

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025532.D
 Acq On : 21 Aug 2025 09:25
 Operator : CG/JU
 Sample : Q2873-01MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 21 13:03:19 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

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	193255	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	862914	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	625092	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	1332235	20.000	ng	0.00
76) Chrysene-d12	21.648	240	1037300	20.000	ng	0.00
86) Perylene-d12	25.007	264	1008580	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1062498	91.304	ng	0.00
7) Phenol-d6	6.966	99	1461865	97.983	ng	0.00
23) Nitrobenzene-d5	8.925	82	922533	54.080	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	785252	93.329	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2217595	48.485	ng	0.00
79) Terphenyl-d14	19.930	244	3604576	63.577	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.325	88	164573	36.105	ng	97
3) Pyridine	3.719	79	457350	36.658	ng	95
4) n-Nitrosodimethylamine	3.631	42	243992	47.437	ng	97
6) Aniline	7.119	93	688916	34.272	ng	98
8) 2-Chlorophenol	7.360	128	676550	51.520	ng	98
9) Benzaldehyde	6.937	77	307971	29.463	ng	97
10) Phenol	6.996	94	827862	52.881	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	569296	46.656	ng	98
12) 1,3-Dichlorobenzene	7.678	146	643432	44.436	ng	99
13) 1,4-Dichlorobenzene	7.819	146	652860	44.112	ng	99
14) 1,2-Dichlorobenzene	8.137	146	639934	44.667	ng	97
15) Benzyl Alcohol	8.019	79	617887	52.122	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.307	45	812250	49.691	ng	98
17) 2-Methylphenol	8.225	107	572667	52.669	ng	97
18) Hexachloroethane	8.860	117	247099	45.409	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	474141	47.978	ng	97
20) 3+4-Methylphenols	8.549	107	795140	52.758	ng	94
22) Acetophenone	8.596	105	967840	44.724	ng	97
24) Nitrobenzene	8.972	77	708164	46.451	ng	99
25) Isophorone	9.496	82	1394671	46.198	ng	98
26) 2-Nitrophenol	9.672	139	371775	47.517	ng	97
27) 2,4-Dimethylphenol	9.737	122	589133	43.785	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	842262	46.155	ng	99
29) 2,4-Dichlorophenol	10.207	162	683162	51.111	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	636697	43.454	ng	99
31) Naphthalene	10.607	128	2003290	44.666	ng	100
32) Benzoic acid	9.913	122	581624	58.551	ng	98
33) 4-Chloroaniline	10.707	127	413684	20.881	ng	99
34) Hexachlorobutadiene	10.890	225	394420	43.224	ng	97
35) Caprolactam	11.507	113	266383m	54.351	ng	
36) 4-Chloro-3-methylphenol	11.837	107	828279	54.004	ng	95
37) 2-Methylnaphthalene	12.213	142	1366496	46.818	ng	99
38) 1-Methylnaphthalene	12.425	142	1434778	46.224	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	769709	42.635	ng	99
41) Hexachlorocyclopentadiene	12.566	237	834559	76.530	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	590719	48.467	ng	99

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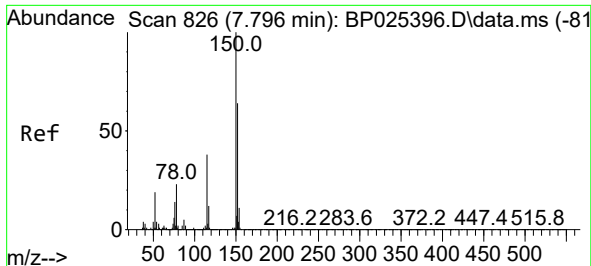
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	659037	49.338	ng	98
46) 1,1'-Biphenyl	13.225	154	2016067	44.409	ng	99
47) 2-Chloronaphthalene	13.266	162	1556694	44.047	ng	99
48) 2-Nitroaniline	13.466	65	548687	53.282	ng	98
49) Acenaphthylene	14.119	152	2653065	45.367	ng	100
50) Dimethylphthalate	13.854	163	2184153	47.715	ng	99
51) 2,6-Dinitrotoluene	13.972	165	488637	50.647	ng	98
52) Acenaphthene	14.460	154	1538560	44.821	ng	100
53) 3-Nitroaniline	14.301	138	349330	32.182	ng	97
54) 2,4-Dinitrophenol	14.507	184	578017	112.186	ng	94
55) Dibenzofuran	14.801	168	2506967	46.193	ng	98
56) 4-Nitrophenol	14.625	139	901325	101.047	ng	90
57) 2,4-Dinitrotoluene	14.760	165	718441	52.192	ng	95
58) Fluorene	15.460	166	1943631	45.387	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	598683	50.759	ng	99
60) Diethylphthalate	15.237	149	2294509	49.332	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	963129	45.222	ng	96
62) 4-Nitroaniline	15.478	138	531708	47.780	ng	93
63) Azobenzene	15.754	77	2133007	53.558	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	400266	48.199	ng	93
66) n-Nitrosodiphenylamine	15.678	169	1806263	44.461	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	671449	45.826	ng	97
68) Hexachlorobenzene	16.489	284	762986	44.922	ng	99
69) Atrazine	16.660	200	719587	47.297	ng	99
70) Pentachlorophenol	16.842	266	1001156	93.377	ng	98
71) Phenanthrene	17.242	178	3258945	44.531	ng	100
72) Anthracene	17.342	178	3347193	44.787	ng	100
73) Carbazole	17.613	167	3171702	45.056	ng	99
74) Di-n-butylphthalate	18.207	149	4175739	48.214	ng	99
75) Fluoranthene	19.330	202	3761730	43.092	ng	98
77) Benzidine	19.530	184	852806	24.090	ng	99
78) Pyrene	19.707	202	3793378	56.264	ng	100
80) Butylbenzylphthalate	20.660	149	1737167	56.852	ng	99
81) Benzo(a)anthracene	21.624	228	3212247	46.956	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	806439	31.275	ng	100
83) Chrysene	21.701	228	3023496	47.193	ng	98
84) Bis(2-ethylhexyl)phtha...	21.571	149	2321078	51.602	ng	99
85) Di-n-octyl phthalate	22.854	149	3498238	45.216	ng	99
87) Indeno(1,2,3-cd)pyrene	28.842	276	3539495m	47.854	ng	
88) Benzo(b)fluoranthene	23.948	252	2809285	47.236	ng	99
89) Benzo(k)fluoranthene	24.013	252	2845986	47.821	ng	99
90) Benzo(a)pyrene	24.848	252	2689694	46.460	ng	100
91) Dibenzo(a,h)anthracene	28.942	278	2905291	48.065	ng	98
92) Benzo(g,h,i)perylene	30.030	276	2886256	48.577	ng	99

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



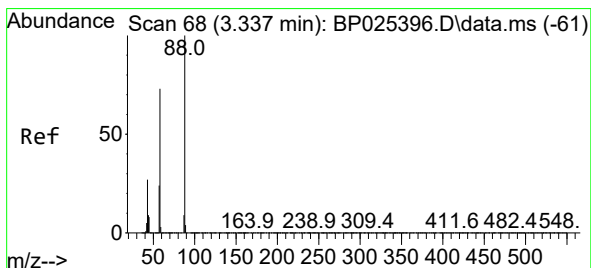
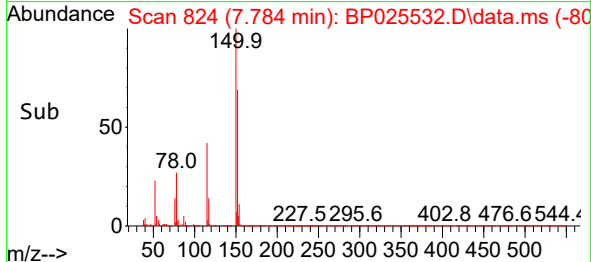
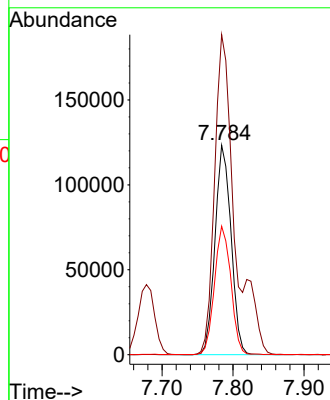
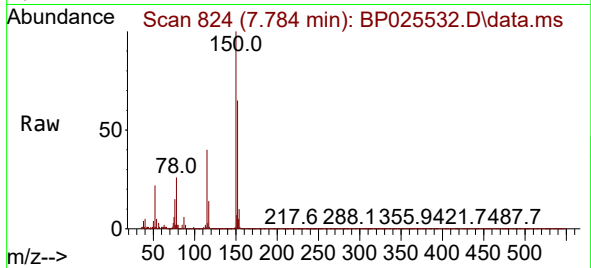
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.784 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25

Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS

Tgt Ion:152 Resp: 19325
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.9 188.9
 115 61.3 48.5 72.7

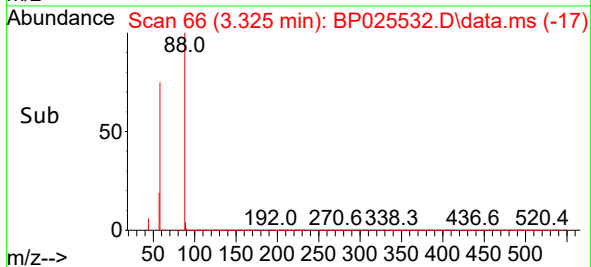
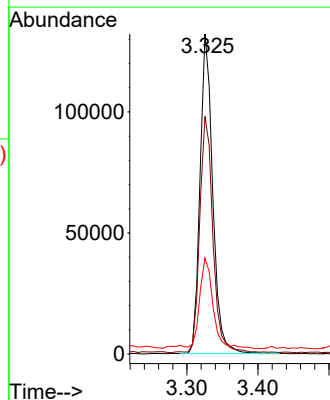
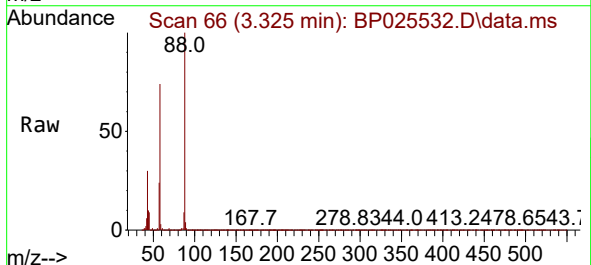
Manual Integrations
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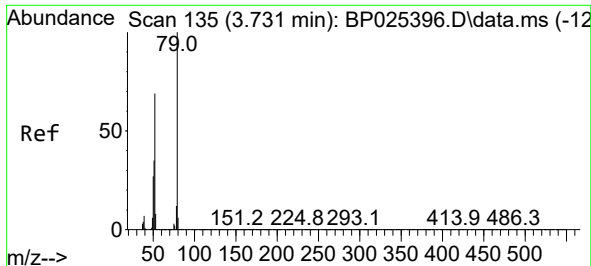
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025



#2
 1,4-Dioxane
 Concen: 36.105 ng
 RT: 3.325 min Scan# 66
 Delta R.T. -0.012 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25

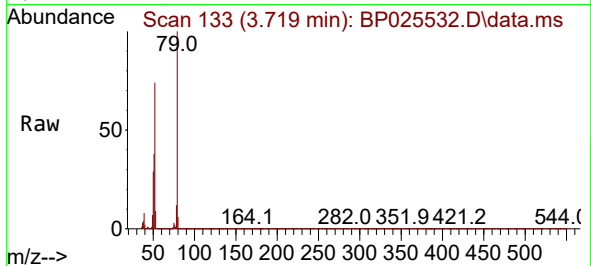
Tgt Ion: 88 Resp: 164573
 Ion Ratio Lower Upper
 88 100
 58 76.6 59.2 88.8
 43 29.4 21.7 32.5





#3
Pyridine
Concen: 36.658 ng
RT: 3.719 min Scan# 118
Delta R.T. -0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

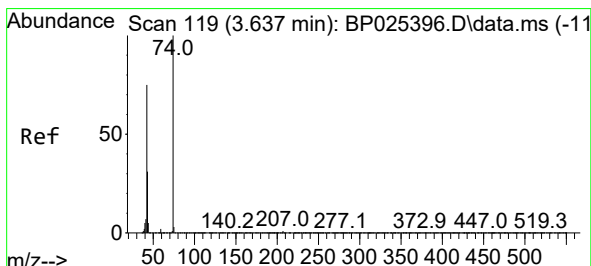
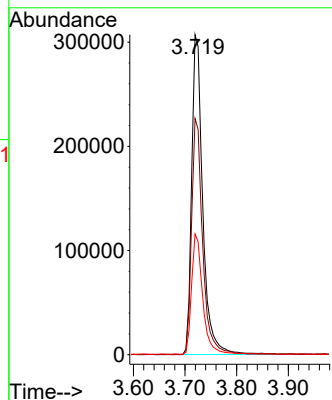
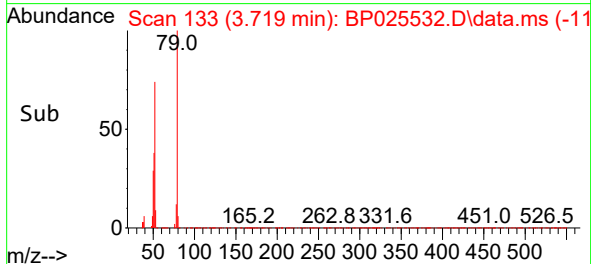
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



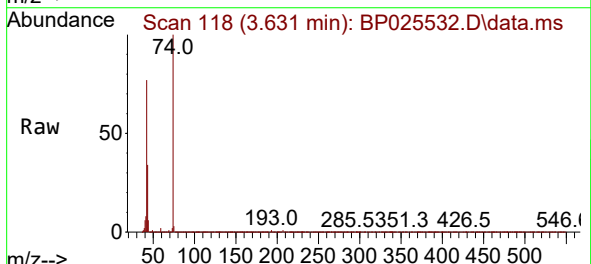
Tgt Ion: 79 Resp: 457350
Ion Ratio Lower Upper
79 100
52 73.8 55.5 83.3
51 37.7 28.3 42.5

Manual Integrations
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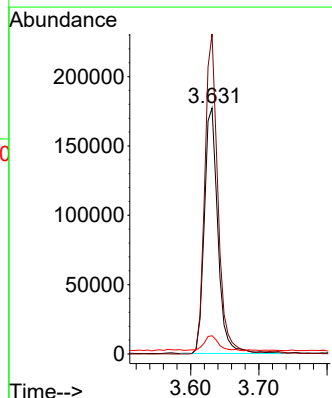
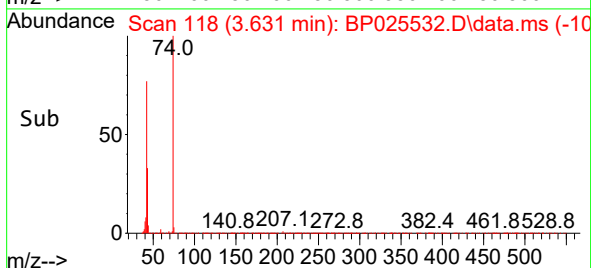
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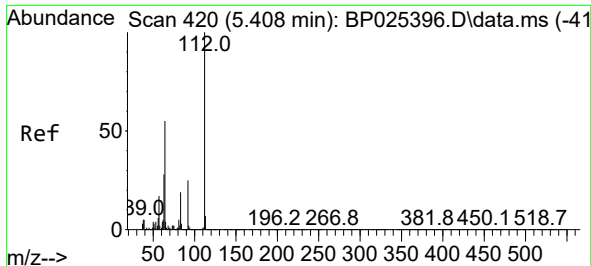


#4
n-Nitrosodimethylamine
Concen: 47.437 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



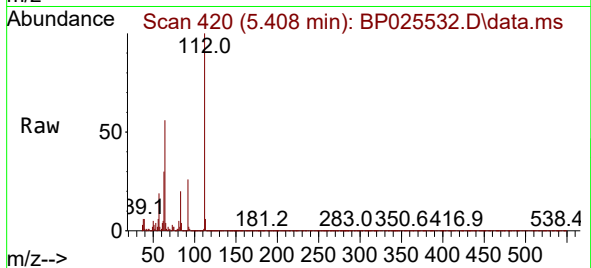
Tgt Ion: 42 Resp: 243992
Ion Ratio Lower Upper
42 100
74 130.1 107.0 160.4
44 7.4 6.2 9.4





#5
2-Fluorophenol
Concen: 91.304 ng
RT: 5.408 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

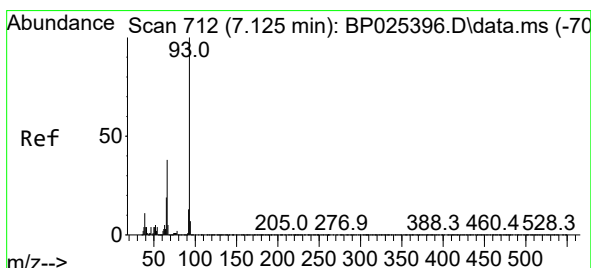
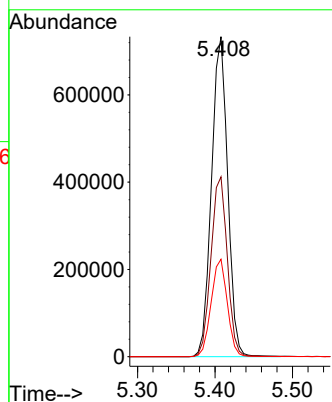
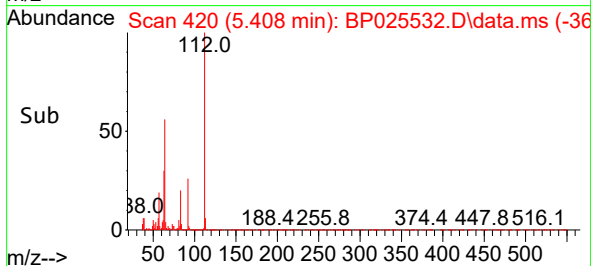
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DRILL CUTTING 1-3 COMPMS



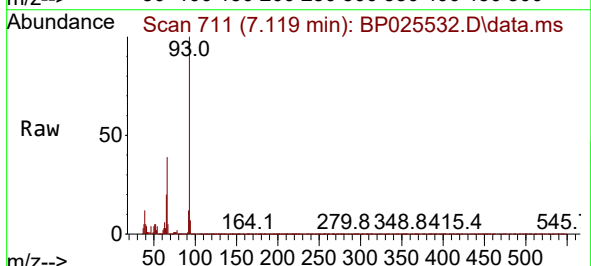
Tgt Ion: 112 Resp: 1062498
Ion Ratio Lower Upper
112 100
64 56.2 43.8 65.8
63 30.5 22.7 34.1

Manual Integrations
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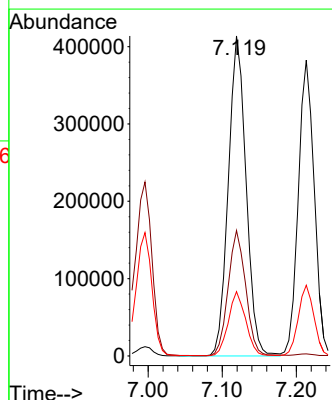
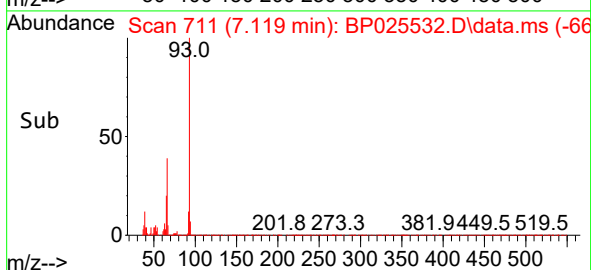
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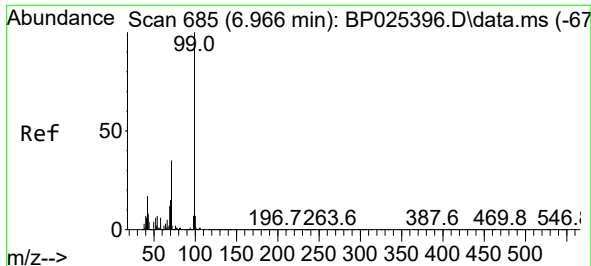


#6
Aniline
Concen: 34.272 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



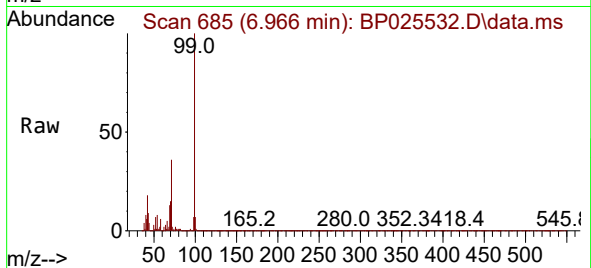
Tgt Ion: 93 Resp: 688916
Ion Ratio Lower Upper
93 100
66 39.2 30.4 45.6
65 20.1 15.3 22.9





#7
Phenol-d6
Concen: 97.983 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

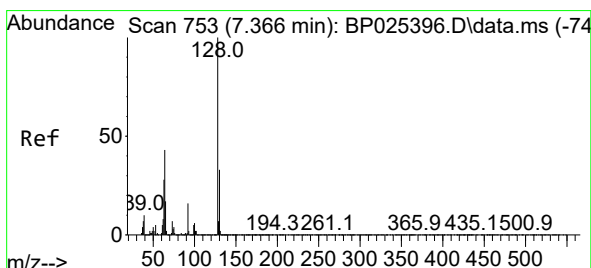
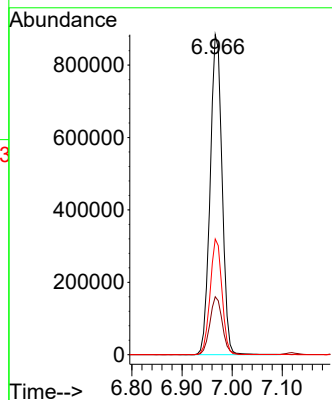
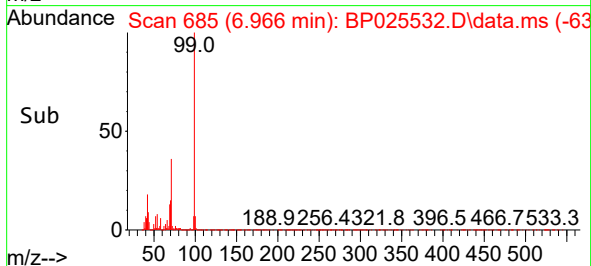
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DRILL CUTTING 1-3 COMPMS



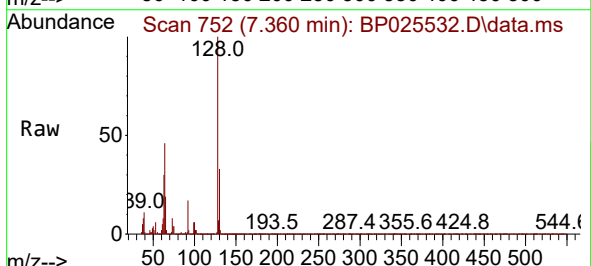
Tgt Ion: 99 Resp: 146186
Ion Ratio Lower Upper
99 100
42 18.1 13.7 20.5
71 36.2 28.2 42.4

Manual Integrations
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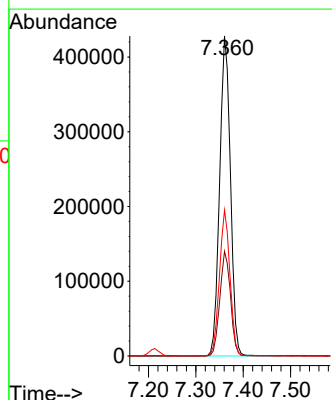
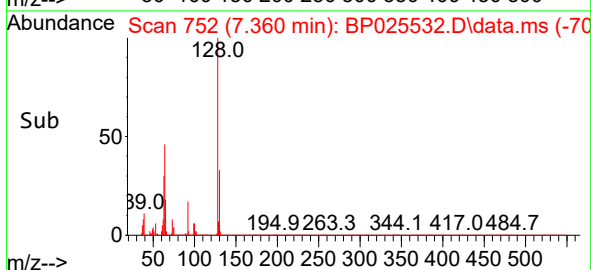
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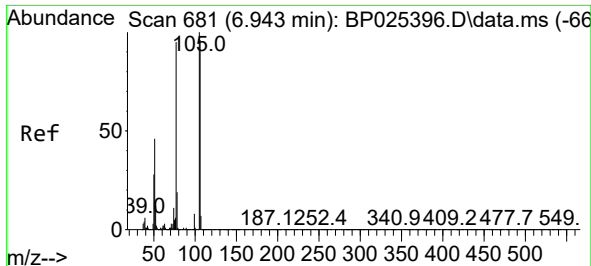


#8
2-Chlorophenol
Concen: 51.520 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



Tgt Ion:128 Resp: 676550
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 45.6 23.4 63.4





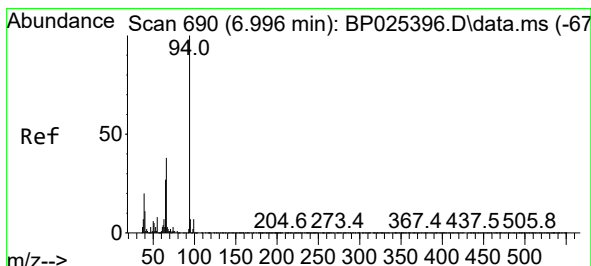
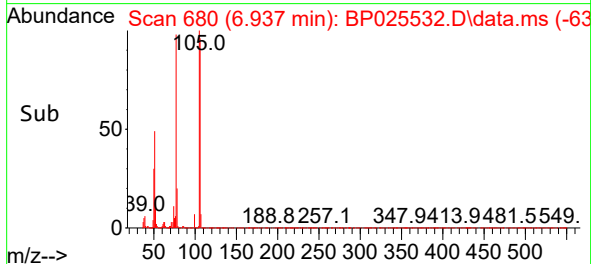
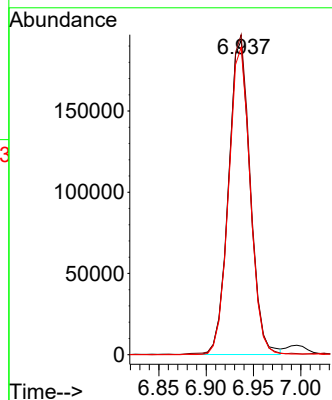
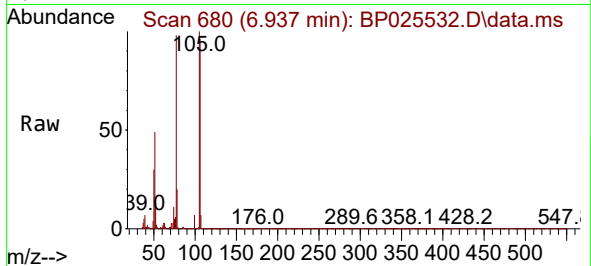
#9
Benzaldehyde
Concen: 29.463 ng
RT: 6.937 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 77 Resp: 30797
Ion Ratio Lower Upper
77 100
105 101.8 84.8 124.8
106 97.8 80.5 120.5

