

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025533.D
 Acq On : 21 Aug 2025 10:06
 Operator : CG/JU
 Sample : Q2873-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 21 13:04:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	191864	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	771458	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	470940	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	863345	20.000	ng	0.00
76) Chrysene-d12	21.642	240	839801	20.000	ng	0.00
86) Perylene-d12	25.001	264	984596	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1015765	87.921	ng	0.00
7) Phenol-d6	6.966	99	1315800	88.832	ng	0.00
23) Nitrobenzene-d5	8.925	82	827232	54.243	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	522534	82.433	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1791736	51.997	ng	-0.01
79) Terphenyl-d14	19.907	244	2282690	49.730	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.331	88	177998	39.333	ng	98
3) Pyridine	3.725	79	483319	39.020	ng	96
4) n-Nitrosodimethylamine	3.631	42	250381	49.032	ng	92
6) Aniline	7.119	93	586412	29.384	ng	99
8) 2-Chlorophenol	7.361	128	622856	47.775	ng	98
9) Benzaldehyde	6.931	77	298100	28.725	ng	95
10) Phenol	6.990	94	742258	47.756	ng	96
11) bis(2-Chloroethyl)ether	7.208	93	543572	44.870	ng	97
12) 1,3-Dichlorobenzene	7.678	146	640958	44.586	ng	99
13) 1,4-Dichlorobenzene	7.819	146	653240	44.457	ng	99
14) 1,2-Dichlorobenzene	8.131	146	627925	44.147	ng	98
15) Benzyl Alcohol	8.019	79	546838	46.463	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.302	45	748184	46.104	ng	99
17) 2-Methylphenol	8.225	107	505883	46.864	ng	99
18) Hexachloroethane	8.855	117	248697	46.034	ng	99
19) n-Nitroso-di-n-propyla...	8.578	70	418932	42.699	ng	97
20) 3+4-Methylphenols	8.543	107	684478	45.744	ng	98
22) Acetophenone	8.596	105	868679	44.901	ng	98
24) Nitrobenzene	8.966	77	638246	46.828	ng	99
25) Isophorone	9.496	82	1193996	44.239	ng	99
26) 2-Nitrophenol	9.672	139	334169	47.774	ng	99
27) 2,4-Dimethylphenol	9.737	122	485331	40.346	ng	96
28) bis(2-Chloroethoxy)met...	9.966	93	734758	45.037	ng	99
29) 2,4-Dichlorophenol	10.207	162	574623	48.088	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	583099	44.514	ng	100
31) Naphthalene	10.602	128	1804204	44.996	ng	99
32) Benzoic acid	9.890	122	445313	50.144	ng	93
33) 4-Chloroaniline	10.707	127	300058	16.941	ng	99
34) Hexachlorobutadiene	10.890	225	367445	45.042	ng	98
35) Caprolactam	11.496	113	188979	43.129	ng	95
36) 4-Chloro-3-methylphenol	11.837	107	638909	46.596	ng	99
37) 2-Methylnaphthalene	12.207	142	1150302	44.083	ng	99
38) 1-Methylnaphthalene	12.431	142	1196163	43.105	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	644021	47.350	ng	99
41) Hexachlorocyclopentadiene	12.560	237	738833	89.929	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	457973	49.875	ng	98

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	497251	49.411	ng	98
46) 1,1'-Biphenyl	13.219	154	1609444	47.056	ng	98
47) 2-Chloronaphthalene	13.260	162	1259254	47.294	ng	100
48) 2-Nitroaniline	13.460	65	390555	50.341	ng	96
49) Acenaphthylene	14.119	152	2044565	46.405	ng	100
50) Dimethylphthalate	13.848	163	1586170	45.994	ng	99
51) 2,6-Dinitrotoluene	13.960	165	349407	48.070	ng	93
52) Acenaphthene	14.460	154	1178511	45.570	ng	99
53) 3-Nitroaniline	14.290	138	232805	28.467	ng	90
54) 2,4-Dinitrophenol	14.507	184	405464	104.455	ng	92
55) Dibenzofuran	14.801	168	1867468	45.673	ng	100
56) 4-Nitrophenol	14.619	139	606646	90.272	ng	93
57) 2,4-Dinitrotoluene	14.760	165	494343	47.667	ng	96
58) Fluorene	15.460	166	1413855	43.823	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	411449	46.303	ng	98
60) Diethylphthalate	15.237	149	1545410	44.102	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	706554	44.034	ng	94
62) 4-Nitroaniline	15.472	138	347937	41.501	ng	97
63) Azobenzene	15.754	77	1509771	50.317	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	263127	48.893	ng	94
66) n-Nitrosodiphenylamine	15.672	169	1283484	48.752	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	453875	47.800	ng	97
68) Hexachlorobenzene	16.489	284	517656	47.030	ng	99
69) Atrazine	16.648	200	441456	44.775	ng	97
70) Pentachlorophenol	16.842	266	659090	94.859	ng	97
71) Phenanthrene	17.242	178	2168100	45.715	ng	99
72) Anthracene	17.331	178	2207693	45.583	ng	100
73) Carbazole	17.613	167	1997934	43.796	ng	99
74) Di-n-butylphthalate	18.213	149	2502094	44.580	ng	100
75) Fluoranthene	19.325	202	2374209	41.968	ng	99
77) Benzidine	19.519	184	643898	22.466	ng	99
78) Pyrene	19.695	202	2467626	45.207	ng	100
80) Butylbenzylphthalate	20.642	149	1143536	46.225	ng	98
81) Benzo(a)anthracene	21.619	228	2577739	46.542	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	739859	35.441	ng	99
83) Chrysene	21.689	228	2420828	46.673	ng	98
84) Bis(2-ethylhexyl)phtha...	21.554	149	1677914	46.076	ng	99
85) Di-n-octyl phthalate	22.842	149	3122428	49.849	ng	99
87) Indeno(1,2,3-cd)pyrene	28.830	276	3108930	43.056	ng	94
88) Benzo(b)fluoranthene	23.924	252	2774997	47.796	ng	99
89) Benzo(k)fluoranthene	24.001	252	2763017	47.558	ng	99
90) Benzo(a)pyrene	24.842	252	2696431	47.711	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2887100	48.928	ng	99
92) Benzo(g,h,i)perylene	30.018	276	2844057	49.033	ng	99

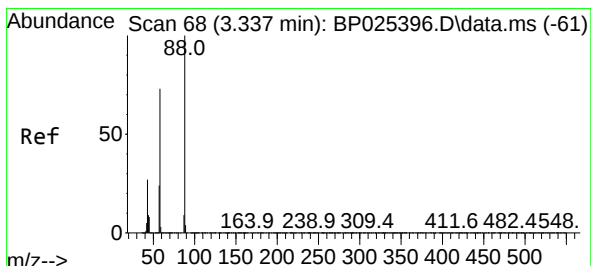
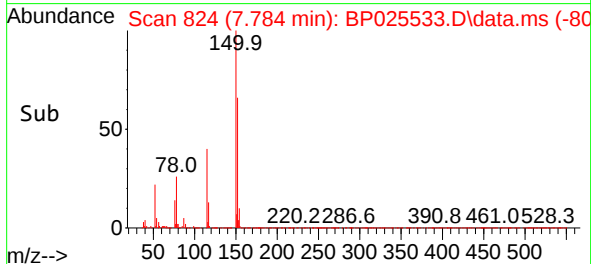
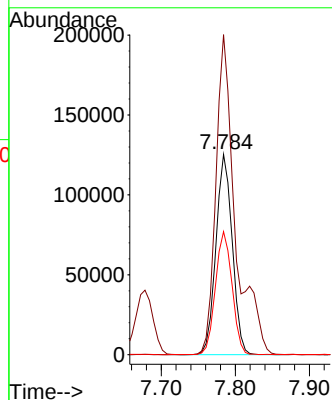
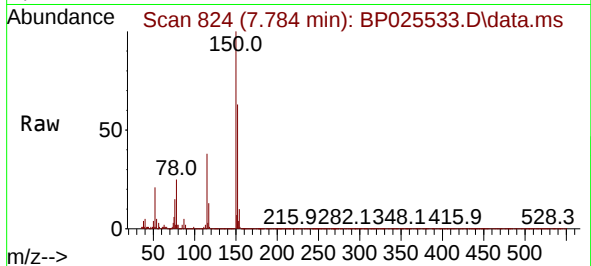
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.784 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025533.D
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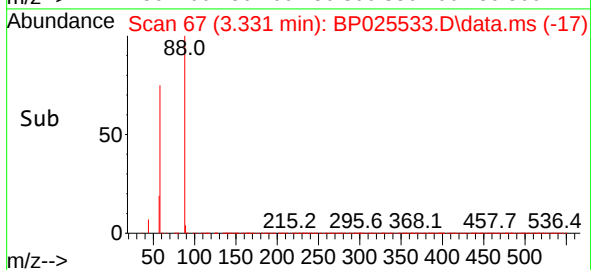
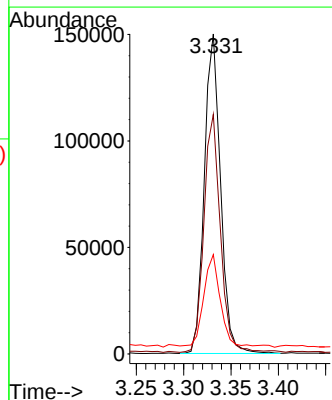
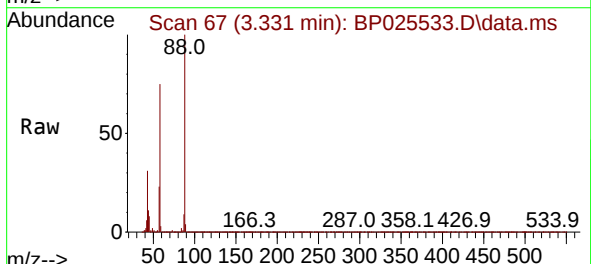
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 DRILL CUTTING 1-3 COMPMSD

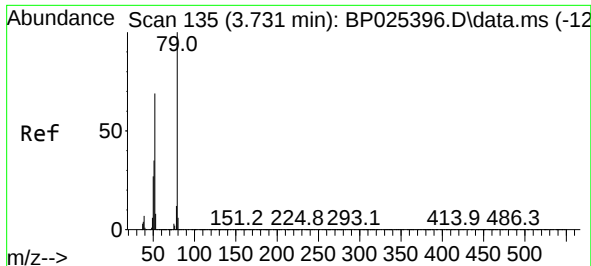
Tgt Ion:152 Resp: 191864
 Ion Ratio Lower Upper
 152 100
 150 159.7 125.9 188.9
 115 61.4 48.5 72.7



#2
 1,4-Dioxane
 Concen: 39.333 ng
 RT: 3.331 min Scan# 67
 Delta R.T. -0.006 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

Tgt Ion: 88 Resp: 177998
 Ion Ratio Lower Upper
 88 100
 58 75.6 59.2 88.8
 43 28.3 21.7 32.5

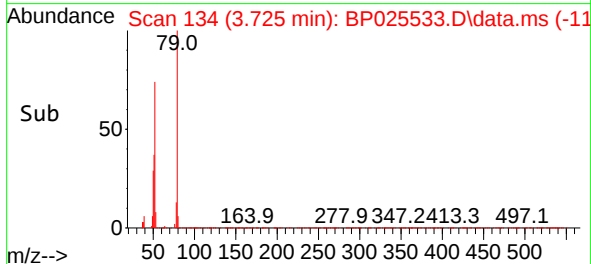
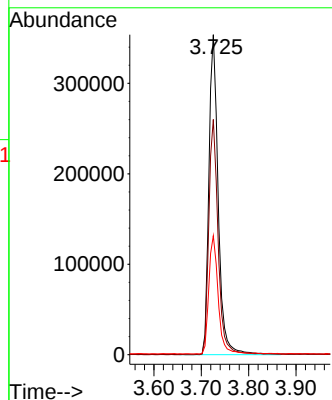
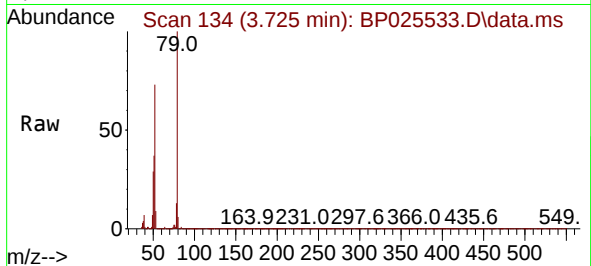




#3
Pyridine
Concen: 39.020 ng
RT: 3.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

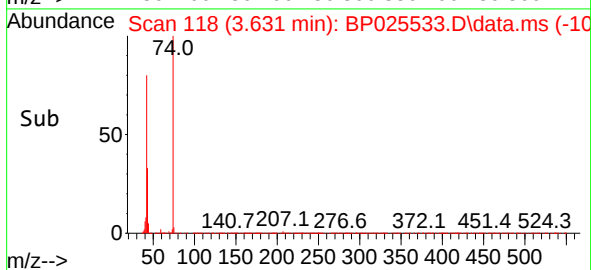
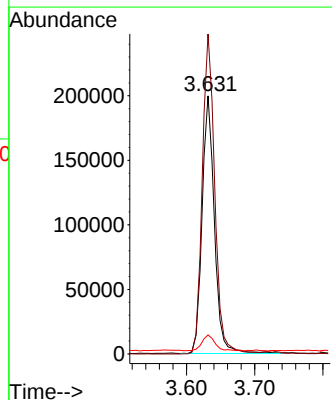
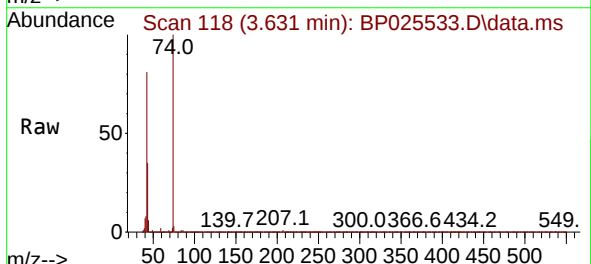
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

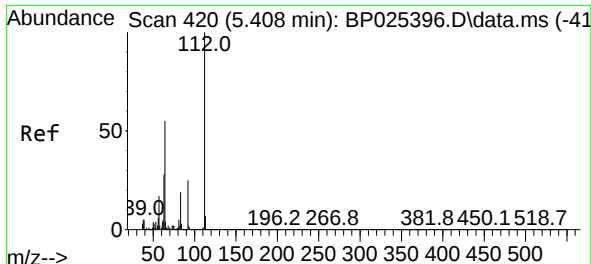
Tgt Ion: 79 Resp: 483319
Ion Ratio Lower Upper
79 100
52 73.5 55.5 83.3
51 37.1 28.3 42.5



#4
n-Nitrosodimethylamine
Concen: 49.032 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 42 Resp: 250381
Ion Ratio Lower Upper
42 100
74 124.0 107.0 160.4
44 7.4 6.2 9.4

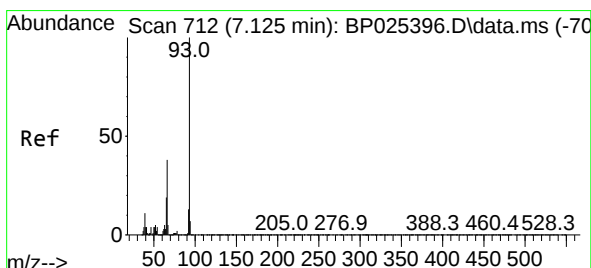
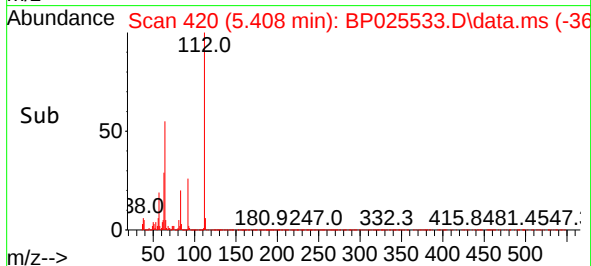
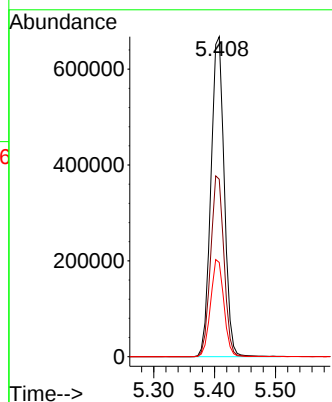
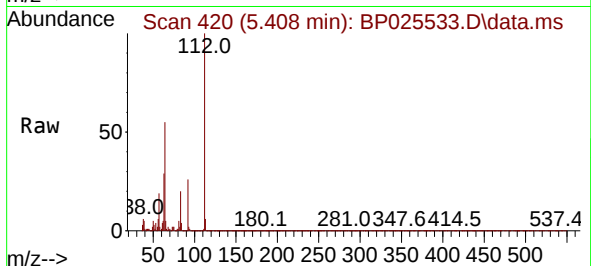




#5
2-Fluorophenol
Concen: 87.921 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

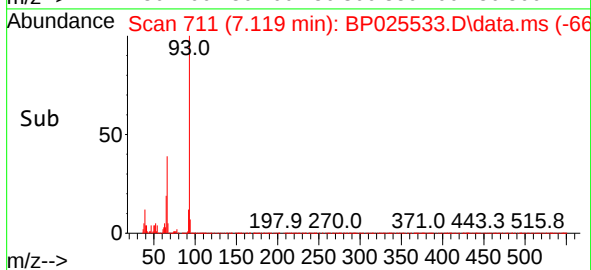
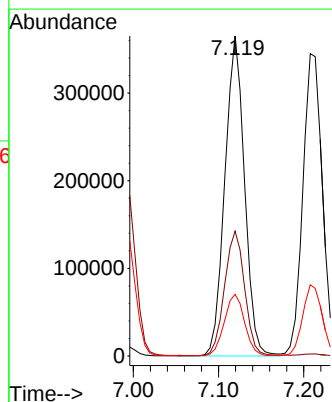
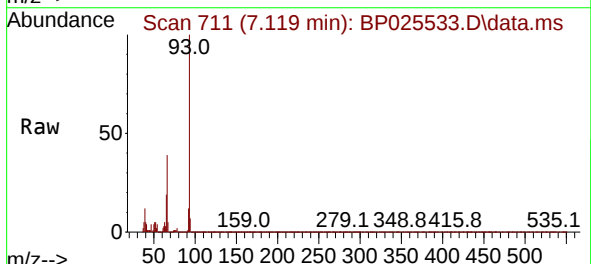
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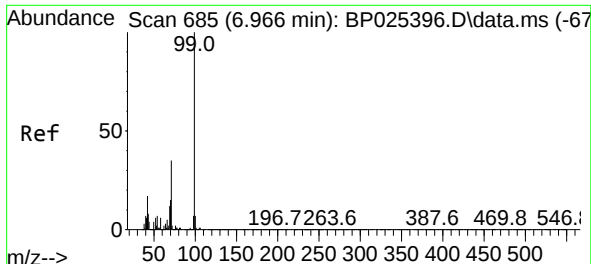
Tgt Ion:112 Resp: 1015765
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.8
63 29.4 22.7 34.1



#6
Aniline
Concen: 29.384 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 93 Resp: 586412
Ion Ratio Lower Upper
93 100
66 39.0 30.4 45.6
65 19.2 15.3 22.9

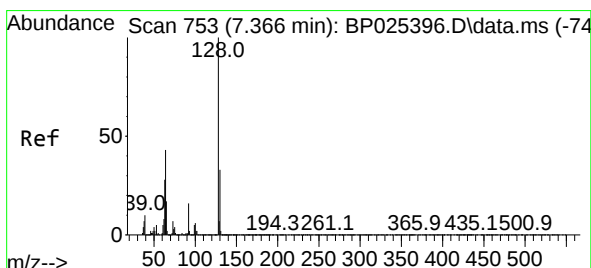
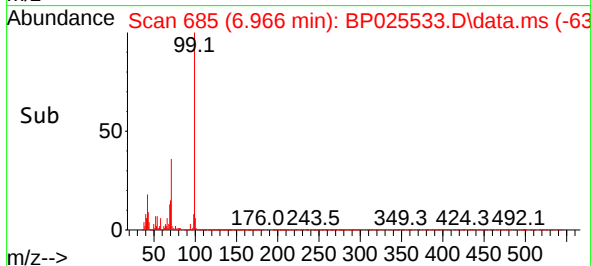
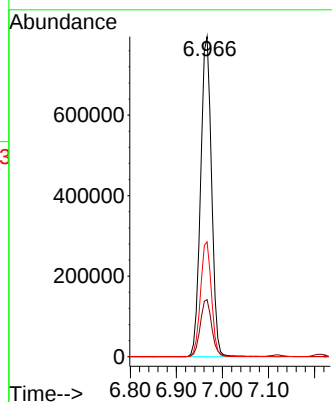
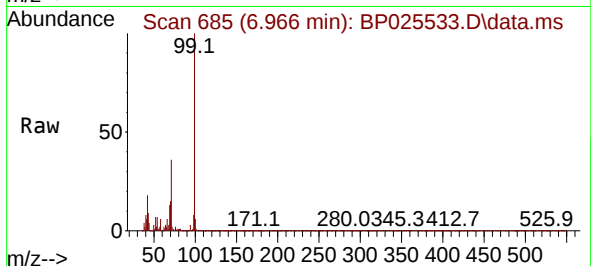




#7
Phenol-d6
Concen: 88.832 ng
RT: 6.966 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

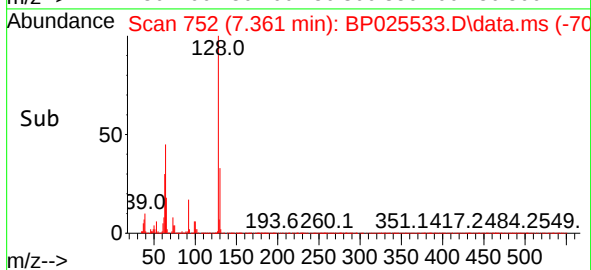
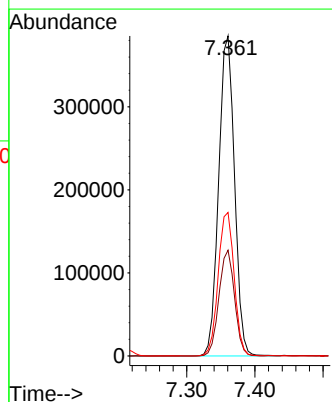
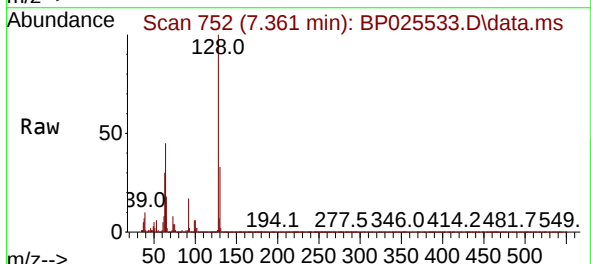
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ClientSampleId :
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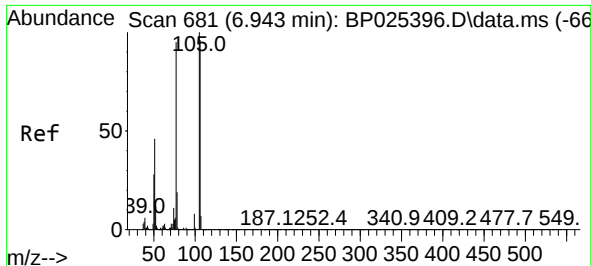
Tgt Ion: 99 Resp: 1315800
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.8 28.2 42.4



#8
2-Chlorophenol
Concen: 47.775 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 128 Resp: 622856
Ion Ratio Lower Upper
128 100
130 33.0 12.6 52.6
64 44.8 23.4 63.4

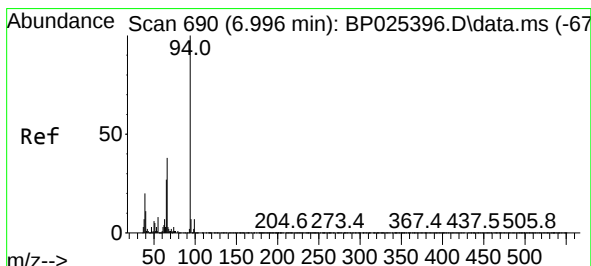
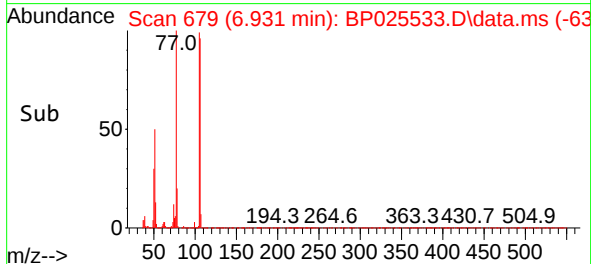
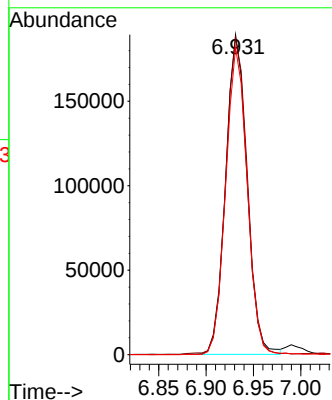
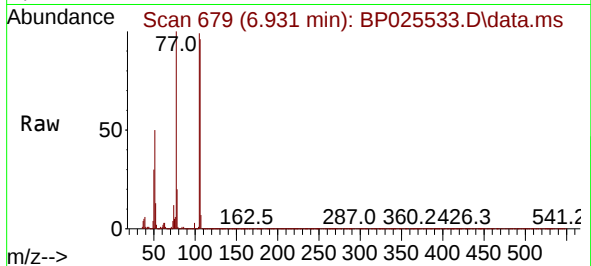




#9
Benzaldehyde
Concen: 28.725 ng
RT: 6.931 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

