7 51.8 77.8

206 19.8 17.4 26.2





#81

Benzo(a)anthracene

Concen: 9.864 ng

RT: 21.051 min Scan# 3142

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

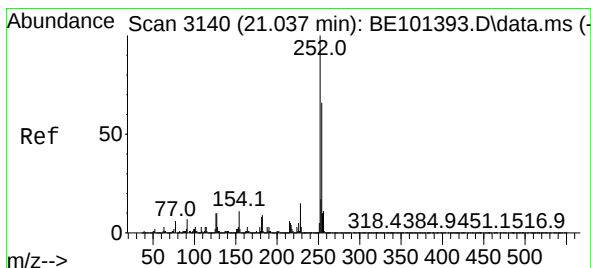
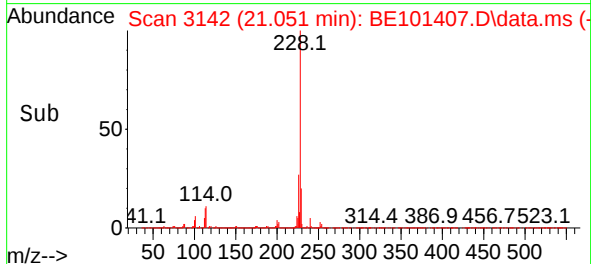
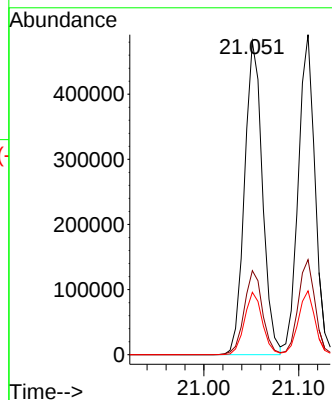
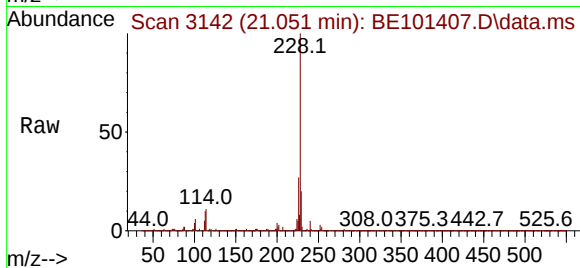
Tgt Ion:228 Resp: 631652

Ion Ratio Lower Upper

228 100

226 26.8 24.1 36.1

229 20.0 17.3 25.9



#82

3,3'-Dichlorobenzidine

Concen: 9.057 ng

RT: 21.028 min Scan# 3138

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

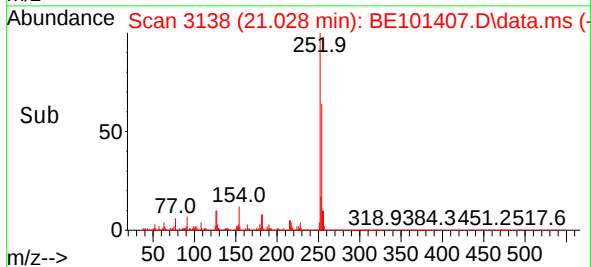
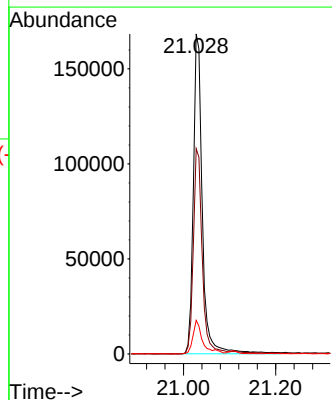
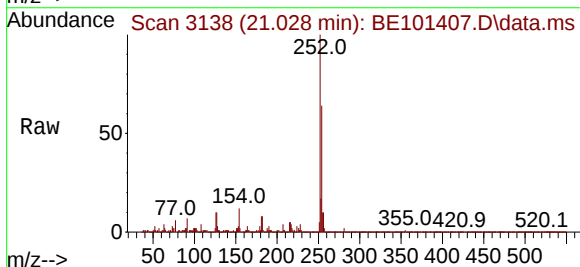
Tgt Ion:252 Resp: 227196

