

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132779.D
 Acq On : 14 Mar 2023 15:40
 Operator : CG\JU
 Sample : 01877-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023

Quant Time: Mar 14 16:01:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	213712	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	783428	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	420055	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	795730	20.000	ng	0.00
76) Chrysene-d12	14.157	240	384931	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	449385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1280703	97.259	ng	0.02
7) Phenol-d6	6.604	99	1569763	91.343	ng	0.00
23) Nitrobenzene-d5	7.534	82	1125549	68.163	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	510993	112.642	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1815259	65.802	ng	0.00
79) Terphenyl-d14	13.092	244	2198116	96.549	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.005	88	241045	33.093	ng	# 83
3) Pyridine	3.728	79	484642	25.066	ng	92
4) n-Nitrosodimethylamine	3.657	42	245816	33.659	ng	84
6) Aniline	6.634	93	335887	14.523	ng	95
8) 2-Chlorophenol	6.757	128	578551	42.333	ng	96
9) Benzaldehyde	6.522	77	136365	14.705	ng	97
10) Phenol	6.616	94	661228	33.560	ng	93
11) bis(2-Chloroethyl)ether	6.698	93	621402	40.855	ng	95
12) 1,3-Dichlorobenzene	6.910	146	590533	40.265	ng	97
13) 1,4-Dichlorobenzene	6.987	146	593238	40.510	ng	97
14) 1,2-Dichlorobenzene	7.134	146	574043	40.845	ng	99
15) Benzyl Alcohol	7.110	79	529185	39.983	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.234	45	715221	36.875	ng	90
17) 2-Methylphenol	7.222	107	474537	37.205	ng	97
18) Hexachloroethane	7.475	117	225858	39.477	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	370686	35.048	ng	# 90
20) 3+4-Methylphenols	7.375	107	527699	32.024	ng	# 89
22) Acetophenone	7.375	105	734986	37.206	ng	# 91
24) Nitrobenzene	7.551	77	643348	36.430	ng	98
25) Isophorone	7.787	82	1199441	37.887	ng	99
26) 2-Nitrophenol	7.869	139	322591	41.401	ng	88
27) 2,4-Dimethylphenol	7.898	122	500806	40.723	ng	98
28) bis(2-Chloroethoxy)met...	7.992	93	744723	40.212	ng	100
29) 2,4-Dichlorophenol	8.110	162	497059	40.632	ng	100
30) 1,2,4-Trichlorobenzene	8.187	180	536390	40.380	ng	98
31) Naphthalene	8.275	128	1555331	38.780	ng	100
32) Benzoic acid	8.034	122	337321m	35.862	ng	
33) 4-Chloroaniline	8.322	127	104513	6.081	ng	# 90
34) Hexachlorobutadiene	8.381	225	330963	39.209	ng	99
35) Caprolactam	8.698	113	150148m	37.230	ng	
36) 4-Chloro-3-methylphenol	8.810	107	528619	39.347	ng	92
37) 2-Methylnaphthalene	8.963	142	1038372	37.991	ng	99
38) 1-Methylnaphthalene	9.063	142	968122	37.902	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	560918	40.814	ng	99
41) Hexachlorocyclopentadiene	9.116	237	571170	76.624	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	372662	40.012	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.292	196	407587	37.495	ng	97
46) 1,1'-Biphenyl	9.428	154	1265793	39.813	ng	98
47) 2-Chloronaphthalene	9.457	162	1019915	40.461	ng	99
48) 2-Nitroaniline	9.557	65	338076	36.415	ng	# 84
49) Acenaphthylene	9.875	152	1562060	38.937	ng	100
50) Dimethylphthalate	9.728	163	1240714	40.566	ng	100
51) 2,6-Dinitrotoluene	9.792	165	287056	41.211	ng	95
52) Acenaphthene	10.045	154	1089106m	42.753	ng	
53) 3-Nitroaniline	9.963	138	116293	14.925	ng	97
54) 2,4-Dinitrophenol	10.081	184	307663	70.321	ng	# 87
55) Dibenzofuran	10.216	168	1432757	38.580	ng	99
56) 4-Nitrophenol	10.134	139	368688	63.448	ng	96
57) 2,4-Dinitrotoluene	10.204	165	373537	40.310	ng	92
58) Fluorene	10.563	166	1128263	39.718	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.339	232	337909	41.847	ng	97
60) Diethylphthalate	10.428	149	1177639	39.424	ng	99
61) 4-Chlorophenyl-phenylether	10.551	204	587296	39.853	ng	92
62) 4-Nitroaniline	10.586	138	276457	36.145	ng	91
63) Azobenzene	10.710	77	1198756	37.893	ng	98
65) 4,6-Dinitro-2-methylph...	10.616	198	212333	39.418	ng	89
66) n-Nitrosodiphenylamine	10.669	169	993780	40.060	ng	99
67) 4-Bromophenyl-phenylether	11.039	248	377970	41.992	ng	100
68) Hexachlorobenzene	11.110	284	418229	44.158	ng	95
69) Atrazine	11.192	200	308203	39.796	ng	99
70) Pentachlorophenol	11.310	266	401158	71.191	ng	99
71) Phenanthrene	11.533	178	1631914	39.588	ng	99
72) Anthracene	11.581	178	1672230	39.393	ng	99
73) Carbazole	11.739	167	1465787	38.298	ng	99
74) Di-n-butylphthalate	12.051	149	1796577	40.018	ng	100
75) Fluoranthene	12.722	202	1660993	36.858	ng	99
77) Benzidine	12.845	184	129681	13.840	ng	99
78) Pyrene	12.957	202	1675971	47.889	ng	100
80) Butylbenzylphthalate	13.563	149	617265	44.695	ng	93
81) Benzo(a)anthracene	14.145	228	1185695	41.168	ng	98
82) 3,3'-Dichlorobenzidine	14.104	252	199317	23.473	ng	99
83) Chrysene	14.186	228	1125436	41.787	ng	99
84) Bis(2-ethylhexyl)phtha...	14.116	149	762133	44.923	ng	99
85) Di-n-octyl phthalate	14.733	149	1159041	46.751	ng	97
87) Indeno(1,2,3-cd)pyrene	17.268	276	1358090	46.122	ng	99
88) Benzo(b)fluoranthene	15.233	252	1274606	42.324	ng	98
89) Benzo(k)fluoranthene	15.263	252	1114444	37.811	ng	98
90) Benzo(a)pyrene	15.621	252	1111015	39.418	ng	99
91) Dibenzo(a,h)anthracene	17.286	278	1117064	46.561	ng	98
92) Benzo(g,h,i)perylene	17.751	276	1105565	41.019	ng	100

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

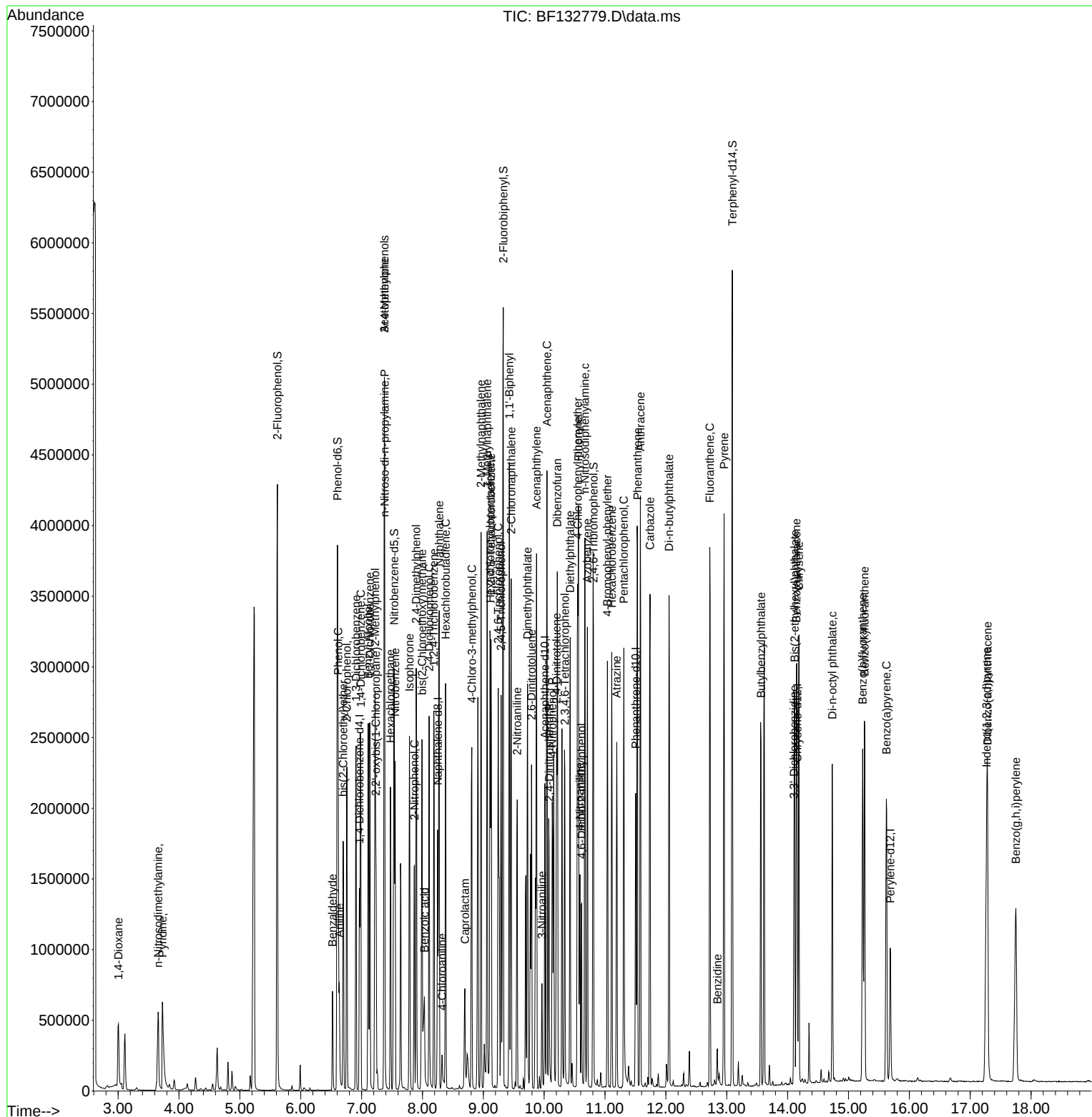
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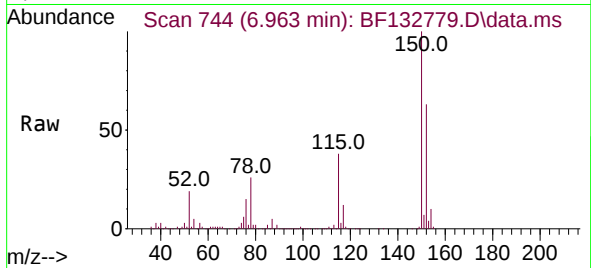
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

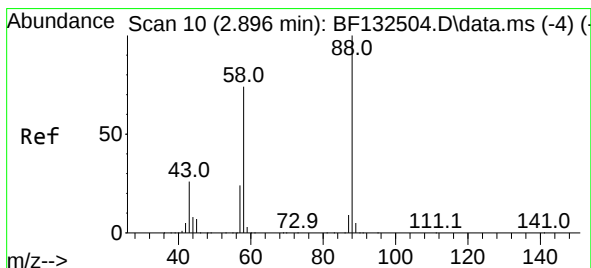
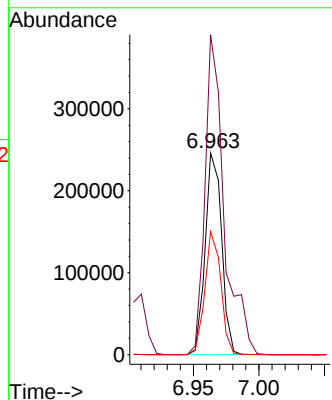
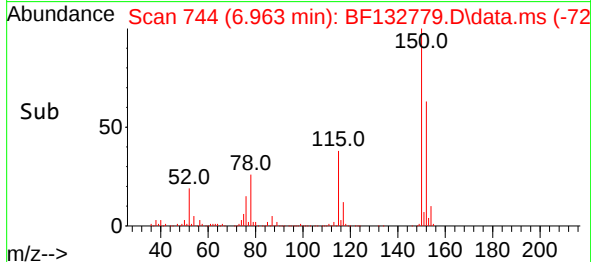
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



Tgt Ion:152 Resp: 213712
Ion Ratio Lower Upper
152 100
150 158.7 125.4 188.2
115 61.0 47.8 71.6

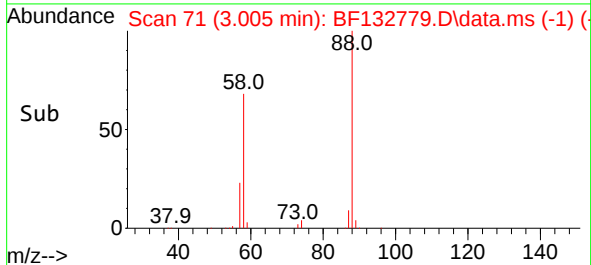
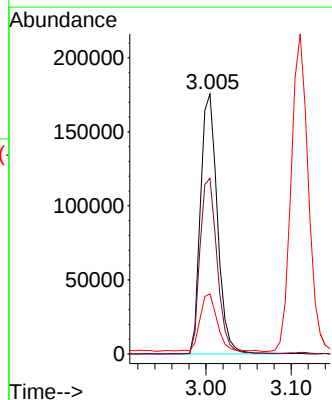
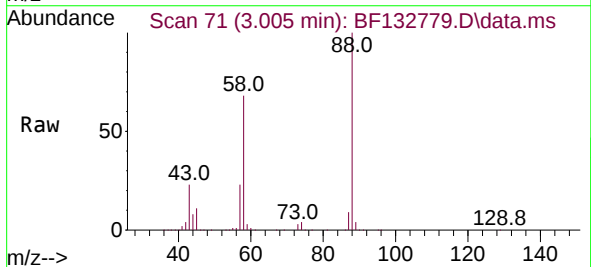
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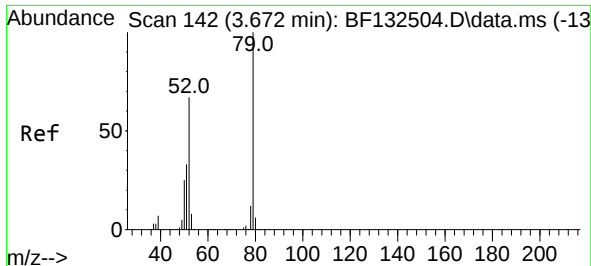
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#2
1,4-Dioxane
Concen: 33.093 ng
RT: 3.005 min Scan# 71
Delta R.T. 0.194 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

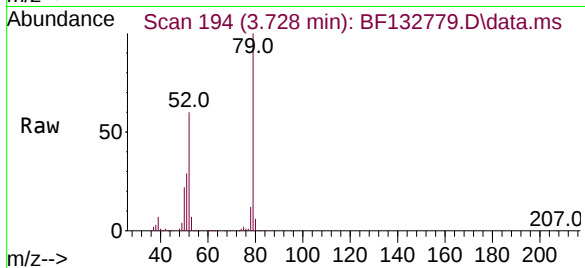
Tgt Ion: 88 Resp: 241045
Ion Ratio Lower Upper
88 100
58 68.6 58.3 87.5
43 0.0 20.7 31.1#





#3
Pyridine
Concen: 25.066 ng
RT: 3.728 min Scan# 194
Delta R.T. 0.135 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

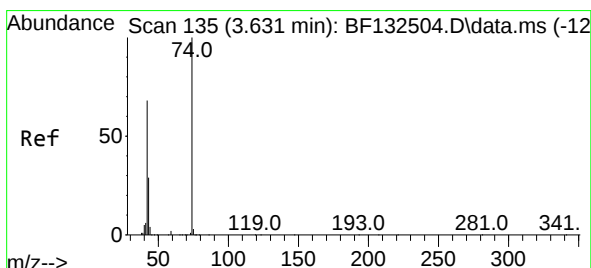
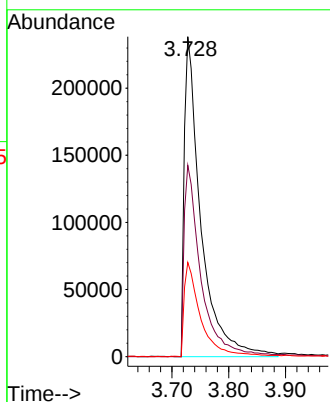
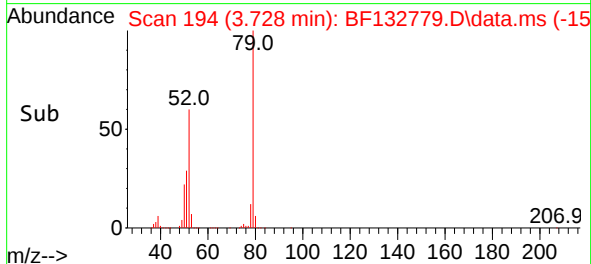
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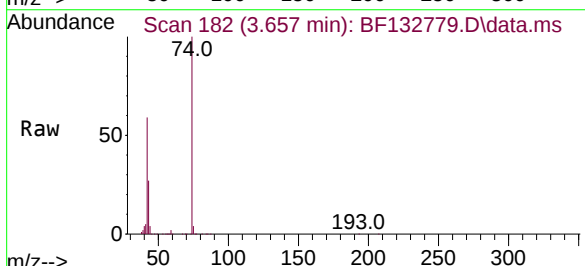
Tgt Ion: 79 Resp: 484642
Ion Ratio Lower Upper
79 100
52 59.8 53.7 80.5
51 29.4 26.6 40.0

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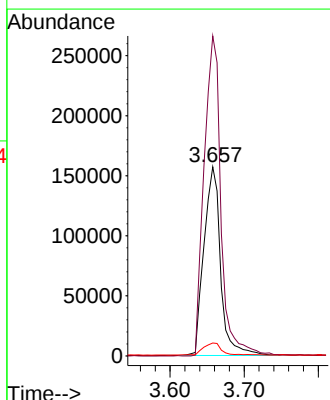
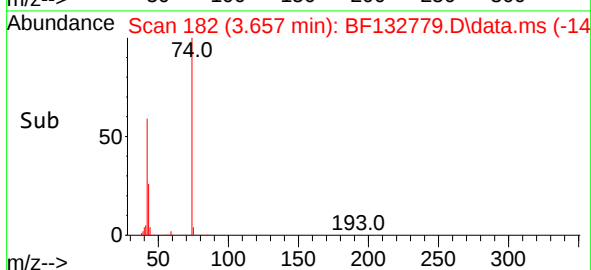
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#4
n-Nitrosodimethylamine
Concen: 33.659 ng
RT: 3.657 min Scan# 182
Delta R.T. 0.100 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion: 42 Resp: 245816
Ion Ratio Lower Upper
42 100
74 169.3 118.2 177.2
44 6.8 5.3 7.9





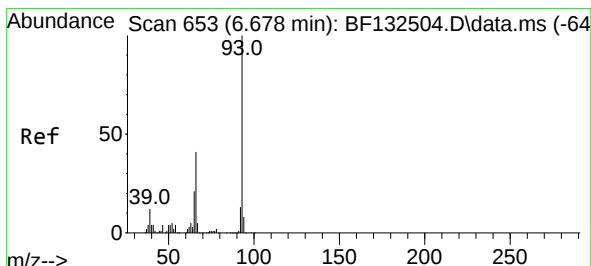
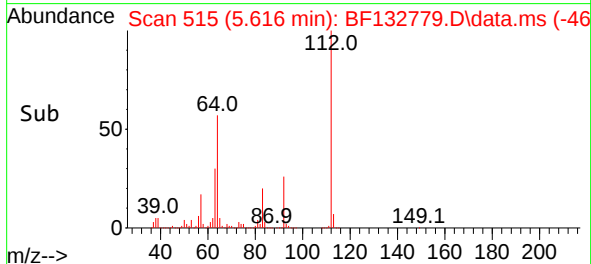
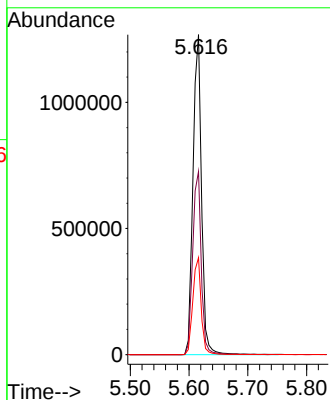
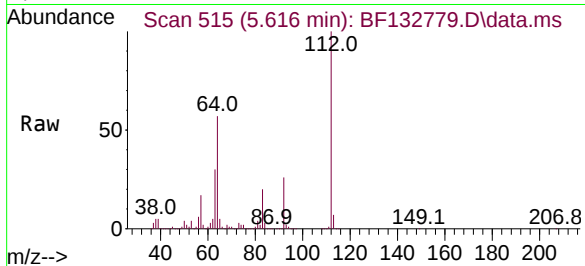
#5
2-Fluorophenol
Concen: 97.259 ng
RT: 5.616 min Scan# 511
Delta R.T. 0.024 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion: 112 Resp: 1280703
Ion Ratio Lower Upper
112 100
64 57.2 51.6 77.4
63 30.3 27.4 41.2

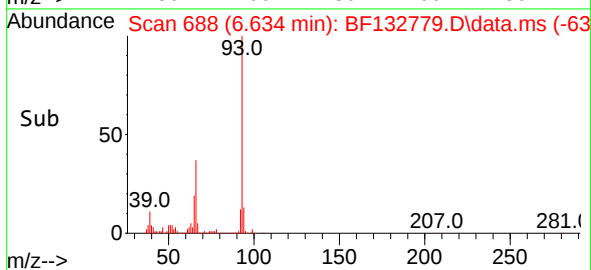
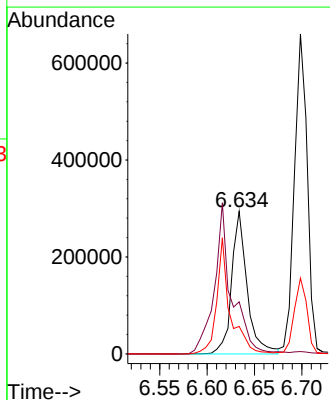
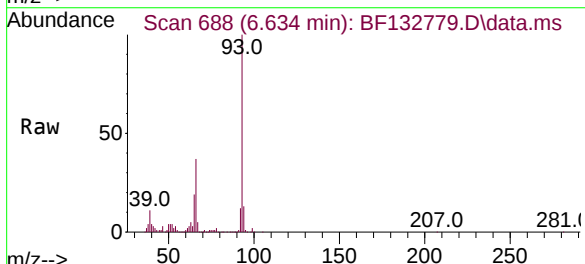
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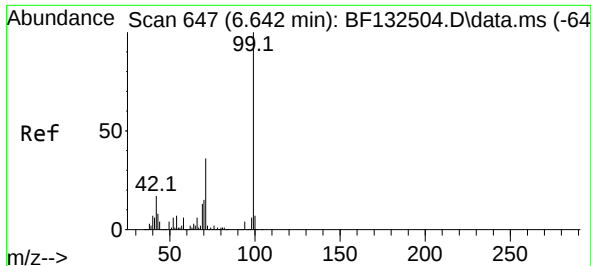
Reviewed By :Yogesh Patel 03/15/2023
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#6
Aniline
Concen: 14.523 ng
RT: 6.634 min Scan# 688
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

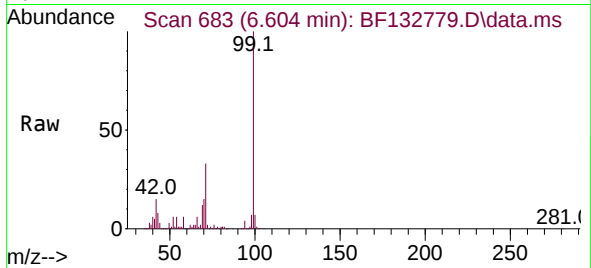
Tgt Ion: 93 Resp: 335887
Ion Ratio Lower Upper
93 100
66 36.6 32.5 48.7
65 19.3 16.6 24.8





#7
Phenol-d6
Concen: 91.343 ng
RT: 6.604 min Scan# 683
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

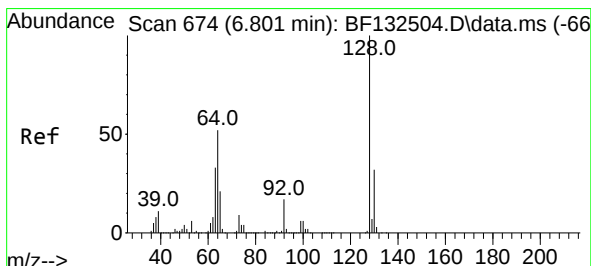
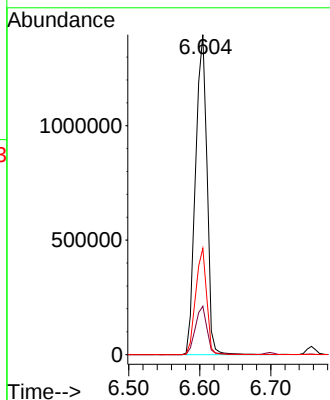
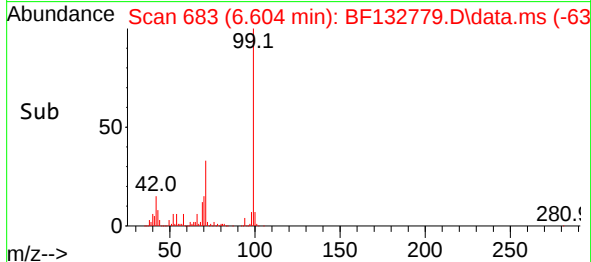
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Tgt Ion: 99 Resp: 1569763
Ion Ratio Lower Upper
99 100
42 15.1 13.9 20.9
71 33.2 28.5 42.7

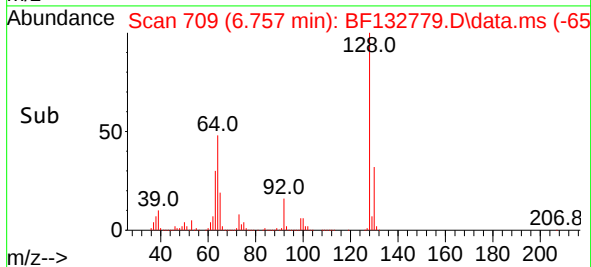
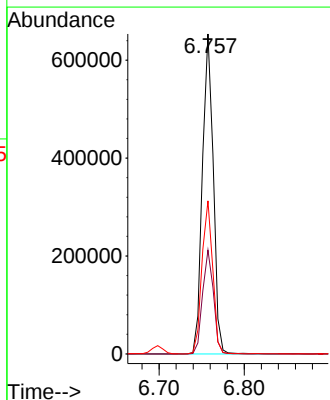
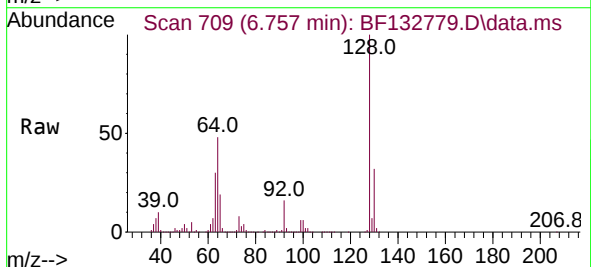
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#8
2-Chlorophenol
Concen: 42.333 ng
RT: 6.757 min Scan# 709
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

