

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133192.D
 Acq On : 02 May 2023 16:50
 Operator : CG\JU
 Sample : 02568-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

Quant Time: May 03 06:19:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	204225	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	829590	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	438769	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	763864	20.000	ng	0.00
76) Chrysene-d12	13.886	240	383390	20.000	ng	0.00
86) Perylene-d12	15.304	264	395762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1405515	103.963	ng	0.01
7) Phenol-d6	6.381	99	1706390	101.690	ng	0.00
23) Nitrobenzene-d5	7.298	82	1052420	68.475	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	436316	98.878	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1816192	69.250	ng	0.00
79) Terphenyl-d14	12.839	244	1841110	82.822	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	278056	44.342	ng	97
3) Pyridine	3.169	79	695776	41.775	ng	97
4) n-Nitrosodimethylamine	3.134	42	383974	44.509	ng	95
6) Aniline	6.392	93	760504	35.188	ng	# 23
8) 2-Chlorophenol	6.516	128	681151	49.623	ng	98
9) Benzaldehyde	6.275	77	379572	56.146	ng	97
10) Phenol	6.392	94	815486	44.052	ng	76
11) bis(2-Chloroethyl)ether	6.469	93	645583	46.473	ng	99
12) 1,3-Dichlorobenzene	6.675	146	717685	49.177	ng	97
13) 1,4-Dichlorobenzene	6.751	146	716608	48.995	ng	97
14) 1,2-Dichlorobenzene	6.904	146	690582	51.213	ng	99
15) Benzyl Alcohol	6.881	79	579138	49.963	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.016	45	1061418	43.992	ng	96
17) 2-Methylphenol	6.998	107	557469	44.352	ng	98
18) Hexachloroethane	7.245	117	252394	49.634	ng	99
19) n-Nitroso-di-n-propyla...	7.157	70	442567	42.364	ng	94
20) 3+4-Methylphenols	7.151	107	668544	45.165	ng	# 85
22) Acetophenone	7.145	105	906623	47.178	ng	97
24) Nitrobenzene	7.316	77	696428	44.717	ng	98
25) Isophorone	7.557	82	1324660	45.394	ng	98
26) 2-Nitrophenol	7.633	139	383599	51.066	ng	97
27) 2,4-Dimethylphenol	7.681	122	611898	47.505	ng	99
28) bis(2-Chloroethoxy)met...	7.769	93	797347	46.188	ng	99
29) 2,4-Dichlorophenol	7.880	162	568224	48.458	ng	99
30) 1,2,4-Trichlorobenzene	7.957	180	580585	47.793	ng	100
31) Naphthalene	8.039	128	1905606	45.944	ng	98
32) Benzoic acid	7.816	122	487663m	61.292	ng	
33) 4-Chloroaniline	8.086	127	305287	18.217	ng	99
34) Hexachlorobutadiene	8.157	225	317118	47.099	ng	98
35) Caprolactam	8.469	113	210592m	53.461	ng	
36) 4-Chloro-3-methylphenol	8.580	107	621806	49.174	ng	96
37) 2-Methylnaphthalene	8.728	142	1268119	44.720	ng	99
38) 1-Methylnaphthalene	8.828	142	1203718	45.377	ng	100
40) 1,2,4,5-Tetrachloroben...	8.898	216	524153	44.430	ng	99
41) Hexachlorocyclopentadiene	8.886	237	620522	90.189	ng	98
43) 2,4,6-Trichlorophenol	9.010	196	388722	47.646	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.051	196	420249	44.538	ng	99
46) 1,1'-Biphenyl	9.192	154	1575424	45.281	ng	99
47) 2-Chloronaphthalene	9.216	162	1180787	46.368	ng	98
48) 2-Nitroaniline	9.316	65	383976	45.623	ng	96
49) Acenaphthylene	9.633	152	1815924	44.628	ng	99
50) Dimethylphthalate	9.498	163	1420798	46.440	ng	100
51) 2,6-Dinitrotoluene	9.557	165	339679	49.329	ng	95
52) Acenaphthene	9.804	154	1369624m	50.257	ng	
53) 3-Nitroaniline	9.727	138	275266	33.620	ng	97
54) 2,4-Dinitrophenol	9.833	184	383928	110.922	ng	96
55) Dibenzofuran	9.980	168	1650782	44.406	ng	100
56) 4-Nitrophenol	9.898	139	597910	94.286	ng	92
57) 2,4-Dinitrotoluene	9.963	165	433572	49.373	ng	94
58) Fluorene	10.322	166	1216872	44.679	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.098	232	344571	47.104	ng	98
60) Diethylphthalate	10.198	149	1319993	45.677	ng	100
61) 4-Chlorophenyl-phenyle...	10.310	204	586057	44.155	ng	96
62) 4-Nitroaniline	10.345	138	369135	49.053	ng	98
63) Azobenzene	10.474	77	1536757	50.199	ng	96
65) 4,6-Dinitro-2-methylph...	10.374	198	255655	55.218	ng	99
66) n-Nitrosodiphenylamine	10.433	169	1117089	45.084	ng	100
67) 4-Bromophenyl-phenylether	10.798	248	380000	45.869	ng	94
68) Hexachlorobenzene	10.869	284	409655	48.257	ng	98
69) Atrazine	10.963	200	387586	54.287	ng	98
70) Pentachlorophenol	11.063	266	473187	78.266	ng	97
71) Phenanthrene	11.280	178	1994230	48.574	ng	99
72) Anthracene	11.333	178	1921159	45.725	ng	100
73) Carbazole	11.486	167	1715838	45.863	ng	99
74) Di-n-butylphthalate	11.821	149	2078180	49.086	ng	99
75) Fluoranthene	12.463	202	2071940	50.285	ng	100
77) Benzidine	12.586	184	798562	123.172	ng	# 93
78) Pyrene	12.692	202	2032002	61.828	ng	99
80) Butylbenzylphthalate	13.315	149	769131	66.095	ng	98
81) Benzo(a)anthracene	13.874	228	1295974	49.156	ng	99
82) 3,3'-Dichlorobenzidine	13.839	252	339090	46.558	ng	# 99
83) Chrysene	13.915	228	1305991	49.548	ng	100
84) Bis(2-ethylhexyl)phtha...	13.874	149	860521	58.914	ng	# 99
85) Di-n-octyl phthalate	14.486	149	1409019	59.162	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1454566	64.614	ng	99
88) Benzo(b)fluoranthene	14.904	252	1257099	49.929	ng	99
89) Benzo(k)fluoranthene	14.933	252	1142545	45.778	ng	99
90) Benzo(a)pyrene	15.251	252	1100498	48.021	ng	99
91) Dibenzo(a,h)anthracene	16.709	278	1175453	62.604	ng	99
92) Benzo(g,h,i)perylene	17.115	276	1196324	64.538	ng	98

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

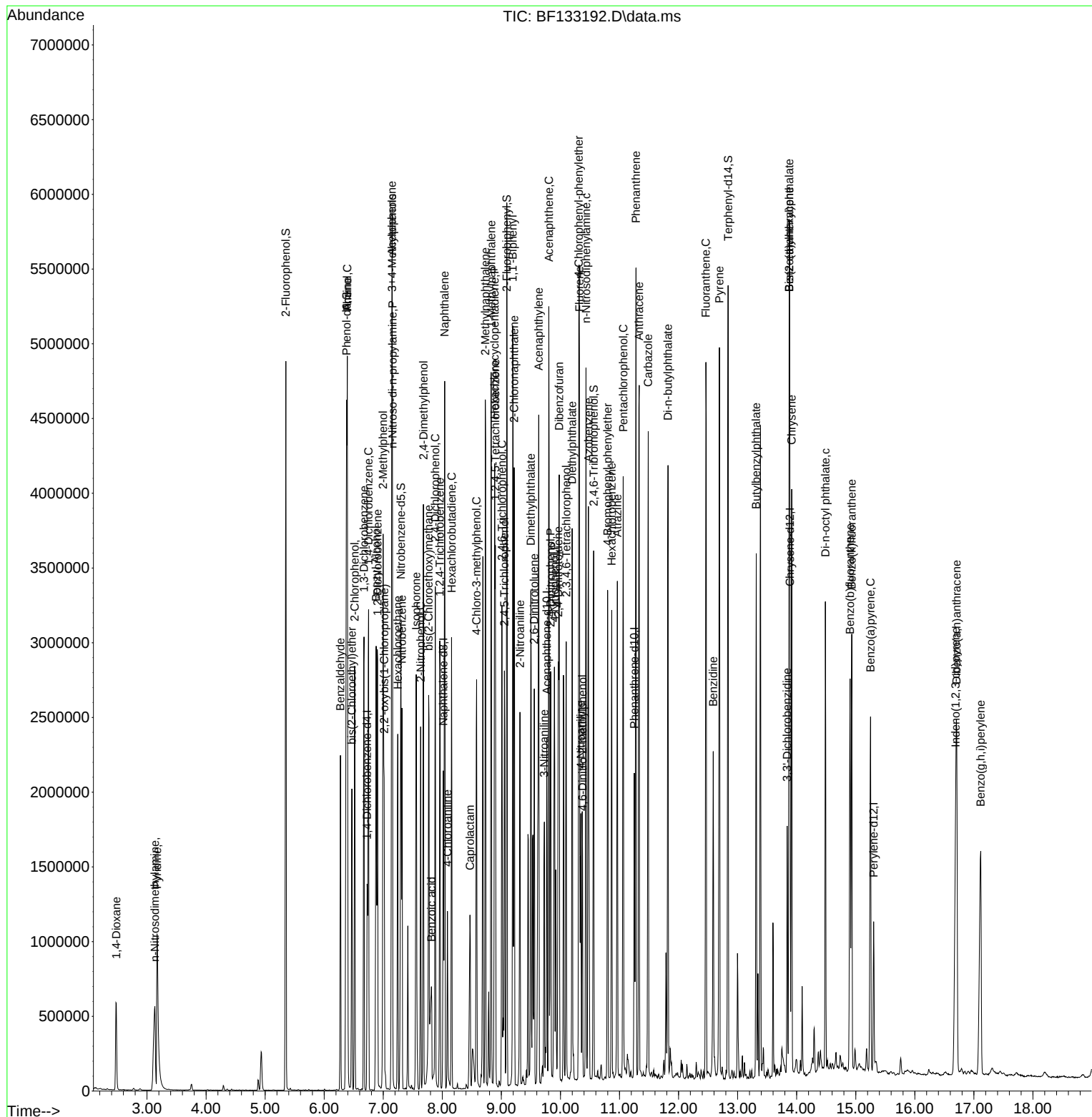
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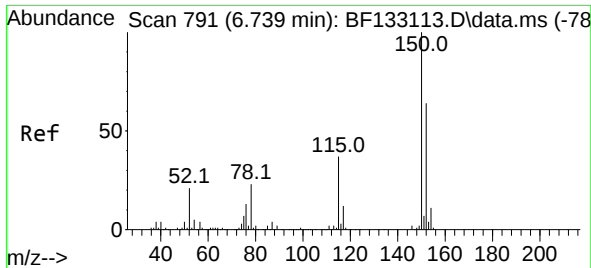
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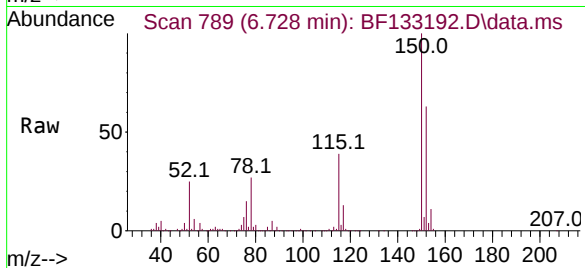
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

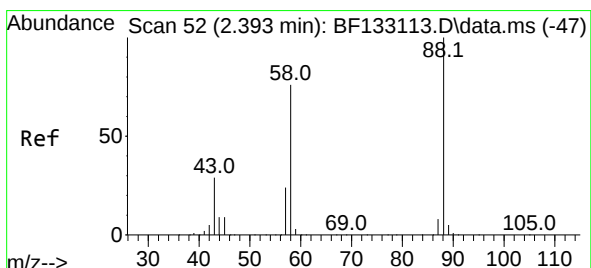
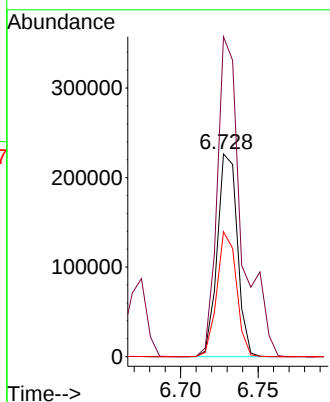
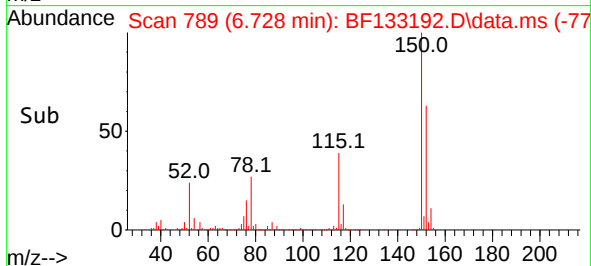


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Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 61.6 49.9 74.9

Manual Integrations

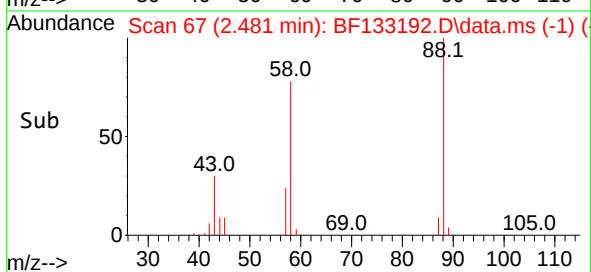
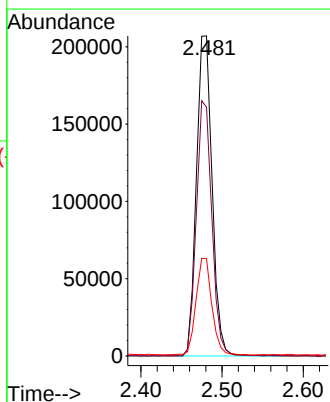
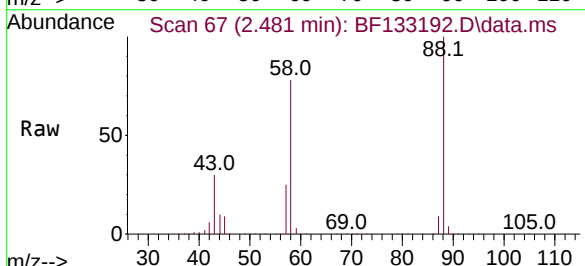
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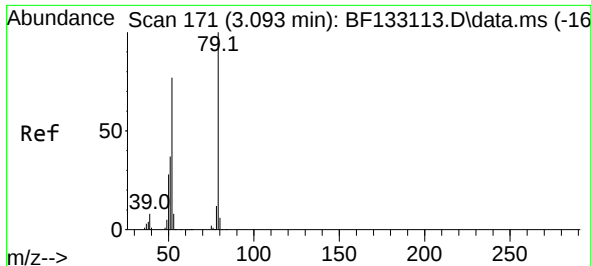
Reviewed By :Christian Giraldo 05/03/2023
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#2
1,4-Dioxane
Concen: 44.342 ng
RT: 2.481 min Scan# 67
Delta R.T. 0.100 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

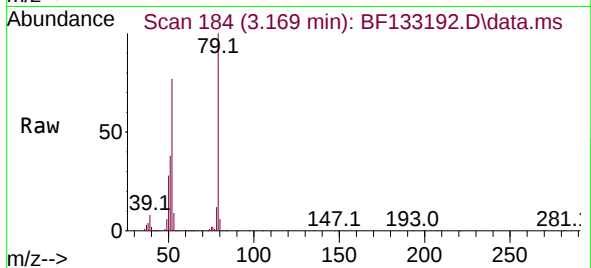
Tgt Ion: 88 Resp: 278056
Ion Ratio Lower Upper
88 100
58 78.7 64.7 97.1
43 30.6 26.2 39.2





#3
Pyridine
Concen: 41.775 ng
RT: 3.169 min Scan# 171
Delta R.T. 0.088 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

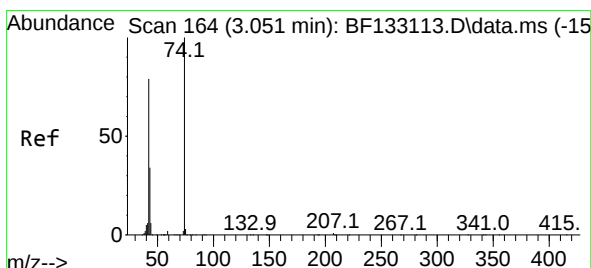
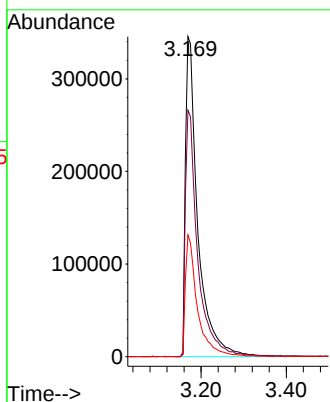
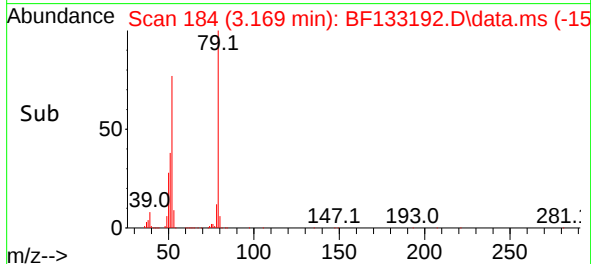
Instrument :
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ClientSampleId :
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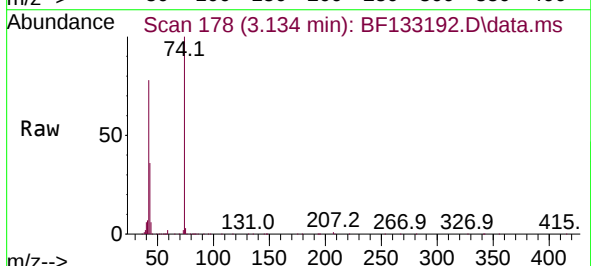
Tgt Ion: 79 Resp: 695770
Ion Ratio Lower Upper
79 100
52 77.0 64.6 96.8
51 38.0 30.0 45.0

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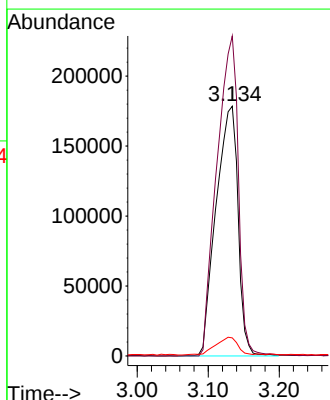
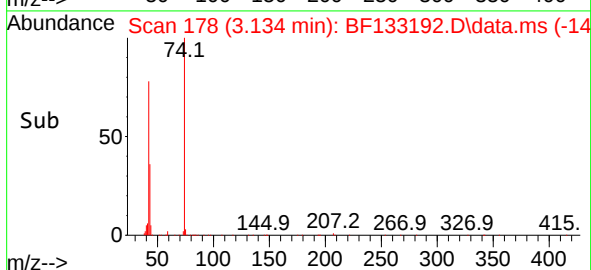
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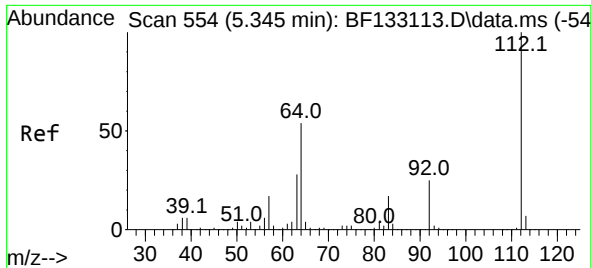


#4
n-Nitrosodimethylamine
Concen: 44.509 ng
RT: 3.134 min Scan# 178
Delta R.T. 0.094 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion: 42 Resp: 383974
Ion Ratio Lower Upper
42 100
74 128.1 98.0 147.0
44 7.2 5.8 8.8





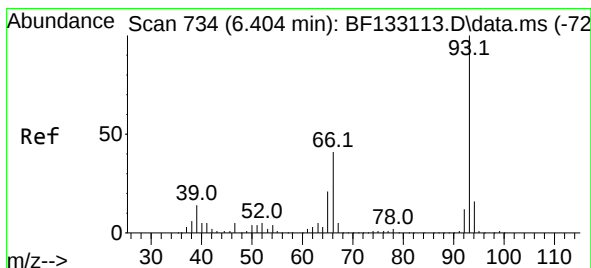
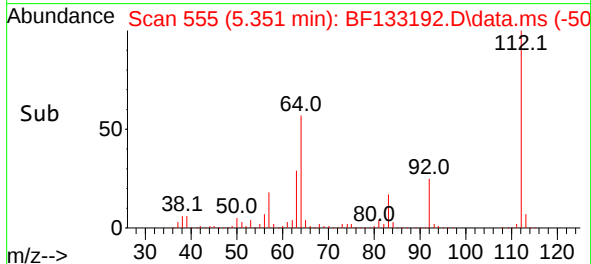
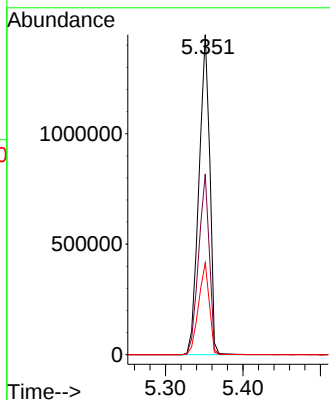
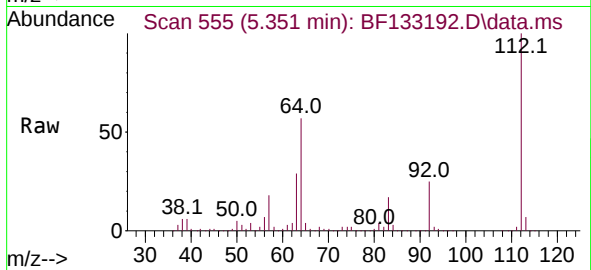
#5
2-Fluorophenol
Concen: 103.963 ng
RT: 5.351 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :
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ClientSampleId :
72-11938MSD

Tgt Ion:112 Resp: 1405511
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 28.7 23.8 35.8

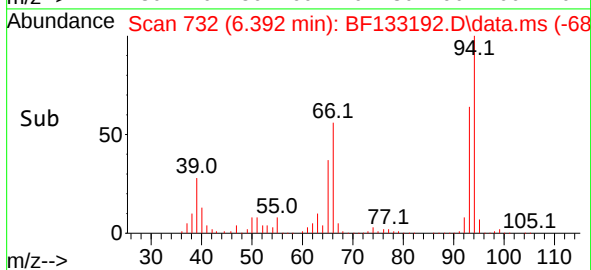
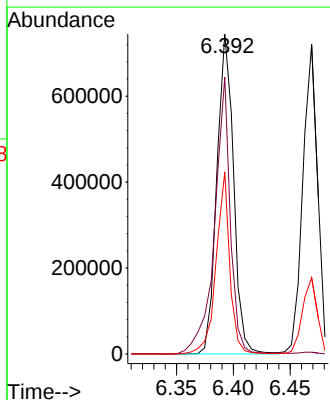
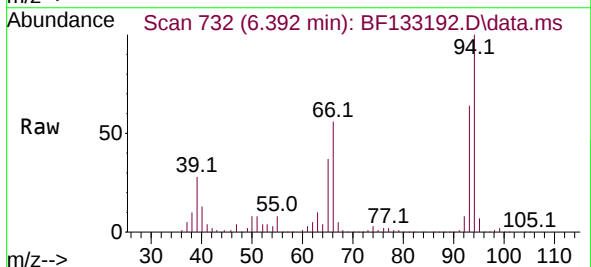
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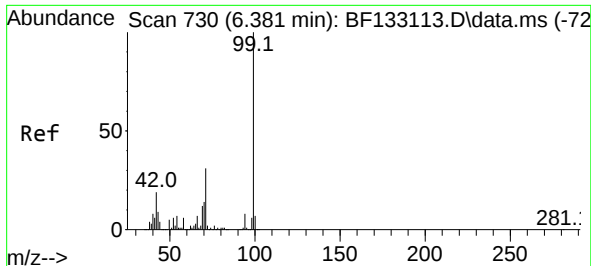
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#6
Aniline
Concen: 35.188 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

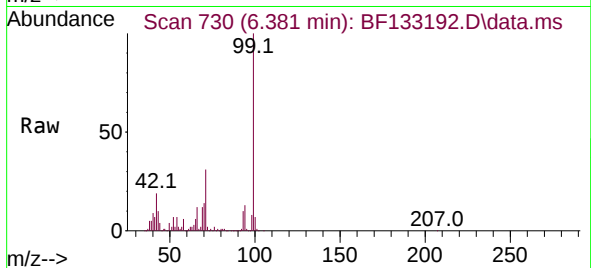
Tgt Ion: 93 Resp: 760504
Ion Ratio Lower Upper
93 100
66 86.5 31.5 47.3#
65 56.9 16.4 24.6#





#7
Phenol-d6
Concen: 101.690 ng
RT: 6.381 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF133192.D
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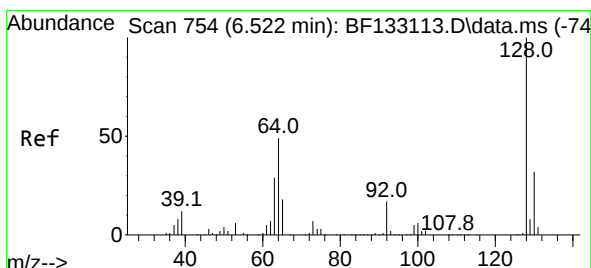
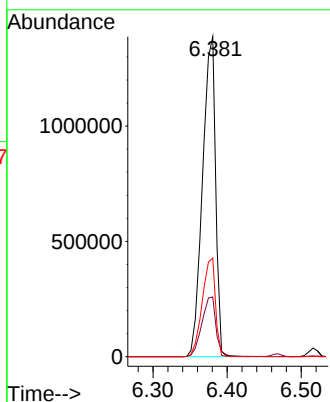
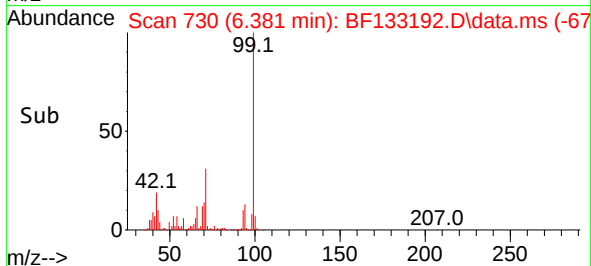
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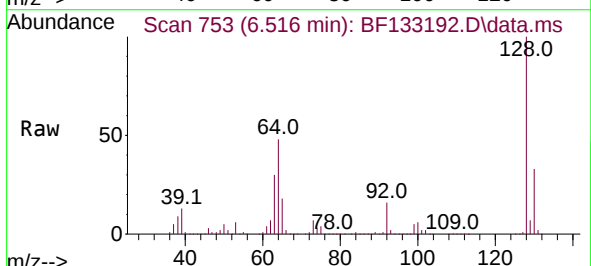
Tgt Ion: 99 Resp: 1706390
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 30.8 25.6 38.4