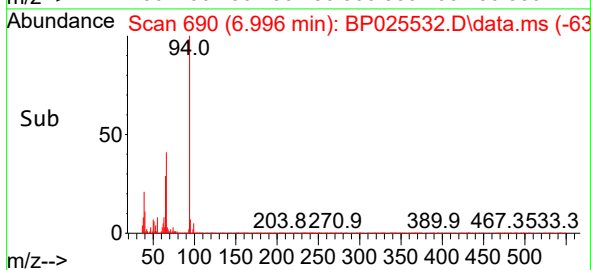
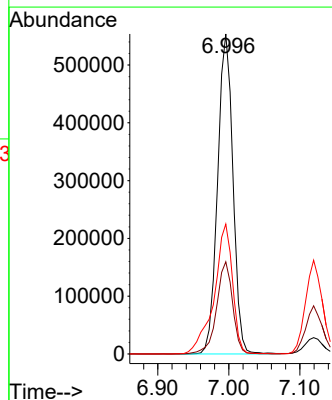
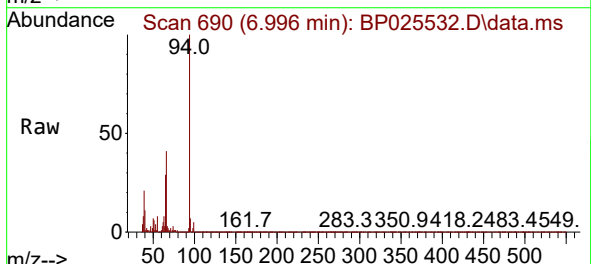
Manual Integrations
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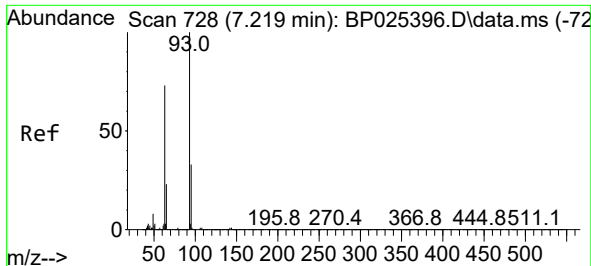
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#10
Phenol
Concen: 52.881 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

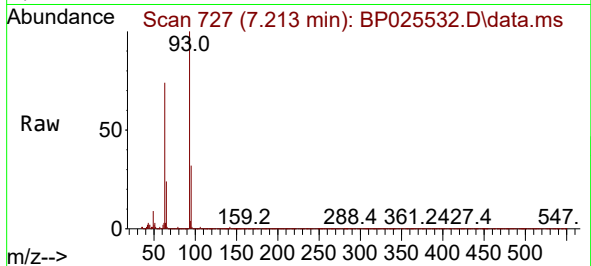
Tgt Ion: 94 Resp: 827862
Ion Ratio Lower Upper
94 100
65 28.8 6.8 46.8
66 40.6 18.2 58.2





#11
bis(2-Chloroethyl)ether
Concen: 46.656 ng
RT: 7.213 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

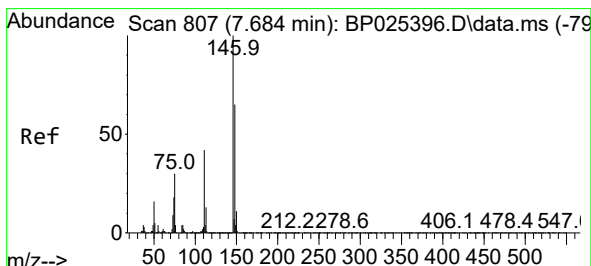
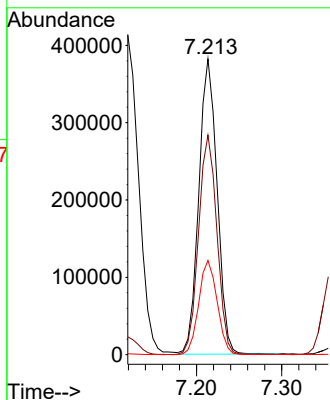
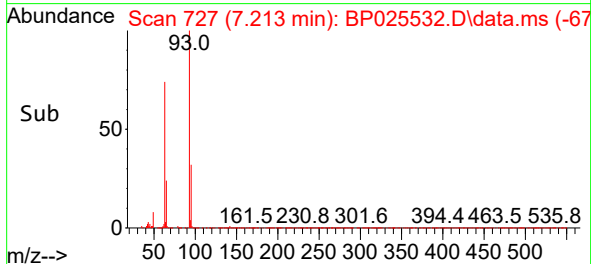
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



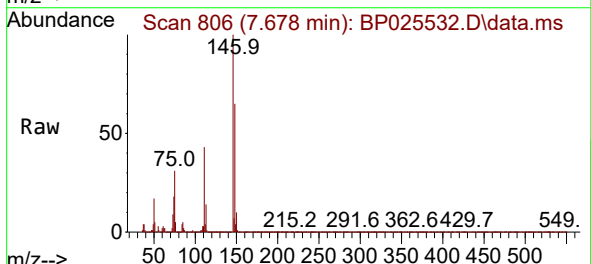
Tgt Ion: 93 Resp: 569290
Ion Ratio Lower Upper
93 100
63 74.2 52.6 92.6
95 31.8 12.7 52.7

Manual Integrations
APPROVED

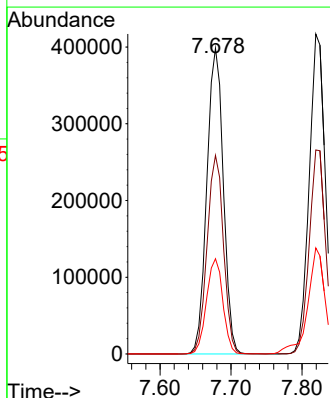
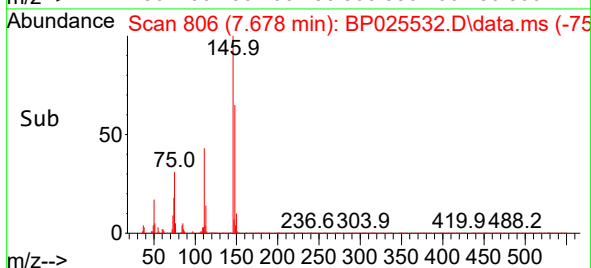
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

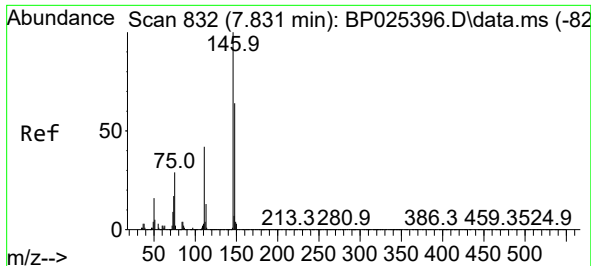


#12
1,3-Dichlorobenzene
Concen: 44.436 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



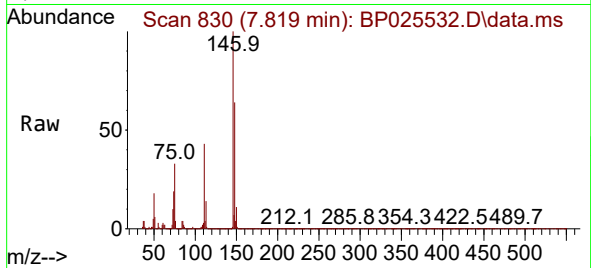
Tgt Ion:146 Resp: 643432
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
75 31.2 23.7 35.5





#13
1,4-Dichlorobenzene
Concen: 44.112 ng
RT: 7.819 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

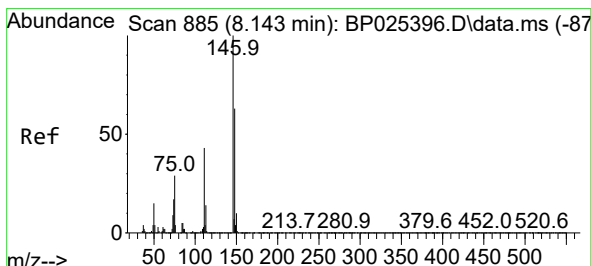
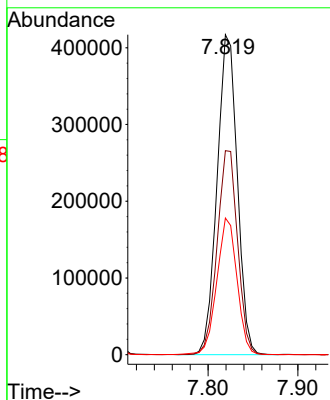
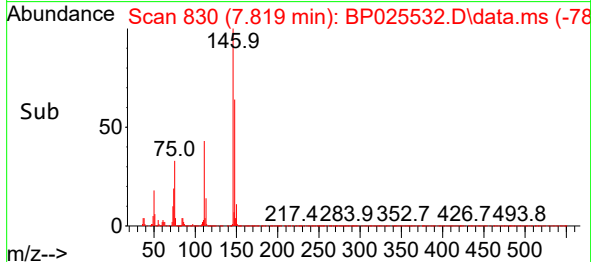
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



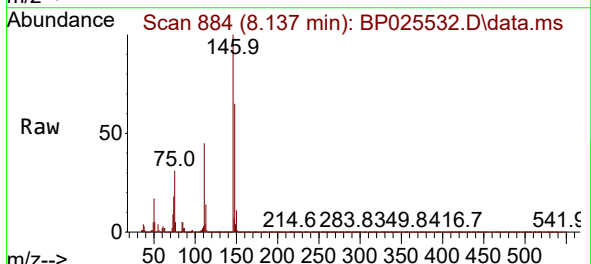
Tgt Ion:146 Resp: 652860
Ion Ratio Lower Upper
146 100
148 63.8 51.6 77.4
111 42.7 33.4 50.0

Manual Integrations
APPROVED

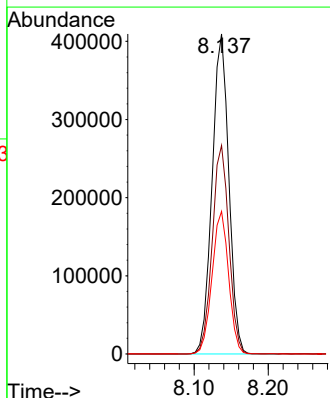
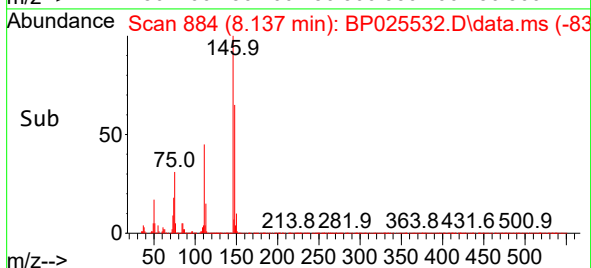
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

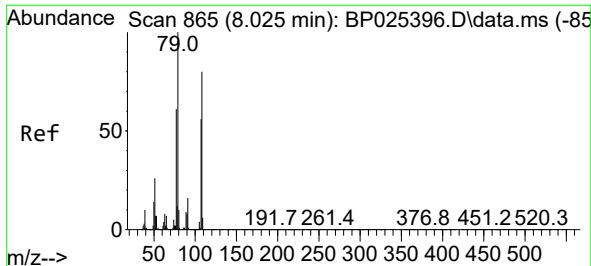


#14
1,2-Dichlorobenzene
Concen: 44.667 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



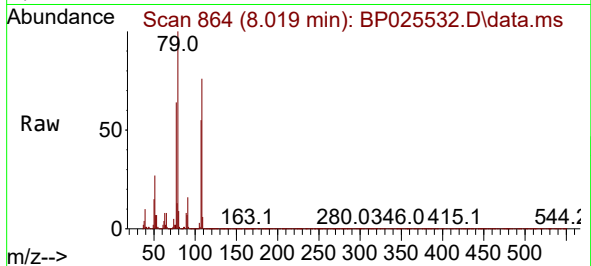
Tgt Ion:146 Resp: 639934
Ion Ratio Lower Upper
146 100
148 65.2 50.4 75.6
111 44.6 34.5 51.7





#15
Benzyl Alcohol
Concen: 52.122 ng
RT: 8.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

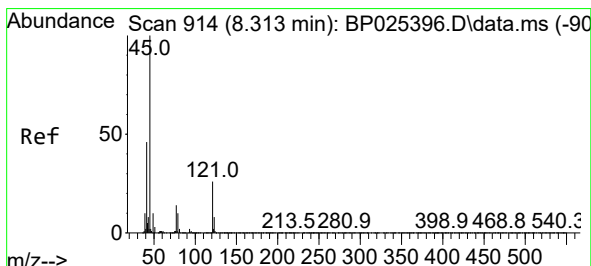
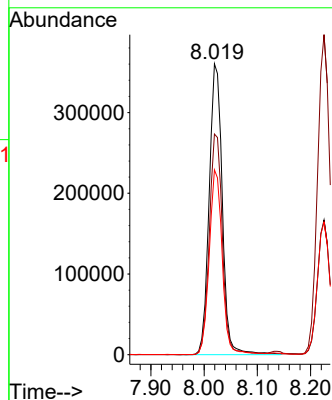
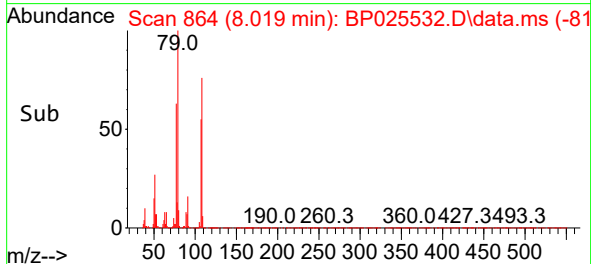
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



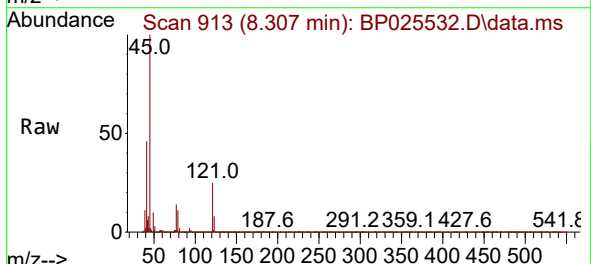
Tgt Ion: 79 Resp: 61788
Ion Ratio Lower Upper
79 100
108 75.9 63.8 95.6
77 63.5 49.0 73.4

Manual Integrations
APPROVED

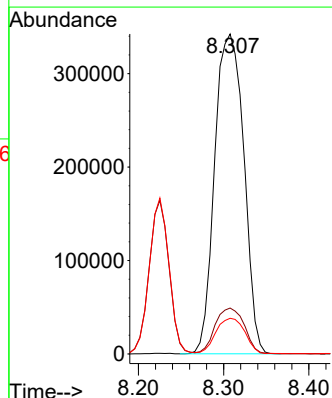
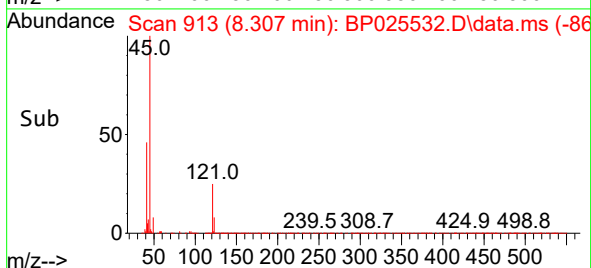
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

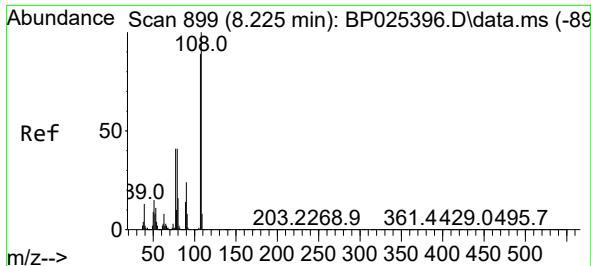


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.691 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



Tgt Ion: 45 Resp: 812250
Ion Ratio Lower Upper
45 100
77 14.4 0.0 35.3
79 11.1 0.0 31.8





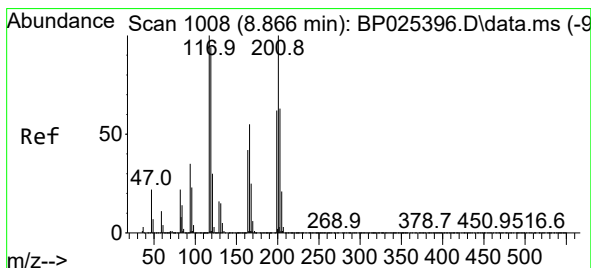
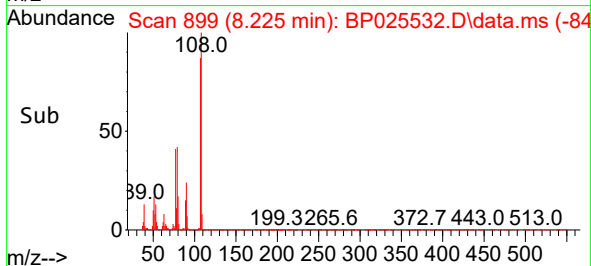
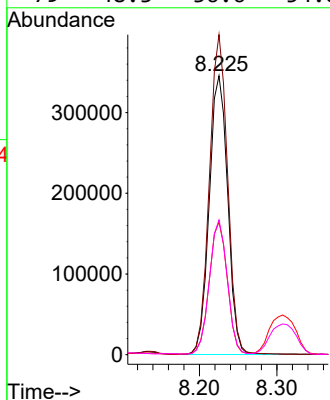
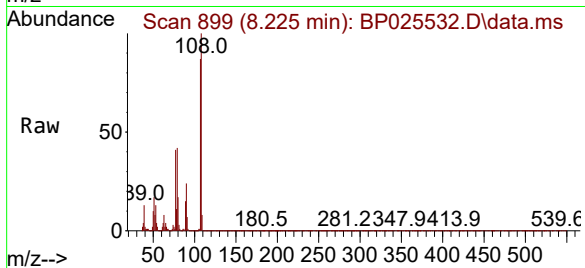
#17
2-Methylphenol
Concen: 52.669 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS

Tgt Ion:	107	Resp:	57266
Ion Ratio	Lower	Upper	
107	100		
108	114.8	89.4	134.0
77	47.6	36.3	54.5
79	48.3	36.6	54.8

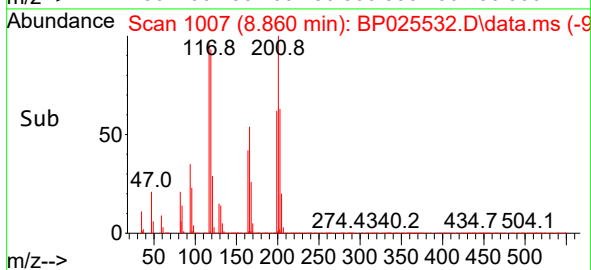
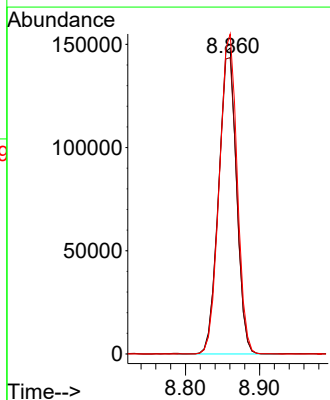
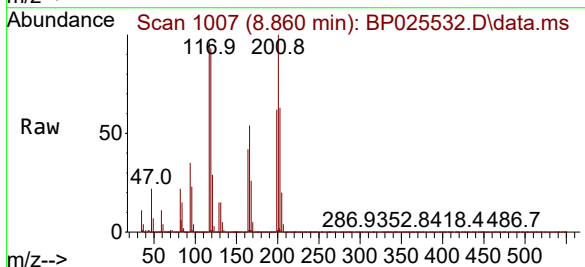
Manual Integrations
APPROVED

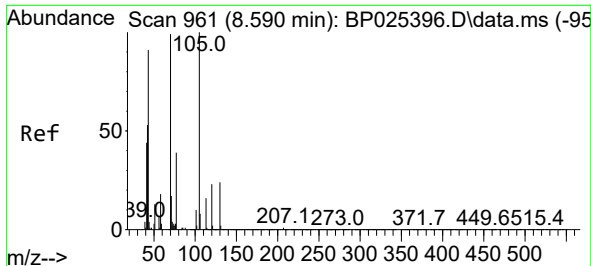
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#18
Hexachloroethane
Concen: 45.409 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

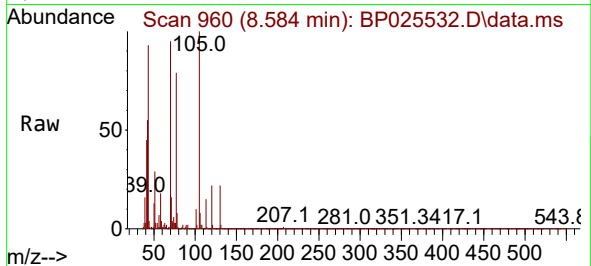
Tgt Ion:	117	Resp:	247099
Ion Ratio	Lower	Upper	
117	100		
119	96.9	75.1	112.7
201	104.6	80.1	120.1





#19
n-Nitroso-di-n-propylamine
Concen: 47.978 ng
RT: 8.584 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

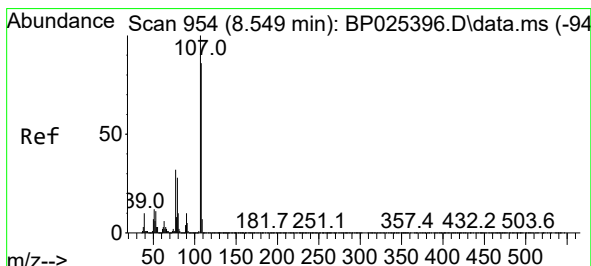
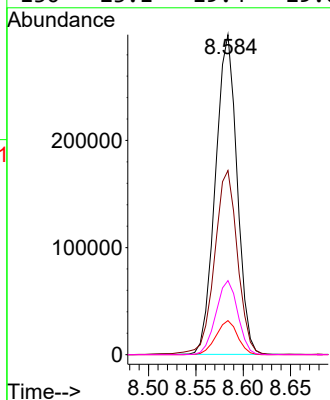
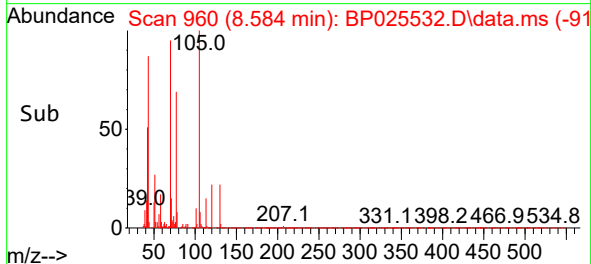
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



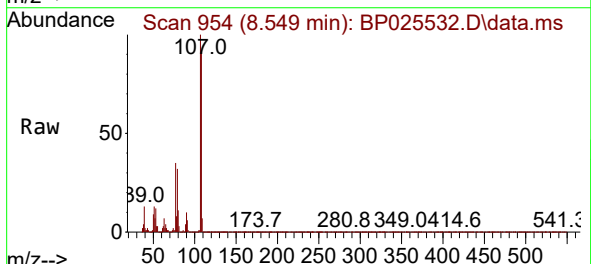
Tgt Ion: 70 Resp: 47414
Ion Ratio Lower Upper
70 100
42 57.6 43.8 65.6
101 10.6 8.5 12.7
130 23.1 19.4 29.0

Manual Integrations
APPROVED

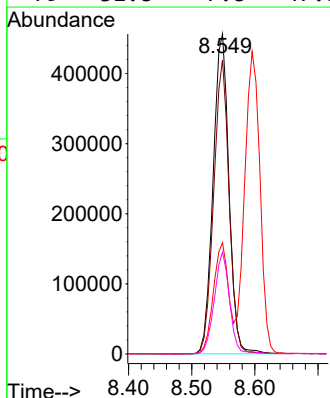
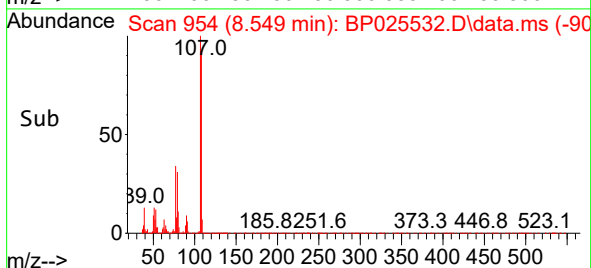
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

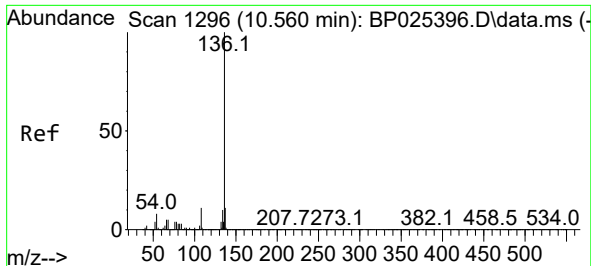


#20
3+4-Methylphenols
Concen: 52.758 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



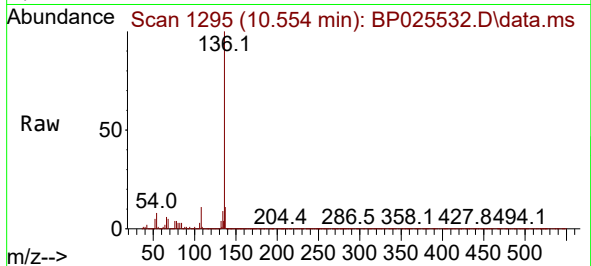
Tgt Ion:107 Resp: 795140
Ion Ratio Lower Upper
107 100
108 91.9 66.3 106.3
77 34.8 12.3 52.3
79 31.8 7.8 47.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

