

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072223\
 Data File : BF134420.D
 Acq On : 22 Jul 2023 13:56
 Operator : CG\JU
 Sample : 03668-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUMMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

Quant Time: Jul 22 15:09:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	62592	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	235408	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	124935	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	247473	20.000	ng	0.00
76) Chrysene-d12	14.039	240	184601	20.000	ng	0.00
86) Perylene-d12	15.545	264	163290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	422101	112.806	ng	0.02
7) Phenol-d6	6.486	99	468211	101.747	ng	0.00
23) Nitrobenzene-d5	7.404	82	374095	85.663	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	208845	133.325	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	716950	83.433	ng	0.00
79) Terphenyl-d14	12.968	244	903348	78.757	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	51247	33.215	ng	# 78
3) Pyridine	3.563	79	98114	24.414	ng	92
4) n-Nitrosodimethylamine	3.493	42	85578	37.285	ng	95
6) Aniline	6.510	93	103297	18.447	ng	# 85
8) 2-Chlorophenol	6.628	128	159286	41.935	ng	98
9) Benzaldehyde	6.398	77	59765	20.686	ng	90
10) Phenol	6.498	94	167981	34.719	ng	91
11) bis(2-Chloroethyl)ether	6.575	93	141037	39.594	ng	96
12) 1,3-Dichlorobenzene	6.781	146	172250	42.536	ng	98
13) 1,4-Dichlorobenzene	6.857	146	176438	43.136	ng	99
14) 1,2-Dichlorobenzene	7.004	146	168691	44.037	ng	99
15) Benzyl Alcohol	6.986	79	151273	42.642	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.110	45	215083	34.130	ng	59
17) 2-Methylphenol	7.098	107	129158	37.972	ng	94
18) Hexachloroethane	7.345	117	73531	48.484	ng	97
19) n-Nitroso-di-n-propyla...	7.251	70	121902	41.772	ng	99
20) 3+4-Methylphenols	7.251	107	164570	39.882	ng	88
22) Acetophenone	7.251	105	251700	47.014	ng	# 93
24) Nitrobenzene	7.422	77	179540	40.684	ng	94
25) Isophorone	7.663	82	317831	40.045	ng	99
26) 2-Nitrophenol	7.739	139	89431	42.244	ng	97
27) 2,4-Dimethylphenol	7.781	122	141817	42.320	ng	98
28) bis(2-Chloroethoxy)met...	7.869	93	184630	40.175	ng	98
29) 2,4-Dichlorophenol	7.981	162	139328	41.929	ng	96
30) 1,2,4-Trichlorobenzene	8.063	180	149635	43.641	ng	99
31) Naphthalene	8.139	128	480020	42.215	ng	99
32) Benzoic acid	7.898	122	39415m	15.697	ng	
33) 4-Chloroaniline	8.192	127	33656	6.919	ng	97
34) Hexachlorobutadiene	8.251	225	99585	46.043	ng	99
35) Caprolactam	8.580	113	36521m	33.379	ng	
36) 4-Chloro-3-methylphenol	8.686	107	160754	43.063	ng	95
37) 2-Methylnaphthalene	8.833	142	345735	42.996	ng	100
38) 1-Methylnaphthalene	8.933	142	324894	43.462	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	156737	42.345	ng	98
41) Hexachlorocyclopentadiene	8.980	237	113714	64.757	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	98053	38.915	ng	98

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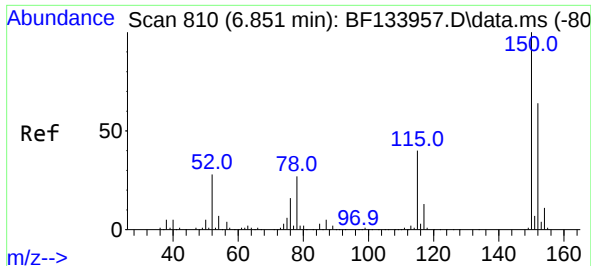
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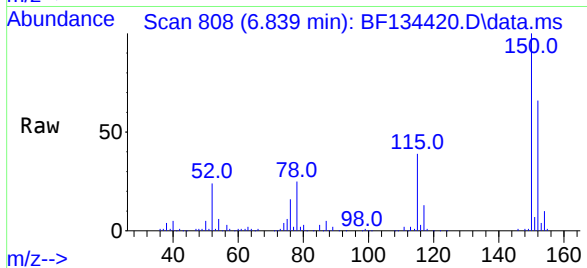
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	107114	36.140	ng	99
46) 1,1'-Biphenyl	9.298	154	407068	40.618	ng	97
47) 2-Chloronaphthalene	9.327	162	304390	41.512	ng	98
48) 2-Nitroaniline	9.427	65	103963	38.903	ng	97
49) Acenaphthylene	9.739	152	491927	39.273	ng	99
50) Dimethylphthalate	9.604	163	366767	40.442	ng	99
51) 2,6-Dinitrotoluene	9.669	165	80661	41.294	ng	90
52) Acenaphthene	9.916	154	300232	41.307	ng	97
53) 3-Nitroaniline	9.839	138	38963	16.627	ng	# 93
54) 2,4-Dinitrophenol	9.957	184	65126	58.808	ng	95
55) Dibenzofuran	10.086	168	450899	39.695	ng	96
56) 4-Nitrophenol	10.022	139	86437	52.733	ng	92
57) 2,4-Dinitrotoluene	10.080	165	108333	41.996	ng	# 86
58) Fluorene	10.433	166	370738	41.952	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	91151	38.988	ng	99
60) Diethylphthalate	10.304	149	383044	40.540	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	178561	41.927	ng	99
62) 4-Nitroaniline	10.463	138	81891m	34.676	ng	
63) Azobenzene	10.580	77	342098	38.276	ng	97
65) 4,6-Dinitro-2-methylph...	10.498	198	51749	38.355	ng	98
66) n-Nitrosodiphenylamine	10.545	169	316255	39.998	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	108968	41.427	ng	97
68) Hexachlorobenzene	10.980	284	131970	47.254	ng	98
69) Atrazine	11.080	200	106833	48.847	ng	97
70) Pentachlorophenol	11.186	266	97057	58.123	ng	99
71) Phenanthrene	11.398	178	521035	41.823	ng	99
72) Anthracene	11.451	178	526661	40.644	ng	99
73) Carbazole	11.610	167	494213	41.669	ng	97
74) Di-n-butylphthalate	11.939	149	598649	42.444	ng	99
75) Fluoranthene	12.598	202	572727	42.524	ng	97
77) Benzidine	12.721	184	184405	41.982	ng	98
78) Pyrene	12.827	202	597199	34.762	ng	99
80) Butylbenzylphthalate	13.445	149	256947	39.879	ng	99
81) Benzo(a)anthracene	14.027	228	515135	40.237	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	101548	25.036	ng	99
83) Chrysene	14.068	228	472123	38.075	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	341711	46.155	ng	99
85) Di-n-octyl phthalate	14.627	149	522129	47.996	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	455117	40.167	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	425311m	44.296	ng	
89) Benzo(k)fluoranthene	15.133	252	421926	43.160	ng	98
90) Benzo(a)pyrene	15.486	252	365504	39.367	ng	# 97
91) Dibenzo(a,h)anthracene	17.121	278	378685	40.918	ng	# 96
92) Benzo(g,h,i)perylene	17.580	276	367434	38.499	ng	# 95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

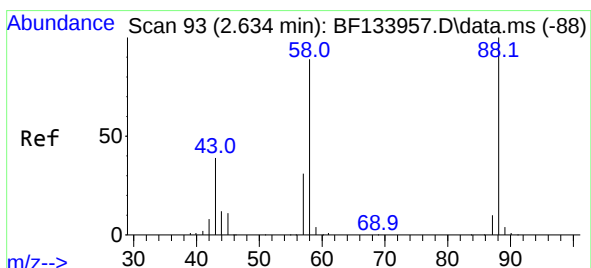
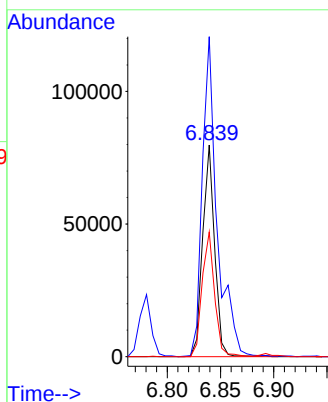
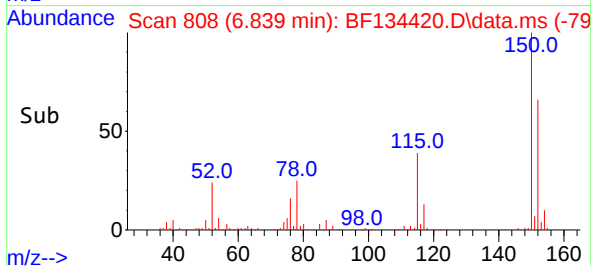
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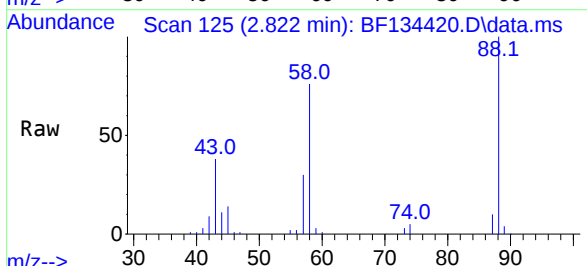
Tgt Ion:152 Resp: 62592
Ion Ratio Lower Upper
152 100
150 151.2 124.5 186.7
115 58.9 50.2 75.2

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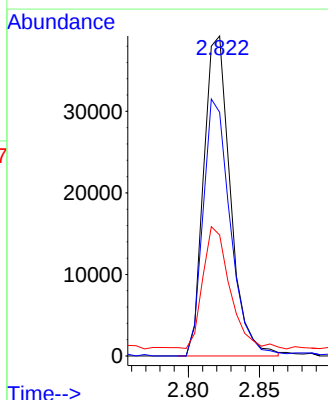
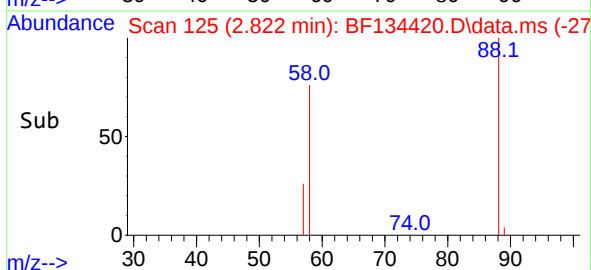
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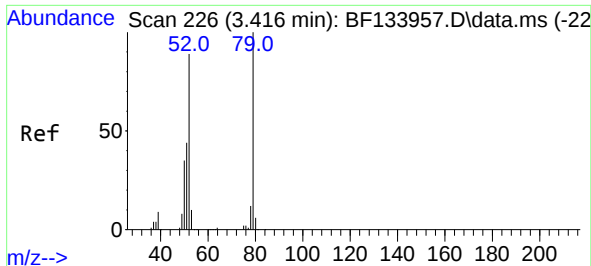


#2
1,4-Dioxane
Concen: 33.215 ng
RT: 2.822 min Scan# 125
Delta R.T. 0.229 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



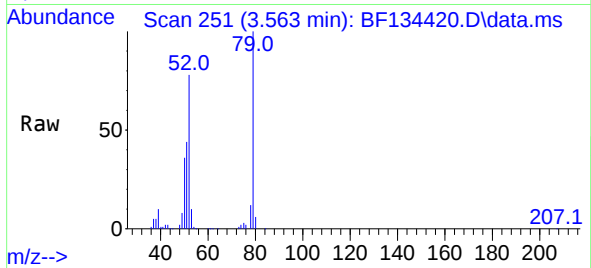
Tgt Ion: 88 Resp: 51247
Ion Ratio Lower Upper
88 100
58 82.2 68.8 103.2
43 0.0 30.7 46.1





#3
Pyridine
Concen: 24.414 ng
RT: 3.563 min Scan# 214
Delta R.T. 0.182 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

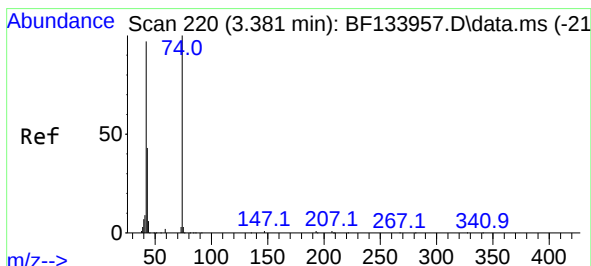
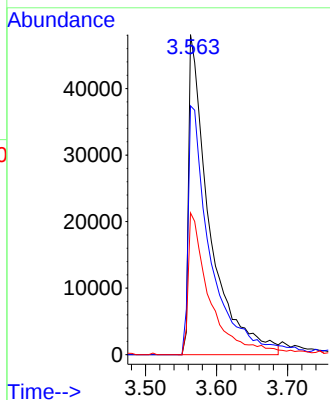
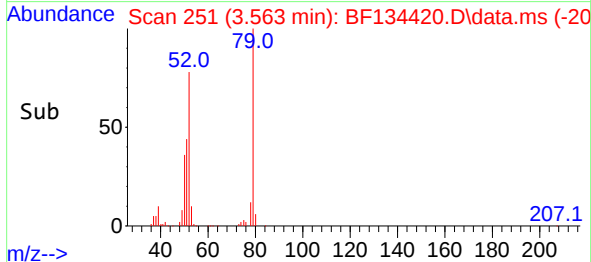
Instrument :
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SLUDGE-DRUMMSD



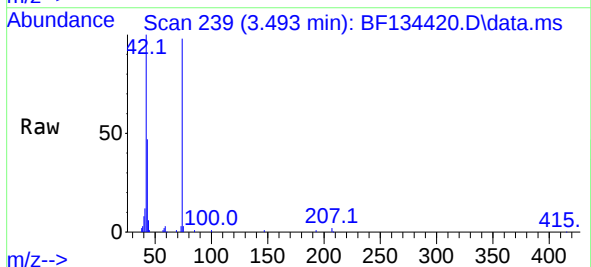
Tgt Ion: 79 Resp: 98114
Ion Ratio Lower Upper
79 100
52 77.7 71.1 106.7
51 44.3 35.2 52.8

Manual Integrations
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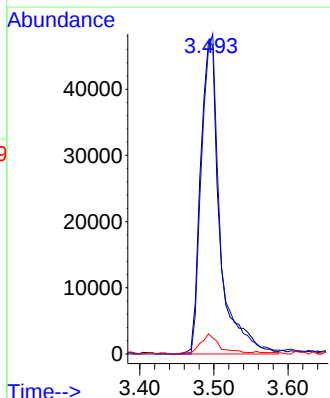
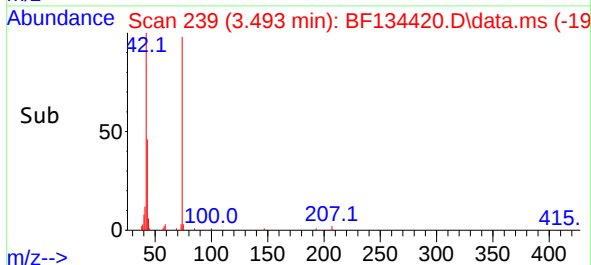
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Supervised By :mohammad ahmed 07/25/2023

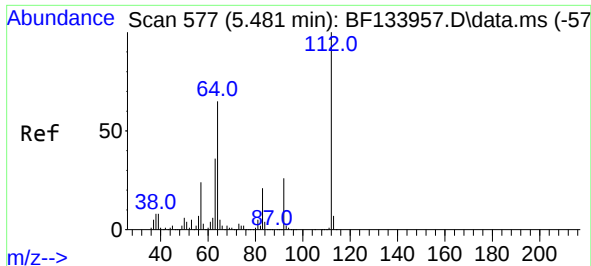


#4
n-Nitrosodimethylamine
Concen: 37.285 ng
RT: 3.493 min Scan# 239
Delta R.T. 0.153 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



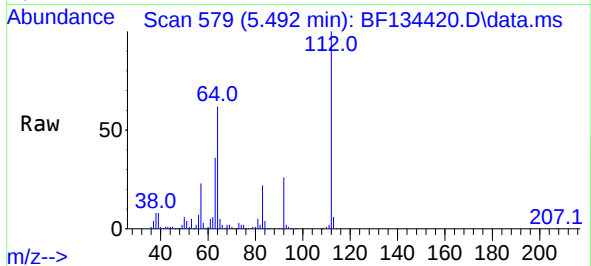
Tgt Ion: 42 Resp: 85578
Ion Ratio Lower Upper
42 100
74 97.7 82.4 123.6
44 6.4 4.9 7.3





#5
2-Fluorophenol
Concen: 112.806 ng
RT: 5.492 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

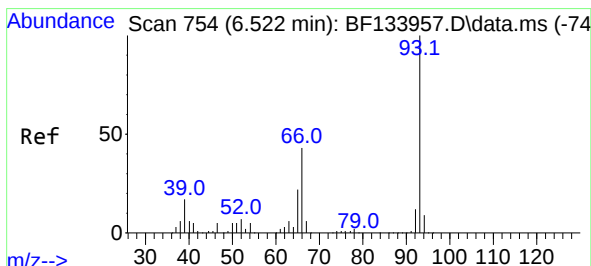
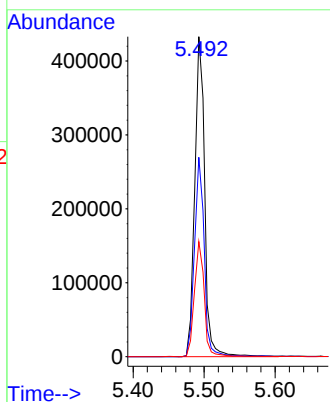
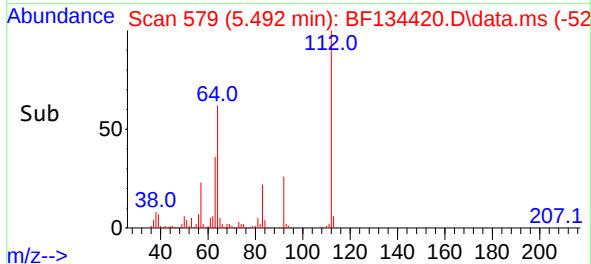
Instrument :
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SLUDGE-DRUMMSD



Tgt Ion:112 Resp: 42210
Ion Ratio Lower Upper
112 100
64 62.3 52.1 78.1
63 36.0 28.6 42.8

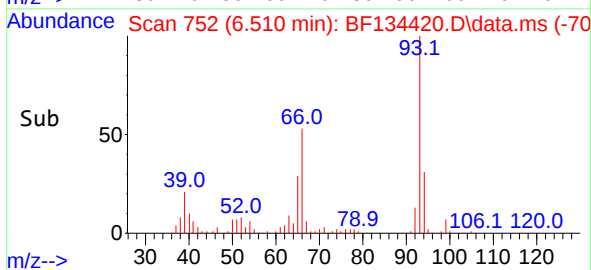
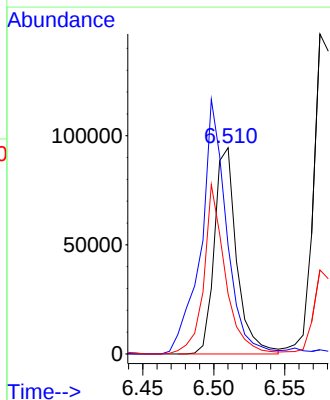
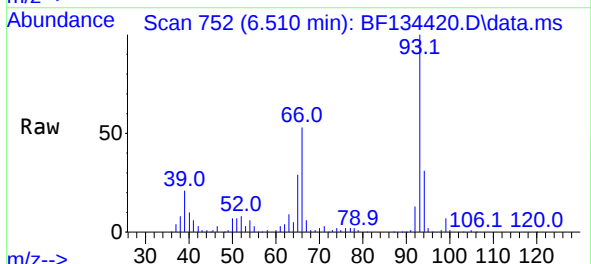
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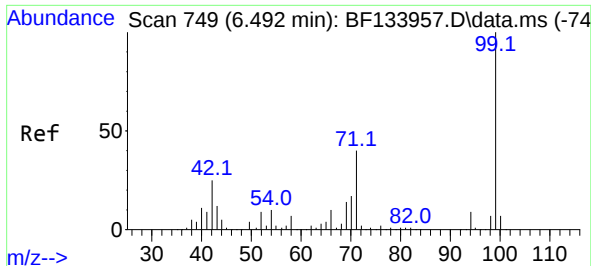
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#6
Aniline
Concen: 18.447 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

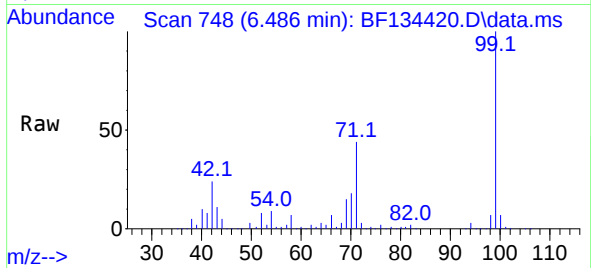
Tgt Ion: 93 Resp: 103297
Ion Ratio Lower Upper
93 100
66 52.5 34.5 51.7#
65 29.0 17.8 26.6#





#7
Phenol-d6
Concen: 101.747 ng
RT: 6.486 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

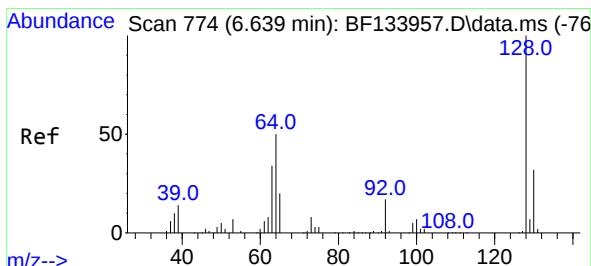
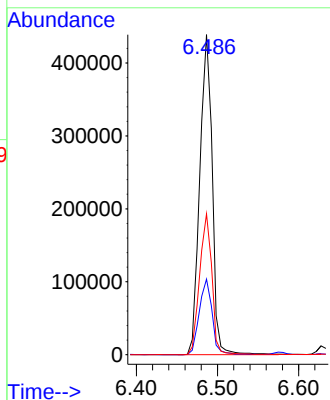
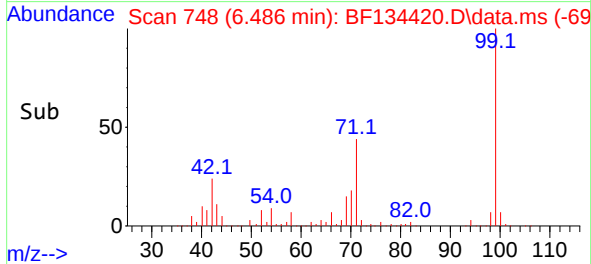
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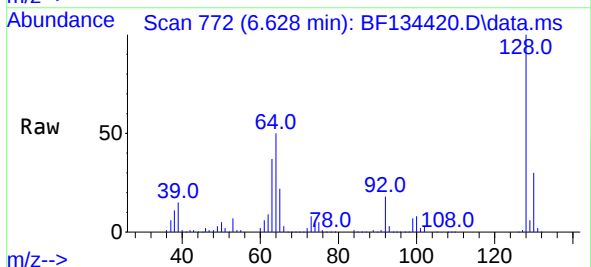
Tgt Ion: 99 Resp: 46821
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 44.0 31.9 47.9

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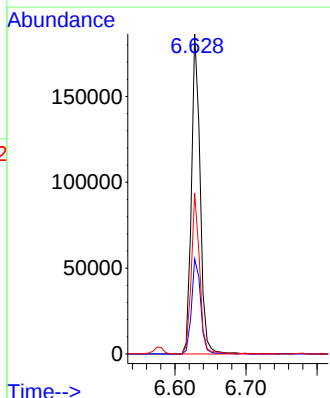
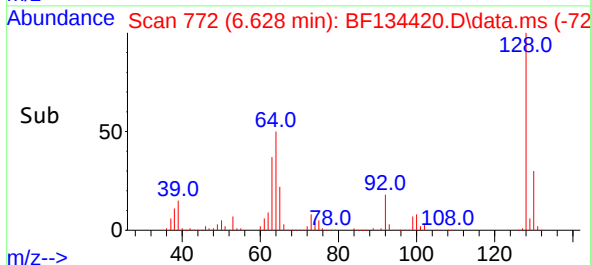
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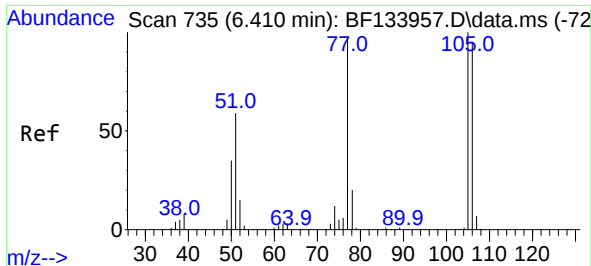


#8
2-Chlorophenol
Concen: 41.935 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



Tgt Ion:128 Resp: 159286
Ion Ratio Lower Upper
128 100
130 29.7 11.7 51.7
64 50.2 31.3 71.3





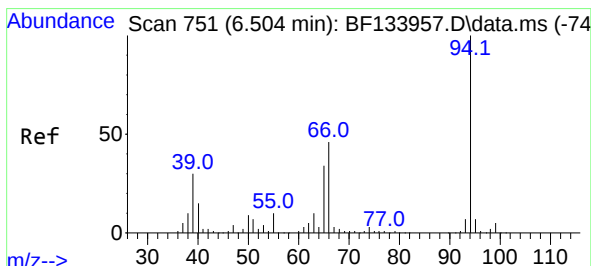
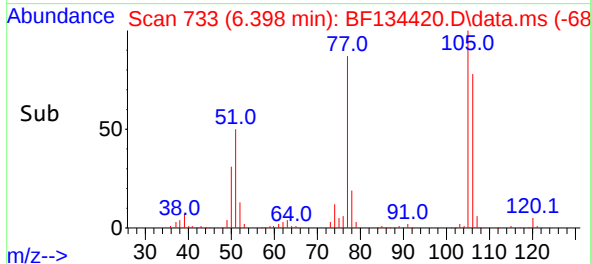
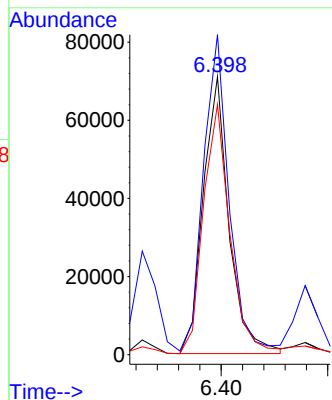
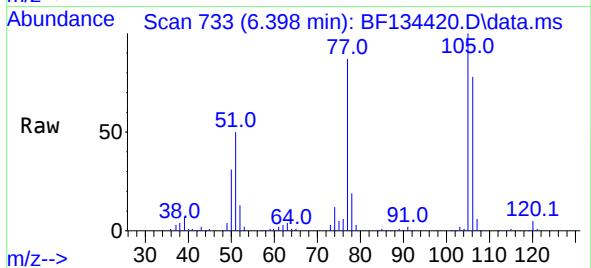
#9
Benzaldehyde
Concen: 20.686 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD