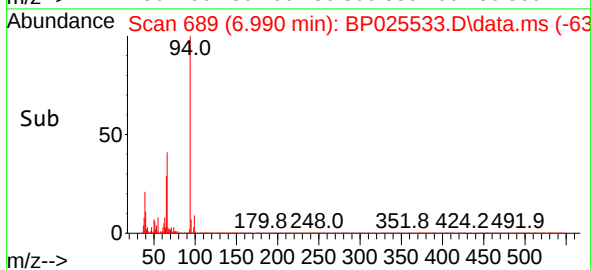
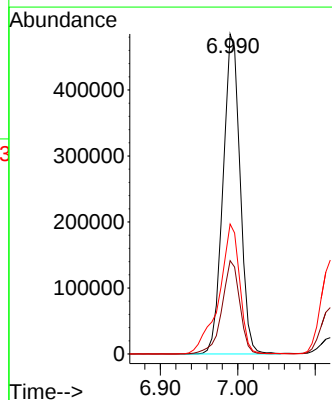
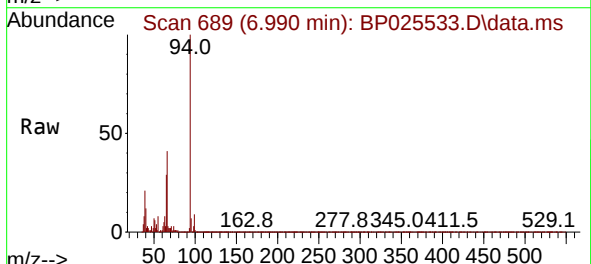
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

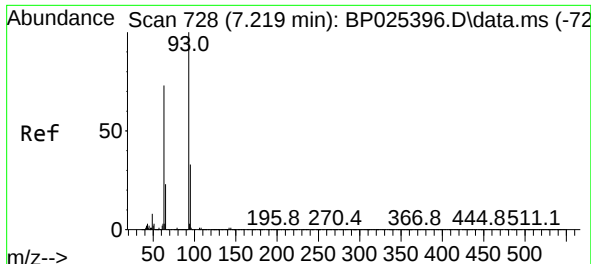
Tgt Ion: 77 Resp: 298100
Ion Ratio Lower Upper
77 100
105 99.0 84.8 124.8
106 96.0 80.5 120.5



#10
Phenol
Concen: 47.756 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 94 Resp: 742258
Ion Ratio Lower Upper
94 100
65 29.1 6.8 46.8
66 40.6 18.2 58.2

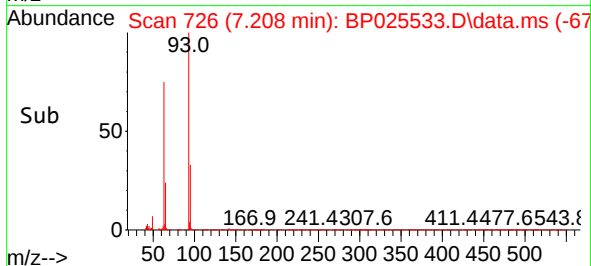
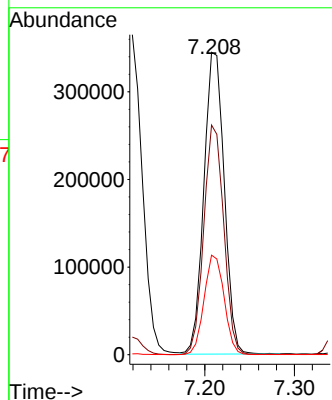
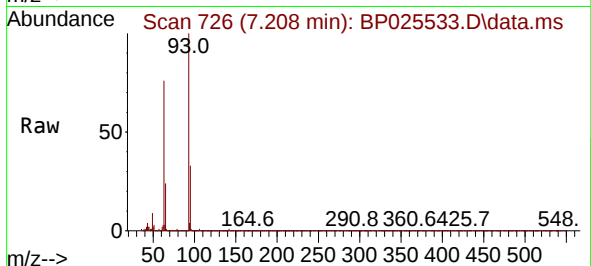




#11
bis(2-Chloroethyl)ether
Concen: 44.870 ng
RT: 7.208 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

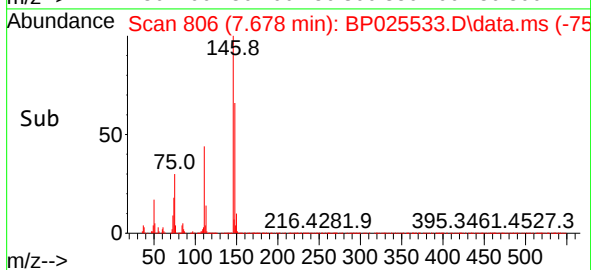
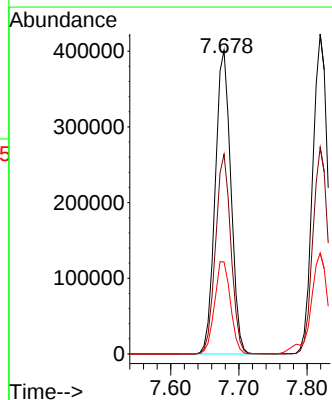
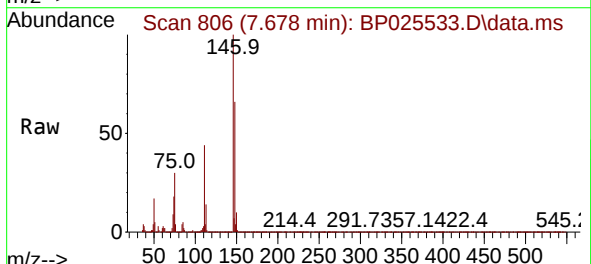
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

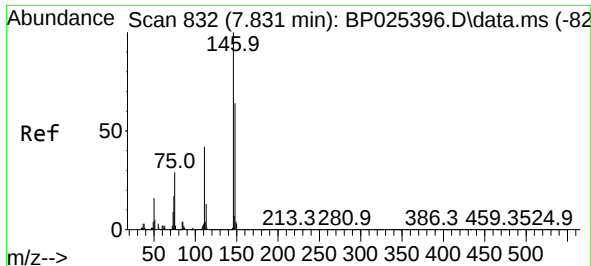
Tgt Ion: 93 Resp: 543572
Ion Ratio Lower Upper
93 100
63 75.9 52.6 92.6
95 32.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 44.586 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 146 Resp: 640958
Ion Ratio Lower Upper
146 100
148 65.7 51.9 77.9
75 30.3 23.7 35.5

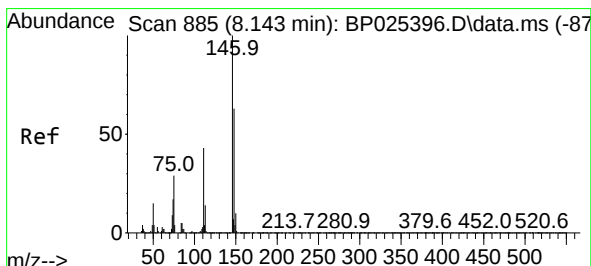
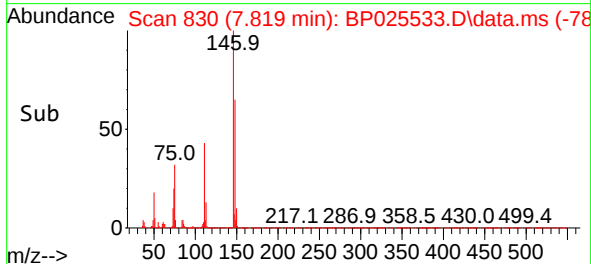
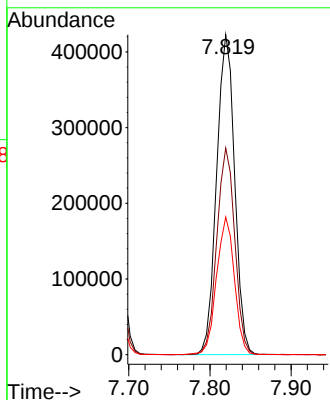
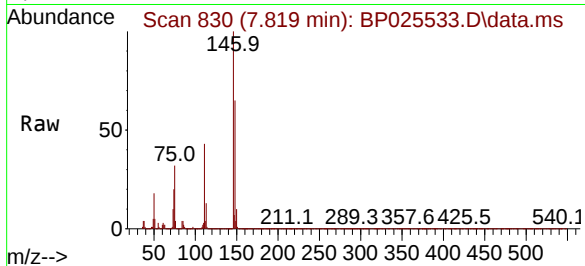




#13
1,4-Dichlorobenzene
Concen: 44.457 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

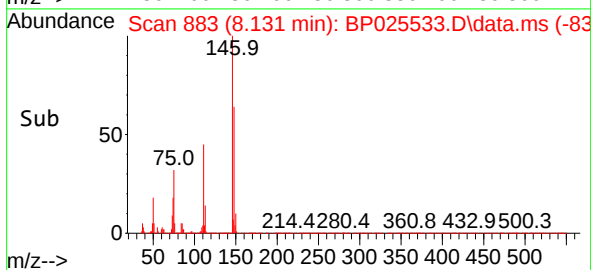
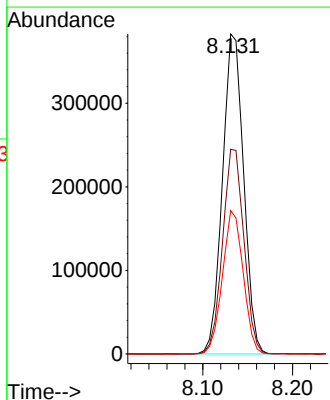
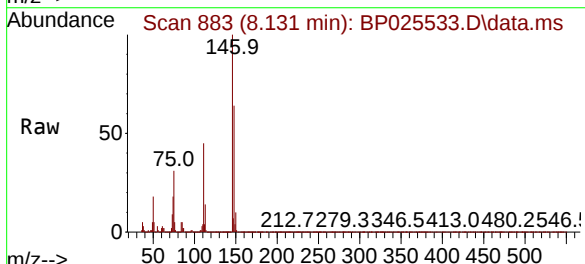
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

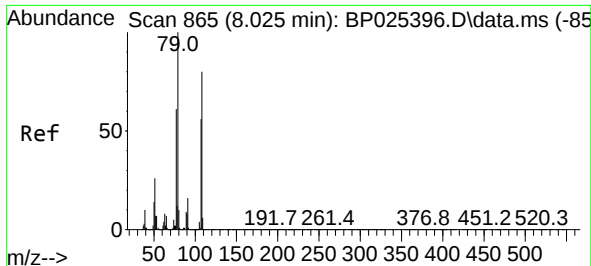
Tgt Ion:146 Resp: 653240
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
111 43.0 33.4 50.0



#14
1,2-Dichlorobenzene
Concen: 44.147 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:146 Resp: 627925
Ion Ratio Lower Upper
146 100
148 63.9 50.4 75.6
111 44.8 34.5 51.7

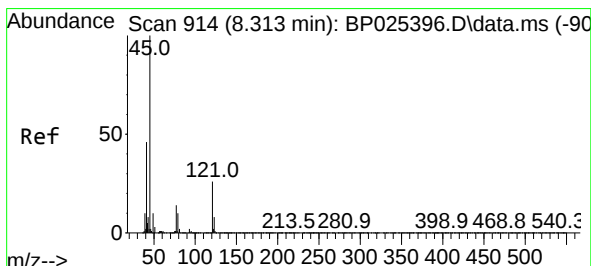
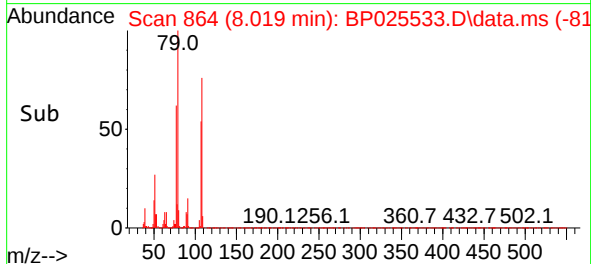
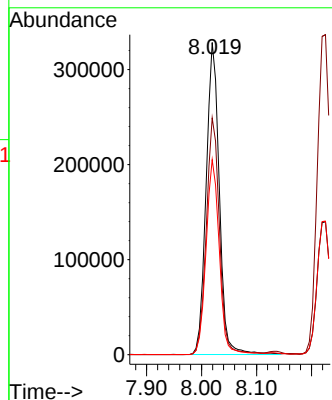
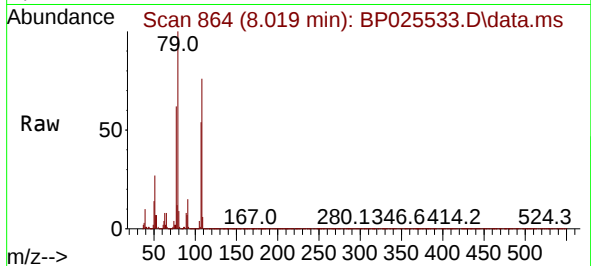




#15
Benzyl Alcohol
Concen: 46.463 ng
RT: 8.019 min Scan# 864
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

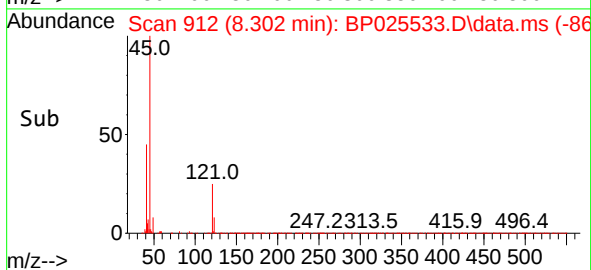
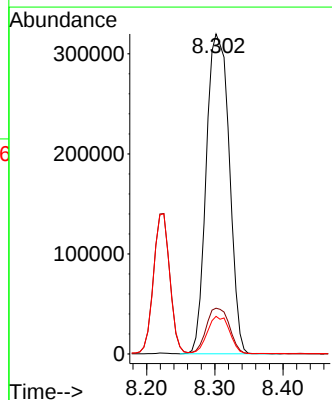
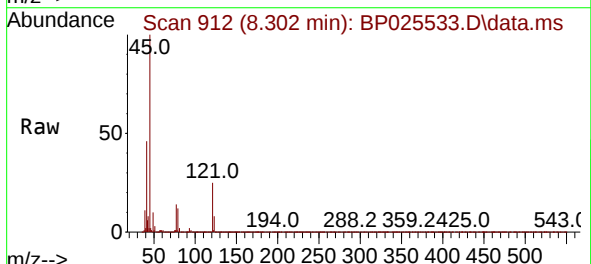
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

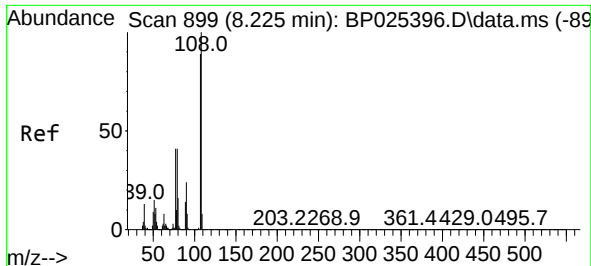
Tgt Ion: 79 Resp: 546838
Ion Ratio Lower Upper
79 100
108 75.9 63.8 95.6
77 62.5 49.0 73.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.104 ng
RT: 8.302 min Scan# 912
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 45 Resp: 748184
Ion Ratio Lower Upper
45 100
77 14.3 0.0 35.3
79 11.7 0.0 31.8

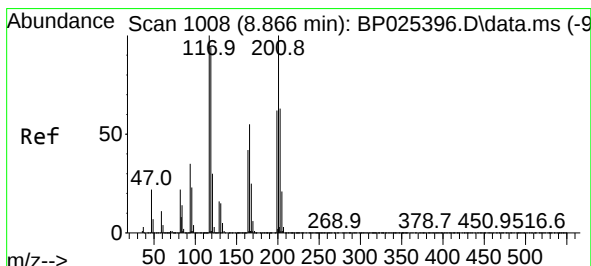
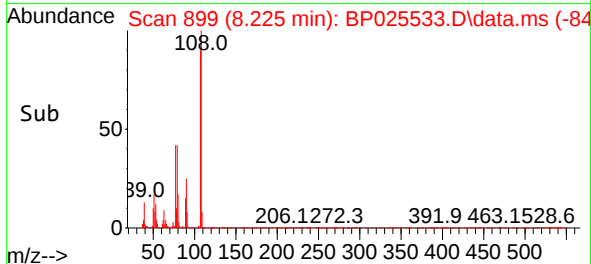
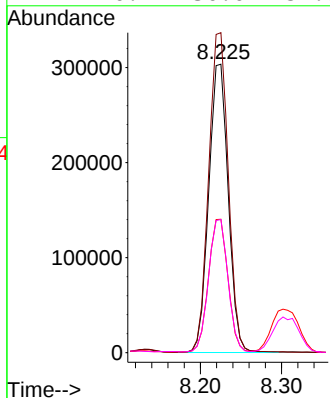
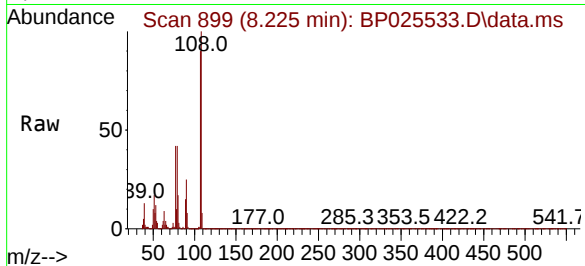




#17
2-Methylphenol
Concen: 46.864 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

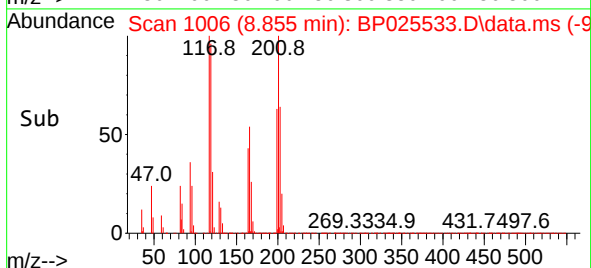
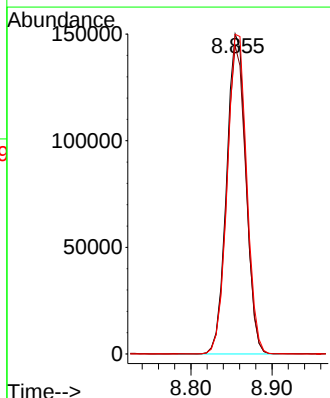
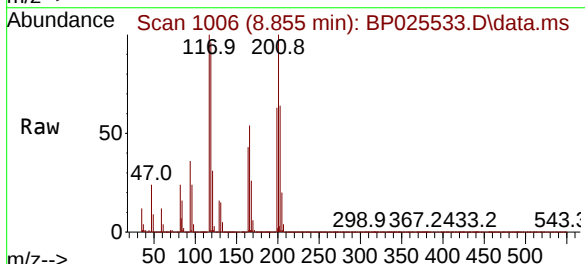
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:	107	Resp:	505883
Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.4	134.0
77	46.3	36.3	54.5
79	46.1	36.6	54.8



#18
Hexachloroethane
Concen: 46.034 ng
RT: 8.855 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:	117	Resp:	248697
Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.1	112.7
201	99.9	80.1	120.1





#19

n-Nitroso-di-n-propylamine

Concen: 42.699 ng

RT: 8.578 min Scan# 91

Delta R.T. -0.012 min

Lab File: BP025533.D

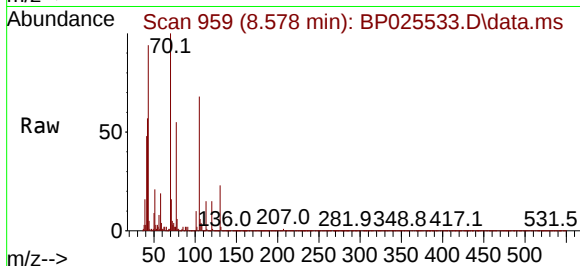
Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD



Tgt Ion: 70 Resp: 418932

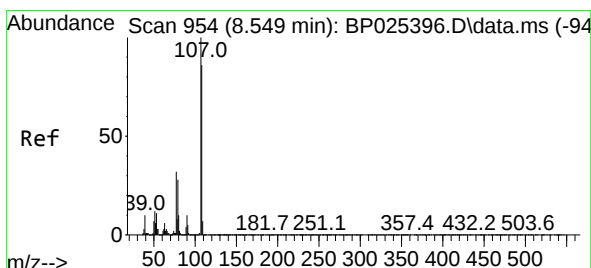
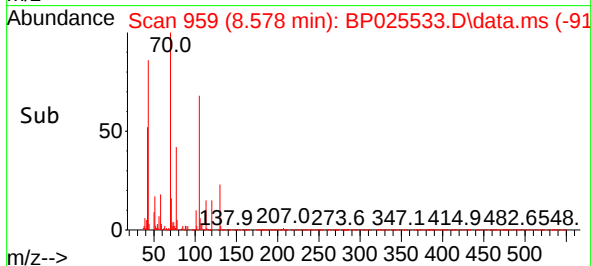
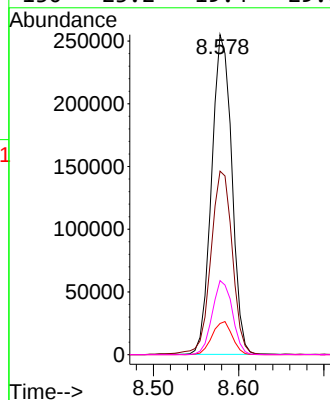
Ion Ratio Lower Upper

70 100

42 57.4 43.8 65.6

101 9.8 8.5 12.7

130 23.2 19.4 29.0



#20

3+4-Methylphenols

Concen: 45.744 ng

RT: 8.543 min Scan# 953

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Tgt Ion: 107 Resp: 684478

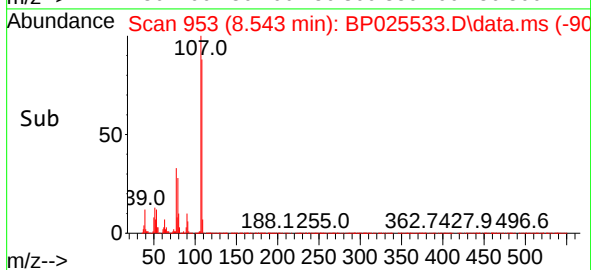
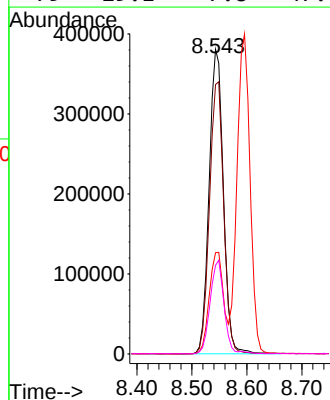
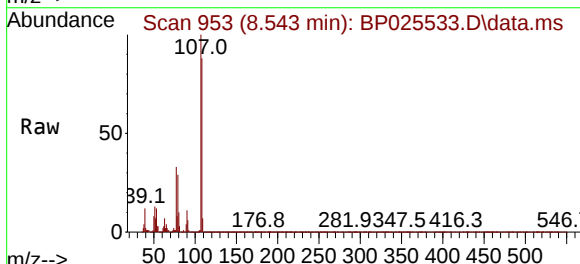
Ion Ratio Lower Upper

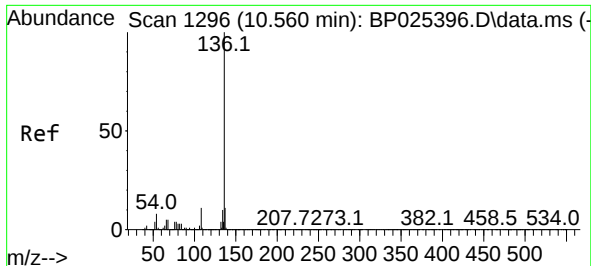
107 100

108 88.5 66.3 106.3

77 33.2 12.3 52.3

79 29.1 7.8 47.8

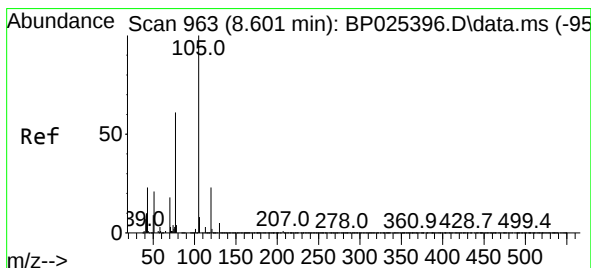
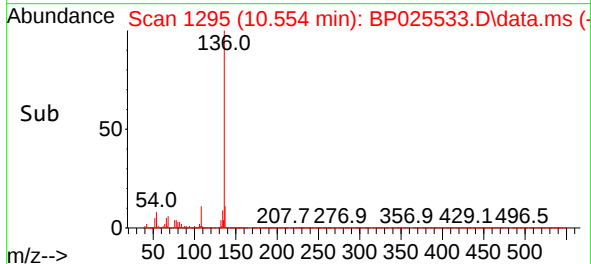
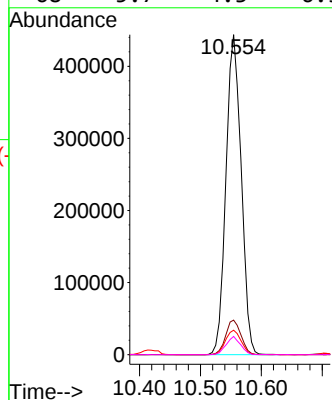
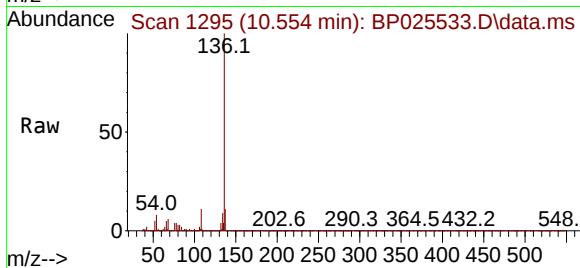