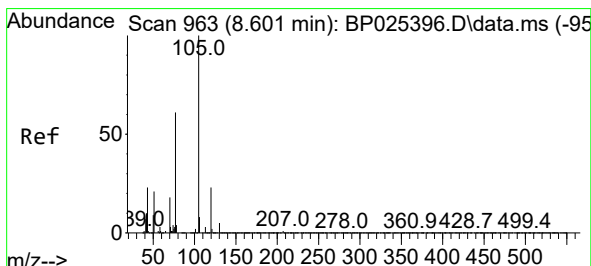
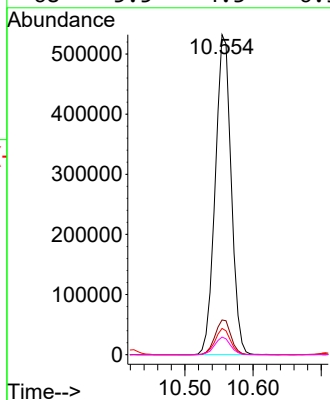
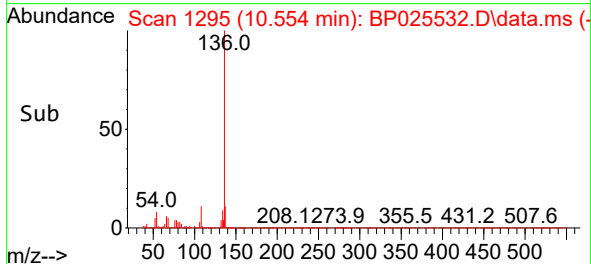
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:	136	Resp:	862914
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	8.2	6.0	9.0
68	5.5	4.3	6.5

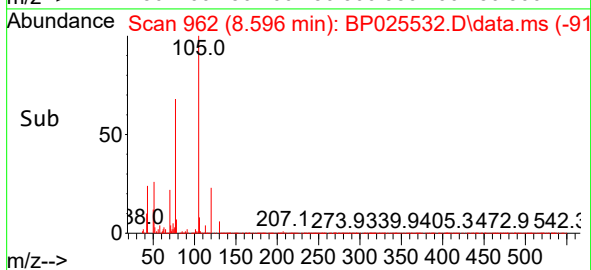
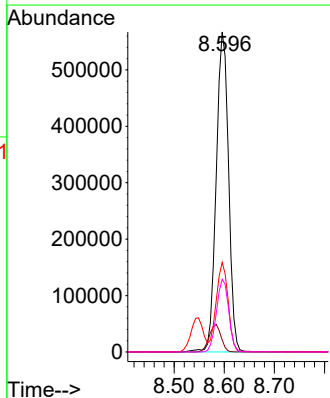
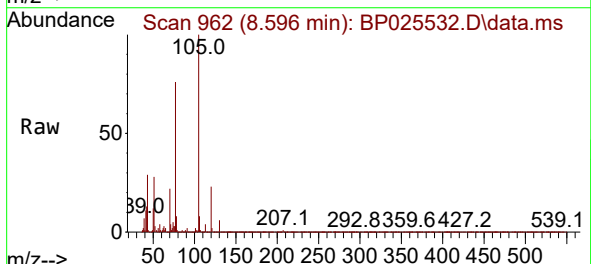
Manual Integrations
APPROVED

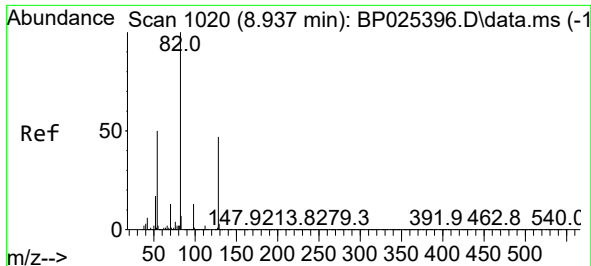
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#22
Acetophenone
Concen: 44.724 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

Tgt Ion:	105	Resp:	967840
Ion Ratio	Lower	Upper	
105	100		
71	3.8	2.6	4.0
51	28.0	20.6	30.8
120	22.7	18.6	27.8





#23

Nitrobenzene-d5

Concen: 54.080 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion: 82 Resp: 92253

Ion Ratio Lower Upper

82 100

128 44.6 37.7 56.5

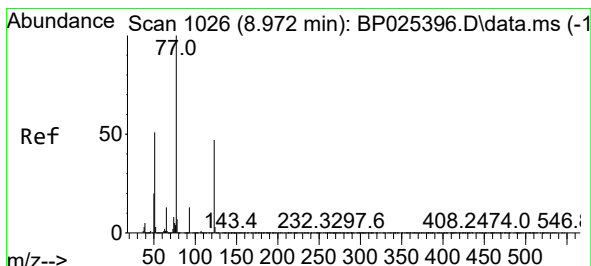
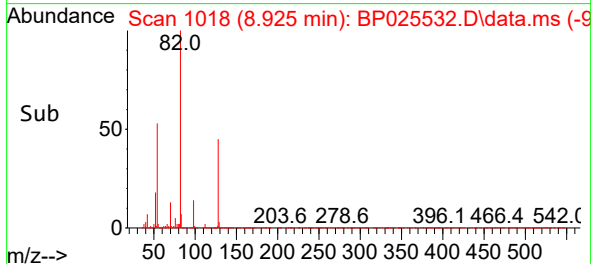
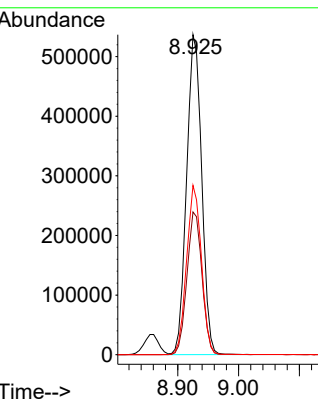
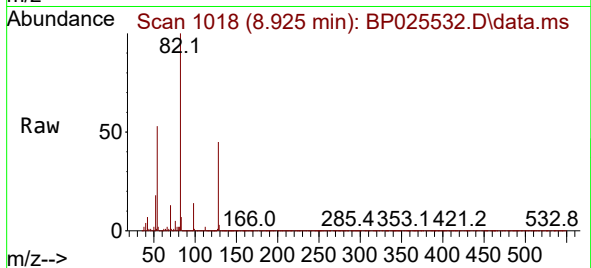
54 52.9 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#24

Nitrobenzene

Concen: 46.451 ng

RT: 8.972 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

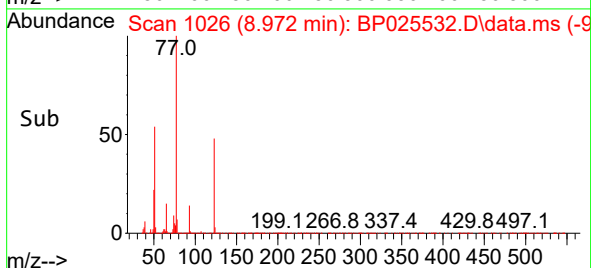
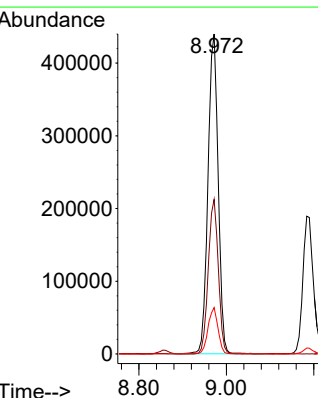
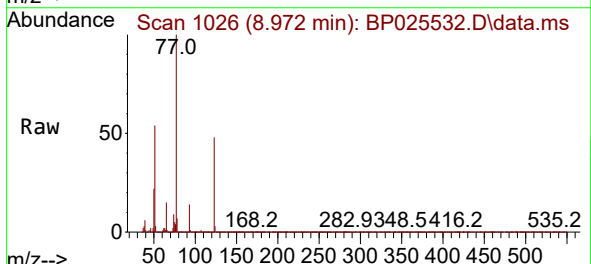
Tgt Ion: 77 Resp: 708164

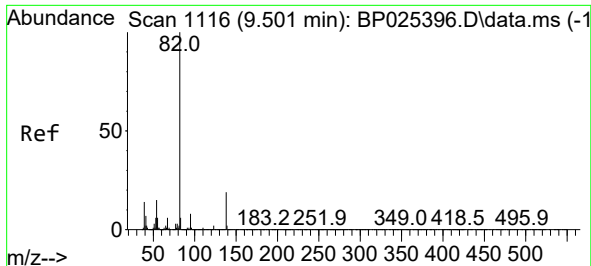
Ion Ratio Lower Upper

77 100

123 48.3 38.6 58.0

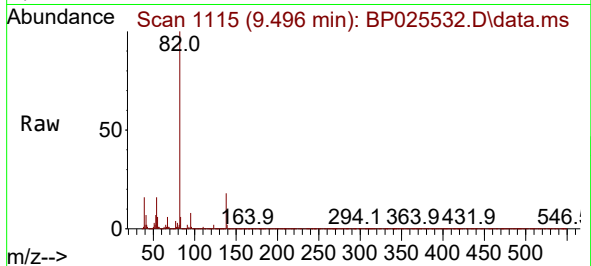
65 14.5 10.6 15.8





#25
Isophorone
Concen: 46.198 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

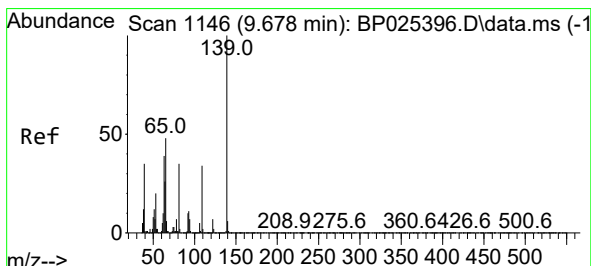
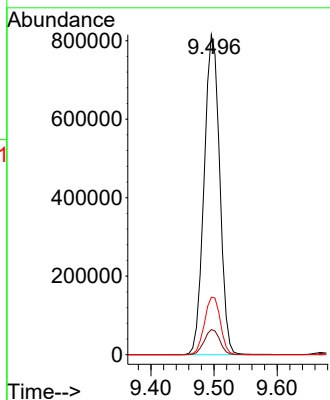
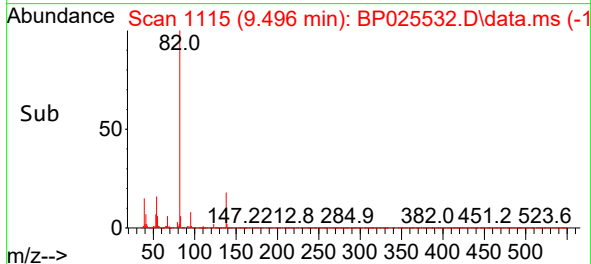
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion: 82 Resp: 139467
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.0 15.4 23.0

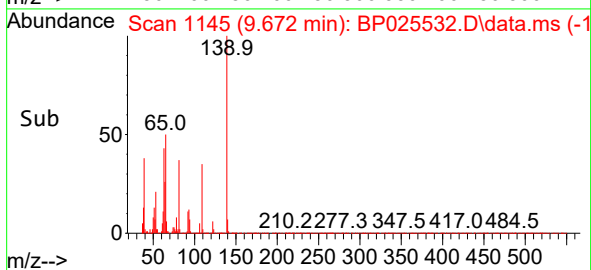
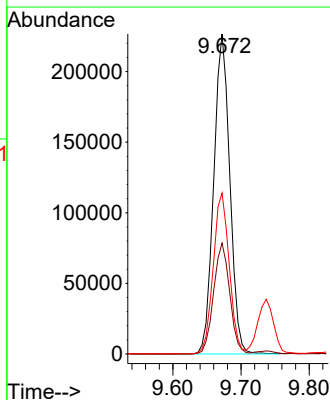
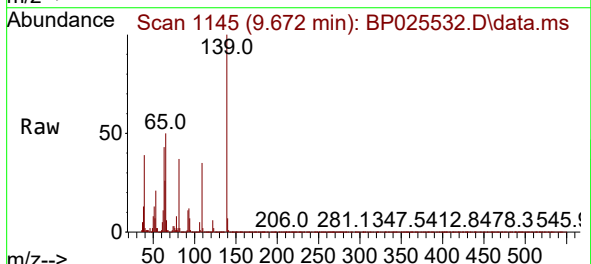
Manual Integrations
APPROVED

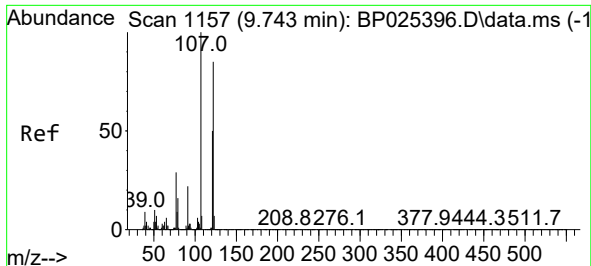
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#26
2-Nitrophenol
Concen: 47.517 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

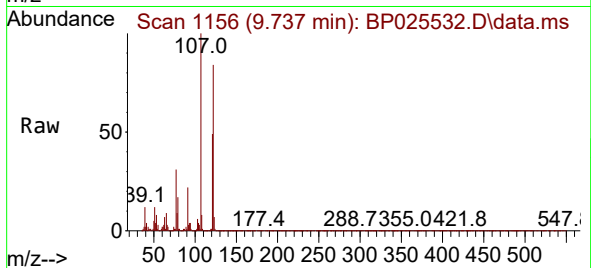
Tgt Ion:139 Resp: 371775
Ion Ratio Lower Upper
139 100
109 34.7 26.9 40.3
65 50.3 38.3 57.5





#27
2,4-Dimethylphenol
Concen: 43.785 ng
RT: 9.737 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

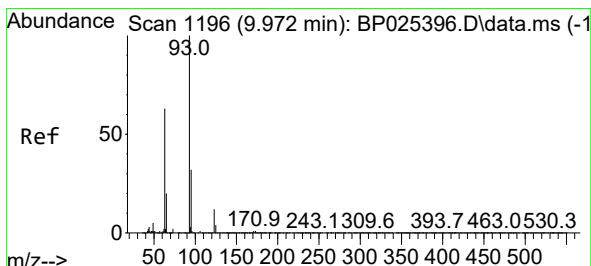
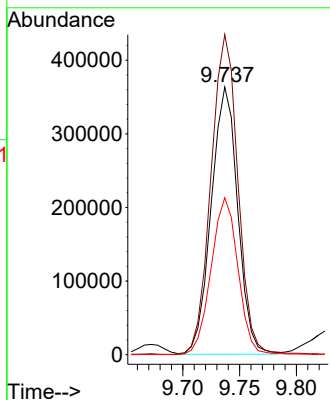
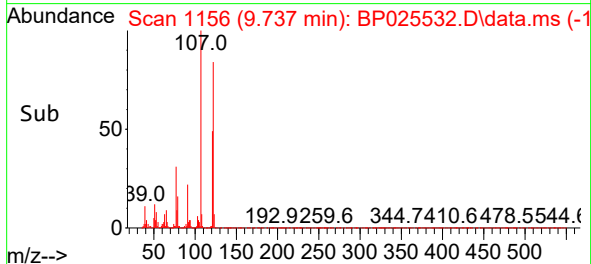
Instrument : BNA_P
ClientSampleId : DRILL CUTTING 1-3 COMPMS



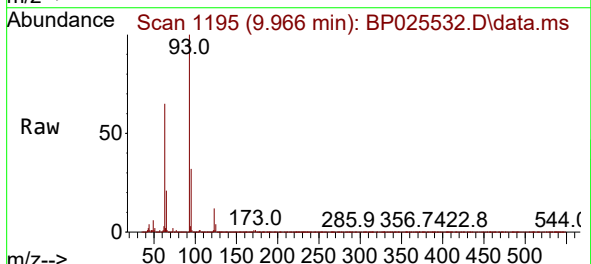
Tgt Ion: 122 Resp: 58913
Ion Ratio Lower Upper
122 100
107 119.6 93.7 140.5
121 58.7 46.6 69.8

Manual Integrations
APPROVED

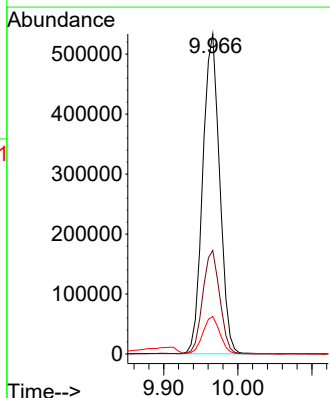
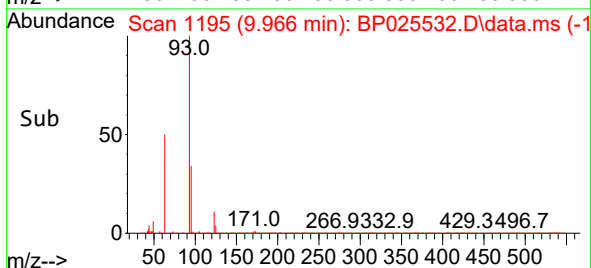
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

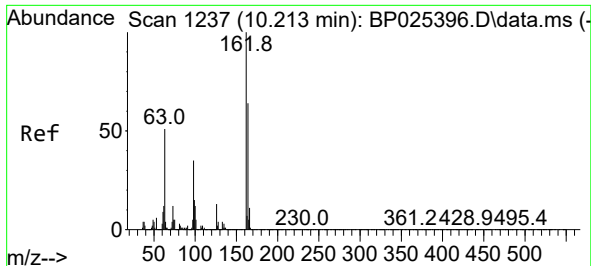


#28
bis(2-Chloroethoxy)methane
Concen: 46.155 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



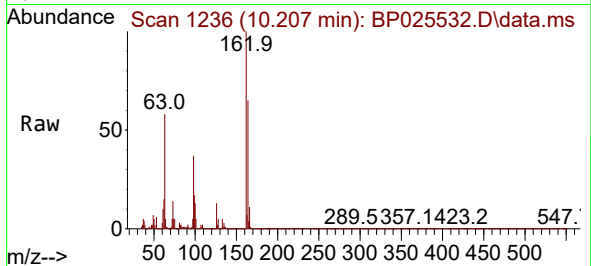
Tgt Ion: 93 Resp: 842262
Ion Ratio Lower Upper
93 100
95 32.3 25.4 38.0
123 11.7 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 51.111 ng
RT: 10.207 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

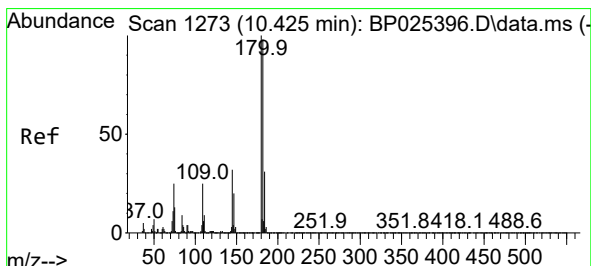
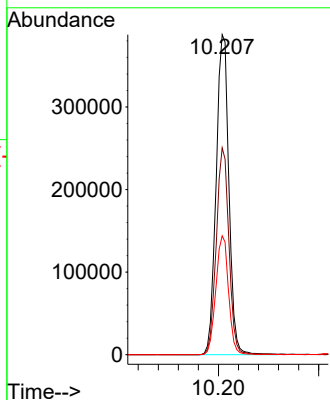
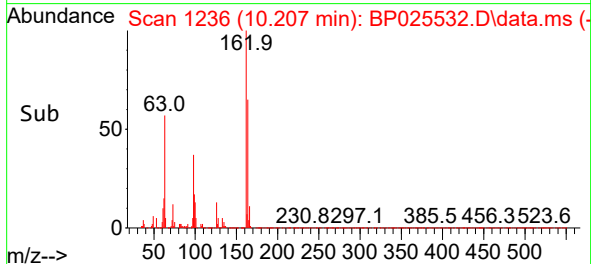
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



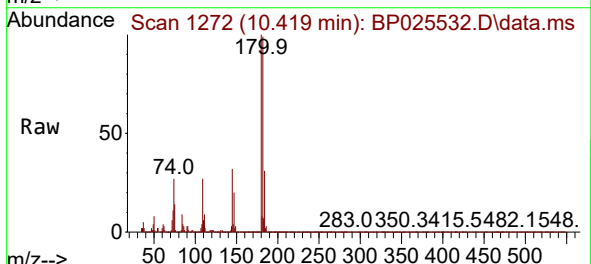
Tgt Ion:162 Resp: 683162
Ion Ratio Lower Upper
162 100
164 64.7 44.4 84.4
98 37.1 14.9 54.9

Manual Integrations
APPROVED

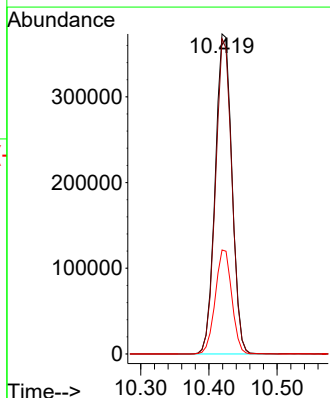
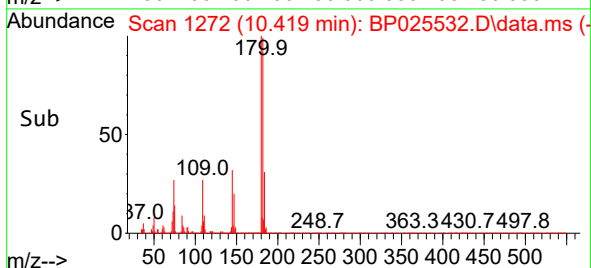
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

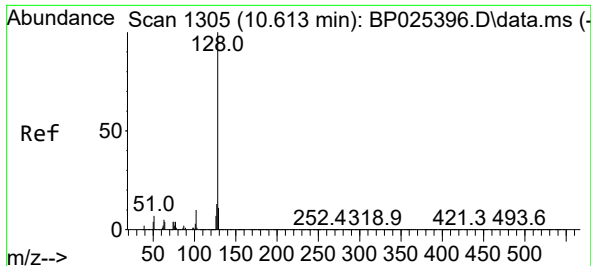


#30
1,2,4-Trichlorobenzene
Concen: 43.454 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



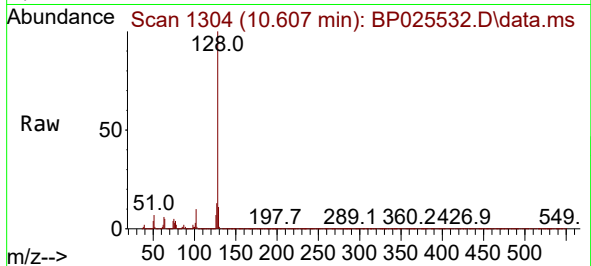
Tgt Ion:180 Resp: 636697
Ion Ratio Lower Upper
180 100
182 98.5 78.0 117.0
145 32.5 25.9 38.9





#31
Naphthalene
Concen: 44.666 ng
RT: 10.607 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

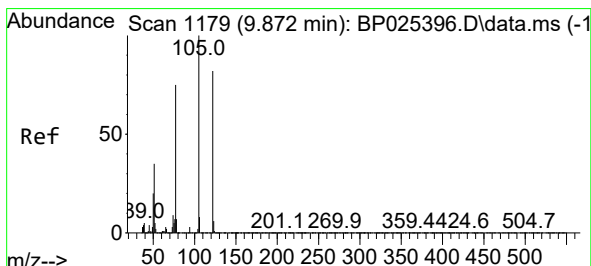
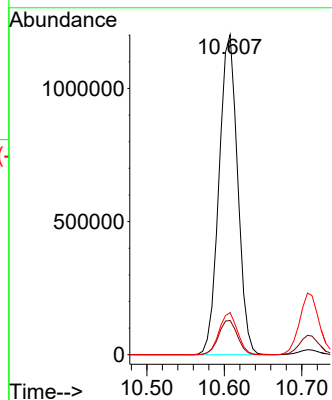
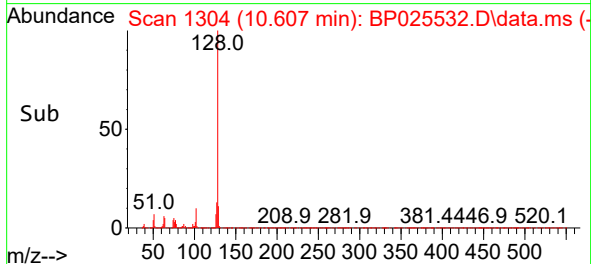
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:128 Resp: 2003290
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.1 10.7 16.1

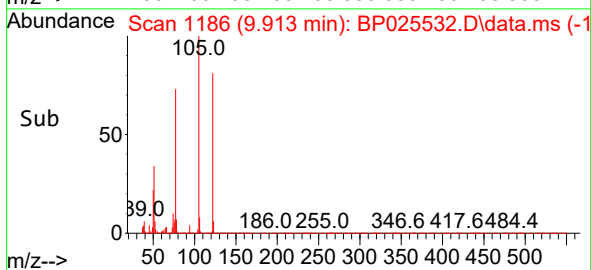
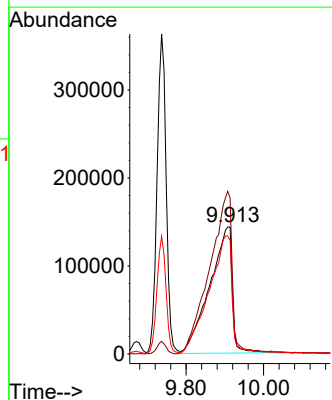
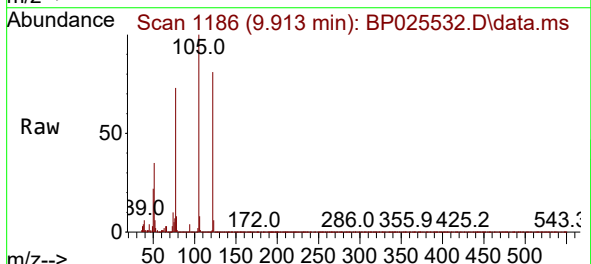
Manual Integrations
APPROVED

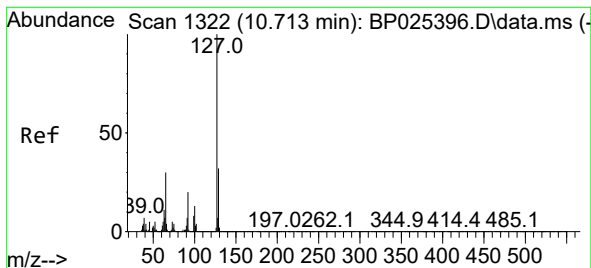
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#32
Benzoic acid
Concen: 58.551 ng
RT: 9.913 min Scan# 1186
Delta R.T. 0.041 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