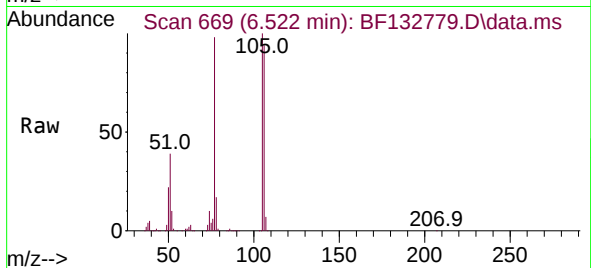
Tgt Ion:128 Resp: 578551
Ion Ratio Lower Upper
128 100
130 32.4 12.1 52.1
64 47.8 32.0 72.0





#9
Benzaldehyde
Concen: 14.705 ng
RT: 6.522 min Scan# 60
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

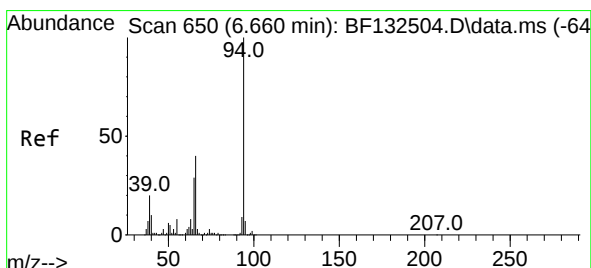
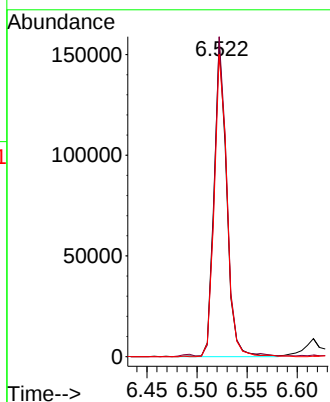
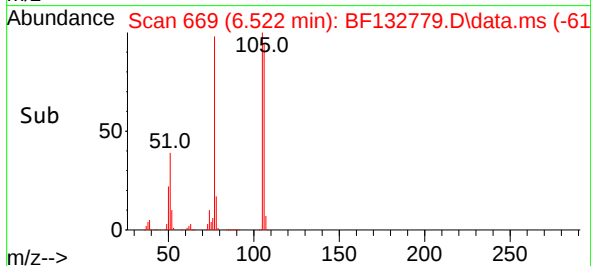
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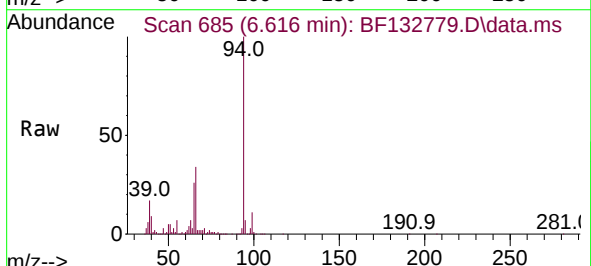
Tgt Ion: 77 Resp: 136365
Ion Ratio Lower Upper
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105 101.7 77.9 117.9
106 96.1 73.4 113.4

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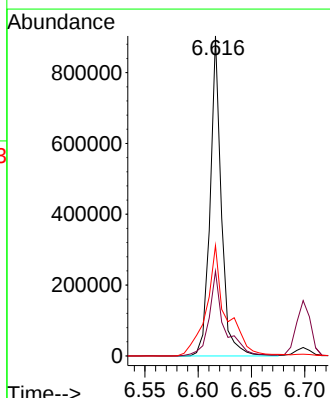
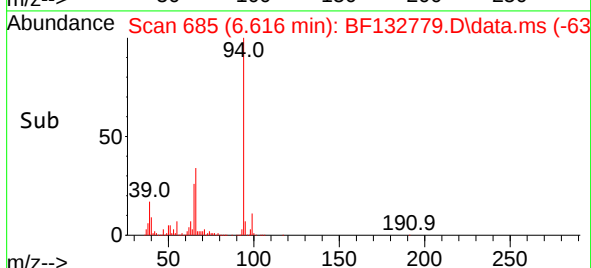
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

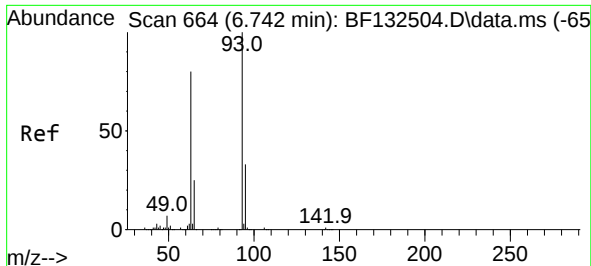


#10
Phenol
Concen: 33.560 ng
RT: 6.616 min Scan# 685
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



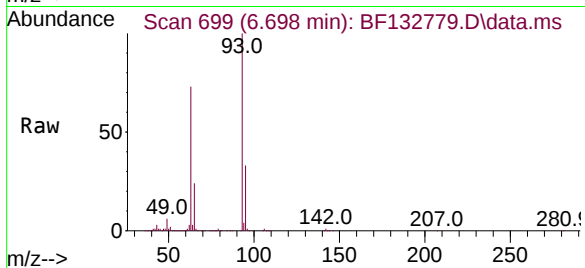
Tgt Ion: 94 Resp: 661228
Ion Ratio Lower Upper
94 100
65 26.5 9.4 49.4
66 34.5 19.8 59.8





#11
bis(2-Chloroethyl)ether
Concen: 40.855 ng
RT: 6.698 min Scan# 699
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

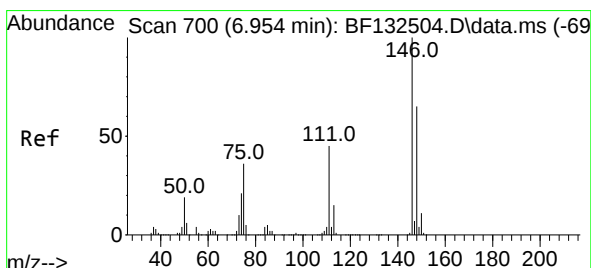
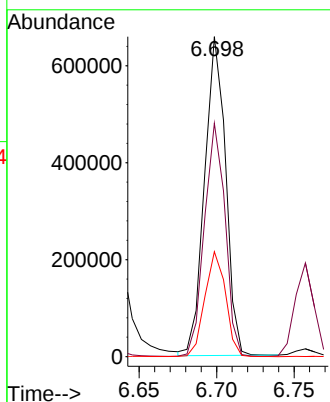
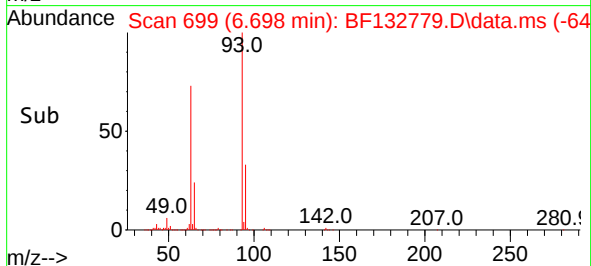
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



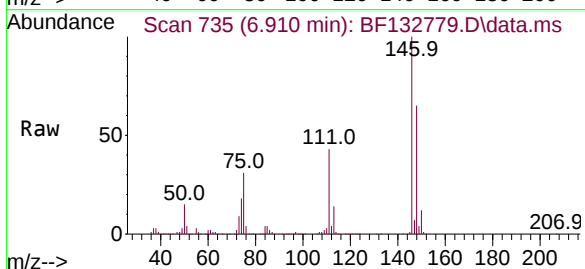
Tgt Ion: 93 Resp: 621402
Ion Ratio Lower Upper
93 100
63 72.9 59.6 99.6
95 32.8 12.8 52.8

Manual Integrations
APPROVED

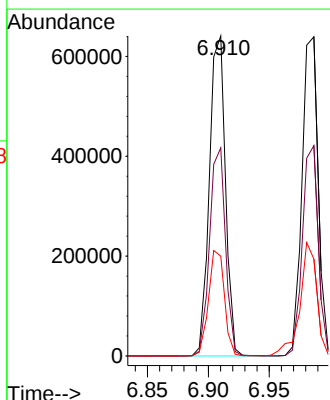
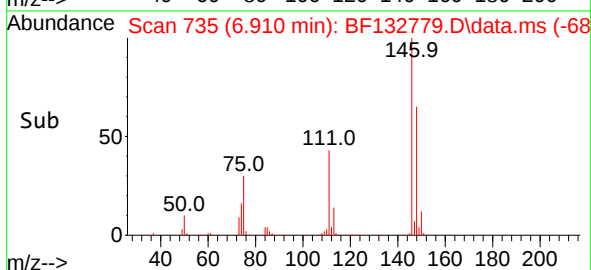
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

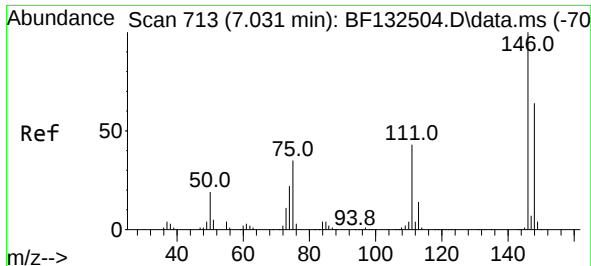


#12
1,3-Dichlorobenzene
Concen: 40.265 ng
RT: 6.910 min Scan# 735
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:146 Resp: 590533
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
75 31.2 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 40.510 ng

RT: 6.987 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:146 Resp: 593238

Ion Ratio Lower Upper

146 100

148 65.9 51.1 76.7

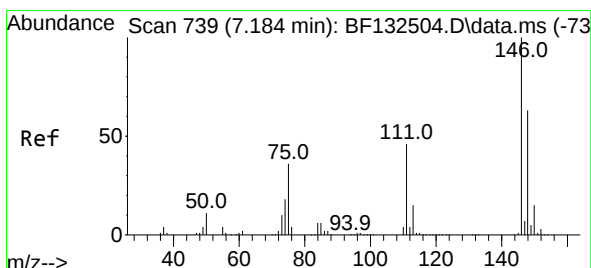
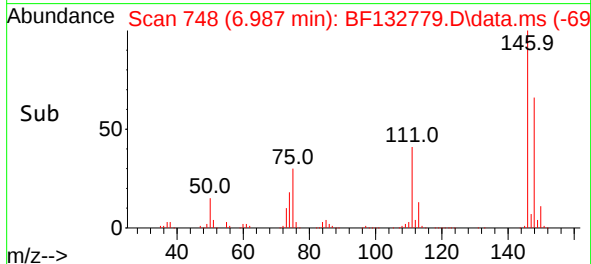
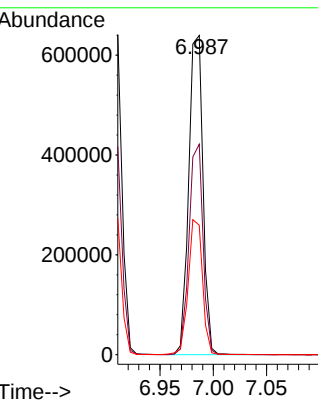
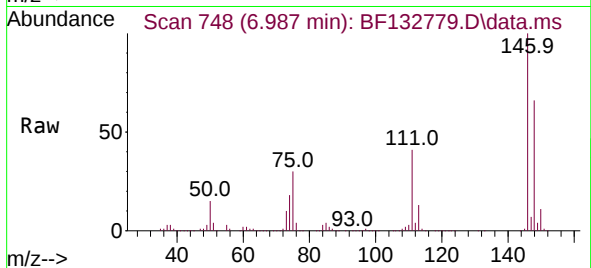
111 40.5 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#14

1,2-Dichlorobenzene

Concen: 40.845 ng

RT: 7.134 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

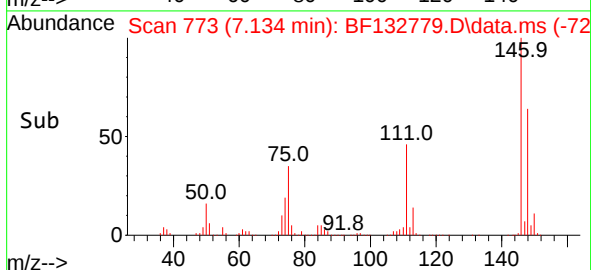
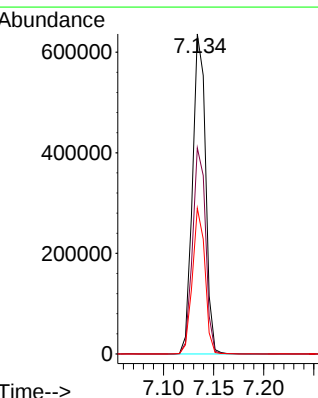
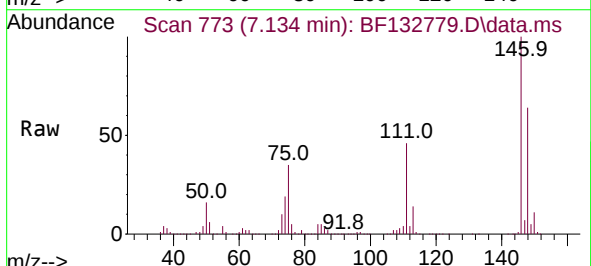
Tgt Ion:146 Resp: 574043

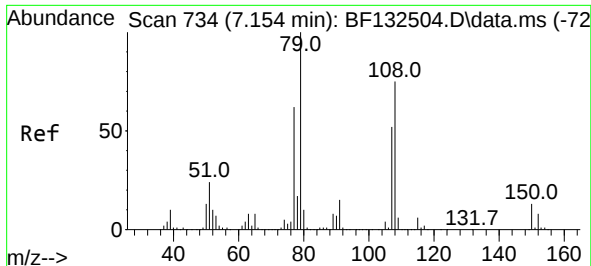
Ion Ratio Lower Upper

146 100

148 64.4 50.6 75.8

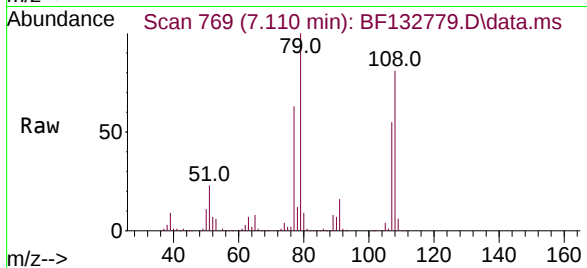
111 45.5 37.2 55.8





#15
Benzyl Alcohol
Concen: 39.983 ng
RT: 7.110 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

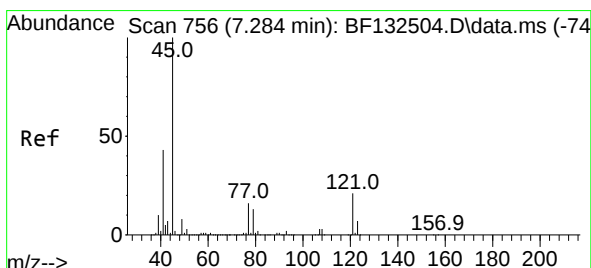
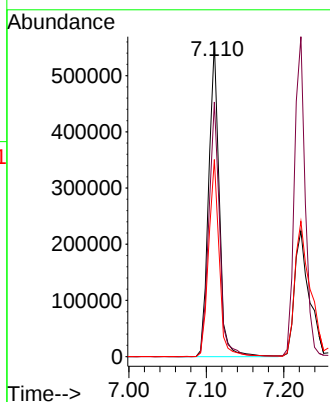
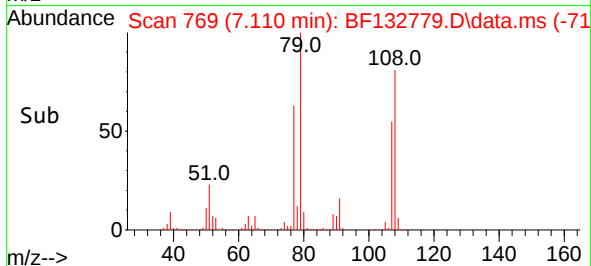
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



Tgt Ion: 79 Resp: 529185
Ion Ratio Lower Upper
79 100
108 81.1 60.2 90.4
77 62.8 49.9 74.9

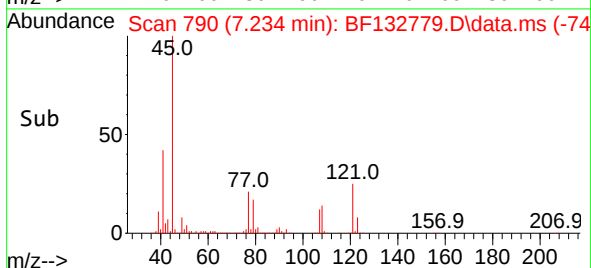
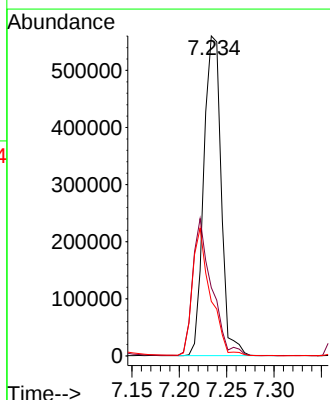
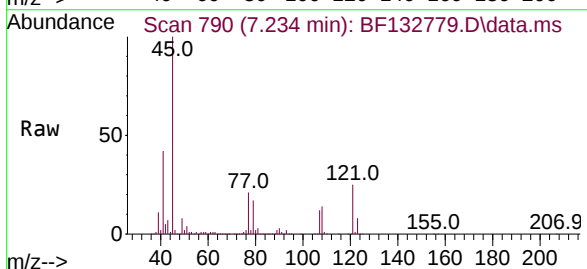
Manual Integrations
APPROVED

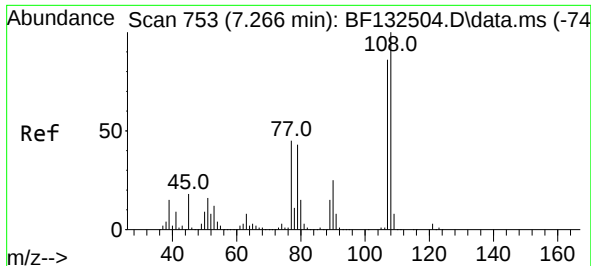
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.875 ng
RT: 7.234 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

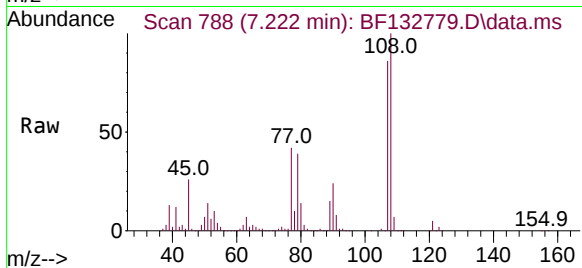
Tgt Ion: 45 Resp: 715221
Ion Ratio Lower Upper
45 100
77 21.4 0.0 36.4
79 17.0 0.0 33.4





#17
2-Methylphenol
Concen: 37.205 ng
RT: 7.222 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

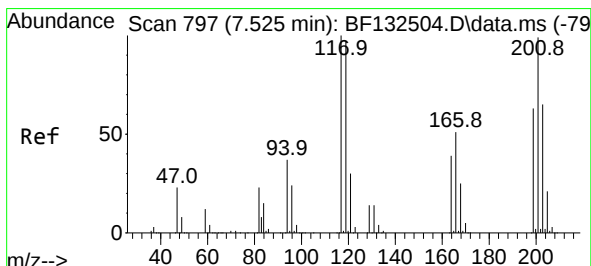
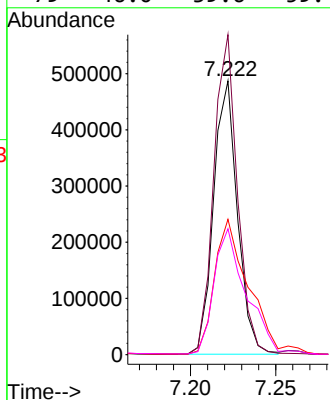
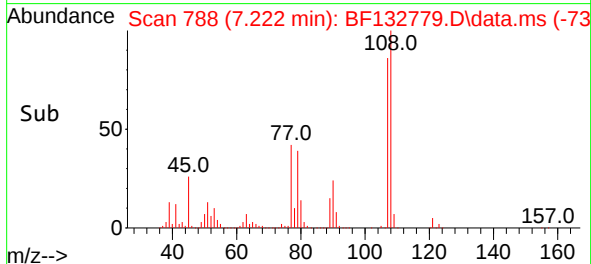
Instrument :
BNA_F
Client Sample Id :
COMP-SOILMSD



Tgt Ion:107 Resp: 47453
Ion Ratio Lower Upper
107 100
108 117.0 93.0 139.4
77 49.4 42.1 63.1
79 46.0 39.6 59.4

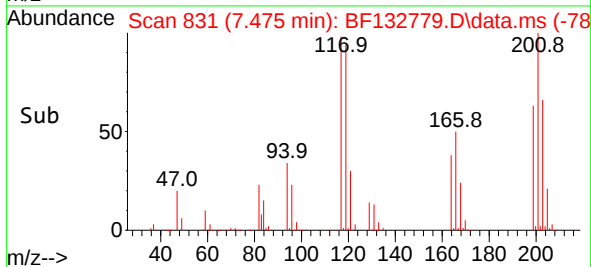
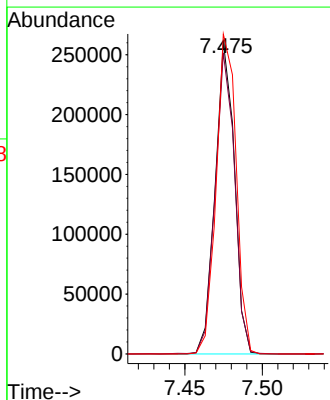
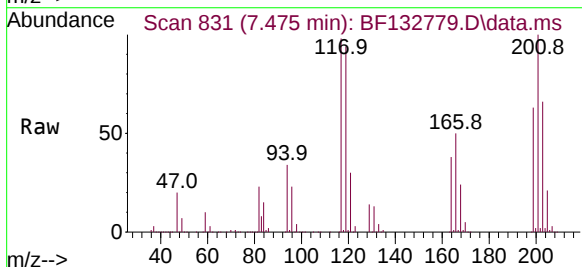
Manual Integrations
APPROVED

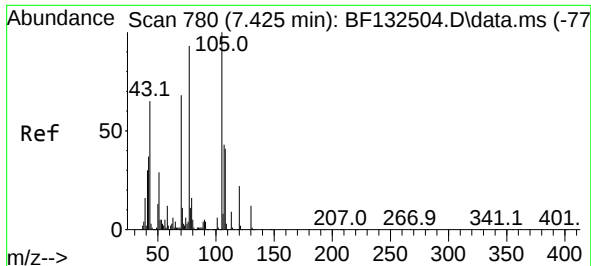
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#18
Hexachloroethane
Concen: 39.477 ng
RT: 7.475 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

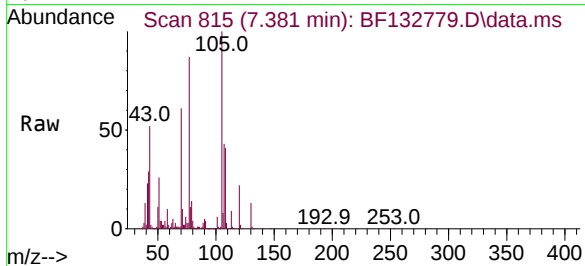
Tgt Ion:117 Resp: 225858
Ion Ratio Lower Upper
117 100
119 96.3 78.0 117.0
201 102.4 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 35.048 ng
RT: 7.381 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

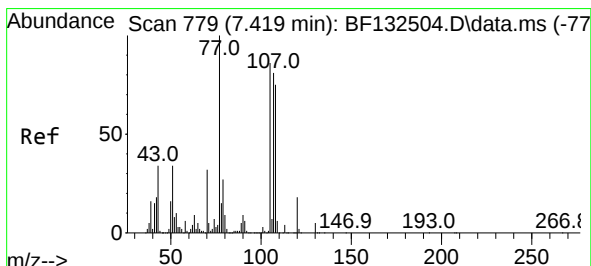
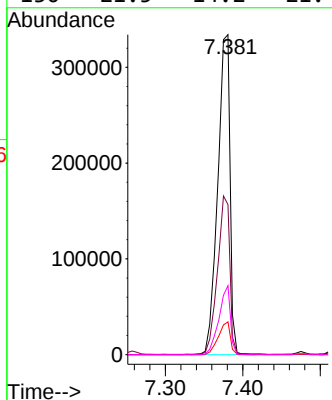
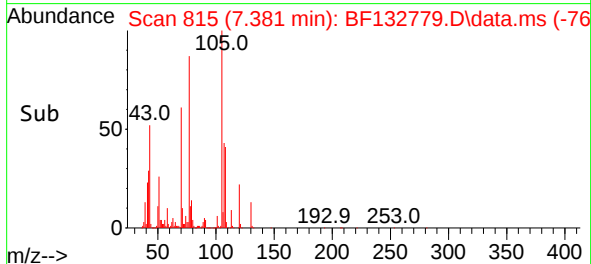
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



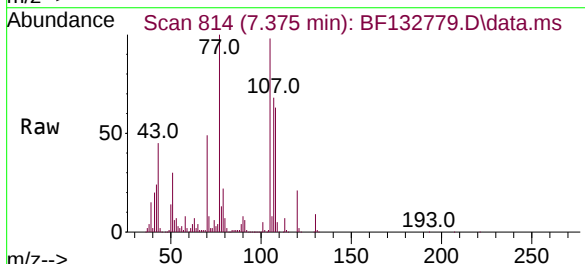
Tgt Ion: 70 Resp: 370686
Ion Ratio Lower Upper
70 100
42 46.9 44.1 66.1
101 10.2 7.4 11.2
130 21.5 14.2 21.4#

