

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120624\
 Data File : BF140781.D
 Acq On : 06 Dec 2024 21:36
 Operator : RC/JU
 Sample : P5112-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

Quant Time: Dec 06 23:14:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	70323	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	252197	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	122922	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	192178	20.000	ng	0.00
76) Chrysene-d12	14.063	240	146775	20.000	ng	0.01
86) Perylene-d12	15.563	264	115742	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	486379	118.008	ng	0.01
7) Phenol-d6	6.516	99	612765	112.458	ng	0.00
23) Nitrobenzene-d5	7.434	82	395330	80.180	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	141094	107.324	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	706545	85.641	ng	-0.01
79) Terphenyl-d14	12.986	244	623037	66.098	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	77624	44.794	ng	98
3) Pyridine	3.463	79	189394	49.673	ng	99
4) n-Nitrosodimethylamine	3.416	42	102375	45.685	ng	94
6) Aniline	6.540	93	110044	28.693	ng	# 38
8) 2-Chlorophenol	6.663	128	231716	52.256	ng	96
9) Benzaldehyde	6.422	77	70350	24.389	ng	98
10) Phenol	6.534	94	292293	52.527	ng	92
11) bis(2-Chloroethyl)ether	6.604	93	221094	51.922	ng	98
12) 1,3-Dichlorobenzene	6.810	146	247485	49.671	ng	99
13) 1,4-Dichlorobenzene	6.887	146	249053	49.367	ng	99
14) 1,2-Dichlorobenzene	7.040	146	238437	50.438	ng	99
15) Benzyl Alcohol	7.016	79	199328	49.329	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	262680	52.216	ng	64
17) 2-Methylphenol	7.140	107	174160	49.065	ng	93
18) Hexachloroethane	7.375	117	90832	48.206	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	165651	51.440	ng	98
20) 3+4-Methylphenols	7.293	107	238171	52.203	ng	# 67
22) Acetophenone	7.281	105	320678	52.156	ng	# 93
24) Nitrobenzene	7.457	77	246320	48.338	ng	97
25) Isophorone	7.693	82	439041	53.387	ng	99
26) 2-Nitrophenol	7.769	139	122690	54.330	ng	96
27) 2,4-Dimethylphenol	7.810	122	180377m	66.758	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	270241	53.941	ng	99
29) 2,4-Dichlorophenol	8.022	162	191124	53.382	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	203328	49.739	ng	98
31) Naphthalene	8.175	128	709621	54.627	ng	99
32) Benzoic acid	7.945	122	84518	37.752	ng	96
33) 4-Chloroaniline	8.240	127	41934	10.782	ng	99
34) Hexachlorobutadiene	8.281	225	136302	50.340	ng	99
35) Caprolactam	8.598	113	55830	50.389	ng	93
36) 4-Chloro-3-methylphenol	8.722	107	191803	47.848	ng	99
37) 2-Methylnaphthalene	8.863	142	445971	54.051	ng	100
38) 1-Methylnaphthalene	8.963	142	410655	50.776	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	205939	57.228	ng	98
41) Hexachlorocyclopentadiene	9.010	237	39924	52.151	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	123872	54.858	ng	100

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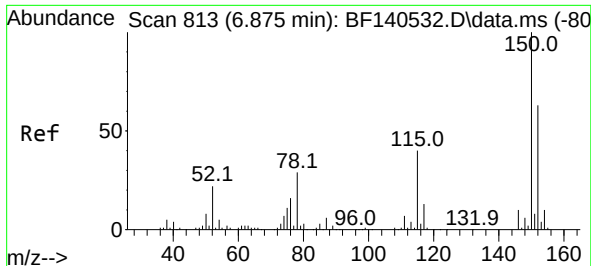
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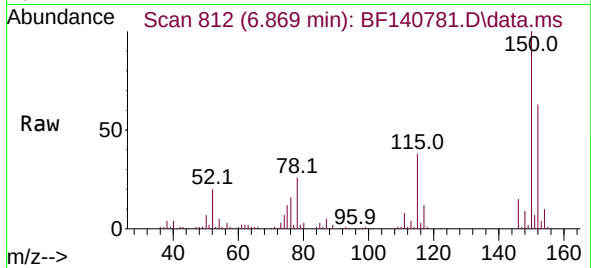
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	124620	50.852	ng	97
46) 1,1'-Biphenyl	9.328	154	521334	56.806	ng	100
47) 2-Chloronaphthalene	9.351	162	372496	53.566	ng	99
48) 2-Nitroaniline	9.457	65	114930	51.490	ng	95
49) Acenaphthylene	9.769	152	608083	57.874	ng	100
50) Dimethylphthalate	9.628	163	454648	56.160	ng	99
51) 2,6-Dinitrotoluene	9.698	165	93739	51.055	ng	91
52) Acenaphthene	9.939	154	405927	60.804	ng	98
53) 3-Nitroaniline	9.869	138	55181	30.729	ng	93
54) 2,4-Dinitrophenol	9.992	184	38548	44.398	ng	96
55) Dibenzofuran	10.116	168	568167	55.795	ng	100
56) 4-Nitrophenol	10.063	139	80067	65.378	ng	96
57) 2,4-Dinitrotoluene	10.104	165	116348	47.681	ng	94
58) Fluorene	10.457	166	466679	57.095	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	93499	49.644	ng	93
60) Diethylphthalate	10.322	149	440889	53.602	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	204367	50.948	ng	99
62) 4-Nitroaniline	10.486	138	75484	40.079	ng	95
63) Azobenzene	10.604	77	417407	53.587	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	35994	36.652	ng	97
66) n-Nitrosodiphenylamine	10.569	169	355806	62.607	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	114963	58.087	ng	97
68) Hexachlorobenzene	11.010	284	120880	52.748	ng	100
69) Atrazine	11.098	200	104256	65.209	ng	98
70) Pentachlorophenol	11.216	266	85487	84.757	ng	99
71) Phenanthrene	11.428	178	1361079	147.338	ng	100
72) Anthracene	11.480	178	725029	80.235	ng	99
73) Carbazole	11.639	167	535369	61.586	ng	99
74) Di-n-butylphthalate	11.951	149	603579	60.141	ng	100
75) Fluoranthene	12.628	202	1669940	166.496	ng	99
77) Benzidine	12.745	184	171302	40.142	ng	99
78) Pyrene	12.857	202	1562572	115.139	ng	99
80) Butylbenzylphthalate	13.457	149	251764	51.497	ng	99
81) Benzo(a)anthracene	14.051	228	1087561	111.936	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	117822	40.390	ng	99
83) Chrysene	14.086	228	893731	100.599	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	370155	59.961	ng	100
85) Di-n-octyl phthalate	14.645	149	622562	73.794	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	477308	63.280	ng	99
88) Benzo(b)fluoranthene	15.127	252	848638	116.733	ng	98
89) Benzo(k)fluoranthene	15.157	252	498789m	78.404	ng	
90) Benzo(a)pyrene	15.504	252	616883	104.361	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	302959	49.044	ng	99
92) Benzo(g,h,i)perylene	17.551	276	376475	59.725	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

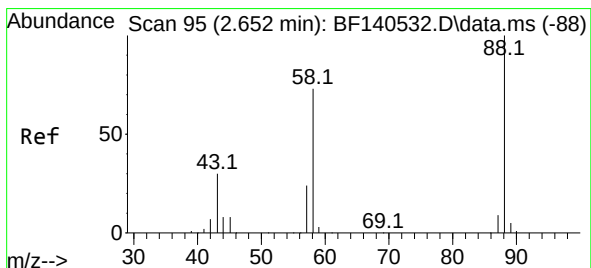
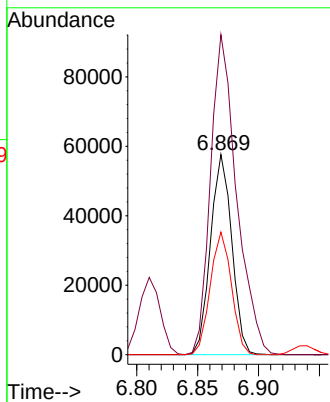
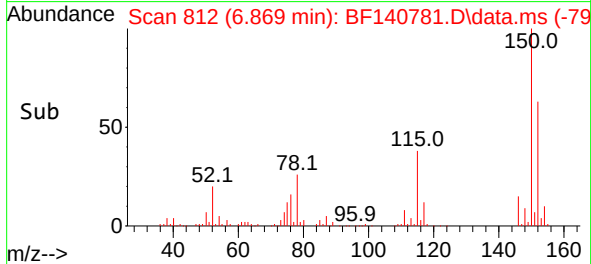
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:152 Resp: 7032
Ion Ratio Lower Upper
152 100
150 159.8 128.5 192.7
115 61.2 50.2 75.4

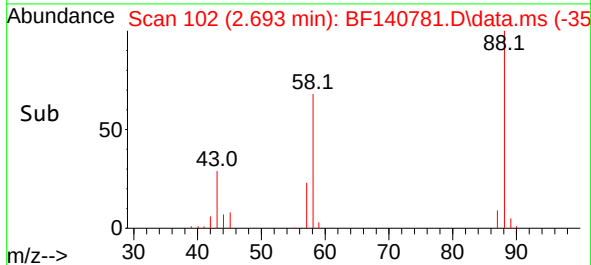
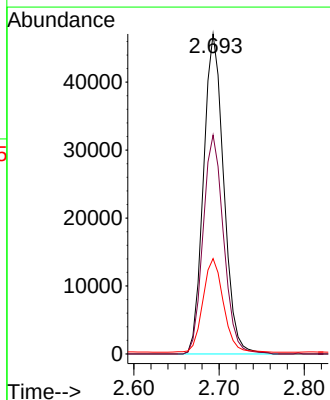
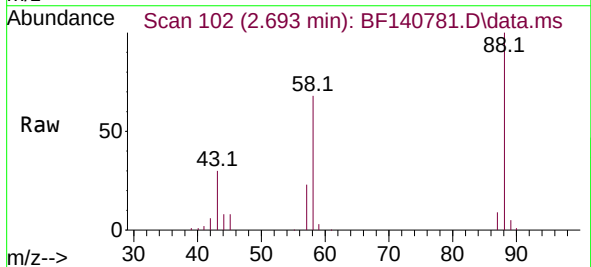
Manual Integrations
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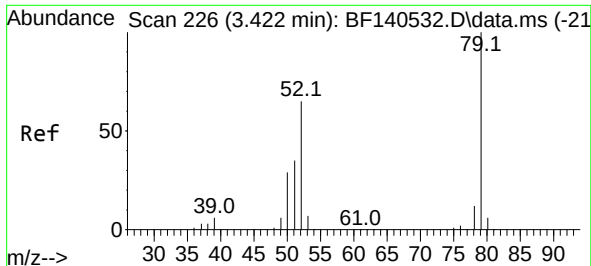
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#2
1,4-Dioxane
Concen: 44.794 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 88 Resp: 77624
Ion Ratio Lower Upper
88 100
58 69.5 57.4 86.2
43 29.6 24.3 36.5





#3

Pyridine

Concen: 49.673 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion: 79 Resp: 189394

Ion Ratio Lower Upper

79 100

52 66.2 52.1 78.1

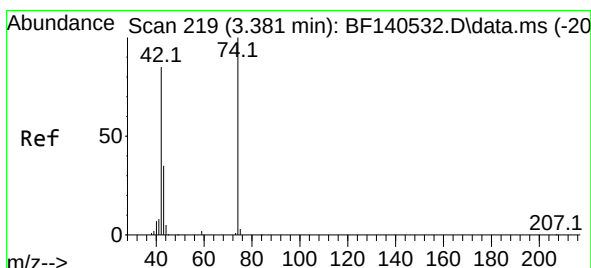
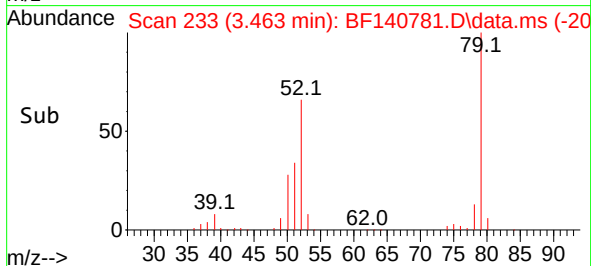
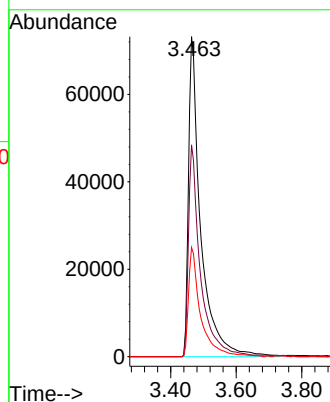
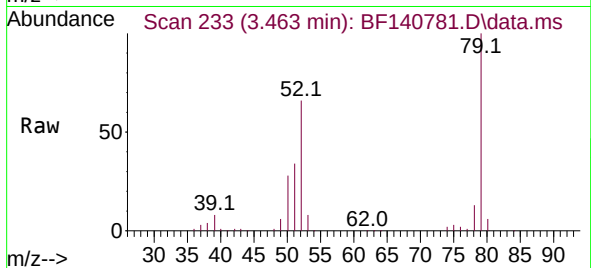
51 34.1 27.8 41.8

Manual Integrations

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Supervised By :mohammad ahmed 12/10/2024



#4

n-Nitrosodimethylamine

Concen: 45.685 ng

RT: 3.416 min Scan# 225

Delta R.T. 0.035 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

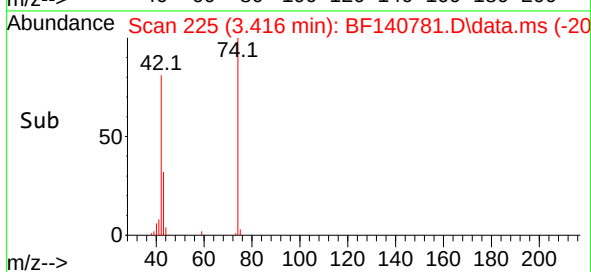
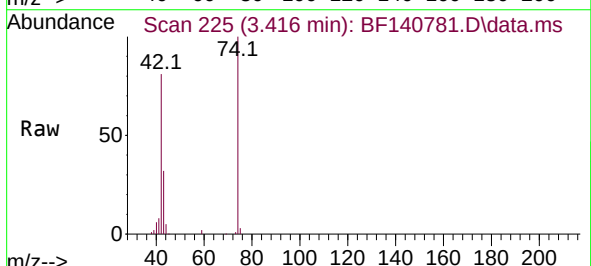
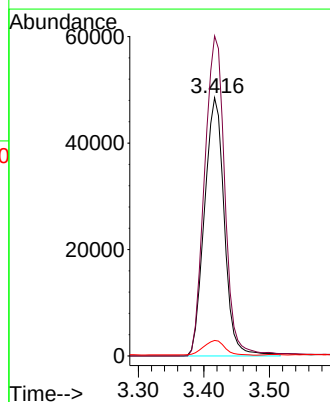
Tgt Ion: 42 Resp: 102375

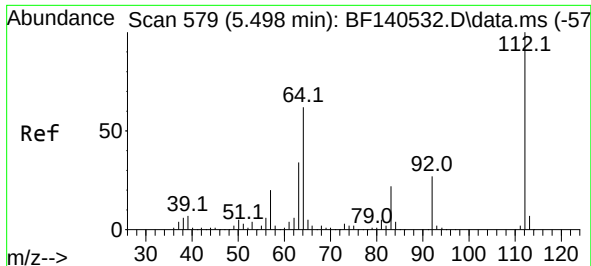
Ion Ratio Lower Upper

42 100

74 123.9 93.8 140.6

44 6.0 4.6 6.8





#5
2-Fluorophenol
Concen: 118.008 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

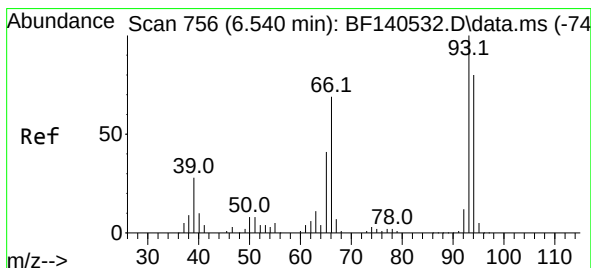
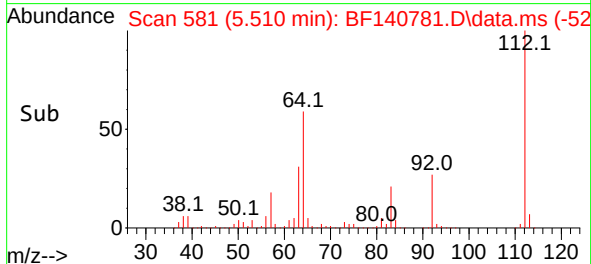
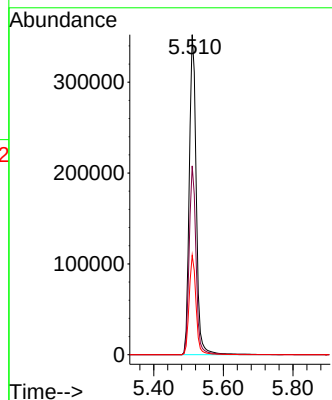
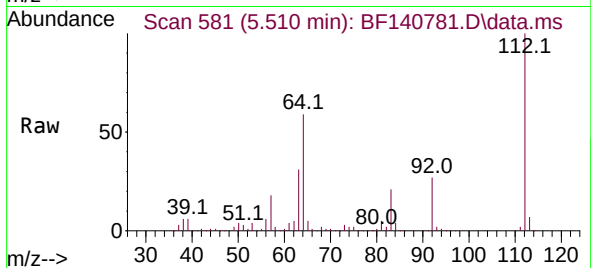
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Tgt Ion:112 Resp: 486379
Ion Ratio Lower Upper
112 100
64 59.0 49.2 73.8
63 31.1 27.0 40.4

Manual Integrations

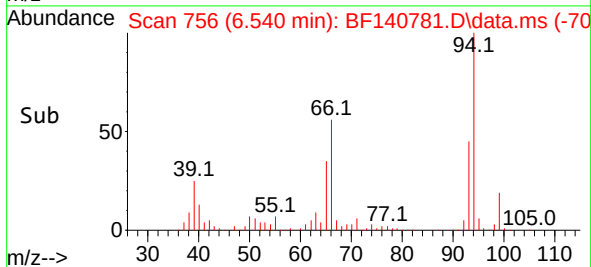
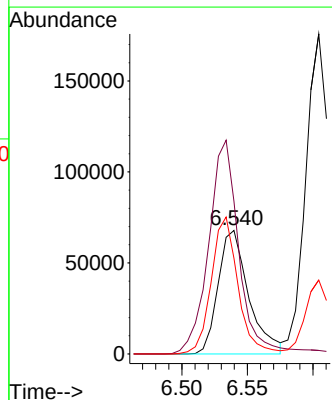
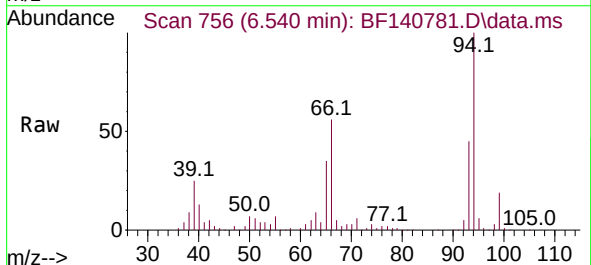
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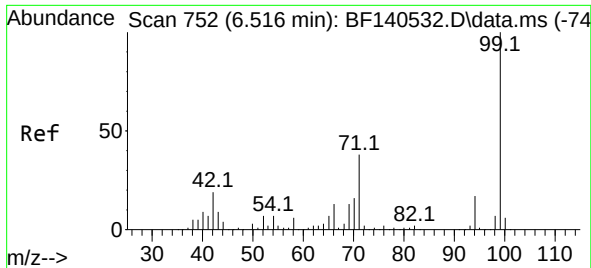
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#6
Aniline
Concen: 28.693 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

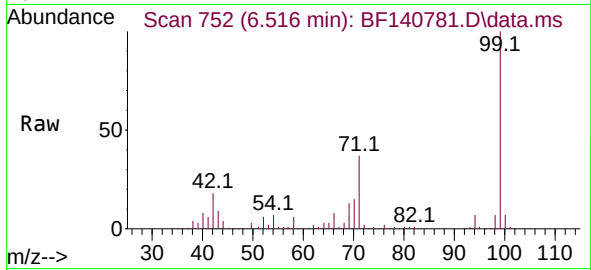
Tgt Ion: 93 Resp: 110044
Ion Ratio Lower Upper
93 100
66 123.6 56.5 84.7#
65 77.4 32.9 49.3#





#7
Phenol-d6
Concen: 112.458 ng
RT: 6.516 min Scan# 712
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

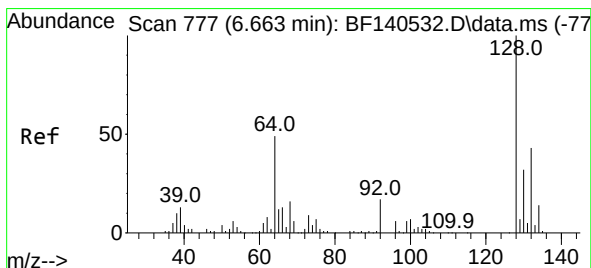
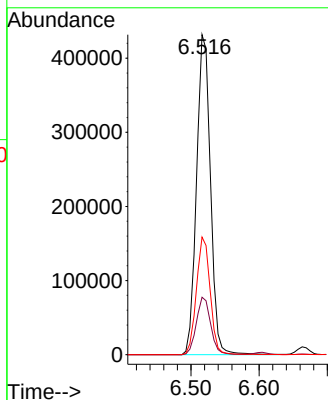
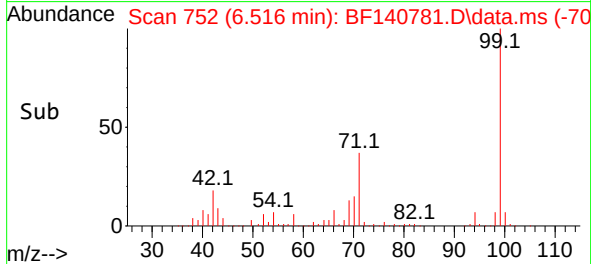
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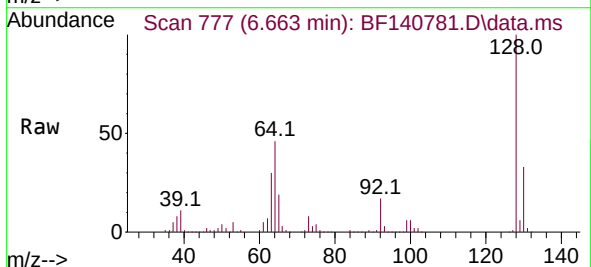
Tgt Ion: 99 Resp: 61276
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 36.7 30.6 46.0

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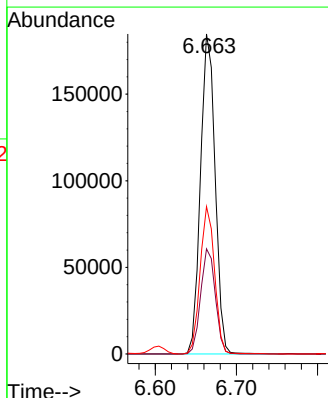
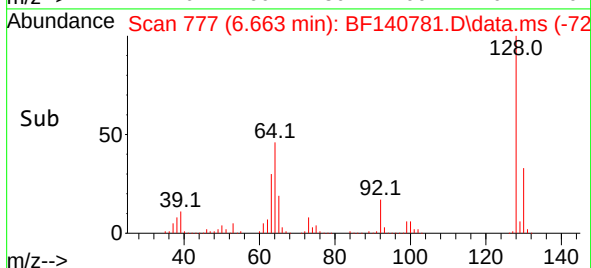
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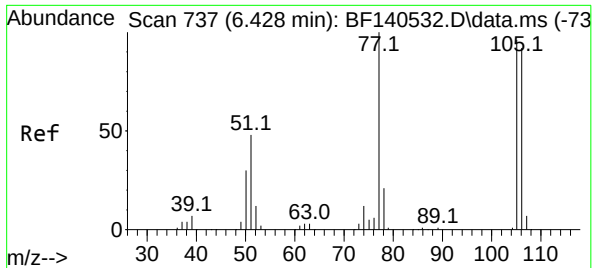


#8
2-Chlorophenol
Concen: 52.256 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



Tgt Ion:128 Resp: 231716
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 46.0 30.2 70.2





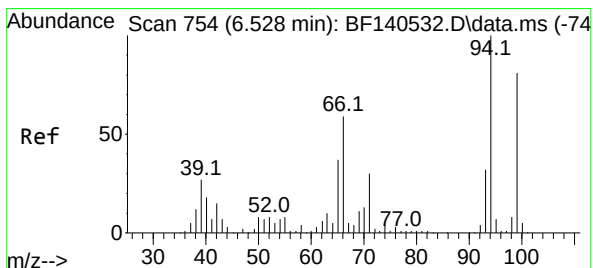
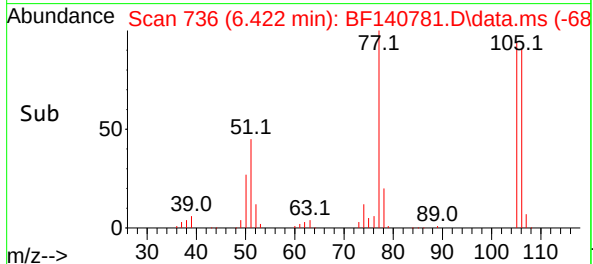
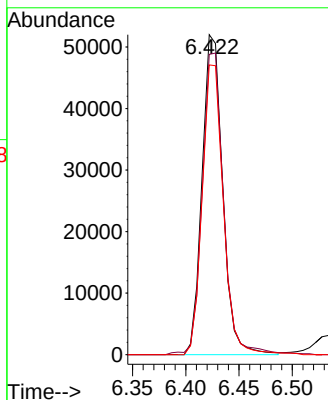
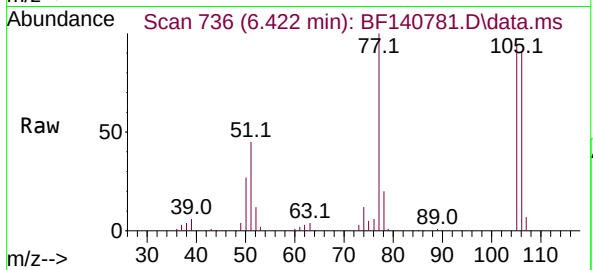
#9
Benzaldehyde
Concen: 24.389 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 77 Resp: 70350
Ion Ratio Lower Upper
77 100
105 93.8 75.6 115.6
106 90.6 72.0 112.0

