

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133094.D
 Acq On : 27 Apr 2023 12:15
 Operator : CG\JU
 Sample : PB152410BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB152410BS

Quant Time: Apr 28 02:05:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/28/2023
 Supervised By : Jagrut Upadhyay 04/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	197994	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	795223	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	414621	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	743732	20.000	ng	0.00
76) Chrysene-d12	13.898	240	522731	20.000	ng	0.00
86) Perylene-d12	15.310	264	466023	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1610777	122.895	ng	0.02
7) Phenol-d6	6.387	99	1935068	118.947	ng	0.00
23) Nitrobenzene-d5	7.304	82	1201270	81.538	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	530094	127.127	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	2027725	81.819	ng	0.00
79) Terphenyl-d14	12.845	244	2430867	80.203	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	203447	33.465	ng	97
3) Pyridine	3.175	79	535564	33.168	ng	98
4) n-Nitrosodimethylamine	3.134	42	305307	36.504	ng	95
6) Aniline	6.398	93	709472	33.860	ng	# 26
8) 2-Chlorophenol	6.522	128	601979	45.235	ng	97
9) Benzaldehyde	6.281	77	321788	44.626	ng	99
10) Phenol	6.398	94	698472	38.919	ng	# 70
11) bis(2-Chloroethyl)ether	6.475	93	564658	41.927	ng	99
12) 1,3-Dichlorobenzene	6.681	146	624949	44.170	ng	98
13) 1,4-Dichlorobenzene	6.757	146	628556	44.327	ng	98
14) 1,2-Dichlorobenzene	6.910	146	610170	46.674	ng	99
15) Benzyl Alcohol	6.887	79	465116	41.389	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.022	45	918498	39.266	ng	95
17) 2-Methylphenol	7.004	107	505256	41.463	ng	98
18) Hexachloroethane	7.251	117	216616	43.939	ng	98
19) n-Nitroso-di-n-propyla...	7.163	70	383058	37.822	ng	94
20) 3+4-Methylphenols	7.157	107	582417	40.585	ng	# 89
22) Acetophenone	7.151	105	791973	42.993	ng	# 98
24) Nitrobenzene	7.328	77	607510	40.693	ng	95
25) Isophorone	7.563	82	1100750	39.351	ng	99
26) 2-Nitrophenol	7.640	139	334178	46.409	ng	96
27) 2,4-Dimethylphenol	7.687	122	536127	43.421	ng	98
28) bis(2-Chloroethoxy)met...	7.775	93	658007	39.763	ng	100
29) 2,4-Dichlorophenol	7.887	162	476855	42.424	ng	98
30) 1,2,4-Trichlorobenzene	7.969	180	503449	43.234	ng	99
31) Naphthalene	8.045	128	1613131	40.573	ng	99
32) Benzoic acid	7.816	122	383320	50.260	ng	96
33) 4-Chloroaniline	8.092	127	371860	23.149	ng	99
34) Hexachlorobutadiene	8.163	225	272242	42.182	ng	100
35) Caprolactam	8.469	113	175705m	46.532	ng	
36) 4-Chloro-3-methylphenol	8.581	107	516965	42.650	ng	98
37) 2-Methylnaphthalene	8.734	142	1087233	39.998	ng	99
38) 1-Methylnaphthalene	8.834	142	1016155	39.962	ng	100
40) 1,2,4,5-Tetrachloroben...	8.904	216	451187	40.473	ng	100
41) Hexachlorocyclopentadiene	8.892	237	589473	90.667	ng	98
43) 2,4,6-Trichlorophenol	9.016	196	322534	41.835	ng	99

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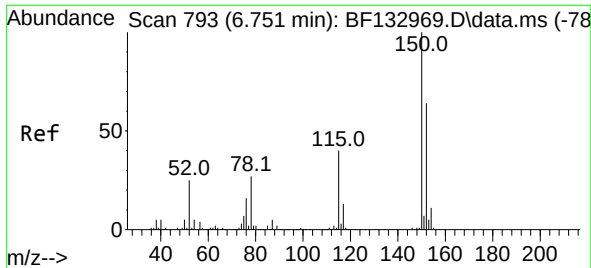
Manual Integrations
 APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.057	196	350065	39.261	ng	97
46) 1,1'-Biphenyl	9.198	154	1337776	40.690	ng	99
47) 2-Chloronaphthalene	9.222	162	997494	41.451	ng	98
48) 2-Nitroaniline	9.322	65	322894	40.600	ng	95
49) Acenaphthylene	9.639	152	1549742	40.304	ng	99
50) Dimethylphthalate	9.504	163	1170570	40.489	ng	99
51) 2,6-Dinitrotoluene	9.563	165	277464	42.641	ng	87
52) Acenaphthene	9.810	154	1156970m	44.926	ng	
53) 3-Nitroaniline	9.728	138	246716	31.888	ng	99
54) 2,4-Dinitrophenol	9.839	184	337658	103.235	ng	92
55) Dibenzofuran	9.981	168	1400804	39.876	ng	98
56) 4-Nitrophenol	9.904	139	539228	89.984	ng	97
57) 2,4-Dinitrotoluene	9.969	165	375972	45.307	ng	# 82
58) Fluorene	10.328	166	1044631	40.589	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.098	232	300324	43.446	ng	97
60) Diethylphthalate	10.204	149	1103604	40.413	ng	99
61) 4-Chlorophenyl-phenyle...	10.316	204	498846	39.774	ng	97
62) 4-Nitroaniline	10.345	138	330849	46.526	ng	97
63) Azobenzene	10.475	77	1095599	37.873	ng	98
65) 4,6-Dinitro-2-methylph...	10.375	198	217275	48.198	ng	91
66) n-Nitrosodiphenylamine	10.439	169	955070	39.589	ng	98
67) 4-Bromophenyl-phenylether	10.804	248	319755	39.641	ng	97
68) Hexachlorobenzene	10.875	284	361815	43.775	ng	96
69) Atrazine	10.969	200	318165	45.770	ng	96
70) Pentachlorophenol	11.069	266	453063	76.966	ng	97
71) Phenanthrene	11.280	178	1627290	40.709	ng	100
72) Anthracene	11.333	178	1653594	40.422	ng	99
73) Carbazole	11.492	167	1553560	42.650	ng	100
74) Di-n-butylphthalate	11.822	149	1754879	42.572	ng	100
75) Fluoranthene	12.469	202	1687026	42.052	ng	98
77) Benzidine	12.592	184	846513	95.763	ng	# 93
78) Pyrene	12.698	202	1752191	39.103	ng	99
80) Butylbenzylphthalate	13.321	149	743649	46.870	ng	98
81) Benzo(a)anthracene	13.886	228	1459280	40.596	ng	99
82) 3,3'-Dichlorobenzidine	13.845	252	413190	41.609	ng	99
83) Chrysene	13.921	228	1436785	39.980	ng	99
84) Bis(2-ethylhexyl)phtha...	13.880	149	851096	42.737	ng	99
85) Di-n-octyl phthalate	14.492	149	1591777	49.020	ng	97
87) Indeno(1,2,3-cd)pyrene	16.698	276	1194653	45.067	ng	99
88) Benzo(b)fluoranthene	14.910	252	1346760	45.425	ng	99
89) Benzo(k)fluoranthene	14.939	252	1269089	43.182	ng	99
90) Benzo(a)pyrene	15.257	252	1080979	40.058	ng	99
91) Dibenzo(a,h)anthracene	16.715	278	994816	44.995	ng	98
92) Benzo(g,h,i)perylene	17.115	276	999480	45.790	ng	98

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



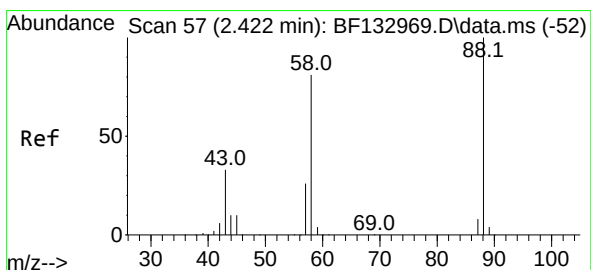
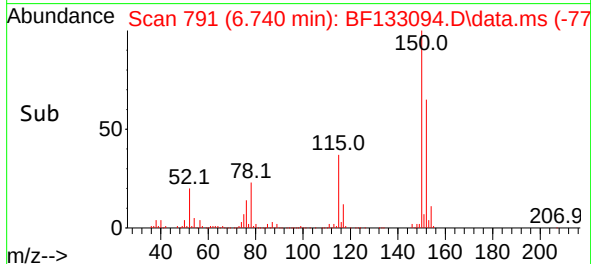
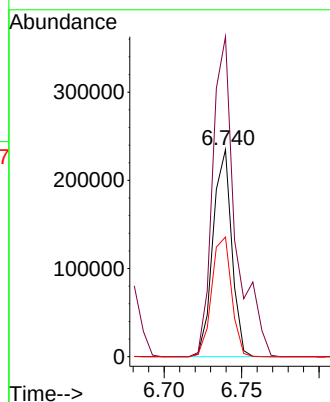
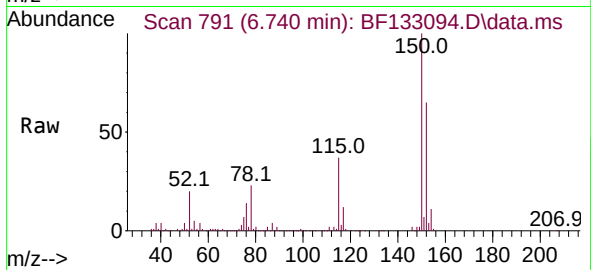
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
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ClientSampleId :
PB152410BS

Tgt Ion:152 Resp: 197994
Ion Ratio Lower Upper
152 100
150 154.5 124.8 187.2
115 57.8 49.9 74.9

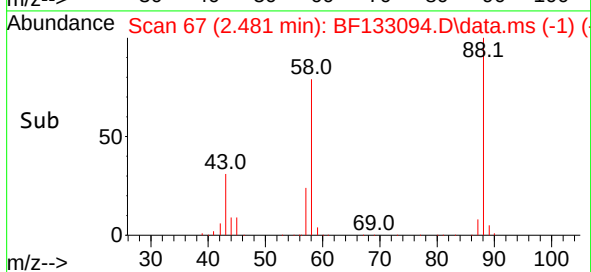
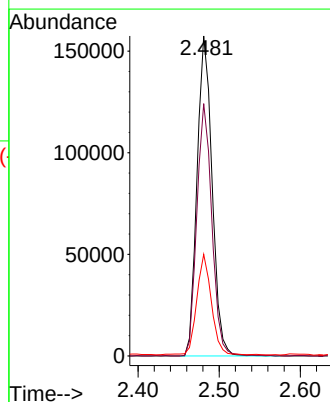
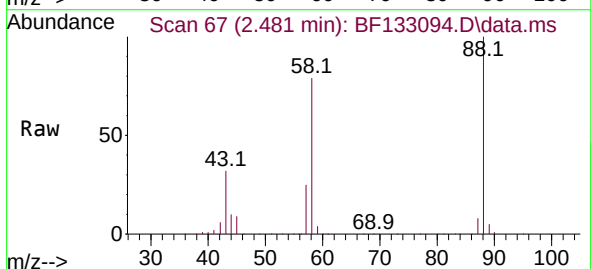
Manual Integrations
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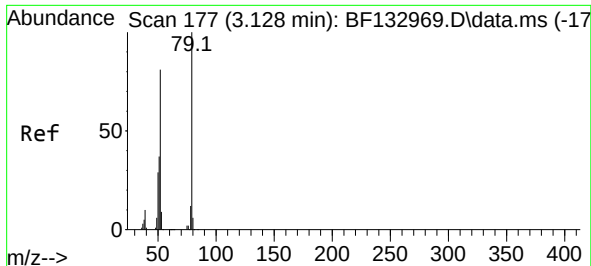
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#2
1,4-Dioxane
Concen: 33.465 ng
RT: 2.481 min Scan# 67
Delta R.T. 0.088 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

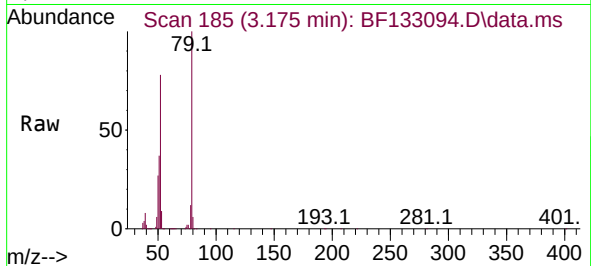
Tgt Ion: 88 Resp: 203447
Ion Ratio Lower Upper
88 100
58 78.9 64.7 97.1
43 30.5 26.2 39.2





#3
Pyridine
Concen: 33.168 ng
RT: 3.175 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

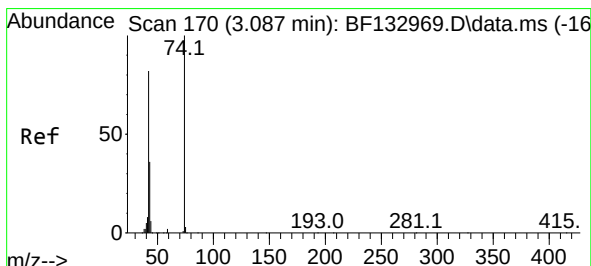
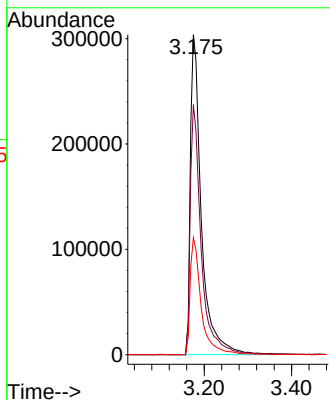
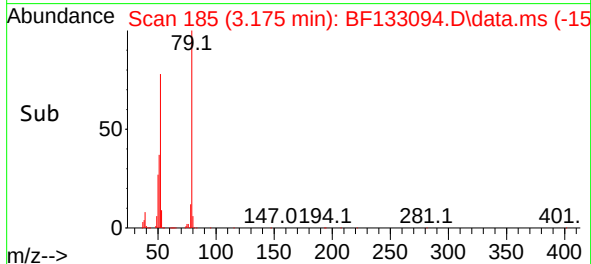
Instrument :
BNA_F
ClientSampleId :
PB152410BS



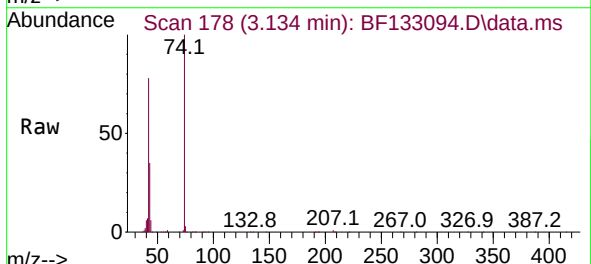
Tgt Ion: 79 Resp: 535564
Ion Ratio Lower Upper
79 100
52 78.2 64.6 96.8
51 36.6 30.0 45.0

Manual Integrations
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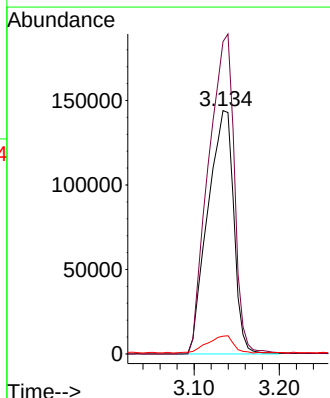
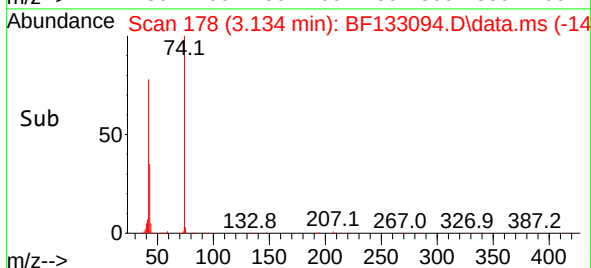
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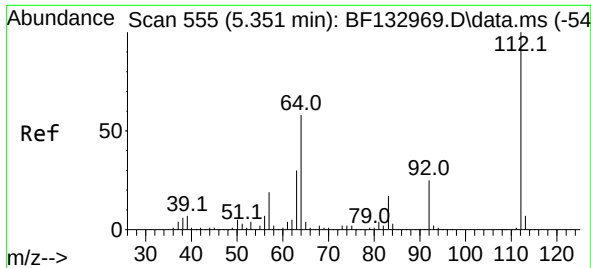


#4
n-Nitrosodimethylamine
Concen: 36.504 ng
RT: 3.134 min Scan# 178
Delta R.T. 0.082 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion: 42 Resp: 305307
Ion Ratio Lower Upper
42 100
74 128.3 98.0 147.0
44 7.3 5.8 8.8





#5
2-Fluorophenol
Concen: 122.895 ng
RT: 5.363 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

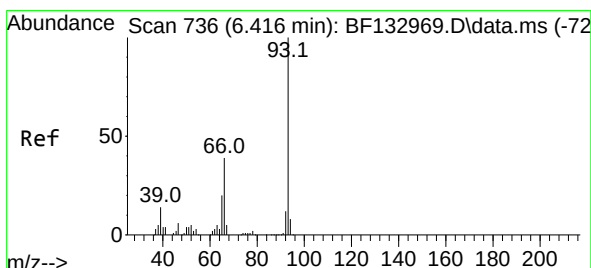
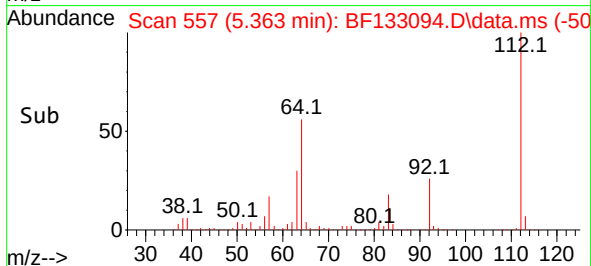
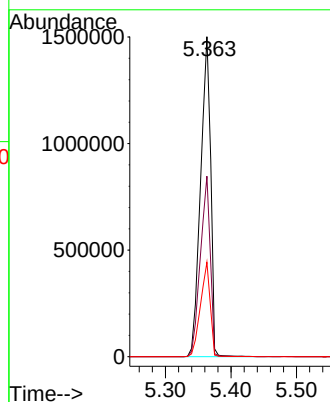
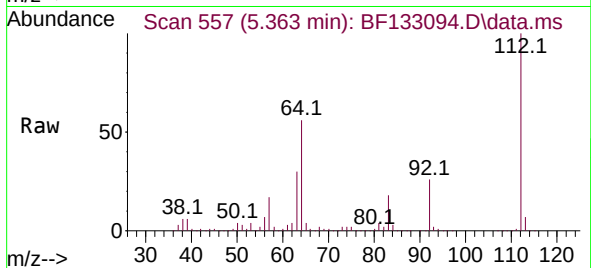
PB152410BS

Tgt Ion:112 Resp: 161077
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 29.5 23.8 35.8

Manual Integrations

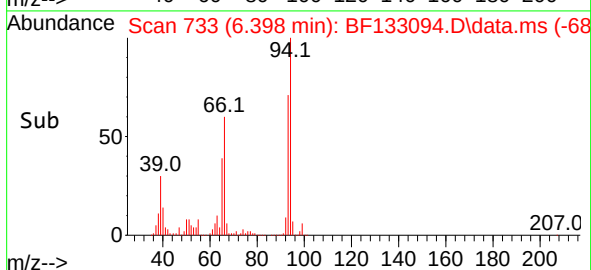
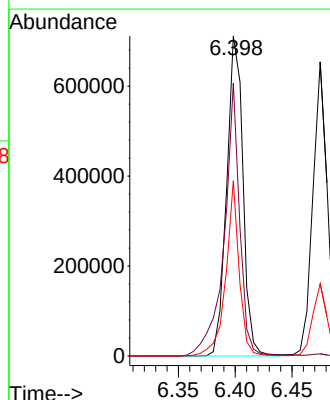
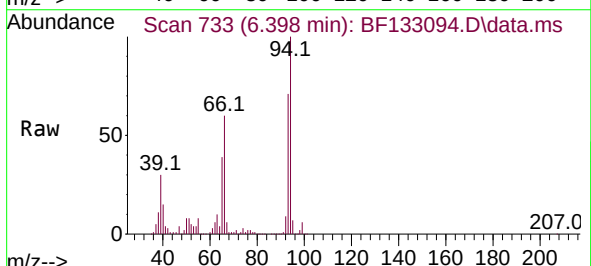
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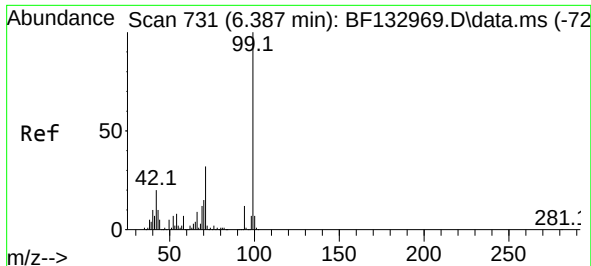
Reviewed By :Christian Giraldo 04/28/2023
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#6
Aniline
Concen: 33.860 ng
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

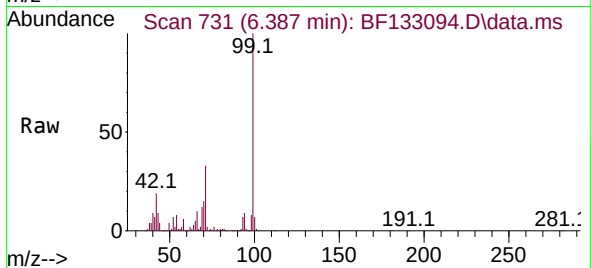
Tgt Ion: 93 Resp: 709472
Ion Ratio Lower Upper
93 100
66 85.3 31.5 47.3#
65 54.8 16.4 24.6#





#7
Phenol-d6
Concen: 118.947 ng
RT: 6.387 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

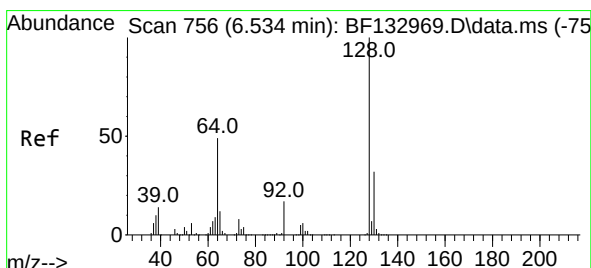
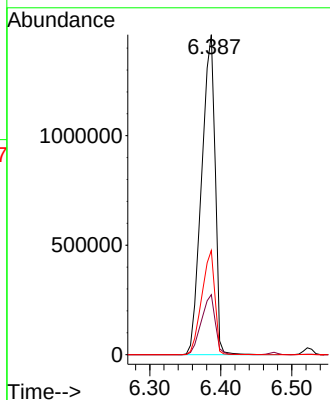
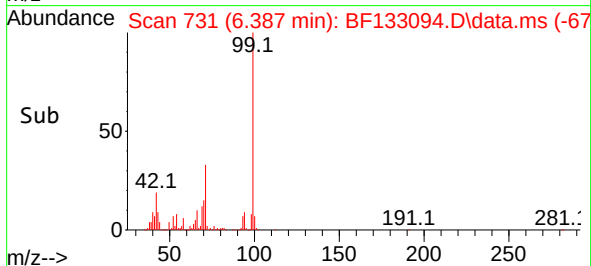
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Tgt Ion: 99 Resp: 1935068
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 32.6 25.6 38.4

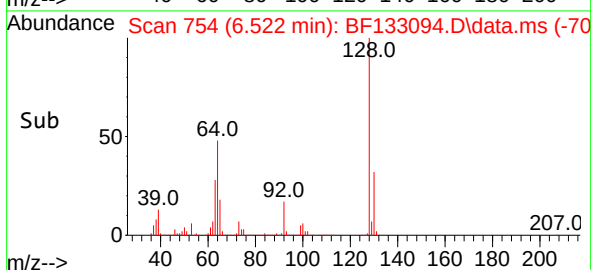
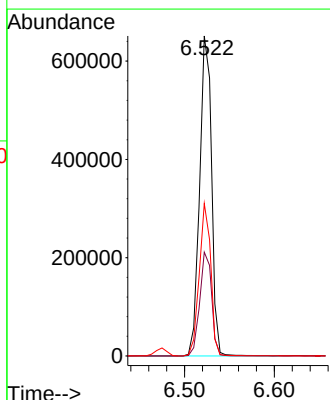
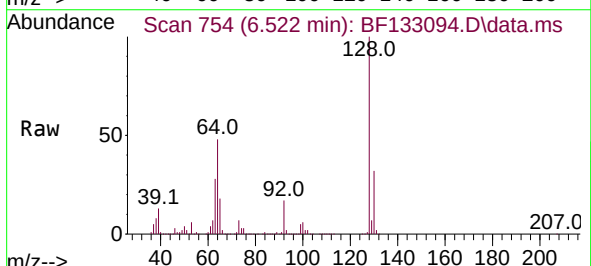
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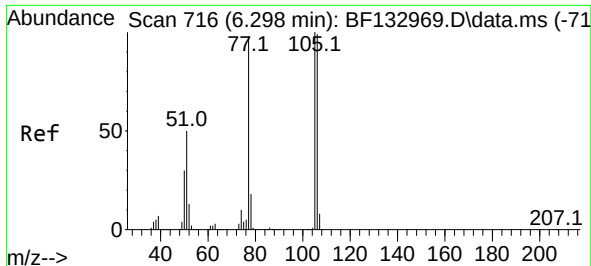
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#8
2-Chlorophenol
Concen: 45.235 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

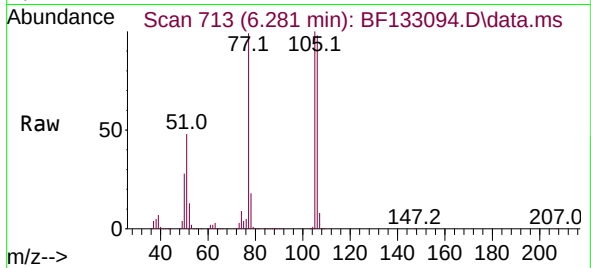
Tgt Ion:128 Resp: 601979
Ion Ratio Lower Upper
128 100
130 32.4 12.2 52.2
64 47.6 30.3 70.3





#9
Benzaldehyde
Concen: 44.626 ng
RT: 6.281 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