Manual Integrations
APPROVED

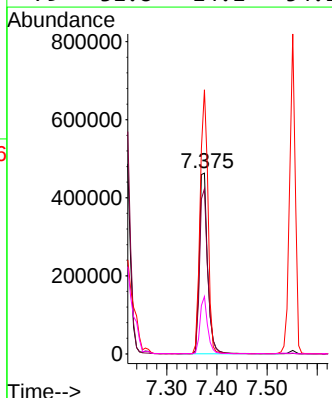
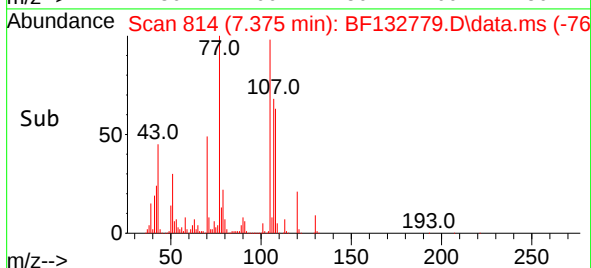
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#20
3+4-Methylphenols
Concen: 32.024 ng
RT: 7.375 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:107 Resp: 527699
Ion Ratio Lower Upper
107 100
108 91.4 72.6 112.6
77 146.2 104.0 144.0#
79 31.8 14.1 54.1





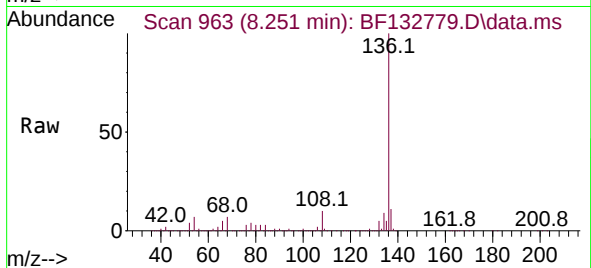
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

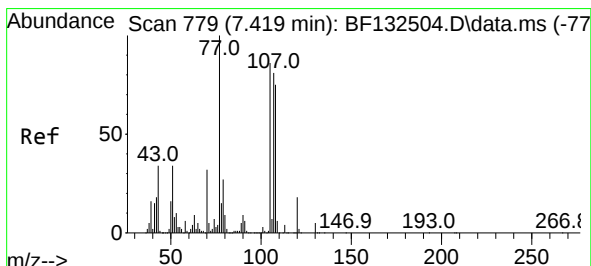
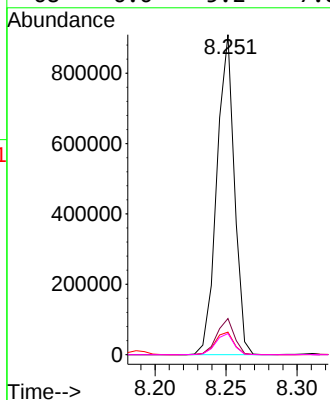
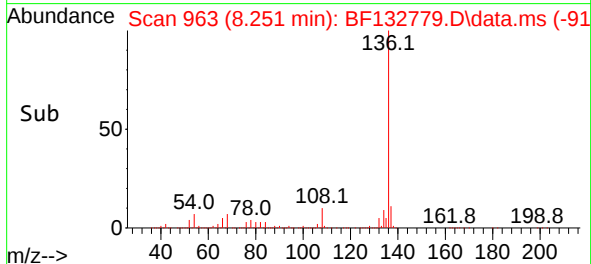


Tgt Ion:136 Resp: 783428
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.0 6.2 9.4
68 6.6 5.2 7.8

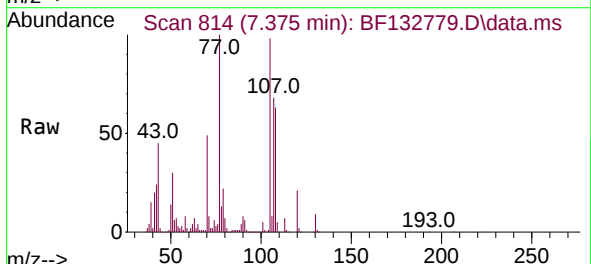
Manual Integrations

APPROVED

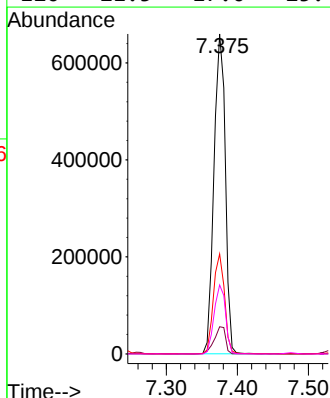
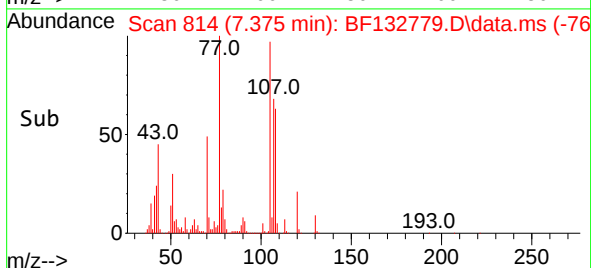
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

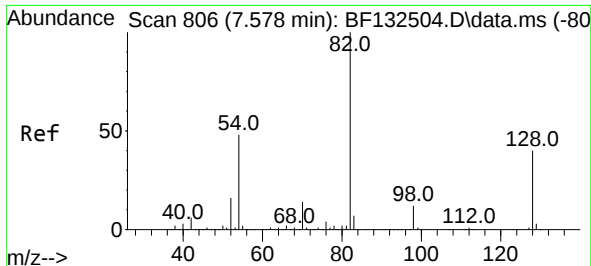


#22
Acetophenone
Concen: 37.206 ng
RT: 7.375 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:105 Resp: 734986
Ion Ratio Lower Upper
105 100
71 8.5 5.0 7.4#
51 31.2 31.5 47.3#
120 21.5 17.0 25.4





#23

Nitrobenzene-d5

Concen: 68.163 ng

RT: 7.534 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion: 82 Resp: 1125549

Ion Ratio Lower Upper

82 100

128 43.1 32.2 48.2

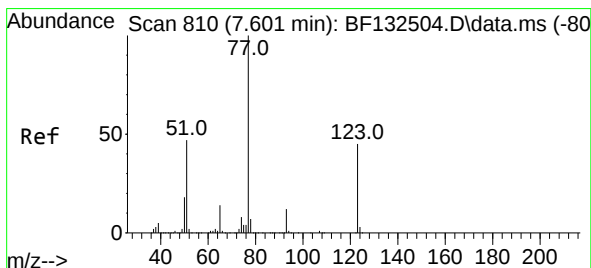
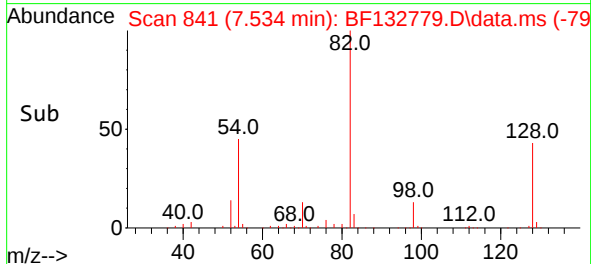
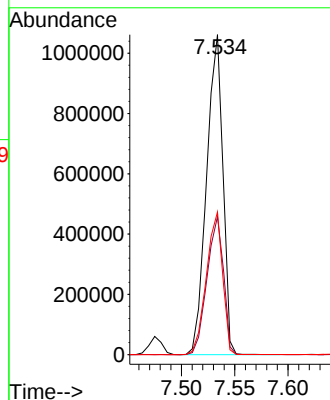
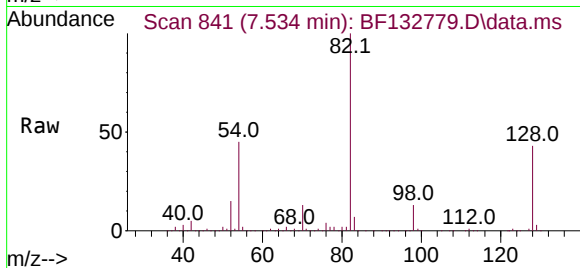
54 44.6 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#24

Nitrobenzene

Concen: 36.430 ng

RT: 7.551 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

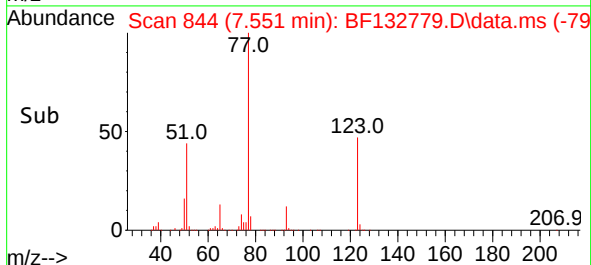
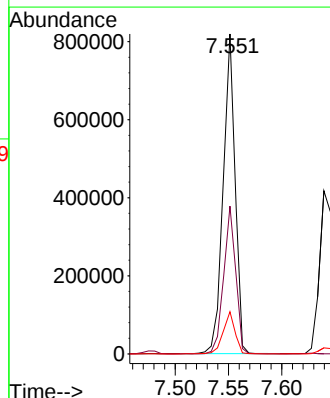
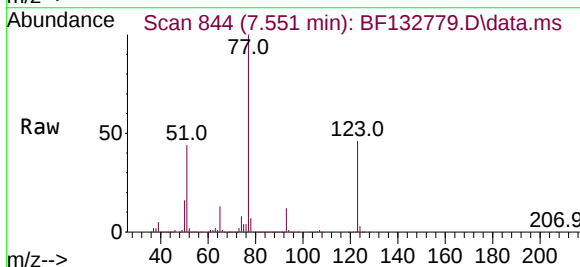
Tgt Ion: 77 Resp: 643348

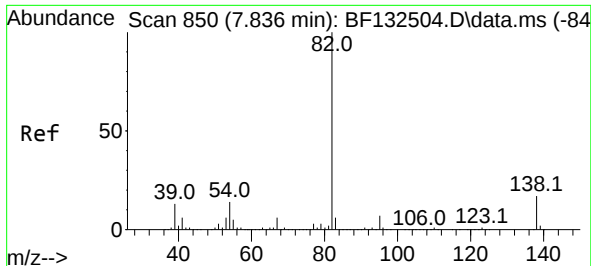
Ion Ratio Lower Upper

77 100

123 46.2 35.8 53.6

65 13.2 10.9 16.3





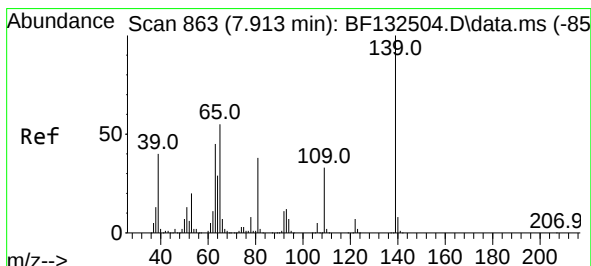
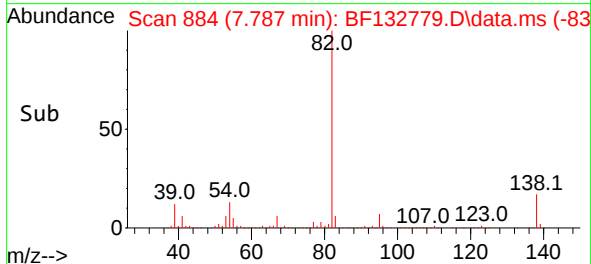
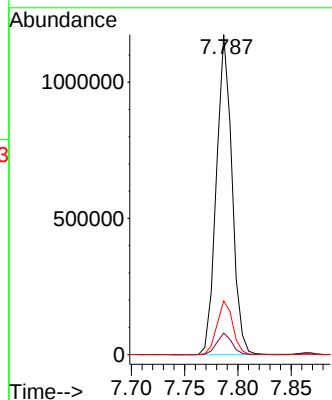
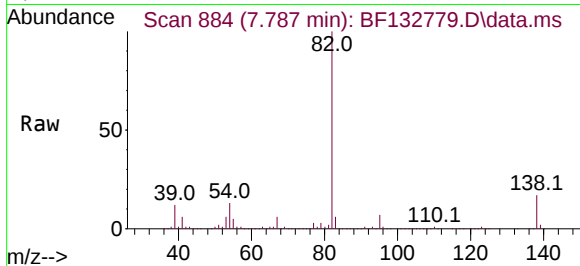
#25
Isophorone
Concen: 37.887 ng
RT: 7.787 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion: 82 Resp: 119944
Ion Ratio Lower Upper
82 100
95 6.7 5.7 8.5
138 16.8 13.3 19.9

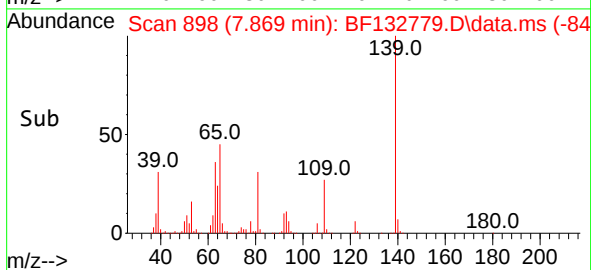
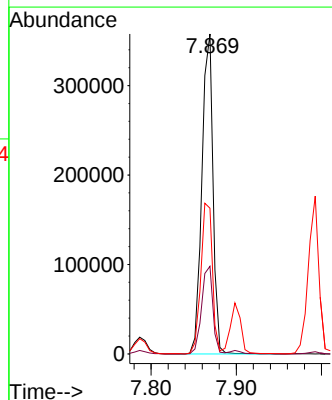
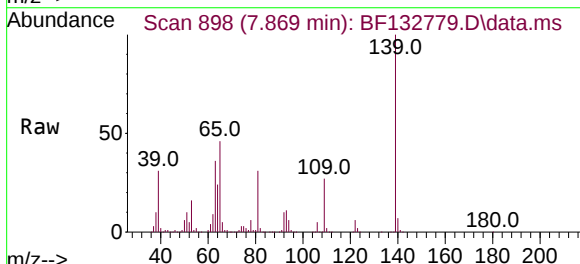
Manual Integrations
APPROVED

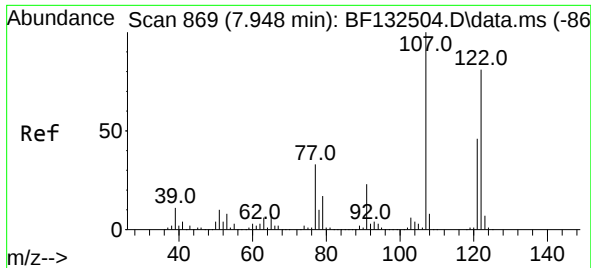
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#26
2-Nitrophenol
Concen: 41.401 ng
RT: 7.869 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:139 Resp: 322591
Ion Ratio Lower Upper
139 100
109 27.4 26.2 39.2
65 45.5 43.8 65.8





#27
2,4-Dimethylphenol
Concen: 40.723 ng
RT: 7.898 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

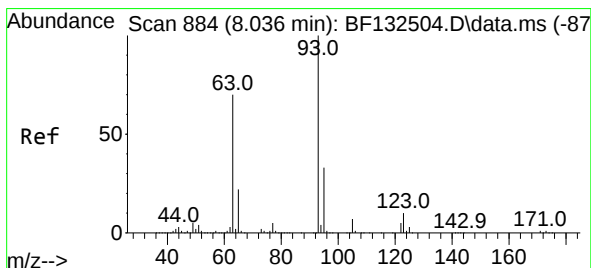
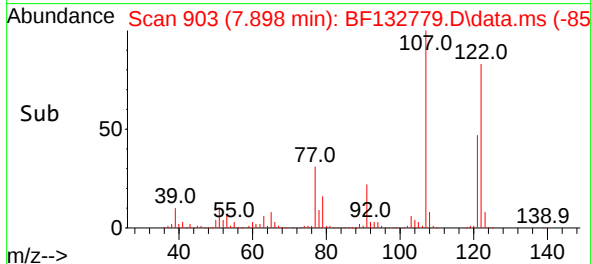
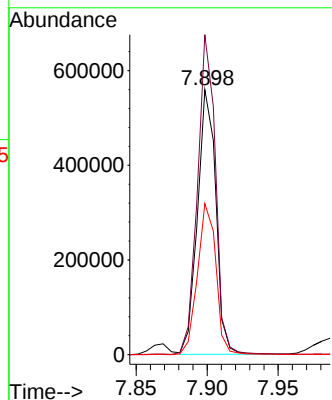
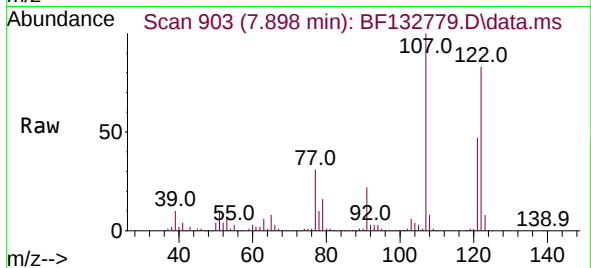
COMP-SOILMSD

Tgt Ion:122 Resp: 500806
Ion Ratio Lower Upper
122 100
107 120.8 98.7 148.1
121 57.0 45.8 68.6

Manual Integrations

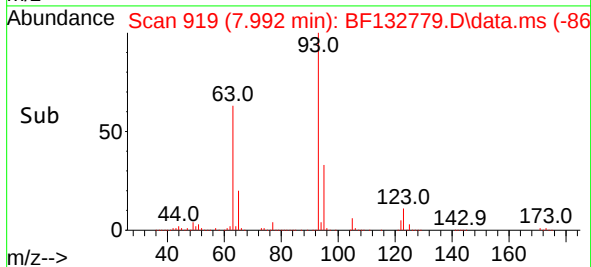
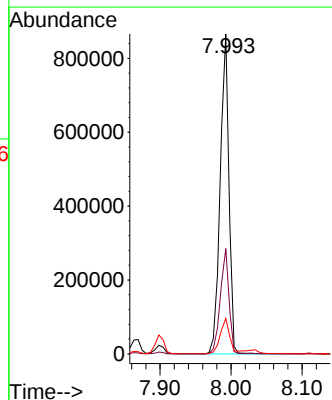
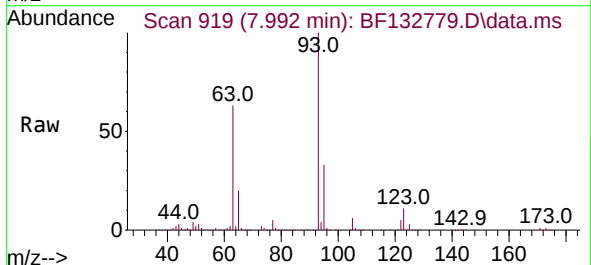
APPROVED

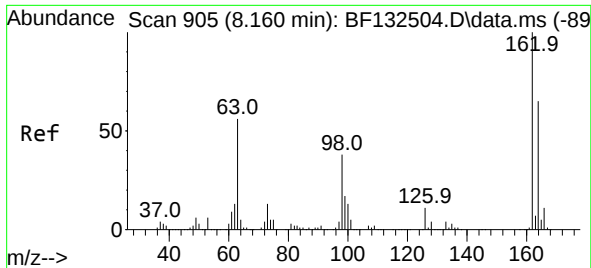
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#28
bis(2-Chloroethoxy)methane
Concen: 40.212 ng
RT: 7.992 min Scan# 919
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion: 93 Resp: 744723
Ion Ratio Lower Upper
93 100
95 32.9 26.3 39.5
123 11.1 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 40.632 ng

RT: 8.110 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

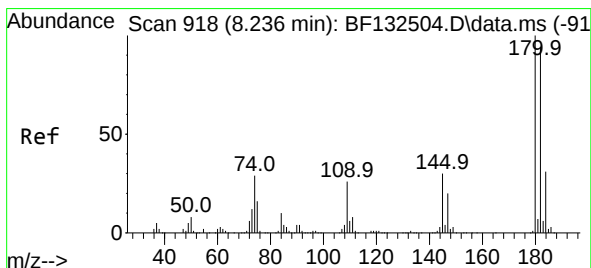
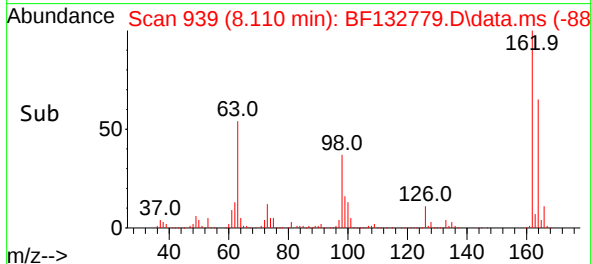
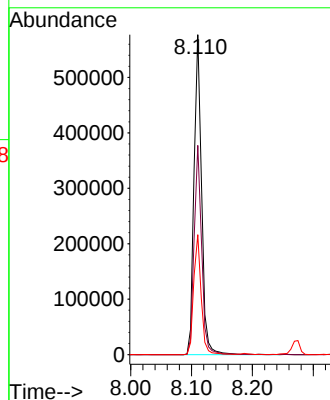
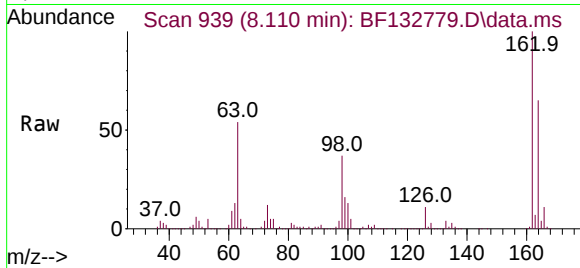
COMP-SOILMSD

Tgt Ion:162 Resp: 497059
 Ion Ratio Lower Upper
 162 100
 164 65.4 45.3 85.3
 98 37.5 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023



#30

1,2,4-Trichlorobenzene

Concen: 40.380 ng

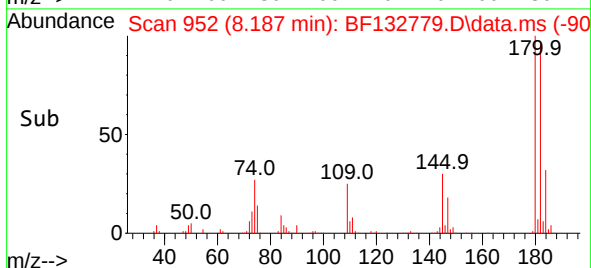
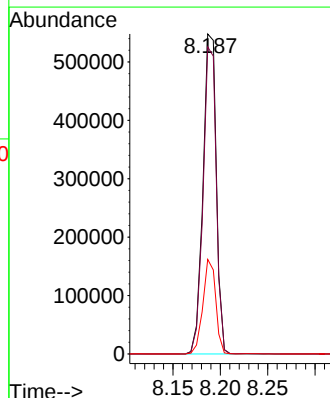
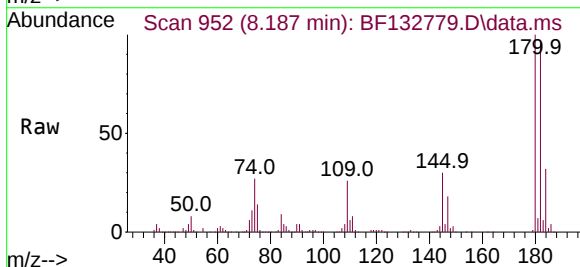
RT: 8.187 min Scan# 952

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

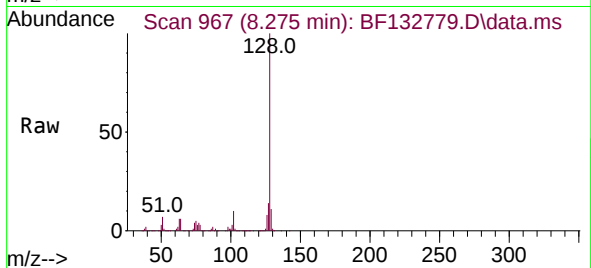
Tgt Ion:180 Resp: 536390
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.1 112.7
 145 29.5 23.8 35.6





#31
Naphthalene
Concen: 38.780 ng
RT: 8.275 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

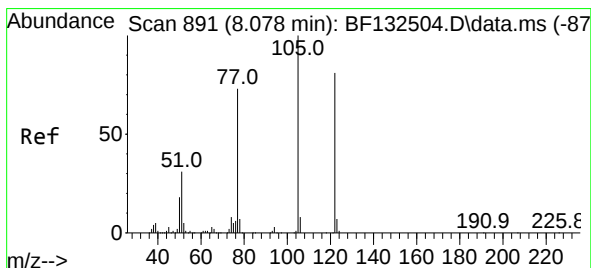
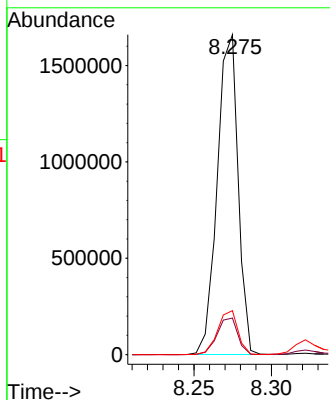
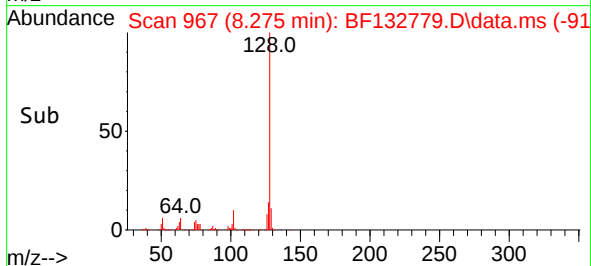
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



Tgt Ion:128 Resp: 155533
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.7 11.0 16.6

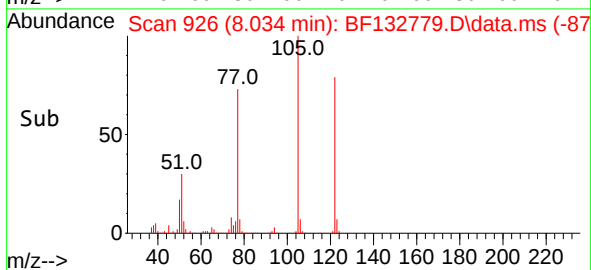
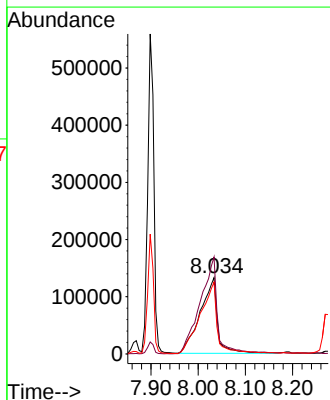
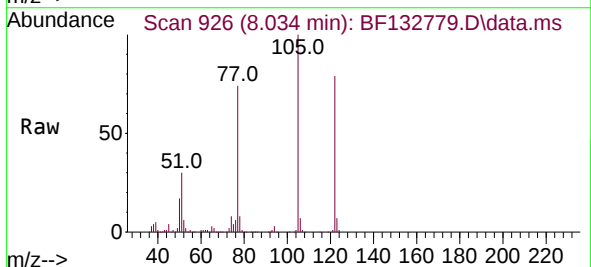
Manual Integrations
APPROVED

