

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133385.D
 Acq On : 15 May 2023 15:32
 Operator : CG\JU
 Sample : PB152783BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB152783BS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/16/2023
 Supervised By : Yogesh Patel 05/16/2023

Quant Time: May 15 15:52:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	229796	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	913746	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	470455	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	825844	20.000	ng	0.00
76) Chrysene-d12	13.880	240	510395	20.000	ng	0.00
86) Perylene-d12	15.298	264	456796	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1411051	92.758	ng	0.02
7) Phenol-d6	6.369	99	1736355	91.961	ng	0.00
23) Nitrobenzene-d5	7.287	82	1059289	62.574	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	433171	91.554	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1854831	65.960	ng	0.00
79) Terphenyl-d14	12.827	244	1939478	65.537	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	272905	38.677	ng	97
3) Pyridine	3.175	79	663894	35.426	ng	95
4) n-Nitrosodimethylamine	3.134	42	337868	34.807	ng	94
6) Aniline	6.381	93	762847	31.369	ng	# 41
8) 2-Chlorophenol	6.510	128	632967	40.981	ng	96
9) Benzaldehyde	6.263	77	348167	39.955	ng	98
10) Phenol	6.387	94	780290	37.460	ng	78
11) bis(2-Chloroethyl)ether	6.457	93	608451	38.926	ng	99
12) 1,3-Dichlorobenzene	6.663	146	694219	42.276	ng	96
13) 1,4-Dichlorobenzene	6.740	146	693174	42.119	ng	98
14) 1,2-Dichlorobenzene	6.892	146	647821	42.696	ng	98
15) Benzyl Alcohol	6.869	79	485246	37.205	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.004	45	972052	35.805	ng	91
17) 2-Methylphenol	6.987	107	538191	38.054	ng	97
18) Hexachloroethane	7.234	117	245018	42.822	ng	97
19) n-Nitroso-di-n-propyla...	7.145	70	417999	35.560	ng	91
20) 3+4-Methylphenols	7.145	107	648913	38.961	ng	# 68
22) Acetophenone	7.134	105	884828	41.803	ng	# 93
24) Nitrobenzene	7.310	77	657536	38.331	ng	99
25) Isophorone	7.545	82	1233501	38.377	ng	98
26) 2-Nitrophenol	7.622	139	368447	44.531	ng	98
27) 2,4-Dimethylphenol	7.669	122	592124	41.736	ng	97
28) bis(2-Chloroethoxy)met...	7.763	93	744961	39.179	ng	99
29) 2,4-Dichlorophenol	7.869	162	540800	41.872	ng	99
30) 1,2,4-Trichlorobenzene	7.951	180	561426	41.959	ng	99
31) Naphthalene	8.028	128	1810246	39.625	ng	99
32) Benzoic acid	7.810	122	339982	38.795	ng	94
33) 4-Chloroaniline	8.081	127	446192	24.173	ng	98
34) Hexachlorobutadiene	8.145	225	300892	40.573	ng	99
35) Caprolactam	8.457	113	187896m	43.306	ng	
36) 4-Chloro-3-methylphenol	8.575	107	572785	41.126	ng	97
37) 2-Methylnaphthalene	8.722	142	1196539	38.310	ng	98
38) 1-Methylnaphthalene	8.816	142	1127674	38.595	ng	97
40) 1,2,4,5-Tetrachloroben...	8.886	216	500639	39.579	ng	99
41) Hexachlorocyclopentadiene	8.875	237	568159	77.017	ng	98
43) 2,4,6-Trichlorophenol	9.004	196	350940	40.117	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133385.D
 Acq On : 15 May 2023 15:32
 Operator : CG\JU
 Sample : PB152783BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB152783BS

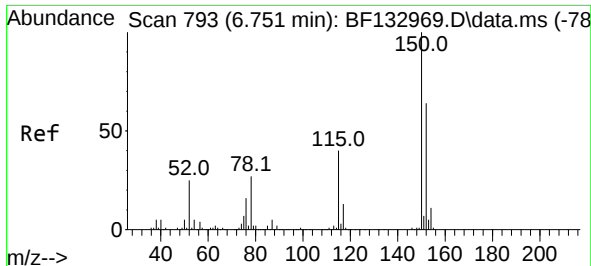
Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/16/2023
 Supervised By : Yogesh Patel 05/16/2023

Quant Time: May 15 15:52:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.045	196	375802	37.145	ng	98
46) 1,1'-Biphenyl	9.186	154	1466219	39.304	ng	98
47) 2-Chloronaphthalene	9.210	162	1108908	40.612	ng	98
48) 2-Nitroaniline	9.310	65	350933	38.888	ng	91
49) Acenaphthylene	9.622	152	1687479	38.678	ng	100
50) Dimethylphthalate	9.486	163	1297473	39.552	ng	99
51) 2,6-Dinitrotoluene	9.551	165	299039	40.502	ng	89
52) Acenaphthene	9.792	154	1249918m	42.775	ng	
53) 3-Nitroaniline	9.716	138	258910	29.492	ng	97
54) 2,4-Dinitrophenol	9.833	184	318808	85.904	ng	# 88
55) Dibenzofuran	9.969	168	1504640	37.749	ng	99
56) 4-Nitrophenol	9.898	139	473209	69.595	ng	97
57) 2,4-Dinitrotoluene	9.957	165	386056	41.001	ng	91
58) Fluorene	10.310	166	1138307	38.979	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.086	232	310974	39.648	ng	99
60) Diethylphthalate	10.186	149	1192588	38.489	ng	99
61) 4-Chlorophenyl-phenyle...	10.298	204	547812	38.494	ng	95
62) 4-Nitroaniline	10.333	138	336379	41.689	ng	98
63) Azobenzene	10.463	77	1188504	36.208	ng	97
65) 4,6-Dinitro-2-methylph...	10.369	198	218937	43.738	ng	95
66) n-Nitrosodiphenylamine	10.422	169	1036930	38.708	ng	99
67) 4-Bromophenyl-phenylether	10.792	248	340485	38.014	ng	97
68) Hexachlorobenzene	10.857	284	379120	41.308	ng	95
69) Atrazine	10.951	200	354860	45.973	ng	97
70) Pentachlorophenol	11.057	266	454225	69.491	ng	97
71) Phenanthrene	11.269	178	1702694	38.360	ng	99
72) Anthracene	11.322	178	1753143	38.594	ng	99
73) Carbazole	11.480	167	1601686	39.599	ng	100
74) Di-n-butylphthalate	11.810	149	1855974	40.547	ng	99
75) Fluoranthene	12.457	202	1712485	38.442	ng	96
77) Benzidine	12.580	184	1002462	116.146	ng	# 93
78) Pyrene	12.680	202	1735796	39.673	ng	100
80) Butylbenzylphthalate	13.304	149	757873	48.921	ng	97
81) Benzo(a)anthracene	13.874	228	1301476	37.081	ng	99
82) 3,3'-Dichlorobenzidine	13.833	252	319426	32.944	ng	99
83) Chrysene	13.910	228	1298493	37.005	ng	100
84) Bis(2-ethylhexyl)phtha...	13.863	149	886457	45.588	ng	# 99
85) Di-n-octyl phthalate	14.474	149	1415483	44.644	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	1155832	44.483	ng	100
88) Benzo(b)fluoranthene	14.898	252	1080983	37.197	ng	98
89) Benzo(k)fluoranthene	14.927	252	1069543	37.127	ng	99
90) Benzo(a)pyrene	15.245	252	930982	35.196	ng	99
91) Dibenzo(a,h)anthracene	16.704	278	951578	43.909	ng	98
92) Benzo(g,h,i)perylene	17.104	276	964954	45.101	ng	99