Tgt Ion: 77 Resp: 5976
Ion Ratio Lower Upper
77 100
105 115.1 82.0 122.0
106 90.0 76.9 116.9

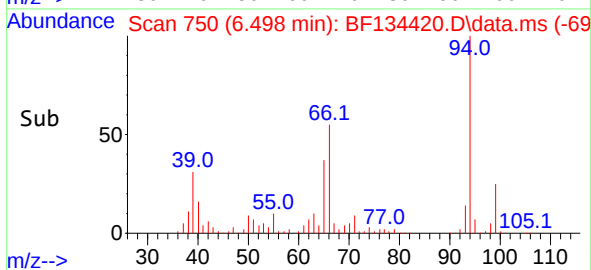
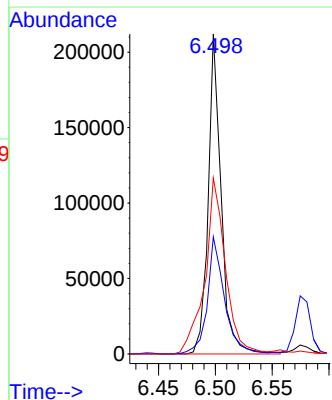
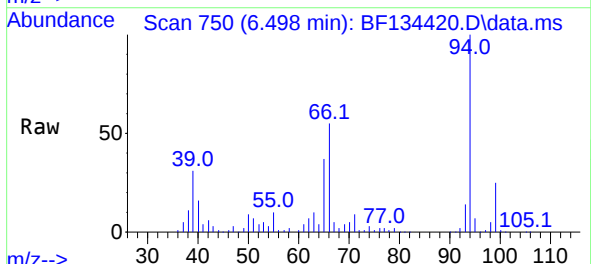
Manual Integrations
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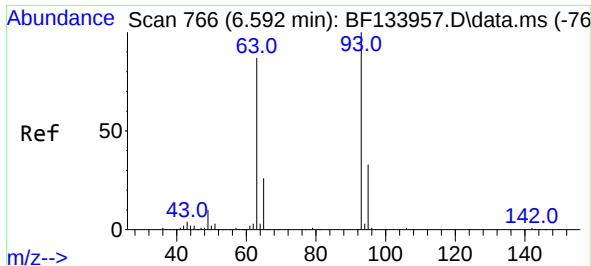
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#10
Phenol
Concen: 34.719 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

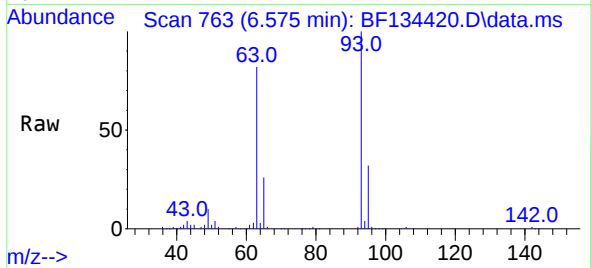
Tgt Ion: 94 Resp: 167981
Ion Ratio Lower Upper
94 100
65 36.6 14.2 54.2
66 55.0 26.4 66.4





#11
bis(2-Chloroethyl)ether
Concen: 39.594 ng
RT: 6.575 min Scan# 708
Delta R.T. -0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

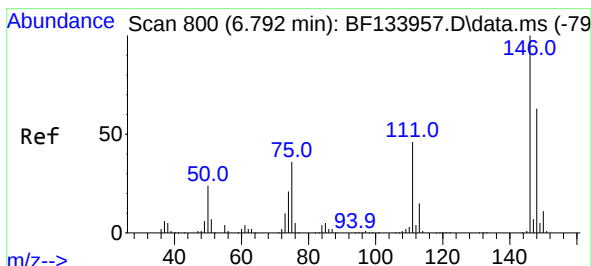
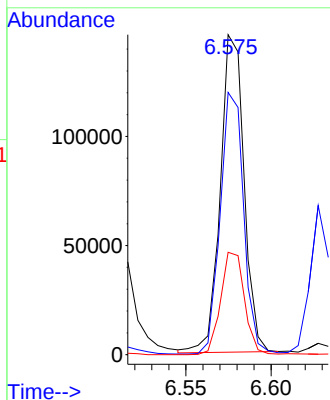
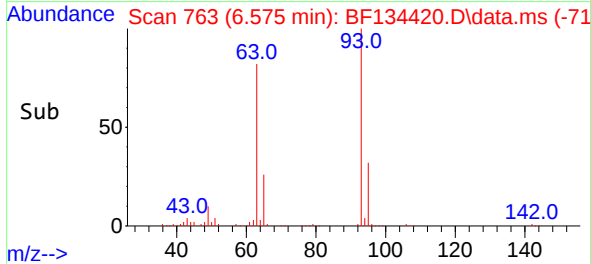
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



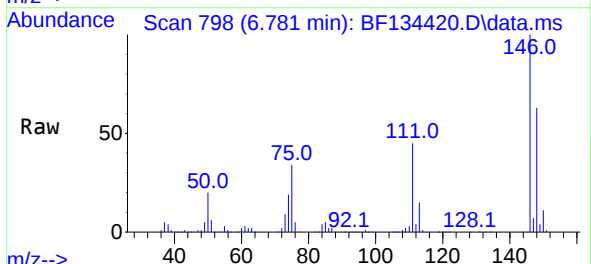
Tgt Ion: 93 Resp: 14103
Ion Ratio Lower Upper
93 100
63 81.9 66.5 106.5
95 32.0 12.9 52.9

Manual Integrations
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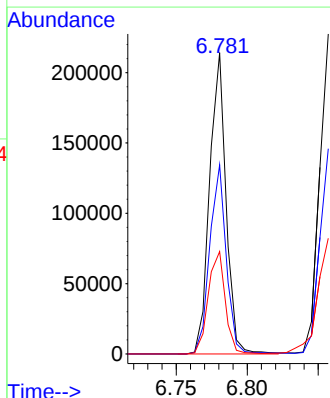
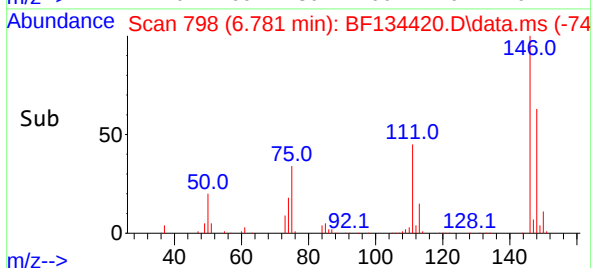
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

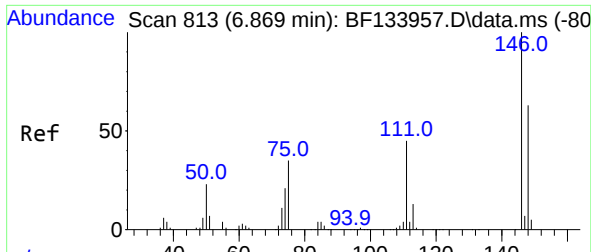


#12
1,3-Dichlorobenzene
Concen: 42.536 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



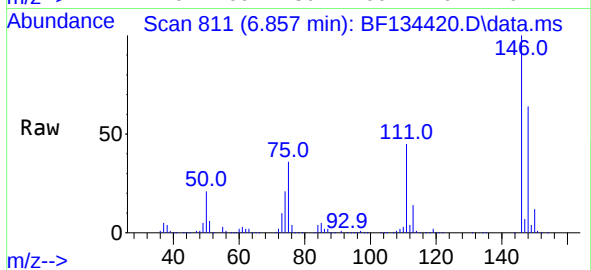
Tgt Ion:146 Resp: 172250
Ion Ratio Lower Upper
146 100
148 62.8 50.5 75.7
75 34.0 29.0 43.6





#13
1,4-Dichlorobenzene
Concen: 43.136 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

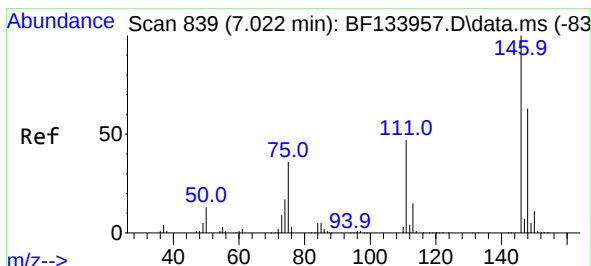
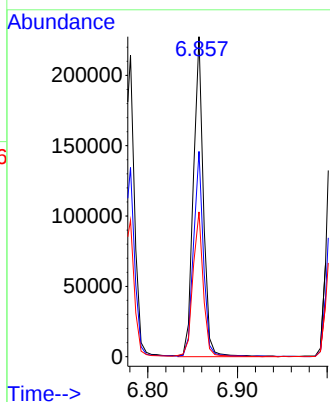
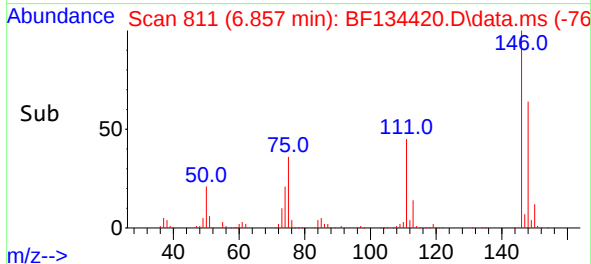
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



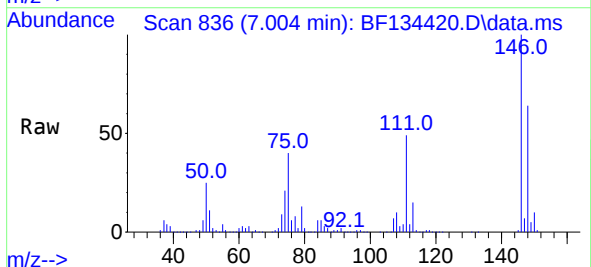
Tgt Ion:146 Resp: 176438
Ion Ratio Lower Upper
146 100
148 64.1 50.2 75.2
111 45.2 35.8 53.6

Manual Integrations
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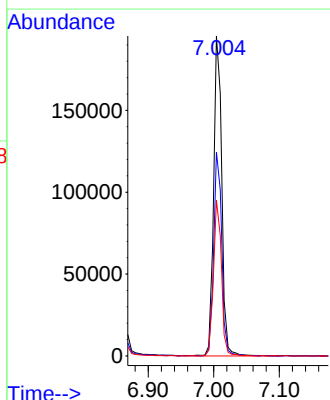
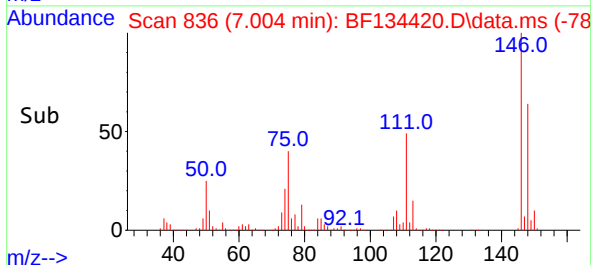
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

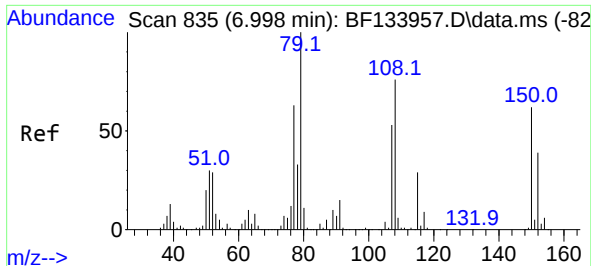


#14
1,2-Dichlorobenzene
Concen: 44.037 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



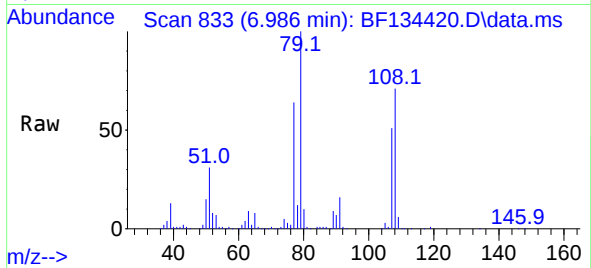
Tgt Ion:146 Resp: 168691
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
111 48.6 38.0 57.0





#15
Benzyl Alcohol
Concen: 42.642 ng
RT: 6.986 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

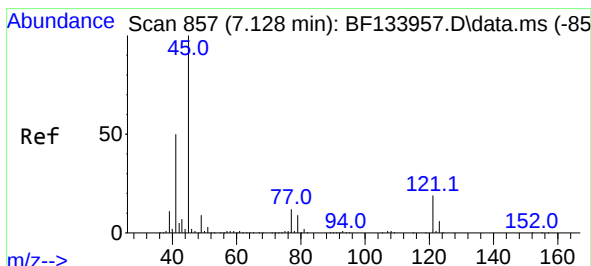
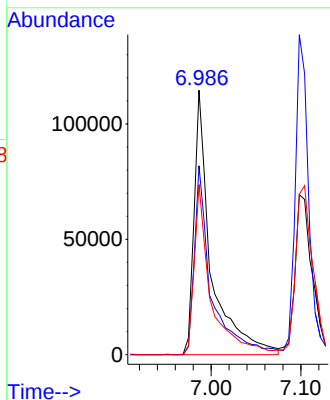
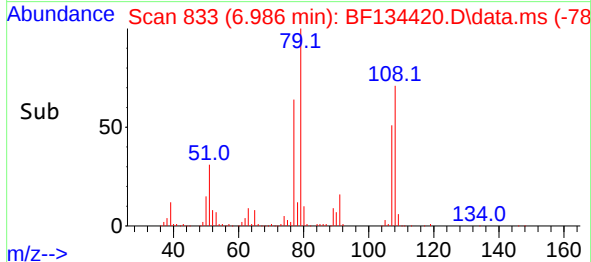
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



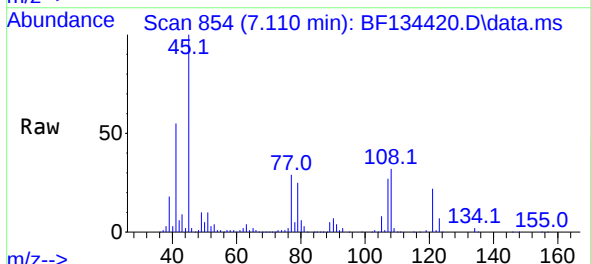
Tgt Ion: 79 Resp: 15127
Ion Ratio Lower Upper
79 100
108 71.4 60.7 91.1
77 64.4 50.6 75.8

Manual Integrations
APPROVED

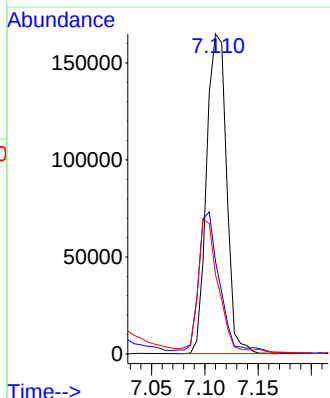
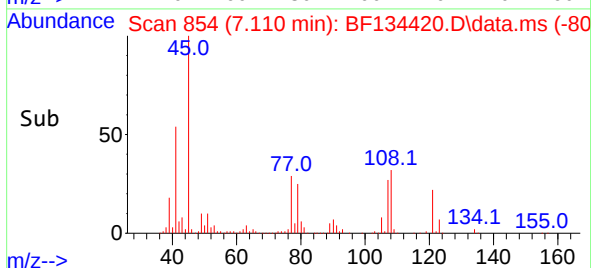
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

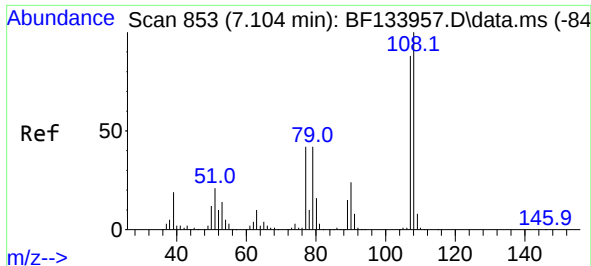


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.130 ng
RT: 7.110 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



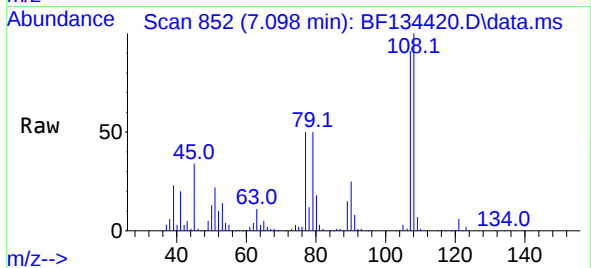
Tgt Ion: 45 Resp: 215083
Ion Ratio Lower Upper
45 100
77 28.9 0.0 32.9
79 24.9 0.0 29.5





#17
2-Methylphenol
Concen: 37.972 ng
RT: 7.098 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

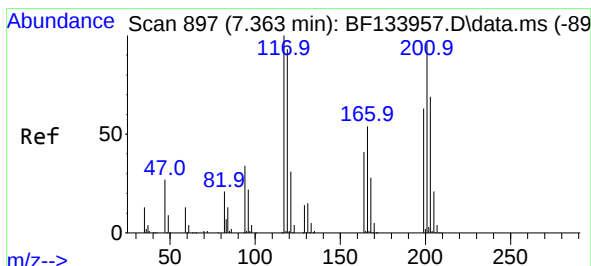
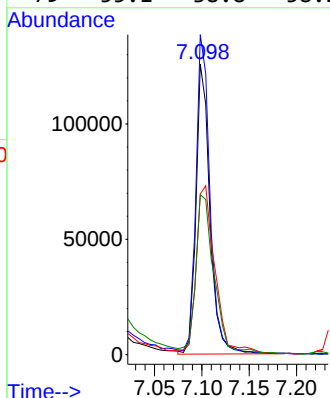
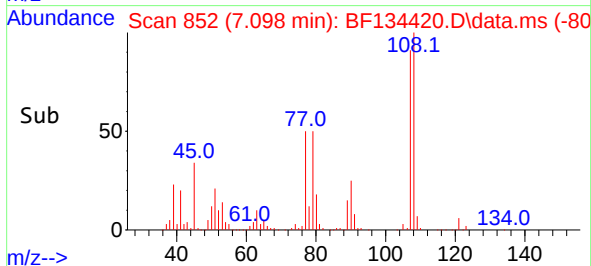
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:107 Resp: 129158
Ion Ratio Lower Upper
107 100
108 110.1 90.6 136.0
77 55.3 38.3 57.5
79 55.1 38.8 58.2

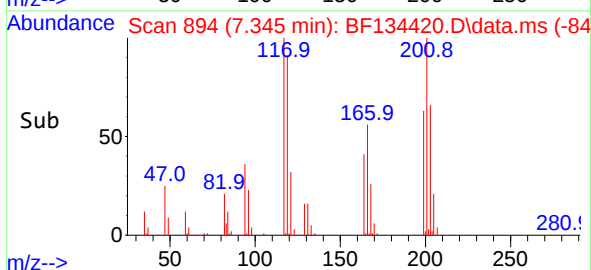
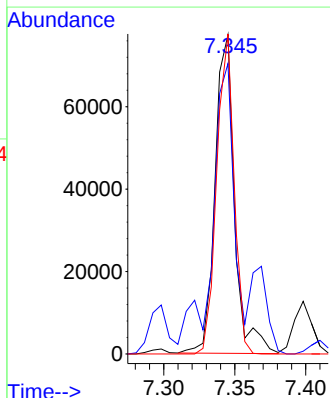
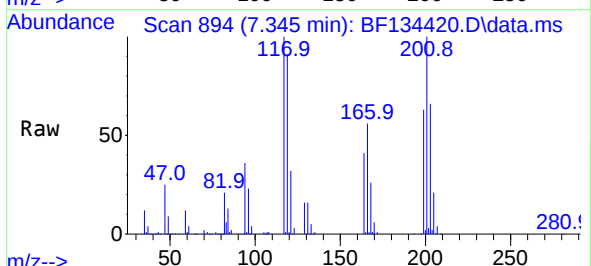
Manual Integrations
APPROVED

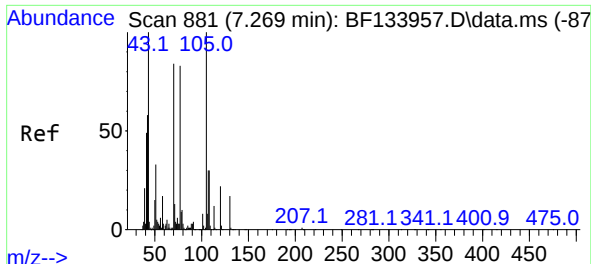
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#18
Hexachloroethane
Concen: 48.484 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

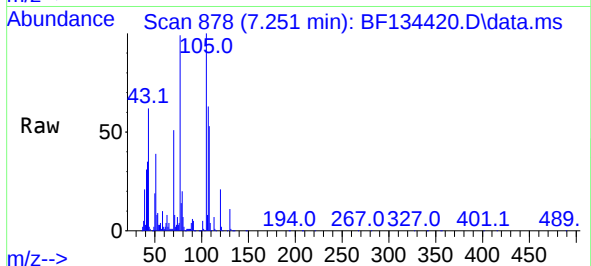
Tgt Ion:117 Resp: 73531
Ion Ratio Lower Upper
117 100
119 91.0 74.2 111.4
201 100.3 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 41.772 ng
RT: 7.251 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

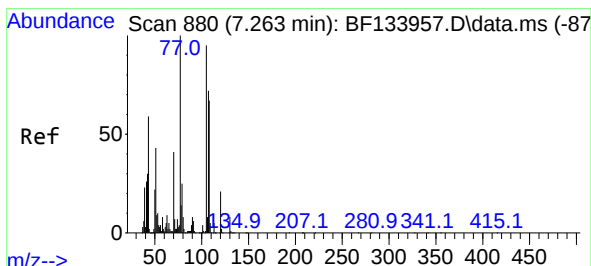
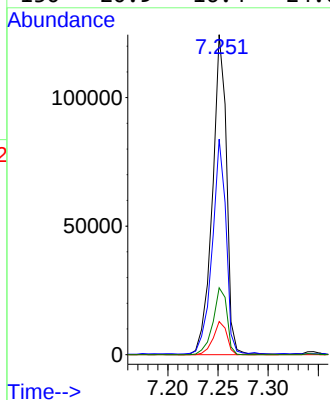
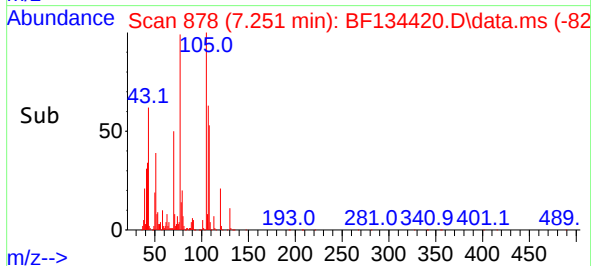
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



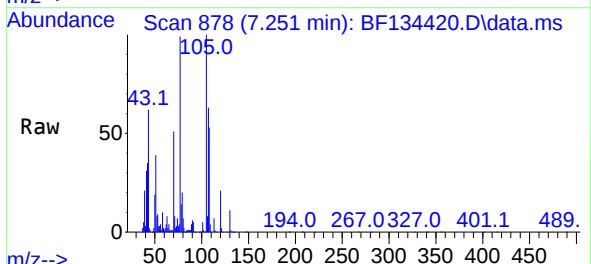
Tgt Ion: 70 Resp: 121902
Ion Ratio Lower Upper
70 100
42 67.3 54.7 82.1
101 10.3 7.7 11.5
130 20.9 16.4 24.6

Manual Integrations
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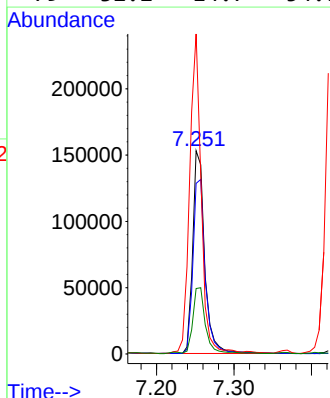
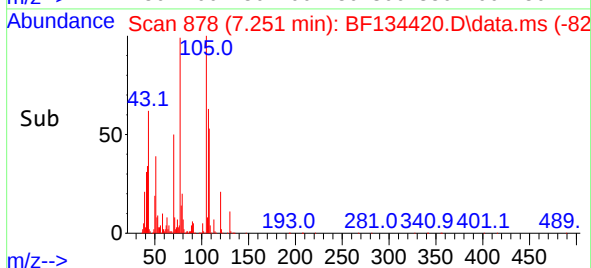
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

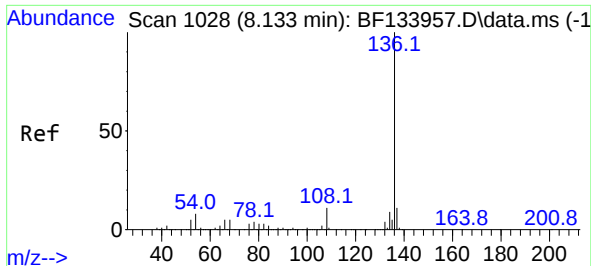


#20
3+4-Methylphenols
Concen: 39.882 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



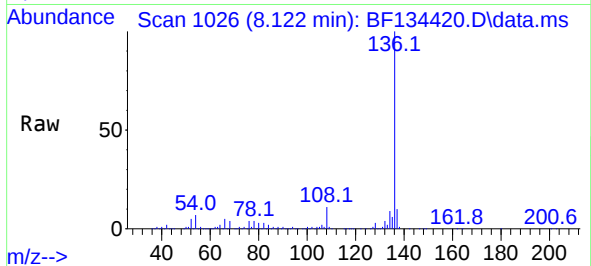
Tgt Ion:107 Resp: 164570
Ion Ratio Lower Upper
107 100
108 83.9 73.2 113.2
77 157.4 118.3 158.3
79 32.2 14.7 54.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