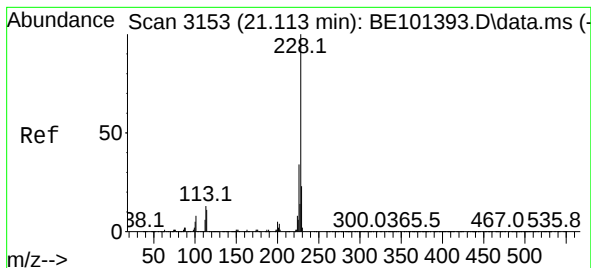
Ion Ratio Lower Upper

252 100

254 64.1 52.6 78.8

126 10.5 7.7 11.5





#83

Chrysene

Concen: 9.905 ng

RT: 21.110 min Scan# 3153

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

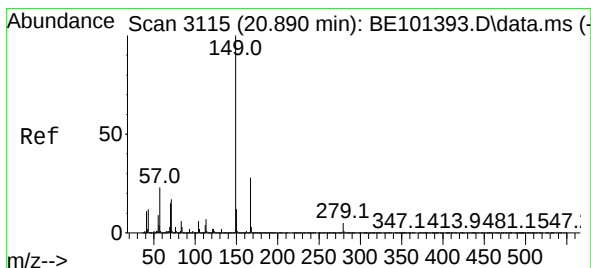
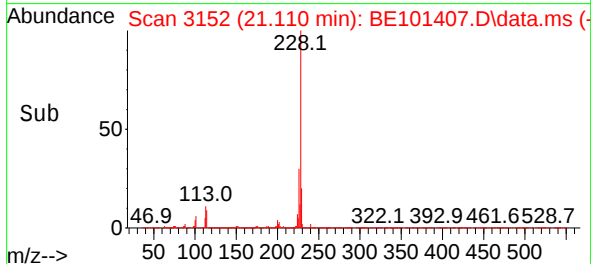
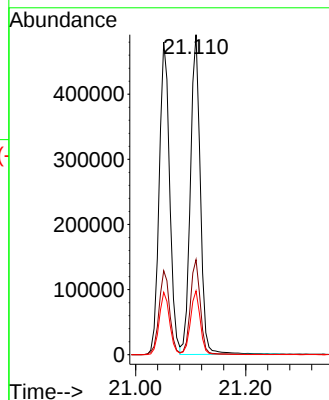
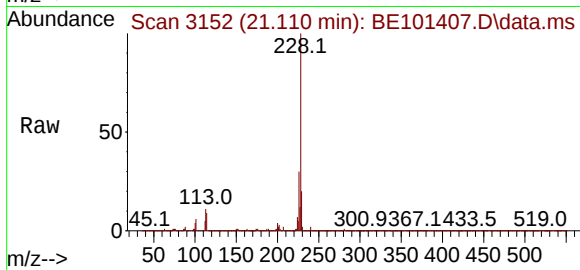
Tgt Ion:228 Resp: 613259

Ion Ratio Lower Upper

228 100

226 29.7 27.2 40.8

229 20.0 18.0 27.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.858 ng

RT: 20.881 min Scan# 3113

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

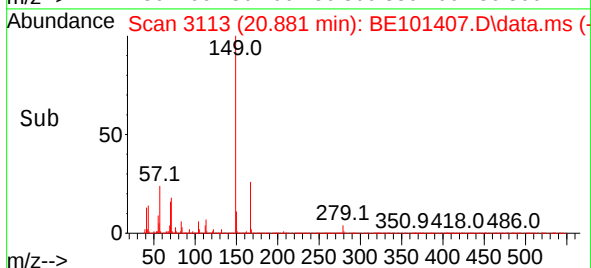
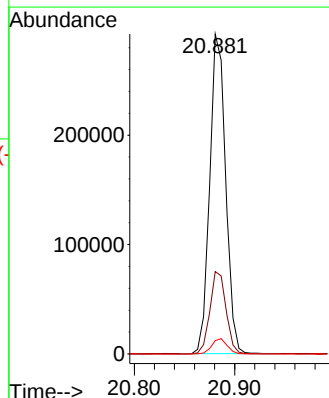
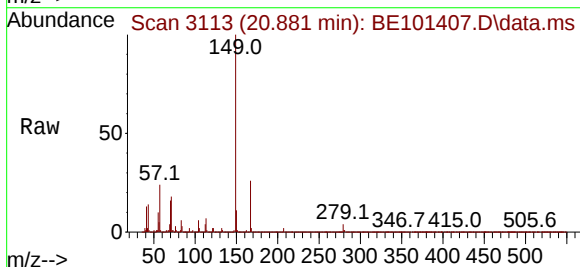
Tgt Ion:149 Resp: 323186