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

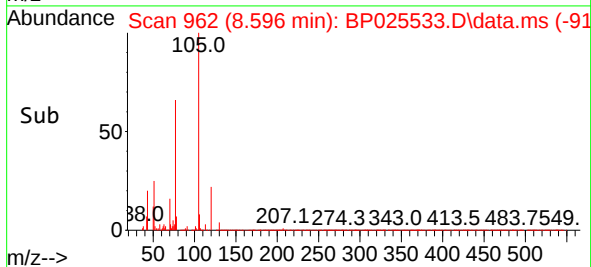
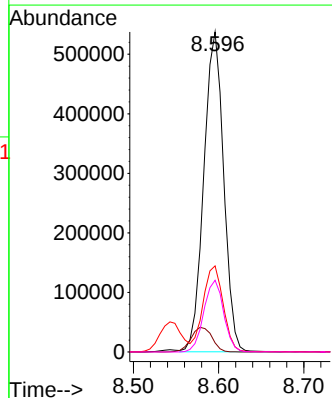
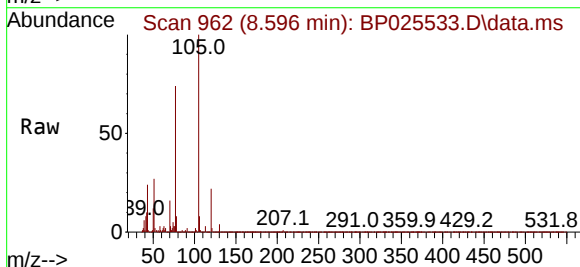
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

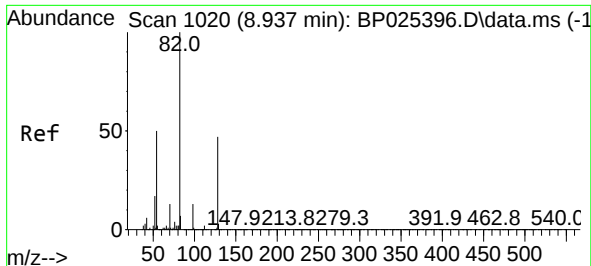
Tgt Ion:	136	Resp:	771458
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5



#22
Acetophenone
Concen: 44.901 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:	105	Resp:	868679
Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.6	4.0
51	26.9	20.6	30.8
120	22.4	18.6	27.8

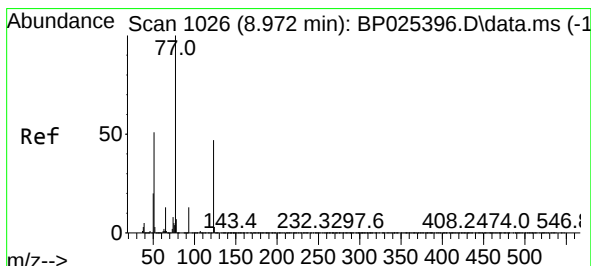
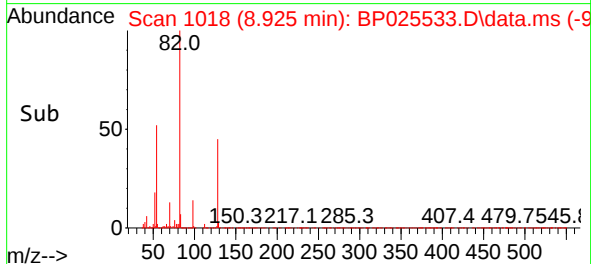
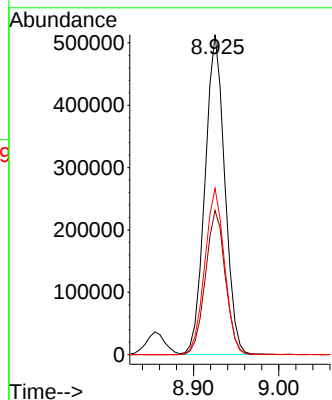
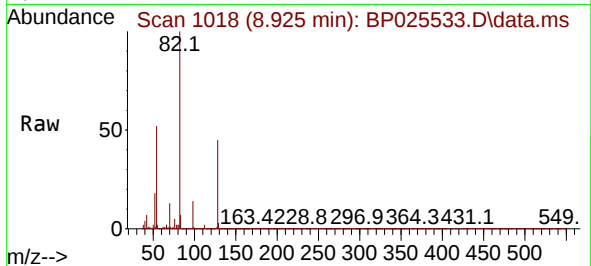




#23
Nitrobenzene-d5
Concen: 54.243 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

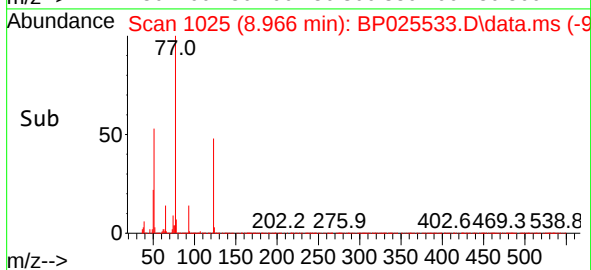
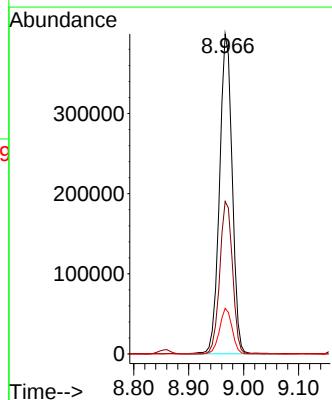
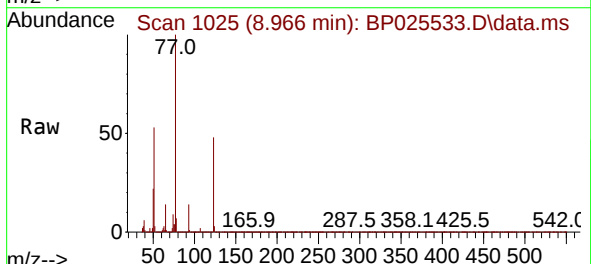
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

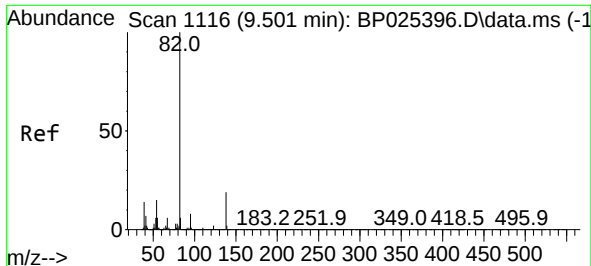
Tgt Ion: 82 Resp: 827232
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 51.9 39.8 59.6



#24
Nitrobenzene
Concen: 46.828 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 77 Resp: 638246
Ion Ratio Lower Upper
77 100
123 47.7 38.6 58.0
65 14.3 10.6 15.8

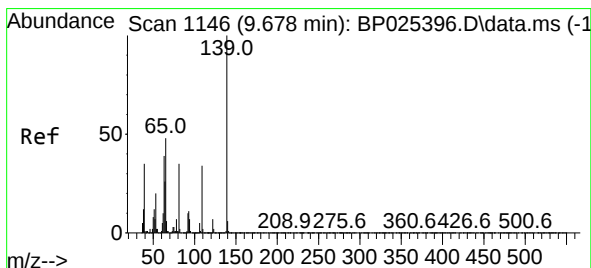
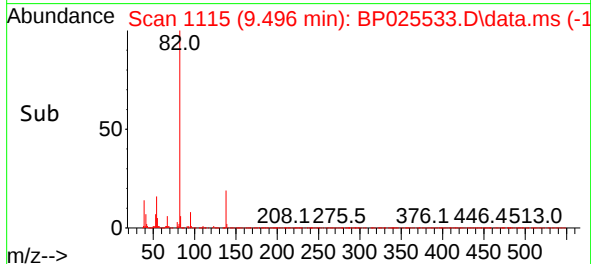
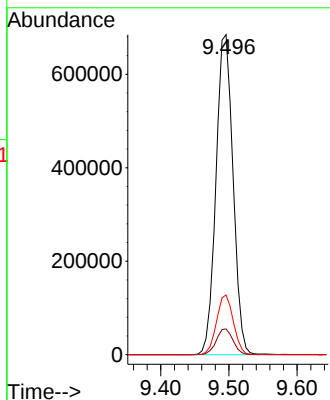
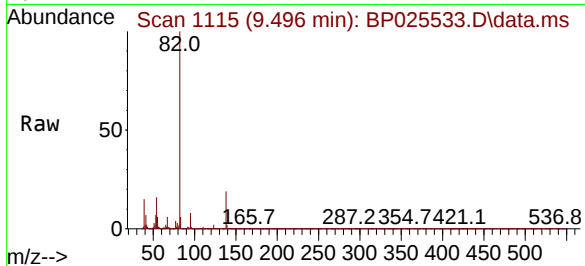




#25
Isophorone
Concen: 44.239 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

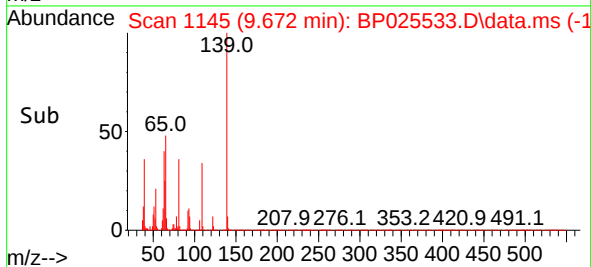
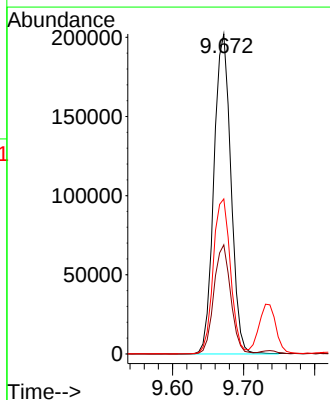
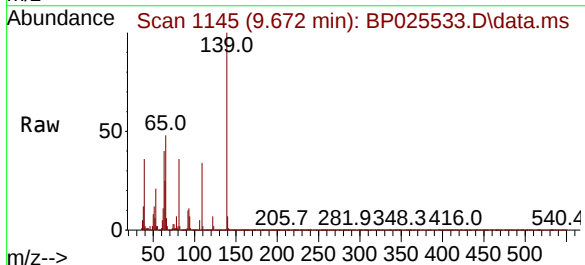
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

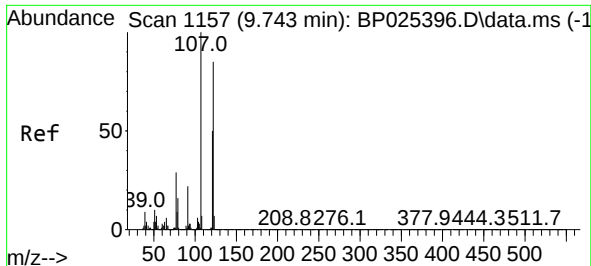
Tgt Ion: 82 Resp: 1193996
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 15.4 23.0



#26
2-Nitrophenol
Concen: 47.774 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:139 Resp: 334169
Ion Ratio Lower Upper
139 100
109 34.1 26.9 40.3
65 48.4 38.3 57.5





#27

2,4-Dimethylphenol

Concen: 40.346 ng

RT: 9.737 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

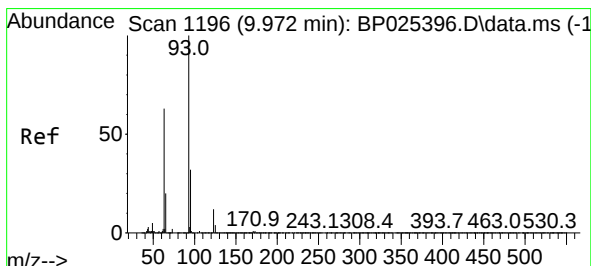
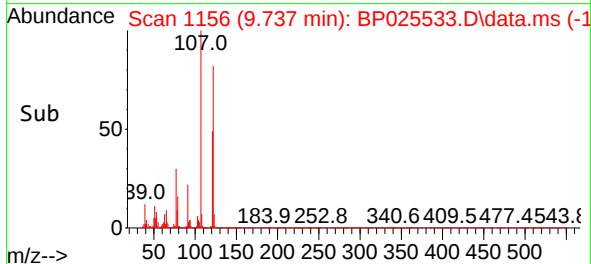
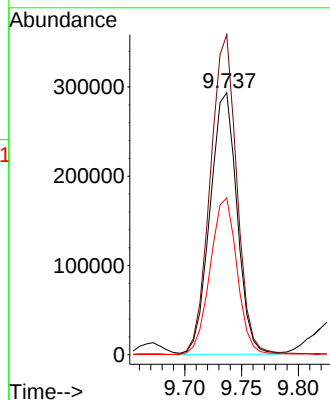
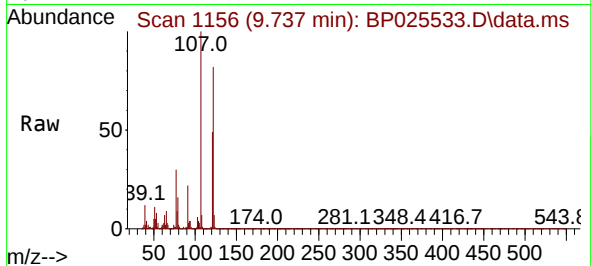
Tgt Ion:122 Resp: 485331

Ion Ratio Lower Upper

122 100

107 122.2 93.7 140.5

121 59.9 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 45.037 ng

RT: 9.966 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

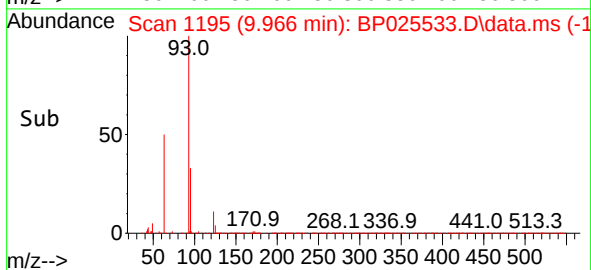
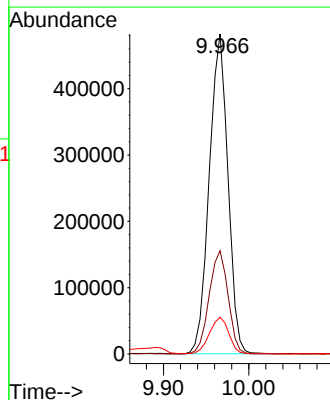
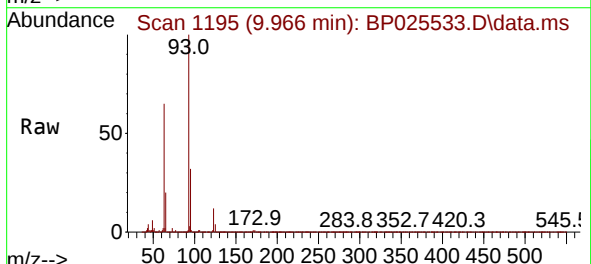
Tgt Ion: 93 Resp: 734758

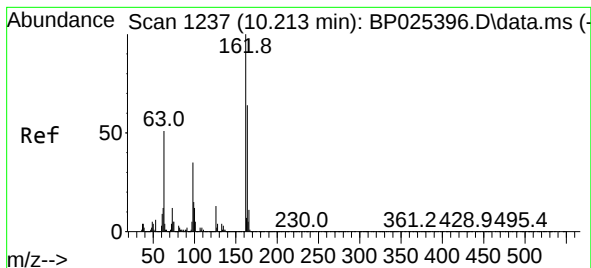
Ion Ratio Lower Upper

93 100

95 32.3 25.4 38.0

123 11.5 9.4 14.0

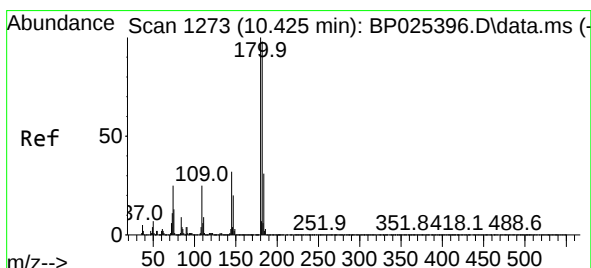
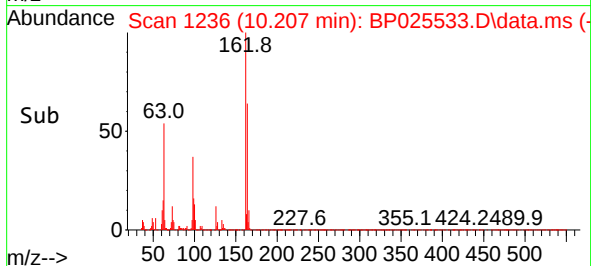
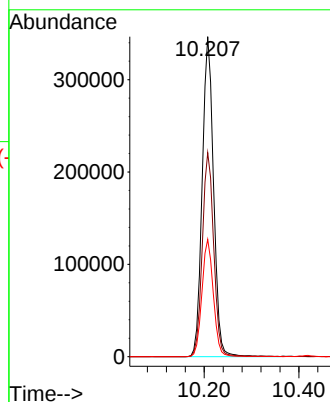
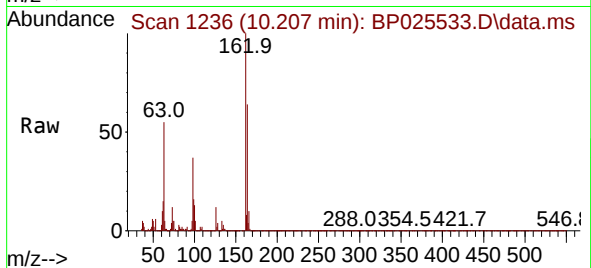




#29
2,4-Dichlorophenol
Concen: 48.088 ng
RT: 10.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

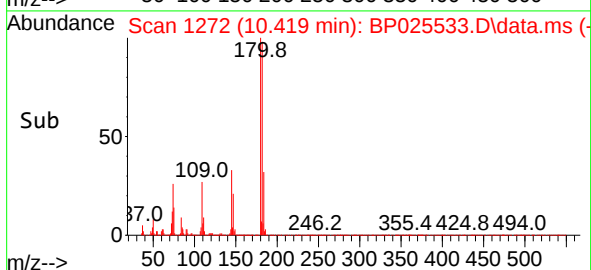
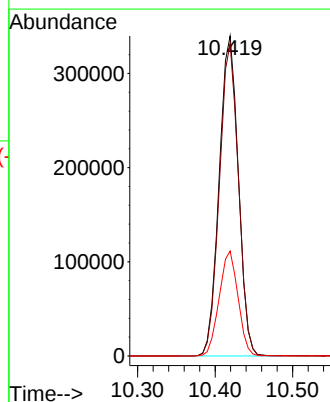
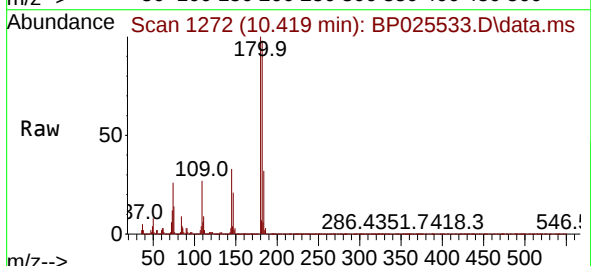
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

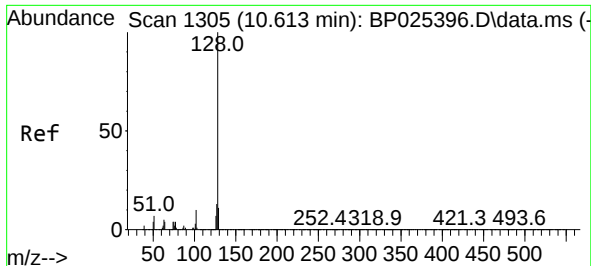
Tgt Ion:162 Resp: 574623
Ion Ratio Lower Upper
162 100
164 63.8 44.4 84.4
98 36.7 14.9 54.9



#30
1,2,4-Trichlorobenzene
Concen: 44.514 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:180 Resp: 583099
Ion Ratio Lower Upper
180 100
182 97.6 78.0 117.0
145 32.8 25.9 38.9

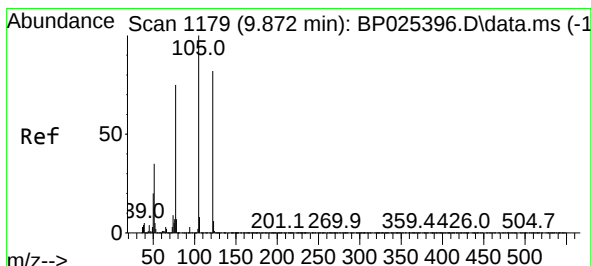
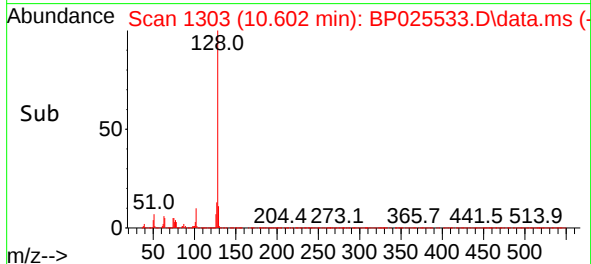
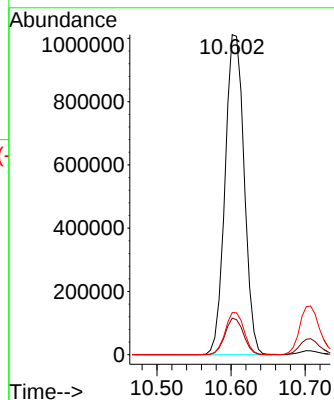
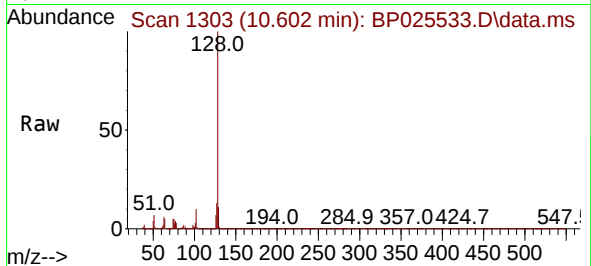




#31
Naphthalene
Concen: 44.996 ng
RT: 10.602 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

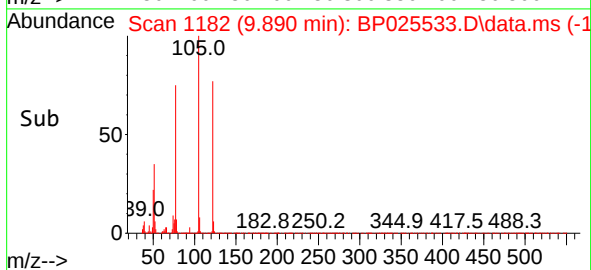
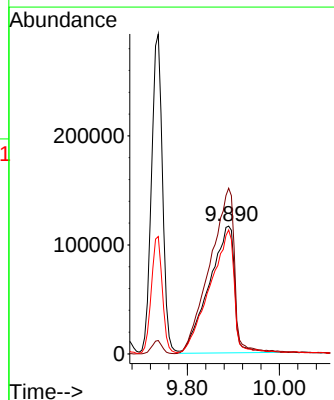
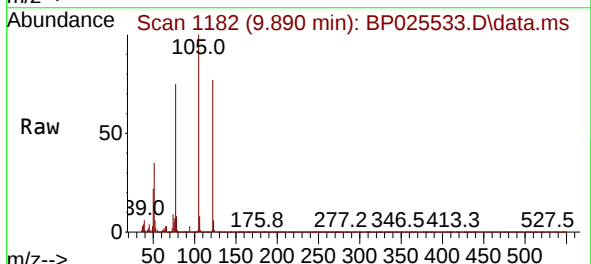
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

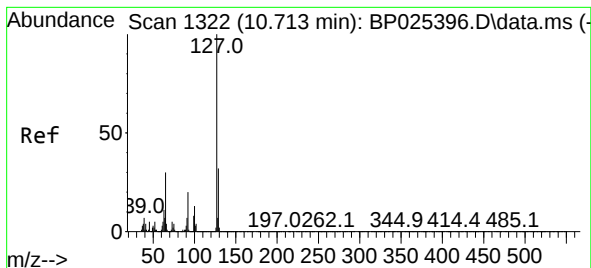
Tgt Ion:128 Resp: 1804204
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 50.144 ng
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:122 Resp: 445313
Ion Ratio Lower Upper
122 100
105 129.6 100.6 140.6
77 97.0 71.5 111.5

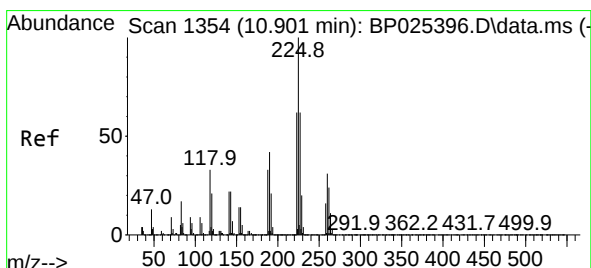
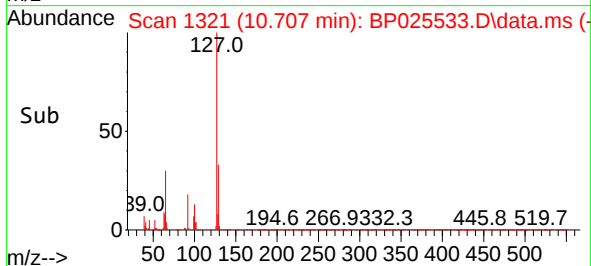
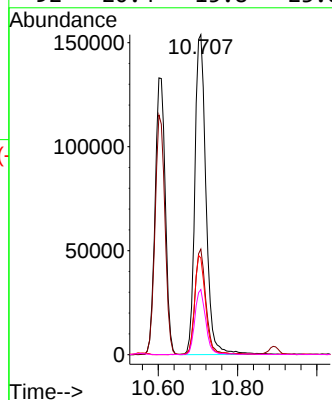
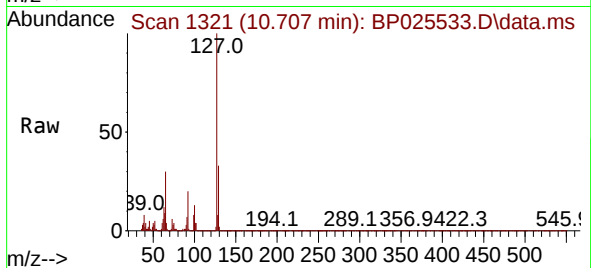