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



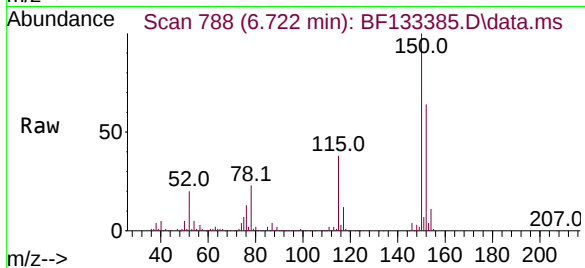
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

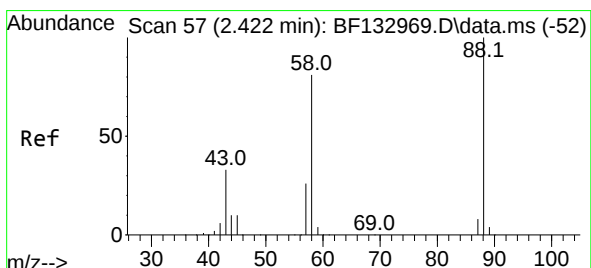
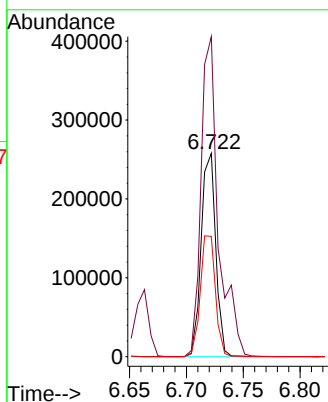
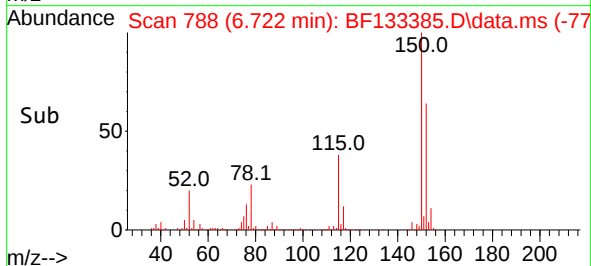


Tgt Ion:152 Resp: 229790
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 59.2 49.9 74.9

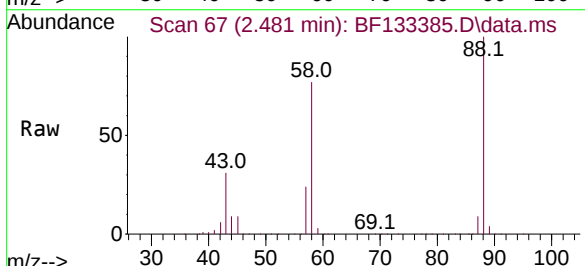
Manual Integrations

APPROVED

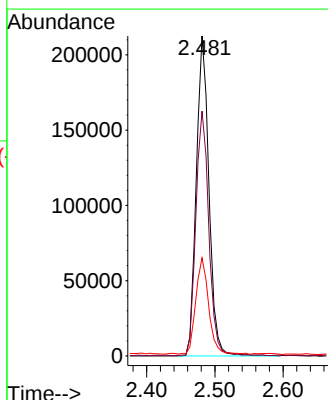
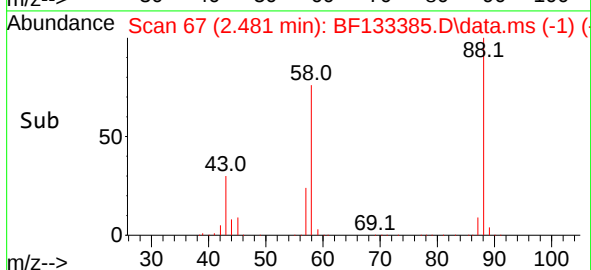
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

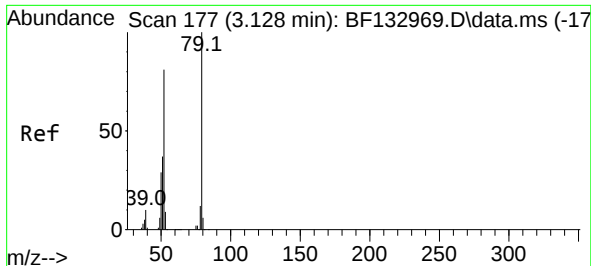


#2
1,4-Dioxane
Concen: 38.677 ng
RT: 2.481 min Scan# 67
Delta R.T. 0.118 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



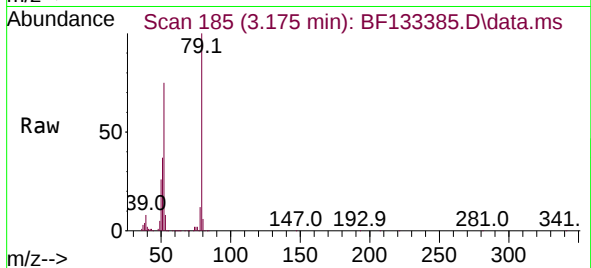
Tgt Ion: 88 Resp: 272905
Ion Ratio Lower Upper
88 100
58 78.3 64.7 97.1
43 30.9 26.2 39.2





#3
Pyridine
Concen: 35.426 ng
RT: 3.175 min Scan# 11
Delta R.T. 0.118 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

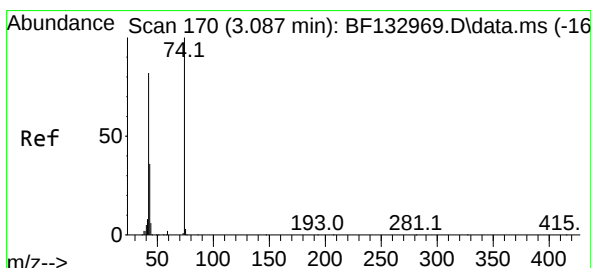
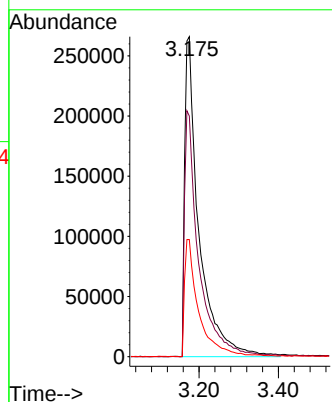
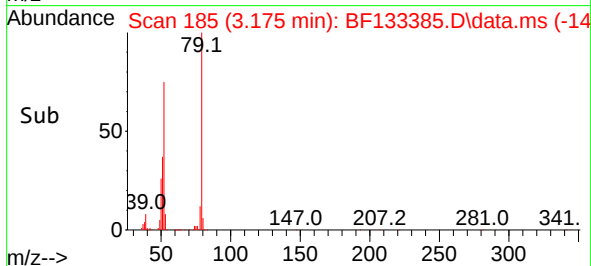
Instrument :
BNA_F
ClientSampleId :
PB152783BS



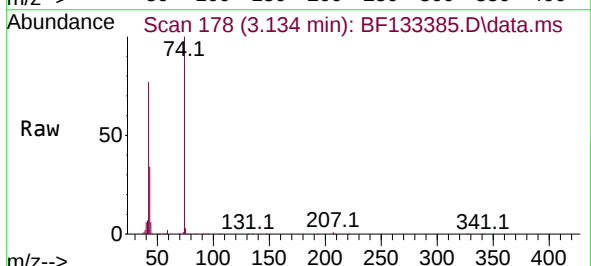
Tgt Ion: 79 Resp: 663894
Ion Ratio Lower Upper
79 100
52 75.2 64.6 96.8
51 36.6 30.0 45.0