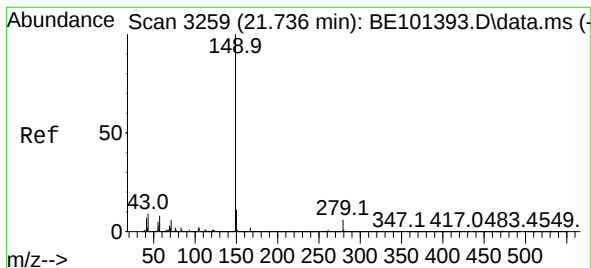
Ion Ratio Lower Upper

149 100

167 25.8 22.7 34.1

279 4.1 4.3 6.5#





#85

Di-n-octyl phthalate

Concen: 9.124 ng

RT: 21.733 min Scan# 31

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

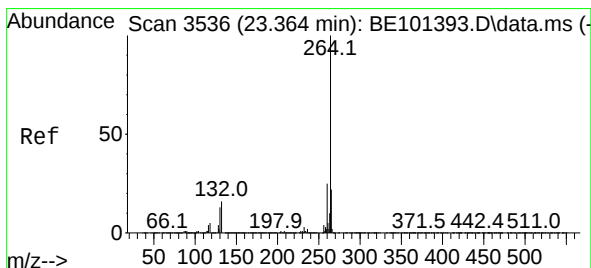
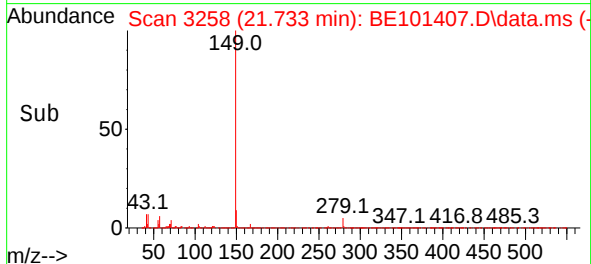
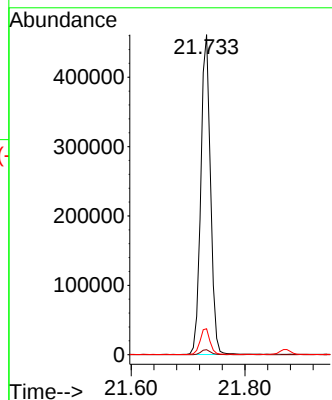
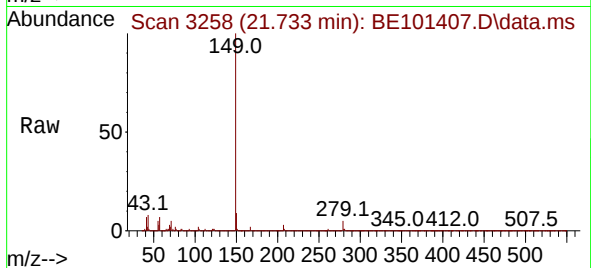
Tgt Ion:149 Resp: 546397

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 8.3 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: BE101407.D

Acq: 29 Oct 2024 15:08

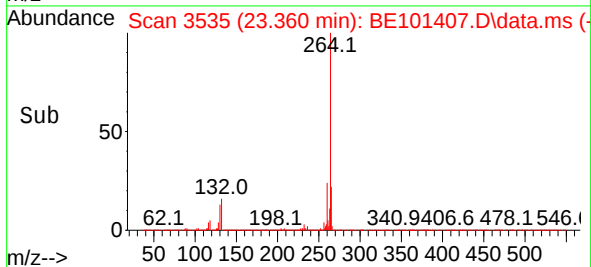
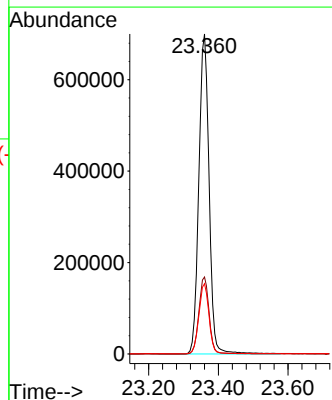
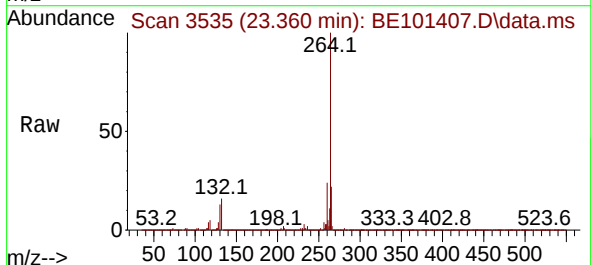
Tgt Ion:264 Resp: 1430347

