

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
 Data File : BP024122.D
 Acq On : 27 Feb 2025 15:49
 Operator : RC/JU
 Sample : Q1421-06MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 27 16:14:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	284603	20.000	ng	0.00
21) Naphthalene-d8	10.539	136	1123648	20.000	ng	0.00
39) Acenaphthene-d10	14.386	164	686914	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1334599	20.000	ng	0.00
76) Chrysene-d12	21.645	240	1469324	20.000	ng	0.00
86) Perylene-d12	25.039	264	1682191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1291882	70.829	ng	0.00
7) Phenol-d6	6.940	99	1001653	42.728	ng	0.00
23) Nitrobenzene-d5	8.904	82	2143628	106.431	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1404916	166.975	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	4805374	97.798	ng	0.00
79) Terphenyl-d14	19.915	244	7563646	101.860	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.305	88	146114	20.421	ng	97
3) Pyridine	3.705	79	326366	17.544	ng	98
4) n-Nitrosodimethylamine	3.610	42	125627	19.039	ng	# 95
6) Aniline	7.087	93	764302	35.601	ng	99
8) 2-Chlorophenol	7.328	128	699295	36.223	ng	97
9) Benzaldehyde	6.904	77	338946m	31.669	ng	
10) Phenol	6.963	94	325655	13.815	ng	99
11) bis(2-Chloroethyl)ether	7.181	93	835463	44.997	ng	98
12) 1,3-Dichlorobenzene	7.651	146	645236	30.423	ng	99
13) 1,4-Dichlorobenzene	7.793	146	666902	31.093	ng	99
14) 1,2-Dichlorobenzene	8.104	146	665159	32.314	ng	100
15) Benzyl Alcohol	7.993	79	485849	33.858	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	842890m	46.765	ng	
17) 2-Methylphenol	8.198	107	488620	34.014	ng	99
18) Hexachloroethane	8.834	117	221886	28.726	ng	98
19) n-Nitroso-di-n-propyla...	8.557	70	642793	50.997	ng	99
20) 3+4-Methylphenols	8.522	107	591497	30.267	ng	99
22) Acetophenone	8.569	105	1448224	50.155	ng	99
24) Nitrobenzene	8.945	77	893418	45.072	ng	97
25) Isophorone	9.469	82	1767307	53.658	ng	99
26) 2-Nitrophenol	9.651	139	412490	45.169	ng	98
27) 2,4-Dimethylphenol	9.716	122	674767	56.289	ng	96
28) bis(2-Chloroethoxy)met...	9.945	93	1119436	46.917	ng	99
29) 2,4-Dichlorophenol	10.187	162	732683	44.787	ng	99
30) 1,2,4-Trichlorobenzene	10.398	180	648095	34.577	ng	98
31) Naphthalene	10.586	128	2335391	38.654	ng	99
32) Benzoic acid	9.804	122	118371	15.431	ng	99
33) 4-Chloroaniline	10.692	127	849107	39.893	ng	98
34) Hexachlorobutadiene	10.869	225	334876	30.846	ng	99
35) Caprolactam	11.486	113	49247	13.473	ng	88
36) 4-Chloro-3-methylphenol	11.822	107	748050	44.480	ng	97
37) 2-Methylnaphthalene	12.198	142	1682459	41.897	ng	100
38) 1-Methylnaphthalene	12.416	142	1654059	42.340	ng	100
40) 1,2,4,5-Tetrachloroben...	12.569	216	942392	44.651	ng	99
41) Hexachlorocyclopentadiene	12.551	237	928359	118.207	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	615377	47.810	ng	99

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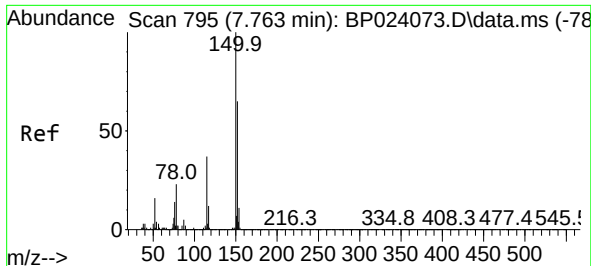
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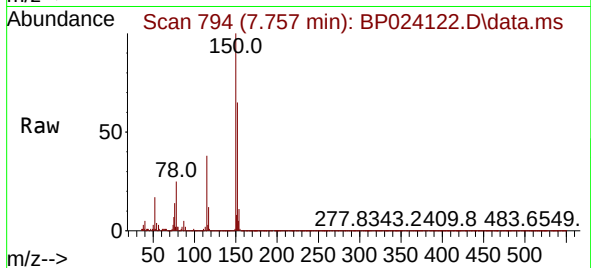
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.886	196	683952	48.587	ng	99
46) 1,1'-Biphenyl	13.216	154	2573531	48.214	ng	99
47) 2-Chloronaphthalene	13.257	162	1752829	43.440	ng	99
48) 2-Nitroaniline	13.457	65	499760	52.432	ng	98
49) Acenaphthylene	14.110	152	2990870	50.309	ng	99
50) Dimethylphthalate	13.845	163	2973591	61.369	ng	100
51) 2,6-Dinitrotoluene	13.957	165	505399	51.204	ng	99
52) Acenaphthene	14.457	154	1778611	46.459	ng	99
53) 3-Nitroaniline	14.286	138	259990	24.685	ng	95
54) 2,4-Dinitrophenol	14.504	184	462475	71.938	ng	93
55) Dibenzofuran	14.792	168	2792620	44.904	ng	99
56) 4-Nitrophenol	14.616	139	329289	36.194	ng	99
57) 2,4-Dinitrotoluene	14.757	165	708890	55.288	ng	99
58) Fluorene	15.451	166	2342849	48.237	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.027	232	587124	48.073	ng	99
60) Diethylphthalate	15.227	149	2446095	50.855	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1118602	46.790	ng	98
62) 4-Nitroaniline	15.474	138	445588	36.575	ng	97
63) Azobenzene	15.751	77	2290582	50.820	ng	97
65) 4,6-Dinitro-2-methylph...	15.533	198	308261	37.465	ng	98
66) n-Nitrosodiphenylamine	15.669	169	2020413	48.545	ng	99
67) 4-Bromophenyl-phenylether	16.363	248	689156	45.984	ng	99
68) Hexachlorobenzene	16.480	284	825350	46.803	ng	98
69) Atrazine	16.645	200	776349	72.687	ng	99
70) Pentachlorophenol	16.833	266	1089645	95.136	ng	99
71) Phenanthrene	17.233	178	3568203	47.422	ng	100
72) Anthracene	17.327	178	3627588	50.310	ng	100
73) Carbazole	17.604	167	3445005	50.146	ng	100
74) Di-n-butylphthalate	18.198	149	4357526	54.360	ng	100
75) Fluoranthene	19.315	202	4135511	48.593	ng	98
77) Benzidine	19.515	184	1495467	83.524	ng	100
78) Pyrene	19.698	202	4384010	46.973	ng	100
80) Butylbenzylphthalate	20.645	149	1998428	55.879	ng	98
81) Benzo(a)anthracene	21.627	228	4608511	50.020	ng	99
82) 3,3'-Dichlorobenzidine	21.545	252	1722208	59.819	ng	100
83) Chrysene	21.698	228	4250117	47.839	ng	99
84) Bis(2-ethylhexyl)phtha...	21.568	149	3022621	55.734	ng	100
85) Di-n-octyl phthalate	22.868	149	5066372	58.444	ng	99
87) Indeno(1,2,3-cd)pyrene	28.886	276	6324682m	52.850	ng	
88) Benzo(b)fluoranthene	23.951	252	4858290	45.480	ng	98
89) Benzo(k)fluoranthene	24.033	252	4960467	47.707	ng	99
90) Benzo(a)pyrene	24.874	252	4695288	51.792	ng	99
91) Dibenzo(a,h)anthracene	28.968	278	5166680	51.347	ng	99
92) Benzo(g,h,i)perylene	30.062	276	4890835	47.899	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

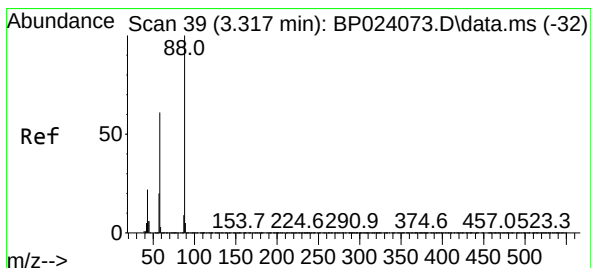
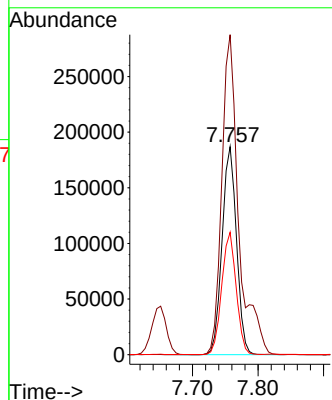
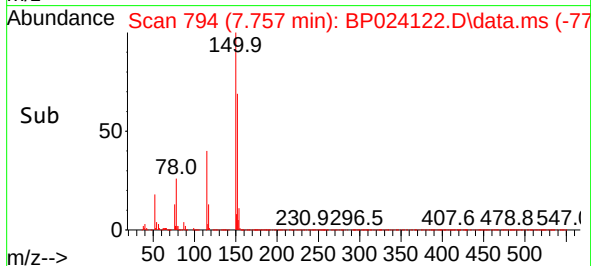
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:152 Resp: 28460
Ion Ratio Lower Upper
152 100
150 153.9 122.4 183.6
115 58.9 45.0 67.6

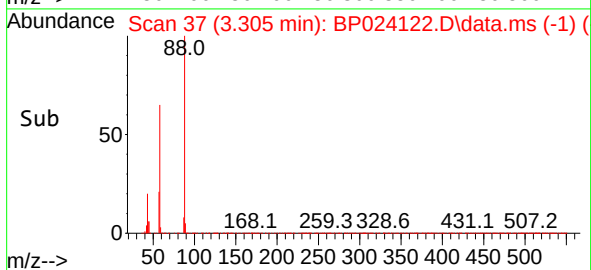
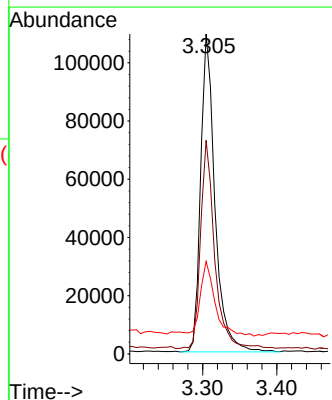
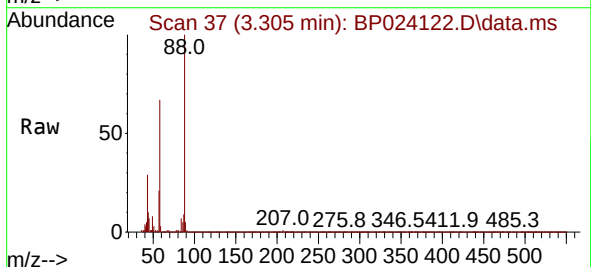
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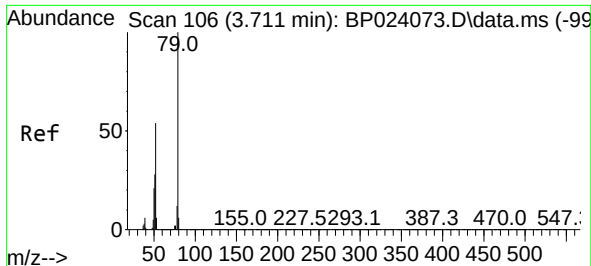
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#2
1,4-Dioxane
Concen: 20.421 ng
RT: 3.305 min Scan# 37
Delta R.T. -0.012 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion: 88 Resp: 146114
Ion Ratio Lower Upper
88 100
58 64.1 49.1 73.7
43 23.9 18.0 27.0





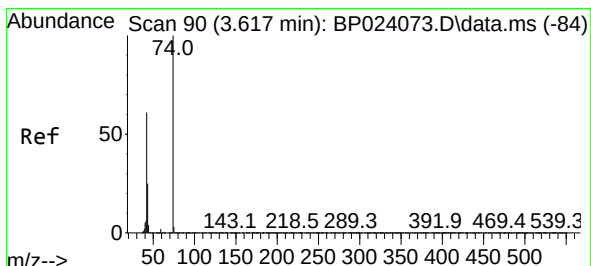
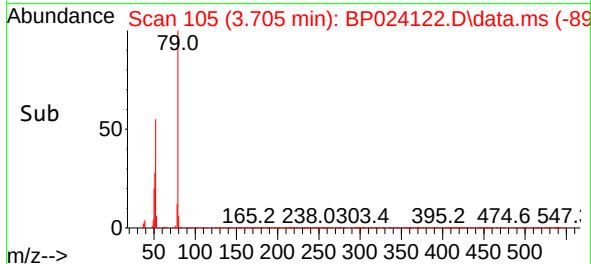
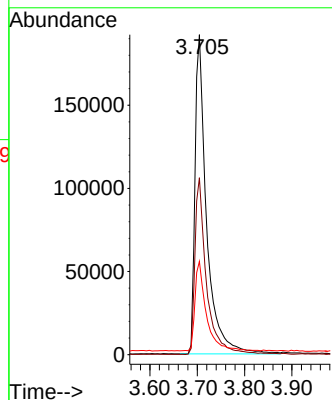
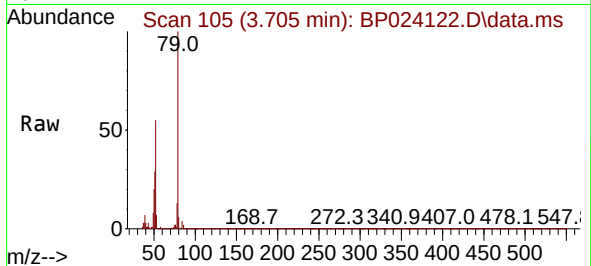
#3
Pyridine
Concen: 17.544 ng
RT: 3.705 min Scan# 106
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion: 79 Resp: 326360
Ion Ratio Lower Upper
79 100
52 55.3 43.5 65.3
51 29.1 22.2 33.4

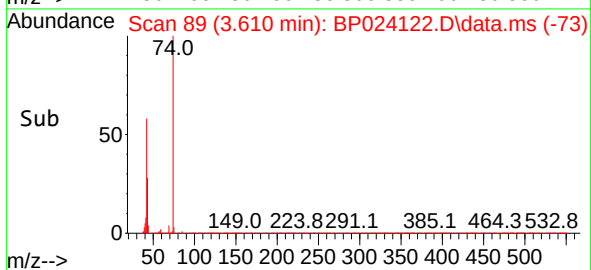
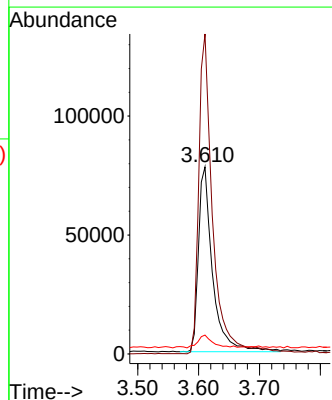
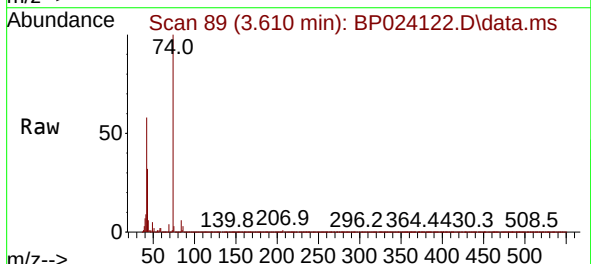
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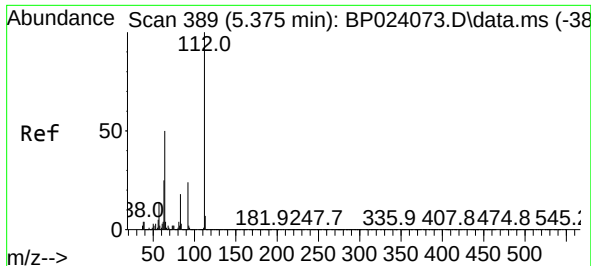
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#4
n-Nitrosodimethylamine
Concen: 19.039 ng
RT: 3.610 min Scan# 89
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

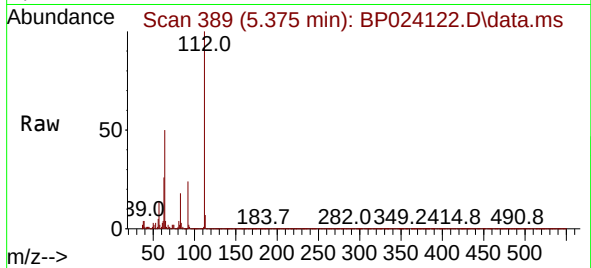
Tgt Ion: 42 Resp: 125627
Ion Ratio Lower Upper
42 100
74 171.1 132.0 198.0
44 10.1 5.3 7.9





#5
2-Fluorophenol
Concen: 70.829 ng
RT: 5.375 min Scan# 389
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

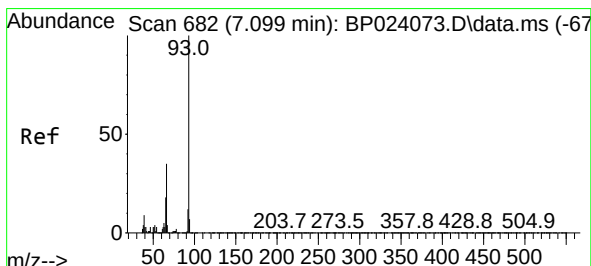
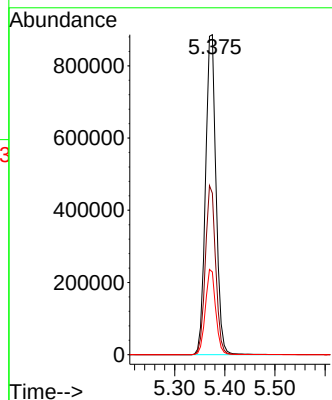
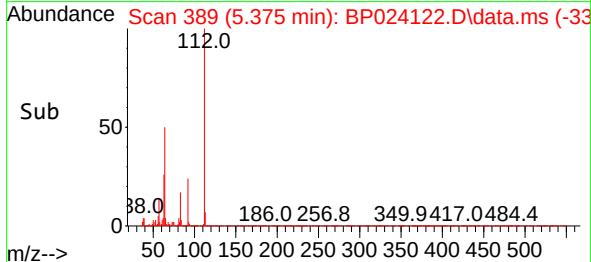
Instrument :
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Tgt Ion: 112 Resp: 129188
Ion Ratio Lower Upper
112 100
64 50.4 39.6 59.4
63 25.8 20.3 30.5

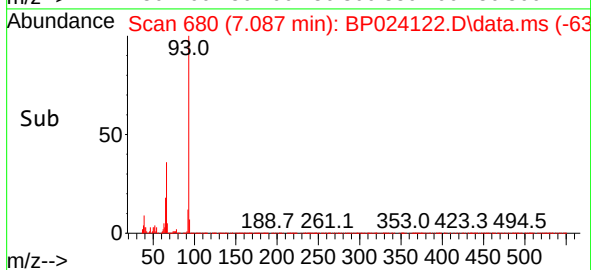
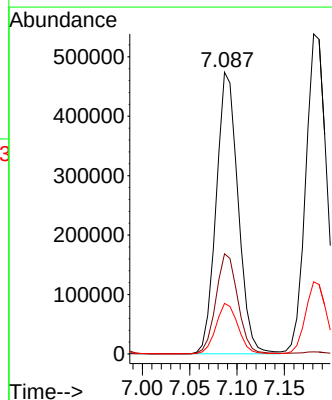
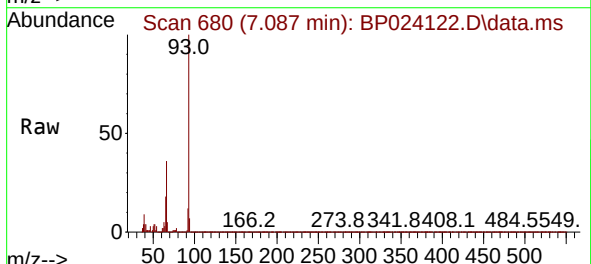
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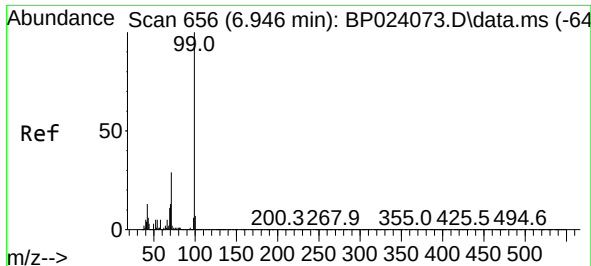
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#6
Aniline
Concen: 35.601 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.012 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

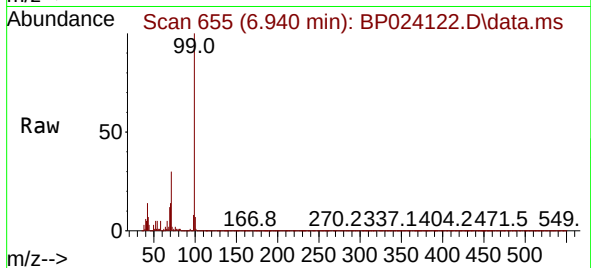
Tgt Ion: 93 Resp: 764302
Ion Ratio Lower Upper
93 100
66 35.5 28.2 42.4
65 18.0 14.1 21.1





#7
Phenol-d6
Concen: 42.728 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

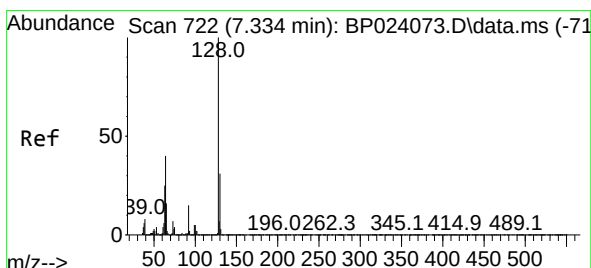
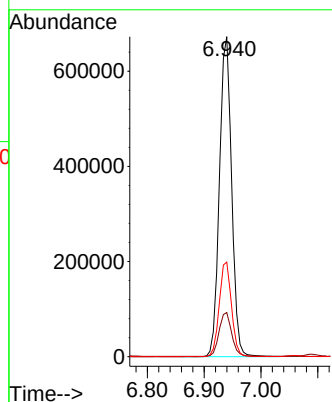
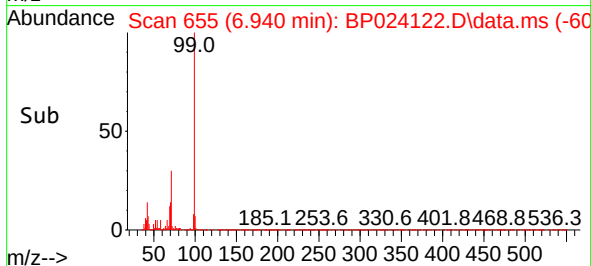
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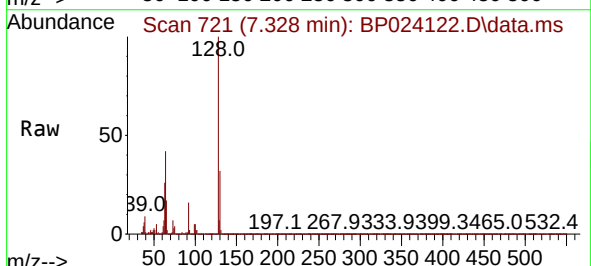
Tgt Ion: 99 Resp: 100165
Ion Ratio Lower Upper
99 100
42 13.8 10.3 15.5
71 29.5 22.9 34.3

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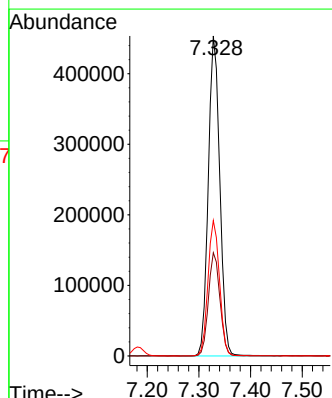
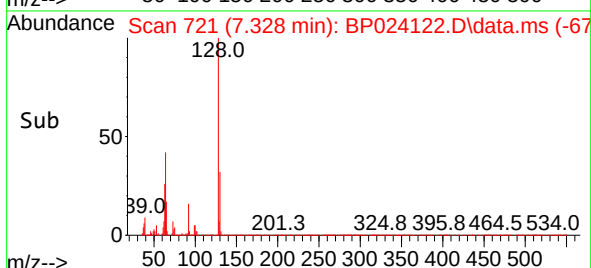
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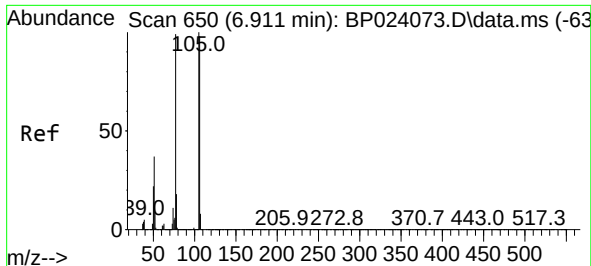


#8
2-Chlorophenol
Concen: 36.223 ng
RT: 7.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



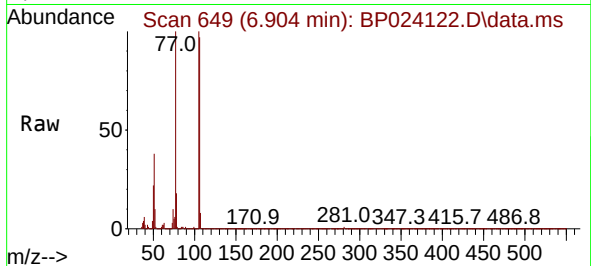
Tgt Ion:128 Resp: 699295
Ion Ratio Lower Upper
128 100
130 32.3 11.5 51.5
64 42.3 19.8 59.8





#9
Benzaldehyde
Concen: 31.669 ng m
RT: 6.904 min Scan# 649
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