#33
4-Chloroaniline
Concen: 16.941 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

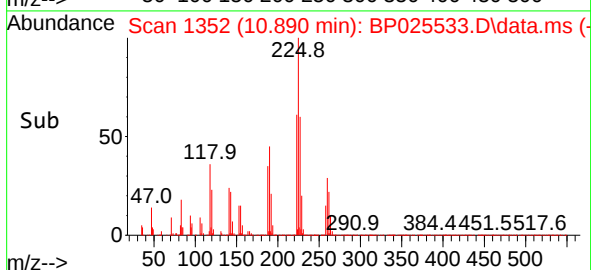
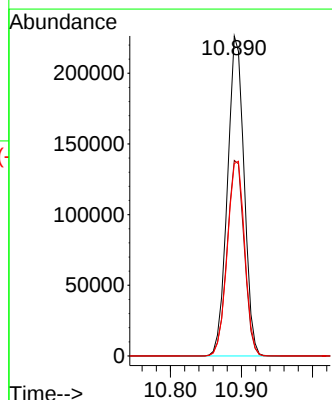
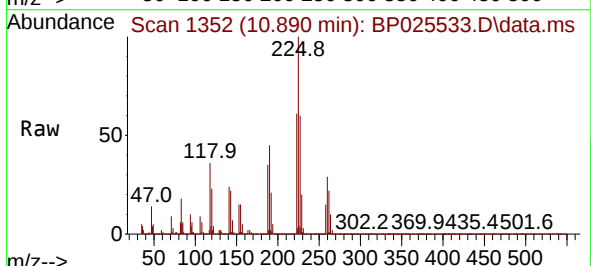
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

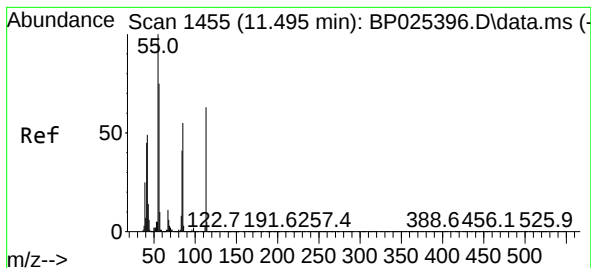
Tgt Ion:	127	Resp:	300058
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.2
65	30.2	23.8	35.6
92	20.4	15.8	23.8



#34
Hexachlorobutadiene
Concen: 45.042 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:	225	Resp:	367445
Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.0	75.0
227	60.1	49.7	74.5

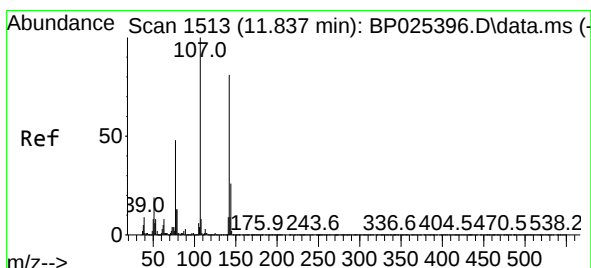
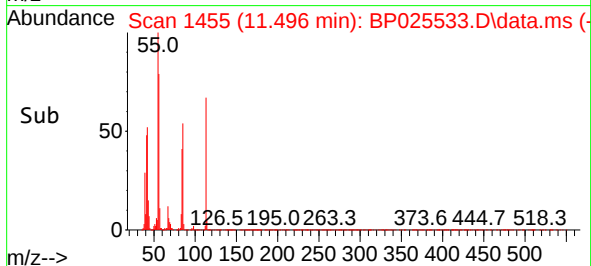
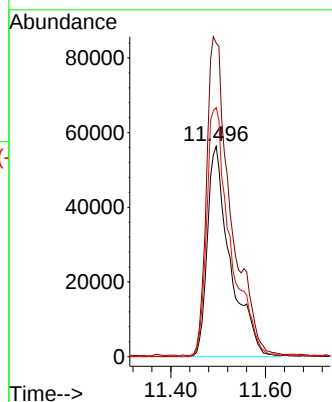
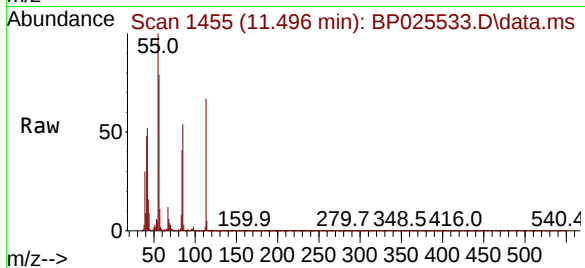




#35
 Caprolactam
 Concen: 43.129 ng
 RT: 11.496 min Scan# 1455
 Delta R.T. 0.000 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

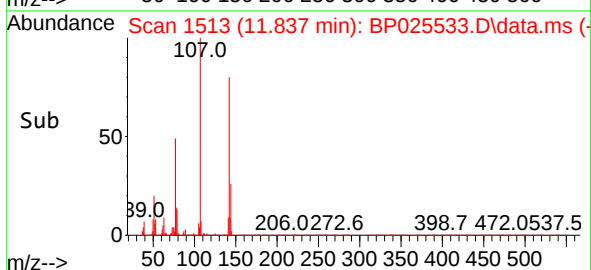
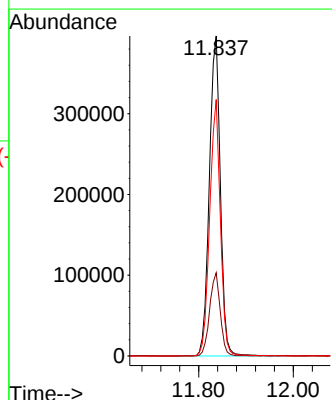
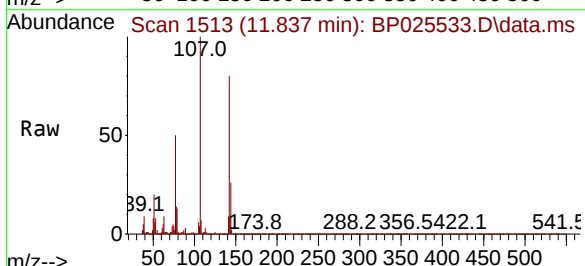
Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

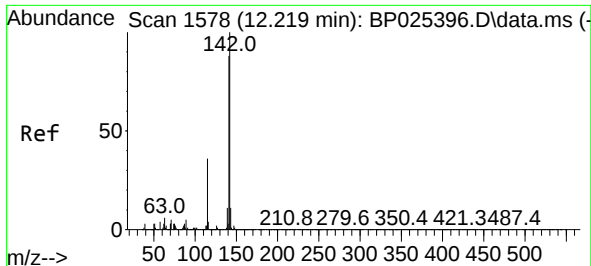
Tgt Ion:113 Resp: 188979
 Ion Ratio Lower Upper
 113 100
 55 149.2 140.0 180.0
 56 118.4 100.0 140.0



#36
 4-Chloro-3-methylphenol
 Concen: 46.596 ng
 RT: 11.837 min Scan# 1513
 Delta R.T. 0.000 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

Tgt Ion:107 Resp: 638909
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.0 31.4
 142 80.1 64.6 97.0

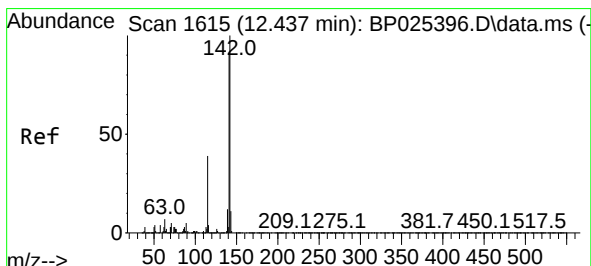
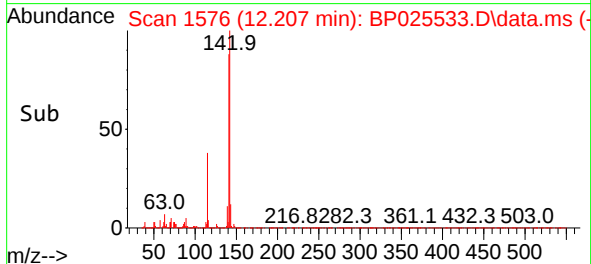
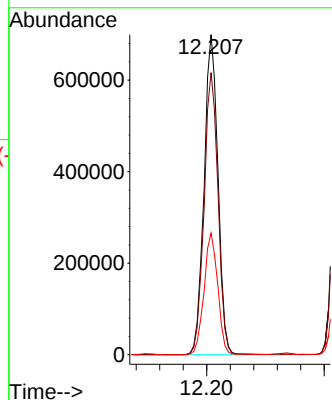
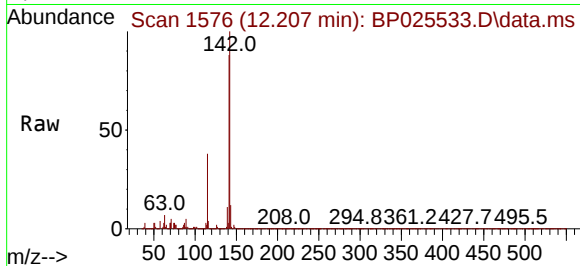




#37
2-Methylnaphthalene
Concen: 44.083 ng
RT: 12.207 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

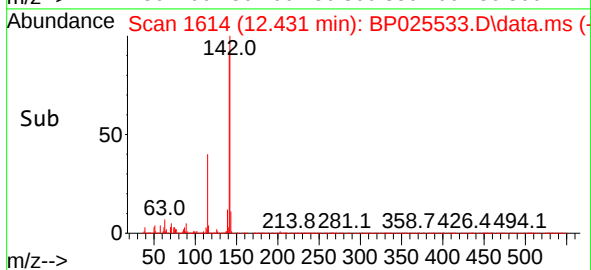
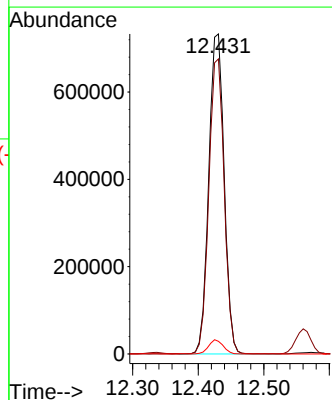
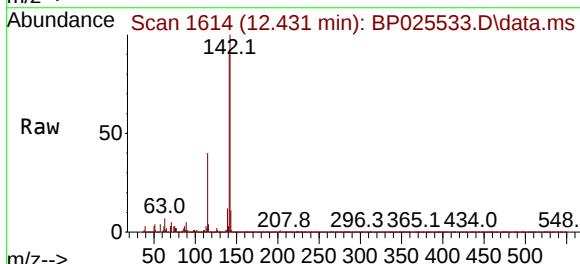
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

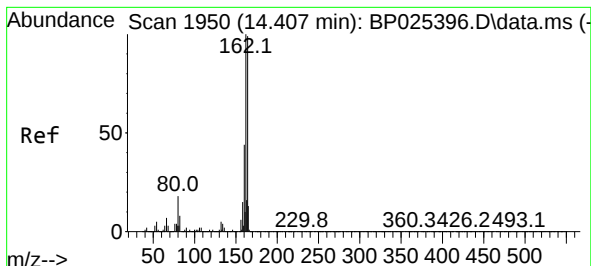
Tgt Ion:142 Resp: 1150302
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 38.0 28.9 43.3



#38
1-Methylnaphthalene
Concen: 43.105 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:142 Resp: 1196163
Ion Ratio Lower Upper
142 100
141 92.2 73.1 109.7
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.395 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

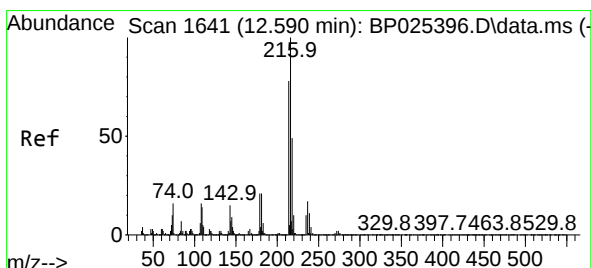
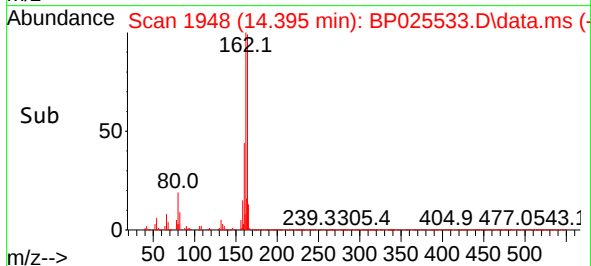
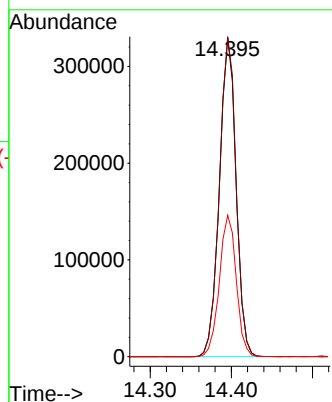
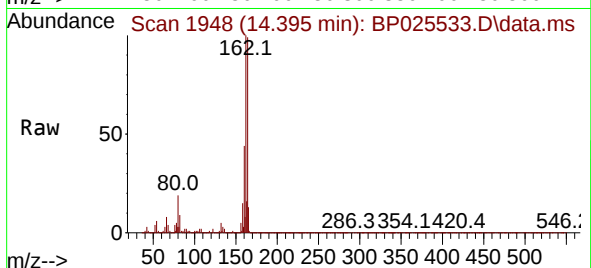
Tgt Ion:164 Resp: 470940

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.6

160 44.4 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.350 ng

RT: 12.578 min Scan# 1639

Delta R.T. -0.012 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Tgt Ion:216 Resp: 644021

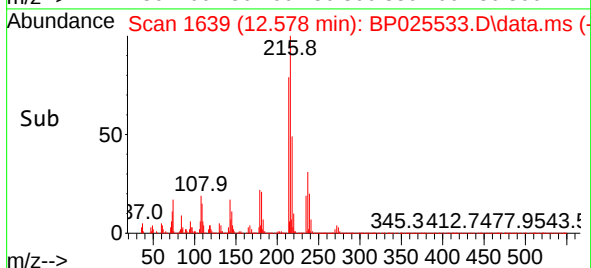
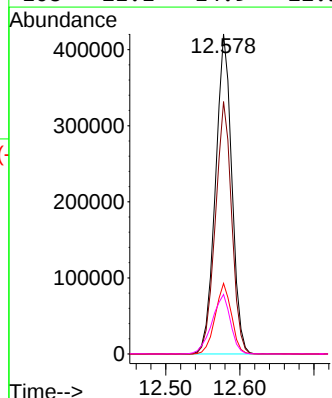
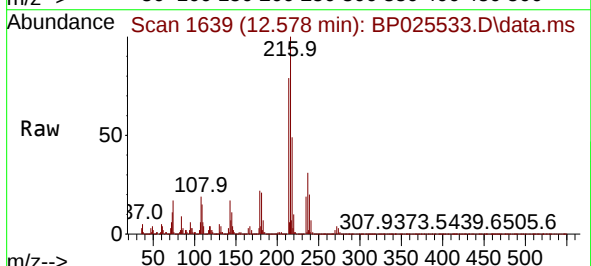
Ion Ratio Lower Upper

216 100

214 78.5 63.0 94.4

179 21.8 17.1 25.7

108 21.1 14.9 22.3

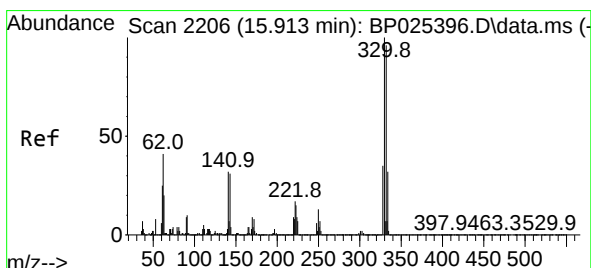
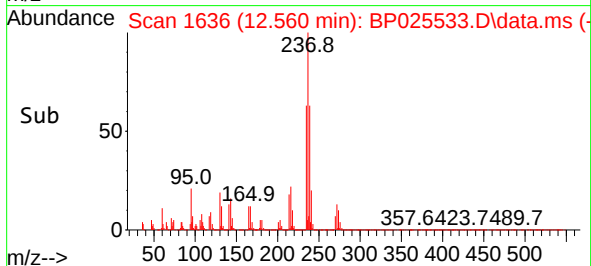
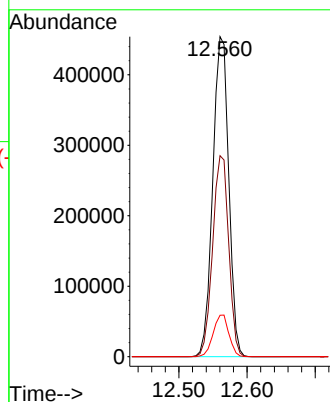
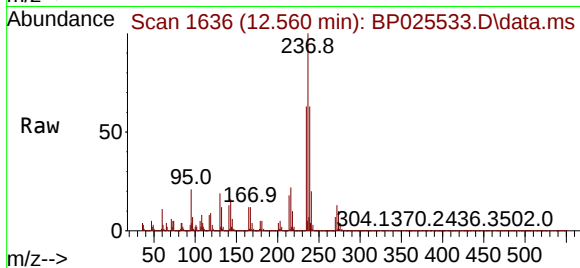




#41
Hexachlorocyclopentadiene
Concen: 89.929 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

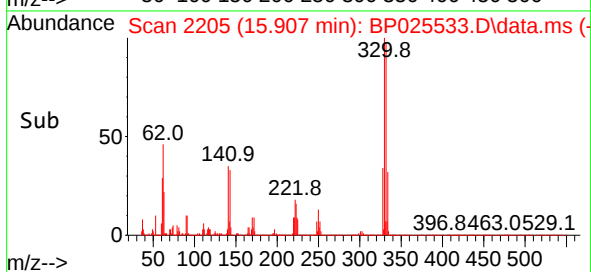
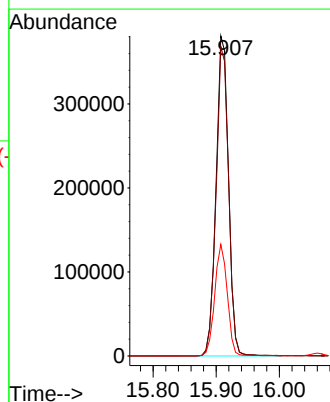
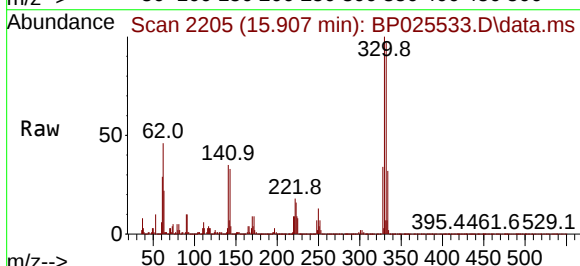
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

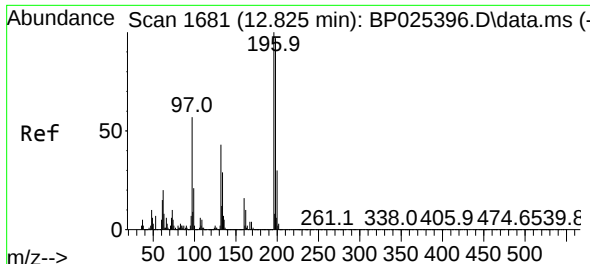
Tgt Ion:237 Resp: 738833
Ion Ratio Lower Upper
237 100
235 62.8 42.7 82.7
272 12.9 0.0 34.0



#42
2,4,6-Tribromophenol
Concen: 82.433 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:330 Resp: 522534
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 35.1 26.6 39.8

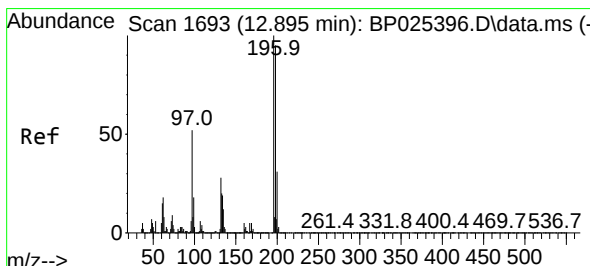
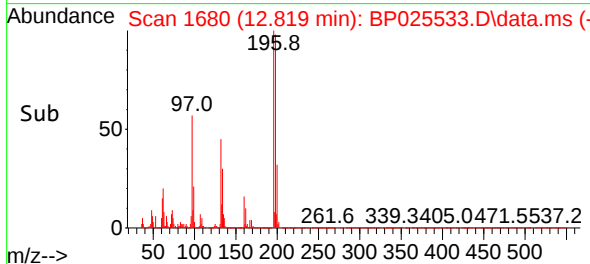
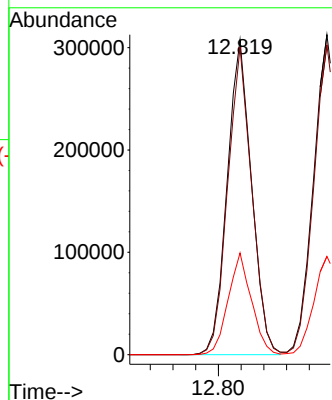
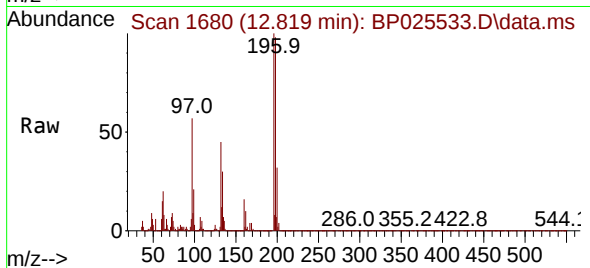




#43
2,4,6-Trichlorophenol
Concen: 49.875 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

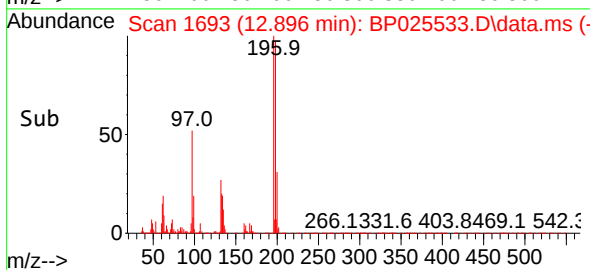
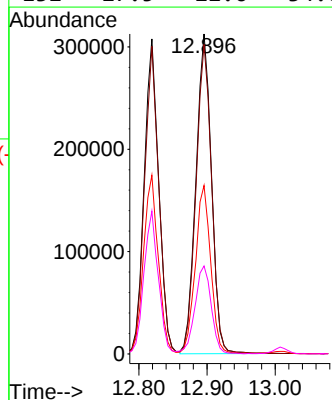
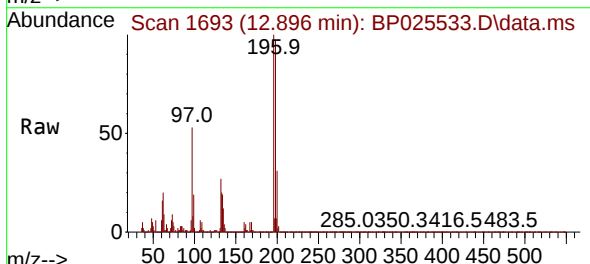
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

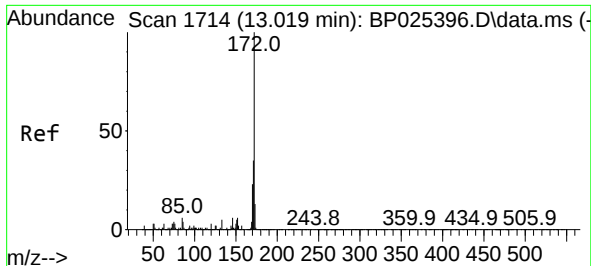
Tgt Ion:196 Resp: 457973
Ion Ratio Lower Upper
196 100
198 97.7 77.2 115.8
200 32.3 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 49.411 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:196 Resp: 497251
Ion Ratio Lower Upper
196 100
198 96.7 76.2 114.2
97 52.7 41.2 61.8
132 27.5 22.6 34.0

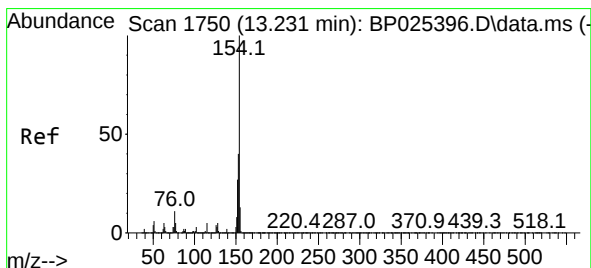
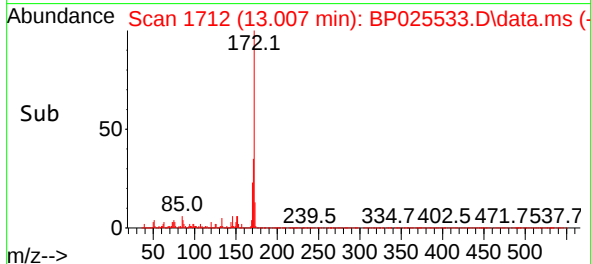
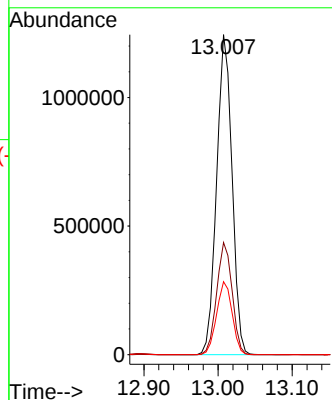
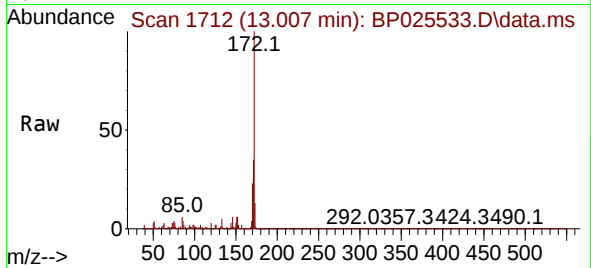