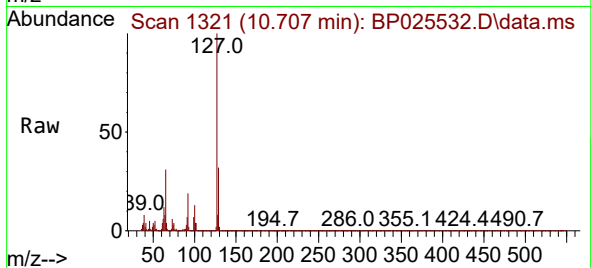
Tgt Ion:122 Resp: 581624
Ion Ratio Lower Upper
122 100
105 122.8 100.6 140.6
77 89.8 71.5 111.5





#33
4-Chloroaniline
Concen: 20.881 ng
RT: 10.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

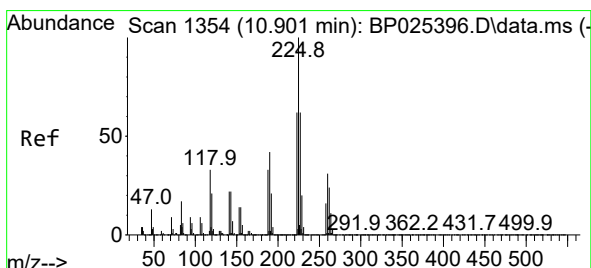
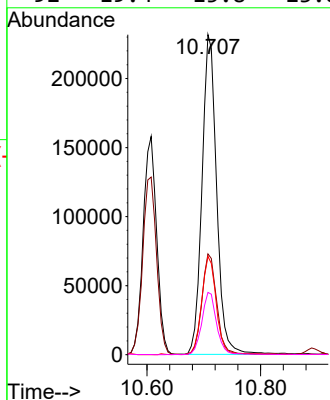
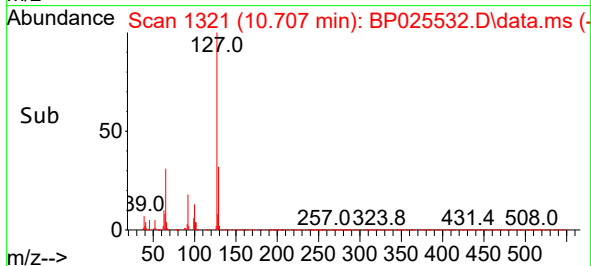
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:127 Resp: 413684
Ion Ratio Lower Upper
127 100
129 31.5 25.4 38.2
65 30.7 23.8 35.6
92 19.4 15.8 23.8

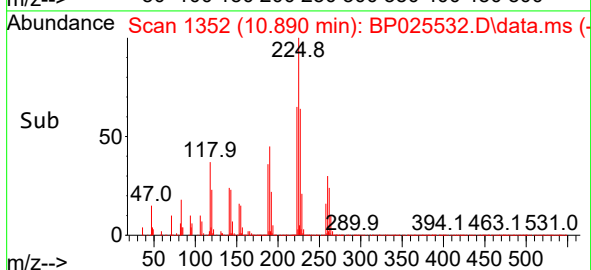
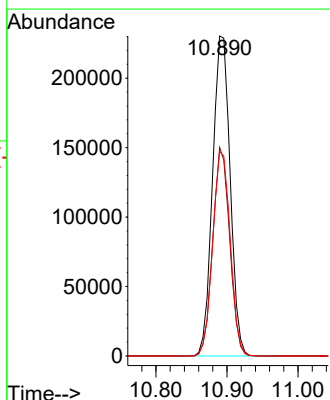
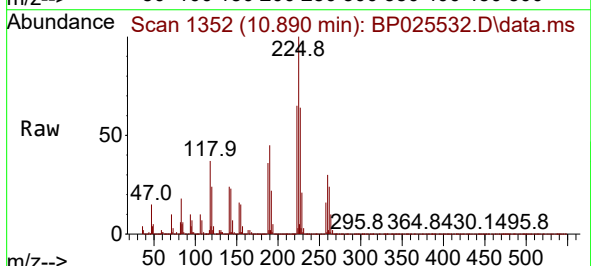
Manual Integrations
APPROVED

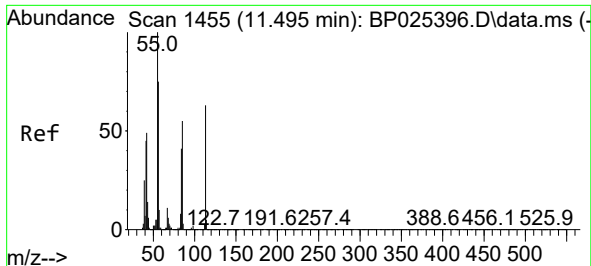
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#34
Hexachlorobutadiene
Concen: 43.224 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

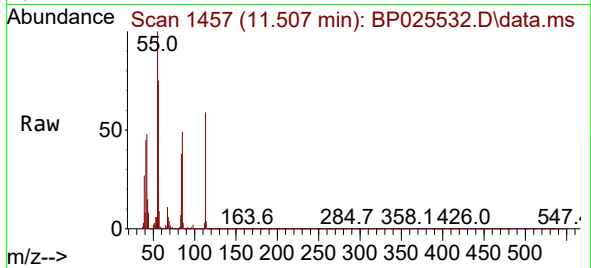
Tgt Ion:225 Resp: 394420
Ion Ratio Lower Upper
225 100
223 65.2 50.0 75.0
227 63.9 49.7 74.5





#35
Caprolactam
Concen: 54.351 ng m
RT: 11.507 min Scan# 1455
Delta R.T. 0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

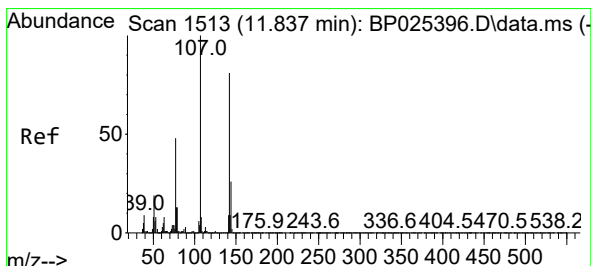
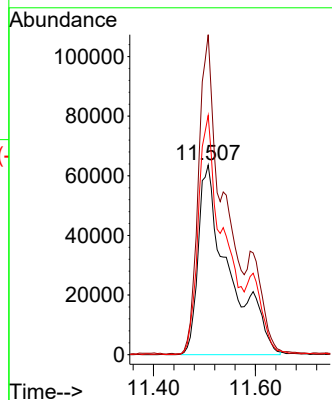
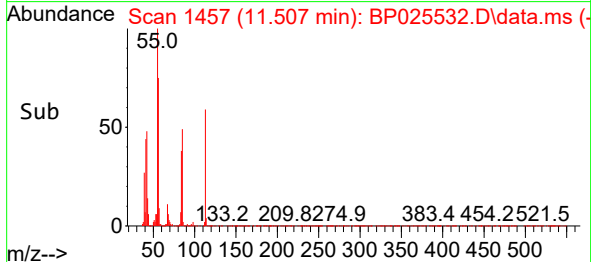
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:113 Resp: 26638
Ion Ratio Lower Upper
113 100
55 168.7 140.0 180.0
56 126.2 100.0 140.0

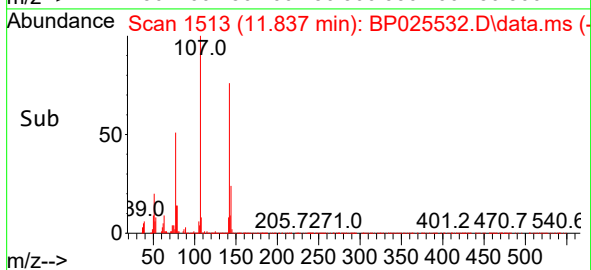
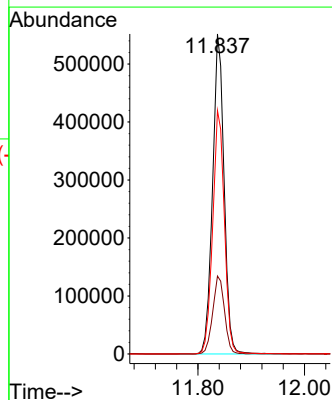
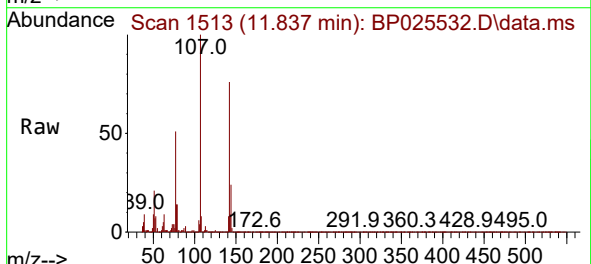
Manual Integrations
APPROVED

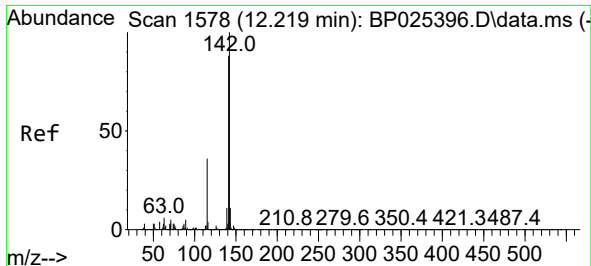
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#36
4-Chloro-3-methylphenol
Concen: 54.004 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

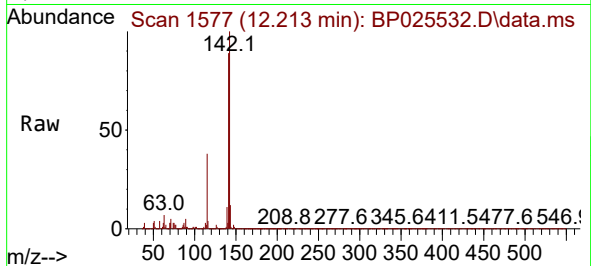
Tgt Ion:107 Resp: 828279
Ion Ratio Lower Upper
107 100
144 24.4 21.0 31.4
142 76.0 64.6 97.0





#37
2-Methylnaphthalene
Concen: 46.818 ng
RT: 12.213 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

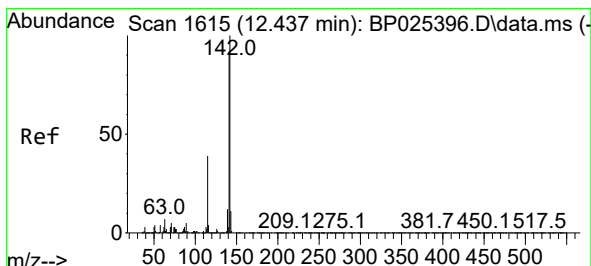
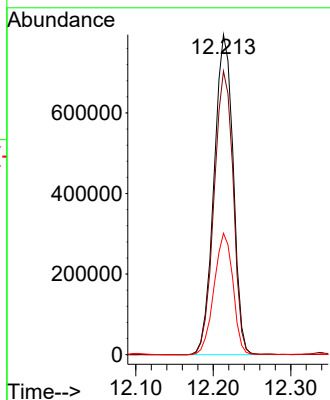
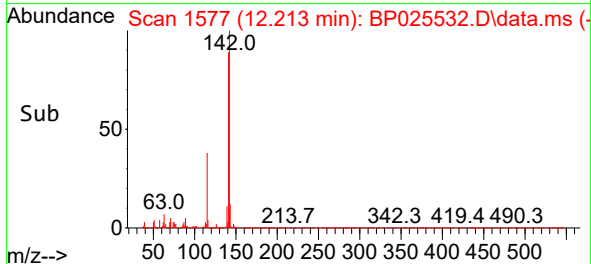
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



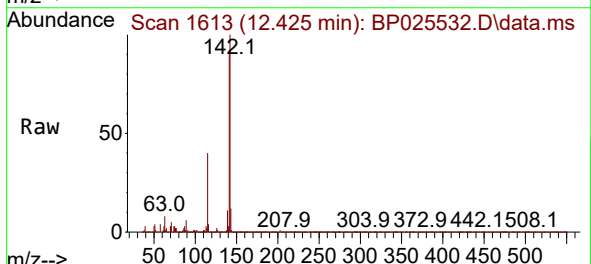
Tgt Ion:142 Resp: 1366490
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 38.0 28.9 43.3

Manual Integrations
APPROVED

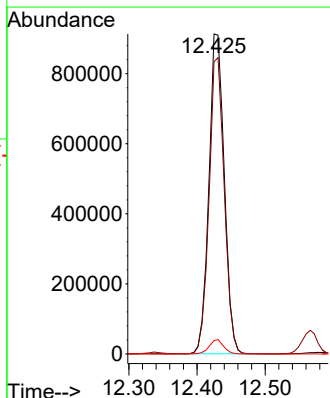
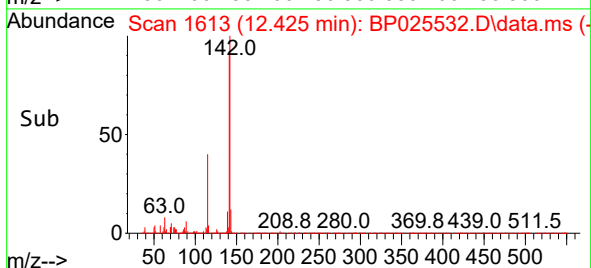
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

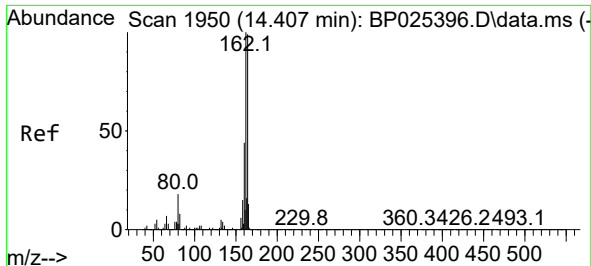


#38
1-Methylnaphthalene
Concen: 46.224 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



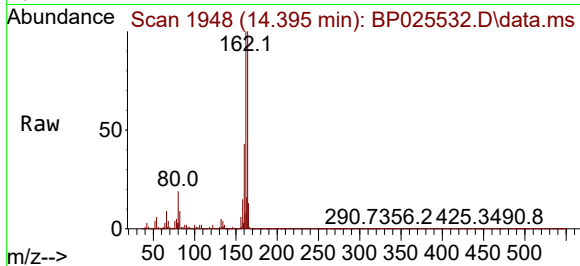
Tgt Ion:142 Resp: 1434778
Ion Ratio Lower Upper
142 100
141 91.4 73.1 109.7
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

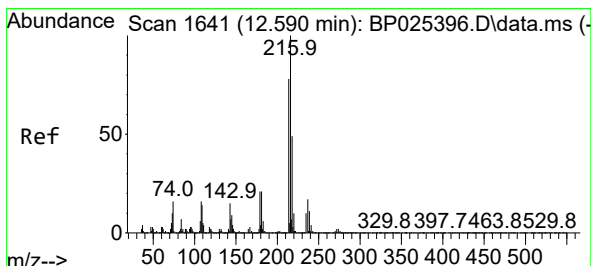
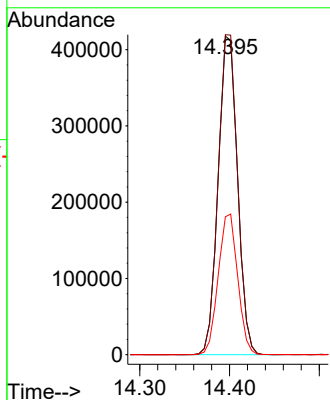
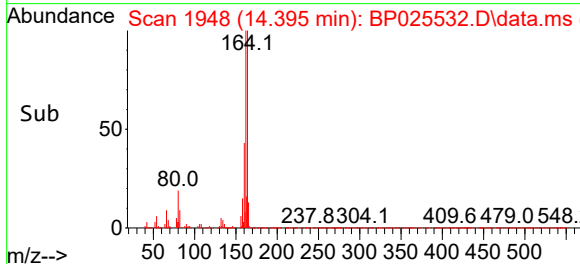
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:164 Resp: 625092
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 43.3 35.4 53.2

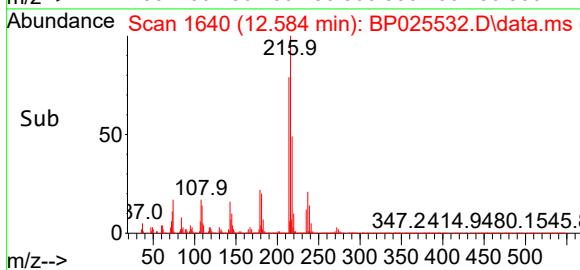
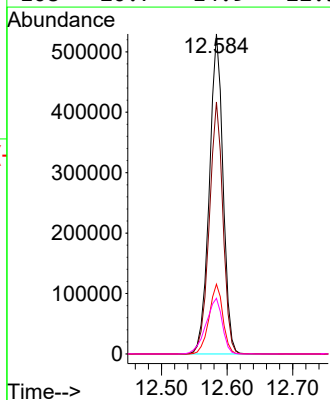
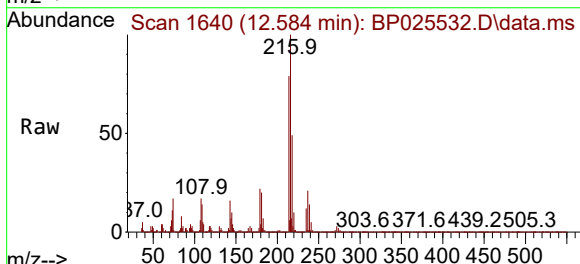
Manual Integrations
APPROVED

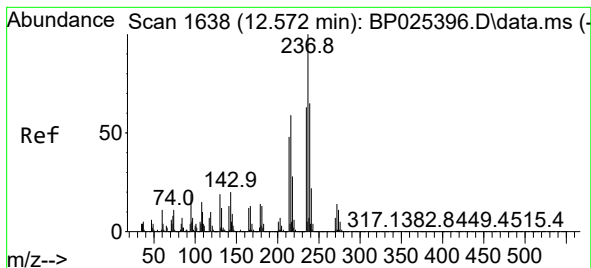
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.635 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

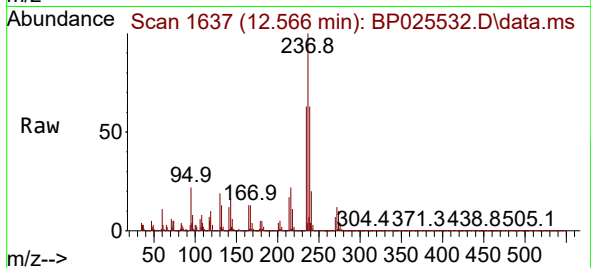
Tgt Ion:216 Resp: 769709
Ion Ratio Lower Upper
216 100
214 78.4 63.0 94.4
179 21.9 17.1 25.7
108 20.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 76.530 ng
RT: 12.566 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

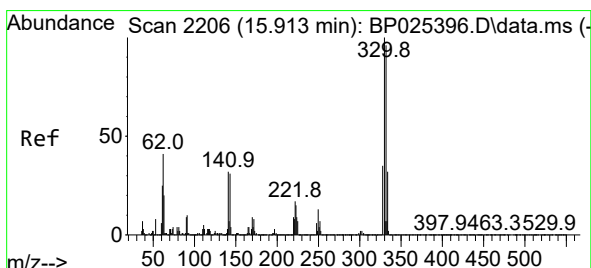
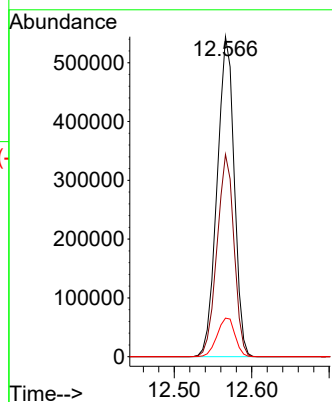
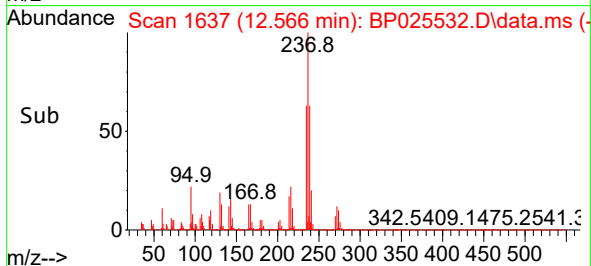
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:237 Resp: 834559
Ion Ratio Lower Upper
237 100
235 63.2 42.7 82.7
272 12.1 0.0 34.0

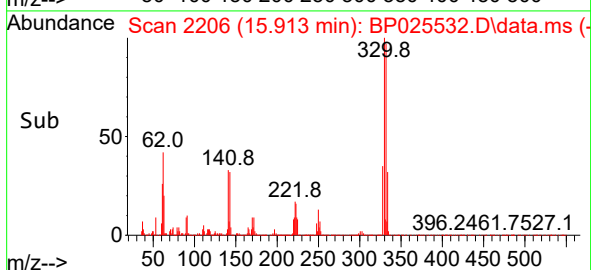
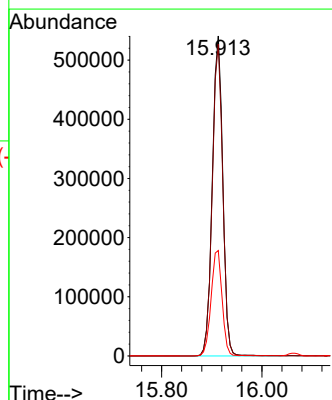
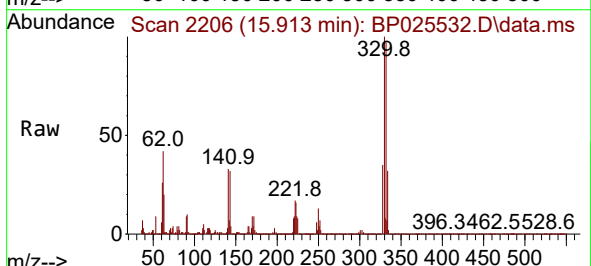
Manual Integrations
APPROVED

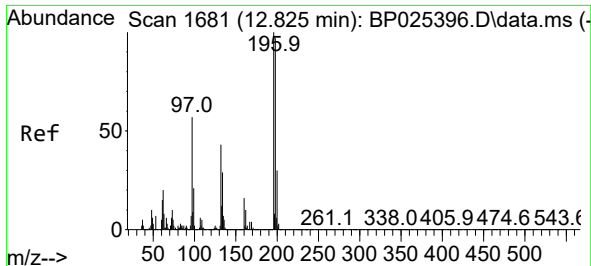
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#42
2,4,6-Tribromophenol
Concen: 93.329 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

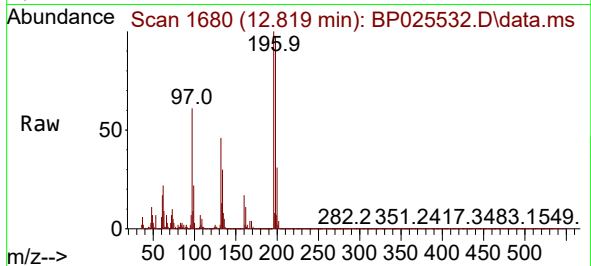
Tgt Ion:330 Resp: 785252
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 34.6 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 48.467 ng
RT: 12.819 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

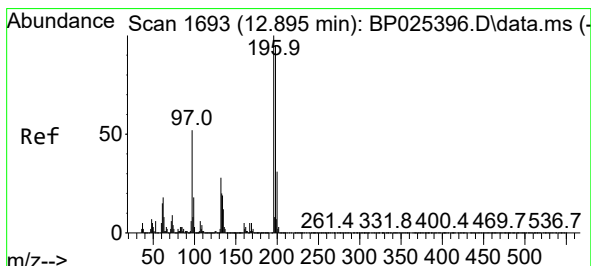
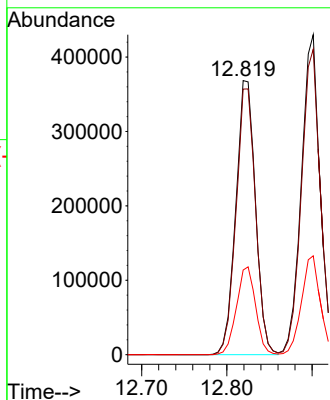
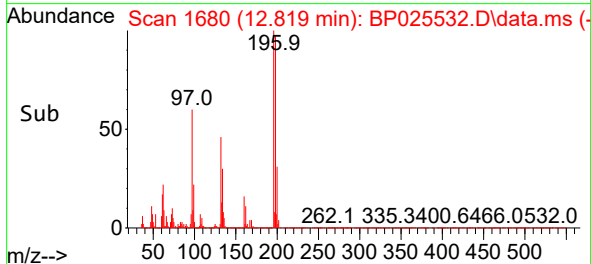
Instrument : BNA_P
ClientSampleId : DRILL CUTTING 1-3 COMPMS



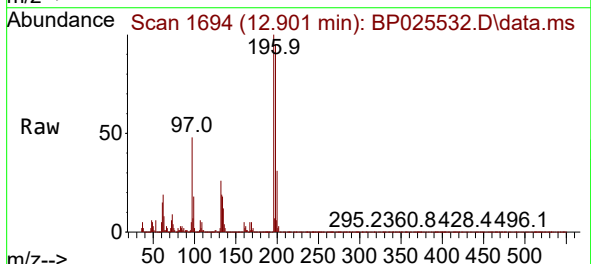
Tgt Ion:196 Resp: 590719
Ion Ratio Lower Upper
196 100
198 96.9 77.2 115.8
200 30.9 23.9 35.9

Manual Integrations
APPROVED

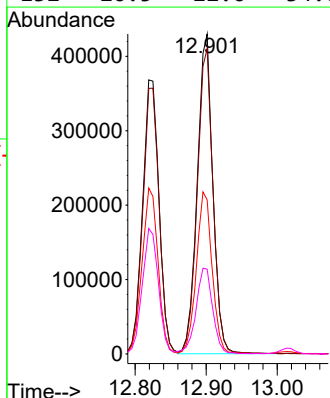
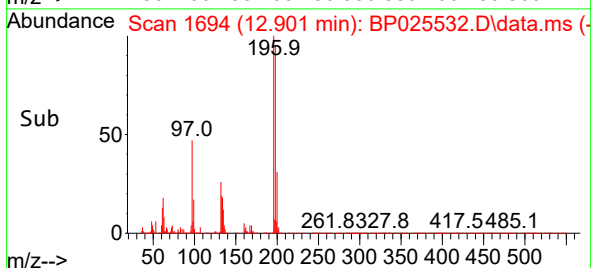
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