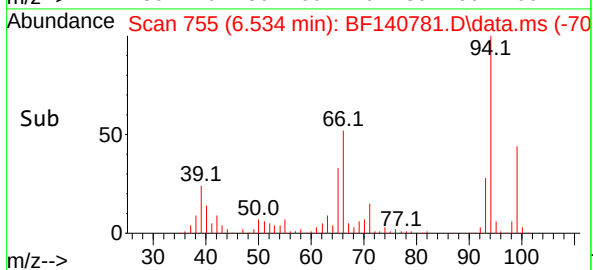
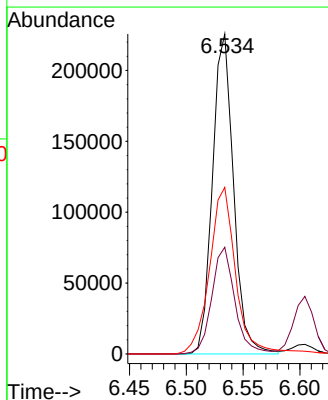
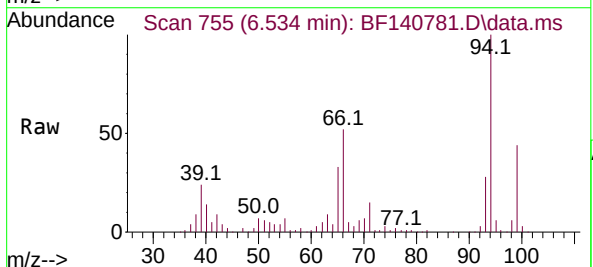
Manual Integrations
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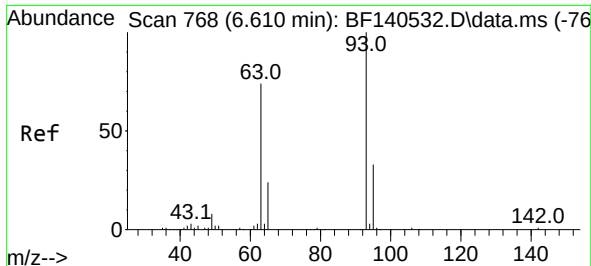
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#10
Phenol
Concen: 52.527 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 94 Resp: 292293
Ion Ratio Lower Upper
94 100
65 33.3 17.2 57.2
66 52.0 39.2 79.2





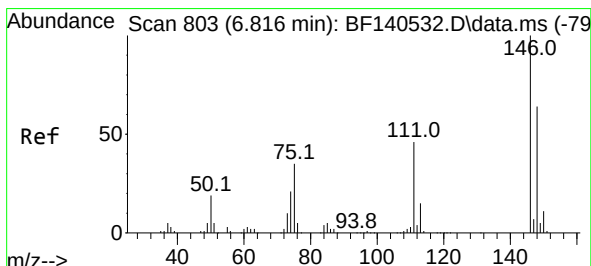
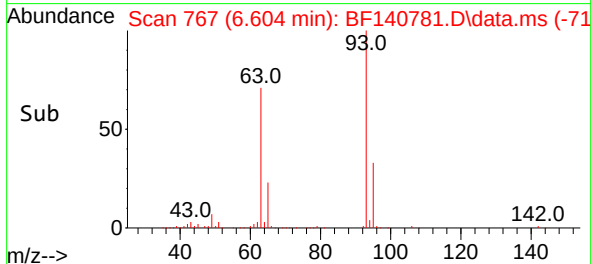
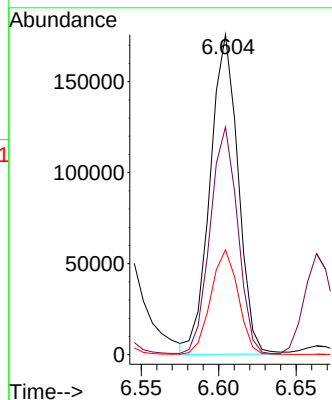
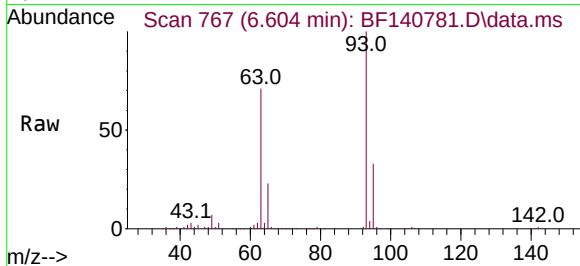
#11
bis(2-Chloroethyl)ether
Concen: 51.922 ng
RT: 6.604 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 93 Resp: 221094
Ion Ratio Lower Upper
93 100
63 71.1 52.8 92.8
95 32.8 12.3 52.3

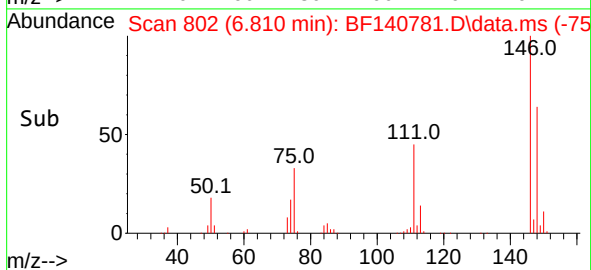
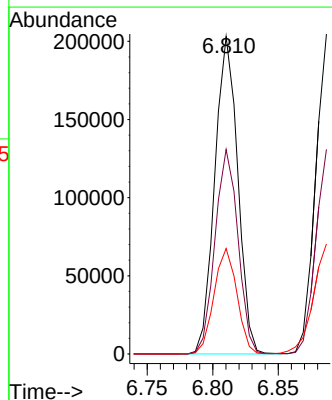
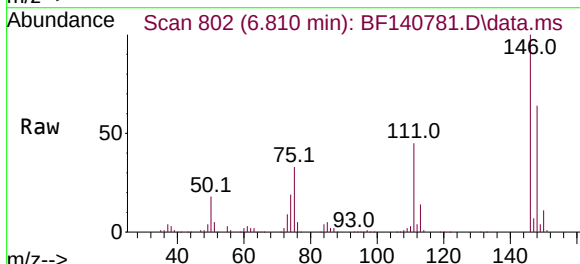
Manual Integrations
APPROVED

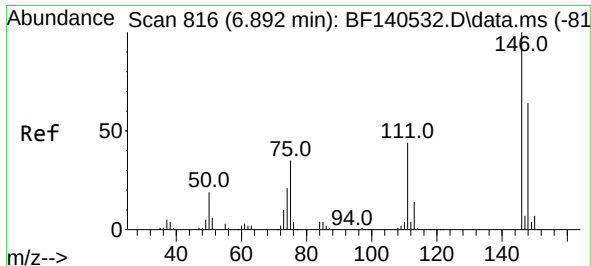
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#12
1,3-Dichlorobenzene
Concen: 49.671 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:146 Resp: 247485
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
75 33.2 28.2 42.2





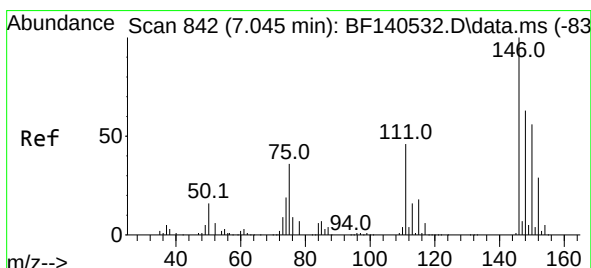
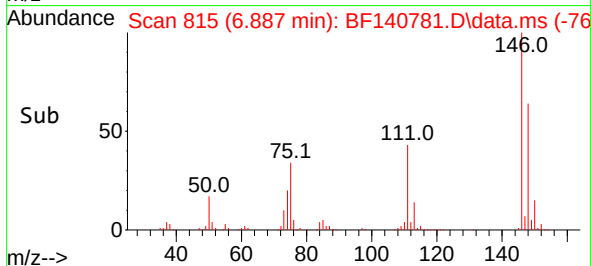
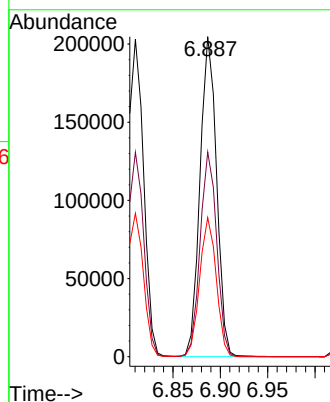
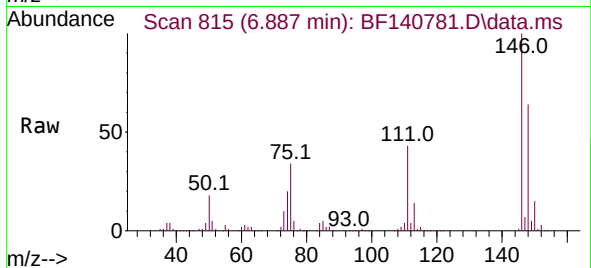
#13
1,4-Dichlorobenzene
Concen: 49.367 ng
RT: 6.887 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:146 Resp: 24905
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 43.4 35.3 52.9

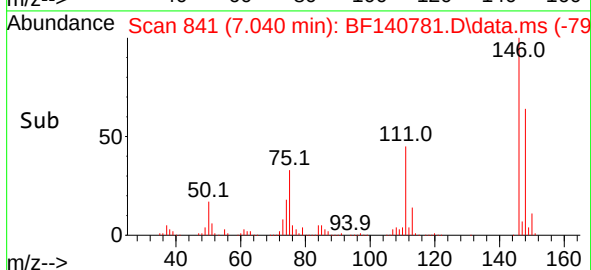
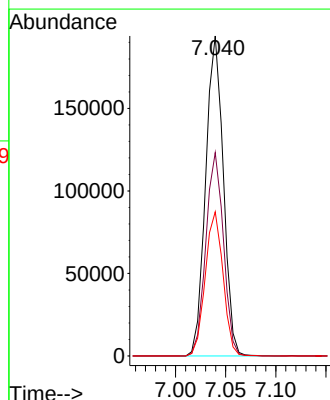
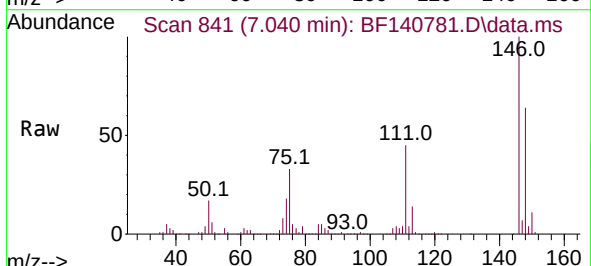
Manual Integrations
APPROVED

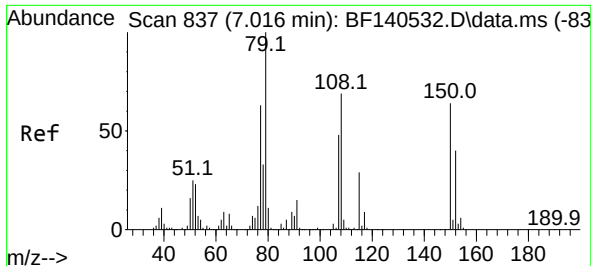
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#14
1,2-Dichlorobenzene
Concen: 50.438 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

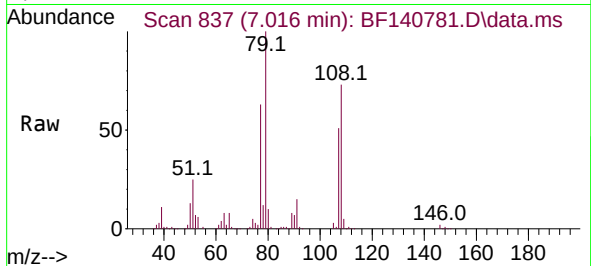
Tgt Ion:146 Resp: 238437
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 45.1 36.7 55.1





#15
Benzyl Alcohol
Concen: 49.329 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

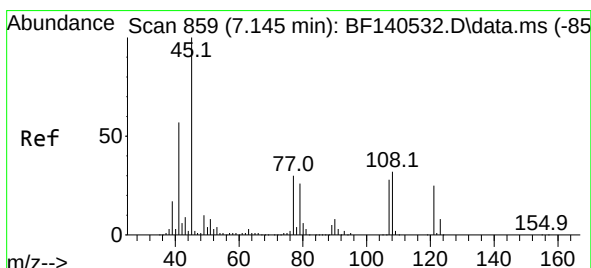
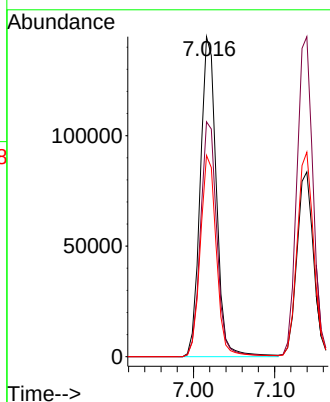
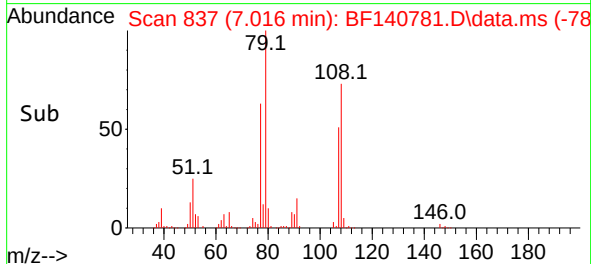
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



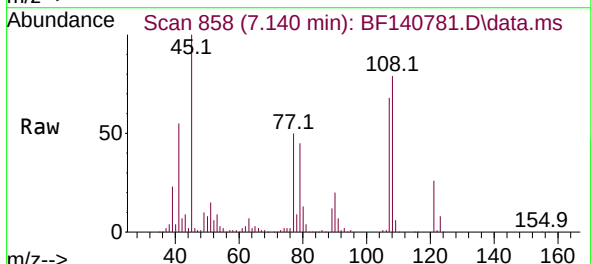
Tgt Ion: 79 Resp: 199328
Ion Ratio Lower Upper
79 100
108 73.4 55.0 82.6
77 62.9 50.1 75.1

Manual Integrations
APPROVED

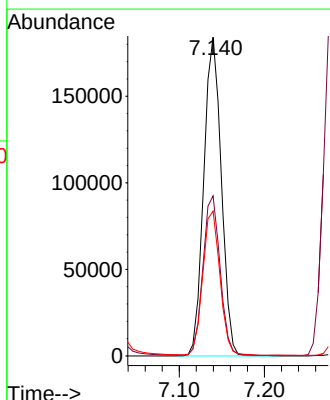
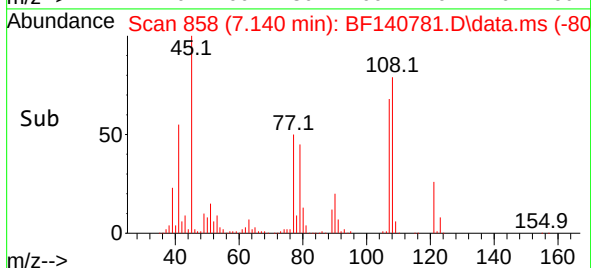
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

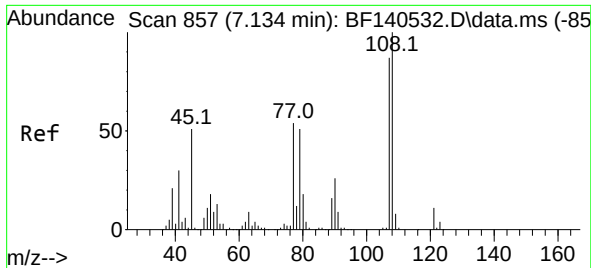


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.216 ng
RT: 7.140 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



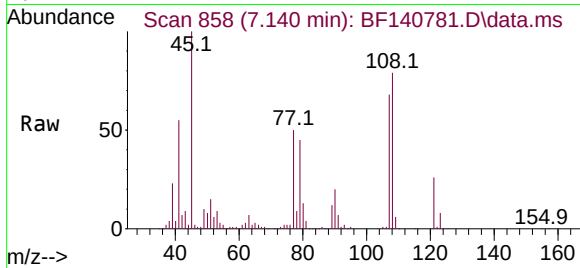
Tgt Ion: 45 Resp: 262680
Ion Ratio Lower Upper
45 100
77 50.2 10.7 50.7
79 45.4 7.0 47.0





#17
2-Methylphenol
Concen: 49.065 ng
RT: 7.140 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

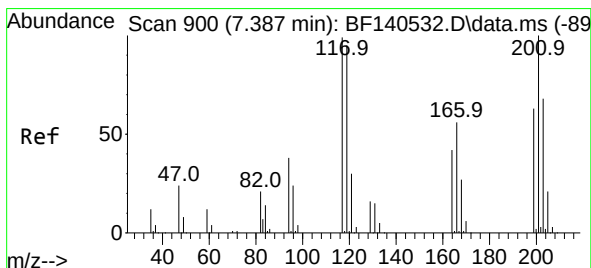
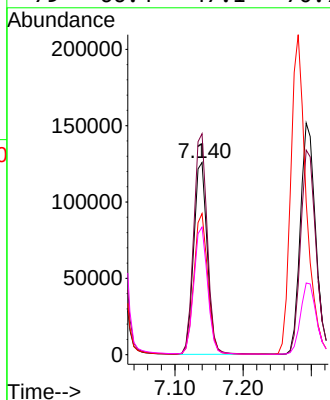
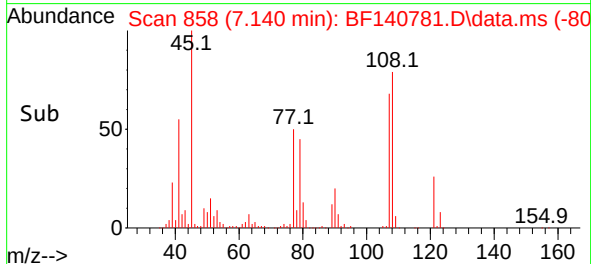
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:107 Resp: 174160
Ion Ratio Lower Upper
107 100
108 115.0 91.7 137.5
77 73.5 49.3 73.9
79 66.4 47.1 70.7

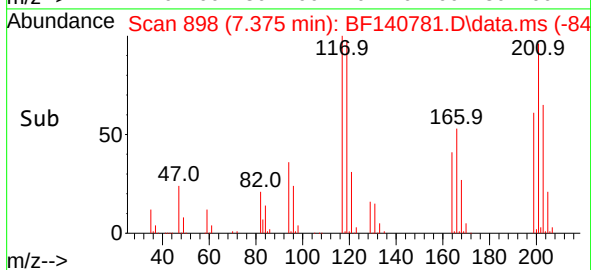
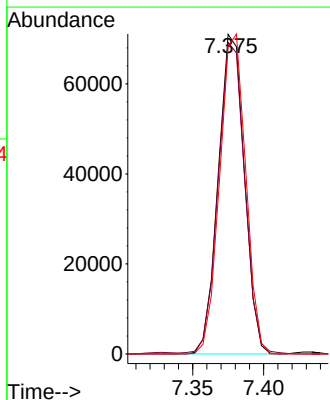
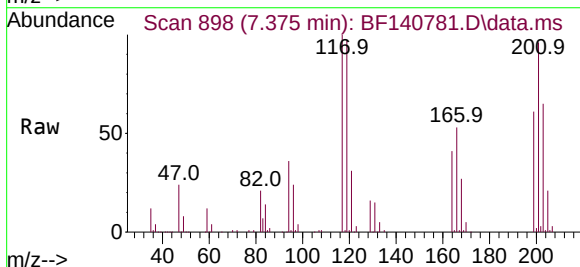
Manual Integrations
APPROVED

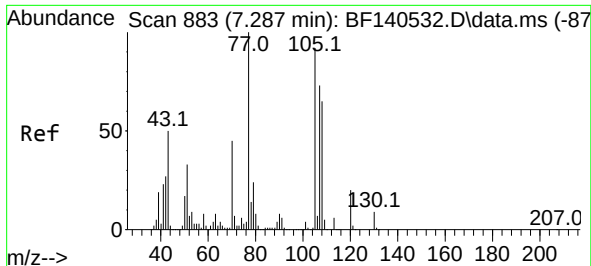
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#18
Hexachloroethane
Concen: 48.206 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

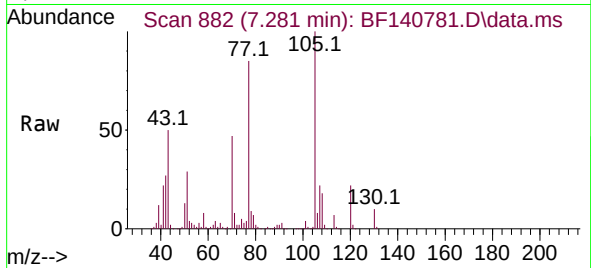
Tgt Ion:117 Resp: 90832
Ion Ratio Lower Upper
117 100
119 97.5 77.1 115.7
201 96.0 81.1 121.7





#19
n-Nitroso-di-n-propylamine
Concen: 51.440 ng
RT: 7.281 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

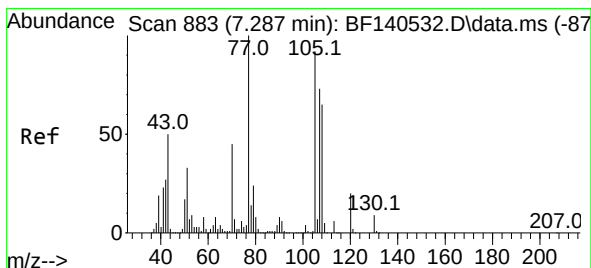
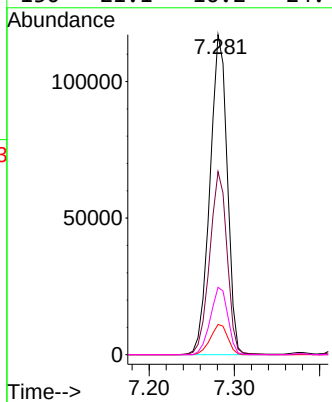
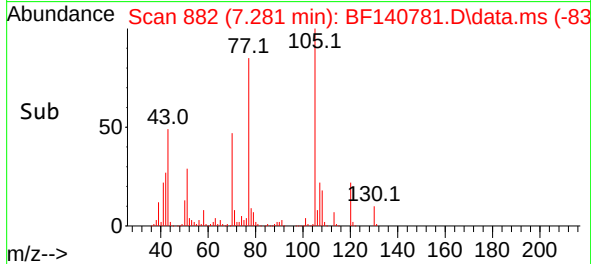
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion: 70 Resp: 16565
Ion Ratio Lower Upper
70 100
42 57.2 47.6 71.4
101 9.4 7.6 11.4
130 21.1 16.2 24.4

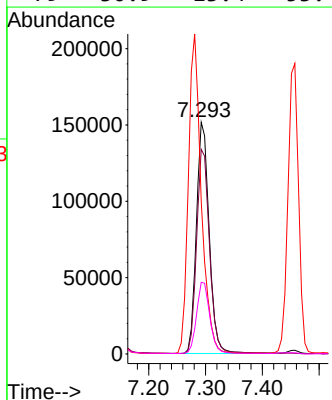
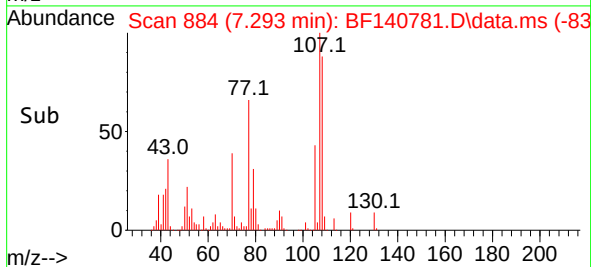
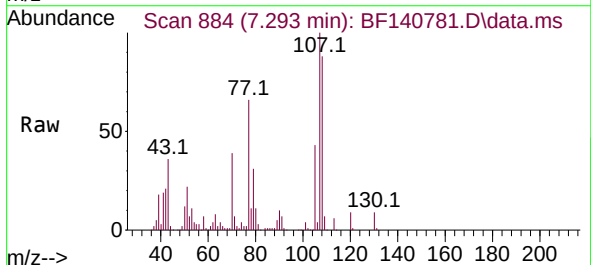
Manual Integrations
APPROVED

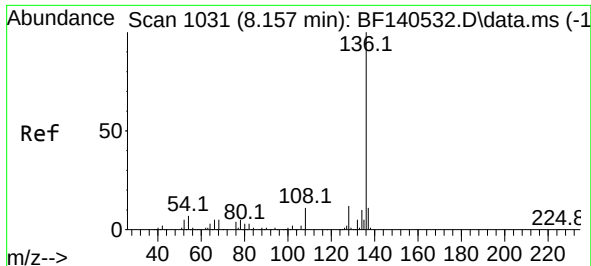
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#20
3+4-Methylphenols
Concen: 52.203 ng
RT: 7.293 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:107 Resp: 238171
Ion Ratio Lower Upper
107 100
108 88.3 69.9 109.9
77 65.8 117.7 157.7#
79 30.9 13.4 53.4





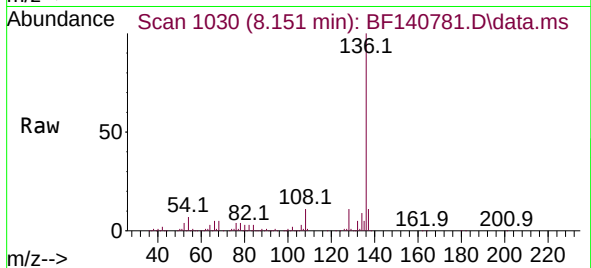
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