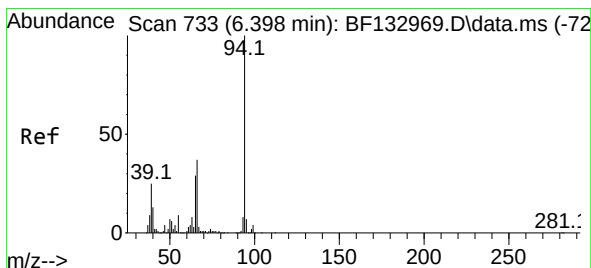
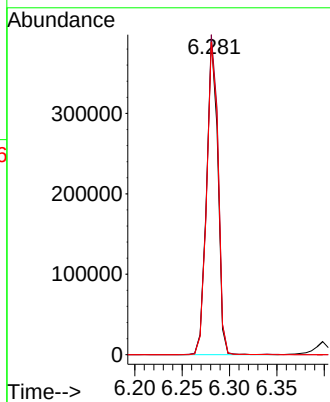
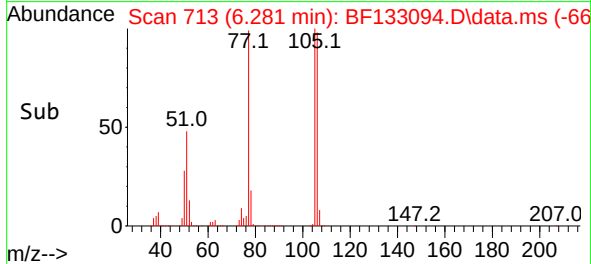
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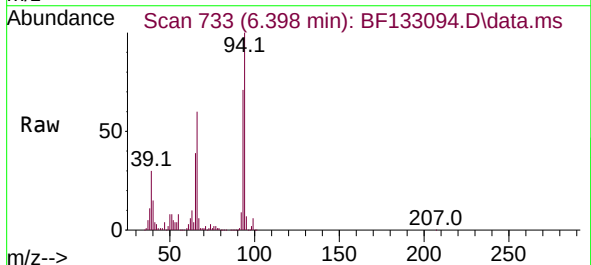
Tgt Ion: 77 Resp: 321788
Ion Ratio Lower Upper
77 100
105 101.4 82.3 122.3
106 99.0 80.8 120.8

Manual Integrations
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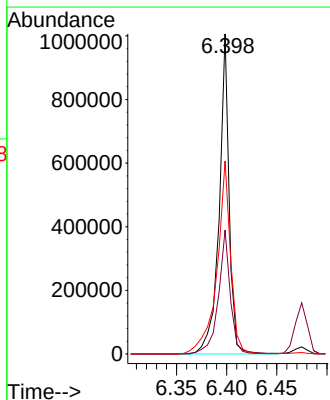
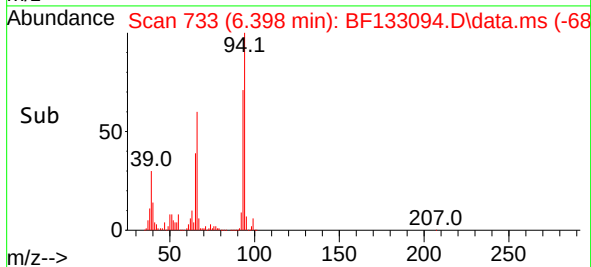
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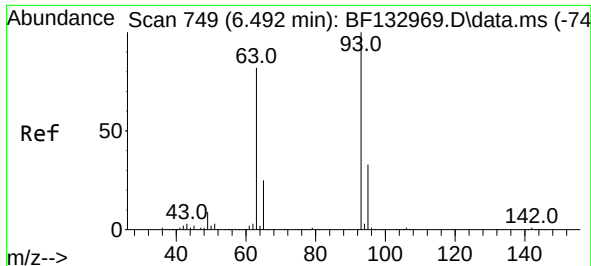


#10
Phenol
Concen: 38.919 ng
RT: 6.398 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion: 94 Resp: 698472
Ion Ratio Lower Upper
94 100
65 38.7 8.6 48.6
66 60.3 17.3 57.3





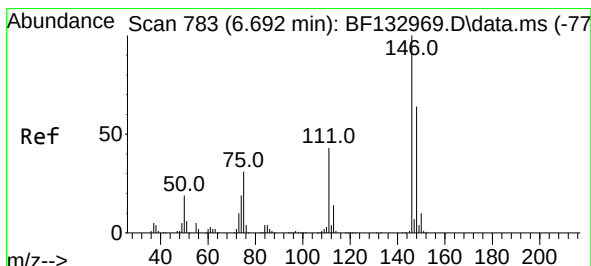
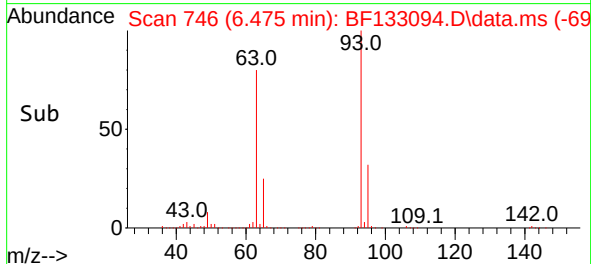
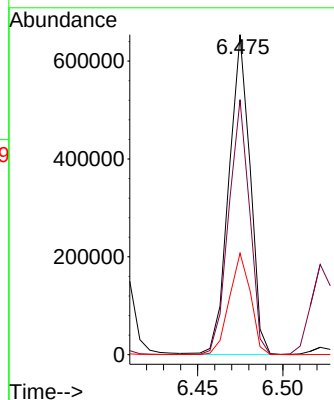
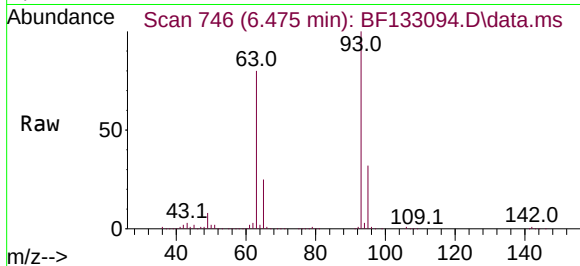
#11
bis(2-Chloroethyl)ether
Concen: 41.927 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion: 93 Resp: 564658
Ion Ratio Lower Upper
93 100
63 79.7 60.6 100.6
95 31.7 12.9 52.9

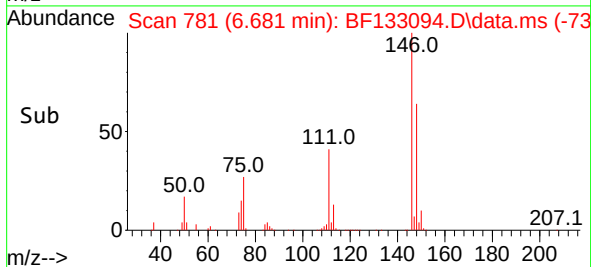
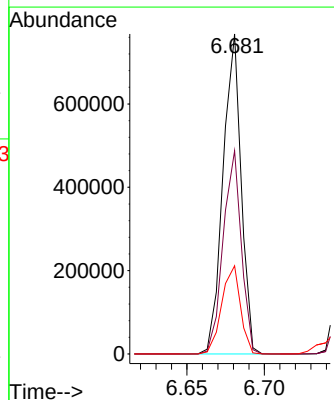
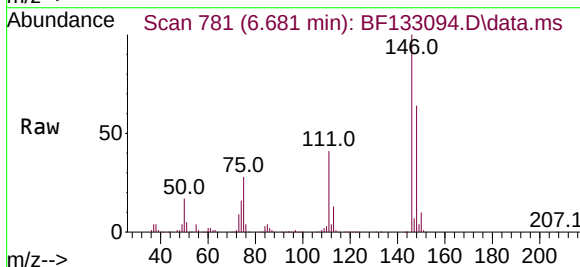
Manual Integrations
APPROVED

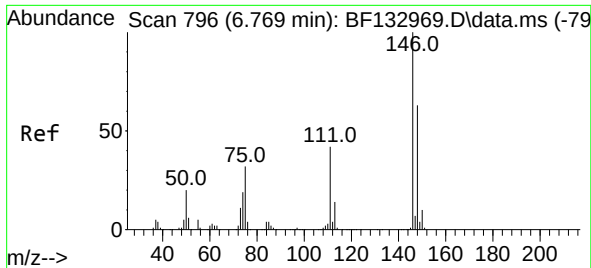
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#12
1,3-Dichlorobenzene
Concen: 44.170 ng
RT: 6.681 min Scan# 781
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:146 Resp: 624949
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 27.6 24.8 37.2





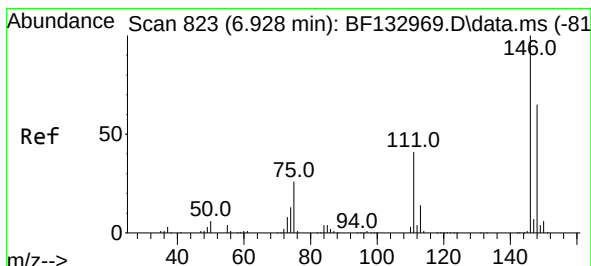
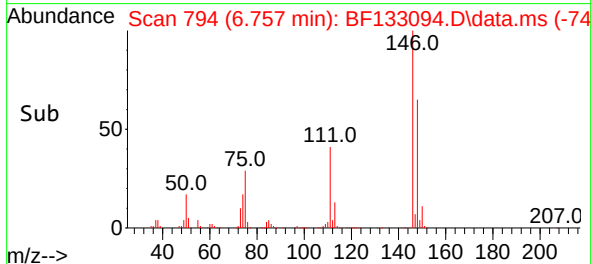
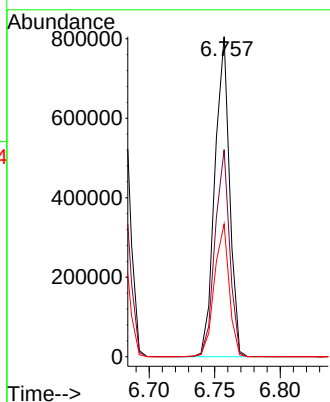
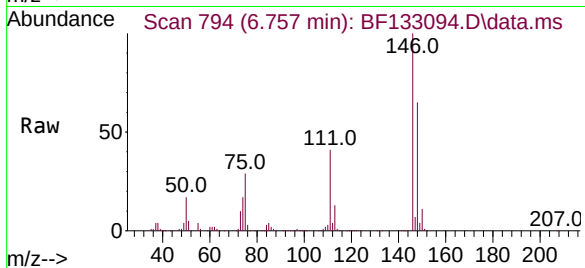
#13
1,4-Dichlorobenzene
Concen: 44.327 ng
RT: 6.757 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion:146 Resp: 628550
Ion Ratio Lower Upper
146 100
148 64.7 50.3 75.5
111 41.5 33.8 50.6

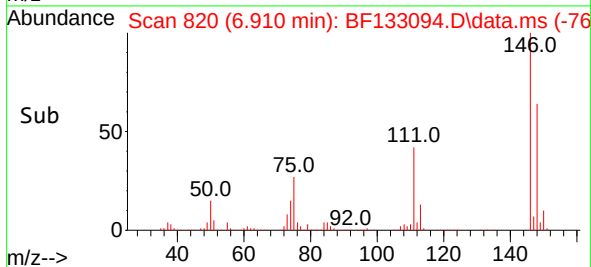
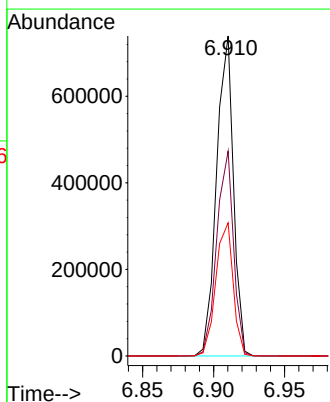
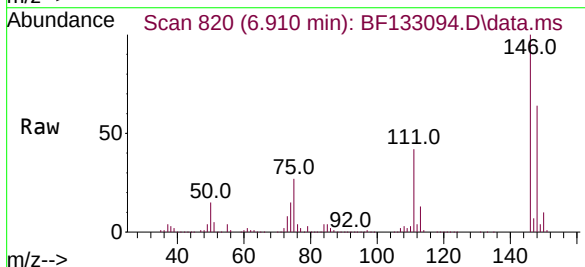
Manual Integrations
APPROVED

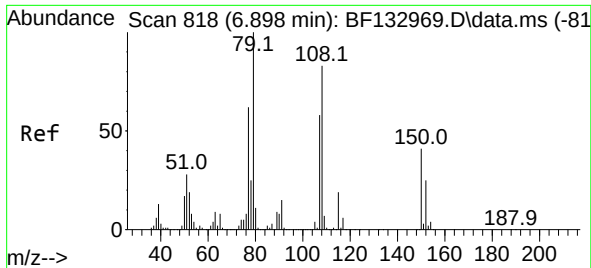
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#14
1,2-Dichlorobenzene
Concen: 46.674 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:146 Resp: 610170
Ion Ratio Lower Upper
146 100
148 64.0 52.2 78.2
111 41.6 32.8 49.2





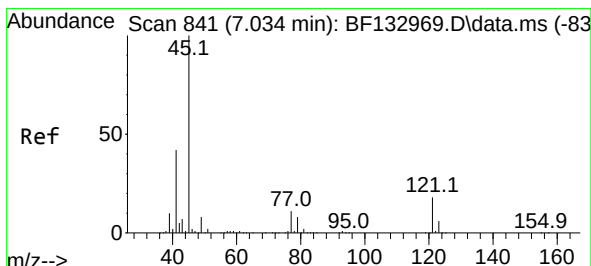
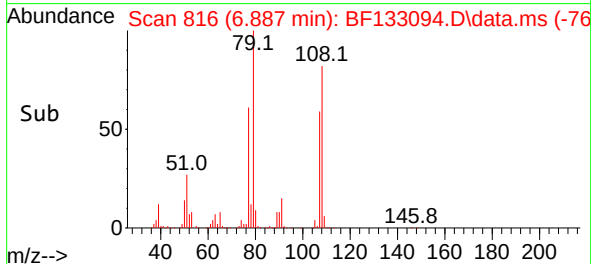
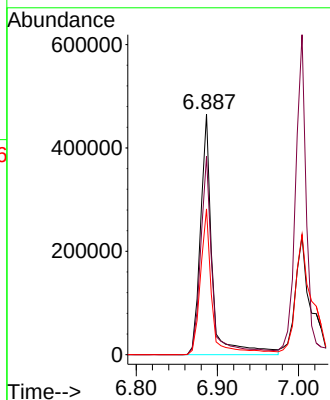
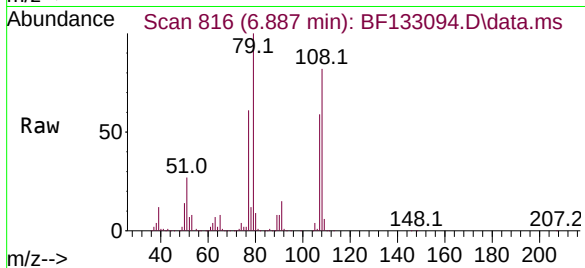
#15
Benzyl Alcohol
Concen: 41.389 ng
RT: 6.887 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion: 79 Resp: 465110
Ion Ratio Lower Upper
79 100
108 82.4 66.6 99.8
77 60.6 49.2 73.8

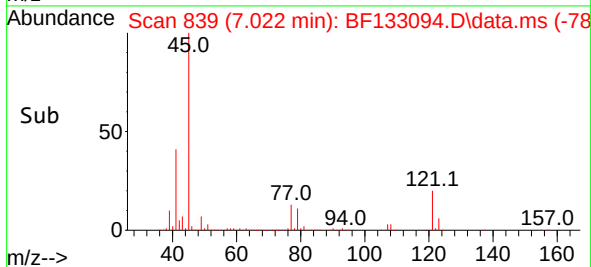
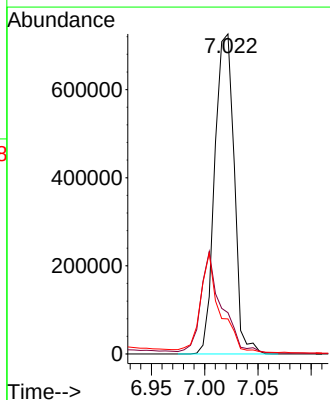
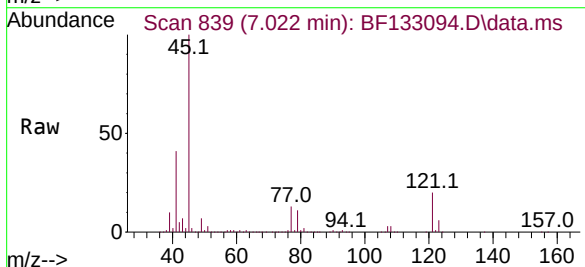
Manual Integrations
APPROVED

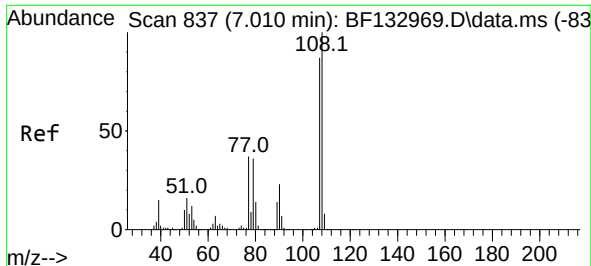
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.266 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion: 45 Resp: 918498
Ion Ratio Lower Upper
45 100
77 12.9 0.0 31.5
79 10.9 0.0 28.7





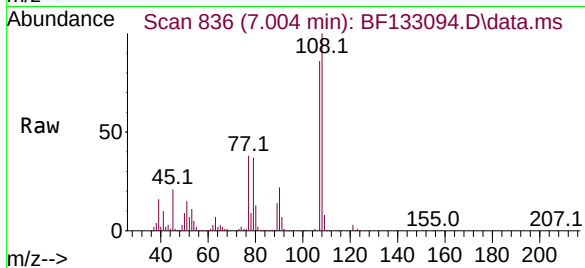
#17
2-Methylphenol
Concen: 41.463 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

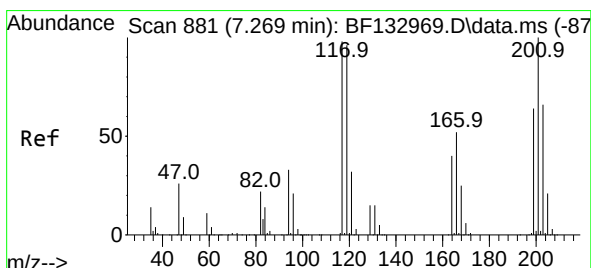
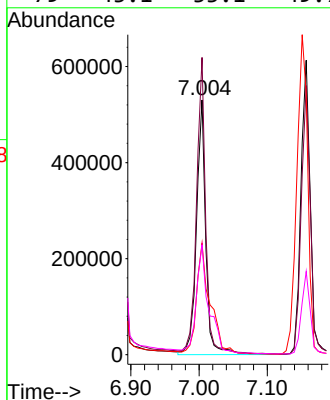
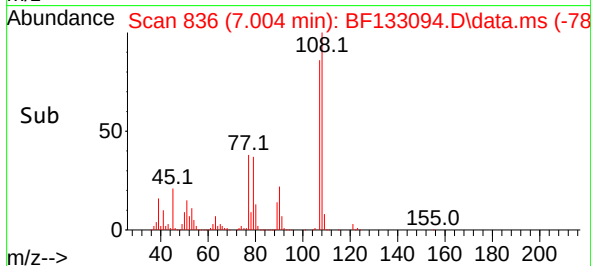


Tgt Ion:107 Resp: 505250
Ion Ratio Lower Upper
107 100
108 116.8 92.4 138.6
77 43.8 33.8 50.8
79 43.1 33.1 49.7

Manual Integrations

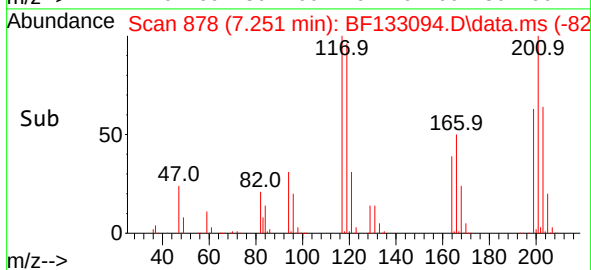
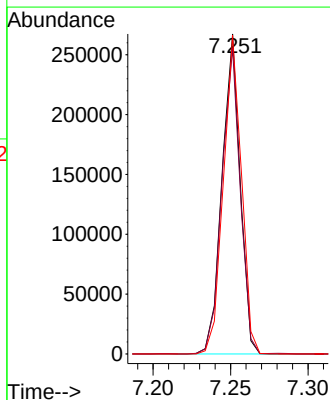
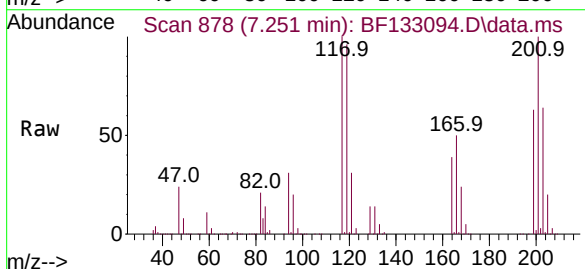
APPROVED

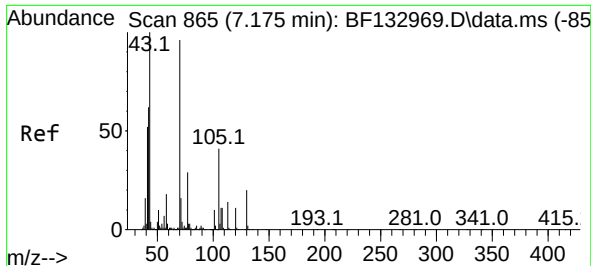
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#18
Hexachloroethane
Concen: 43.939 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:117 Resp: 216616
Ion Ratio Lower Upper
117 100
119 95.6 78.2 117.4
201 99.6 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 37.822 ng
RT: 7.163 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

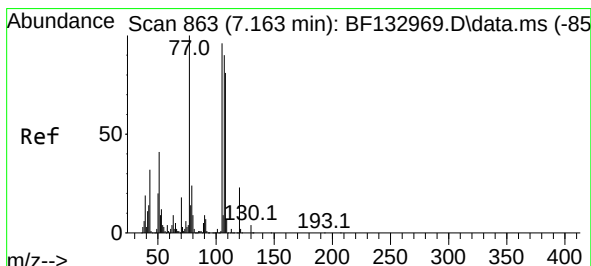
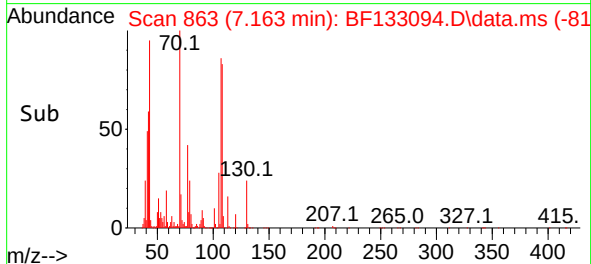
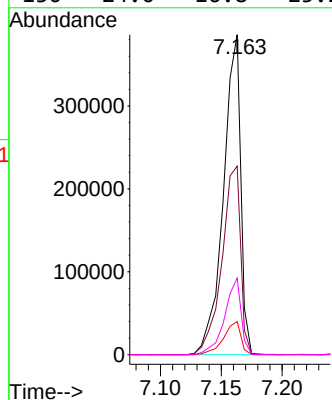
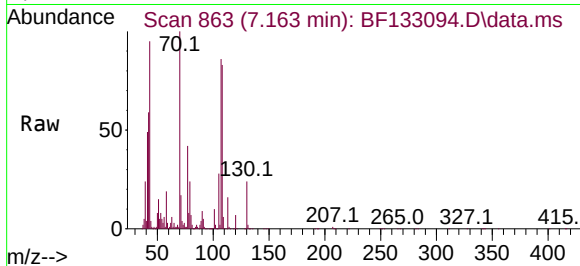
ClientSampleId :

PB152410BS

Tgt Ion: 70 Resp: 383058
Ion Ratio Lower Upper
70 100
42 58.9 51.8 77.6
101 10.4 8.0 12.0
130 24.0 16.8 25.2

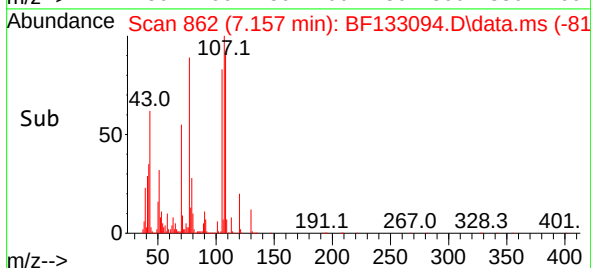
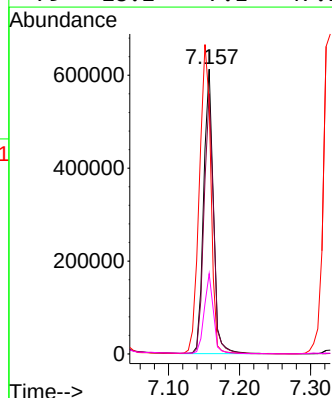
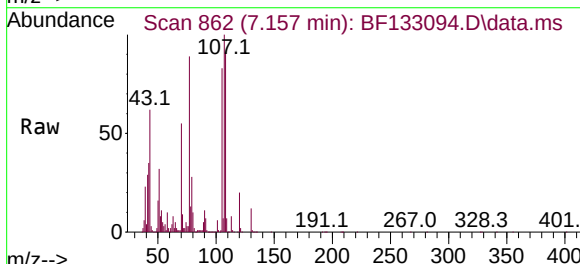
Manual Integrations
APPROVED

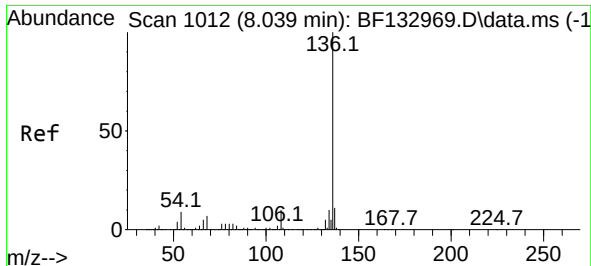
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#20
3+4-Methylphenols
Concen: 40.585 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:107 Resp: 582417
Ion Ratio Lower Upper
107 100
108 91.4 70.5 110.5
77 88.6 91.7 131.7#
79 28.2 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