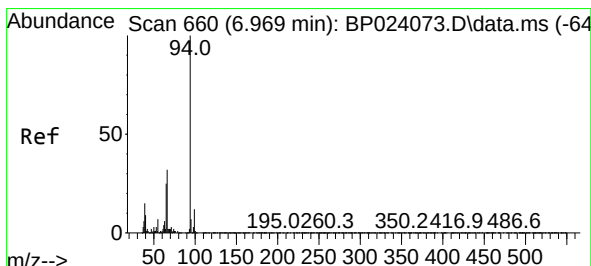
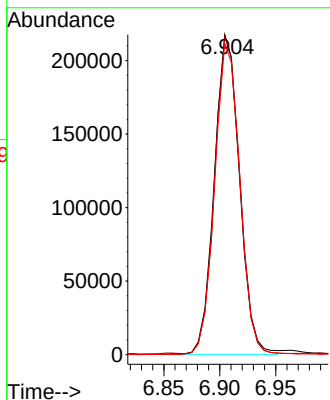
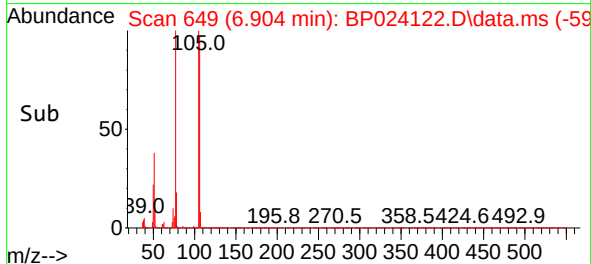
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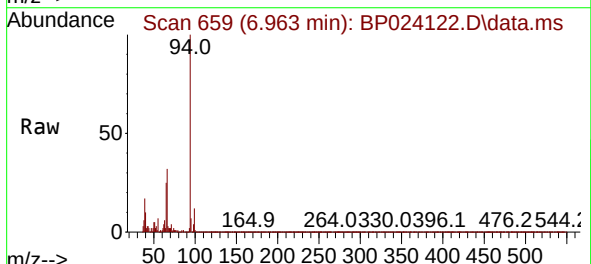
Tgt Ion: 77 Resp: 338940
Ion Ratio Lower Upper
77 100
105 99.8 81.4 121.4
106 97.3 79.0 119.0

Manual Integrations
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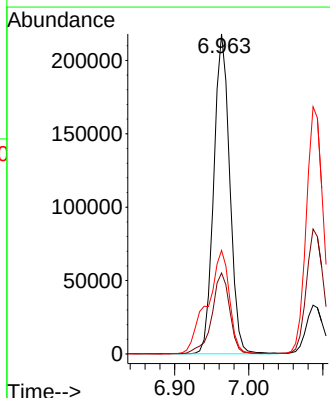
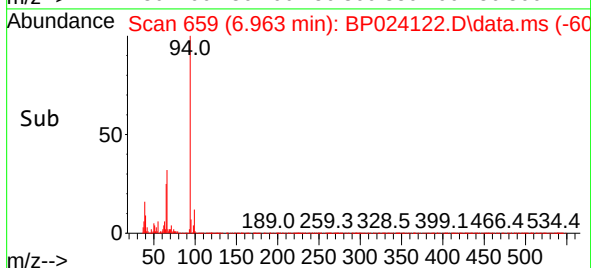
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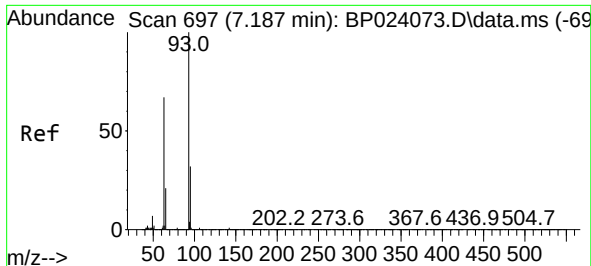


#10
Phenol
Concen: 13.815 ng
RT: 6.963 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



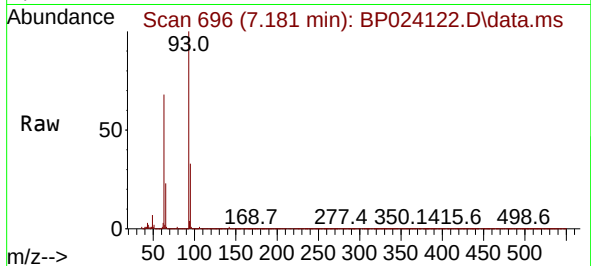
Tgt Ion: 94 Resp: 325655
Ion Ratio Lower Upper
94 100
65 25.3 5.0 45.0
66 32.4 11.6 51.6





#11
bis(2-Chloroethyl)ether
Concen: 44.997 ng
RT: 7.181 min Scan# 697
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

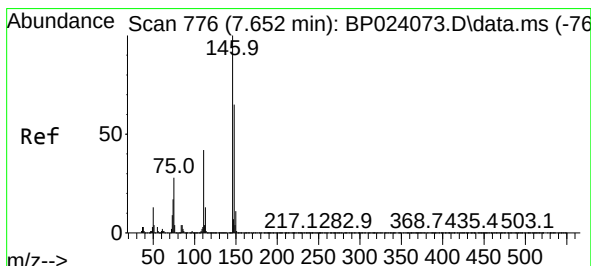
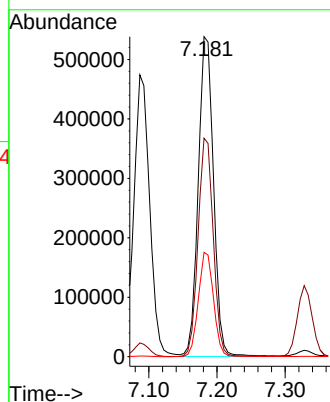
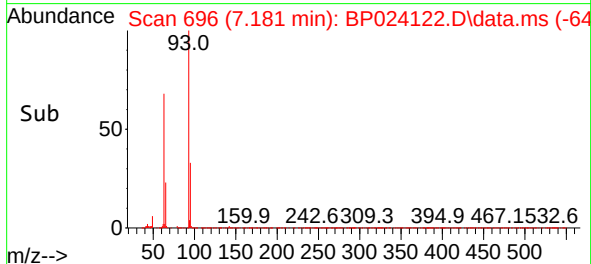
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 93 Resp: 83546
Ion Ratio Lower Upper
93 100
63 68.3 46.5 86.5
95 32.6 12.3 52.3

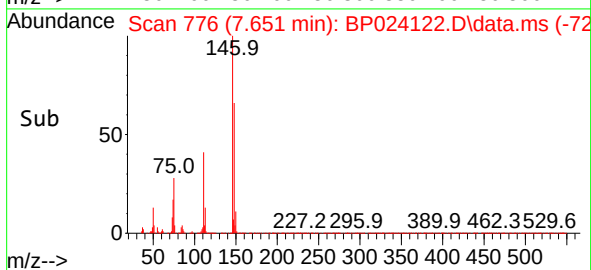
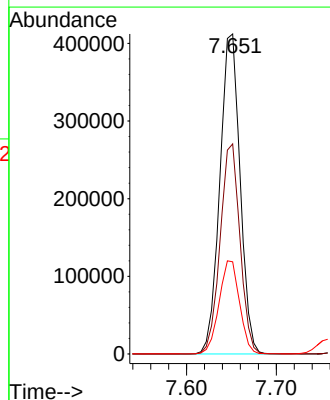
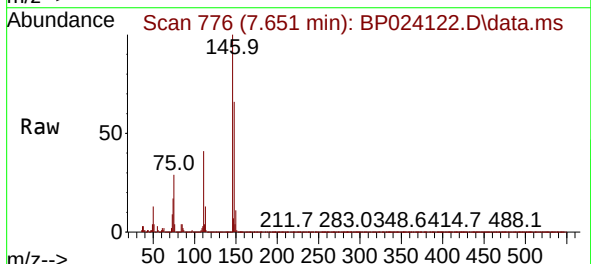
Manual Integrations
APPROVED

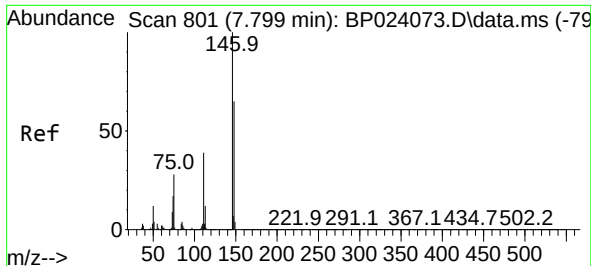
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#12
1,3-Dichlorobenzene
Concen: 30.423 ng
RT: 7.651 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:146 Resp: 645236
Ion Ratio Lower Upper
146 100
148 65.7 51.8 77.8
75 28.8 22.6 33.8





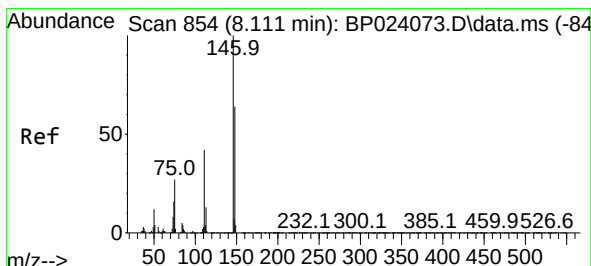
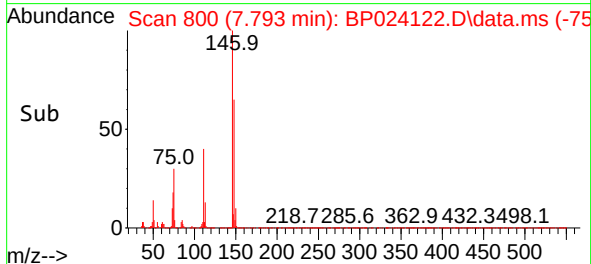
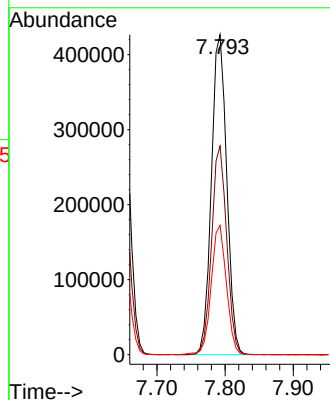
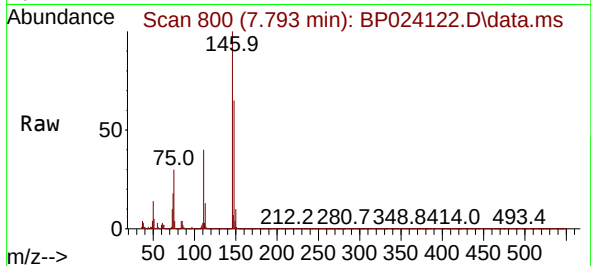
#13
1,4-Dichlorobenzene
Concen: 31.093 ng
RT: 7.793 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:146 Resp: 666902
Ion Ratio Lower Upper
146 100
148 65.2 51.6 77.4
111 40.4 31.2 46.8

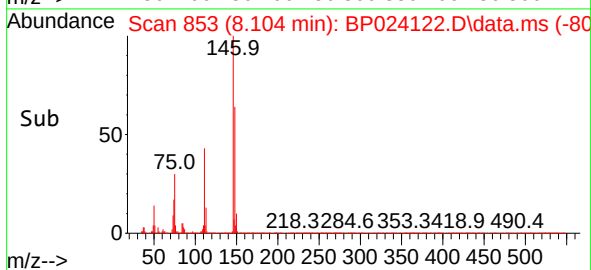
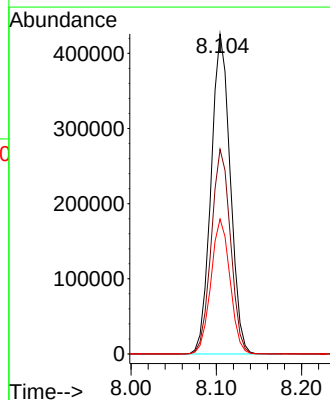
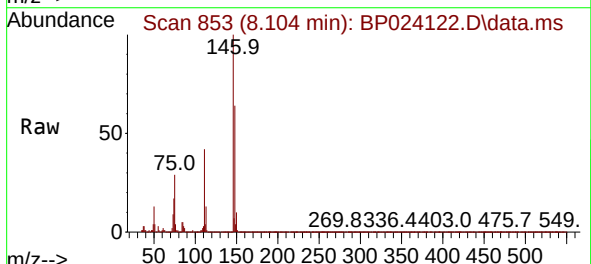
Manual Integrations
APPROVED

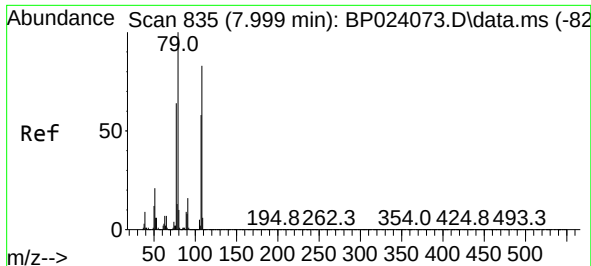
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#14
1,2-Dichlorobenzene
Concen: 32.314 ng
RT: 8.104 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

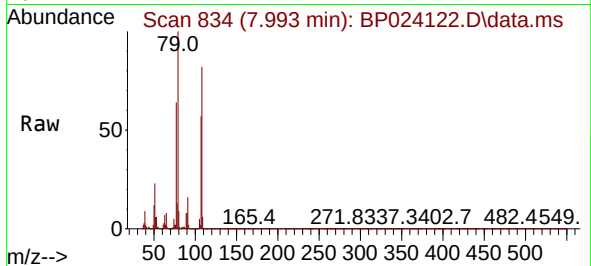
Tgt Ion:146 Resp: 665159
Ion Ratio Lower Upper
146 100
148 63.9 51.2 76.8
111 42.2 33.4 50.0





#15
Benzyl Alcohol
Concen: 33.858 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

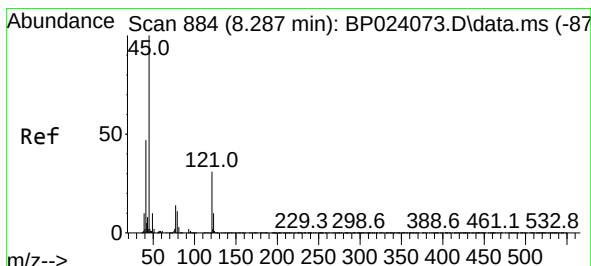
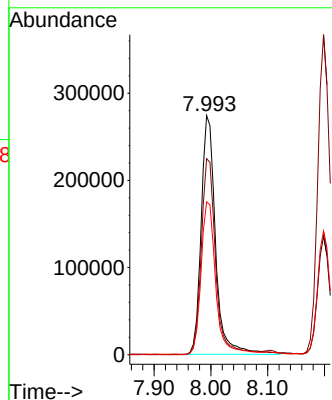
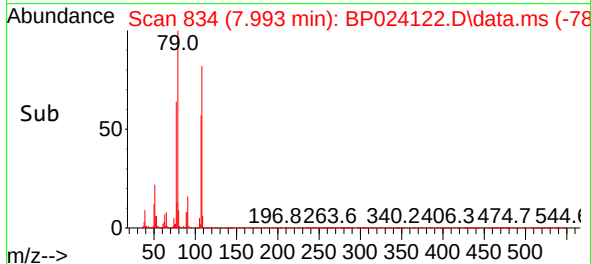
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 79 Resp: 485849
Ion Ratio Lower Upper
79 100
108 81.9 66.4 99.6
77 63.9 51.3 76.9

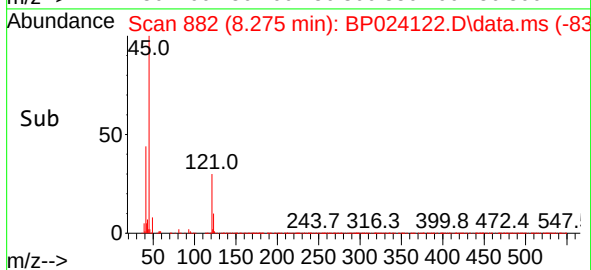
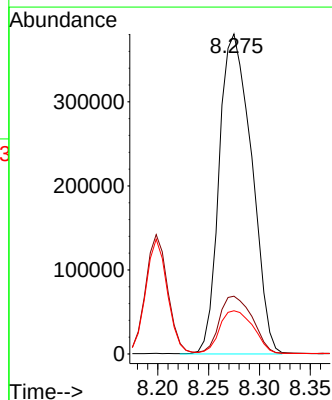
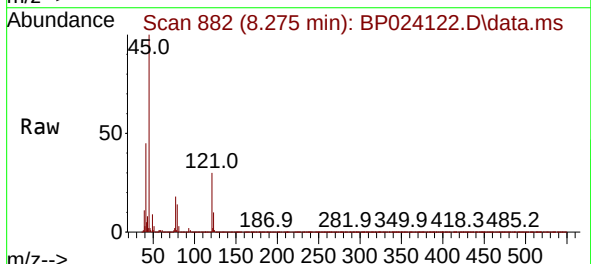
Manual Integrations
APPROVED

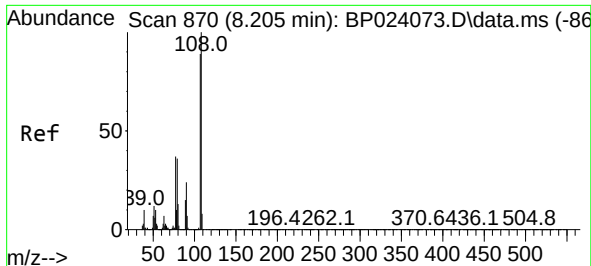
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.765 ng m
RT: 8.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

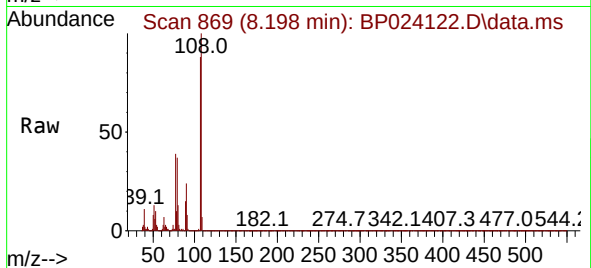
Tgt Ion: 45 Resp: 842890
Ion Ratio Lower Upper
45 100
77 18.1 0.0 38.8
79 13.5 0.0 35.4





#17
2-Methylphenol
Concen: 34.014 ng
RT: 8.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

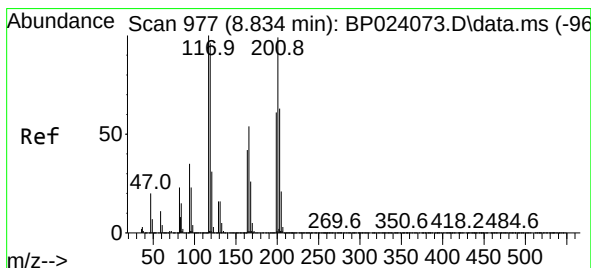
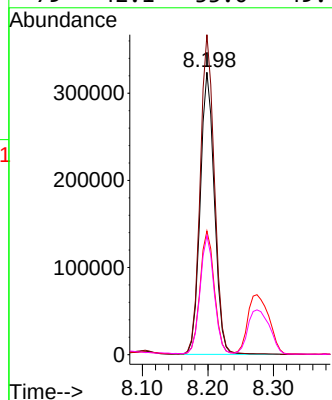
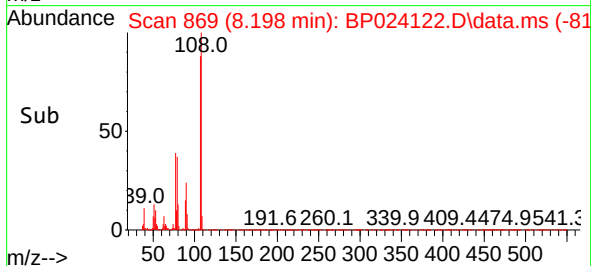
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:	107	Resp:	488620
Ion Ratio	Lower	Upper	
107	100		
108	113.3	90.0	135.0
77	43.8	33.8	50.6
79	42.1	33.0	49.4

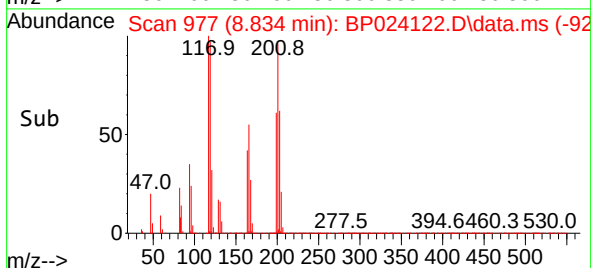
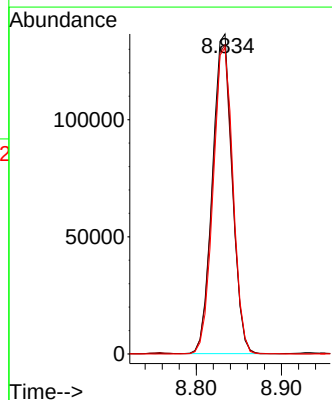
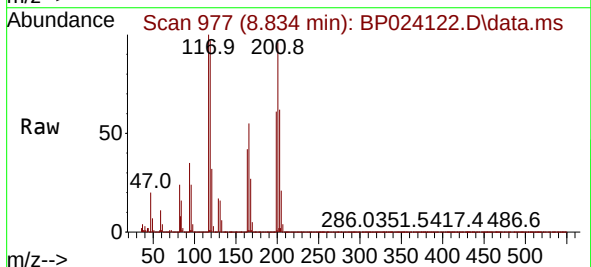
Manual Integrations
APPROVED

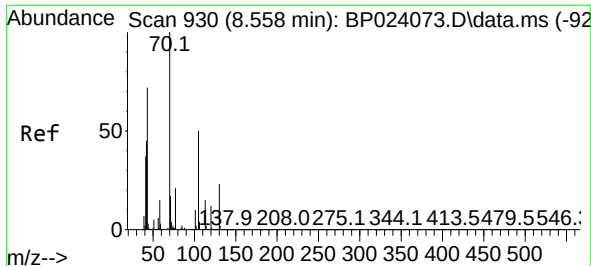
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#18
Hexachloroethane
Concen: 28.726 ng
RT: 8.834 min Scan# 977
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

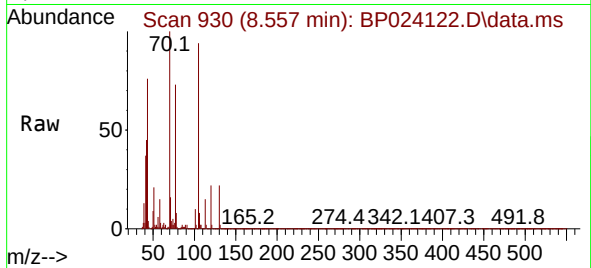
Tgt Ion:	117	Resp:	221886
Ion Ratio	Lower	Upper	
117	100		
119	96.7	76.9	115.3
201	95.7	79.4	119.2





#19
n-Nitroso-di-n-propylamine
Concen: 50.997 ng
RT: 8.557 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

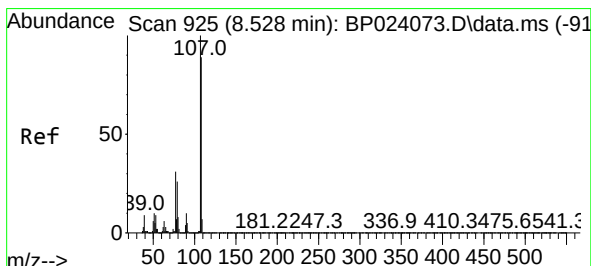
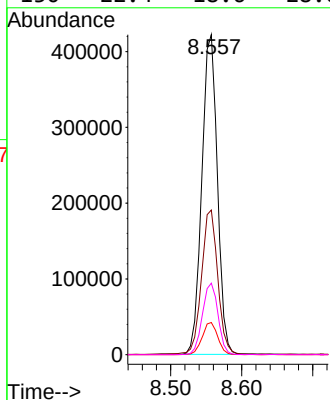
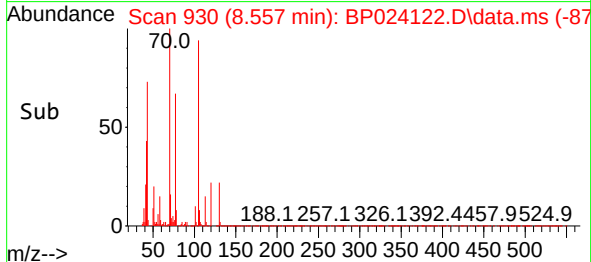
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



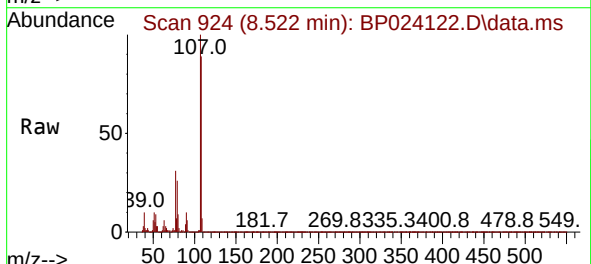
Tgt Ion: 70 Resp: 64279
Ion Ratio Lower Upper
70 100
42 45.2 36.6 54.8
101 10.0 8.2 12.2
130 22.4 18.6 28.0

Manual Integrations
APPROVED

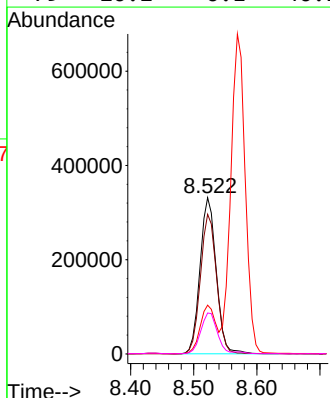
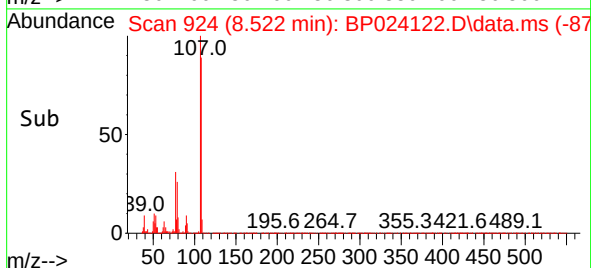
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

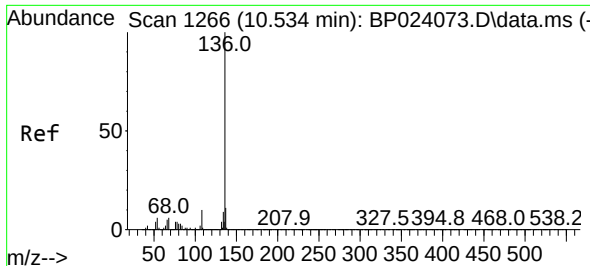


#20
3+4-Methylphenols
Concen: 30.267 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



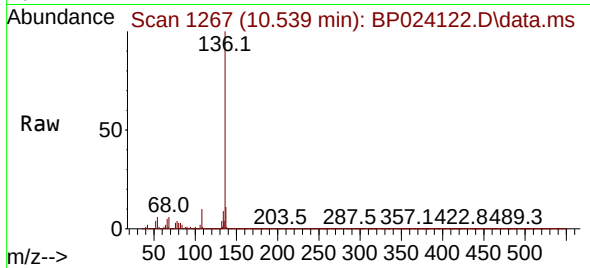
Tgt Ion:107 Resp: 591497
Ion Ratio Lower Upper
107 100
108 89.3 68.5 108.5
77 31.3 10.7 50.7
79 26.2 6.1 46.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