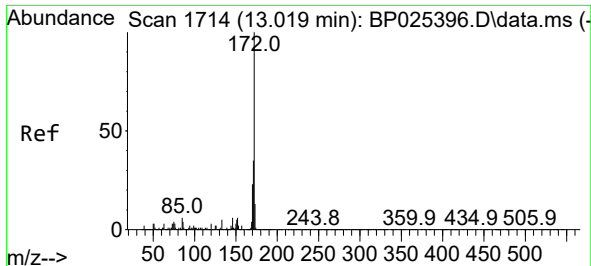


#44
2,4,5-Trichlorophenol
Concen: 49.338 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



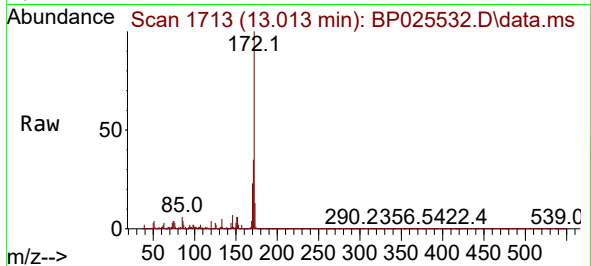
Tgt Ion:196 Resp: 659037
Ion Ratio Lower Upper
196 100
198 95.5 76.2 114.2
97 48.2 41.2 61.8
132 26.5 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 48.485 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

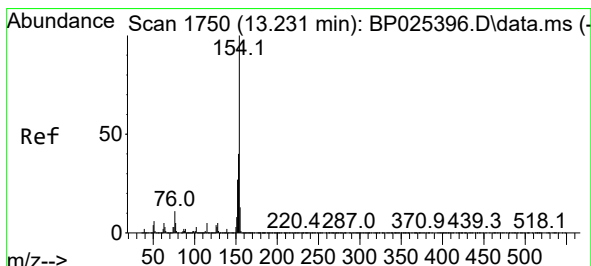
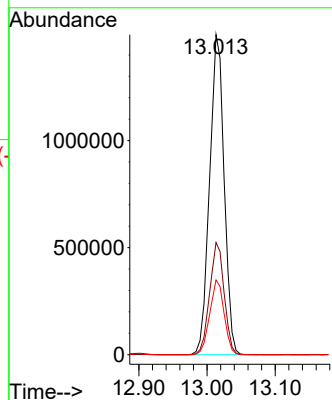
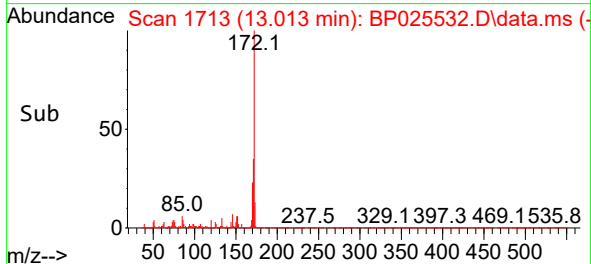
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



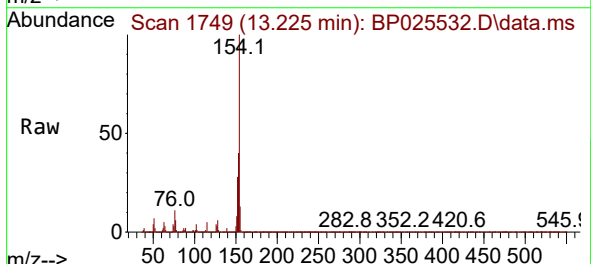
Tgt Ion:172 Resp: 221759
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 18.6 28.0

Manual Integrations
APPROVED

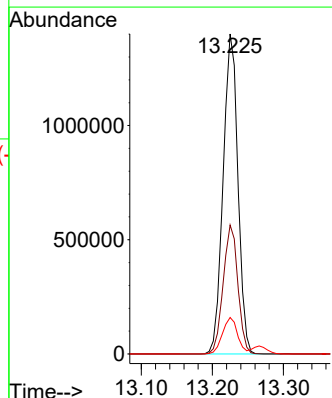
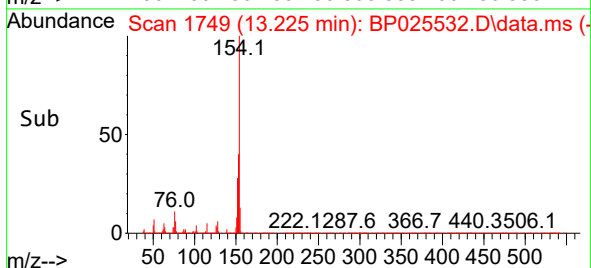
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

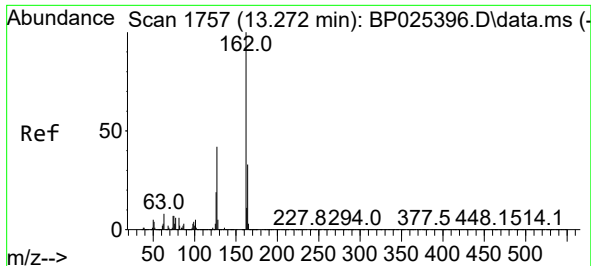


#46
1,1'-Biphenyl
Concen: 44.409 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



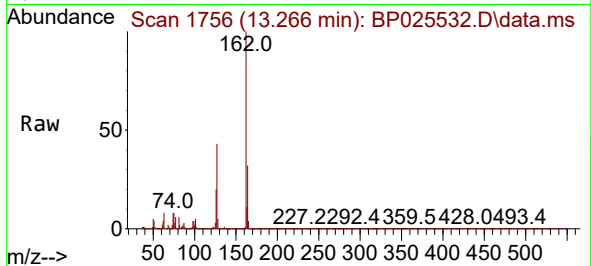
Tgt Ion:154 Resp: 2016067
Ion Ratio Lower Upper
154 100
153 40.3 19.5 59.5
76 11.4 0.0 31.1





#47
2-Chloronaphthalene
Concen: 44.047 ng
RT: 13.266 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

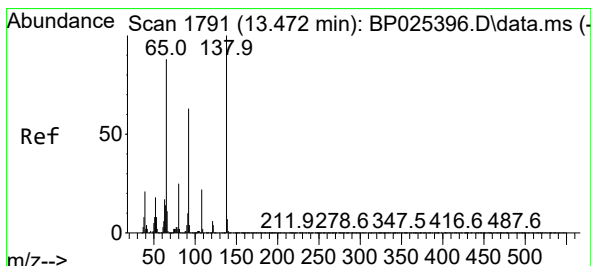
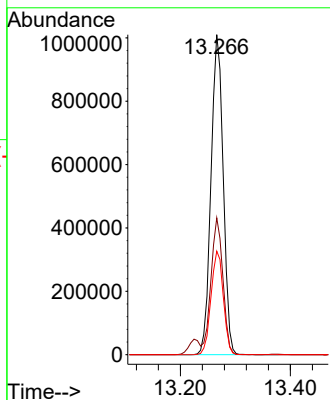
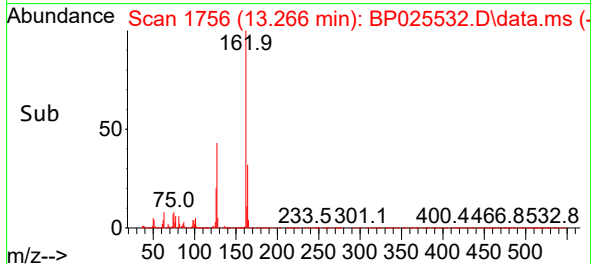
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



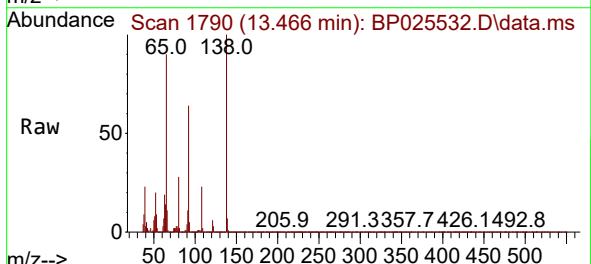
Tgt Ion:162 Resp: 1556694
Ion Ratio Lower Upper
162 100
127 42.7 33.4 50.2
164 32.4 26.2 39.2

Manual Integrations
APPROVED

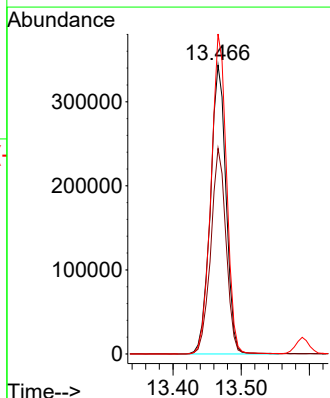
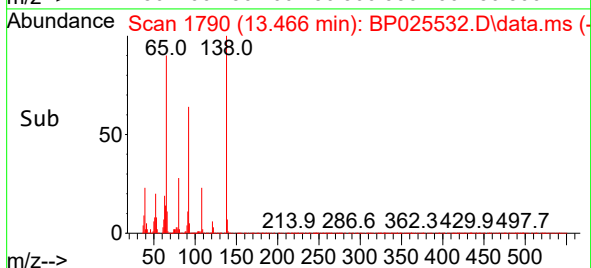
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

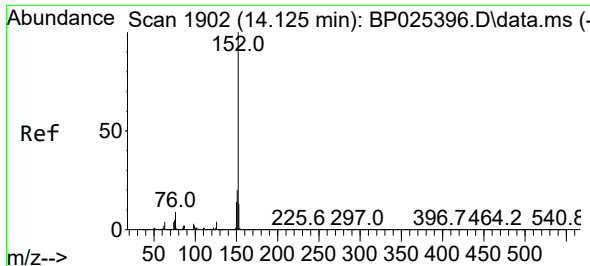


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



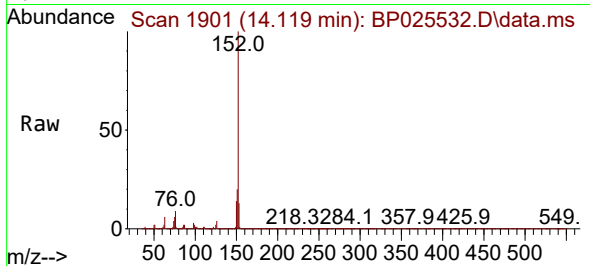
Tgt Ion: 65 Resp: 548687
Ion Ratio Lower Upper
65 100
92 71.1 57.6 86.4
138 110.7 91.0 136.6





#49
Acenaphthylene
Concen: 45.367 ng
RT: 14.119 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

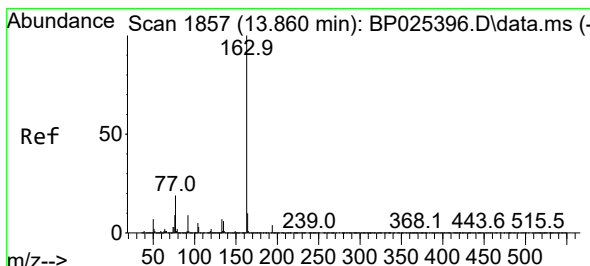
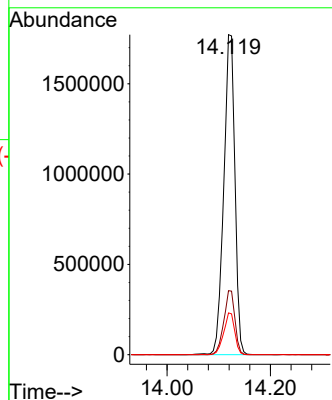
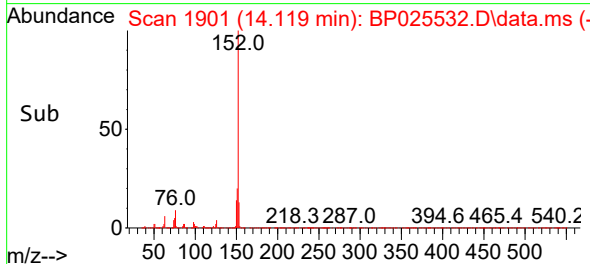
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



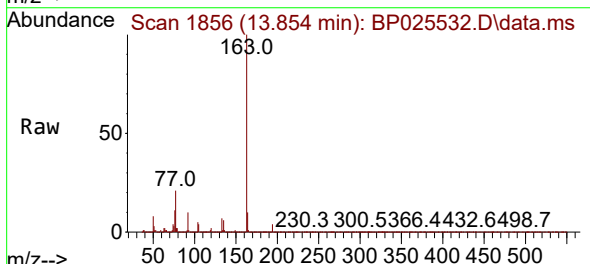
Tgt Ion:152 Resp: 265306
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.0 10.6 15.8

Manual Integrations
APPROVED

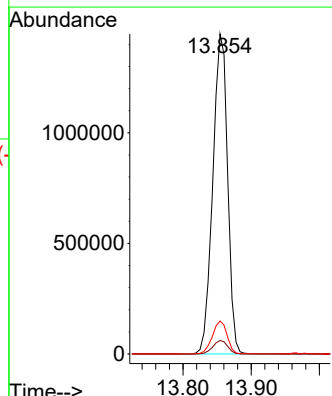
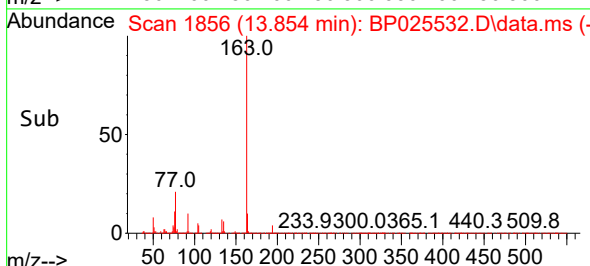
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

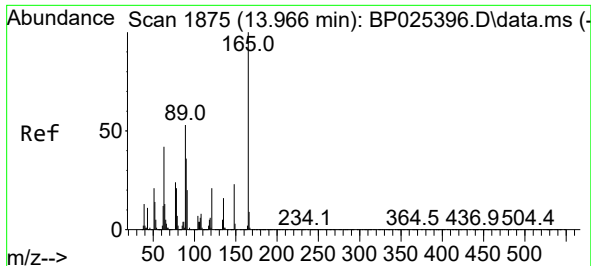


#50
Dimethylphthalate
Concen: 47.715 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



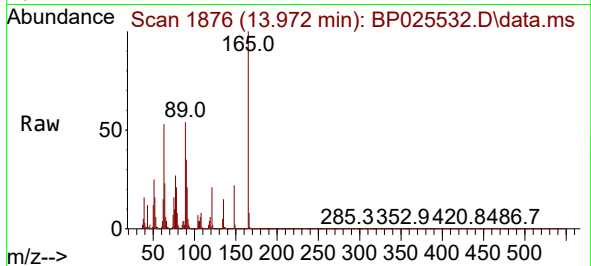
Tgt Ion:163 Resp: 2184153
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 50.647 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

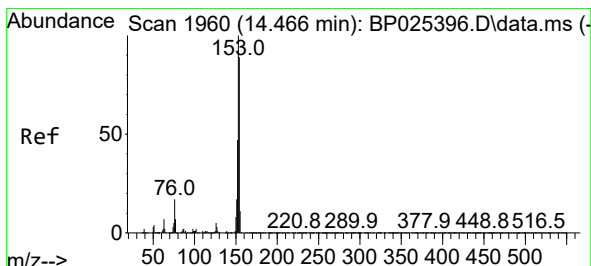
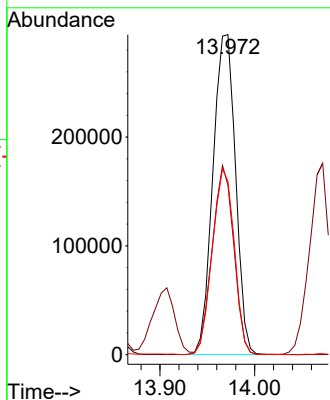
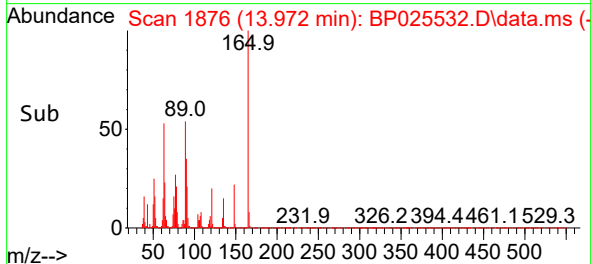
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



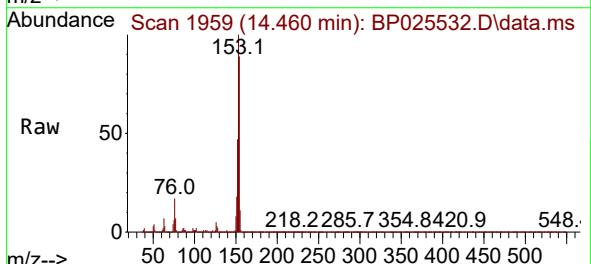
Tgt Ion:165 Resp: 48863
Ion Ratio Lower Upper
165 100
63 52.9 40.9 61.3
89 54.2 42.1 63.1

Manual Integrations
APPROVED

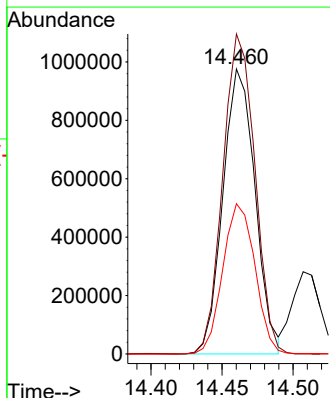
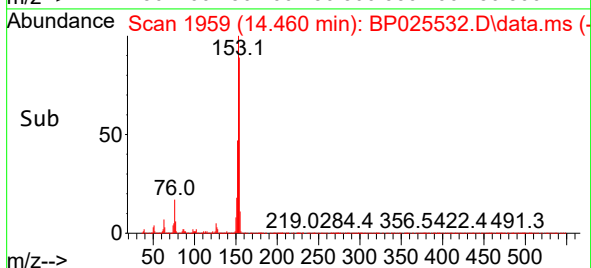
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

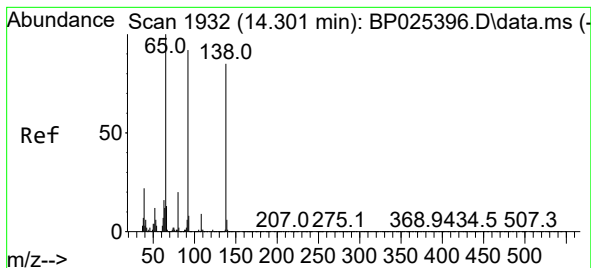


#52
Acenaphthene
Concen: 44.821 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



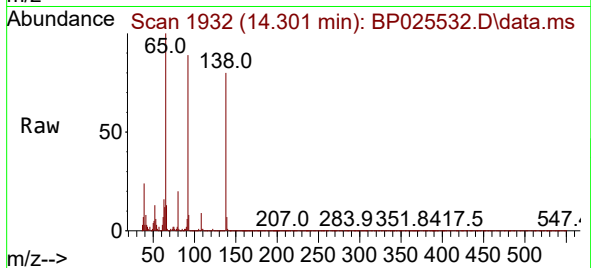
Tgt Ion:154 Resp: 1538560
Ion Ratio Lower Upper
154 100
153 112.3 90.2 135.2
152 52.7 42.1 63.1





#53
3-Nitroaniline
Concen: 32.182 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

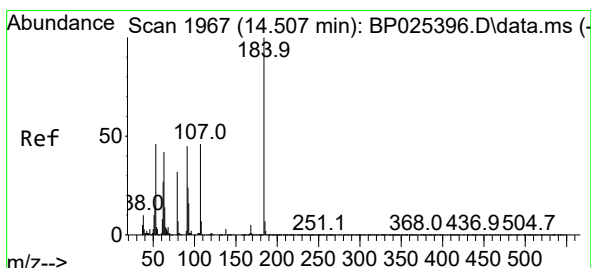
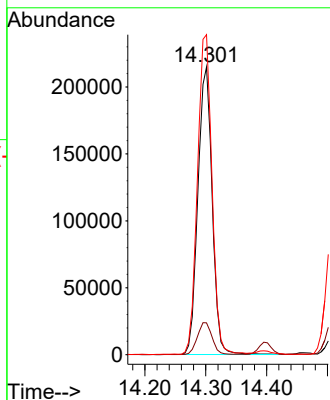
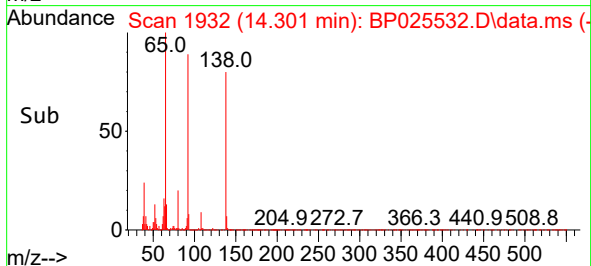
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:138 Resp: 349330
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 111.2 86.2 129.2

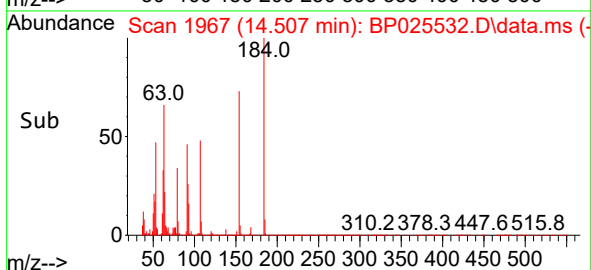
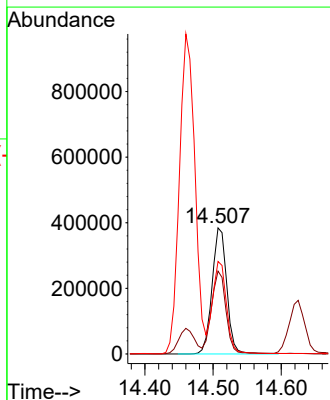
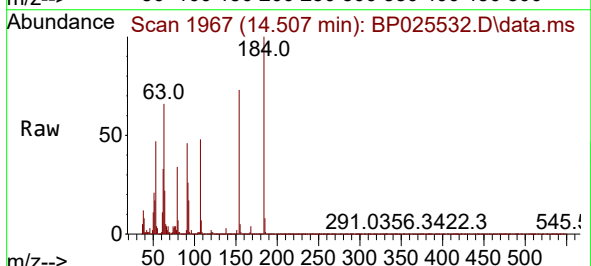
Manual Integrations
APPROVED

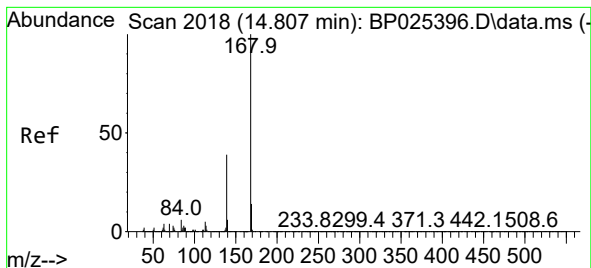
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#54
2,4-Dinitrophenol
Concen: 112.186 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

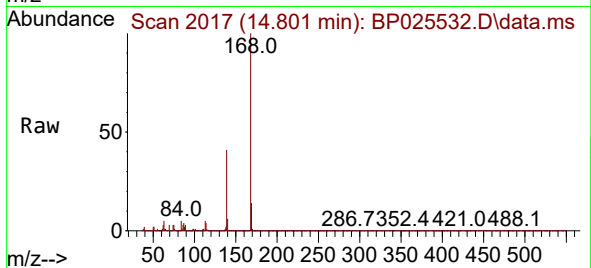
Tgt Ion:184 Resp: 578017
Ion Ratio Lower Upper
184 100
63 65.8 49.4 74.2
154 73.3 54.6 82.0





#55
Dibenzenofuran
Concen: 46.193 ng
RT: 14.801 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

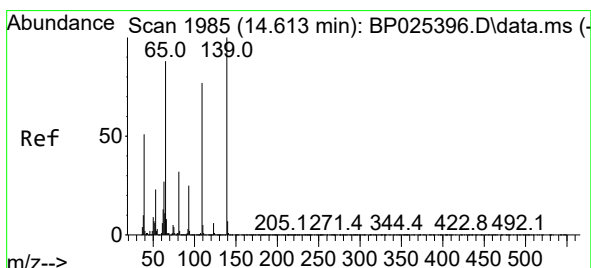
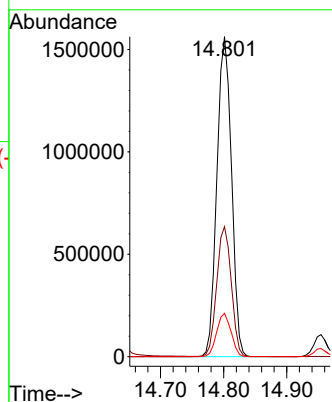
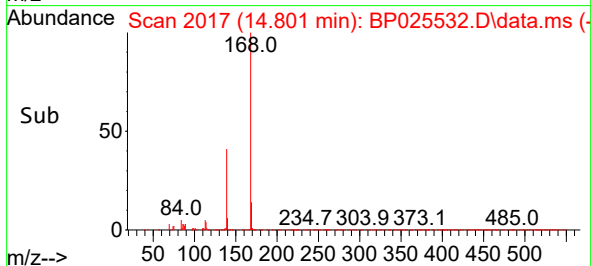
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



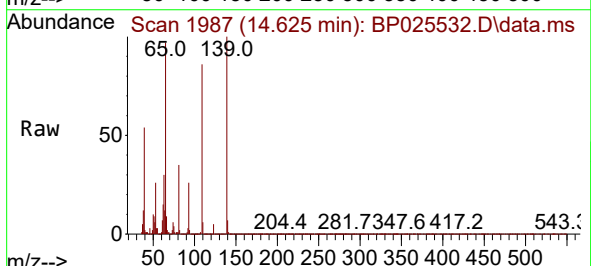
Tgt Ion:168 Resp: 250696
Ion Ratio Lower Upper
168 100
139 40.6 31.5 47.3
169 13.6 10.9 16.3

Manual Integrations
APPROVED

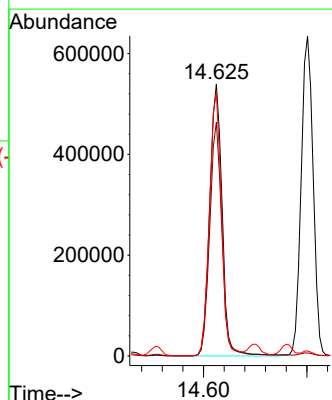
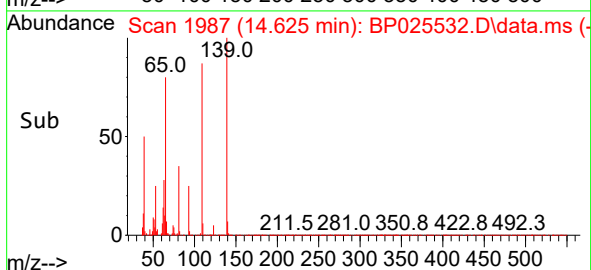
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