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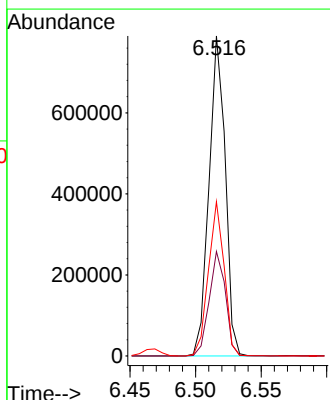
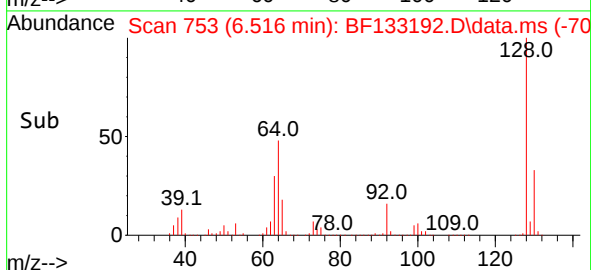
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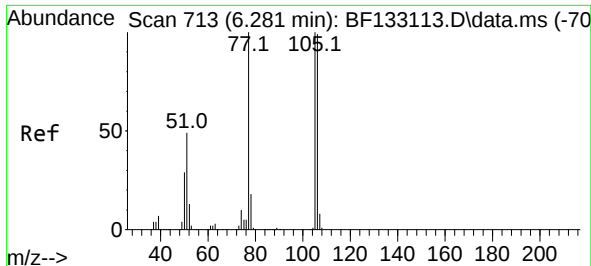


#8
2-Chlorophenol
Concen: 49.623 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



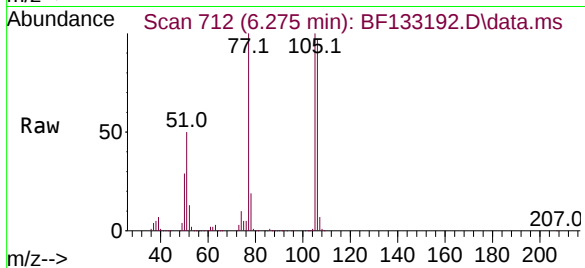
Tgt Ion:128 Resp: 681151
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 48.2 30.3 70.3





#9
Benzaldehyde
Concen: 56.146 ng
RT: 6.275 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF133192.D
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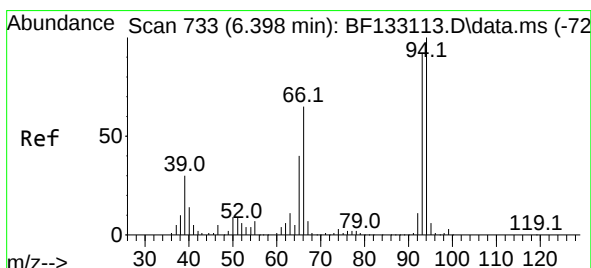
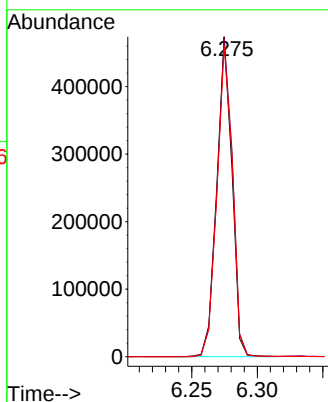
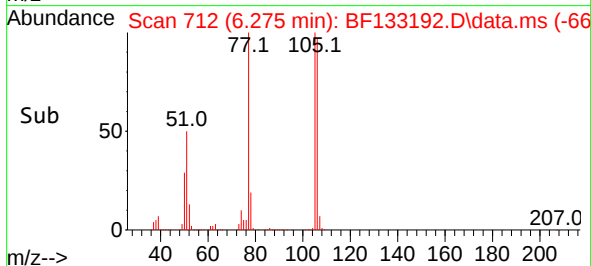
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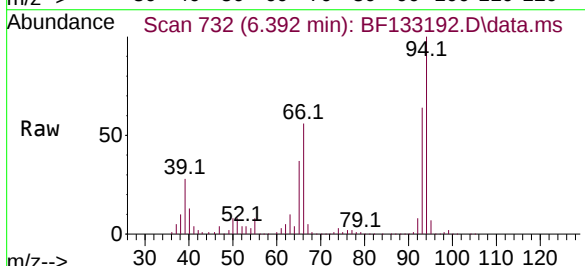
Tgt Ion: 77 Resp: 379572
Ion Ratio Lower Upper
77 100
105 99.8 82.3 122.3
106 97.1 80.8 120.8

Manual Integrations
APPROVED

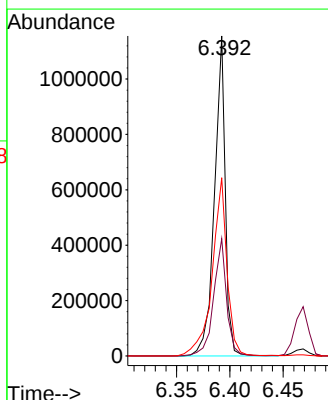
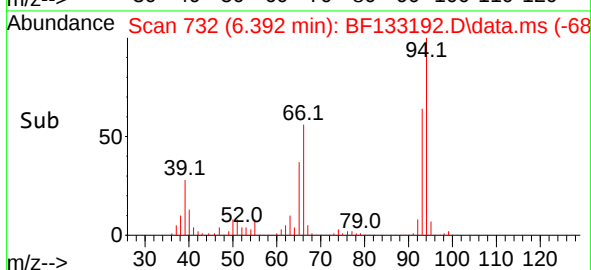
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

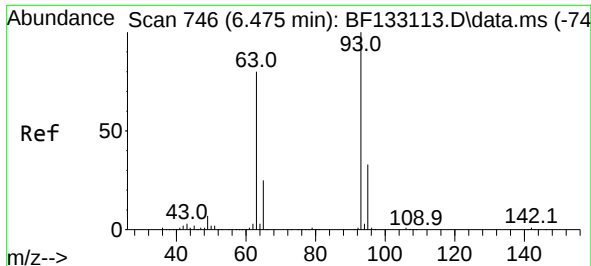


#10
Phenol
Concen: 44.052 ng
RT: 6.392 min Scan# 732
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion: 94 Resp: 815486
Ion Ratio Lower Upper
94 100
65 36.7 8.6 48.6
66 55.7 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 46.473 ng

RT: 6.469 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion: 93 Resp: 64558

Ion Ratio Lower Upper

93 100

63 79.0 60.6 100.6

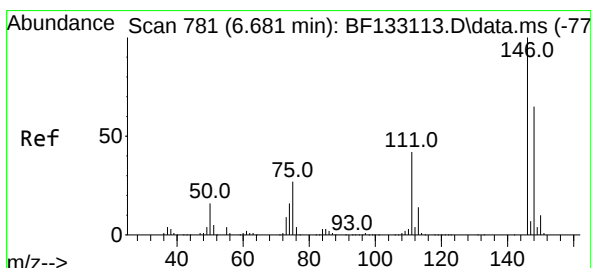
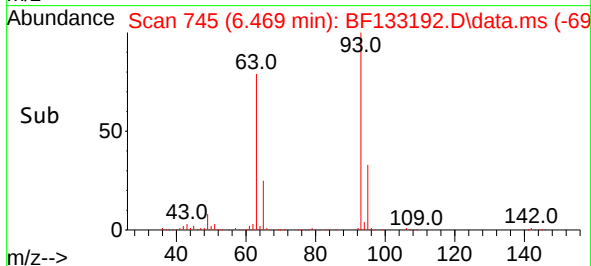
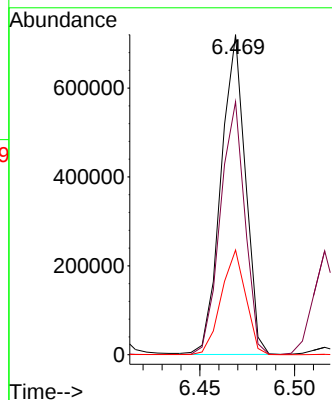
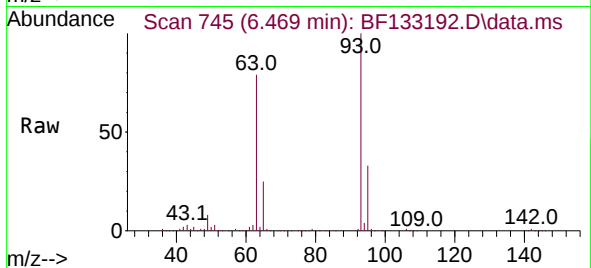
95 32.7 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#12

1,3-Dichlorobenzene

Concen: 49.177 ng

RT: 6.675 min Scan# 780

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

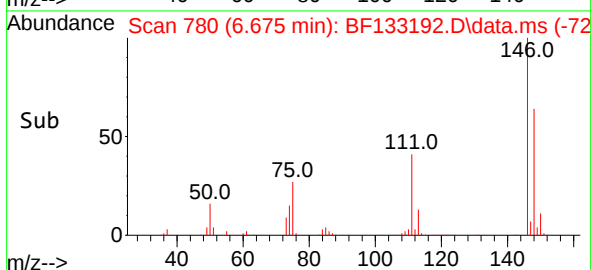
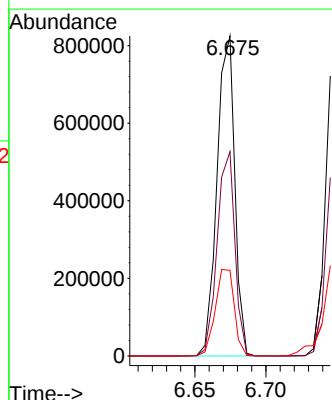
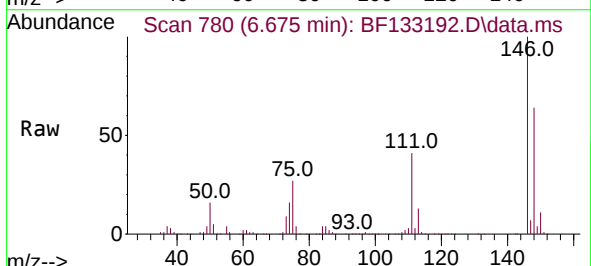
Tgt Ion:146 Resp: 717685

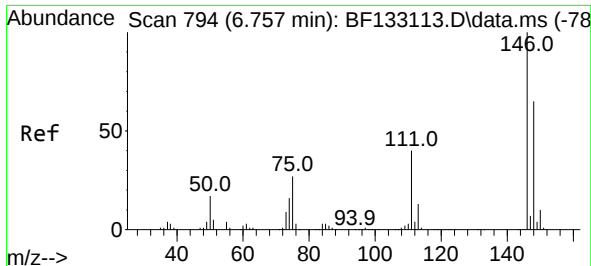
Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.4

75 26.8 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 48.995 ng

RT: 6.751 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:146 Resp: 716608

Ion Ratio Lower Upper

146 100

148 64.0 50.3 75.5

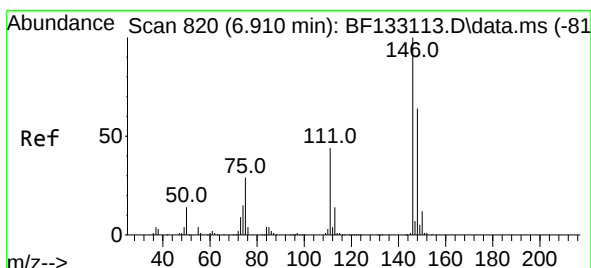
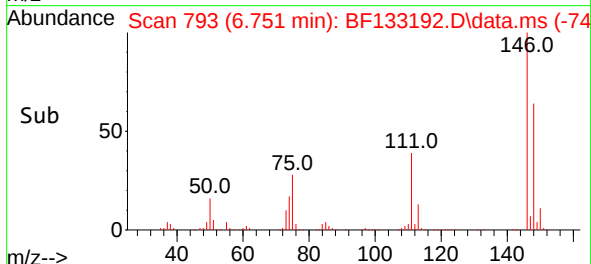
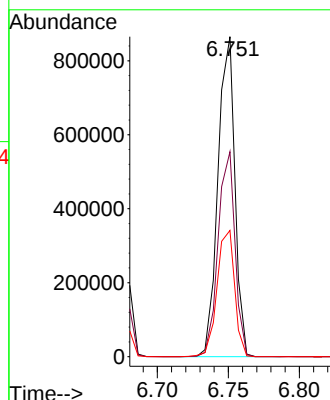
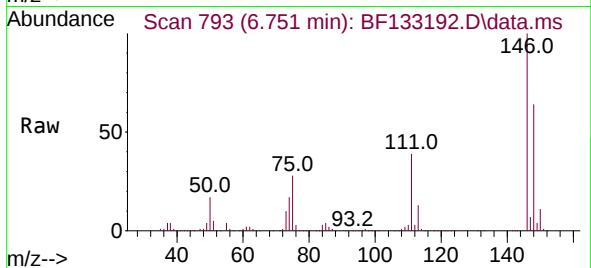
111 39.4 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#14

1,2-Dichlorobenzene

Concen: 51.213 ng

RT: 6.904 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

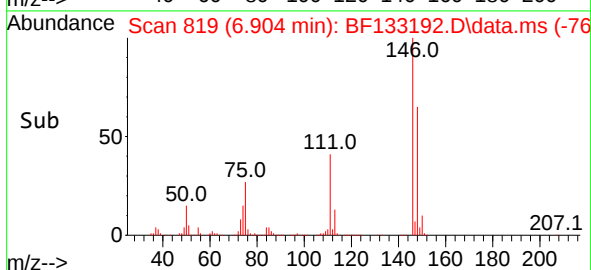
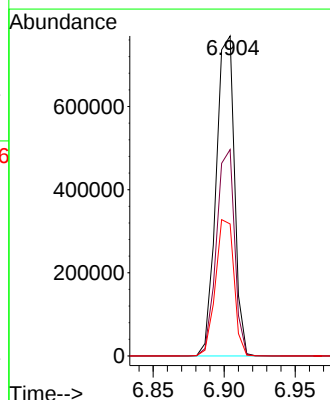
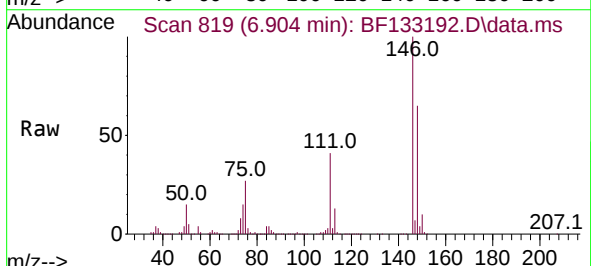
Tgt Ion:146 Resp: 690582

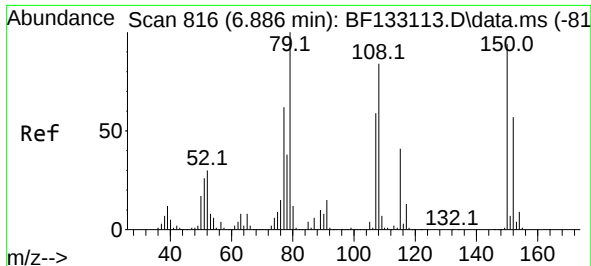
Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

111 41.2 32.8 49.2





#15
Benzyl Alcohol
Concen: 49.963 ng
RT: 6.881 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

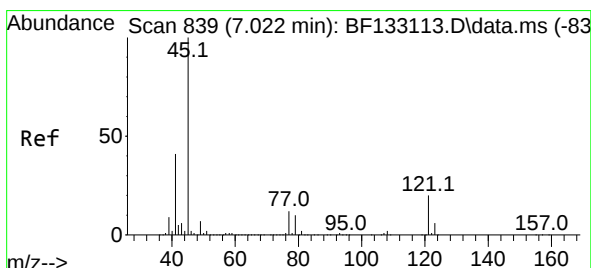
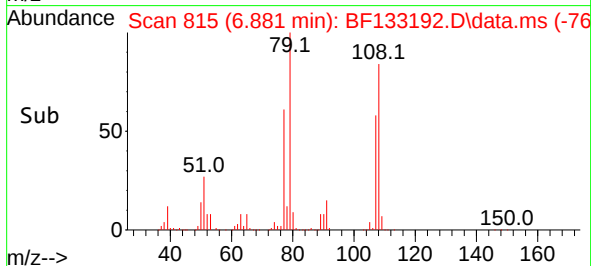
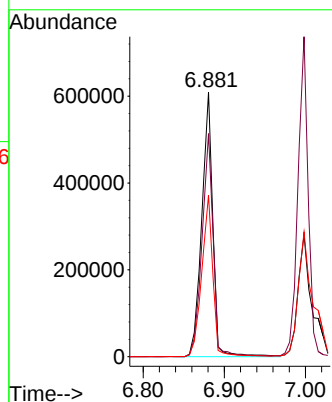
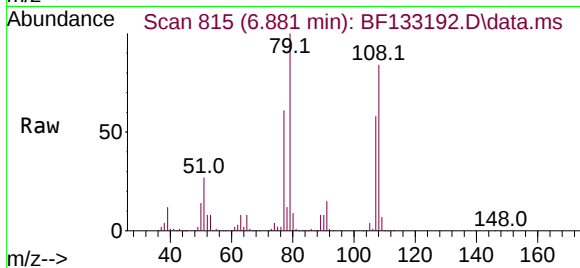
ClientSampleId :

72-11938MSD

Tgt Ion: 79 Resp: 579138
Ion Ratio Lower Upper
79 100
108 84.3 66.6 99.8
77 61.1 49.2 73.8

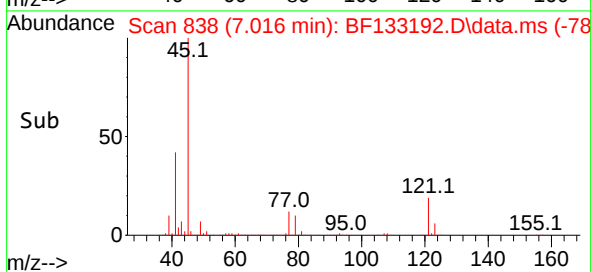
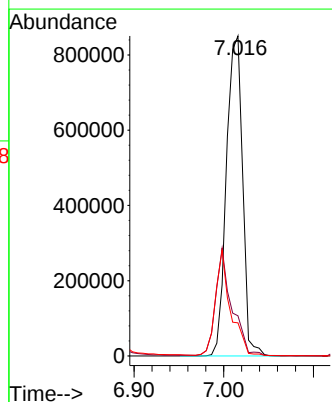
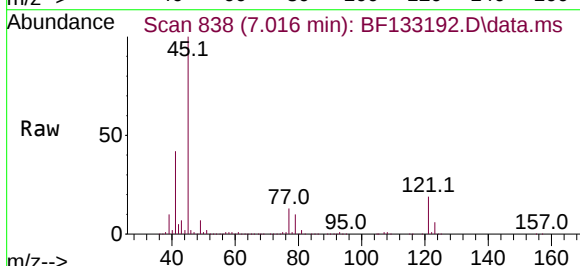
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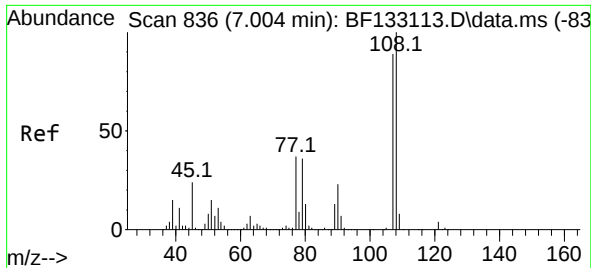
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.992 ng
RT: 7.016 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

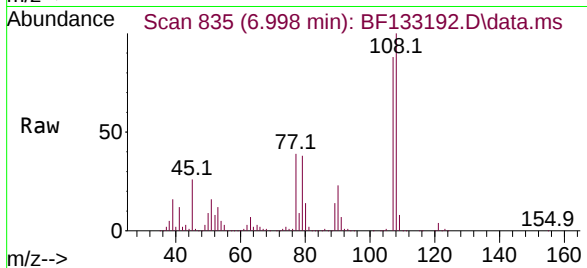
Tgt Ion: 45 Resp: 1061418
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.5
79 10.3 0.0 28.7





#17
2-Methylphenol
Concen: 44.352 ng
RT: 6.998 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

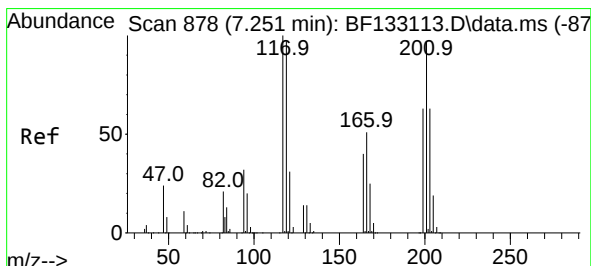
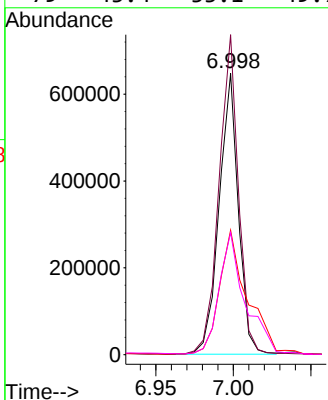
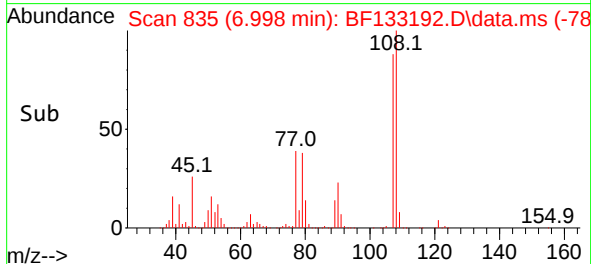
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:107 Resp: 557469
Ion Ratio Lower Upper
107 100
108 113.7 92.4 138.6
77 44.2 33.8 50.8
79 43.4 33.1 49.7

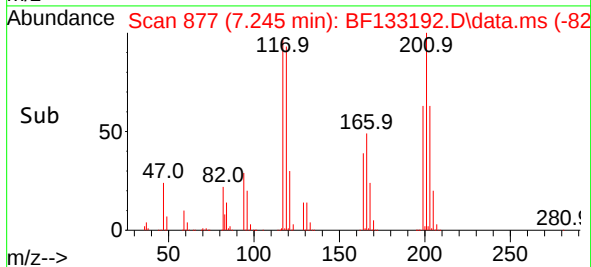
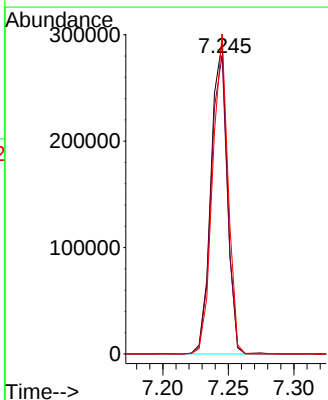
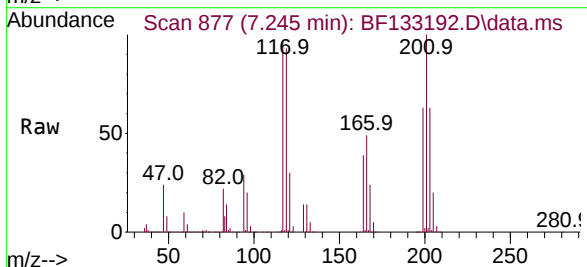
Manual Integrations
APPROVED

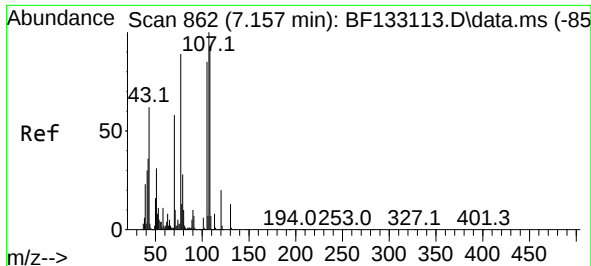
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#18
Hexachloroethane
Concen: 49.634 ng
RT: 7.245 min Scan# 877
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:117 Resp: 252394
Ion Ratio Lower Upper
117 100
119 95.8 78.2 117.4
201 102.6 81.7 122.5





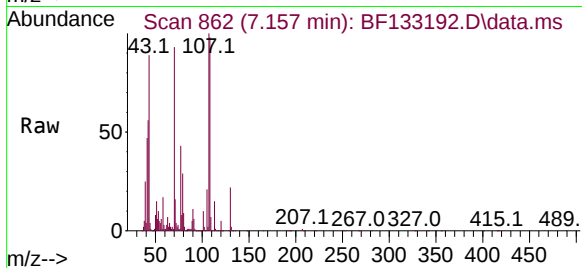
#19
n-Nitroso-di-n-propylamine
Concen: 42.364 ng
RT: 7.157 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

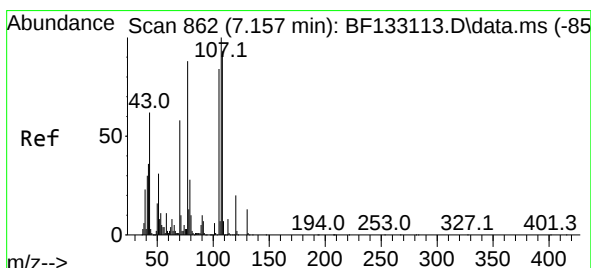
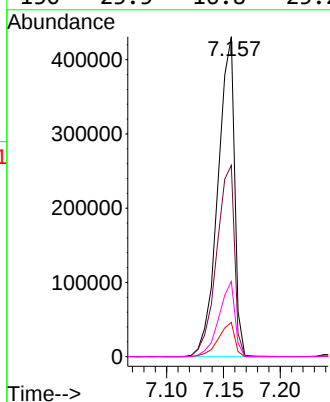
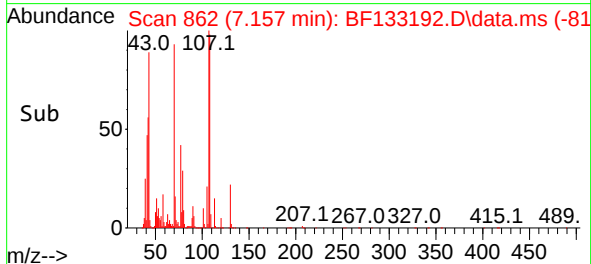


Tgt Ion: 70 Resp: 44256
Ion Ratio Lower Upper
70 100
42 59.8 51.8 77.6
101 10.7 8.0 12.0
130 23.5 16.8 25.2