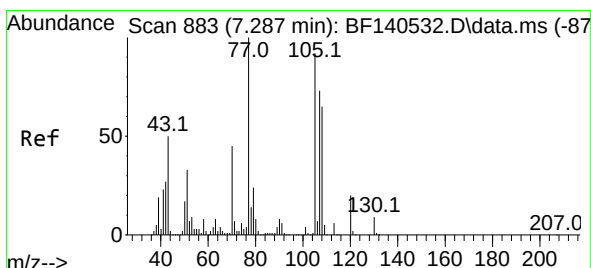
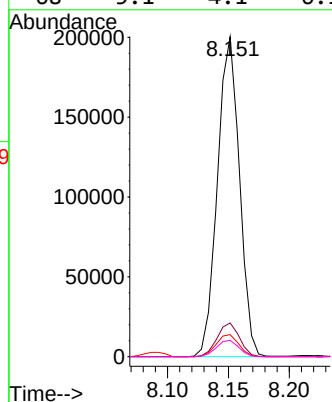
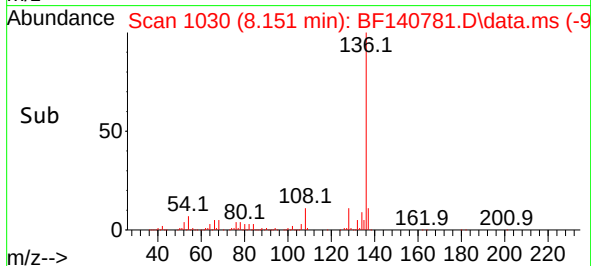
Tgt Ion:136 Resp: 252197
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.9 5.8 8.8
68 5.1 4.1 6.1

Manual Integrations

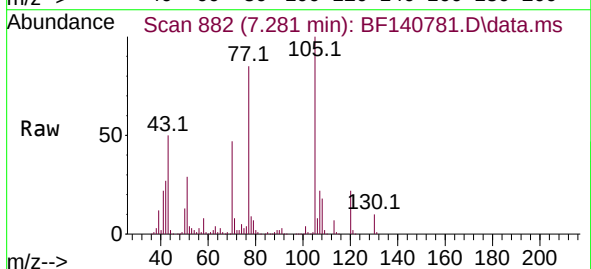
APPROVED

Reviewed By :Yogesh Patel 12/10/2024

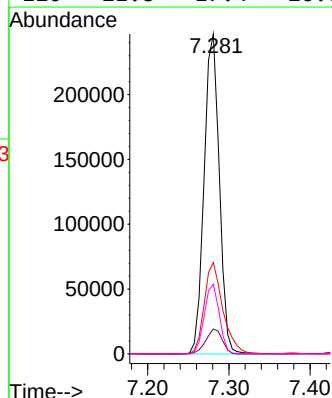
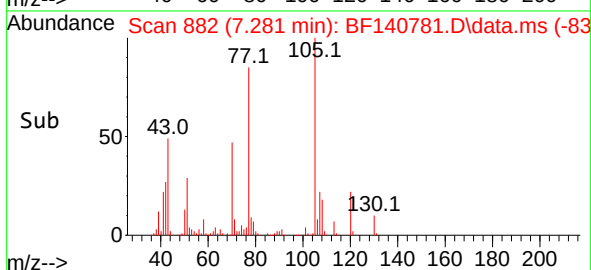
Supervised By :mohammad ahmed 12/10/2024

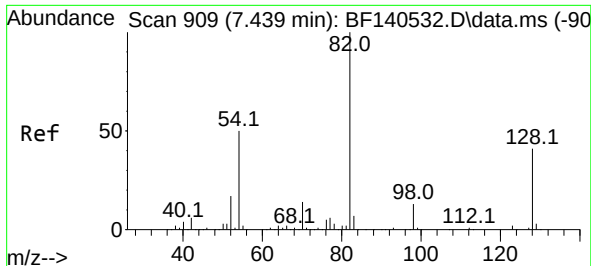


#22
Acetophenone
Concen: 52.156 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



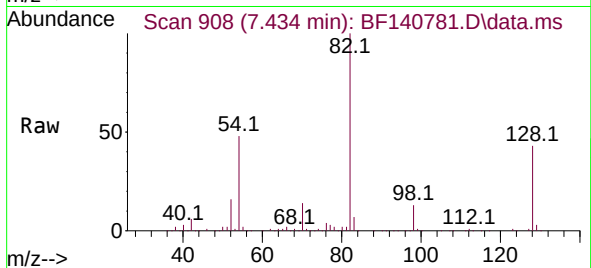
Tgt Ion:105 Resp: 320678
Ion Ratio Lower Upper
105 100
71 7.8 6.2 9.2
51 28.6 29.0 43.6#
120 21.8 17.4 26.0





#23
Nitrobenzene-d5
Concen: 80.180 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

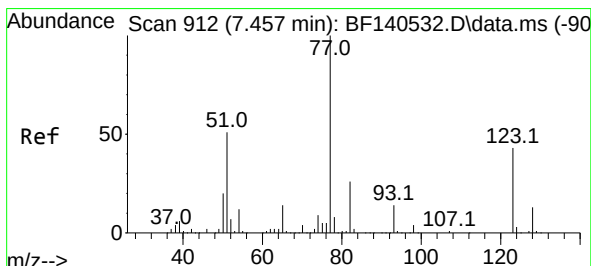
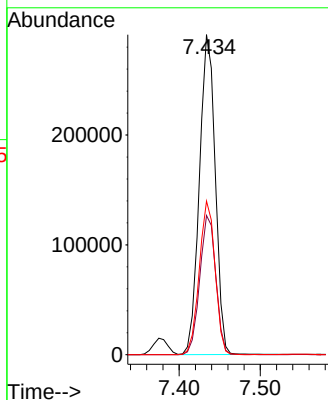
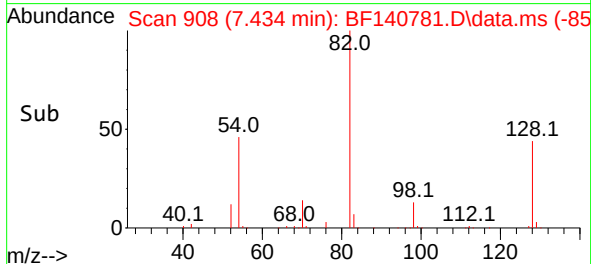
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion: 82 Resp: 395330
Ion Ratio Lower Upper
82 100
128 43.5 33.0 49.4
54 48.0 39.5 59.3

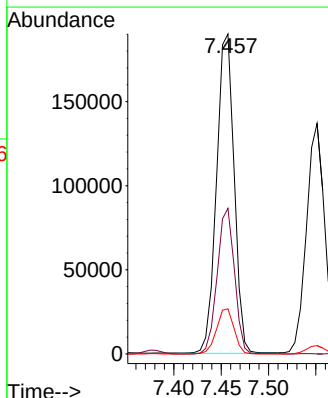
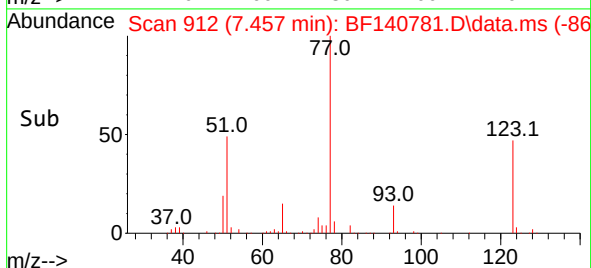
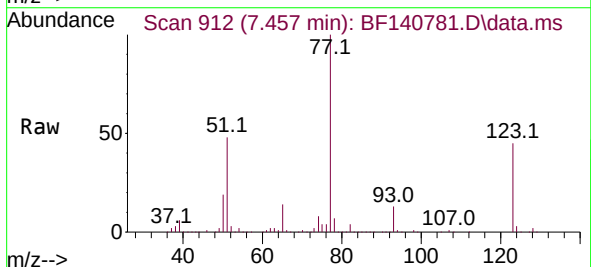
Manual Integrations
APPROVED

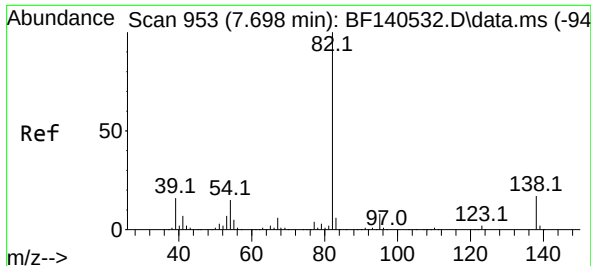
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#24
Nitrobenzene
Concen: 48.338 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 77 Resp: 246320
Ion Ratio Lower Upper
77 100
123 45.5 34.3 51.5
65 14.1 11.2 16.8





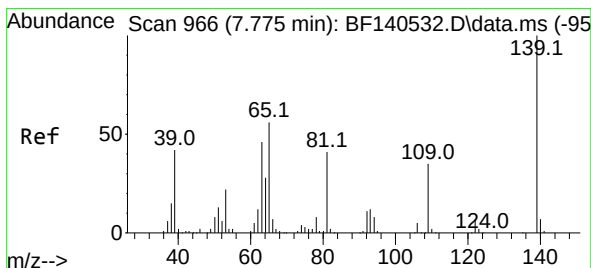
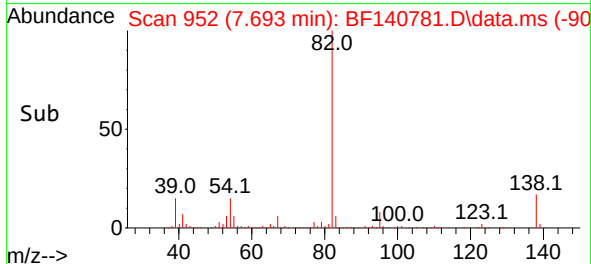
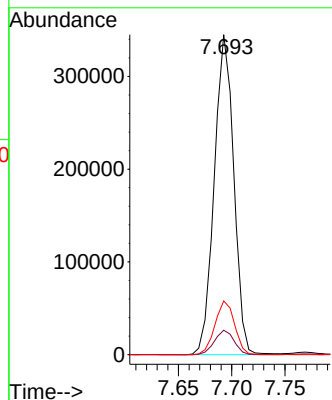
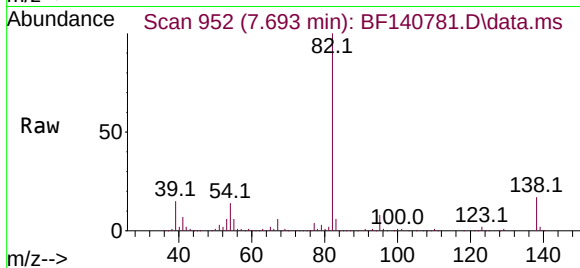
#25
Isophorone
Concen: 53.387 ng
RT: 7.693 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion: 82 Resp: 43904
Ion Ratio Lower Upper
82 100
95 7.6 6.4 9.6
138 16.8 13.8 20.6

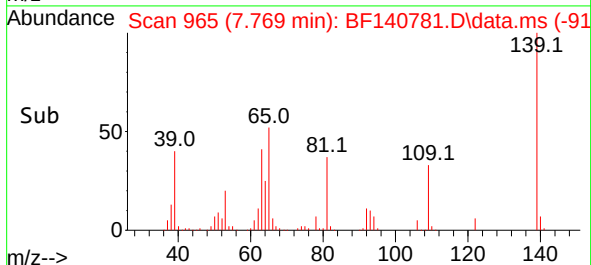
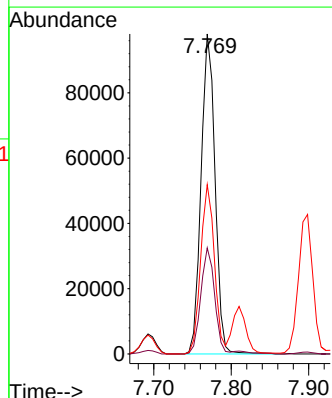
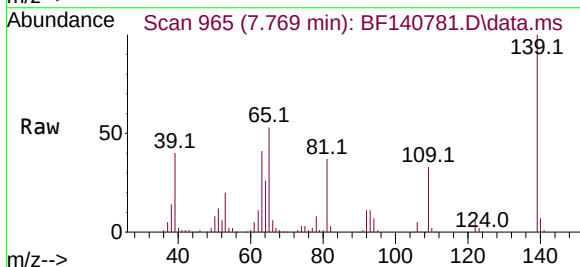
Manual Integrations
APPROVED

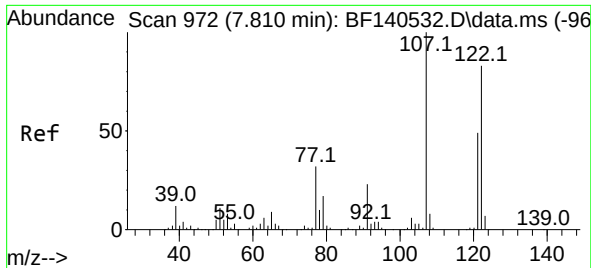
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#26
2-Nitrophenol
Concen: 54.330 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

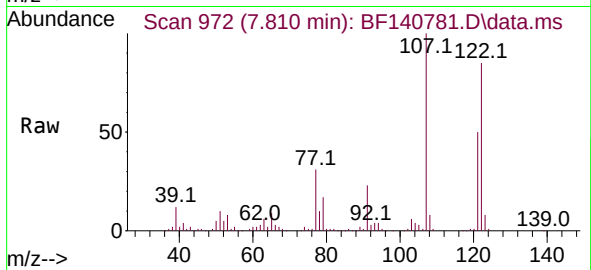
Tgt Ion:139 Resp: 122690
Ion Ratio Lower Upper
139 100
109 33.1 28.0 42.0
65 52.9 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 66.758 ng m
RT: 7.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

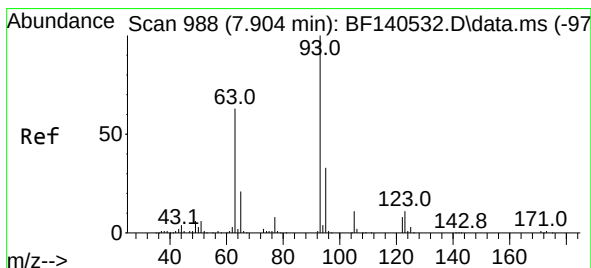
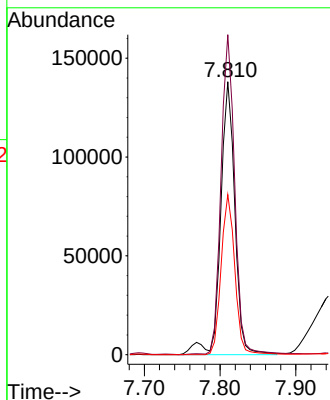
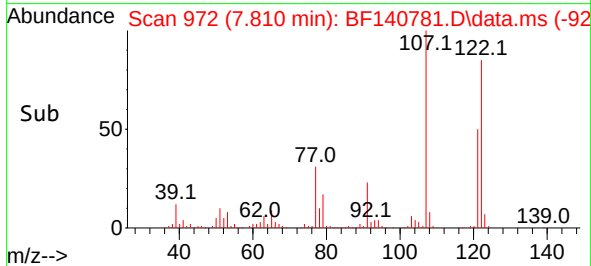
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:122 Resp: 18037
Ion Ratio Lower Upper
122 100
107 117.2 96.8 145.2
121 58.6 47.4 71.0

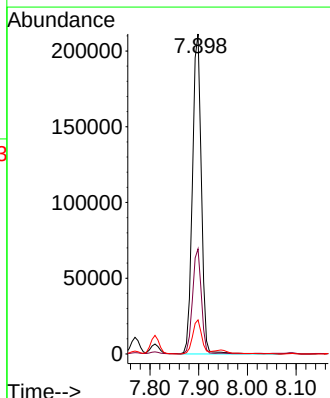
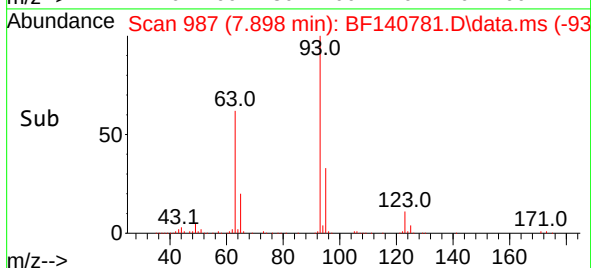
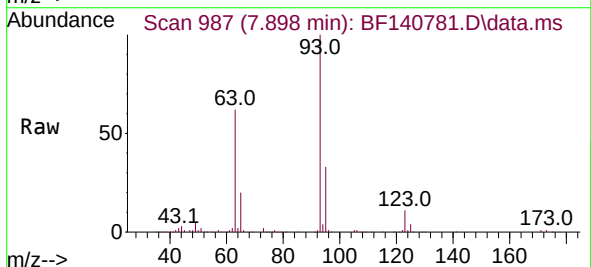
Manual Integrations
APPROVED

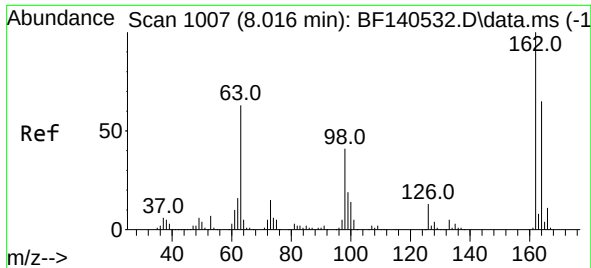
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#28
bis(2-Chloroethoxy)methane
Concen: 53.941 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion: 93 Resp: 270241
Ion Ratio Lower Upper
93 100
95 32.8 26.1 39.1
123 10.6 9.1 13.7





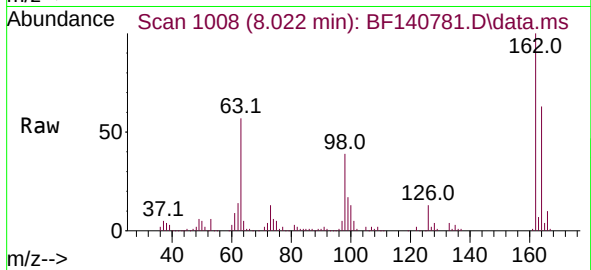
#29
2,4-Dichlorophenol
Concen: 53.382 ng
RT: 8.022 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

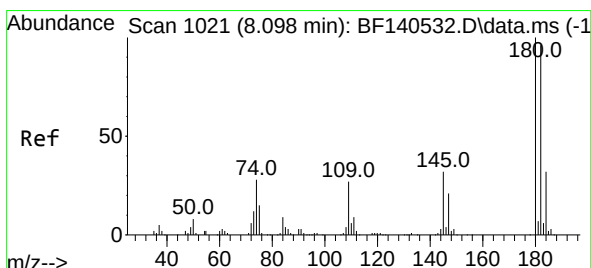
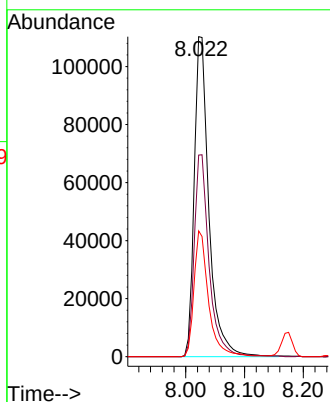
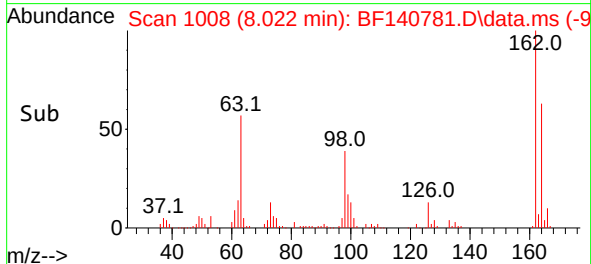


Tgt Ion:162 Resp: 191124
Ion Ratio Lower Upper
162 100
164 63.0 44.8 84.8
98 39.3 21.2 61.2

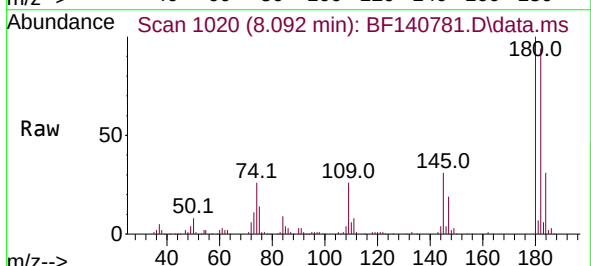
Manual Integrations

APPROVED

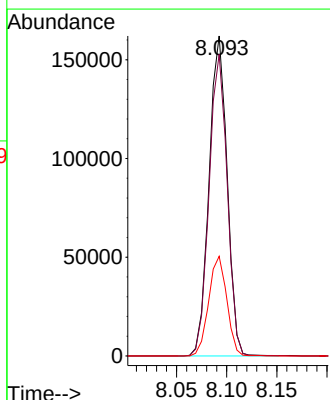
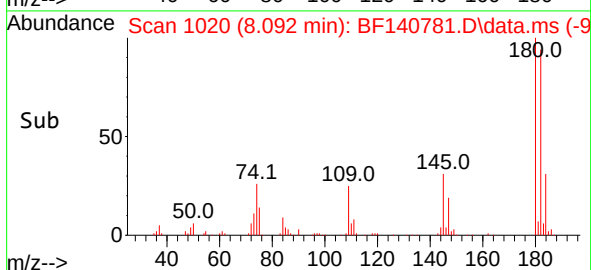
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

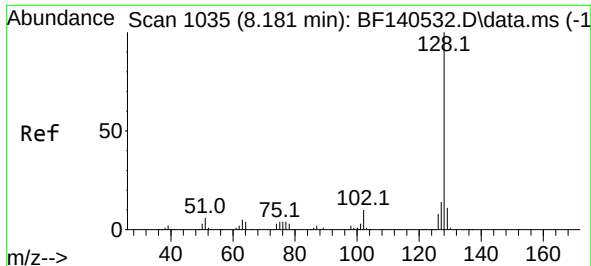


#30
1,2,4-Trichlorobenzene
Concen: 49.739 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



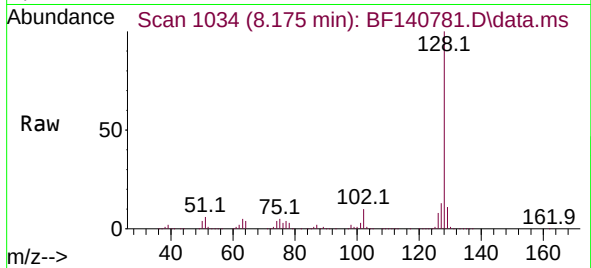
Tgt Ion:180 Resp: 203328
Ion Ratio Lower Upper
180 100
182 94.2 76.4 114.6
145 31.1 25.9 38.9





#31
Naphthalene
Concen: 54.627 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

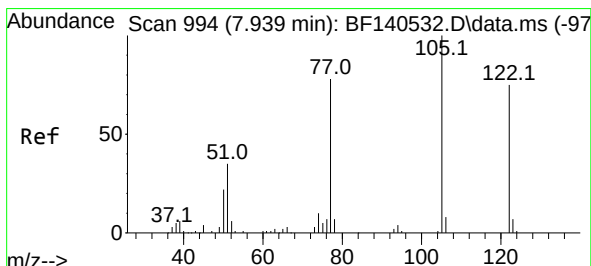
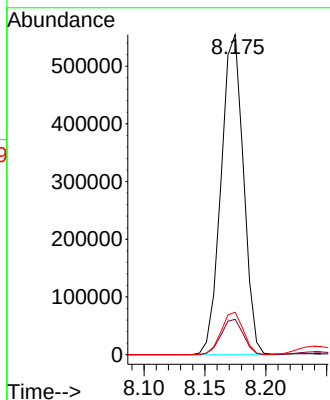
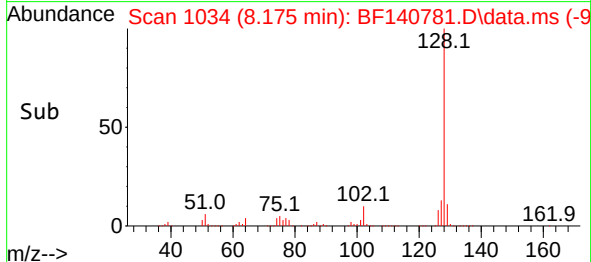
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:128 Resp: 70962
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.3 10.8 16.2

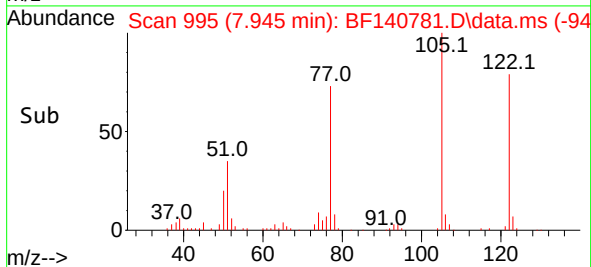
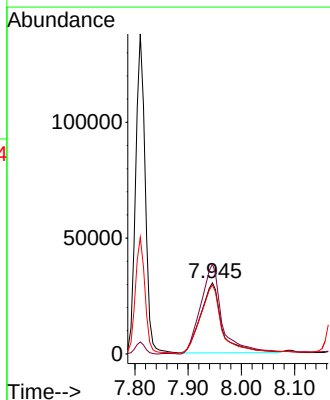
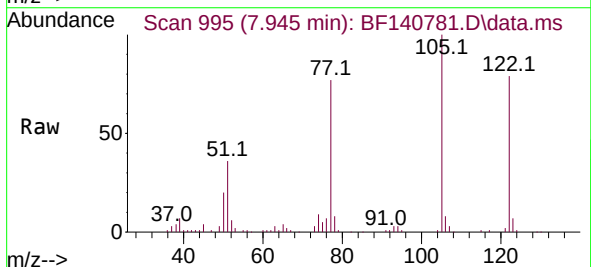
Manual Integrations
APPROVED

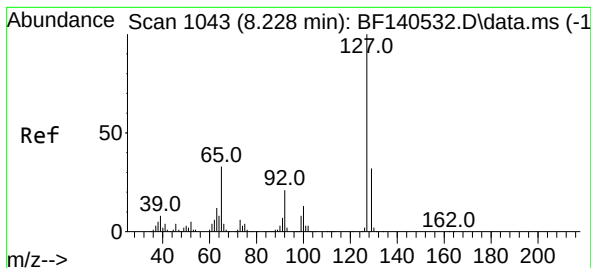
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#32
Benzoic acid
Concen: 37.752 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:122 Resp: 84518
Ion Ratio Lower Upper
122 100
105 126.5 109.3 149.3
77 97.0 82.3 122.3