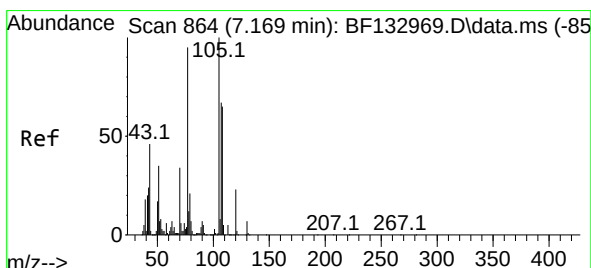
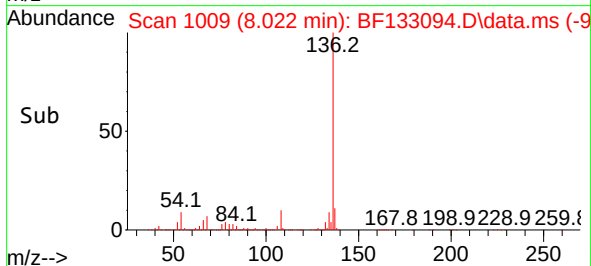
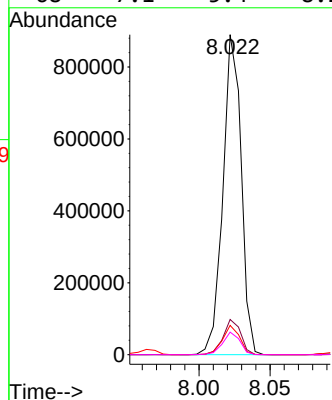
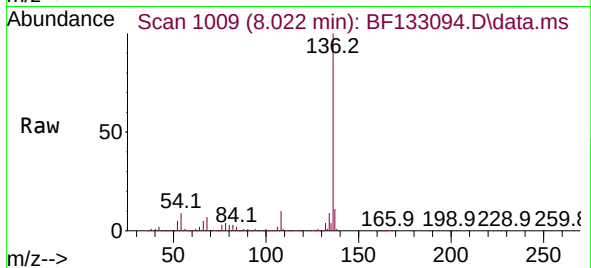
PB152410BS

Tgt Ion:136 Resp: 795223
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.0 10.4
68 7.1 5.4 8.2

Manual Integrations

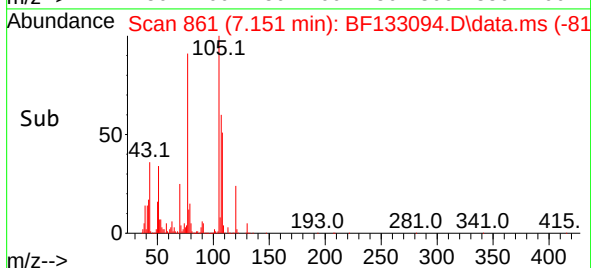
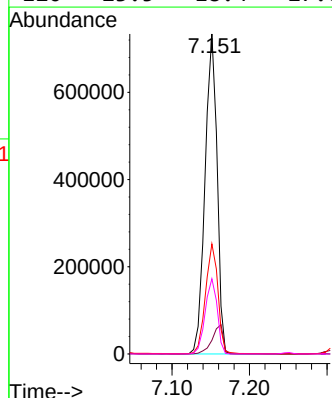
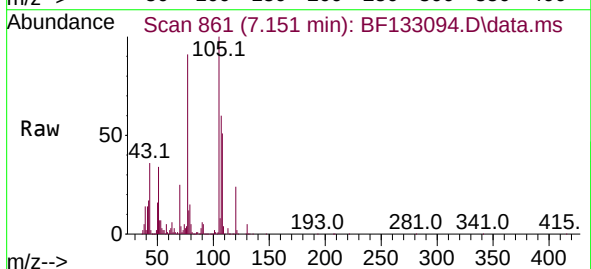
APPROVED

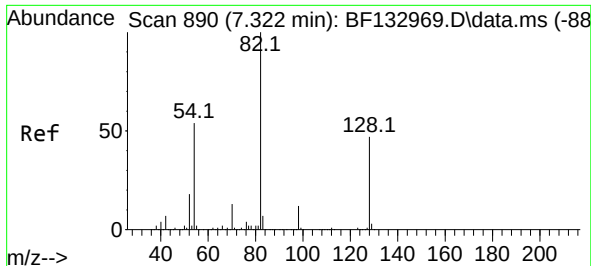
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#22
Acetophenone
Concen: 42.993 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:105 Resp: 791973
Ion Ratio Lower Upper
105 100
71 4.3 4.6 7.0#
51 34.4 28.2 42.2
120 23.5 18.4 27.6





#23

Nitrobenzene-d5

Concen: 81.538 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion: 82 Resp: 1201270

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

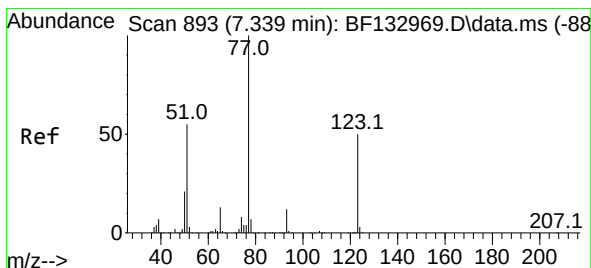
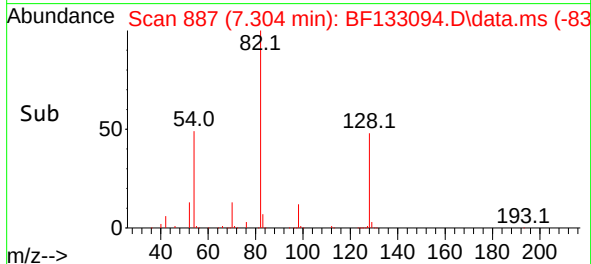
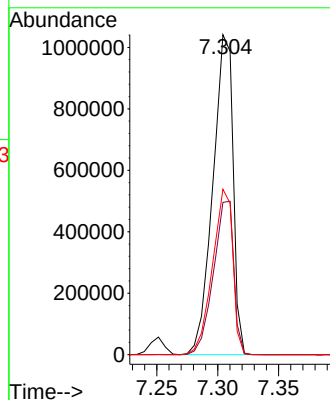
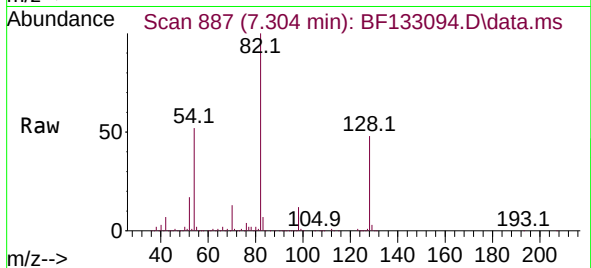
54 51.7 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#24

Nitrobenzene

Concen: 40.693 ng

RT: 7.328 min Scan# 891

Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

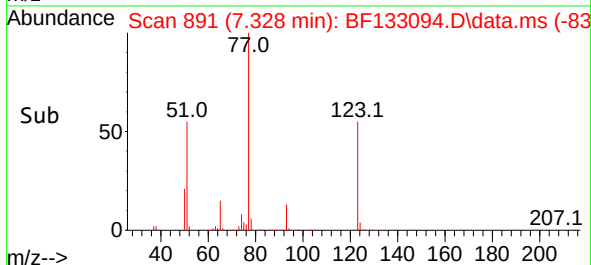
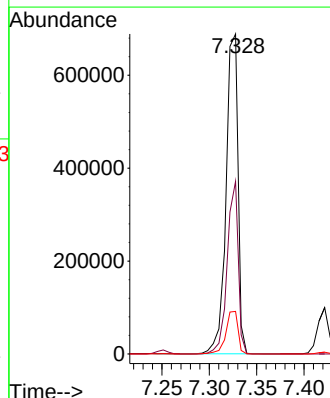
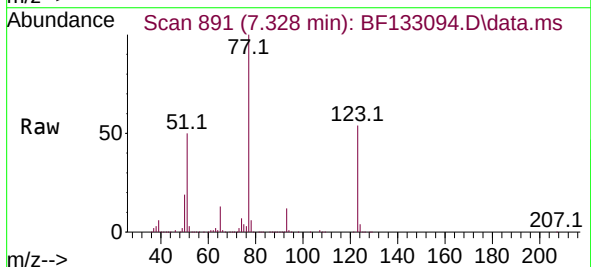
Tgt Ion: 77 Resp: 607510

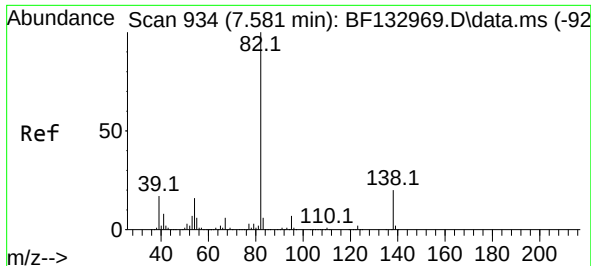
Ion Ratio Lower Upper

77 100

123 53.9 39.9 59.9

65 13.3 10.7 16.1





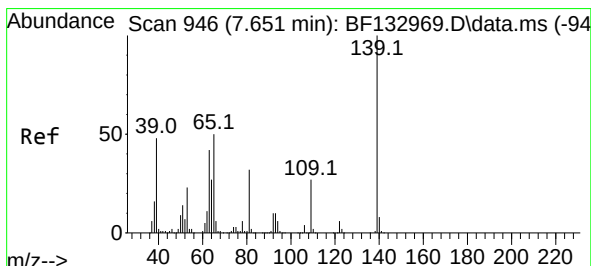
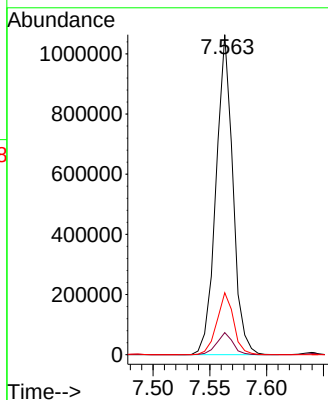
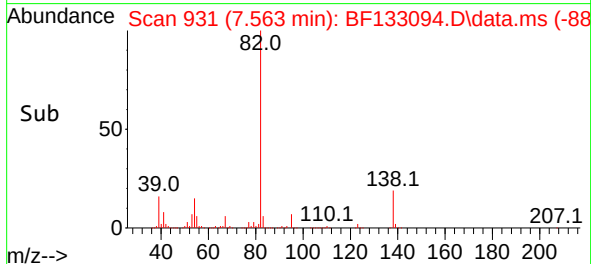
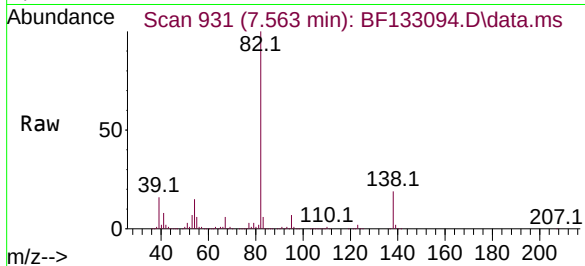
#25
Isophorone
Concen: 39.351 ng
RT: 7.563 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion: 82 Resp: 1100750
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 19.4 16.0 24.0

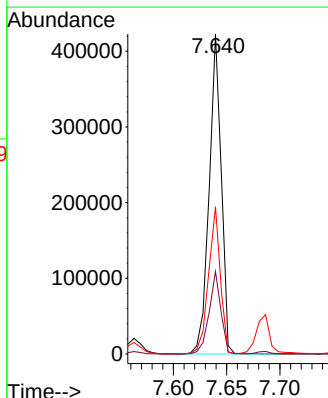
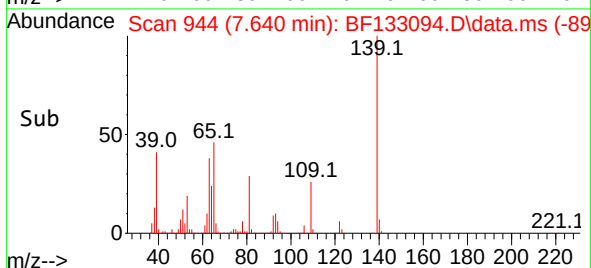
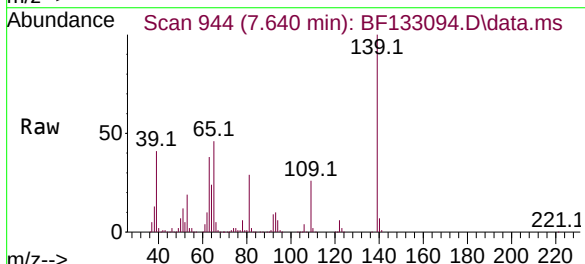
Manual Integrations
APPROVED

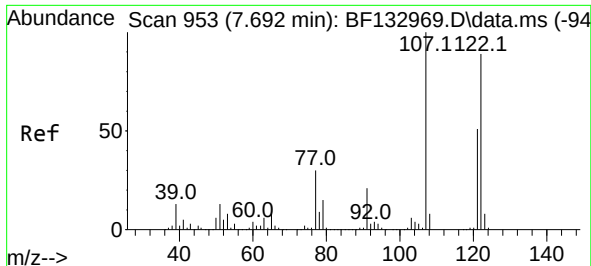
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#26
2-Nitrophenol
Concen: 46.409 ng
RT: 7.640 min Scan# 944
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:139 Resp: 334178
Ion Ratio Lower Upper
139 100
109 25.8 21.6 32.4
65 46.0 39.8 59.6





#27
2,4-Dimethylphenol
Concen: 43.421 ng
RT: 7.687 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

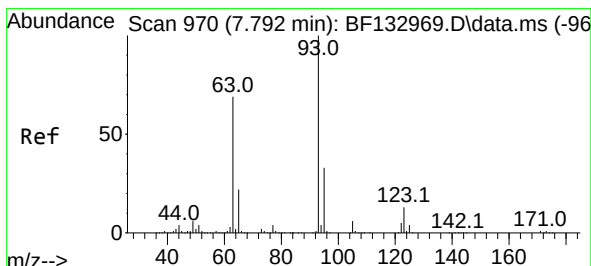
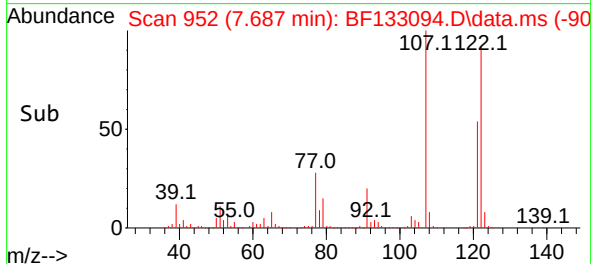
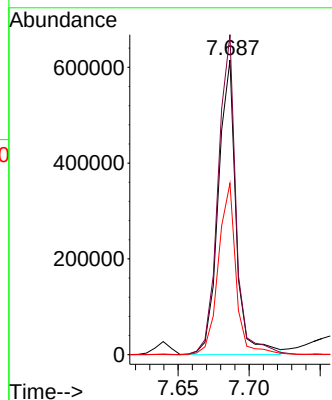
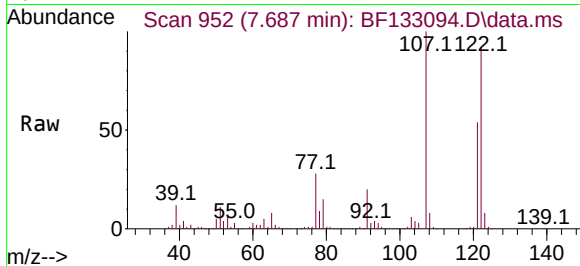
ClientSampleId :

PB152410BS

Tgt Ion:122 Resp: 53612
Ion Ratio Lower Upper
122 100
107 108.6 89.7 134.5
121 58.2 46.0 69.0

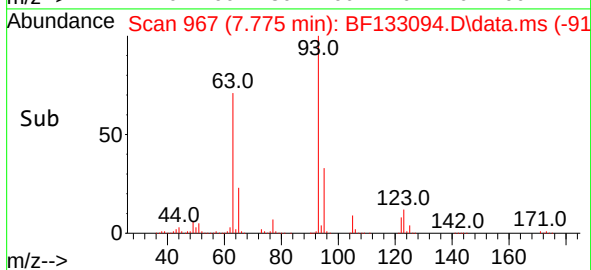
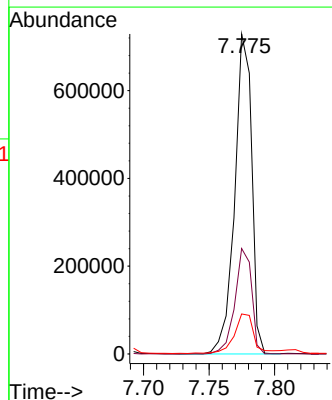
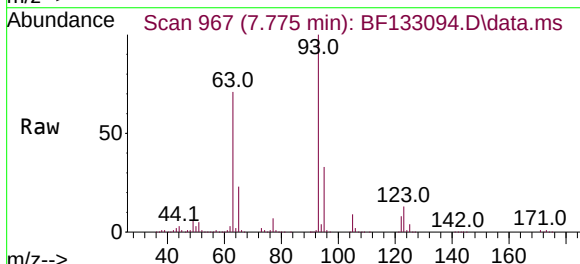
Manual Integrations
APPROVED

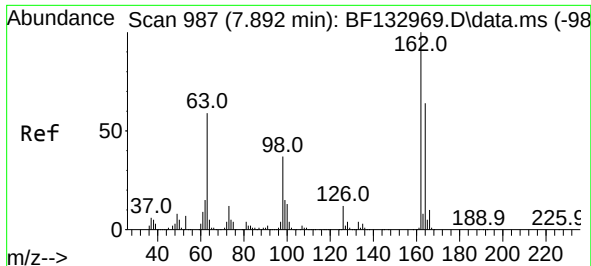
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#28
bis(2-Chloroethoxy)methane
Concen: 39.763 ng
RT: 7.775 min Scan# 967
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion: 93 Resp: 658007
Ion Ratio Lower Upper
93 100
95 32.9 26.4 39.6
123 12.5 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 42.424 ng

RT: 7.887 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:162 Resp: 47685

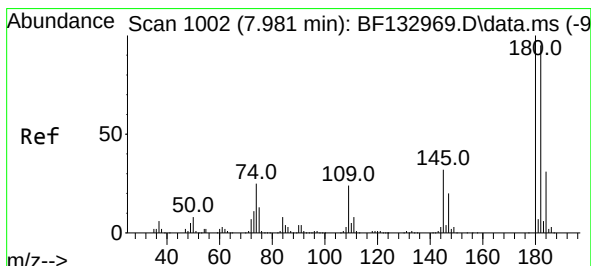
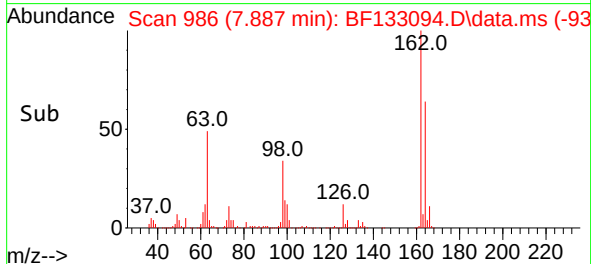
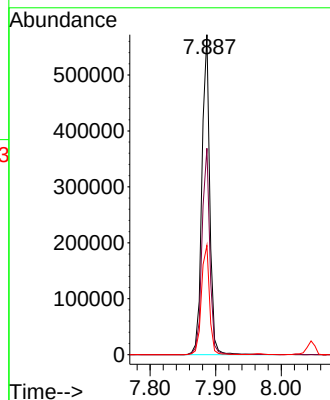
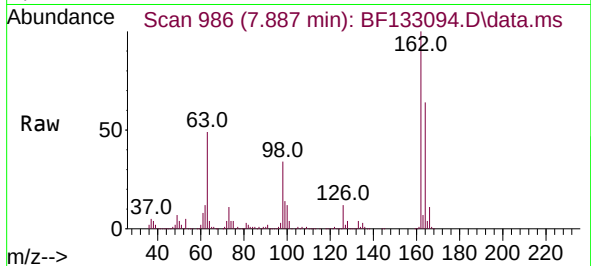
Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.9	83.9
98	34.2	17.0	57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.234 ng

RT: 7.969 min Scan# 1000

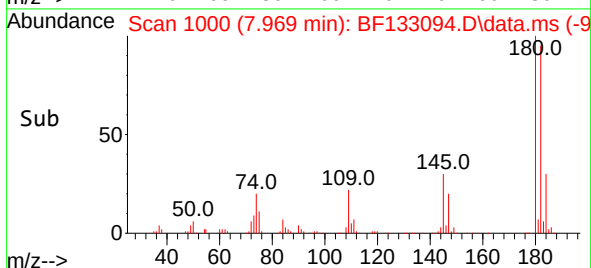
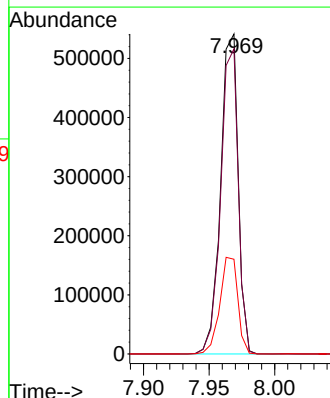
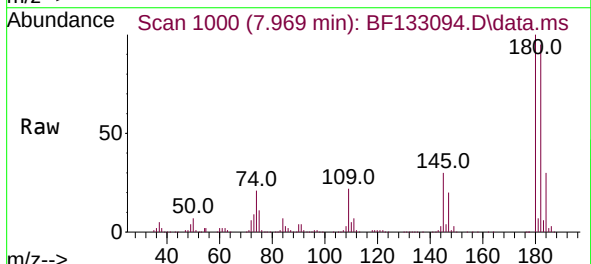
Delta R.T. -0.000 min

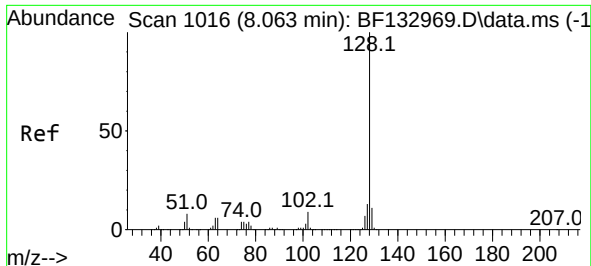
Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Tgt Ion:180 Resp: 503449

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
145	29.6	25.3	37.9





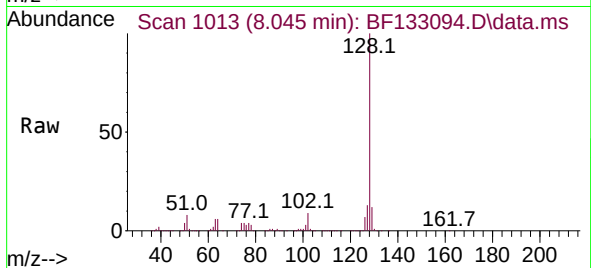
#31
Naphthalene
Concen: 40.573 ng
RT: 8.045 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

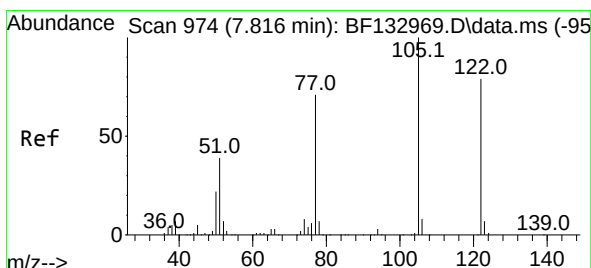
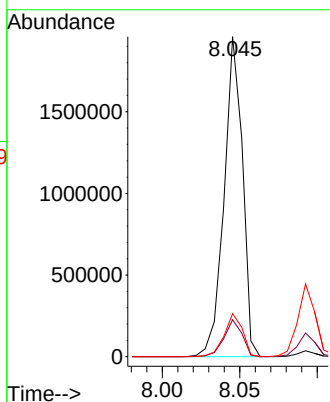
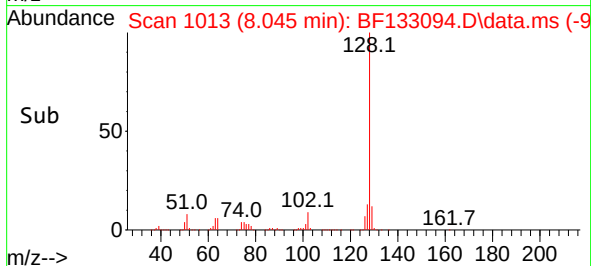


Tgt Ion:128 Resp: 161313
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.4 10.7 16.1

Manual Integrations

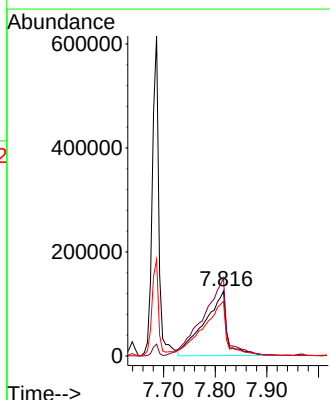
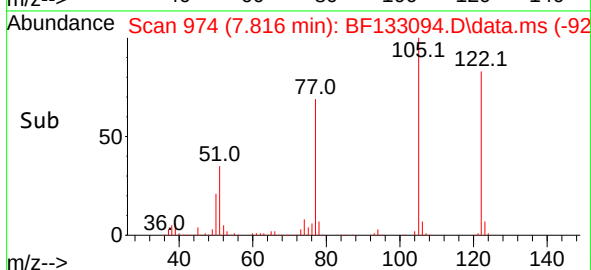
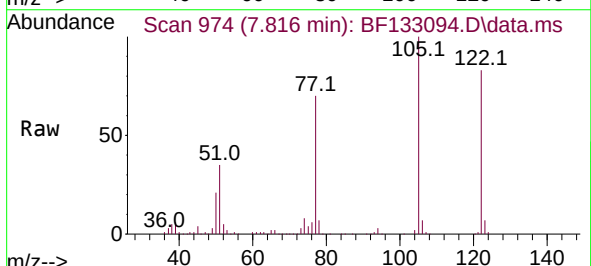
APPROVED

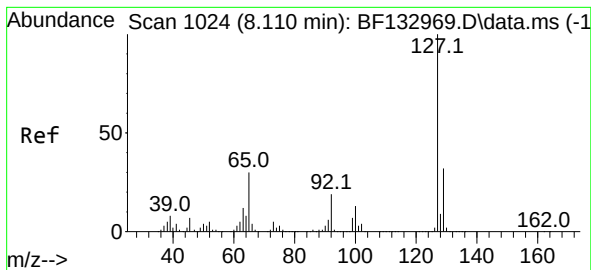
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#32
Benzoic acid
Concen: 50.260 ng
RT: 7.816 min Scan# 974
Delta R.T. 0.018 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:122 Resp: 383320
Ion Ratio Lower Upper
122 100
105 120.7 104.2 144.2
77 84.2 69.7 109.7





#33
4-Chloroaniline
Concen: 23.149 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