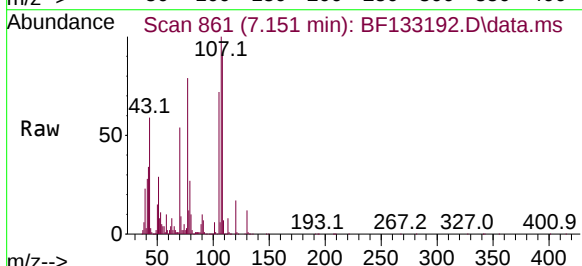
Manual Integrations

APPROVED

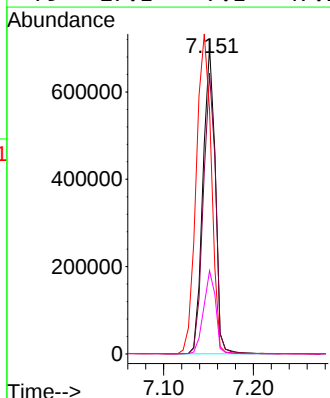
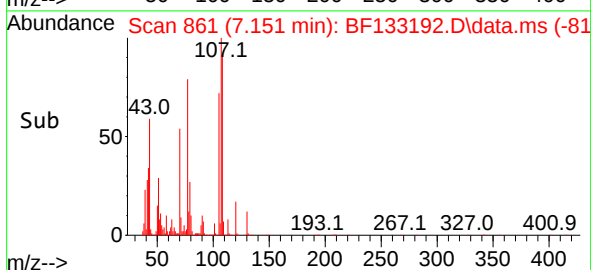
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

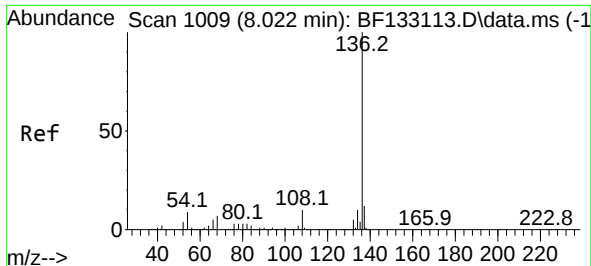


#20
3+4-Methylphenols
Concen: 45.165 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:107 Resp: 668544
Ion Ratio Lower Upper
107 100
108 91.3 70.5 110.5
77 79.4 91.7 131.7#
79 27.1 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

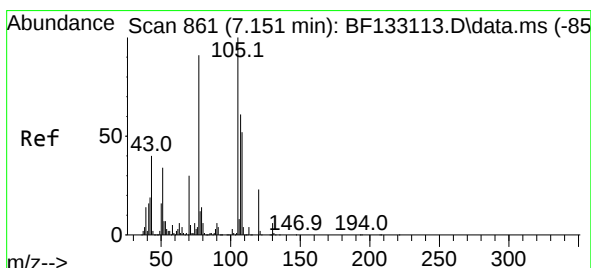
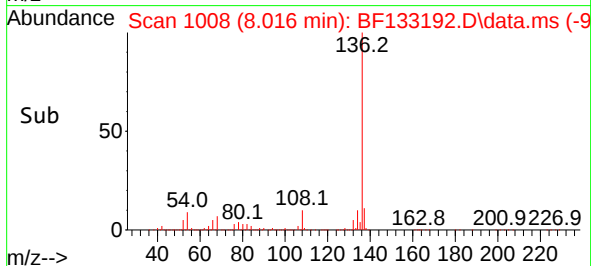
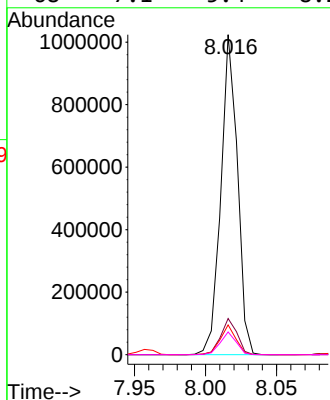
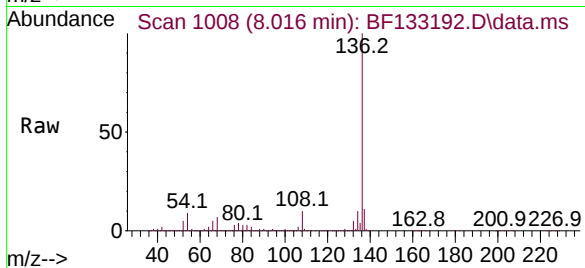
72-11938MSD

Tgt Ion:136 Resp: 829590
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.3 7.0 10.4
68 7.1 5.4 8.2

Manual Integrations

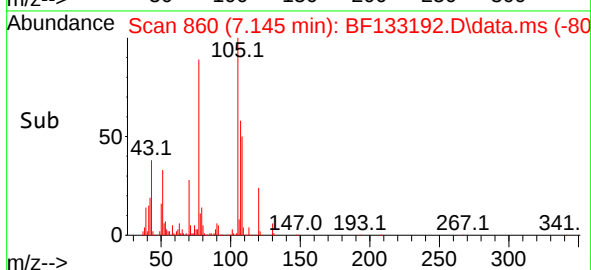
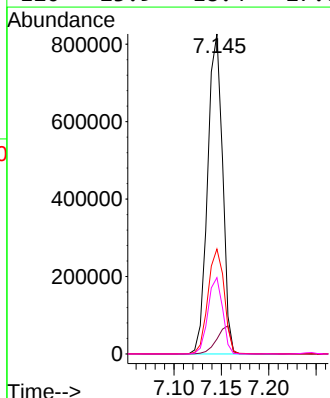
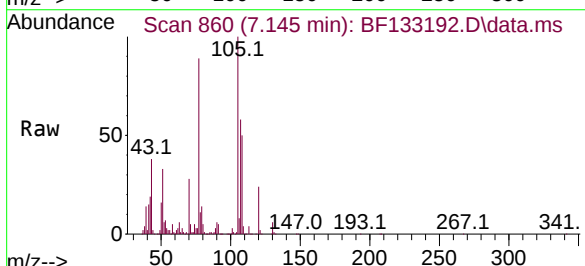
APPROVED

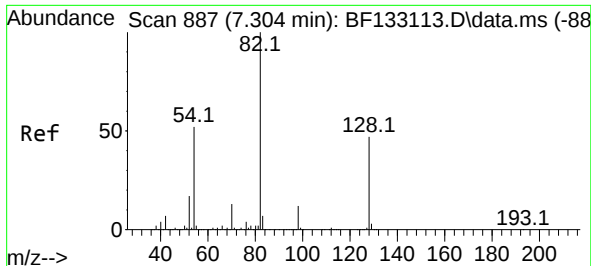
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#22
Acetophenone
Concen: 47.178 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:105 Resp: 906623
Ion Ratio Lower Upper
105 100
71 4.7 4.6 7.0
51 32.8 28.2 42.2
120 23.9 18.4 27.6





#23

Nitrobenzene-d5

Concen: 68.475 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion: 82 Resp: 1052420

Ion Ratio Lower Upper

82 100

128 46.7 37.7 56.5

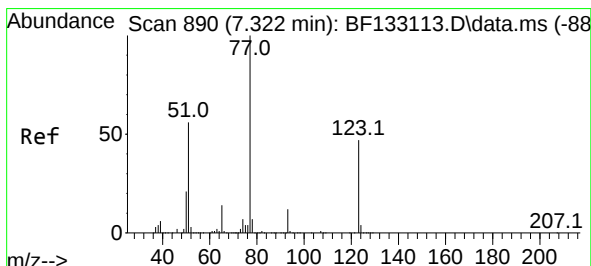
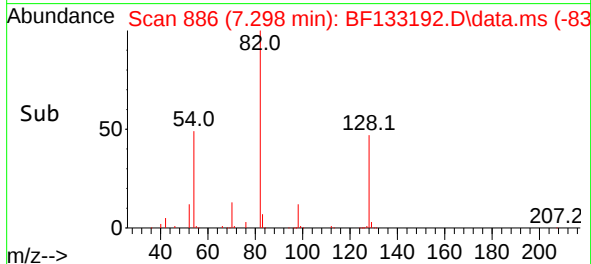
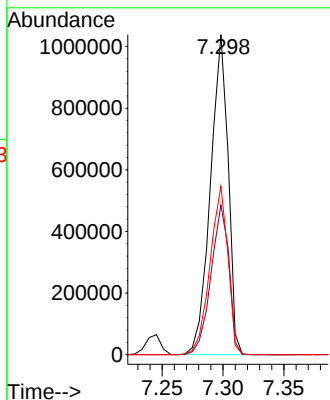
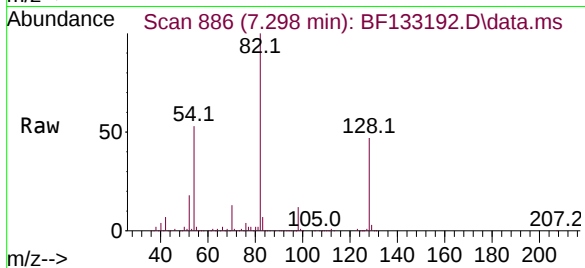
54 52.6 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#24

Nitrobenzene

Concen: 44.717 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

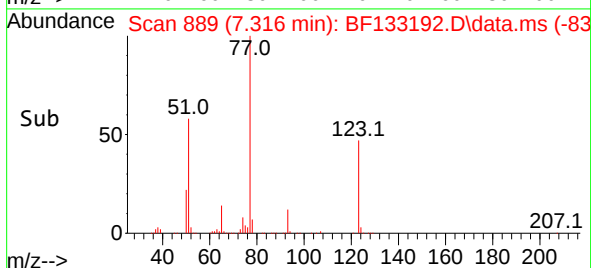
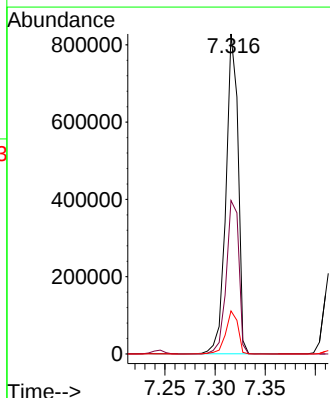
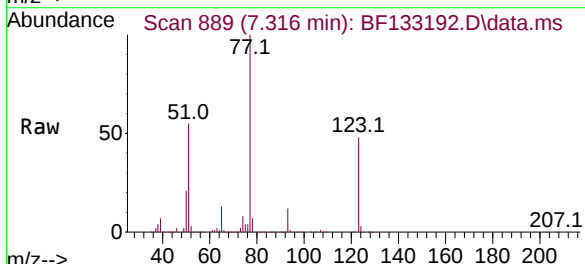
Tgt Ion: 77 Resp: 696428

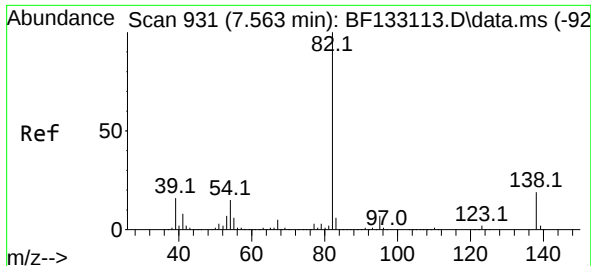
Ion Ratio Lower Upper

77 100

123 48.0 39.9 59.9

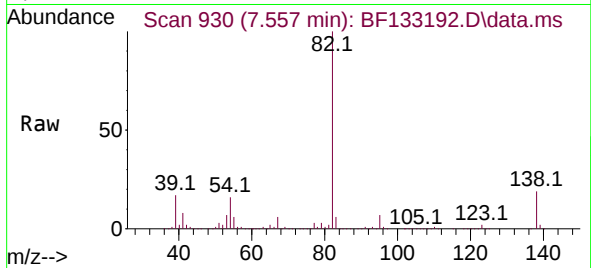
65 13.4 10.7 16.1





#25
Isophorone
Concen: 45.394 ng
RT: 7.557 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

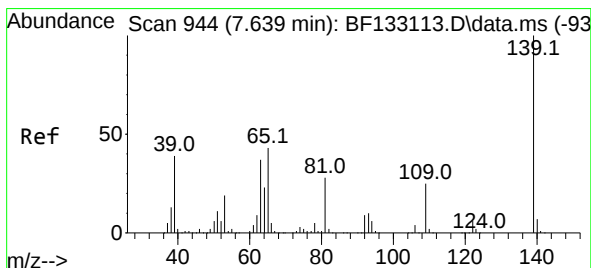
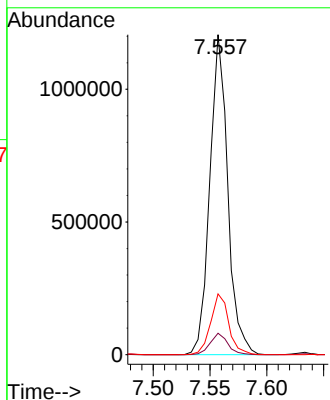
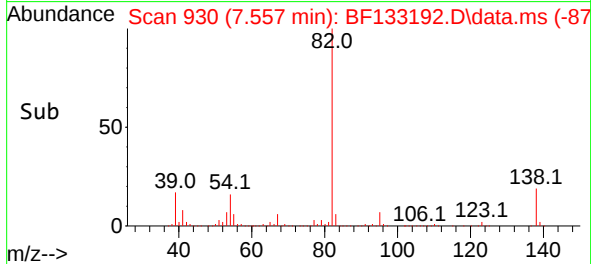
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion: 82 Resp: 1324660
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 19.0 16.0 24.0

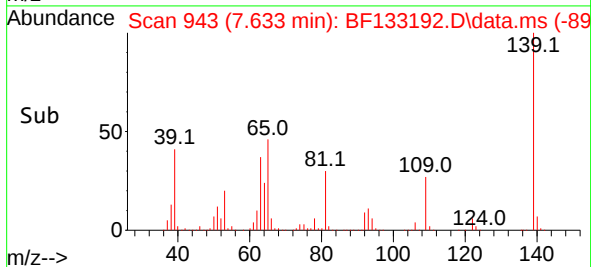
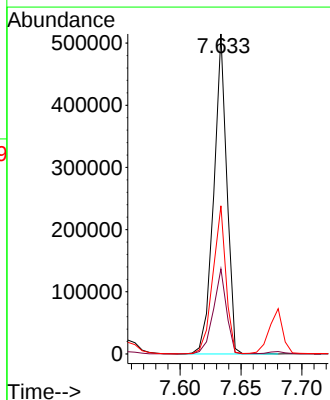
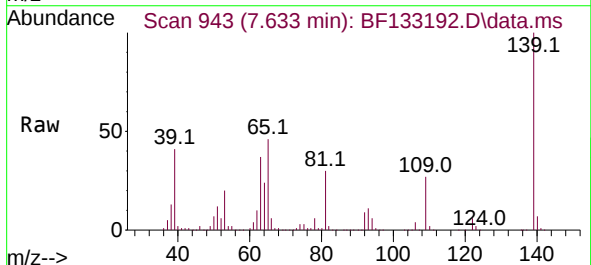
Manual Integrations
APPROVED

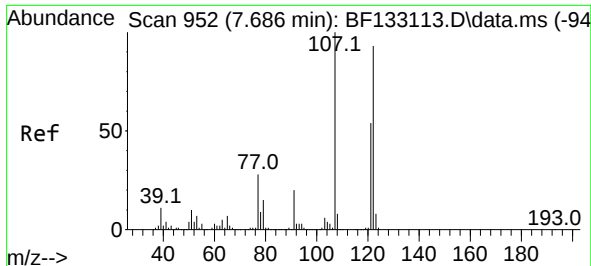
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#26
2-Nitrophenol
Concen: 51.066 ng
RT: 7.633 min Scan# 943
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:139 Resp: 383599
Ion Ratio Lower Upper
139 100
109 26.6 21.6 32.4
65 46.3 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 47.505 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133192.D

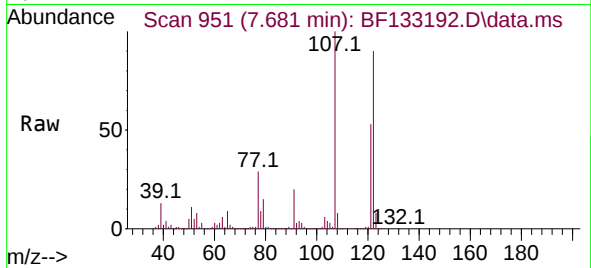
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD



Tgt Ion:122 Resp: 611898

Ion Ratio Lower Upper

122 100

107 110.9 89.7 134.5

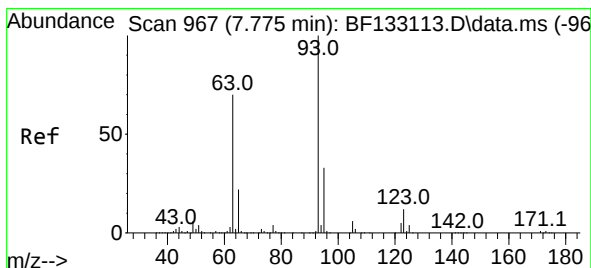
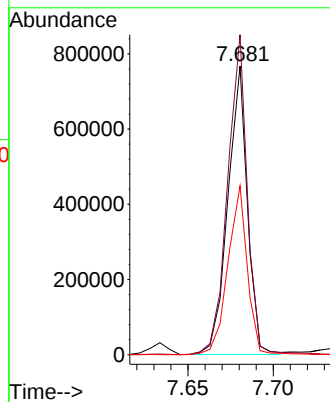
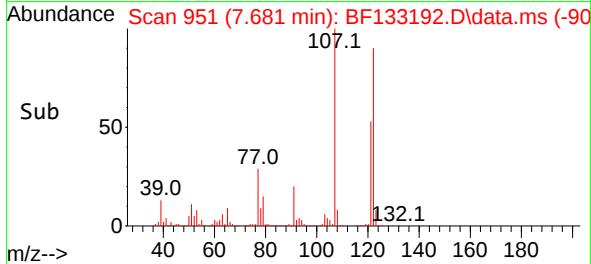
121 58.5 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#28

bis(2-Chloroethoxy)methane

Concen: 46.188 ng

RT: 7.769 min Scan# 966

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

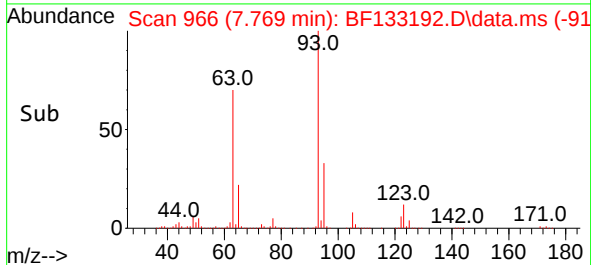
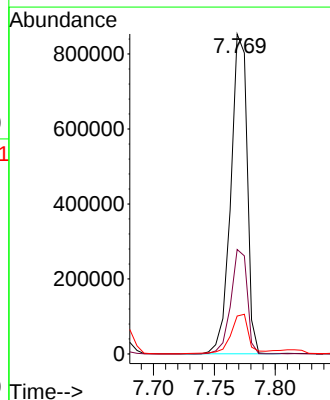
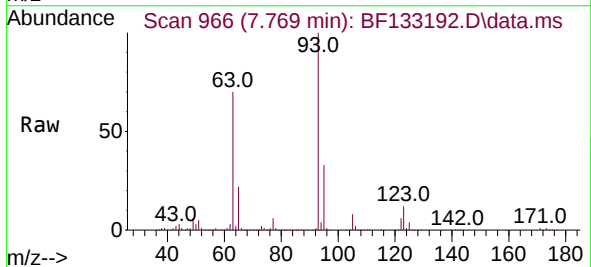
Tgt Ion: 93 Resp: 797347

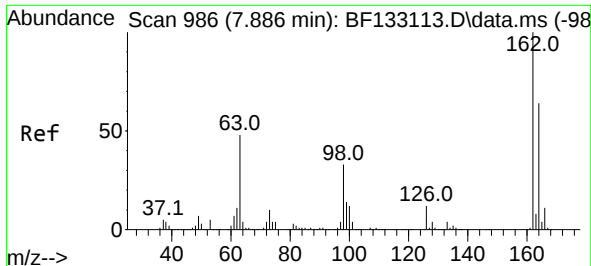
Ion Ratio Lower Upper

93 100

95 32.6 26.4 39.6

123 11.8 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 48.458 ng

RT: 7.880 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

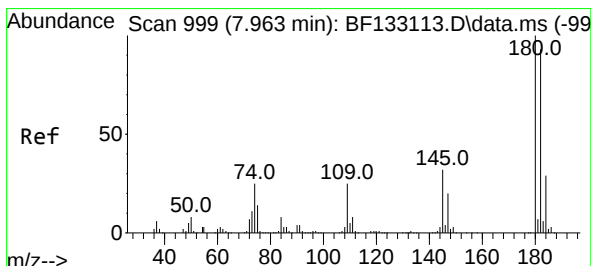
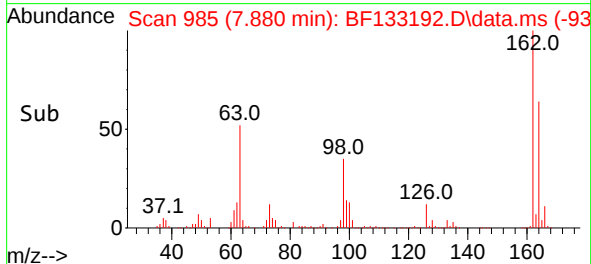
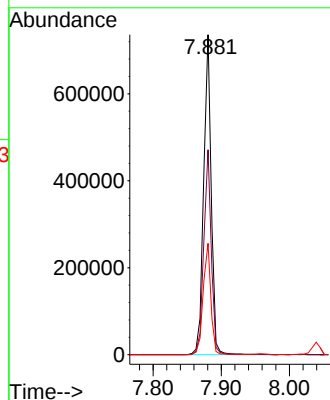
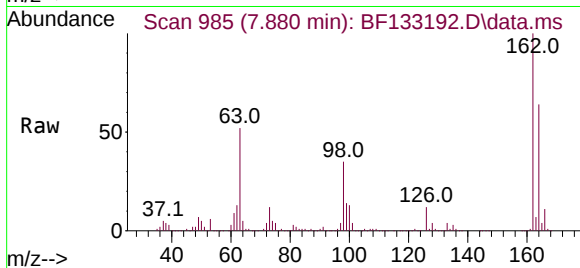
72-11938MSD

Tgt Ion:162 Resp: 568224
 Ion Ratio Lower Upper
 162 100
 164 64.0 43.9 83.9
 98 34.8 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.793 ng

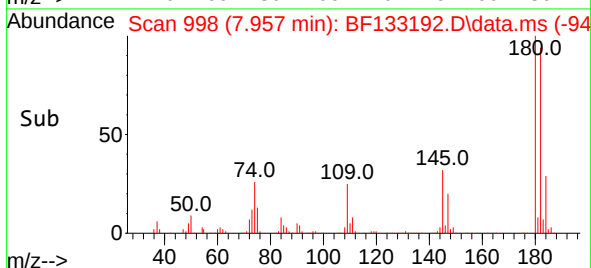
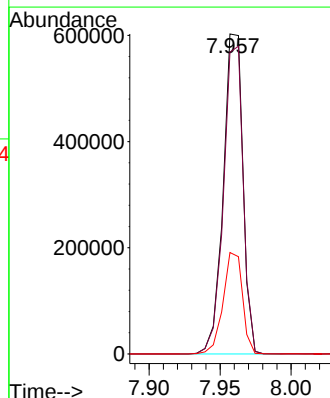
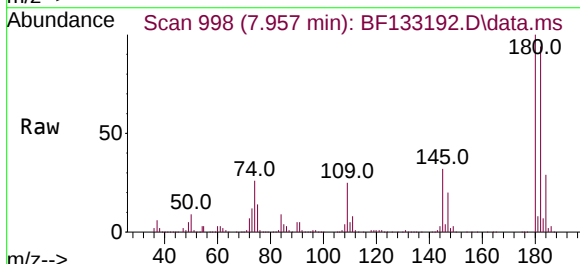
RT: 7.957 min Scan# 998

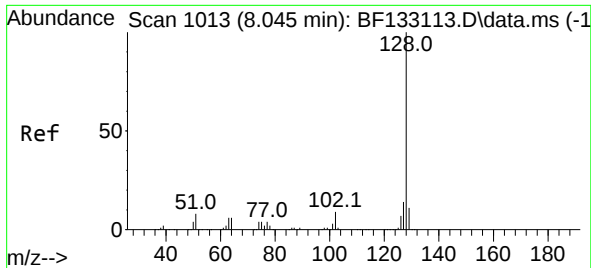
Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

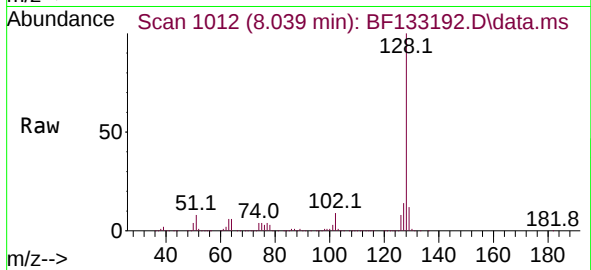
Tgt Ion:180 Resp: 580585
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.9 113.9
 145 31.7 25.3 37.9





#31
Naphthalene
Concen: 45.944 ng
RT: 8.039 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

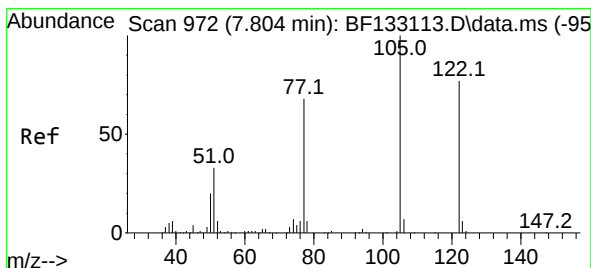
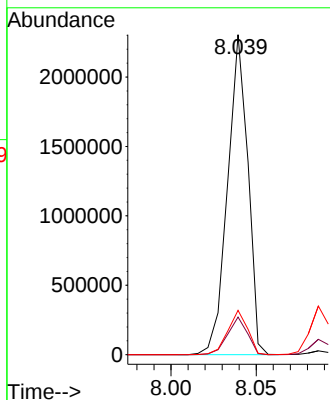
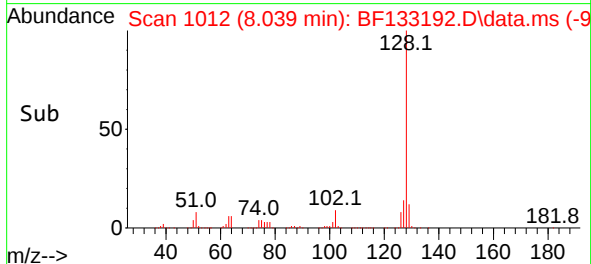
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:128 Resp: 1905600
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.8 10.7 16.1