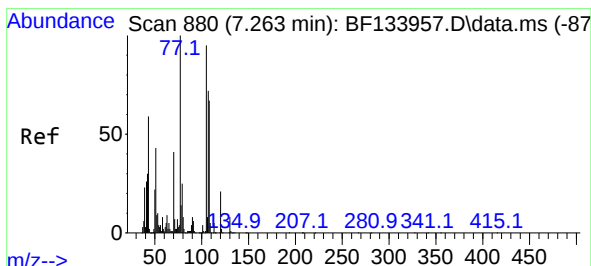
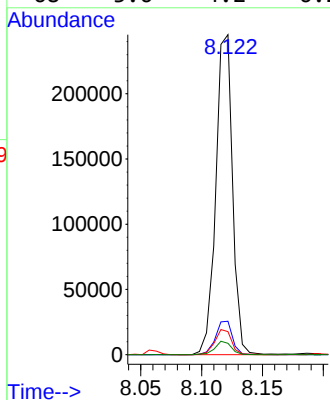
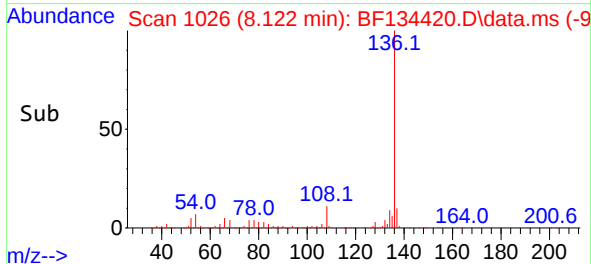
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



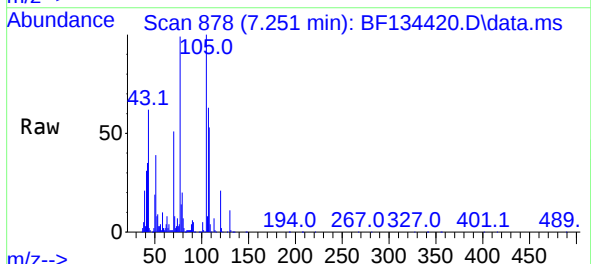
Tgt Ion:136 Resp: 235408
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.2 6.5 9.7
68 3.6 4.2 6.2#

Manual Integrations
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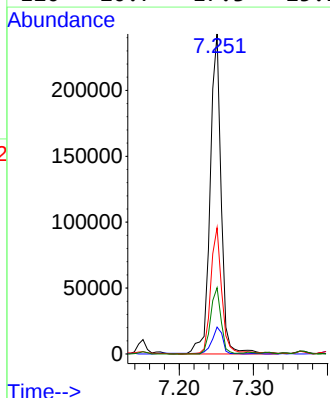
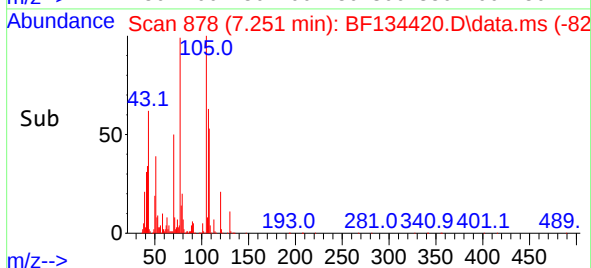
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

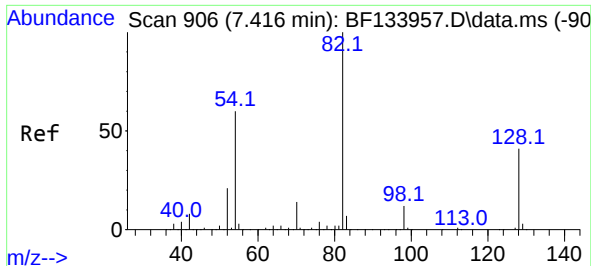


#22
Acetophenone
Concen: 47.014 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



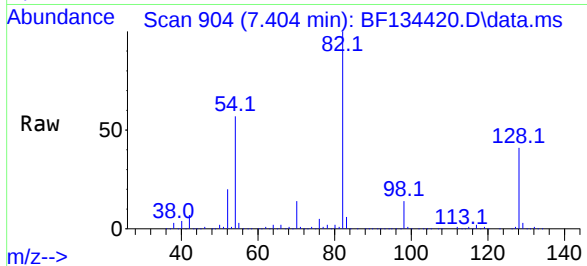
Tgt Ion:105 Resp: 251700
Ion Ratio Lower Upper
105 100
71 8.4 5.5 8.3#
51 39.4 36.5 54.7
120 20.7 17.3 25.9





#23
Nitrobenzene-d5
Concen: 85.663 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

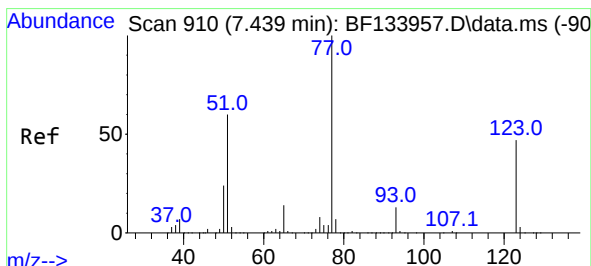
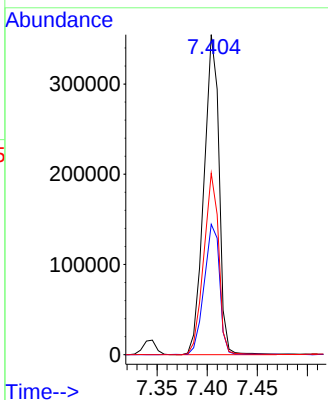
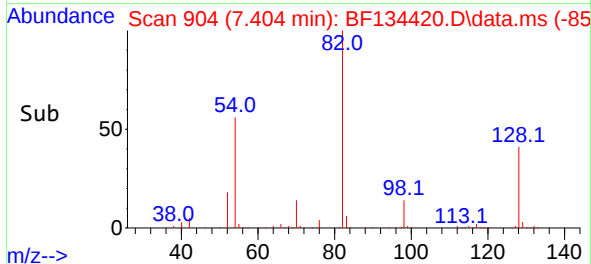
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



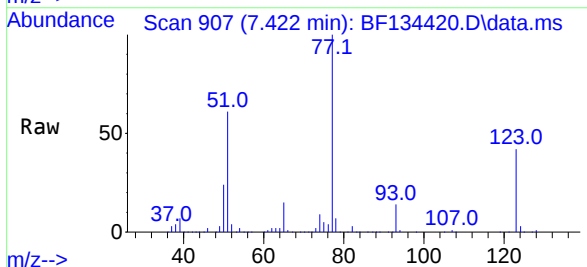
Tgt Ion: 82 Resp: 374095
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 56.7 48.2 72.2

Manual Integrations
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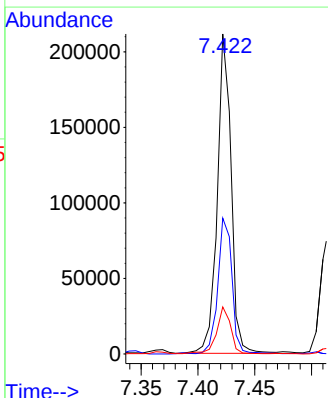
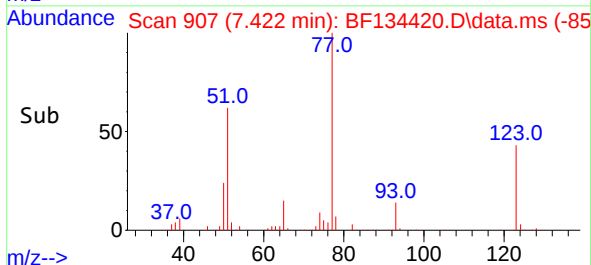
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

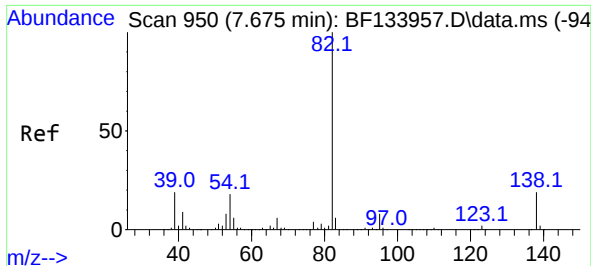


#24
Nitrobenzene
Concen: 40.684 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



Tgt Ion: 77 Resp: 179540
Ion Ratio Lower Upper
77 100
123 42.5 37.8 56.6
65 14.7 11.3 16.9





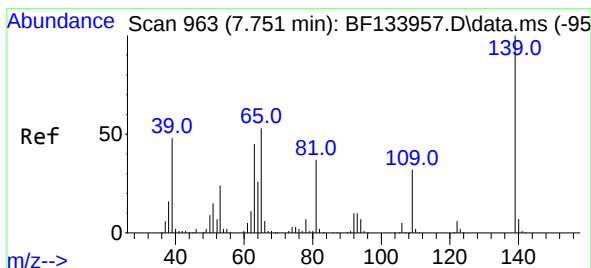
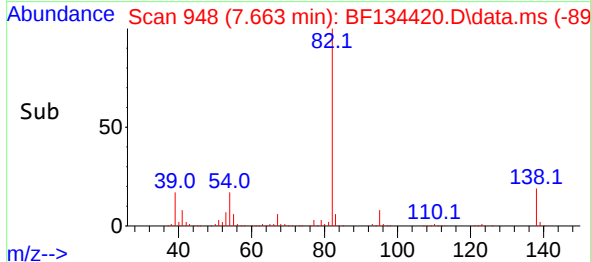
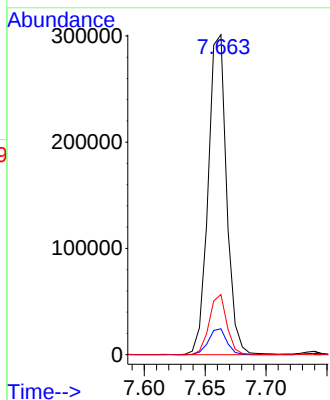
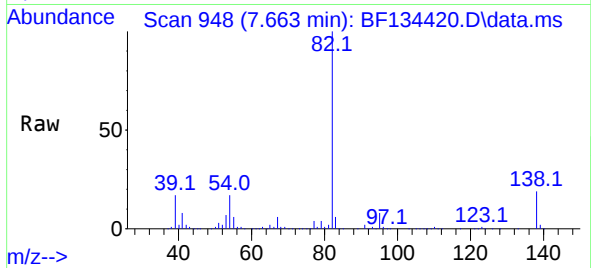
#25
Isophorone
Concen: 40.045 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD

Tgt Ion: 82 Resp: 31783
Ion Ratio Lower Upper
82 100
95 8.1 6.1 9.1
138 18.8 15.2 22.8

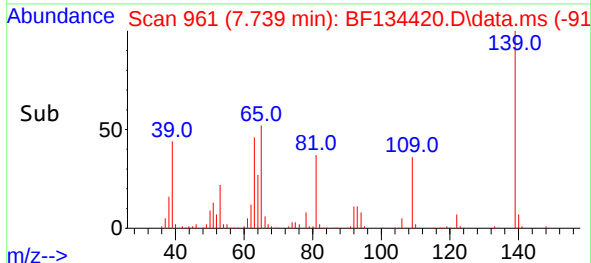
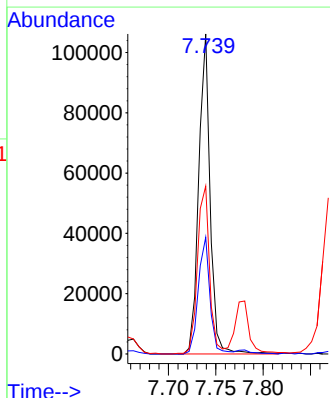
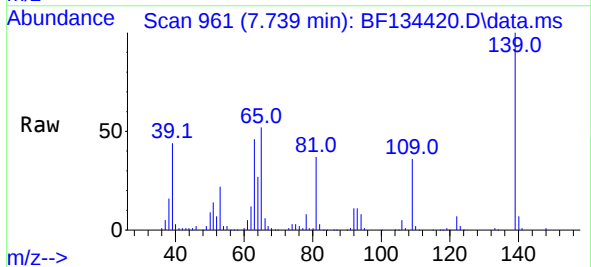
Manual Integrations
APPROVED

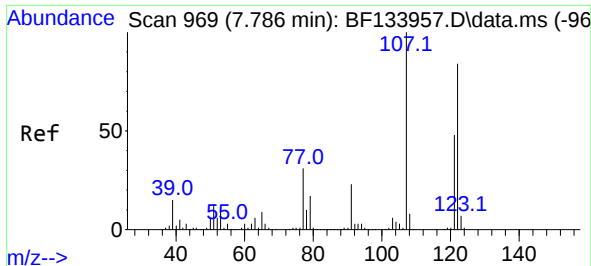
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#26
2-Nitrophenol
Concen: 42.244 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

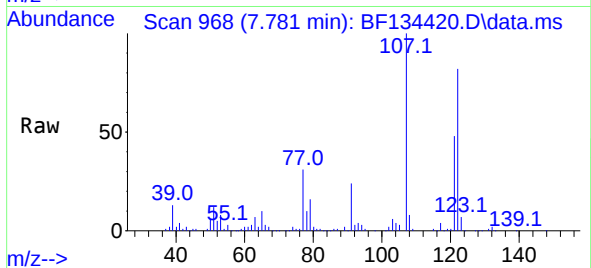
Tgt Ion:139 Resp: 89431
Ion Ratio Lower Upper
139 100
109 36.4 25.8 38.8
65 52.5 42.4 63.6





#27
2,4-Dimethylphenol
Concen: 42.320 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

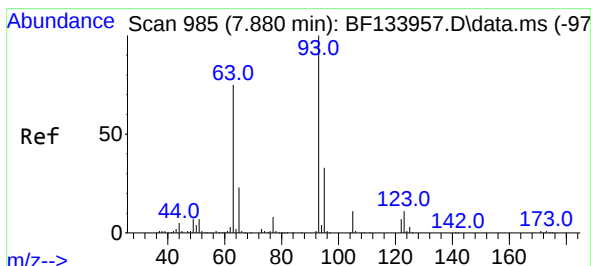
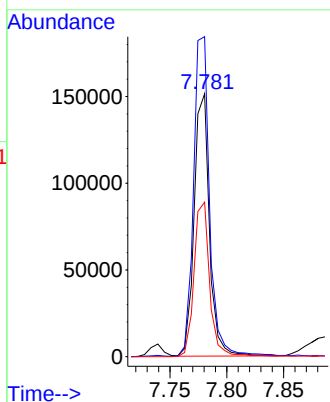
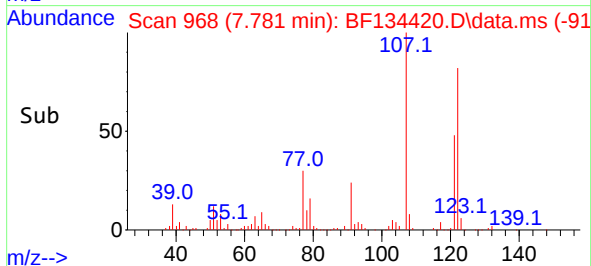
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:122 Resp: 14181
Ion Ratio Lower Upper
122 100
107 121.7 95.5 143.3
121 58.8 45.5 68.3

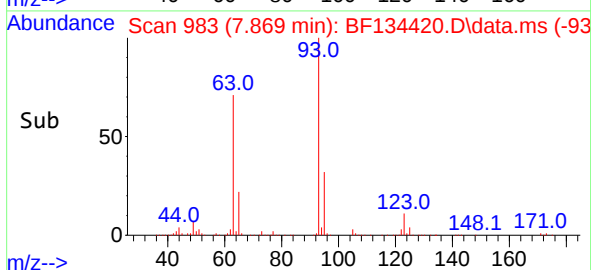
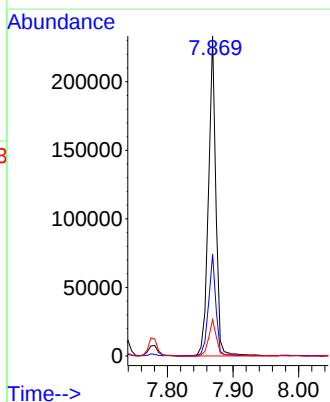
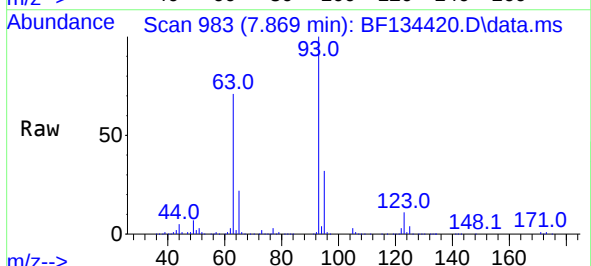
Manual Integrations
APPROVED

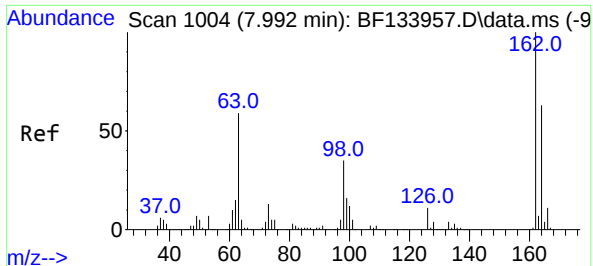
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#28
bis(2-Chloroethoxy)methane
Concen: 40.175 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

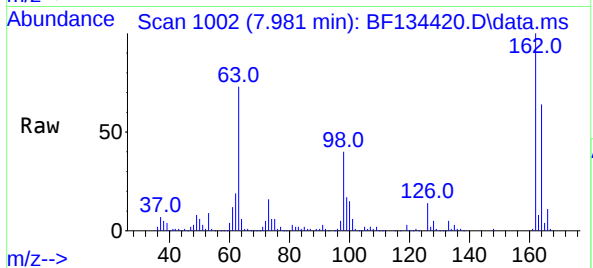
Tgt Ion: 93 Resp: 184630
Ion Ratio Lower Upper
93 100
95 31.8 26.5 39.7
123 11.3 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 41.929 ng
RT: 7.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

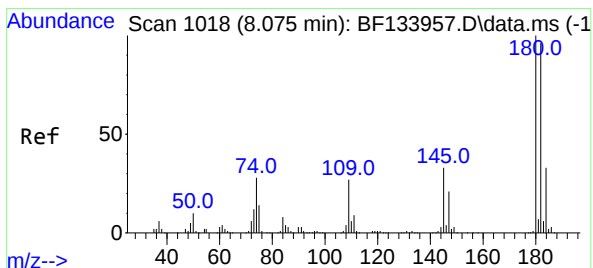
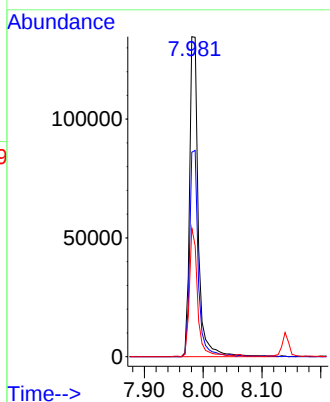
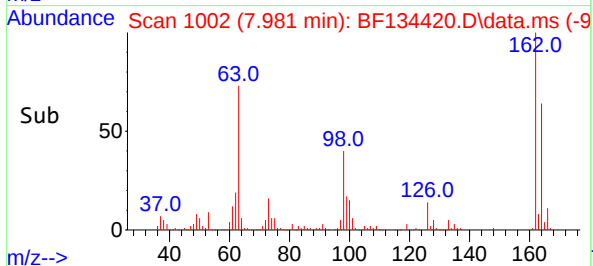
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



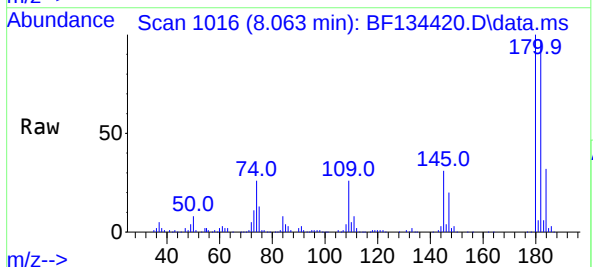
Tgt Ion:162 Resp: 139328
Ion Ratio Lower Upper
162 100
164 63.9 43.2 83.2
98 40.2 14.9 54.9

Manual Integrations
APPROVED

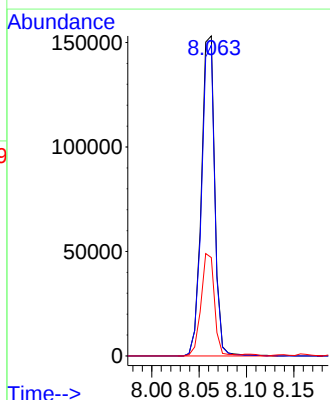
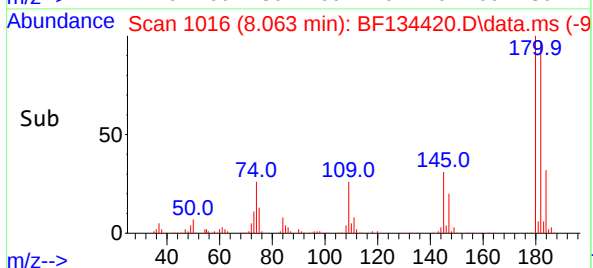
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

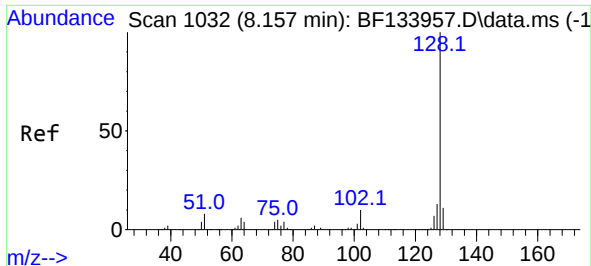


#30
1,2,4-Trichlorobenzene
Concen: 43.641 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



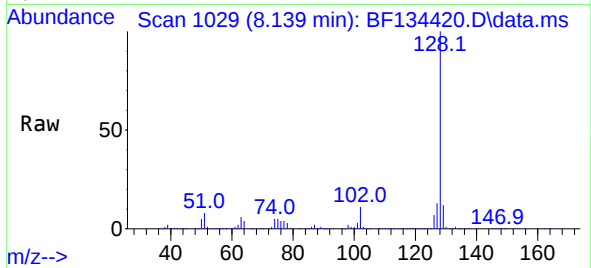
Tgt Ion:180 Resp: 149635
Ion Ratio Lower Upper
180 100
182 97.1 77.1 115.7
145 30.8 26.0 39.0





#31
Naphthalene
Concen: 42.215 ng
RT: 8.139 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

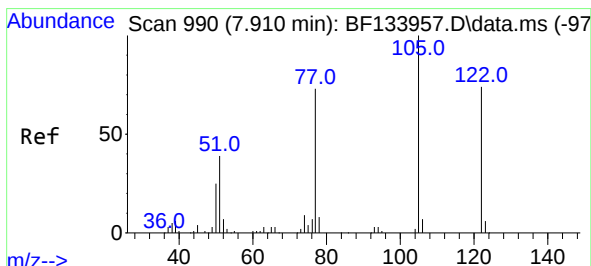
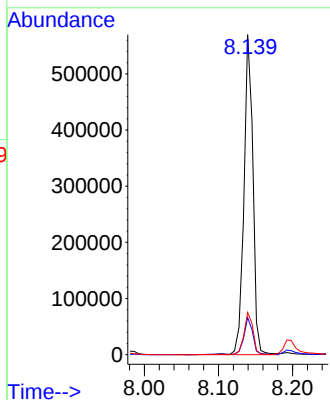
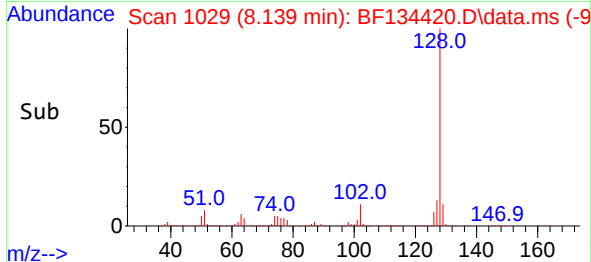
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:128 Resp: 480020
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.2 10.6 15.8

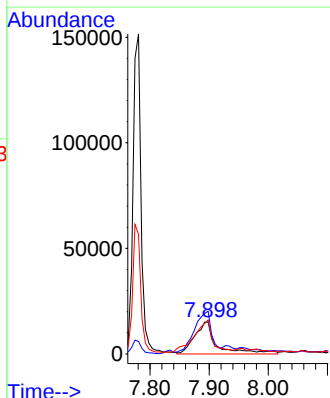
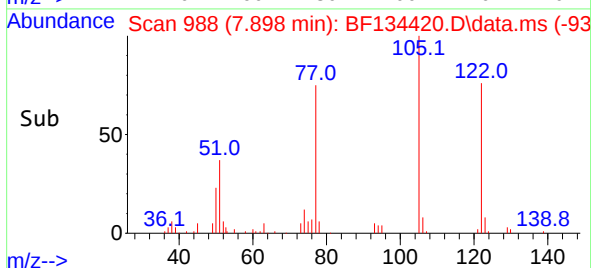
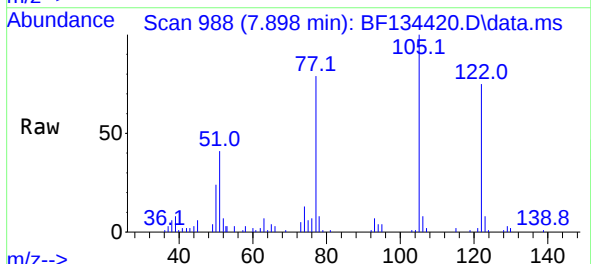
Manual Integrations
APPROVED

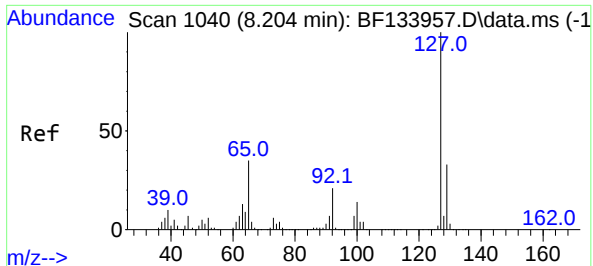
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#32
Benzoic acid
Concen: 15.697 ng m
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Tgt Ion:122 Resp: 39415
Ion Ratio Lower Upper
122 100
105 134.0 109.7 149.7
77 106.5 76.0 116.0





#33
4-Chloroaniline
Concen: 6.919 ng
RT: 8.192 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