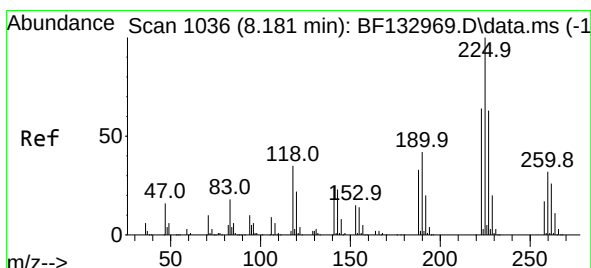
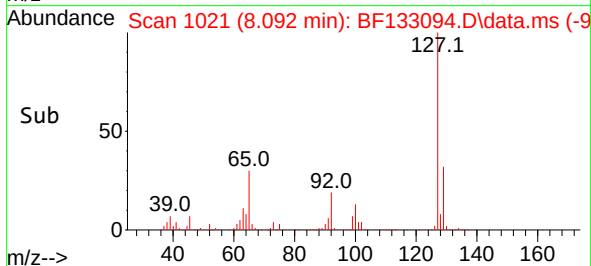
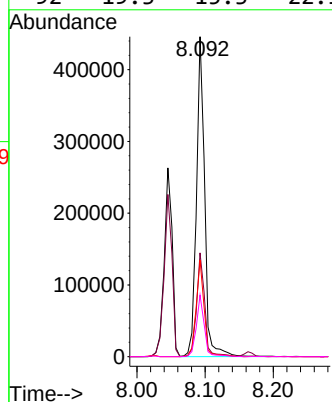
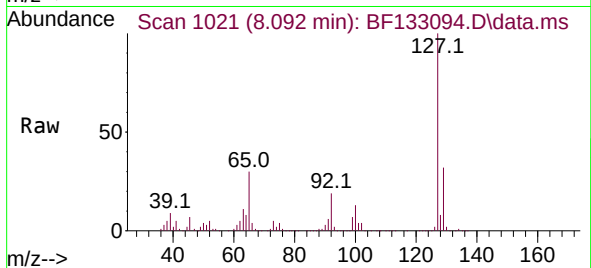
PB152410BS

Tgt Ion:127 Resp: 371860
Ion Ratio Lower Upper
127 100
129 32.4 25.8 38.8
65 30.2 23.6 35.4
92 19.3 15.3 22.9

Manual Integrations

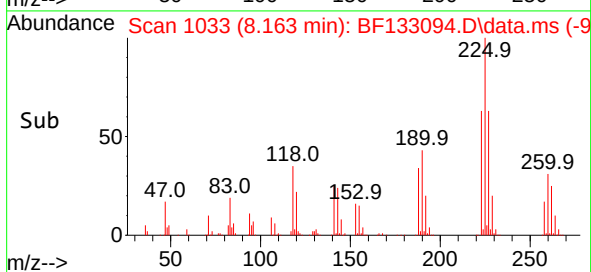
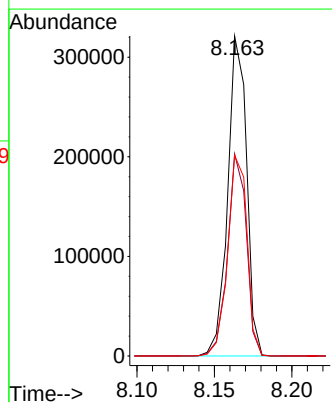
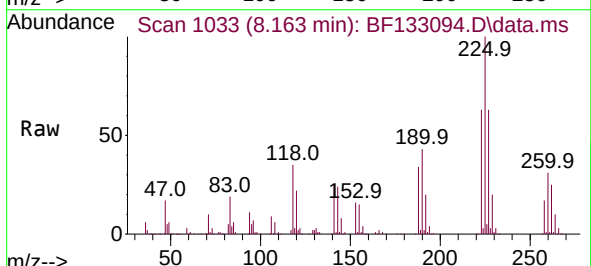
APPROVED

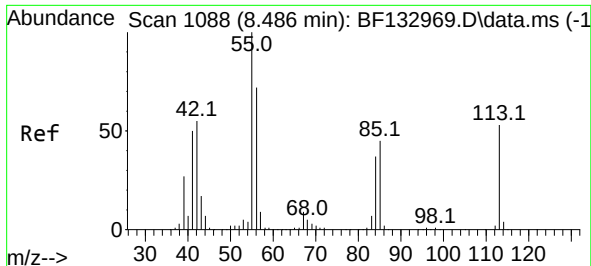
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#34
Hexachlorobutadiene
Concen: 42.182 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

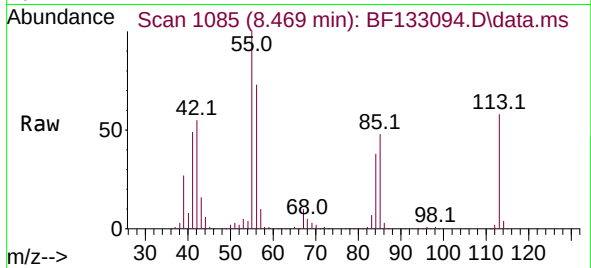
Tgt Ion:225 Resp: 272242
Ion Ratio Lower Upper
225 100
223 63.2 50.9 76.3
227 62.7 50.3 75.5





#35
 Caprolactam
 Concen: 46.532 ng m
 RT: 8.469 min Scan# 1104
 Delta R.T. -0.000 min
 Lab File: BF133094.D
 Acq: 27 Apr 2023 12:15

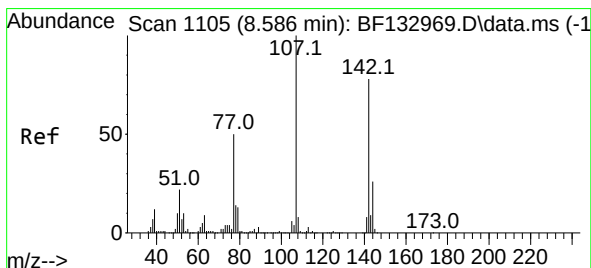
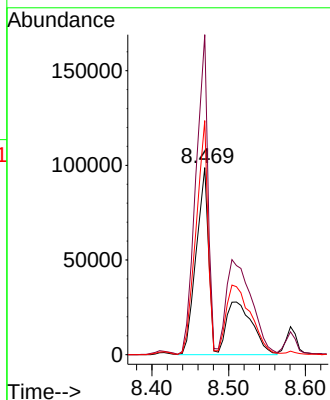
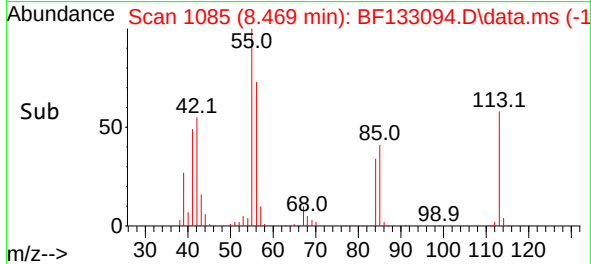
Instrument :
 BNA_F
 ClientSampleId :
 PB152410BS



Tgt Ion:113 Resp: 17570
 Ion Ratio Lower Upper
 113 100
 55 171.0 167.1 207.1
 56 125.1 114.5 154.5

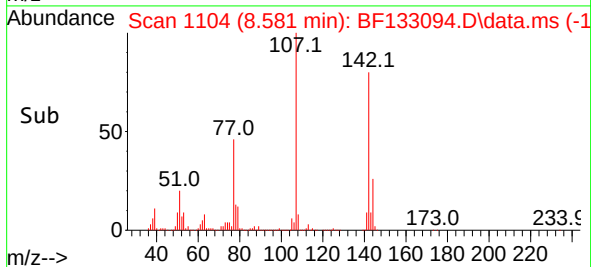
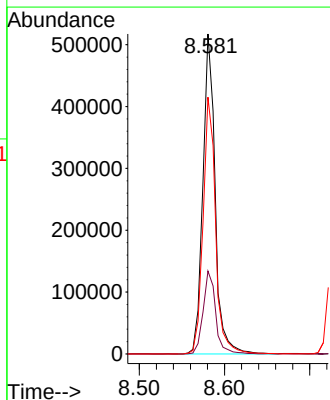
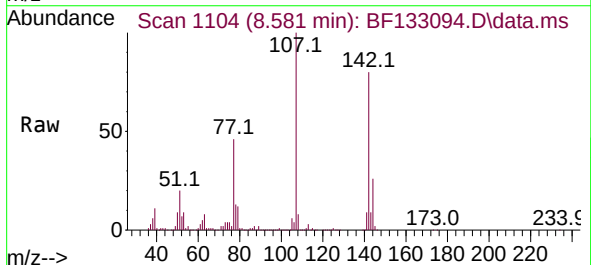
Manual Integrations
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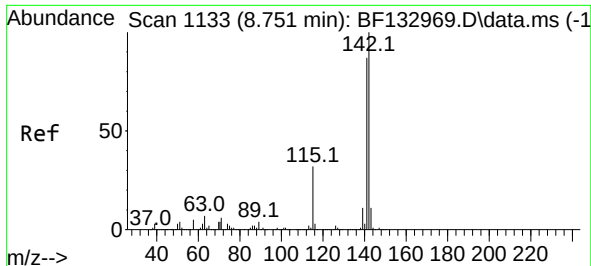
Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#36
 4-Chloro-3-methylphenol
 Concen: 42.650 ng
 RT: 8.581 min Scan# 1104
 Delta R.T. -0.000 min
 Lab File: BF133094.D
 Acq: 27 Apr 2023 12:15

Tgt Ion:107 Resp: 516965
 Ion Ratio Lower Upper
 107 100
 144 25.9 20.6 30.8
 142 80.2 62.8 94.2





#37

2-Methylnaphthalene

Concen: 39.998 ng

RT: 8.734 min Scan# 1130

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:142 Resp: 108723

Ion Ratio Lower Upper

142 100

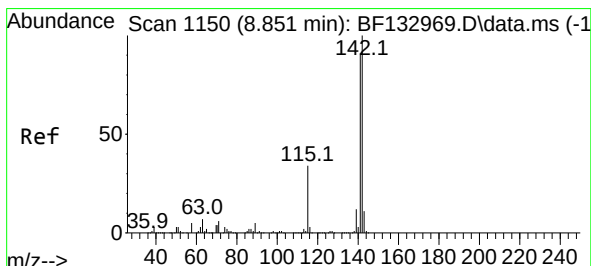
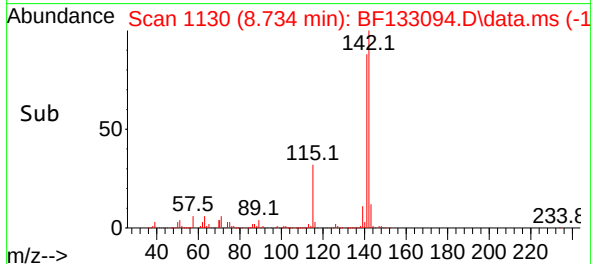
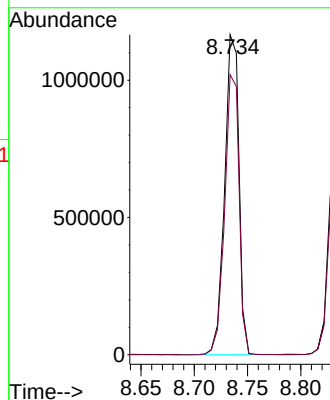
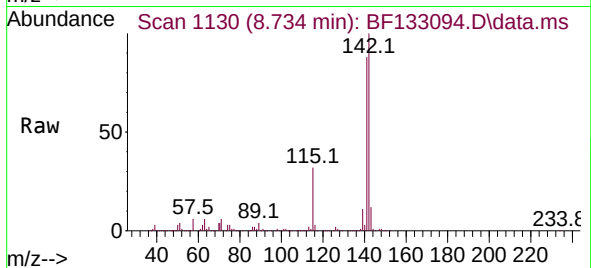
141 87.5 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#38

1-Methylnaphthalene

Concen: 39.962 ng

RT: 8.834 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF133094.D

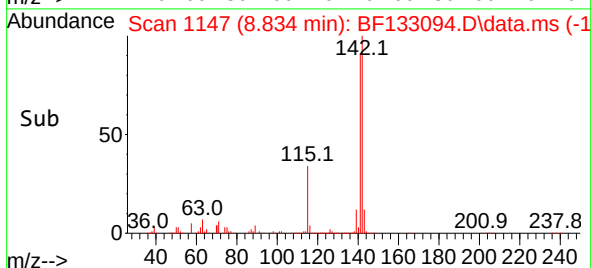
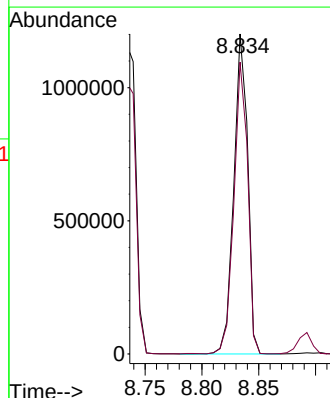
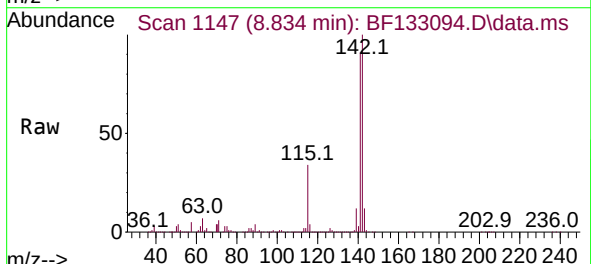
Acq: 27 Apr 2023 12:15

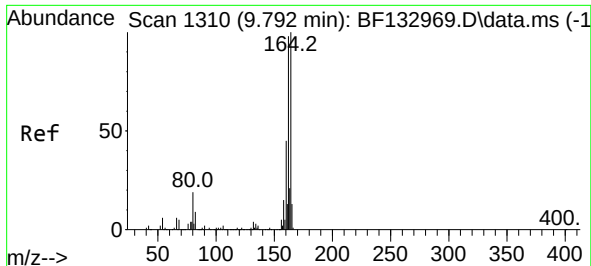
Tgt Ion:142 Resp: 1016155

Ion Ratio Lower Upper

142 100

141 91.2 73.1 109.7





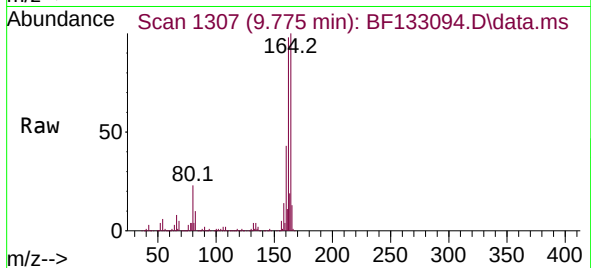
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

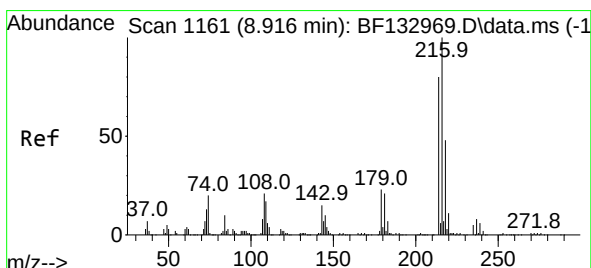
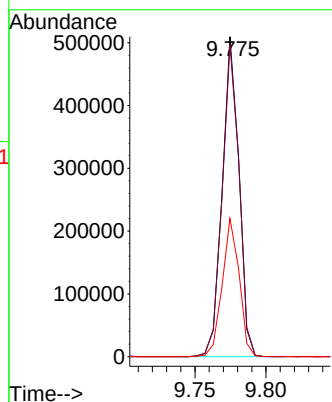
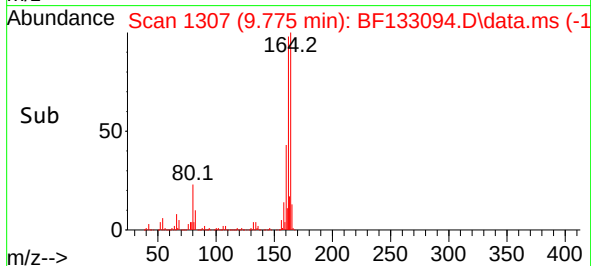


Tgt Ion:164 Resp: 41462
Ion Ratio Lower Upper
164 100
162 97.5 78.7 118.1
160 43.2 35.8 53.6

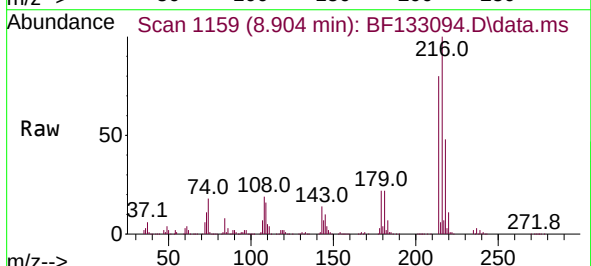
Manual Integrations

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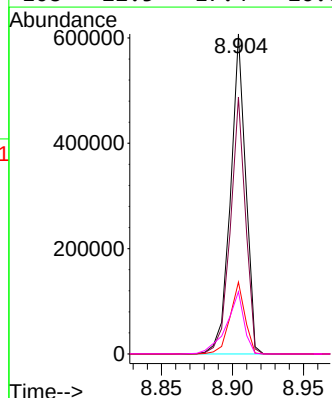
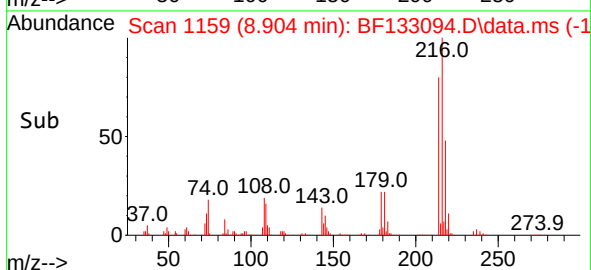
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

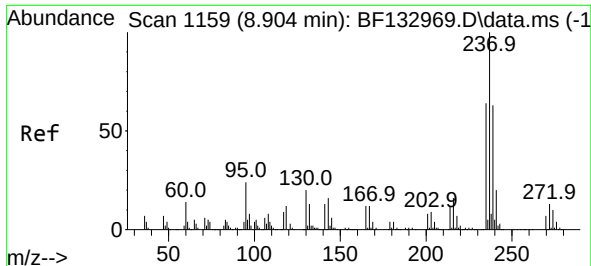


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.473 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



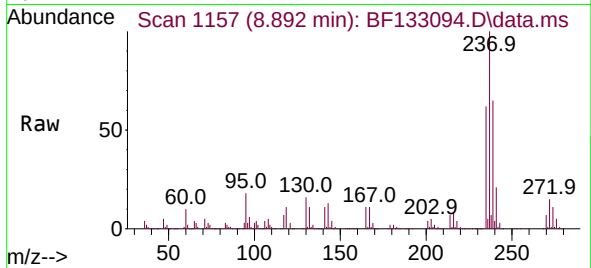
Tgt Ion:216 Resp: 451187
Ion Ratio Lower Upper
216 100
214 79.4 63.5 95.3
179 22.1 17.4 26.2
108 22.5 17.4 26.0





#41
Hexachlorocyclopentadiene
Concen: 90.667 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

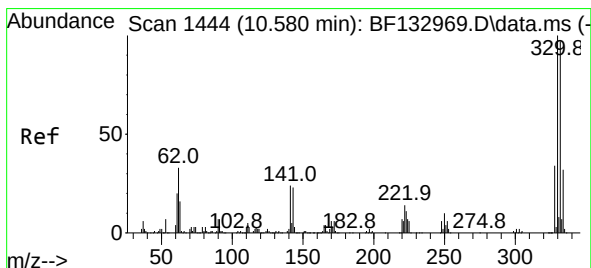
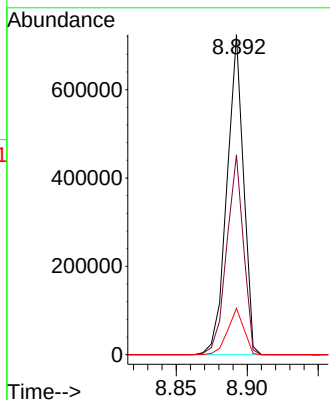
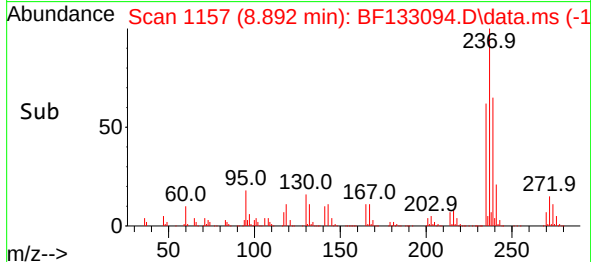
Instrument :
BNA_F
ClientSampleId :
PB152410BS



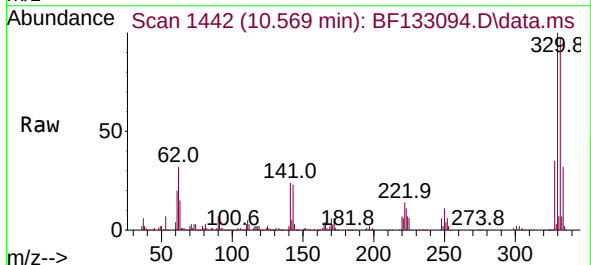
Tgt Ion:237 Resp: 58947
Ion Ratio Lower Upper
237 100
235 62.5 43.5 83.5
272 14.5 0.0 32.7

Manual Integrations
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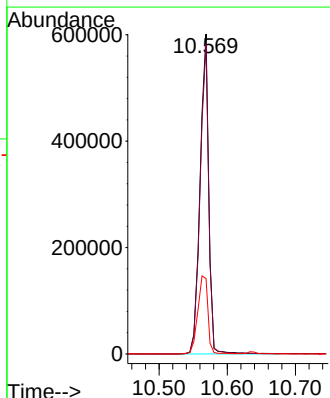
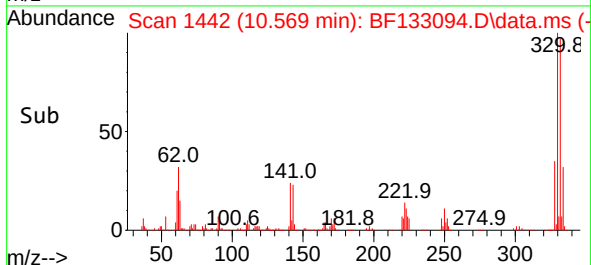
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

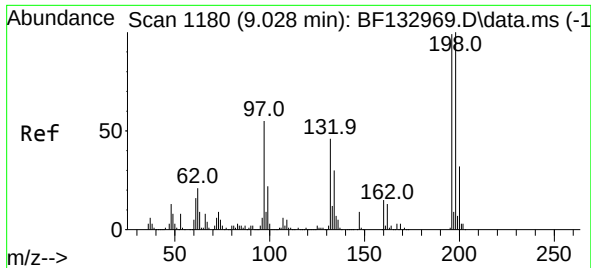


#42
2,4,6-Tribromophenol
Concen: 127.127 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:330 Resp: 530094
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 28.5 25.8 38.8





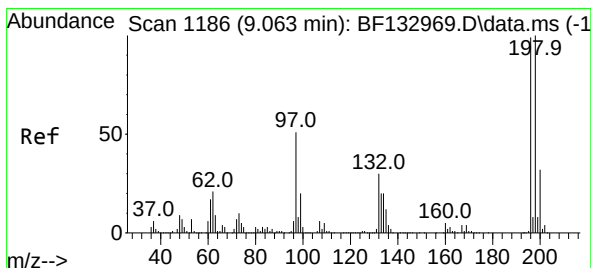
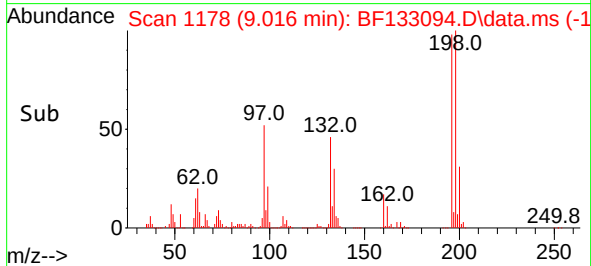
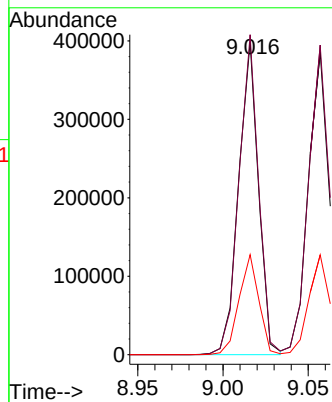
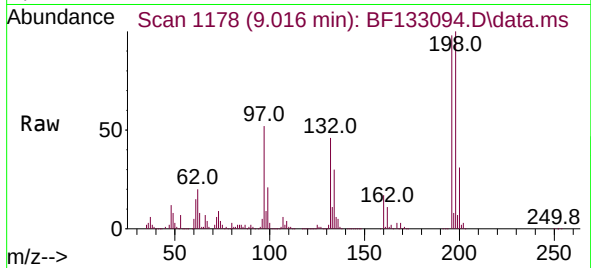
#43
2,4,6-Trichlorophenol
Concen: 41.835 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion:196 Resp: 322534
Ion Ratio Lower Upper
196 100
198 102.3 81.0 121.6
200 32.0 26.1 39.1

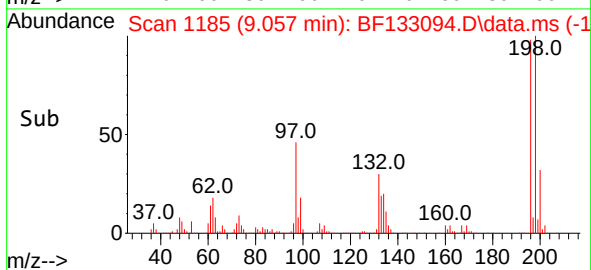
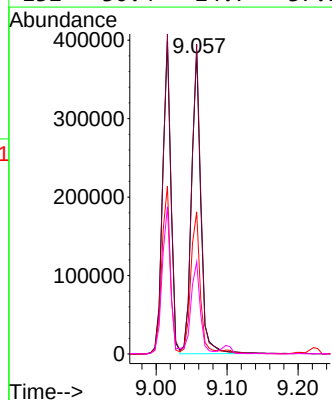
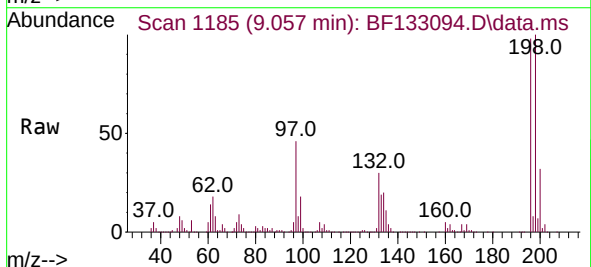
Manual Integrations
APPROVED

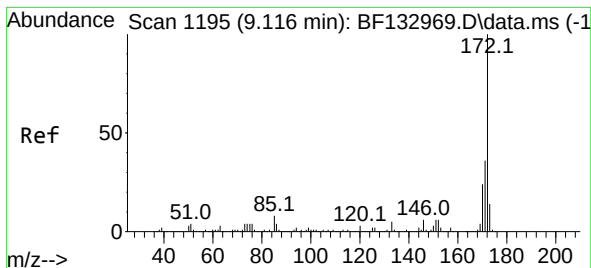
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#44
2,4,5-Trichlorophenol
Concen: 39.261 ng
RT: 9.057 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:196 Resp: 350065
Ion Ratio Lower Upper
196 100
198 102.3 80.9 121.3
97 47.0 41.3 61.9
132 30.4 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 81.819 ng