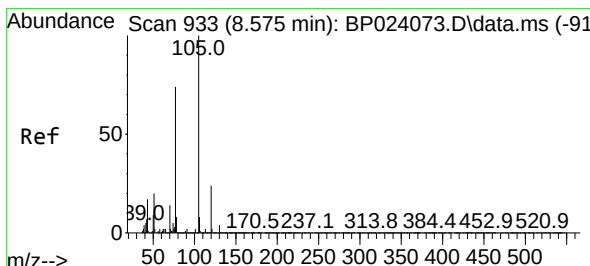
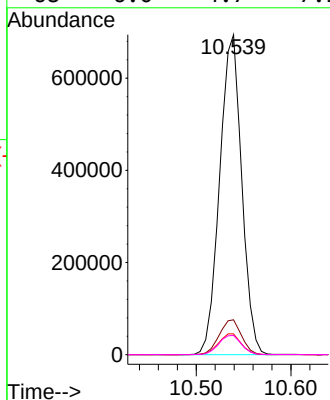
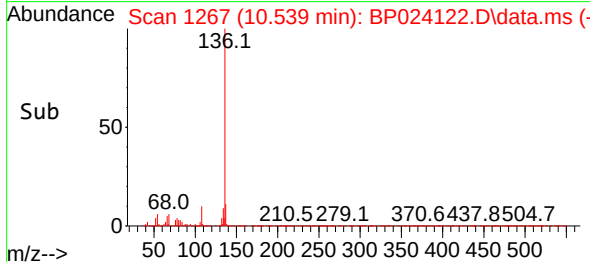
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:136 Resp: 1123648
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.5 4.9 7.3
68 6.0 4.7 7.1

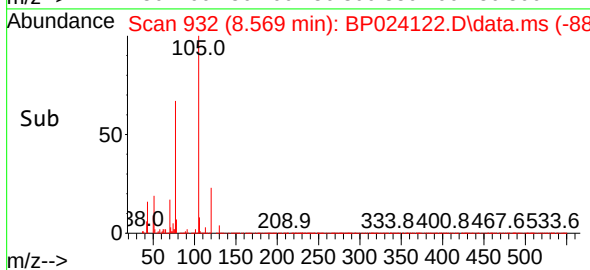
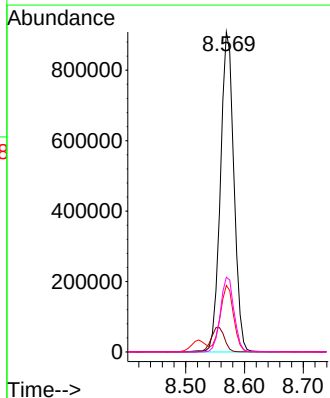
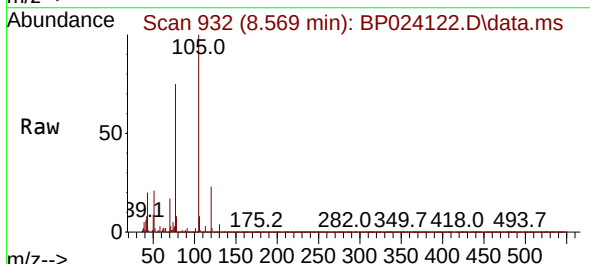
Manual Integrations
APPROVED

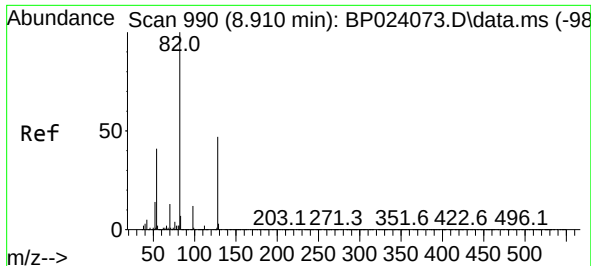
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#22
Acetophenone
Concen: 50.155 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:105 Resp: 1448224
Ion Ratio Lower Upper
105 100
71 2.7 1.9 2.9
51 20.8 16.3 24.5
120 23.4 19.0 28.4





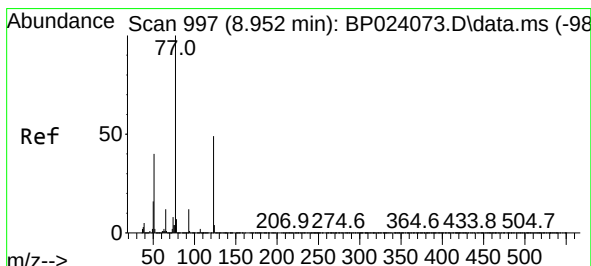
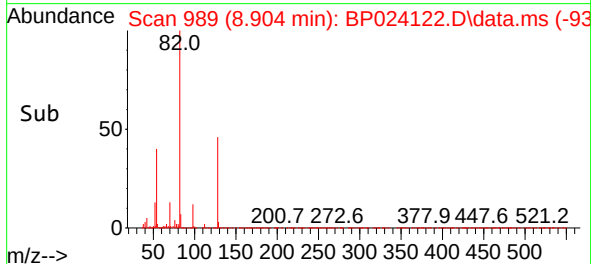
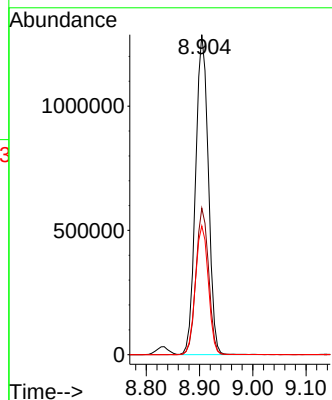
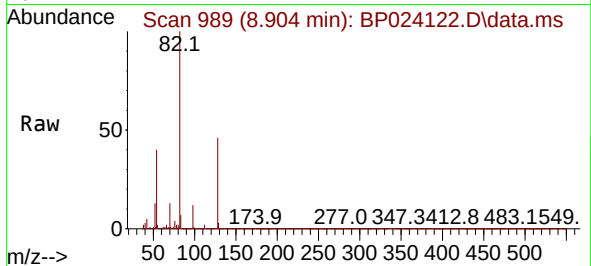
#23
Nitrobenzene-d5
Concen: 106.431 ng
RT: 8.904 min Scan# 990
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion: 82 Resp: 2143628
Ion Ratio Lower Upper
82 100
128 45.8 37.4 56.2
54 40.3 32.4 48.6

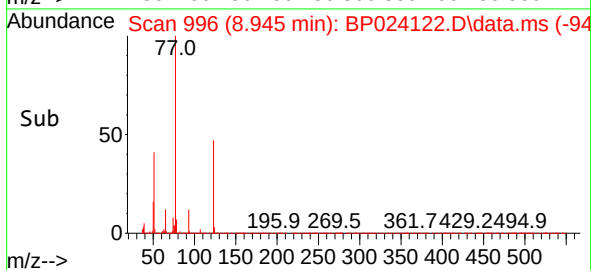
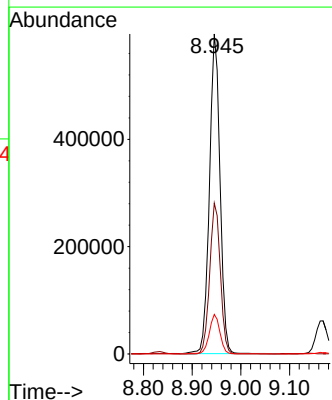
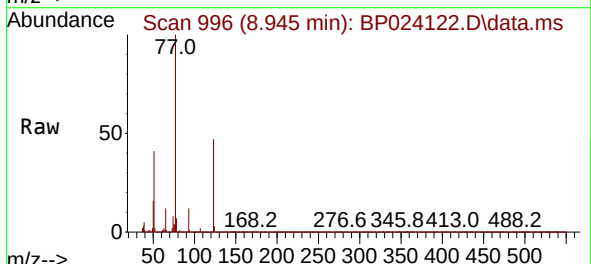
Manual Integrations
APPROVED

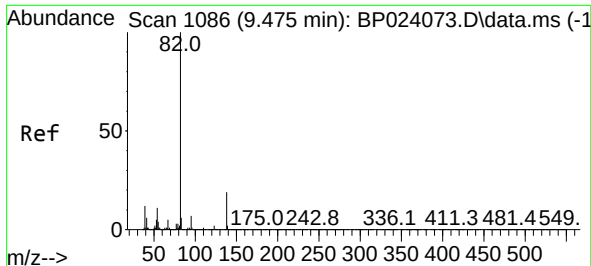
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#24
Nitrobenzene
Concen: 45.072 ng
RT: 8.945 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

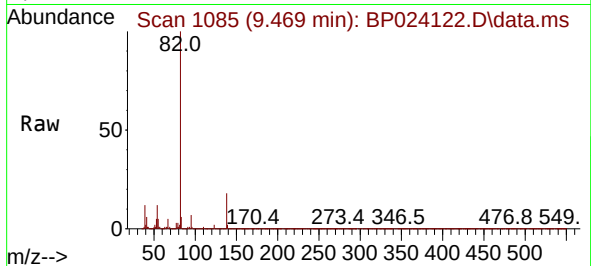
Tgt Ion: 77 Resp: 893418
Ion Ratio Lower Upper
77 100
123 47.1 39.4 59.2
65 12.4 9.9 14.9





#25
Isophorone
Concen: 53.658 ng
RT: 9.469 min Scan# 1085
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

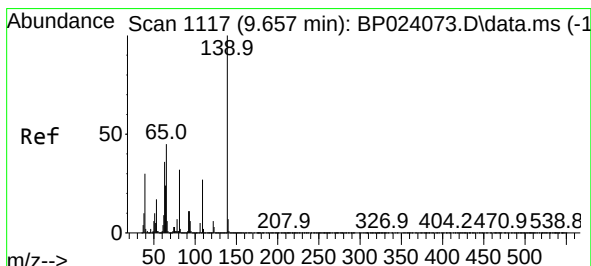
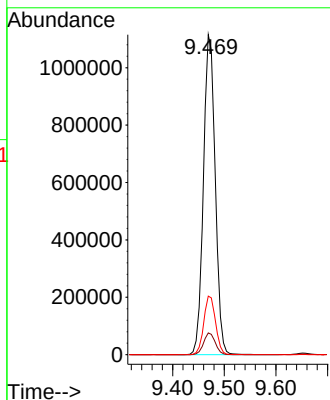
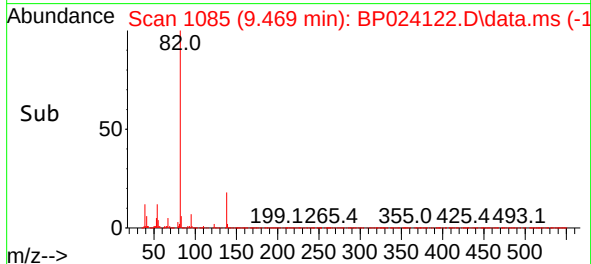
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 82 Resp: 176730
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 18.3 15.3 22.9

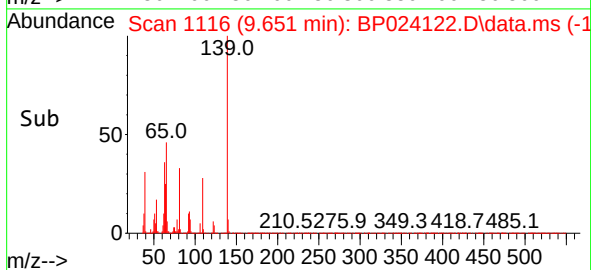
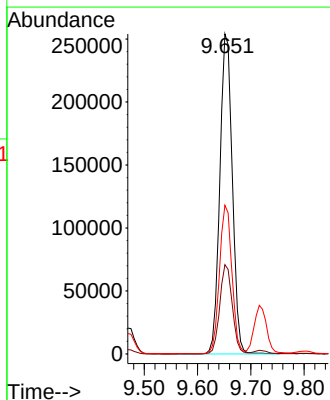
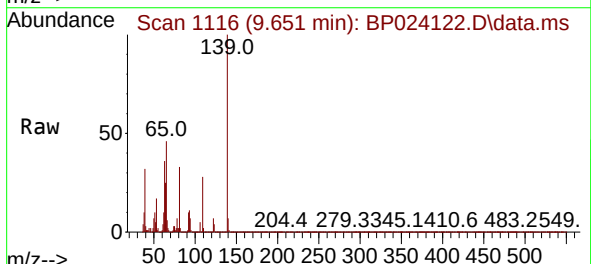
Manual Integrations
APPROVED

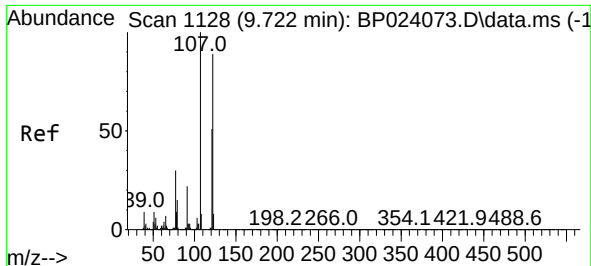
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#26
2-Nitrophenol
Concen: 45.169 ng
RT: 9.651 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:139 Resp: 412490
Ion Ratio Lower Upper
139 100
109 27.9 21.7 32.5
65 46.4 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 56.289 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024122.D

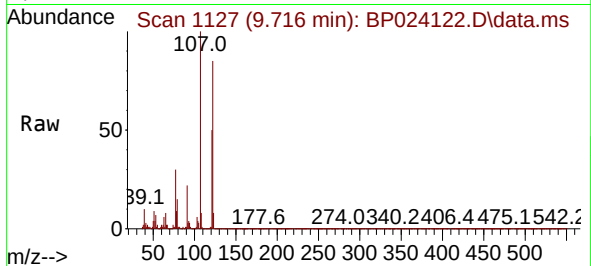
Acq: 27 Feb 2025 15:49

Instrument :

BNA_P

ClientSampleId :

P001-CLAY-CF01-01MSD



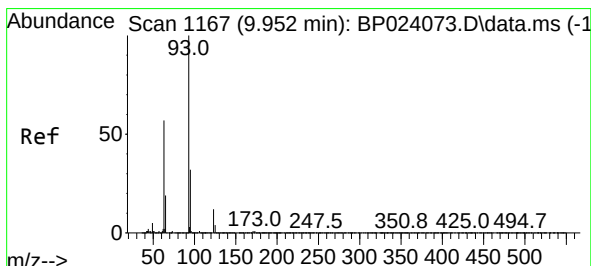
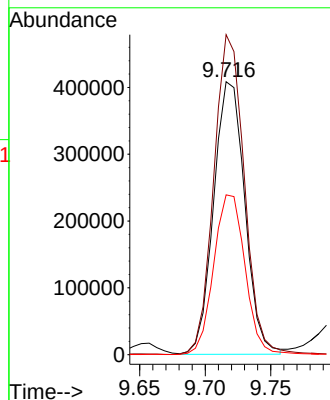
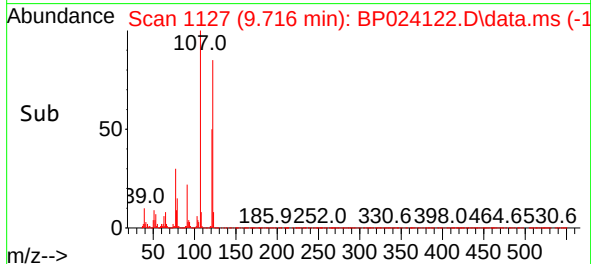
Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.3	89.8	134.8
121	58.6	45.9	68.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.917 ng

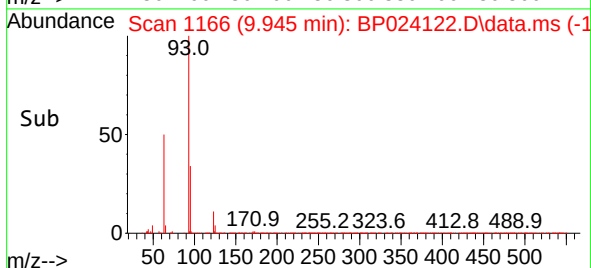
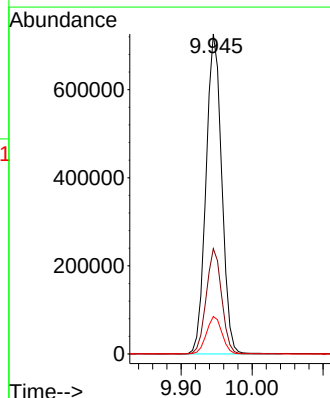
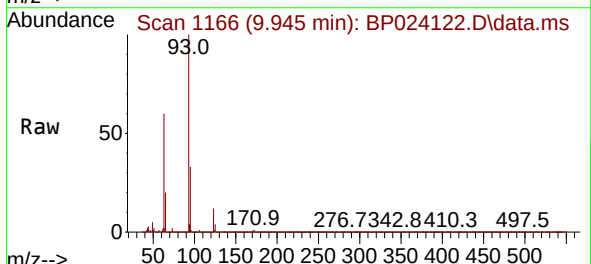
RT: 9.945 min Scan# 1166

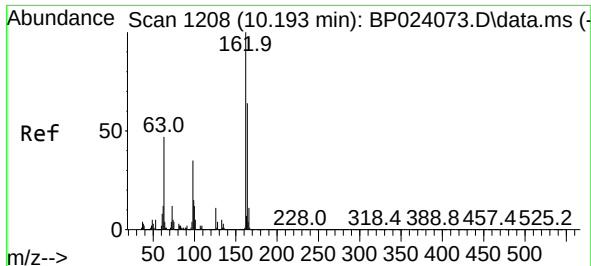
Delta R.T. -0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

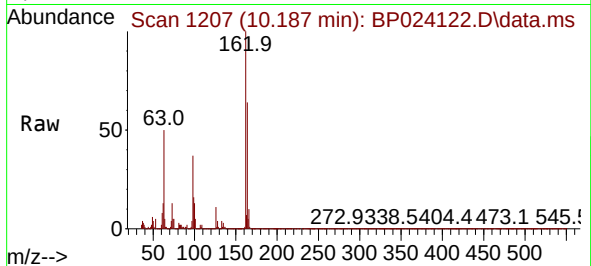
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.9	38.9
123	11.7	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 44.787 ng
RT: 10.187 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

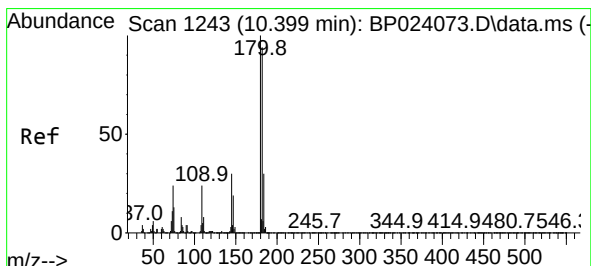
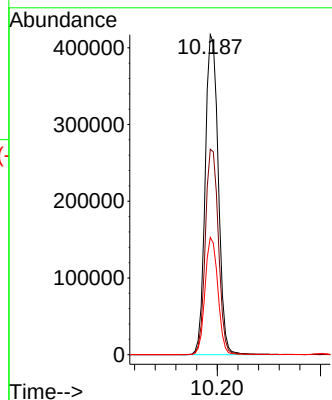
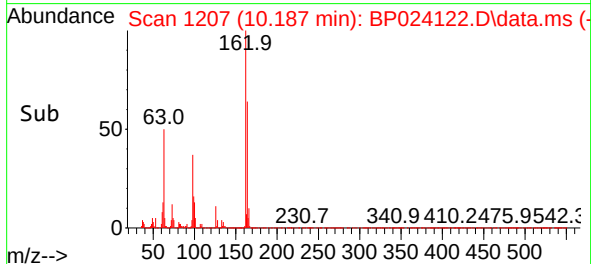
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



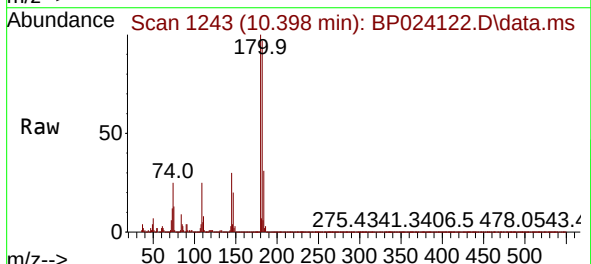
Tgt Ion:162 Resp: 73268
Ion Ratio Lower Upper
162 100
164 64.2 44.5 84.5
98 36.7 15.3 55.3

Manual Integrations
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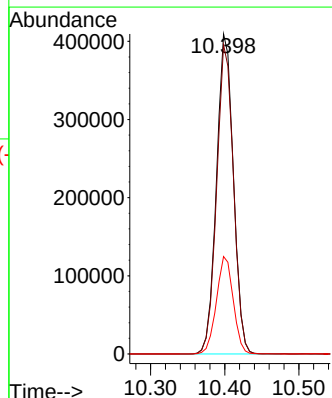
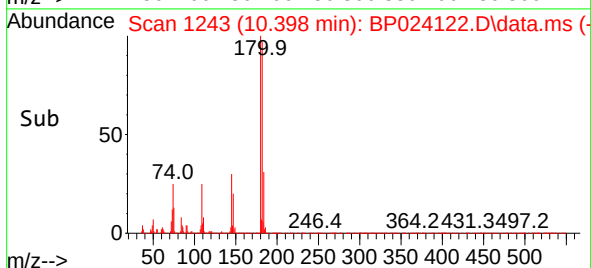
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

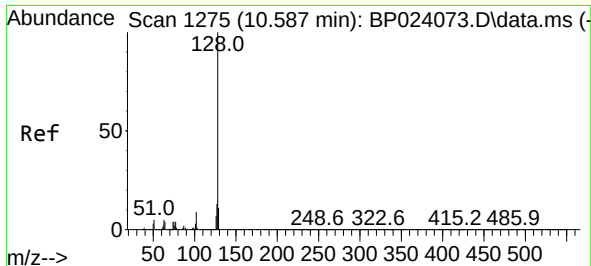


#30
1,2,4-Trichlorobenzene
Concen: 34.577 ng
RT: 10.398 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



Tgt Ion:180 Resp: 648095
Ion Ratio Lower Upper
180 100
182 96.6 75.4 113.2
145 30.5 24.0 36.0





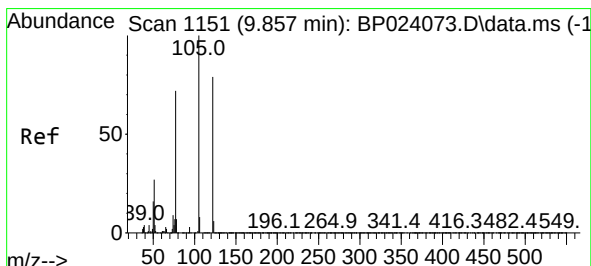
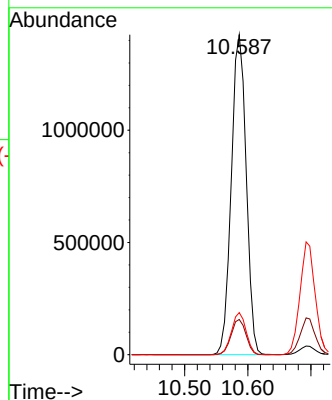
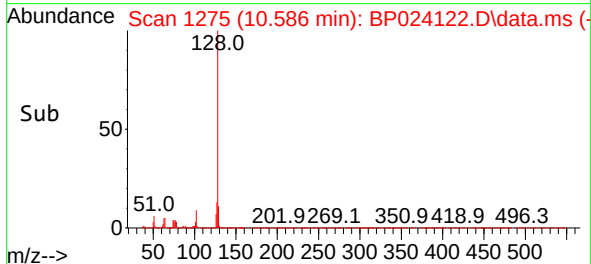
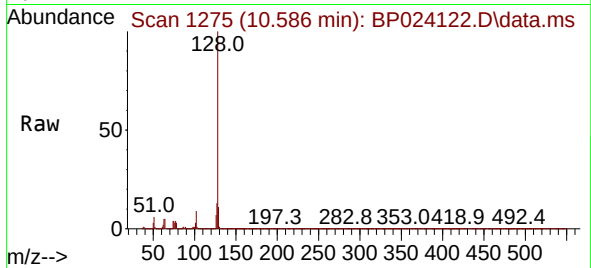
#31
Naphthalene
Concen: 38.654 ng
RT: 10.586 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:128 Resp: 233539
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.3 15.5

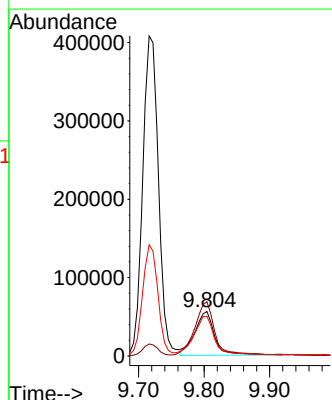
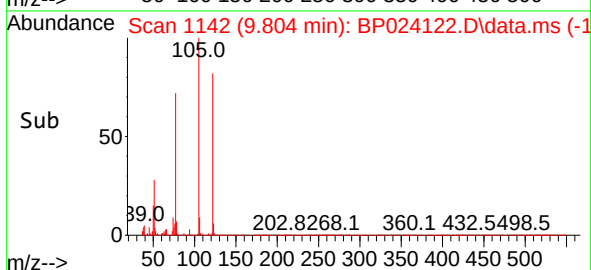
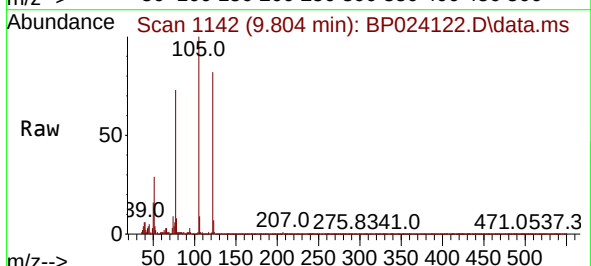
Manual Integrations
APPROVED

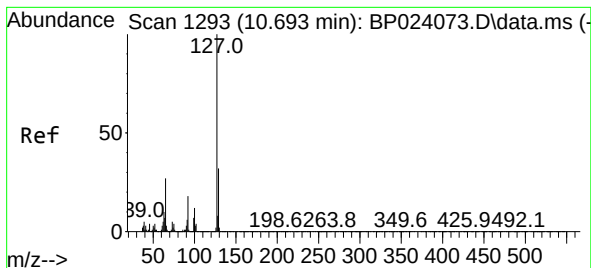
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#32
Benzoic acid
Concen: 15.431 ng
RT: 9.804 min Scan# 1142
Delta R.T. -0.053 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:122 Resp: 118371
Ion Ratio Lower Upper
122 100
105 122.0 103.7 143.7
77 89.3 69.9 109.9