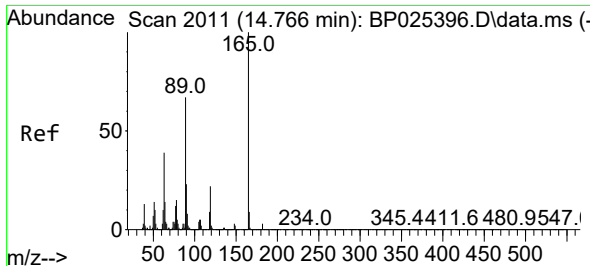


#56
4-Nitrophenol
Concen: 101.047 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



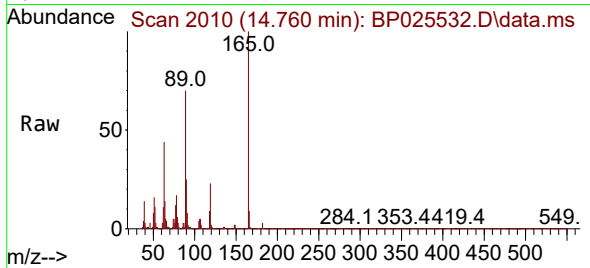
Tgt Ion:139 Resp: 901325
Ion Ratio Lower Upper
139 100
109 86.0 56.6 96.6
65 96.7 68.2 108.2





#57
2,4-Dinitrotoluene
Concen: 52.192 ng
RT: 14.760 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

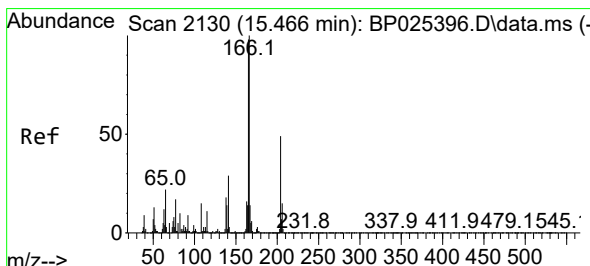
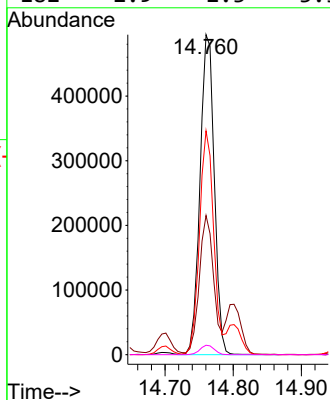
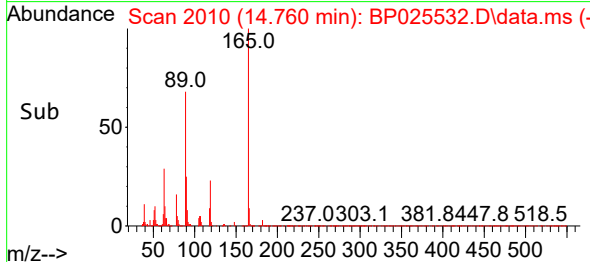
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



Tgt Ion:165 Resp: 71844
Ion Ratio Lower Upper
165 100
63 43.5 31.4 47.2
89 70.0 53.3 79.9
182 2.9 2.3 3.5

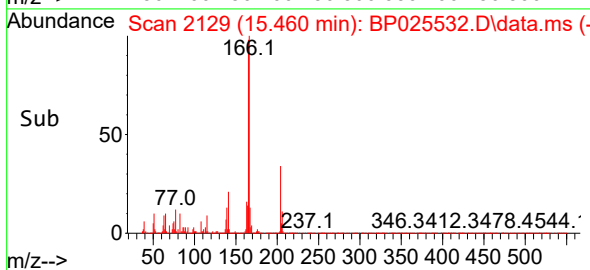
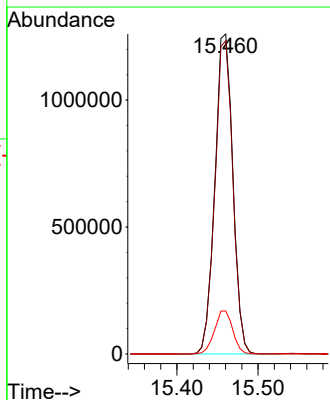
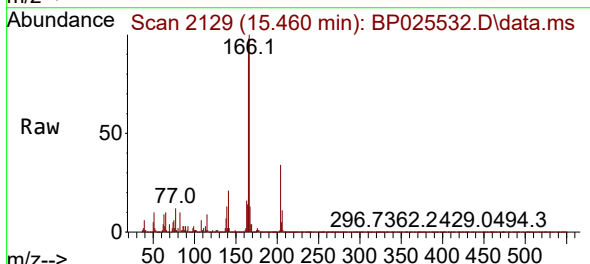
Manual Integrations
APPROVED

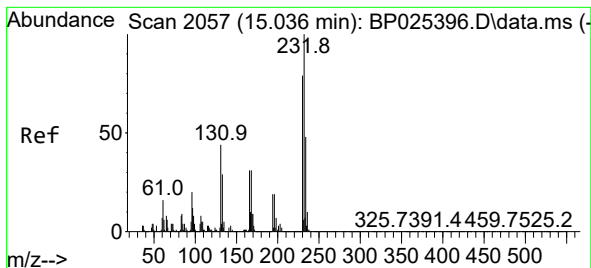
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#58
Fluorene
Concen: 45.387 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

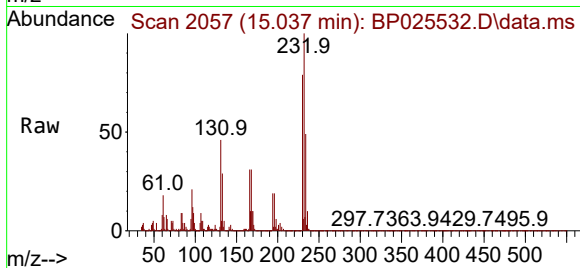
Tgt Ion:166 Resp: 1943631
Ion Ratio Lower Upper
166 100
165 97.8 78.8 118.2
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.759 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

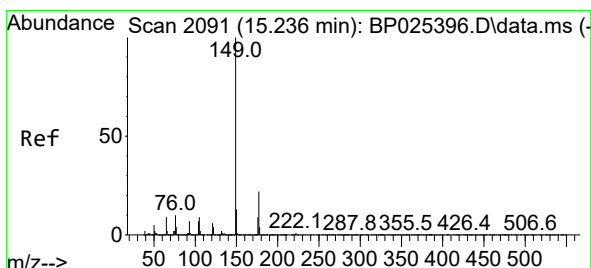
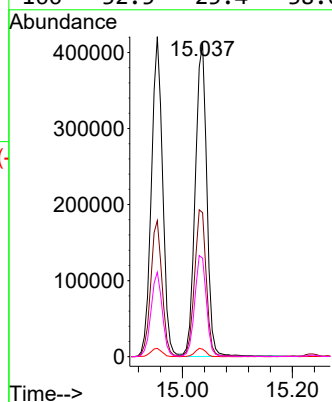
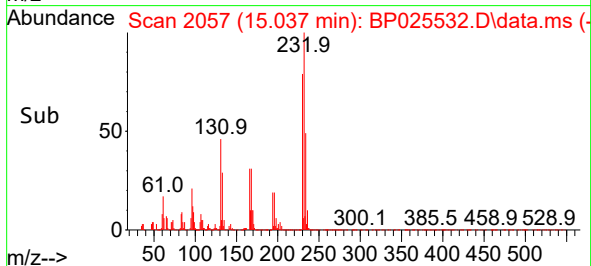
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



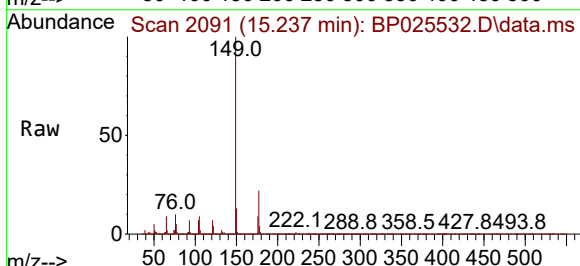
Tgt Ion:232 Resp: 59868
Ion Ratio Lower Upper
232 100
131 47.2 37.0 55.6
130 2.5 1.9 2.9
166 32.5 25.4 38.0

Manual Integrations
APPROVED

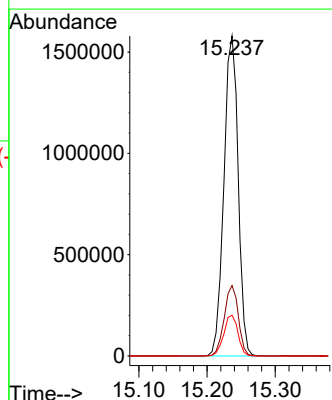
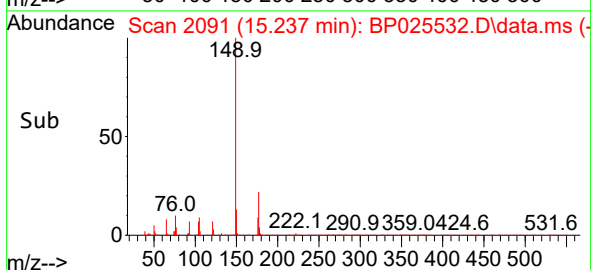
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

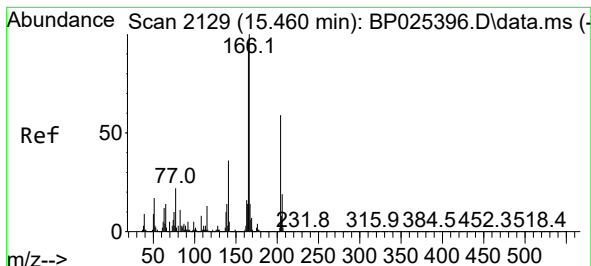


#60
Diethylphthalate
Concen: 49.332 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



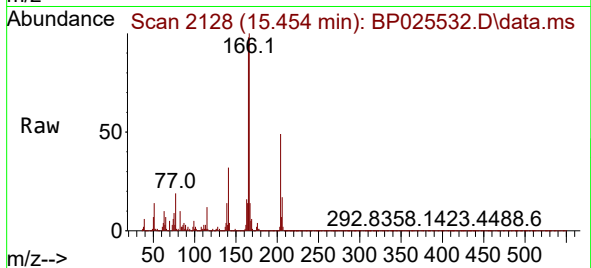
Tgt Ion:149 Resp: 2294509
Ion Ratio Lower Upper
149 100
177 22.0 17.3 25.9
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 45.222 ng
RT: 15.454 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

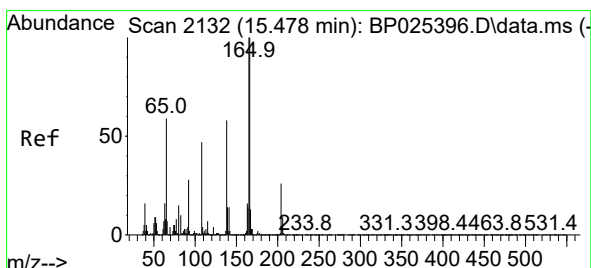
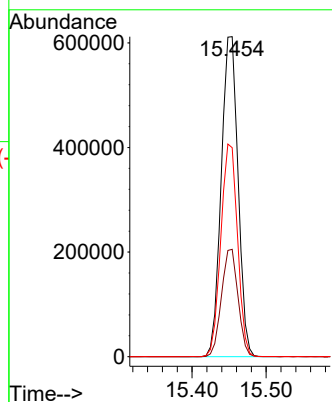
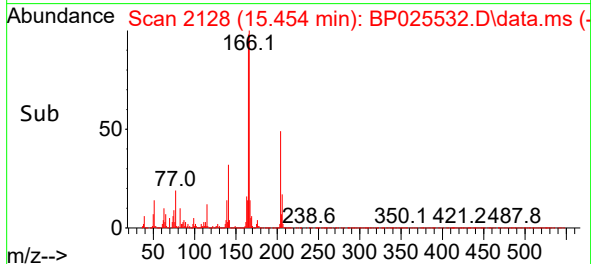
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



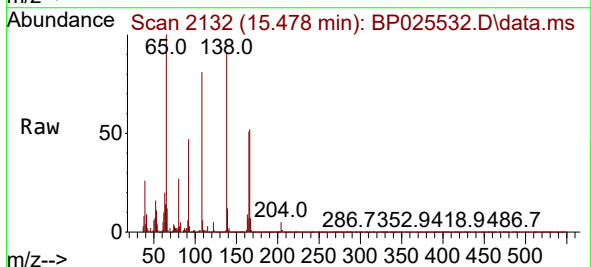
Tgt Ion:204 Resp: 963129
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.8
141 65.3 49.4 74.2

Manual Integrations
APPROVED

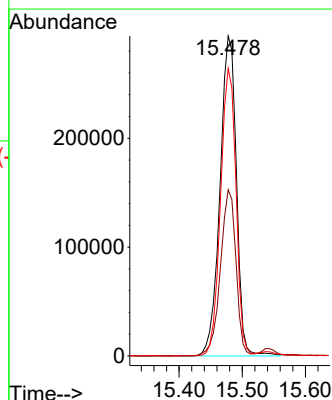
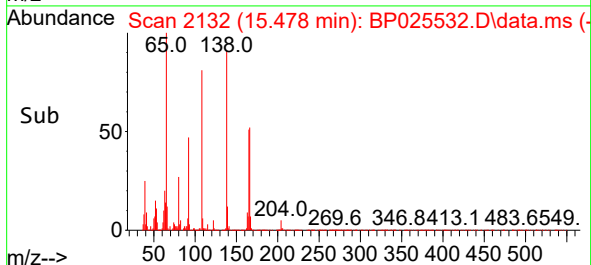
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

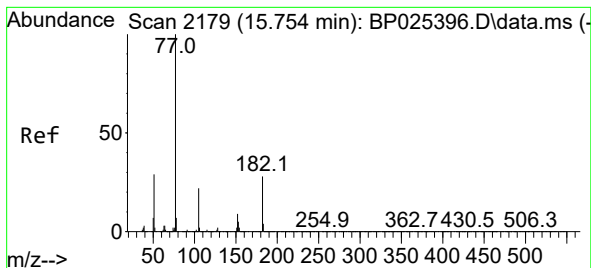


#62
4-Nitroaniline
Concen: 47.780 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



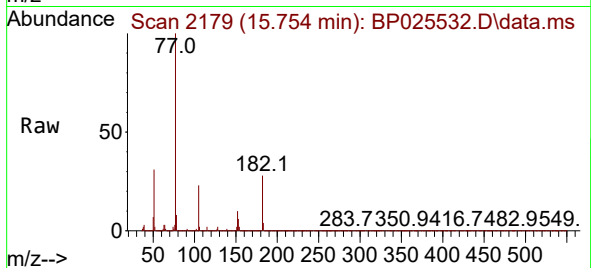
Tgt Ion:138 Resp: 531708
Ion Ratio Lower Upper
138 100
92 51.9 29.1 69.1
108 89.8 61.5 101.5





#63
Azobenzene
Concen: 53.558 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

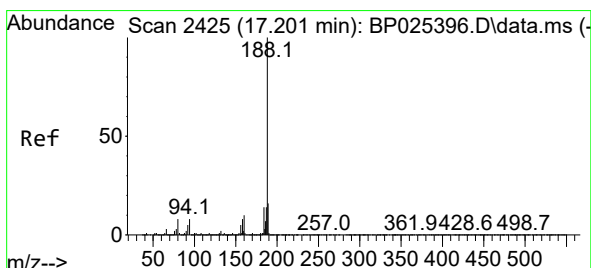
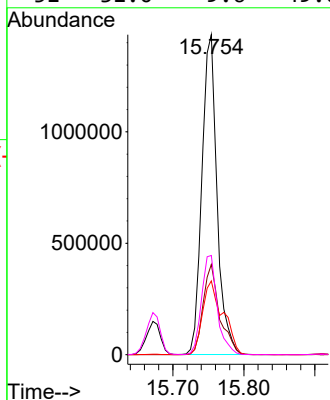
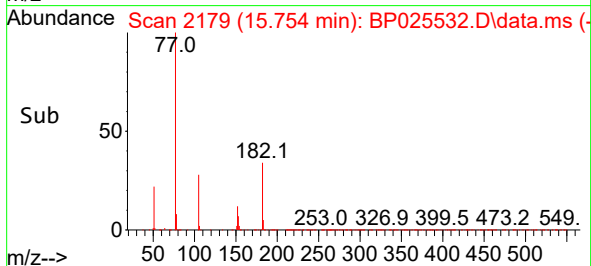
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



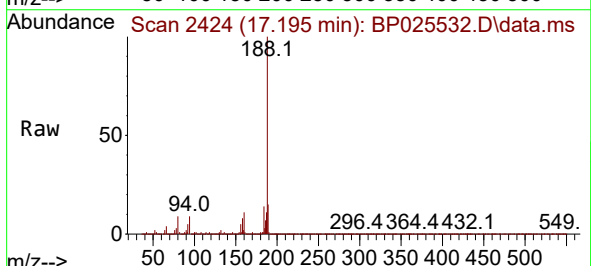
Tgt Ion: 77 Resp: 213300
Ion Ratio Lower Upper
77 100
182 28.2 7.5 47.5
105 23.1 2.1 42.1
51 31.0 9.6 49.6

Manual Integrations
APPROVED

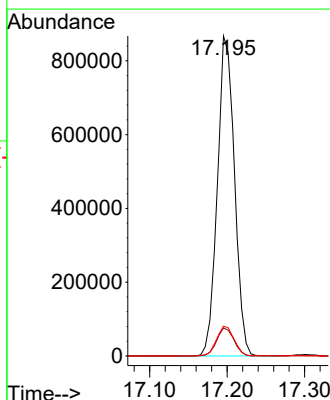
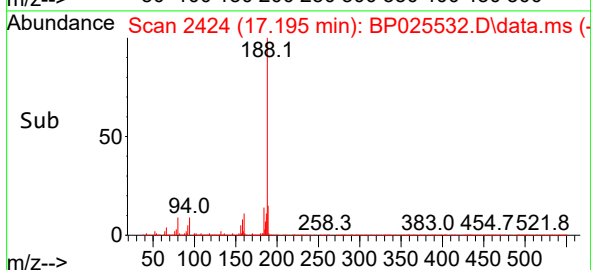
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

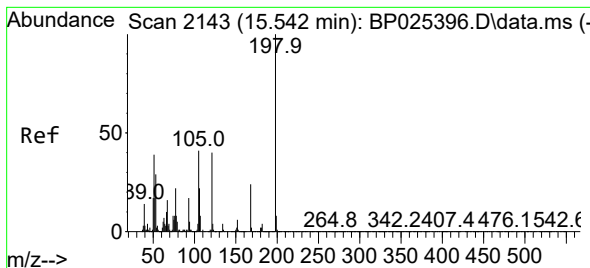


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



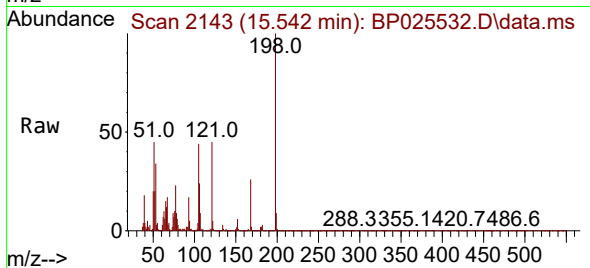
Tgt Ion:188 Resp: 1332235
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.3 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 48.199 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

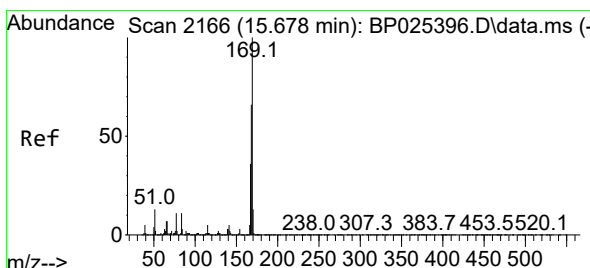
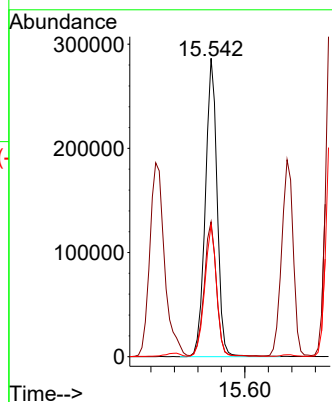
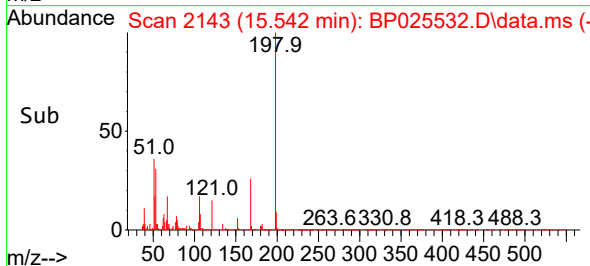
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



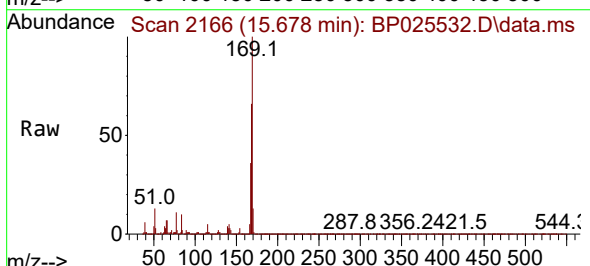
Tgt Ion:198 Resp: 400260
Ion Ratio Lower Upper
198 100
51 45.2 19.6 59.6
105 44.1 20.9 60.9

Manual Integrations
APPROVED

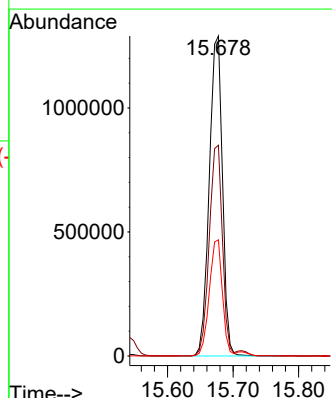
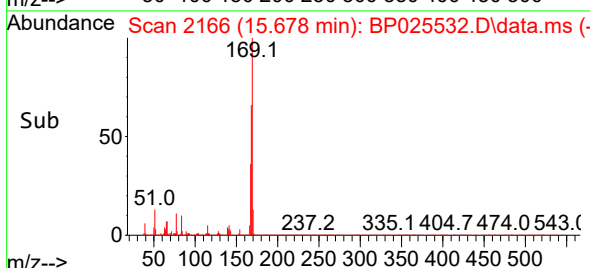
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

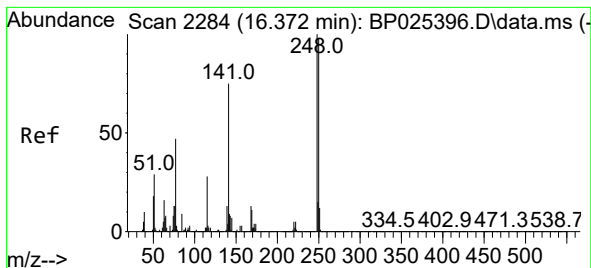


#66
n-Nitrosodiphenylamine
Concen: 44.461 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



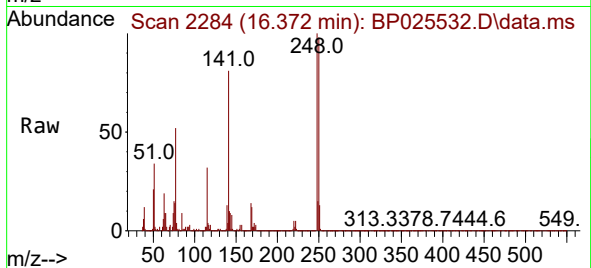
Tgt Ion:169 Resp: 1806263
Ion Ratio Lower Upper
169 100
168 65.9 53.2 79.8
167 36.3 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 45.826 ng
RT: 16.372 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

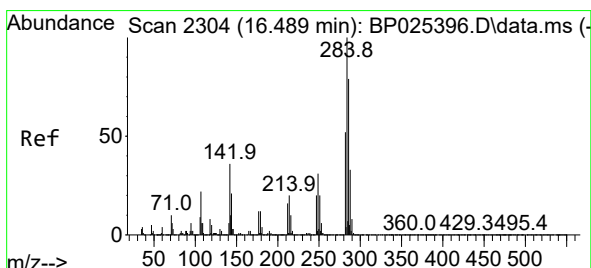
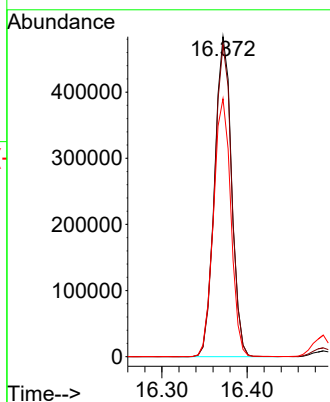
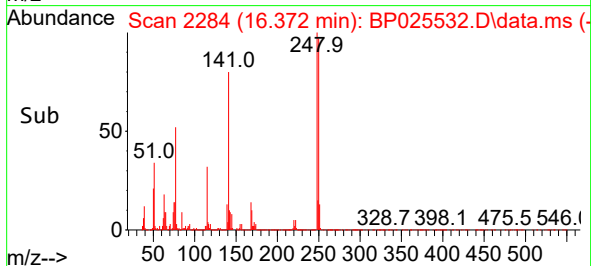
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-3 COMPMS



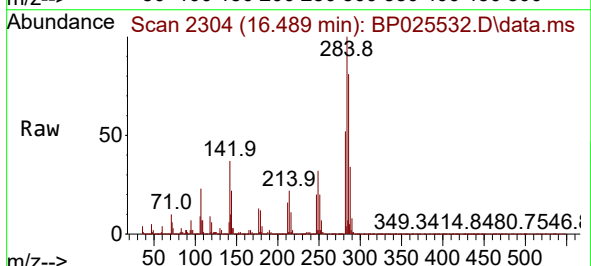
Tgt Ion:248 Resp: 671449
Ion Ratio Lower Upper
248 100
250 97.5 78.2 117.2
141 80.6 59.6 89.4