#45
2-Fluorobiphenyl
Concen: 51.997 ng
RT: 13.007 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

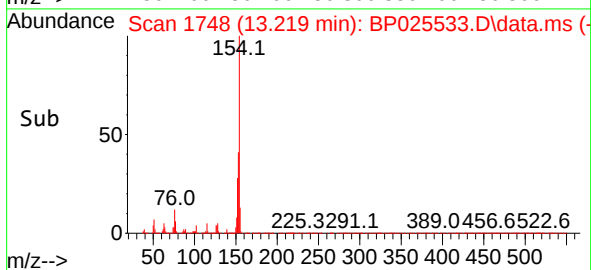
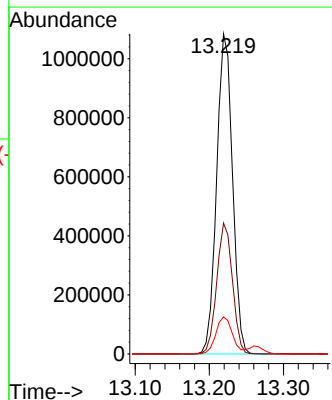
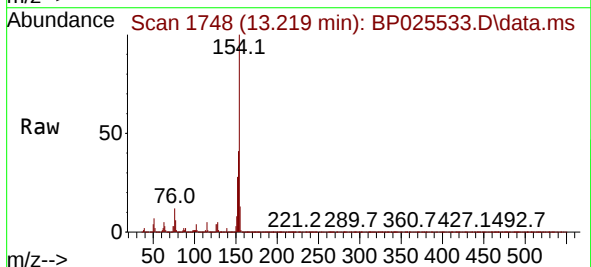
Instrument :
BNA_P
ClientSampleId :
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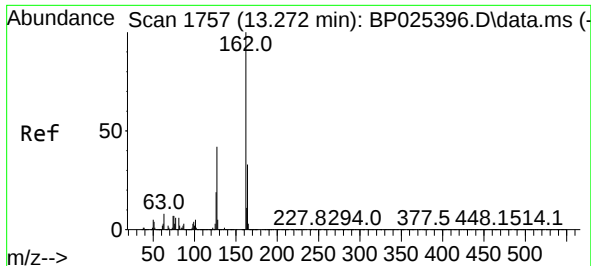
Tgt Ion:172 Resp: 1791736
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.8 18.6 28.0



#46
1,1'-Biphenyl
Concen: 47.056 ng
RT: 13.219 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:154 Resp: 1609444
Ion Ratio Lower Upper
154 100
153 40.9 19.5 59.5
76 11.6 0.0 31.1

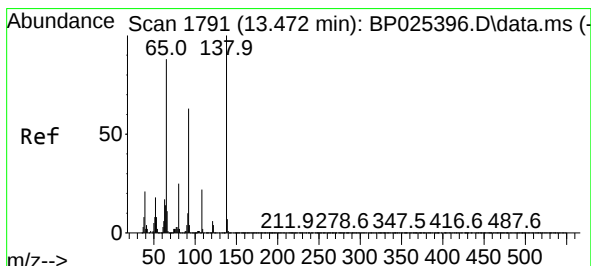
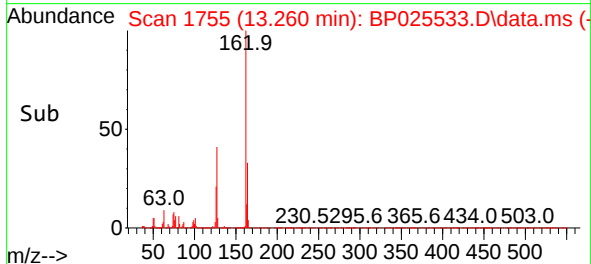
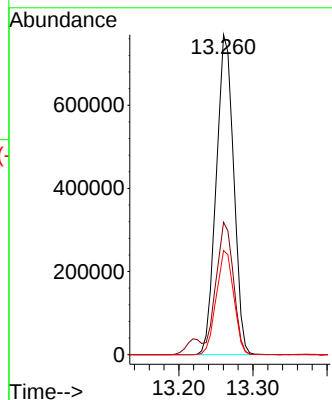
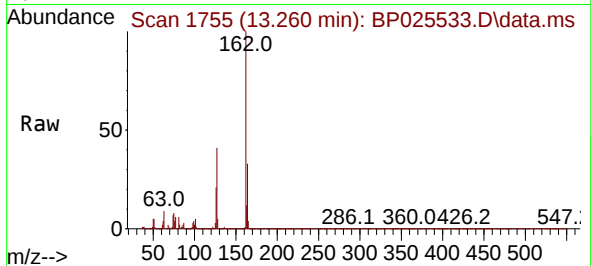




#47
2-Chloronaphthalene
Concen: 47.294 ng
RT: 13.260 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

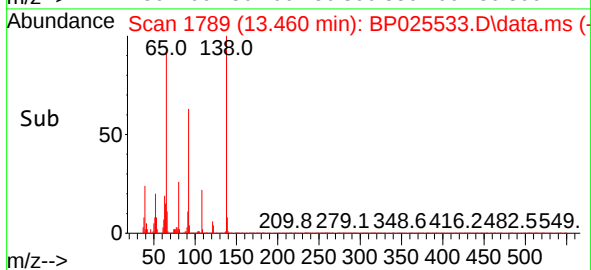
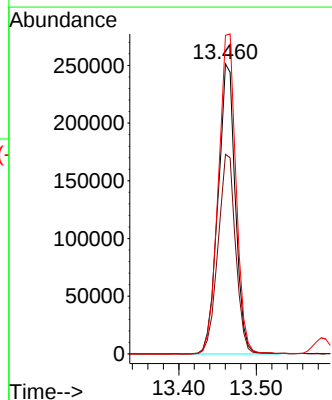
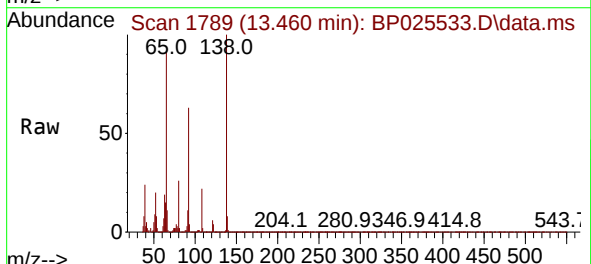
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

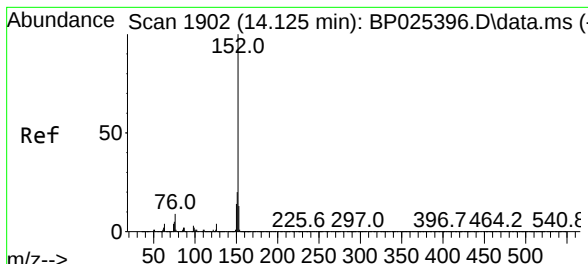
Tgt Ion:162 Resp: 1259254
Ion Ratio Lower Upper
162 100
127 41.4 33.4 50.2
164 32.5 26.2 39.2



#48
2-Nitroaniline
Concen: 50.341 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 65 Resp: 390555
Ion Ratio Lower Upper
65 100
92 68.8 57.6 86.4
138 109.9 91.0 136.6



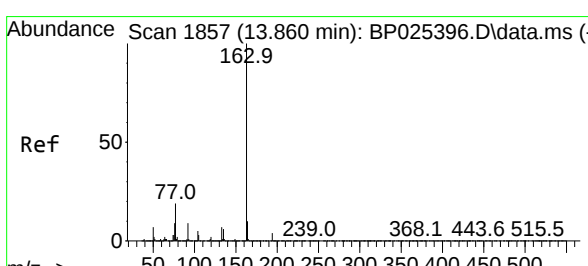
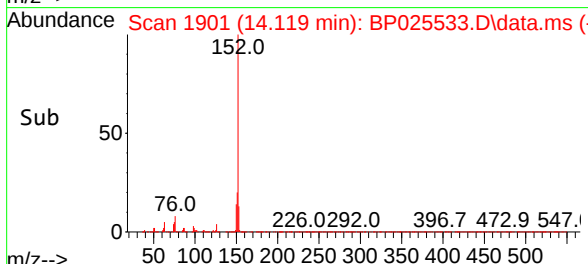
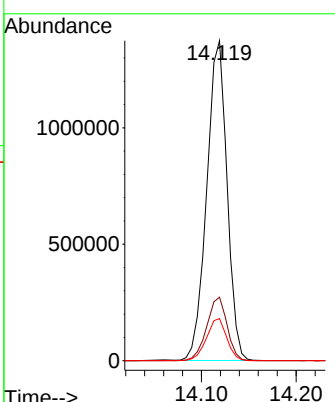
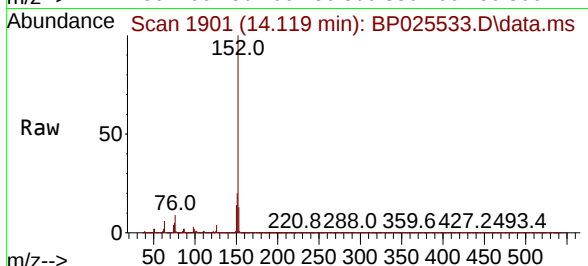


#49
 Acenaphthylene
 Concen: 46.405 ng
 RT: 14.119 min Scan# 1901
 Delta R.T. -0.006 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

Instrument : BNA_P
 ClientSampleId : DRILL CUTTING 1-3 COMPMSD

Tgt Ion:152 Resp: 2044565

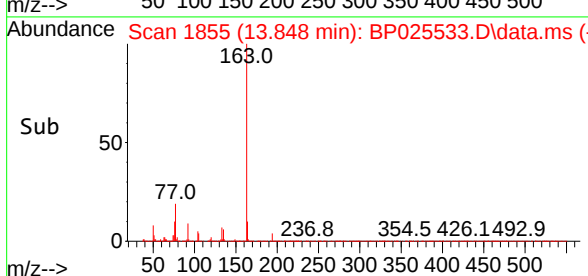
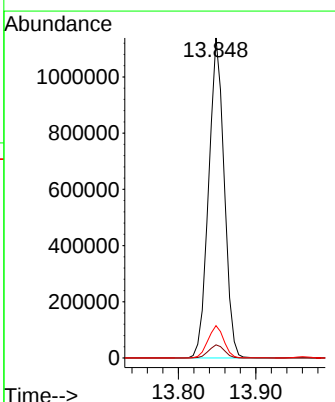
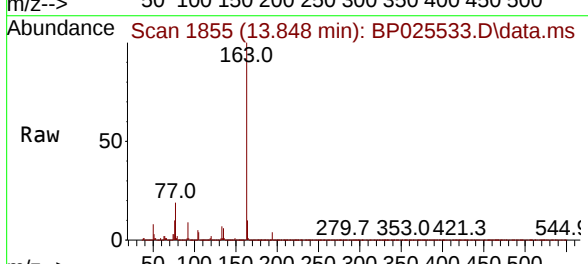
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.2	10.6	15.8

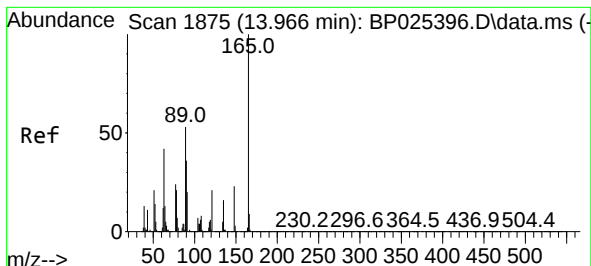


#50
 Dimethylphthalate
 Concen: 45.994 ng
 RT: 13.848 min Scan# 1855
 Delta R.T. -0.012 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

Tgt Ion:163 Resp: 1586170

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

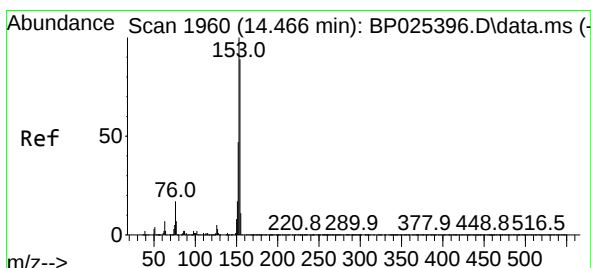
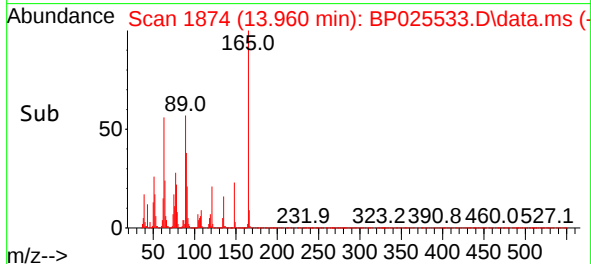
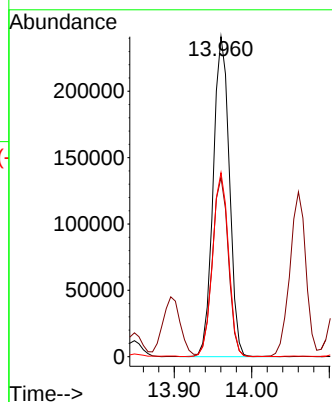
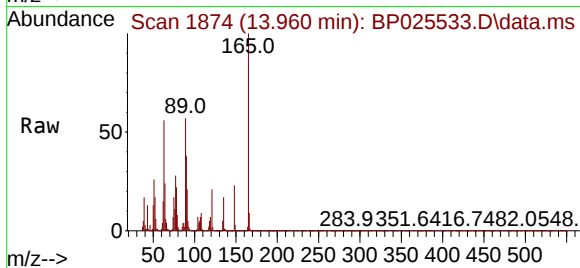




#51
2,6-Dinitrotoluene
Concen: 48.070 ng
RT: 13.960 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

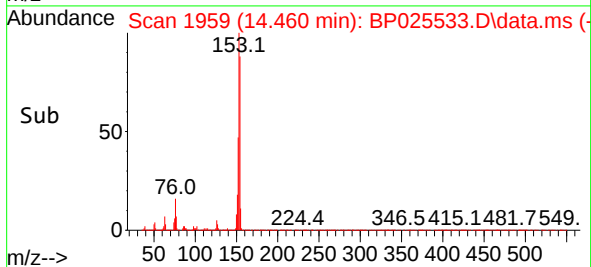
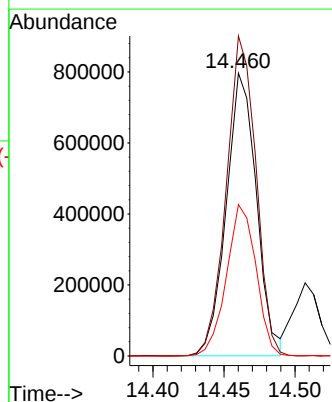
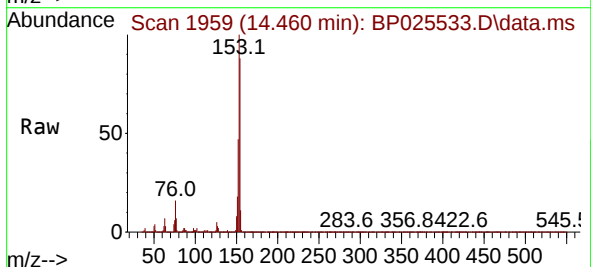
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

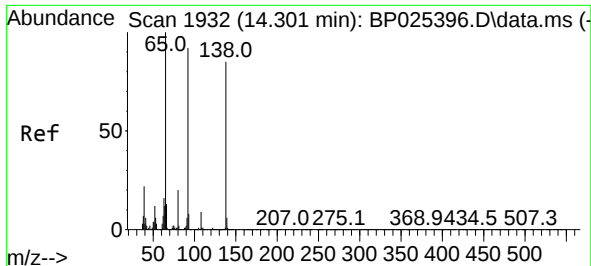
Tgt Ion:165 Resp: 349407
Ion Ratio Lower Upper
165 100
63 56.0 40.9 61.3
89 57.5 42.1 63.1



#52
Acenaphthene
Concen: 45.570 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:154 Resp: 1178511
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.2
152 53.5 42.1 63.1

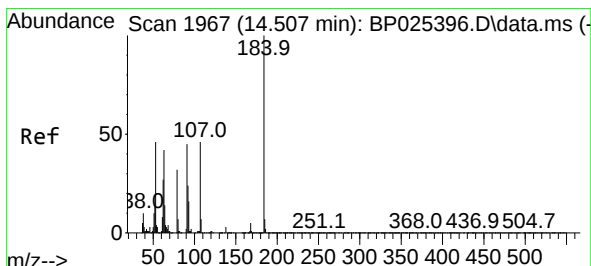
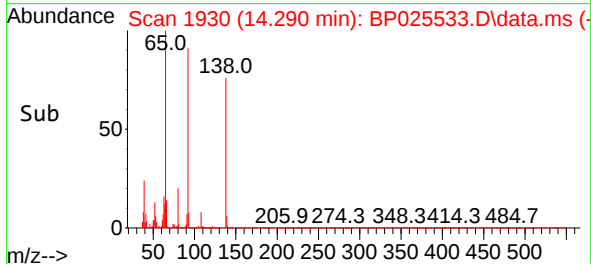
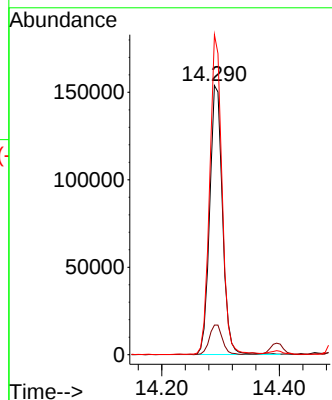
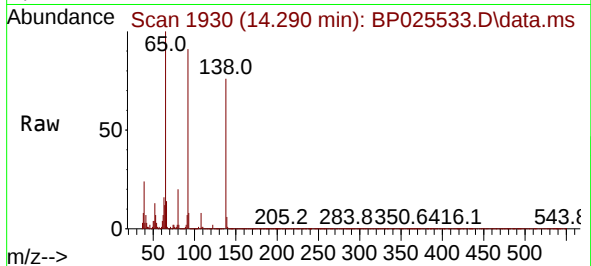




#53
3-Nitroaniline
Concen: 28.467 ng
RT: 14.290 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

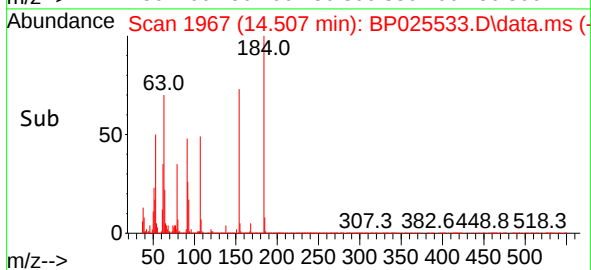
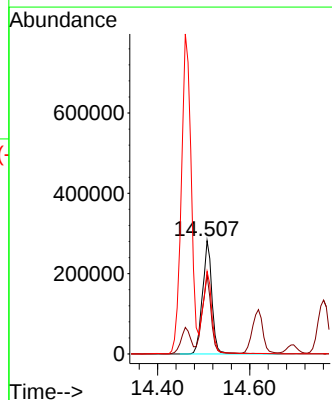
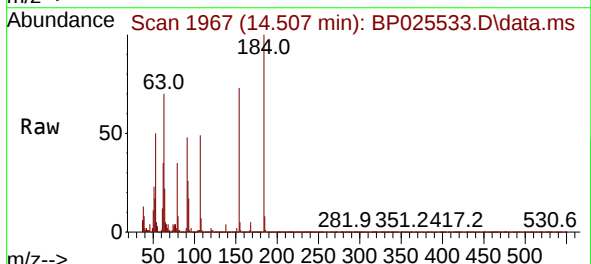
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

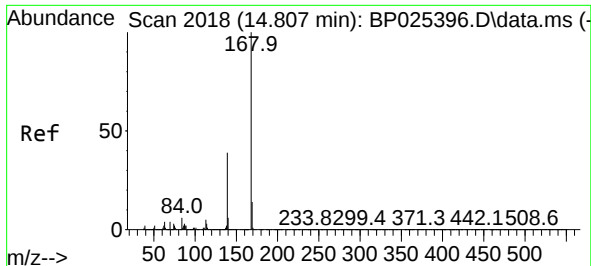
Tgt Ion:138 Resp: 232805
Ion Ratio Lower Upper
138 100
108 11.0 8.3 12.5
92 118.9 86.2 129.2



#54
2,4-Dinitrophenol
Concen: 104.455 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:184 Resp: 405464
Ion Ratio Lower Upper
184 100
63 69.7 49.4 74.2
154 73.0 54.6 82.0

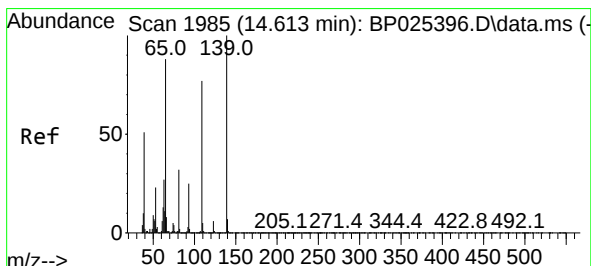
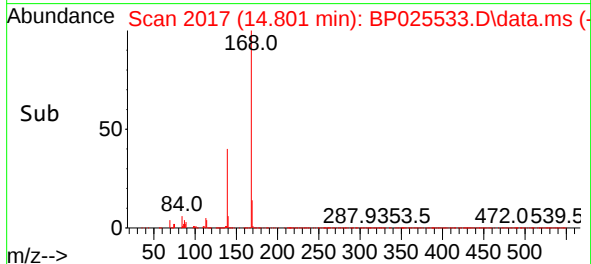
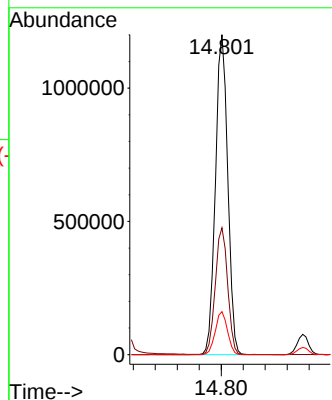
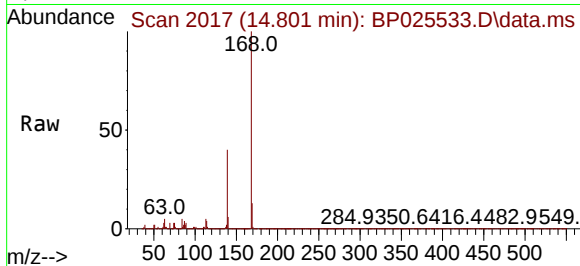




#55
Dibenzenofuran
Concen: 45.673 ng
RT: 14.801 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

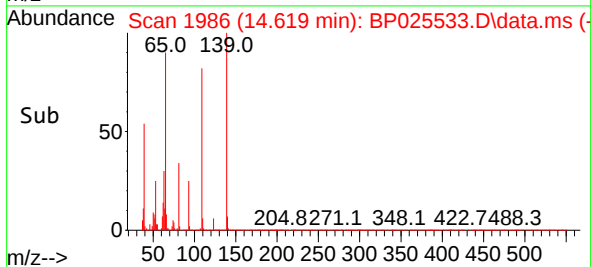
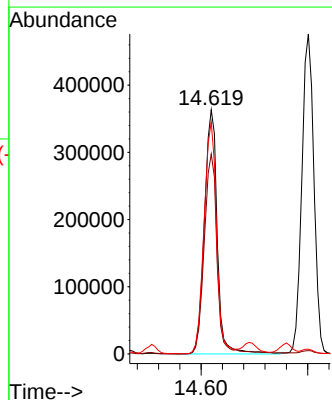
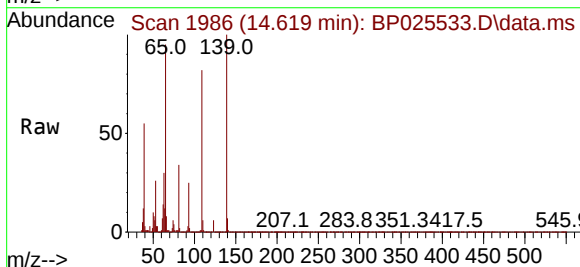
Instrument :
BNA_P
ClientSampleId :
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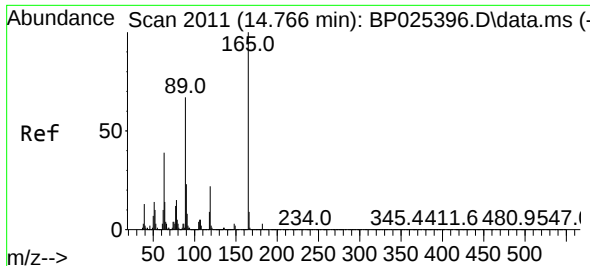
Tgt Ion:168 Resp: 1867468
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 90.272 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:139 Resp: 606646
Ion Ratio Lower Upper
139 100
109 81.9 56.6 96.6
65 95.0 68.2 108.2