RT: 9.104 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:172 Resp: 2027725

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

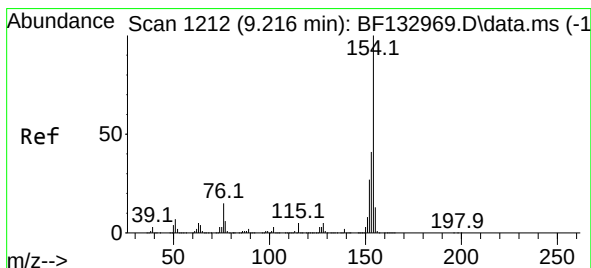
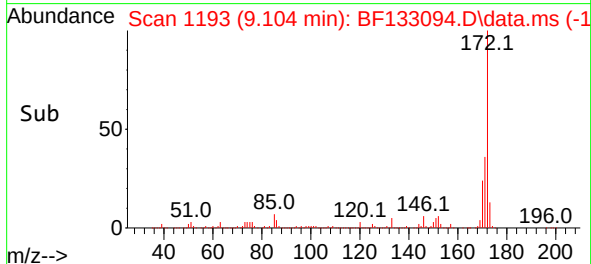
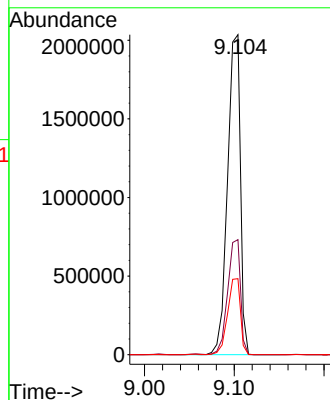
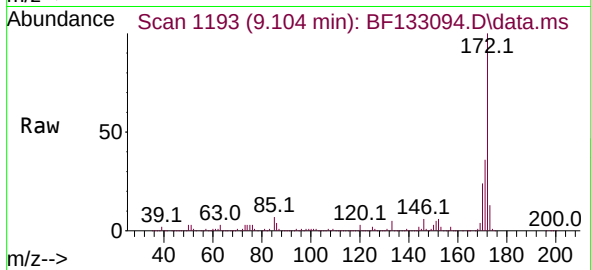
170 23.8 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#46

1,1'-Biphenyl

Concen: 40.690 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

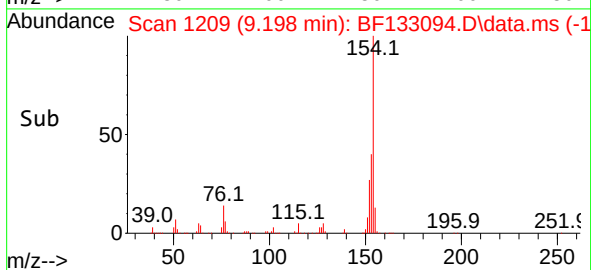
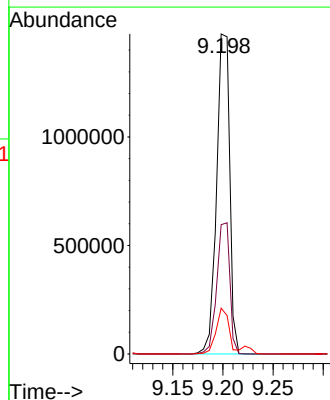
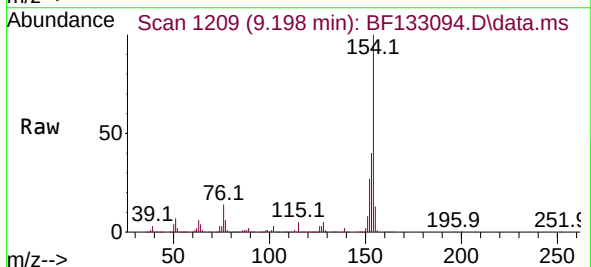
Tgt Ion:154 Resp: 1337776

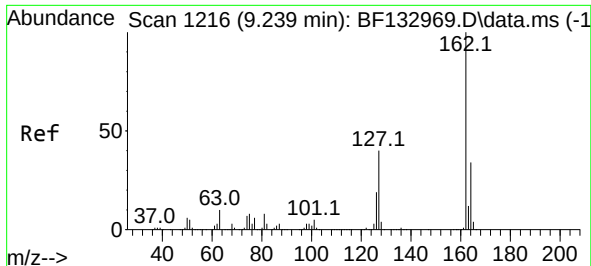
Ion Ratio Lower Upper

154 100

153 40.4 21.0 61.0

76 14.3 0.0 34.5





#47

2-Chloronaphthalene

Concen: 41.451 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

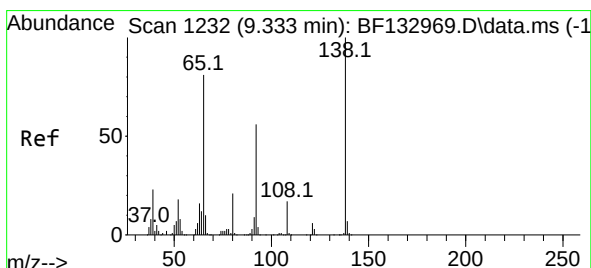
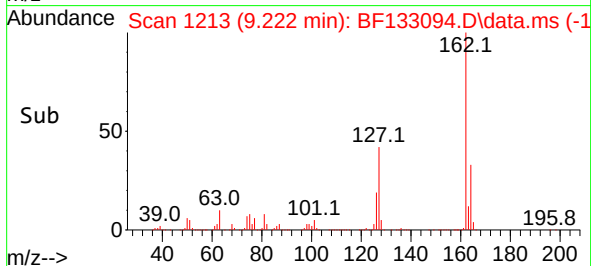
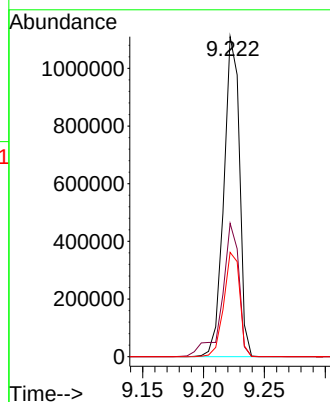
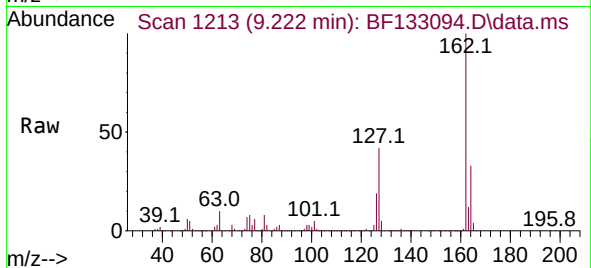
PB152410BS

Tgt Ion:162 Resp: 997494
 Ion Ratio Lower Upper
 162 100
 127 41.7 32.3 48.5
 164 32.6 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023



#48

2-Nitroaniline

Concen: 40.600 ng

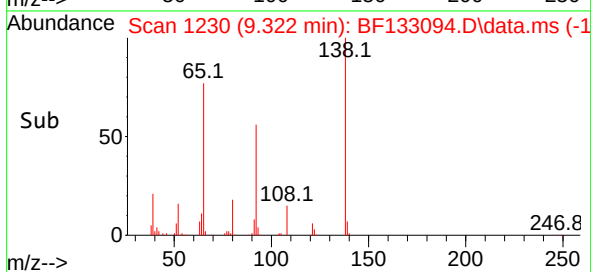
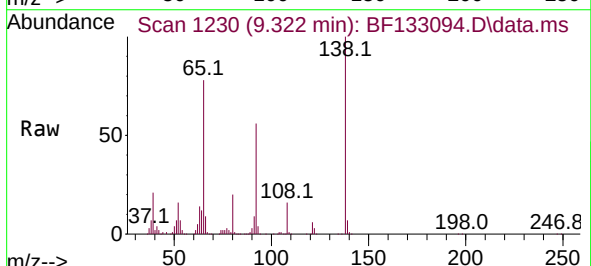
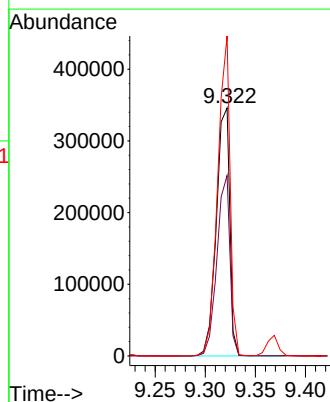
RT: 9.322 min Scan# 1230

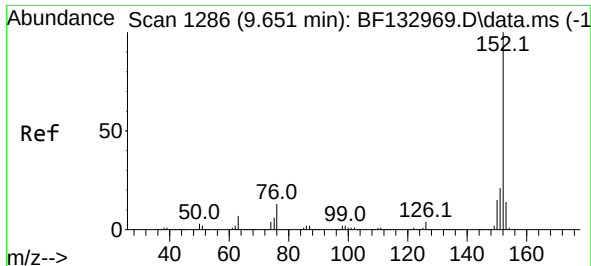
Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Tgt Ion: 65 Resp: 322894
 Ion Ratio Lower Upper
 65 100
 92 72.8 55.4 83.0
 138 129.0 98.2 147.2





#49

Acenaphthylene

Concen: 40.304 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:152 Resp: 154974

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

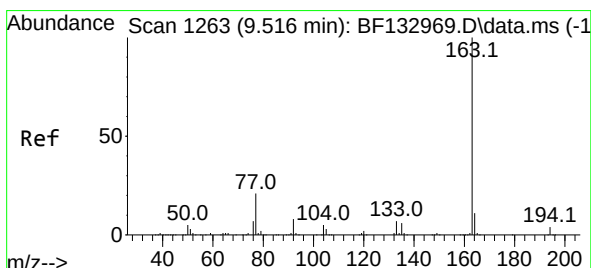
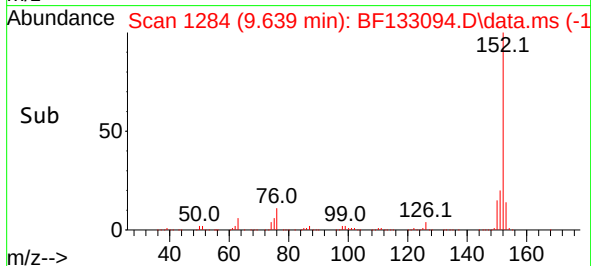
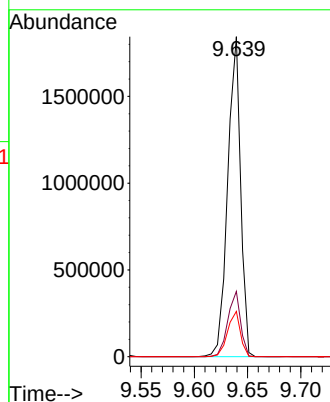
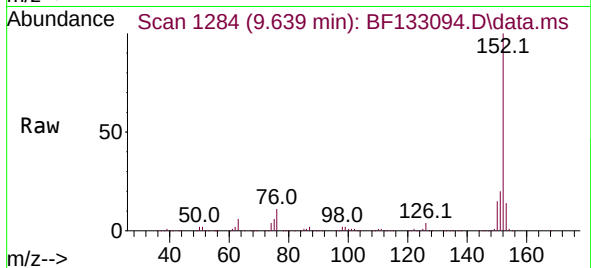
153 14.2 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#50

Dimethylphthalate

Concen: 40.489 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

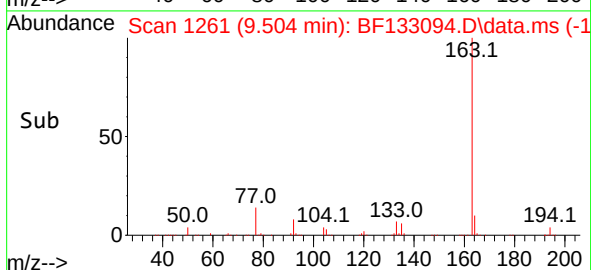
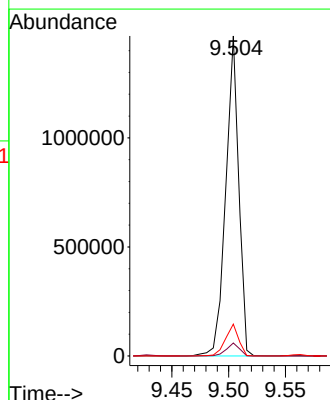
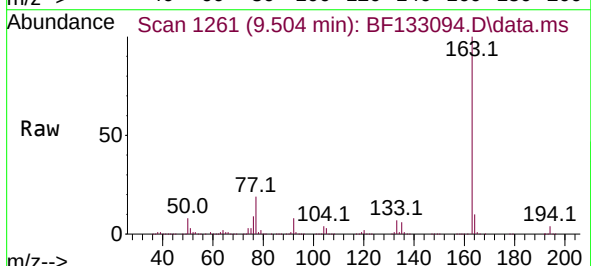
Tgt Ion:163 Resp: 1170570

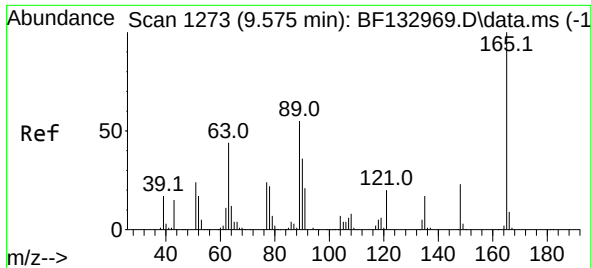
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 42.641 ng
RT: 9.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

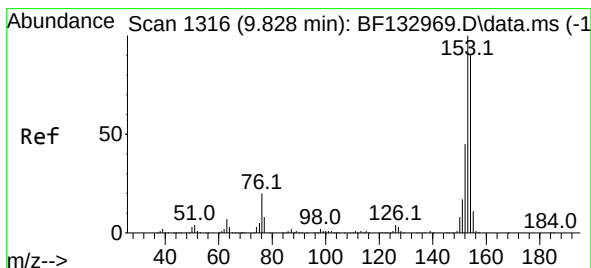
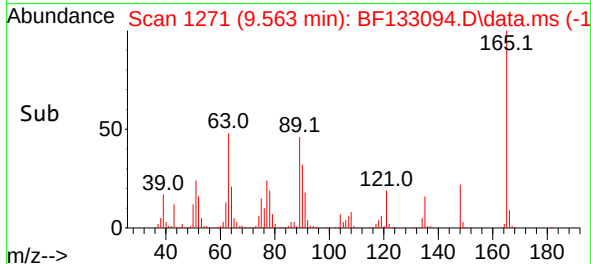
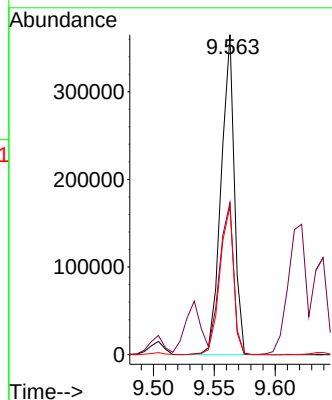
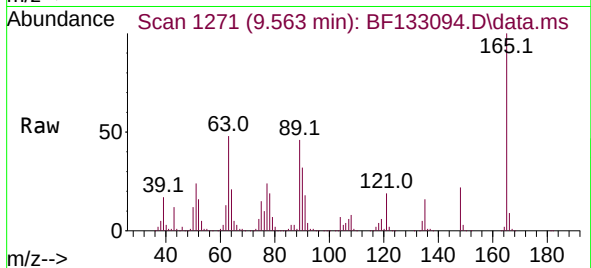
PB152410BS

Tgt Ion:165 Resp: 277464
Ion Ratio Lower Upper
165 100
63 47.6 45.9 68.9
89 46.2 44.0 66.0

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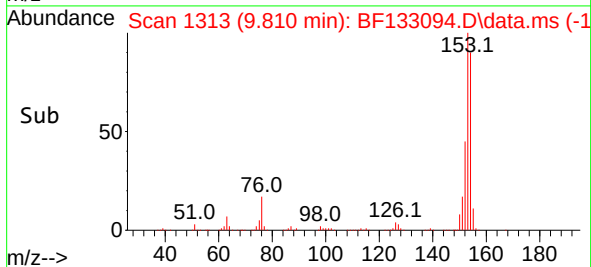
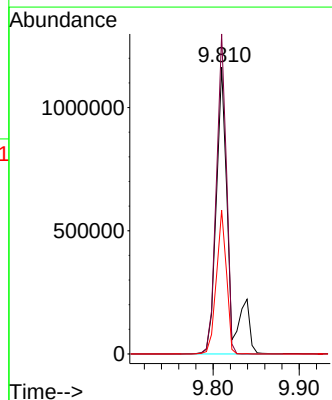
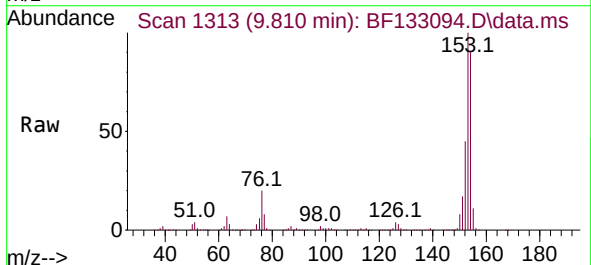
APPROVED

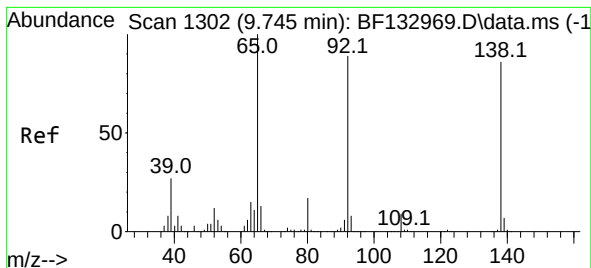
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#52
Acenaphthene
Concen: 44.926 ng m
RT: 9.810 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:154 Resp: 1156970
Ion Ratio Lower Upper
154 100
153 111.6 89.0 133.6
152 50.2 40.4 60.6





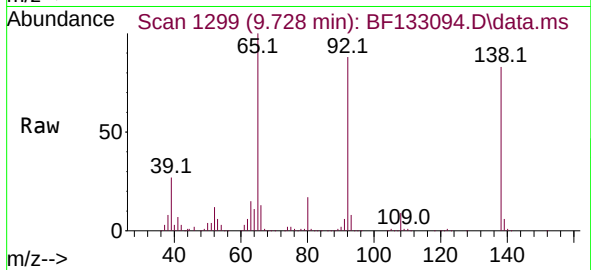
#53
3-Nitroaniline
Concen: 31.888 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

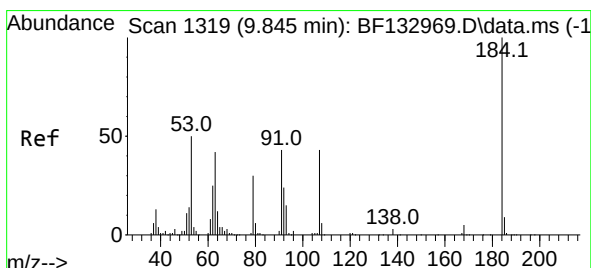
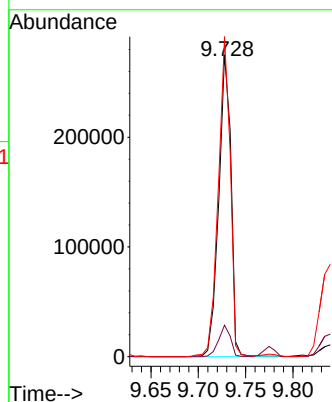
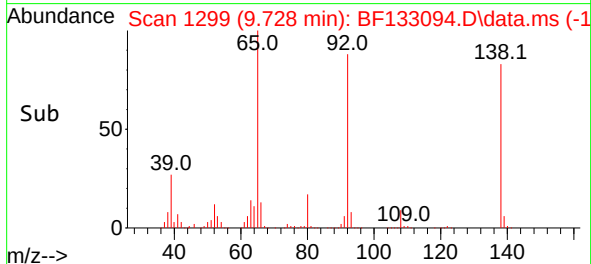


Tgt Ion:138 Resp: 246710
Ion Ratio Lower Upper
138 100
108 10.4 8.0 12.0
92 106.0 83.6 125.4

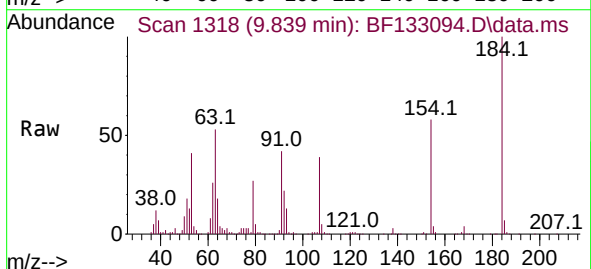
Manual Integrations

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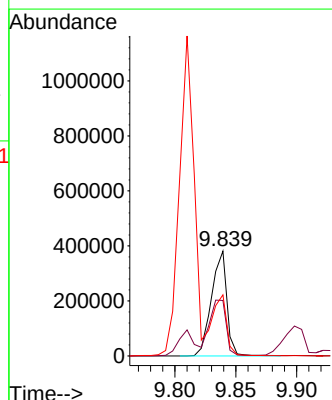
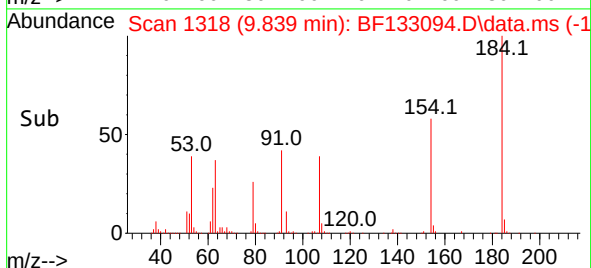
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

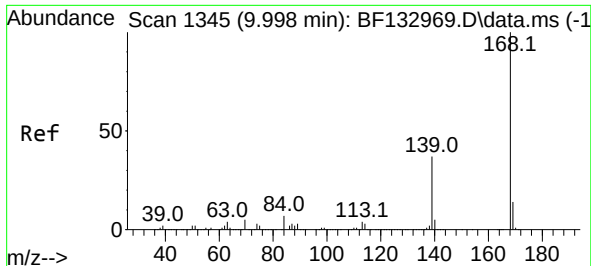


#54
2,4-Dinitrophenol
Concen: 103.235 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



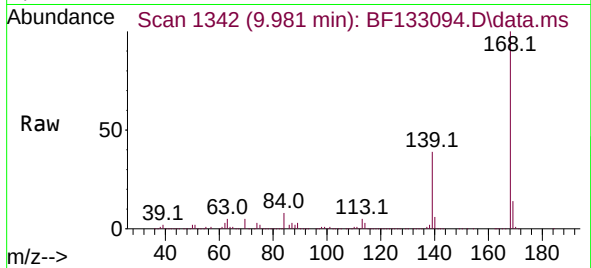
Tgt Ion:184 Resp: 337658
Ion Ratio Lower Upper
184 100
63 53.0 49.8 74.8
154 58.3 49.5 74.3





#55
Dibenzofuran
Concen: 39.876 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

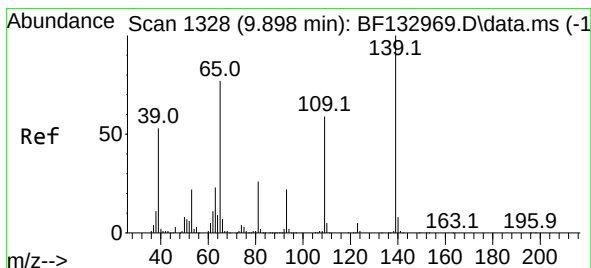
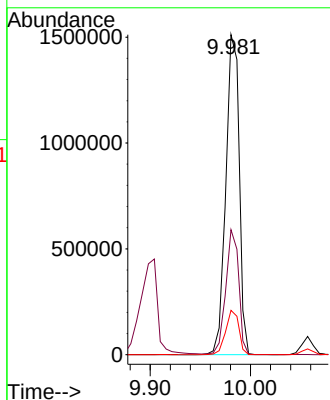
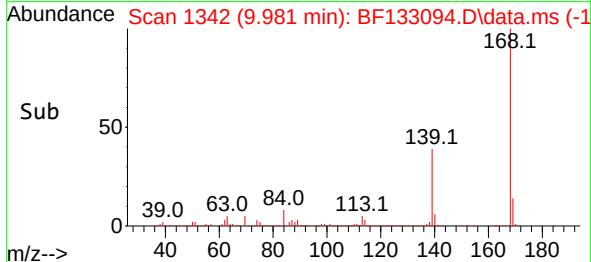
Instrument :
BNA_F
ClientSampleId :
PB152410BS



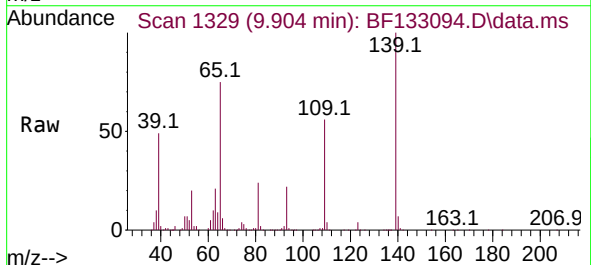
Tgt Ion:168 Resp: 1400804
Ion Ratio Lower Upper
168 100
139 39.0 29.8 44.8
169 13.9 10.8 16.2

Manual Integrations
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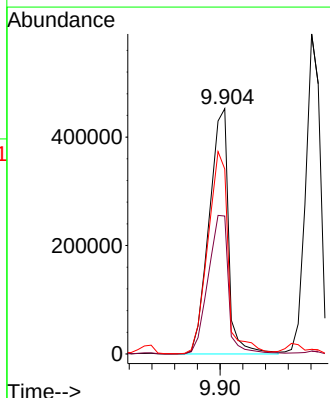
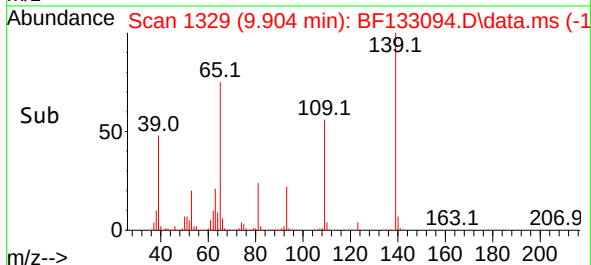
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