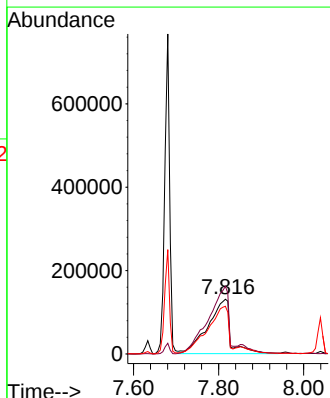
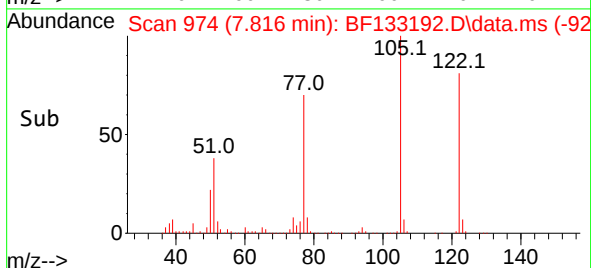
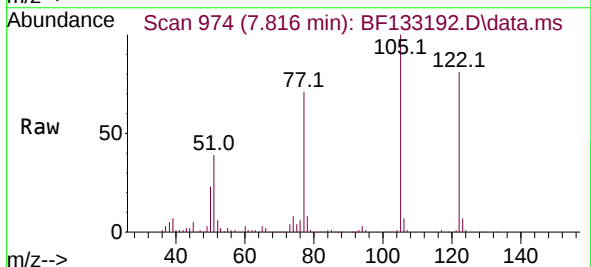
Manual Integrations
APPROVED

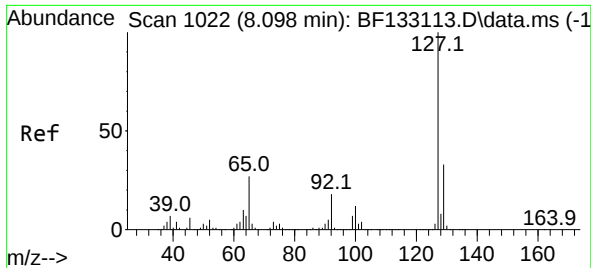
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#32
Benzoic acid
Concen: 61.292 ng m
RT: 7.816 min Scan# 974
Delta R.T. 0.018 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:122 Resp: 487663
Ion Ratio Lower Upper
122 100
105 123.5 104.2 144.2
77 87.2 69.7 109.7





#33
4-Chloroaniline
Concen: 18.217 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

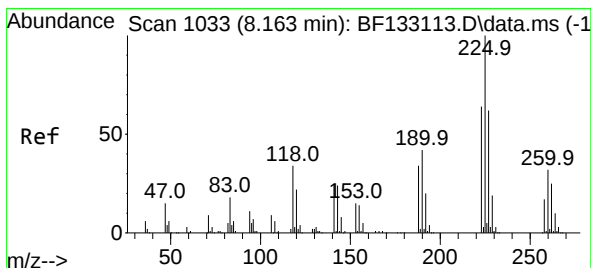
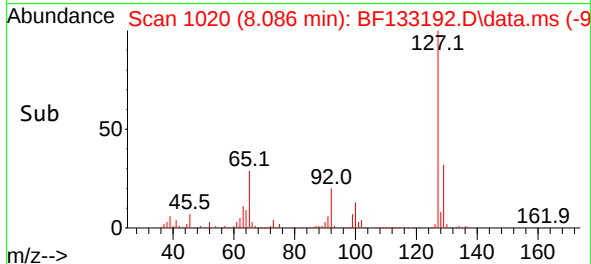
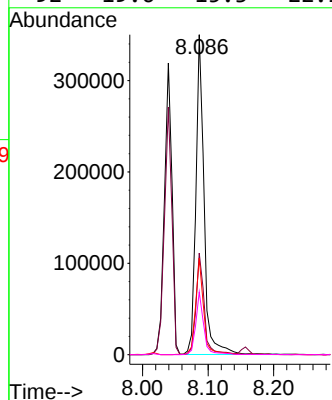
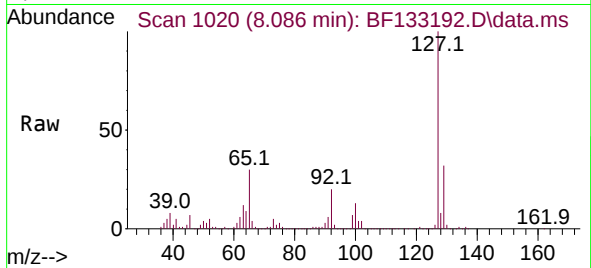
72-11938MSD

Tgt Ion:127 Resp: 30528
Ion Ratio Lower Upper
127 100
129 31.8 25.8 38.8
65 30.2 23.6 35.4
92 19.6 15.3 22.9

Manual Integrations

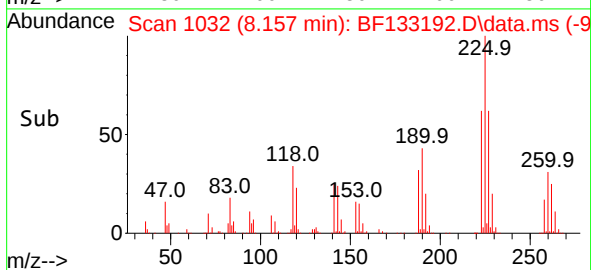
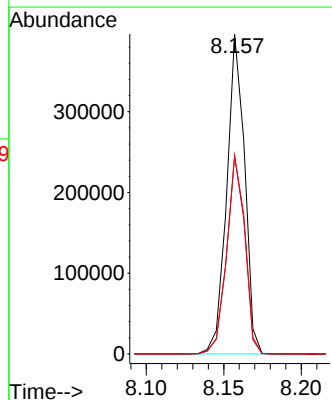
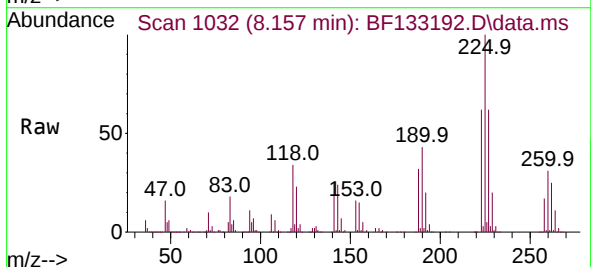
APPROVED

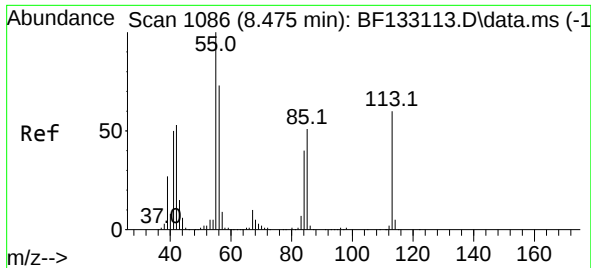
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#34
Hexachlorobutadiene
Concen: 47.099 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

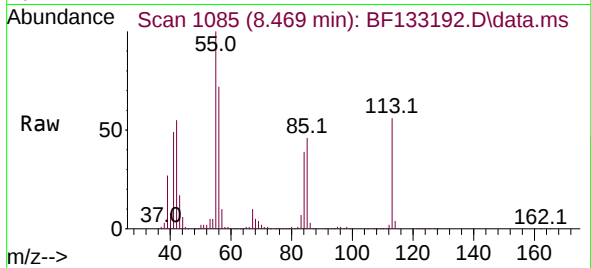
Tgt Ion:225 Resp: 317118
Ion Ratio Lower Upper
225 100
223 62.0 50.9 76.3
227 61.9 50.3 75.5





#35
Caprolactam
Concen: 53.461 ng m
RT: 8.469 min Scan# 1085
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

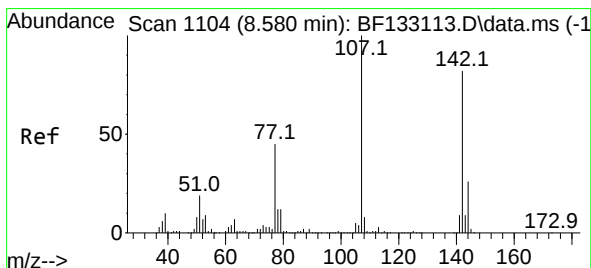
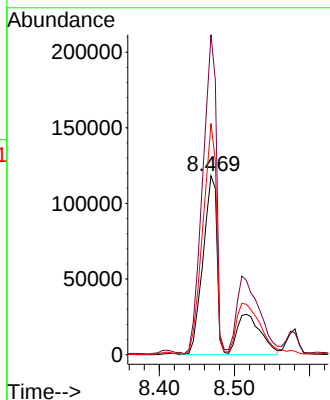
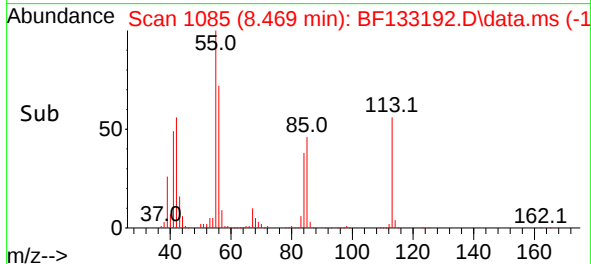
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:113 Resp: 210592
Ion Ratio Lower Upper
113 100
55 178.8 167.1 207.1
56 129.2 114.5 154.5

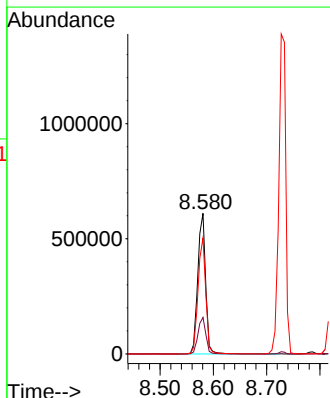
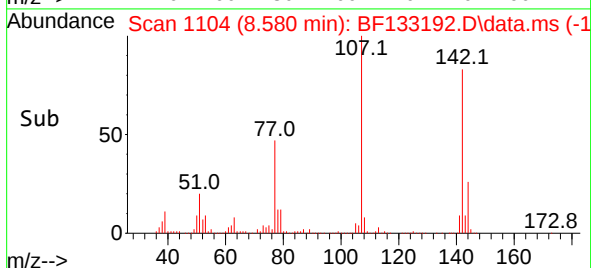
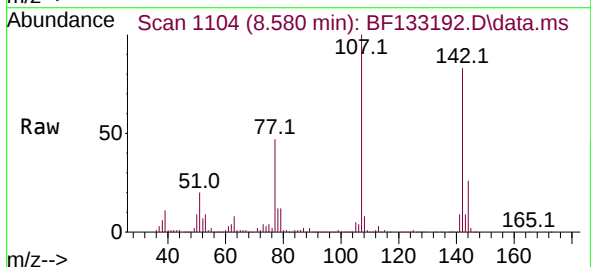
Manual Integrations
APPROVED

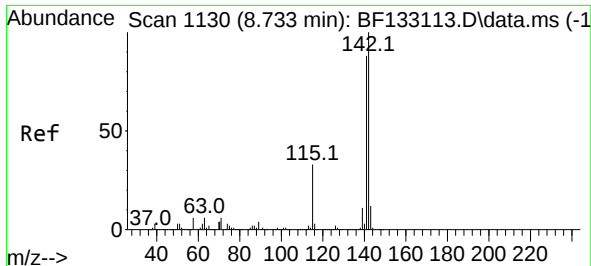
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#36
4-Chloro-3-methylphenol
Concen: 49.174 ng
RT: 8.580 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:107 Resp: 621806
Ion Ratio Lower Upper
107 100
144 26.0 20.6 30.8
142 82.6 62.8 94.2





#37

2-Methylnaphthalene

Concen: 44.720 ng

RT: 8.728 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:142 Resp: 1268119

Ion Ratio Lower Upper

142 100

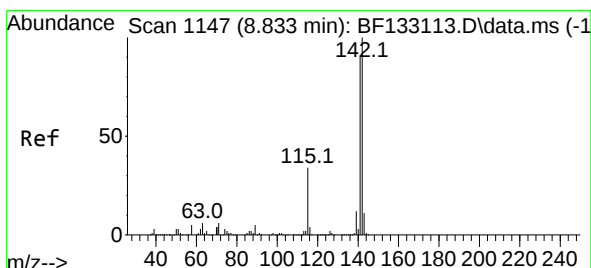
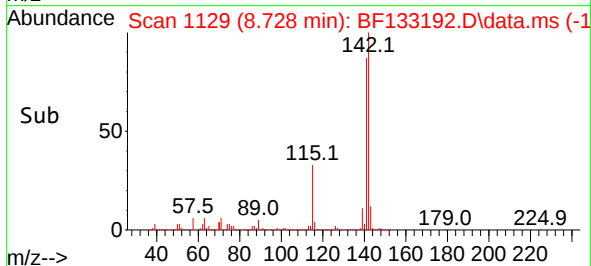
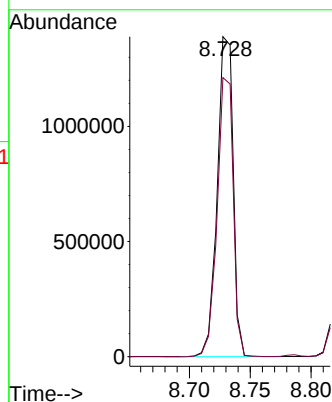
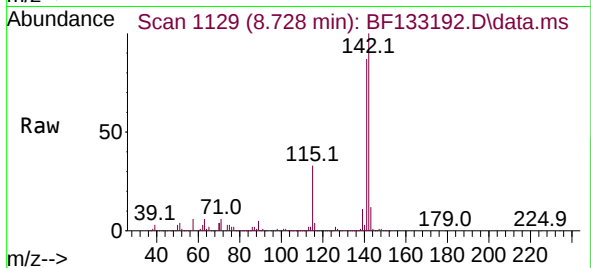
141 87.2 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#38

1-Methylnaphthalene

Concen: 45.377 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133192.D

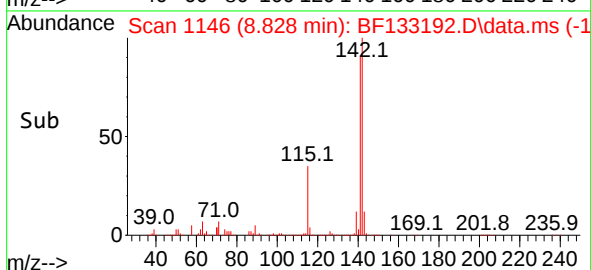
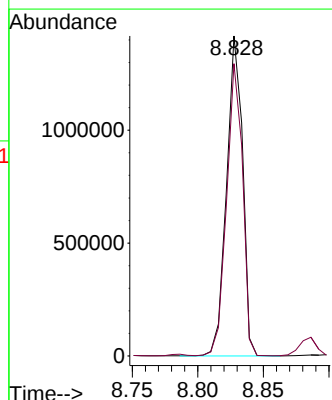
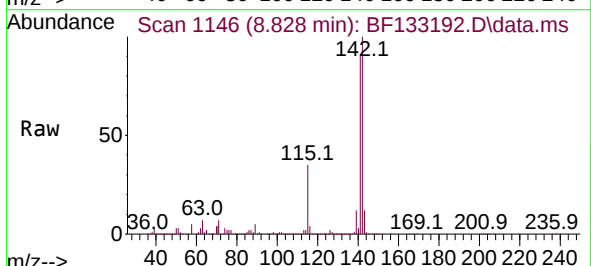
Acq: 02 May 2023 16:50

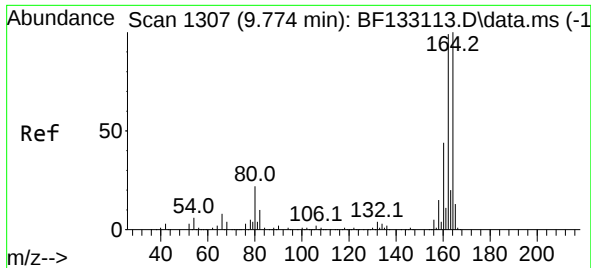
Tgt Ion:142 Resp: 1203718

Ion Ratio Lower Upper

142 100

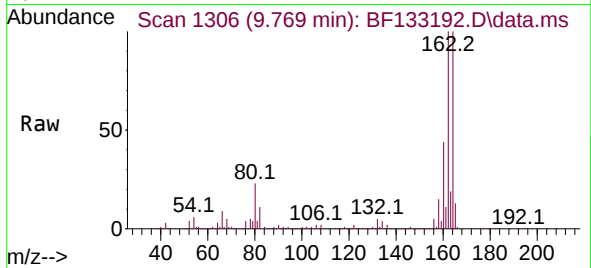
141 91.4 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

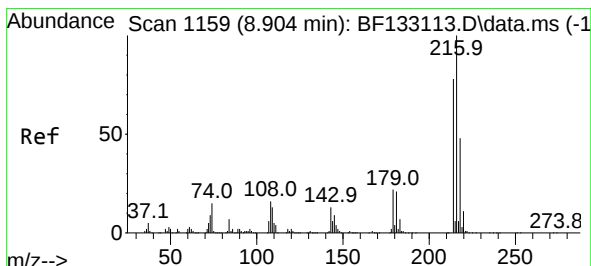
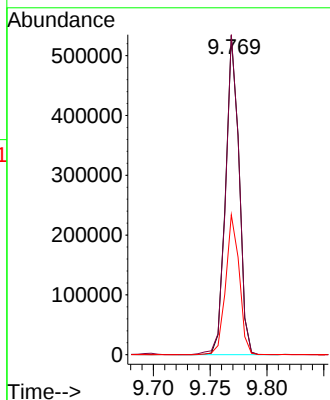
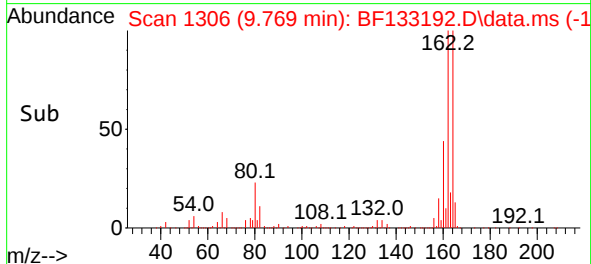
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



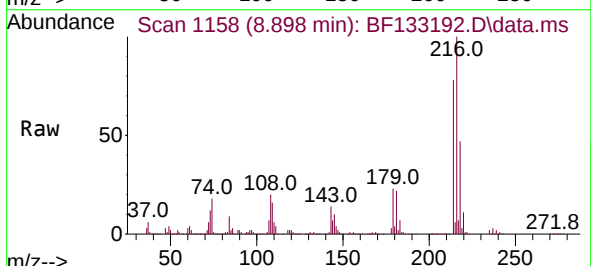
Tgt Ion:164 Resp: 438769
Ion Ratio Lower Upper
164 100
162 100.2 78.7 118.1
160 43.8 35.8 53.6

Manual Integrations
APPROVED

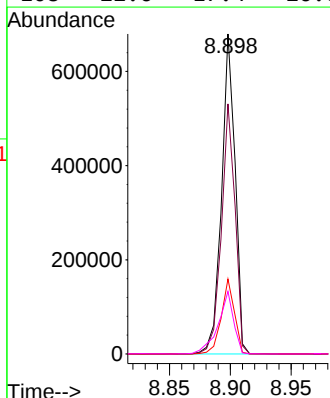
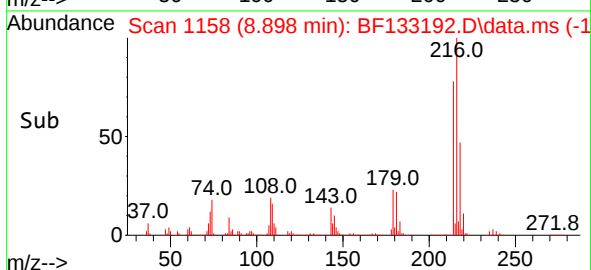
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

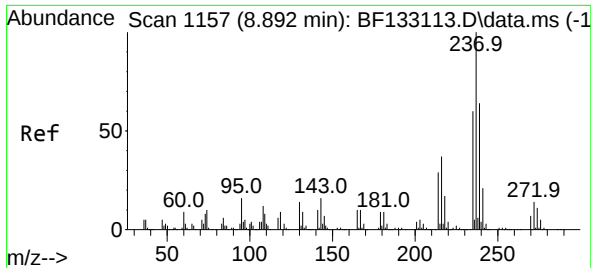


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.430 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:216 Resp: 524153
Ion Ratio Lower Upper
216 100
214 78.9 63.5 95.3
179 22.9 17.4 26.2
108 22.6 17.4 26.0





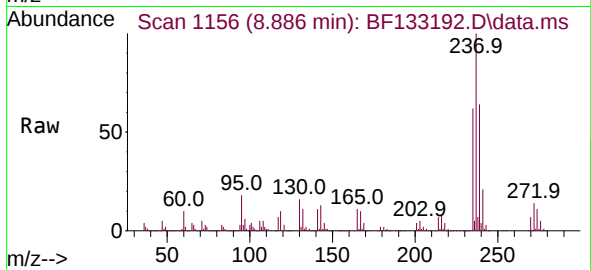
#41
Hexachlorocyclopentadiene
Concen: 90.189 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

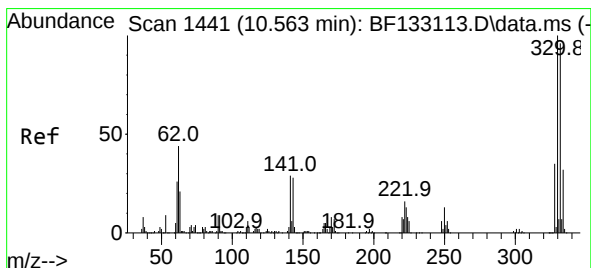
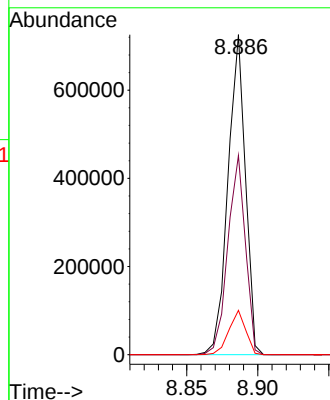
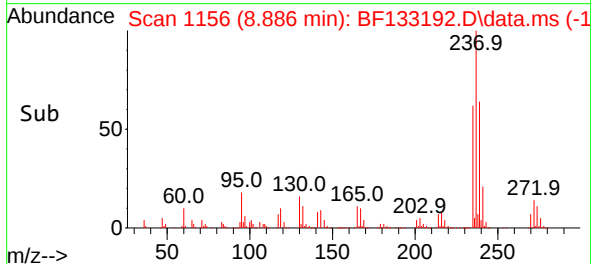


Tgt Ion: 237 Resp: 62052
Ion Ratio Lower Upper
237 100
235 62.2 43.5 83.5
272 13.9 0.0 32.7

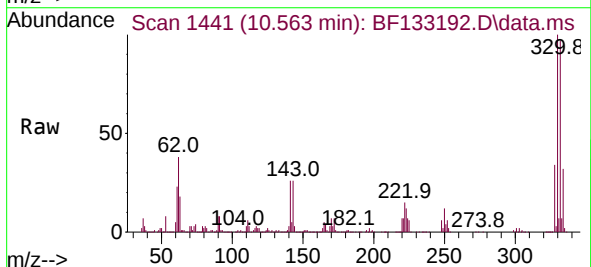
Manual Integrations

APPROVED

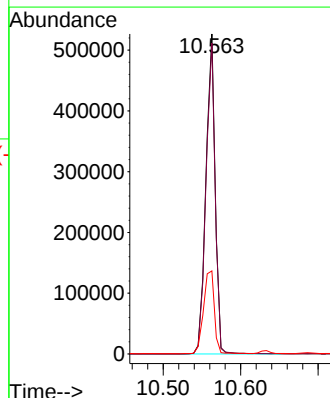
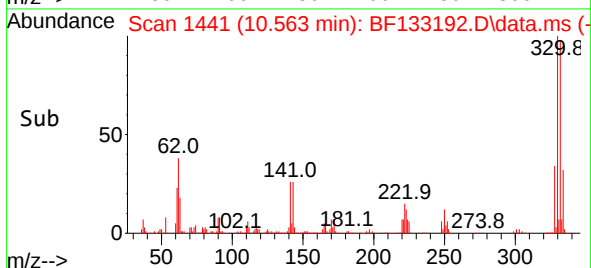
Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/03/2023

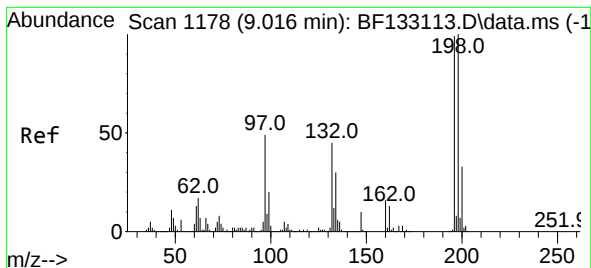


#42
2,4,6-Tribromophenol
Concen: 98.878 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion: 330 Resp: 436316
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 30.4 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 47.646 ng

RT: 9.010 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:196 Resp: 38872

Ion Ratio Lower Upper

196 100

198 98.9 81.0 121.6

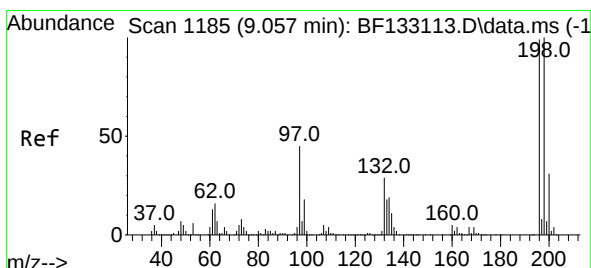
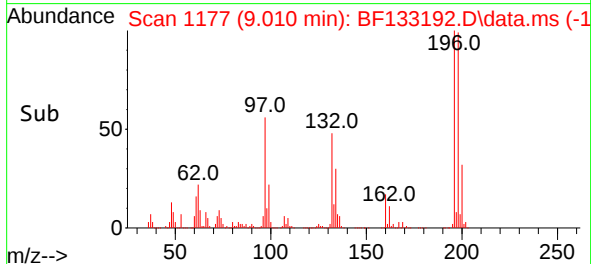
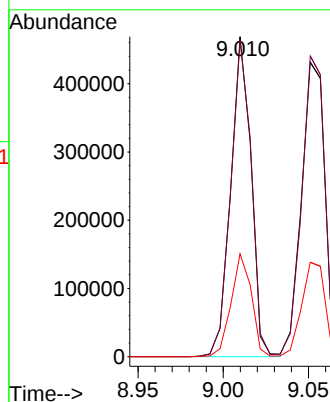
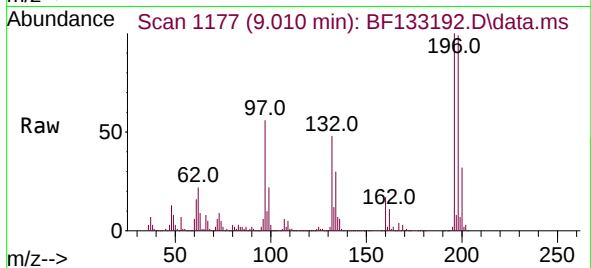
200 32.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#44

2,4,5-Trichlorophenol

Concen: 44.538 ng

RT: 9.051 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Tgt Ion:196 Resp: 420249