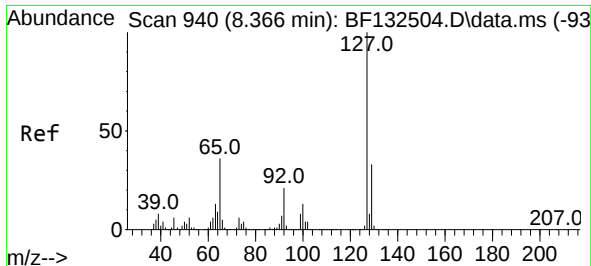
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#32
Benzoic acid
Concen: 35.862 ng m
RT: 8.034 min Scan# 926
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:122 Resp: 337321
Ion Ratio Lower Upper
122 100
105 127.2 102.6 142.6
77 94.1 70.2 110.2





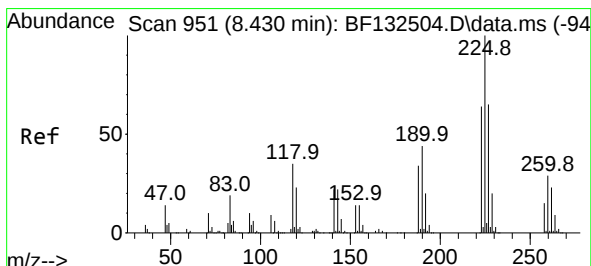
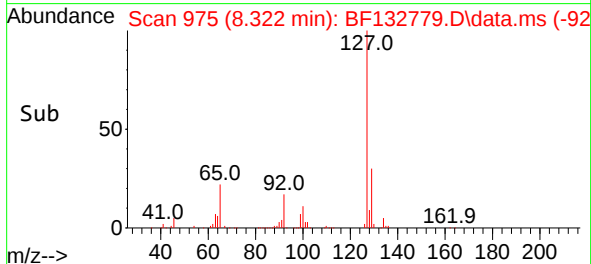
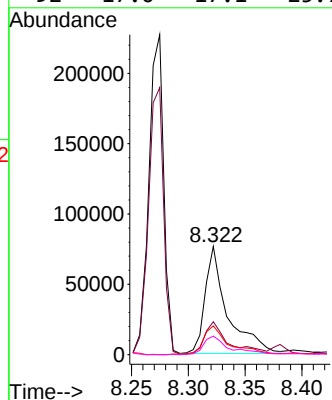
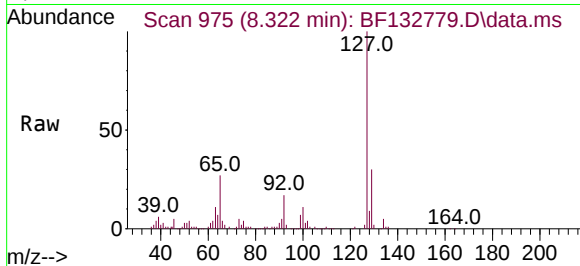
#33
4-Chloroaniline
Concen: 6.081 ng
RT: 8.322 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion:127 Resp: 104513
Ion Ratio Lower Upper
127 100
129 30.3 26.4 39.6
65 26.5 28.8 43.2
92 17.0 17.1 25.7#

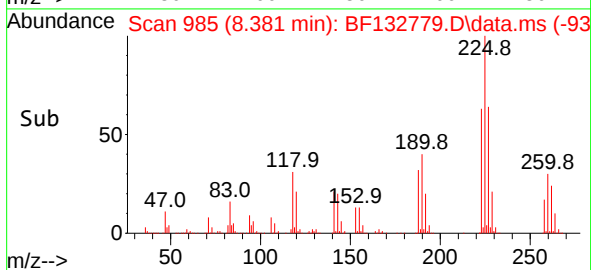
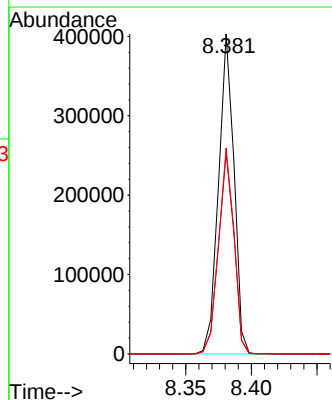
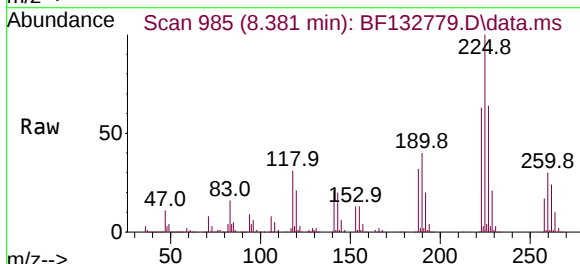
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#34
Hexachlorobutadiene
Concen: 39.209 ng
RT: 8.381 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

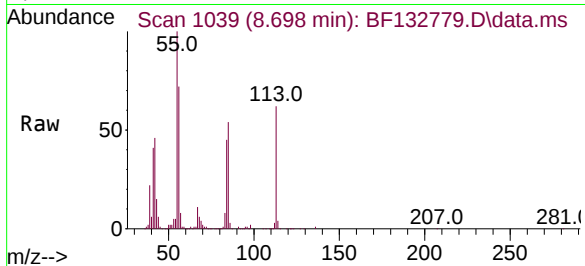
Tgt Ion:225 Resp: 330963
Ion Ratio Lower Upper
225 100
223 62.8 51.0 76.4
227 64.3 51.7 77.5





#35
 Caprolactam
 Concen: 37.230 ng m
 RT: 8.698 min Scan# 10
 Delta R.T. -0.012 min
 Lab File: BF132779.D
 Acq: 14 Mar 2023 15:40

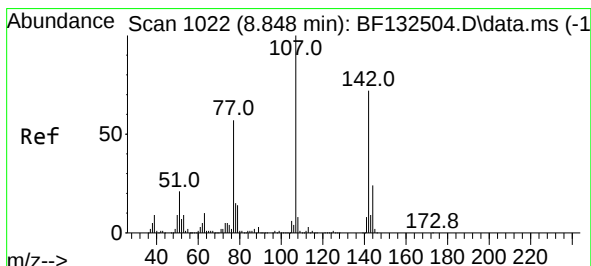
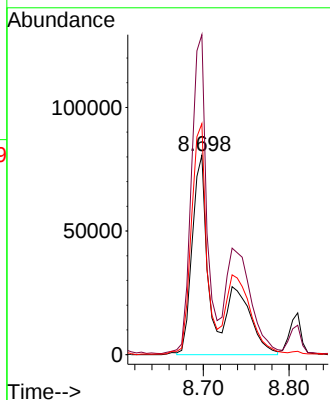
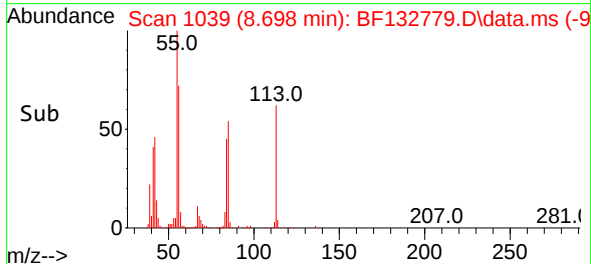
Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOILMSD



Tgt Ion:113 Resp: 150148
 Ion Ratio Lower Upper
 113 100
 55 160.6 149.4 189.4
 56 115.9 105.0 145.0

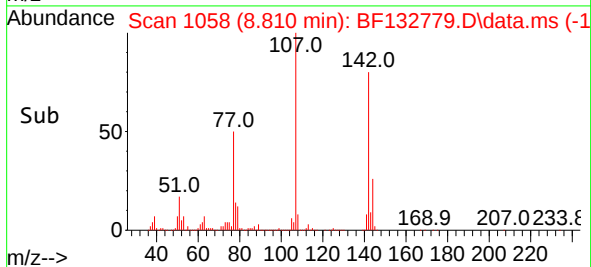
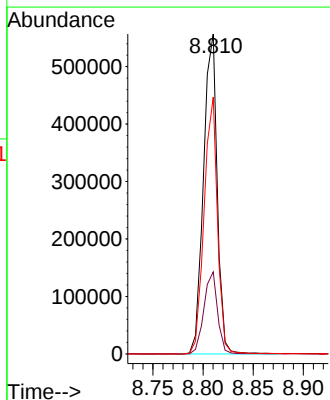
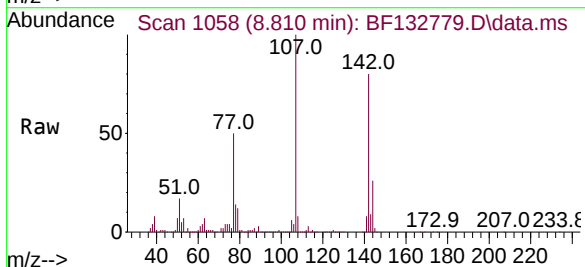
Manual Integrations
 APPROVED

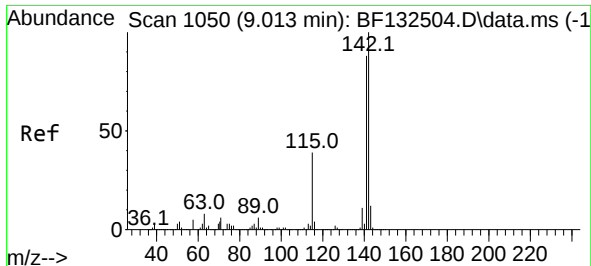
Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023



#36
 4-Chloro-3-methylphenol
 Concen: 39.347 ng
 RT: 8.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: BF132779.D
 Acq: 14 Mar 2023 15:40

Tgt Ion:107 Resp: 528619
 Ion Ratio Lower Upper
 107 100
 144 25.6 18.9 28.3
 142 80.3 57.9 86.9





#37
2-Methylnaphthalene
Concen: 37.991 ng
RT: 8.963 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

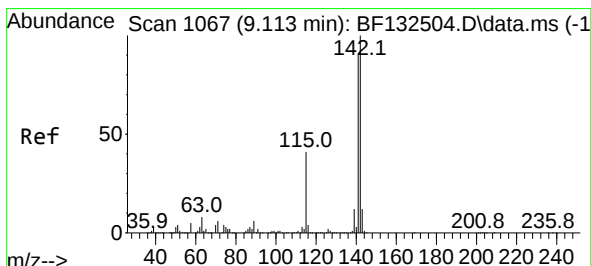
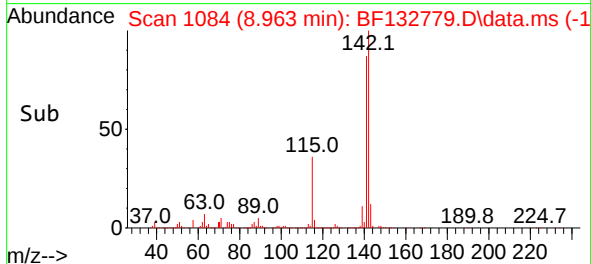
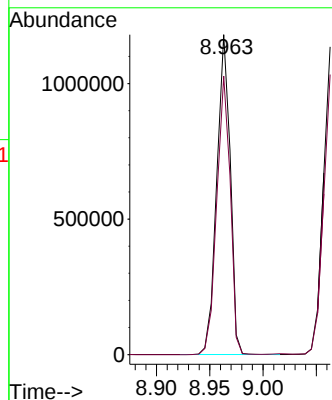
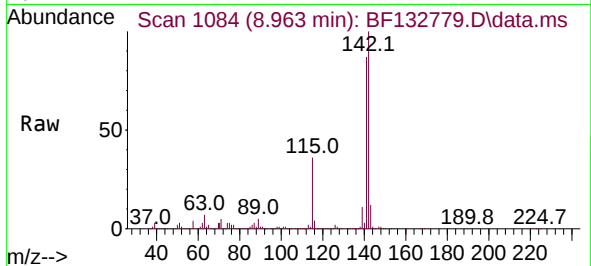
COMP-SOILMSD

Tgt Ion:142 Resp: 1038372
Ion Ratio Lower Upper
142 100
141 87.0 70.2 105.2

Manual Integrations

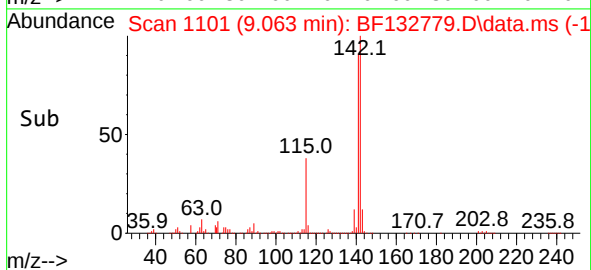
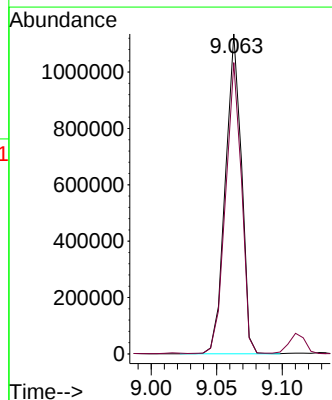
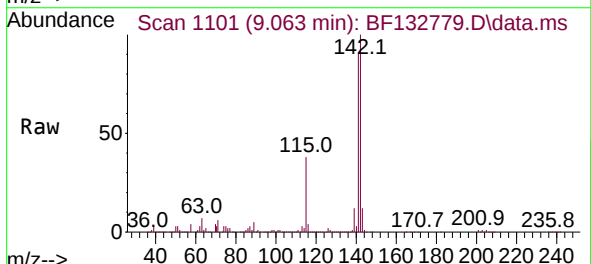
APPROVED

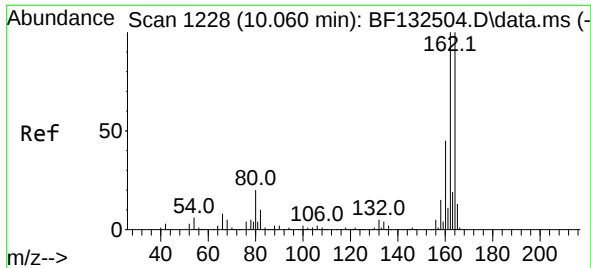
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#38
1-Methylnaphthalene
Concen: 37.902 ng
RT: 9.063 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:142 Resp: 968122
Ion Ratio Lower Upper
142 100
141 91.0 73.0 109.6





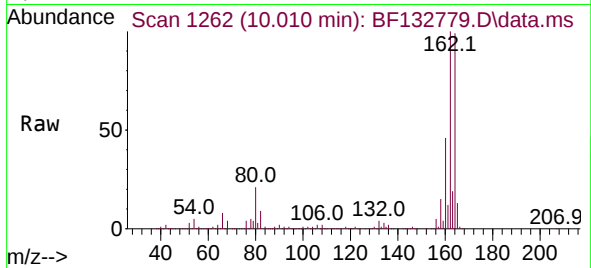
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

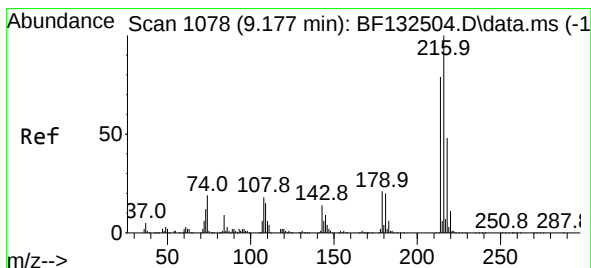
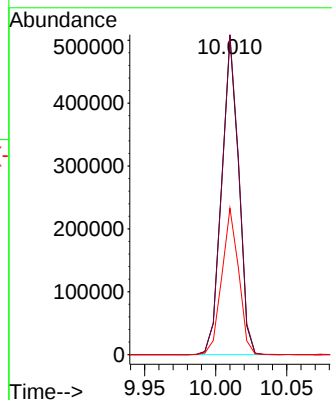
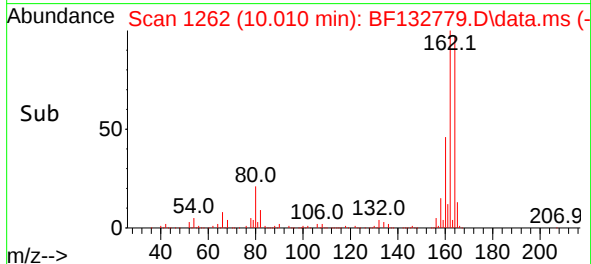


Tgt Ion:164 Resp: 420055
Ion Ratio Lower Upper
164 100
162 100.9 79.8 119.8
160 46.1 35.8 53.6

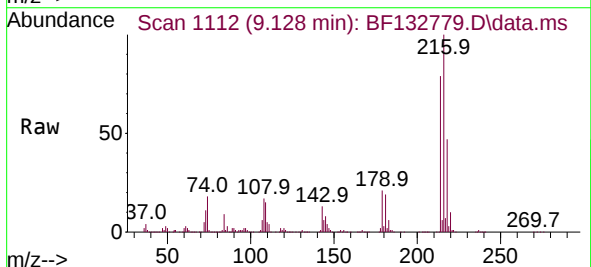
Manual Integrations

APPROVED

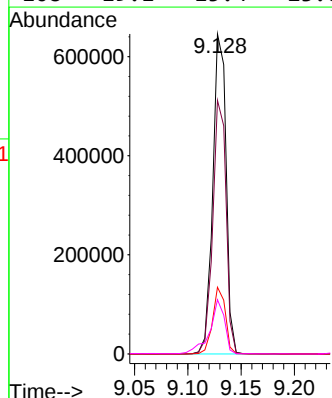
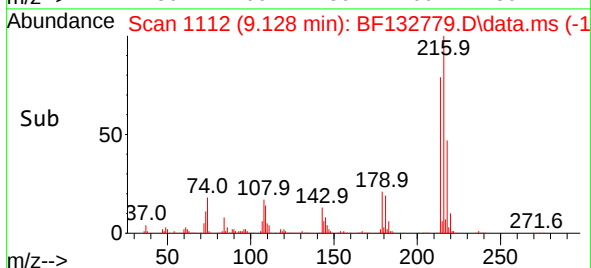
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

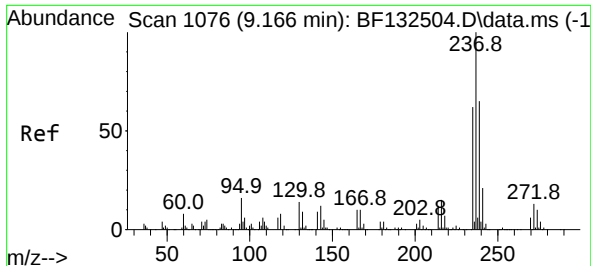


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.814 ng
RT: 9.128 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



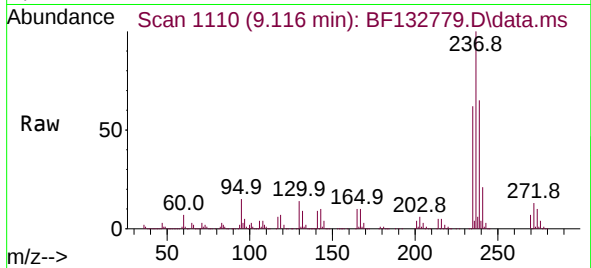
Tgt Ion:216 Resp: 560918
Ion Ratio Lower Upper
216 100
214 79.2 63.0 94.6
179 19.9 16.6 24.8
108 19.1 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 76.624 ng
RT: 9.116 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

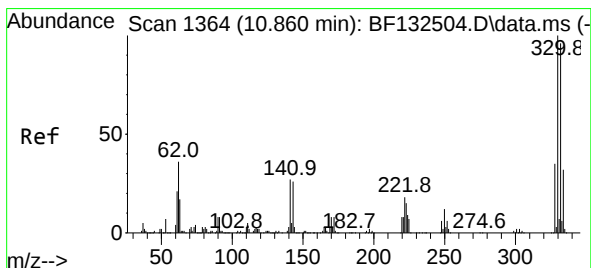
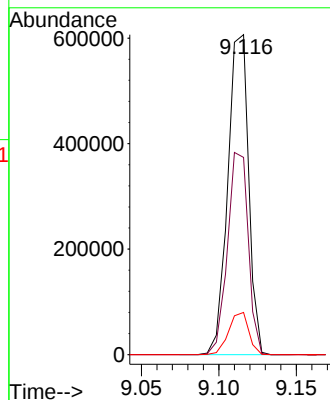
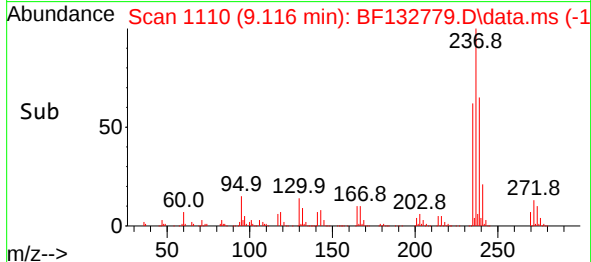
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



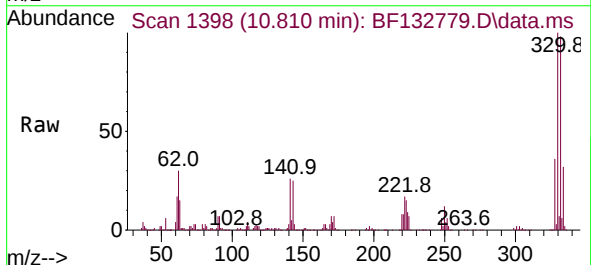
Tgt Ion:237 Resp: 571176
Ion Ratio Lower Upper
237 100
235 61.6 42.4 82.4
272 13.2 0.0 32.7

Manual Integrations
APPROVED

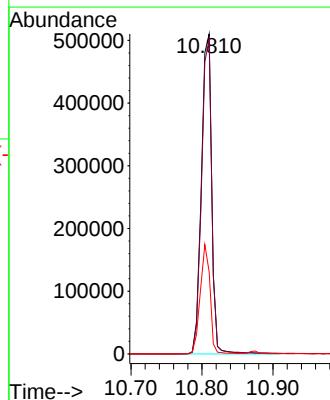
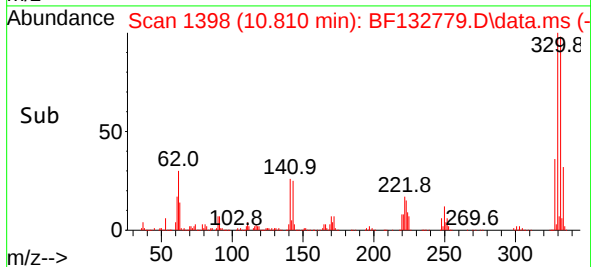
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

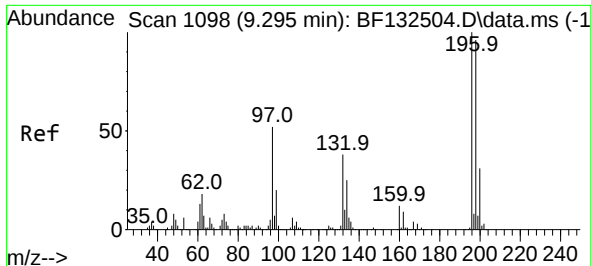


#42
2,4,6-Tribromophenol
Concen: 112.642 ng
RT: 10.810 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



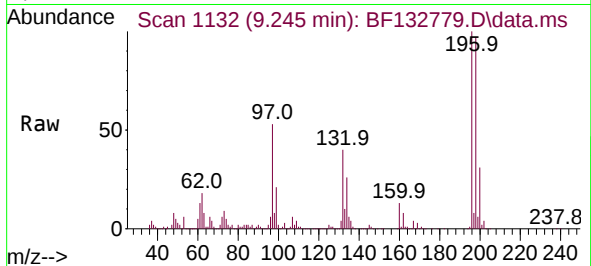
Tgt Ion:330 Resp: 510993
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 32.4 28.4 42.6





#43
2,4,6-Trichlorophenol
Concen: 40.012 ng
RT: 9.245 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

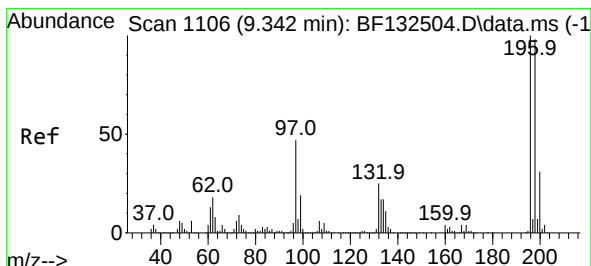
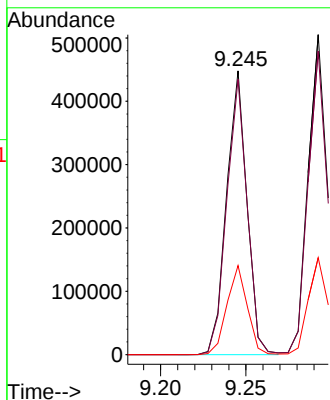
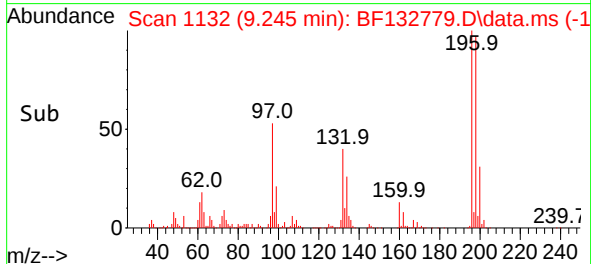
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



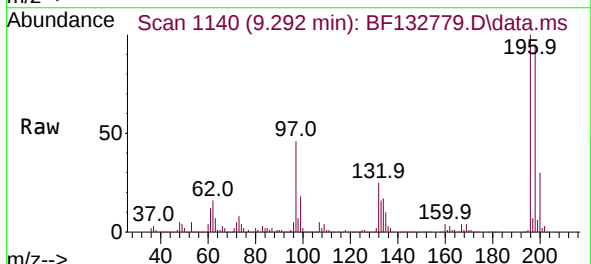
Tgt Ion:196 Resp: 372662
Ion Ratio Lower Upper
196 100
198 97.1 77.1 115.7
200 31.4 25.0 37.4

Manual Integrations
APPROVED

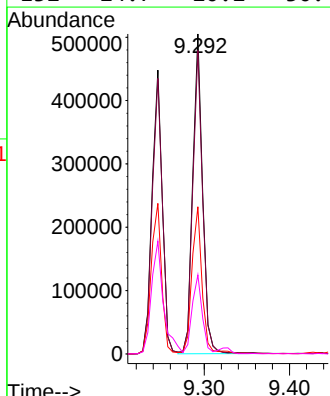
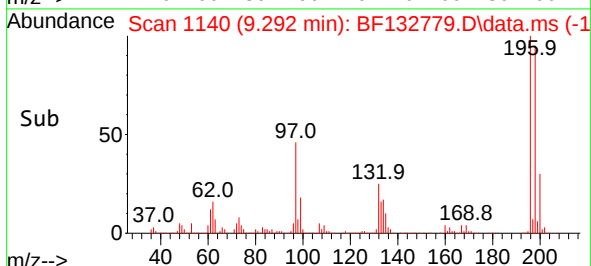
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