Manual Integrations
APPROVED

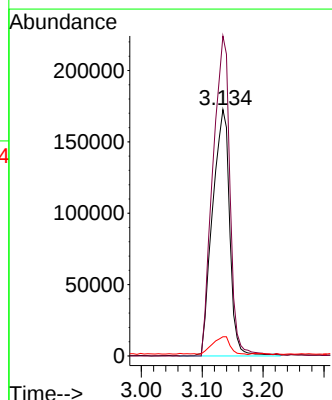
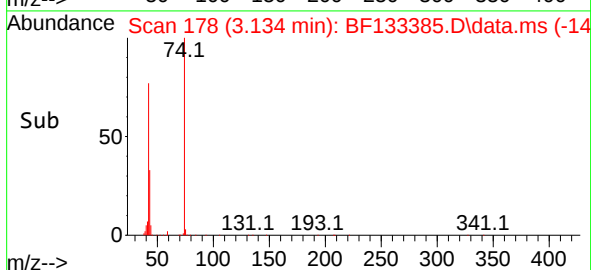
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

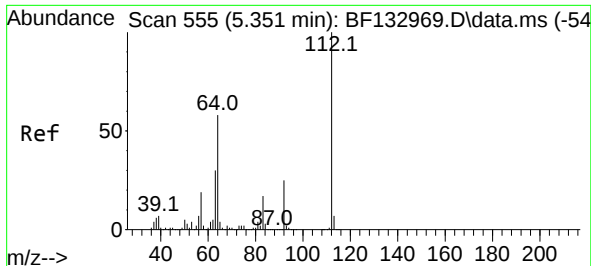


#4
n-Nitrosodimethylamine
Concen: 34.807 ng
RT: 3.134 min Scan# 178
Delta R.T. 0.112 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



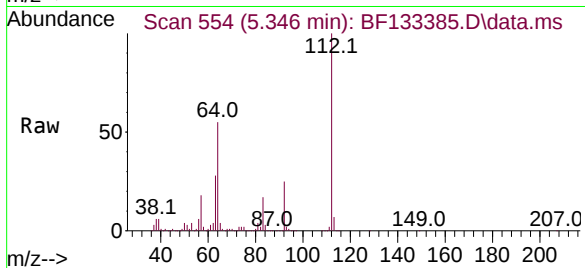
Tgt Ion: 42 Resp: 337868
Ion Ratio Lower Upper
42 100
74 129.9 98.0 147.0
44 7.8 5.8 8.8





#5
2-Fluorophenol
Concen: 92.758 ng
RT: 5.346 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

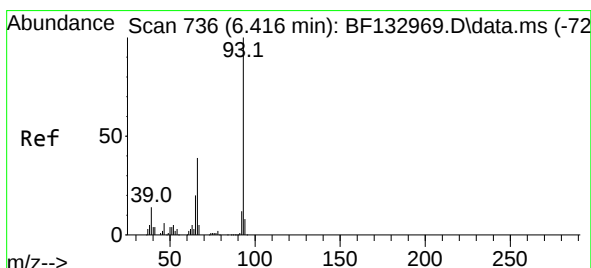
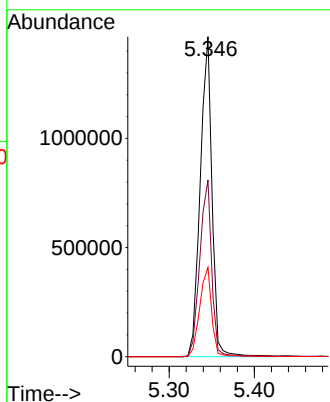
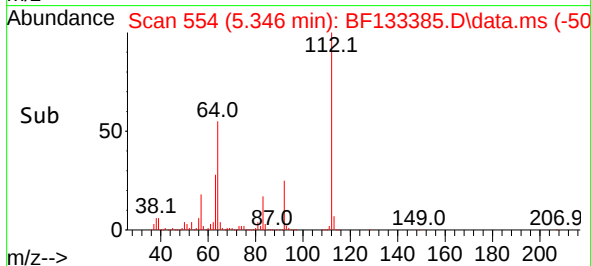
Instrument :
BNA_F
ClientSampleId :
PB152783BS



Tgt Ion:112 Resp: 141105
Ion Ratio Lower Upper
112 100
64 55.3 46.8 70.2
63 27.9 23.8 35.8

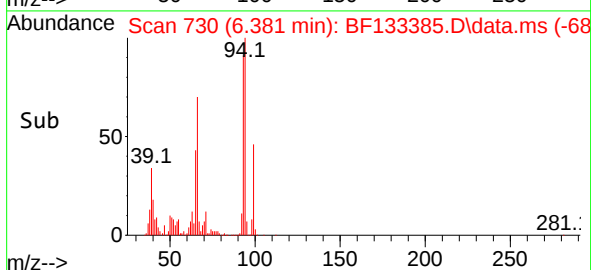
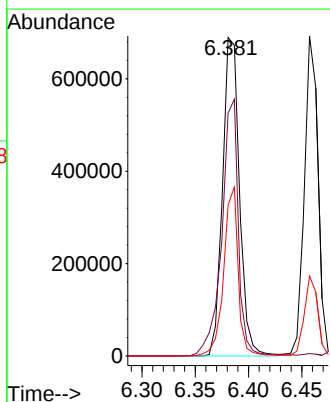
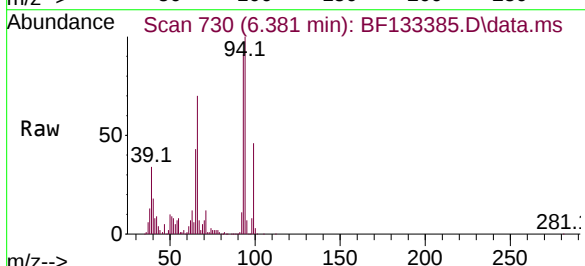
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#6
Aniline
Concen: 31.369 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion: 93 Resp: 762847
Ion Ratio Lower Upper
93 100
66 76.3 31.5 47.3#
65 47.4 16.4 24.6#





#7

Phenol-d6

Concen: 91.961 ng

RT: 6.369 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion: 99 Resp: 173635