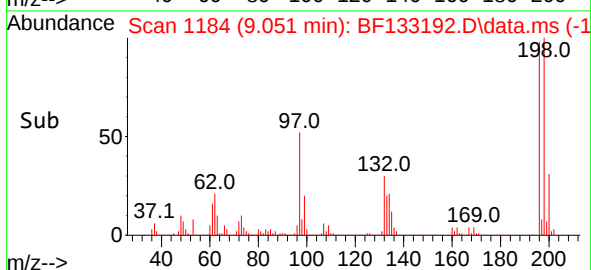
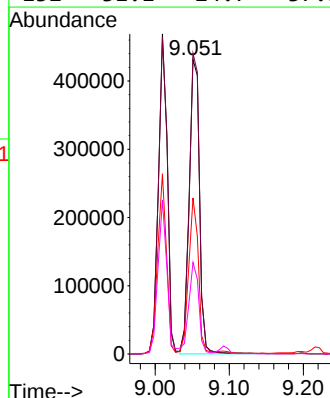
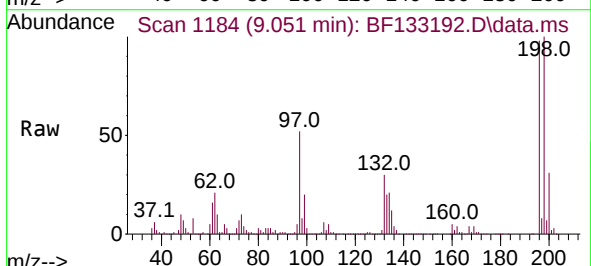
Ion Ratio Lower Upper

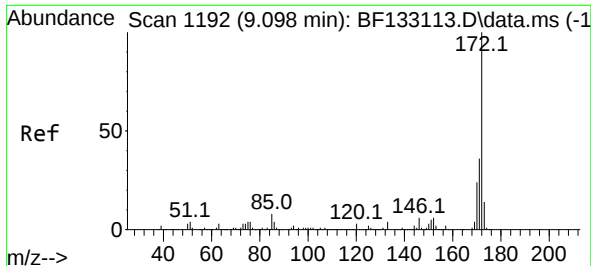
196 100

198 102.1 80.9 121.3

97 53.0 41.3 61.9

132 31.1 24.7 37.1





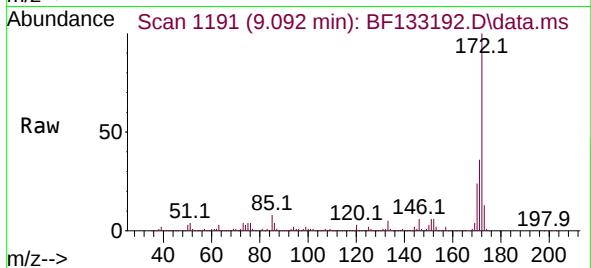
#45
2-Fluorobiphenyl
Concen: 69.250 ng
RT: 9.092 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

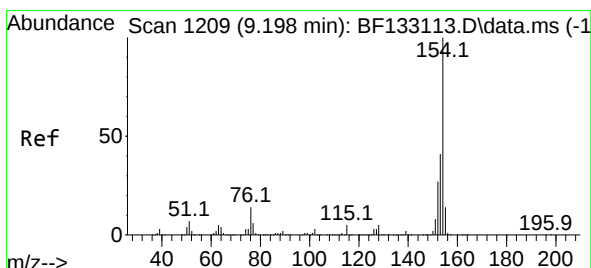
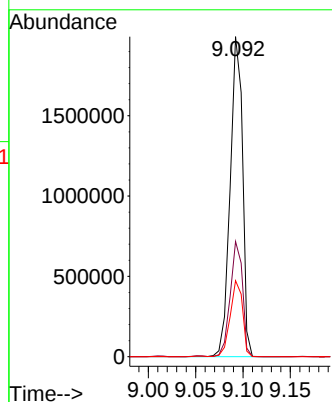
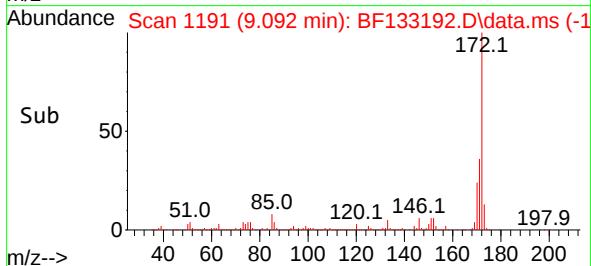


Tgt Ion:172 Resp: 1816192
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.8 19.4 29.2

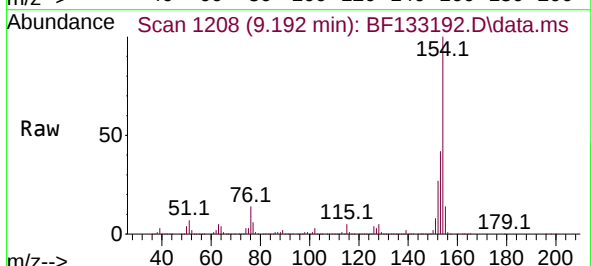
Manual Integrations

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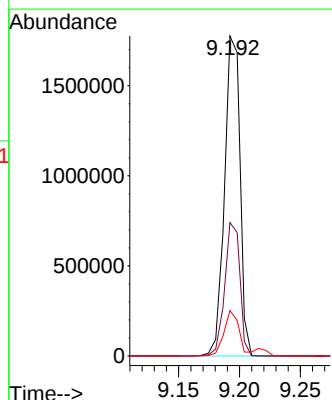
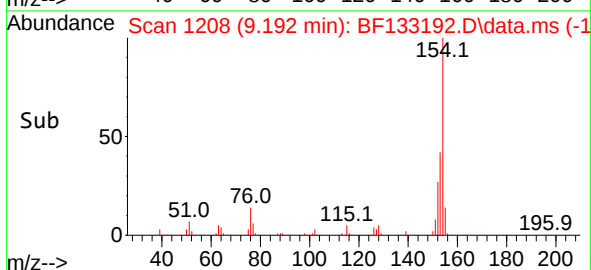
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

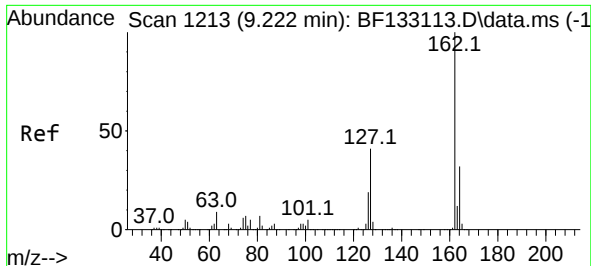


#46
1,1'-Biphenyl
Concen: 45.281 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:154 Resp: 1575424
Ion Ratio Lower Upper
154 100
153 41.7 21.0 61.0
76 14.2 0.0 34.5





#47

2-Chloronaphthalene

Concen: 46.368 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:162 Resp: 118078

Ion Ratio Lower Upper

162 100

127 42.0 32.3 48.5

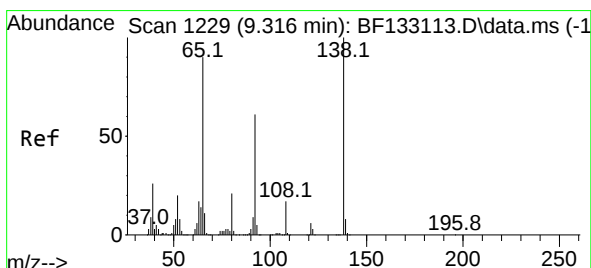
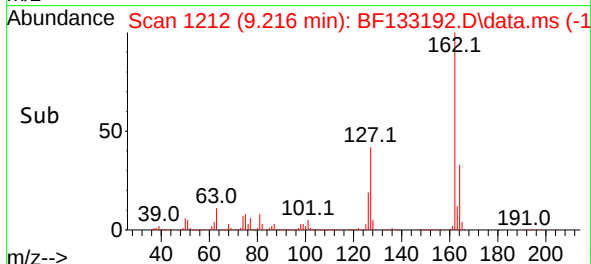
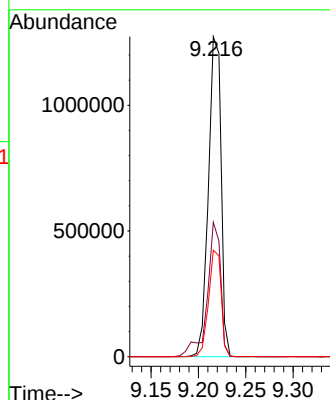
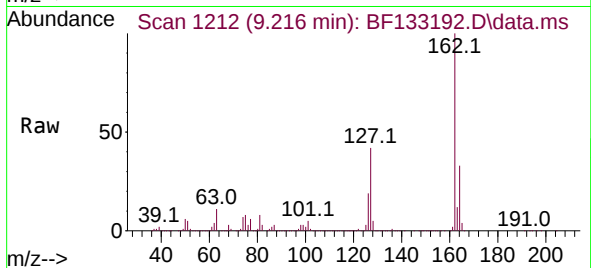
164 33.3 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#48

2-Nitroaniline

Concen: 45.623 ng

RT: 9.316 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

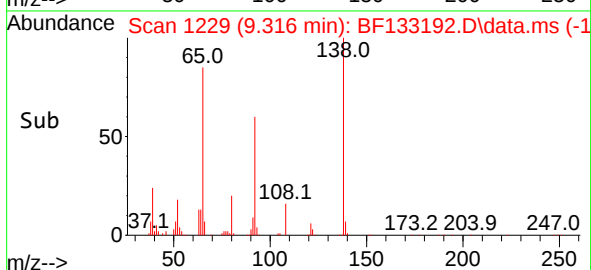
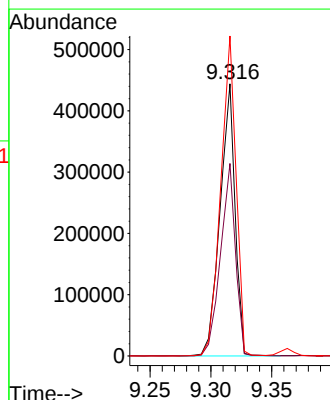
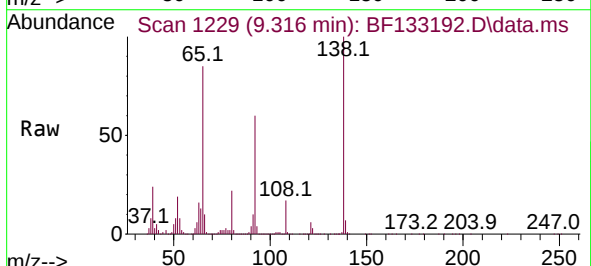
Tgt Ion: 65 Resp: 383976

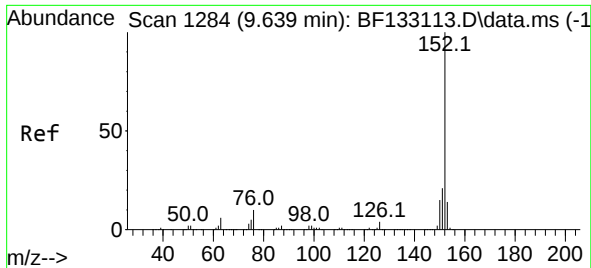
Ion Ratio Lower Upper

65 100

92 70.8 55.4 83.0

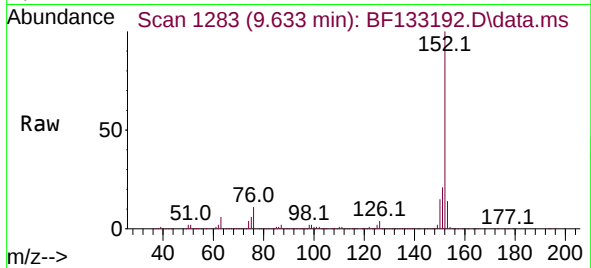
138 117.6 98.2 147.2





#49
Acenaphthylene
Concen: 44.628 ng
RT: 9.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

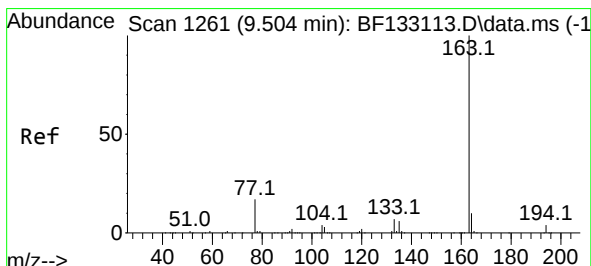
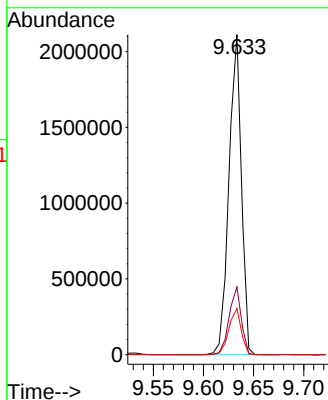
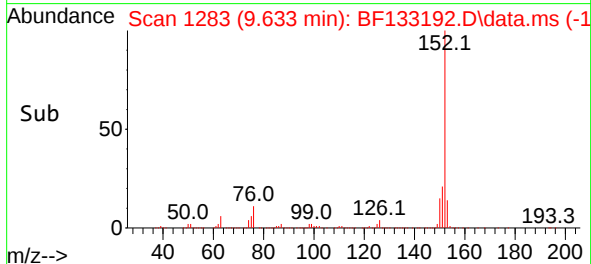
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



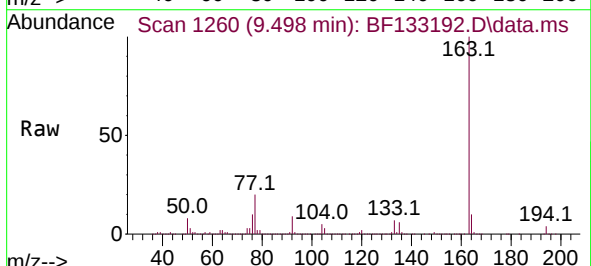
Tgt Ion:152 Resp: 1815924
Ion Ratio Lower Upper
152 100
151 21.1 16.6 24.8
153 14.5 11.5 17.3

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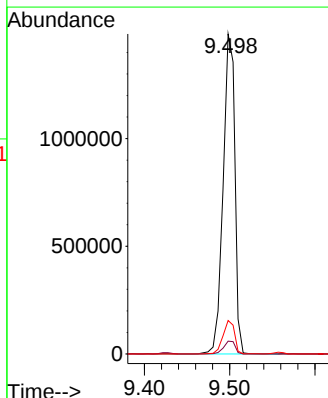
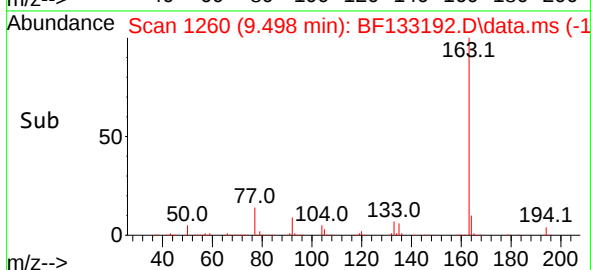
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

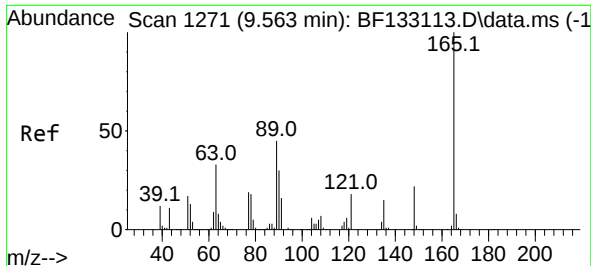


#50
Dimethylphthalate
Concen: 46.440 ng
RT: 9.498 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



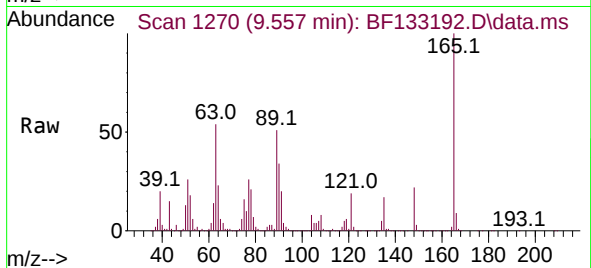
Tgt Ion:163 Resp: 1420798
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 49.329 ng
RT: 9.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

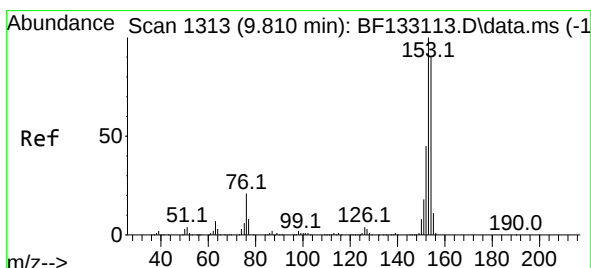
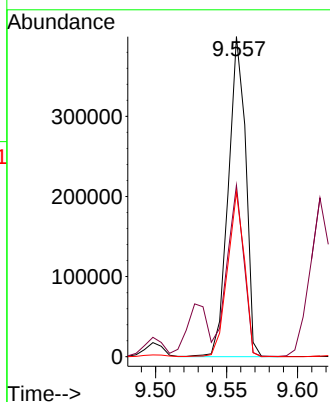
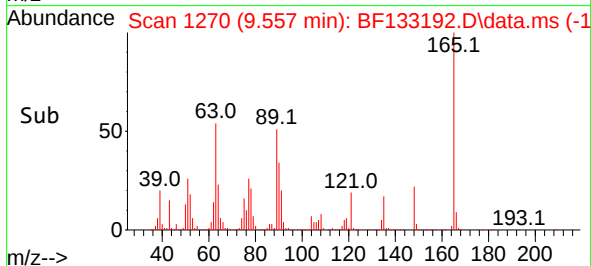
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:165 Resp: 339679
Ion Ratio Lower Upper
165 100
63 53.6 45.9 68.9
89 51.5 44.0 66.0

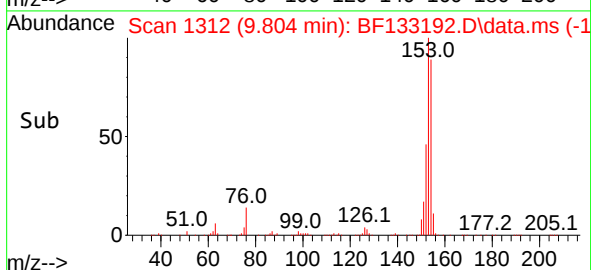
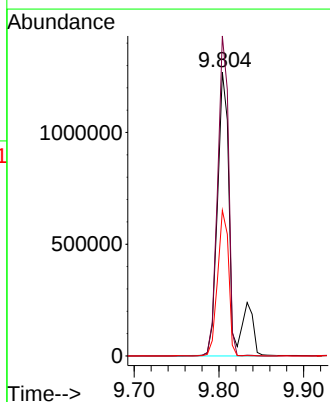
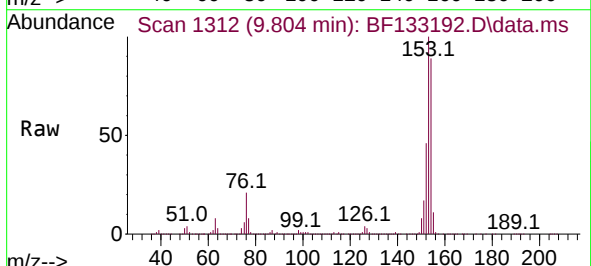
Manual Integrations
APPROVED

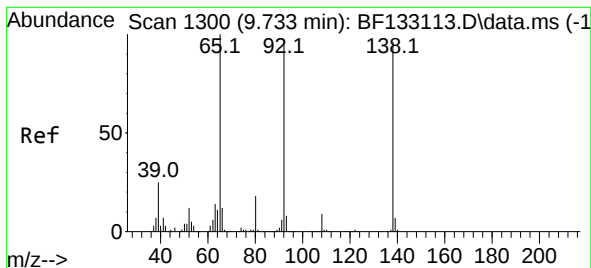
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#52
Acenaphthene
Concen: 50.257 ng m
RT: 9.804 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:154 Resp: 1369624
Ion Ratio Lower Upper
154 100
153 112.8 89.0 133.6
152 51.3 40.4 60.6





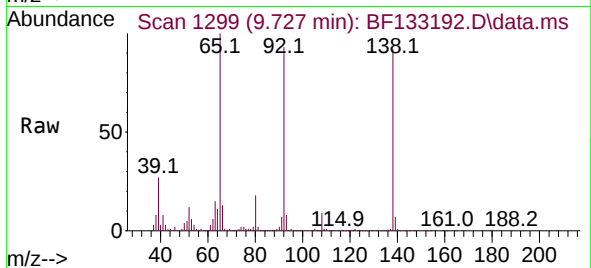
#53
3-Nitroaniline
Concen: 33.620 ng
RT: 9.727 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

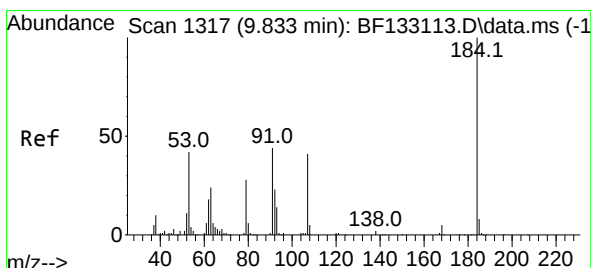
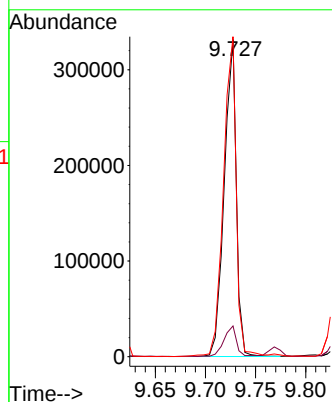
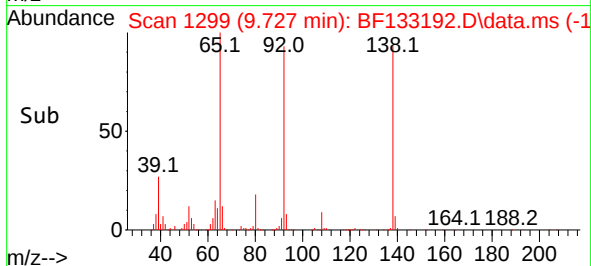


Tgt Ion:138 Resp: 275260
Ion Ratio Lower Upper
138 100
108 9.7 8.0 12.0
92 100.8 83.6 125.4

Manual Integrations

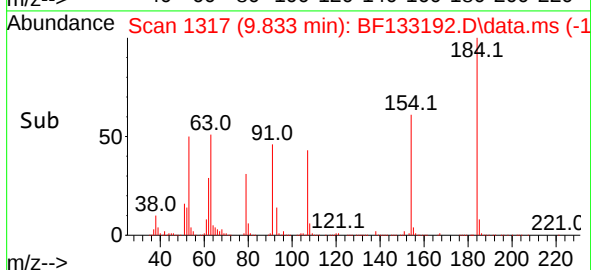
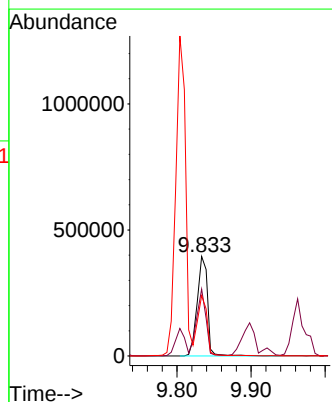
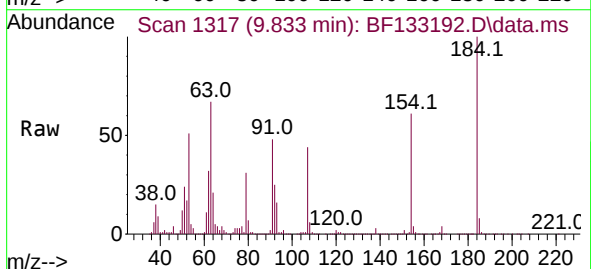
APPROVED

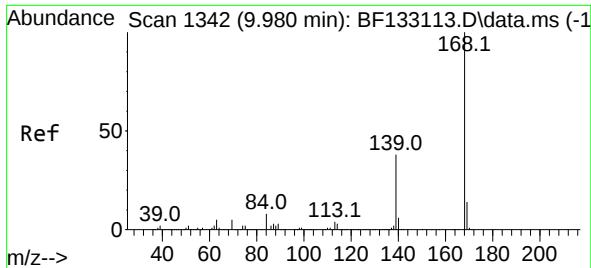
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#54
2,4-Dinitrophenol
Concen: 110.922 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

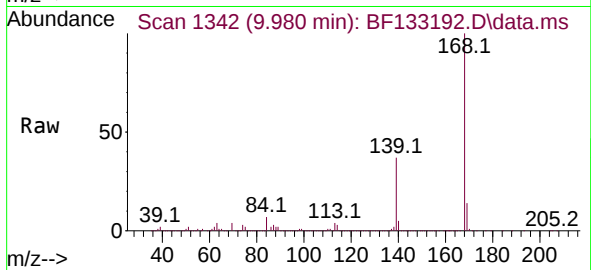
Tgt Ion:184 Resp: 383928
Ion Ratio Lower Upper
184 100
63 67.2 49.8 74.8
154 60.6 49.5 74.3





#55
Dibenzenofuran
Concen: 44.406 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

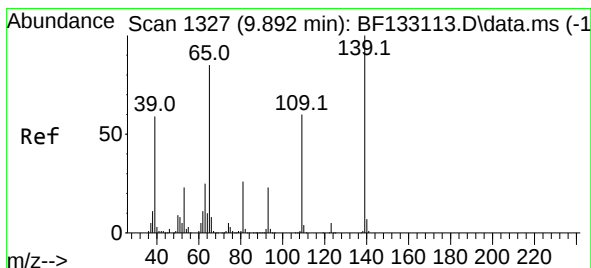
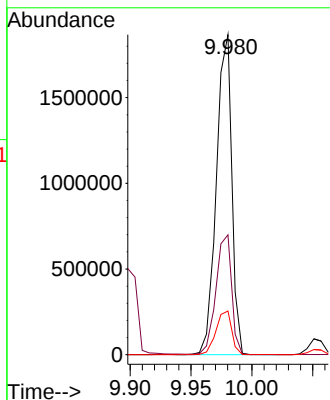
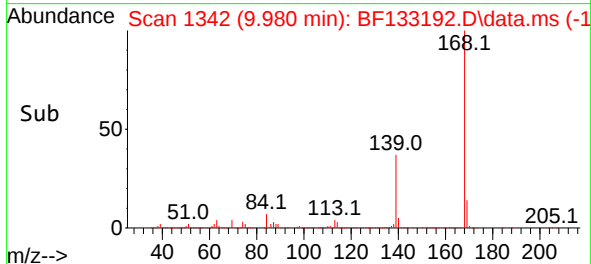
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:168 Resp: 165078
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.8
169 13.7 10.8 16.2