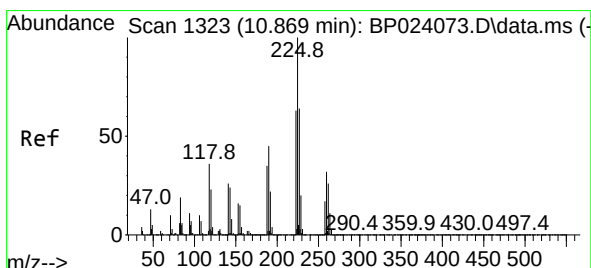
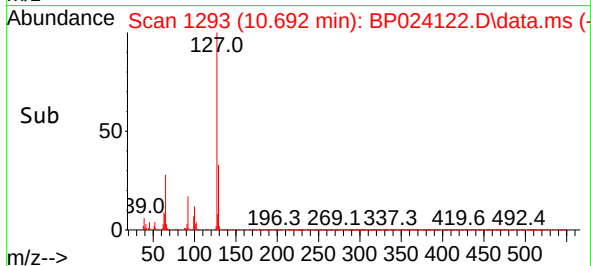
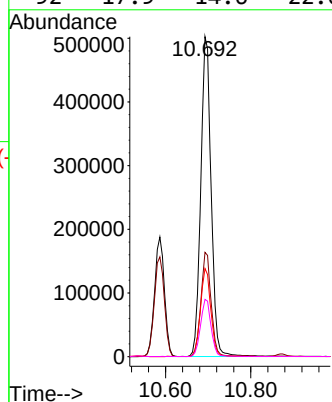
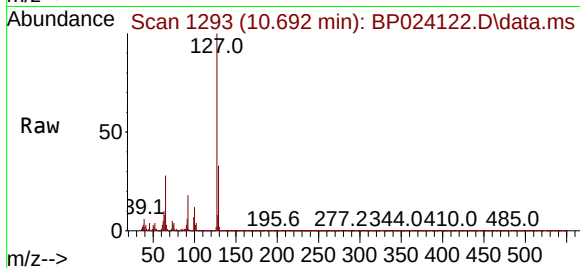
#33
4-Chloroaniline
Concen: 39.893 ng
RT: 10.692 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.0
65	27.6	21.3	31.9
92	17.9	14.6	22.0

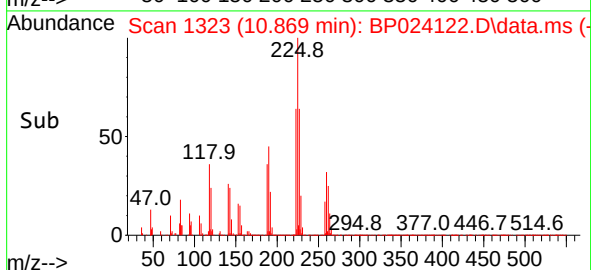
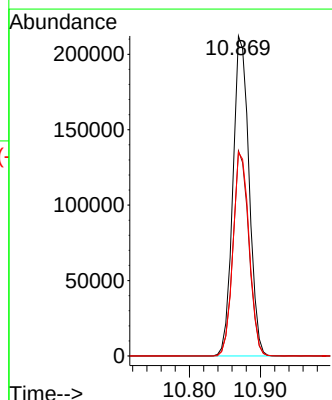
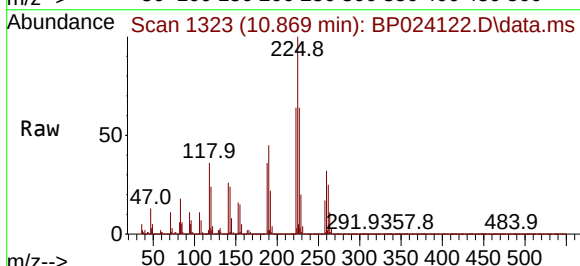
Manual Integrations
APPROVED

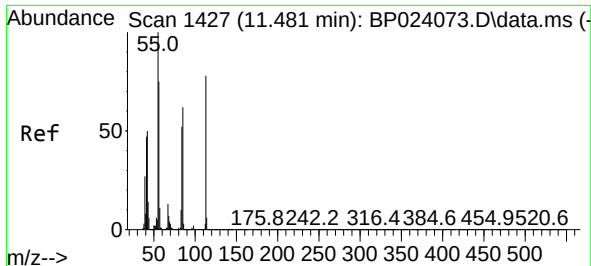
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#34
Hexachlorobutadiene
Concen: 30.846 ng
RT: 10.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

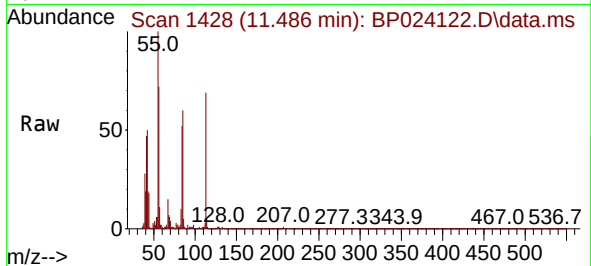
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.5	75.7
227	63.7	51.3	76.9





#35
Caprolactam
Concen: 13.473 ng
RT: 11.486 min Scan# 1427
Delta R.T. 0.005 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

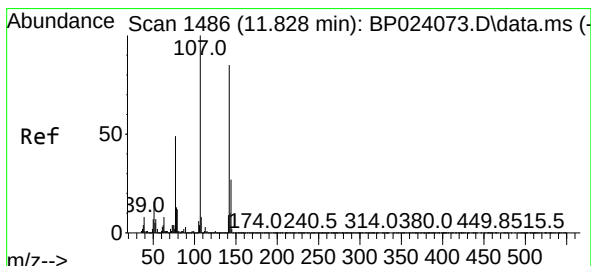
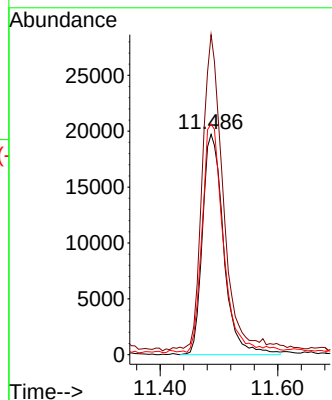
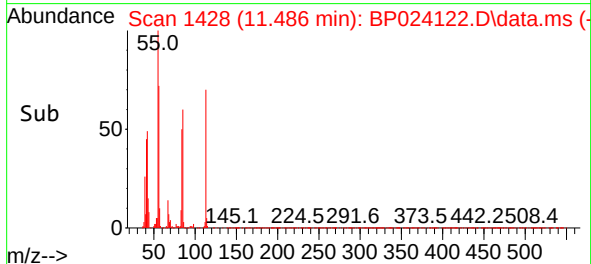
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



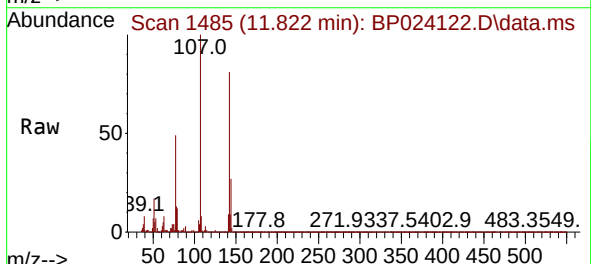
Tgt Ion:113 Resp: 4924
Ion Ratio Lower Upper
113 100
55 145.2 108.8 148.8
56 104.7 76.5 116.5

Manual Integrations
APPROVED

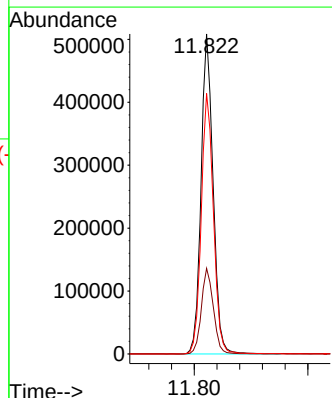
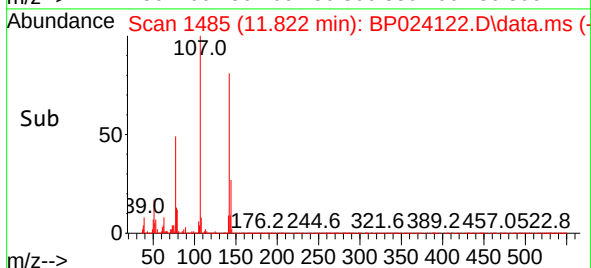
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

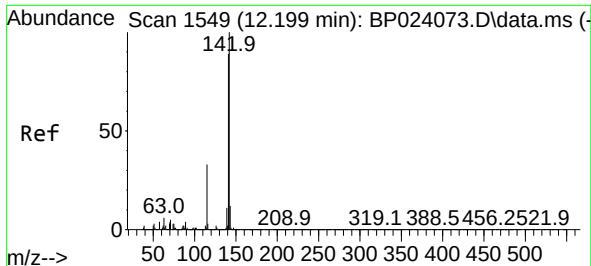


#36
4-Chloro-3-methylphenol
Concen: 44.480 ng
RT: 11.822 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



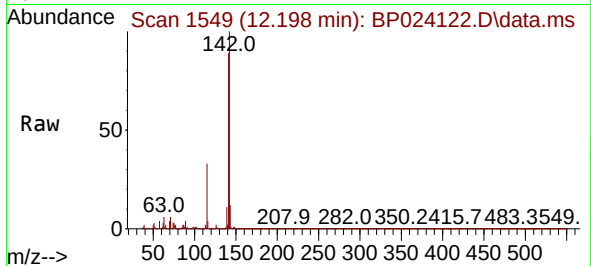
Tgt Ion:107 Resp: 748050
Ion Ratio Lower Upper
107 100
144 26.8 21.8 32.8
142 81.4 67.8 101.8





#37
2-Methylnaphthalene
Concen: 41.897 ng
RT: 12.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

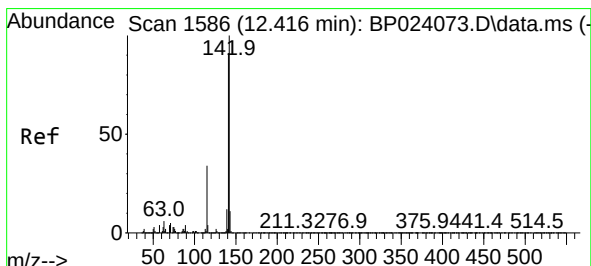
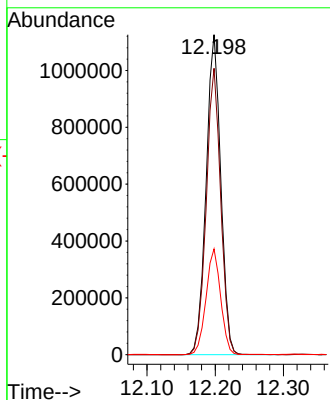
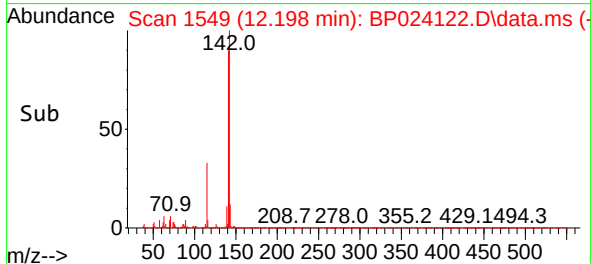
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



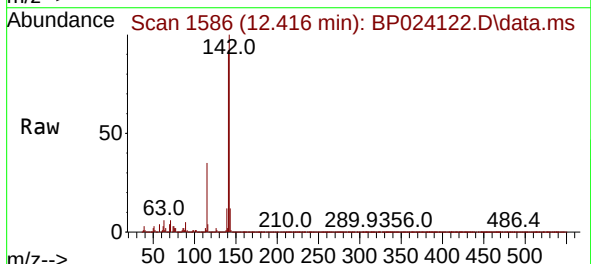
Tgt Ion:142 Resp: 1682459
Ion Ratio Lower Upper
142 100
141 89.5 71.2 106.8
115 33.0 26.5 39.7

Manual Integrations
APPROVED

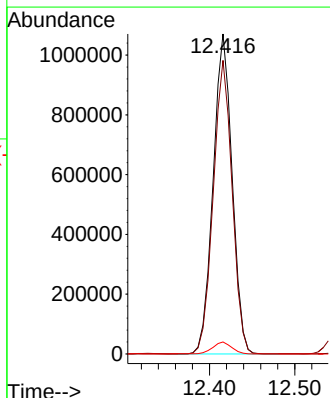
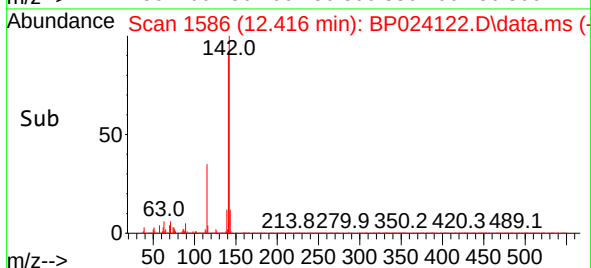
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

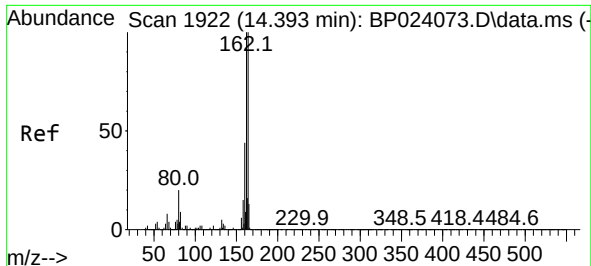


#38
1-Methylnaphthalene
Concen: 42.340 ng
RT: 12.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



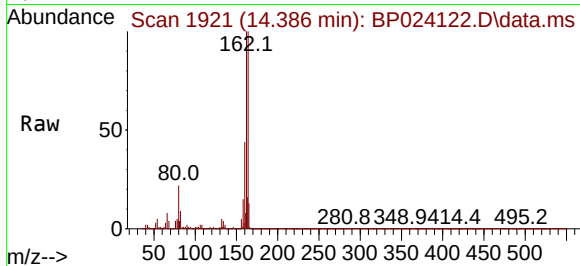
Tgt Ion:142 Resp: 1654059
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.6
116 3.8 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.386 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

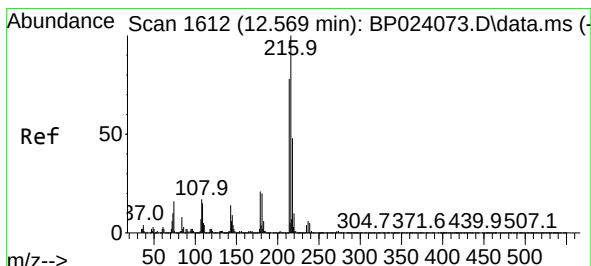
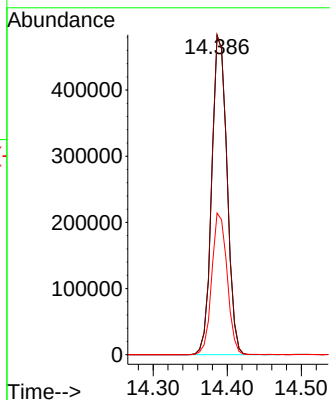
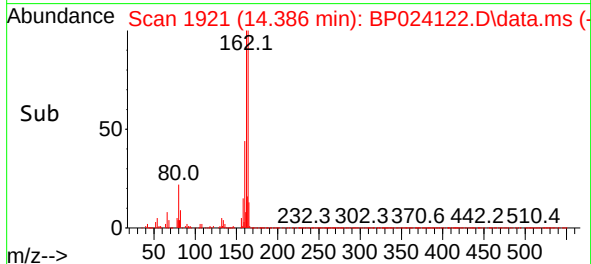
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



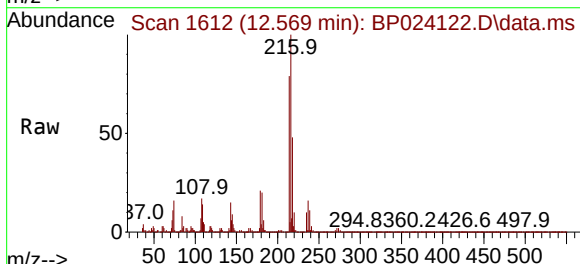
Tgt Ion:164 Resp: 686914
Ion Ratio Lower Upper
164 100
162 100.3 80.1 120.1
160 44.4 35.6 53.4

Manual Integrations
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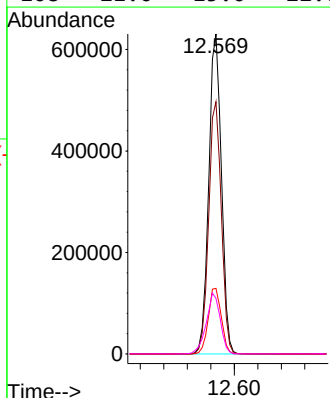
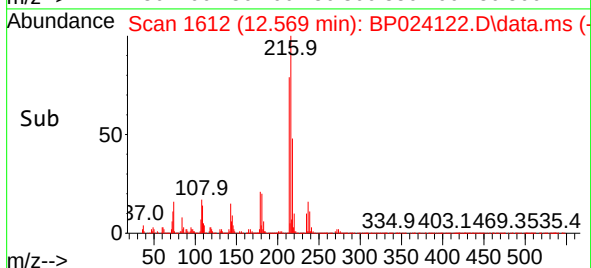
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

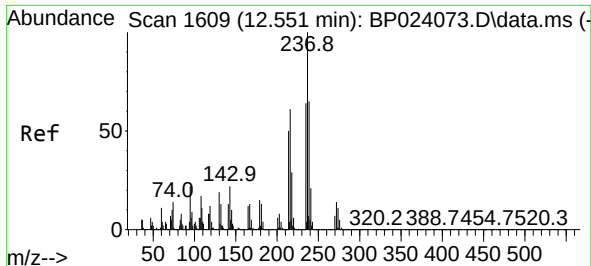


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.651 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



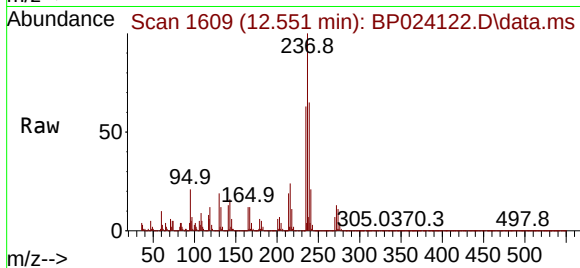
Tgt Ion:216 Resp: 942392
Ion Ratio Lower Upper
216 100
214 78.8 62.7 94.1
179 21.1 16.6 25.0
108 21.0 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 118.207 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

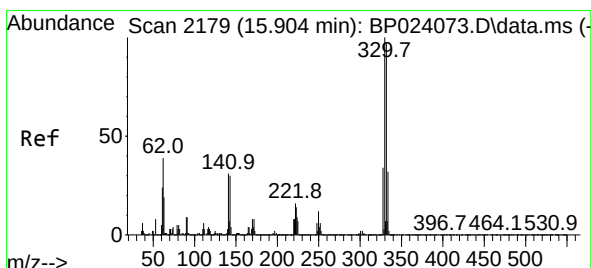
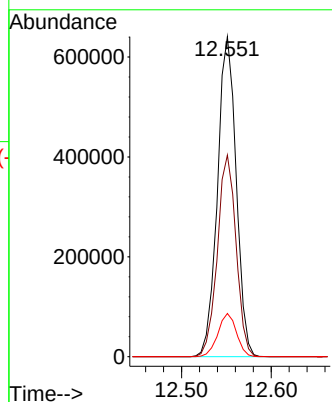
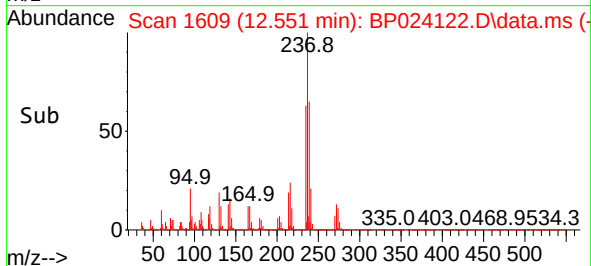
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:237 Resp: 928359
Ion Ratio Lower Upper
237 100
235 63.0 43.5 83.5
272 13.5 0.0 33.7

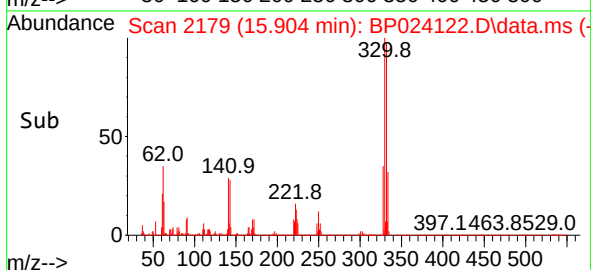
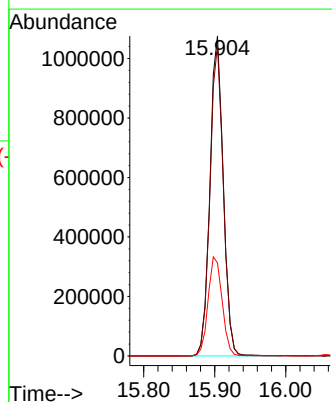
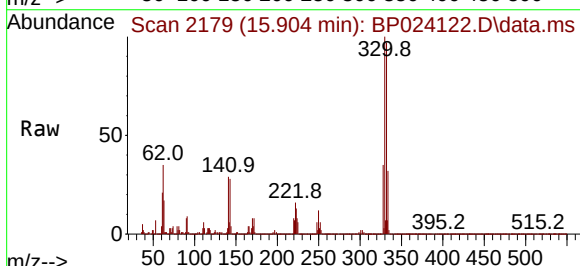
Manual Integrations
APPROVED

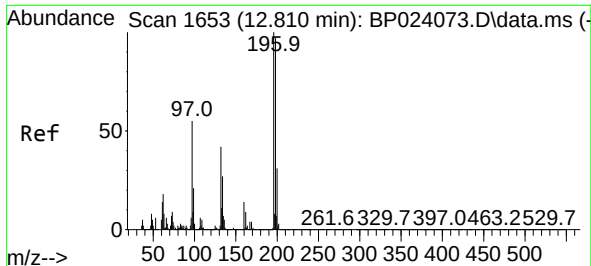
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#42
2,4,6-Tribromophenol
Concen: 166.975 ng
RT: 15.904 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:330 Resp: 1404916
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 32.8 28.3 42.5





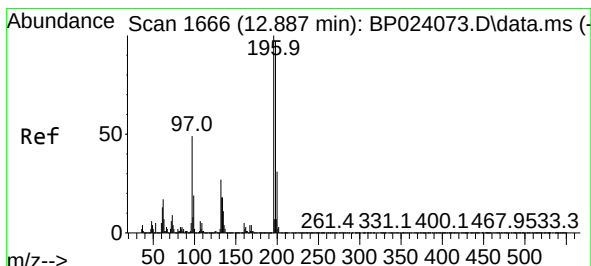
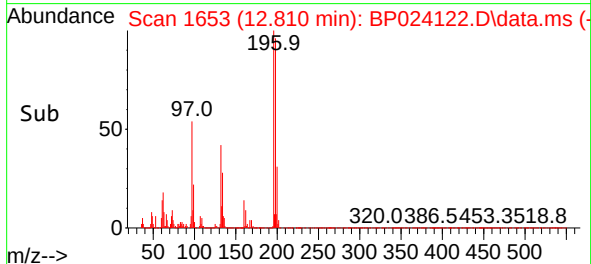
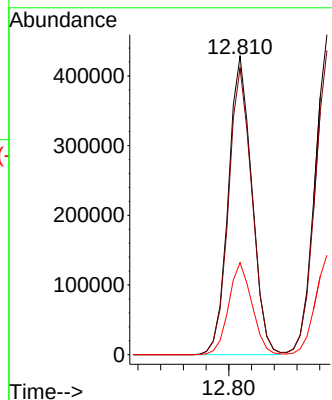
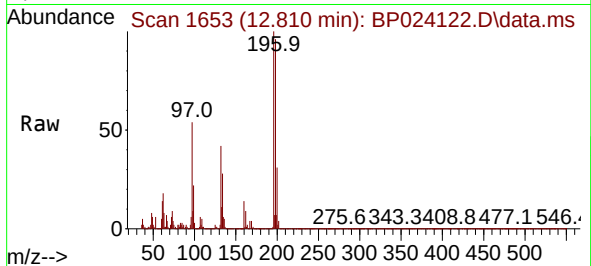
#43
2,4,6-Trichlorophenol
Concen: 47.810 ng
RT: 12.810 min Scan# 1653
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:196 Resp: 61537
Ion Ratio Lower Upper
196 100
198 96.0 77.8 116.6
200 30.8 25.0 37.4

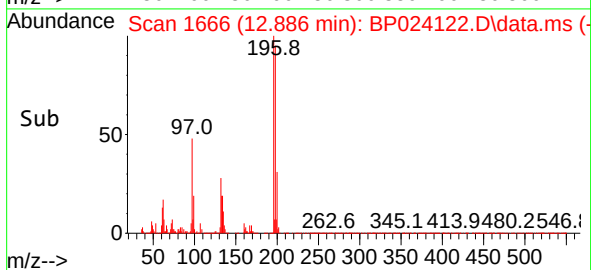
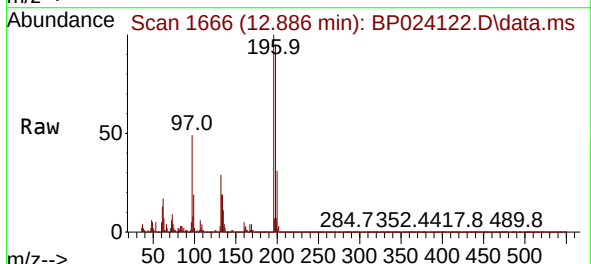
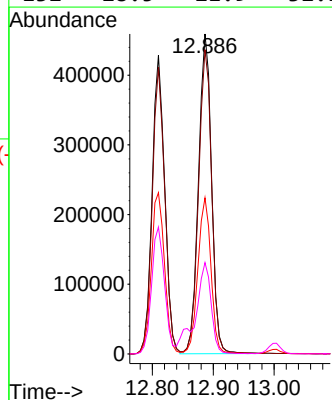
Manual Integrations
APPROVED

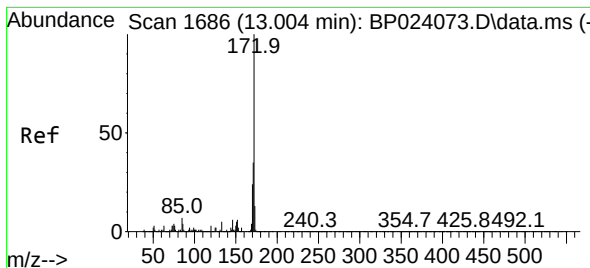
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#44
2,4,5-Trichlorophenol
Concen: 48.587 ng
RT: 12.886 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