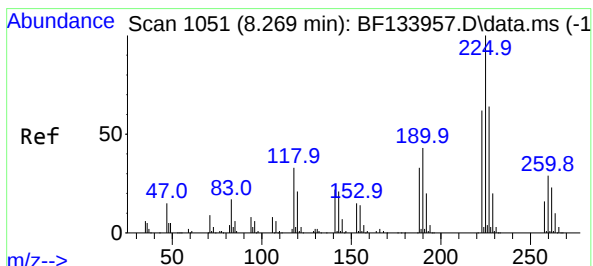
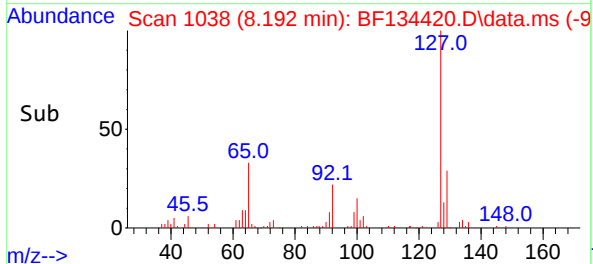
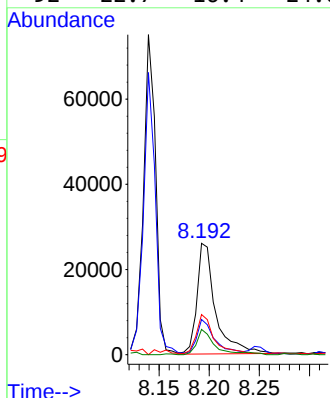
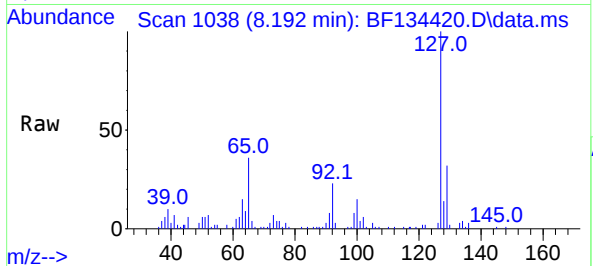
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD

Tgt Ion:127 Resp: 33650

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.4	39.6
65	36.0	27.8	41.8
92	22.7	16.4	24.6

Manual Integrations
APPROVED

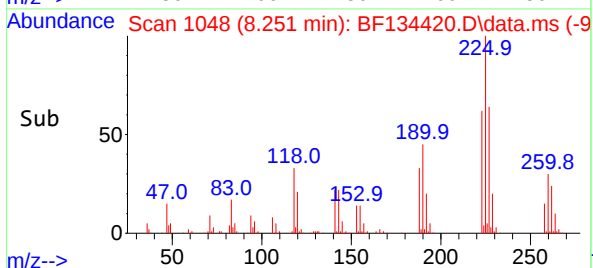
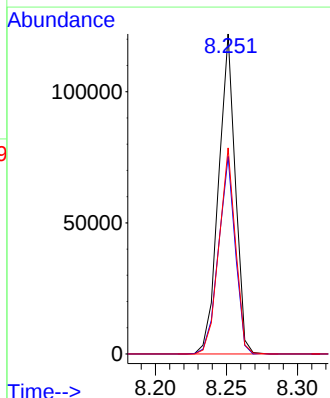
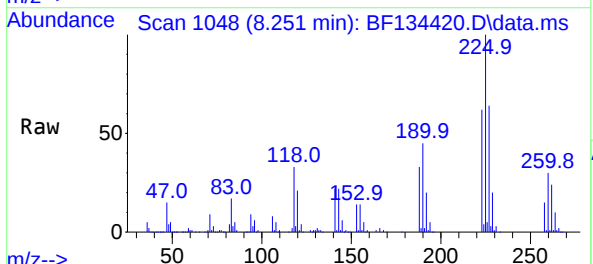
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

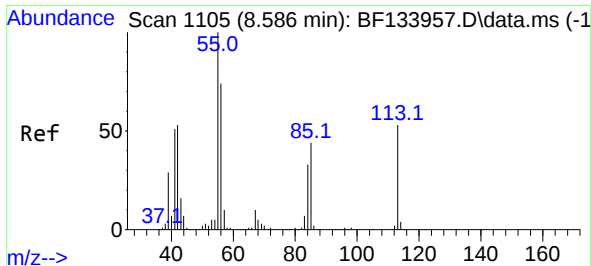


#34
Hexachlorobutadiene
Concen: 46.043 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Tgt Ion:225 Resp: 99585

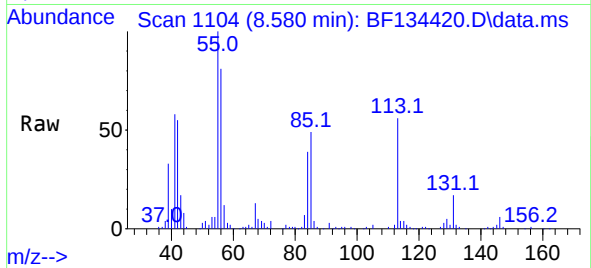
Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.8	74.8
227	64.4	51.0	76.4





#35
 Caprolactam
 Concen: 33.379 ng m
 RT: 8.580 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: BF134420.D
 Acq: 22 Jul 2023 13:56

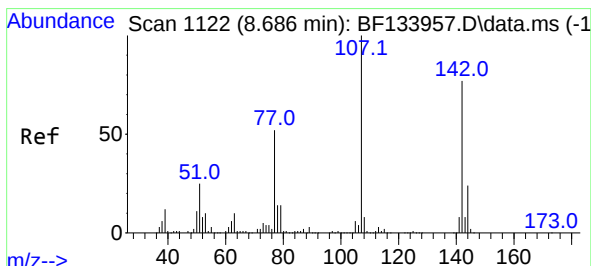
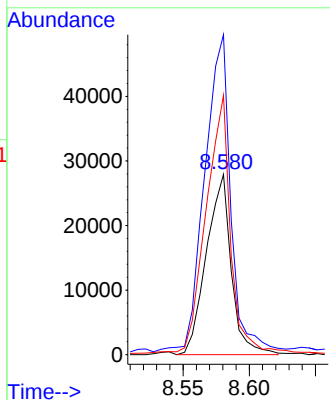
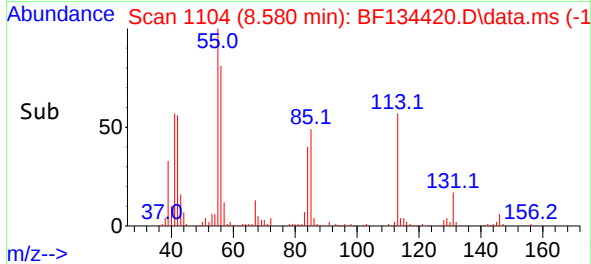
Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUMMSD



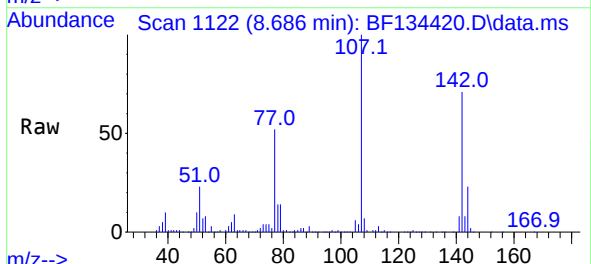
Tgt Ion:113 Resp: 3652
 Ion Ratio Lower Upper
 113 100
 55 177.5 170.2 210.2
 56 143.9 121.4 161.4

Manual Integrations
 APPROVED

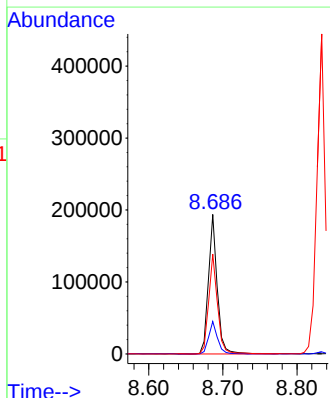
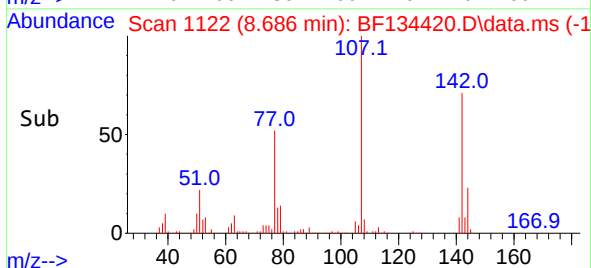
Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

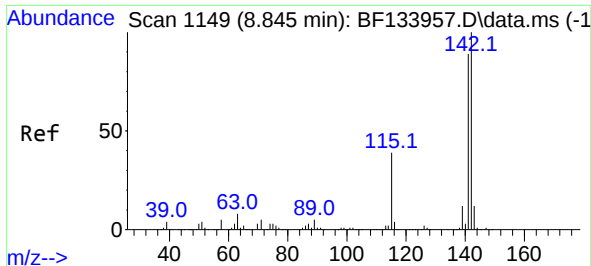


#36
 4-Chloro-3-methylphenol
 Concen: 43.063 ng
 RT: 8.686 min Scan# 1122
 Delta R.T. 0.006 min
 Lab File: BF134420.D
 Acq: 22 Jul 2023 13:56



Tgt Ion:107 Resp: 160754
 Ion Ratio Lower Upper
 107 100
 144 23.3 19.6 29.4
 142 71.5 61.4 92.2





#37

2-Methylnaphthalene

Concen: 42.996 ng

RT: 8.833 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUMMSD

Tgt Ion:142 Resp: 34573

Ion Ratio Lower Upper

142 100

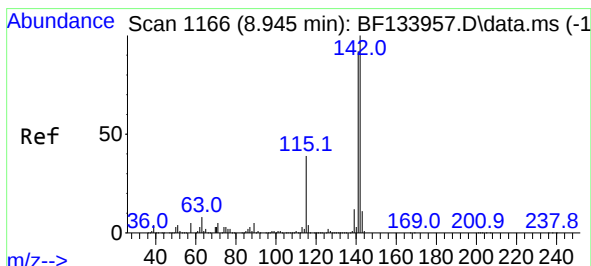
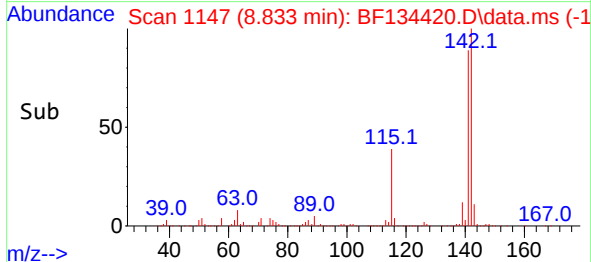
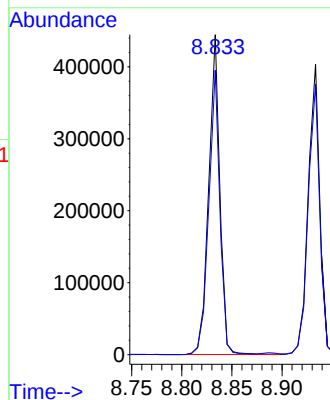
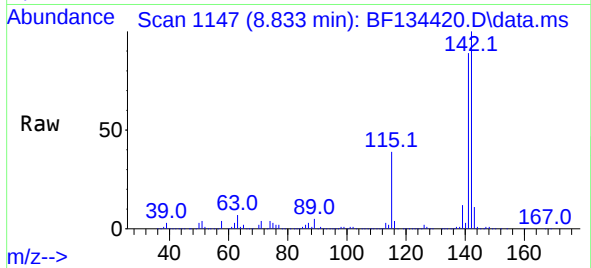
141 88.9 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#38

1-Methylnaphthalene

Concen: 43.462 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF134420.D

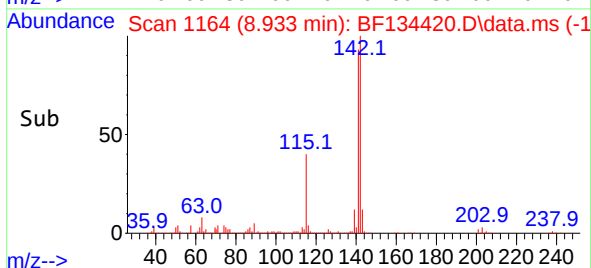
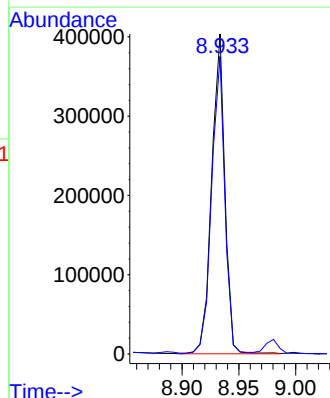
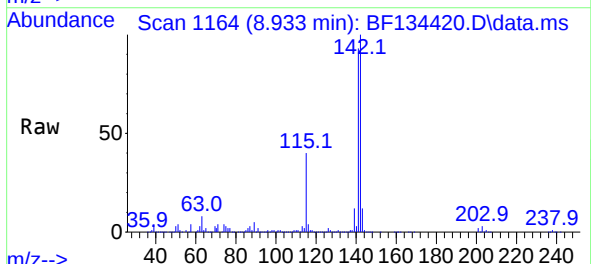
Acq: 22 Jul 2023 13:56

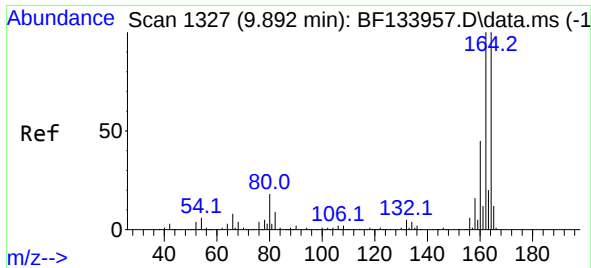
Tgt Ion:142 Resp: 324894

Ion Ratio Lower Upper

142 100

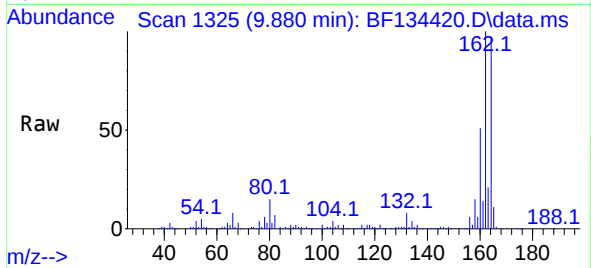
141 93.0 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

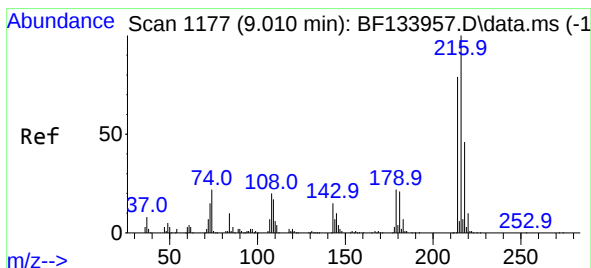
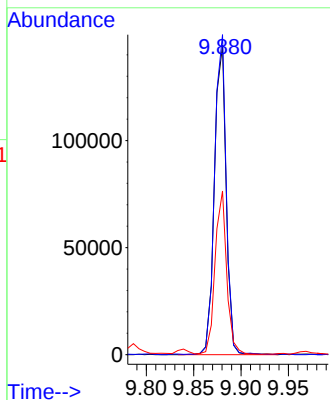
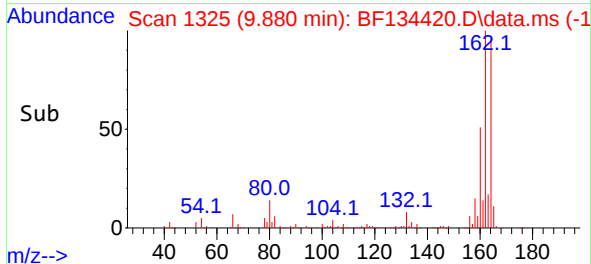
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



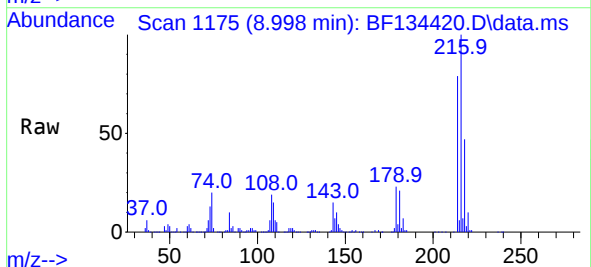
Tgt Ion:164 Resp: 124935
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 52.9 35.9 53.9

Manual Integrations
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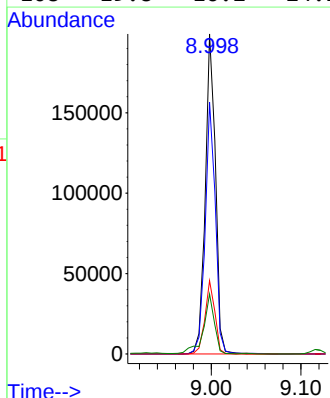
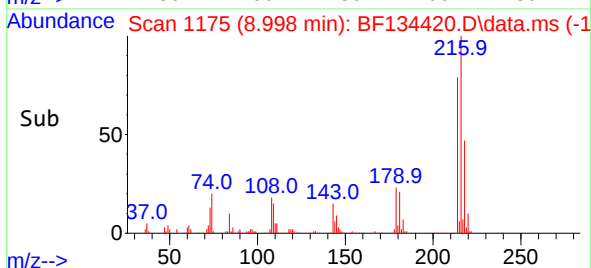
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

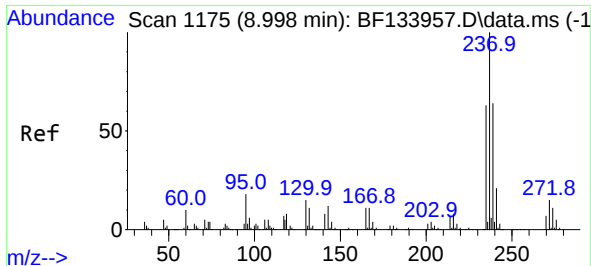


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.345 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



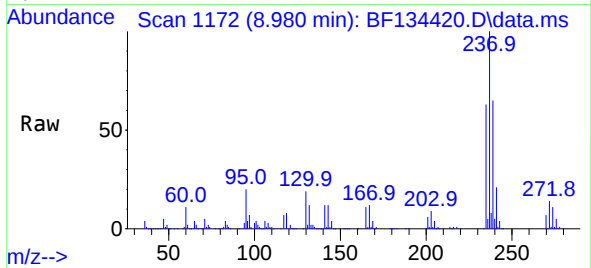
Tgt Ion:216 Resp: 156737
Ion Ratio Lower Upper
216 100
214 78.6 64.1 96.1
179 22.4 17.3 25.9
108 19.8 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 64.757 ng
RT: 8.980 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

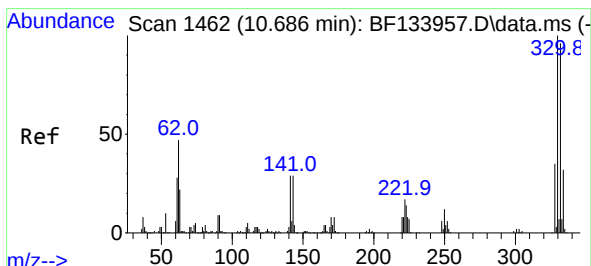
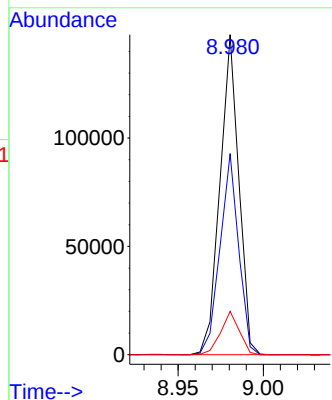
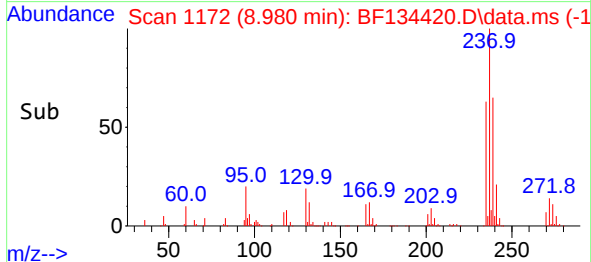
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:237 Resp: 113714
Ion Ratio Lower Upper
237 100
235 62.8 42.8 82.8
272 13.5 0.0 34.6

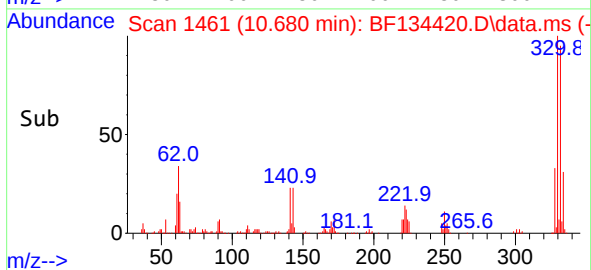
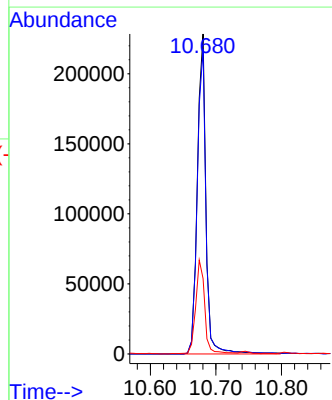
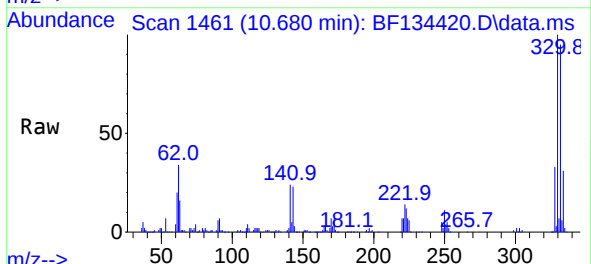
Manual Integrations
APPROVED

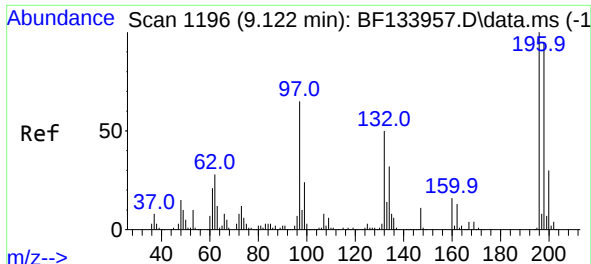
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#42
2,4,6-Tribromophenol
Concen: 133.325 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

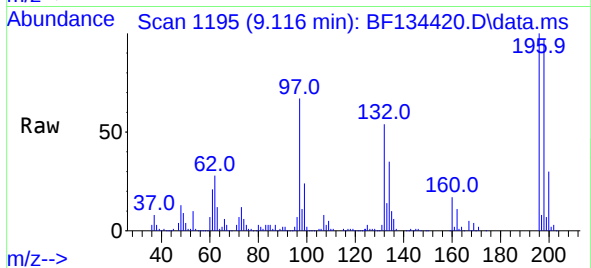
Tgt Ion:330 Resp: 208845
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 31.0 26.3 39.5





#43
2,4,6-Trichlorophenol
Concen: 38.915 ng
RT: 9.116 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

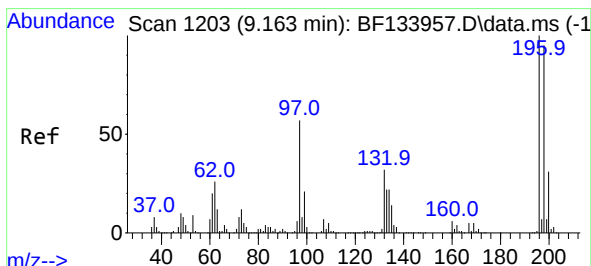
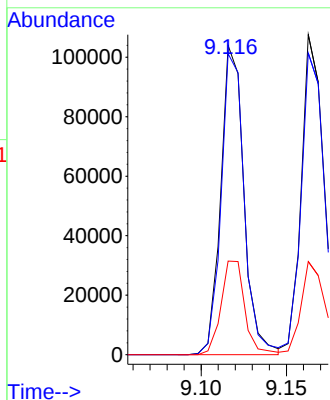
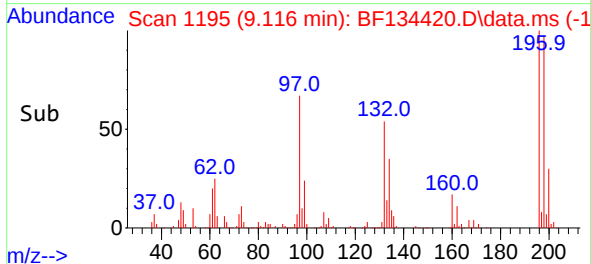
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



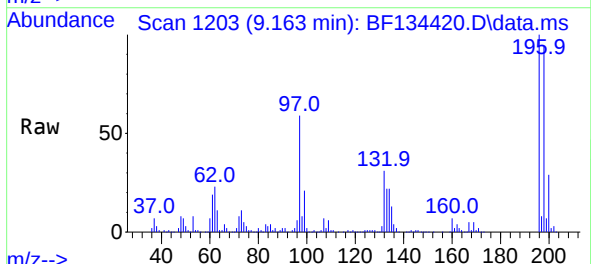
Tgt Ion:196 Resp: 9805
Ion Ratio Lower Upper
196 100
198 97.3 75.6 113.4
200 30.3 24.4 36.6

Manual Integrations
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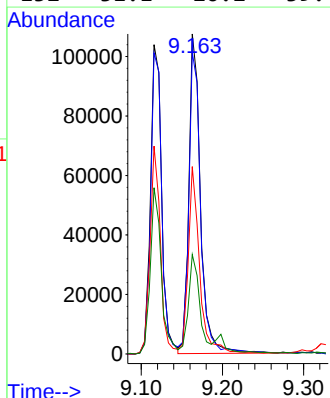
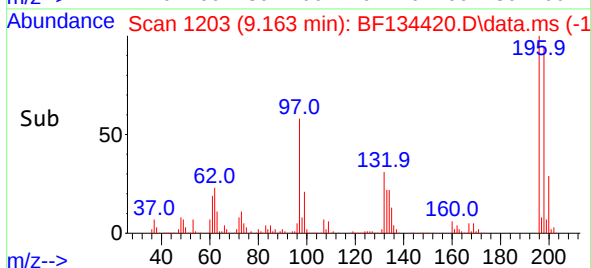
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

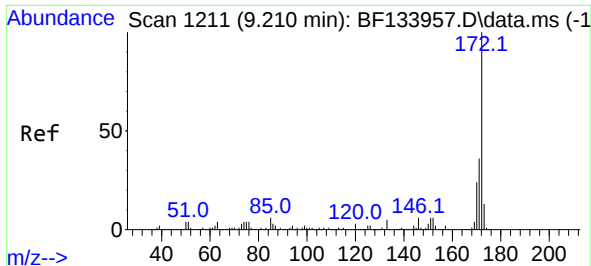


#44
2,4,5-Trichlorophenol
Concen: 36.140 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