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

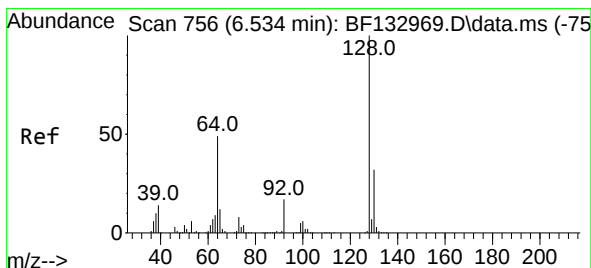
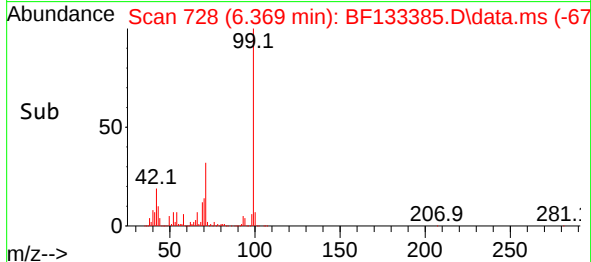
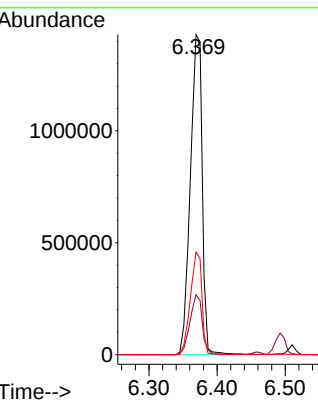
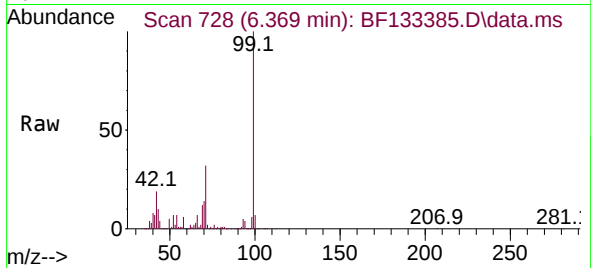
71 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#8

2-Chlorophenol

Concen: 40.981 ng

RT: 6.510 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

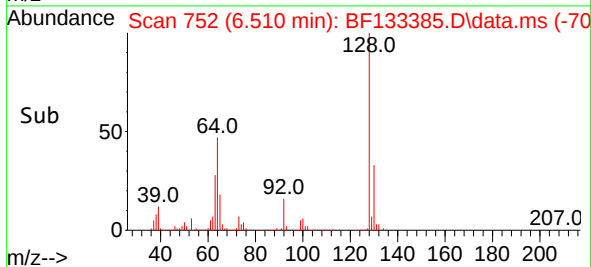
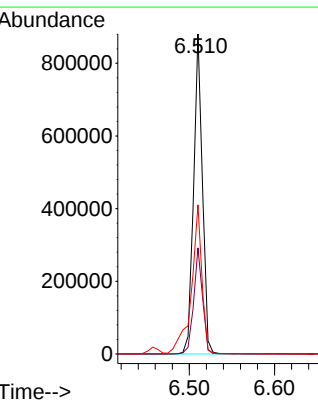
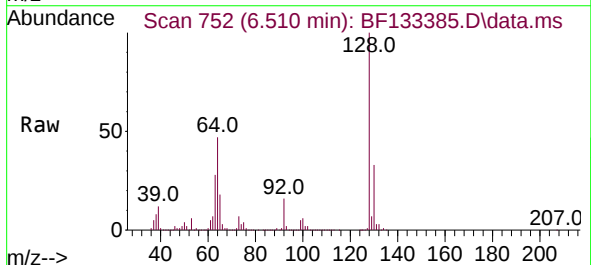
Tgt Ion:128 Resp: 632967

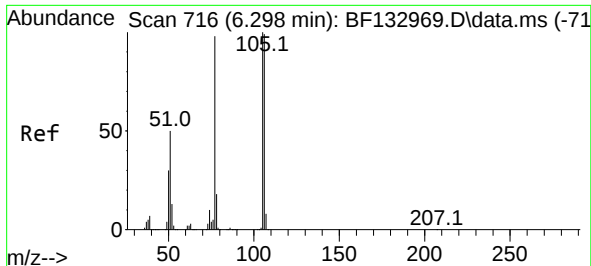
Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

64 46.6 30.3 70.3





#9

Benzaldehyde

Concen: 39.955 ng

RT: 6.263 min Scan# 716

Delta R.T. -0.006 min

Lab File: BF133385.D

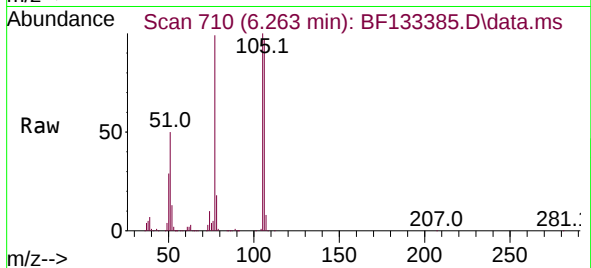
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS



Tgt Ion: 77 Resp: 34816

Ion Ratio Lower Upper

77 100

105 101.2 82.3 122.3

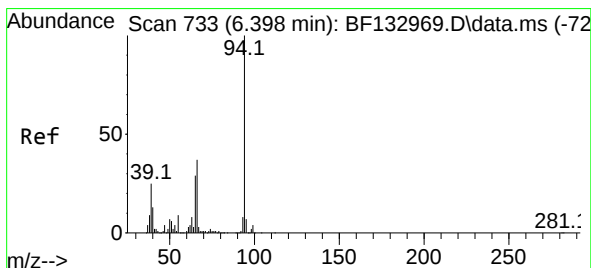
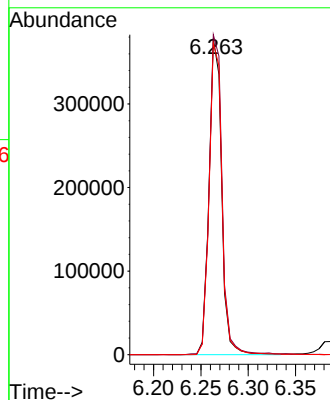
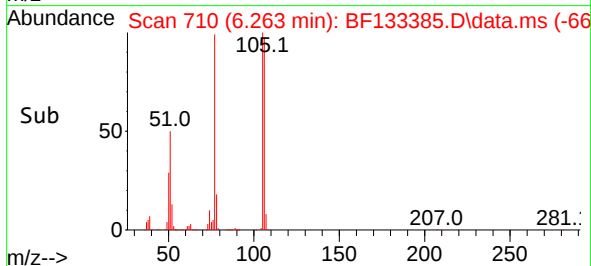
106 98.7 80.8 120.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#10

Phenol

Concen: 37.460 ng

RT: 6.387 min Scan# 731

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

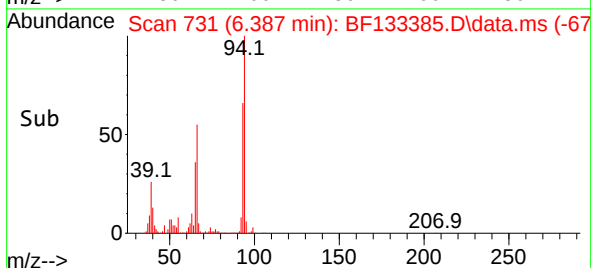
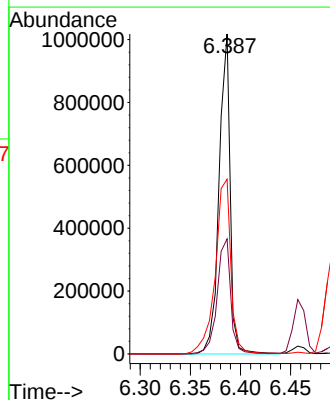
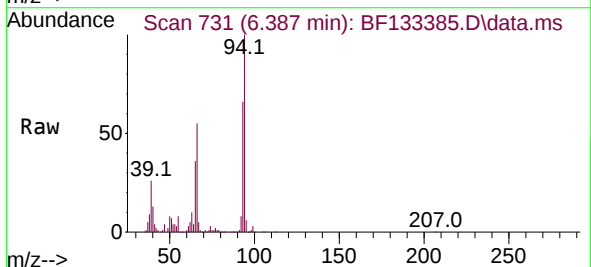
Tgt Ion: 94 Resp: 780290