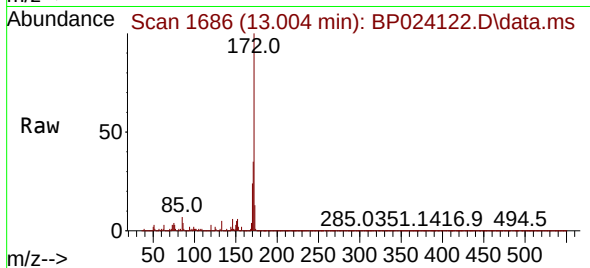
Tgt Ion:196 Resp: 683952
Ion Ratio Lower Upper
196 100
198 95.1 77.4 116.2
97 48.8 39.0 58.4
132 28.5 21.9 32.9





#45
2-Fluorobiphenyl
Concen: 97.798 ng
RT: 13.004 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

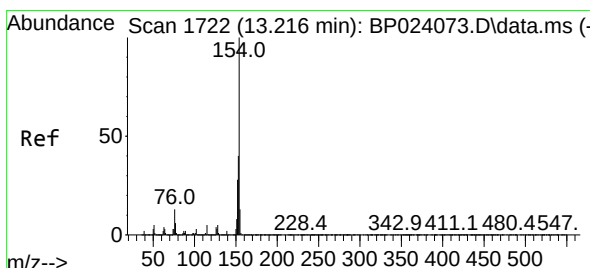
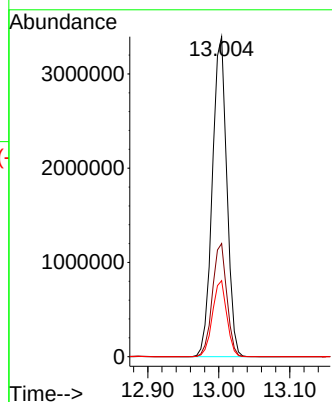
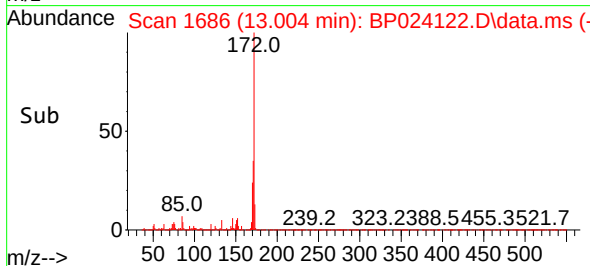
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



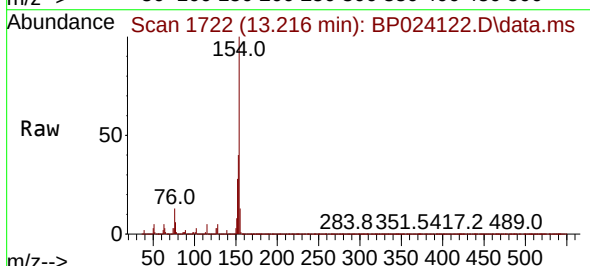
Tgt Ion:172 Resp: 4805374
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.8 19.0 28.6

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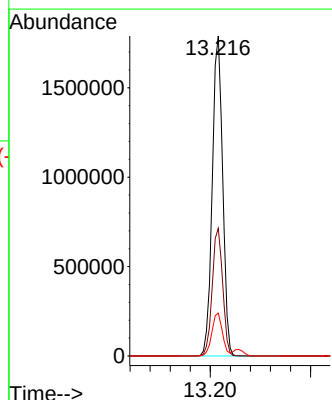
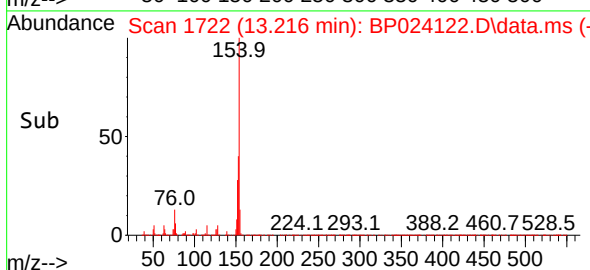
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

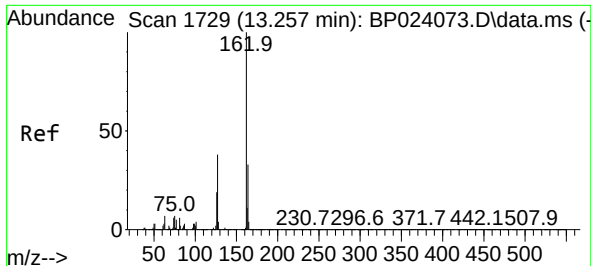


#46
1,1'-Biphenyl
Concen: 48.214 ng
RT: 13.216 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



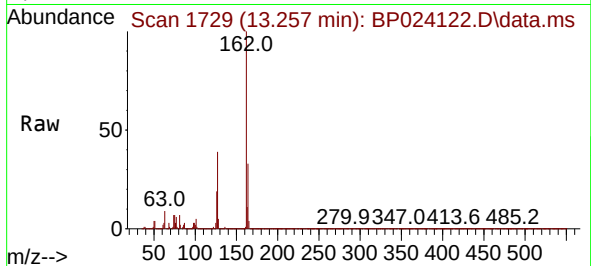
Tgt Ion:154 Resp: 2573531
Ion Ratio Lower Upper
154 100
153 39.9 20.0 60.0
76 13.4 0.0 32.6





#47
2-Chloronaphthalene
Concen: 43.440 ng
RT: 13.257 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

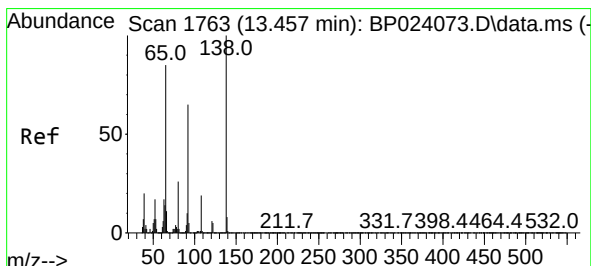
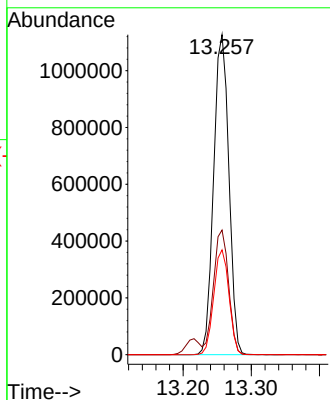
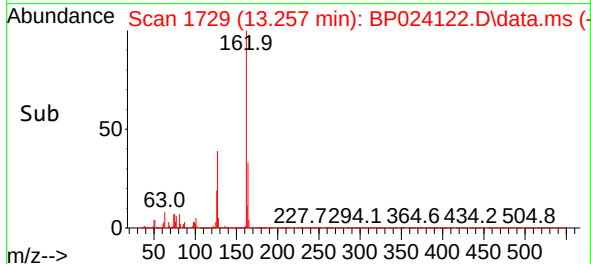
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



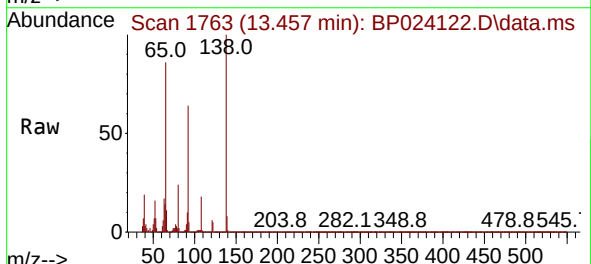
Tgt Ion:162 Resp: 1752829
Ion Ratio Lower Upper
162 100
127 39.0 30.7 46.1
164 32.8 26.6 39.8

Manual Integrations
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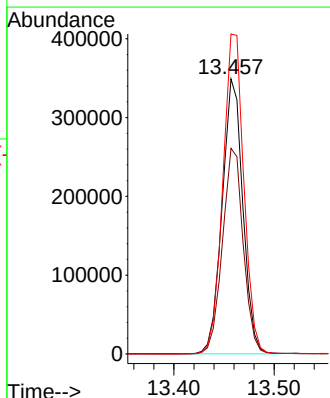
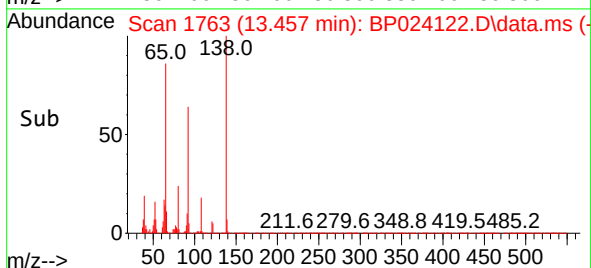
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

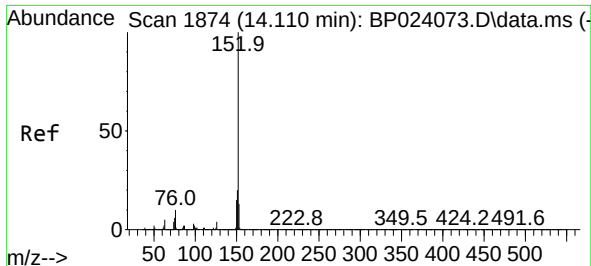


#48
2-Nitroaniline
Concen: 52.432 ng
RT: 13.457 min Scan# 1763
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



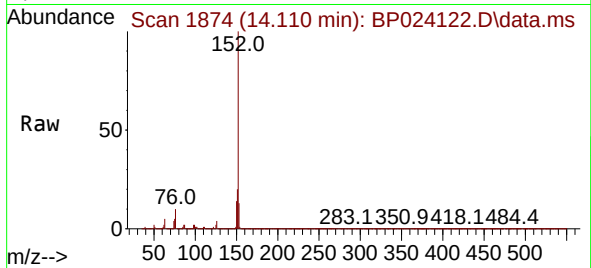
Tgt Ion: 65 Resp: 499760
Ion Ratio Lower Upper
65 100
92 74.7 61.7 92.5
138 116.3 94.6 142.0





#49
Acenaphthylene
Concen: 50.309 ng
RT: 14.110 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

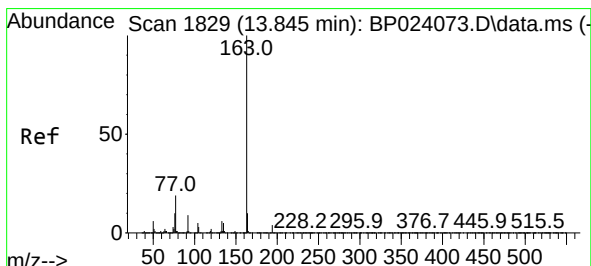
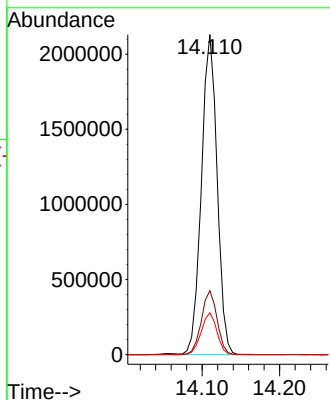
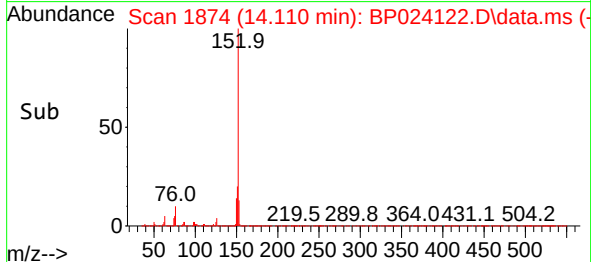
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



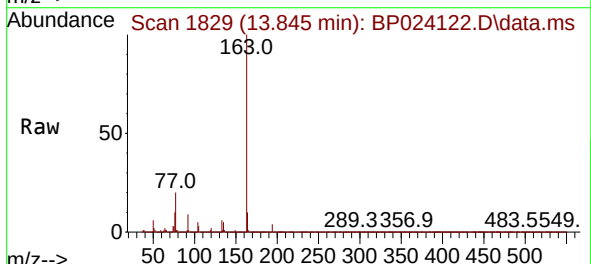
Tgt Ion:152 Resp: 2990870
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.1 10.7 16.1

Manual Integrations
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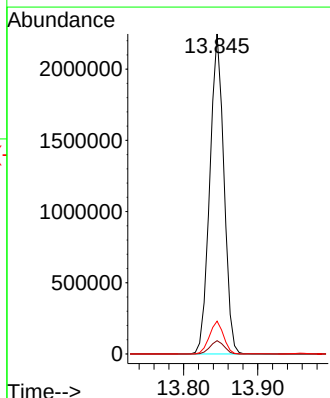
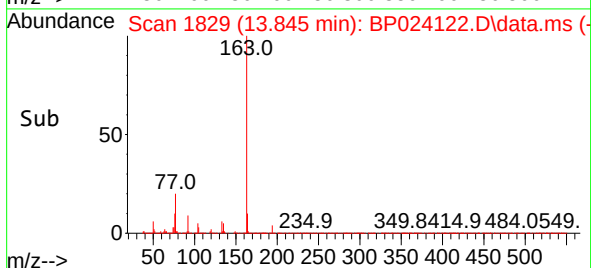
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

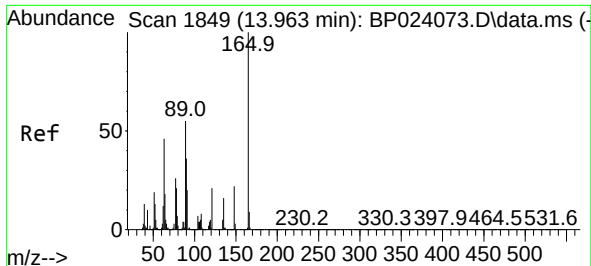


#50
Dimethylphthalate
Concen: 61.369 ng
RT: 13.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



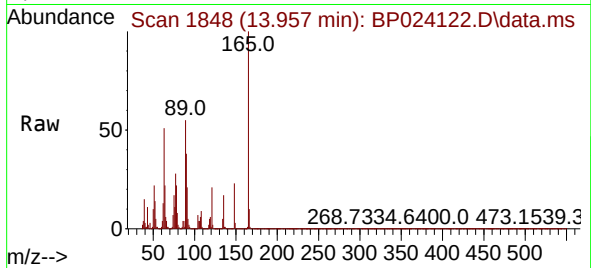
Tgt Ion:163 Resp: 2973591
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 51.204 ng
RT: 13.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

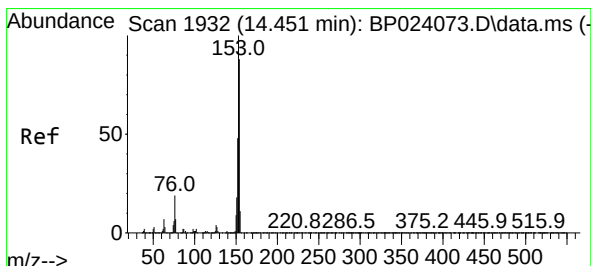
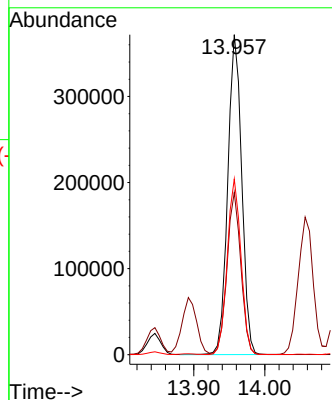
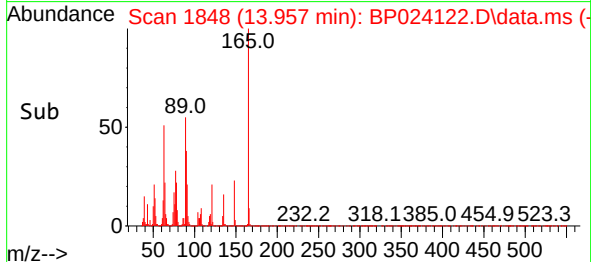
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:165 Resp: 505399
Ion Ratio Lower Upper
165 100
63 50.7 40.1 60.1
89 54.9 44.2 66.4

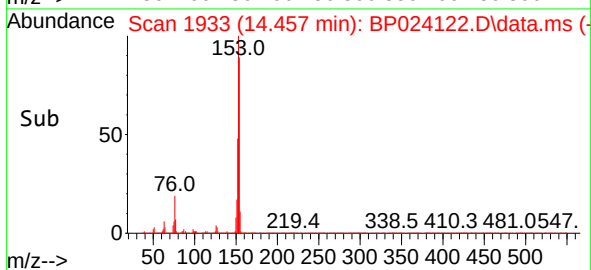
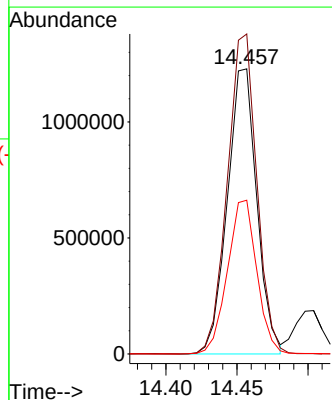
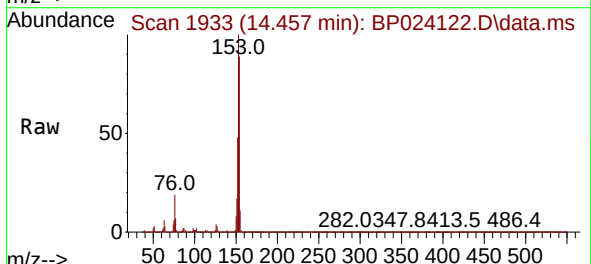
Manual Integrations
APPROVED

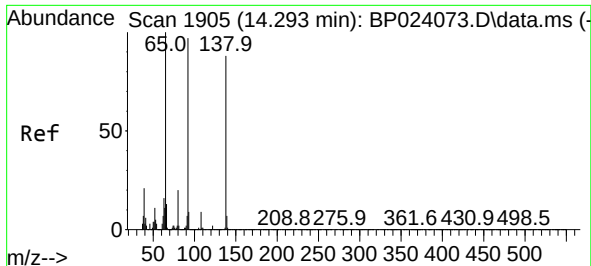
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#52
Acenaphthene
Concen: 46.459 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

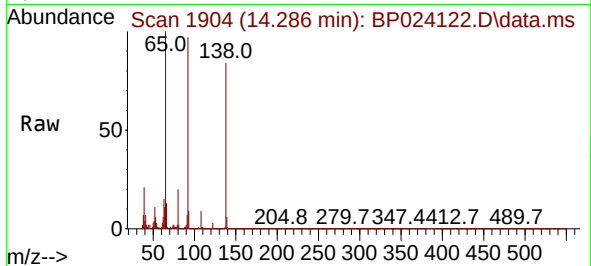
Tgt Ion:154 Resp: 1778611
Ion Ratio Lower Upper
154 100
153 112.2 90.6 135.8
152 53.9 43.6 65.4





#53
3-Nitroaniline
Concen: 24.685 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

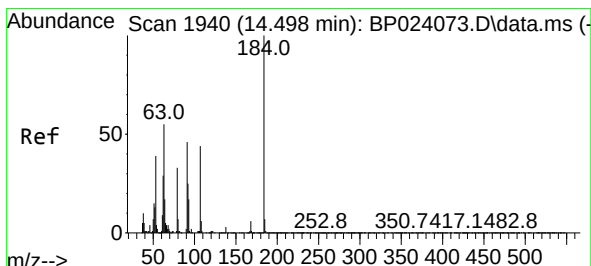
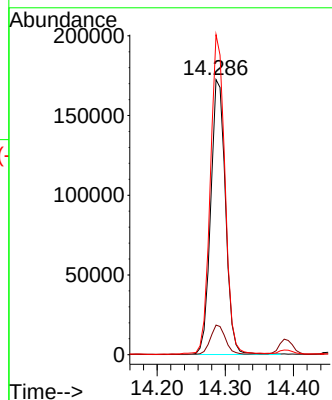
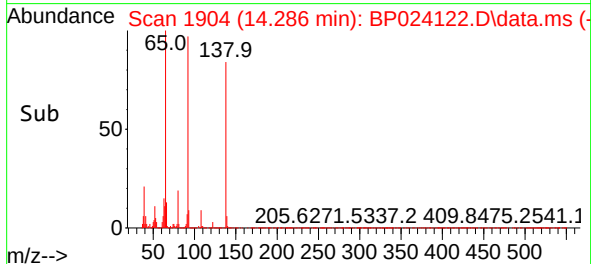
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:138 Resp: 259990
Ion Ratio Lower Upper
138 100
108 10.8 7.8 11.8
92 116.3 88.4 132.6

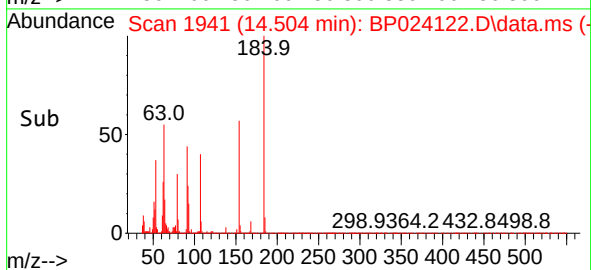
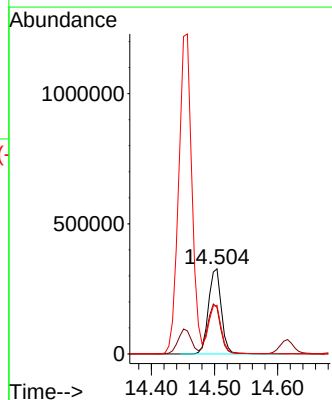
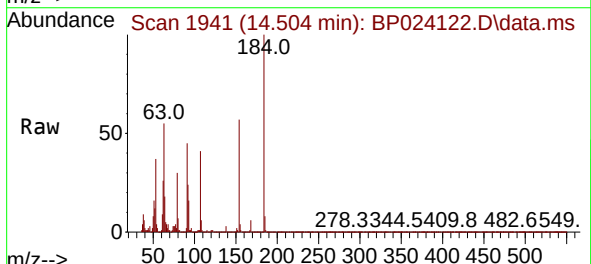
Manual Integrations
APPROVED

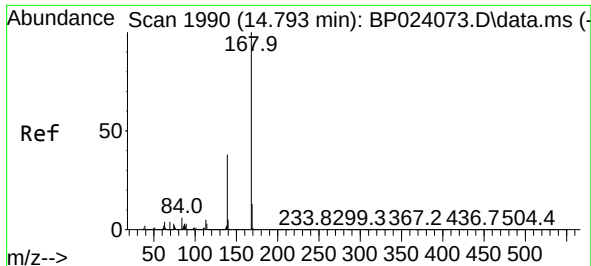
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#54
2,4-Dinitrophenol
Concen: 71.938 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

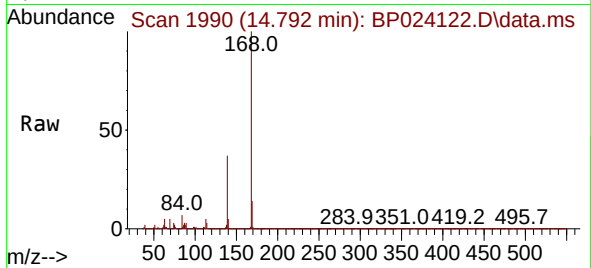
Tgt Ion:184 Resp: 462475
Ion Ratio Lower Upper
184 100
63 54.6 49.4 74.0
154 57.2 49.2 73.8





#55
Dibenzofuran
Concen: 44.904 ng
RT: 14.792 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

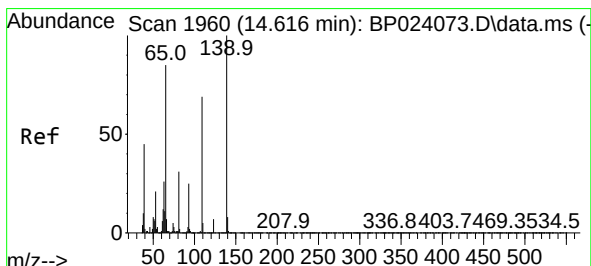
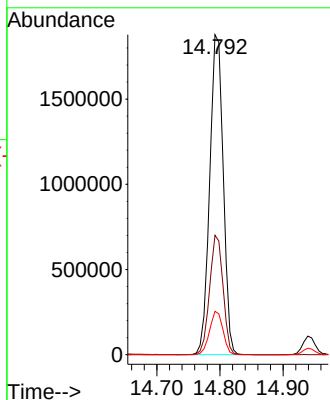
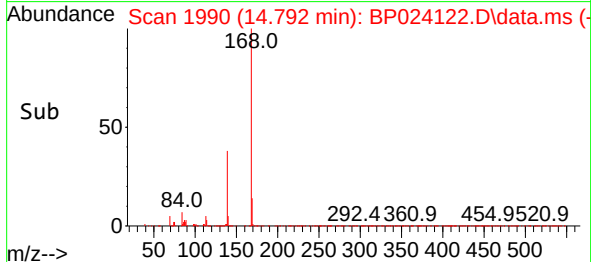
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:168 Resp: 2792620
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.2
169 13.6 10.7 16.1

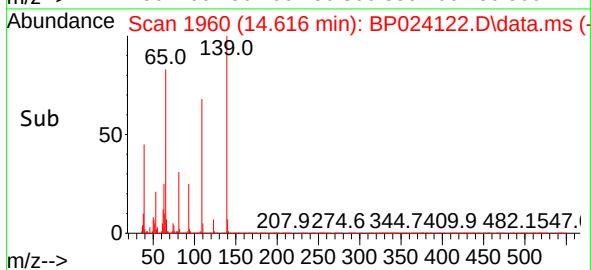
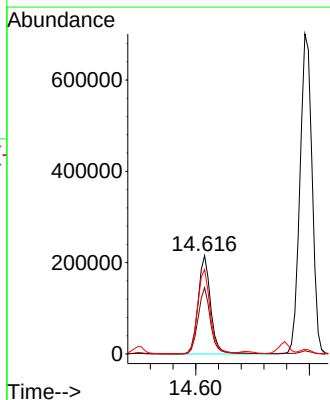
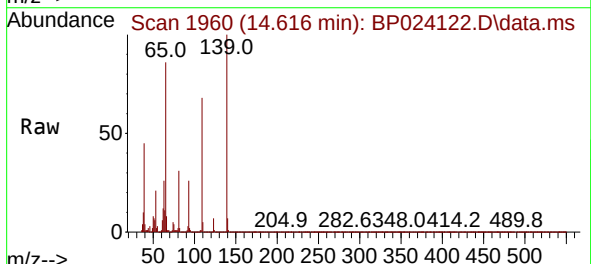
Manual Integrations
APPROVED

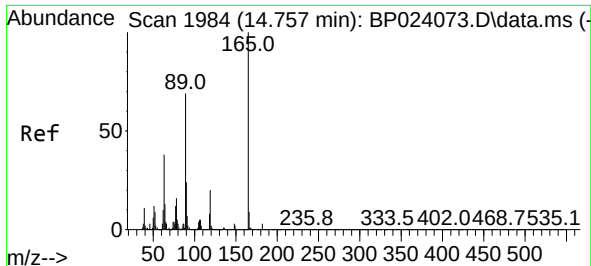
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#56
4-Nitrophenol
Concen: 36.194 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