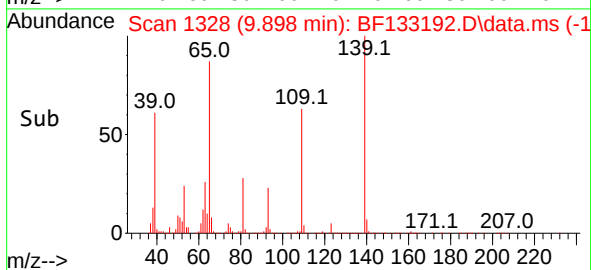
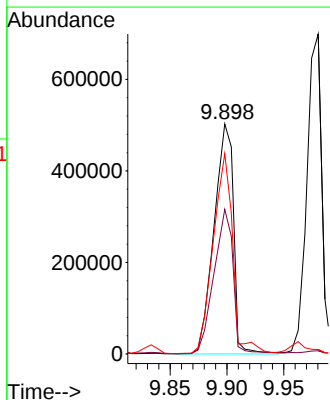
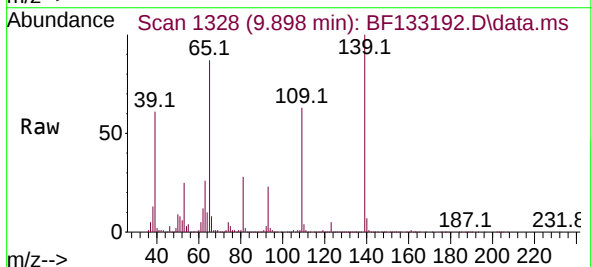
Manual Integrations
APPROVED

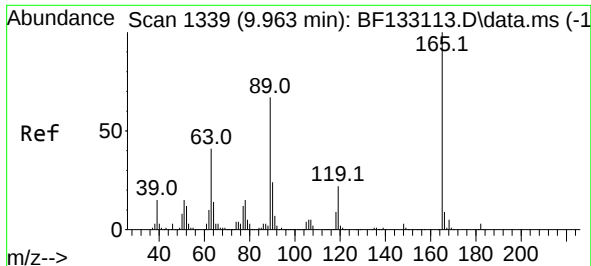
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#56
4-Nitrophenol
Concen: 94.286 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:139 Resp: 597910
Ion Ratio Lower Upper
139 100
109 62.9 39.4 79.4
65 87.1 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 49.373 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

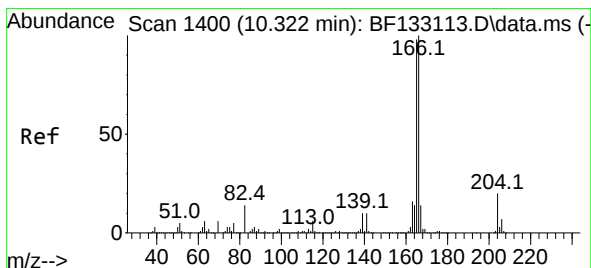
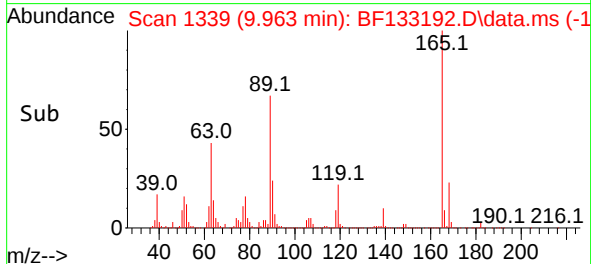
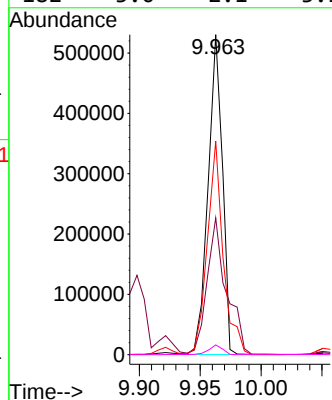
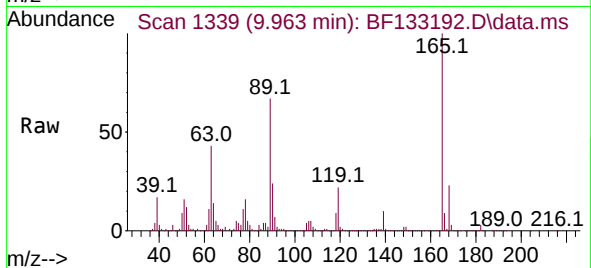
72-11938MSD

Tgt Ion:	165	Resp:	433572
Ion Ratio	Lower	Upper	
165	100		
63	42.7	37.7	56.5
89	66.7	57.0	85.4
182	3.0	2.1	3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#58

Fluorene

Concen: 44.679 ng

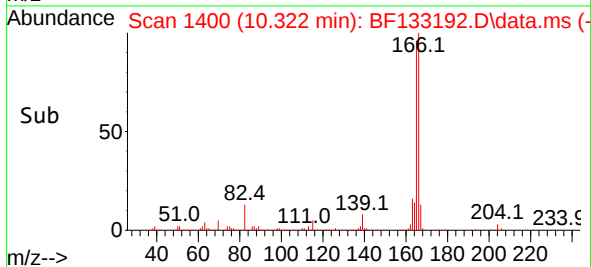
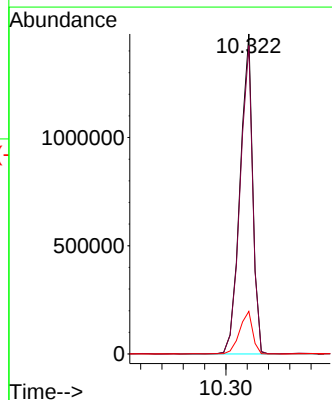
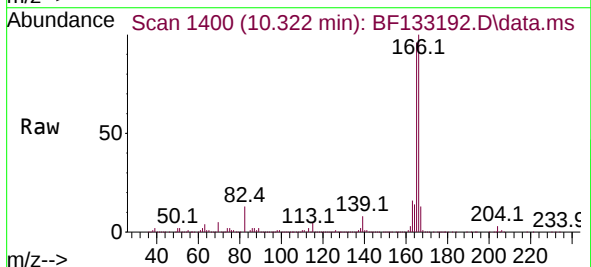
RT: 10.322 min Scan# 1400

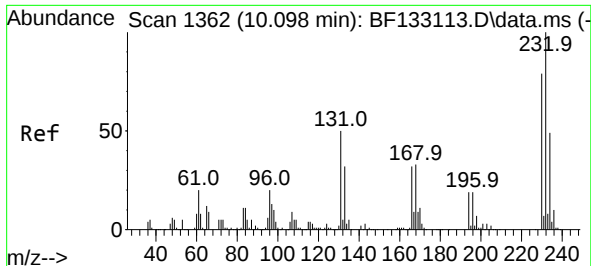
Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

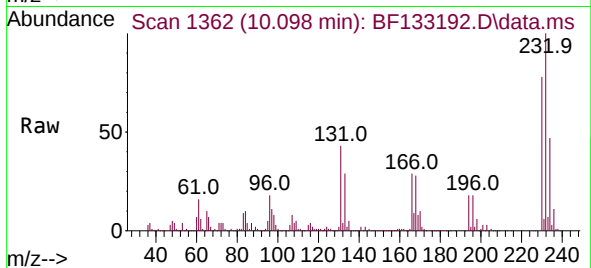
Tgt Ion:	166	Resp:	1216872
Ion Ratio	Lower	Upper	
166	100		
165	96.3	78.6	117.8
167	13.3	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.104 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

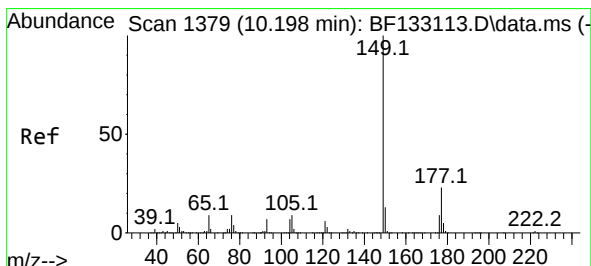
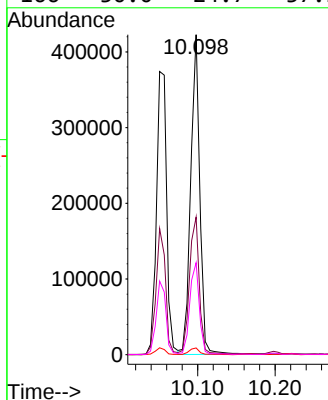
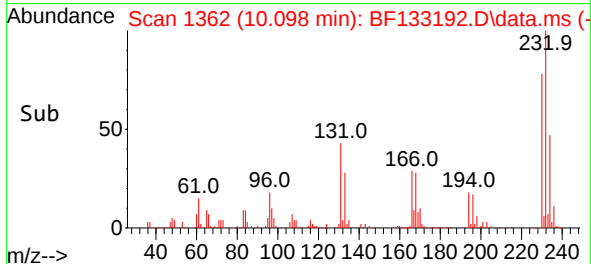
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



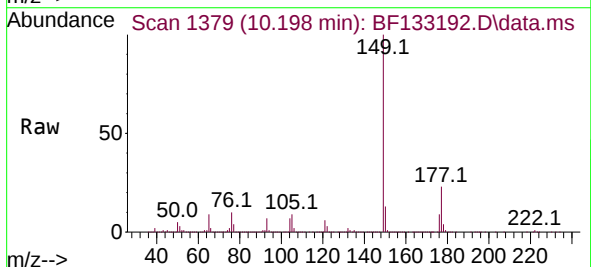
Tgt Ion:232 Resp: 344571
Ion Ratio Lower Upper
232 100
131 45.9 38.0 57.0
130 2.5 1.8 2.8
166 30.0 24.7 37.1

Manual Integrations
APPROVED

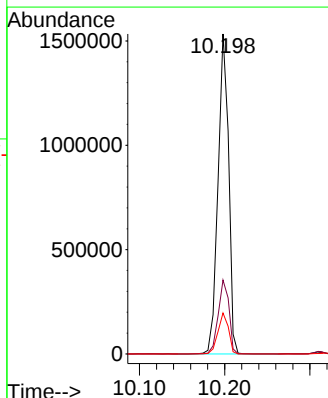
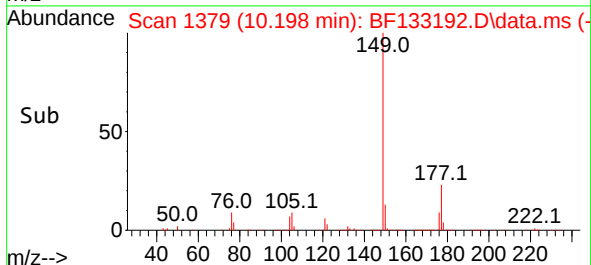
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

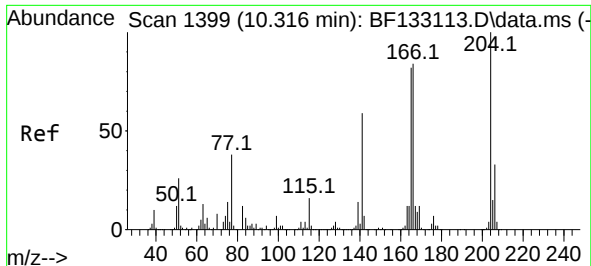


#60
Diethylphthalate
Concen: 45.677 ng
RT: 10.198 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



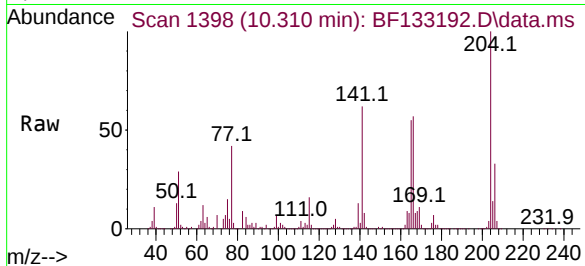
Tgt Ion:149 Resp: 1319993
Ion Ratio Lower Upper
149 100
177 23.1 18.2 27.4
150 12.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 44.155 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

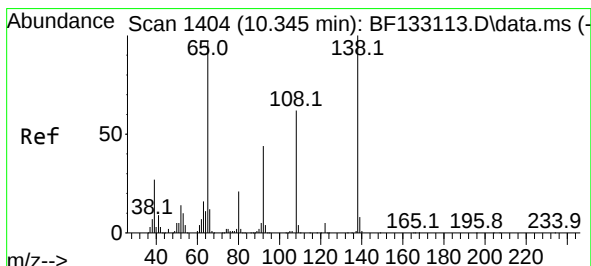
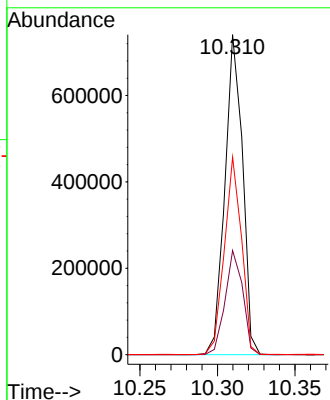
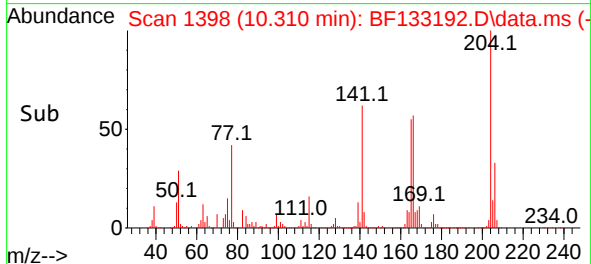
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:204 Resp: 58605
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 61.8 46.1 69.1

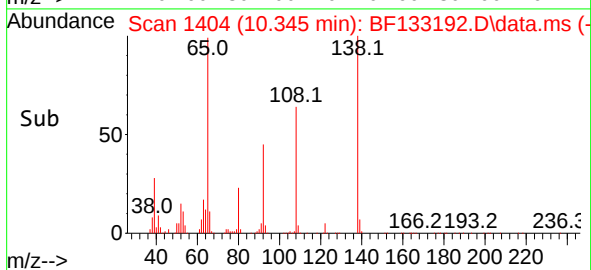
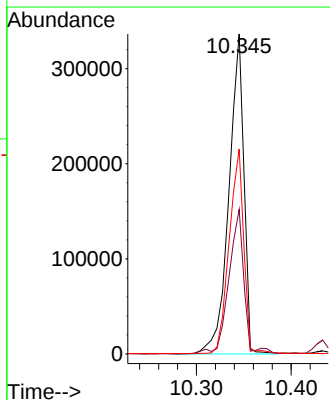
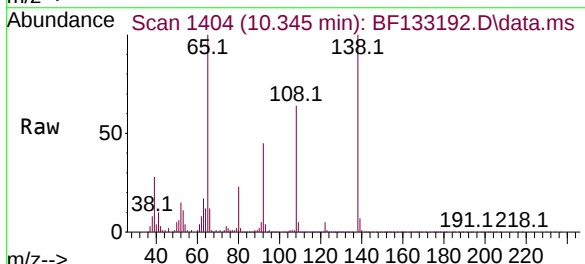
Manual Integrations
APPROVED

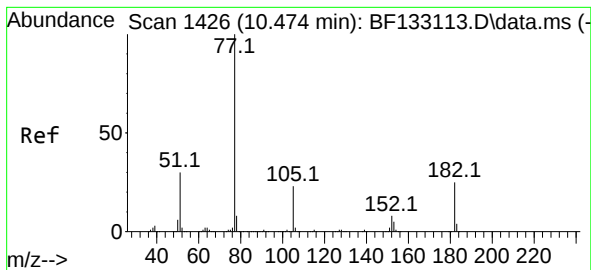
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#62
4-Nitroaniline
Concen: 49.053 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

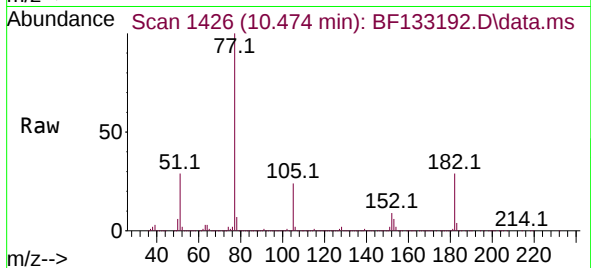
Tgt Ion:138 Resp: 369135
Ion Ratio Lower Upper
138 100
92 45.2 27.7 67.7
108 64.1 45.2 85.2





#63
Azobenzene
Concen: 50.199 ng
RT: 10.474 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

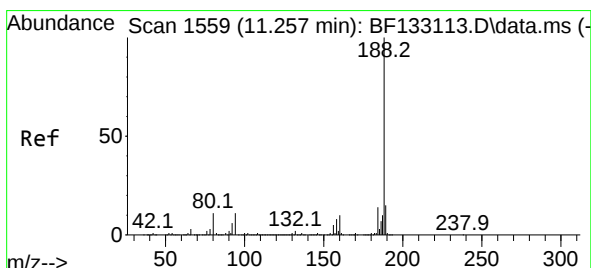
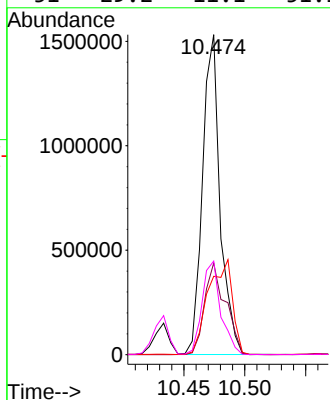
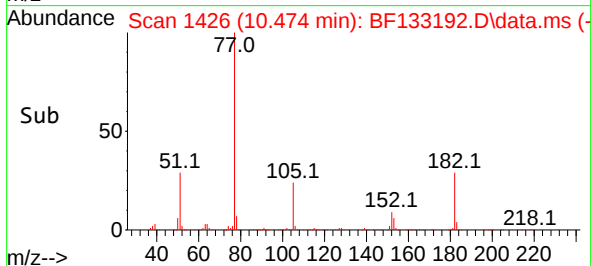
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion: 77 Resp: 153675
Ion Ratio Lower Upper
77 100
182 28.7 5.9 45.9
105 24.5 2.3 42.3
51 29.2 11.1 51.1

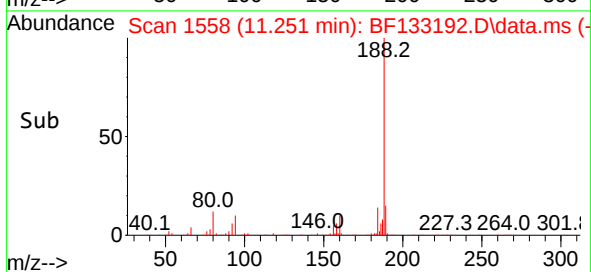
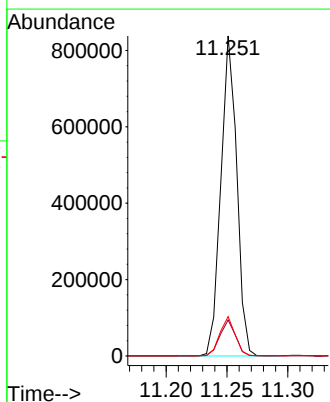
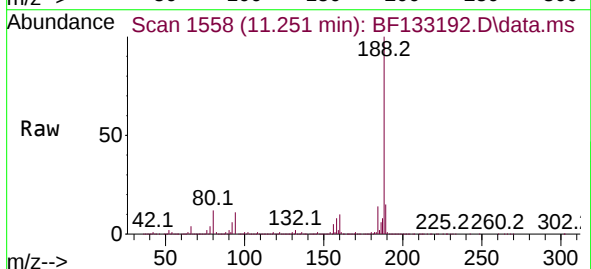
Manual Integrations
APPROVED

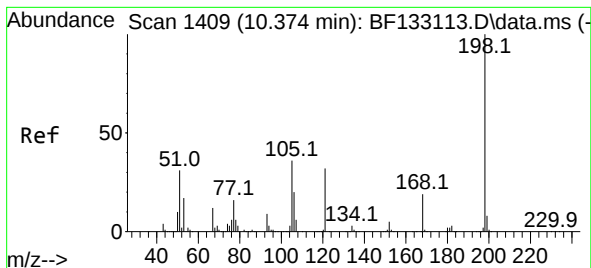
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

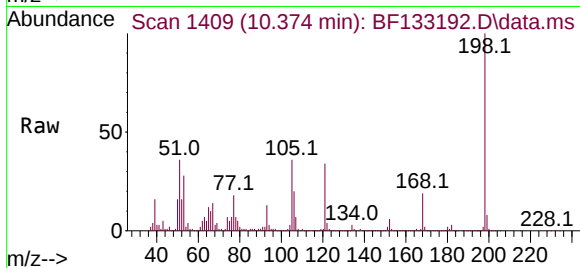
Tgt Ion:188 Resp: 763864
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 12.3 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 55.218 ng
RT: 10.374 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

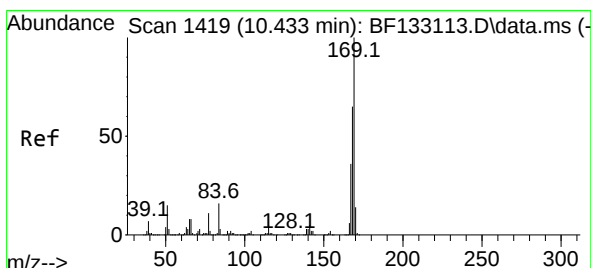
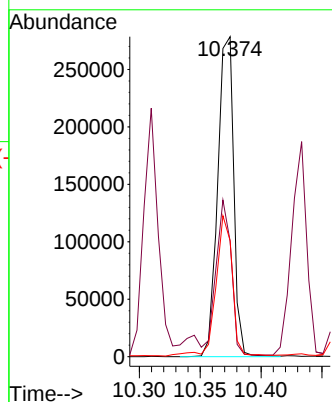
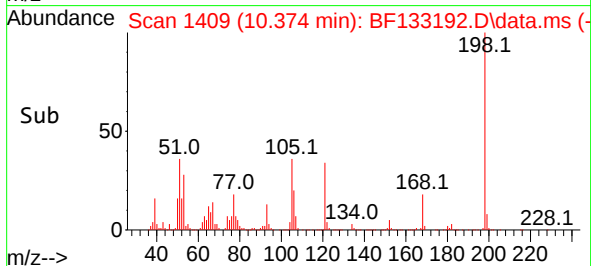
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:198 Resp: 25565
Ion Ratio Lower Upper
198 100
51 36.0 15.5 55.5
105 36.2 16.7 56.7

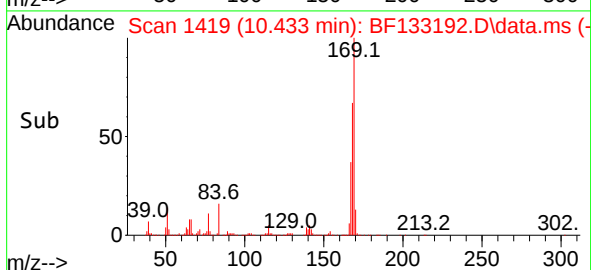
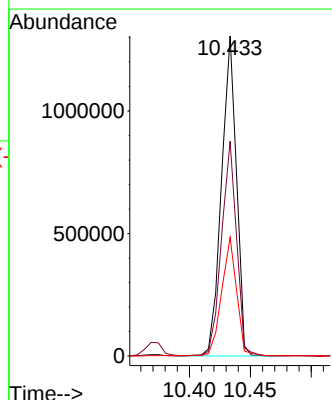
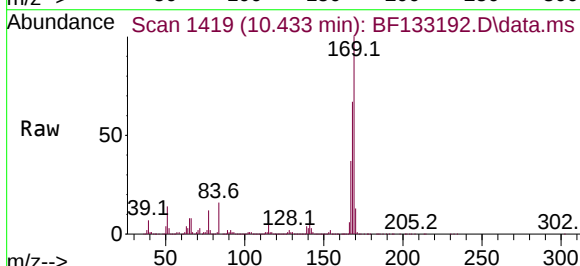
Manual Integrations
APPROVED

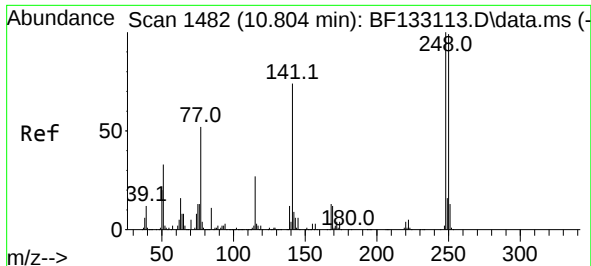
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#66
n-Nitrosodiphenylamine
Concen: 45.084 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

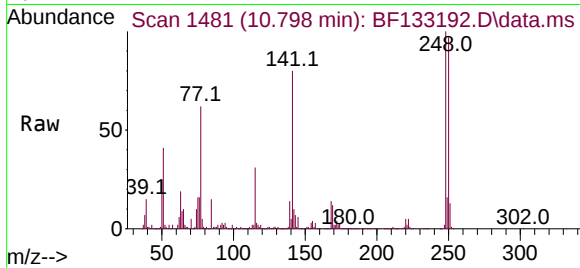
Tgt Ion:169 Resp: 1117089
Ion Ratio Lower Upper
169 100
168 67.1 53.8 80.8
167 37.0 29.7 44.5





#67
4-Bromophenyl-phenylether
Concen: 45.869 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

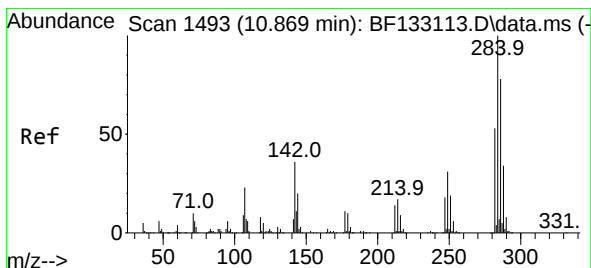
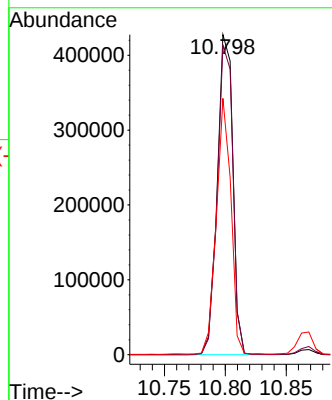
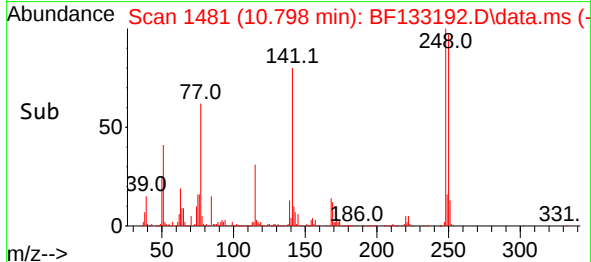
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



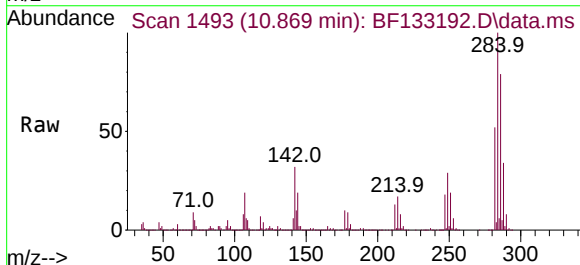
Tgt Ion:248 Resp: 380000
Ion Ratio Lower Upper
248 100
250 96.7 78.7 118.1
141 80.1 56.3 84.5