#33

4-Chloroaniline

Concen: 10.782 ng

RT: 8.240 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

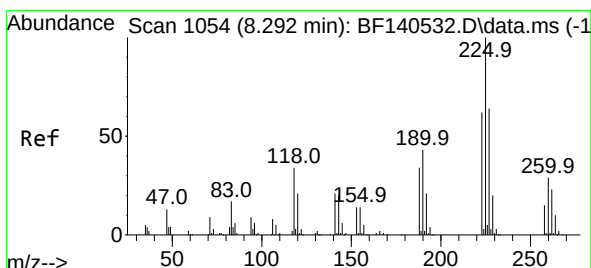
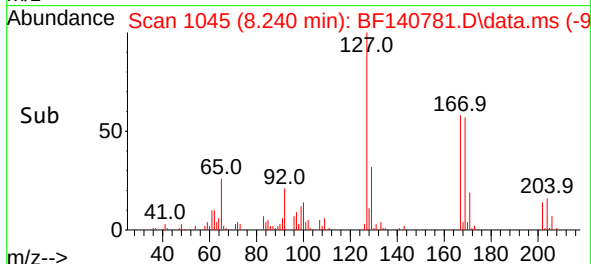
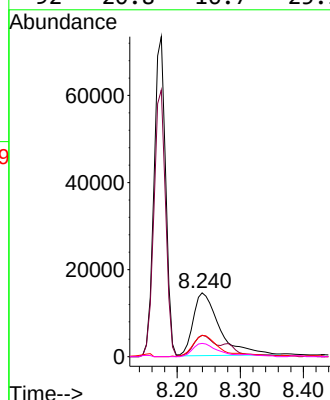
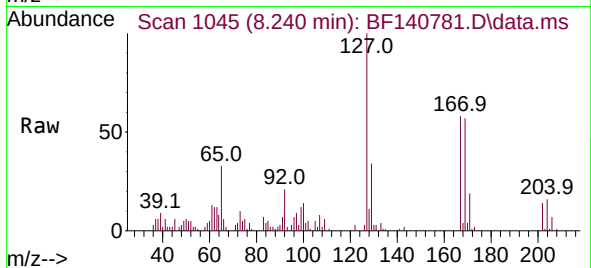
Tgt Ion:	127	Resp:	41934
Ion Ratio	Lower	Upper	
127	100		
129	33.7	26.0	39.0
65	33.4	26.0	39.0
92	20.8	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#34

Hexachlorobutadiene

Concen: 50.340 ng

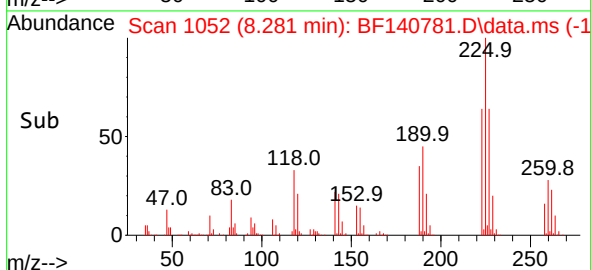
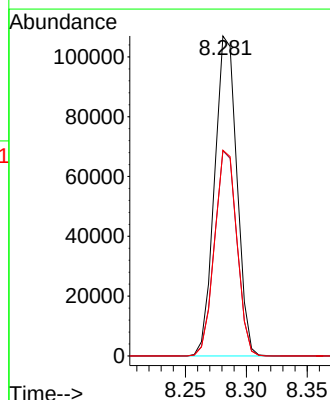
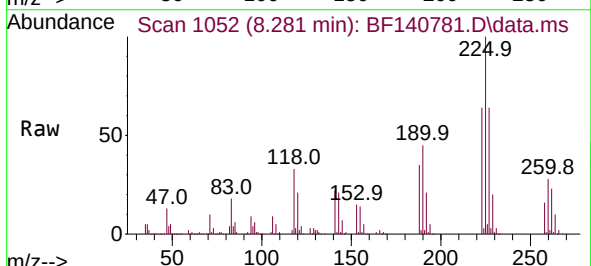
RT: 8.281 min Scan# 1052

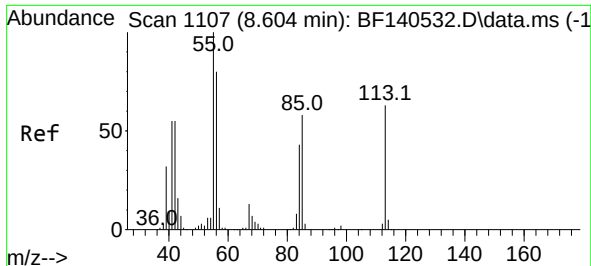
Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

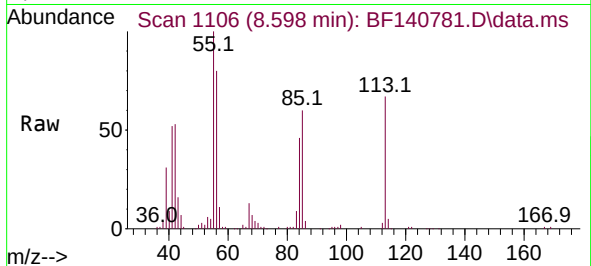
Tgt Ion:	225	Resp:	136302
Ion Ratio	Lower	Upper	
225	100		
223	64.2	49.8	74.8
227	64.3	51.3	76.9





#35
Caprolactam
Concen: 50.389 ng
RT: 8.598 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

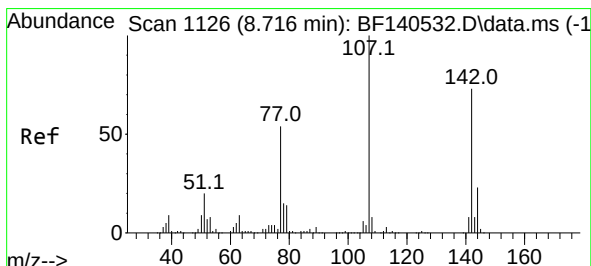
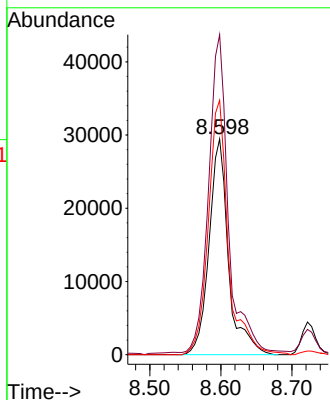
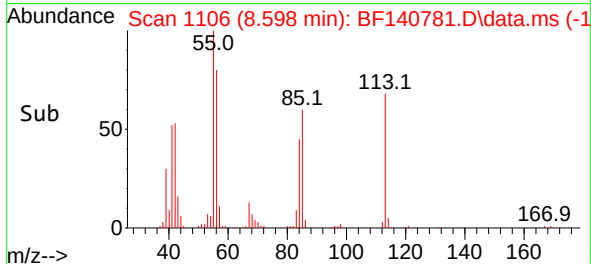
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:113 Resp: 55830
Ion Ratio Lower Upper
113 100
55 148.3 137.7 177.7
56 117.9 106.4 146.4

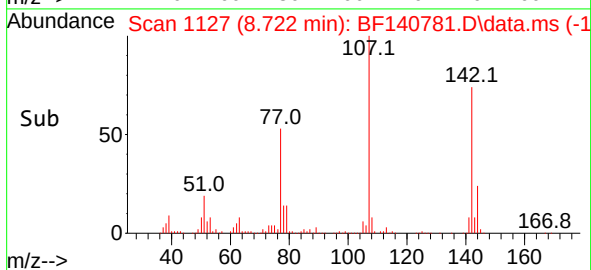
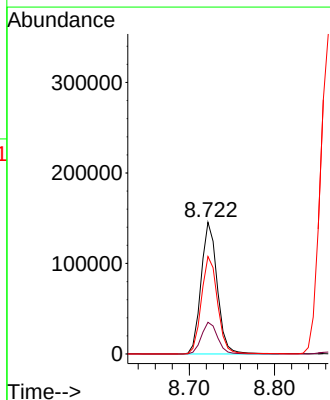
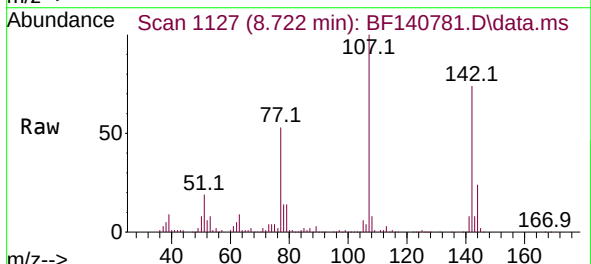
Manual Integrations
APPROVED

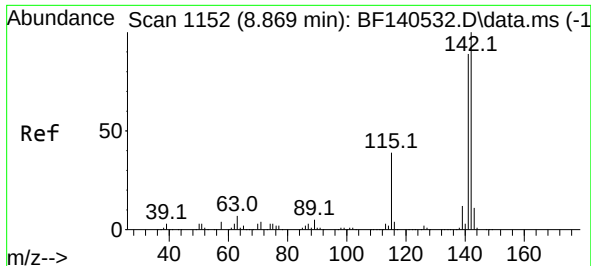
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#36
4-Chloro-3-methylphenol
Concen: 47.848 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

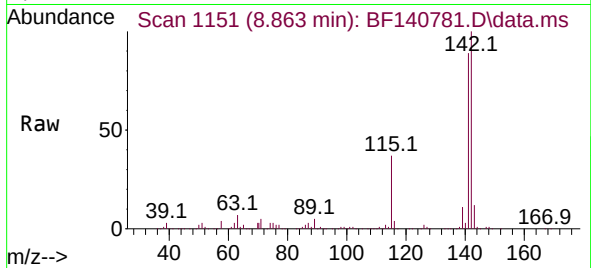
Tgt Ion:107 Resp: 191803
Ion Ratio Lower Upper
107 100
144 24.0 18.7 28.1
142 74.0 58.3 87.5





#37
2-Methylnaphthalene
Concen: 54.051 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

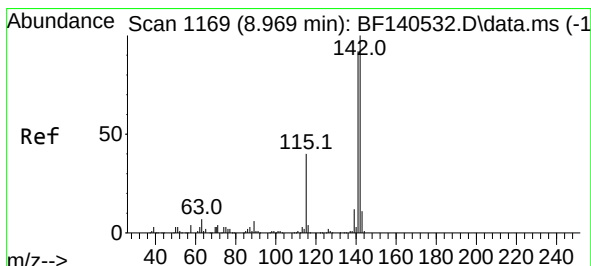
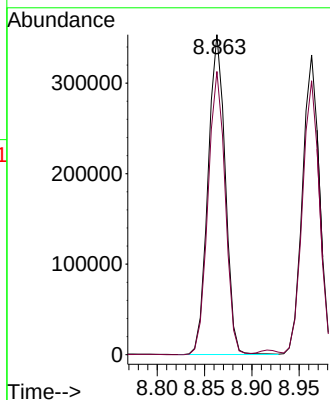
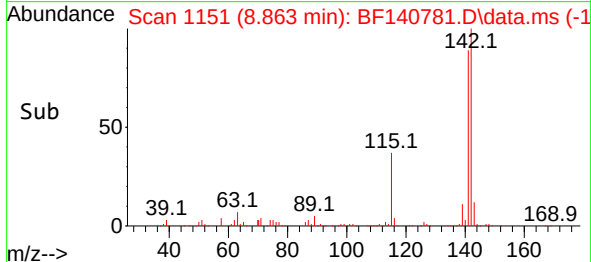
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:142 Resp: 44597
Ion Ratio Lower Upper
142 100
141 88.5 71.0 106.6

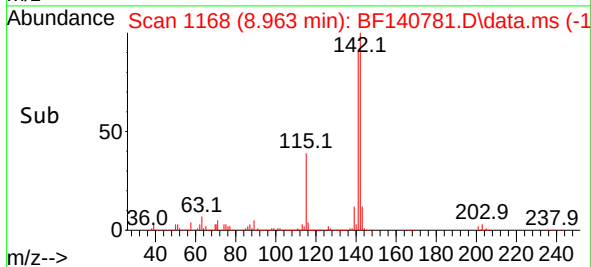
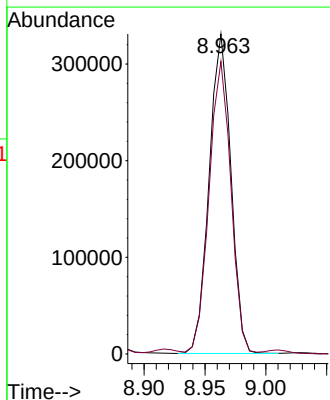
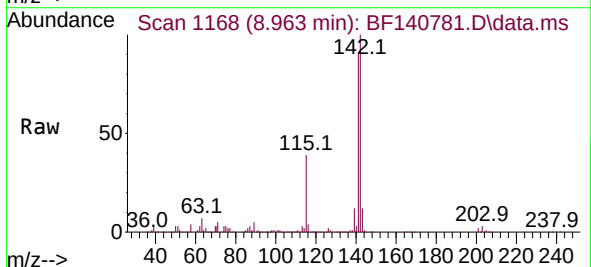
Manual Integrations
APPROVED

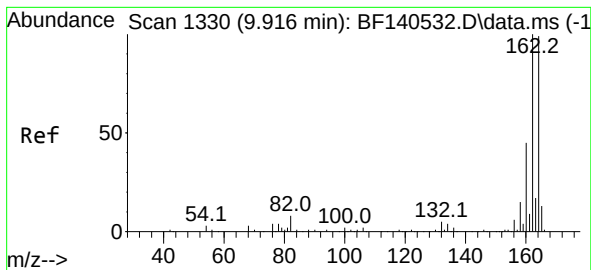
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#38
1-Methylnaphthalene
Concen: 50.776 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:142 Resp: 410655
Ion Ratio Lower Upper
142 100
141 91.4 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF140781.D

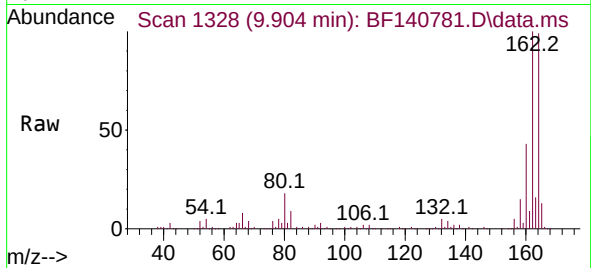
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



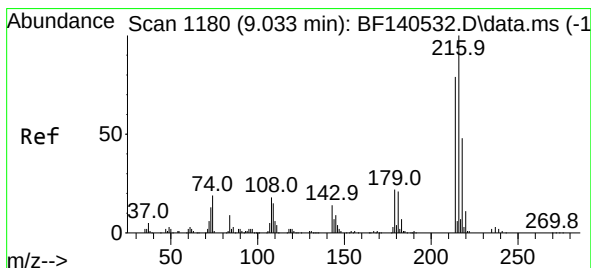
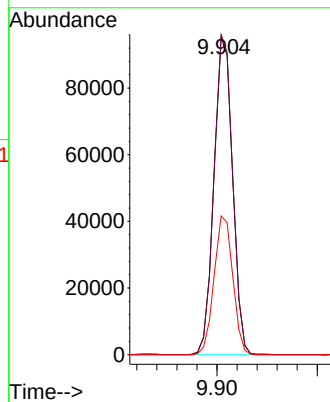
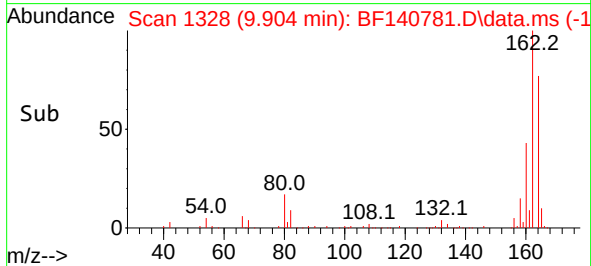
Tgt Ion:164	Resp:	12292	
Ion Ratio	Lower	Upper	
164	100		
162	100.8	80.6	120.8
160	43.7	36.2	54.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.228 ng

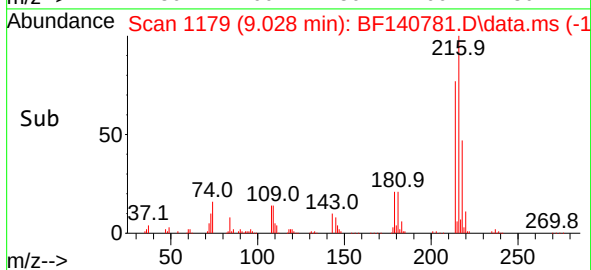
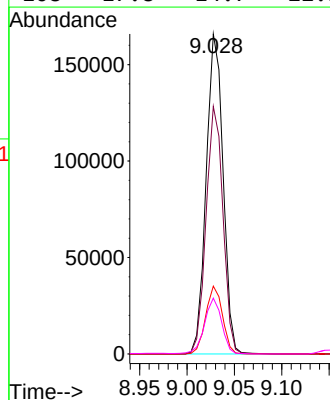
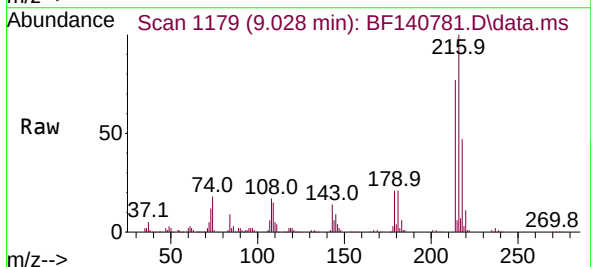
RT: 9.028 min Scan# 1179

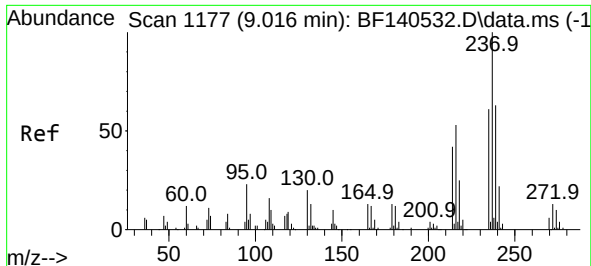
Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

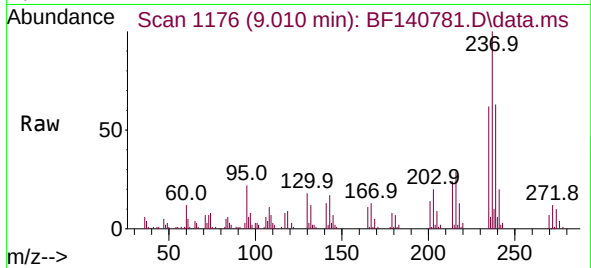
Tgt Ion:216	Resp:	205939	
Ion Ratio	Lower	Upper	
216	100		
214	77.3	63.0	94.4
179	21.0	17.5	26.3
108	17.8	14.7	22.1





#41
Hexachlorocyclopentadiene
Concen: 52.151 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

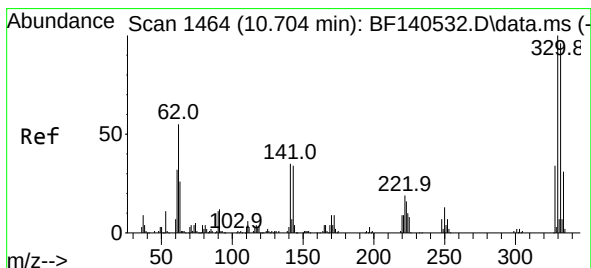
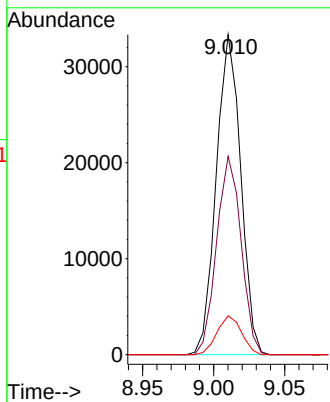
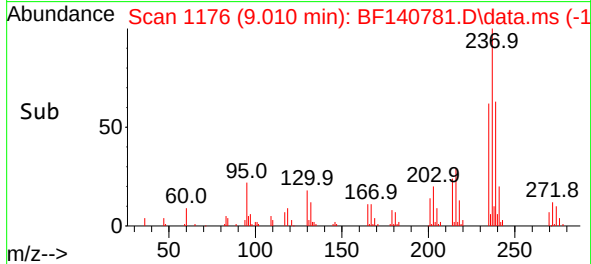
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:237 Resp: 39924
Ion Ratio Lower Upper
237 100
235 62.0 41.1 81.1
272 12.1 0.0 32.6

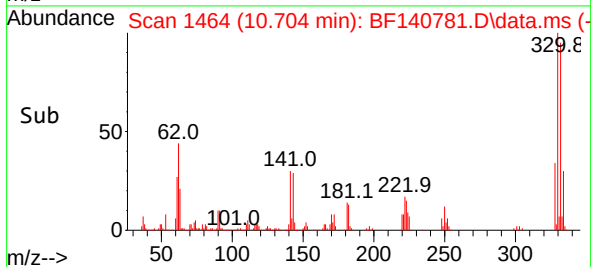
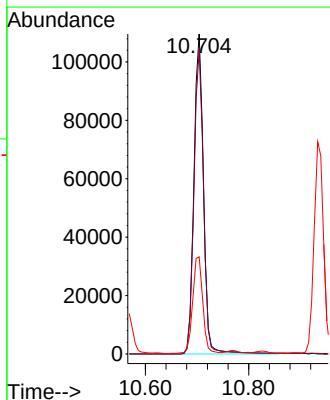
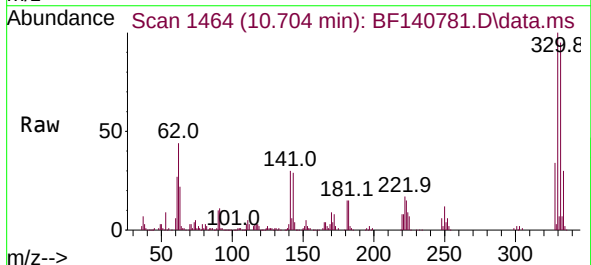
Manual Integrations
APPROVED

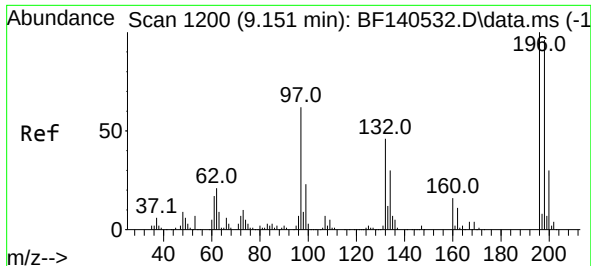
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#42
2,4,6-Tribromophenol
Concen: 107.324 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

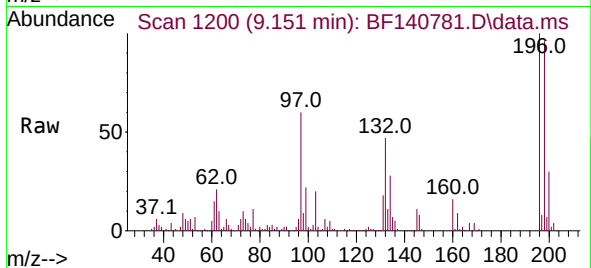
Tgt Ion:330 Resp: 141094
Ion Ratio Lower Upper
330 100
332 94.8 76.9 115.3
141 31.7 26.7 40.1





#43
2,4,6-Trichlorophenol
Concen: 54.858 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

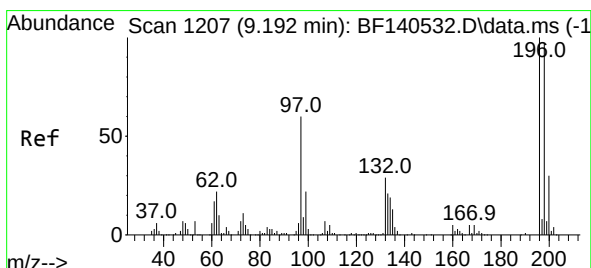
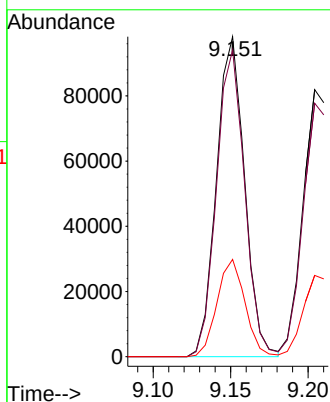
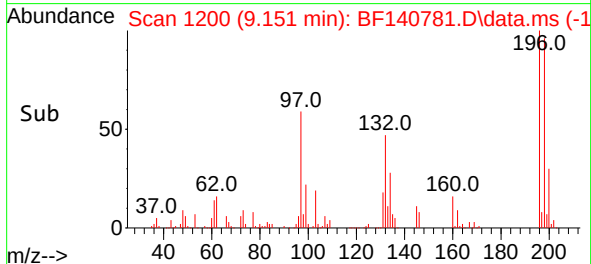
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



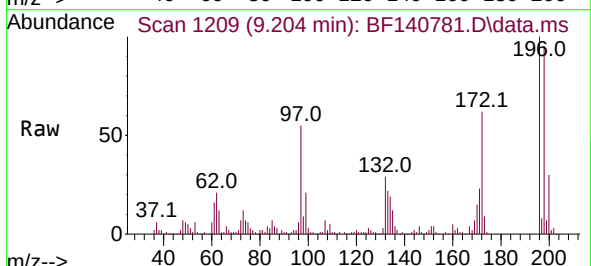
Tgt Ion:196 Resp: 123872
Ion Ratio Lower Upper
196 100
198 95.8 76.8 115.2
200 30.4 24.3 36.5

Manual Integrations
APPROVED

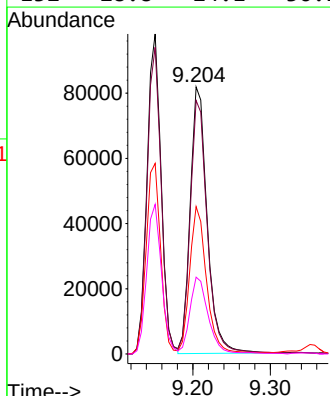
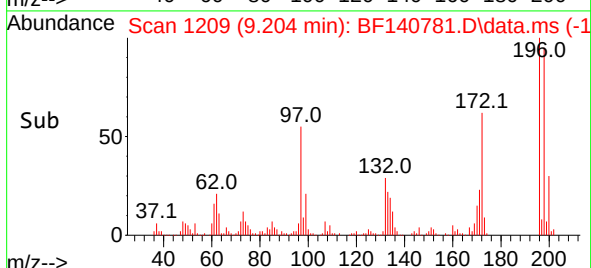
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