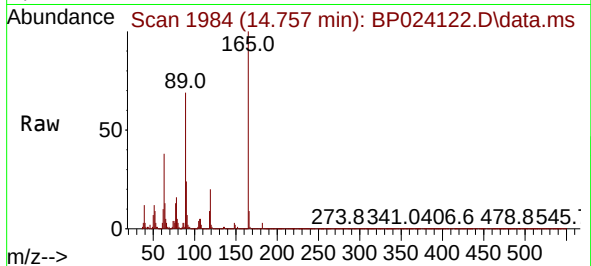
Tgt Ion:139 Resp: 329289
Ion Ratio Lower Upper
139 100
109 67.6 49.2 89.2
65 86.1 65.4 105.4





#57
2,4-Dinitrotoluene
Concen: 55.288 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

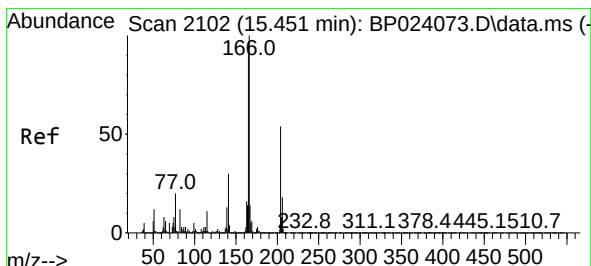
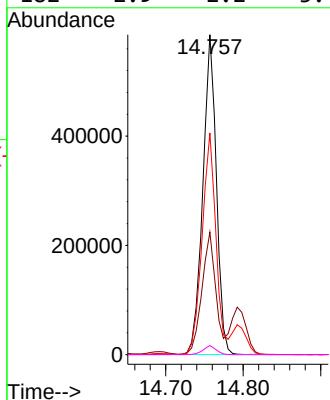
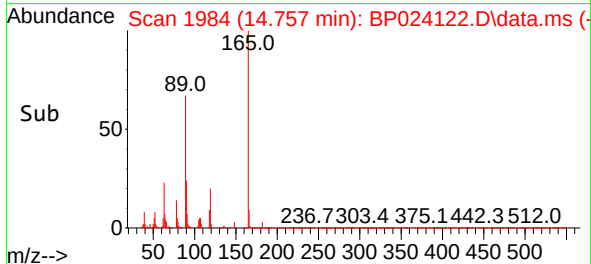
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:165 Resp: 708890
Ion Ratio Lower Upper
165 100
63 38.3 30.4 45.6
89 69.3 54.8 82.2
182 2.9 2.2 3.4

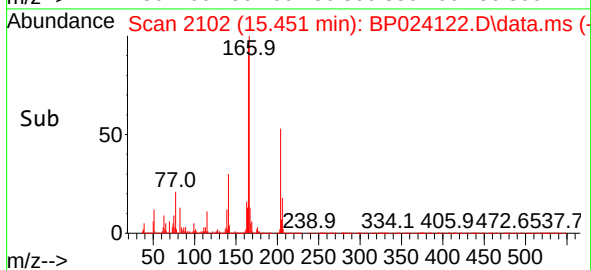
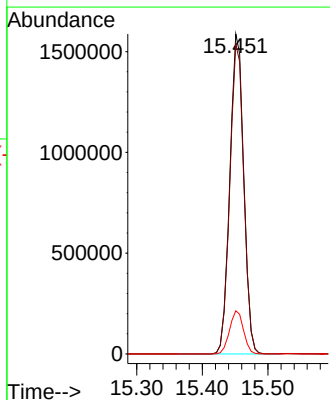
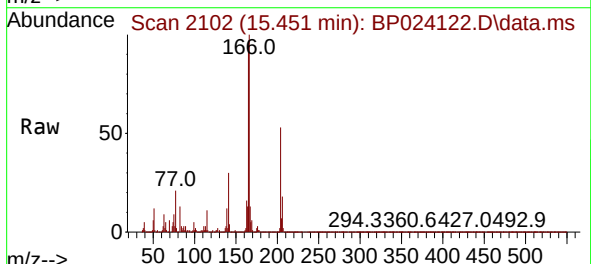
Manual Integrations
APPROVED

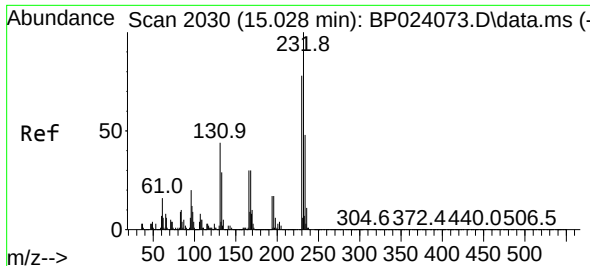
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#58
Fluorene
Concen: 48.237 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:166 Resp: 2342849
Ion Ratio Lower Upper
166 100
165 96.8 77.5 116.3
167 13.5 10.9 16.3





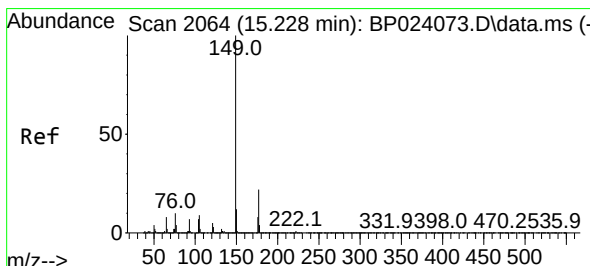
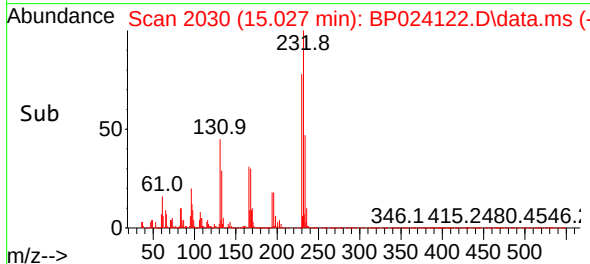
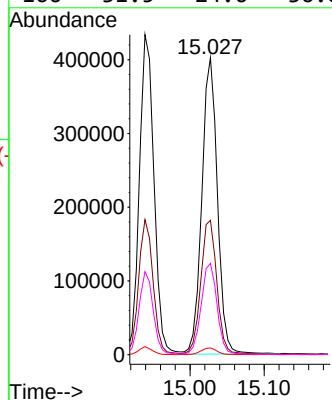
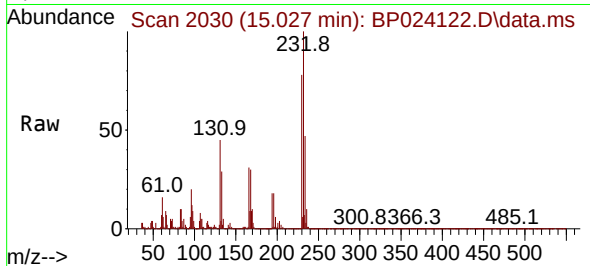
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.073 ng
RT: 15.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:232 Resp: 587124
Ion Ratio Lower Upper
232 100
131 46.8 37.3 55.9
130 2.4 1.9 2.9
166 31.5 24.6 36.8

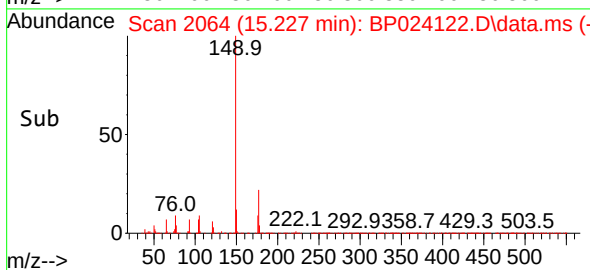
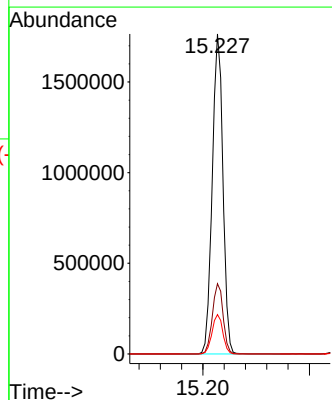
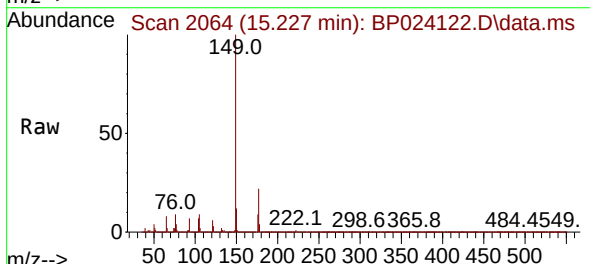
Manual Integrations
APPROVED

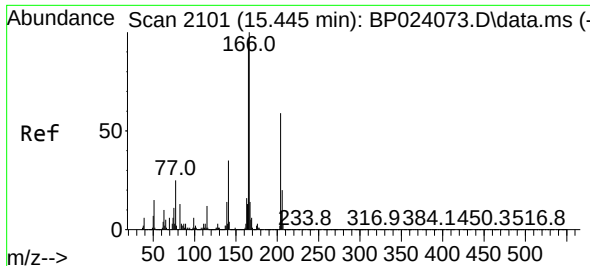
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#60
Diethylphthalate
Concen: 50.855 ng
RT: 15.227 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:149 Resp: 2446095
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.3 9.8 14.6





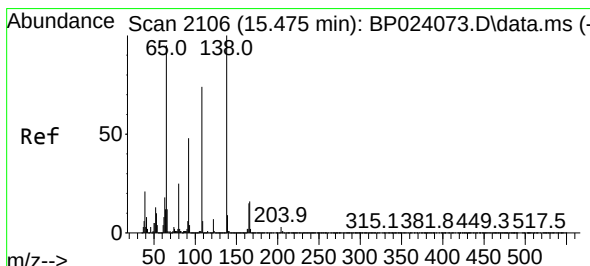
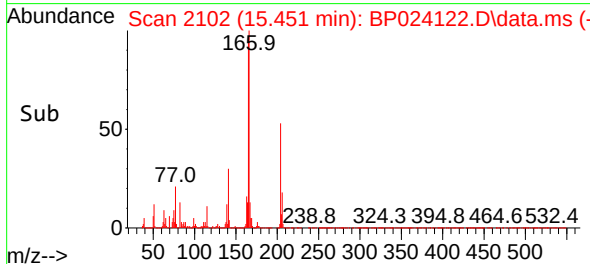
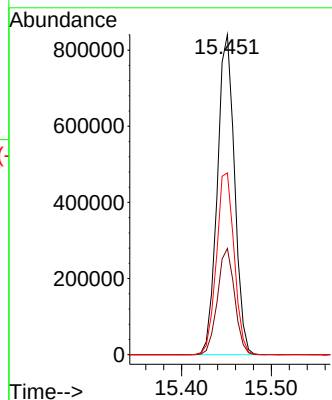
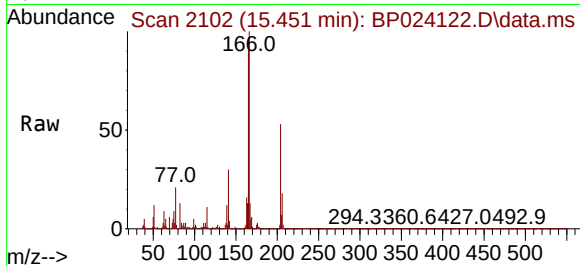
#61
4-Chlorophenyl-phenylether
Concen: 46.790 ng
RT: 15.451 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:204 Resp: 111860
Ion Ratio Lower Upper
204 100
206 33.2 26.6 39.8
141 56.8 47.8 71.6

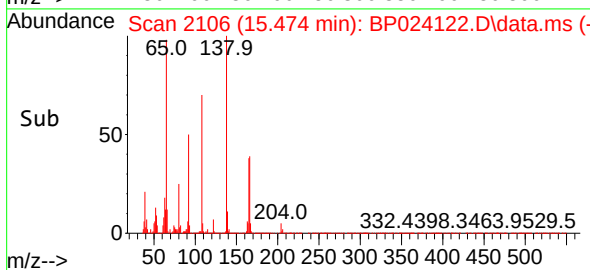
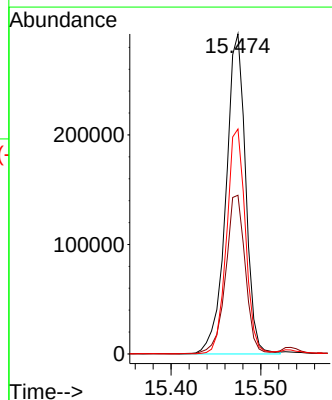
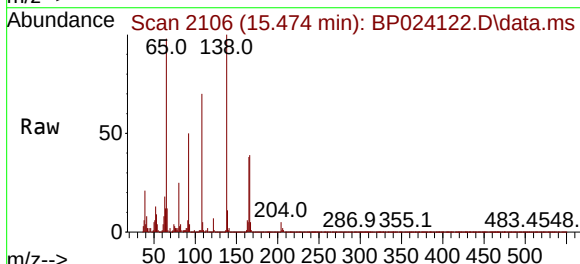
Manual Integrations
APPROVED

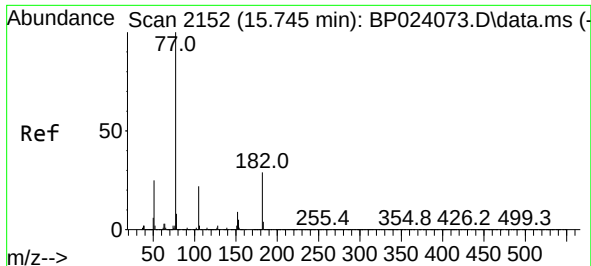
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#62
4-Nitroaniline
Concen: 36.575 ng
RT: 15.474 min Scan# 2106
Delta R.T. -0.001 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

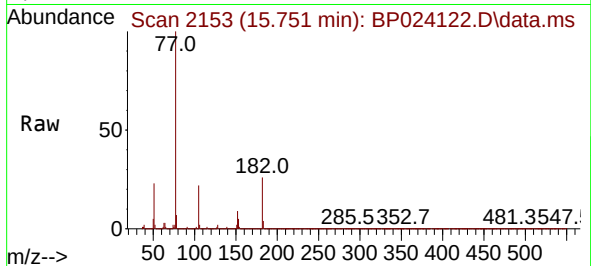
Tgt Ion:138 Resp: 445588
Ion Ratio Lower Upper
138 100
92 49.6 28.3 68.3
108 70.3 54.0 94.0





#63
Azobenzene
Concen: 50.820 ng
RT: 15.751 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

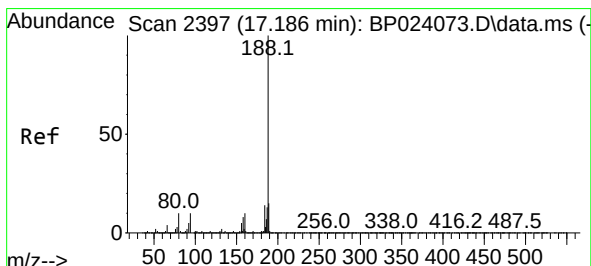
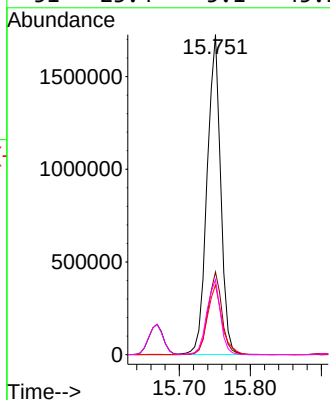
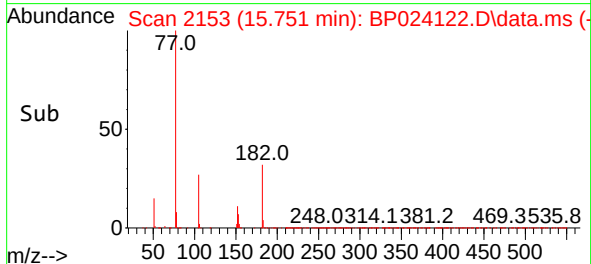
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion: 77 Resp: 229058
Ion Ratio Lower Upper
77 100
182 25.9 8.5 48.5
105 21.8 1.8 41.8
51 23.4 5.1 45.1

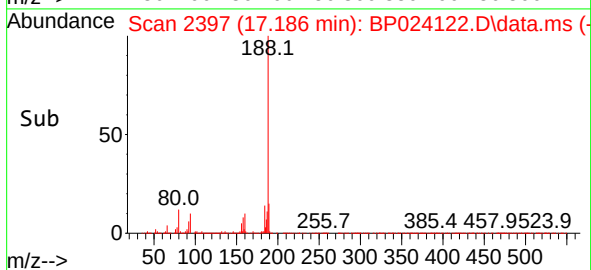
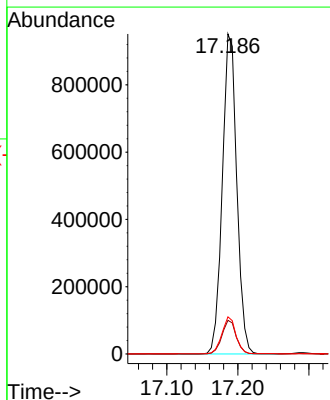
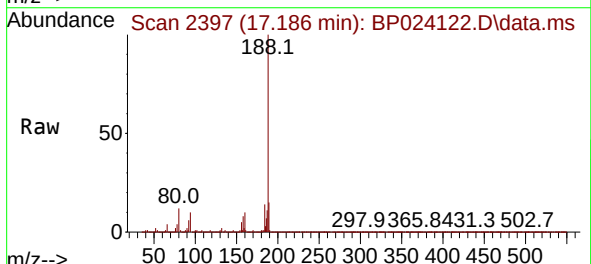
Manual Integrations
APPROVED

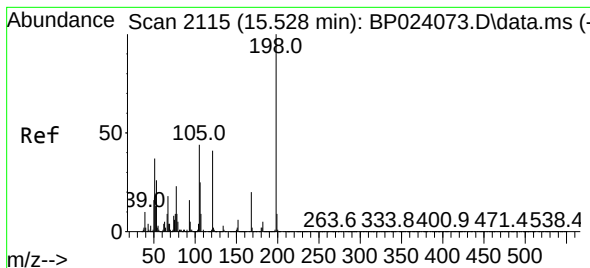
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:188 Resp: 1334599
Ion Ratio Lower Upper
188 100
94 10.5 7.6 11.4
80 11.6 8.2 12.2





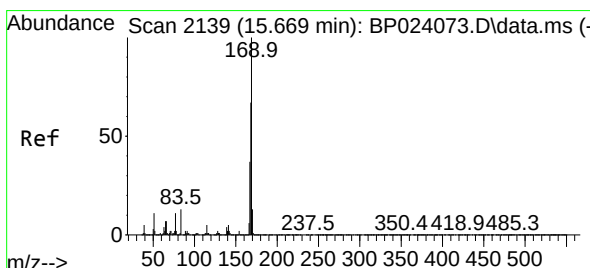
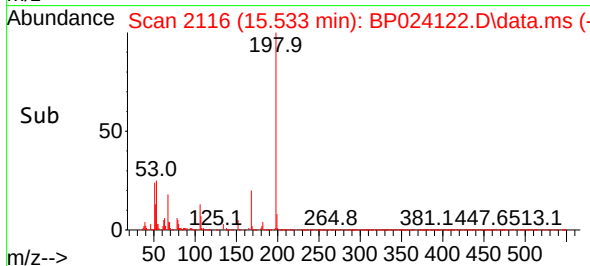
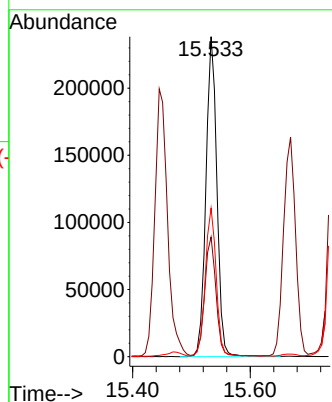
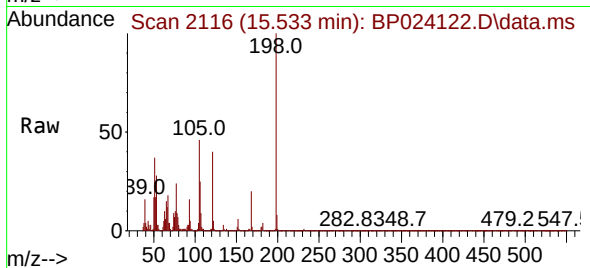
#65
4,6-Dinitro-2-methylphenol
Concen: 37.465 ng
RT: 15.533 min Scan# 2116
Delta R.T. 0.005 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Tgt Ion:198 Resp: 30826
Ion Ratio Lower Upper
198 100
51 37.4 18.7 58.7
105 46.4 24.7 64.7

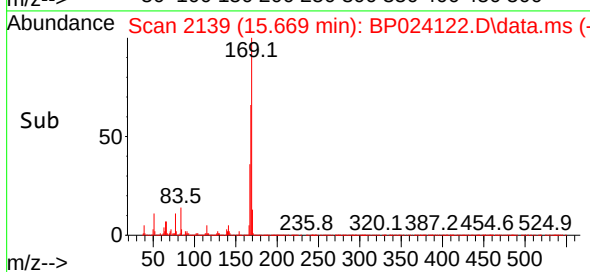
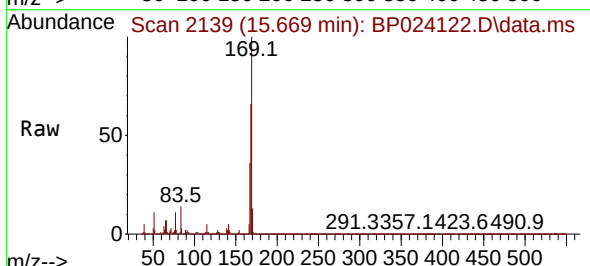
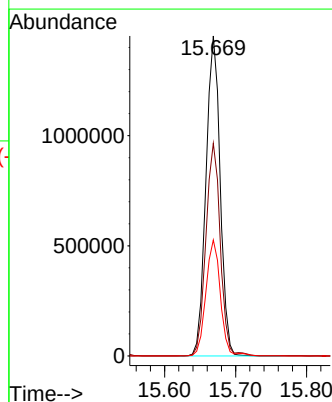
Manual Integrations
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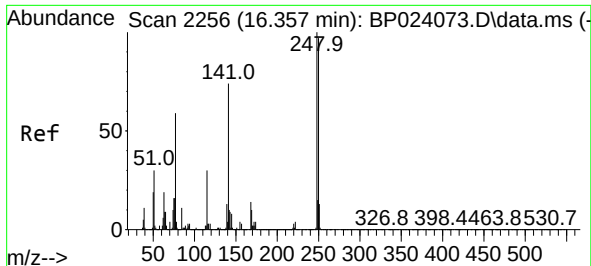
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#66
n-Nitrosodiphenylamine
Concen: 48.545 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

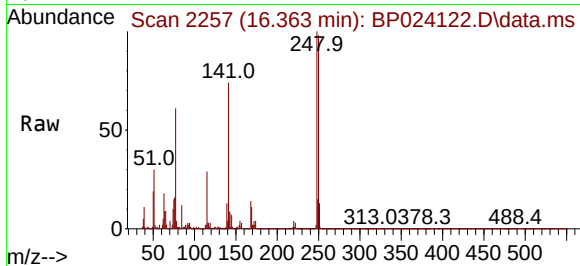
Tgt Ion:169 Resp: 2020413
Ion Ratio Lower Upper
169 100
168 66.5 53.6 80.4
167 36.3 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 45.984 ng
RT: 16.363 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

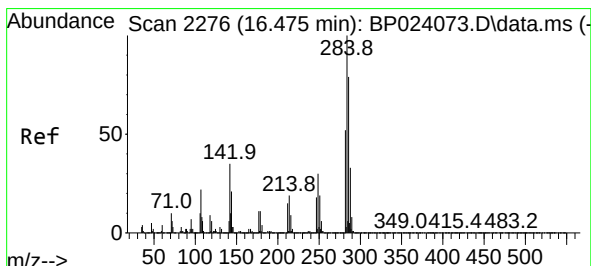
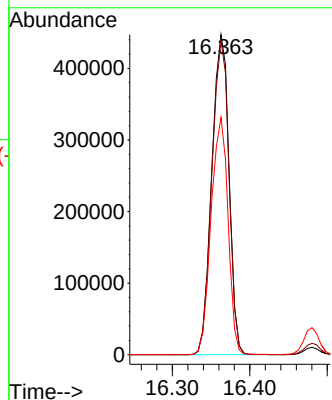
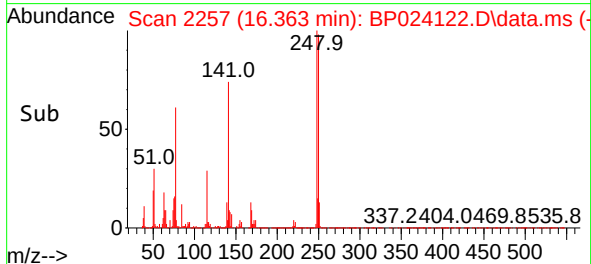
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:248 Resp: 689150
Ion Ratio Lower Upper
248 100
250 98.1 77.9 116.9
141 74.2 58.8 88.2

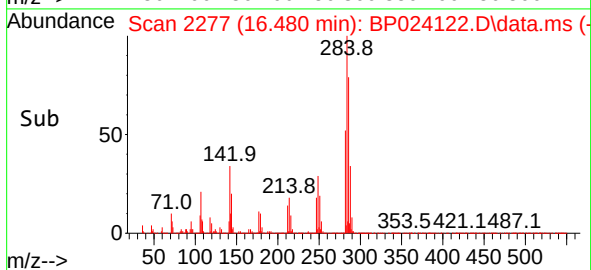
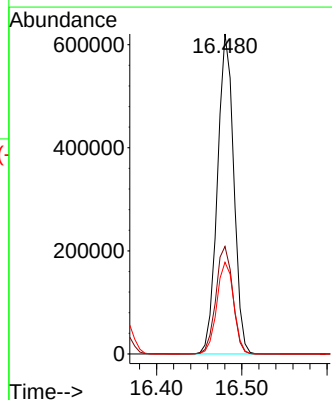
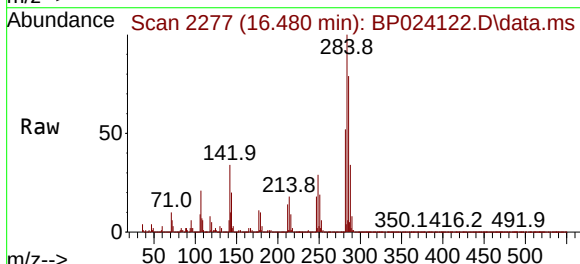
Manual Integrations
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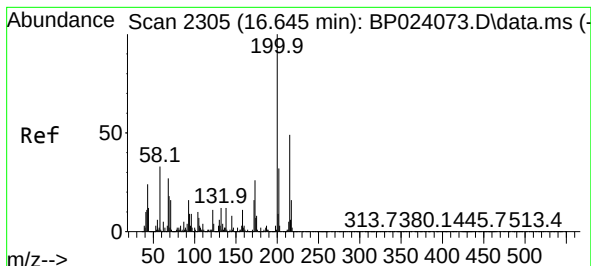
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#68
Hexachlorobenzene
Concen: 46.803 ng
RT: 16.480 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:284 Resp: 825350
Ion Ratio Lower Upper
284 100
142 33.6 27.7 41.5
249 28.6 23.8 35.6