Manual Integrations
APPROVED

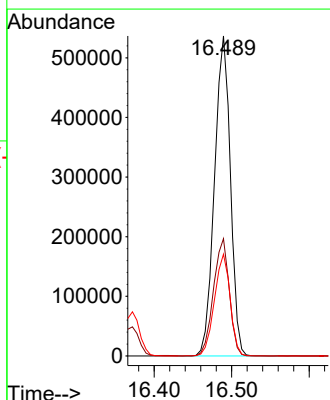
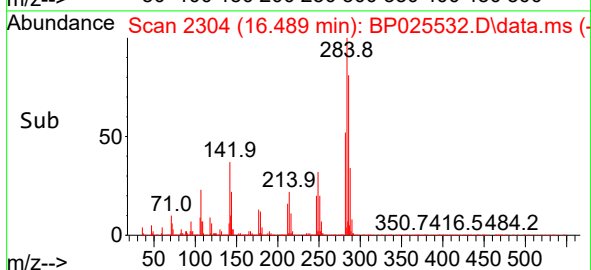
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

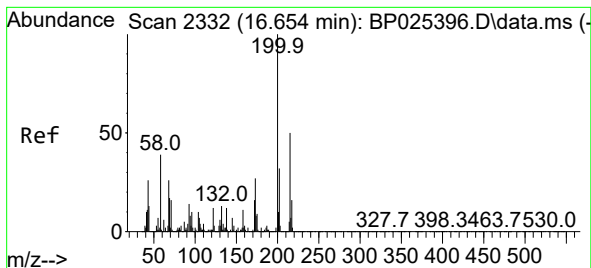


#68
Hexachlorobenzene
Concen: 44.922 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25



Tgt Ion:284 Resp: 762986
Ion Ratio Lower Upper
284 100
142 36.7 29.1 43.7
249 31.8 25.0 37.4





#69

Atrazine

Concen: 47.297 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

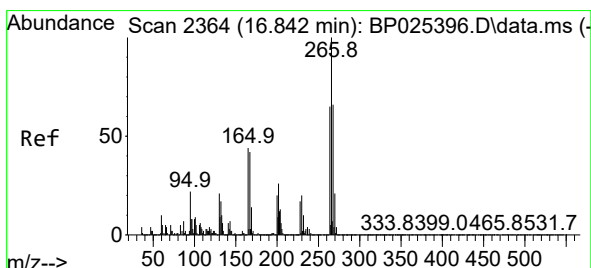
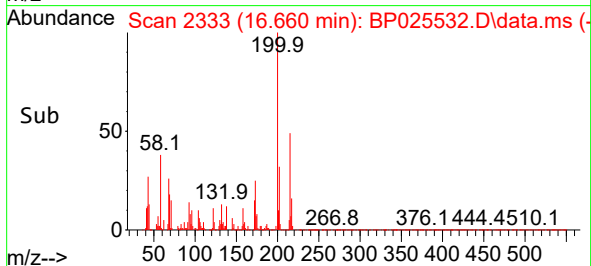
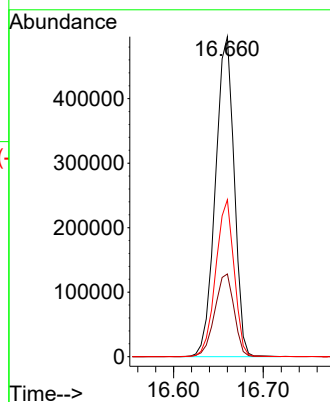
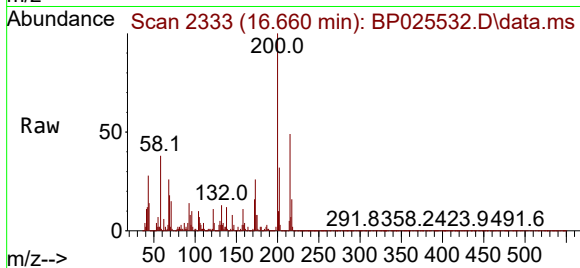
Tgt Ion:200 Resp: 71958
 Ion Ratio Lower Upper
 200 100
 173 25.8 6.7 46.7
 215 49.0 29.7 69.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#70

Pentachlorophenol

Concen: 93.377 ng

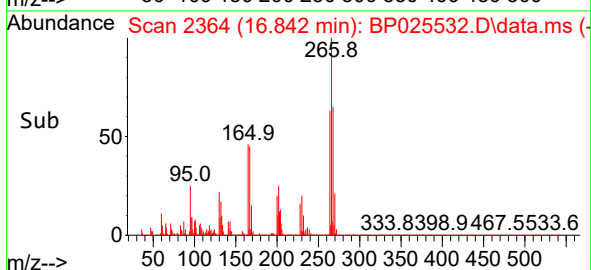
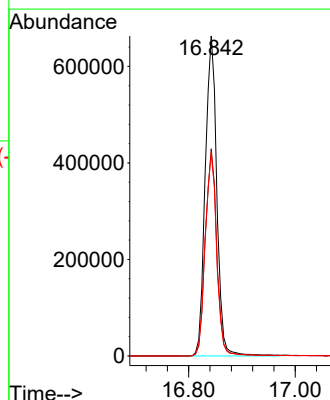
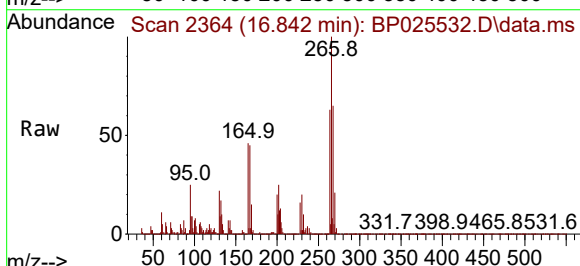
RT: 16.842 min Scan# 2364

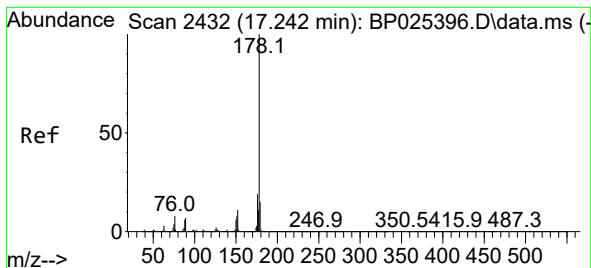
Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Tgt Ion:266 Resp: 1001156
 Ion Ratio Lower Upper
 266 100
 268 64.8 52.6 79.0
 264 63.5 52.0 78.0





#71

Phenanthrene

Concen: 44.531 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:178 Resp: 325894

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

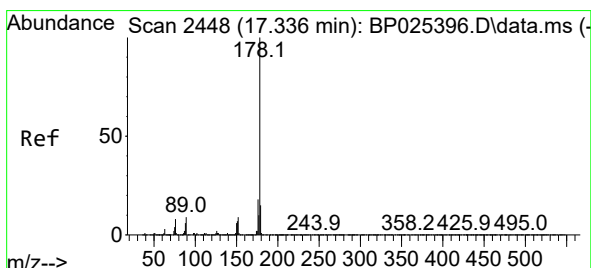
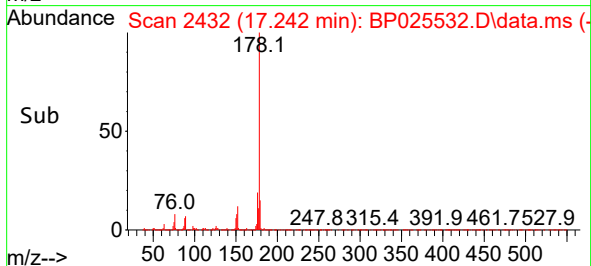
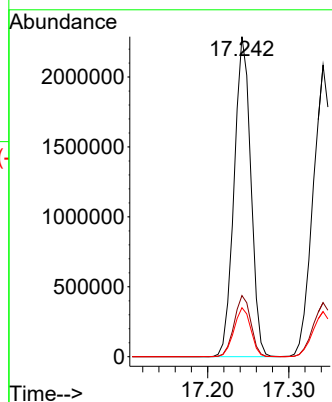
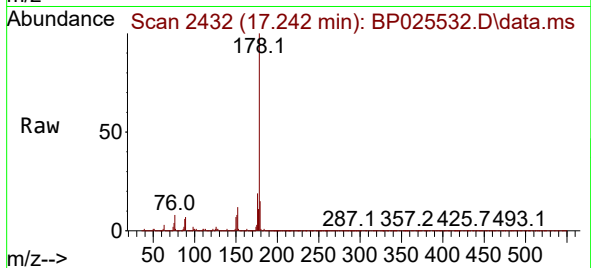
179 15.3 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#72

Anthracene

Concen: 44.787 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

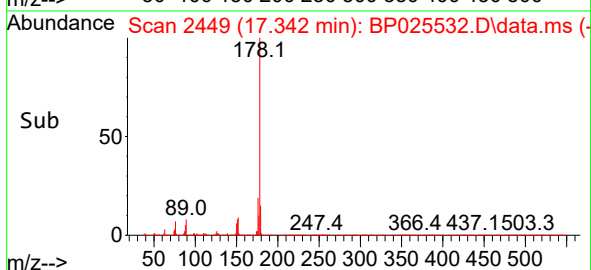
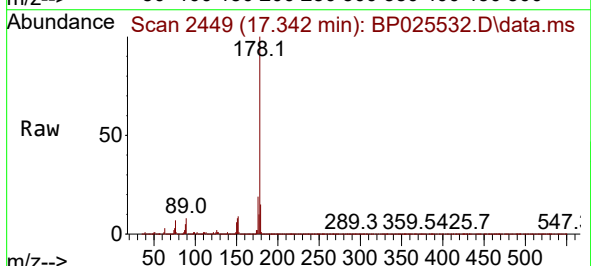
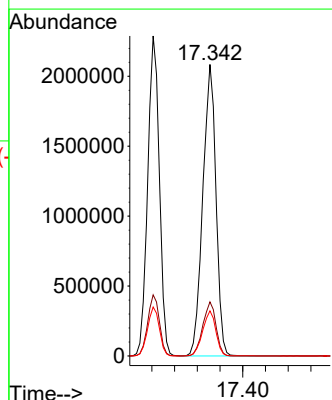
Tgt Ion:178 Resp: 3347193

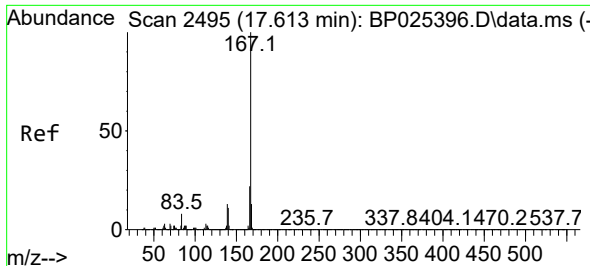
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

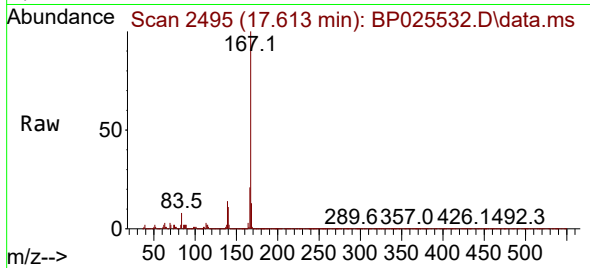
179 15.5 12.2 18.2





#73
 Carbazole
 Concen: 45.056 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25

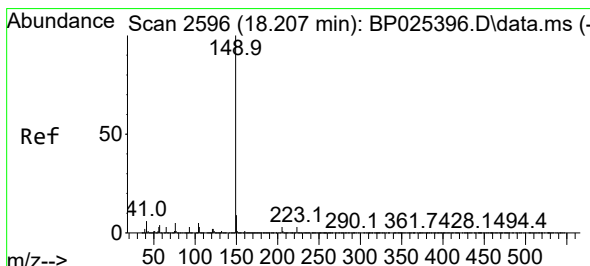
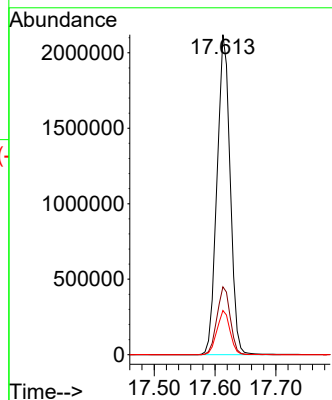
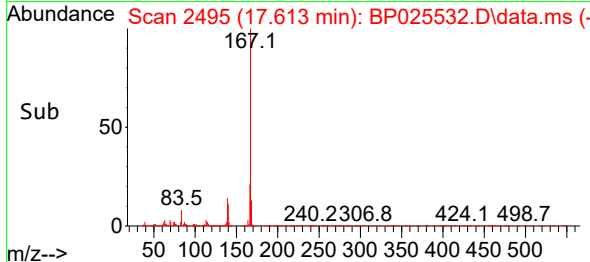
Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS



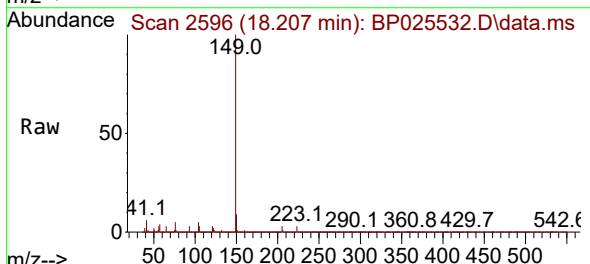
Tgt Ion:167 Resp: 3171702
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.8 10.6 16.0

Manual Integrations
 APPROVED

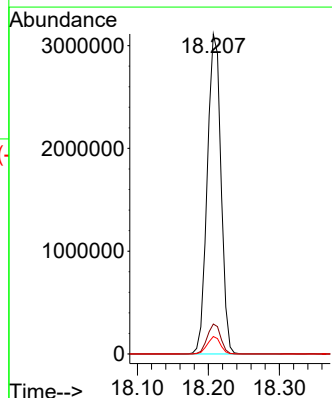
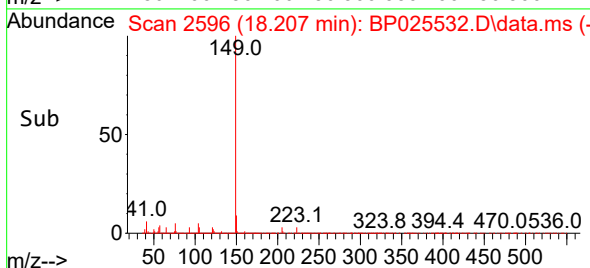
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

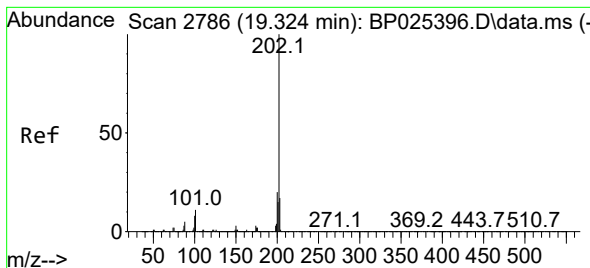


#74
 Di-n-butylphthalate
 Concen: 48.214 ng
 RT: 18.207 min Scan# 2596
 Delta R.T. 0.000 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25



Tgt Ion:149 Resp: 4175739
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.5 4.2 6.2





#75

Fluoranthene

Concen: 43.092 ng

RT: 19.330 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:202 Resp: 3761730

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.1

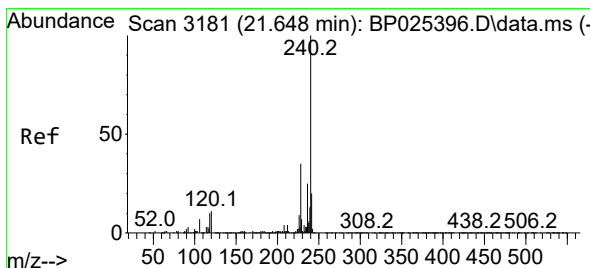
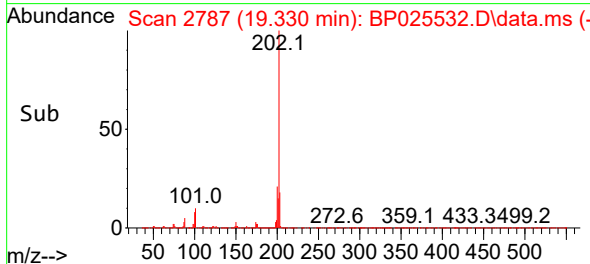
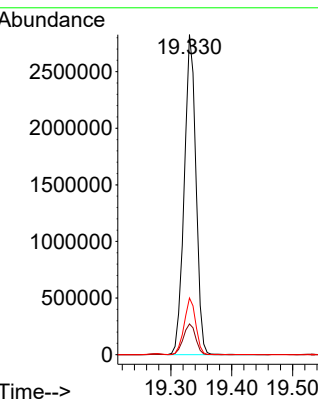
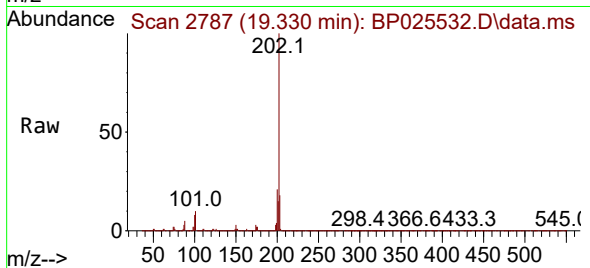
203 17.7 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

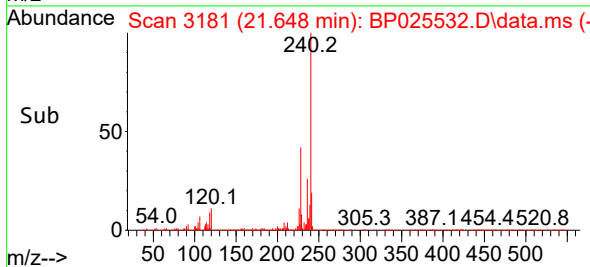
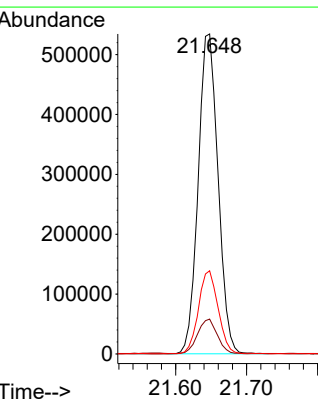
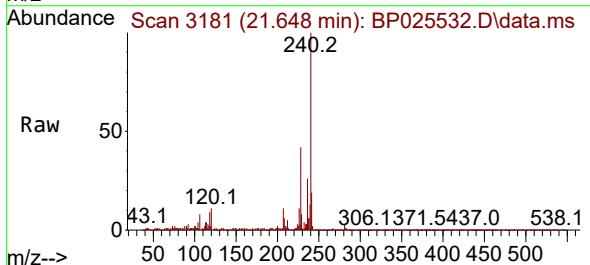
Tgt Ion:240 Resp: 1037300

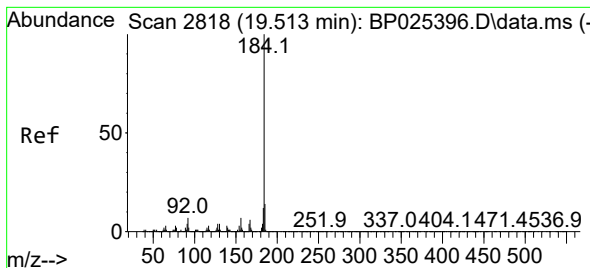
Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

236 26.0 19.8 29.8





#77

Benzidine

Concen: 24.090 ng

RT: 19.530 min Scan# 2818

Delta R.T. 0.018 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:184 Resp: 852800

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

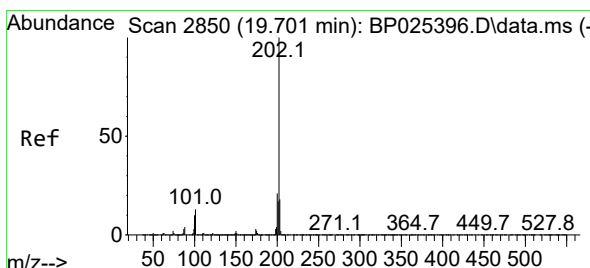
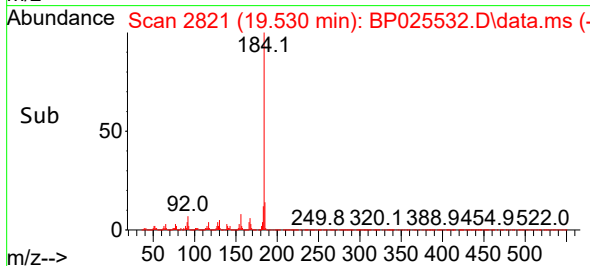
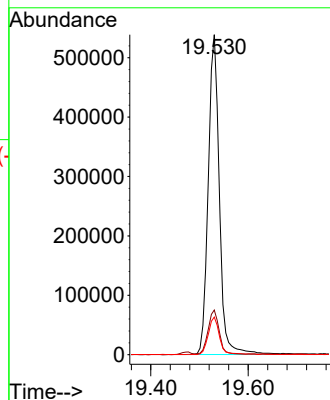
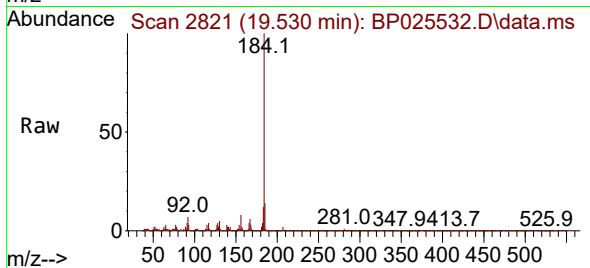
183 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#78

Pyrene

Concen: 56.264 ng

RT: 19.707 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

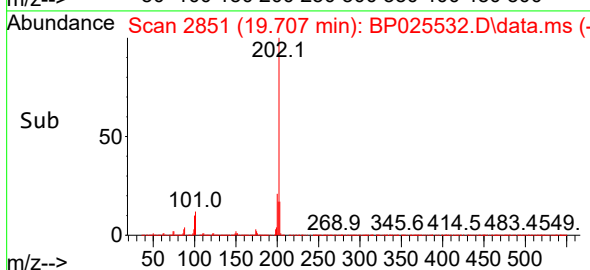
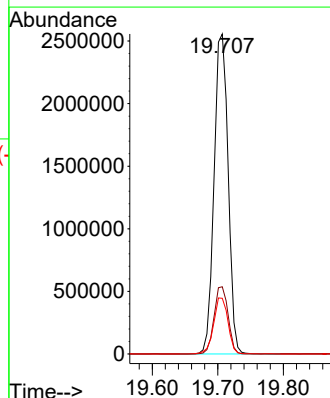
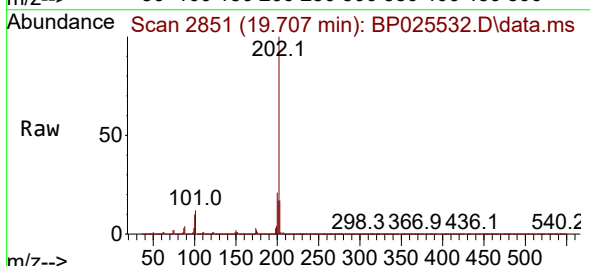
Tgt Ion:202 Resp: 3793378

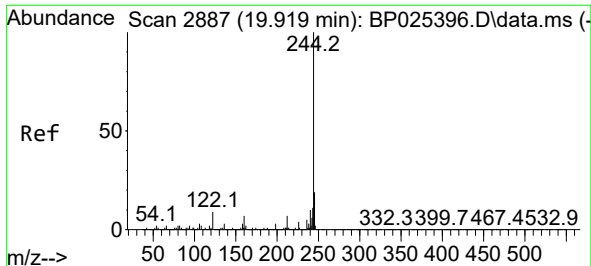
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

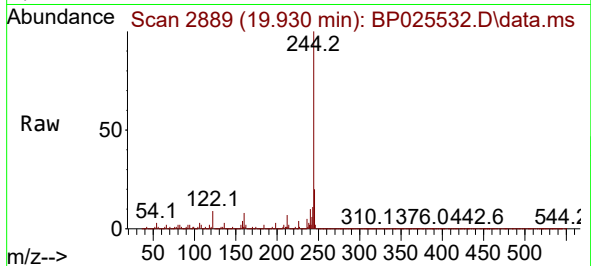
203 17.4 14.2 21.2





#79
 Terphenyl-d14
 Concen: 63.577 ng
 RT: 19.930 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25

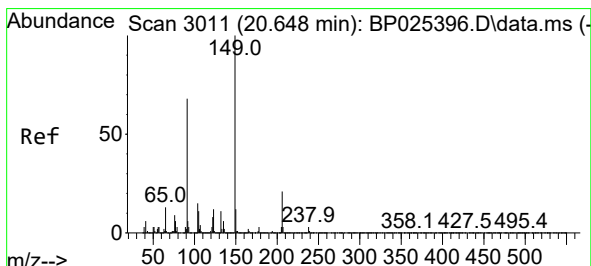
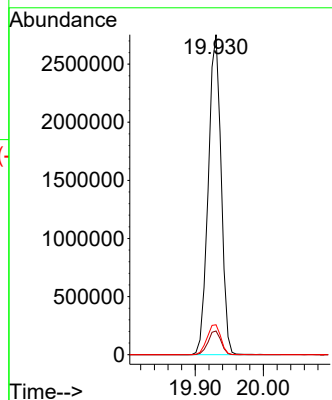
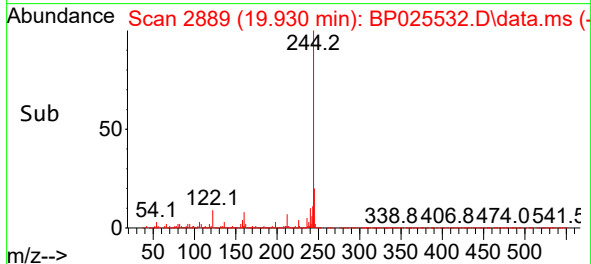
Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-3 COMPMS



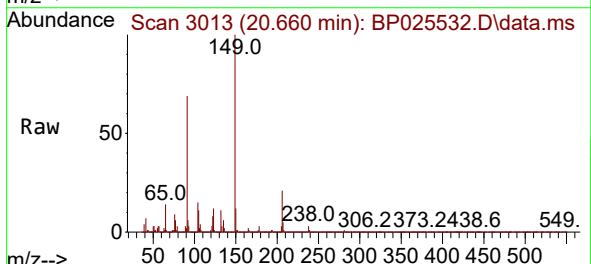
Tgt Ion:244 Resp: 3604570
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.4 7.4 11.2