Manual Integrations
APPROVED

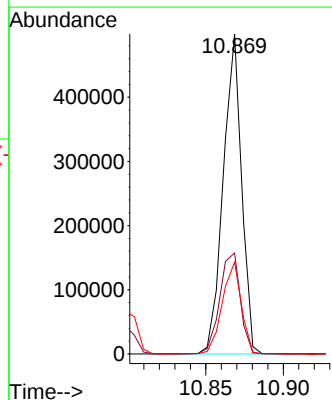
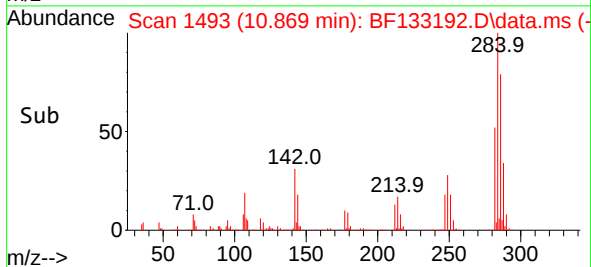
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

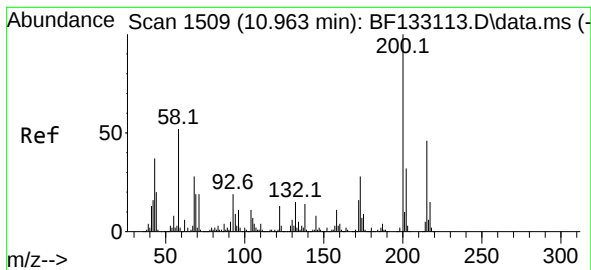


#68
Hexachlorobenzene
Concen: 48.257 ng
RT: 10.869 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:284 Resp: 409655
Ion Ratio Lower Upper
284 100
142 31.5 26.0 39.0
249 28.7 23.7 35.5





#69

Atrazine

Concen: 54.287 ng

RT: 10.963 min Scan# 1509

Delta R.T. 0.000 min

Lab File: BF133192.D

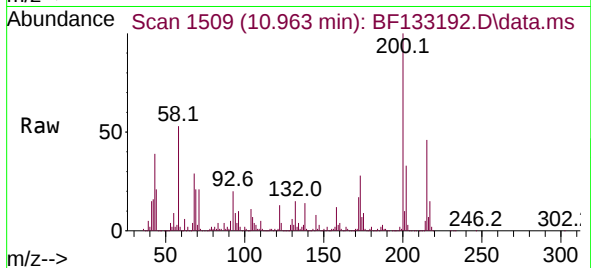
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

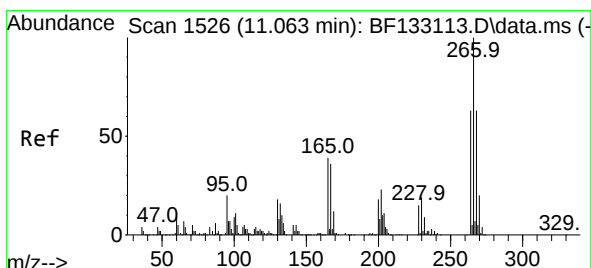
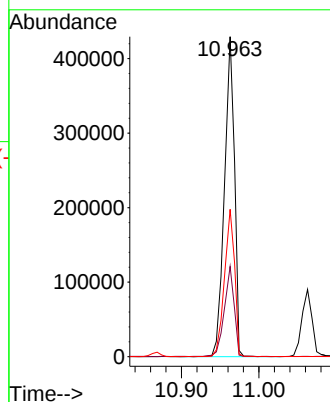
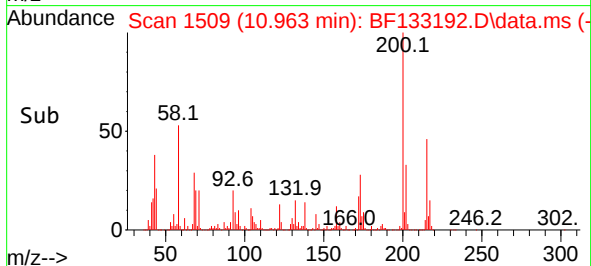


Tgt Ion:	200	Resp:	387580
Ion Ratio	Lower	Upper	
200	100		
173	28.2	6.2	46.2
215	46.1	26.3	66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#70

Pentachlorophenol

Concen: 78.266 ng

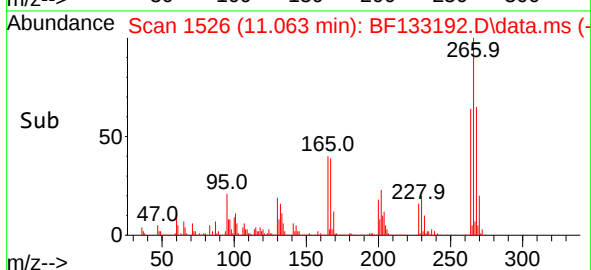
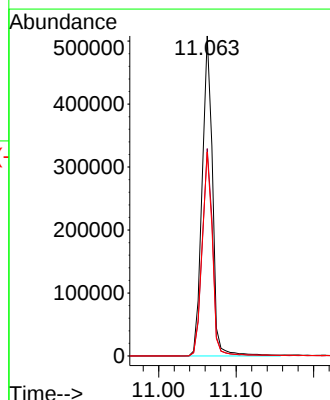
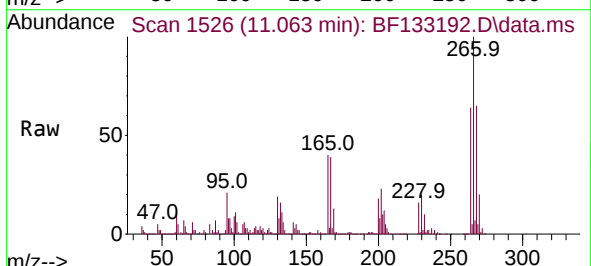
RT: 11.063 min Scan# 1526

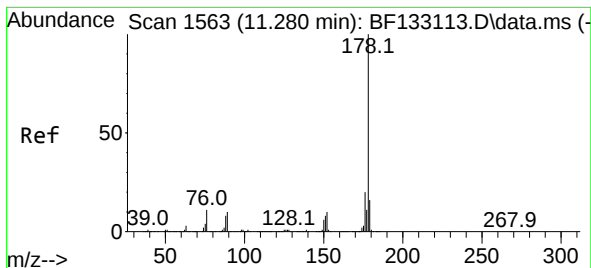
Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

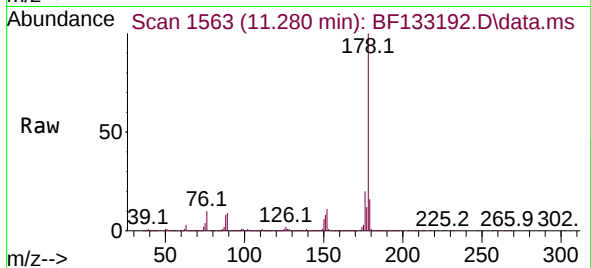
Tgt Ion:	266	Resp:	473187
Ion Ratio	Lower	Upper	
266	100		
268	64.8	48.8	73.2
264	63.7	50.6	76.0





#71
Phenanthrene
Concen: 48.574 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

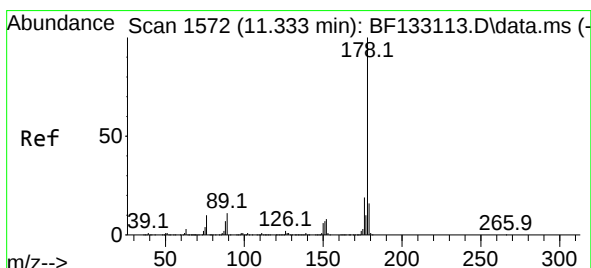
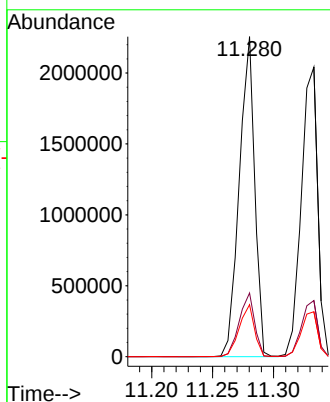
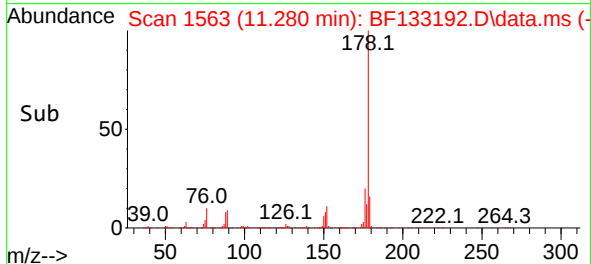
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:178 Resp: 1994230
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 16.3 12.5 18.7

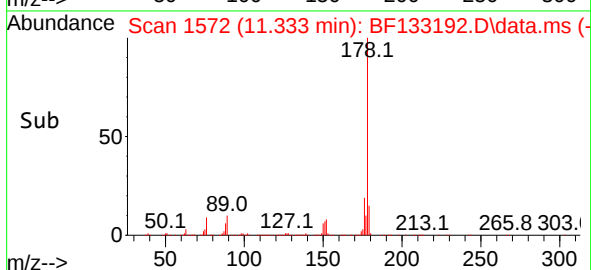
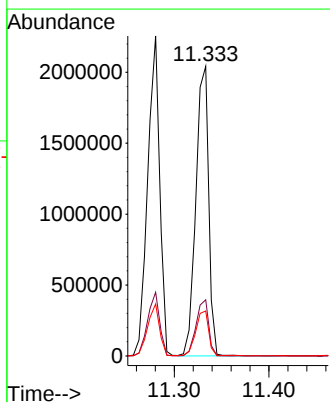
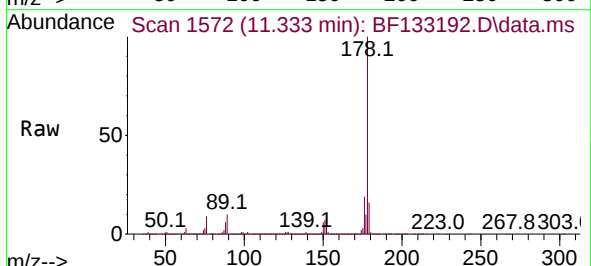
Manual Integrations
APPROVED

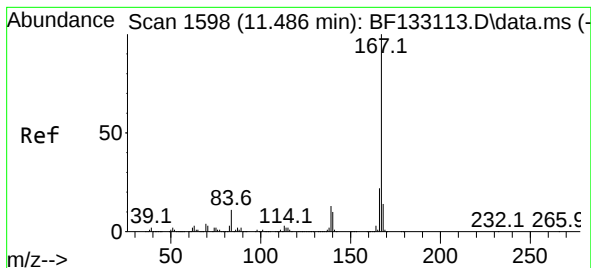
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#72
Anthracene
Concen: 45.725 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

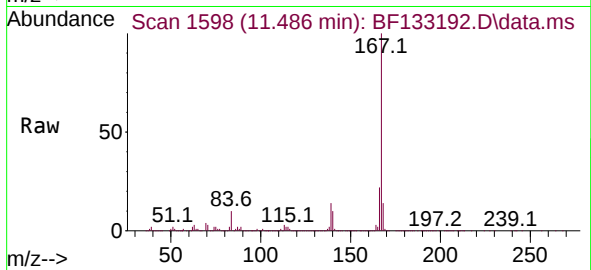
Tgt Ion:178 Resp: 1921159
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 45.863 ng
 RT: 11.486 min Scan# 1598
 Delta R.T. 0.000 min
 Lab File: BF133192.D
 Acq: 02 May 2023 16:50

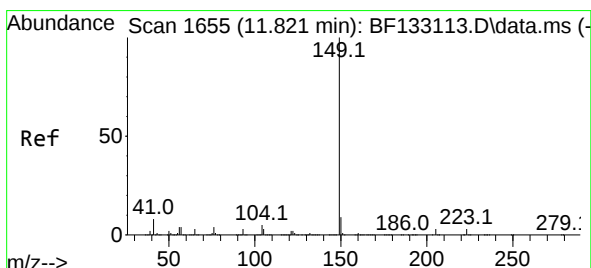
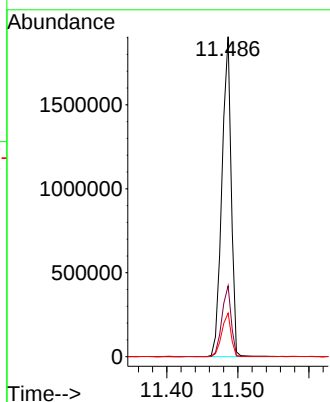
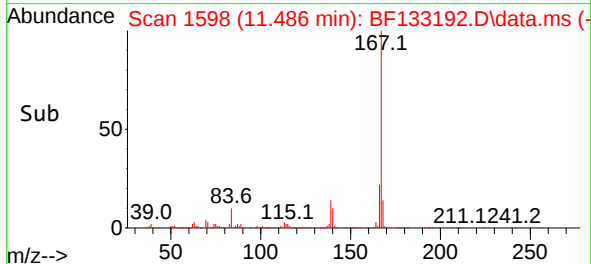
Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD



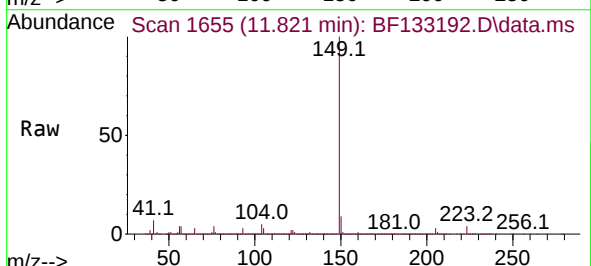
Tgt Ion:167 Resp: 1715838
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.6 10.6 16.0

Manual Integrations
 APPROVED

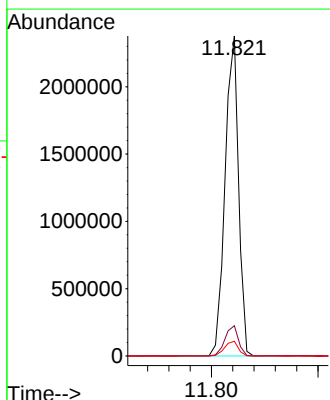
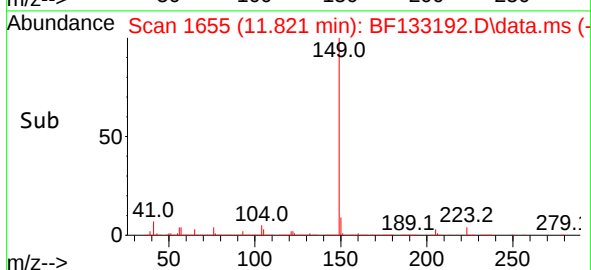
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

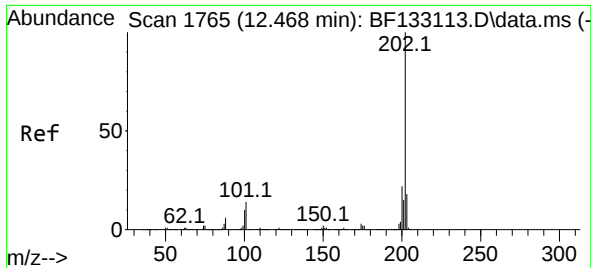


#74
 Di-n-butylphthalate
 Concen: 49.086 ng
 RT: 11.821 min Scan# 1655
 Delta R.T. 0.000 min
 Lab File: BF133192.D
 Acq: 02 May 2023 16:50



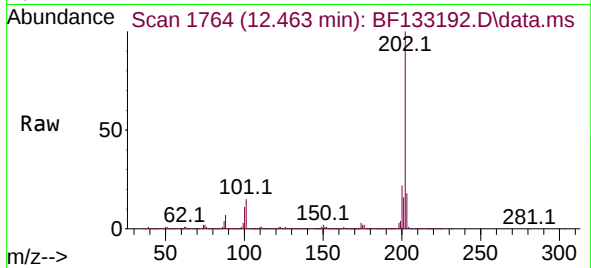
Tgt Ion:149 Resp: 2078180
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 4.6 4.0 6.0





#75
Fluoranthene
Concen: 50.285 ng
RT: 12.463 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

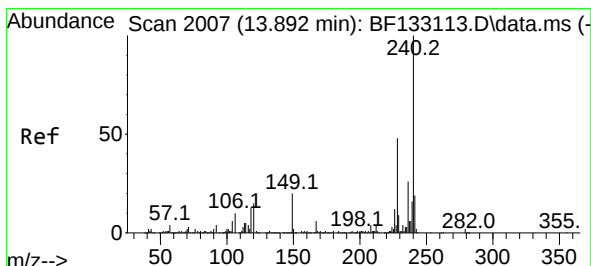
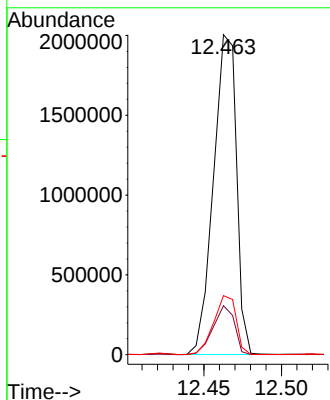
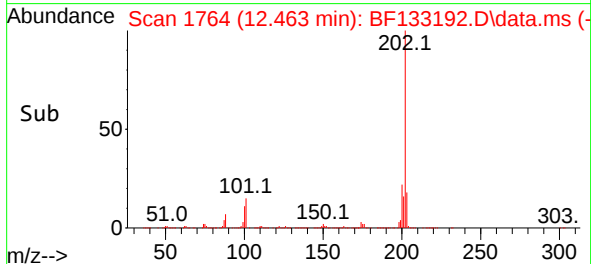
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:202 Resp: 2071940
Ion Ratio Lower Upper
202 100
101 15.3 0.0 35.3
203 18.4 0.0 38.1

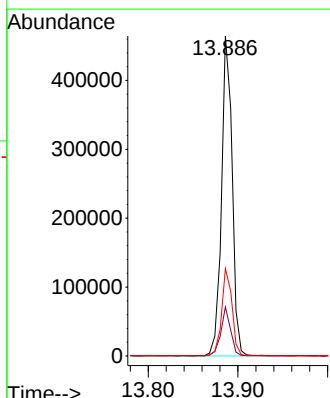
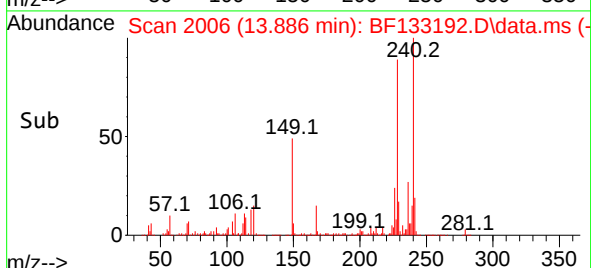
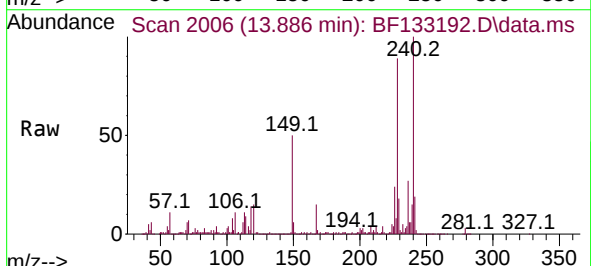
Manual Integrations
APPROVED

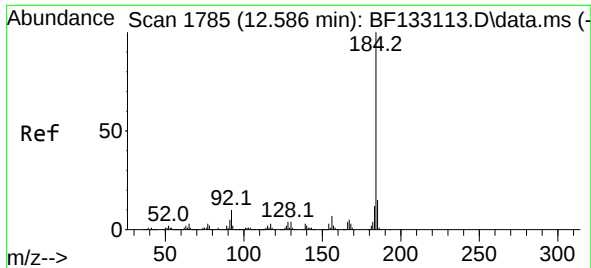
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

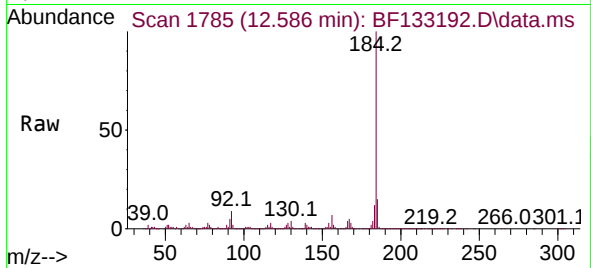
Tgt Ion:240 Resp: 383390
Ion Ratio Lower Upper
240 100
120 15.3 10.5 15.7
236 27.3 21.5 32.3





#77
Benzidine
Concen: 123.172 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

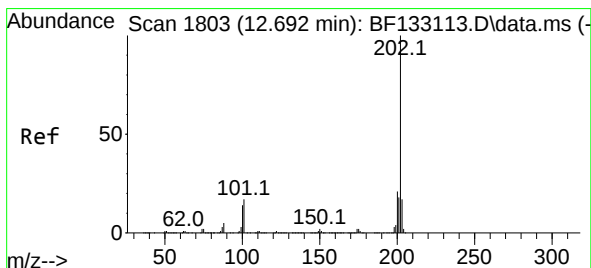
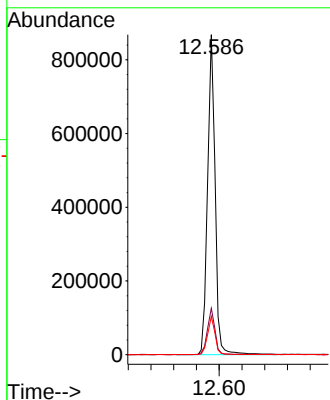
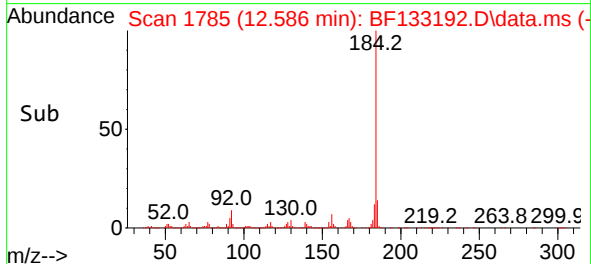
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:184 Resp: 798562
Ion Ratio Lower Upper
184 100
185 14.5 15.4 23.2
183 12.0 9.4 14.0

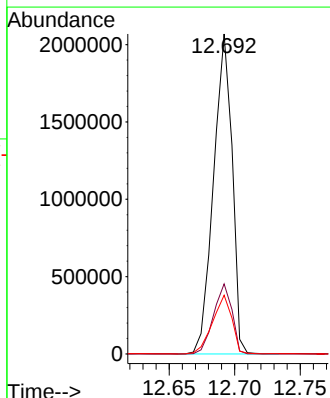
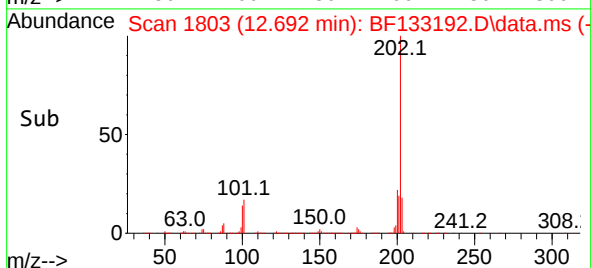
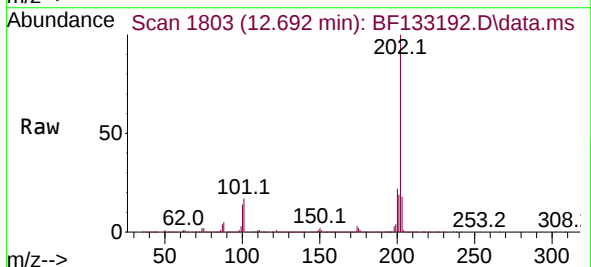
Manual Integrations
APPROVED

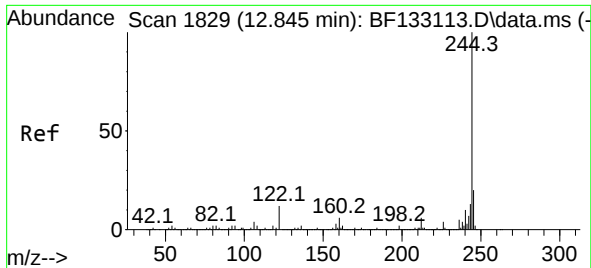
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#78
Pyrene
Concen: 61.828 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

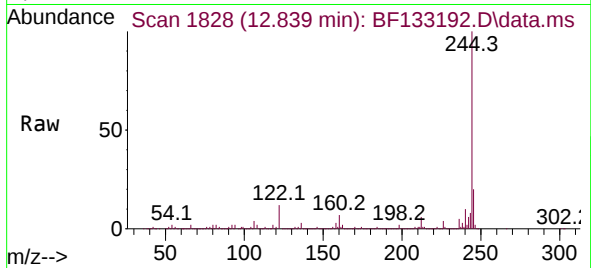
Tgt Ion:202 Resp: 2032002
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.4 14.1 21.1





#79
 Terphenyl-d14
 Concen: 82.822 ng
 RT: 12.839 min Scan# 1829
 Delta R.T. 0.000 min
 Lab File: BF133192.D
 Acq: 02 May 2023 16:50

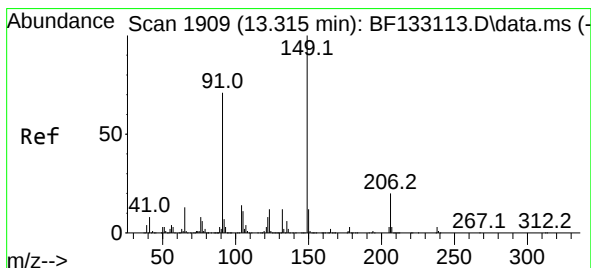
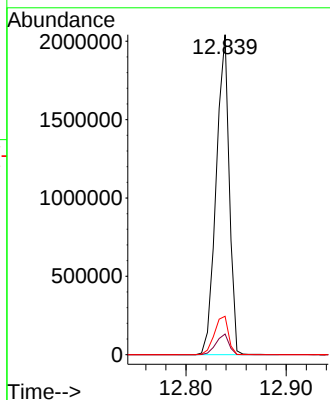
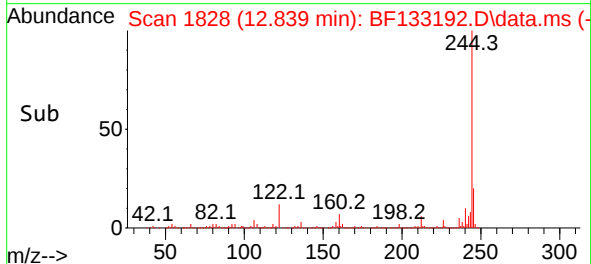
Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD



Tgt Ion:244 Resp: 1841110
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.0 8.6 13.0