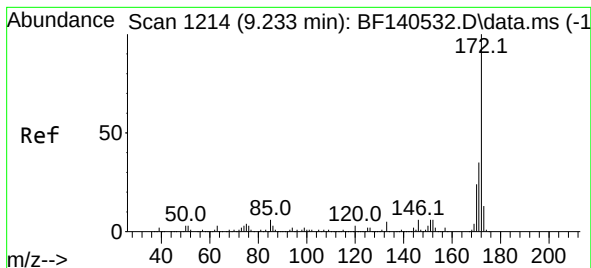


#44
2,4,5-Trichlorophenol
Concen: 50.852 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



Tgt Ion:196 Resp: 124620
Ion Ratio Lower Upper
196 100
198 94.9 77.2 115.8
97 55.2 47.1 70.7
132 28.8 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 85.641 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:172 Resp: 706549

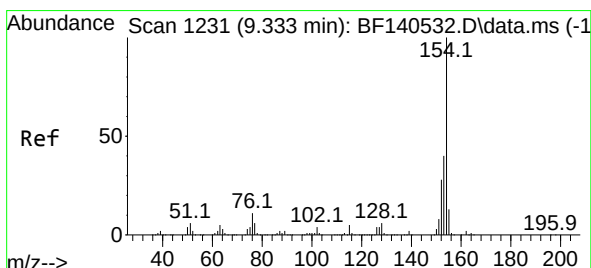
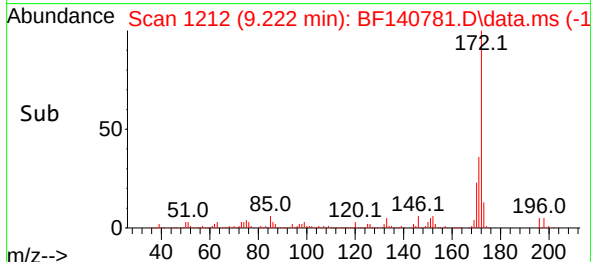
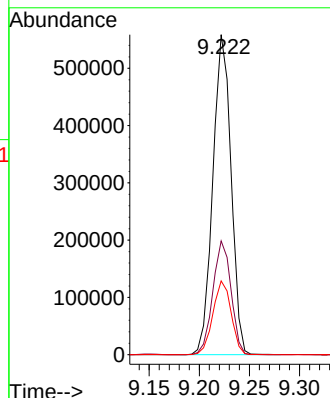
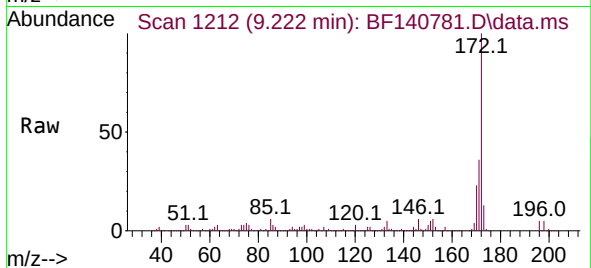
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.4	42.6
170	23.1	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#46

1,1'-Biphenyl

Concen: 56.806 ng

RT: 9.328 min Scan# 1230

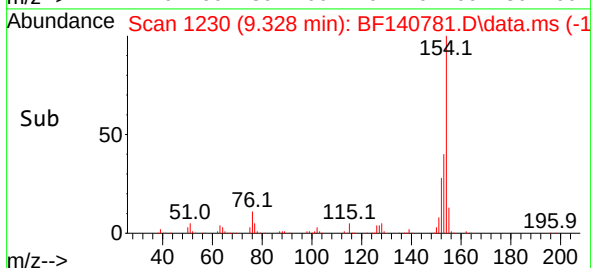
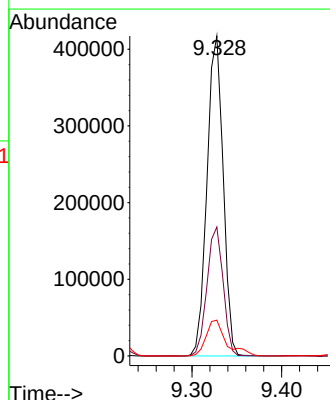
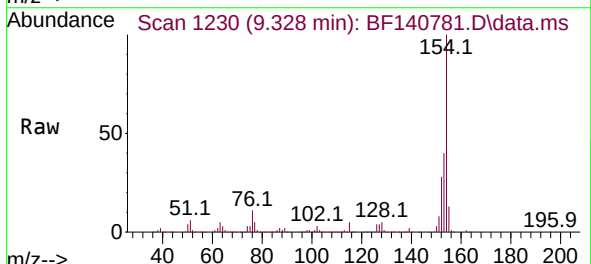
Delta R.T. -0.006 min

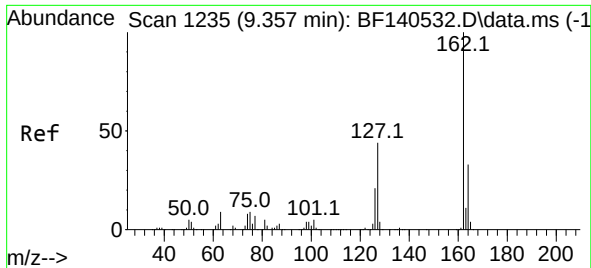
Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:154 Resp: 521334

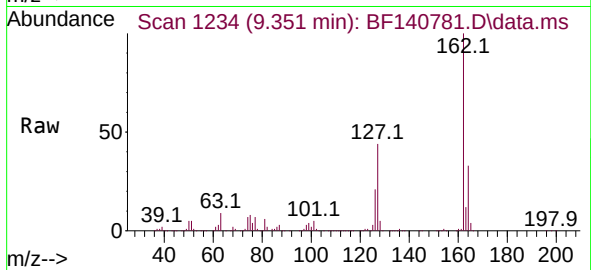
Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	11.2	0.0	31.2





#47
2-Chloronaphthalene
Concen: 53.566 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

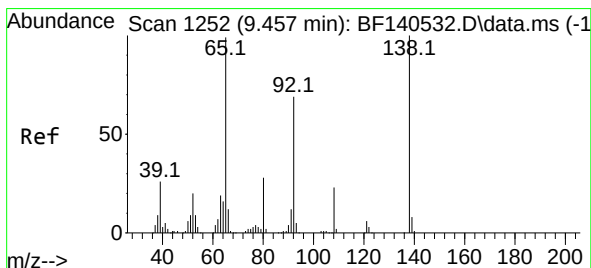
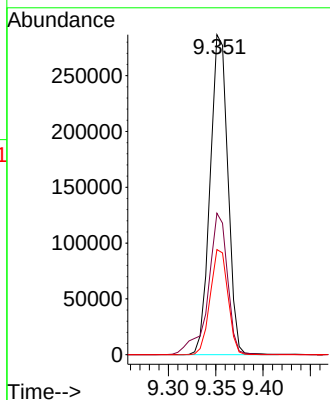
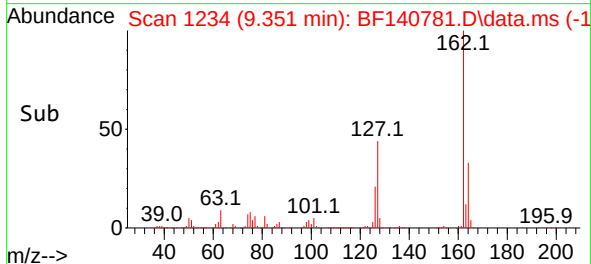
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:162 Resp: 372490
Ion Ratio Lower Upper
162 100
127 44.2 35.7 53.5
164 32.8 26.1 39.1

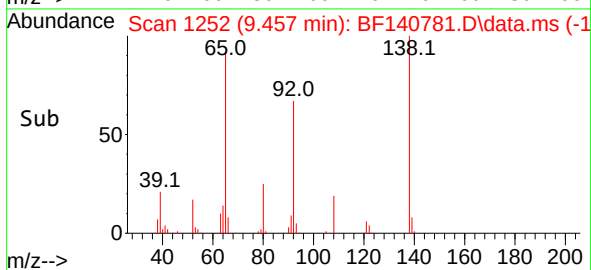
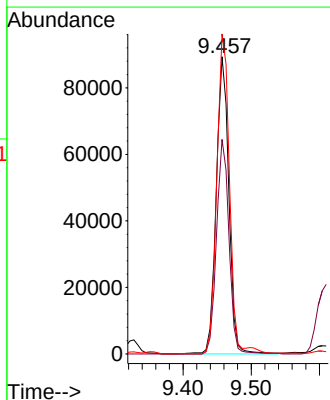
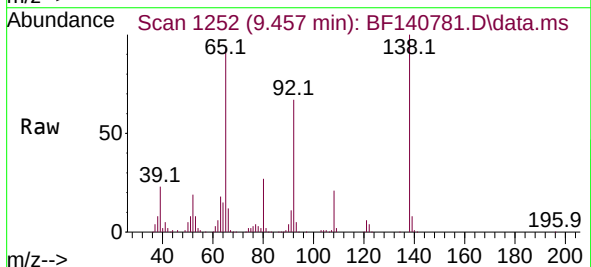
Manual Integrations
APPROVED

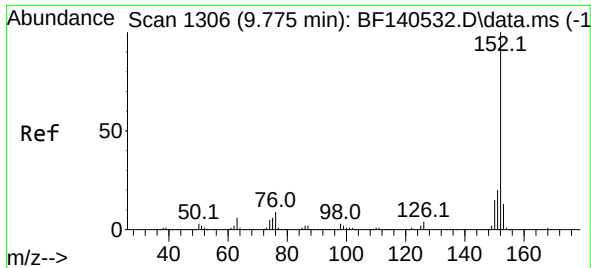
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#48
2-Nitroaniline
Concen: 51.490 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

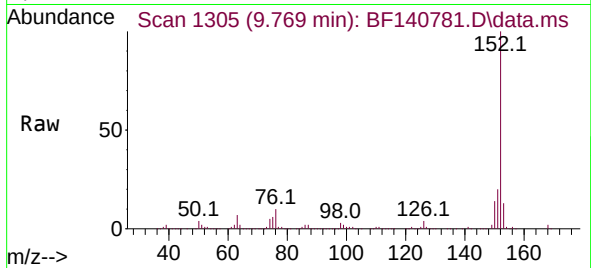
Tgt Ion: 65 Resp: 114930
Ion Ratio Lower Upper
65 100
92 72.2 56.1 84.1
138 107.6 81.0 121.6





#49
Acenaphthylene
Concen: 57.874 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

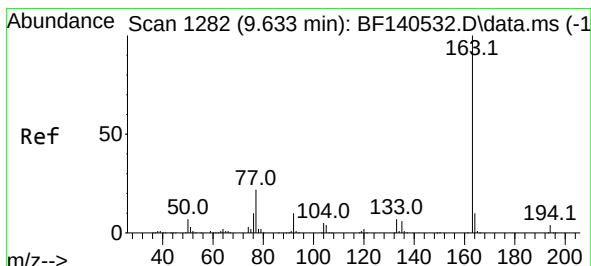
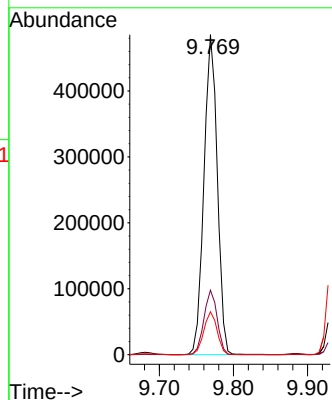
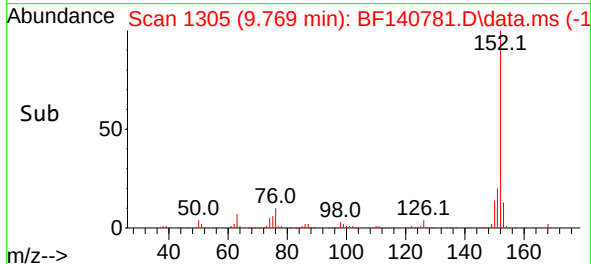
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



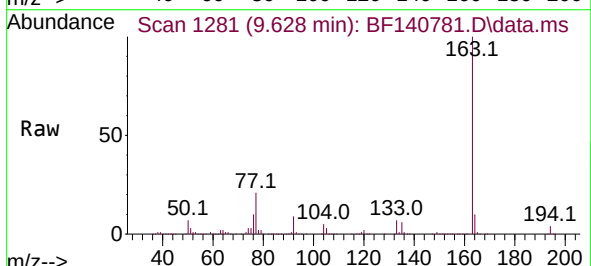
Tgt Ion:152 Resp: 60808
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.4 10.6 16.0

Manual Integrations
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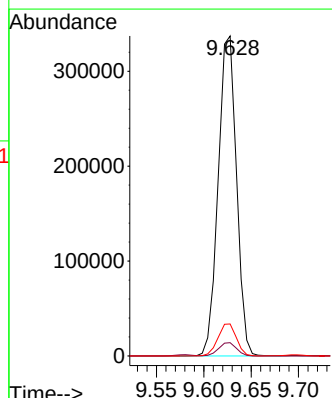
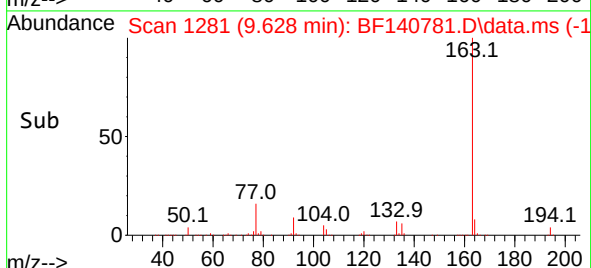
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

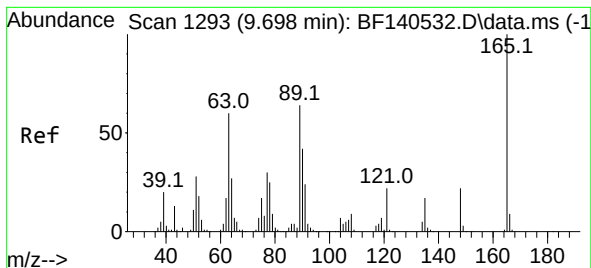


#50
Dimethylphthalate
Concen: 56.160 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



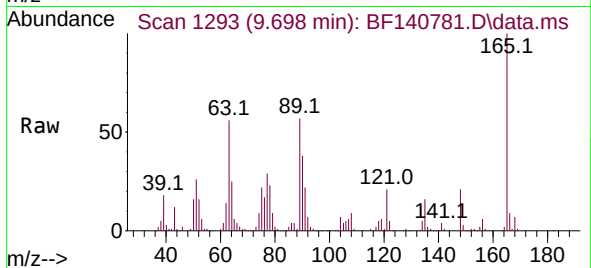
Tgt Ion:163 Resp: 454648
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.055 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

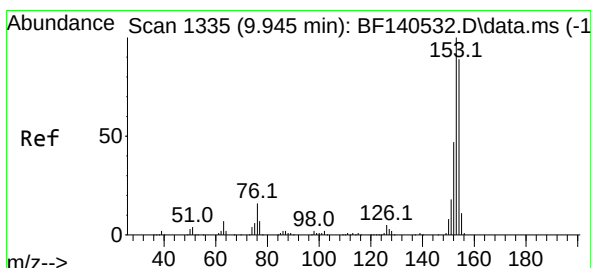
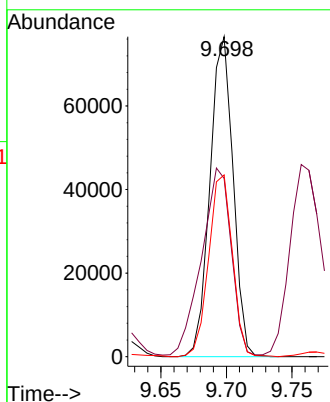
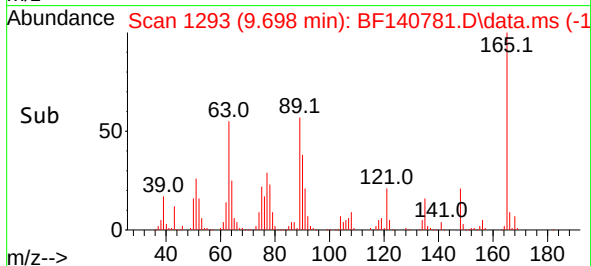
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:165 Resp: 93739
Ion Ratio Lower Upper
165 100
63 55.7 49.9 74.9
89 56.8 50.9 76.3

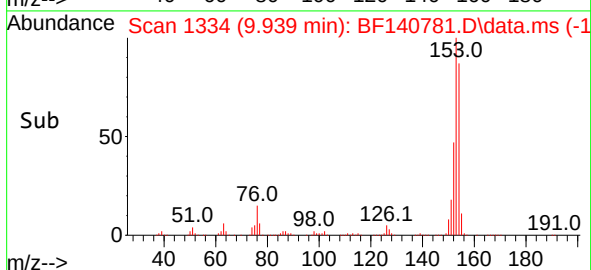
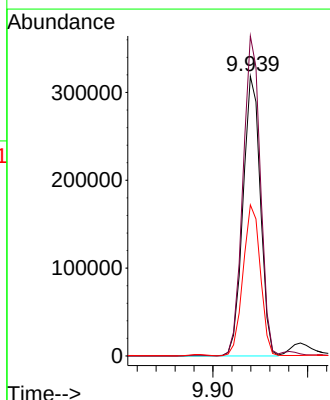
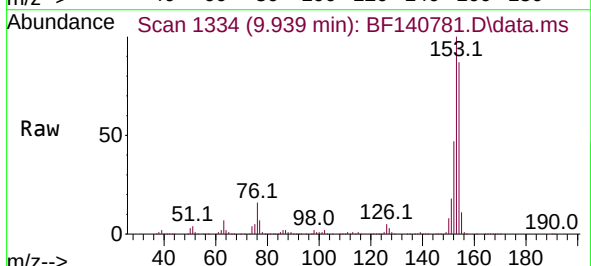
Manual Integrations
APPROVED

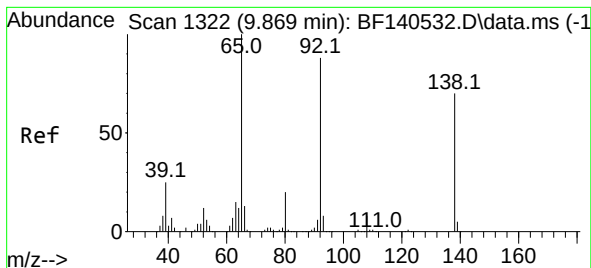
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#52
Acenaphthene
Concen: 60.804 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:154 Resp: 405927
Ion Ratio Lower Upper
154 100
153 114.4 89.7 134.5
152 54.0 42.5 63.7





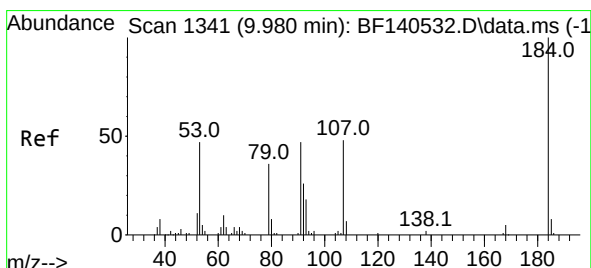
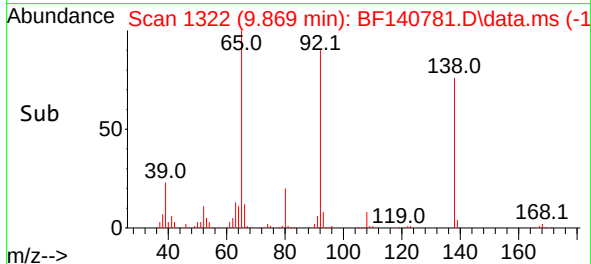
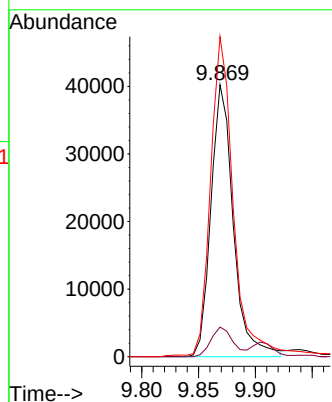
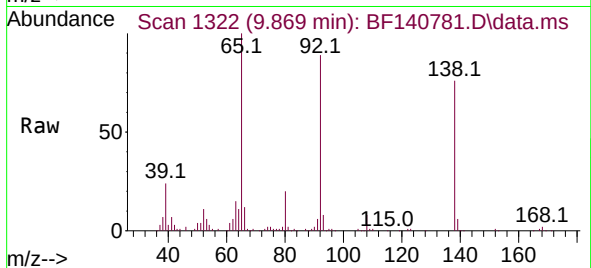
#53
3-Nitroaniline
Concen: 30.729 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:138 Resp: 5518
Ion Ratio Lower Upper
138 100
108 10.9 9.2 13.8
92 117.7 100.6 150.8

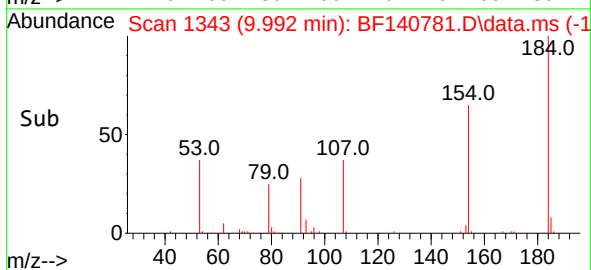
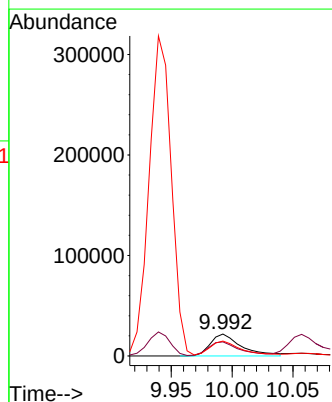
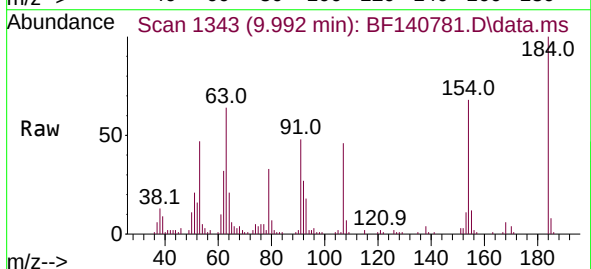
Manual Integrations
APPROVED

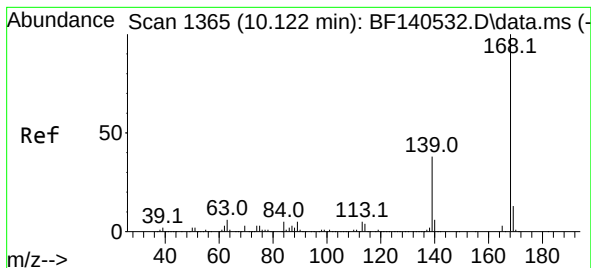
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#54
2,4-Dinitrophenol
Concen: 44.398 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:184 Resp: 38548
Ion Ratio Lower Upper
184 100
63 64.3 54.1 81.1
154 67.8 57.4 86.0





#55

Dibenzenofuran

Concen: 55.795 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:168 Resp: 56816

Ion Ratio Lower Upper

168 100

139 39.3 31.3 46.9

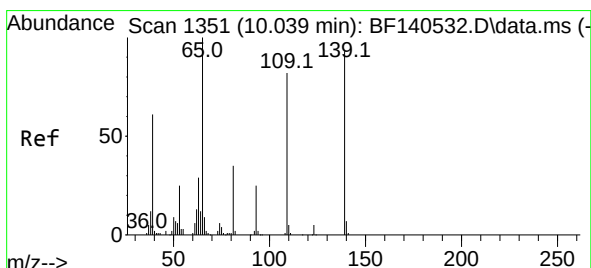
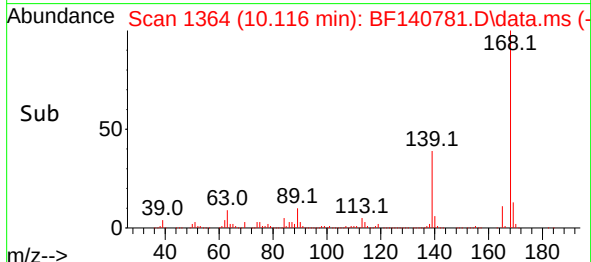
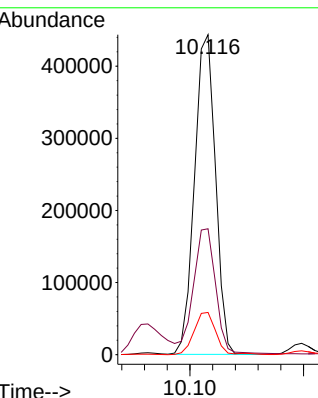
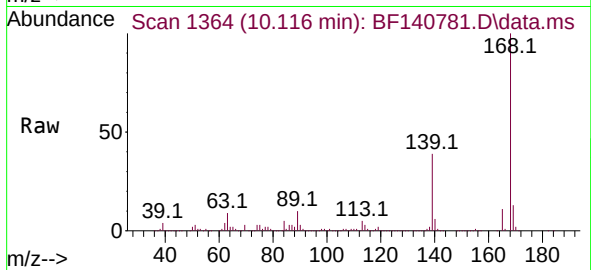
169 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#56

4-Nitrophenol

Concen: 65.378 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.024 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

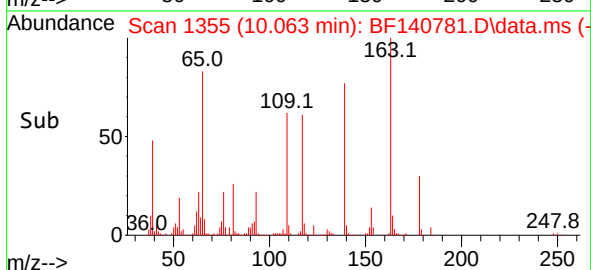
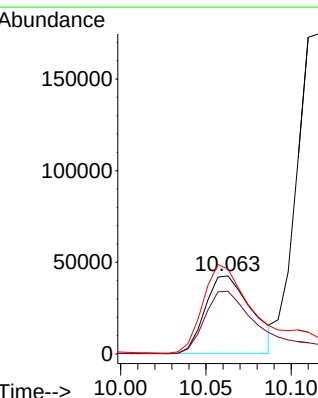
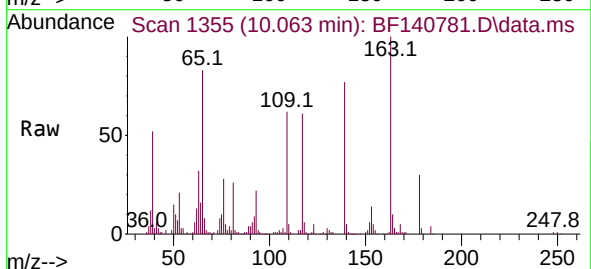
Tgt Ion:139 Resp: 80067