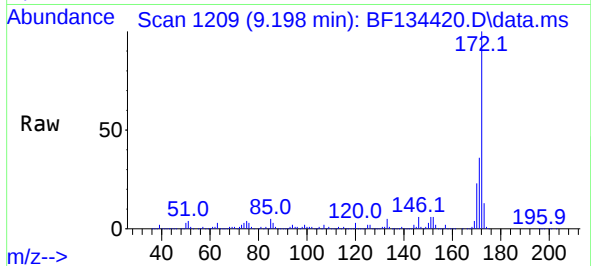
Tgt Ion:196 Resp: 107114
Ion Ratio Lower Upper
196 100
198 94.3 75.7 113.5
97 58.5 45.8 68.6
132 31.1 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 83.433 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

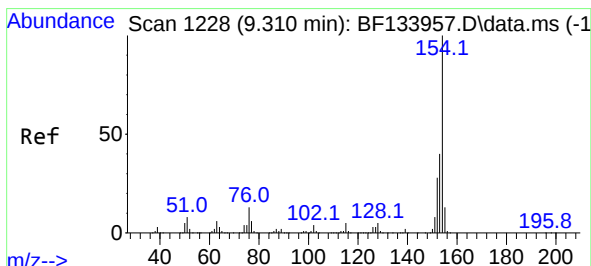
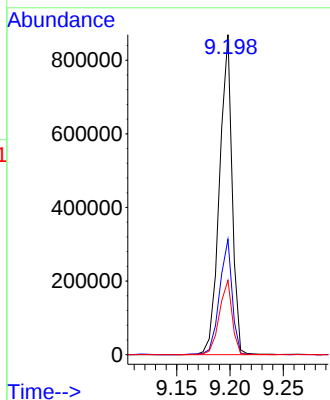
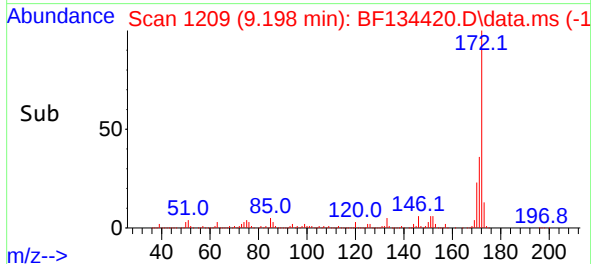
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



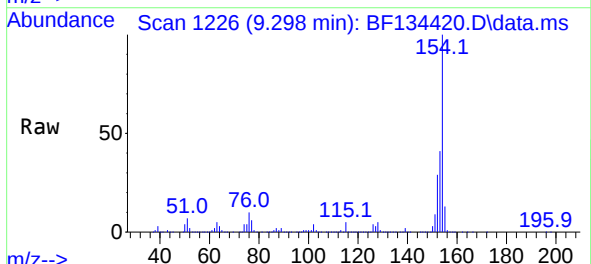
Tgt Ion:172 Resp: 716950
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.3 19.4 29.0

Manual Integrations
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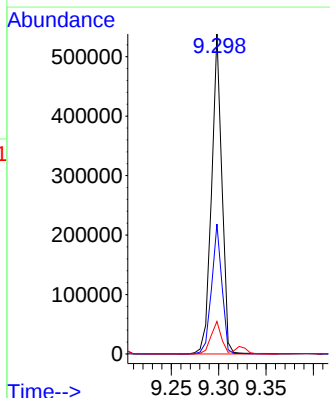
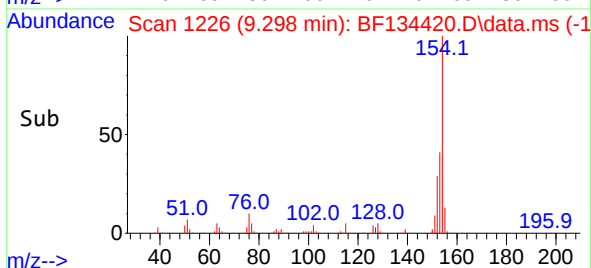
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

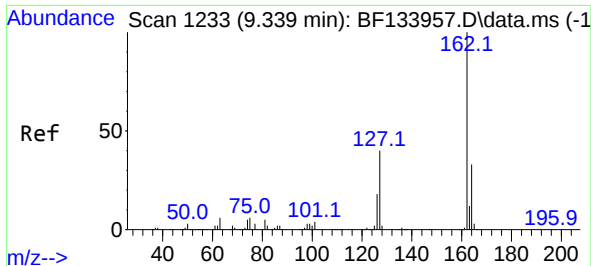


#46
1,1'-Biphenyl
Concen: 40.618 ng
RT: 9.298 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



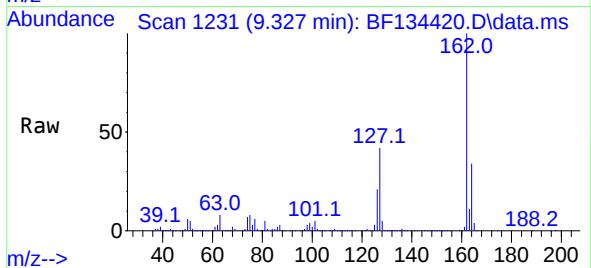
Tgt Ion:154 Resp: 407068
Ion Ratio Lower Upper
154 100
153 40.6 19.8 59.8
76 10.2 0.0 32.9





#47
2-Chloronaphthalene
Concen: 41.512 ng
RT: 9.327 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

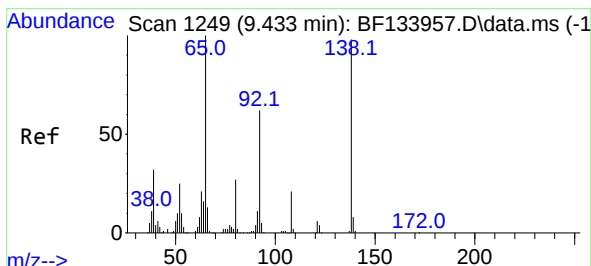
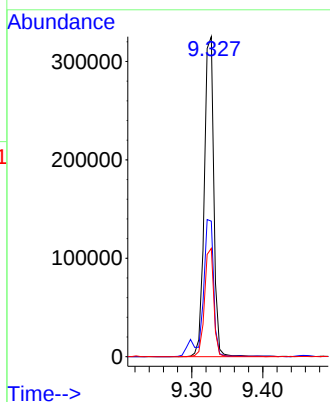
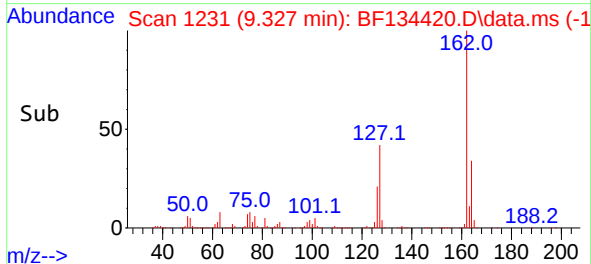
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



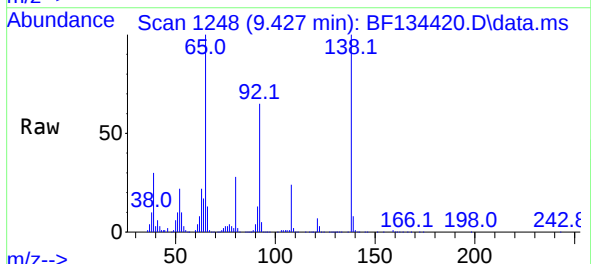
Tgt Ion:162 Resp: 304390
Ion Ratio Lower Upper
162 100
127 42.4 32.9 49.3
164 33.9 26.1 39.1

Manual Integrations
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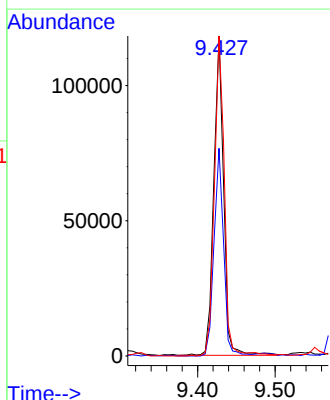
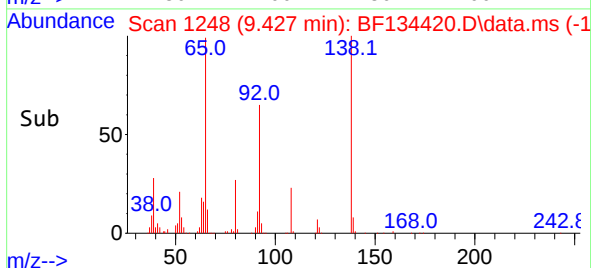
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

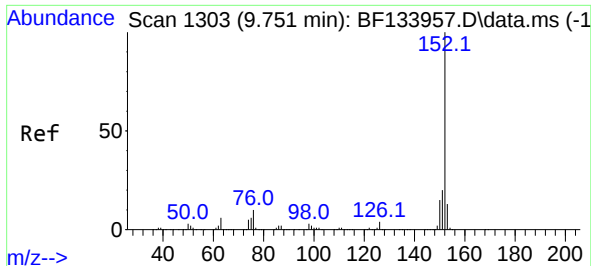


#48
2-Nitroaniline
Concen: 38.903 ng
RT: 9.427 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



Tgt Ion: 65 Resp: 103963
Ion Ratio Lower Upper
65 100
92 64.9 49.5 74.3
138 100.0 78.0 117.0





#49

Acenaphthylene

Concen: 39.273 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUMMSD

Tgt Ion:152 Resp: 49192

Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.2

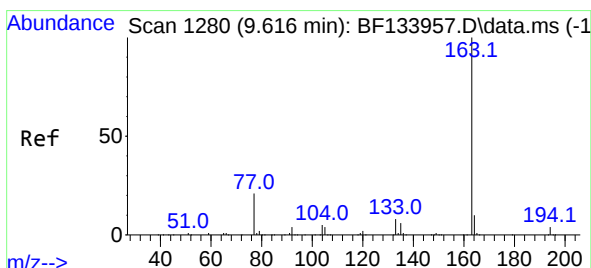
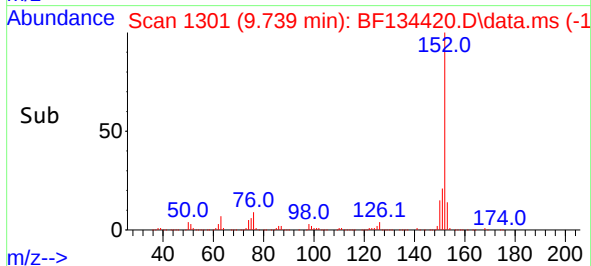
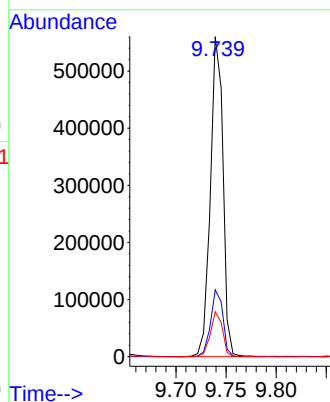
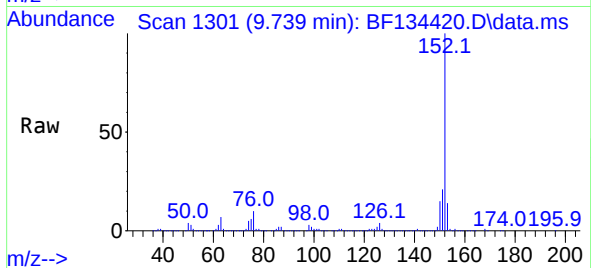
153 14.0 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#50

Dimethylphthalate

Concen: 40.442 ng

RT: 9.604 min Scan# 1278

Delta R.T. -0.000 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

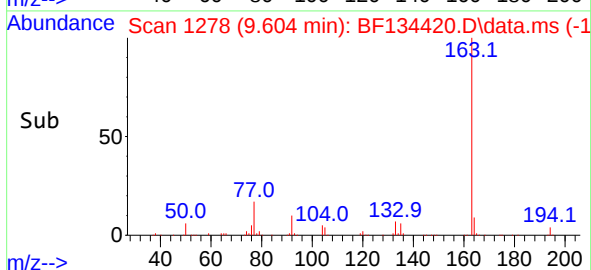
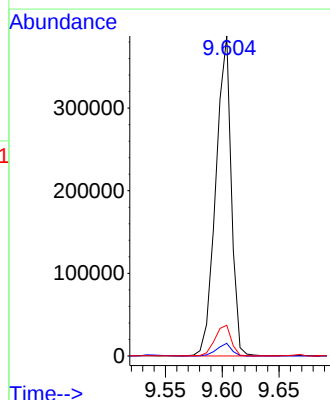
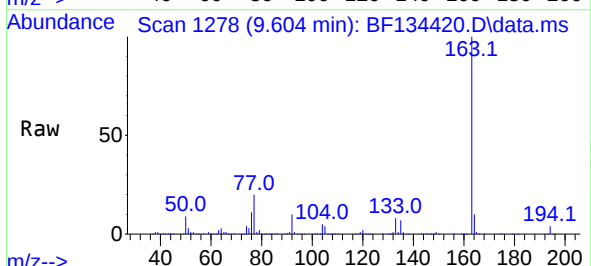
Tgt Ion:163 Resp: 366767

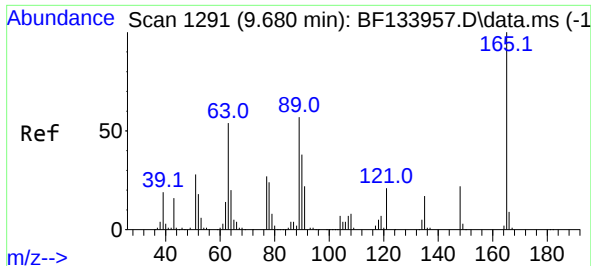
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

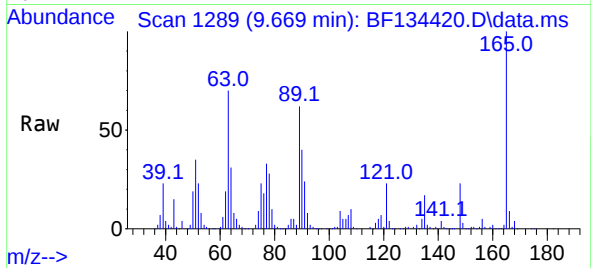
164 9.6 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 41.294 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

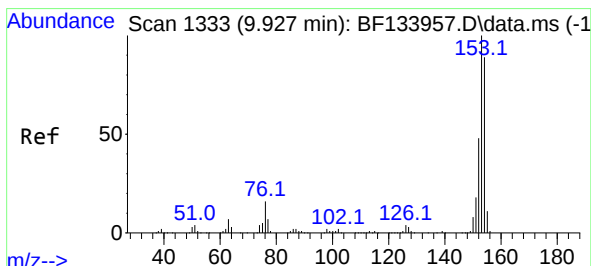
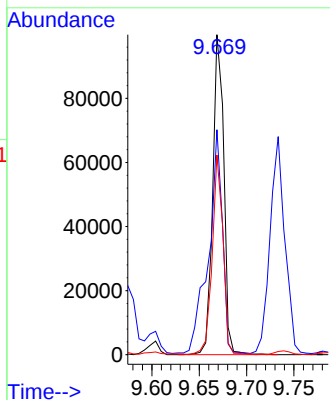
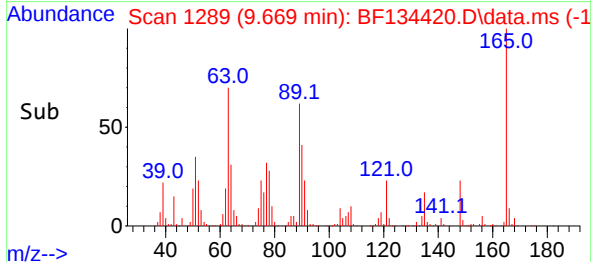
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:165 Resp: 8066
Ion Ratio Lower Upper
165 100
63 70.3 48.5 72.7
89 62.4 45.5 68.3

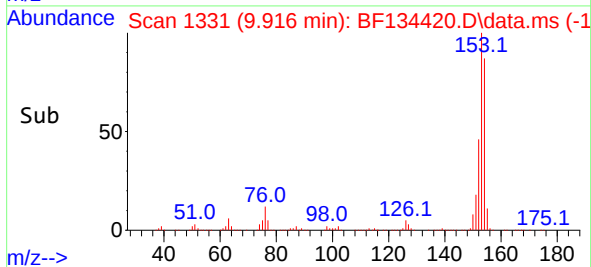
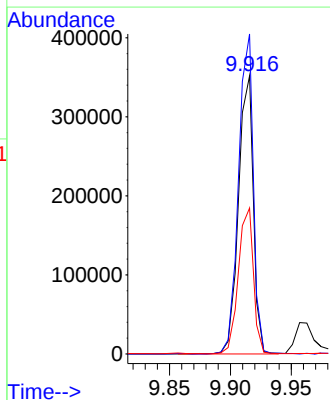
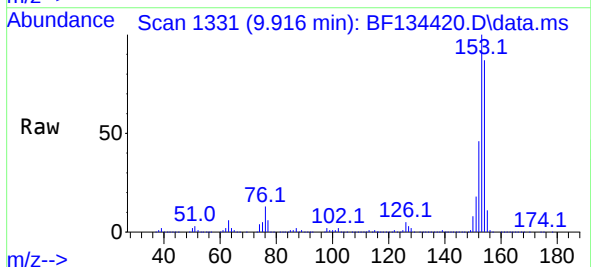
Manual Integrations
APPROVED

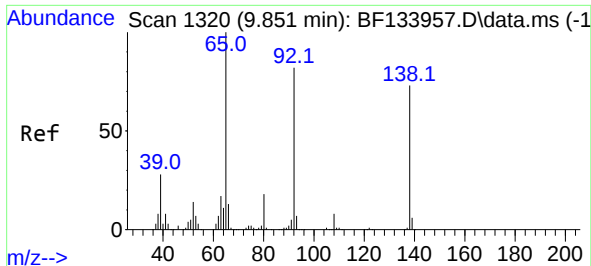
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#52
Acenaphthene
Concen: 41.307 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

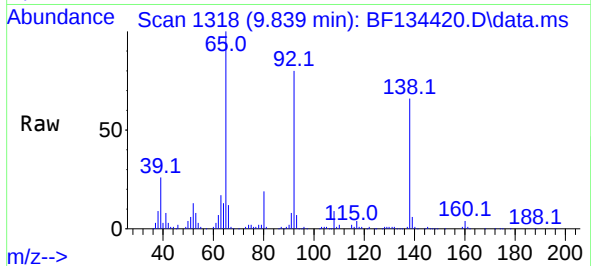
Tgt Ion:154 Resp: 300232
Ion Ratio Lower Upper
154 100
153 115.1 89.4 134.2
152 52.5 42.8 64.2





#53
3-Nitroaniline
Concen: 16.627 ng
RT: 9.839 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

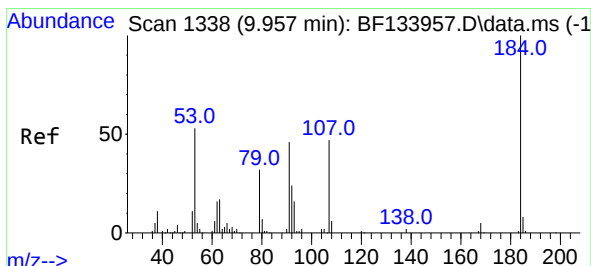
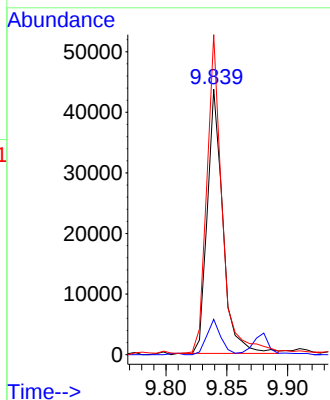
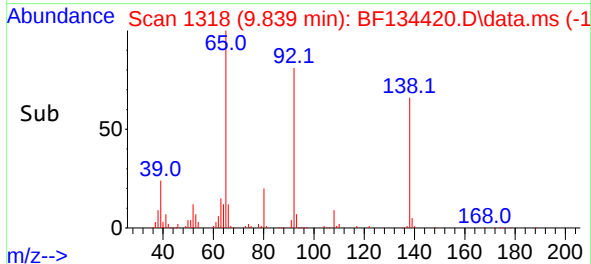
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



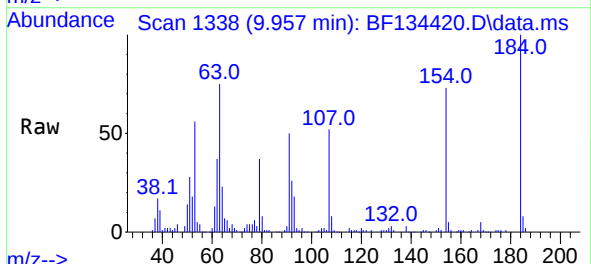
Tgt Ion:138 Resp: 3896
Ion Ratio Lower Upper
138 100
108 13.3 8.4 12.6
92 120.6 90.1 135.1

Manual Integrations
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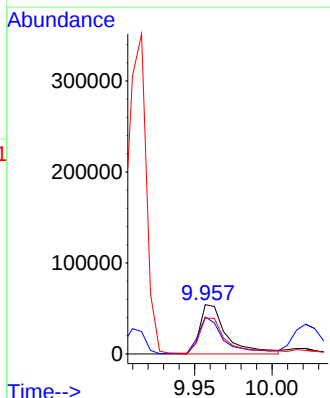
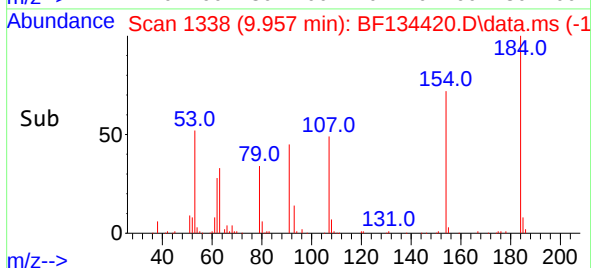
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

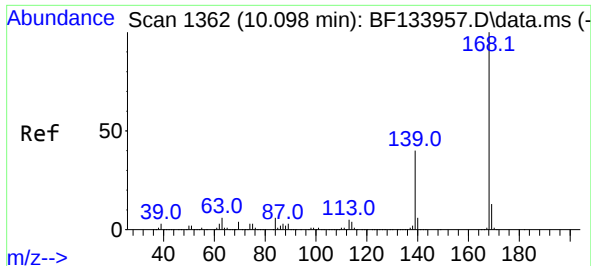


#54
2,4-Dinitrophenol
Concen: 58.808 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



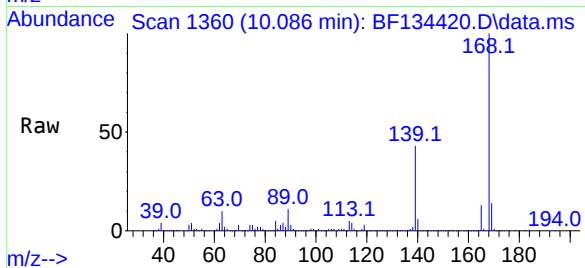
Tgt Ion:184 Resp: 65126
Ion Ratio Lower Upper
184 100
63 75.0 56.9 85.3
154 73.2 55.4 83.0





#55
Dibenzenofuran
Concen: 39.695 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

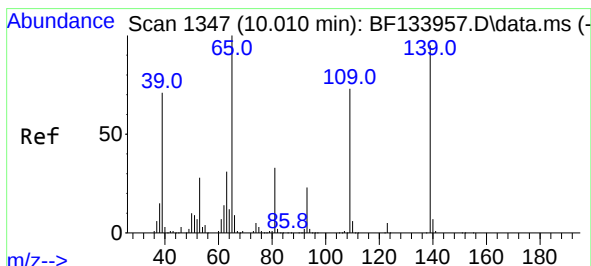
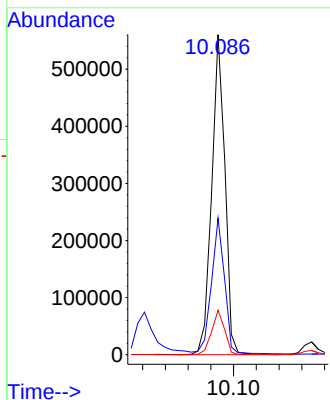
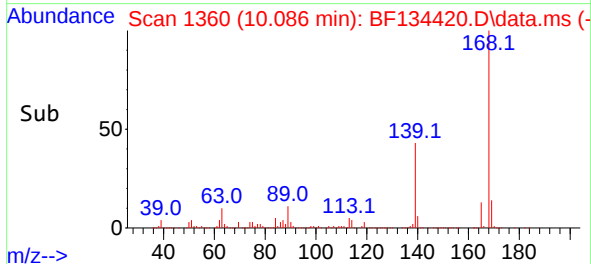
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



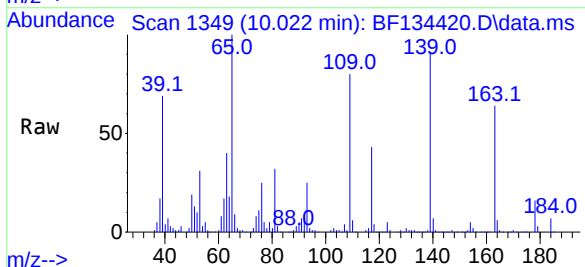
Tgt Ion:168 Resp: 450899
Ion Ratio Lower Upper
168 100
139 42.7 32.0 48.0
169 13.9 10.6 16.0

Manual Integrations
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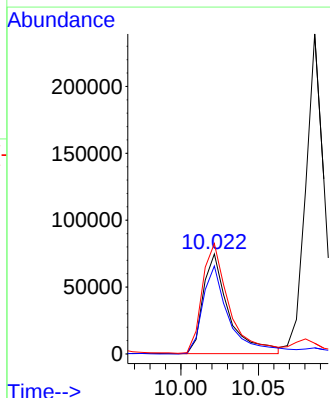
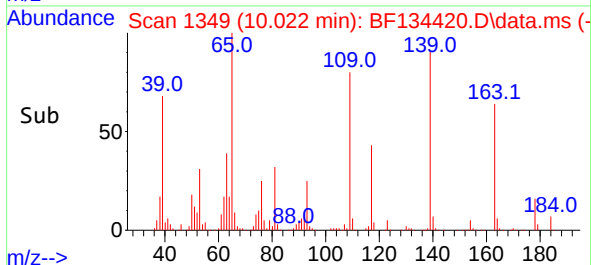
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