Manual Integrations
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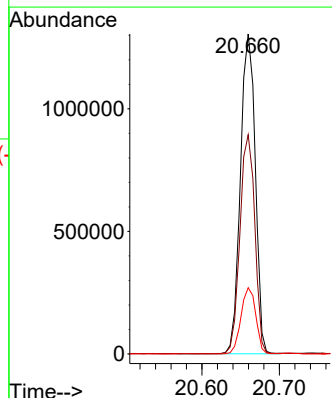
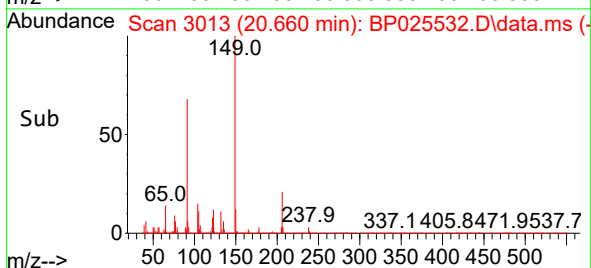
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

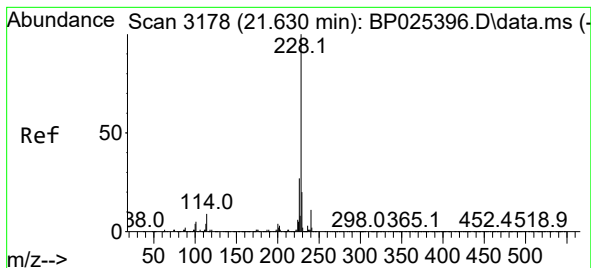


#80
 Butylbenzylphthalate
 Concen: 56.852 ng
 RT: 20.660 min Scan# 3013
 Delta R.T. 0.012 min
 Lab File: BP025532.D
 Acq: 21 Aug 2025 09:25



Tgt Ion:149 Resp: 1737167
 Ion Ratio Lower Upper
 149 100
 91 68.5 54.2 81.2
 206 20.7 16.6 24.8





#81

Benzo(a)anthracene

Concen: 46.956 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:228 Resp: 321224

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

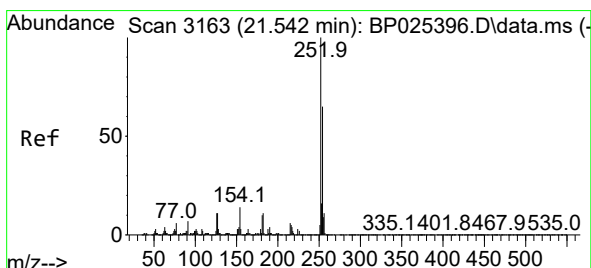
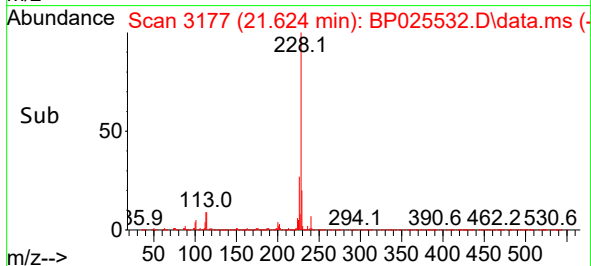
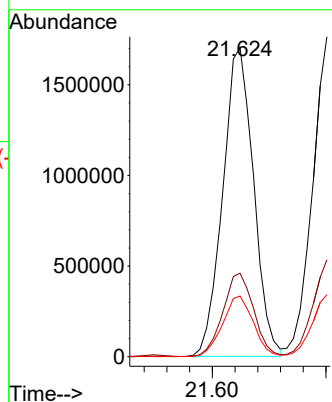
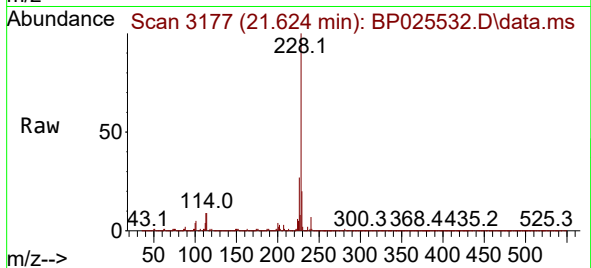
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#82

3,3'-Dichlorobenzidine

Concen: 31.275 ng

RT: 21.548 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

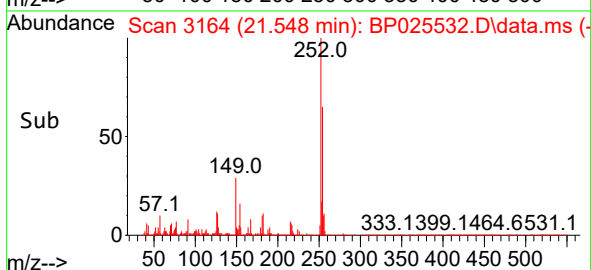
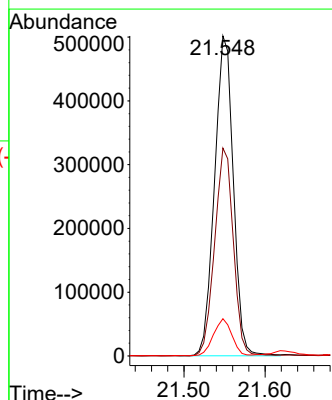
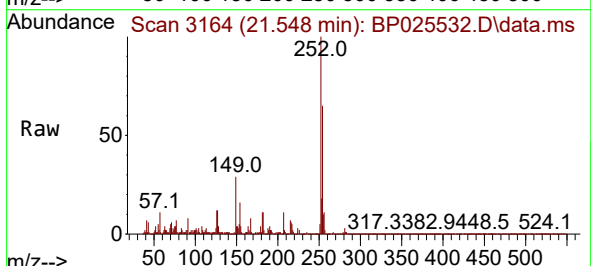
Tgt Ion:252 Resp: 806439

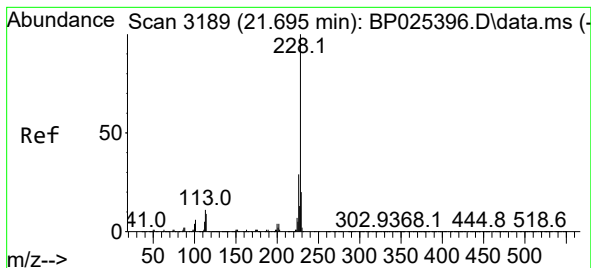
Ion Ratio Lower Upper

252 100

254 65.0 51.8 77.6

126 11.6 9.1 13.7





#83

Chrysene

Concen: 47.193 ng

RT: 21.701 min Scan# 3189

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:228 Resp: 3023490

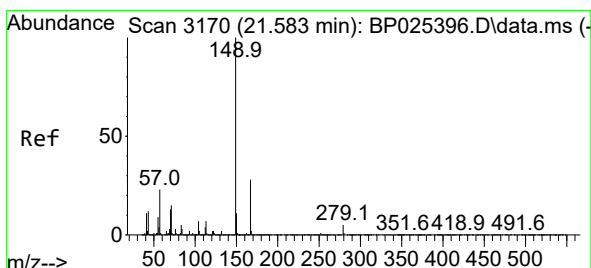
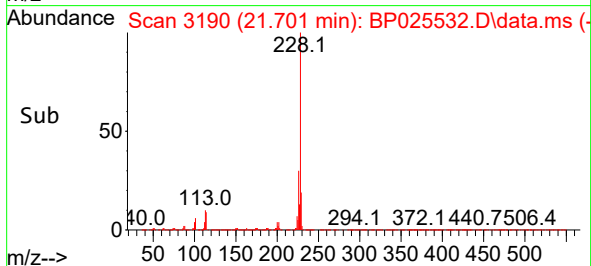
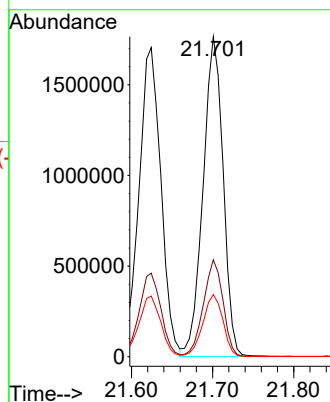
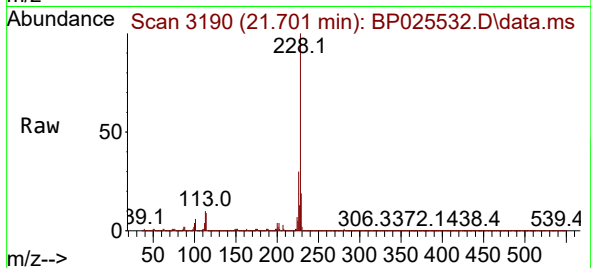
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	19.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.602 ng

RT: 21.571 min Scan# 3168

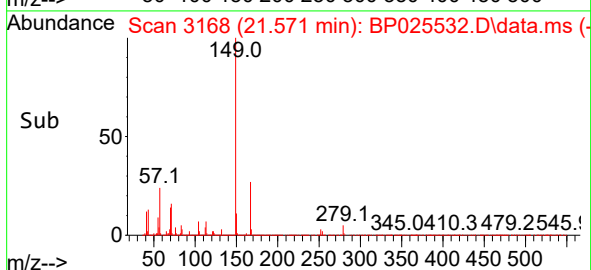
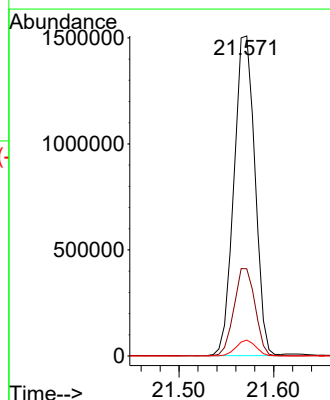
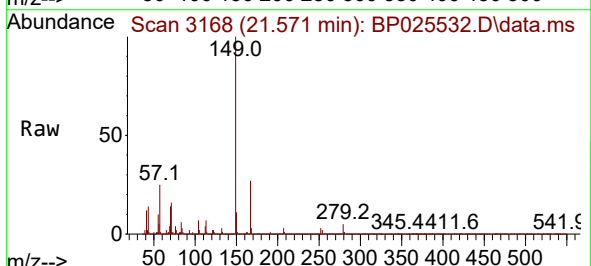
Delta R.T. -0.012 min

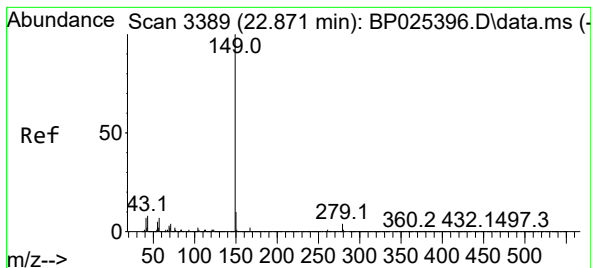
Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Tgt Ion:149 Resp: 2321078

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.9	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 45.216 ng

RT: 22.854 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025532.D

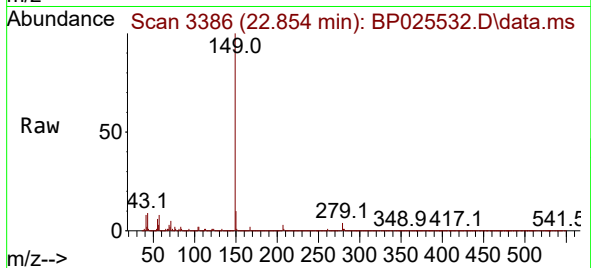
Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS



Tgt Ion:149 Resp: 3498238

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

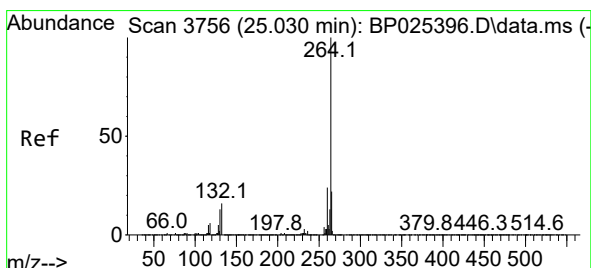
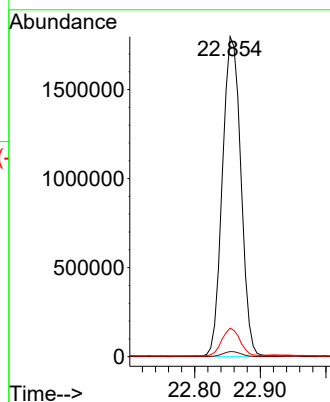
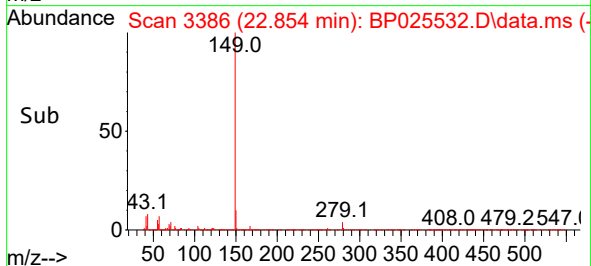
43 8.4 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 3752

Delta R.T. -0.023 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

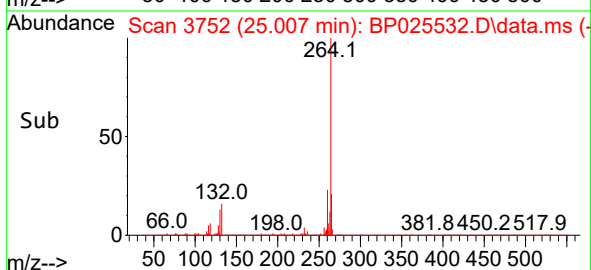
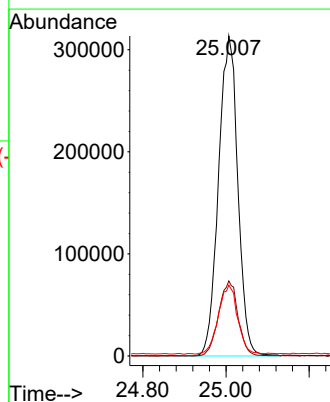
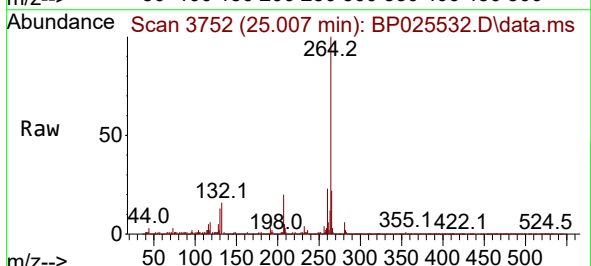
Tgt Ion:264 Resp: 1008580

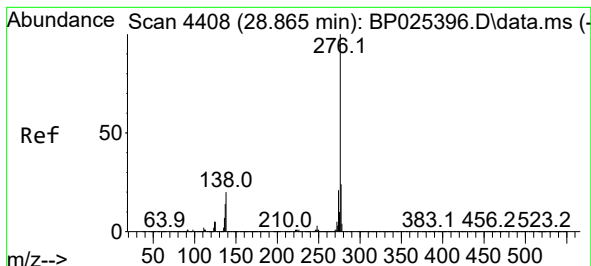
Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.854 ng m

RT: 28.842 min Scan# 4408

Delta R.T. -0.023 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion:276 Resp: 353949

Ion Ratio Lower Upper

276 100

138 16.9 12.9 19.3

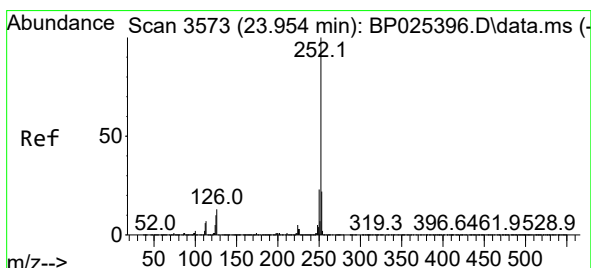
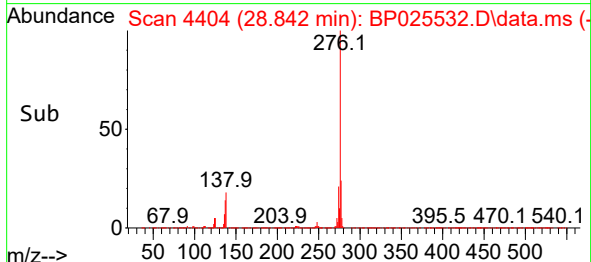
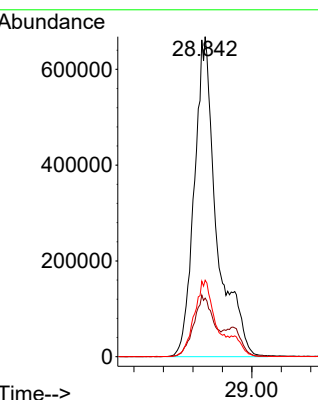
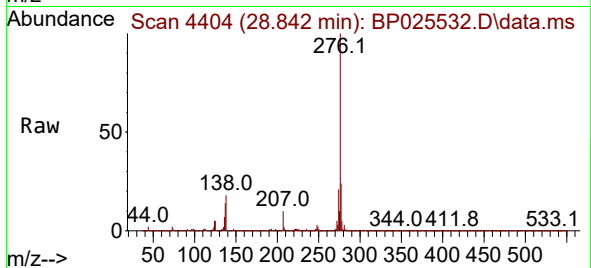
277 22.4 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#88

Benzo(b)fluoranthene

Concen: 47.236 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

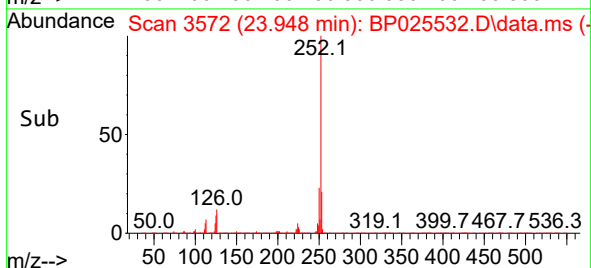
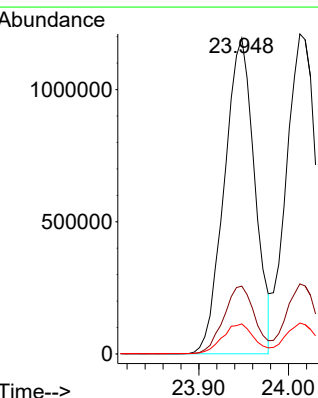
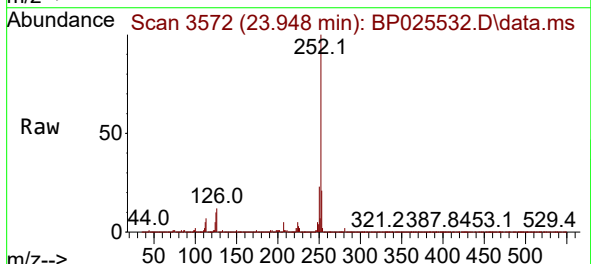
Tgt Ion:252 Resp: 2809285

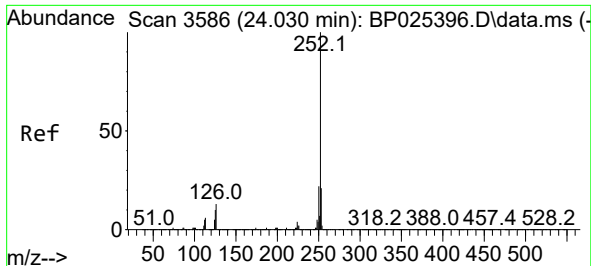
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

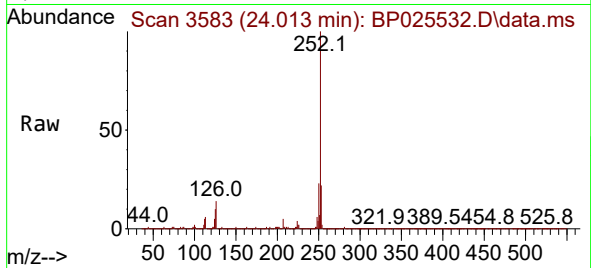
125 9.5 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 47.821 ng
RT: 24.013 min Scan# 3583
Delta R.T. -0.018 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

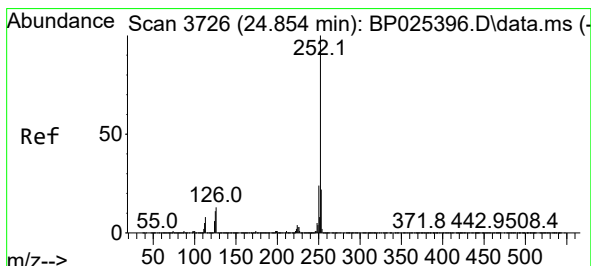
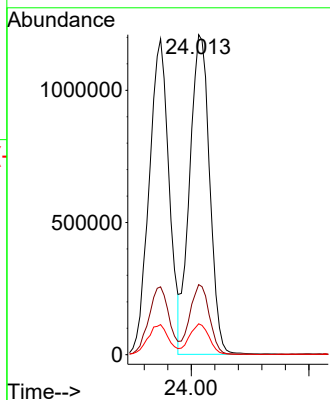
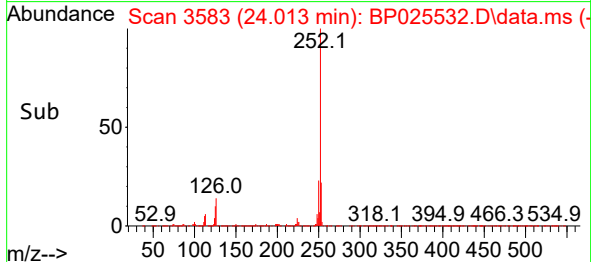
Instrument : BNA_P
ClientSampleId : DRILL CUTTING 1-3 COMPMS



Tgt Ion:252 Resp: 2845980
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 9.6 7.8 11.6

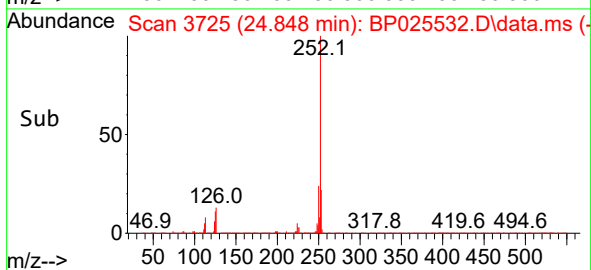
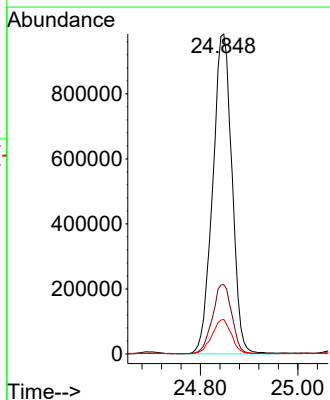
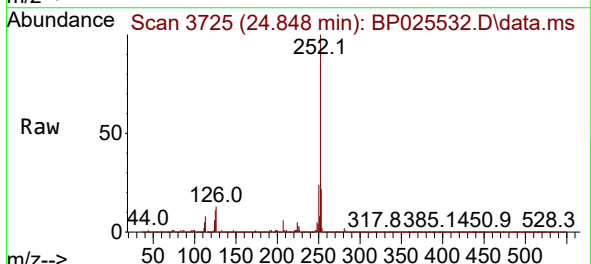
Manual Integrations
APPROVED

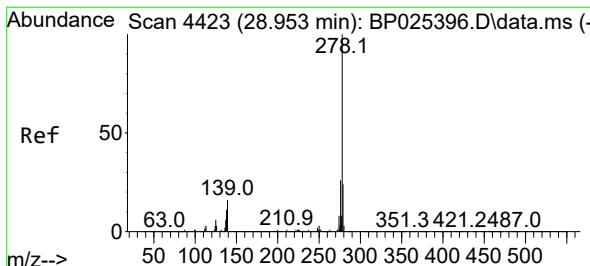
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#90
Benzo(a)pyrene
Concen: 46.460 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025532.D
Acq: 21 Aug 2025 09:25

Tgt Ion:252 Resp: 2689694
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 48.065 ng

RT: 28.942 min Scan# 44

Delta R.T. -0.012 min

Lab File: BP025532.D

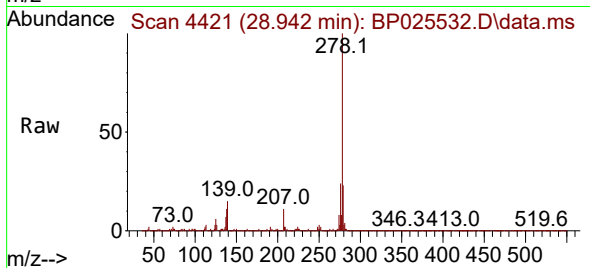
Acq: 21 Aug 2025 09:25

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS



Tgt Ion:278 Resp: 290529

Ion Ratio Lower Upper

278 100

139 15.3 13.0 19.4

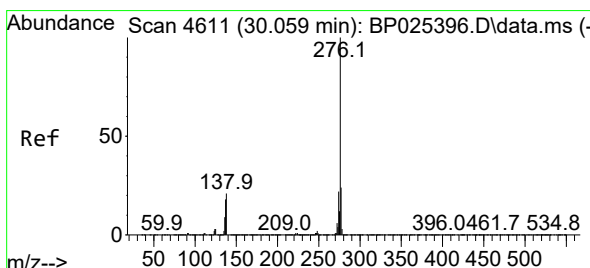
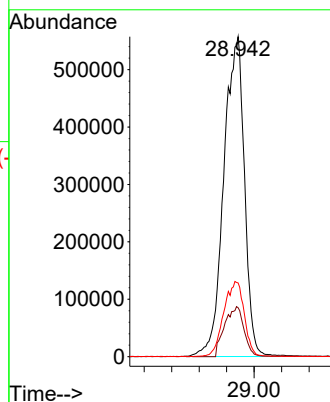
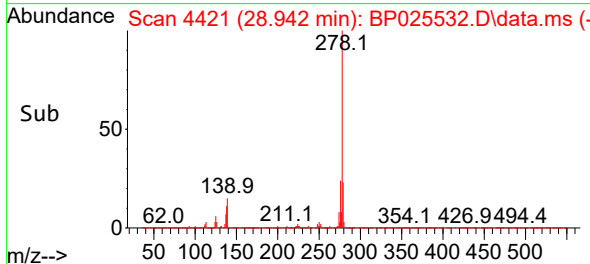
279 23.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :mohammad ahmed 08/22/2025



#92

Benzo(g,h,i)perylene

Concen: 48.577 ng

RT: 30.030 min Scan# 4606

Delta R.T. -0.029 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Tgt Ion:276 Resp: 2886256

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 20.4 16.7 25.1