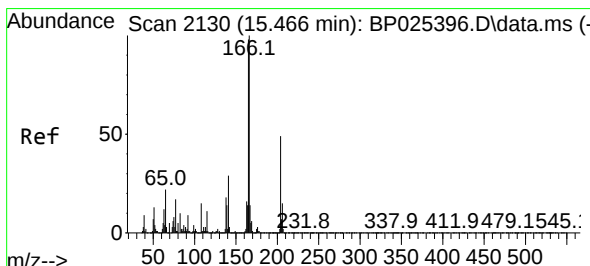
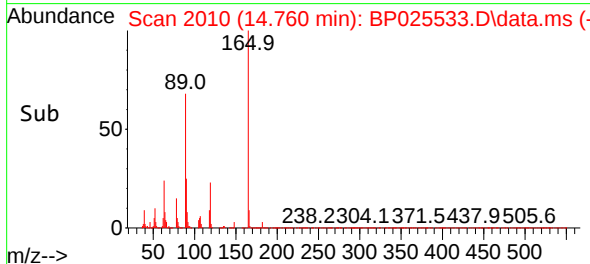
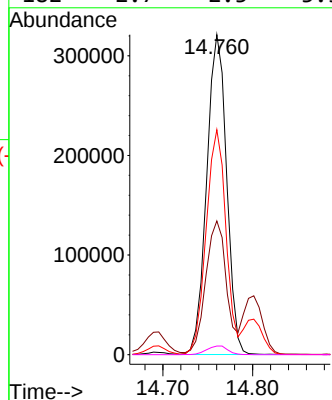
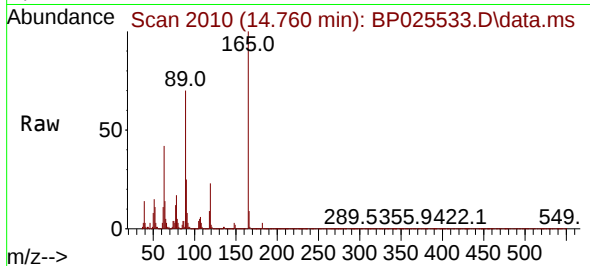




#57
2,4-Dinitrotoluene
Concen: 47.667 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

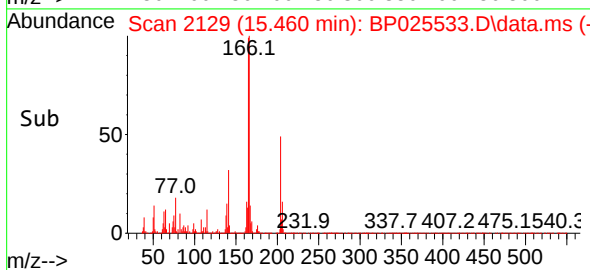
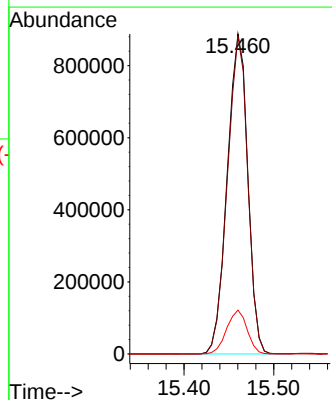
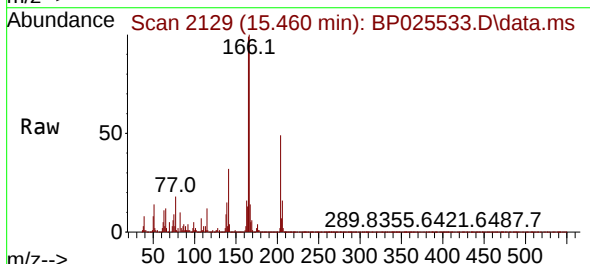
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

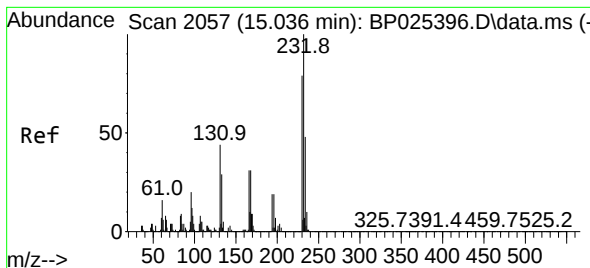
Tgt Ion:	165	Resp:	494343
Ion	Ratio	Lower	Upper
165	100		
63	41.8	31.4	47.2
89	70.3	53.3	79.9
182	2.7	2.3	3.5



#58
Fluorene
Concen: 43.823 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:	166	Resp:	1413855
Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.8	118.2
167	13.7	11.0	16.4

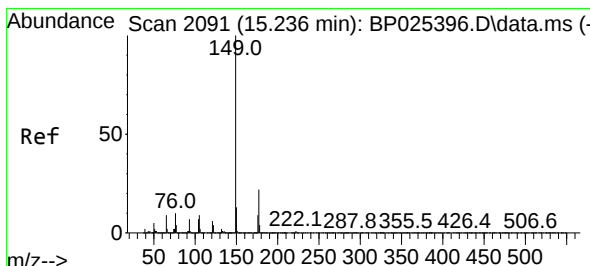
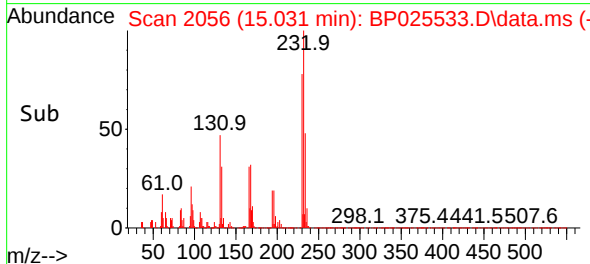
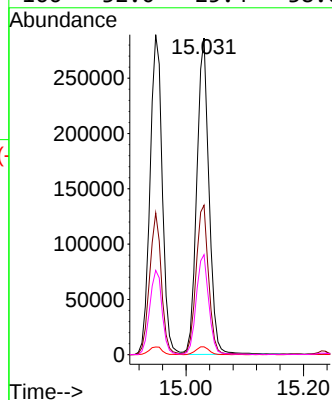
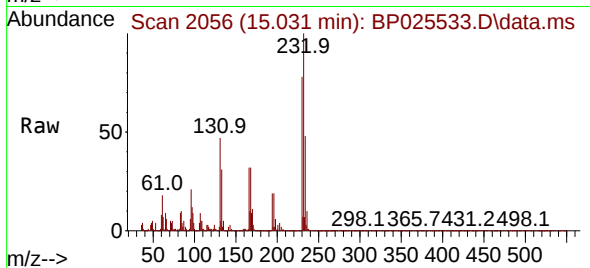




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.303 ng
RT: 15.031 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

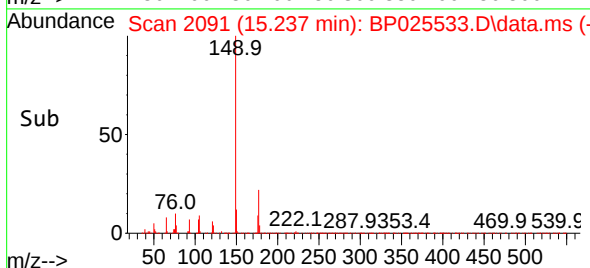
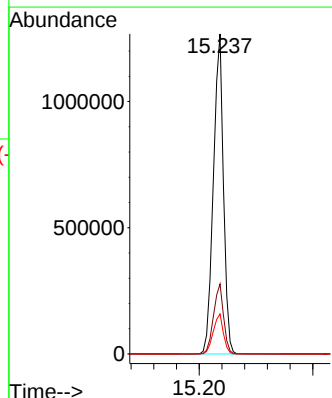
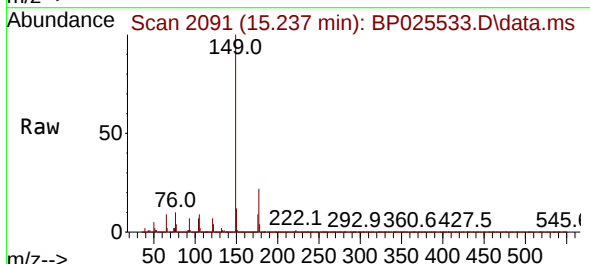
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

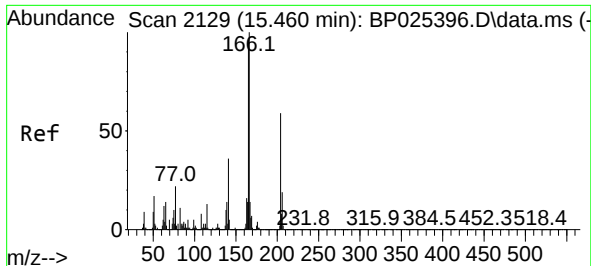
Tgt Ion:232 Resp: 411449
Ion Ratio Lower Upper
232 100
131 48.2 37.0 55.6
130 2.8 1.9 2.9
166 32.0 25.4 38.0



#60
Diethylphthalate
Concen: 44.102 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:149 Resp: 1545410
Ion Ratio Lower Upper
149 100
177 21.9 17.3 25.9
150 12.5 10.3 15.5

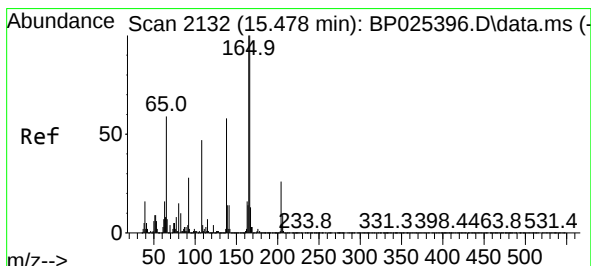
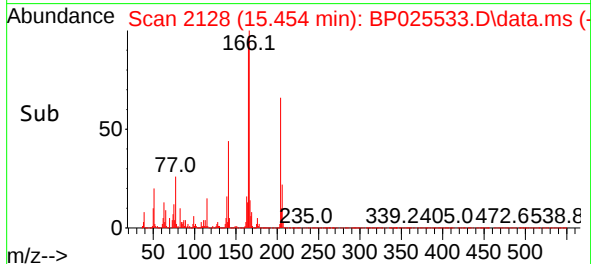
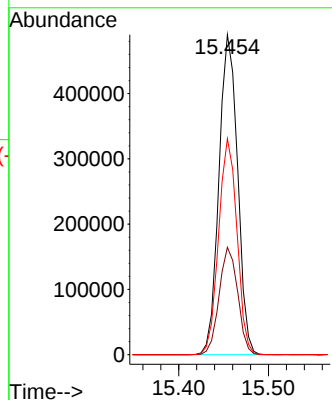
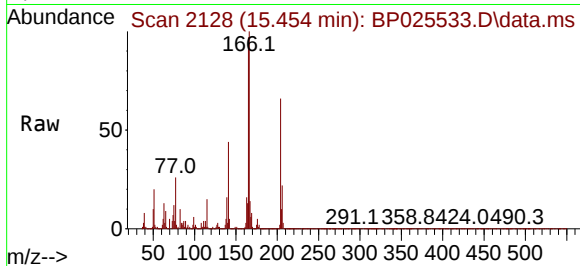




#61
4-Chlorophenyl-phenylether
Concen: 44.034 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

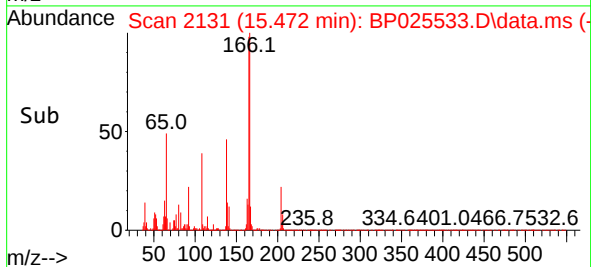
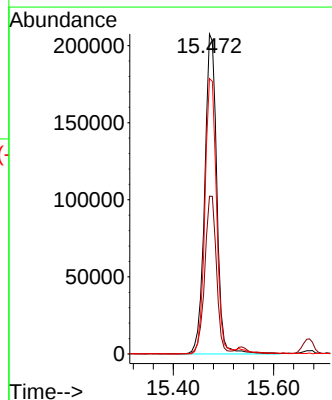
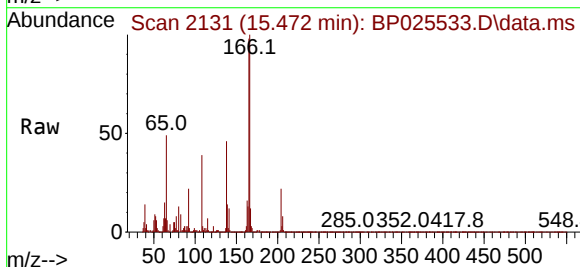
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

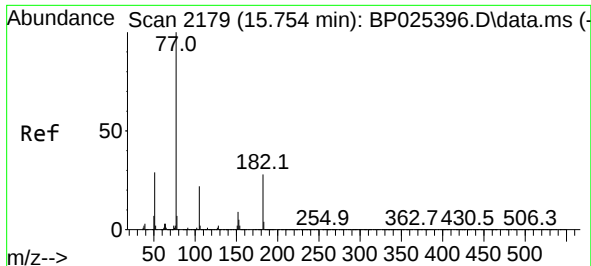
Tgt Ion:204 Resp: 706554
Ion Ratio Lower Upper
204 100
206 33.5 25.8 38.8
141 67.5 49.4 74.2



#62
4-Nitroaniline
Concen: 41.501 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:138 Resp: 347937
Ion Ratio Lower Upper
138 100
92 49.3 29.1 69.1
108 86.1 61.5 101.5



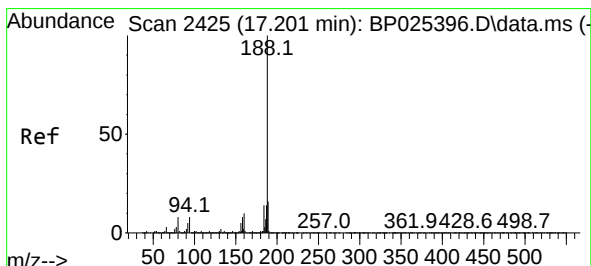
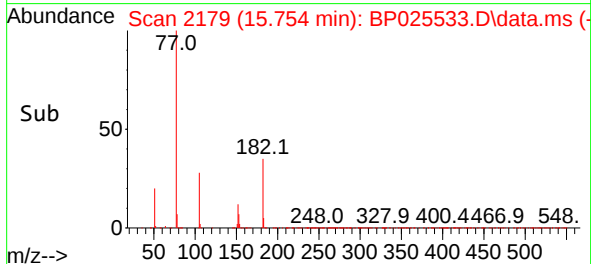
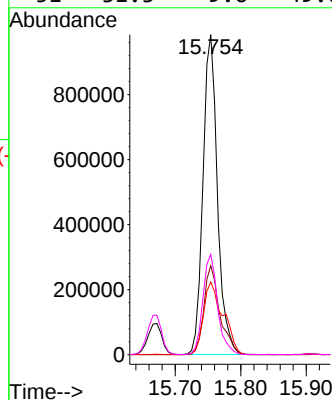
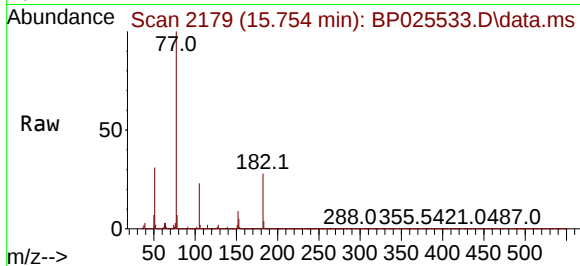


#63
Azobenzene
Concen: 50.317 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion: 77 Resp: 1509771

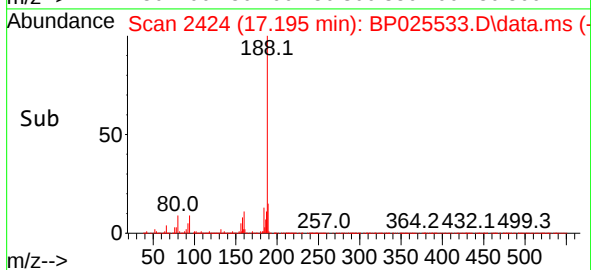
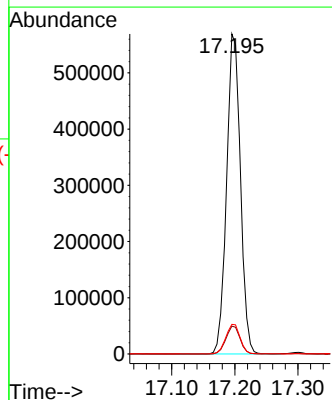
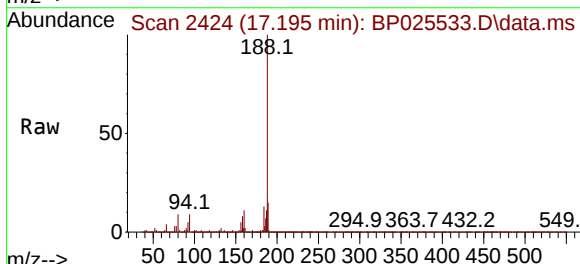
Ion	Ratio	Lower	Upper
77	100		
182	27.8	7.5	47.5
105	22.7	2.1	42.1
51	31.3	9.6	49.6

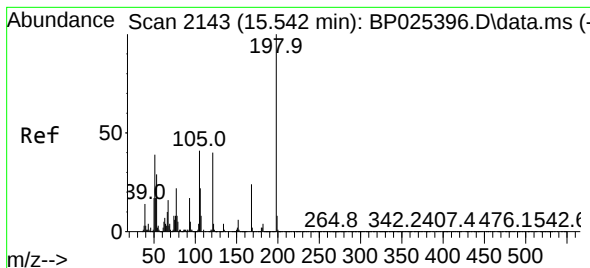


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion: 188 Resp: 863345

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.3	6.7	10.1

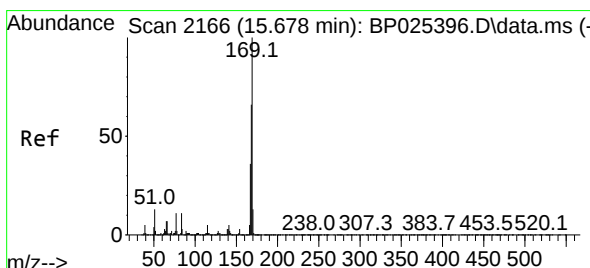
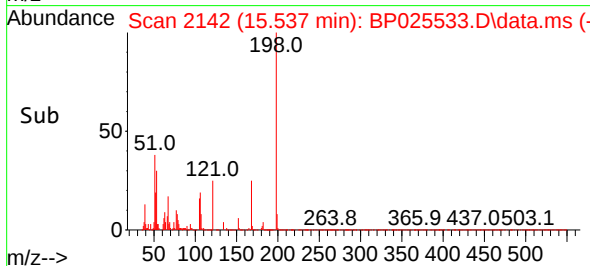
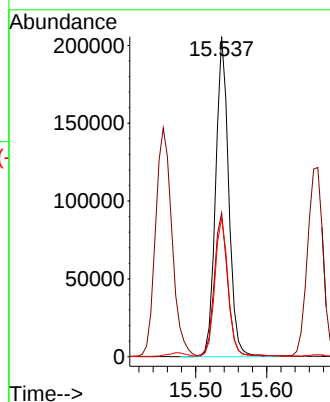
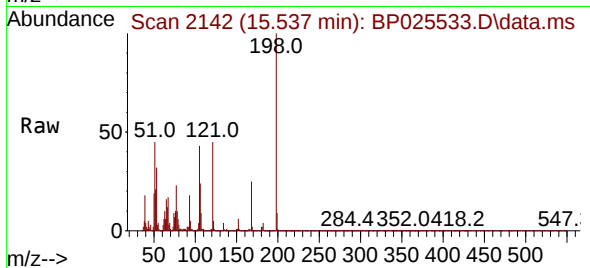




#65
4,6-Dinitro-2-methylphenol
Concen: 48.893 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

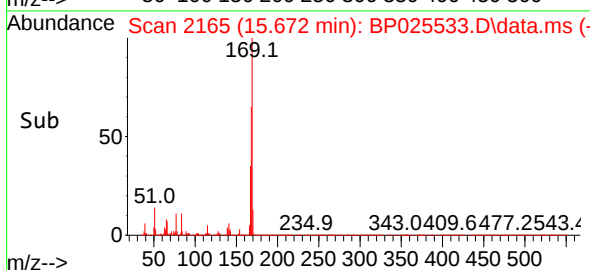
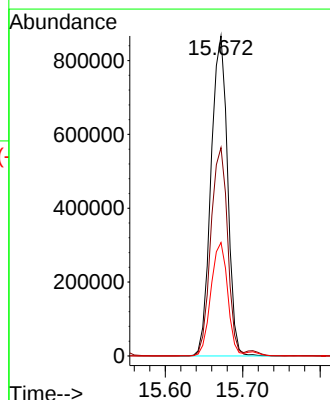
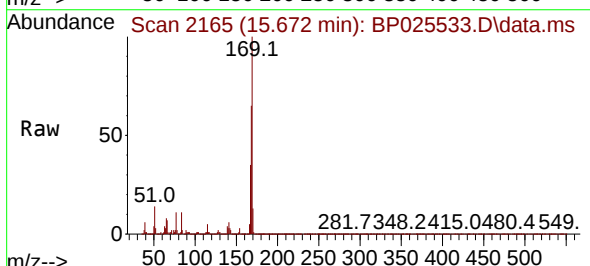
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

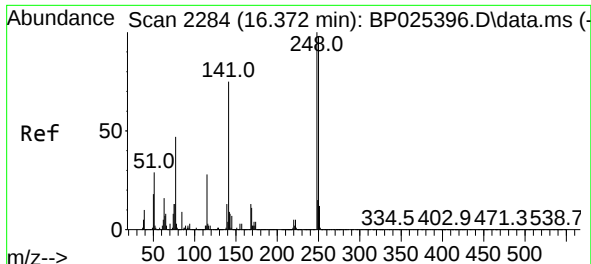
Tgt Ion:198 Resp: 263127
Ion Ratio Lower Upper
198 100
51 44.9 19.6 59.6
105 43.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 48.752 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:169 Resp: 1283484
Ion Ratio Lower Upper
169 100
168 65.1 53.2 79.8
167 35.5 28.7 43.1

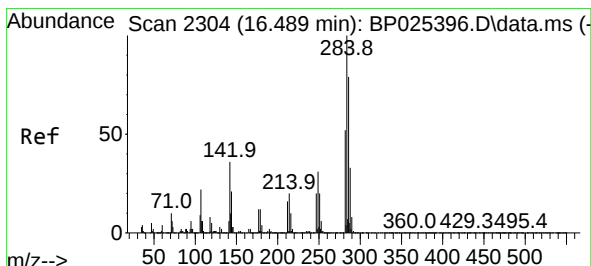
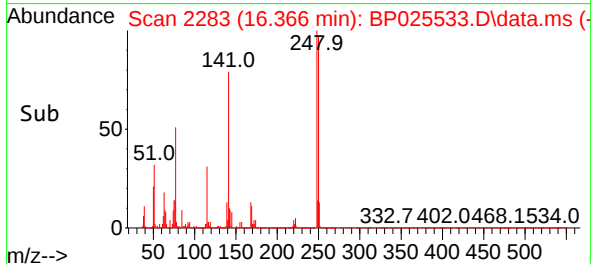
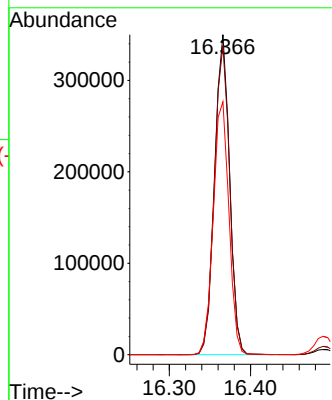
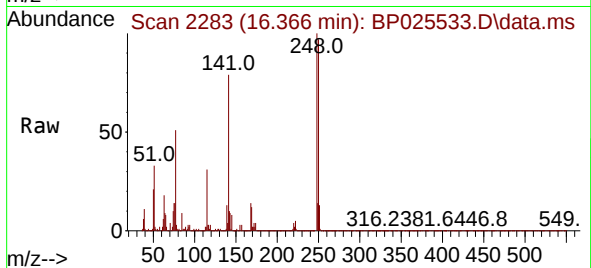




#67
4-Bromophenyl-phenylether
Concen: 47.800 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

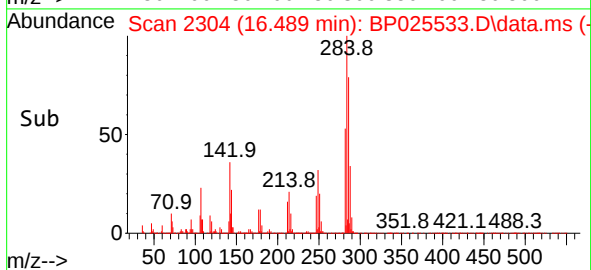
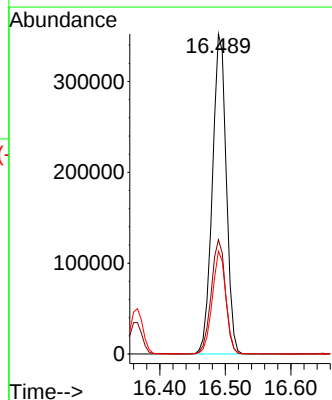
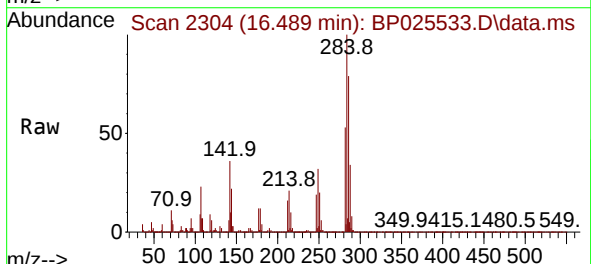
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