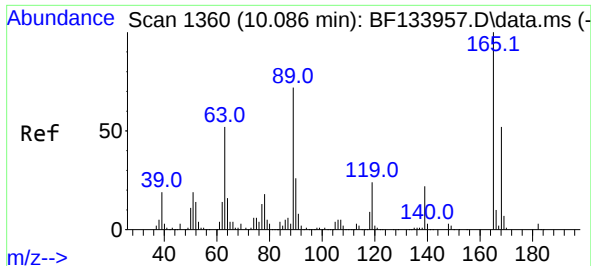


#56
4-Nitrophenol
Concen: 52.733 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



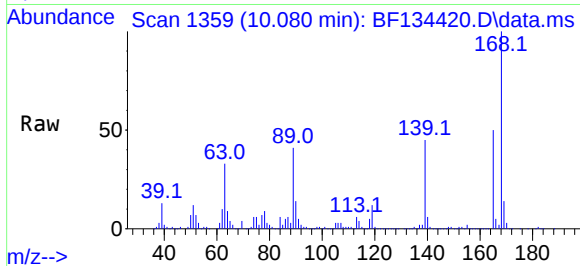
Tgt Ion:139 Resp: 86437
Ion Ratio Lower Upper
139 100
109 88.0 56.8 96.8
65 110.4 86.1 126.1





#57
2,4-Dinitrotoluene
Concen: 41.996 ng
RT: 10.080 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

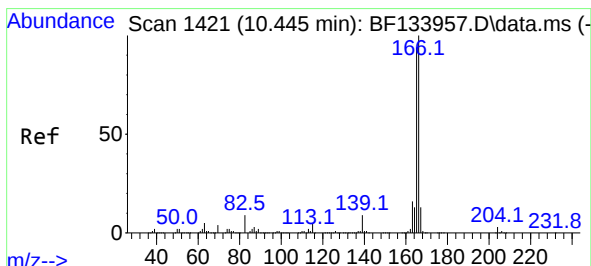
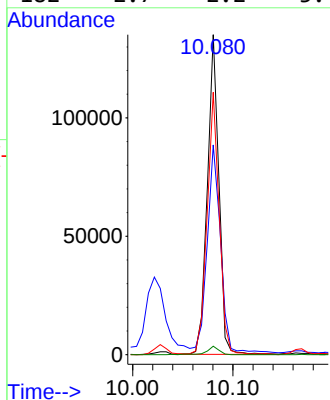
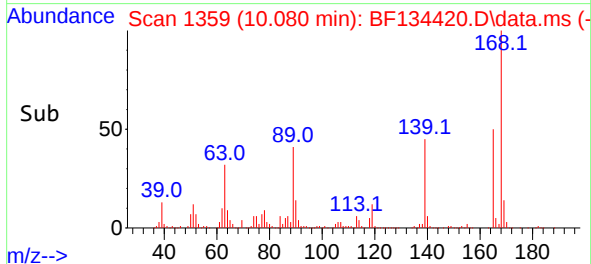
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



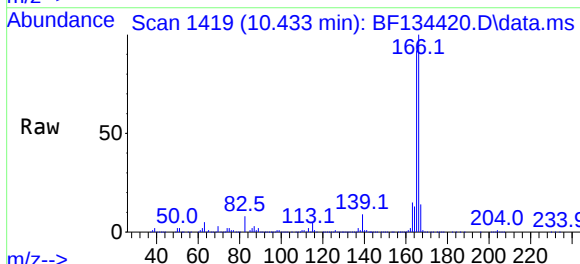
Tgt Ion:165 Resp: 108333
Ion Ratio Lower Upper
165 100
63 65.5 42.2 63.2
89 82.0 57.4 86.2
182 2.7 2.2 3.4

Manual Integrations
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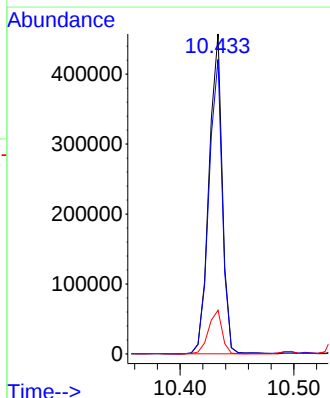
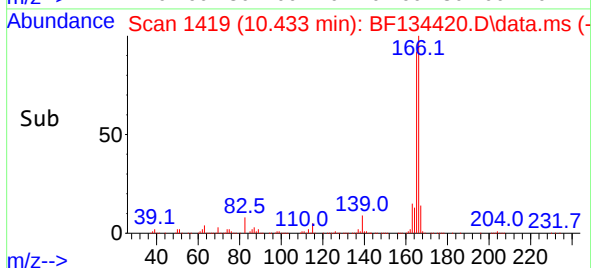
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

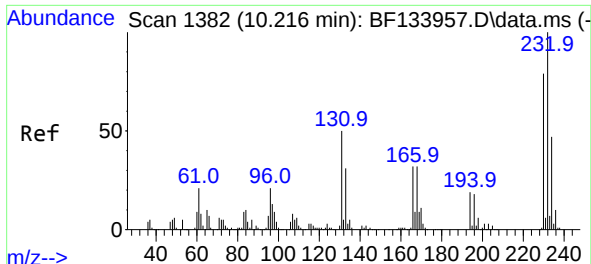


#58
Fluorene
Concen: 41.952 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



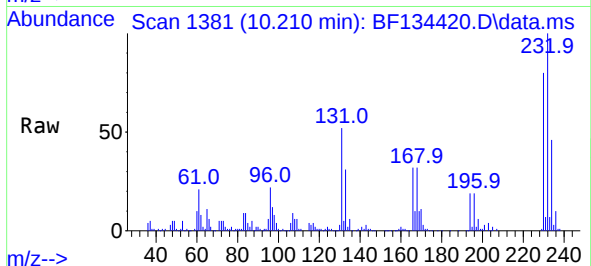
Tgt Ion:166 Resp: 370738
Ion Ratio Lower Upper
166 100
165 92.0 75.0 112.4
167 13.6 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.988 ng
RT: 10.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

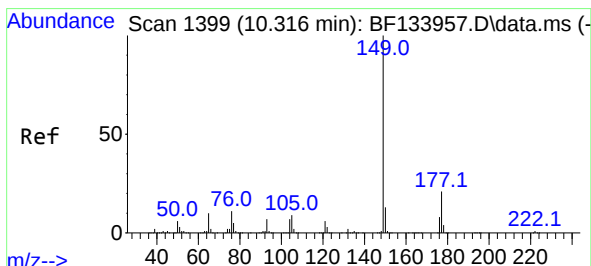
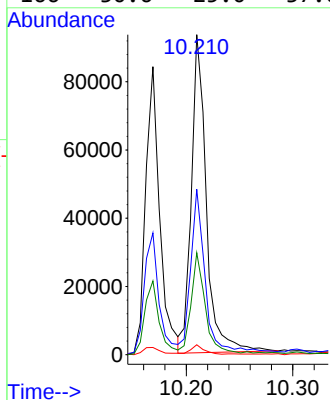
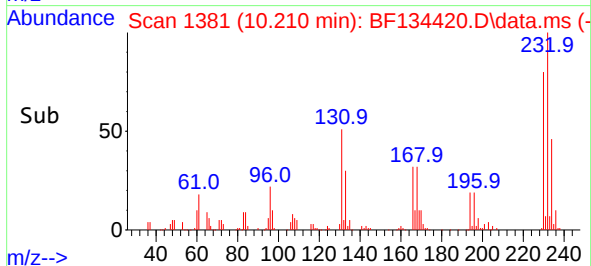
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



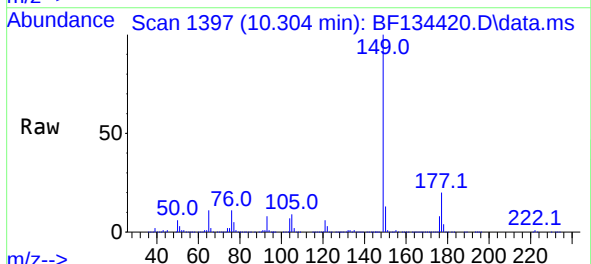
Tgt Ion:232 Resp: 9115
Ion Ratio Lower Upper
232 100
131 49.3 39.3 58.9
130 2.6 1.8 2.6
166 30.6 25.0 37.6

Manual Integrations
APPROVED

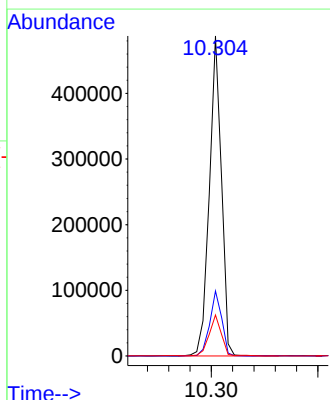
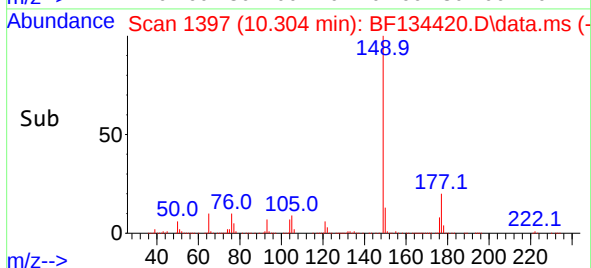
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

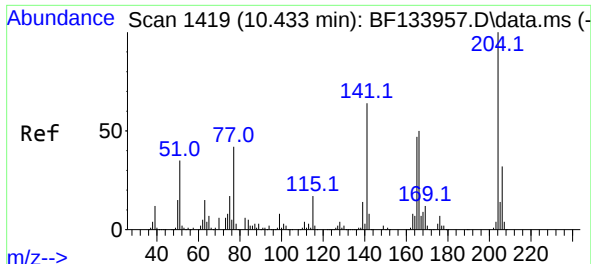


#60
Diethylphthalate
Concen: 40.540 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



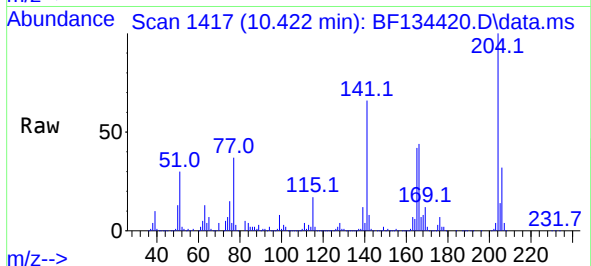
Tgt Ion:149 Resp: 383044
Ion Ratio Lower Upper
149 100
177 20.3 17.0 25.6
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 41.927 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

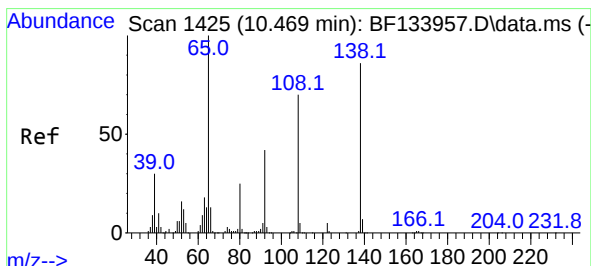
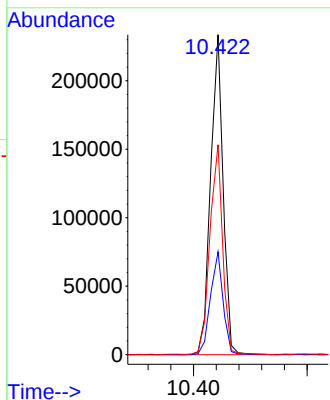
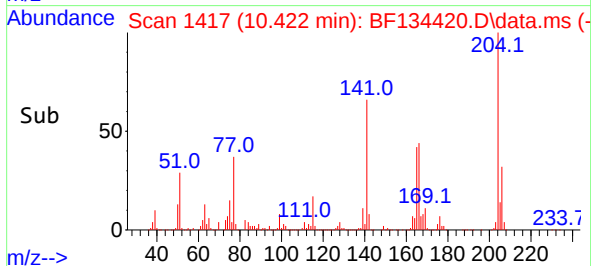
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



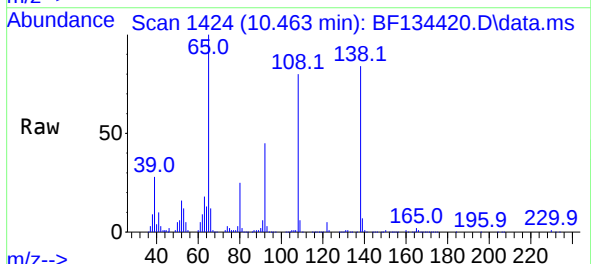
Tgt Ion:204 Resp: 17856
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.6
141 65.6 51.5 77.3

Manual Integrations
APPROVED

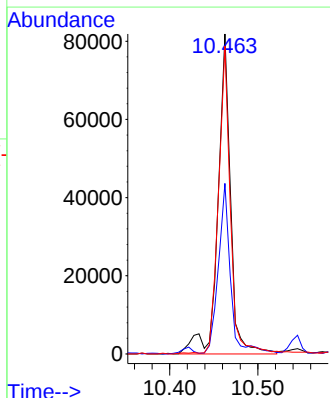
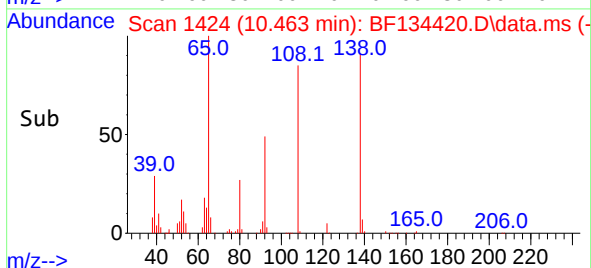
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

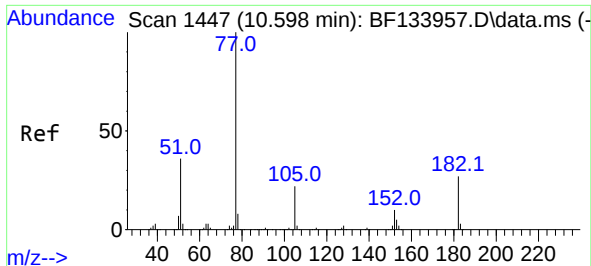


#62
4-Nitroaniline
Concen: 34.676 ng m
RT: 10.463 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



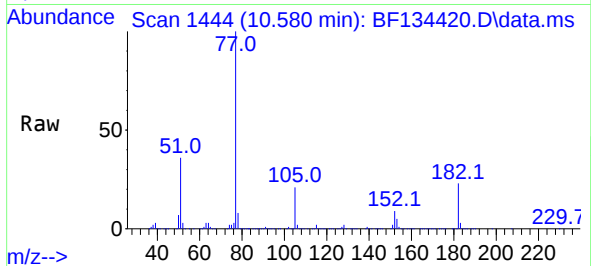
Tgt Ion:138 Resp: 81891
Ion Ratio Lower Upper
138 100
92 53.3 29.7 69.7
108 96.2 62.1 102.1





#63
Azobenzene
Concen: 38.276 ng
RT: 10.580 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

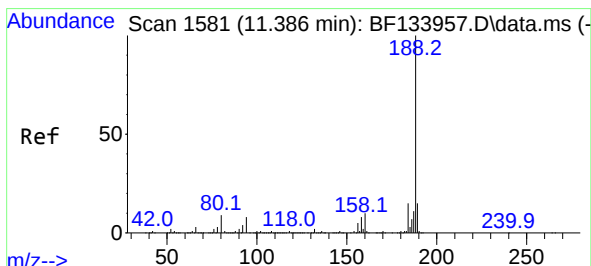
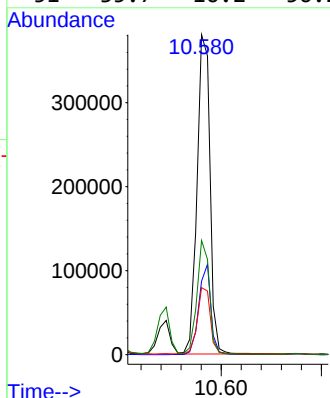
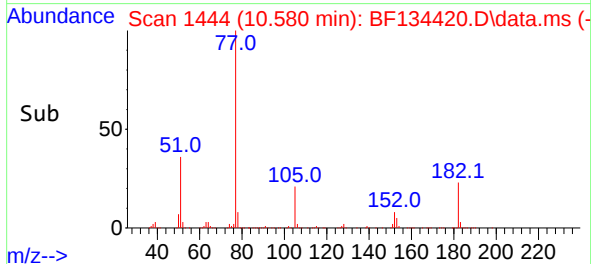
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion: 77 Resp: 342098
Ion Ratio Lower Upper
77 100
182 23.0 6.8 46.8
105 21.0 2.3 42.3
51 35.7 16.2 56.2

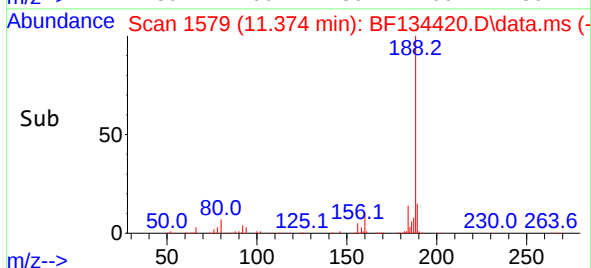
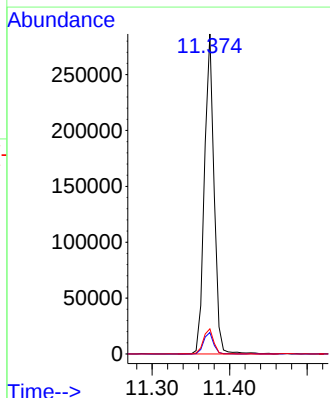
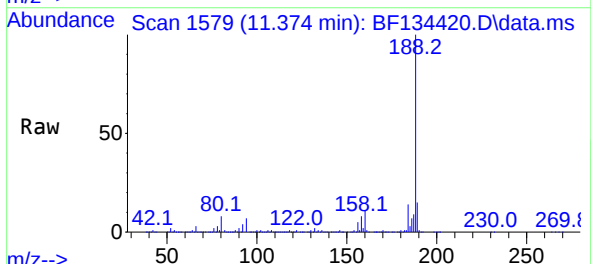
Manual Integrations
APPROVED

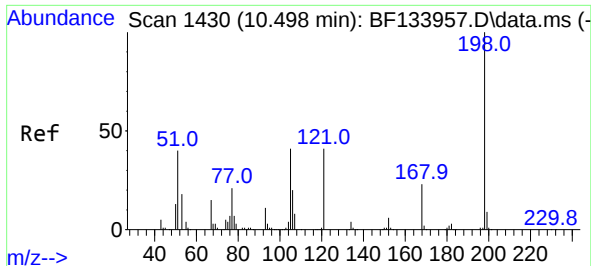
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

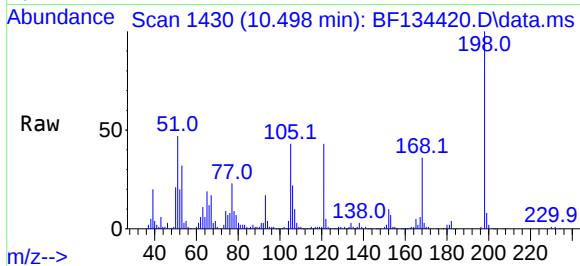
Tgt Ion:188 Resp: 247473
Ion Ratio Lower Upper
188 100
94 6.7 6.4 9.6
80 7.8 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 38.355 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

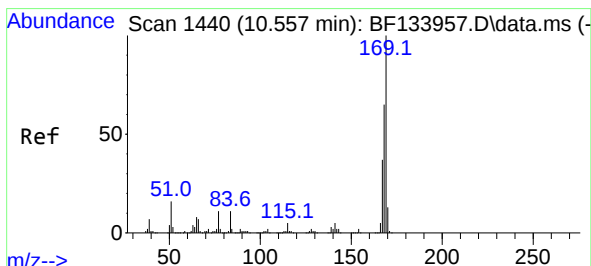
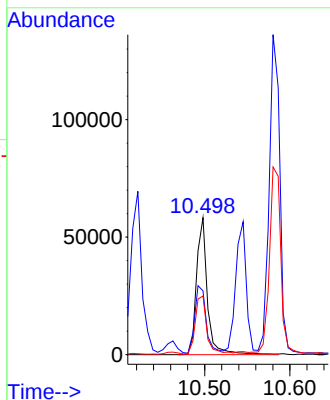
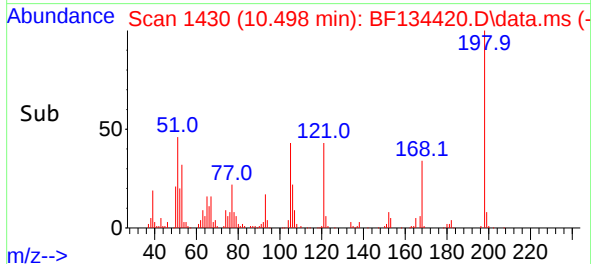
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



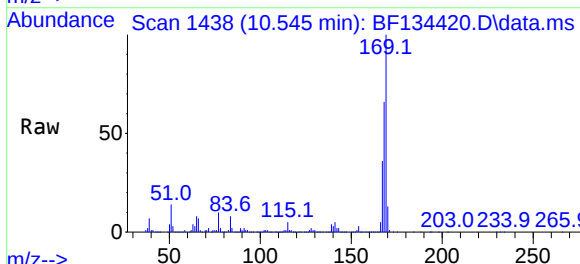
Tgt Ion:198 Resp: 51749
Ion Ratio Lower Upper
198 100
51 46.6 29.3 69.3
105 42.9 22.4 62.4

Manual Integrations
APPROVED

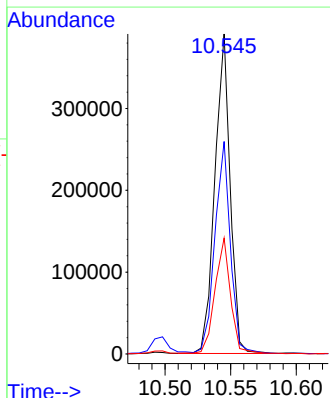
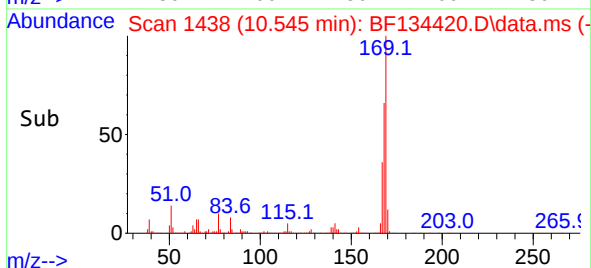
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

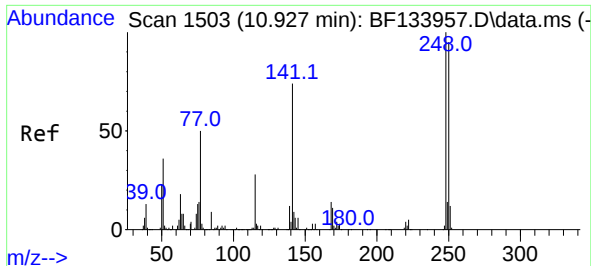


#66
n-Nitrosodiphenylamine
Concen: 39.998 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



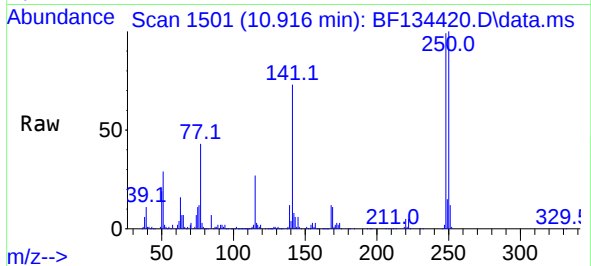
Tgt Ion:169 Resp: 316255
Ion Ratio Lower Upper
169 100
168 66.4 52.3 78.5
167 36.2 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 41.427 ng
RT: 10.916 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

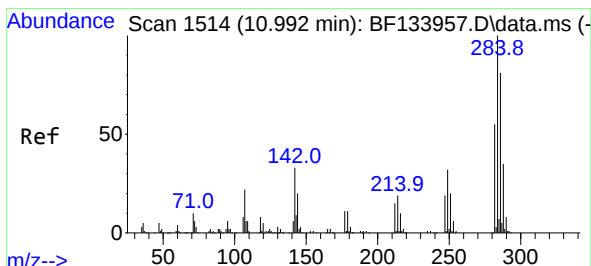
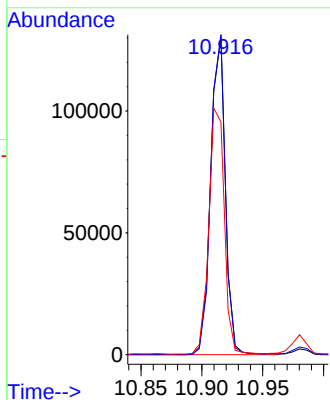
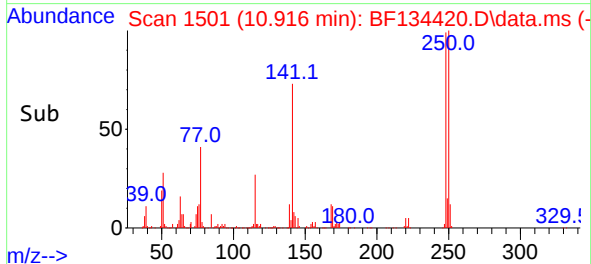
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



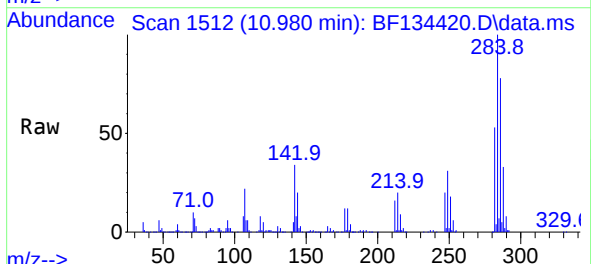
Tgt Ion:248 Resp: 108968
Ion Ratio Lower Upper
248 100
250 100.8 76.2 114.4
141 73.3 59.0 88.4