#69

Atrazine

Concen: 72.687 ng

RT: 16.645 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

Instrument :

BNA_P

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:200 Resp: 776349

Ion Ratio Lower Upper

200 100

173 27.4 5.7 45.7

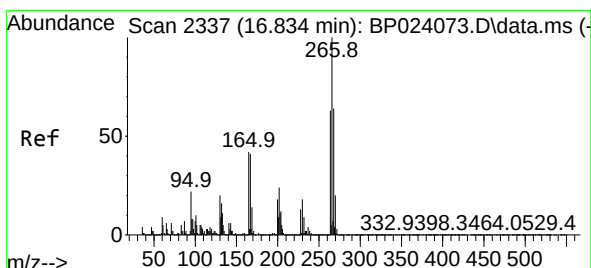
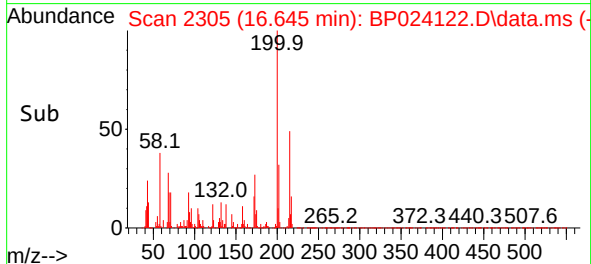
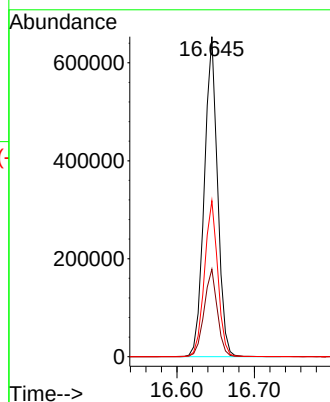
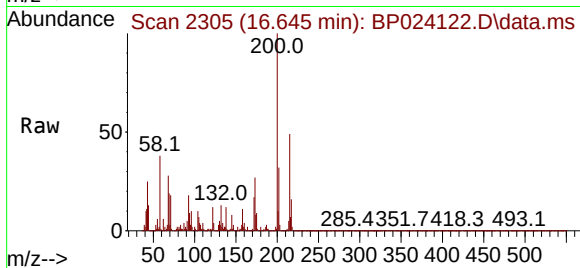
215 48.8 28.7 68.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#70

Pentachlorophenol

Concen: 95.136 ng

RT: 16.833 min Scan# 2337

Delta R.T. -0.001 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

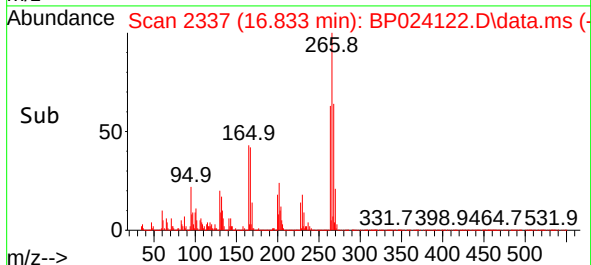
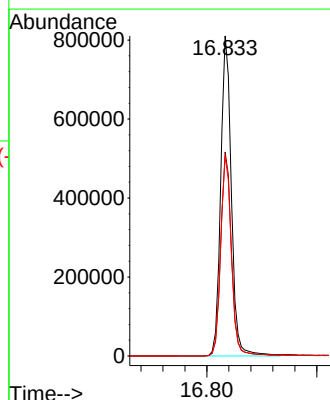
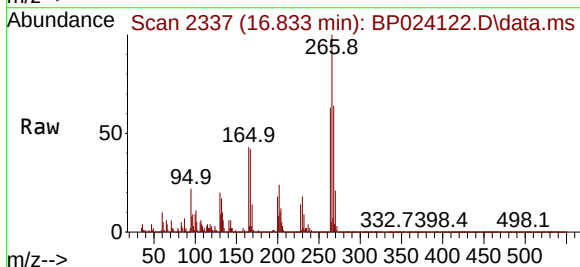
Tgt Ion:266 Resp: 1089645

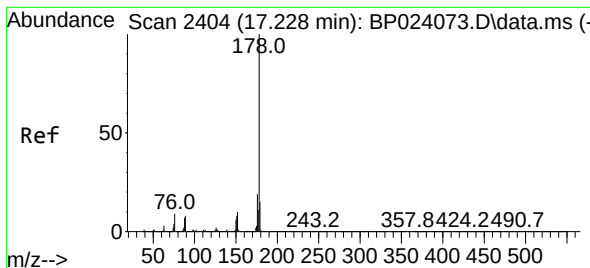
Ion Ratio Lower Upper

266 100

268 63.7 51.3 76.9

264 62.6 50.5 75.7





#71

Phenanthrene

Concen: 47.422 ng

RT: 17.233 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

Instrument :

BNP_P

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:178 Resp: 356820

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

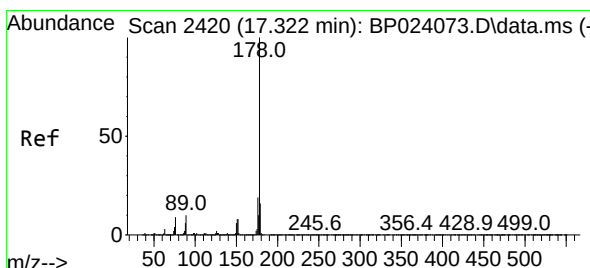
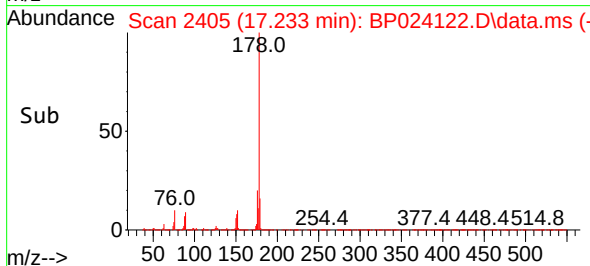
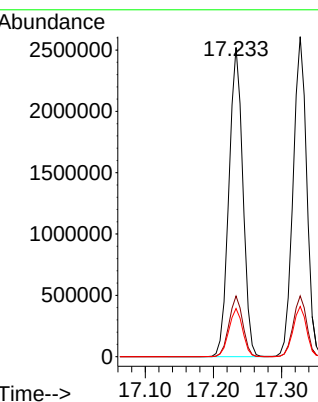
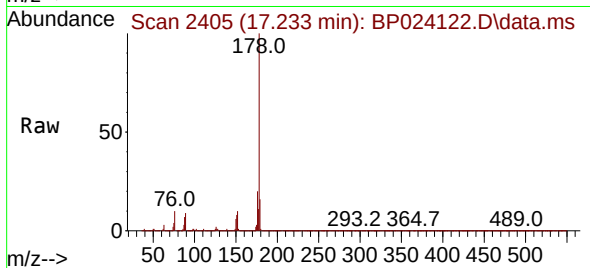
179 15.6 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#72

Anthracene

Concen: 50.310 ng

RT: 17.327 min Scan# 2421

Delta R.T. 0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

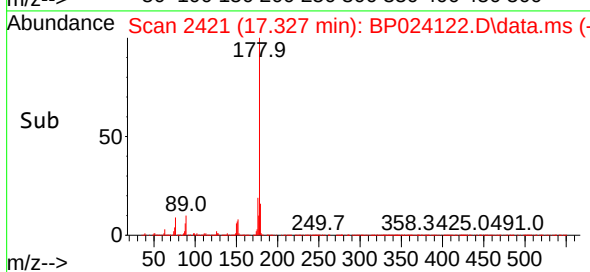
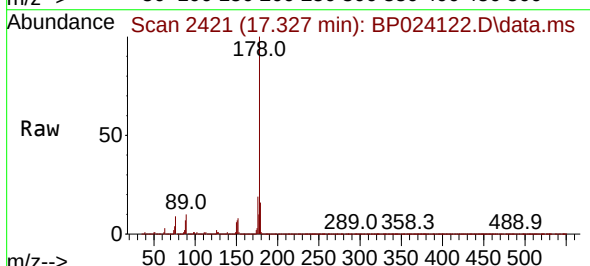
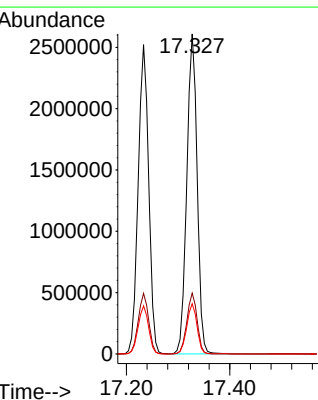
Tgt Ion:178 Resp: 3627588

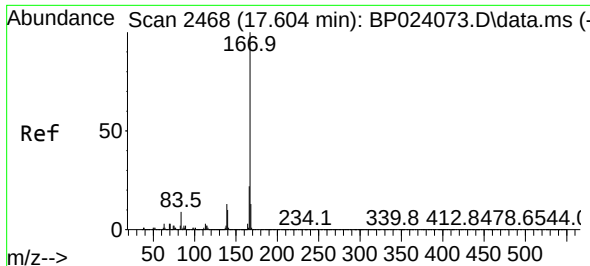
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

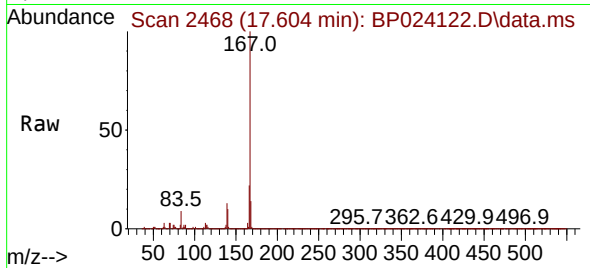
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 50.146 ng
 RT: 17.604 min Scan# 2468
 Delta R.T. -0.000 min
 Lab File: BP024122.D
 Acq: 27 Feb 2025 15:49

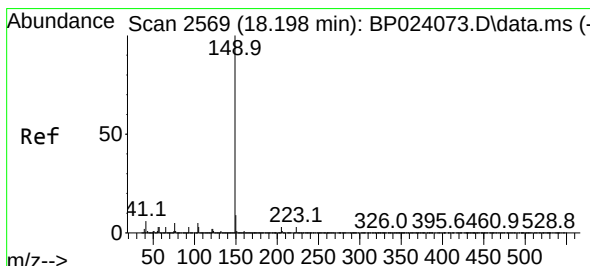
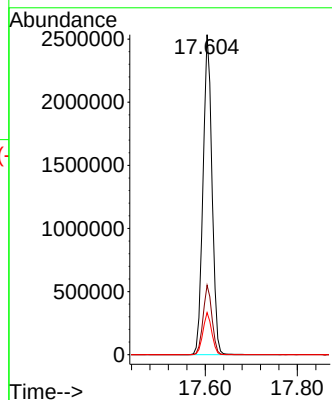
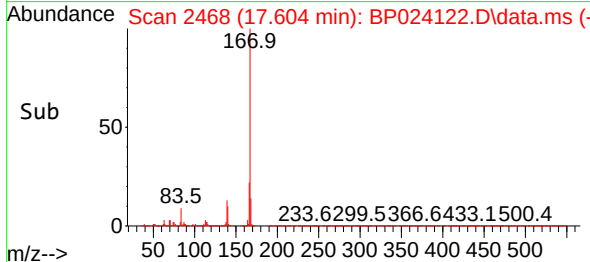
Instrument :
 BNA_P
 ClientSampleId :
 P001-CLAY-CF01-01MSD



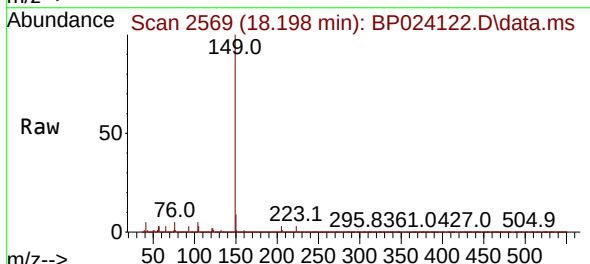
Tgt Ion:167 Resp: 344500
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.3 25.9
 139 13.2 10.3 15.5

Manual Integrations
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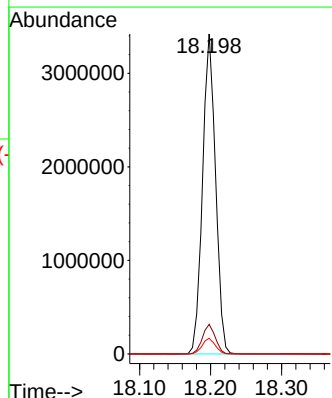
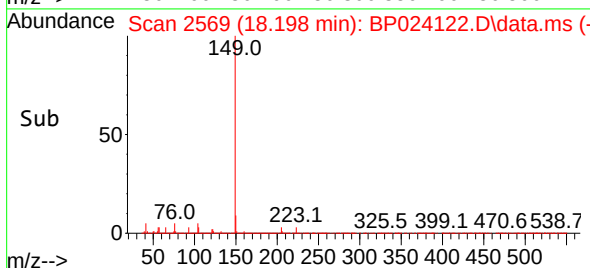
Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025

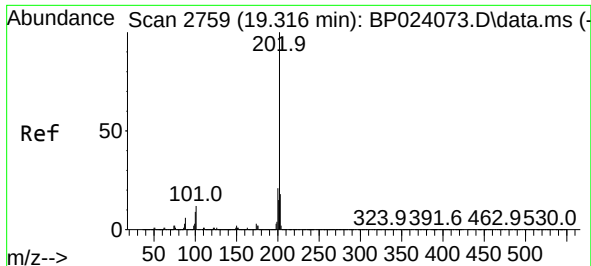


#74
 Di-n-butylphthalate
 Concen: 54.360 ng
 RT: 18.198 min Scan# 2569
 Delta R.T. -0.000 min
 Lab File: BP024122.D
 Acq: 27 Feb 2025 15:49



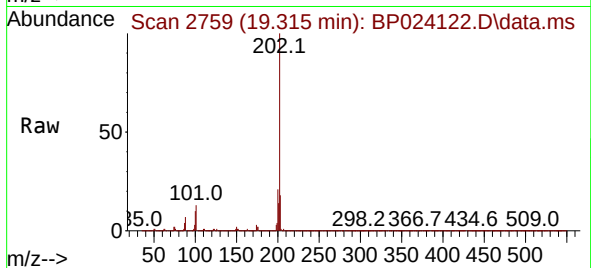
Tgt Ion:149 Resp: 4357526
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.9 4.2 6.2





#75
Fluoranthene
Concen: 48.593 ng
RT: 19.315 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

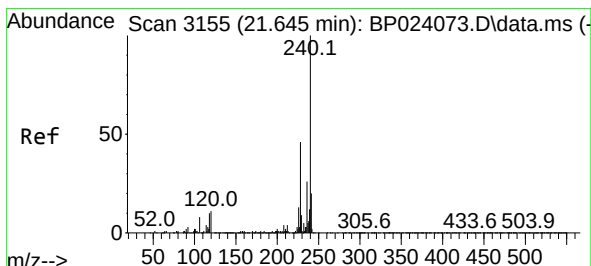
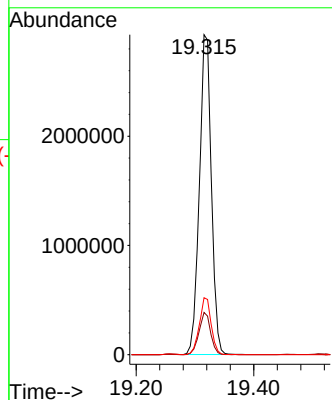
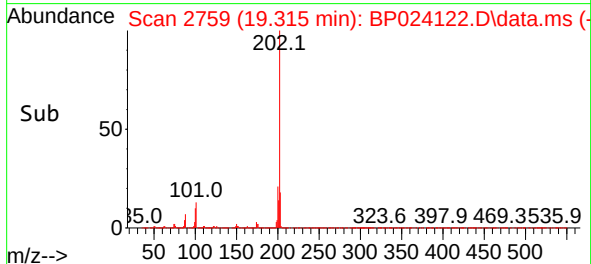
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:202 Resp: 413551
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.9
203 17.8 0.0 37.7

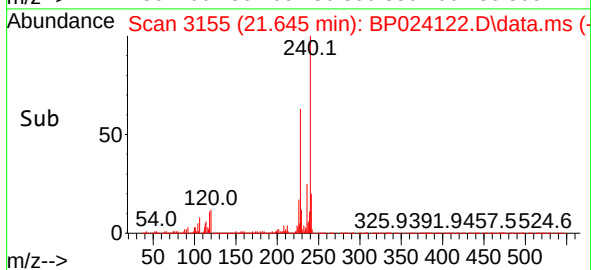
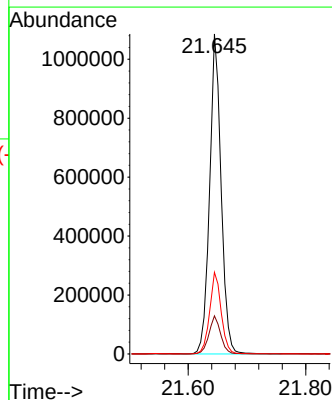
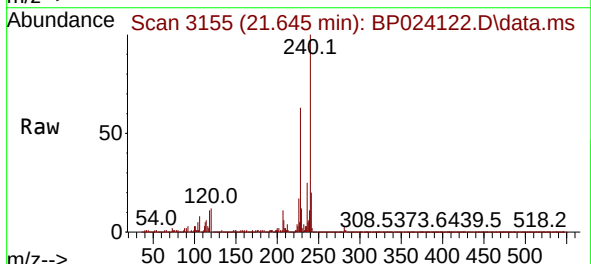
Manual Integrations
APPROVED

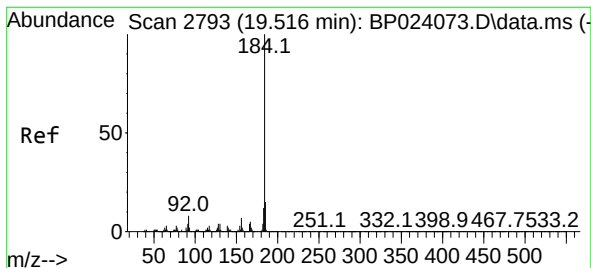
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:240 Resp: 1469324
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.5 20.7 31.1





#77

Benzidine

Concen: 83.524 ng

RT: 19.515 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

Instrument :

BNA_P

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:184 Resp: 149546

Ion Ratio Lower Upper

184 100

185 14.9 11.8 17.8

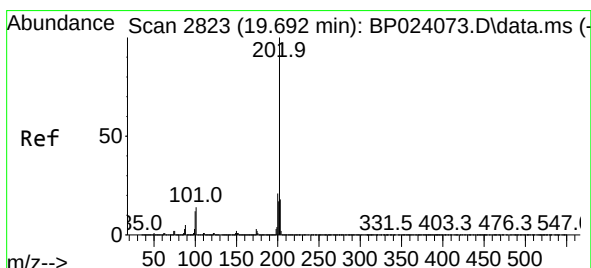
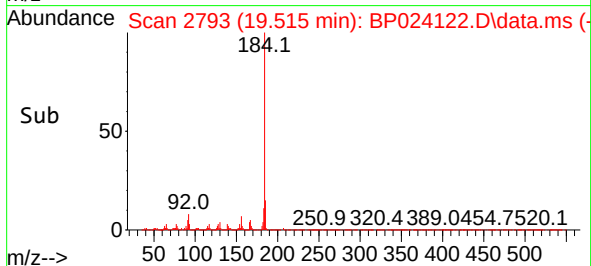
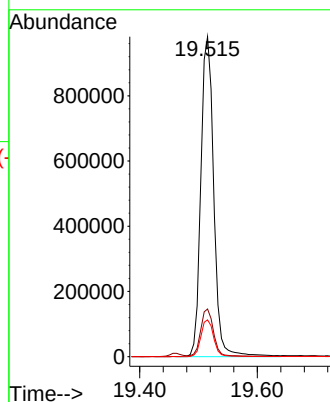
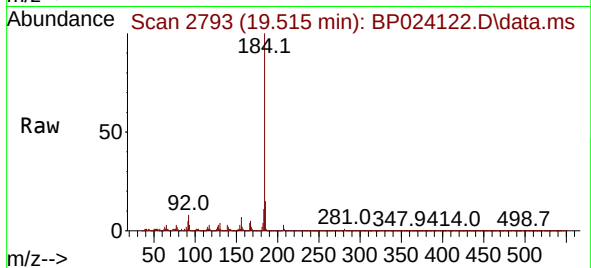
183 11.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#78

Pyrene

Concen: 46.973 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

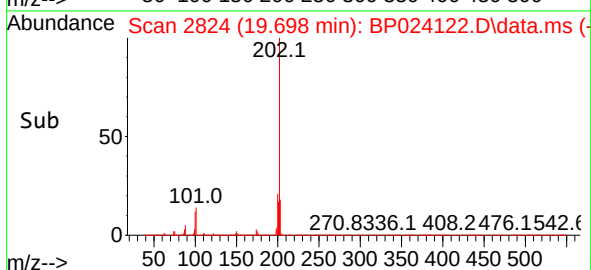
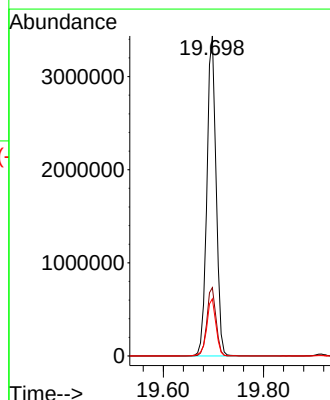
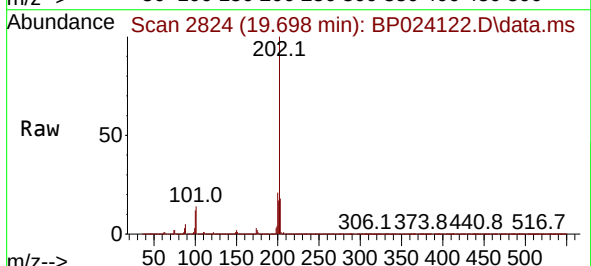
Tgt Ion:202 Resp: 4384010

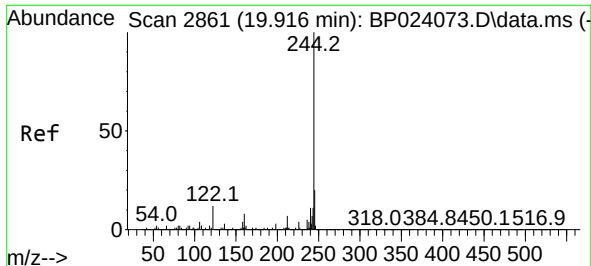
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

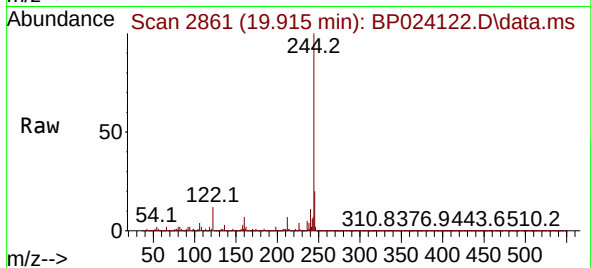
203 17.8 14.4 21.6





#79
 Terphenyl-d14
 Concen: 101.860 ng
 RT: 19.915 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: BP024122.D
 Acq: 27 Feb 2025 15:49

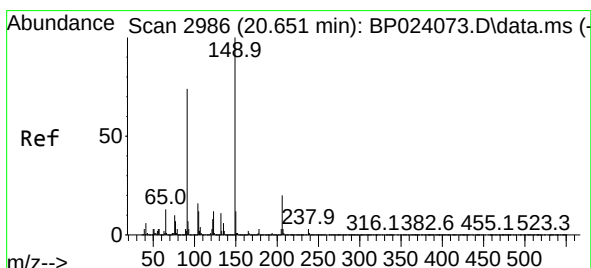
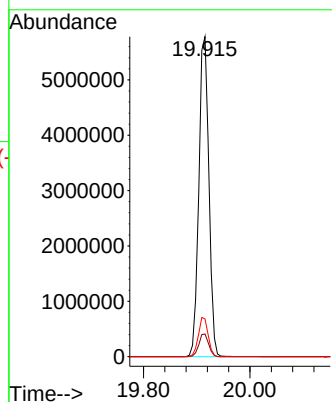
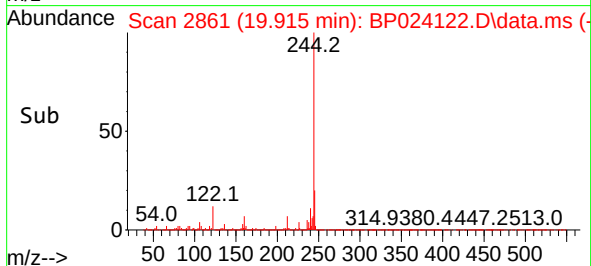
Instrument :
 BNA_P
 ClientSampleId :
 P001-CLAY-CF01-01MSD



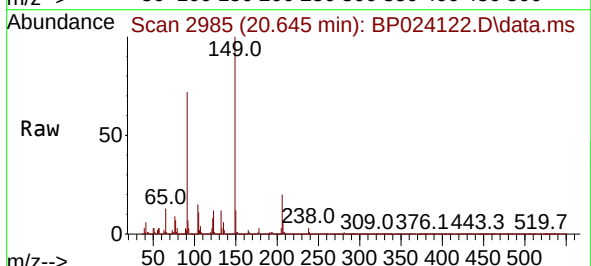
Tgt Ion:244 Resp: 756364
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 11.8 9.4 14.2

Manual Integrations
 APPROVED

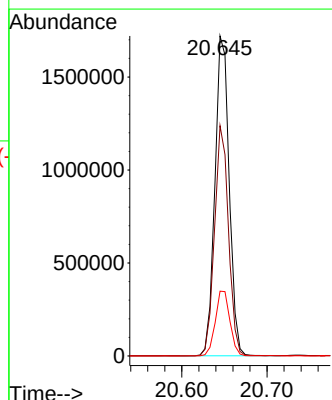
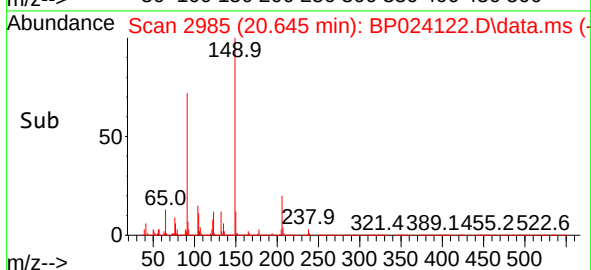
Reviewed By :Yogesh Patel 02/28/2025
 Supervised By :mohammad ahmed 02/28/2025