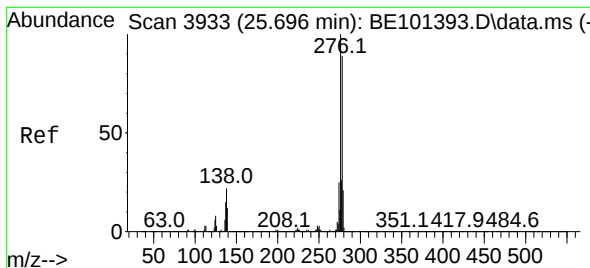
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.8

265 21.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.185 ng

RT: 25.663 min Scan# 3933

Delta R.T. -0.033 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

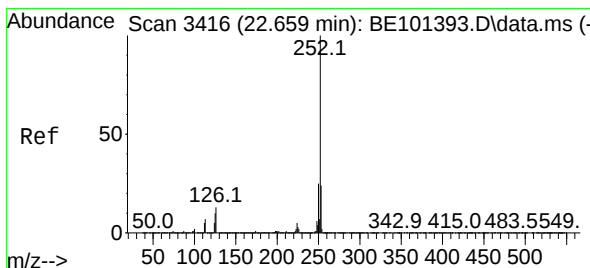
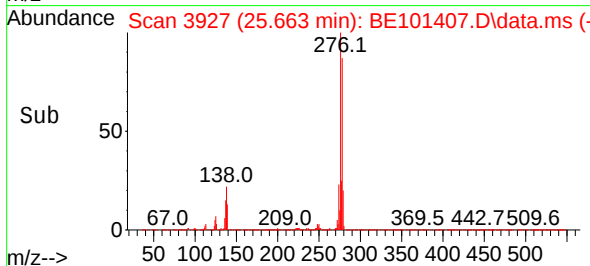
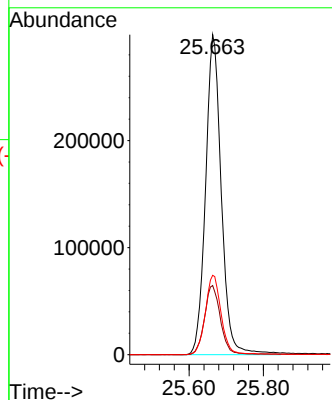
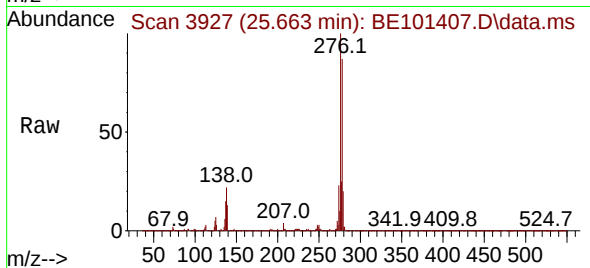
Tgt Ion:276 Resp: 879275