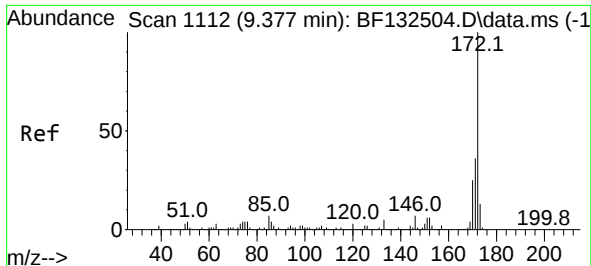


#44
2,4,5-Trichlorophenol
Concen: 37.495 ng
RT: 9.292 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:196 Resp: 407587
Ion Ratio Lower Upper
196 100
198 94.8 78.3 117.5
97 46.0 38.1 57.1
132 24.7 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 65.802 ng
RT: 9.328 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

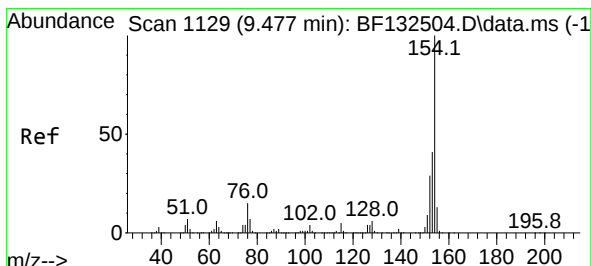
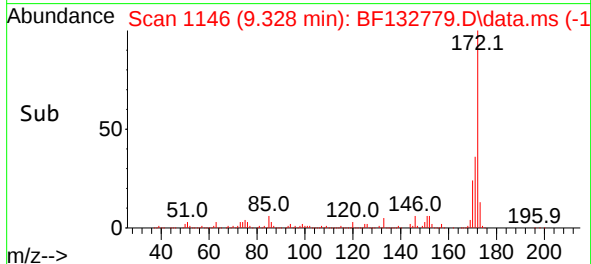
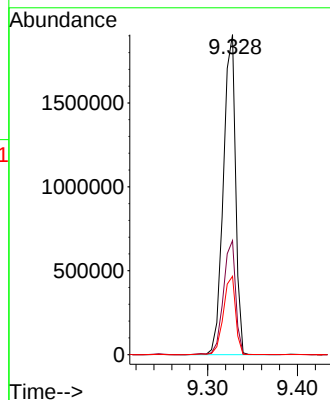
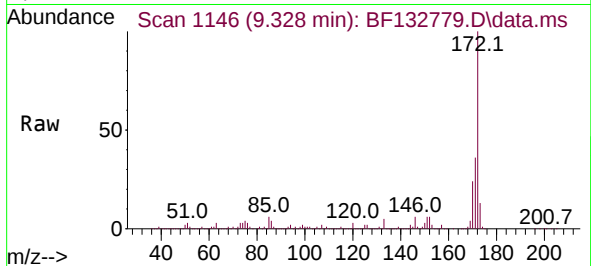
Tgt Ion:172 Resp: 1815259
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.5 19.7 29.5

Manual Integrations

APPROVED

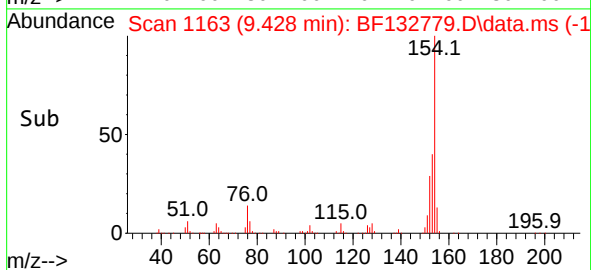
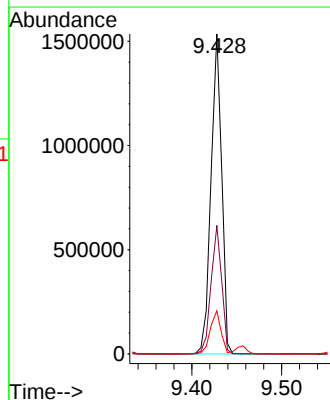
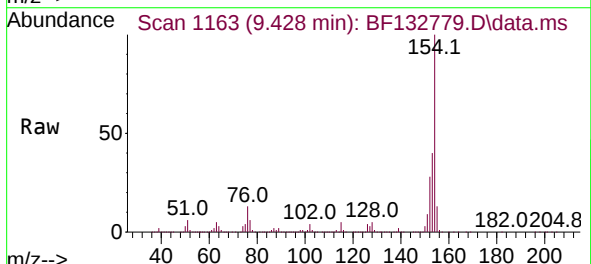
Reviewed By :Yogesh Patel 03/15/2023

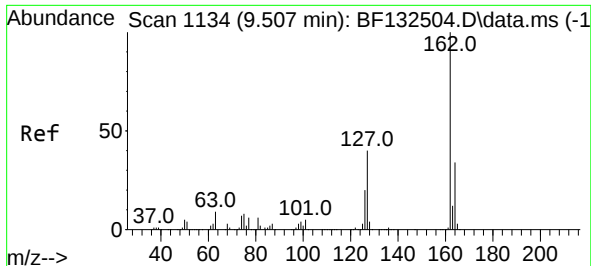
Supervised By :Jagrut Upadhyay 03/15/2023



#46
1,1'-Biphenyl
Concen: 39.813 ng
RT: 9.428 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:154 Resp: 1265793
Ion Ratio Lower Upper
154 100
153 40.1 20.9 60.9
76 13.5 0.0 34.7





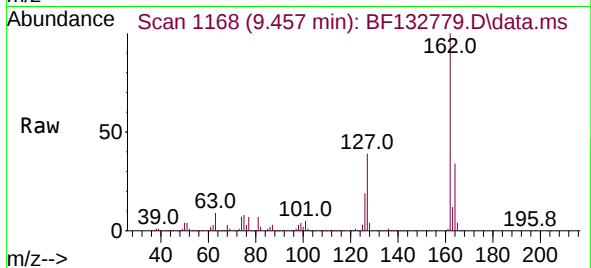
#47
2-Chloronaphthalene
Concen: 40.461 ng
RT: 9.457 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

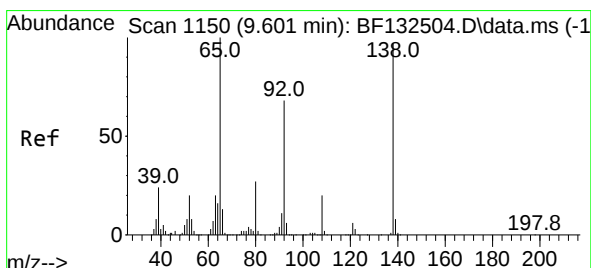
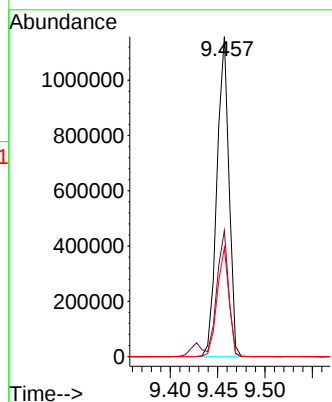
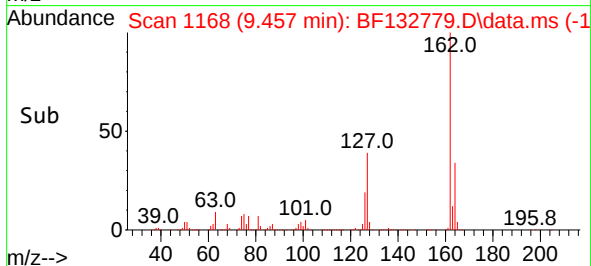


Tgt Ion:162 Resp: 1019915
Ion Ratio Lower Upper
162 100
127 39.4 32.3 48.5
164 34.0 26.9 40.3

Manual Integrations

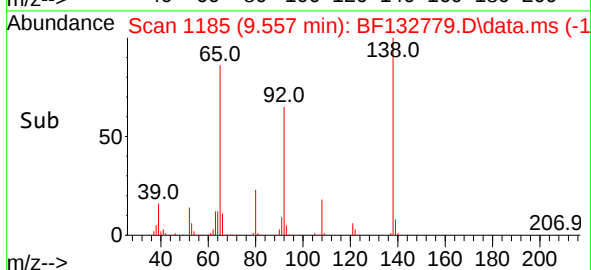
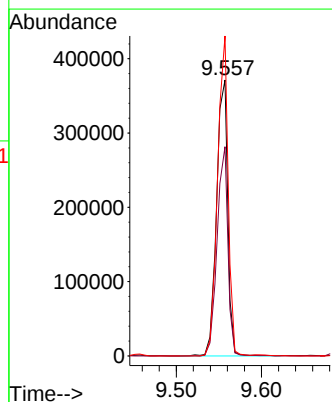
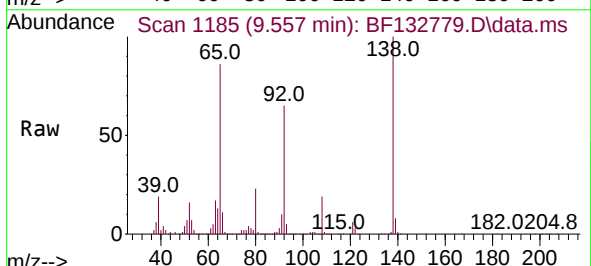
APPROVED

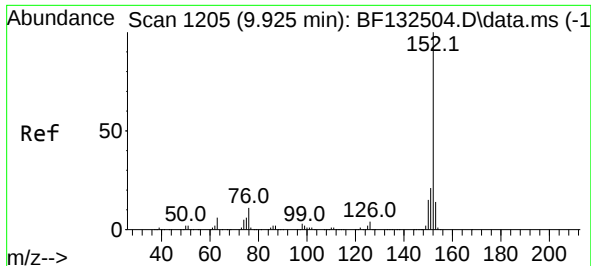
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#48
2-Nitroaniline
Concen: 36.415 ng
RT: 9.557 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion: 65 Resp: 338076
Ion Ratio Lower Upper
65 100
92 75.8 54.5 81.7
138 116.0 77.2 115.8#





#49

Acenaphthylene

Concen: 38.937 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:152 Resp: 1562060

Ion Ratio Lower Upper

152 100

151 20.5 16.4 24.6

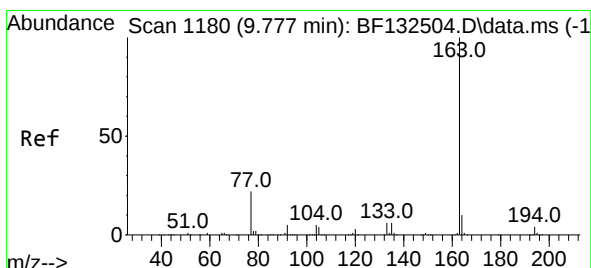
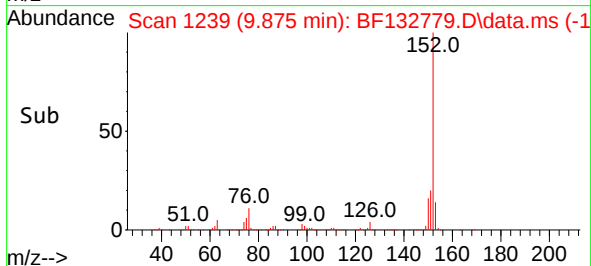
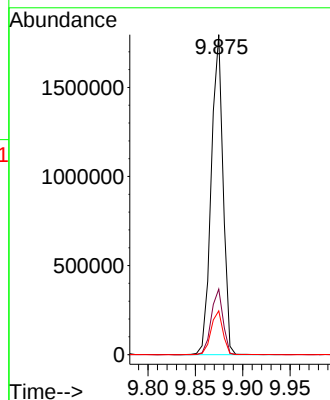
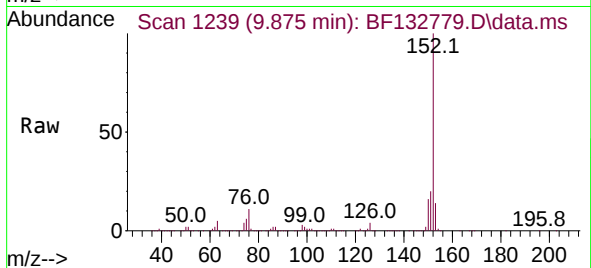
153 13.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#50

Dimethylphthalate

Concen: 40.566 ng

RT: 9.728 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

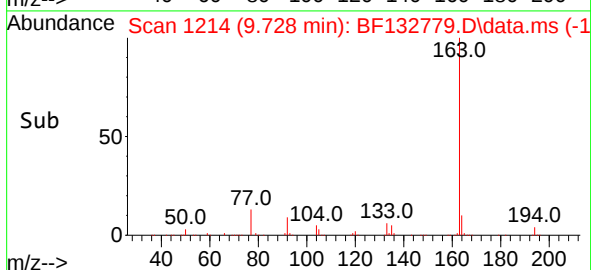
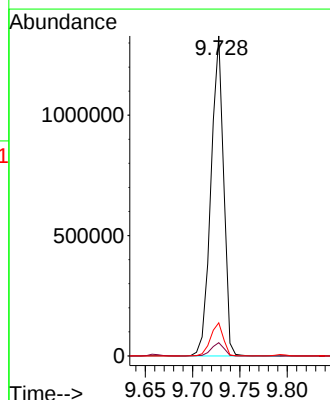
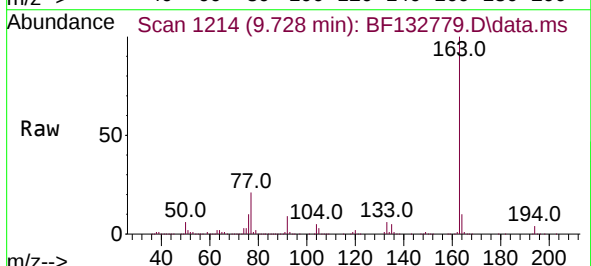
Tgt Ion:163 Resp: 1240714

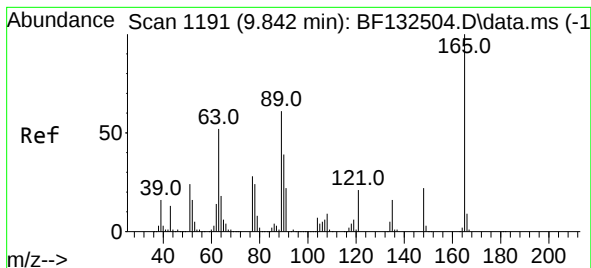
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.3 8.3 12.5





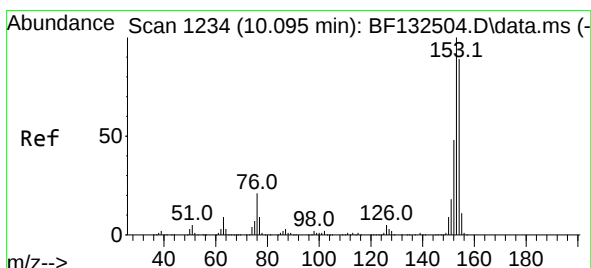
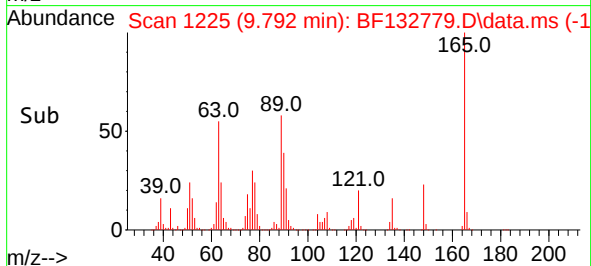
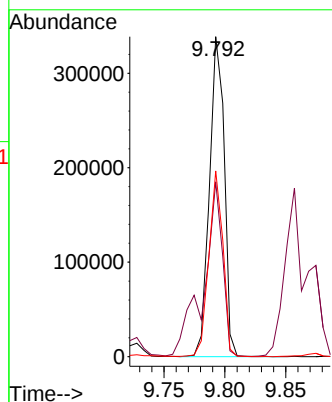
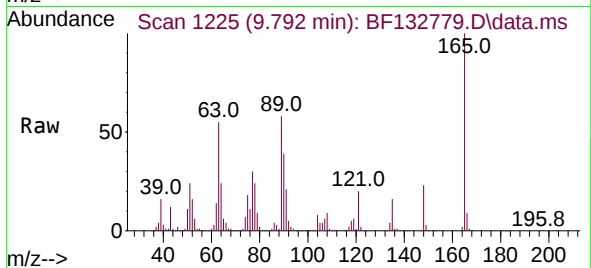
#51
2,6-Dinitrotoluene
Concen: 41.211 ng
RT: 9.792 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion:165 Resp: 287056
Ion Ratio Lower Upper
165 100
63 54.6 47.3 70.9
89 58.0 48.9 73.3

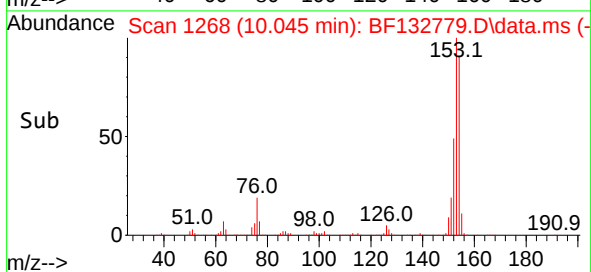
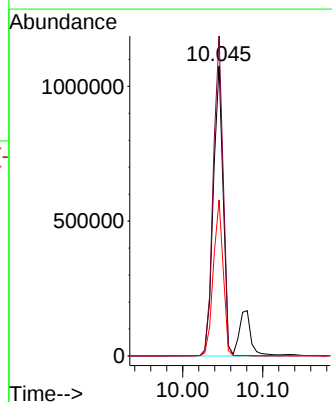
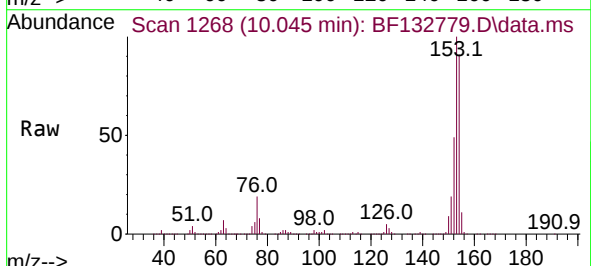
Manual Integrations
APPROVED

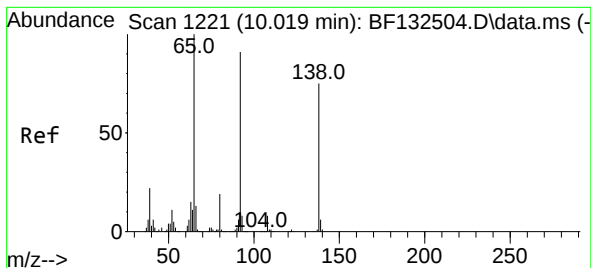
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#52
Acenaphthene
Concen: 42.753 ng m
RT: 10.045 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

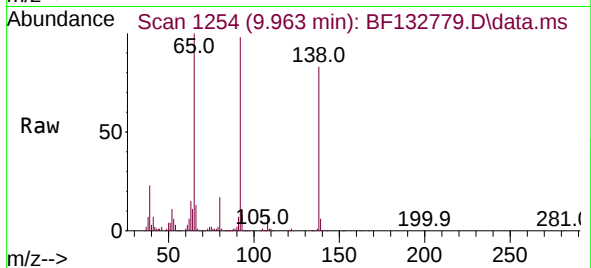
Tgt Ion:154 Resp: 1089106
Ion Ratio Lower Upper
154 100
153 110.3 89.8 134.8
152 53.8 43.3 64.9





#53
3-Nitroaniline
Concen: 14.925 ng
RT: 9.963 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

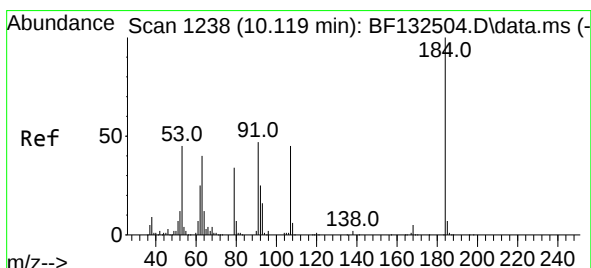
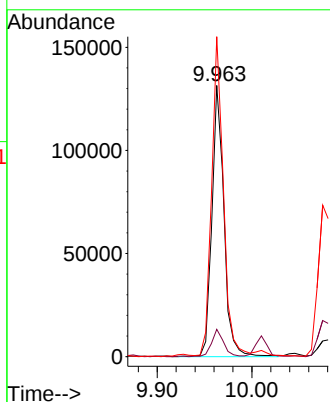
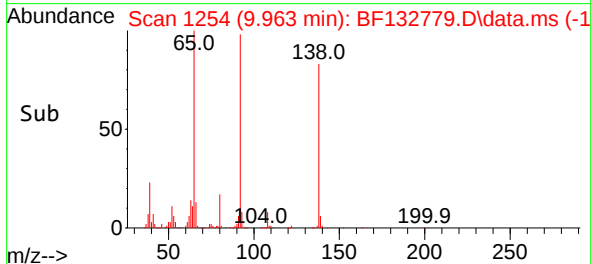
Instrument :
BNA_F
Client Sample Id :
COMP-SOILMSD



Tgt Ion:138 Resp: 116293
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 118.0 97.2 145.8

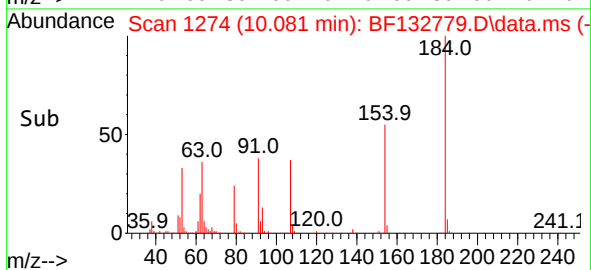
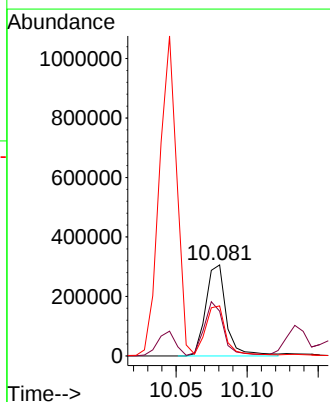
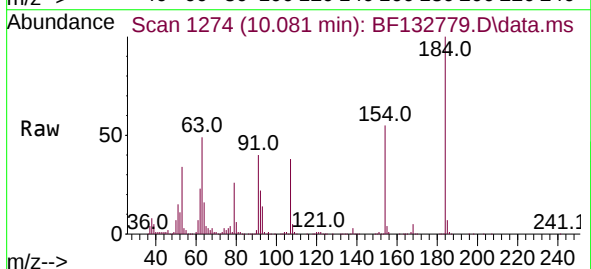
Manual Integrations
APPROVED

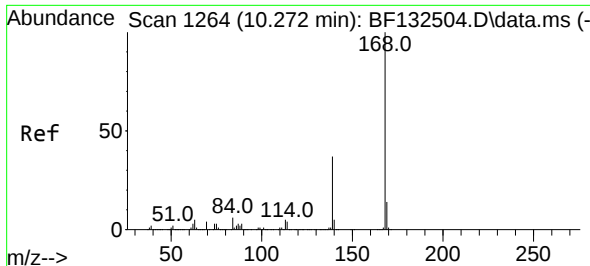
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#54
2,4-Dinitrophenol
Concen: 70.321 ng
RT: 10.081 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

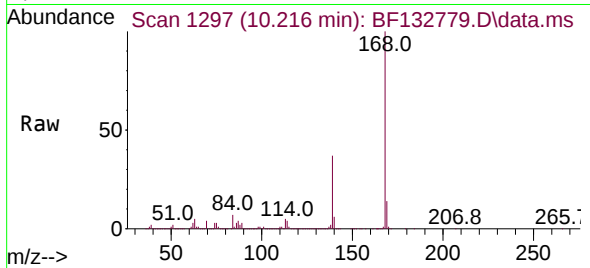
Tgt Ion:184 Resp: 307663
Ion Ratio Lower Upper
184 100
63 49.2 51.4 77.2#
154 54.9 48.3 72.5





#55
Dibenzenofuran
Concen: 38.580 ng
RT: 10.216 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

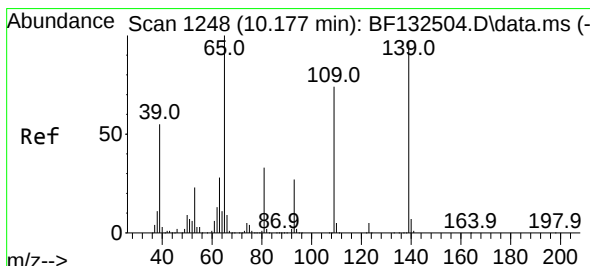
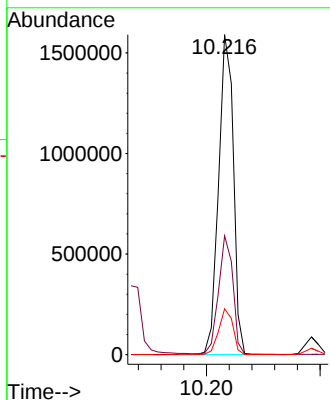
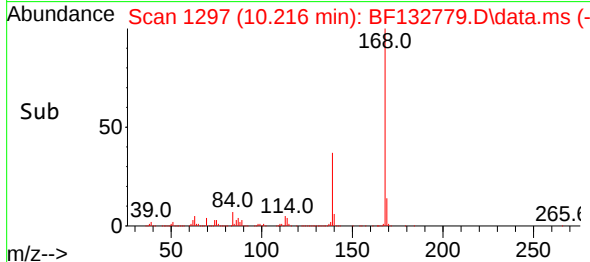
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



Tgt Ion:168 Resp: 143275
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 14.4 10.9 16.3

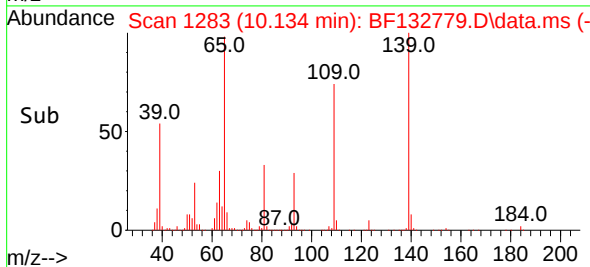
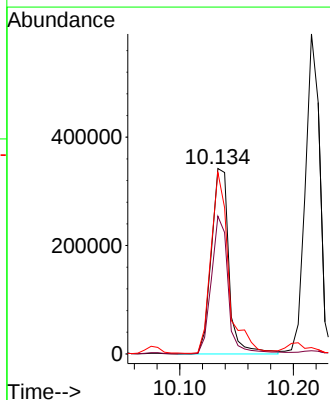
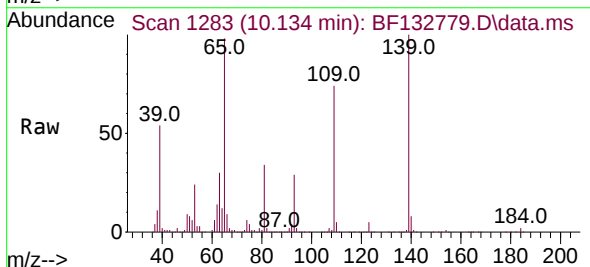
Manual Integrations
APPROVED