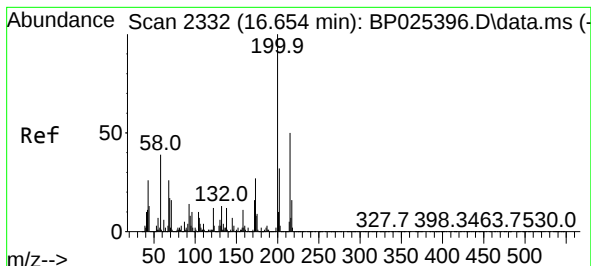
Tgt Ion:248 Resp: 453875
Ion Ratio Lower Upper
248 100
250 96.6 78.2 117.2
141 79.0 59.6 89.4



#68
Hexachlorobenzene
Concen: 47.030 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:284 Resp: 517656
Ion Ratio Lower Upper
284 100
142 35.7 29.1 43.7
249 32.2 25.0 37.4





#69

Atrazine

Concen: 44.775 ng

RT: 16.648 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

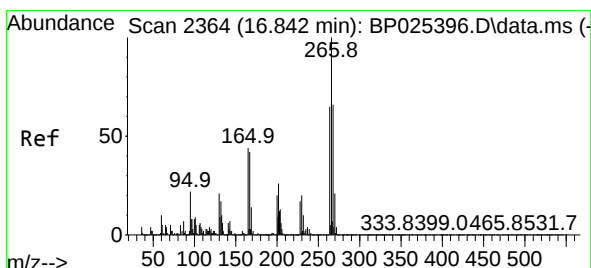
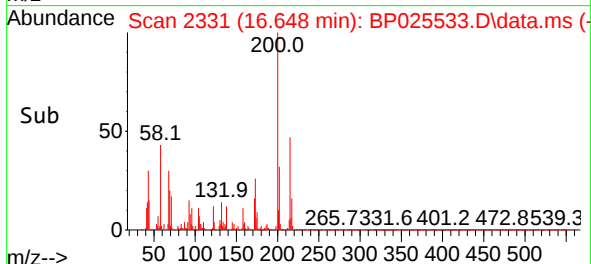
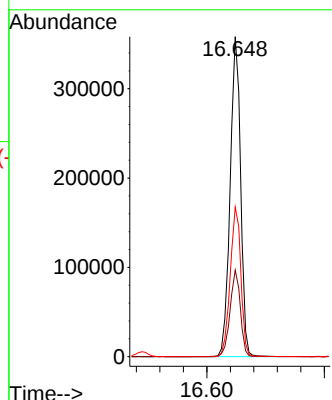
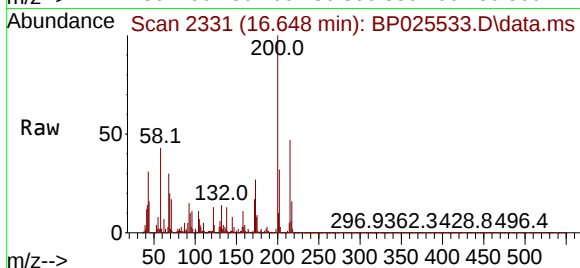
Tgt Ion:200 Resp: 441456

Ion Ratio Lower Upper

200 100

173 27.1 6.7 46.7

215 46.7 29.7 69.7



#70

Pentachlorophenol

Concen: 94.859 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

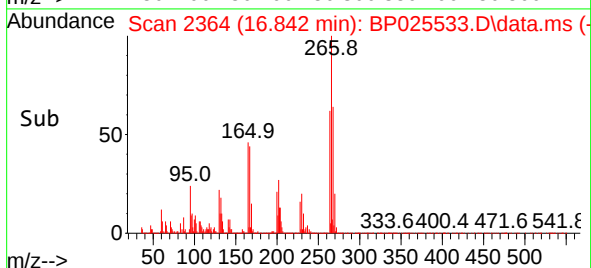
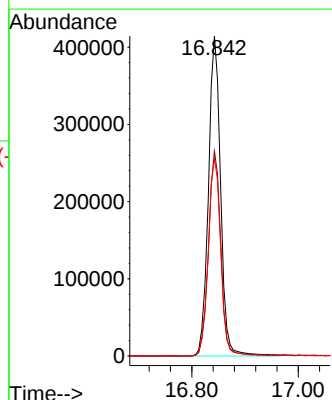
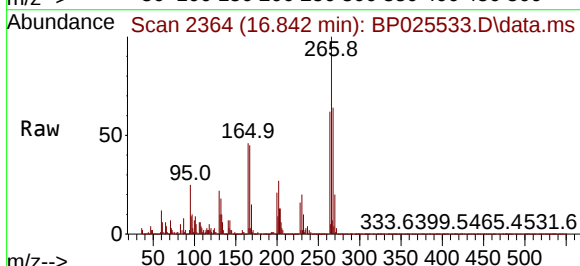
Tgt Ion:266 Resp: 659090

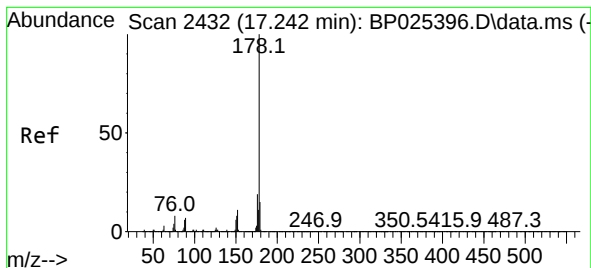
Ion Ratio Lower Upper

266 100

268 64.0 52.6 79.0

264 61.6 52.0 78.0





#71

Phenanthrene

Concen: 45.715 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

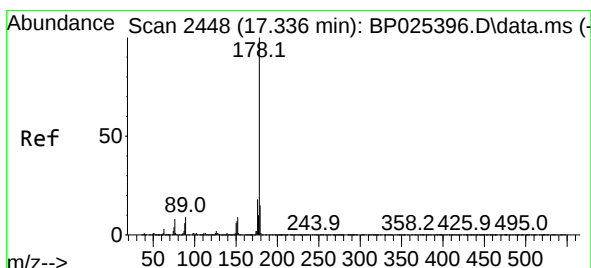
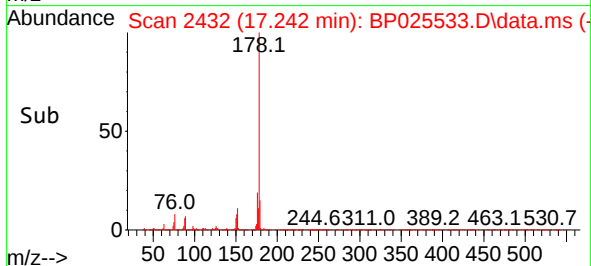
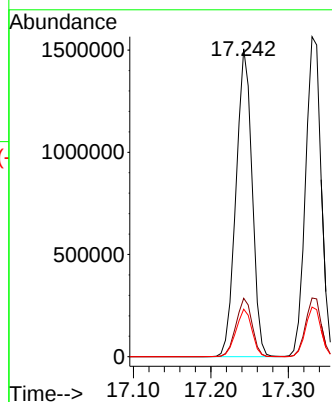
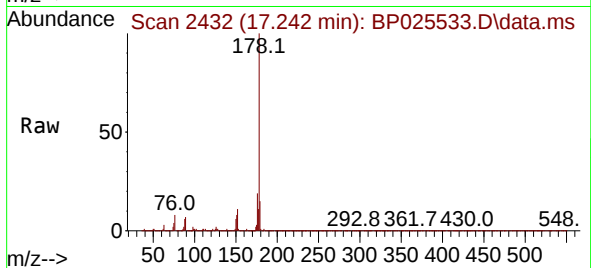
Tgt Ion:178 Resp: 2168100

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.5 12.2 18.4



#72

Anthracene

Concen: 45.583 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

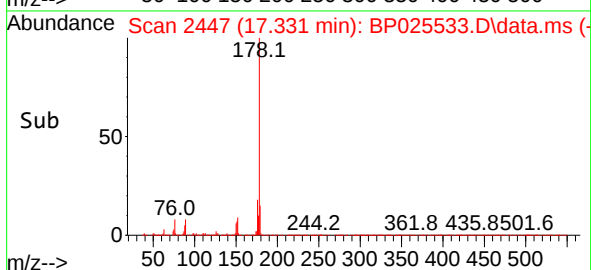
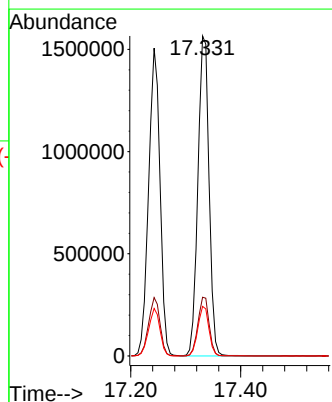
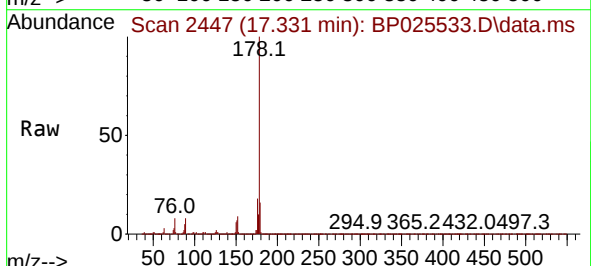
Tgt Ion:178 Resp: 2207693

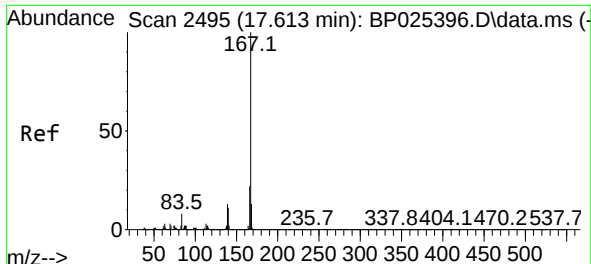
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.5 12.2 18.2

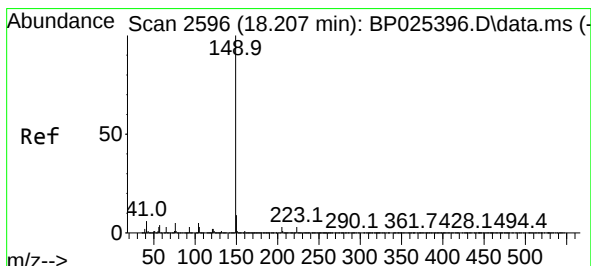
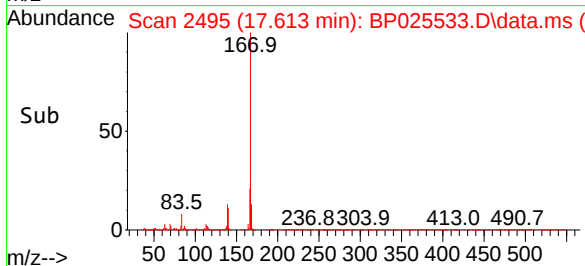
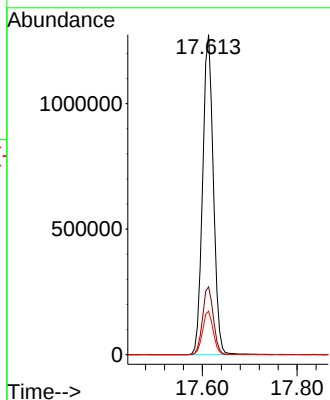
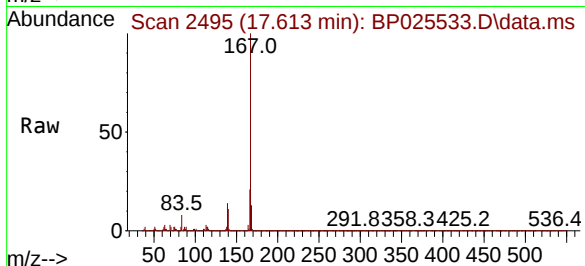




#73
 Carbazole
 Concen: 43.796 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

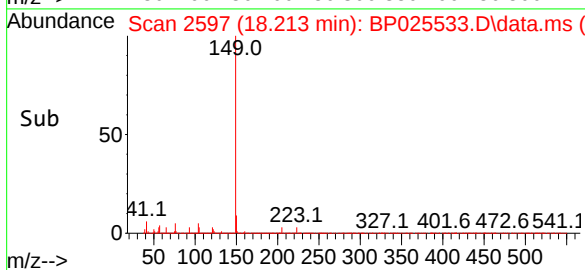
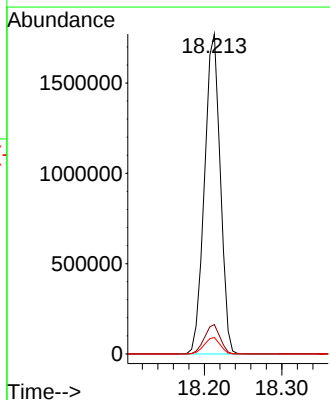
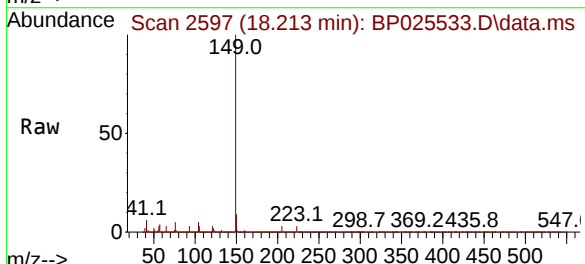
Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMSD

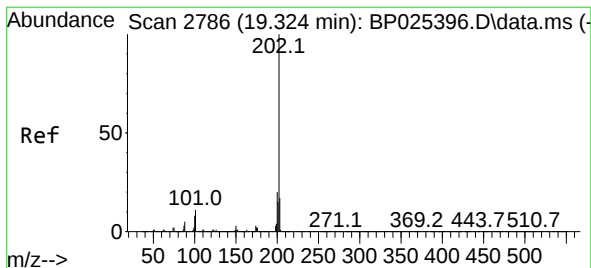
Tgt Ion:167 Resp: 1997934
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.6 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 44.580 ng
 RT: 18.213 min Scan# 2597
 Delta R.T. 0.006 min
 Lab File: BP025533.D
 Acq: 21 Aug 2025 10:06

Tgt Ion:149 Resp: 2502094
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.2 4.2 6.2

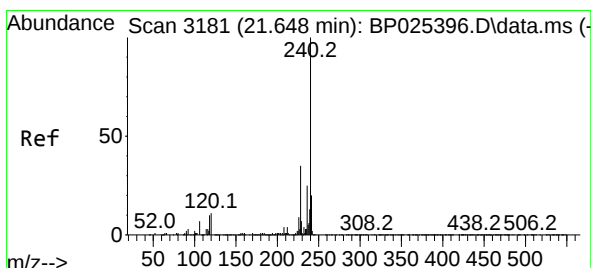
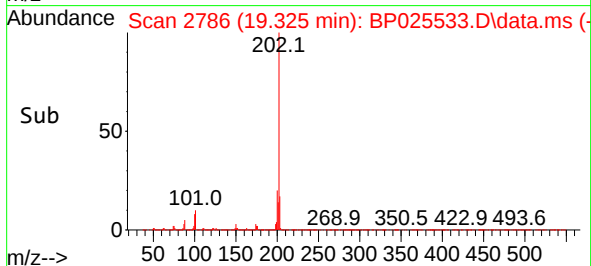
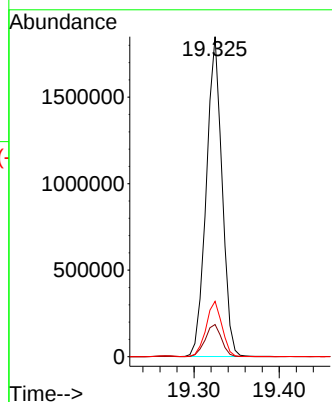
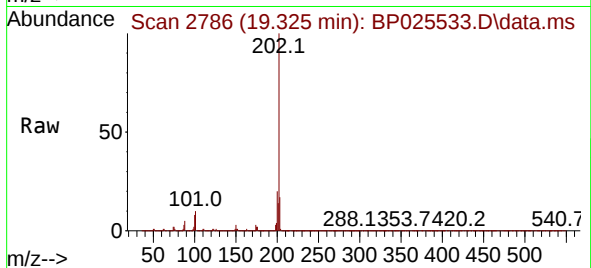




#75
Fluoranthene
Concen: 41.968 ng
RT: 19.325 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

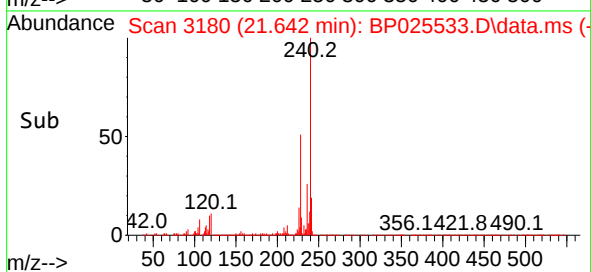
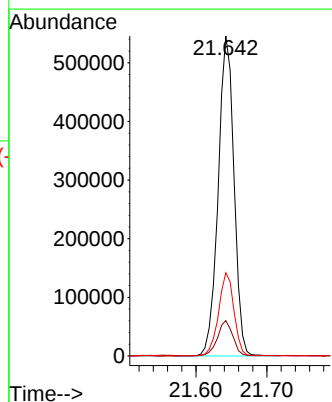
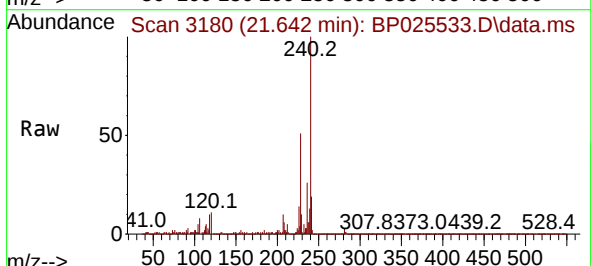
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

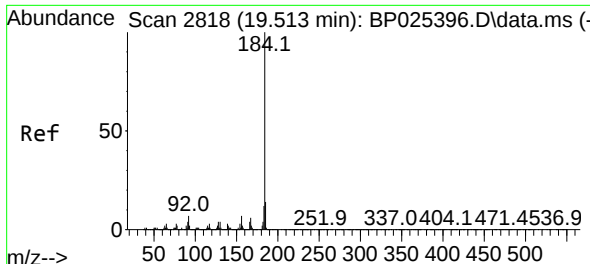
Tgt Ion:202 Resp: 2374209
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.1
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:240 Resp: 839801
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 26.0 19.8 29.8

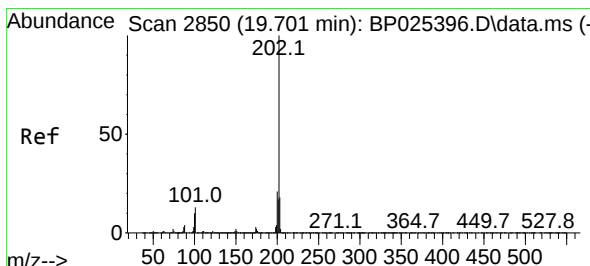
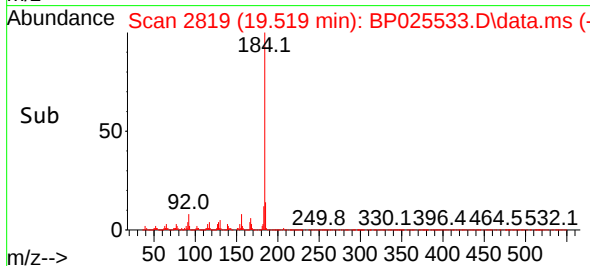
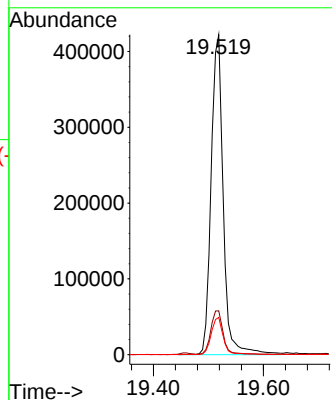
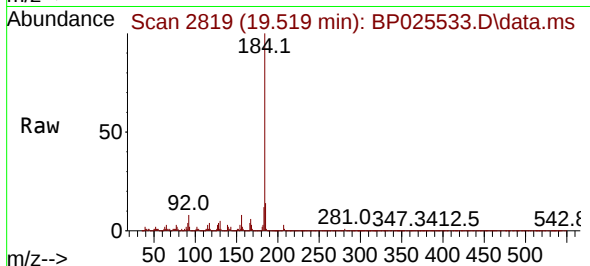




#77
Benzidine
Concen: 22.466 ng
RT: 19.519 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

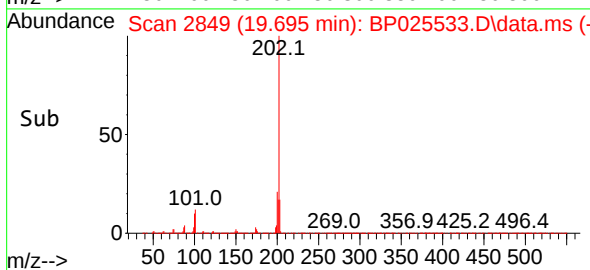
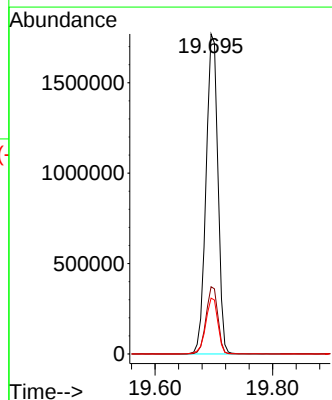
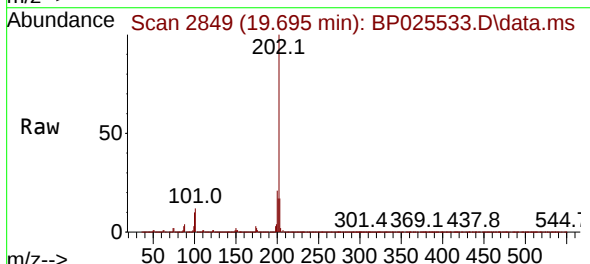
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

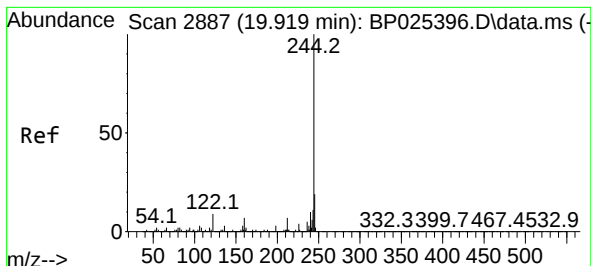
Tgt Ion:184 Resp: 643898
Ion Ratio Lower Upper
184 100
185 13.7 11.5 17.3
183 11.6 9.4 14.2



#78
Pyrene
Concen: 45.207 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:202 Resp: 2467626
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 49.730 ng

RT: 19.907 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

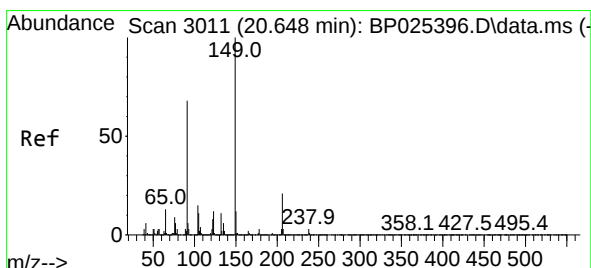
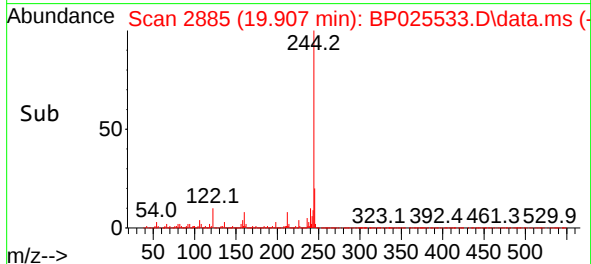
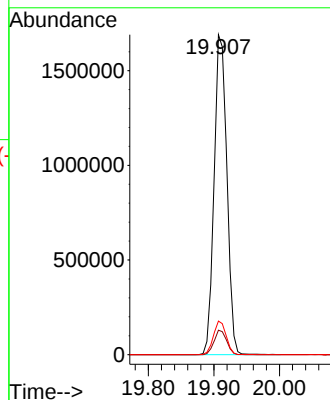
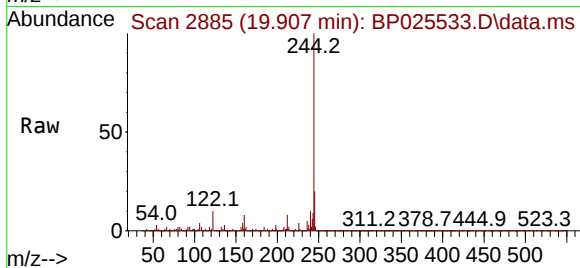
Tgt Ion:244 Resp: 2282690

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 10.5 7.4 11.2



#80

Butylbenzylphthalate

Concen: 46.225 ng

RT: 20.642 min Scan# 3010

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

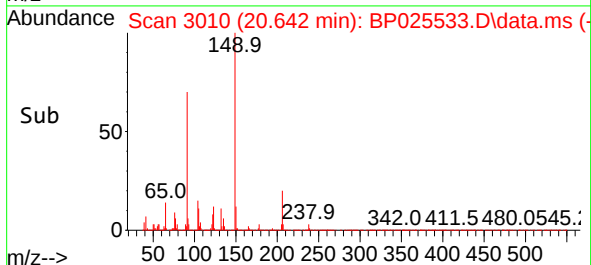
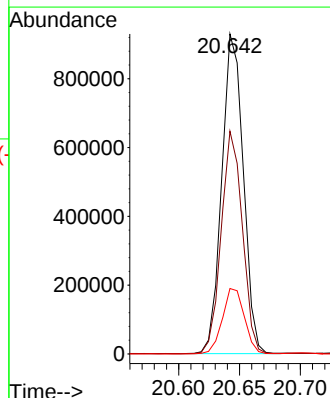
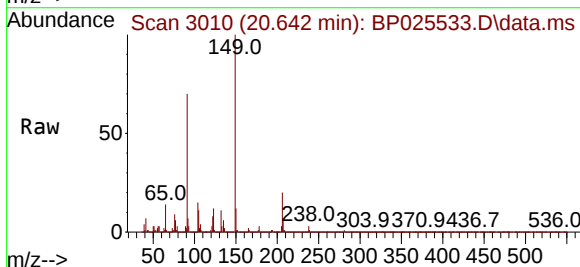
Tgt Ion:149 Resp: 1143536