Manual Integrations
APPROVED

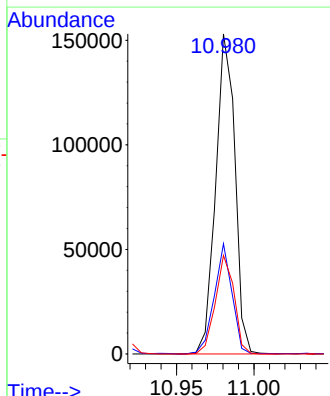
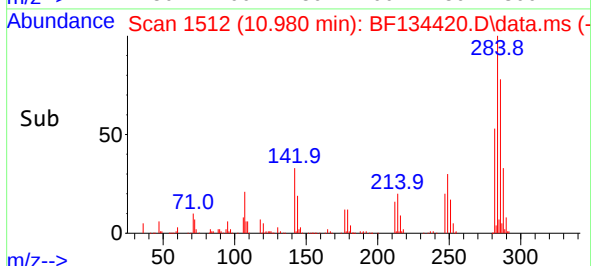
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

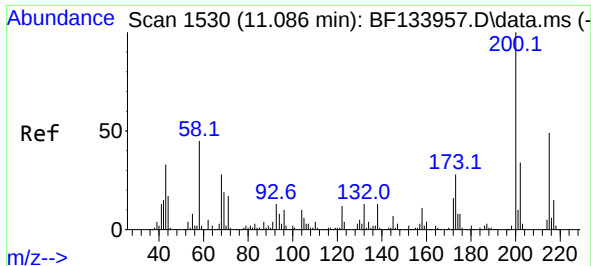


#68
Hexachlorobenzene
Concen: 47.254 ng
RT: 10.980 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



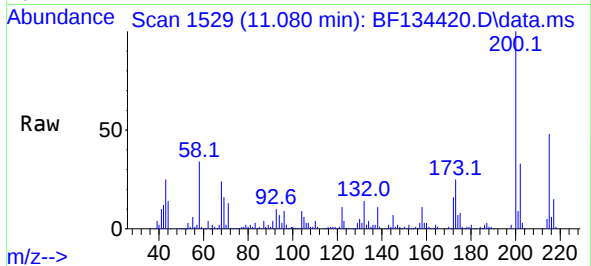
Tgt Ion:284 Resp: 131970
Ion Ratio Lower Upper
284 100
142 34.4 26.6 40.0
249 30.8 25.5 38.3





#69
Atrazine
Concen: 48.847 ng
RT: 11.080 min Scan# 11080
Delta R.T. 0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

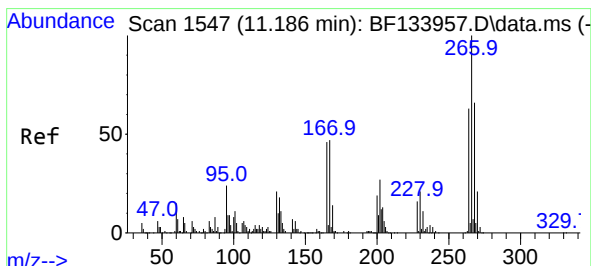
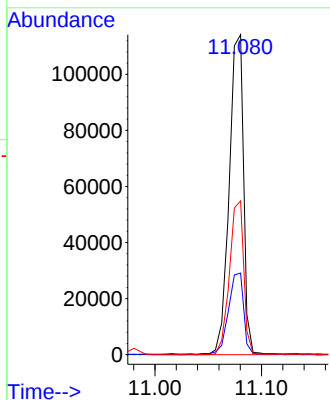
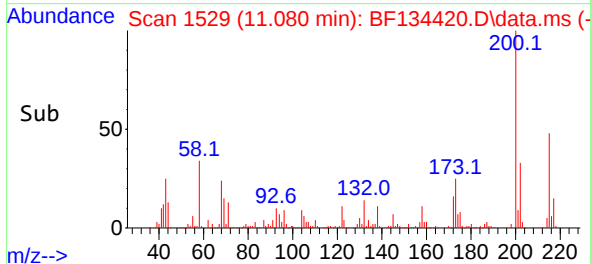
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



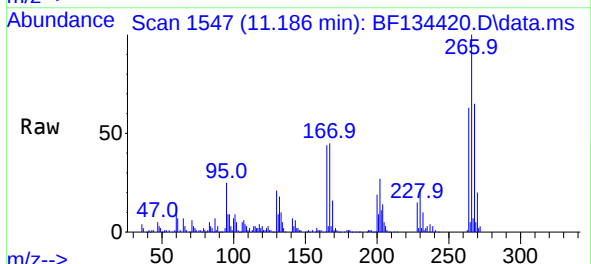
Tgt Ion:200 Resp: 10683
Ion Ratio Lower Upper
200 100
173 25.5 8.0 48.0
215 48.1 29.3 69.3

Manual Integrations
APPROVED

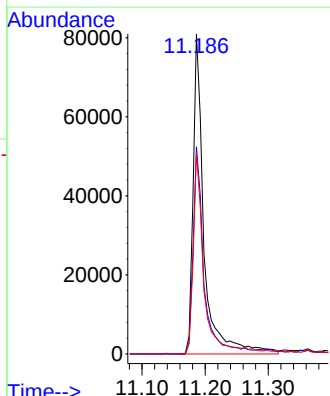
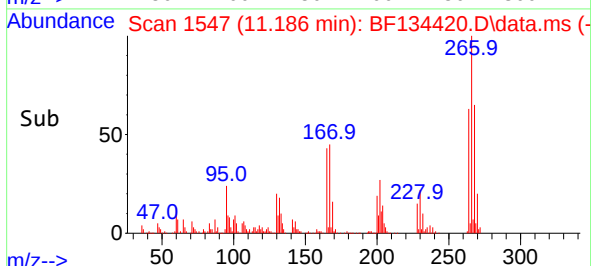
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

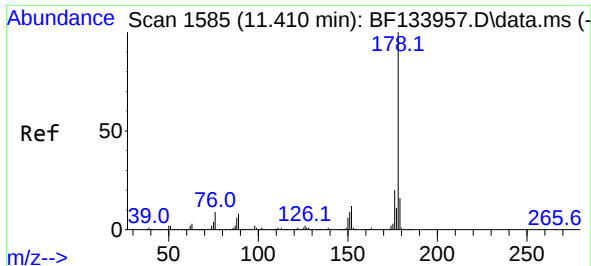


#70
Pentachlorophenol
Concen: 58.123 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



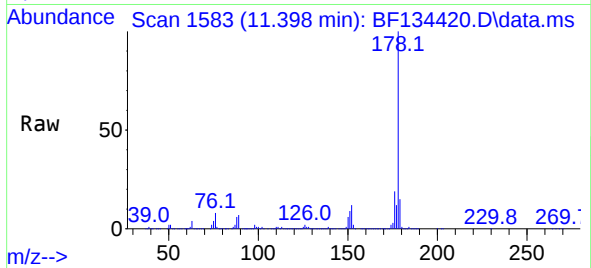
Tgt Ion:266 Resp: 97057
Ion Ratio Lower Upper
266 100
268 64.7 52.6 79.0
264 63.1 50.6 76.0





#71
Phenanthrene
Concen: 41.823 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

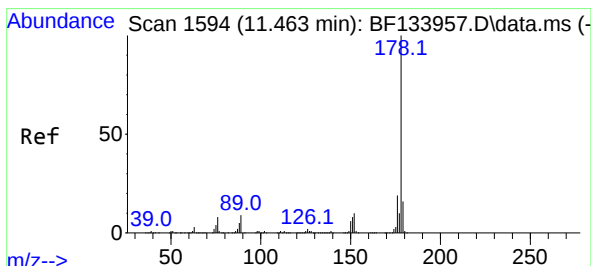
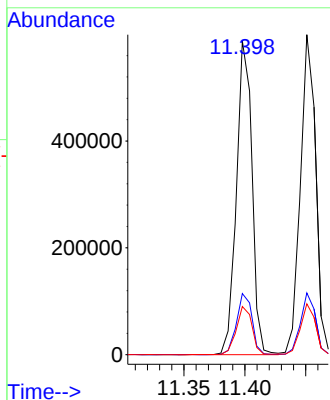
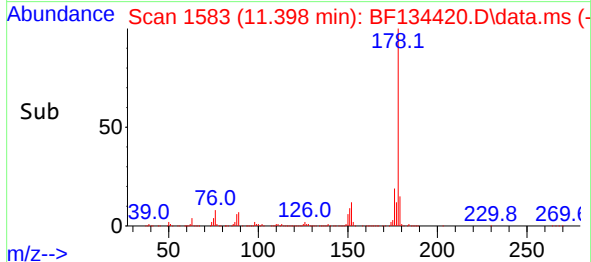
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



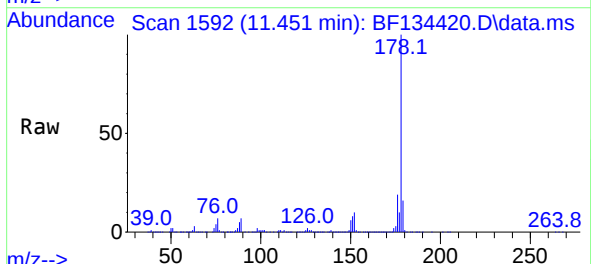
Tgt Ion:178 Resp: 521035
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 12.4 18.6

Manual Integrations
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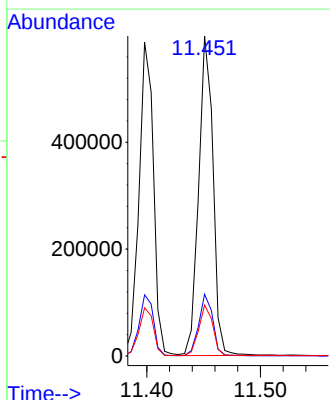
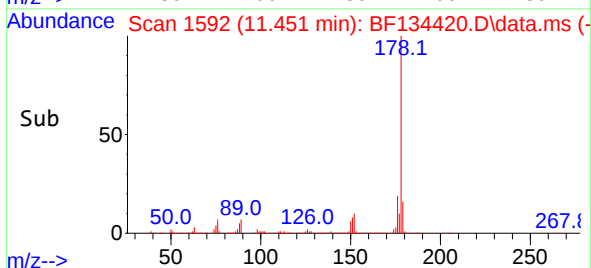
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

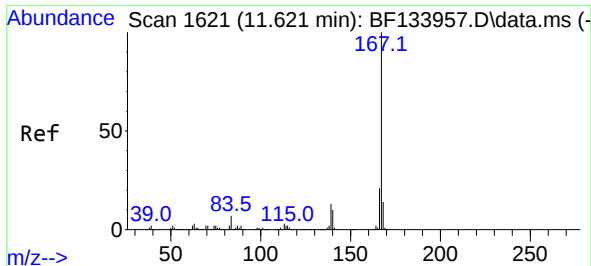


#72
Anthracene
Concen: 40.644 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



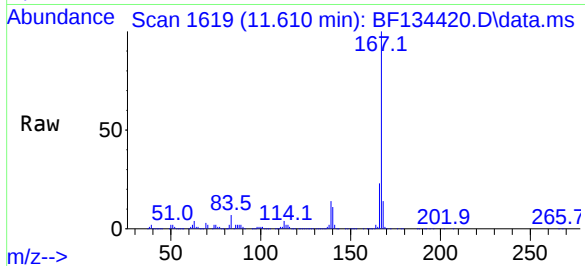
Tgt Ion:178 Resp: 526661
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.9 12.4 18.6





#73
Carbazole
Concen: 41.669 ng
RT: 11.610 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

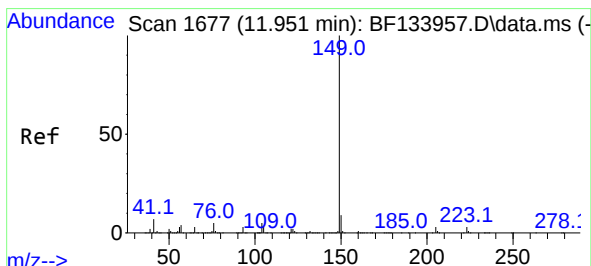
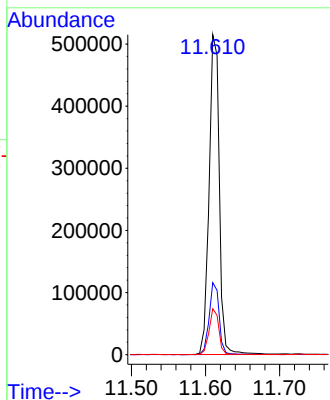
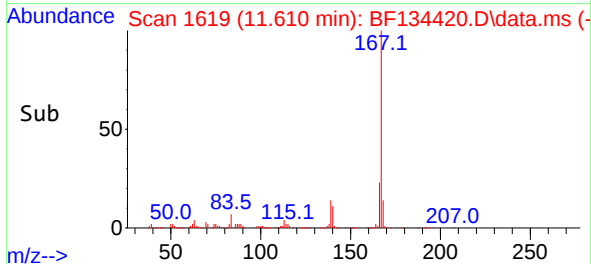
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



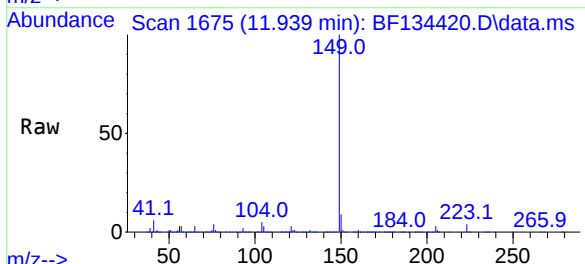
Tgt Ion:167 Resp: 494211
Ion Ratio Lower Upper
167 100
166 22.5 17.0 25.6
139 14.4 10.4 15.6

Manual Integrations
APPROVED

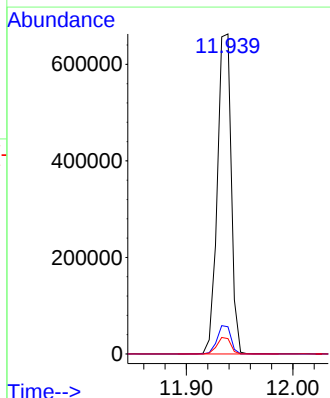
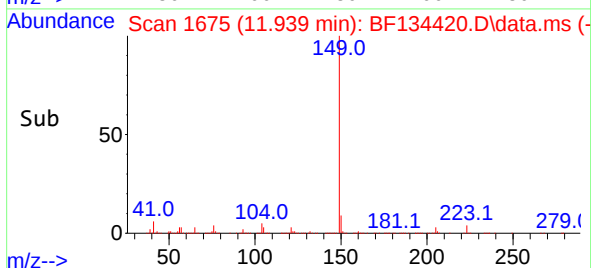
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

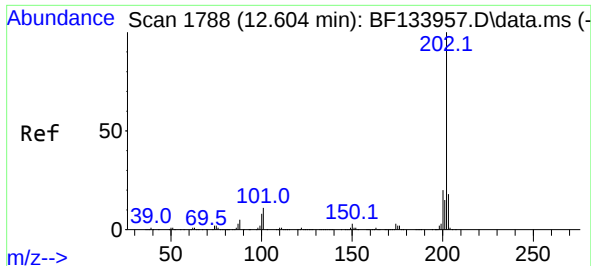


#74
Di-n-butylphthalate
Concen: 42.444 ng
RT: 11.939 min Scan# 1675
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



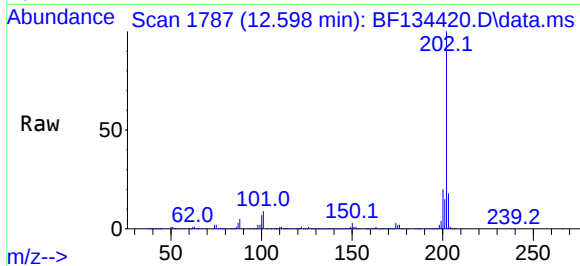
Tgt Ion:149 Resp: 598649
Ion Ratio Lower Upper
149 100
150 8.5 7.1 10.7
104 4.8 4.0 6.0





#75
Fluoranthene
Concen: 42.524 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

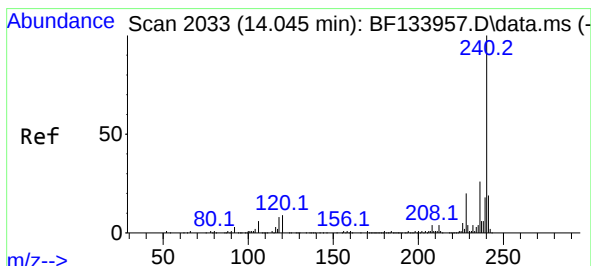
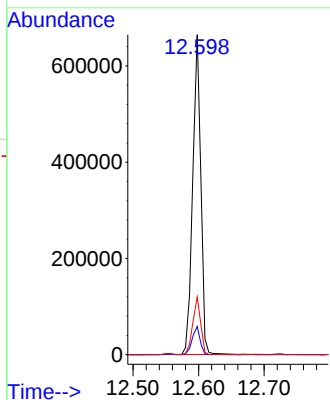
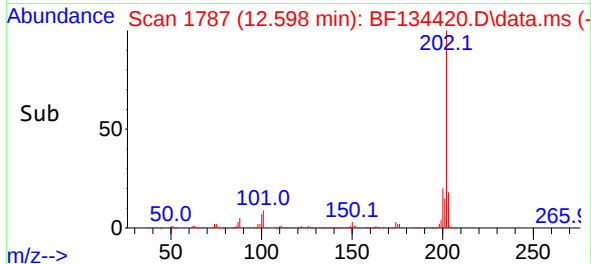
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



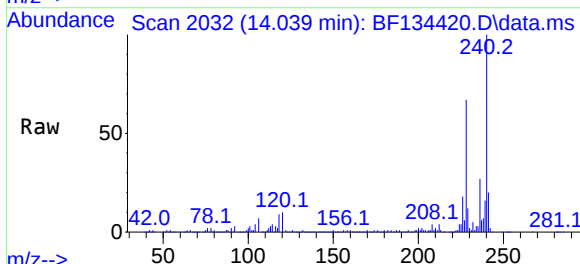
Tgt Ion:202 Resp: 57272
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.0
203 18.0 0.0 37.6

Manual Integrations
APPROVED

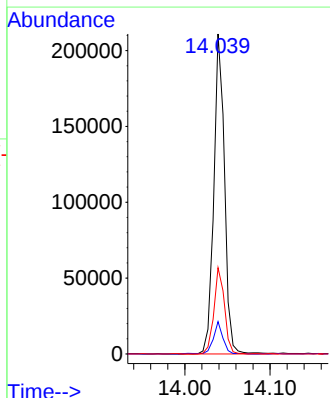
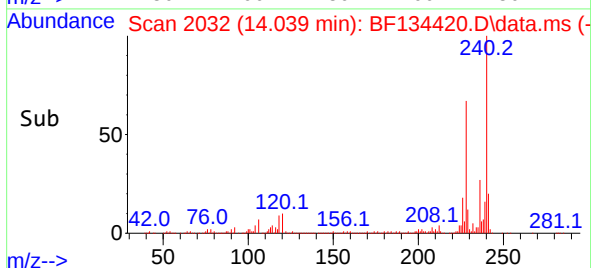
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

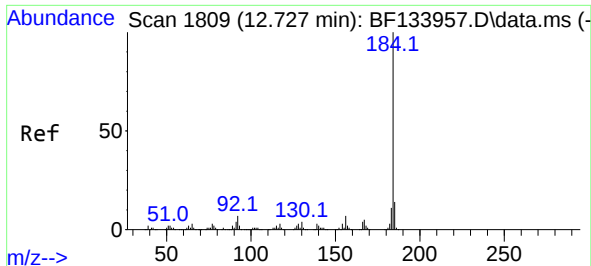


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



Tgt Ion:240 Resp: 184601
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 26.9 21.0 31.6





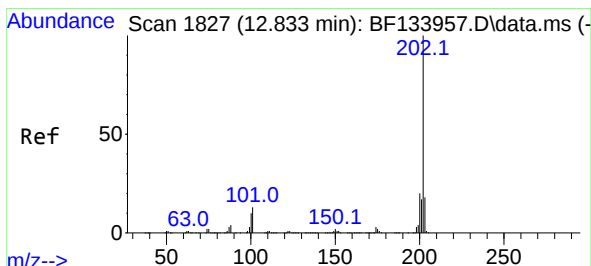
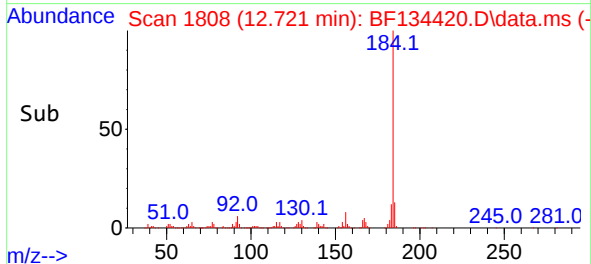
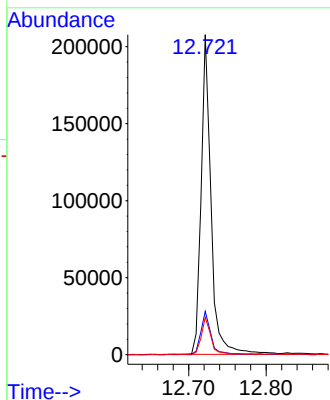
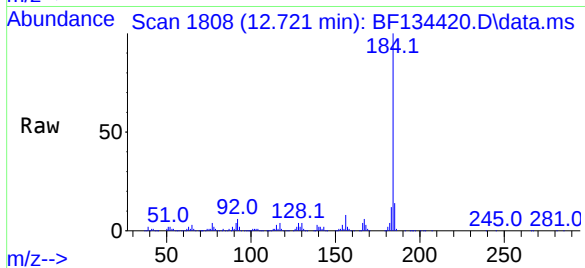
#77
Benzidine
Concen: 41.982 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD

Tgt Ion:184 Resp: 184409
Ion Ratio Lower Upper
184 100
185 13.6 11.6 17.4
183 11.7 8.8 13.2

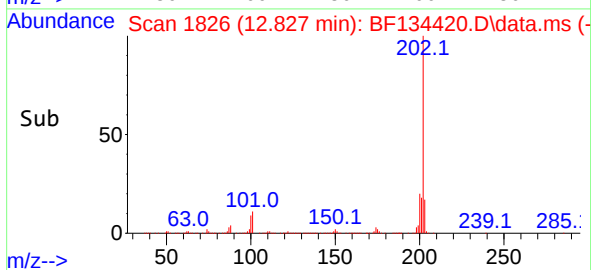
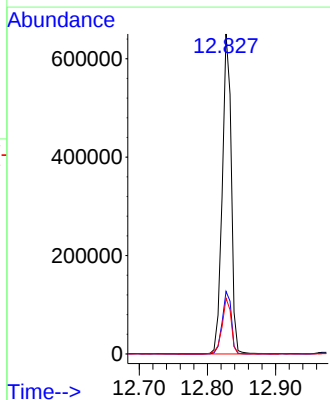
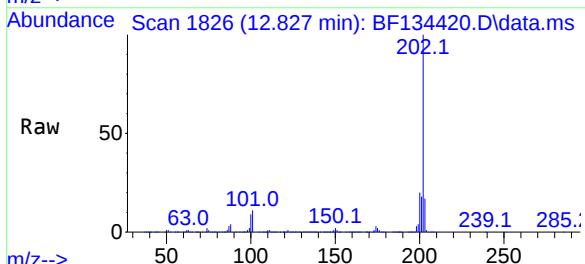
Manual Integrations
APPROVED

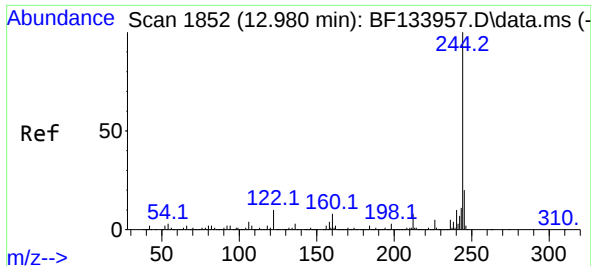
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#78
Pyrene
Concen: 34.762 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Tgt Ion:202 Resp: 597199
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 17.4 14.3 21.5





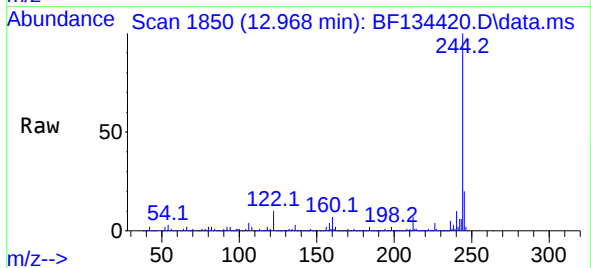
#79
 Terphenyl-d14
 Concen: 78.757 ng
 RT: 12.968 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134420.D
 Acq: 22 Jul 2023 13:56

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUMMSD

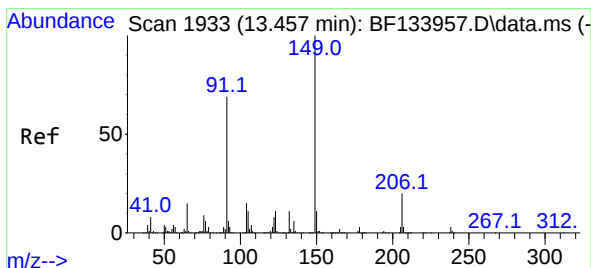
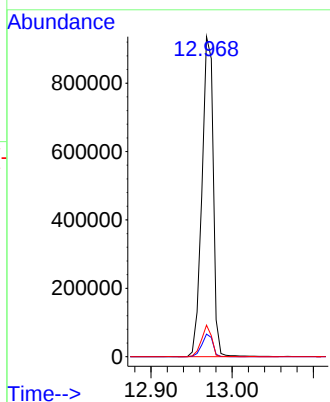
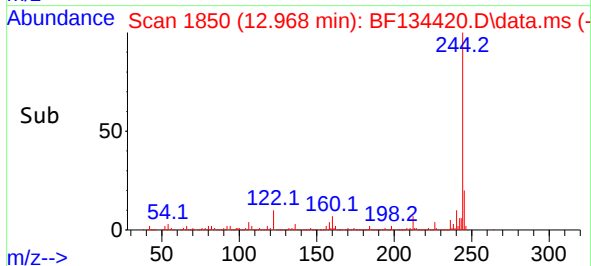


Tgt Ion:244 Resp: 90334
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.8 8.3 12.5