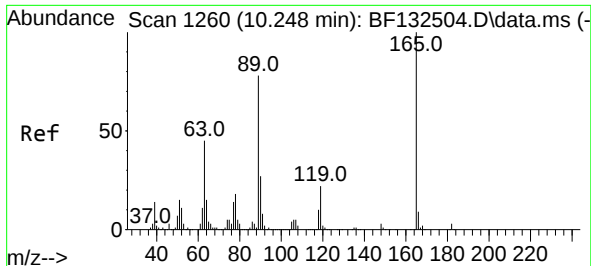
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#56
4-Nitrophenol
Concen: 63.448 ng
RT: 10.134 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:139 Resp: 368688
Ion Ratio Lower Upper
139 100
109 74.3 56.7 96.7
65 97.9 83.5 123.5





#57
2,4-Dinitrotoluene
Concen: 40.310 ng
RT: 10.204 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

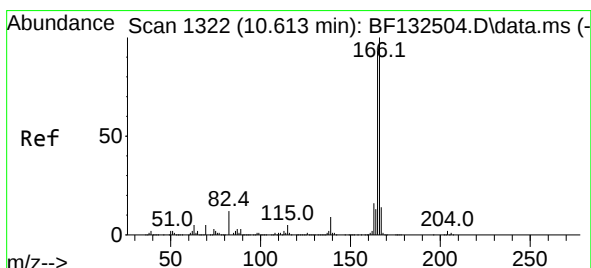
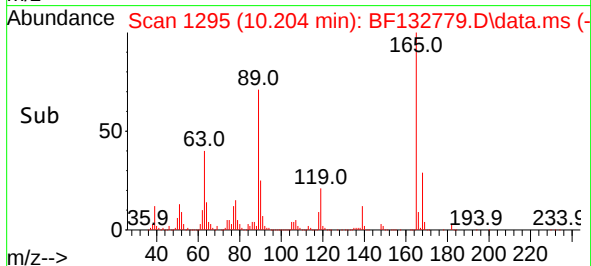
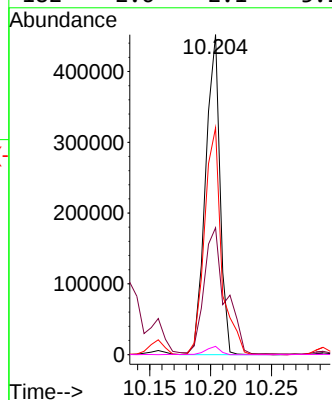
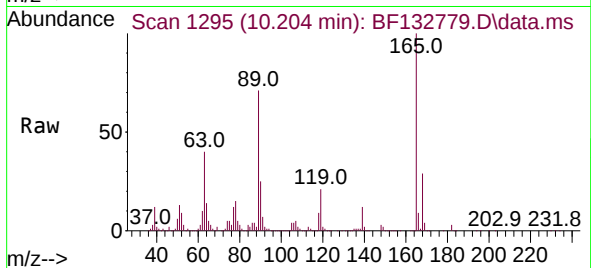
COMP-SOILMSD

Tgt Ion:165 Resp: 37353
Ion Ratio Lower Upper
165 100
63 39.6 36.5 54.7
89 70.9 62.4 93.6
182 2.6 2.1 3.1

Manual Integrations

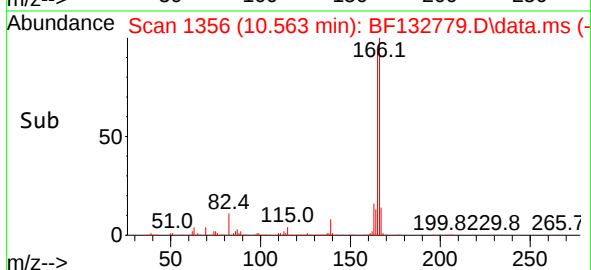
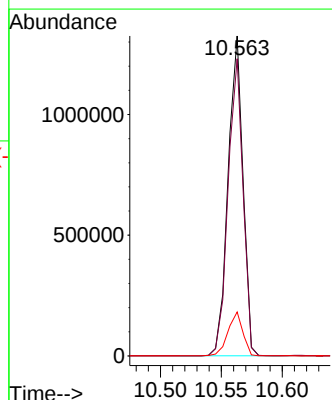
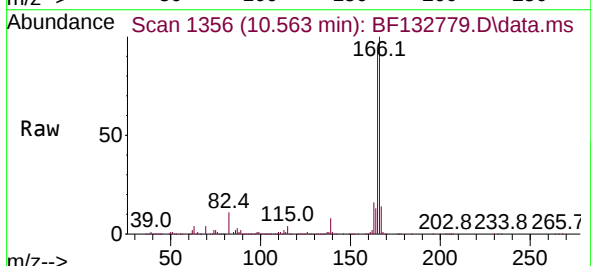
APPROVED

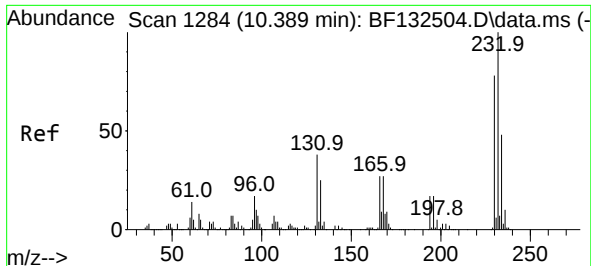
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#58
Fluorene
Concen: 39.718 ng
RT: 10.563 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

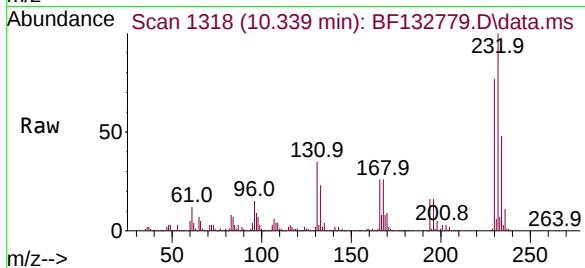
Tgt Ion:166 Resp: 1128263
Ion Ratio Lower Upper
166 100
165 92.9 74.2 111.4
167 13.7 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.847 ng
RT: 10.339 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

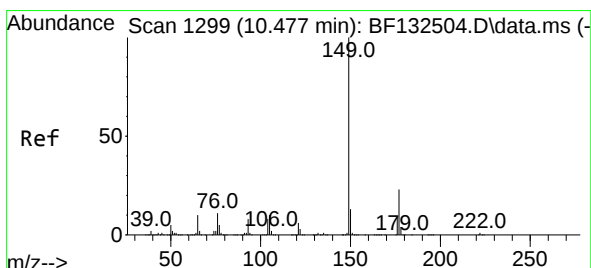
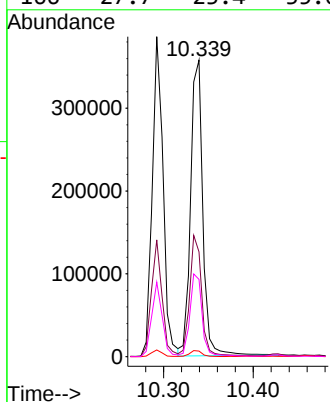
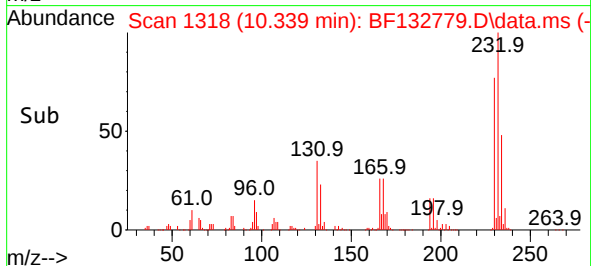
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



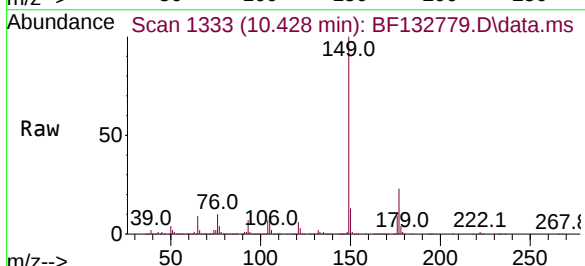
Tgt Ion:232 Resp: 337909
Ion Ratio Lower Upper
232 100
131 39.8 33.8 50.8
130 2.0 1.7 2.5
166 27.7 23.4 35.0

Manual Integrations
APPROVED

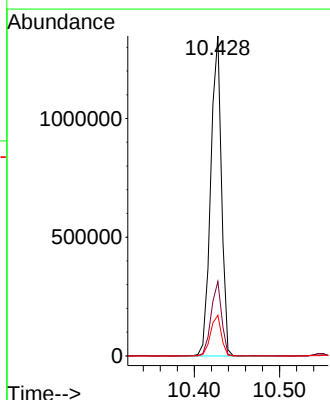
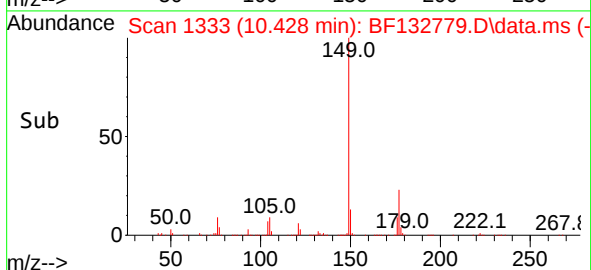
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

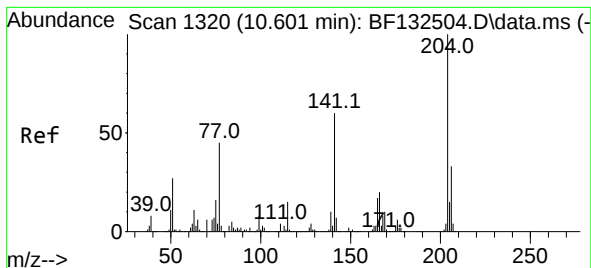


#60
Diethylphthalate
Concen: 39.424 ng
RT: 10.428 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:149 Resp: 1177639
Ion Ratio Lower Upper
149 100
177 23.2 18.1 27.1
150 12.7 10.2 15.2





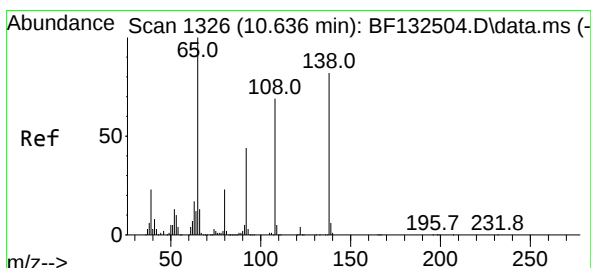
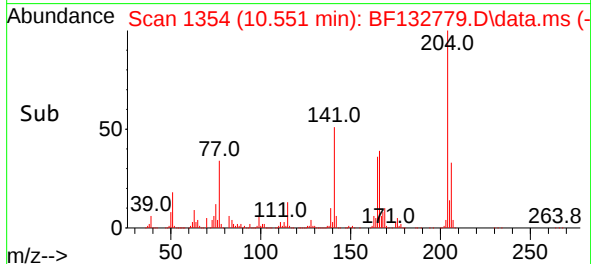
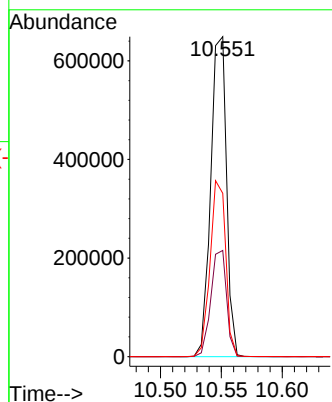
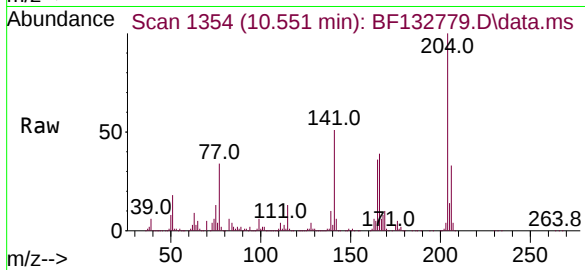
#61
4-Chlorophenyl-phenylether
Concen: 39.853 ng
RT: 10.551 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion:204 Resp: 587296
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 51.0 47.8 71.8

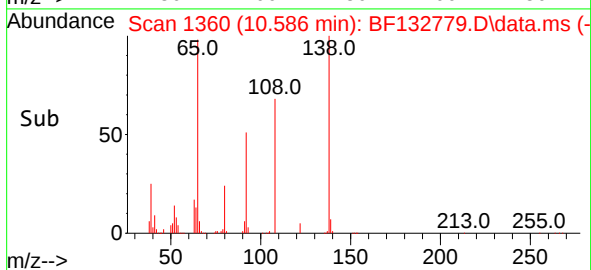
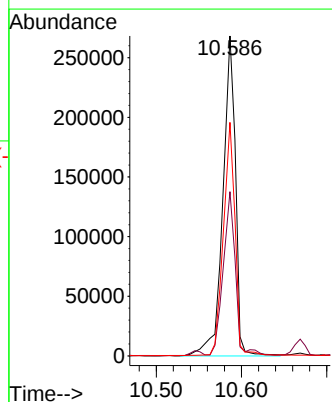
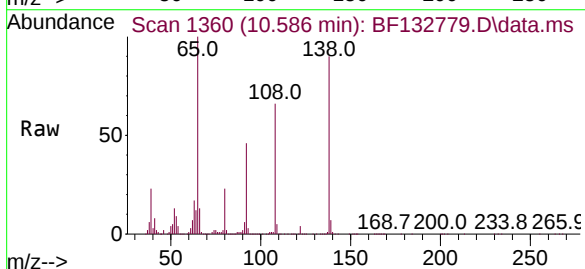
Manual Integrations
APPROVED

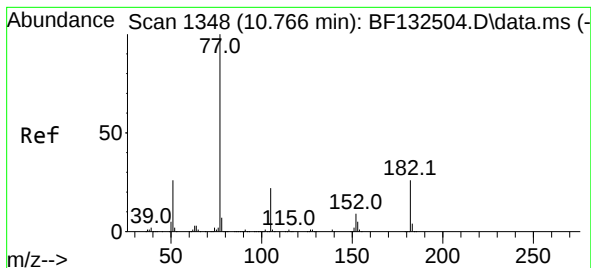
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#62
4-Nitroaniline
Concen: 36.145 ng
RT: 10.586 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

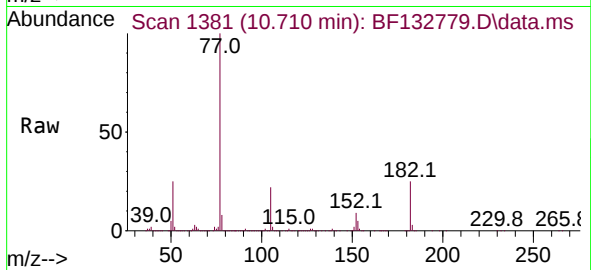
Tgt Ion:138 Resp: 276457
Ion Ratio Lower Upper
138 100
92 51.3 33.8 73.8
108 73.0 63.7 103.7





#63
Azobenzene
Concen: 37.893 ng
RT: 10.710 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

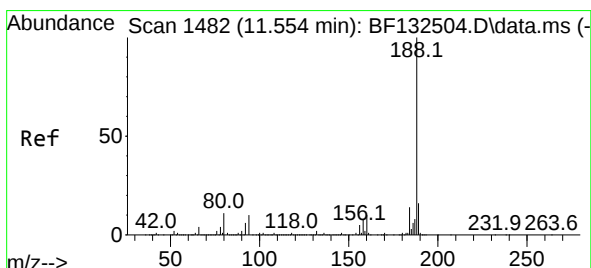
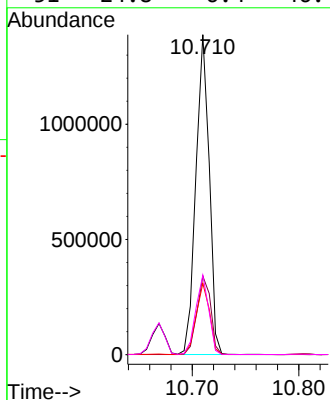
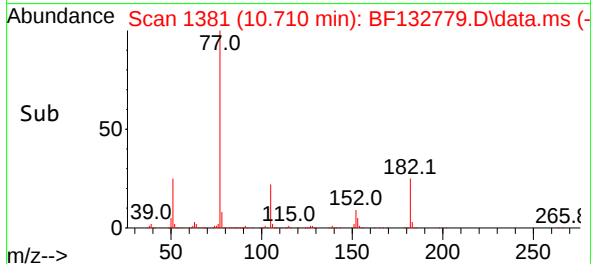
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



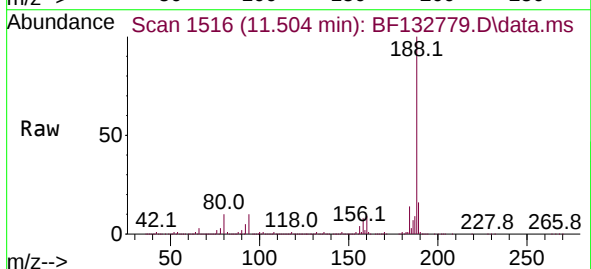
Tgt Ion: 77 Resp: 1198756
Ion Ratio Lower Upper
77 100
182 24.5 5.5 45.5
105 22.3 1.8 41.8
51 24.8 6.4 46.4

Manual Integrations
APPROVED

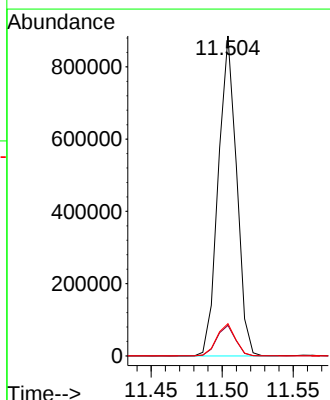
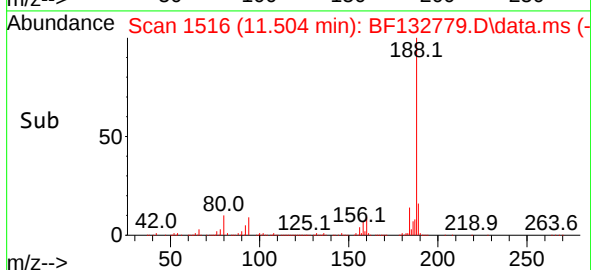
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

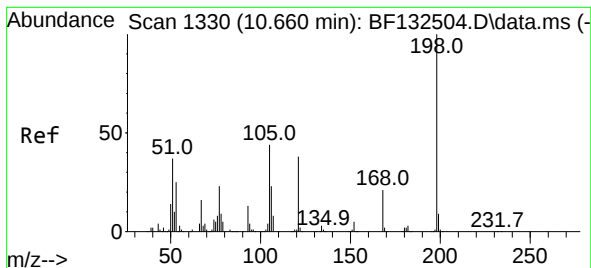


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:188 Resp: 795730
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 10.1 8.7 13.1





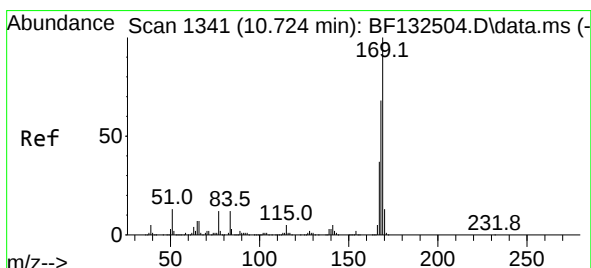
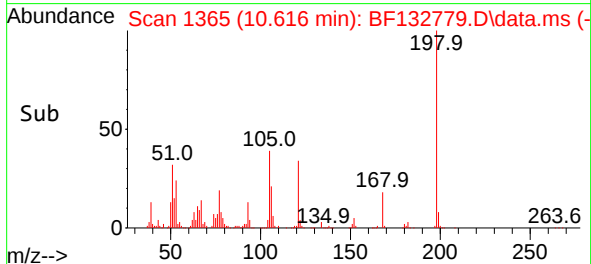
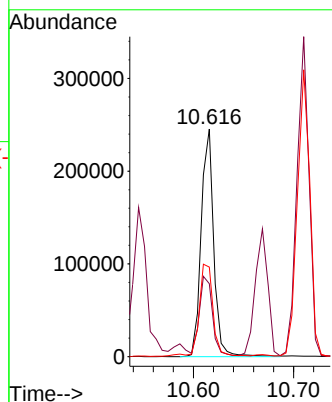
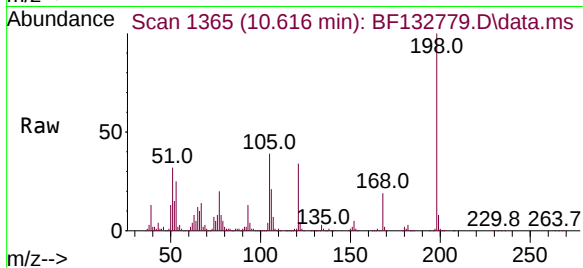
#65
4,6-Dinitro-2-methylphenol
Concen: 39.418 ng
RT: 10.616 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion:198 Resp: 212333
Ion Ratio Lower Upper
198 100
51 32.0 20.6 60.6
105 39.3 24.3 64.3

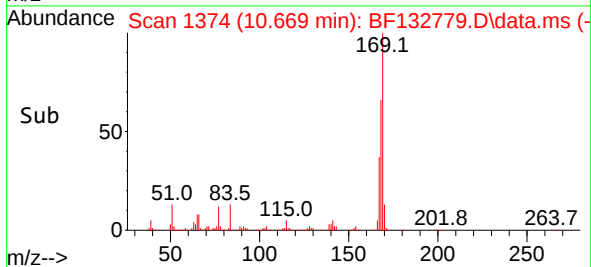
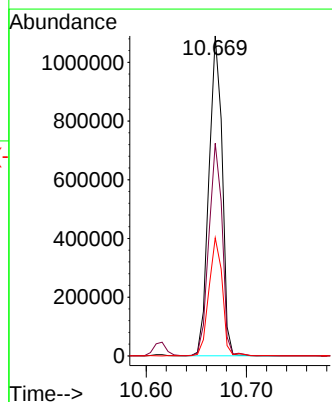
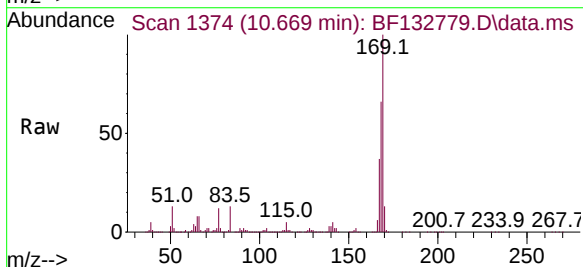
Manual Integrations
APPROVED

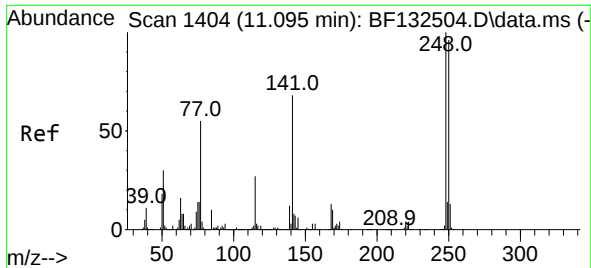
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#66
n-Nitrosodiphenylamine
Concen: 40.060 ng
RT: 10.669 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

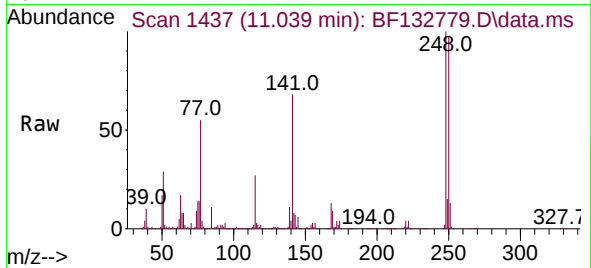
Tgt Ion:169 Resp: 993780
Ion Ratio Lower Upper
169 100
168 66.4 54.2 81.4
167 36.9 29.6 44.4





#67
4-Bromophenyl-phenylether
Concen: 41.992 ng
RT: 11.039 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

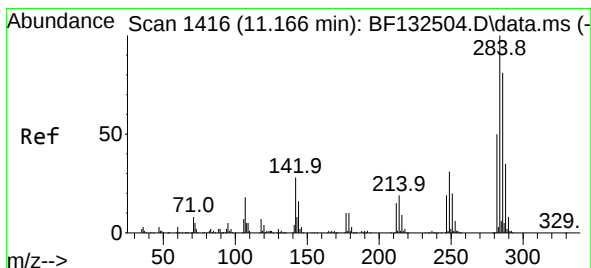
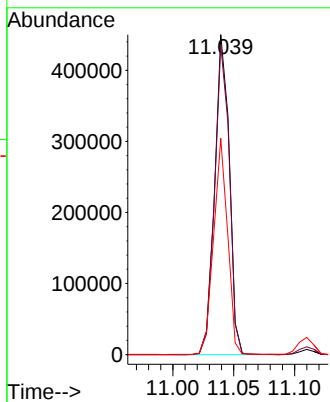
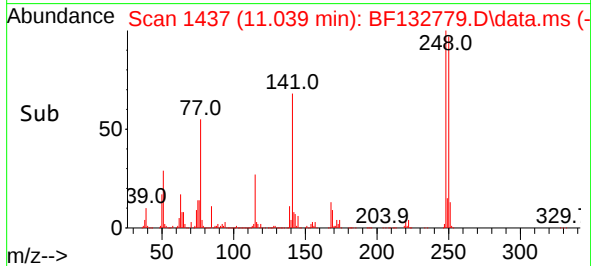
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



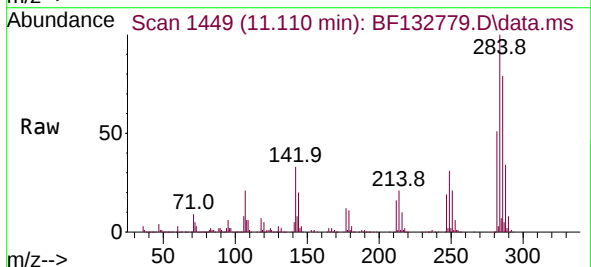
Tgt Ion:248 Resp: 377970
Ion Ratio Lower Upper
248 100
250 96.7 77.0 115.4
141 67.6 54.2 81.2