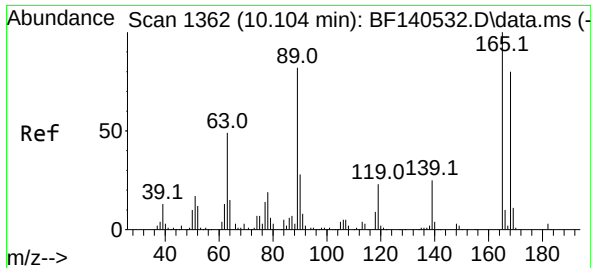
Ion Ratio Lower Upper

139 100

109 80.4 68.4 108.4

65 108.4 88.6 128.6





#57
2,4-Dinitrotoluene
Concen: 47.681 ng
RT: 10.104 min Scan# 11634
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

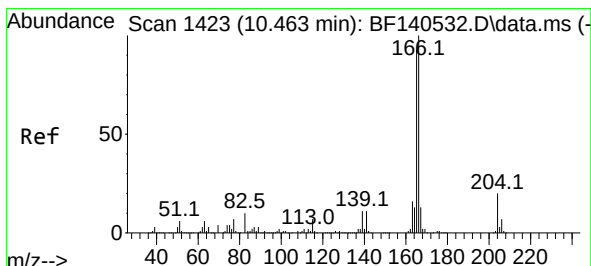
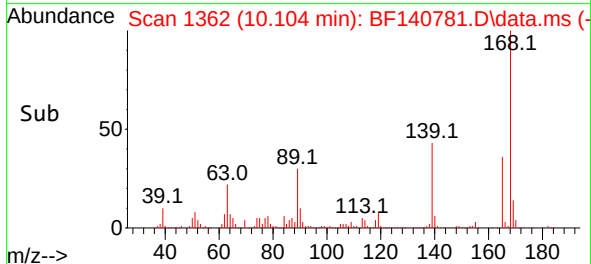
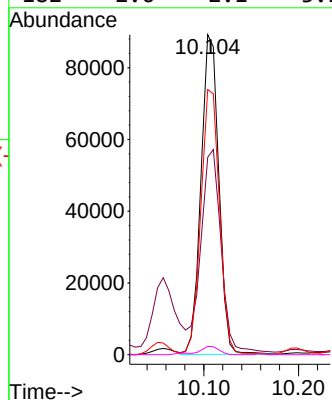
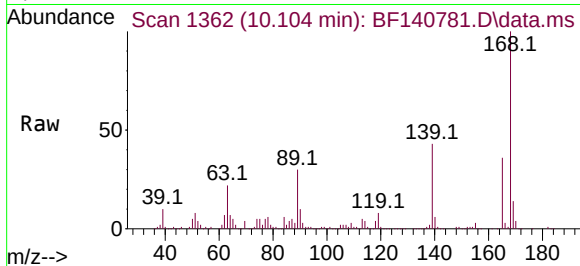
10TH-ST-SOILMSD

Tgt Ion:165 Resp: 11634
Ion Ratio Lower Upper
165 100
63 61.7 41.7 62.5
89 82.8 65.8 98.8
182 2.6 2.1 3.1

Manual Integrations

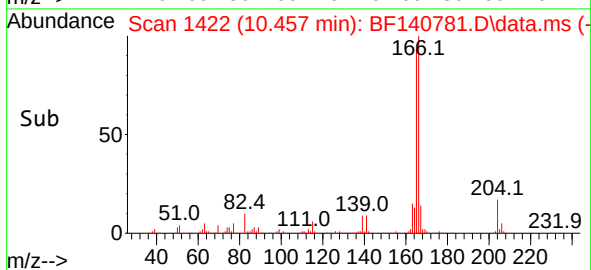
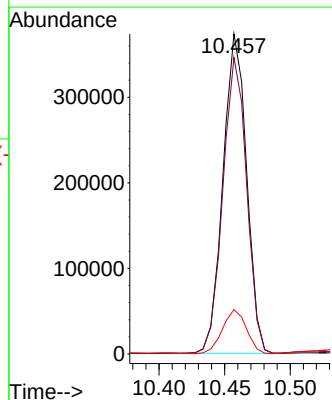
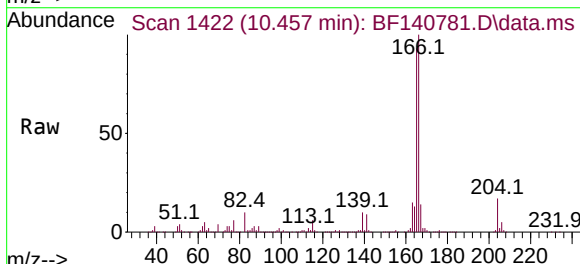
APPROVED

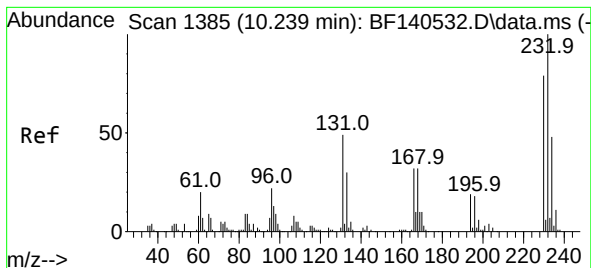
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#58
Fluorene
Concen: 57.095 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

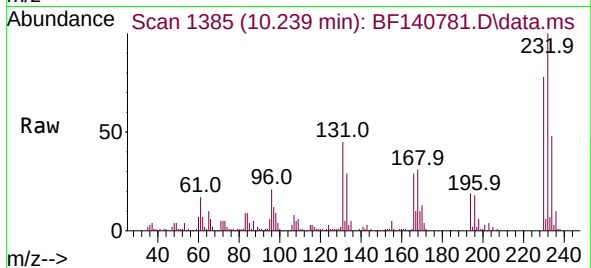
Tgt Ion:166 Resp: 466679
Ion Ratio Lower Upper
166 100
165 92.7 74.6 111.8
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.644 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

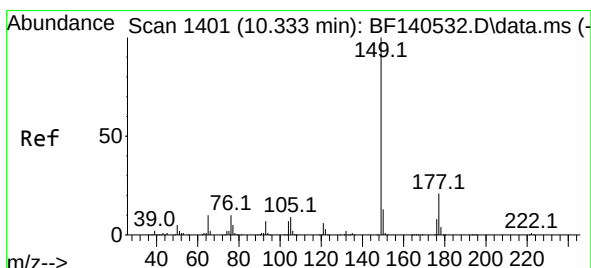
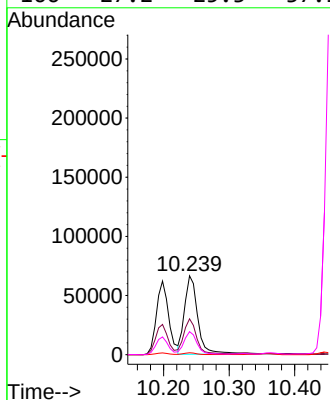
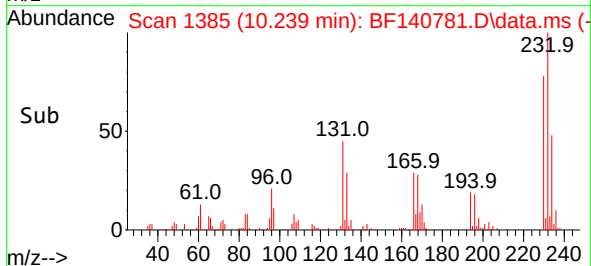
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



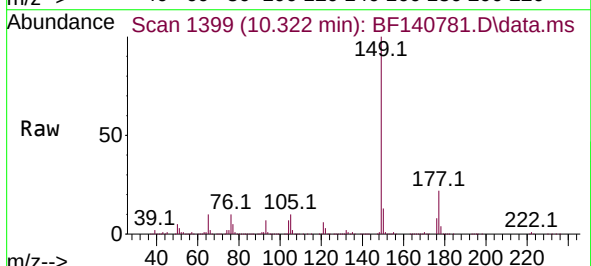
Tgt Ion:232 Resp: 93499
Ion Ratio Lower Upper
232 100
131 45.2 39.6 59.4
130 2.1 1.9 2.9
166 27.2 25.3 37.9

Manual Integrations
APPROVED

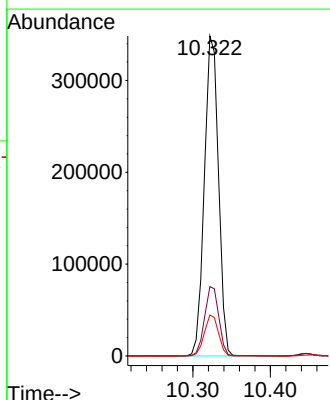
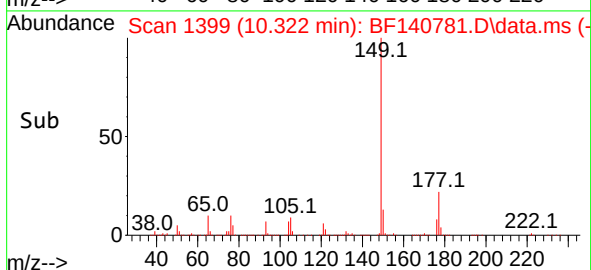
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024

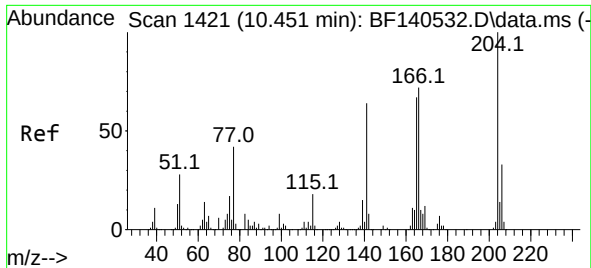


#60
Diethylphthalate
Concen: 53.602 ng
RT: 10.322 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36



Tgt Ion:149 Resp: 440889
Ion Ratio Lower Upper
149 100
177 21.6 17.1 25.7
150 12.8 10.1 15.1





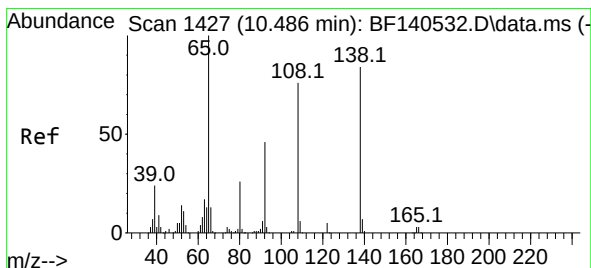
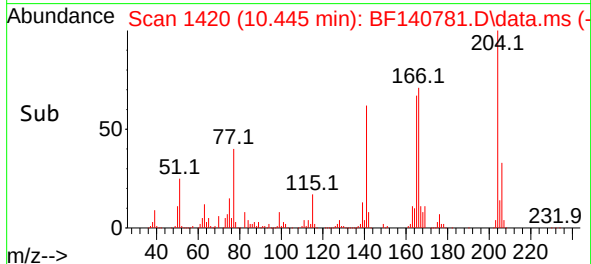
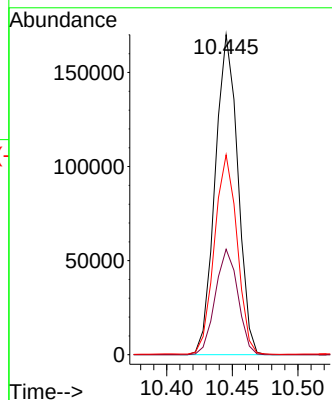
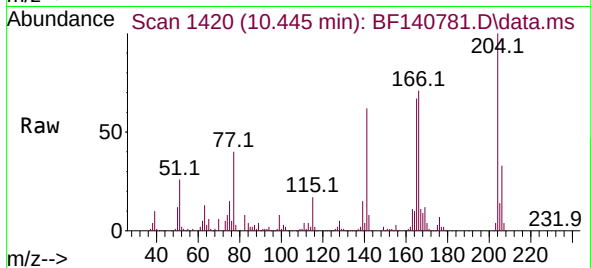
#61
4-Chlorophenyl-phenylether
Concen: 50.948 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:204 Resp: 20436
Ion Ratio Lower Upper
204 100
206 33.0 26.6 40.0
141 62.5 51.1 76.7

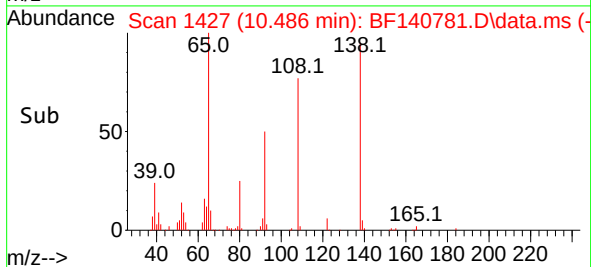
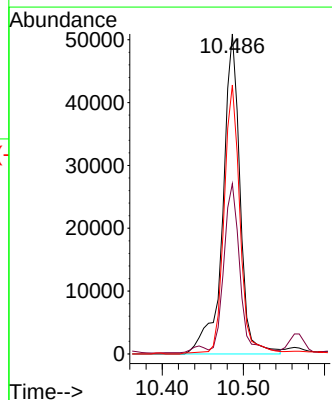
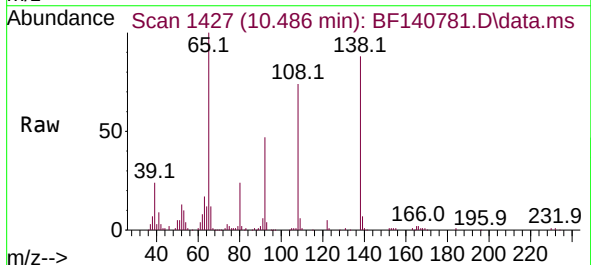
Manual Integrations
APPROVED

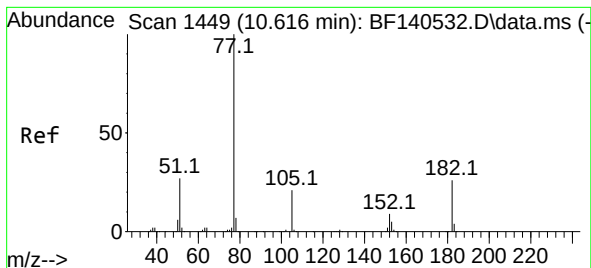
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#62
4-Nitroaniline
Concen: 40.079 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:138 Resp: 75484
Ion Ratio Lower Upper
138 100
92 53.2 34.5 74.5
108 84.1 70.6 110.6





#63

Azobenzene

Concen: 53.587 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF140781.D

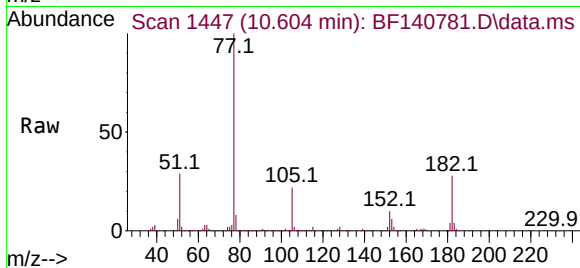
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



Tgt Ion: 77 Resp: 41740

Ion Ratio Lower Upper

77 100

182 28.1 5.3 45.3

105 22.3 0.3 40.3

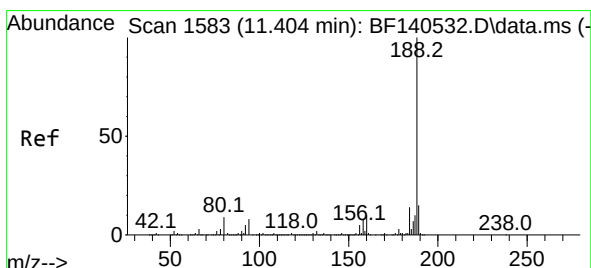
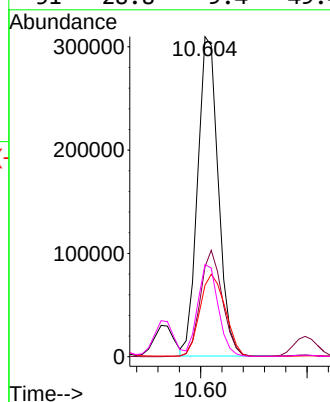
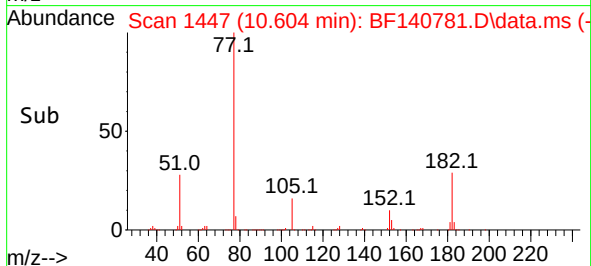
51 28.8 9.4 49.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

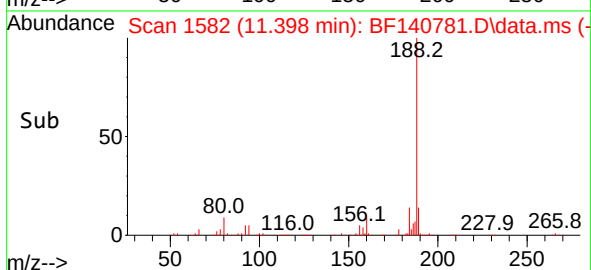
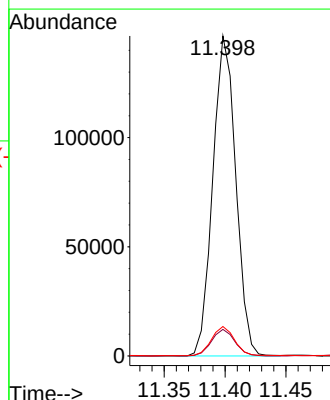
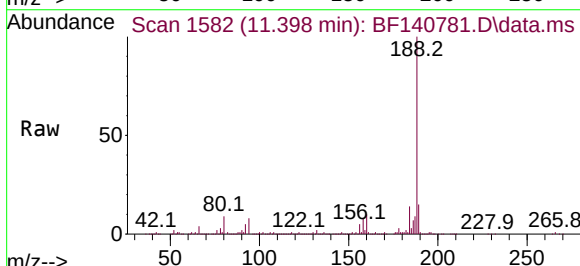
Tgt Ion:188 Resp: 192178

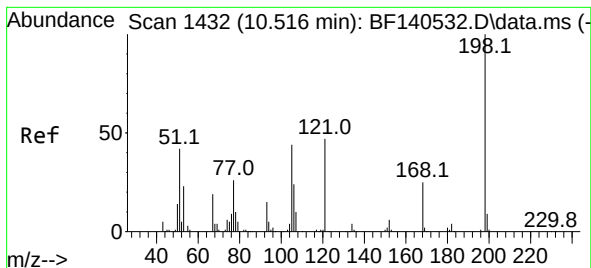
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.2 6.9 10.3





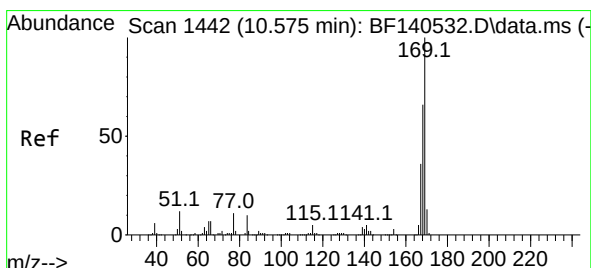
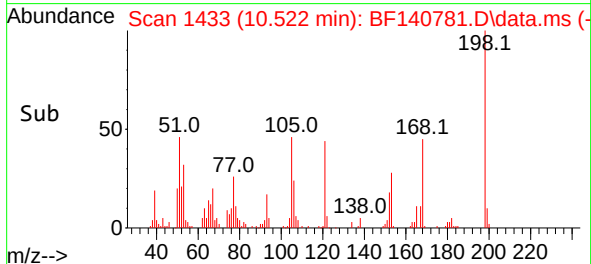
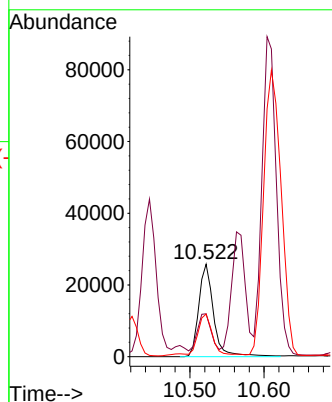
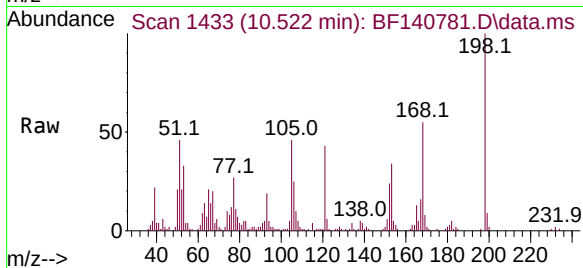
#65
4,6-Dinitro-2-methylphenol
Concen: 36.652 ng
RT: 10.522 min Scan# 1432
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:198 Resp: 35994
Ion Ratio Lower Upper
198 100
51 46.4 29.4 69.4
105 46.1 25.4 65.4

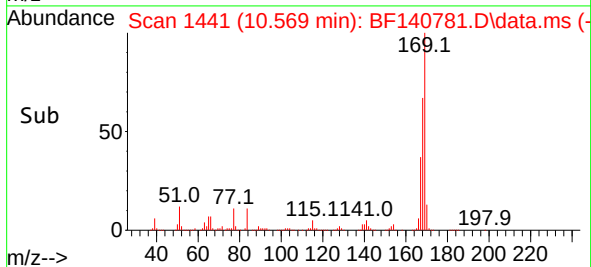
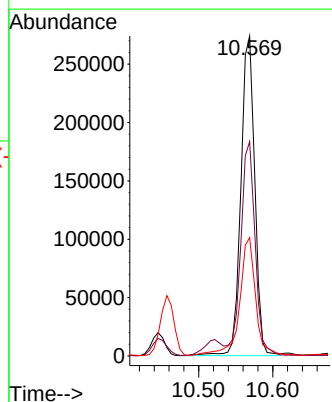
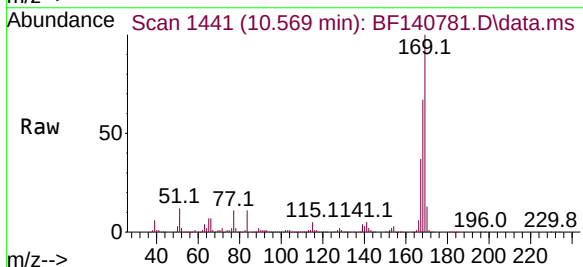
Manual Integrations
APPROVED

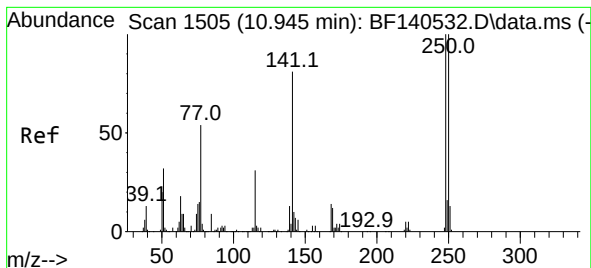
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#66
n-Nitrosodiphenylamine
Concen: 62.607 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

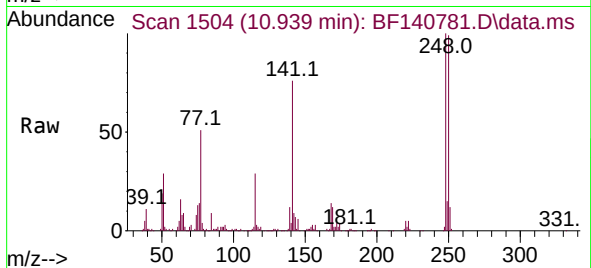
Tgt Ion:169 Resp: 355806
Ion Ratio Lower Upper
169 100
168 67.0 53.2 79.8
167 37.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 58.087 ng
RT: 10.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

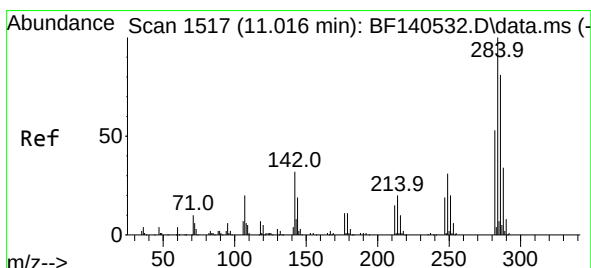
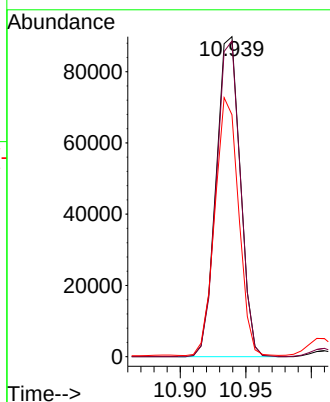
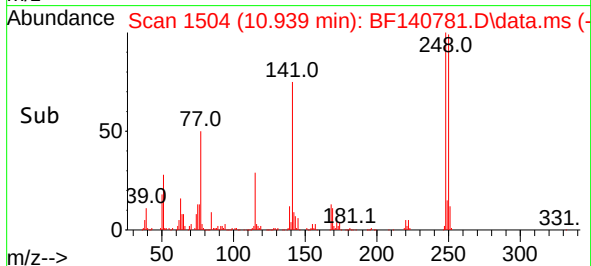
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:248 Resp: 11496
Ion Ratio Lower Upper
248 100
250 98.6 79.8 119.8
141 75.6 64.7 97.1