Ion Ratio Lower Upper

276 100

138 21.8 17.8 26.8

277 24.8 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 8.813 ng

RT: 22.649 min Scan# 3414

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

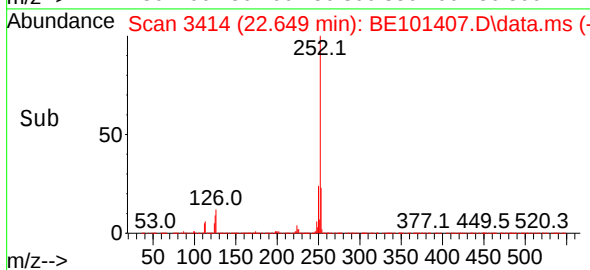
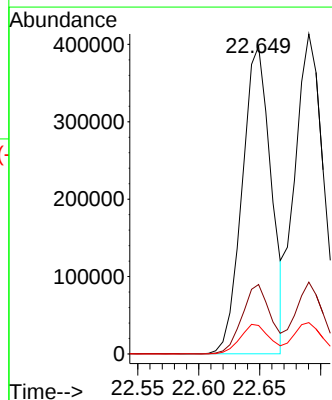
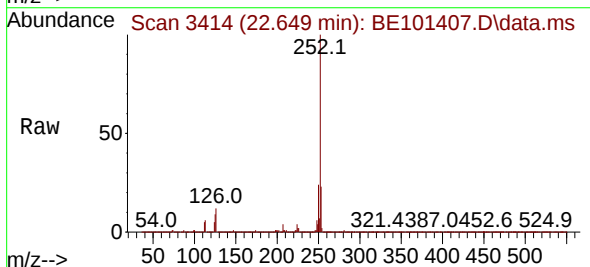
Tgt Ion:252 Resp: 656933

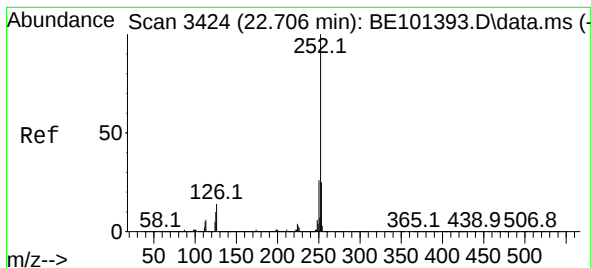
Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.6

125 9.2 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 9.953 ng

RT: 22.690 min Scan# 3424

Delta R.T. -0.015 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

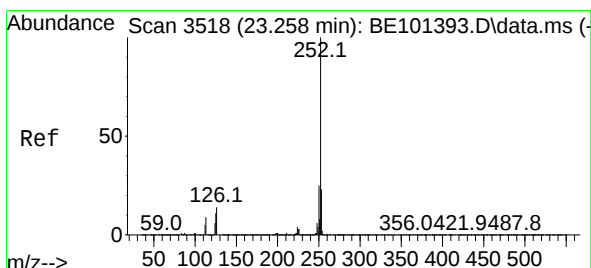
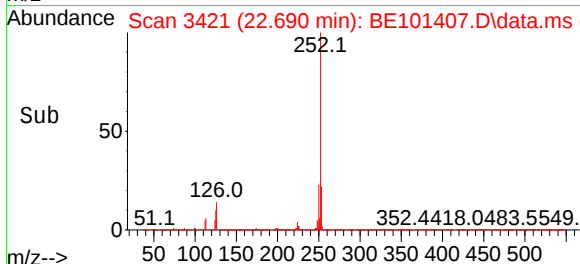
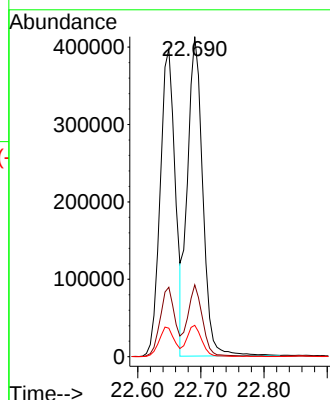
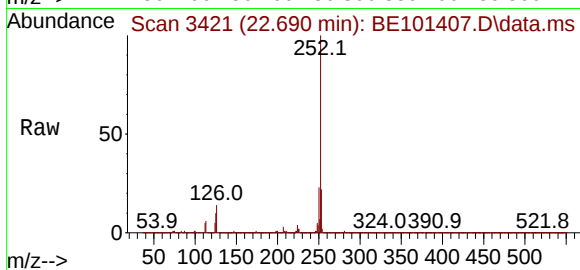
Tgt Ion:252 Resp: 693128