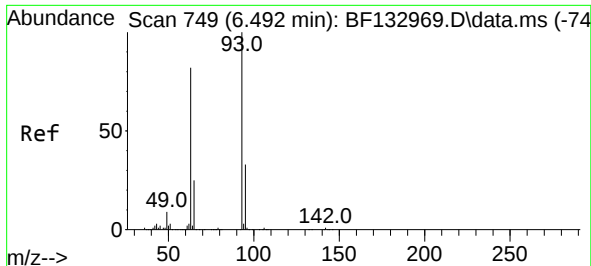
Ion Ratio Lower Upper

94 100

65 35.9 8.6 48.6

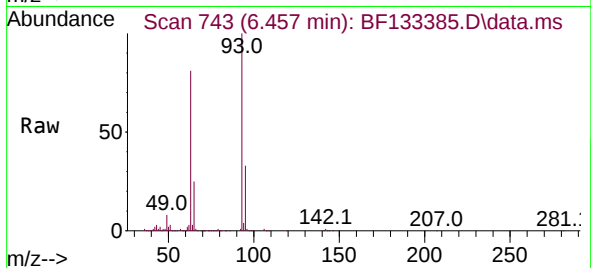
66 54.6 17.3 57.3





#11
bis(2-Chloroethyl)ether
Concen: 38.926 ng
RT: 6.457 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

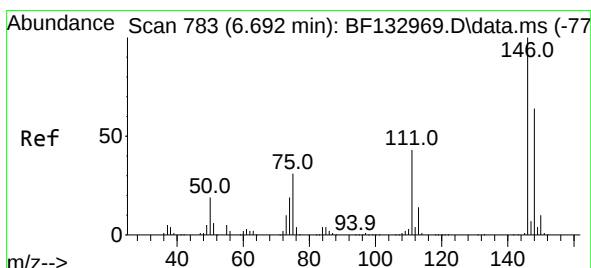
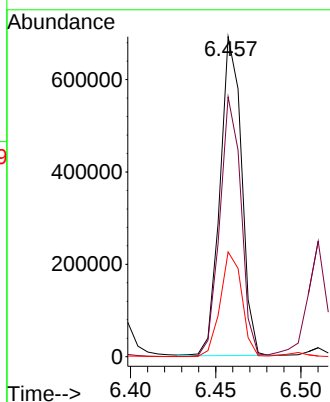
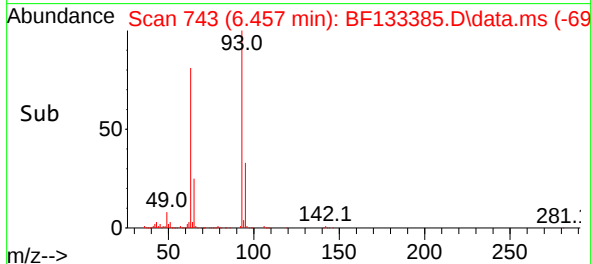
Instrument :
BNA_F
ClientSampleId :
PB152783BS



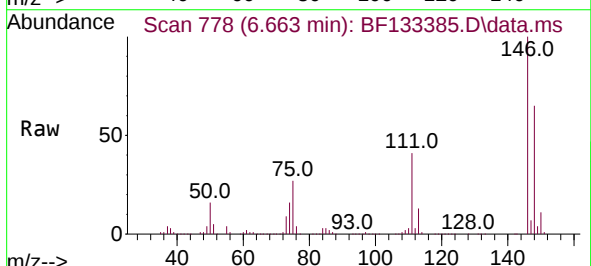
Tgt Ion: 93 Resp: 60845
Ion Ratio Lower Upper
93 100
63 81.2 60.6 100.6
95 32.8 12.9 52.9

Manual Integrations
APPROVED

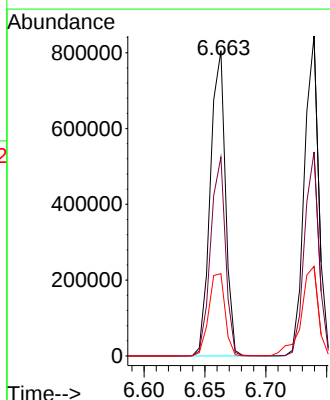
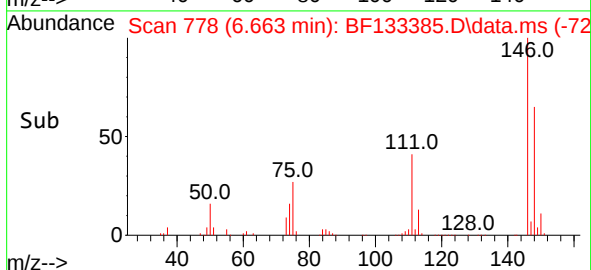
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

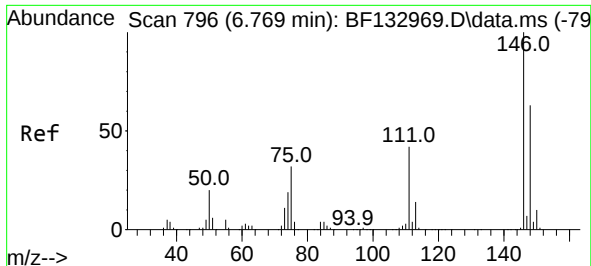


#12
1,3-Dichlorobenzene
Concen: 42.276 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:146 Resp: 694219
Ion Ratio Lower Upper
146 100
148 65.1 51.0 76.4
75 27.0 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 42.119 ng

RT: 6.740 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:146 Resp: 693174

Ion Ratio Lower Upper

146 100

148 63.7 50.3 75.5

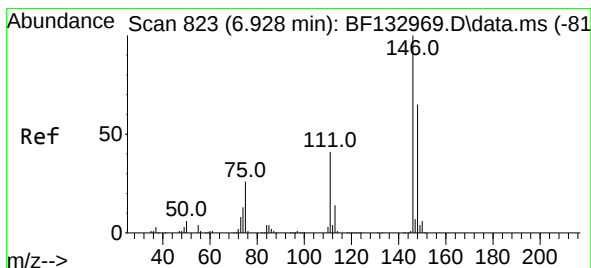
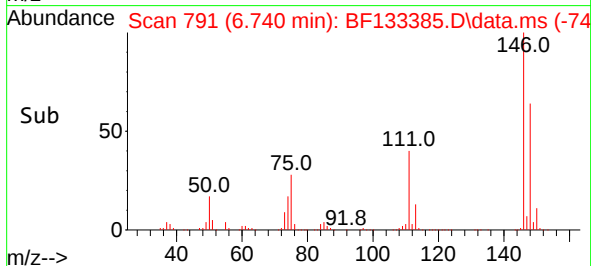
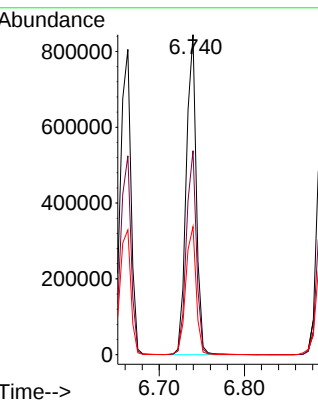
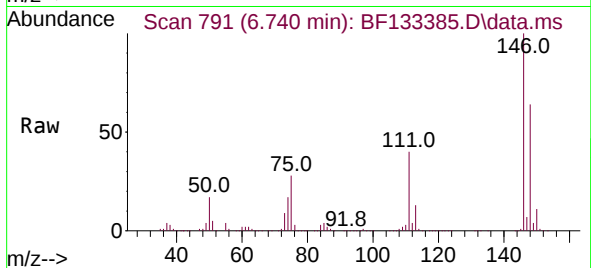
111 40.0 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#14