Manual Integrations
APPROVED

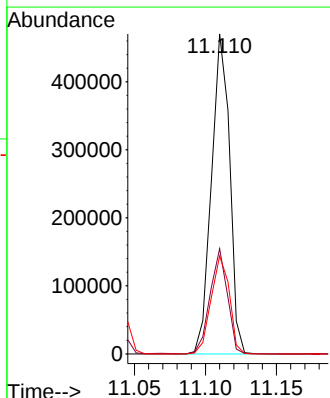
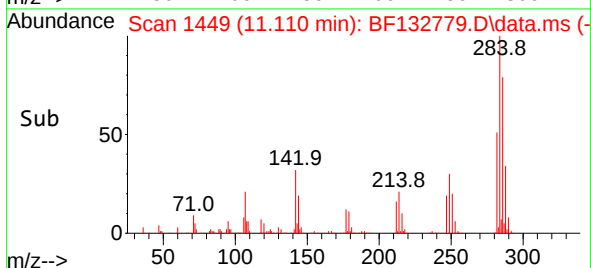
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

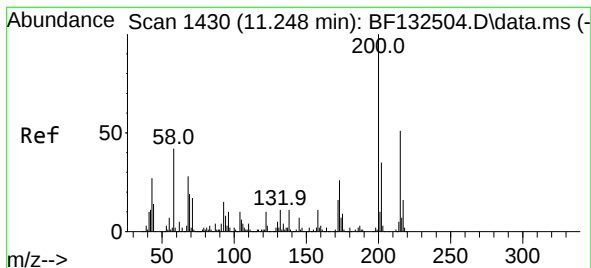


#68
Hexachlorobenzene
Concen: 44.158 ng
RT: 11.110 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:284 Resp: 418229
Ion Ratio Lower Upper
284 100
142 32.9 22.2 33.4
249 30.6 24.9 37.3





#69

Atrazine

Concen: 39.796 ng

RT: 11.192 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:200 Resp: 308203

Ion Ratio Lower Upper

200 100

173 26.6 6.4 46.4

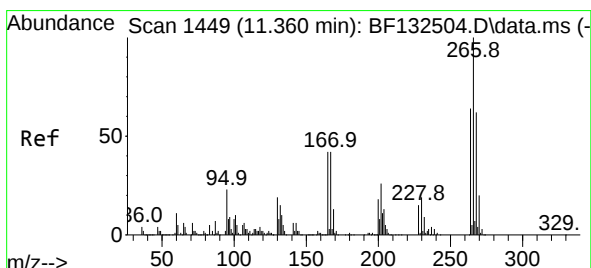
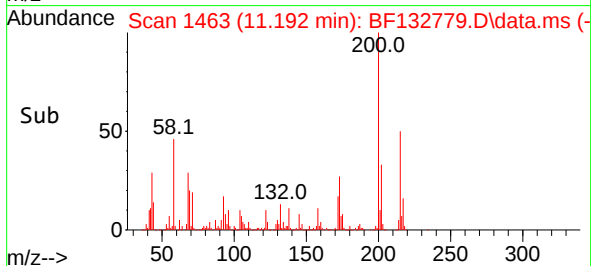
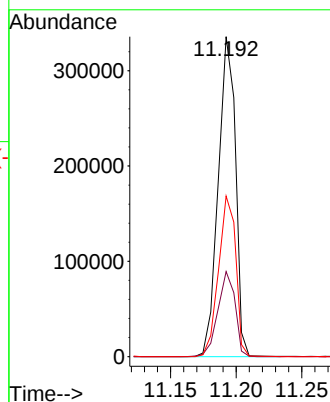
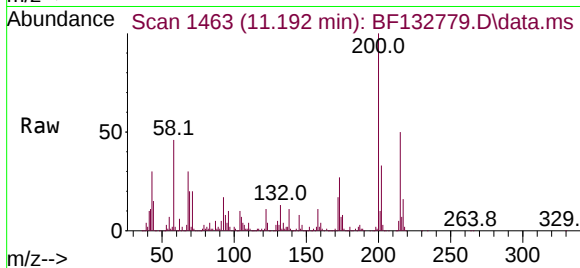
215 50.2 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#70

Pentachlorophenol

Concen: 71.191 ng

RT: 11.310 min Scan# 1483

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

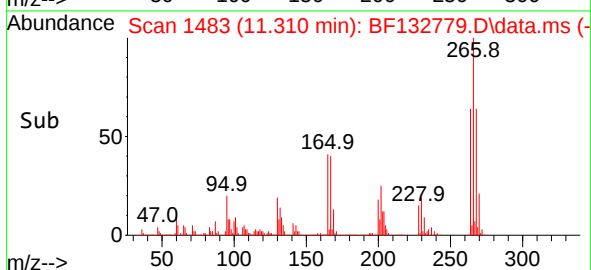
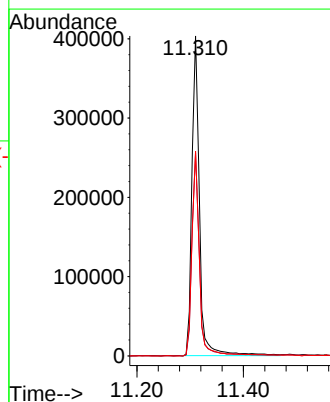
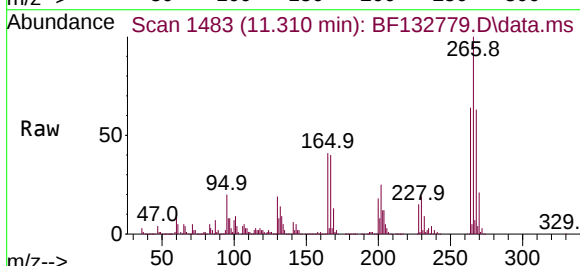
Tgt Ion:266 Resp: 401158

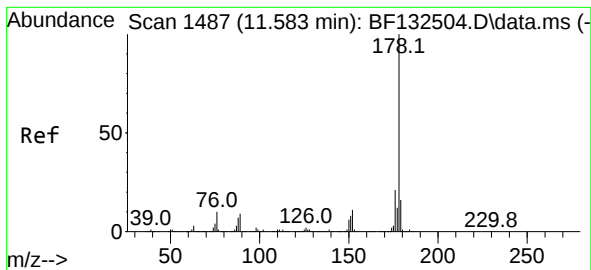
Ion Ratio Lower Upper

266 100

268 63.5 49.8 74.6

264 64.0 50.9 76.3





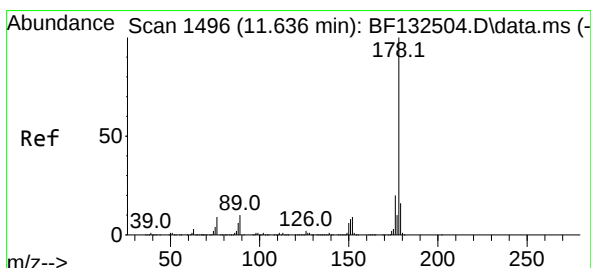
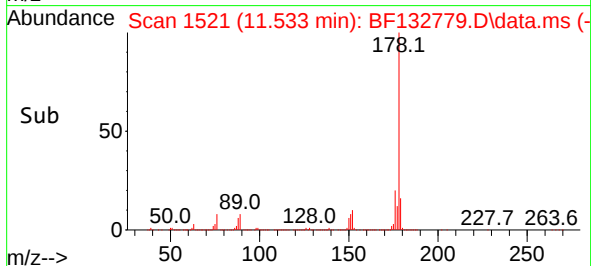
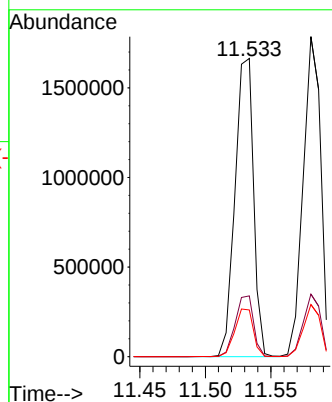
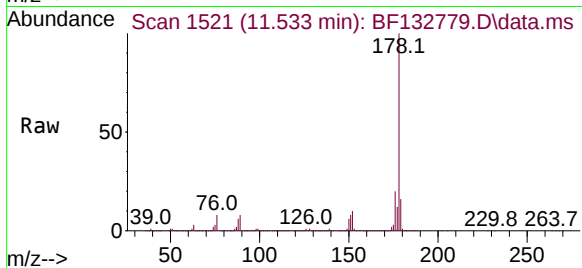
#71
Phenanthrene
Concen: 39.588 ng
RT: 11.533 min Scan# 11529
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD

Tgt Ion:178 Resp: 1631914
Ion Ratio Lower Upper
178 100
176 20.4 16.5 24.7
179 15.6 13.0 19.6

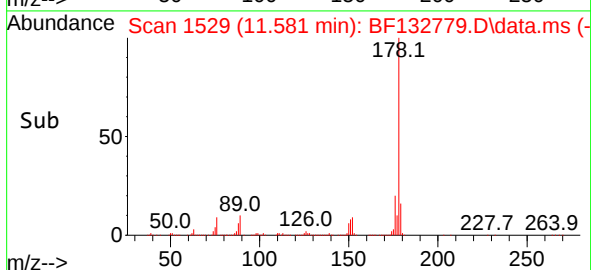
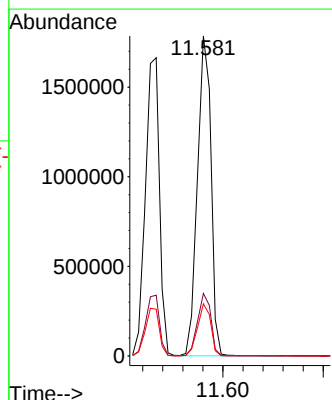
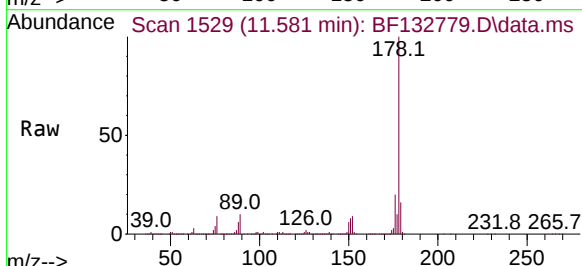
Manual Integrations
APPROVED

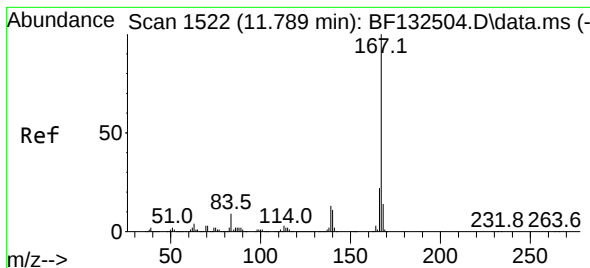
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#72
Anthracene
Concen: 39.393 ng
RT: 11.581 min Scan# 1529
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

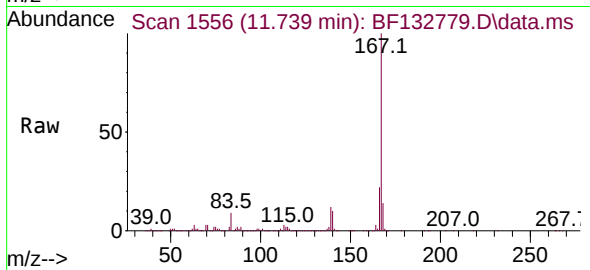
Tgt Ion:178 Resp: 1672230
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 16.3 12.5 18.7





#73
 Carbazole
 Concen: 38.298 ng
 RT: 11.739 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132779.D
 Acq: 14 Mar 2023 15:40

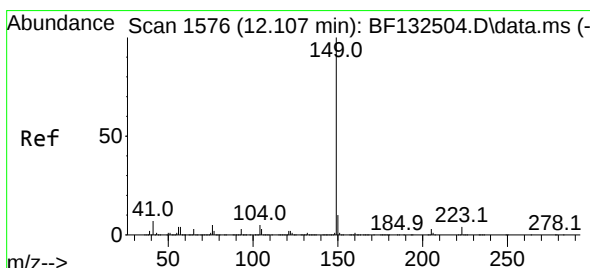
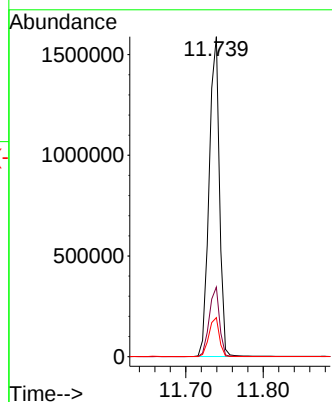
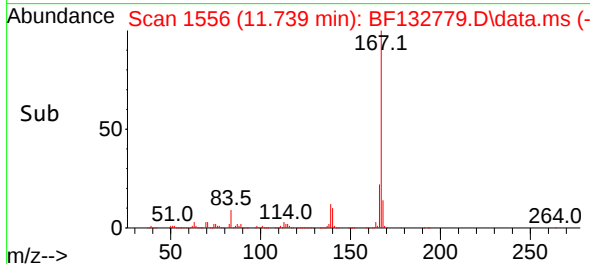
Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOILMSD



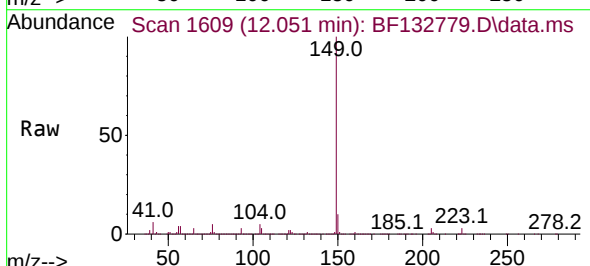
Tgt Ion:167 Resp: 146578
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 12.2 10.5 15.7

Manual Integrations
 APPROVED

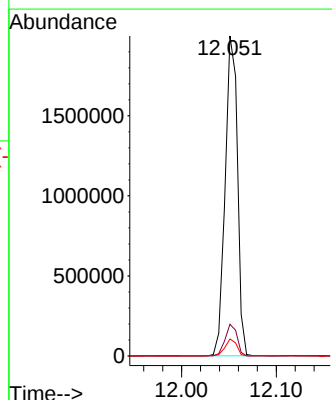
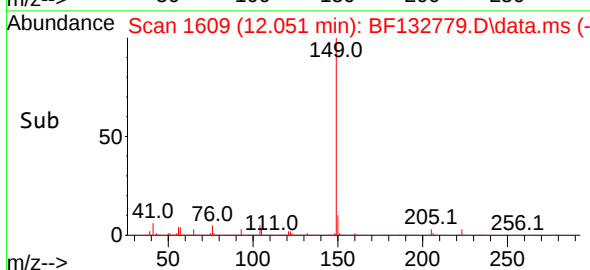
Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023

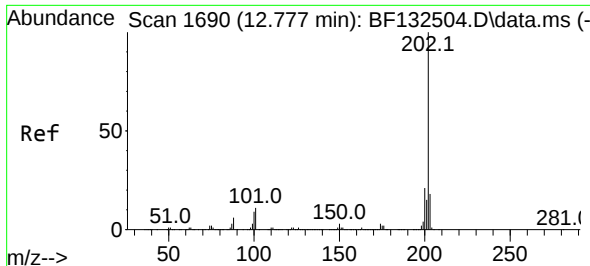


#74
 Di-n-butylphthalate
 Concen: 40.018 ng
 RT: 12.051 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF132779.D
 Acq: 14 Mar 2023 15:40



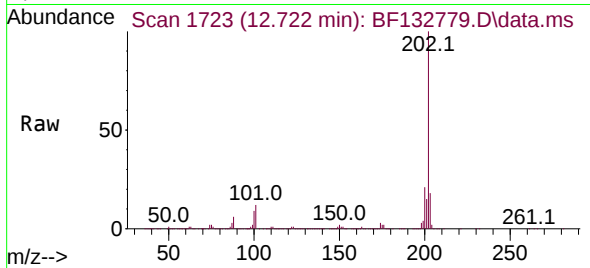
Tgt Ion:149 Resp: 1796577
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.8 11.8
 104 5.3 4.3 6.5





#75
Fluoranthene
Concen: 36.858 ng
RT: 12.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

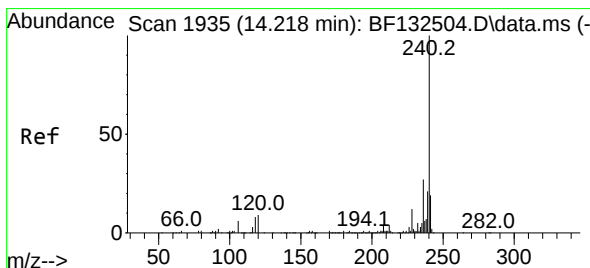
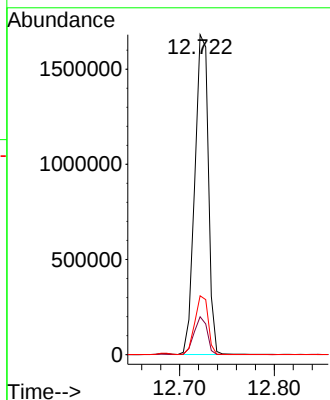
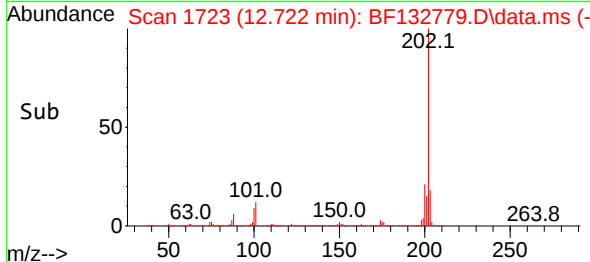
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



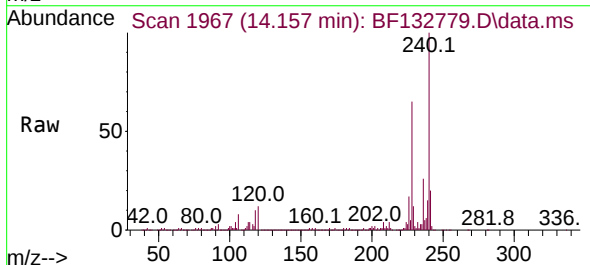
Tgt Ion:202 Resp: 1660993
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 18.4 0.0 38.0

Manual Integrations
APPROVED

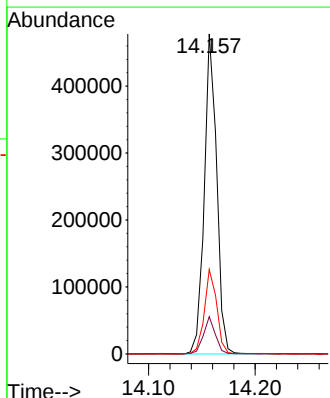
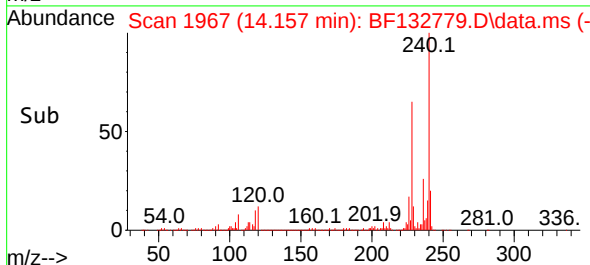
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

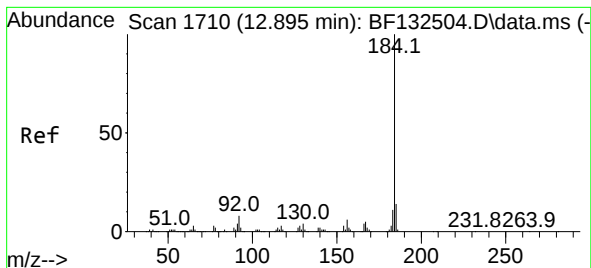


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:240 Resp: 384931
Ion Ratio Lower Upper
240 100
120 11.6 7.2 10.8#
236 26.4 21.8 32.6





#77

Benzidine

Concen: 13.840 ng

RT: 12.845 min Scan# 1710

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:184 Resp: 129681

Ion Ratio Lower Upper

184 100

185 15.2 11.7 17.5

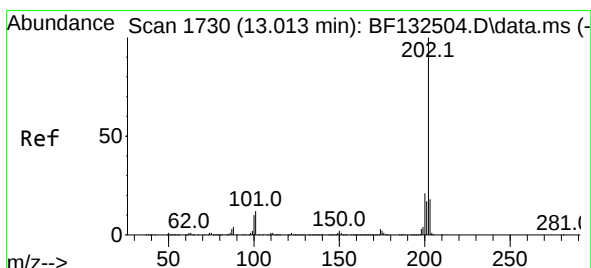
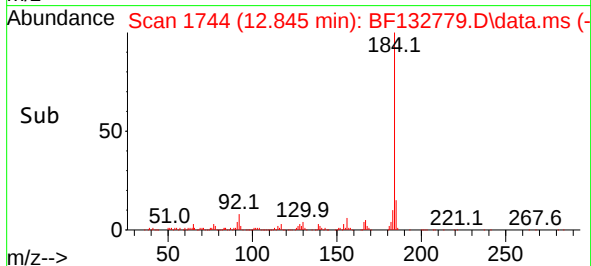
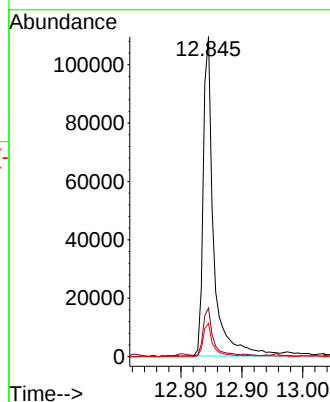
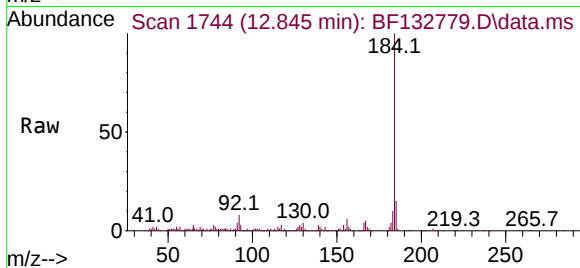
183 10.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#78

Pyrene

Concen: 47.889 ng

RT: 12.957 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

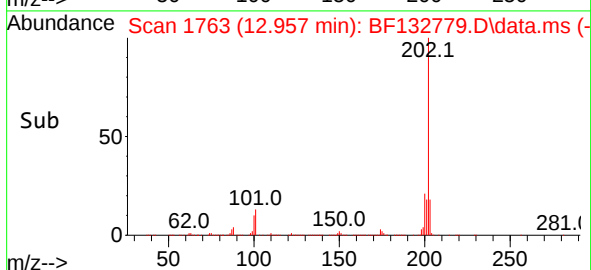
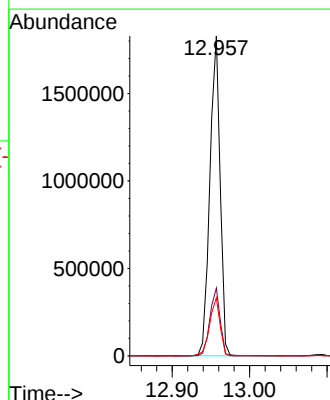
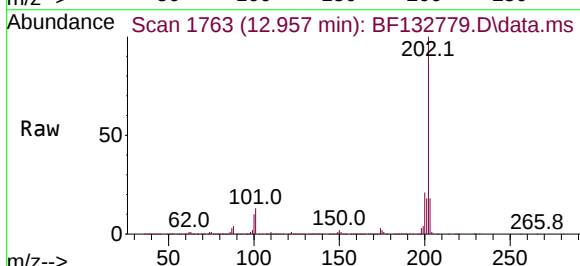
Tgt Ion:202 Resp: 1675971

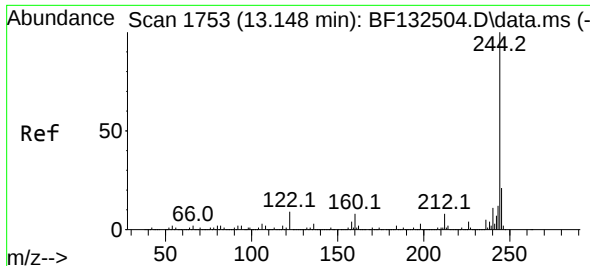
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 18.1 14.6 21.8





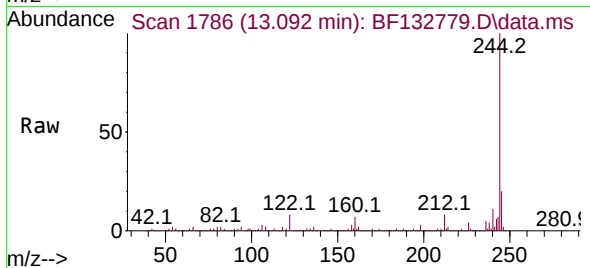
#79
Terphenyl-d14
Concen: 96.549 ng
RT: 13.092 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

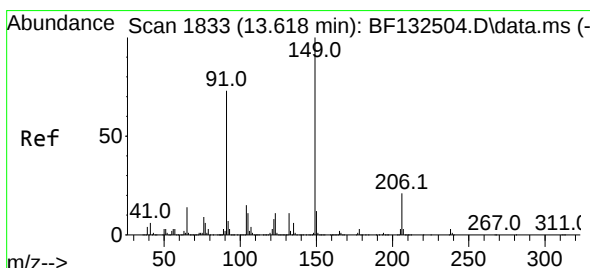
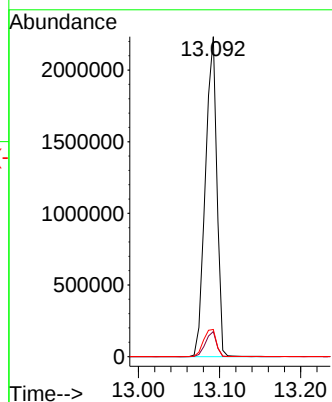
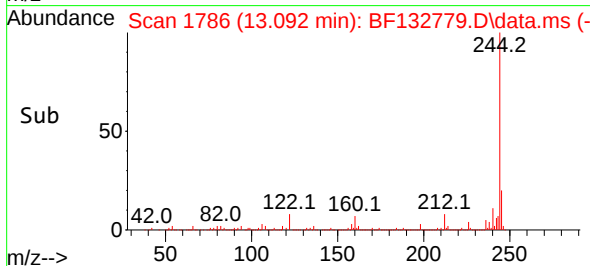


Tgt Ion:244 Resp: 2198116
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 8.5 7.5 11.3