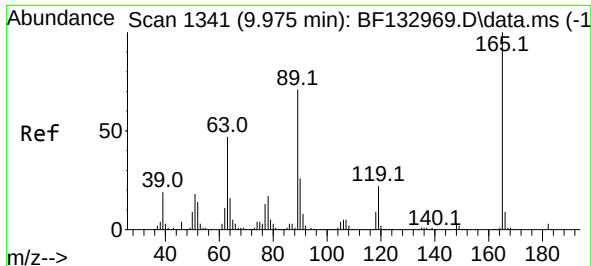


#56
4-Nitrophenol
Concen: 89.984 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.012 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:139 Resp: 539228
Ion Ratio Lower Upper
139 100
109 56.2 39.4 79.4
65 75.4 57.5 97.5





#57
2,4-Dinitrotoluene
Concen: 45.307 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

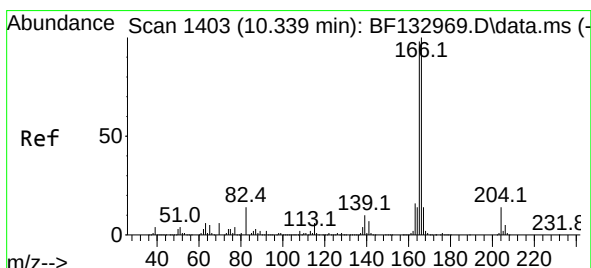
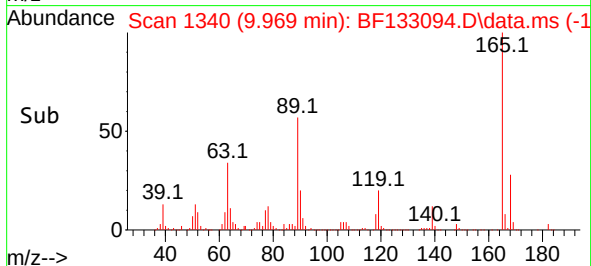
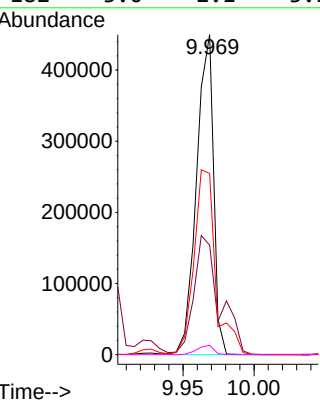
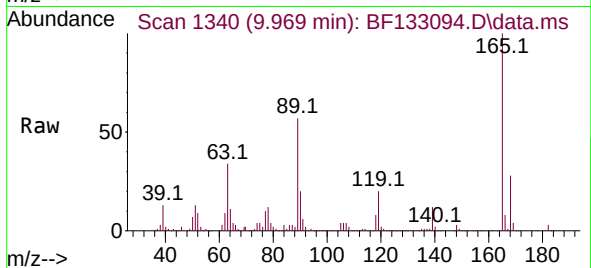
PB152410BS

Tgt Ion:165 Resp: 375972
Ion Ratio Lower Upper
165 100
63 34.2 37.7 56.5
89 56.6 57.0 85.4
182 3.0 2.1 3.1

Manual Integrations

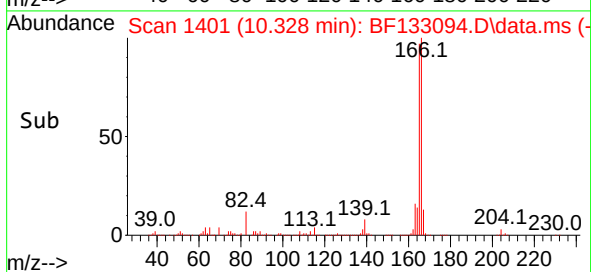
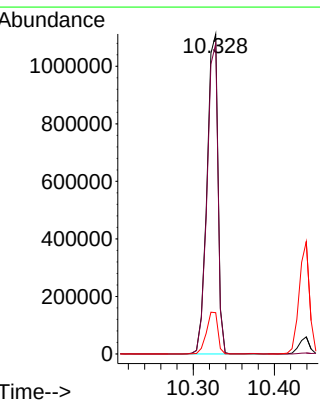
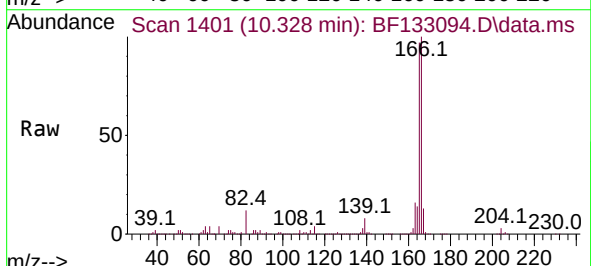
APPROVED

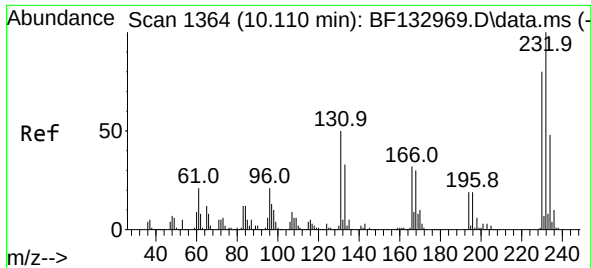
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#58
Fluorene
Concen: 40.589 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

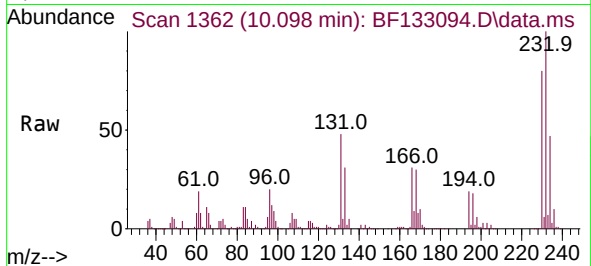
Tgt Ion:166 Resp: 1044631
Ion Ratio Lower Upper
166 100
165 97.0 78.6 117.8
167 12.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.446 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

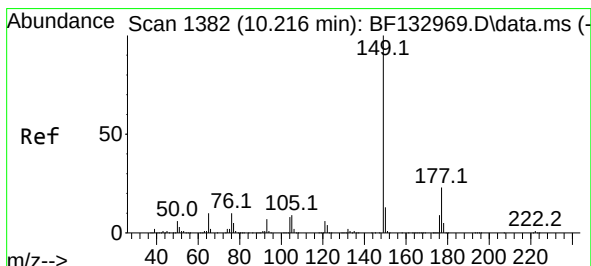
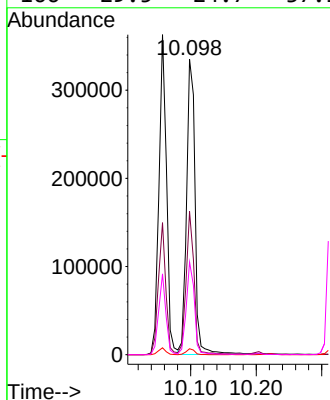
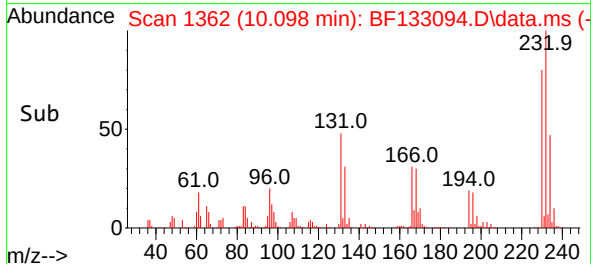
Instrument :
BNA_F
ClientSampleId :
PB152410BS



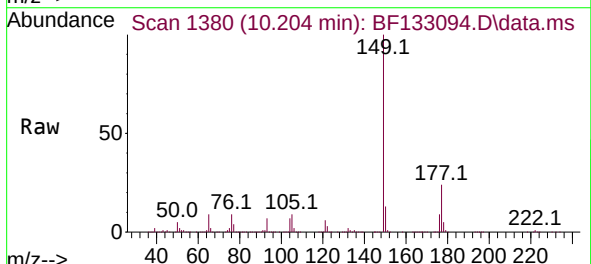
Tgt Ion:232 Resp: 300324
Ion Ratio Lower Upper
232 100
131 44.8 38.0 57.0
130 2.0 1.8 2.8
166 29.5 24.7 37.1

Manual Integrations
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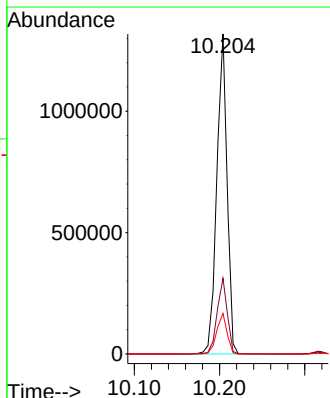
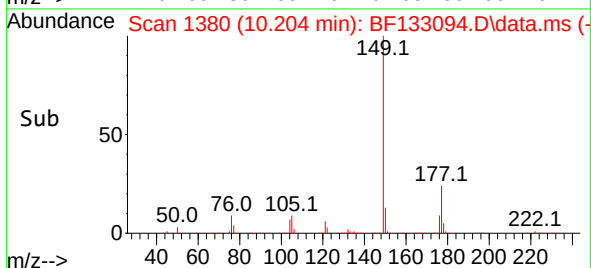
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

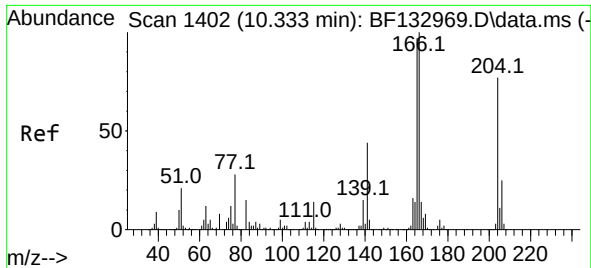


#60
Diethylphthalate
Concen: 40.413 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:149 Resp: 1103604
Ion Ratio Lower Upper
149 100
177 23.6 18.2 27.4
150 12.7 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 39.774 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

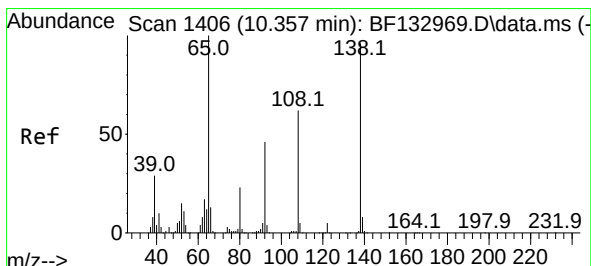
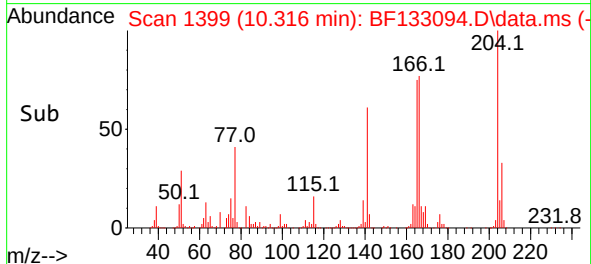
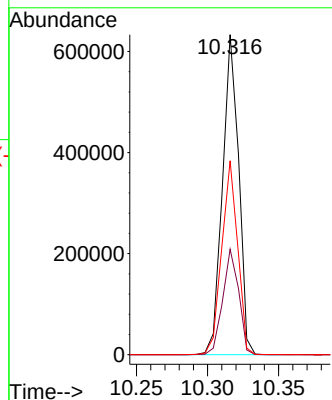
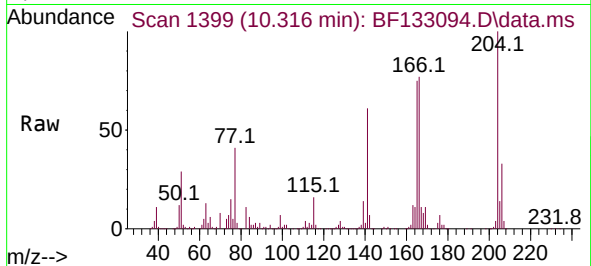
PB152410BS

Tgt Ion:204 Resp: 498840
Ion Ratio Lower Upper
204 100
206 33.0 26.1 39.1
141 60.6 46.1 69.1

Manual Integrations

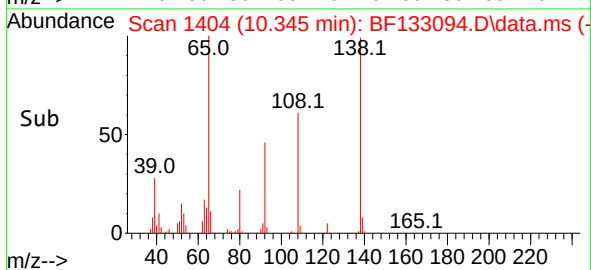
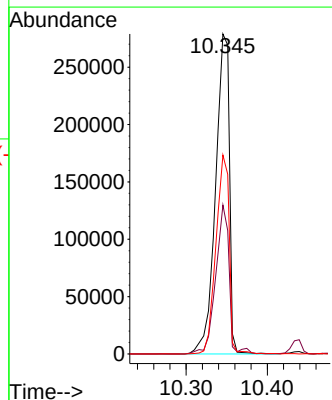
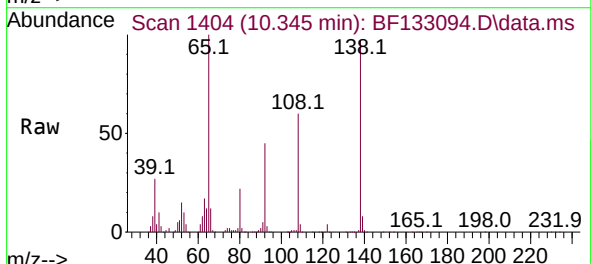
APPROVED

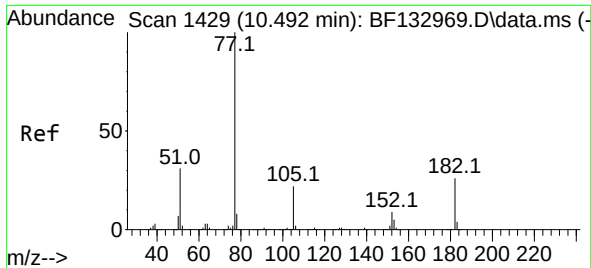
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#62
4-Nitroaniline
Concen: 46.526 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

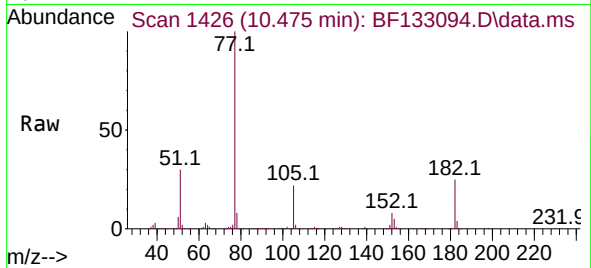
Tgt Ion:138 Resp: 330849
Ion Ratio Lower Upper
138 100
92 46.5 27.7 67.7
108 62.1 45.2 85.2





#63
Azobenzene
Concen: 37.873 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

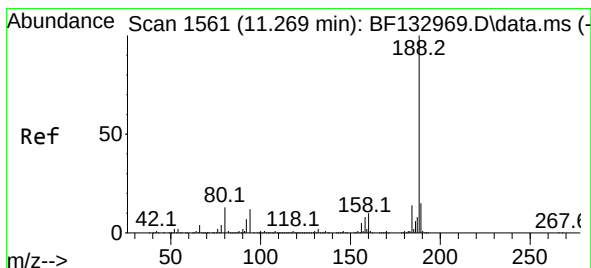
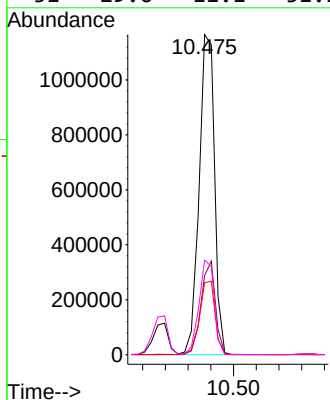
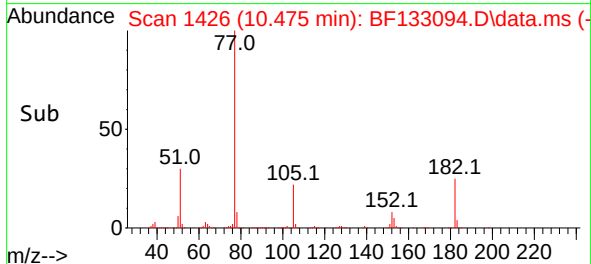
Instrument :
BNA_F
ClientSampleId :
PB152410BS



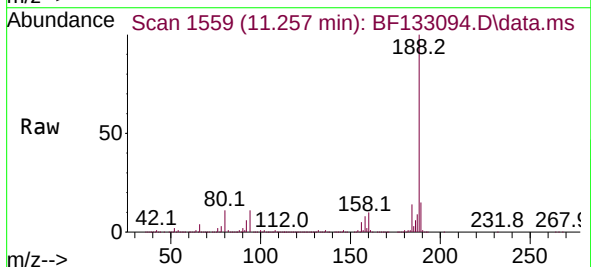
Tgt Ion: 77 Resp: 1095599
Ion Ratio Lower Upper
77 100
182 24.7 5.9 45.9
105 22.5 2.3 42.3
51 29.6 11.1 51.1

Manual Integrations
APPROVED

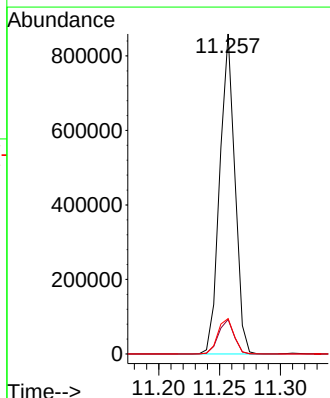
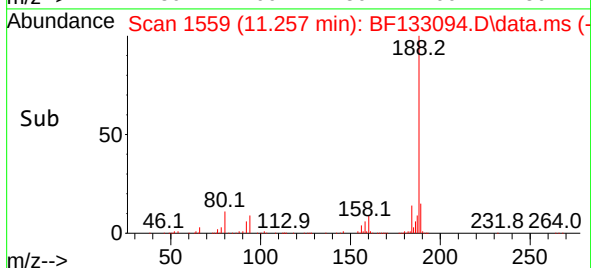
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

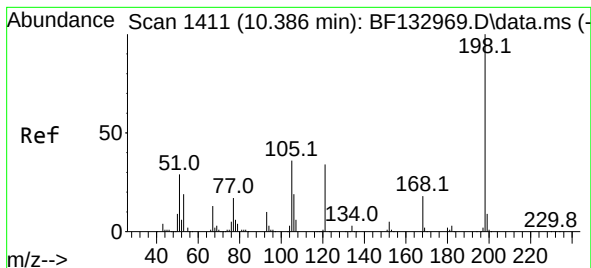


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:188 Resp: 743732
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.1 10.4 15.6





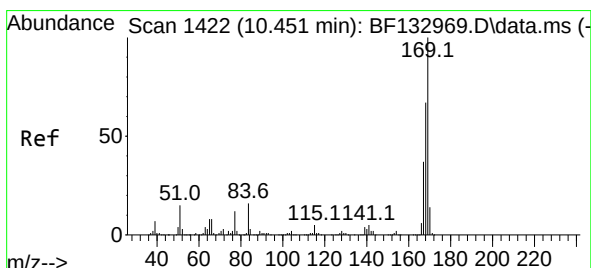
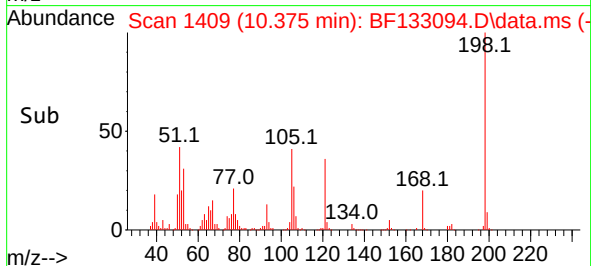
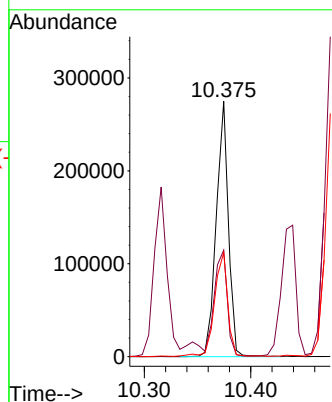
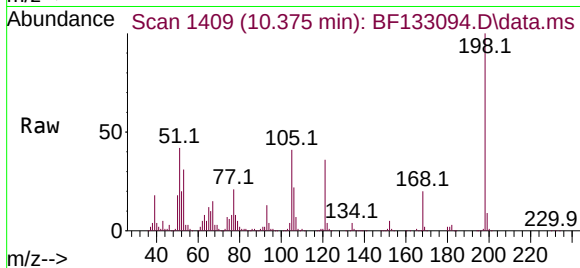
#65
4,6-Dinitro-2-methylphenol
Concen: 48.198 ng
RT: 10.375 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion:198 Resp: 21727
Ion Ratio Lower Upper
198 100
51 41.7 15.5 55.5
105 40.8 16.7 56.7

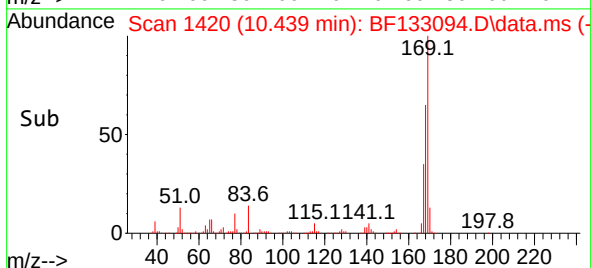
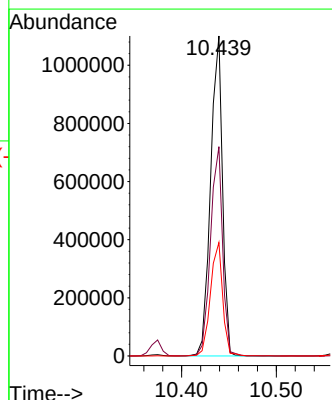
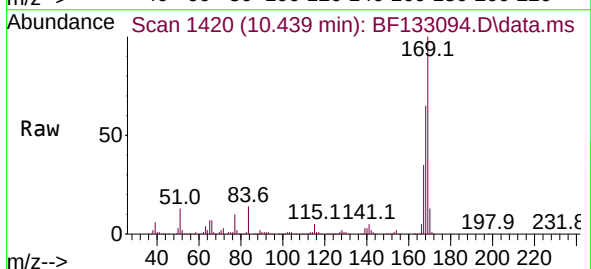
Manual Integrations
APPROVED

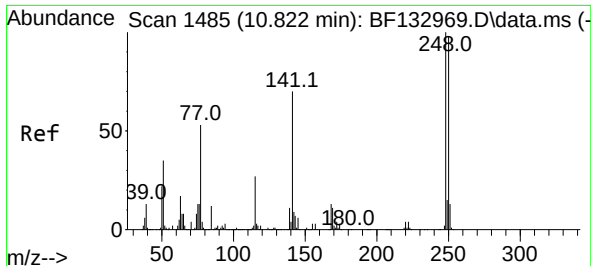
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#66
n-Nitrosodiphenylamine
Concen: 39.589 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

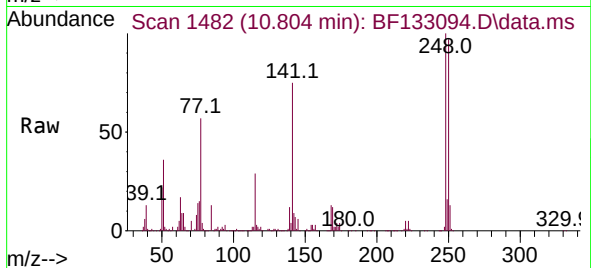
Tgt Ion:169 Resp: 955070
Ion Ratio Lower Upper
169 100
168 65.4 53.8 80.8
167 35.5 29.7 44.5





#67
4-Bromophenyl-phenylether
Concen: 39.641 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

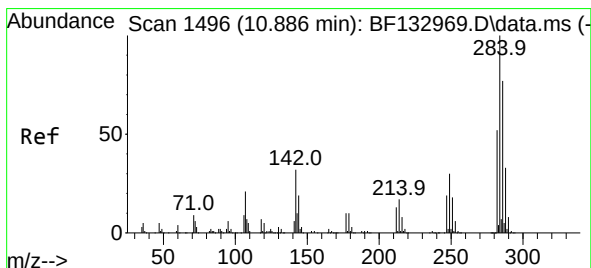
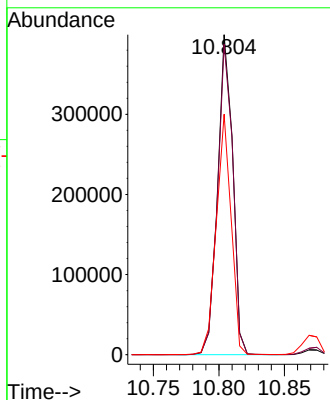
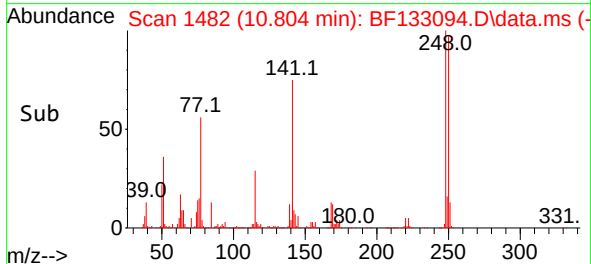
Instrument :
BNA_F
ClientSampleId :
PB152410BS



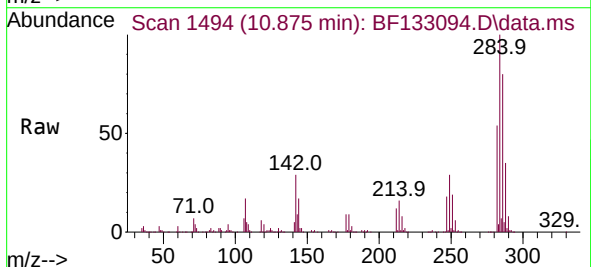
Tgt Ion:248 Resp: 31975
Ion Ratio Lower Upper
248 100
250 97.0 78.7 118.1
141 75.1 56.3 84.5

Manual Integrations
APPROVED

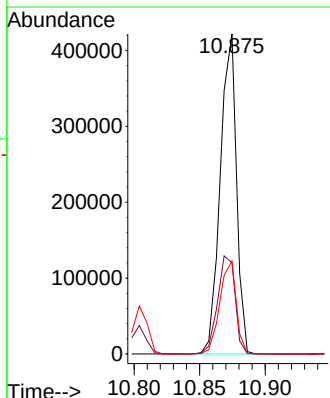
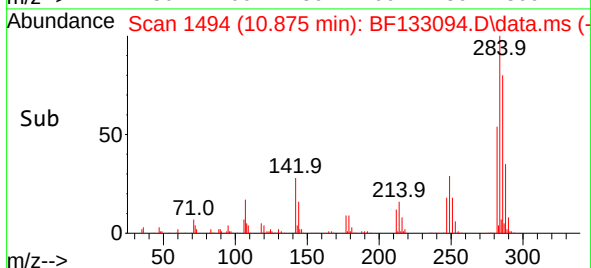
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