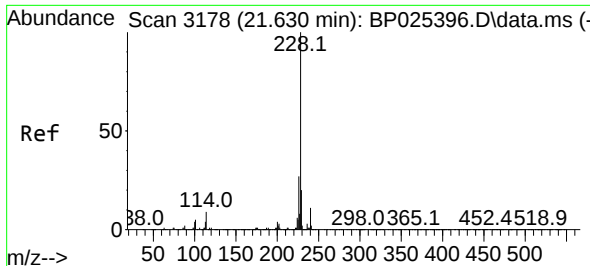
Ion Ratio Lower Upper

149 100

91 69.6 54.2 81.2

206 20.5 16.6 24.8

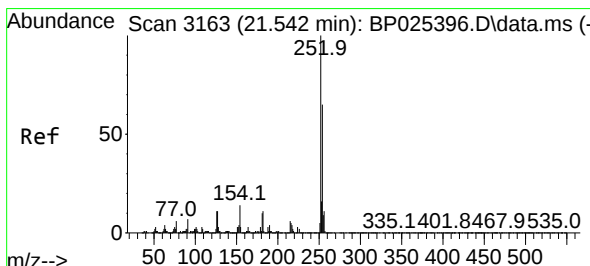
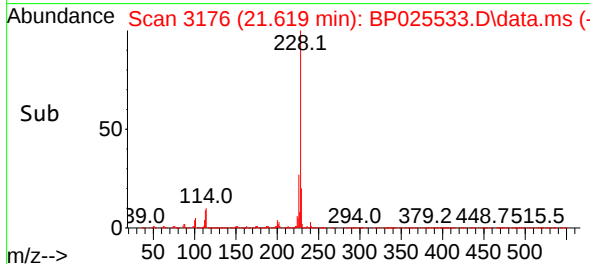
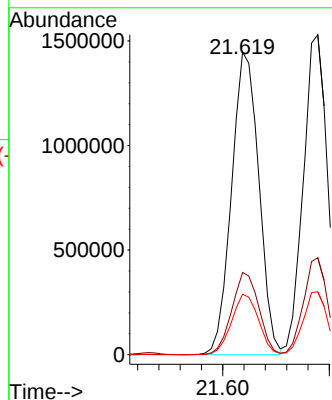
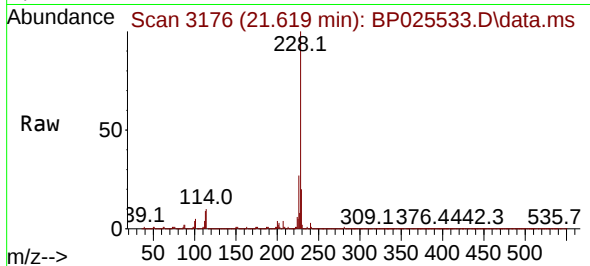




#81
Benzo(a)anthracene
Concen: 46.542 ng
RT: 21.619 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

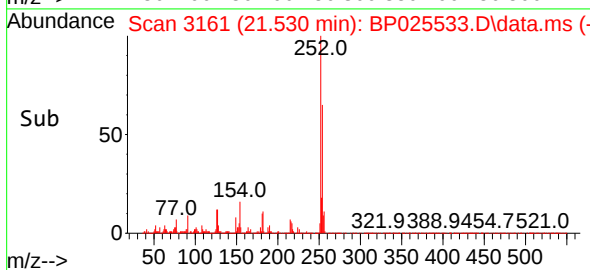
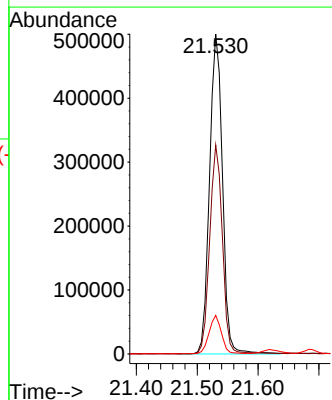
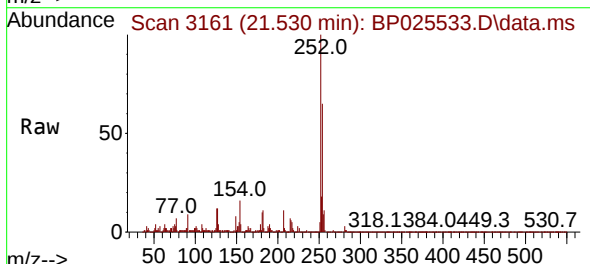
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

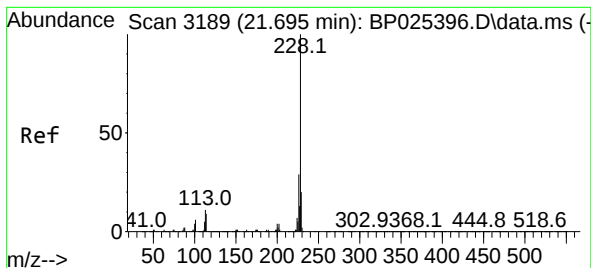
Tgt Ion:228 Resp: 2577739
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 35.441 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:252 Resp: 739859
Ion Ratio Lower Upper
252 100
254 65.3 51.8 77.6
126 12.1 9.1 13.7





#83

Chrysene

Concen: 46.673 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

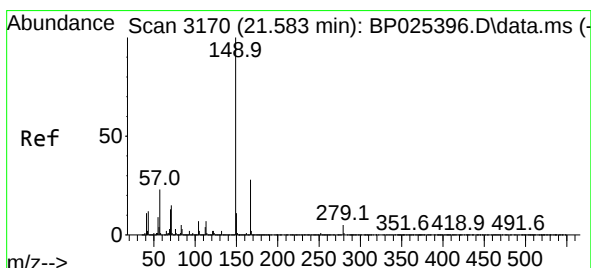
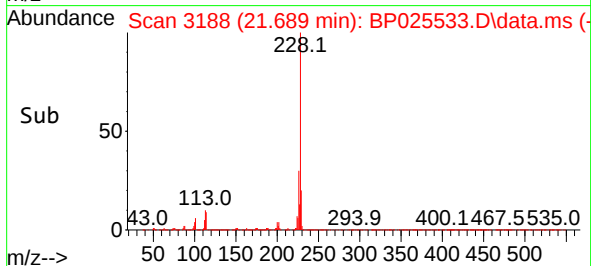
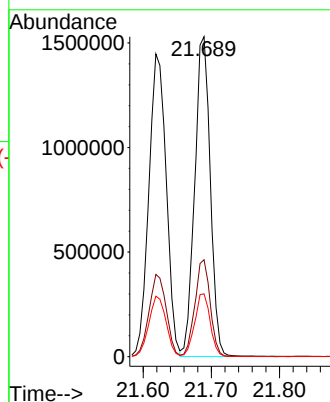
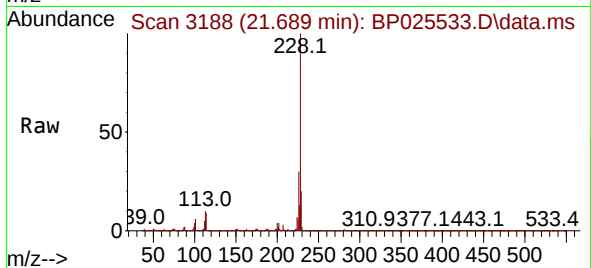
Tgt Ion:228 Resp: 2420828

Ion Ratio Lower Upper

228 100

226 30.3 23.2 34.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.076 ng

RT: 21.554 min Scan# 3165

Delta R.T. -0.029 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

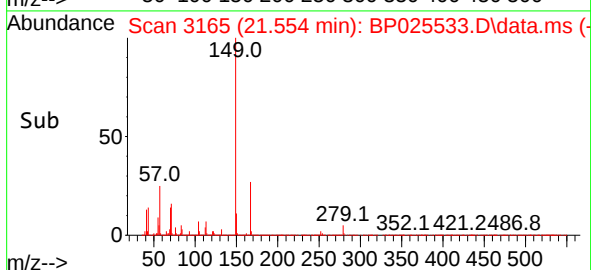
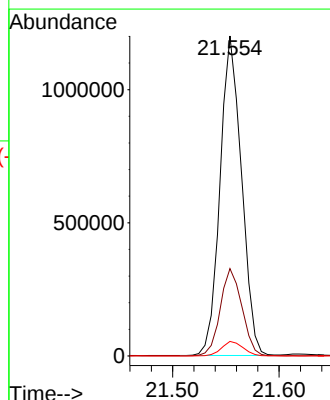
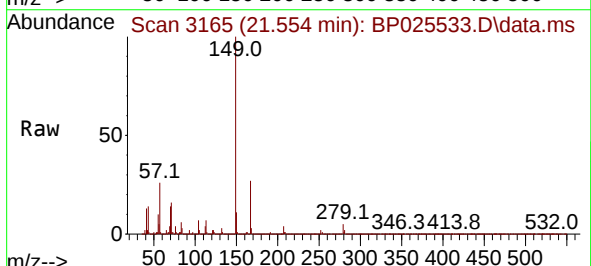
Tgt Ion:149 Resp: 1677914

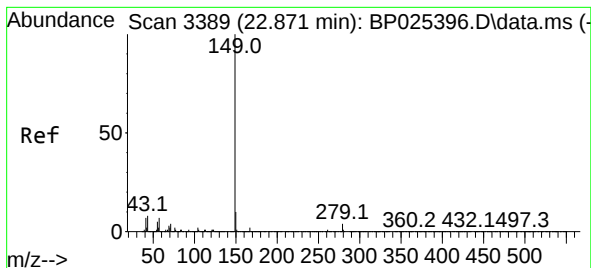
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 49.849 ng

RT: 22.842 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

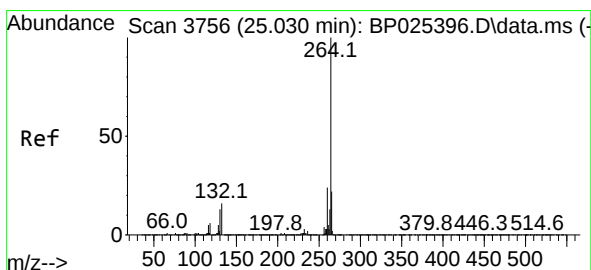
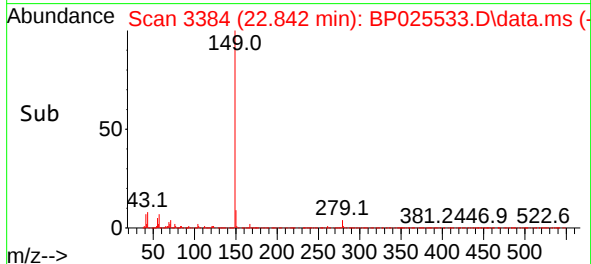
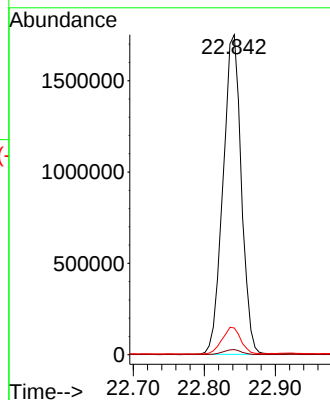
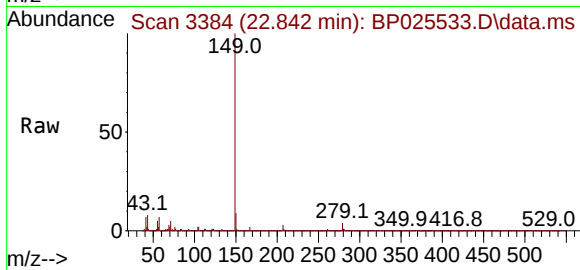
Tgt Ion:149 Resp: 3122428

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 3751

Delta R.T. -0.029 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

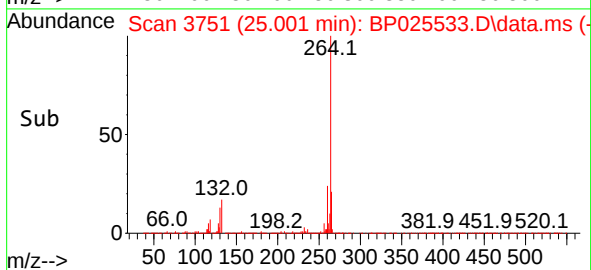
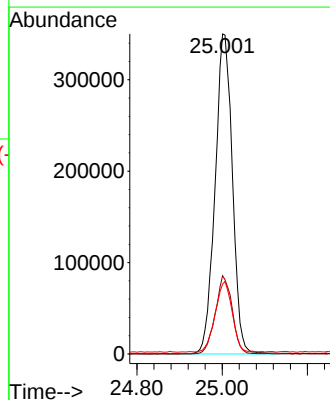
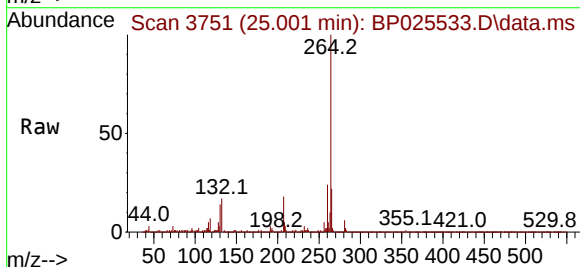
Tgt Ion:264 Resp: 984596

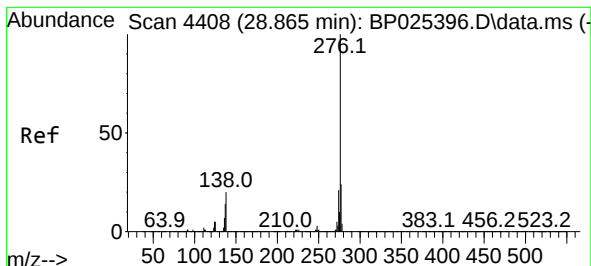
Ion Ratio Lower Upper

264 100

260 24.5 19.3 28.9

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.056 ng

RT: 28.830 min Scan# 4408

Delta R.T. -0.035 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

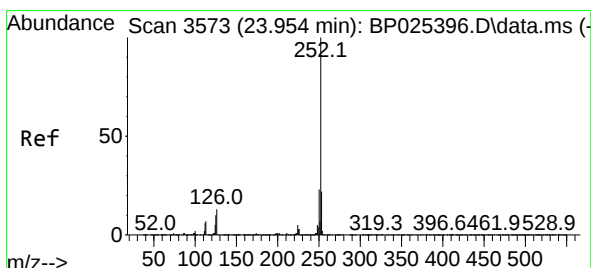
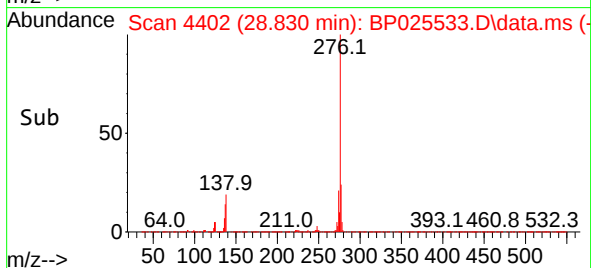
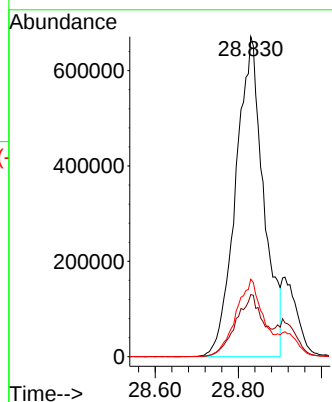
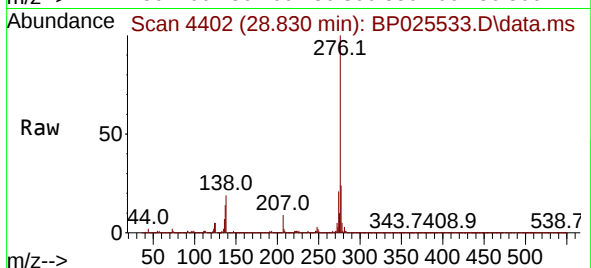
Tgt Ion:276 Resp: 3108930

Ion Ratio Lower Upper

276 100

138 19.3 12.9 19.3

277 23.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 47.796 ng

RT: 23.924 min Scan# 3568

Delta R.T. -0.029 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

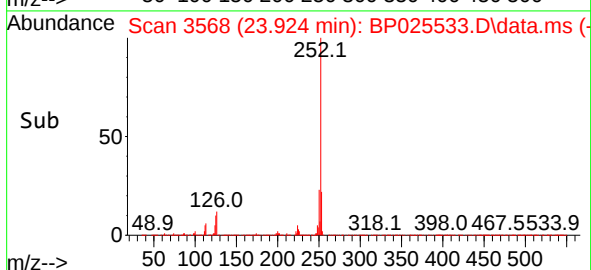
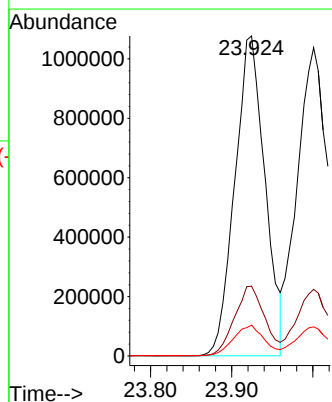
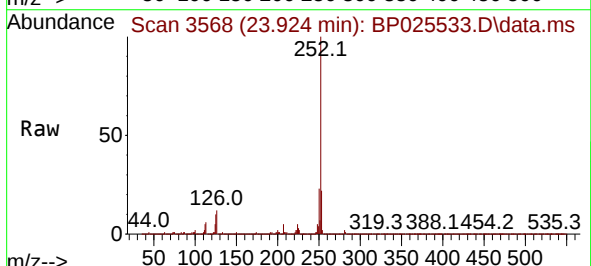
Tgt Ion:252 Resp: 2774997

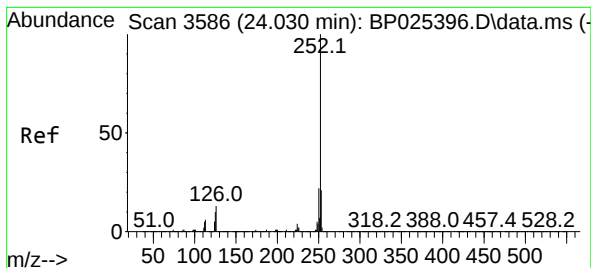
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.7 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 47.558 ng

RT: 24.001 min Scan# 3586

Delta R.T. -0.029 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMSD

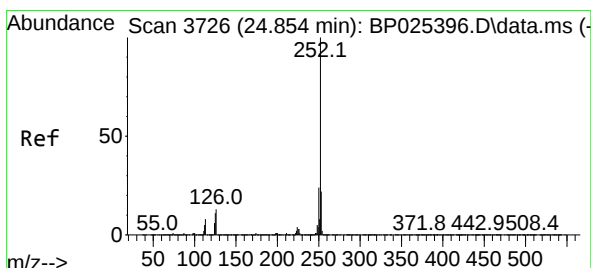
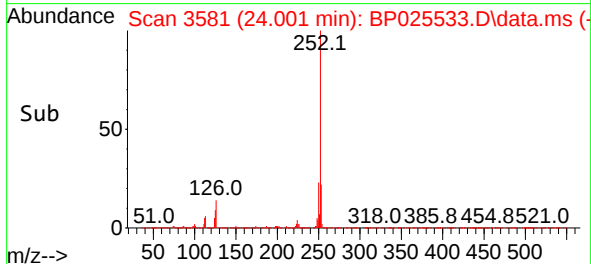
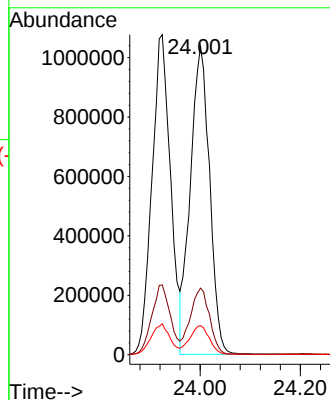
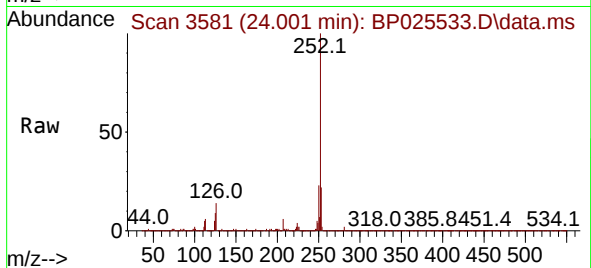
Tgt Ion:252 Resp: 2763017

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 9.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 47.711 ng

RT: 24.842 min Scan# 3724

Delta R.T. -0.012 min

Lab File: BP025533.D

Acq: 21 Aug 2025 10:06

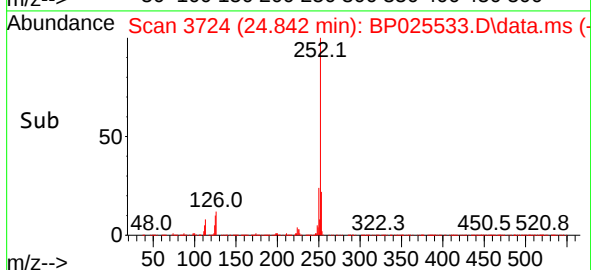
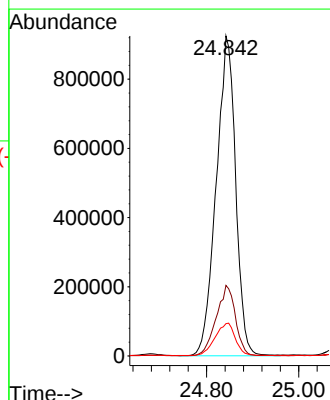
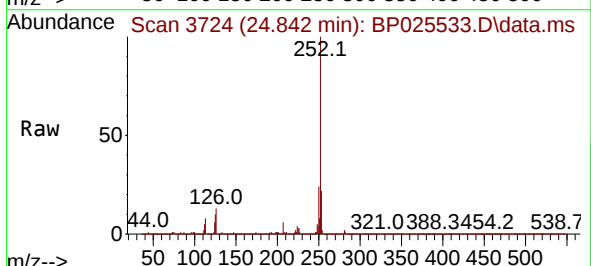
Tgt Ion:252 Resp: 2696431

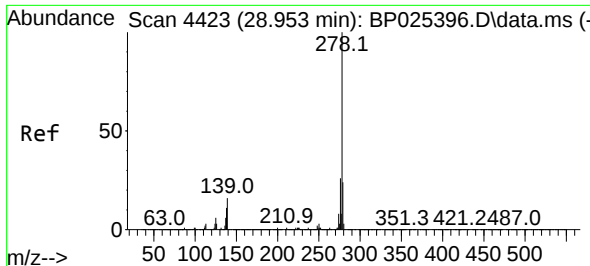
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.1 8.7 13.1

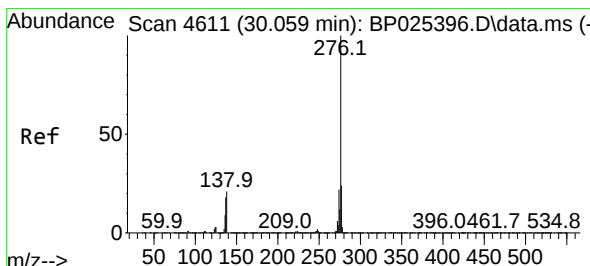
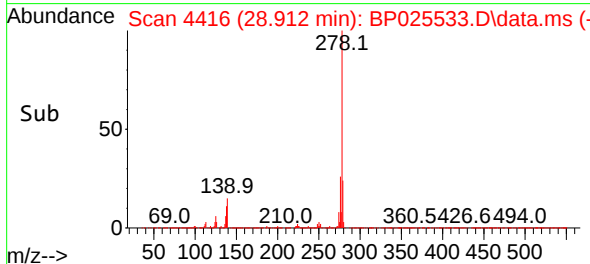
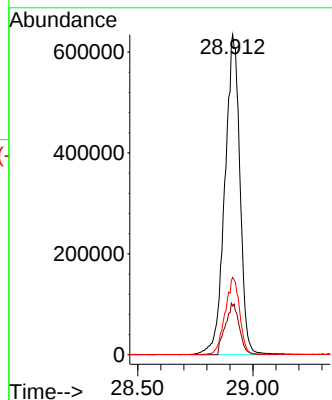
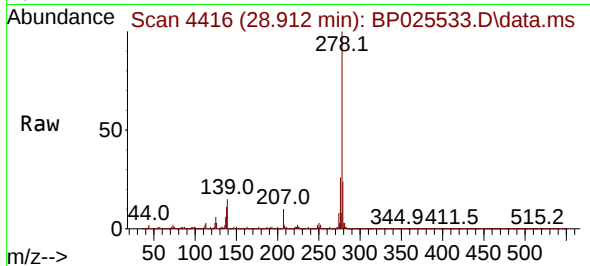




#91
Dibenzo(a,h)anthracene
Concen: 48.928 ng
RT: 28.912 min Scan# 4423
Delta R.T. -0.041 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Tgt Ion:278 Resp: 2887100
Ion Ratio Lower Upper
278 100
139 15.2 13.0 19.4
279 24.2 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 49.033 ng
RT: 30.018 min Scan# 4604
Delta R.T. -0.041 min
Lab File: BP025533.D
Acq: 21 Aug 2025 10:06

Tgt Ion:276 Resp: 2844057
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 20.2 16.7 25.1