1,2-Dichlorobenzene

Concen: 42.696 ng

RT: 6.892 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

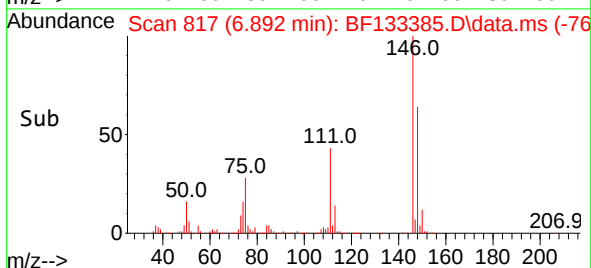
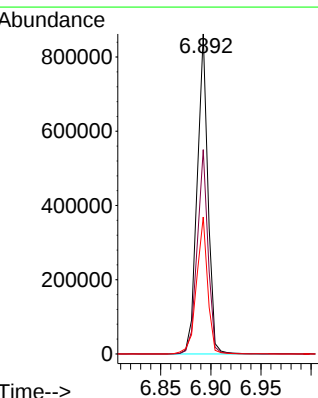
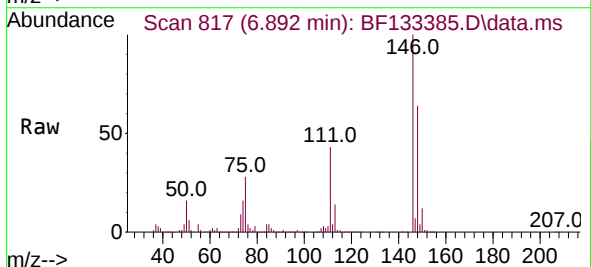
Tgt Ion:146 Resp: 647821

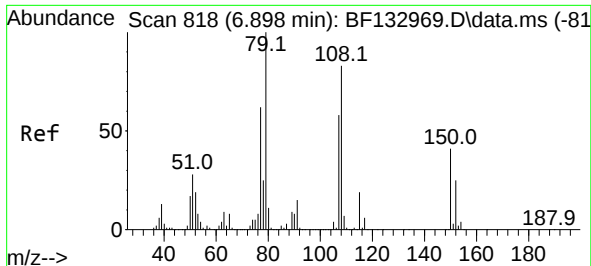
Ion Ratio Lower Upper

146 100

148 63.9 52.2 78.2

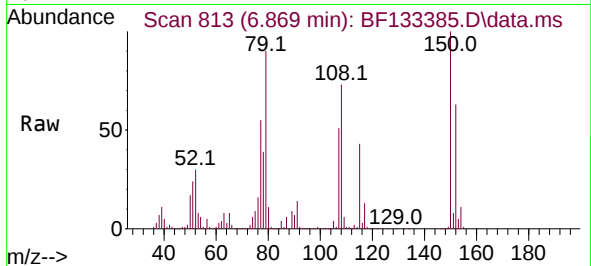
111 42.8 32.8 49.2





#15
Benzyl Alcohol
Concen: 37.205 ng
RT: 6.869 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

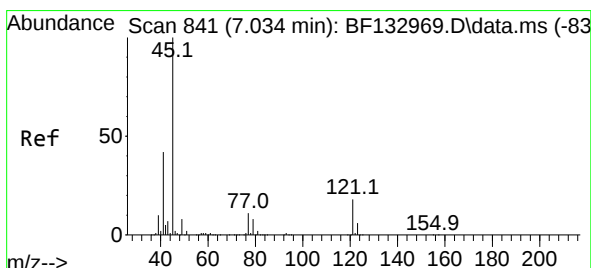
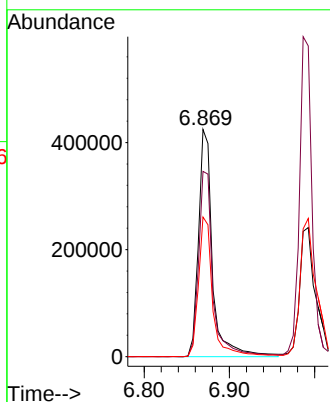
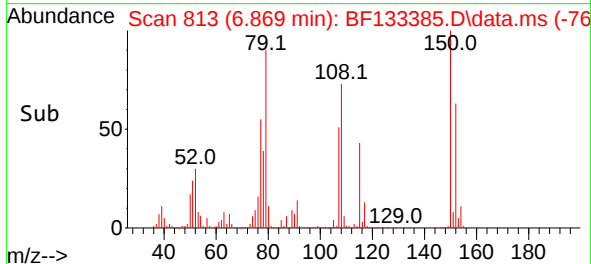
Instrument :
BNA_F
ClientSampleId :
PB152783BS



Tgt Ion: 79 Resp: 485240
Ion Ratio Lower Upper
79 100
108 81.5 66.6 99.8
77 61.5 49.2 73.8

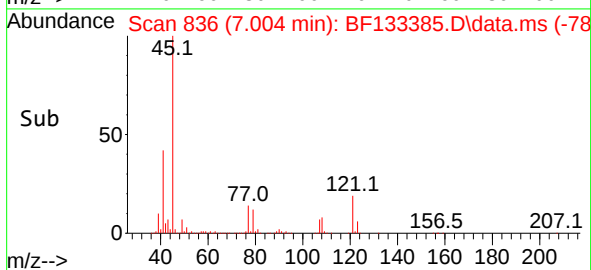
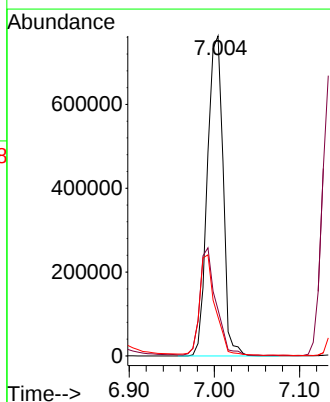
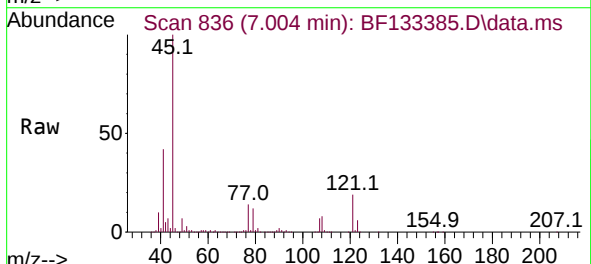
Manual Integrations
APPROVED

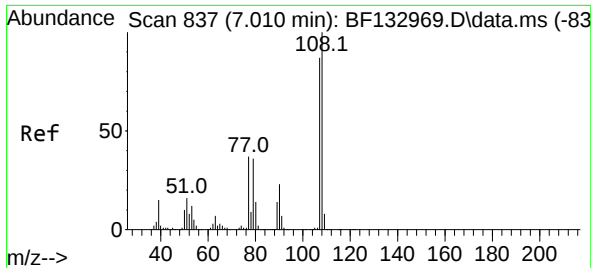
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.805 ng
RT: 7.004 min Scan# 836
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion: 45 Resp: 972052
Ion Ratio Lower Upper
45 100
77 14.5 0.0 31.5
79 12.2 0.0 28.7