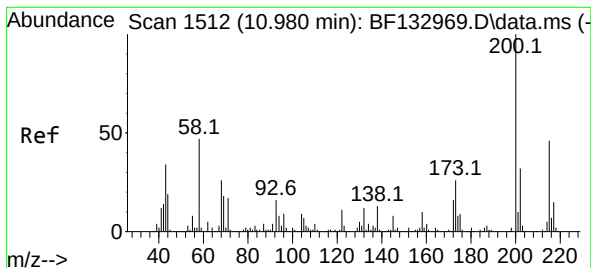


#68
Hexachlorobenzene
Concen: 43.775 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:284 Resp: 361815
Ion Ratio Lower Upper
284 100
142 28.5 26.0 39.0
249 29.1 23.7 35.5





#69

Atrazine

Concen: 45.770 ng

RT: 10.969 min Scan# 1510

Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:200 Resp: 31816

Ion Ratio Lower Upper

200 100

173 27.4 6.2 46.2

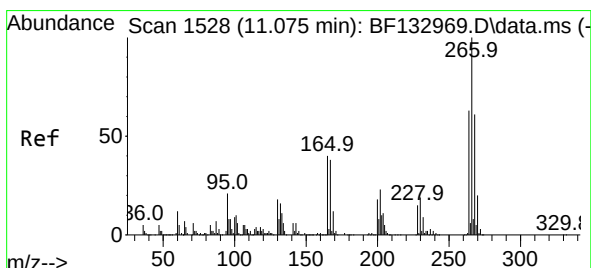
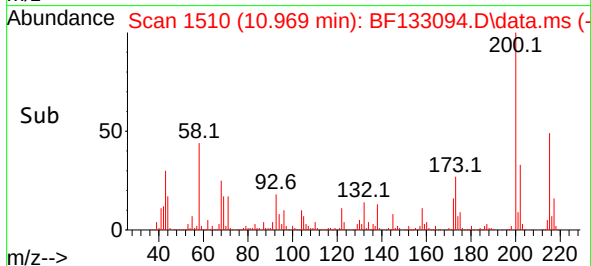
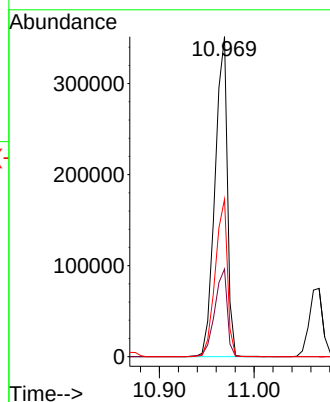
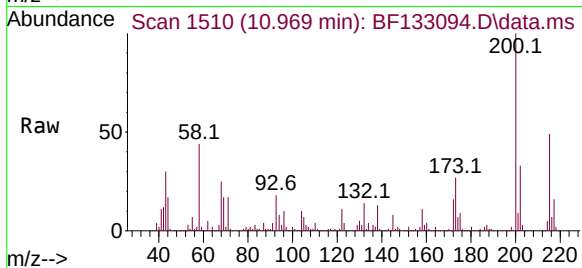
215 49.2 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#70

Pentachlorophenol

Concen: 76.966 ng

RT: 11.069 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

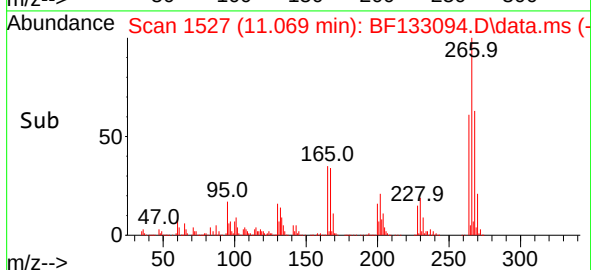
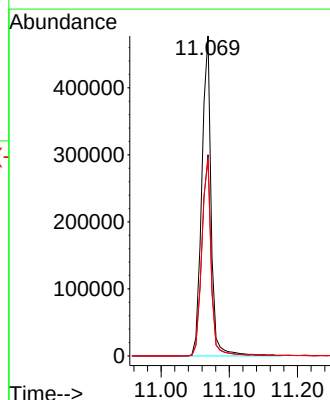
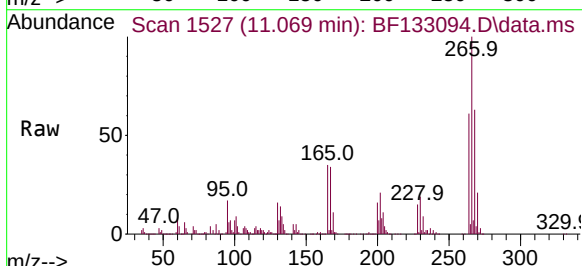
Tgt Ion:266 Resp: 453063

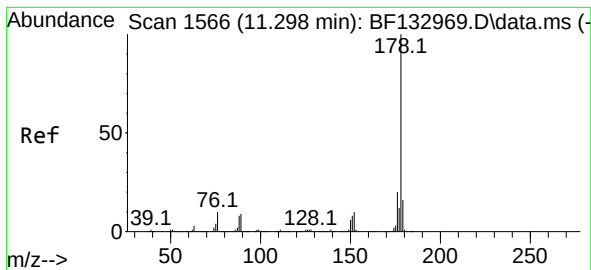
Ion Ratio Lower Upper

266 100

268 62.9 48.8 73.2

264 61.1 50.6 76.0





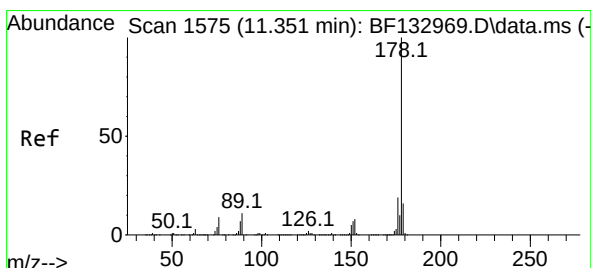
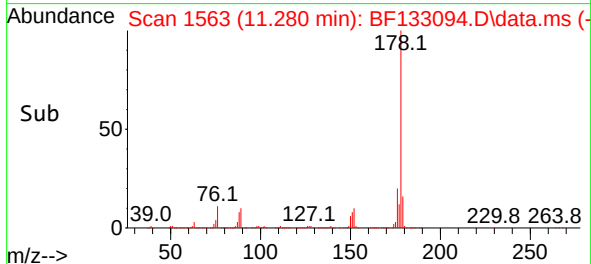
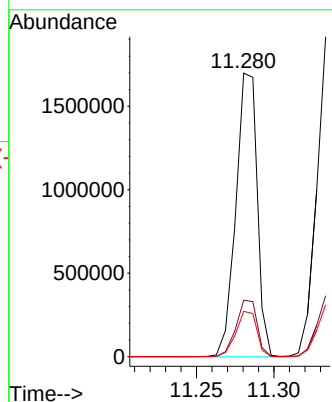
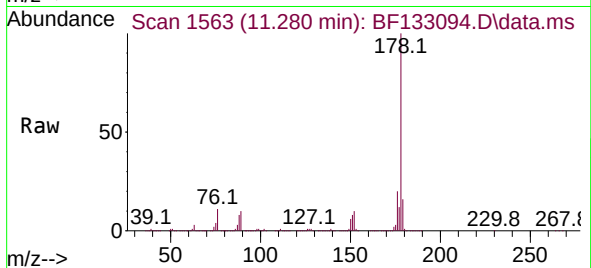
#71
Phenanthrene
Concen: 40.709 ng
RT: 11.280 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :
BNA_F
ClientSampleId :
PB152410BS

Tgt Ion:178 Resp: 1627290
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 16.0 12.5 18.7

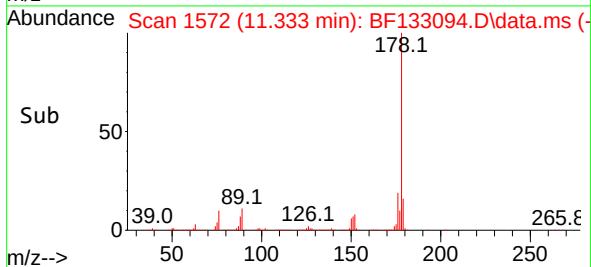
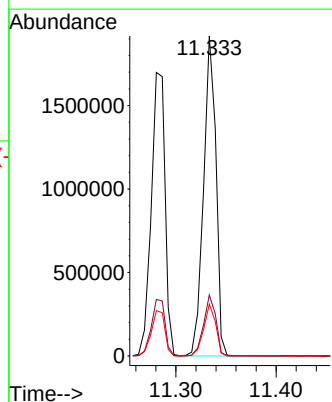
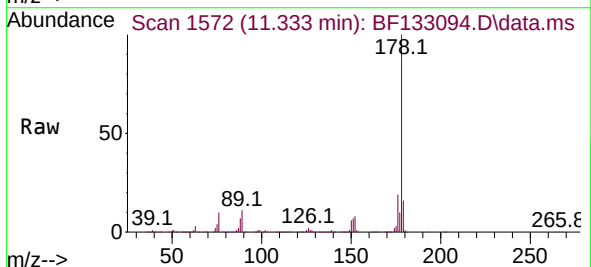
Manual Integrations
APPROVED

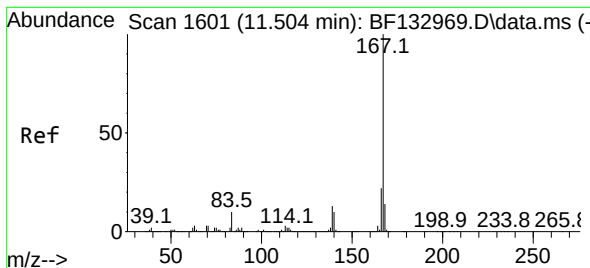
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#72
Anthracene
Concen: 40.422 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:178 Resp: 1653594
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.2 12.4 18.6





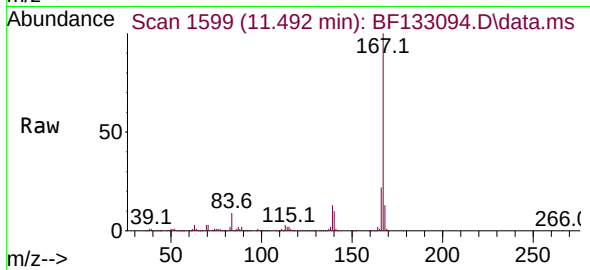
#73
 Carbazole
 Concen: 42.650 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.000 min
 Lab File: BF133094.D
 Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

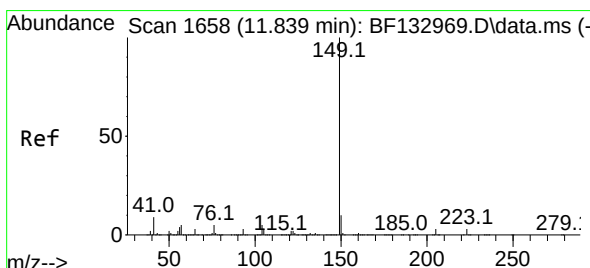
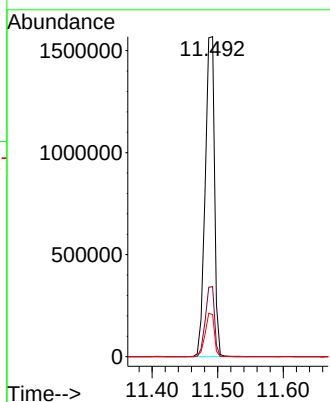
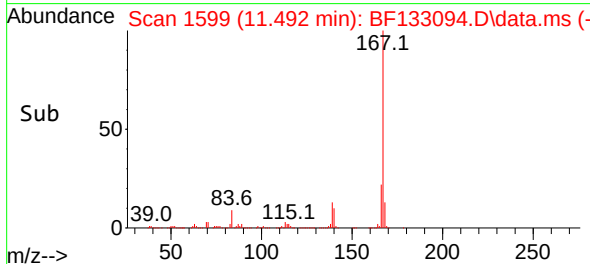


Tgt Ion:167 Resp: 1553560
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 13.2 10.6 16.0

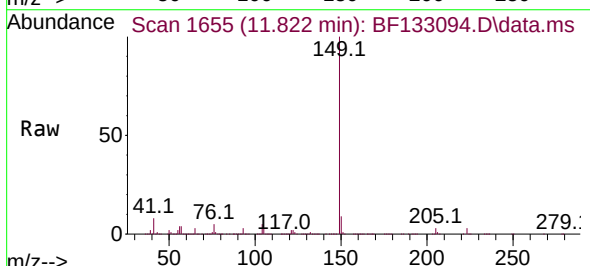
Manual Integrations

APPROVED

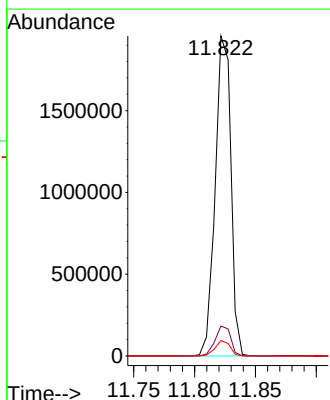
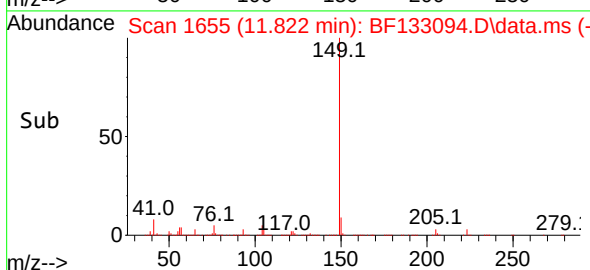
Reviewed By :Christian Giraldo 04/28/2023
 Supervised By :Jagrut Upadhyay 04/28/2023

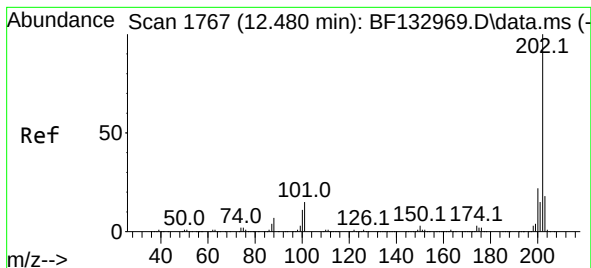


#74
 Di-n-butylphthalate
 Concen: 42.572 ng
 RT: 11.822 min Scan# 1655
 Delta R.T. -0.006 min
 Lab File: BF133094.D
 Acq: 27 Apr 2023 12:15



Tgt Ion:149 Resp: 1754879
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 4.8 4.0 6.0





#75

Fluoranthene

Concen: 42.052 ng

RT: 12.469 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:202 Resp: 1687020

Ion Ratio Lower Upper

202 100

101 13.6 0.0 35.3

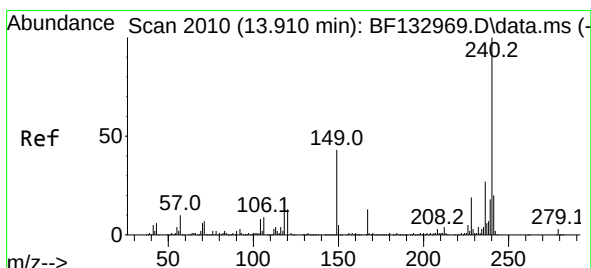
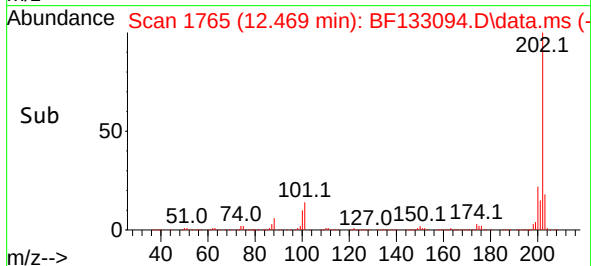
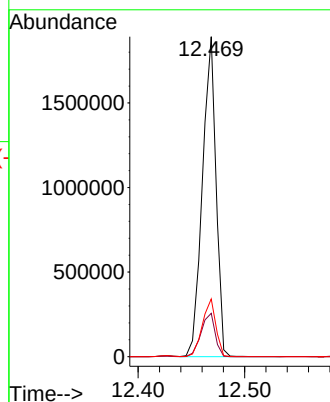
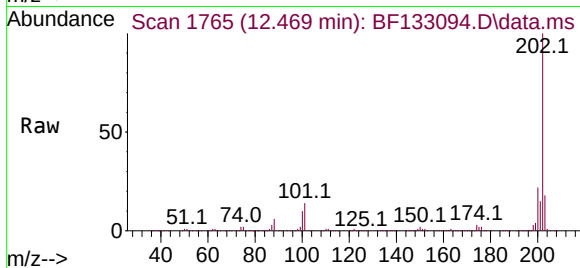
203 18.1 0.0 38.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

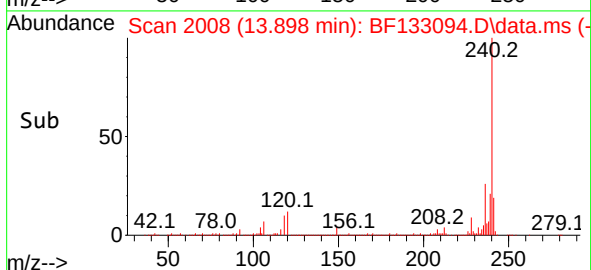
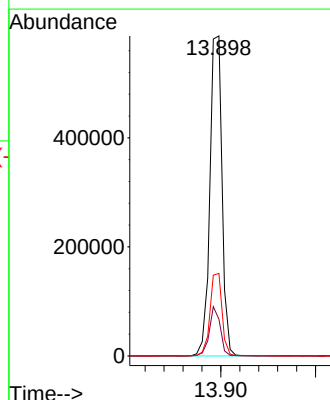
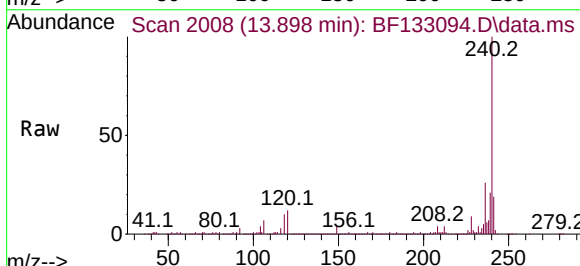
Tgt Ion:240 Resp: 522731

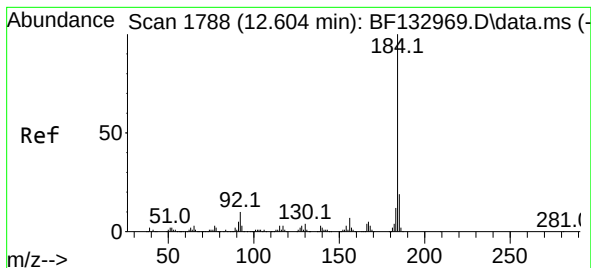
Ion Ratio Lower Upper

240 100

120 11.5 10.5 15.7

236 25.8 21.5 32.3





#77

Benzidine

Concen: 95.763 ng

RT: 12.592 min Scan# 1788

Delta R.T. 0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:184 Resp: 84651

Ion Ratio Lower Upper

184 100

185 14.5 15.4 23.2

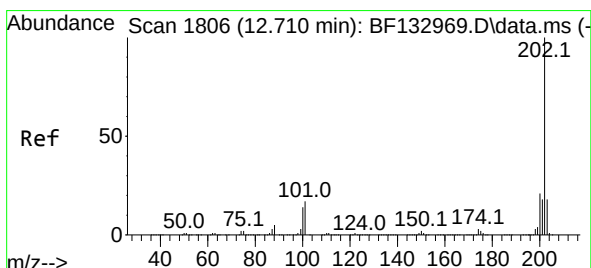
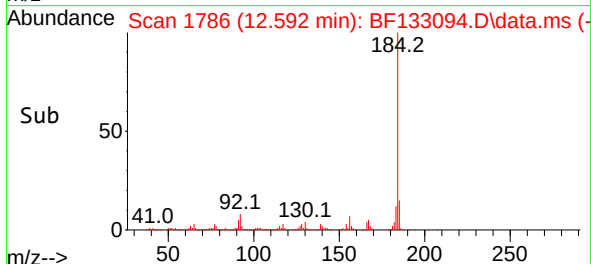
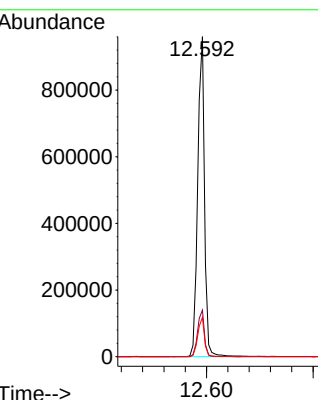
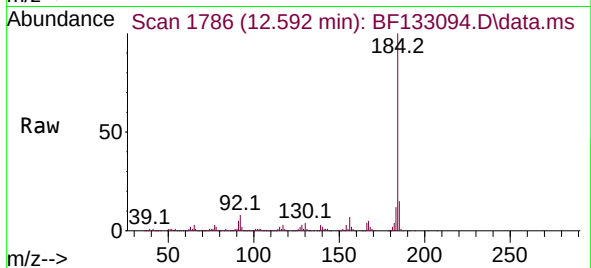
183 12.3 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#78

Pyrene

Concen: 39.103 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

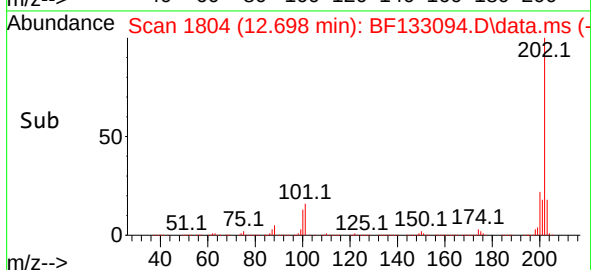
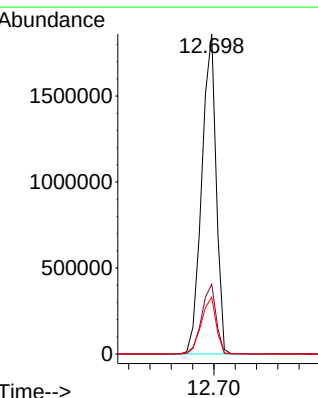
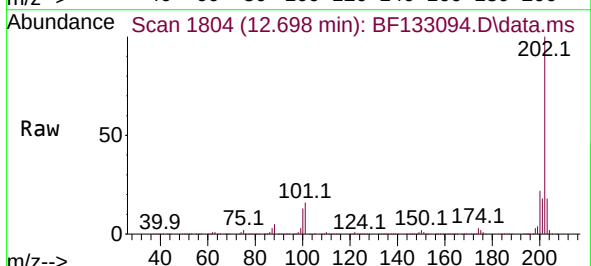
Tgt Ion:202 Resp: 1752191

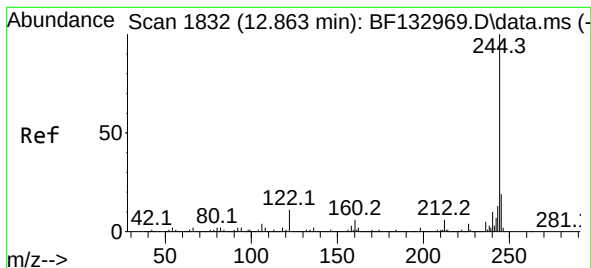
Ion Ratio Lower Upper

202 100

200 21.8 17.1 25.7

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 80.203 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF133094.D

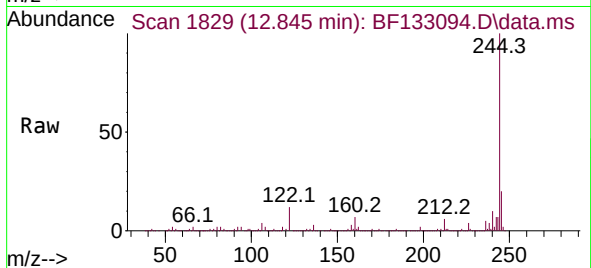
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS



Tgt Ion:244 Resp: 243086

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

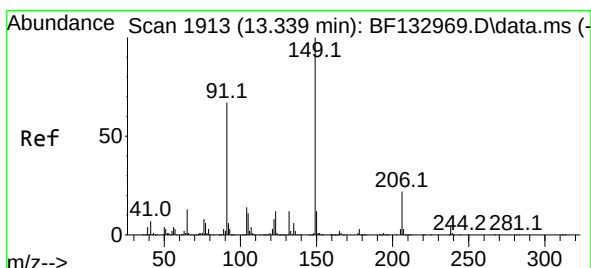
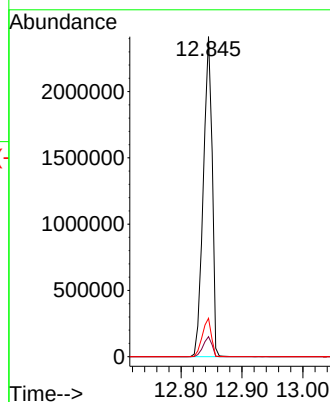
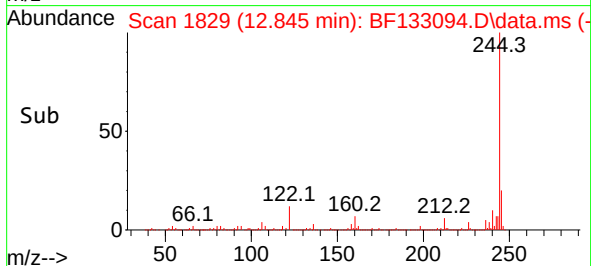
122 12.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#80

Butylbenzylphthalate

Concen: 46.870 ng

RT: 13.321 min Scan# 1910

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

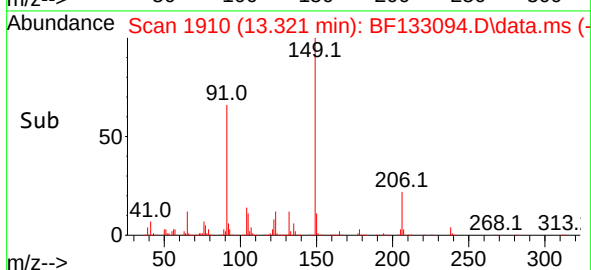
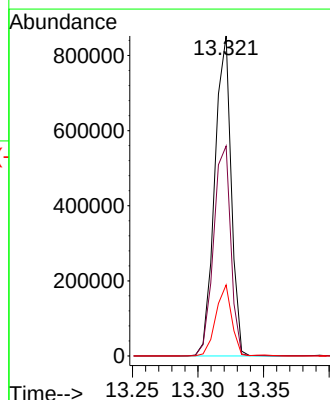
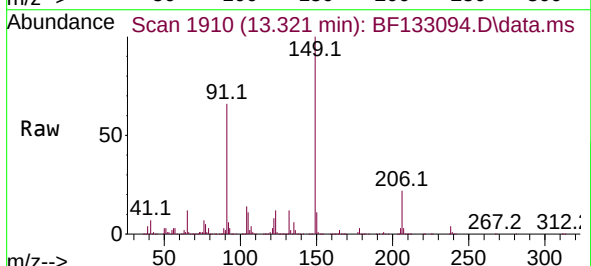
Tgt Ion:149 Resp: 743649