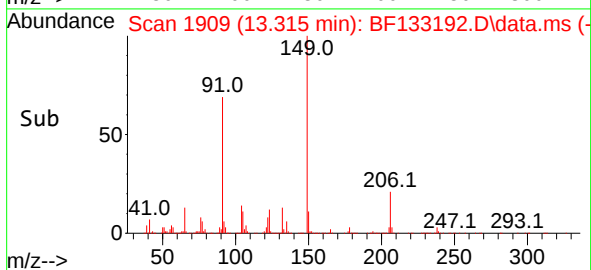
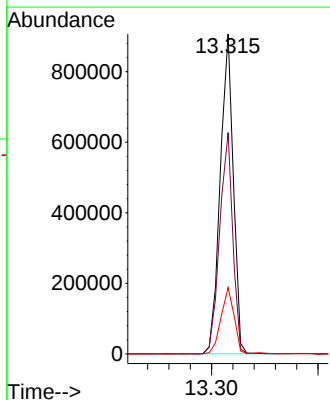
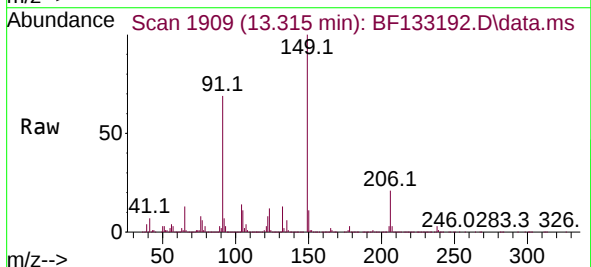
Manual Integrations
 APPROVED

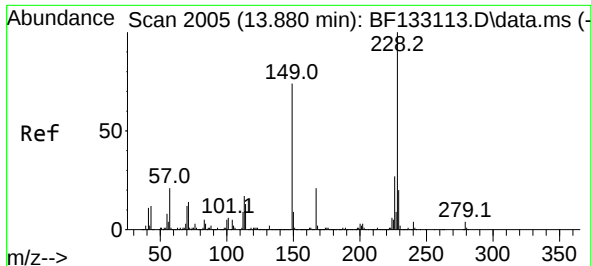
Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#80
 Butylbenzylphthalate
 Concen: 66.095 ng
 RT: 13.315 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: BF133192.D
 Acq: 02 May 2023 16:50

Tgt Ion:149 Resp: 769131
 Ion Ratio Lower Upper
 149 100
 91 69.2 53.8 80.6
 206 20.8 17.5 26.3





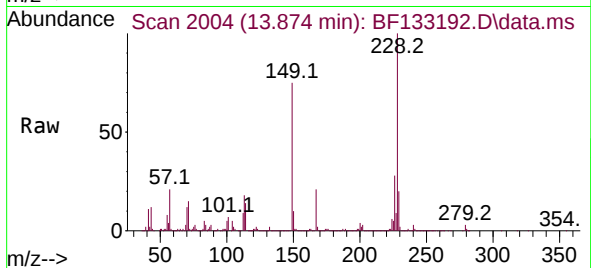
#81
Benzo(a)anthracene
Concen: 49.156 ng
RT: 13.874 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

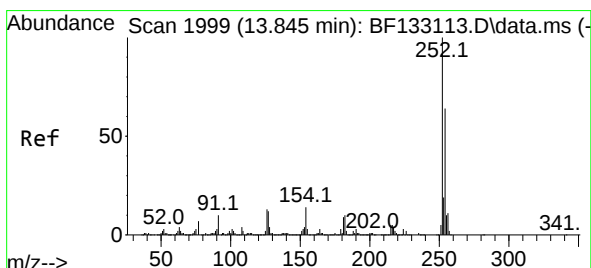
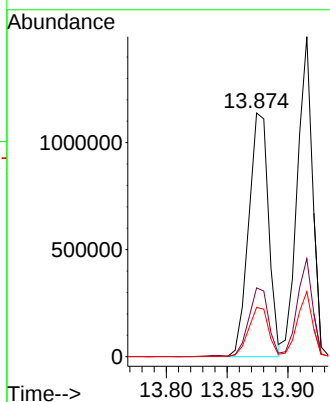
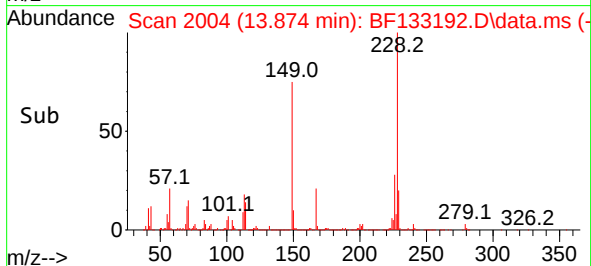


Tgt Ion:228 Resp: 1295974
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.4
229 20.2 16.0 24.0

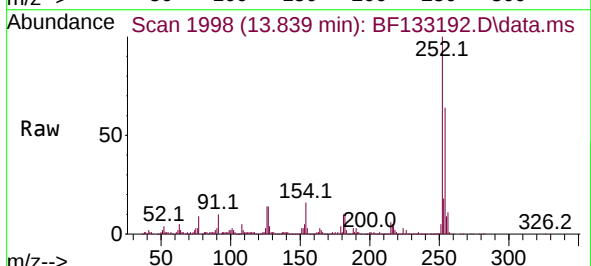
Manual Integrations

APPROVED

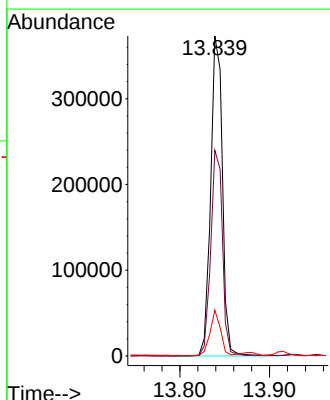
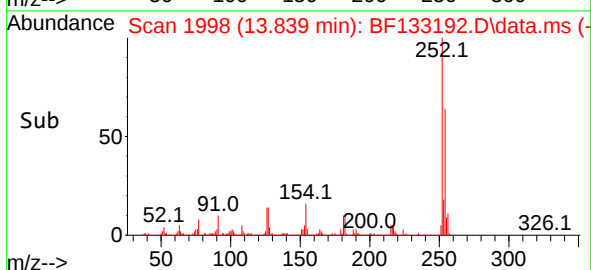
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

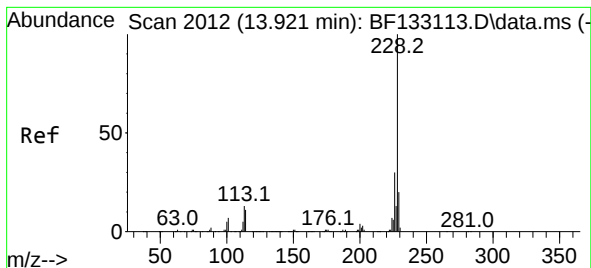


#82
3,3'-Dichlorobenzidine
Concen: 46.558 ng
RT: 13.839 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:252 Resp: 339090
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 14.3 9.5 14.3#





#83

Chrysene

Concen: 49.548 ng

RT: 13.915 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:228 Resp: 130599

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

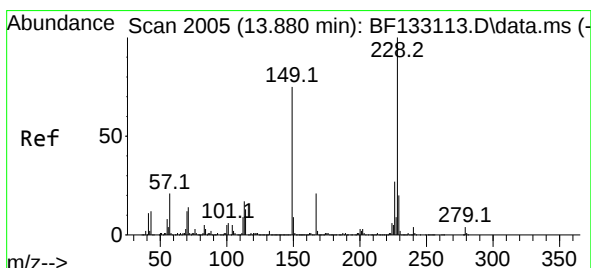
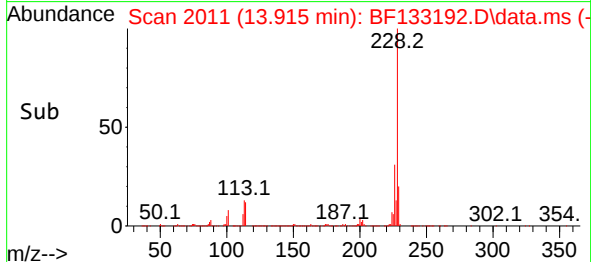
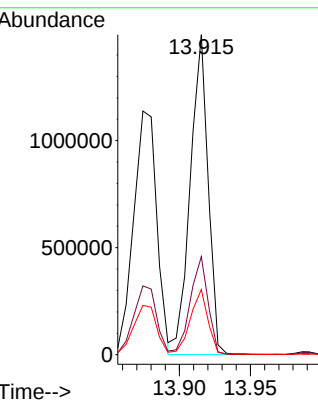
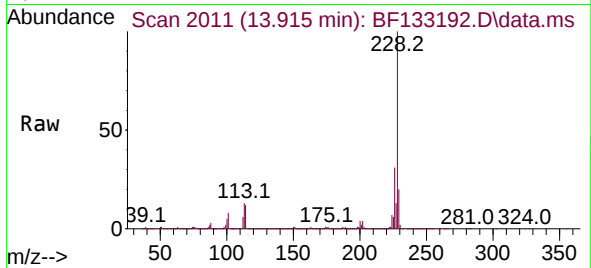
229 20.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.914 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

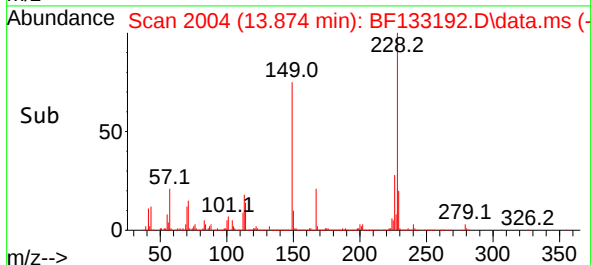
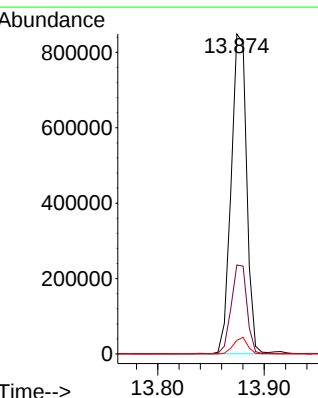
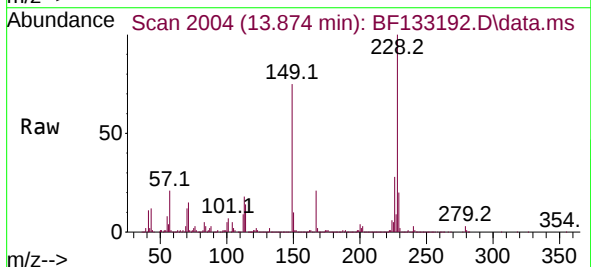
Tgt Ion:149 Resp: 860521

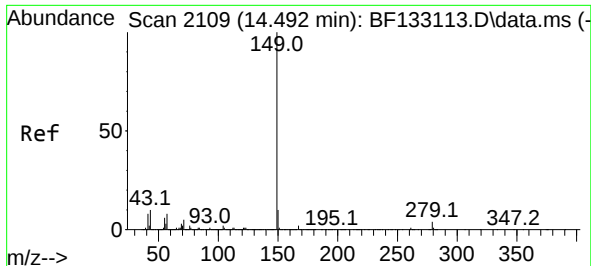
Ion Ratio Lower Upper

149 100

167 27.8 22.5 33.7

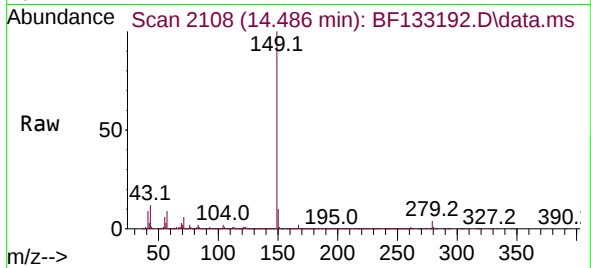
279 4.2 4.2 6.4





#85
Di-n-octyl phthalate
Concen: 59.162 ng
RT: 14.486 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

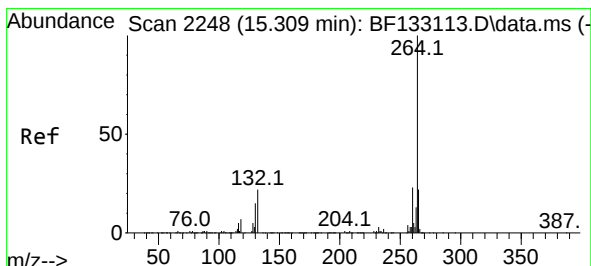
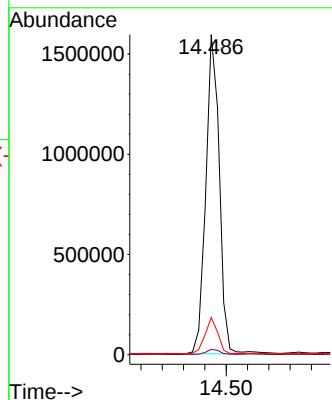
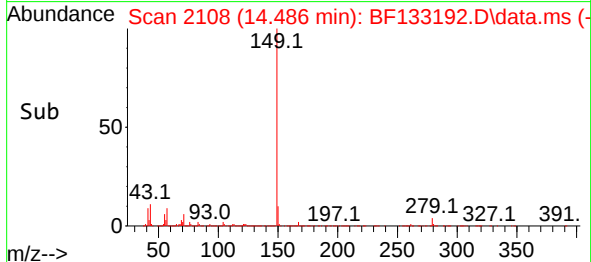
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



Tgt Ion:149 Resp: 1409019
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.6 9.5 14.3

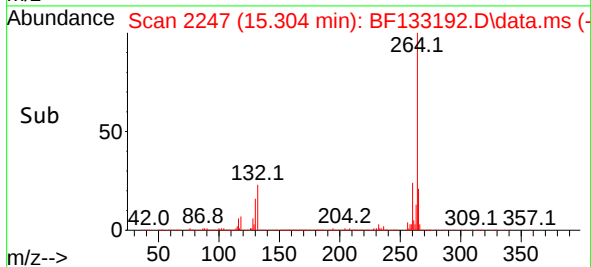
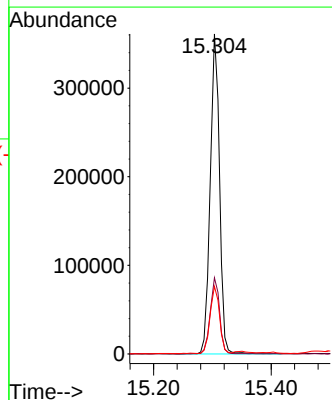
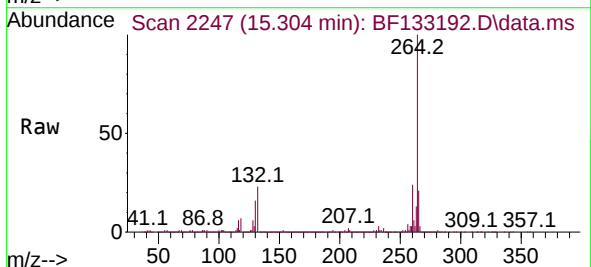
Manual Integrations
APPROVED

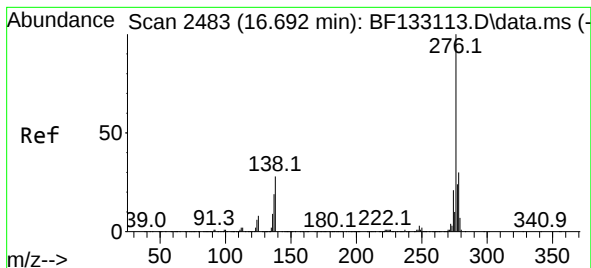
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. -0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

Tgt Ion:264 Resp: 395762
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 21.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 64.614 ng

RT: 16.692 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:276 Resp: 145456

Ion Ratio Lower Upper

276 100

138 30.8 25.5 38.3

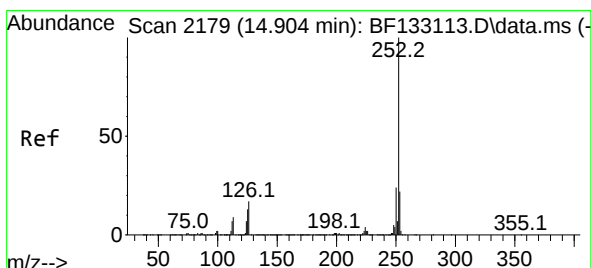
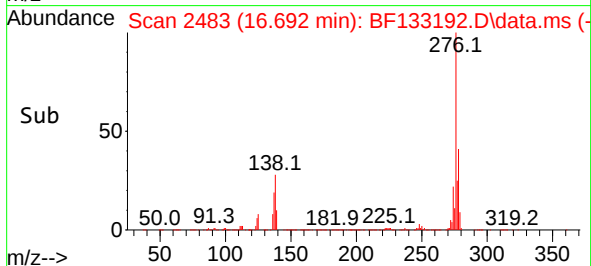
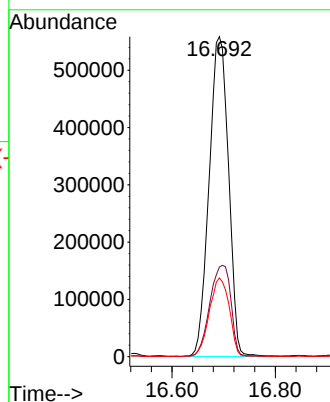
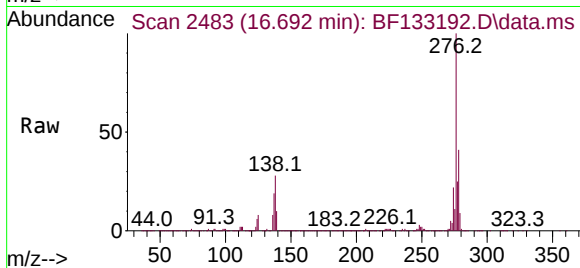
277 25.2 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#88

Benzo(b)fluoranthene

Concen: 49.929 ng

RT: 14.904 min Scan# 2179

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

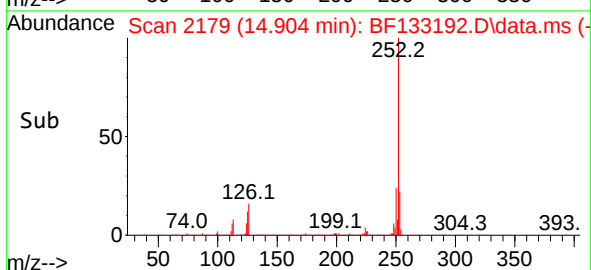
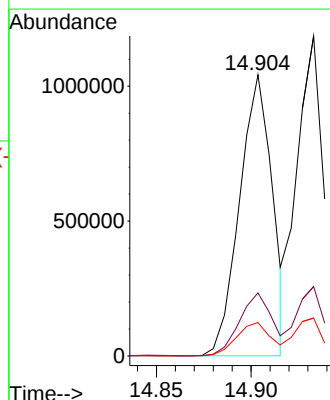
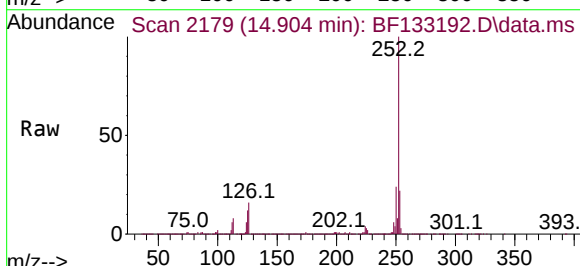
Tgt Ion:252 Resp: 1257099

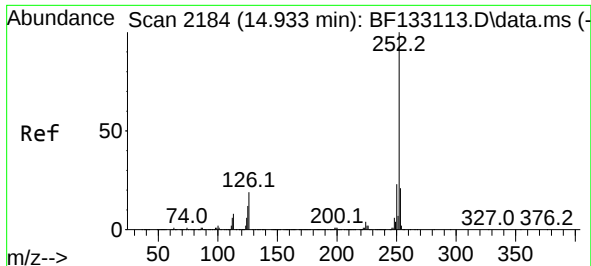
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 11.9 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 45.778 ng

RT: 14.933 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tgt Ion:252 Resp: 1142549

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

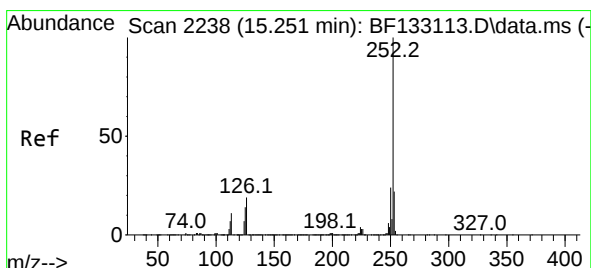
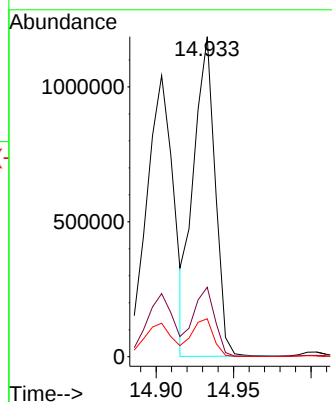
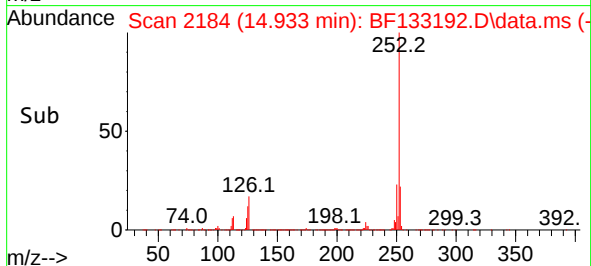
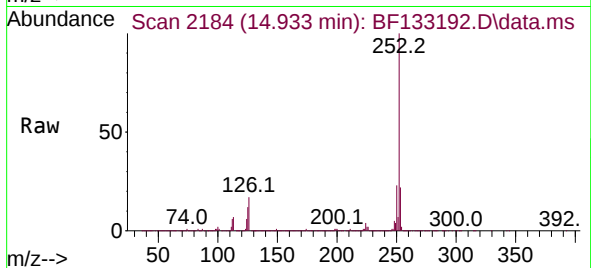
125 11.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#90

Benzo(a)pyrene

Concen: 48.021 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF133192.D

Acq: 02 May 2023 16:50

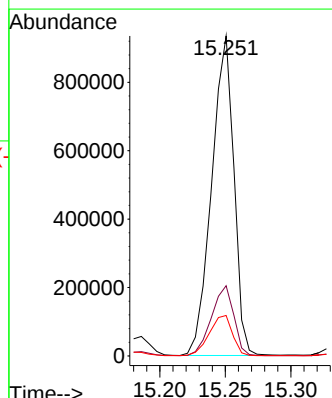
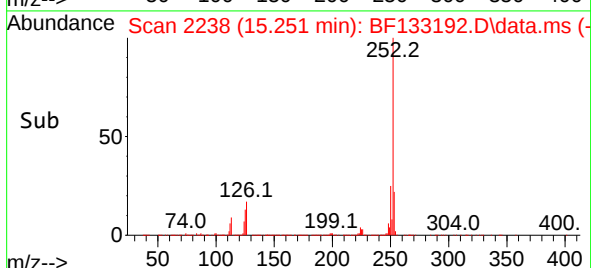
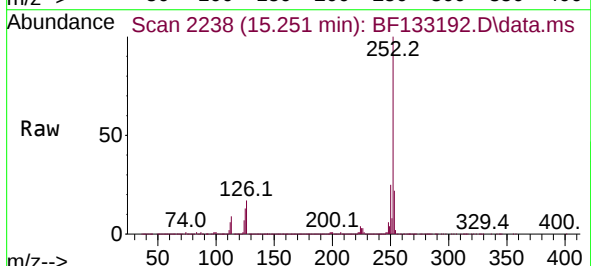
Tgt Ion:252 Resp: 1100498

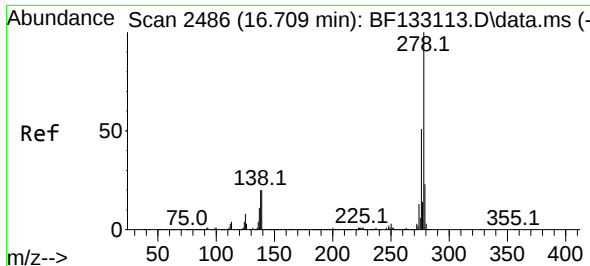
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

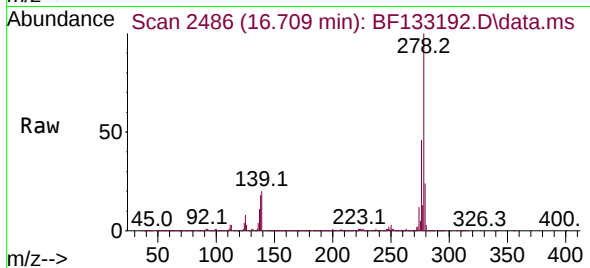
125 12.7 10.5 15.7





#91
Dibenzo(a,h)anthracene
Concen: 62.604 ng
RT: 16.709 min Scan# 2486
Delta R.T. 0.000 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50

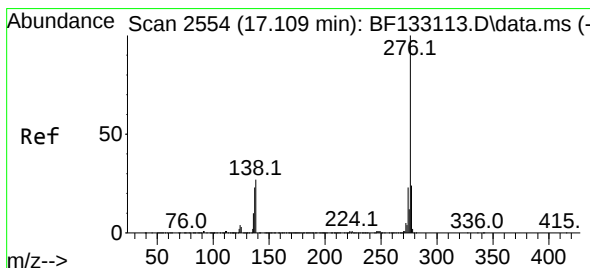
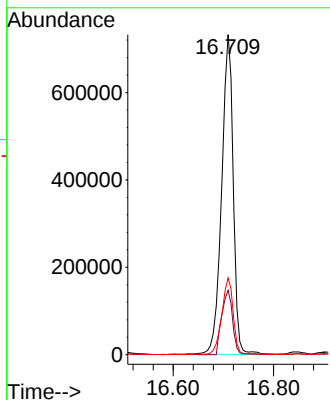
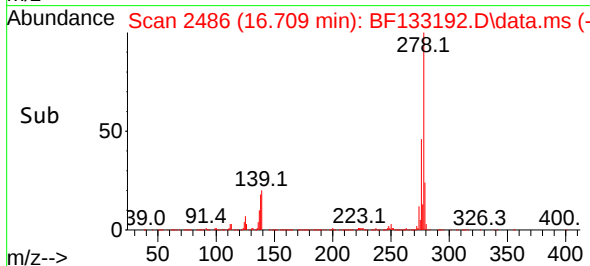
Instrument :
BNA_F
ClientSampleId :
72-11938MSD



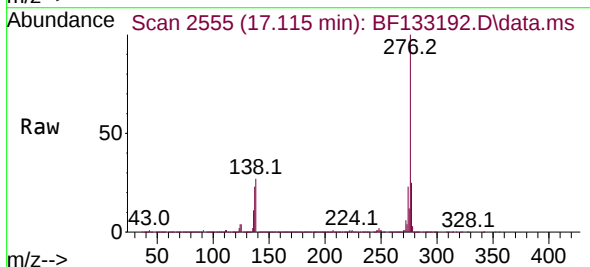
Tgt Ion:278 Resp: 117545
Ion Ratio Lower Upper
278 100
139 20.1 16.6 24.8
279 24.0 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#92
Benzo(g,h,i)perylene
Concen: 64.538 ng
RT: 17.115 min Scan# 2555
Delta R.T. 0.006 min
Lab File: BF133192.D
Acq: 02 May 2023 16:50



Tgt Ion:276 Resp: 1196324
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 27.3 22.7 34.1