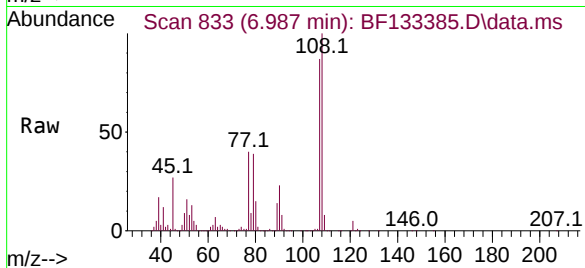
#17
2-Methylphenol
Concen: 38.054 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

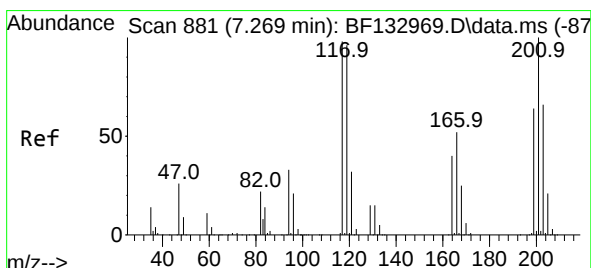
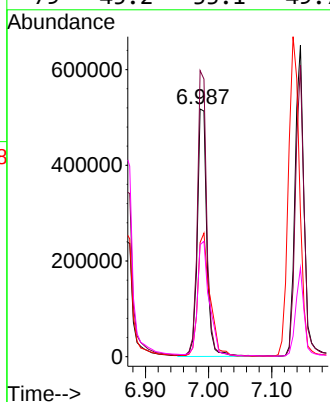
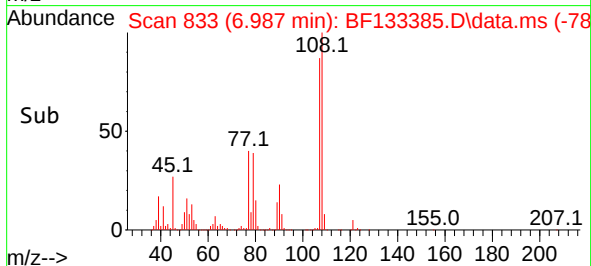


Tgt Ion:107 Resp: 53819
Ion Ratio Lower Upper
107 100
108 115.5 92.4 138.6
77 46.1 33.8 50.8
79 45.2 33.1 49.7

Manual Integrations

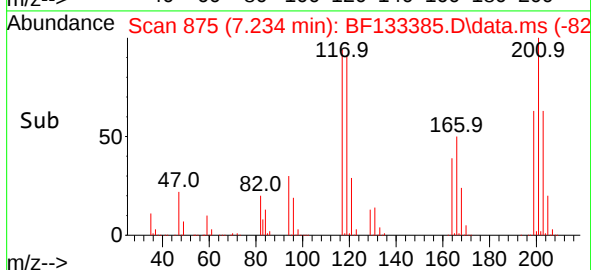
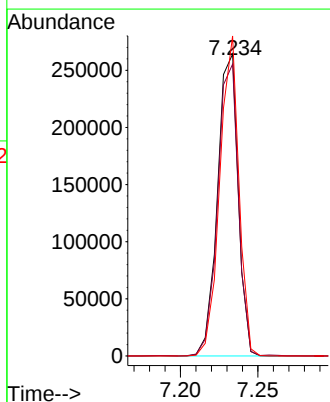
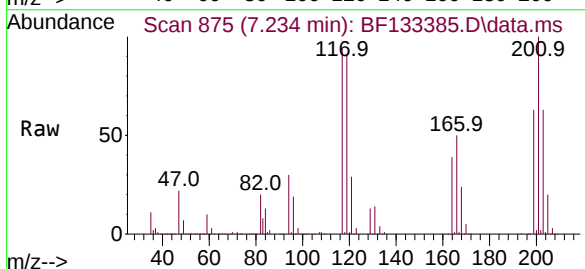
APPROVED

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#18
Hexachloroethane
Concen: 42.822 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:117 Resp: 245018
Ion Ratio Lower Upper
117 100
119 96.7 78.2 117.4
201 106.0 81.7 122.5





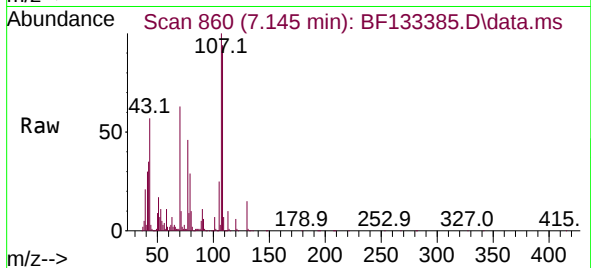
#19
n-Nitroso-di-n-propylamine
Concen: 35.560 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

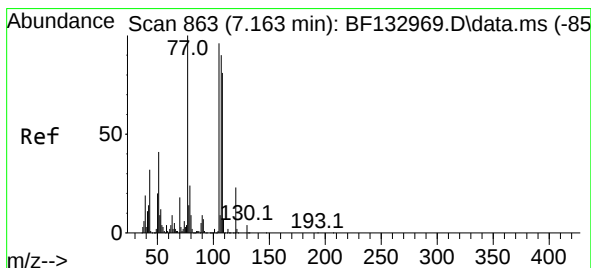
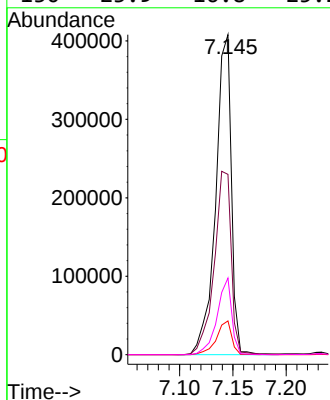
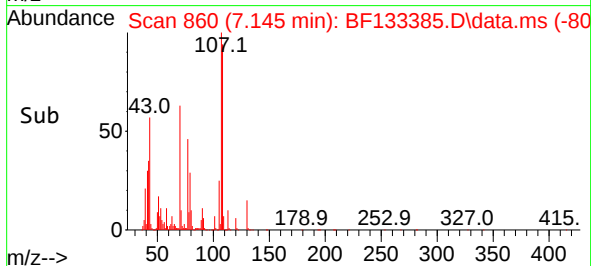
PB152783BS



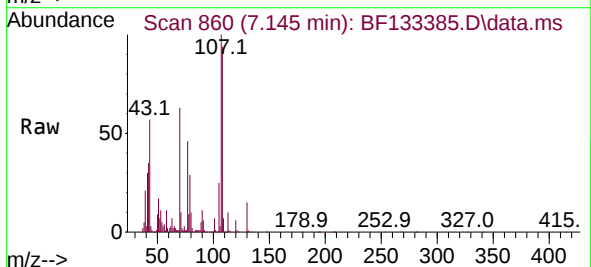
Tgt Ion: 70 Resp: 417999
Ion Ratio Lower Upper
70 100
42 56.4 51.8 77.6
101 10.5 8.0 12.0
130 23.9 16.8 25.2

Manual Integrations
APPROVED

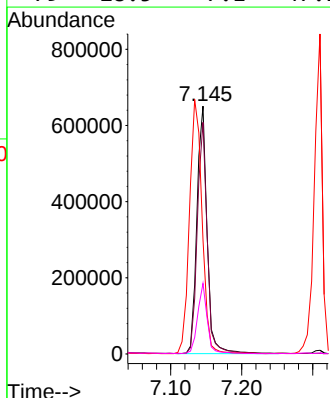
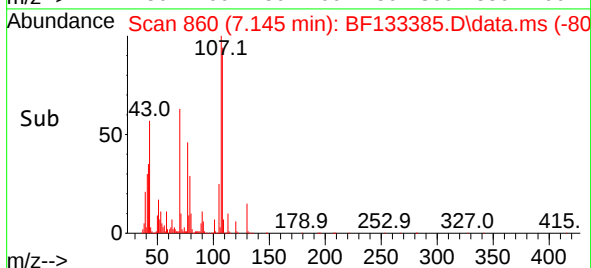
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