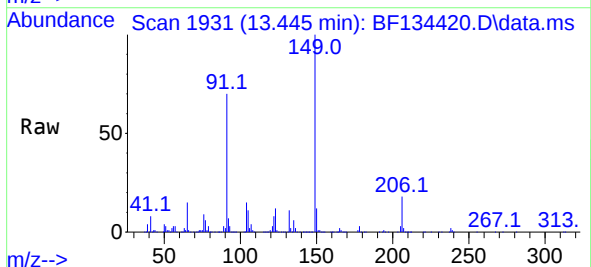
Manual Integrations

APPROVED

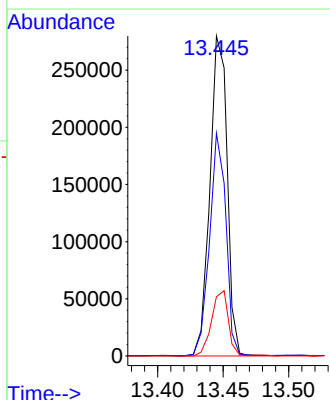
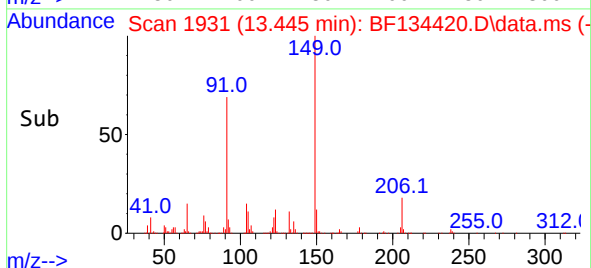
Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

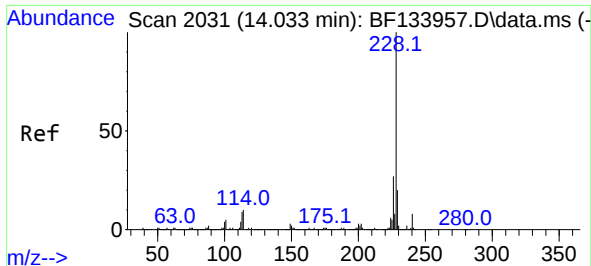


#80
 Butylbenzylphthalate
 Concen: 39.879 ng
 RT: 13.445 min Scan# 1931
 Delta R.T. -0.006 min
 Lab File: BF134420.D
 Acq: 22 Jul 2023 13:56



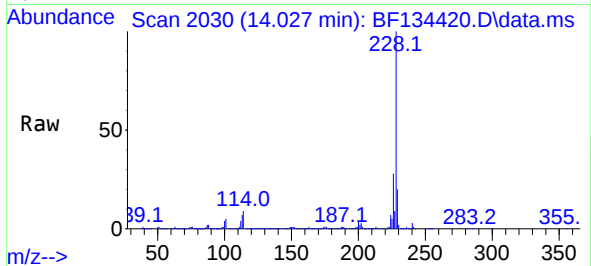
Tgt Ion:149 Resp: 256947
 Ion Ratio Lower Upper
 149 100
 91 69.6 55.1 82.7
 206 18.5 15.7 23.5





#81
Benzo(a)anthracene
Concen: 40.237 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

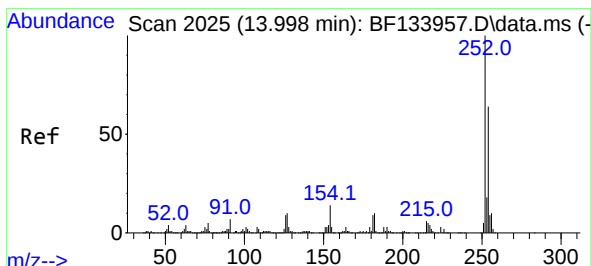
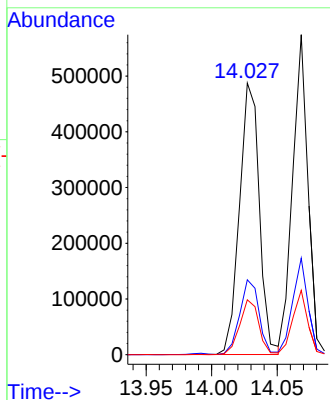
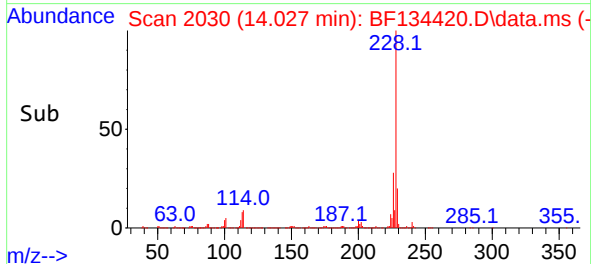
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



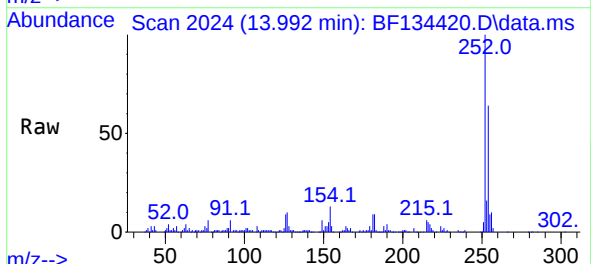
Tgt Ion:228 Resp: 51513
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 20.2 16.3 24.5

Manual Integrations
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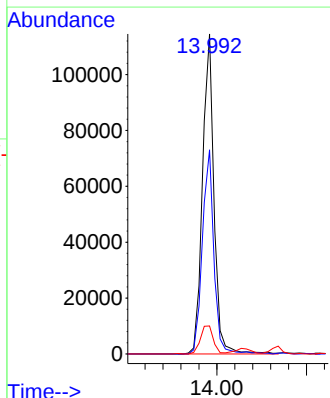
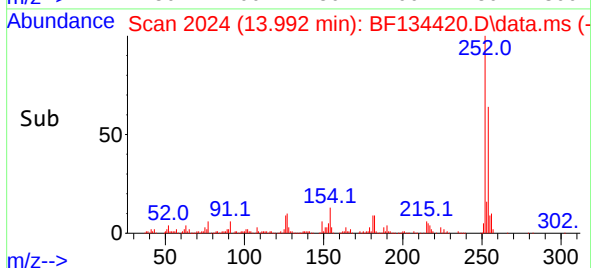
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

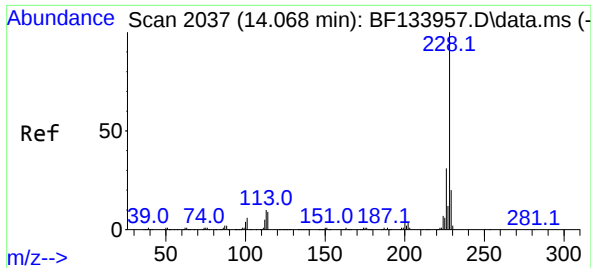


#82
3,3'-Dichlorobenzidine
Concen: 25.036 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56



Tgt Ion:252 Resp: 101548
Ion Ratio Lower Upper
252 100
254 63.8 51.4 77.0
126 8.7 7.4 11.2





#83
Chrysene
Concen: 38.075 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Instrument :

BNA_F

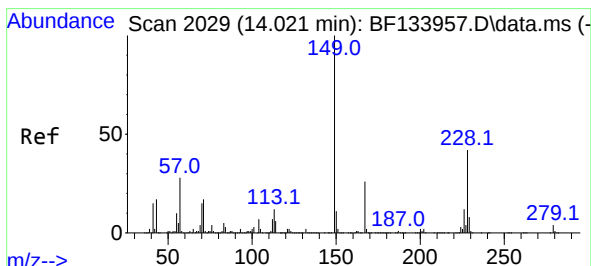
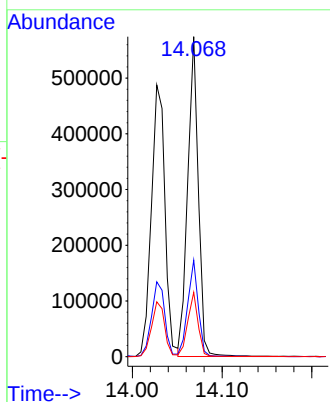
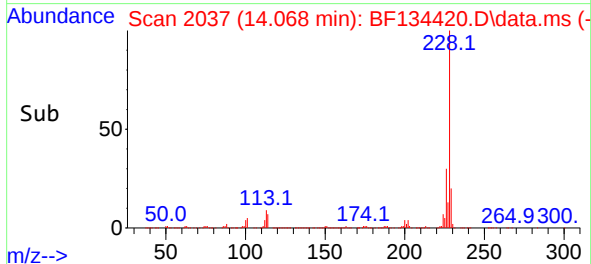
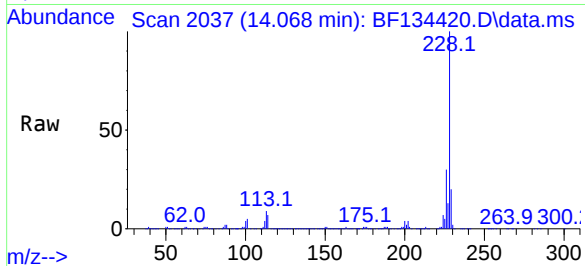
ClientSampleId :

SLUDGE-DRUMMSD

Tgt Ion:228 Resp: 47212
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 20.1 16.1 24.1

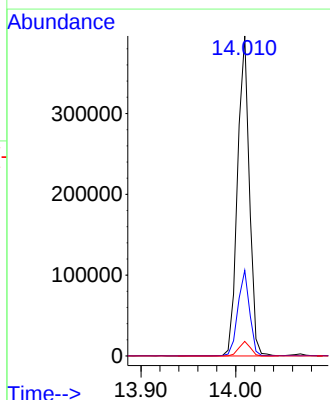
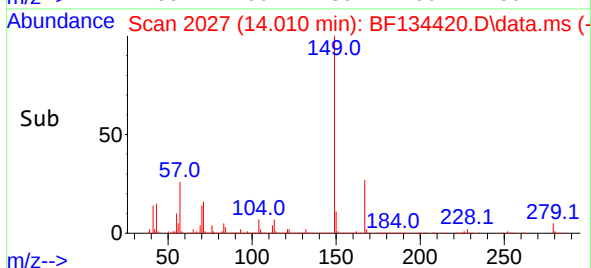
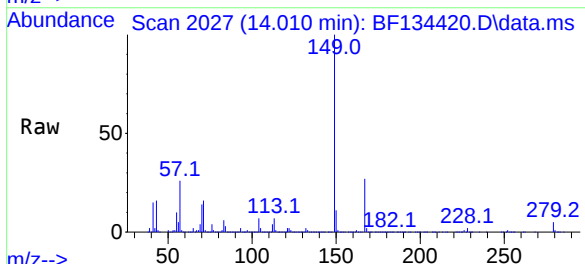
Manual Integrations
APPROVED

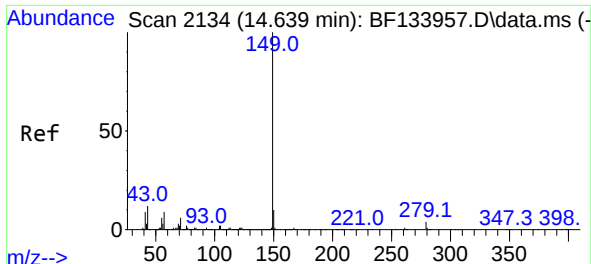
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.155 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

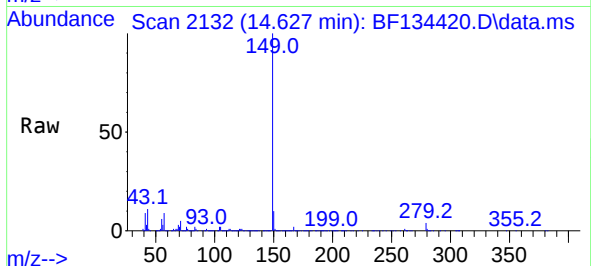
Tgt Ion:149 Resp: 341711
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 4.6 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 47.996 ng
RT: 14.627 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

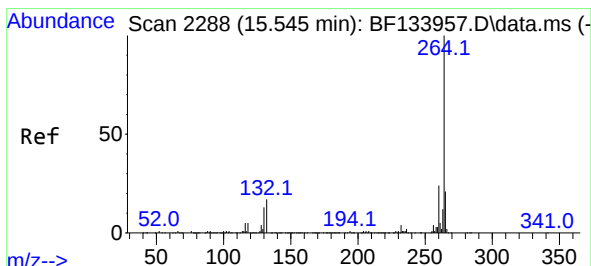
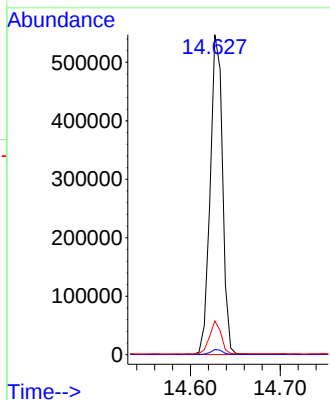
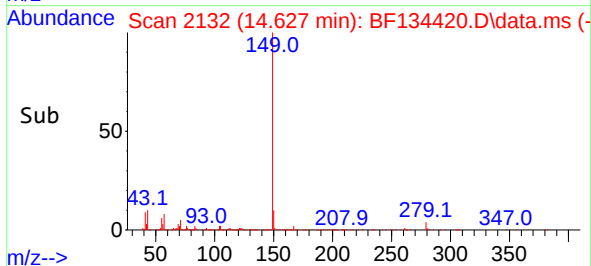
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:149 Resp: 522129
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.7 9.0 13.4

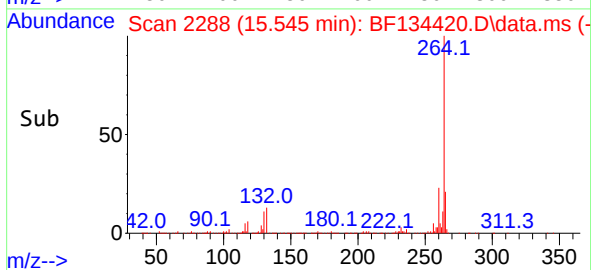
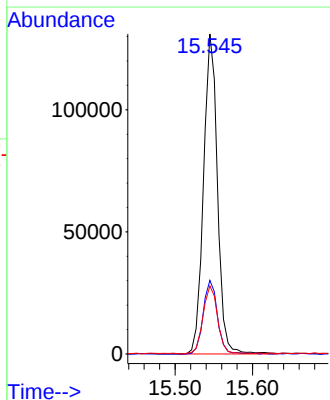
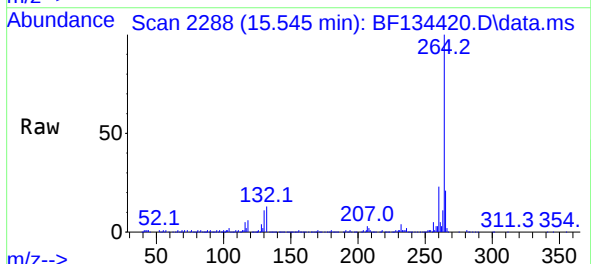
Manual Integrations
APPROVED

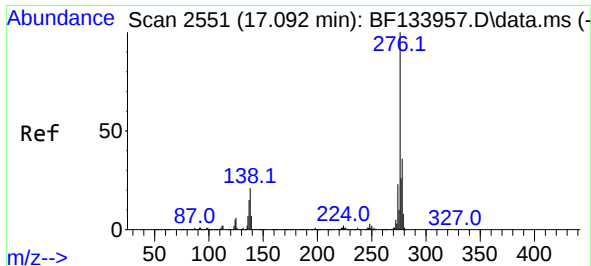
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Tgt Ion:264 Resp: 163290
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.2 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.167 ng
RT: 17.109 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Instrument :

BNA_F

ClientSampleId :

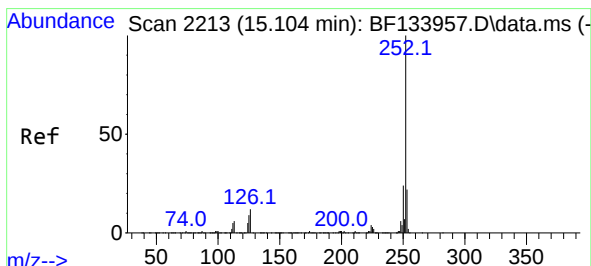
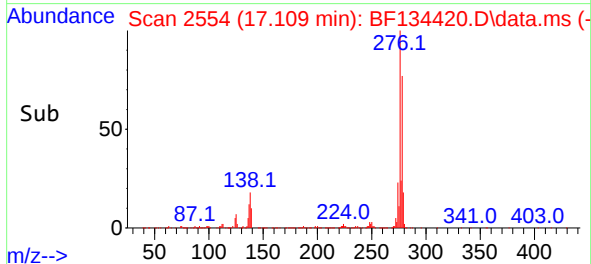
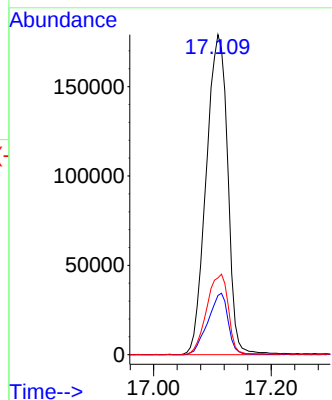
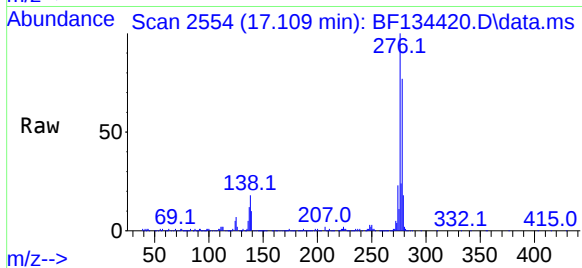
SLUDGE-DRUMMSD

Tgt Ion:276 Resp: 45511
Ion Ratio Lower Upper
276 100
138 18.2 18.7 28.1
277 25.3 19.9 29.9

Manual Integrations

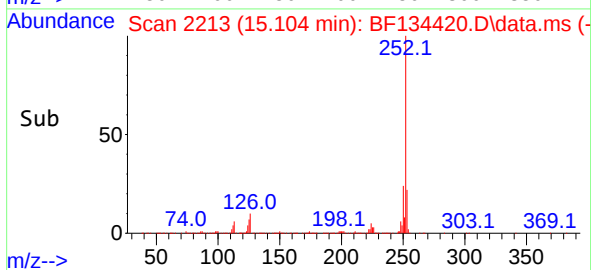
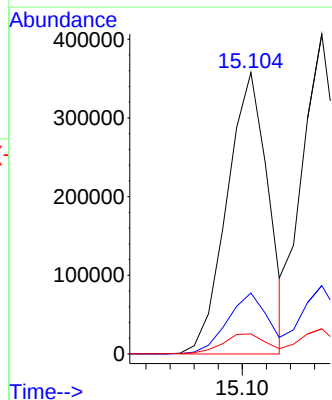
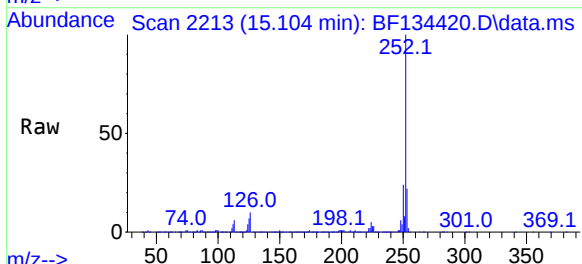
APPROVED

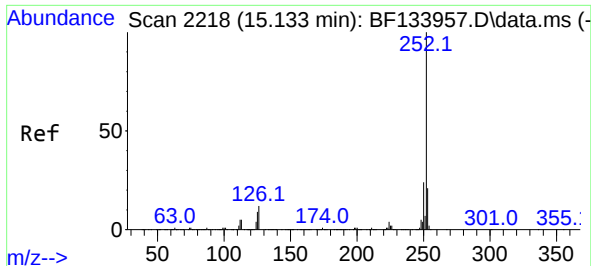
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#88
Benzo(b)fluoranthene
Concen: 44.296 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

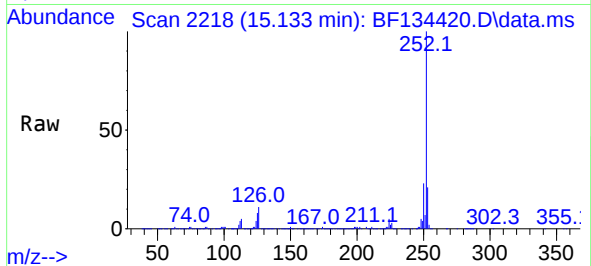
Tgt Ion:252 Resp: 425311
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 7.1 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 43.160 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

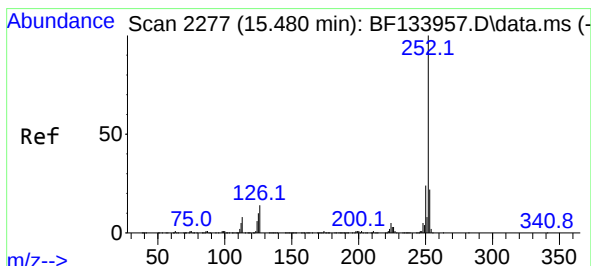
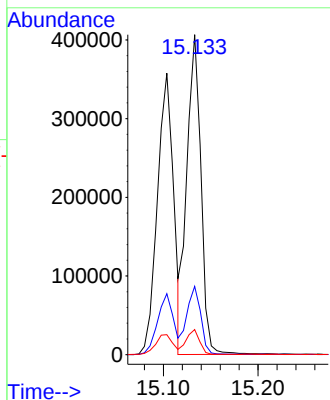
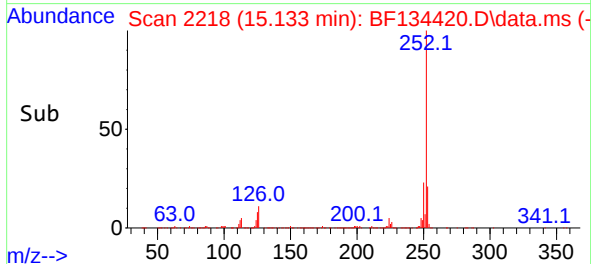
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:252 Resp: 421920
Ion Ratio Lower Upper
252 100
253 21.3 16.9 25.3
125 7.9 7.4 11.2

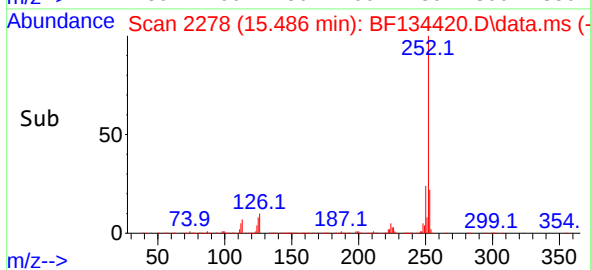
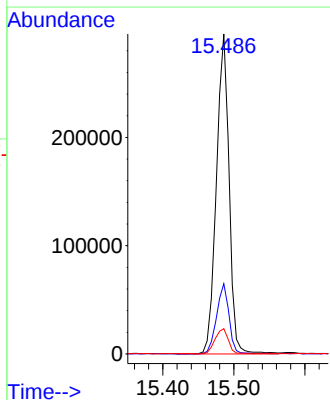
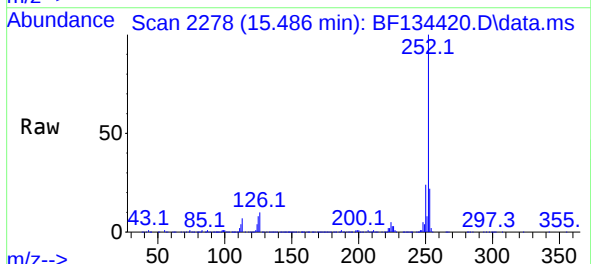
Manual Integrations
APPROVED

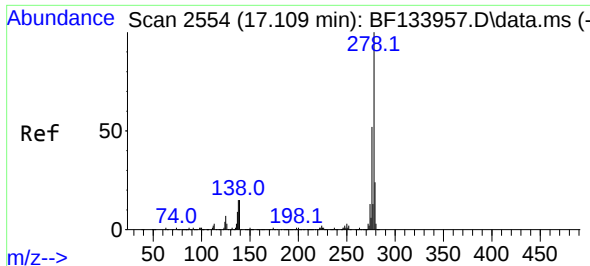
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#90
Benzo(a)pyrene
Concen: 39.367 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

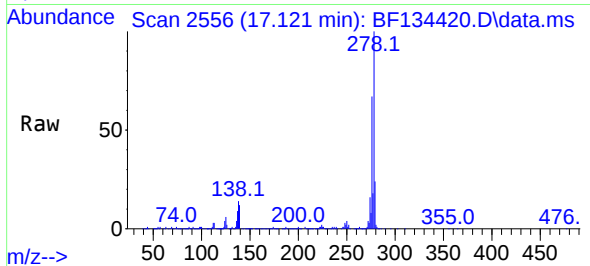
Tgt Ion:252 Resp: 365504
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 7.9 8.4 12.6#





#91
Dibenzo(a,h)anthracene
Concen: 40.918 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

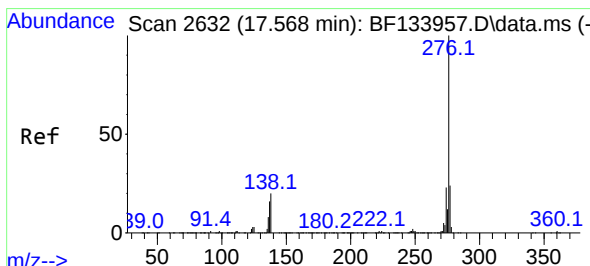
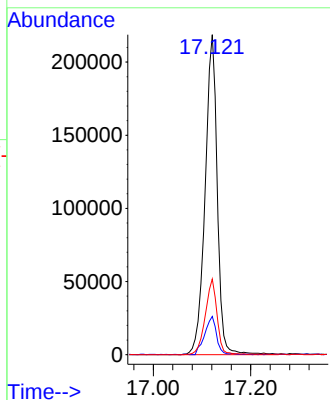
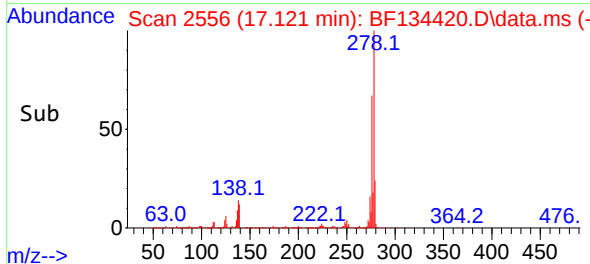
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMMSD



Tgt Ion:278 Resp: 37868
Ion Ratio Lower Upper
278 100
139 11.9 12.2 18.4
279 23.6 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#92
Benzo(g,h,i)perylene
Concen: 38.499 ng
RT: 17.580 min Scan# 2634
Delta R.T. 0.012 min
Lab File: BF134420.D
Acq: 22 Jul 2023 13:56

Tgt Ion:276 Resp: 367434
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 15.2 16.2 24.2#