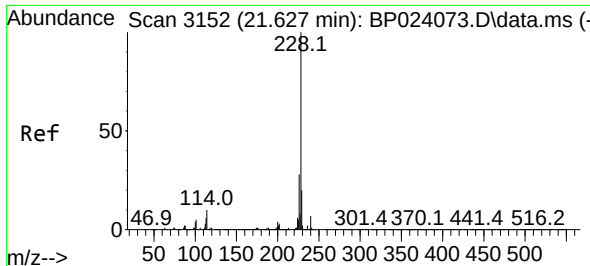


#80
 Butylbenzylphthalate
 Concen: 55.879 ng
 RT: 20.645 min Scan# 2985
 Delta R.T. -0.006 min
 Lab File: BP024122.D
 Acq: 27 Feb 2025 15:49



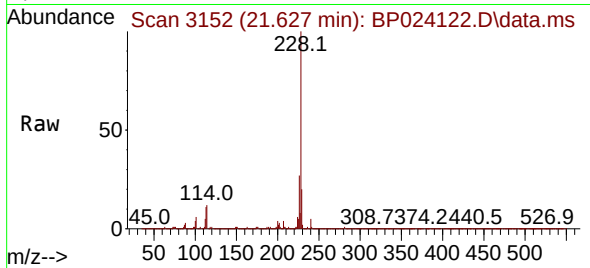
Tgt Ion:149 Resp: 1998428
 Ion Ratio Lower Upper
 149 100
 91 71.9 59.4 89.0
 206 20.3 16.2 24.2





#81
Benzo(a)anthracene
Concen: 50.020 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

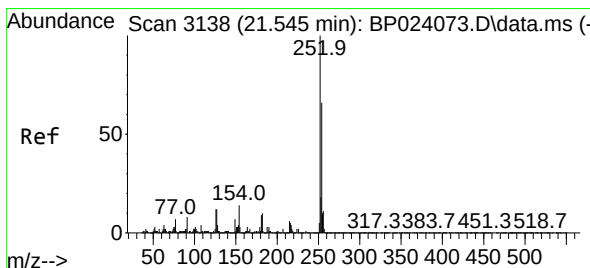
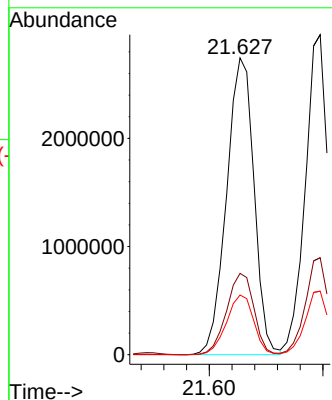
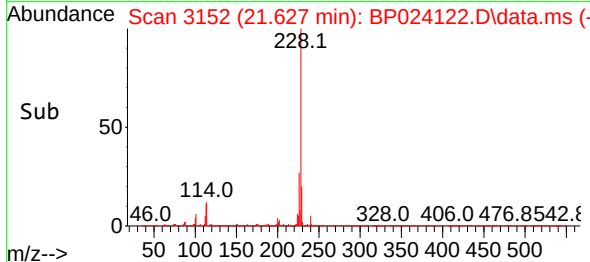
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:228 Resp: 460851
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 20.1 15.8 23.8

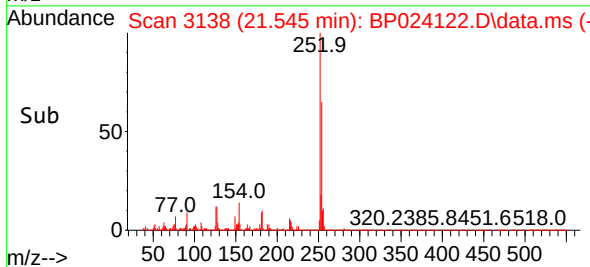
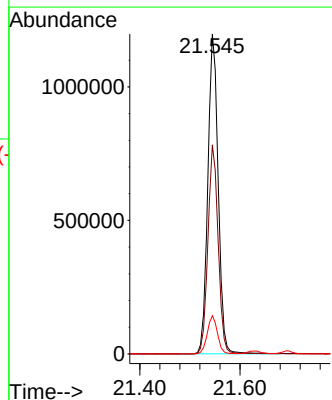
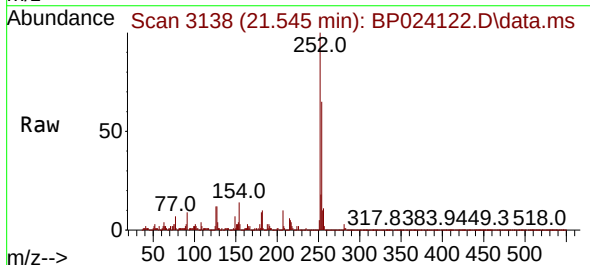
Manual Integrations
APPROVED

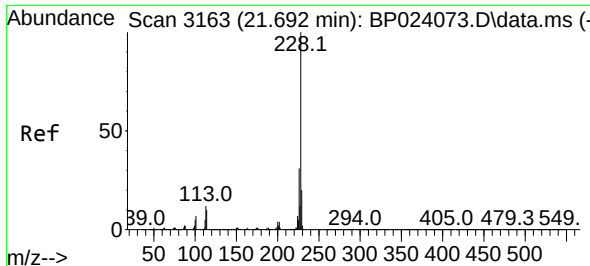
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#82
3,3'-Dichlorobenzidine
Concen: 59.819 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

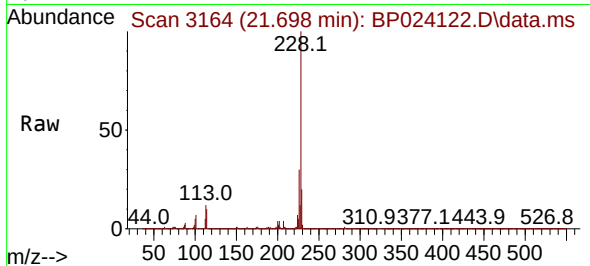
Tgt Ion:252 Resp: 1722208
Ion Ratio Lower Upper
252 100
254 65.4 52.4 78.6
126 12.0 9.6 14.4





#83
Chrysene
Concen: 47.839 ng
RT: 21.698 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

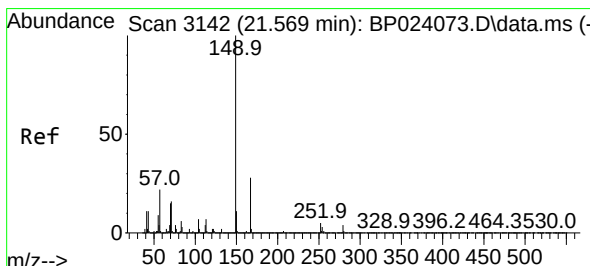
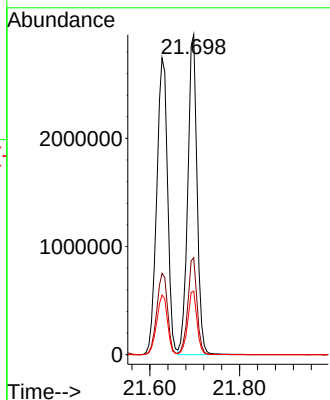
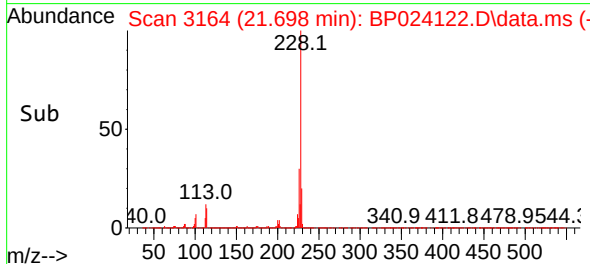
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



Tgt Ion:228 Resp: 425011
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 19.9 16.1 24.1

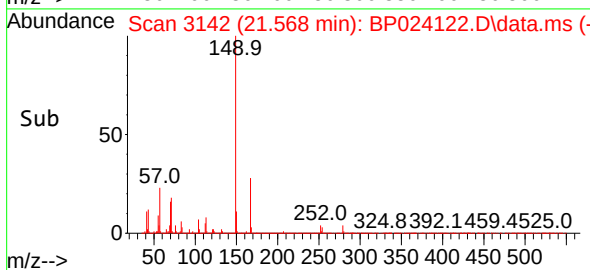
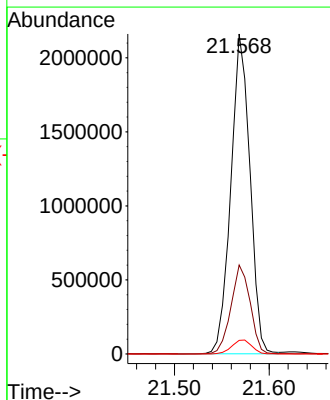
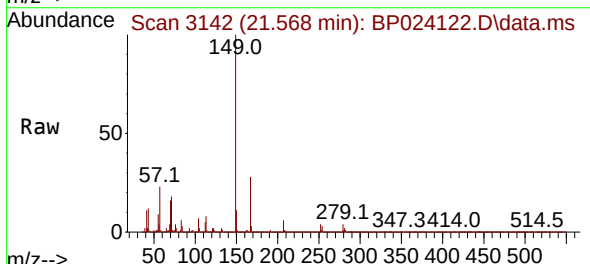
Manual Integrations
APPROVED

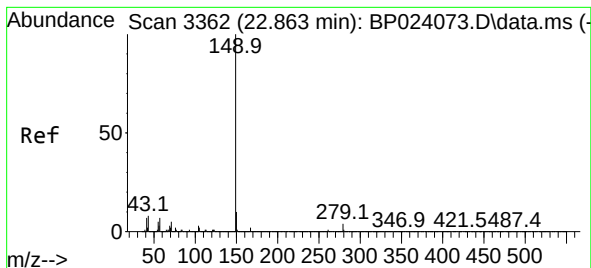
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 55.734 ng
RT: 21.568 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

Tgt Ion:149 Resp: 3022621
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.2
279 4.2 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 58.444 ng

RT: 22.868 min Scan# 31

Delta R.T. 0.005 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

Instrument :

BNA_P

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:149 Resp: 506637

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

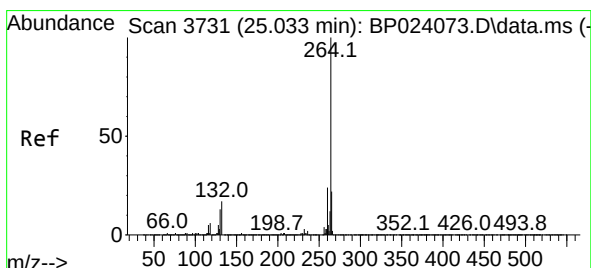
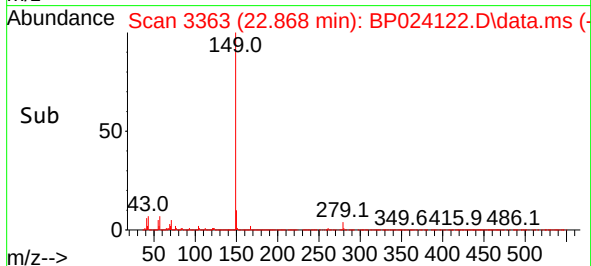
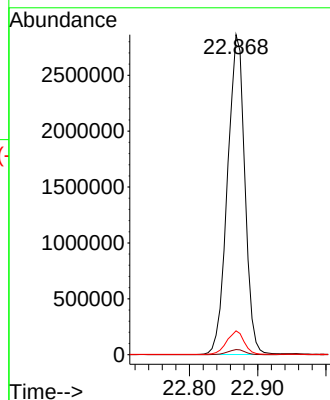
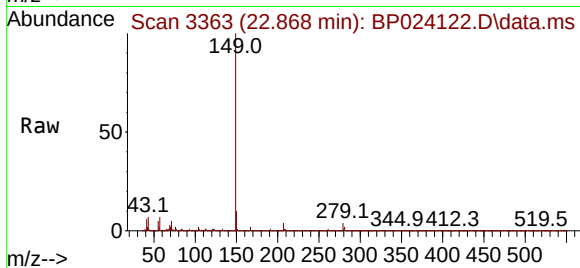
43 7.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.039 min Scan# 3732

Delta R.T. 0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

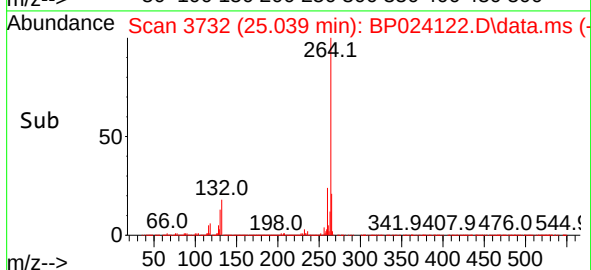
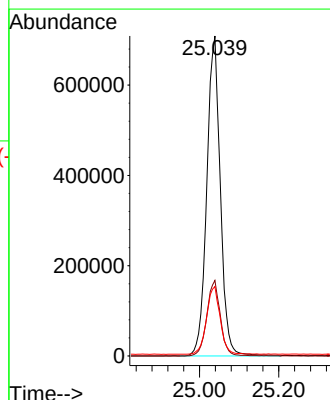
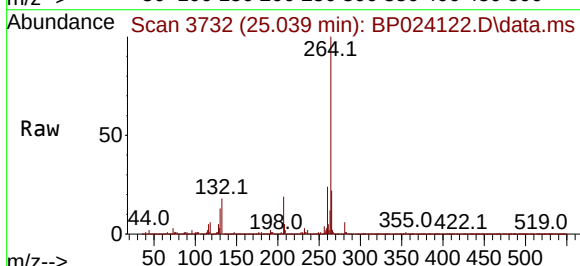
Tgt Ion:264 Resp: 1682191

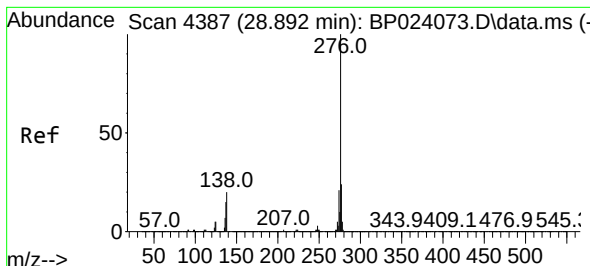
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.850 ng m

RT: 28.886 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

Instrument :

BNA_P

ClientSampleId :

P001-CLAY-CF01-01MSD

Tgt Ion:276 Resp: 632468

Ion Ratio Lower Upper

276 100

138 17.7 14.2 21.4

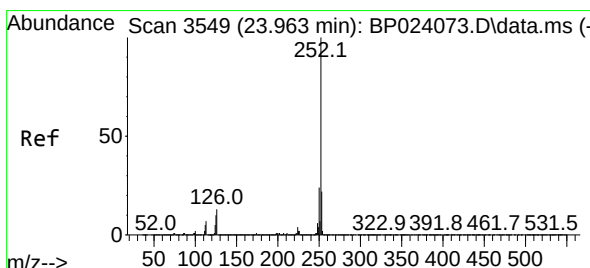
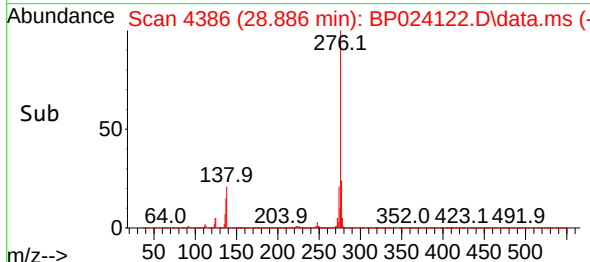
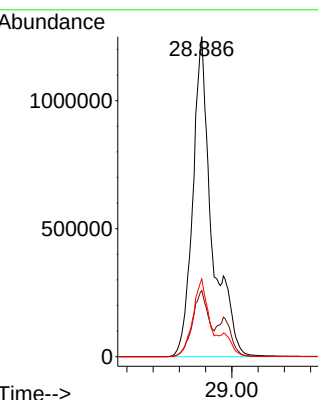
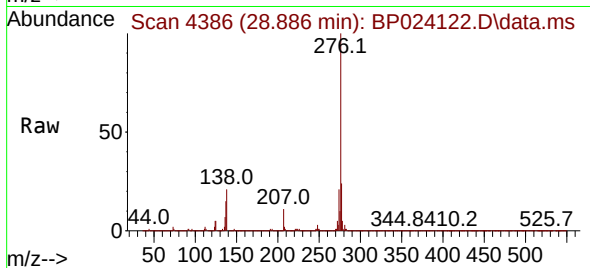
277 20.8 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/28/2025

Supervised By :mohammad ahmed 02/28/2025



#88

Benzo(b)fluoranthene

Concen: 45.480 ng

RT: 23.951 min Scan# 3547

Delta R.T. -0.012 min

Lab File: BP024122.D

Acq: 27 Feb 2025 15:49

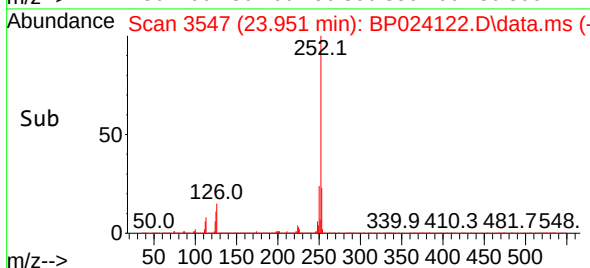
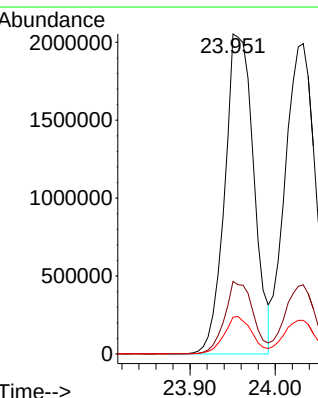
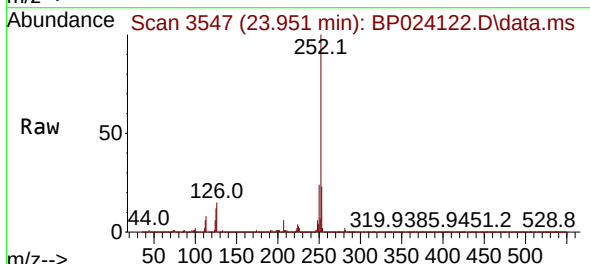
Tgt Ion:252 Resp: 4858290

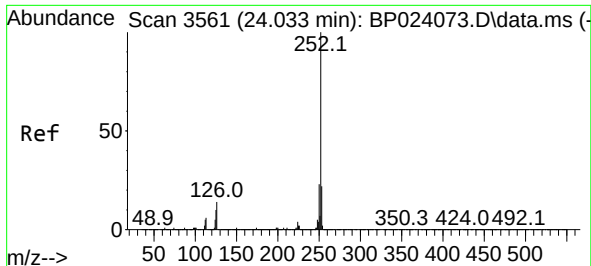
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

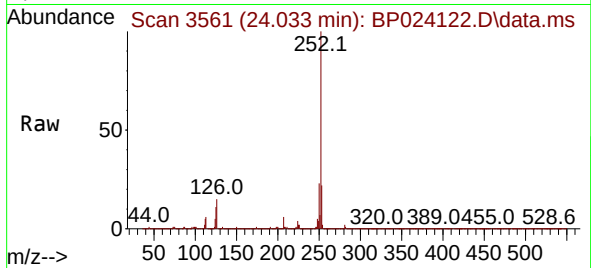
125 11.5 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 47.707 ng
RT: 24.033 min Scan# 3561
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

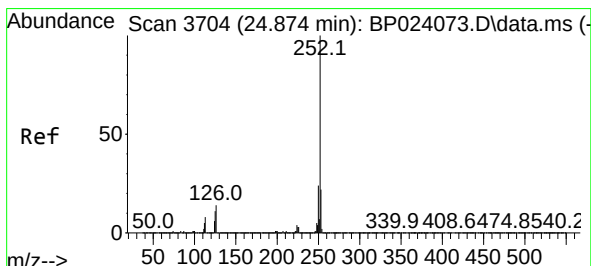
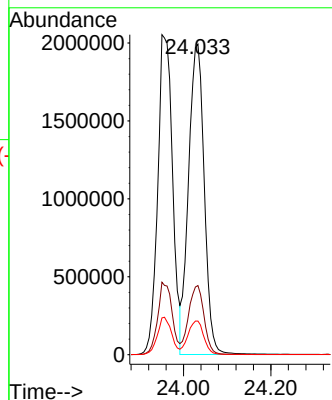
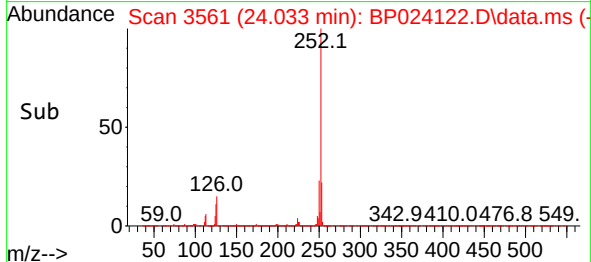
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



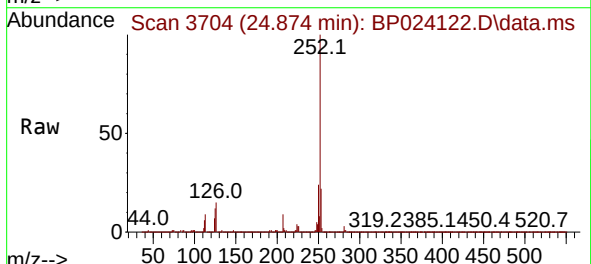
Tgt Ion:252 Resp: 496046
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 10.8 8.1 12.1

Manual Integrations
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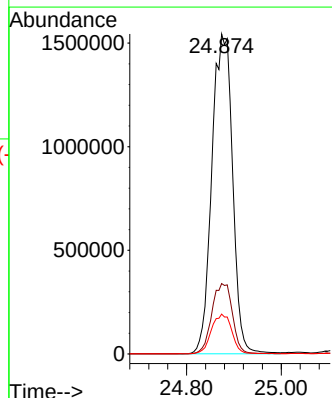
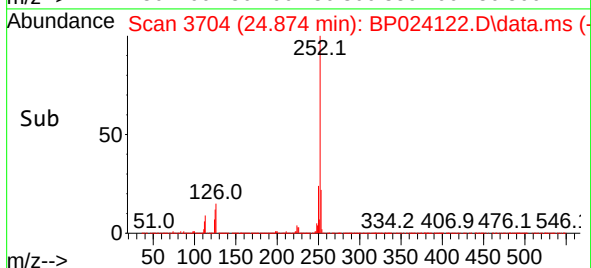
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

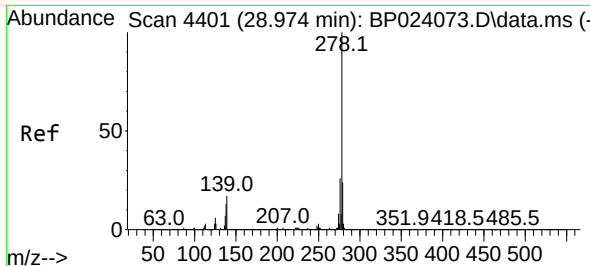


#90
Benzo(a)pyrene
Concen: 51.792 ng
RT: 24.874 min Scan# 3704
Delta R.T. -0.000 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



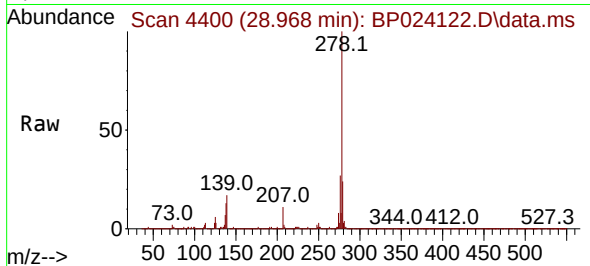
Tgt Ion:252 Resp: 4695288
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 12.5 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 51.347 ng
RT: 28.968 min Scan# 4401
Delta R.T. -0.006 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49

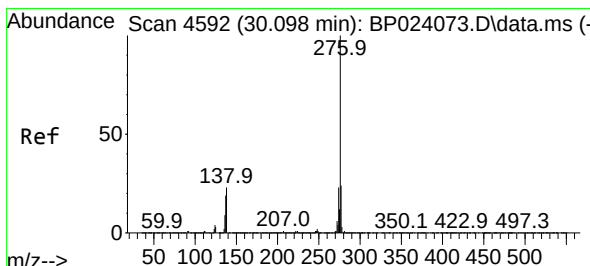
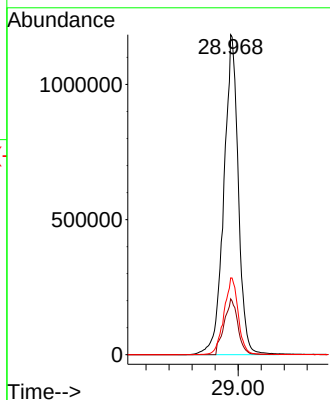
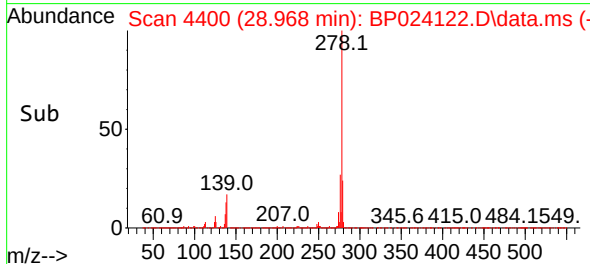
Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MSD



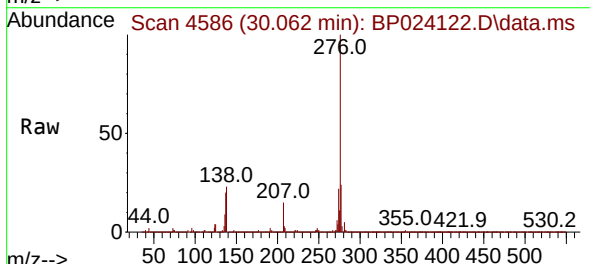
Tgt Ion:278 Resp: 5166680
Ion Ratio Lower Upper
278 100
139 17.5 13.4 20.0
279 24.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 47.899 ng
RT: 30.062 min Scan# 4586
Delta R.T. -0.036 min
Lab File: BP024122.D
Acq: 27 Feb 2025 15:49



Tgt Ion:276 Resp: 4890835
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 22.7 18.1 27.1