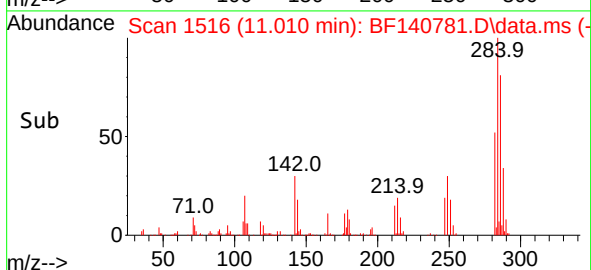
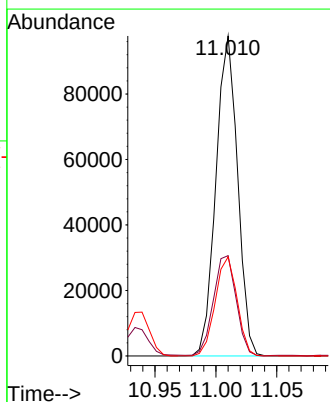
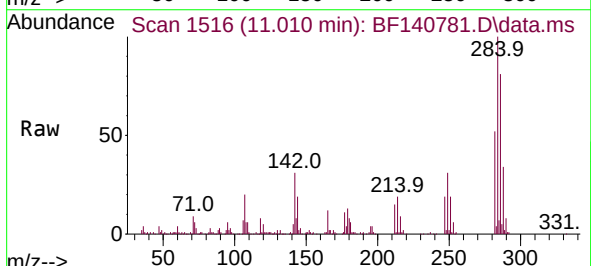
Manual Integrations
APPROVED

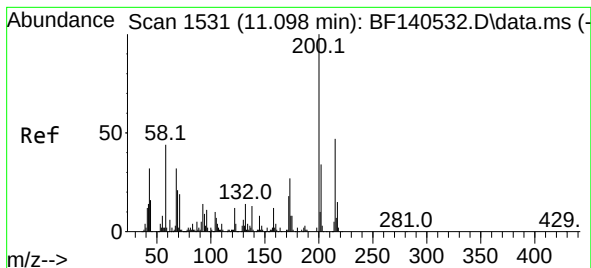
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#68
Hexachlorobenzene
Concen: 52.748 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:284 Resp: 120880
Ion Ratio Lower Upper
284 100
142 31.4 25.3 37.9
249 30.9 24.8 37.2





#69

Atrazine

Concen: 65.209 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF140781.D

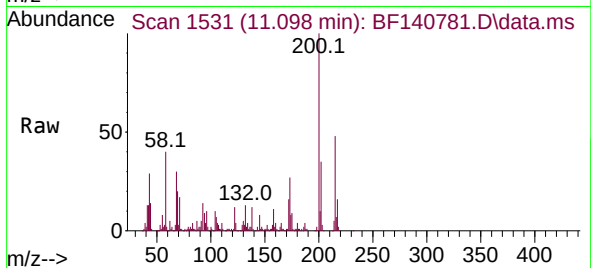
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



Tgt Ion:200 Resp: 104250

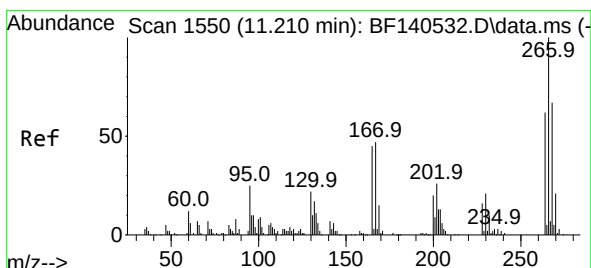
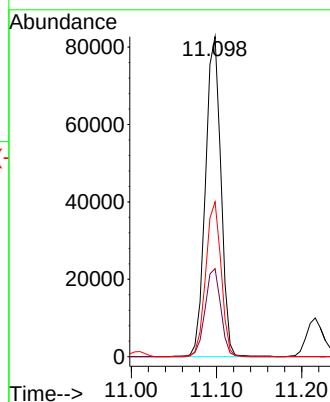
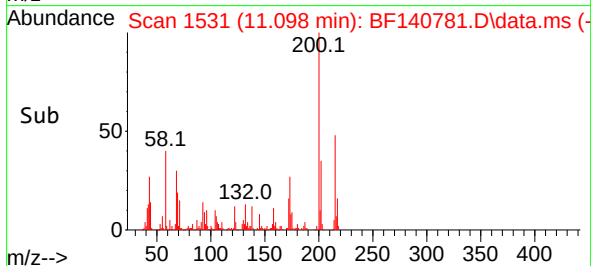
Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	48.4	26.7	66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#70

Pentachlorophenol

Concen: 84.757 ng

RT: 11.216 min Scan# 1551

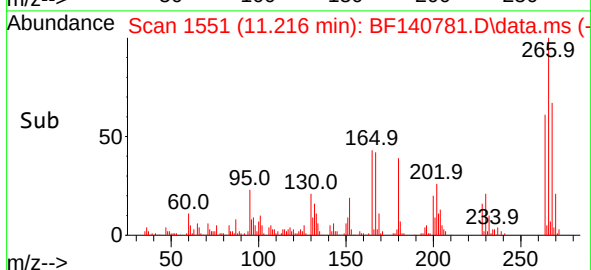
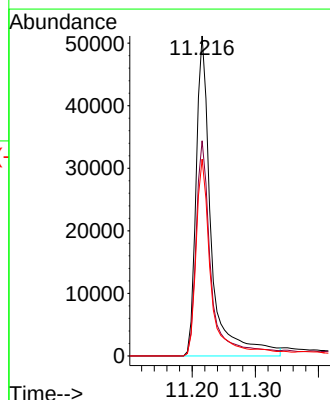
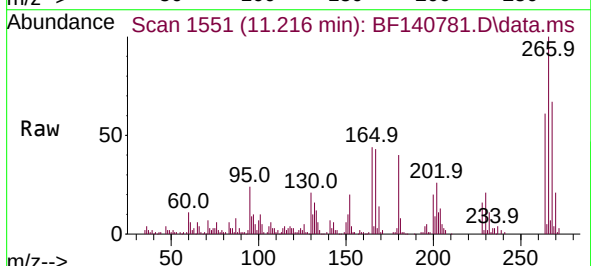
Delta R.T. 0.006 min

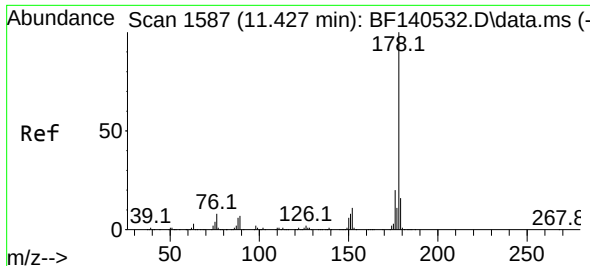
Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:266 Resp: 85487

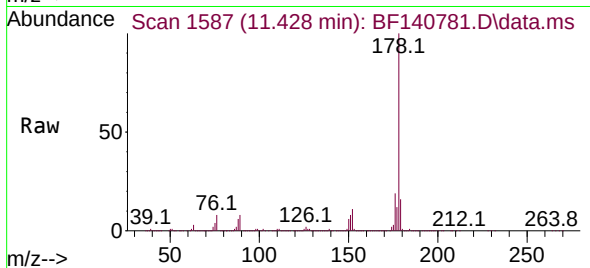
Ion	Ratio	Lower	Upper
266	100		
268	67.3	53.7	80.5
264	61.5	49.8	74.8





#71
Phenanthrene
Concen: 147.338 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

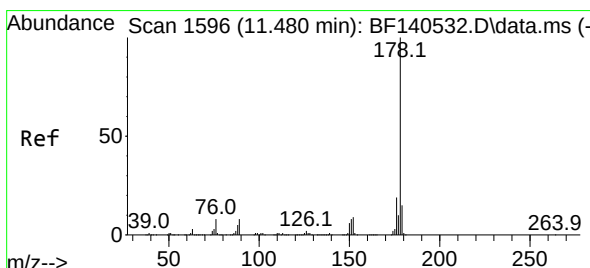
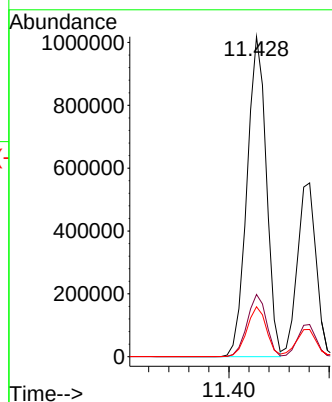
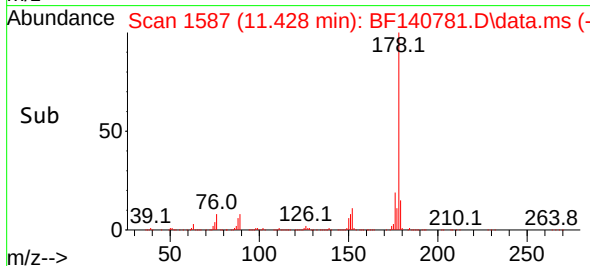
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:178 Resp: 1361079
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.6 12.4 18.6

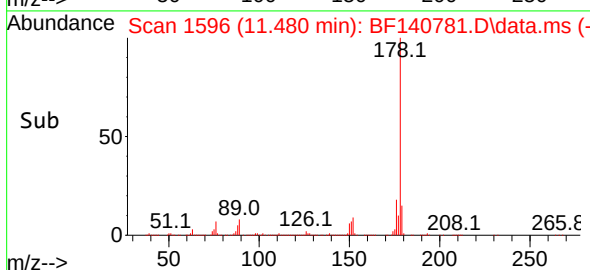
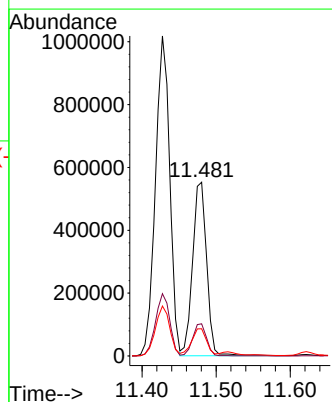
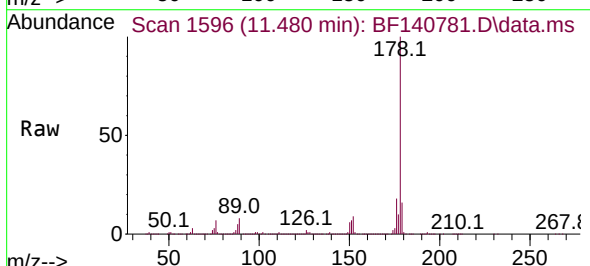
Manual Integrations
APPROVED

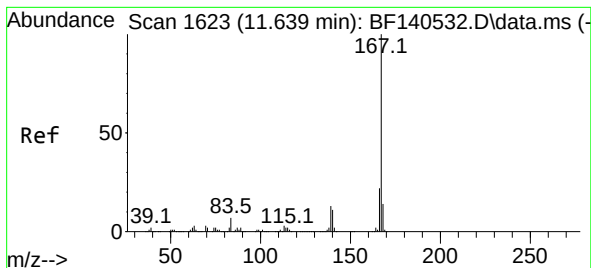
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#72
Anthracene
Concen: 80.235 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:178 Resp: 725029
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.6 12.2 18.4





#73

Carbazole

Concen: 61.586 ng

RT: 11.639 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BF140781.D

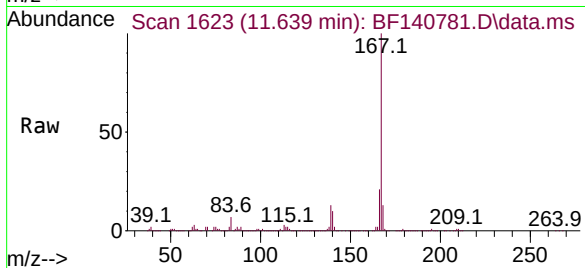
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD



Tgt Ion:167 Resp: 535369

Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

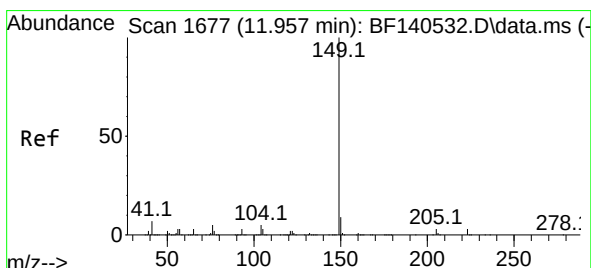
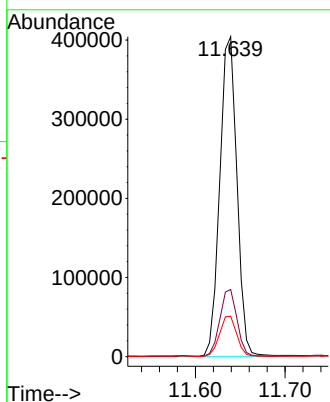
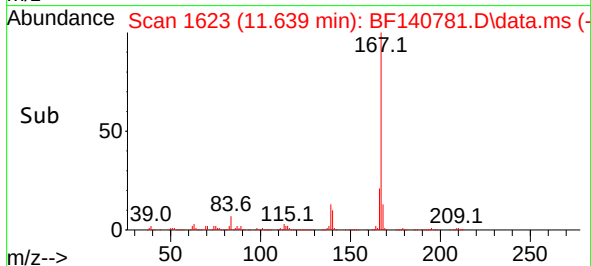
139 12.7 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#74

Di-n-butylphthalate

Concen: 60.141 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

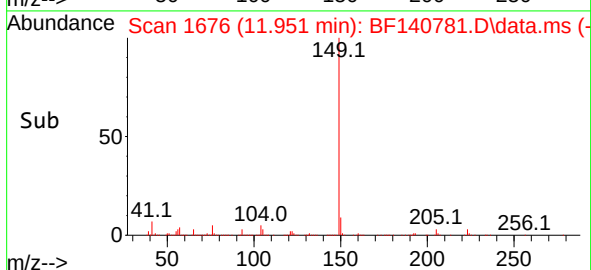
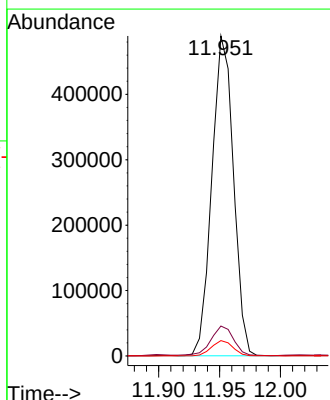
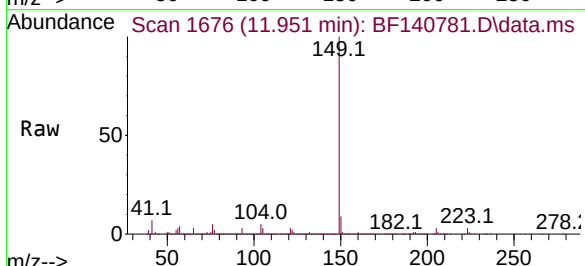
Tgt Ion:149 Resp: 603579

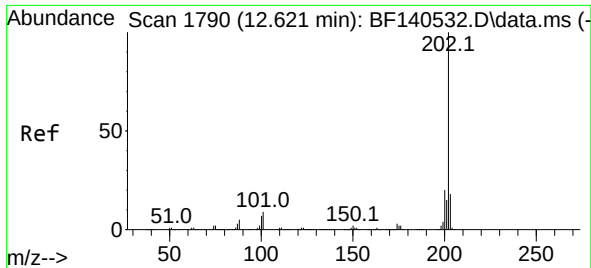
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

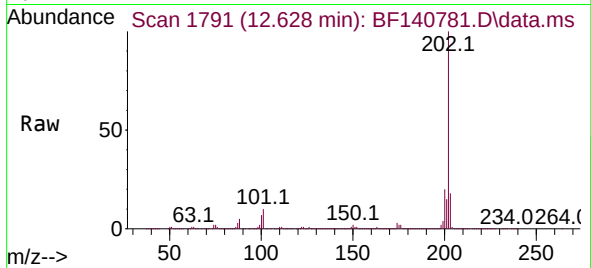
104 4.8 4.1 6.1





#75
Fluoranthene
Concen: 166.496 ng
RT: 12.628 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

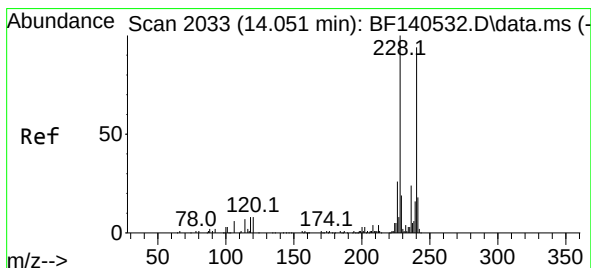
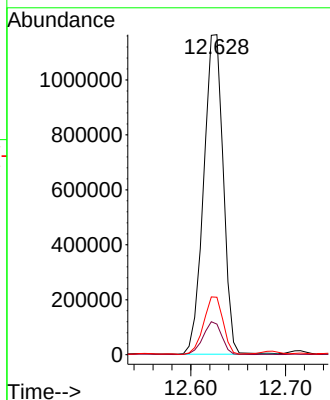
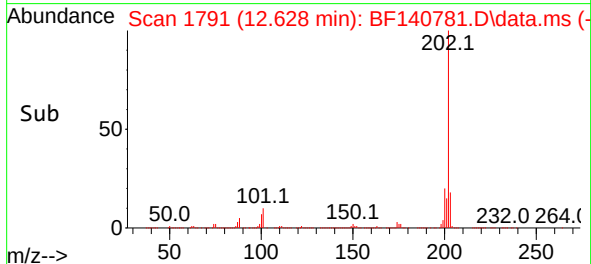
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:202 Resp: 1669940
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.9
203 18.0 0.0 37.6

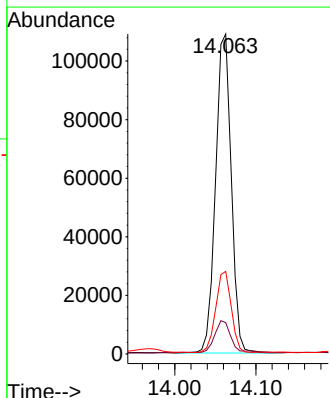
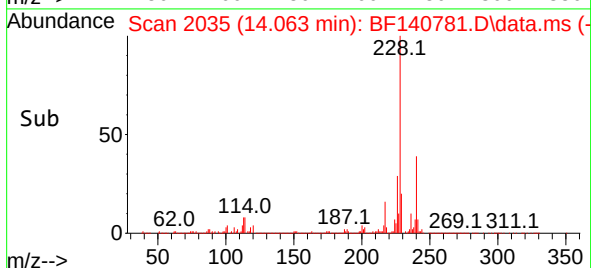
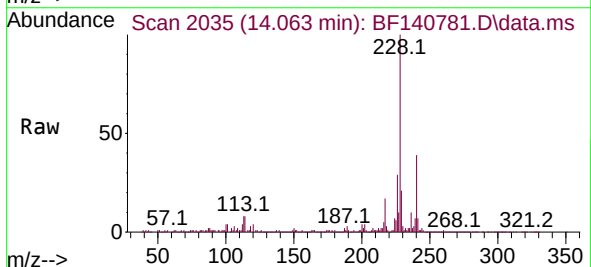
Manual Integrations
APPROVED

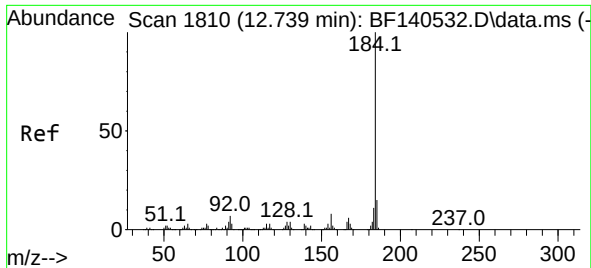
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

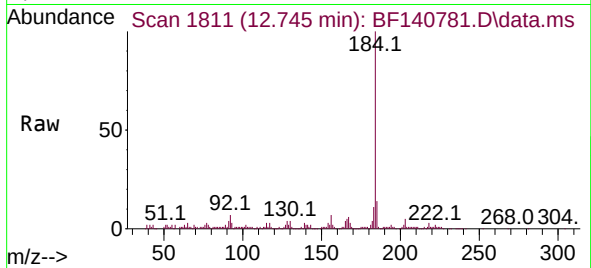
Tgt Ion:240 Resp: 146775
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.8 20.6 31.0





#77
Benzidine
Concen: 40.142 ng
RT: 12.745 min Scan# 1810
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

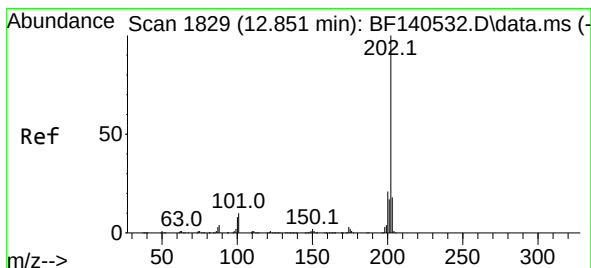
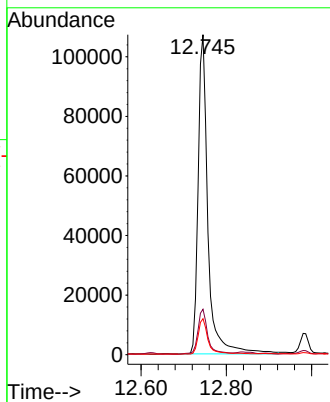
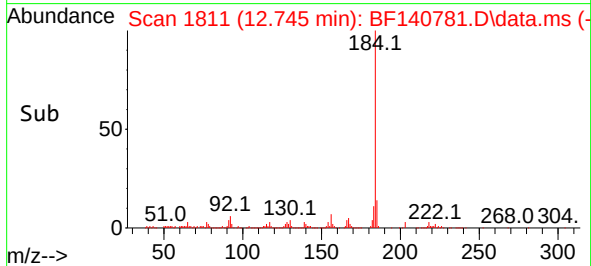
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD



Tgt Ion:184 Resp: 171302
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 11.3 8.8 13.2

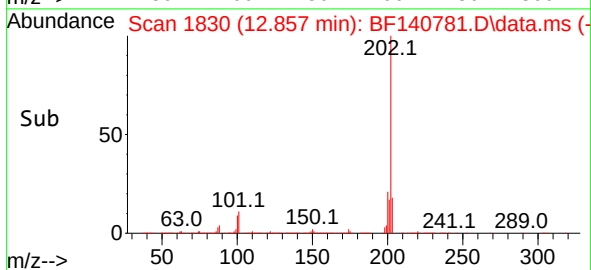
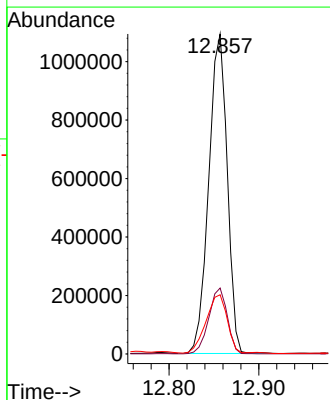
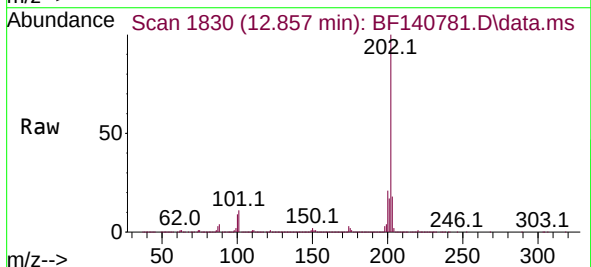
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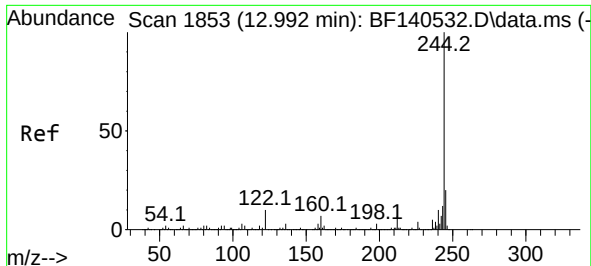
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#78
Pyrene
Concen: 115.139 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:202 Resp: 1562572
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.5 14.2 21.4





#79
 Terphenyl-d14
 Concen: 66.098 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF140781.D
 Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

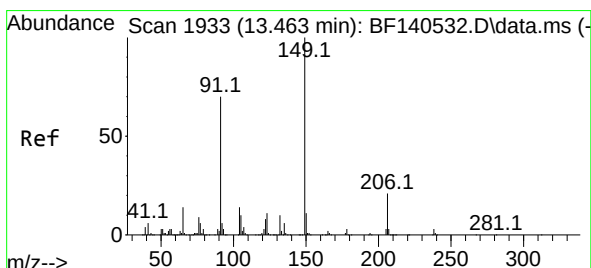
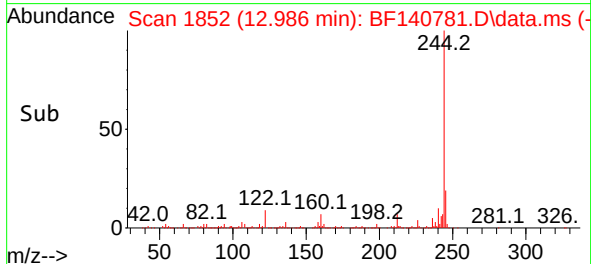
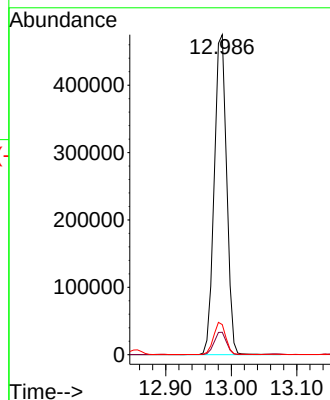
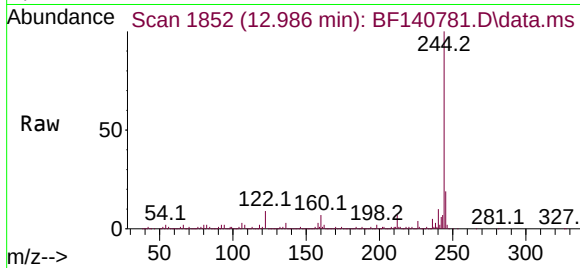
ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:244 Resp: 62303
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 9.4 8.0 12.0