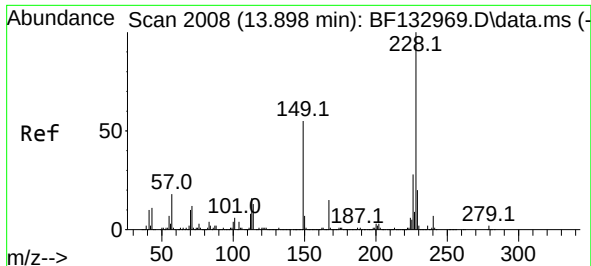
Ion Ratio Lower Upper

149 100

91 65.6 53.8 80.6

206 22.2 17.5 26.3





#81
Benzo(a)anthracene
Concen: 40.596 ng
RT: 13.886 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

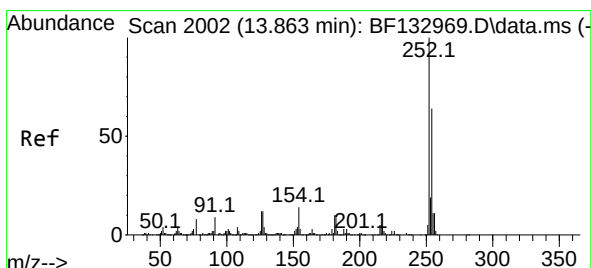
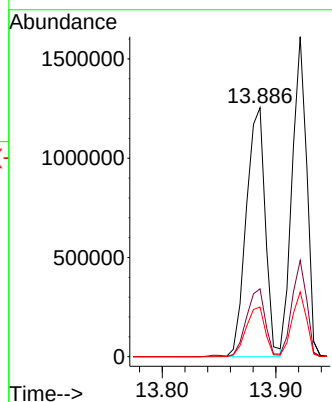
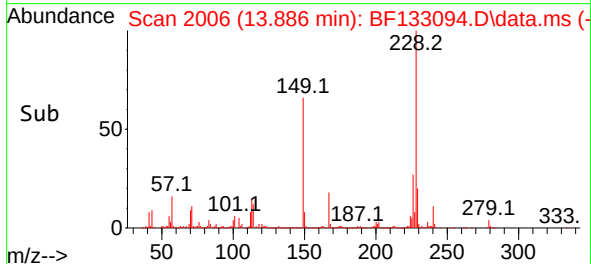
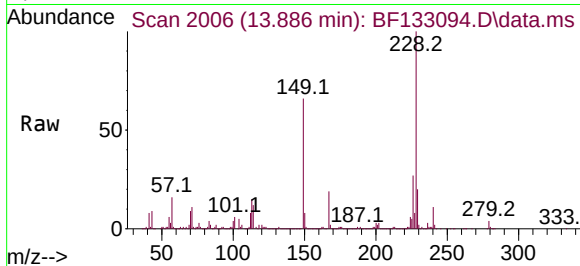
PB152410BS

Tgt Ion:228 Resp: 1459280
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.9 16.0 24.0

Manual Integrations

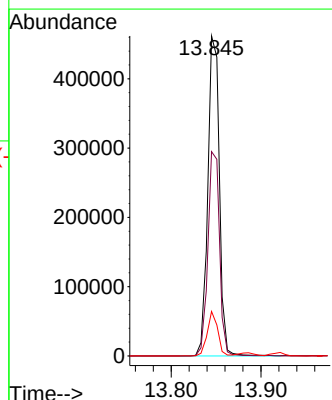
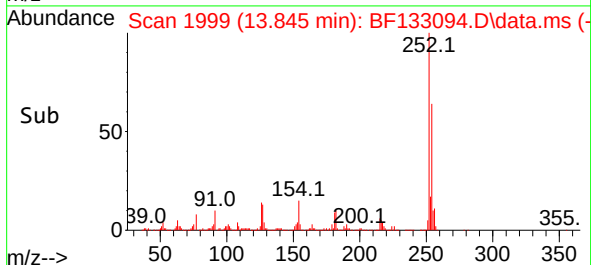
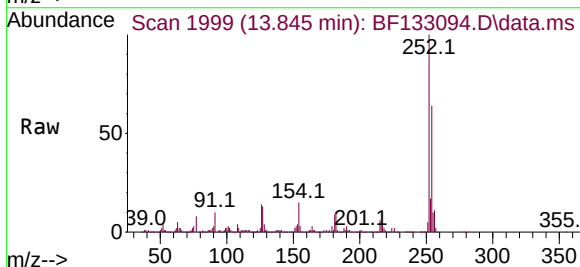
APPROVED

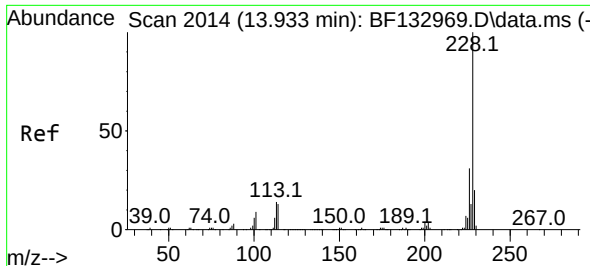
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#82
3,3'-Dichlorobenzidine
Concen: 41.609 ng
RT: 13.845 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

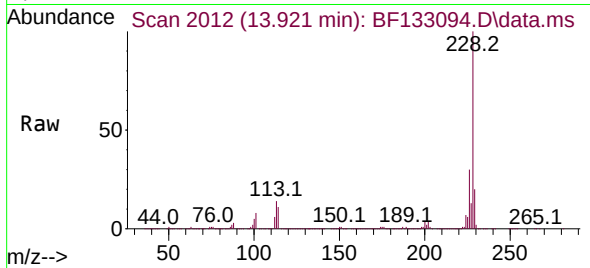
Tgt Ion:252 Resp: 413190
Ion Ratio Lower Upper
252 100
254 63.8 51.5 77.3
126 13.9 9.5 14.3





#83
Chrysene
Concen: 39.980 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

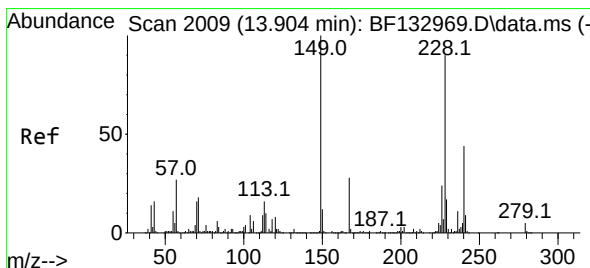
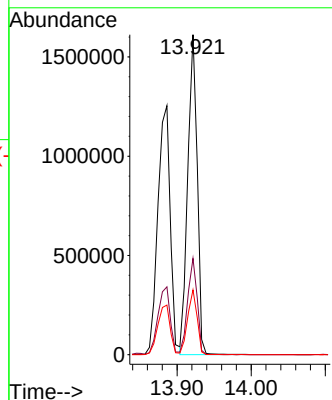
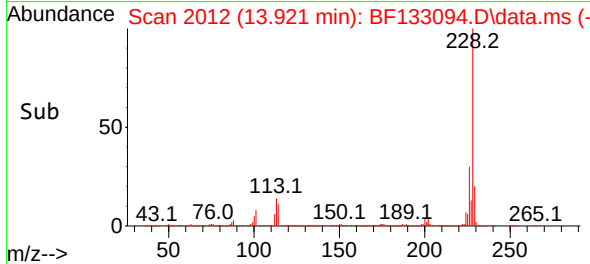
Instrument :
BNA_F
ClientSampleId :
PB152410BS



Tgt Ion:228 Resp: 1436785
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 20.3 16.1 24.1

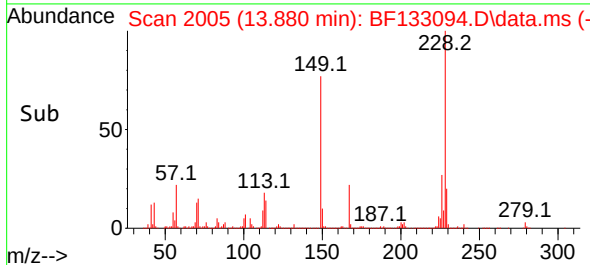
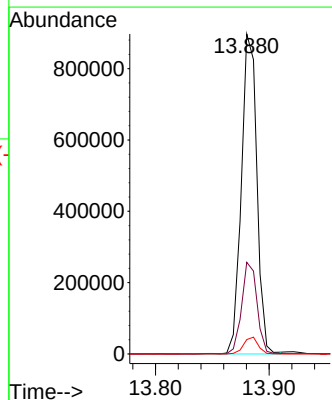
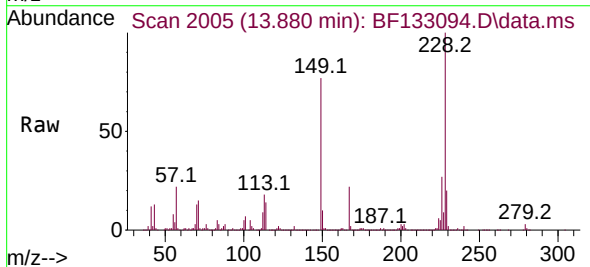
Manual Integrations
APPROVED

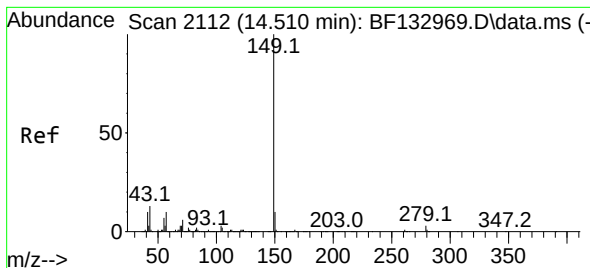
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.737 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:149 Resp: 851096
Ion Ratio Lower Upper
149 100
167 28.6 22.5 33.7
279 4.5 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 49.020 ng

RT: 14.492 min Scan# 2112

Delta R.T. -0.000 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

Tgt Ion:149 Resp: 159177

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

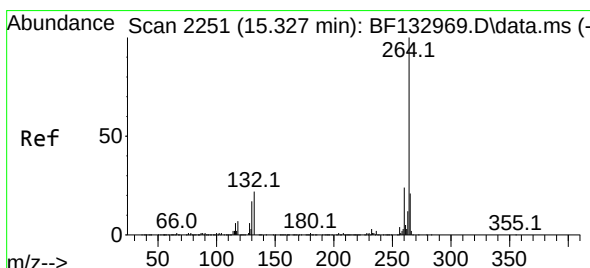
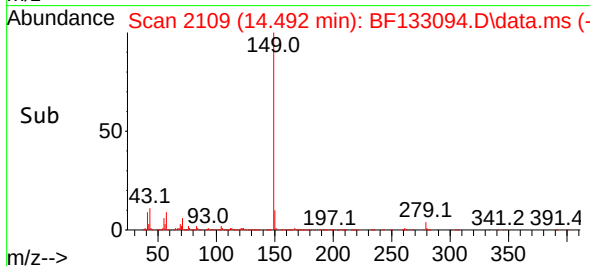
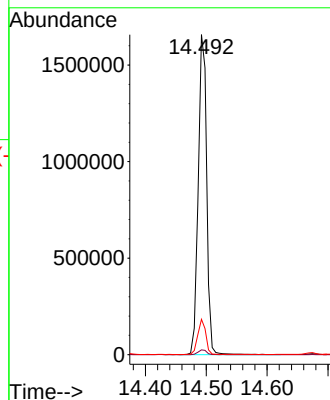
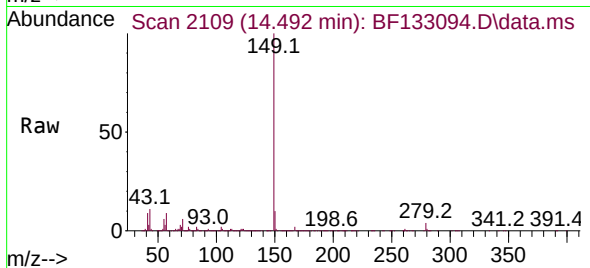
43 10.5 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023

Supervised By :Jagrut Upadhyay 04/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.310 min Scan# 2248

Delta R.T. -0.006 min

Lab File: BF133094.D

Acq: 27 Apr 2023 12:15

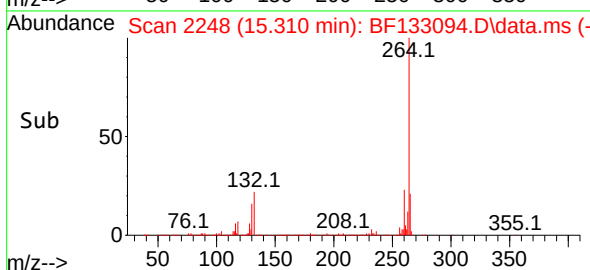
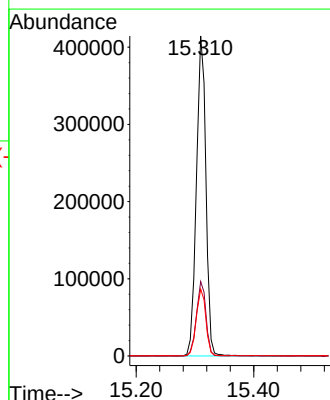
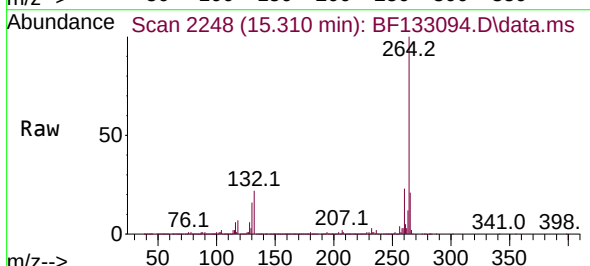
Tgt Ion:264 Resp: 466023

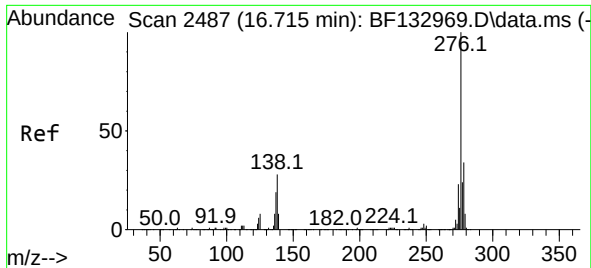
Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 20.9 17.0 25.4





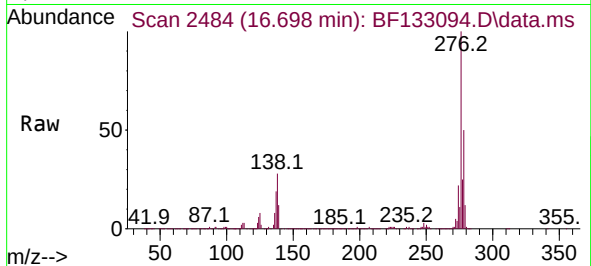
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.067 ng
RT: 16.698 min Scan# 2487
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

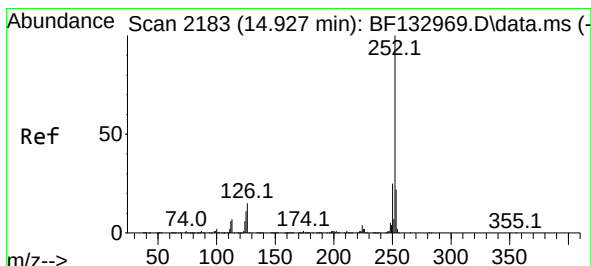
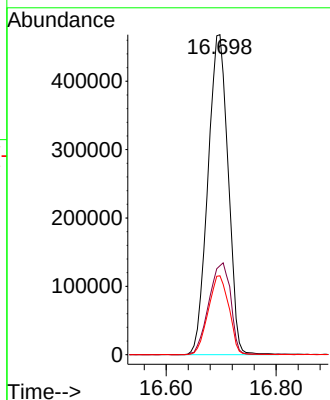
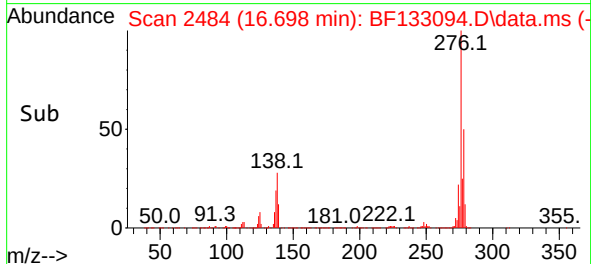


Tgt Ion:276 Resp: 119465
Ion Ratio Lower Upper
276 100
138 30.9 25.5 38.3
277 25.3 20.4 30.6

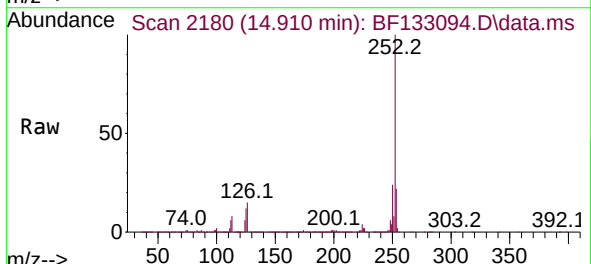
Manual Integrations

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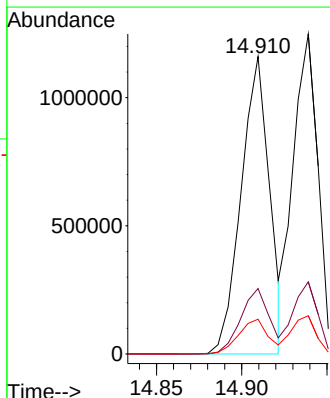
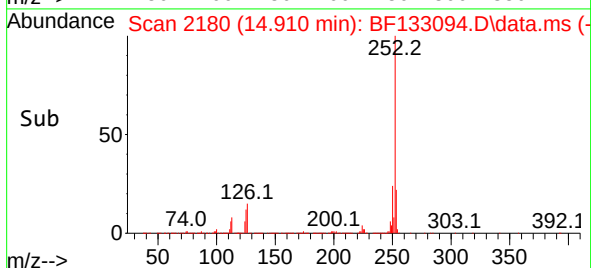
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023

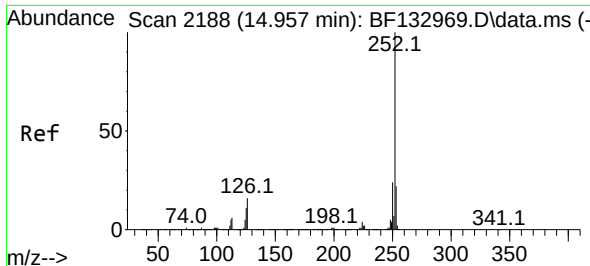


#88
Benzo(b)fluoranthene
Concen: 45.425 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:252 Resp: 1346760
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.7 8.9 13.3





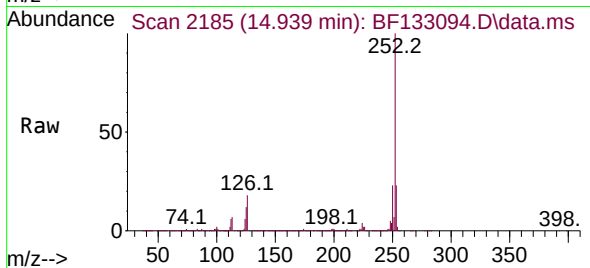
#89
Benzo(k)fluoranthene
Concen: 43.182 ng
RT: 14.939 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

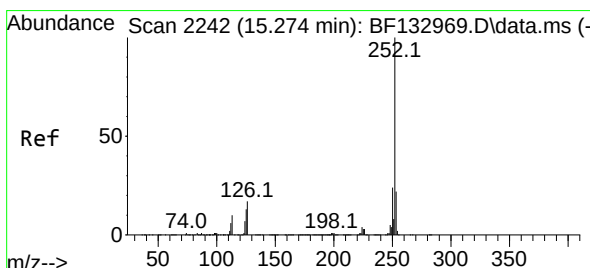
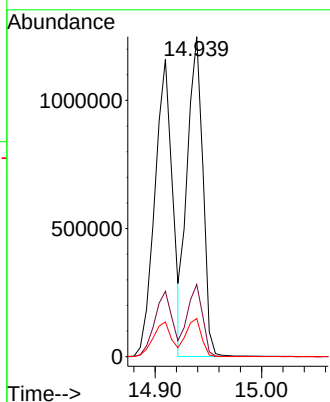
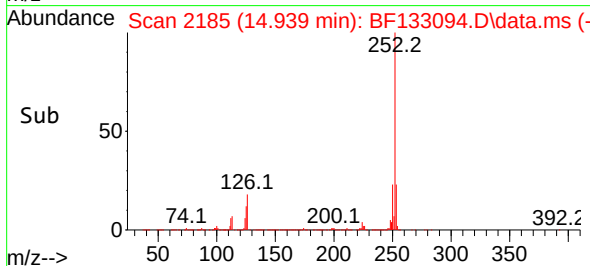


Tgt Ion:252 Resp: 1269089
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.9 9.0 13.4

Manual Integrations

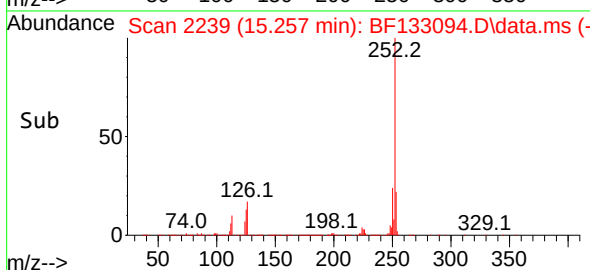
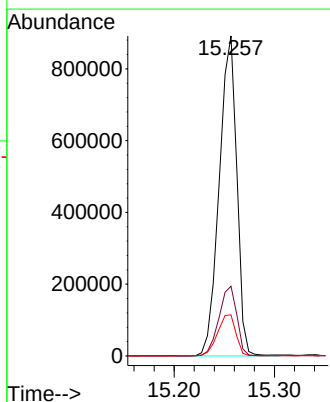
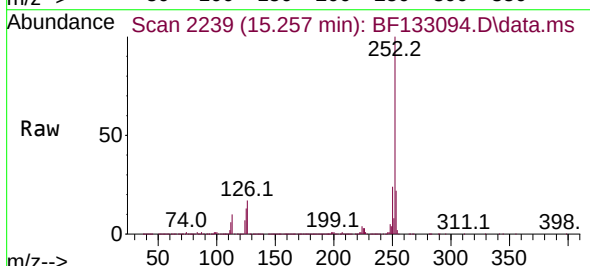
APPROVED

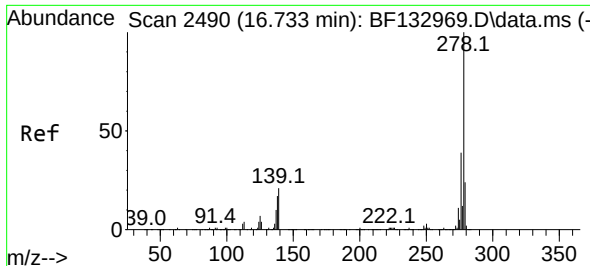
Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#90
Benzo(a)pyrene
Concen: 40.058 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Tgt Ion:252 Resp: 1080979
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 12.9 10.5 15.7





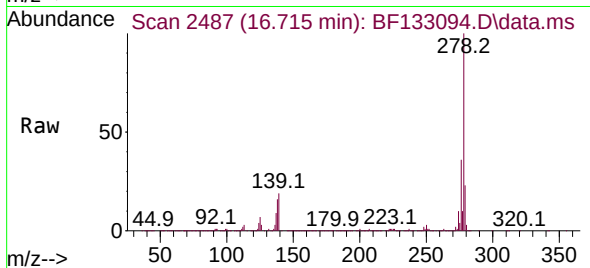
#91
Dibenzo(a,h)anthracene
Concen: 44.995 ng
RT: 16.715 min Scan# 2490
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15

Instrument :

BNA_F

ClientSampleId :

PB152410BS

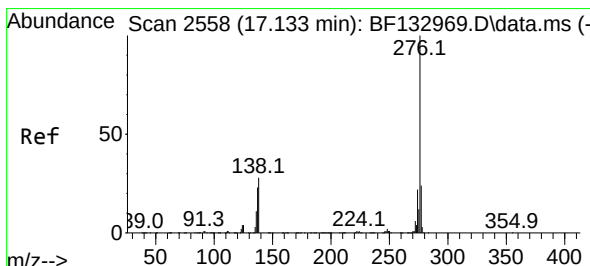
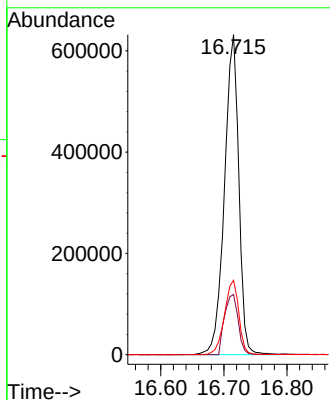
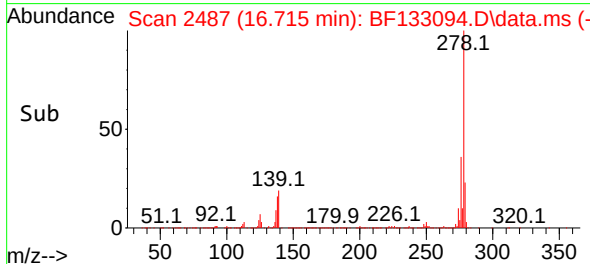


Tgt Ion:278 Resp: 994810
Ion Ratio Lower Upper
278 100
139 18.8 16.6 24.8
279 23.3 18.8 28.2

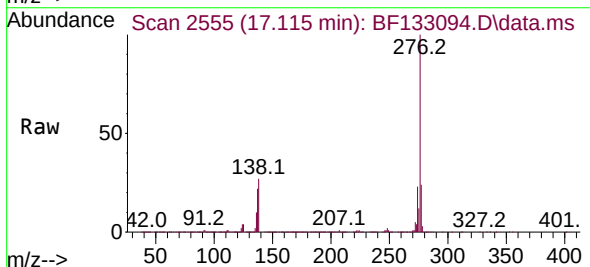
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/28/2023
Supervised By :Jagrut Upadhyay 04/28/2023



#92
Benzo(g,h,i)perylene
Concen: 45.790 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.000 min
Lab File: BF133094.D
Acq: 27 Apr 2023 12:15



Tgt Ion:276 Resp: 999480
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 27.3 22.7 34.1