Manual Integrations

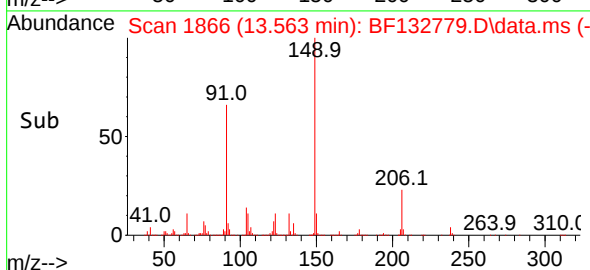
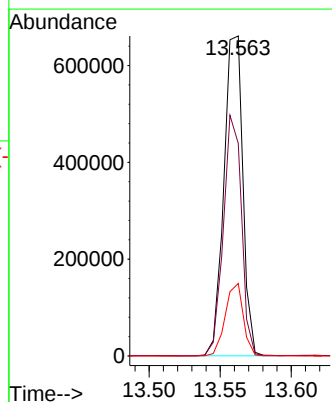
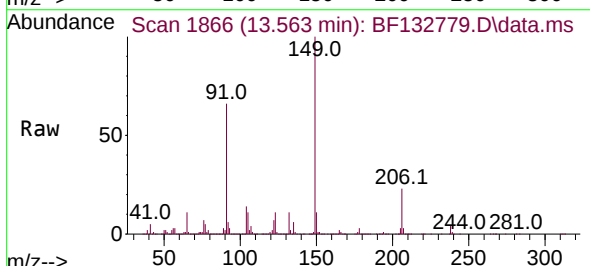
APPROVED

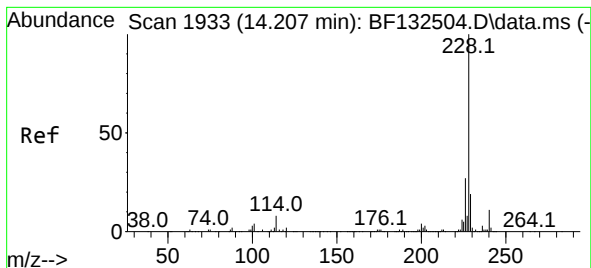
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#80
Butylbenzylphthalate
Concen: 44.695 ng
RT: 13.563 min Scan# 1866
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

Tgt Ion:149 Resp: 617265
Ion Ratio Lower Upper
149 100
91 66.4 58.4 87.6
206 22.6 16.8 25.2





#81

Benzo(a)anthracene

Concen: 41.168 ng

RT: 14.145 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:228 Resp: 1185695

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

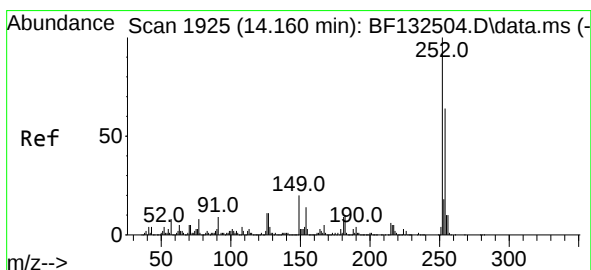
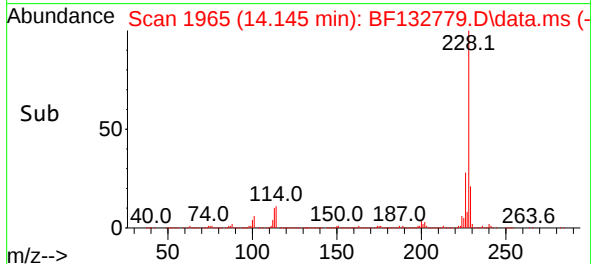
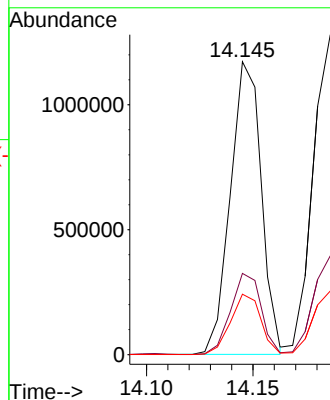
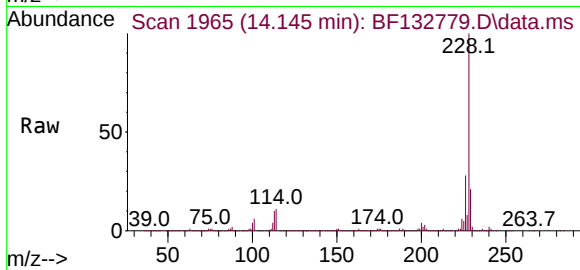
229 20.6 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#82

3,3'-Dichlorobenzidine

Concen: 23.473 ng

RT: 14.104 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

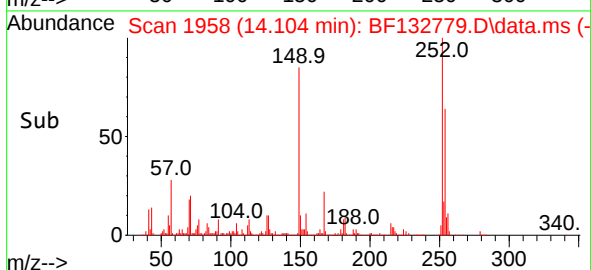
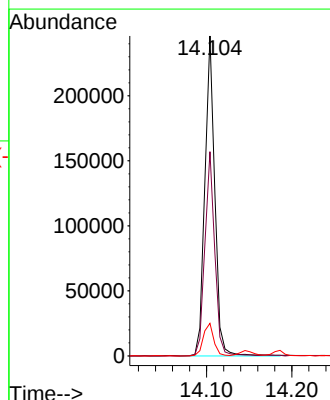
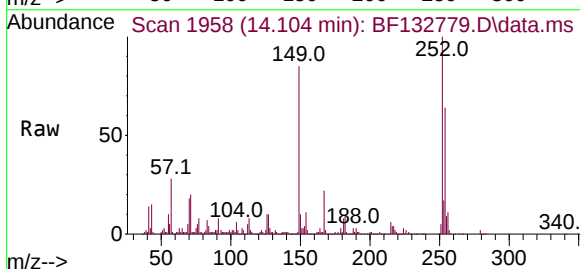
Tgt Ion:252 Resp: 199317

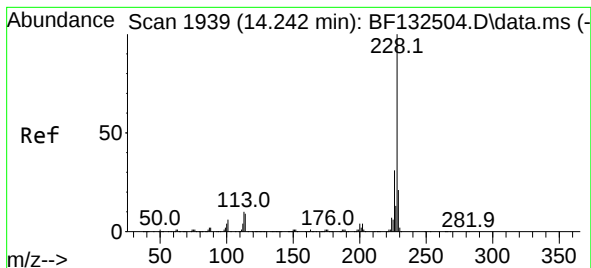
Ion Ratio Lower Upper

252 100

254 63.8 51.4 77.2

126 10.2 8.9 13.3





#83

Chrysene

Concen: 41.787 ng

RT: 14.186 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:228 Resp: 1125436

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

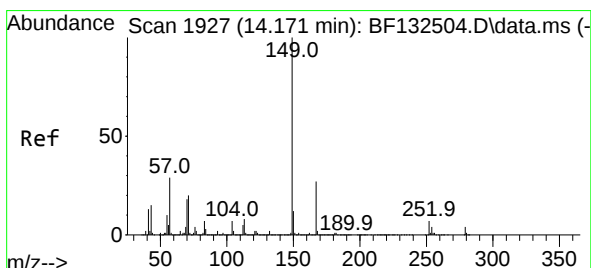
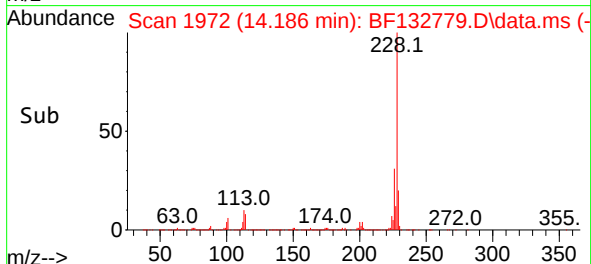
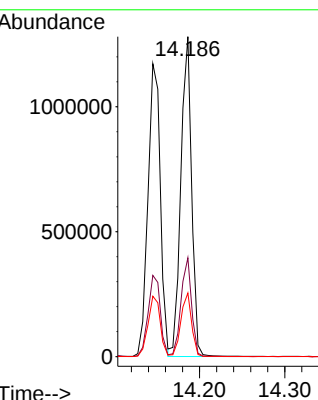
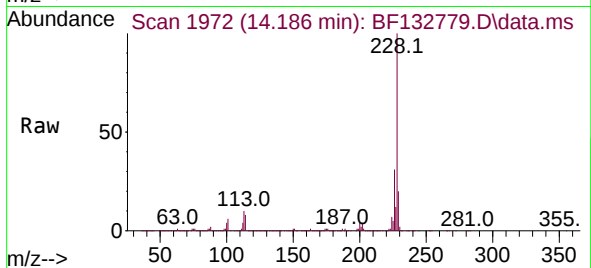
229 19.9 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.923 ng

RT: 14.116 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

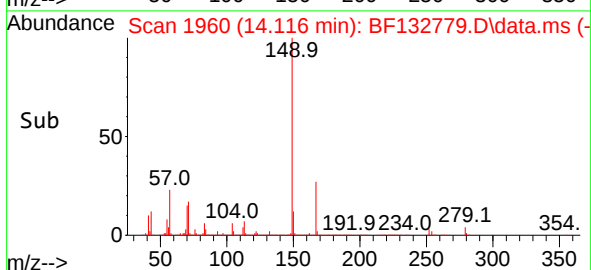
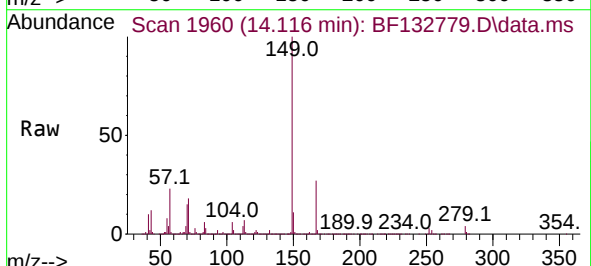
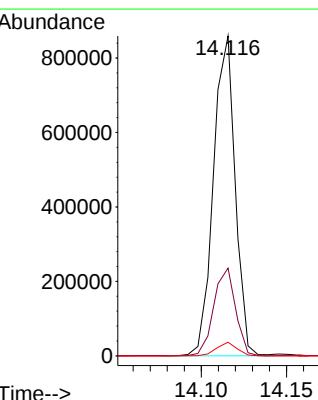
Tgt Ion:149 Resp: 762133

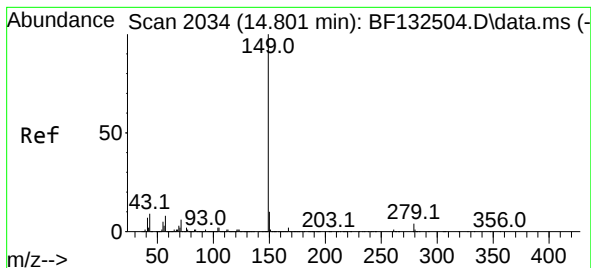
Ion Ratio Lower Upper

149 100

167 27.4 21.8 32.6

279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 46.751 ng

RT: 14.733 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:149 Resp: 115904

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

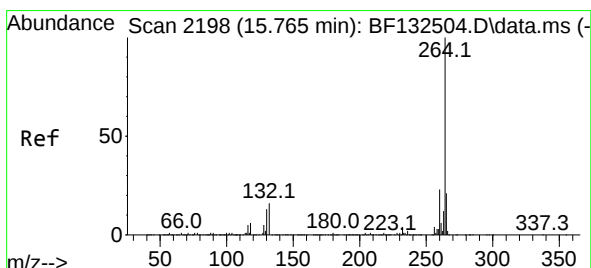
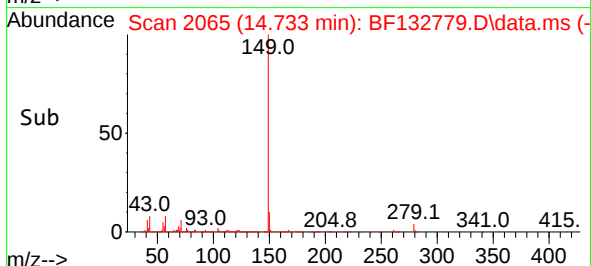
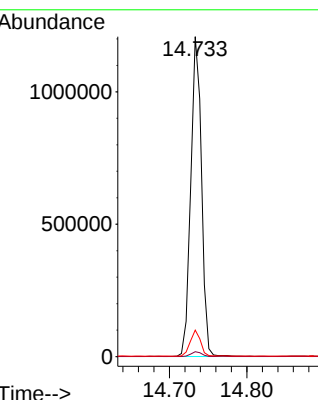
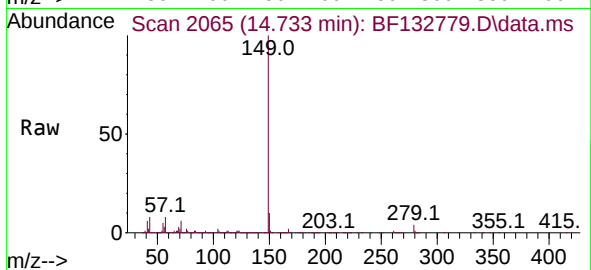
43 7.8 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2227

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

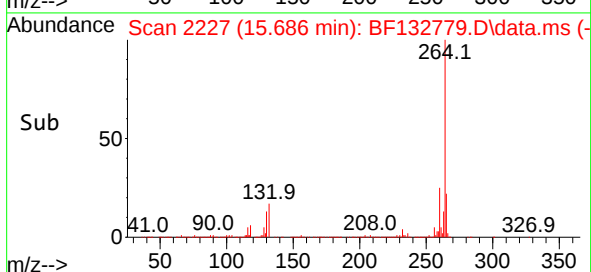
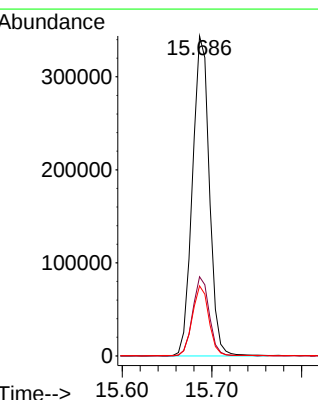
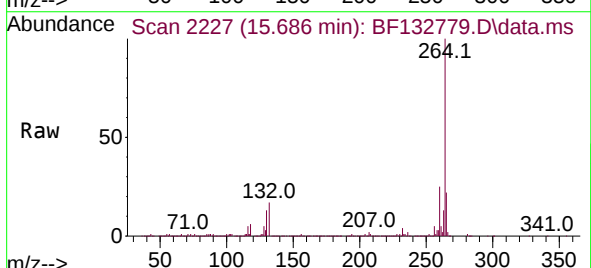
Tgt Ion:264 Resp: 449385

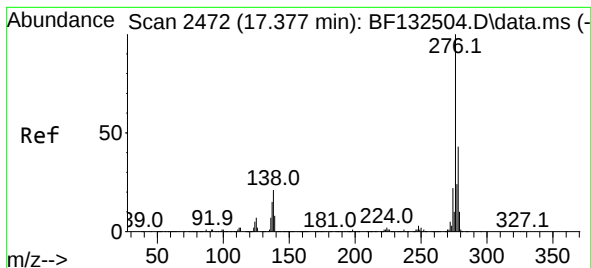
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.122 ng

RT: 17.268 min Scan# 2472

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:276 Resp: 1358090

Ion Ratio Lower Upper

276 100

138 24.0 19.0 28.4

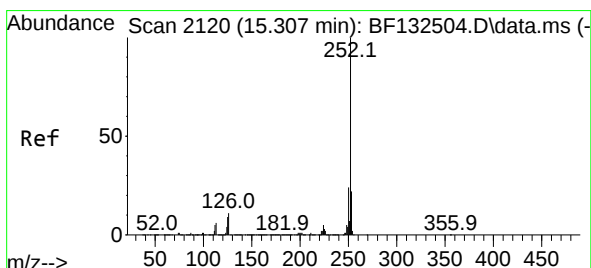
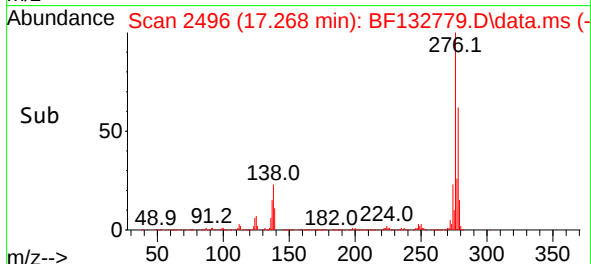
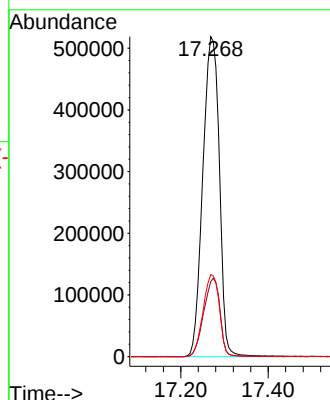
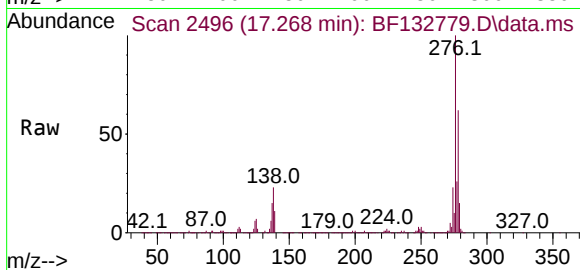
277 25.2 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#88

Benzo(b)fluoranthene

Concen: 42.324 ng

RT: 15.233 min Scan# 2150

Delta R.T. 0.000 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

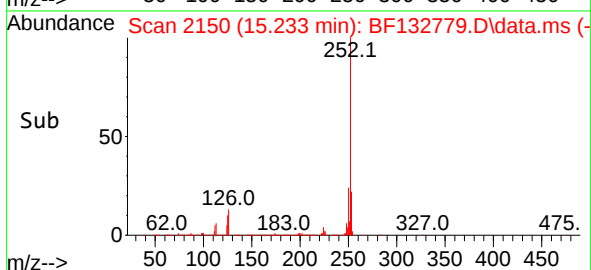
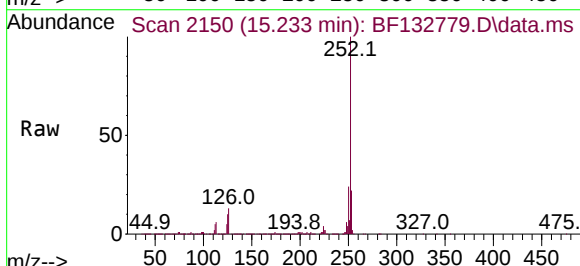
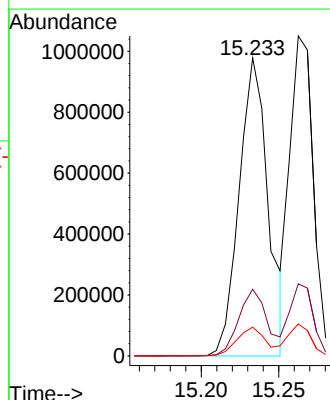
Tgt Ion:252 Resp: 1274606

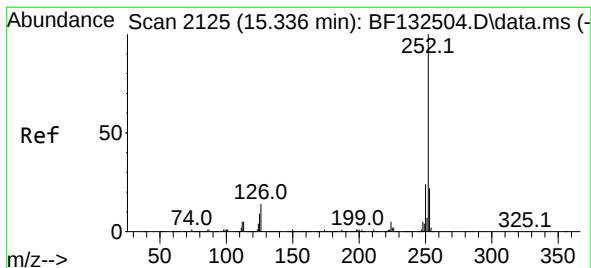
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 37.811 ng

RT: 15.263 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

Instrument :

BNA_F

ClientSampleId :

COMP-SOILMSD

Tgt Ion:252 Resp: 111444

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

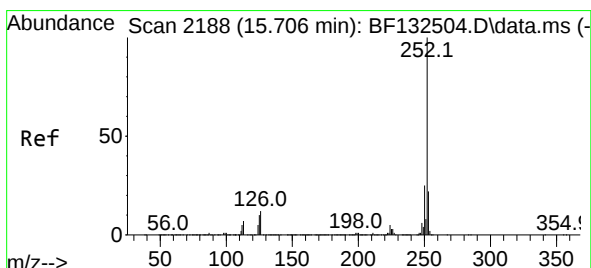
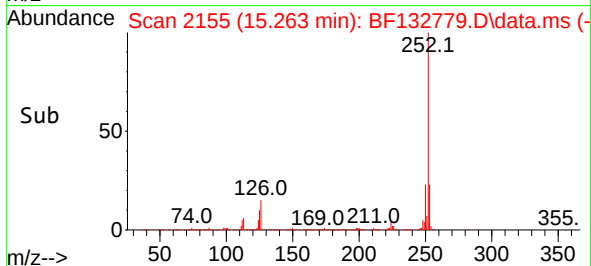
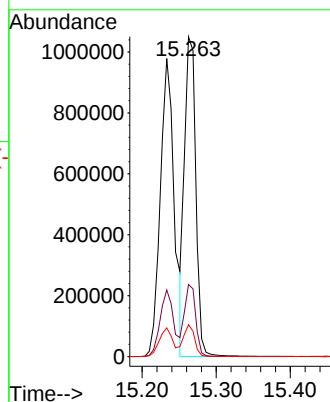
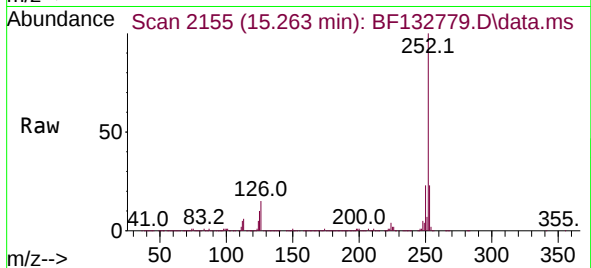
125 10.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#90

Benzo(a)pyrene

Concen: 39.418 ng

RT: 15.621 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF132779.D

Acq: 14 Mar 2023 15:40

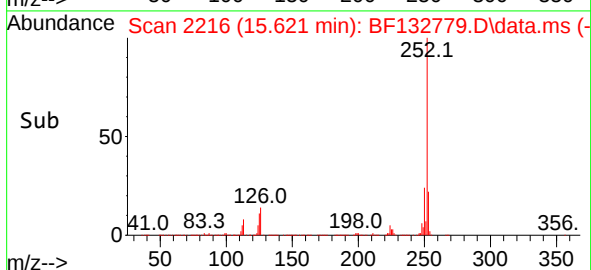
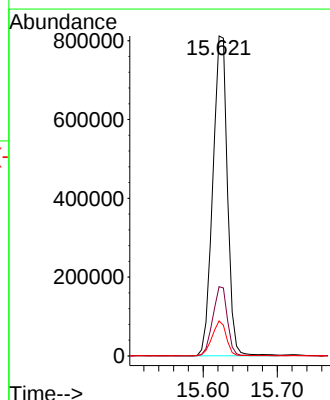
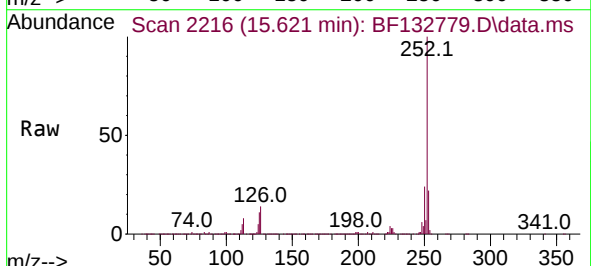
Tgt Ion:252 Resp: 1111015

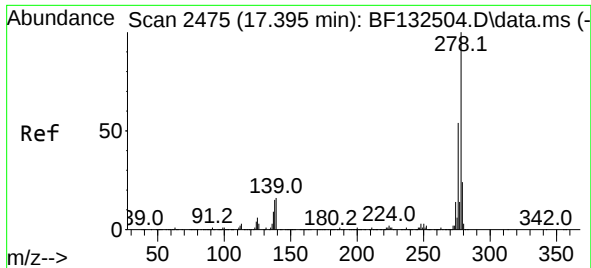
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

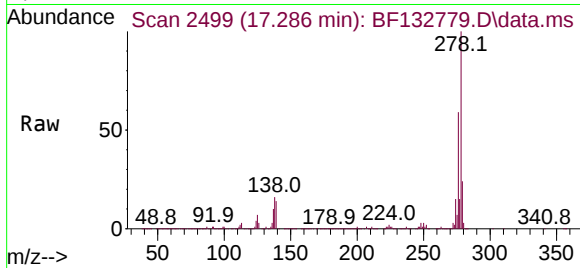
125 10.9 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 46.561 ng
RT: 17.286 min Scan# 2475
Delta R.T. 0.000 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40

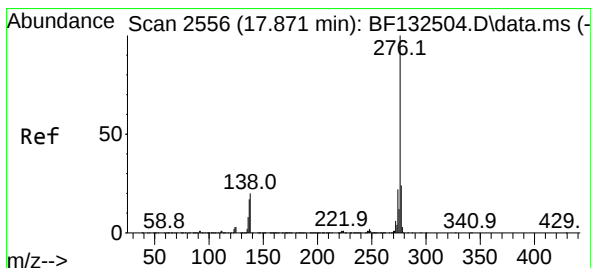
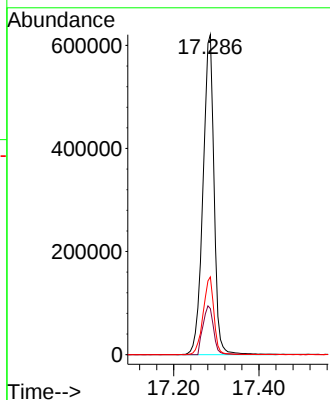
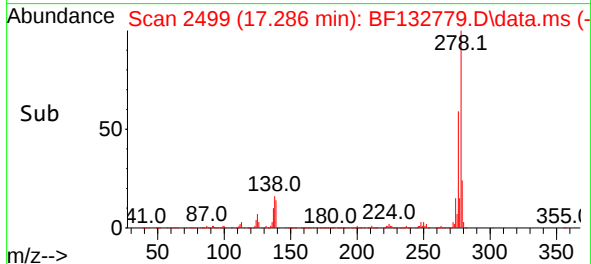
Instrument :
BNA_F
ClientSampleId :
COMP-SOILMSD



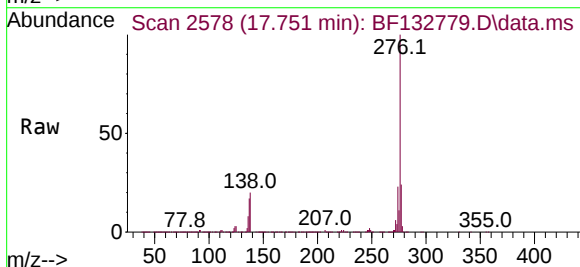
Tgt Ion:278 Resp: 1117064
Ion Ratio Lower Upper
278 100
139 14.4 13.0 19.4
279 24.3 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#92
Benzo(g,h,i)perylene
Concen: 41.019 ng
RT: 17.751 min Scan# 2578
Delta R.T. -0.006 min
Lab File: BF132779.D
Acq: 14 Mar 2023 15:40



Tgt Ion:276 Resp: 1105565
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 20.3 16.2 24.4