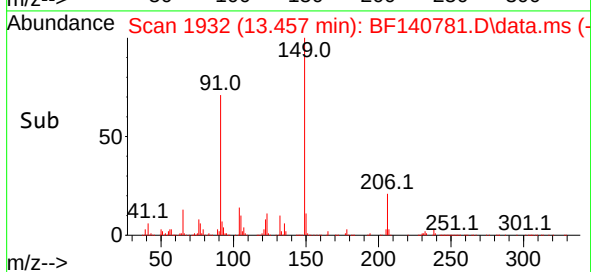
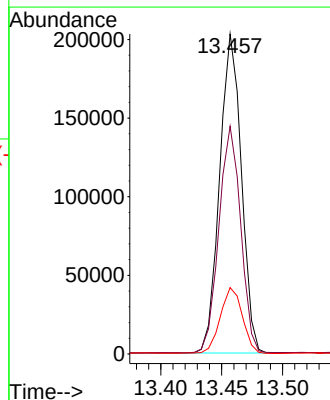
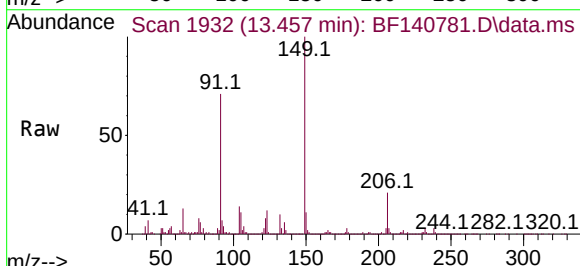
Manual Integrations
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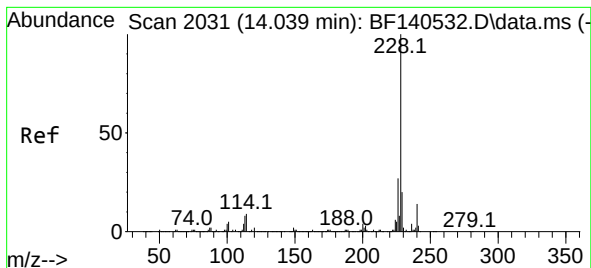
Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024



#80
 Butylbenzylphthalate
 Concen: 51.497 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BF140781.D
 Acq: 06 Dec 2024 21:36

Tgt Ion:149 Resp: 251764
 Ion Ratio Lower Upper
 149 100
 91 71.1 56.2 84.2
 206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 111.936 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:228 Resp: 108756

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

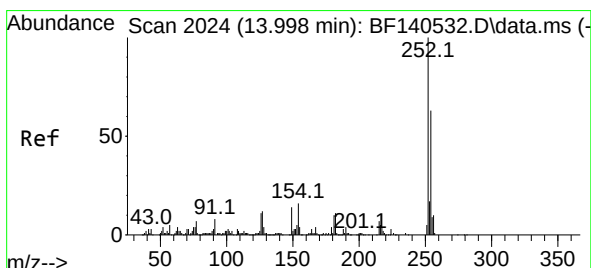
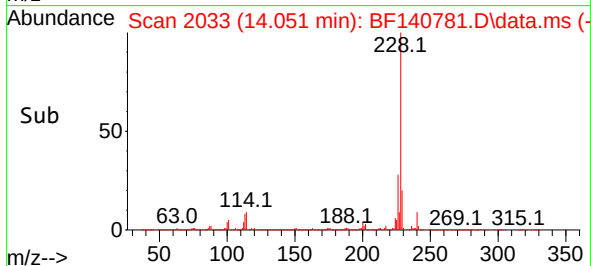
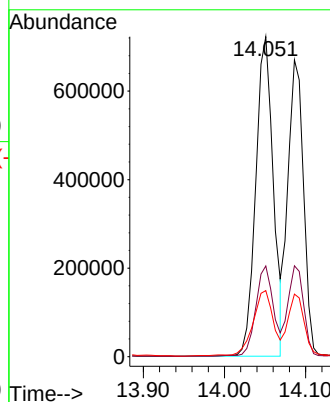
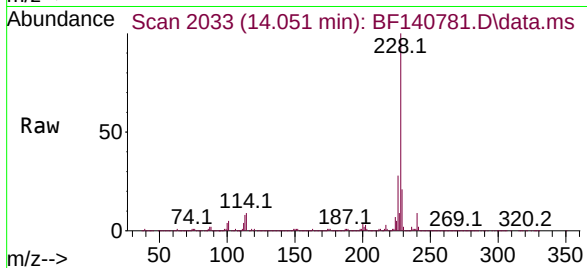
229 20.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#82

3,3'-Dichlorobenzidine

Concen: 40.390 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

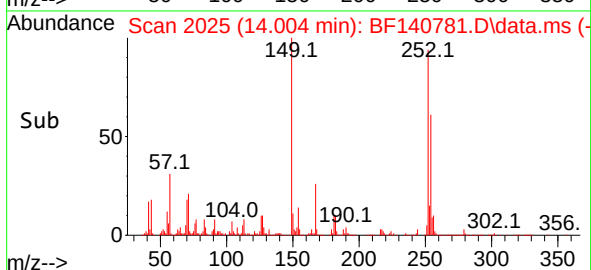
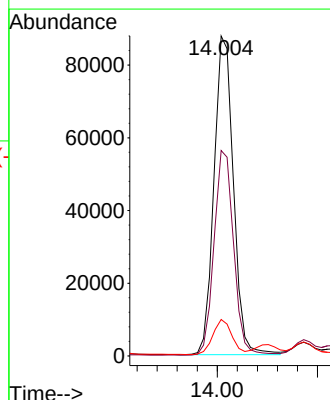
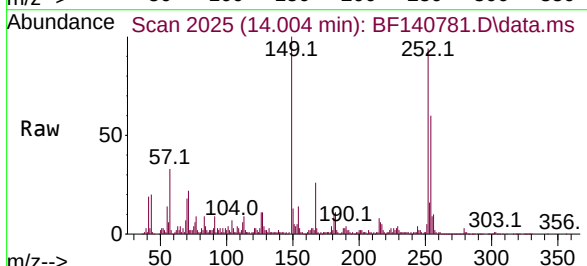
Tgt Ion:252 Resp: 117822

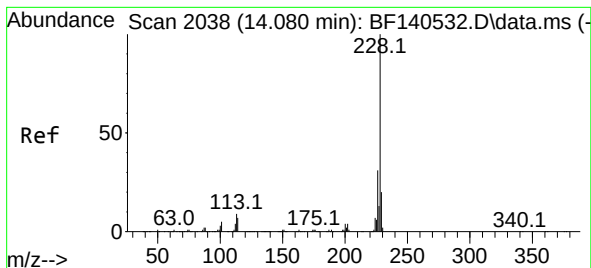
Ion Ratio Lower Upper

252 100

254 64.2 50.8 76.2

126 11.4 8.6 13.0





#83

Chrysene

Concen: 100.599 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

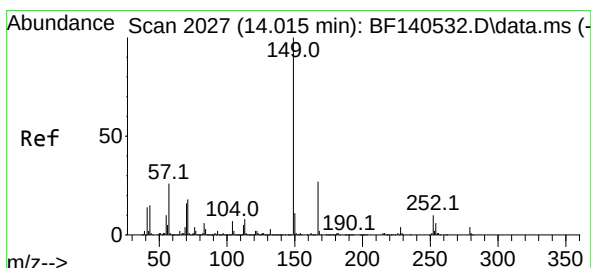
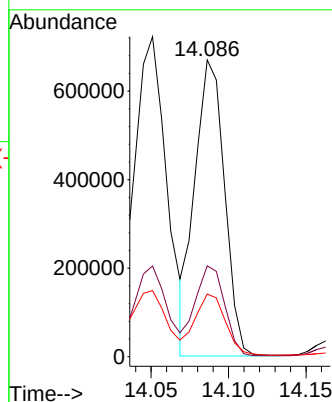
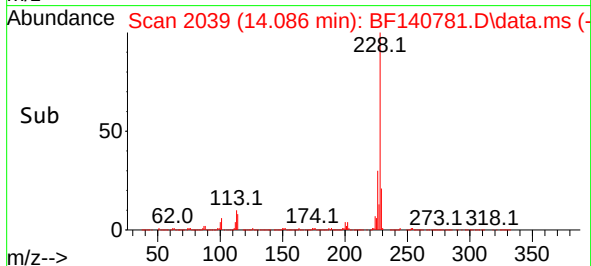
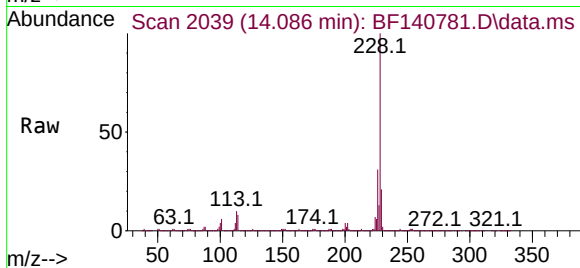
ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:228 Resp: 893733
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.4 36.6
 229 21.1 15.8 23.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.961 ng

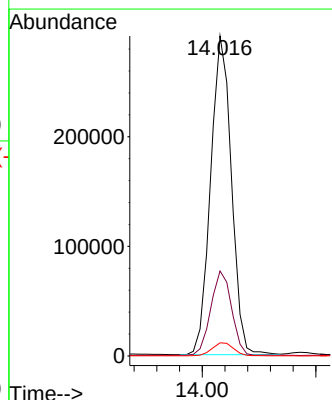
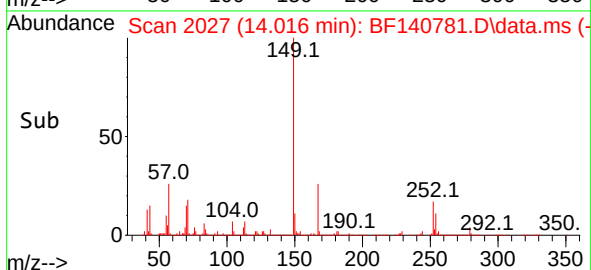
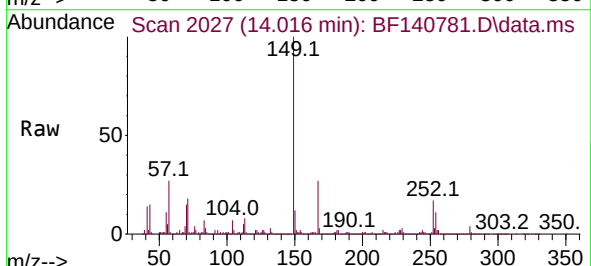
RT: 14.016 min Scan# 2027

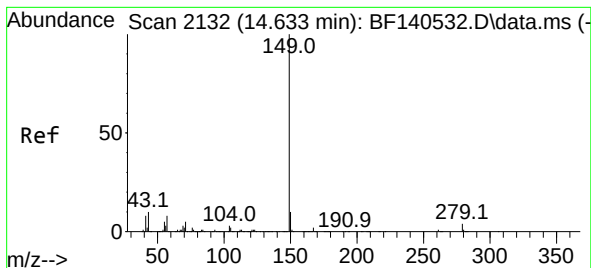
Delta R.T. 0.000 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Tgt Ion:149 Resp: 370155
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.2 31.8
 279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 73.794 ng

RT: 14.645 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

Tgt Ion:149 Resp: 622562

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

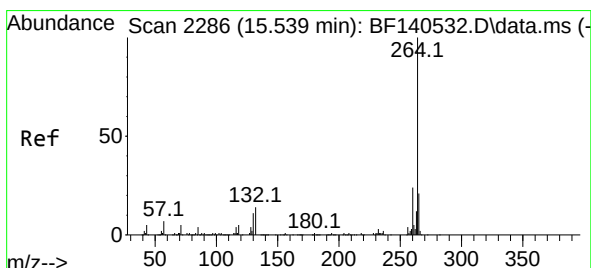
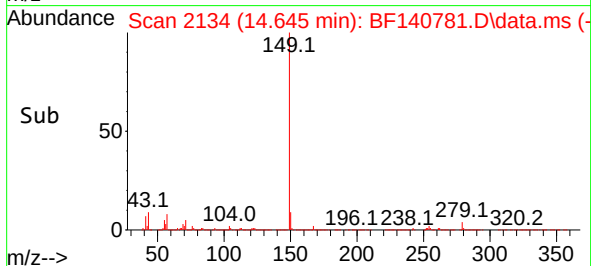
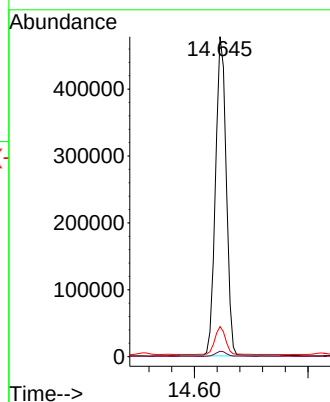
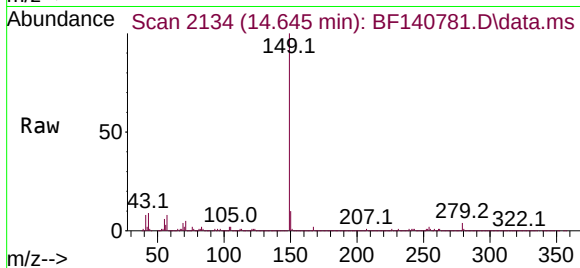
43 8.8 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024

Supervised By :mohammad ahmed 12/10/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2290

Delta R.T. 0.024 min

Lab File: BF140781.D

Acq: 06 Dec 2024 21:36

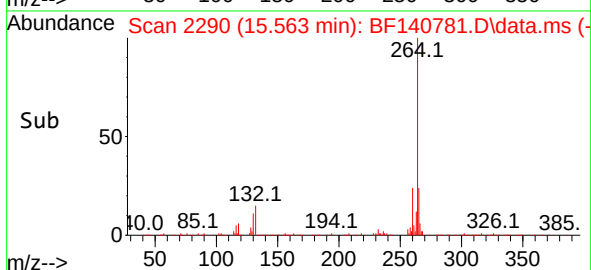
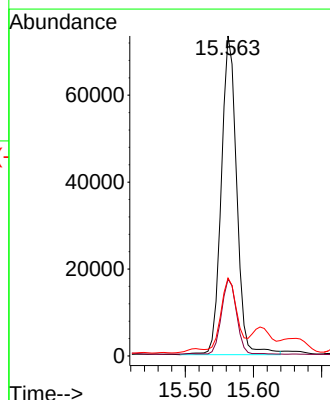
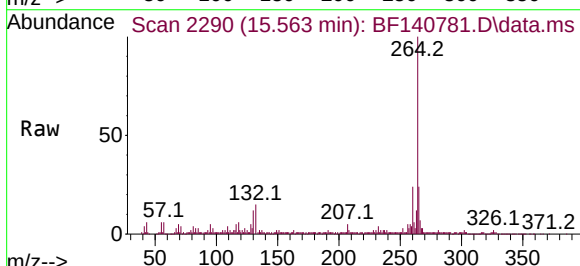
Tgt Ion:264 Resp: 115742

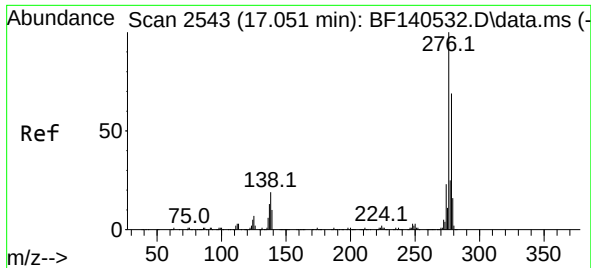
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 24.3 16.6 25.0





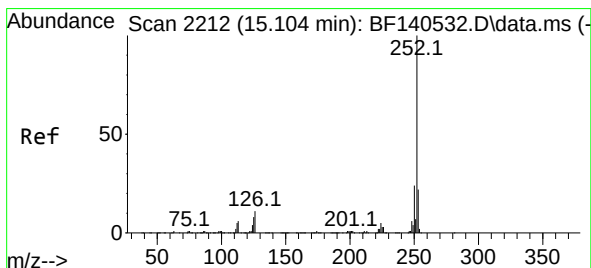
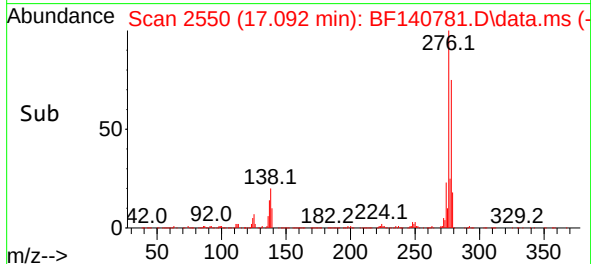
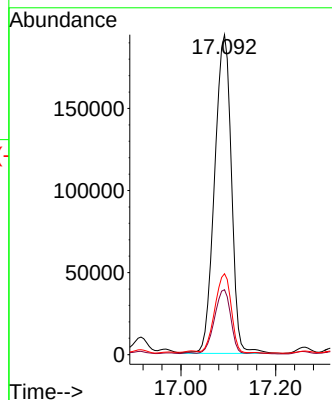
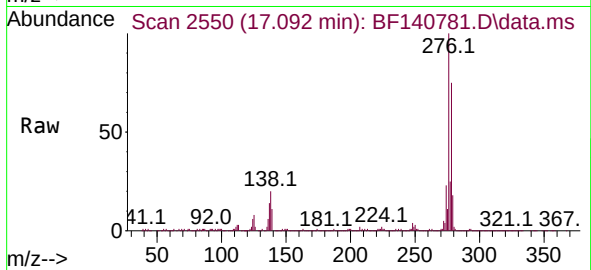
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.280 ng
RT: 17.092 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:276 Resp: 477308
Ion Ratio Lower Upper
276 100
138 19.0 15.5 23.3
277 24.4 20.1 30.1

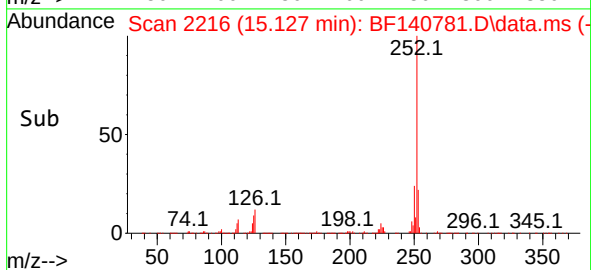
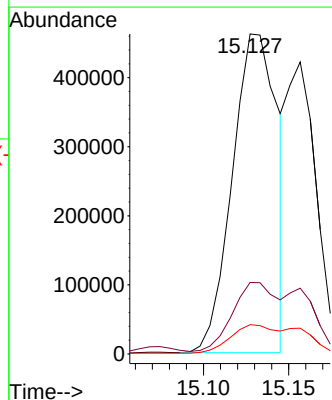
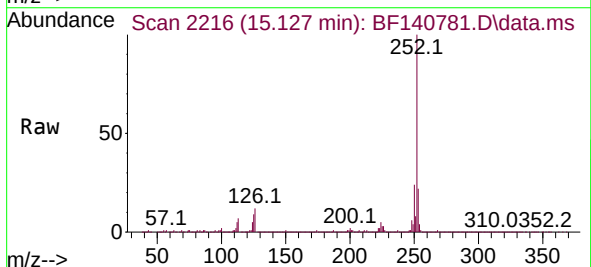
Manual Integrations
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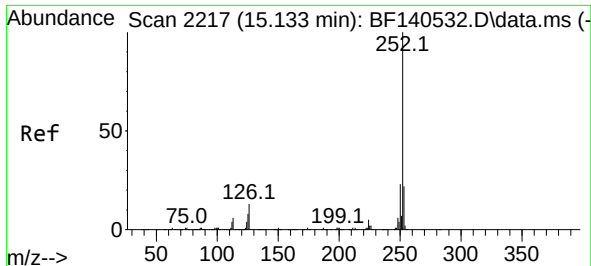
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#88
Benzo(b)fluoranthene
Concen: 116.733 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.024 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:252 Resp: 848638
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 9.1 6.7 10.1





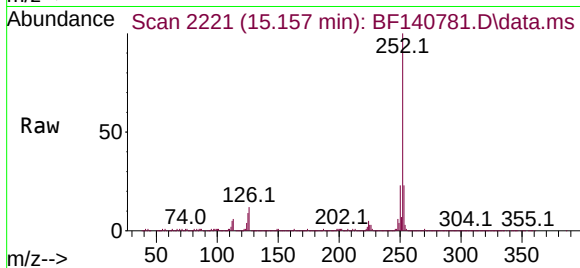
#89
Benzo(k)fluoranthene
Concen: 78.404 ng m
RT: 15.157 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILMSD

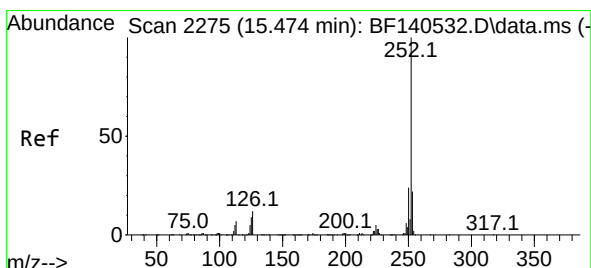
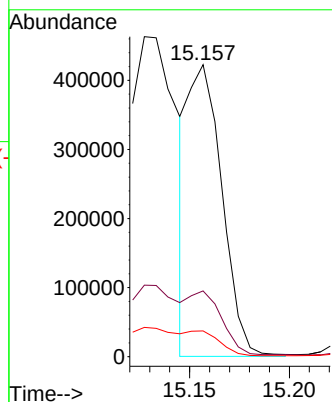
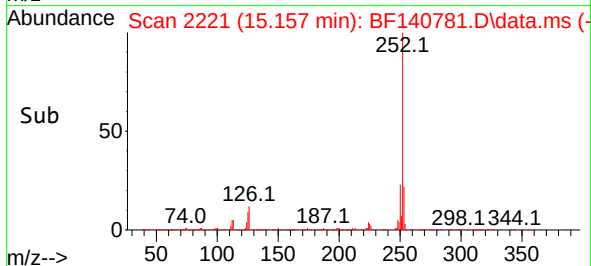


Tgt Ion:252 Resp: 498789
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.8 6.5 9.7

Manual Integrations

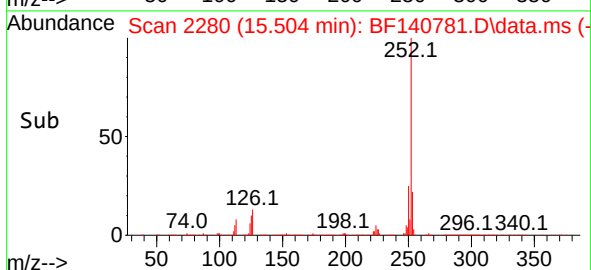
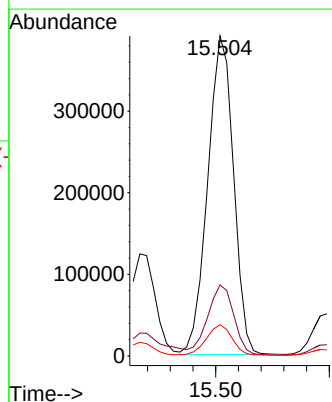
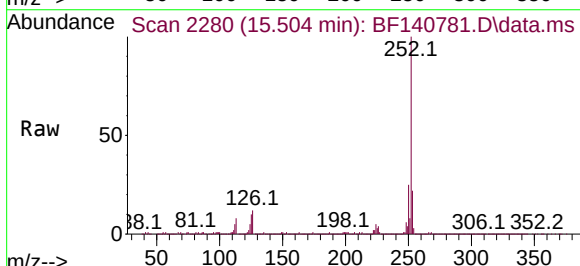
APPROVED

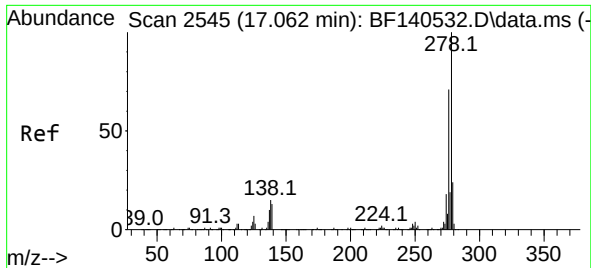
Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#90
Benzo(a)pyrene
Concen: 104.361 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.030 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:252 Resp: 616883
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 9.8 7.0 10.6





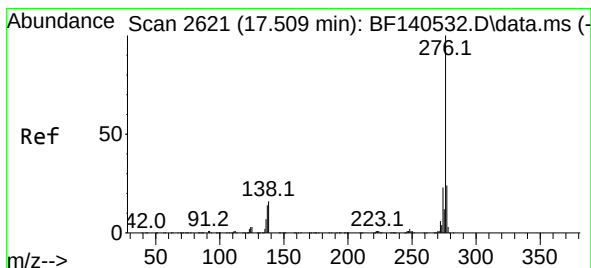
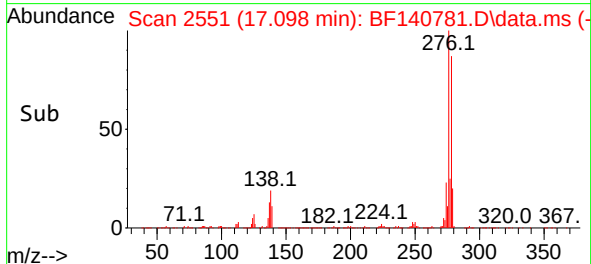
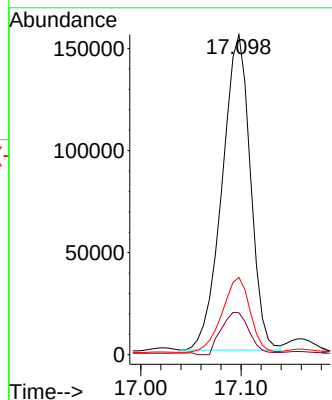
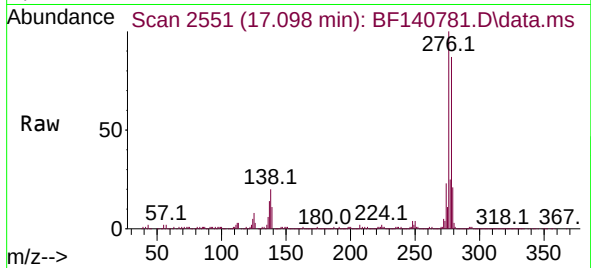
#91
Dibenzo(a,h)anthracene
Concen: 49.044 ng
RT: 17.098 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILMSD

Tgt Ion:278 Resp: 30295
Ion Ratio Lower Upper
278 100
139 13.1 10.2 15.4
279 24.2 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :mohammad ahmed 12/10/2024



#92
Benzo(g,h,i)perylene
Concen: 59.725 ng
RT: 17.551 min Scan# 2628
Delta R.T. 0.041 min
Lab File: BF140781.D
Acq: 06 Dec 2024 21:36

Tgt Ion:276 Resp: 376475
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 17.4 13.2 19.8