Ion Ratio Lower Upper

252 100

253 22.4 19.4 29.2

125 9.8 8.2 12.2



#90

Benzo(a)pyrene

Concen: 9.529 ng

RT: 23.248 min Scan# 3516

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

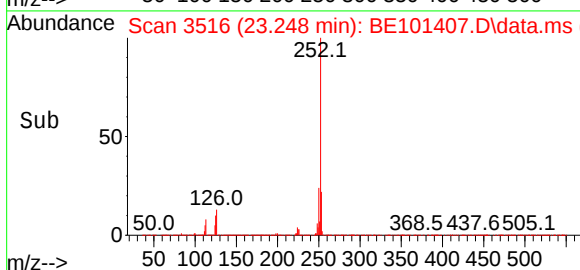
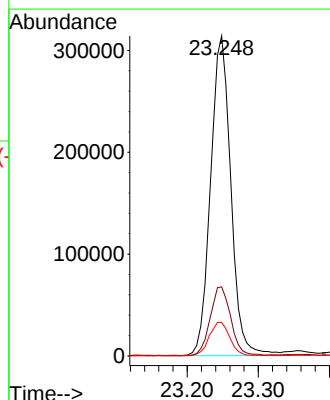
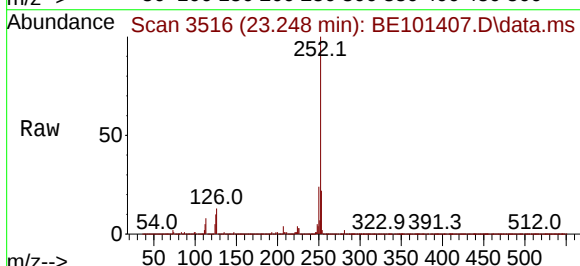
Tgt Ion:252 Resp: 621175

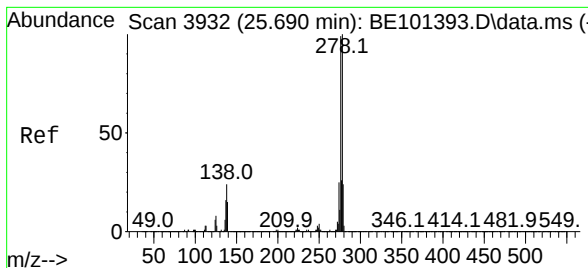
Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

125 10.5 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 9.086 ng

RT: 25.663 min Scan# 3932

Delta R.T. -0.027 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

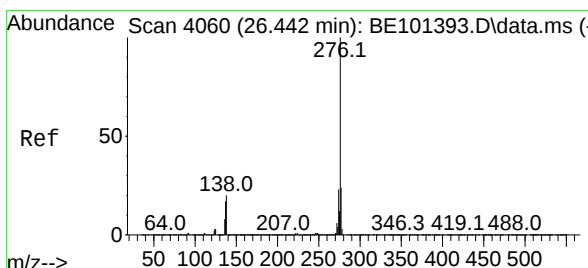
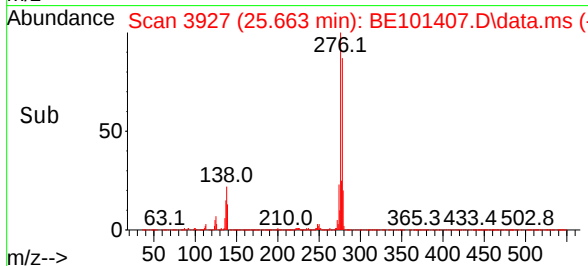
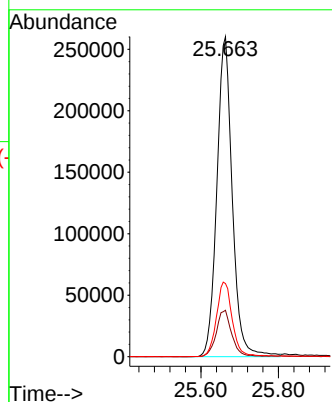
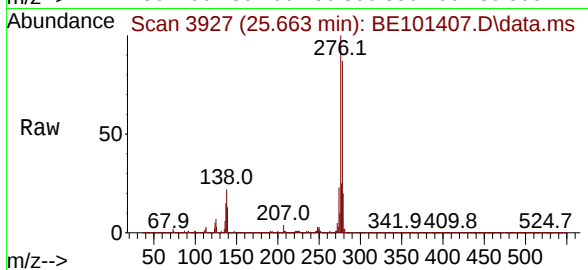
Tgt Ion:278 Resp: 718714

Ion Ratio Lower Upper

278 100

139 14.5 11.9 17.9

279 22.8 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 8.255 ng

RT: 26.415 min Scan# 4055

Delta R.T. -0.027 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Tgt Ion:276 Resp: 672798

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 19.0 15.8 23.6