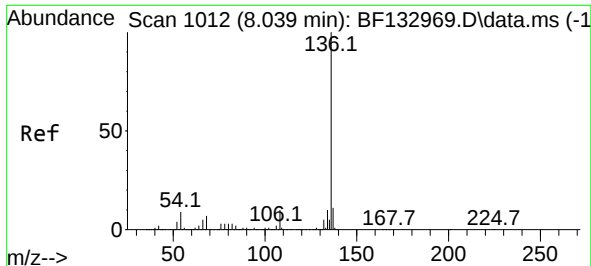


#20
3+4-Methylphenols
Concen: 38.961 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:107 Resp: 648913
Ion Ratio Lower Upper
107 100
108 93.5 70.5 110.5
77 46.0 91.7 131.7#
79 28.5 7.1 47.1





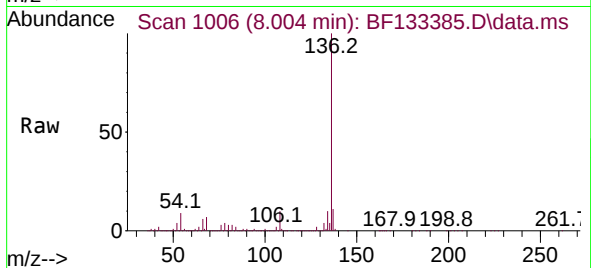
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

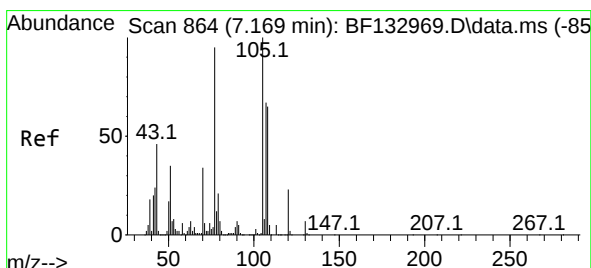
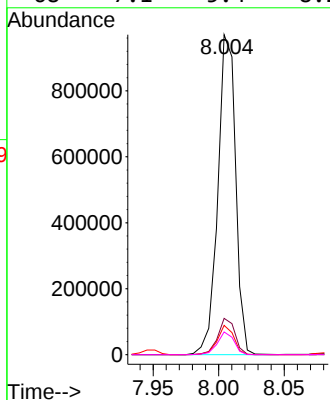
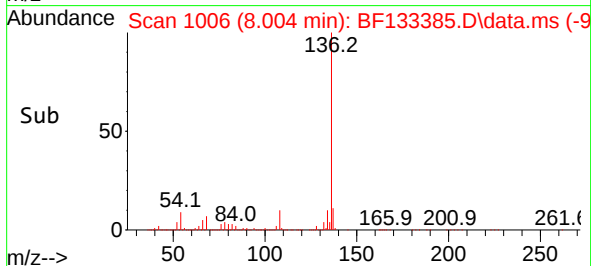


Tgt Ion:136 Resp: 913740
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.2 7.0 10.4
68 7.1 5.4 8.2

Manual Integrations

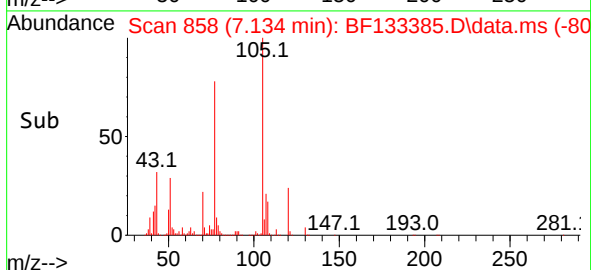
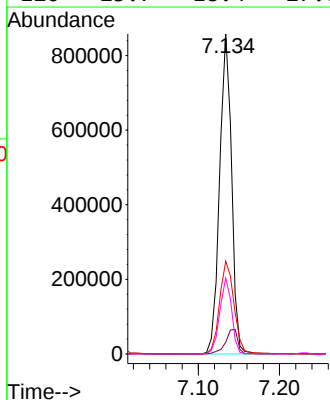
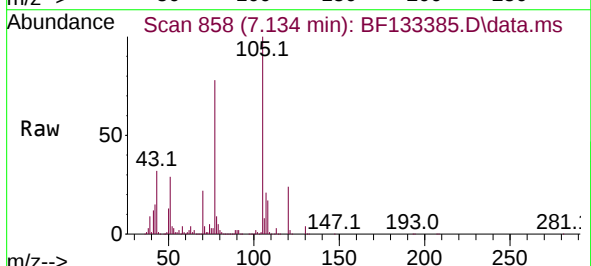
APPROVED

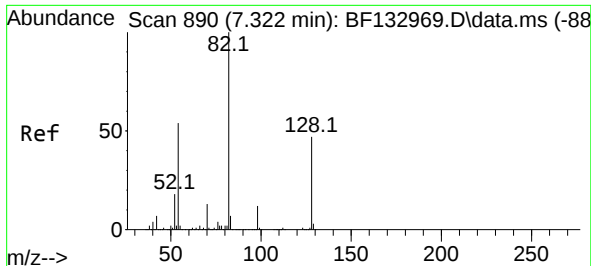
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#22
Acetophenone
Concen: 41.803 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:105 Resp: 884828
Ion Ratio Lower Upper
105 100
71 3.7 4.6 7.0#
51 29.0 28.2 42.2
120 23.7 18.4 27.6





#23

Nitrobenzene-d5

Concen: 62.574 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion: 82 Resp: 1059289

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

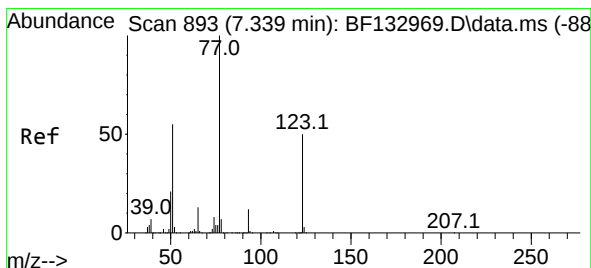
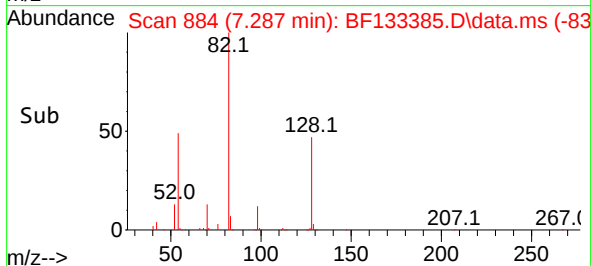
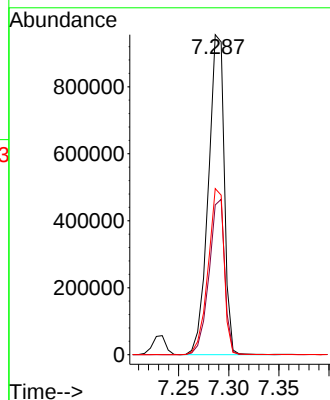
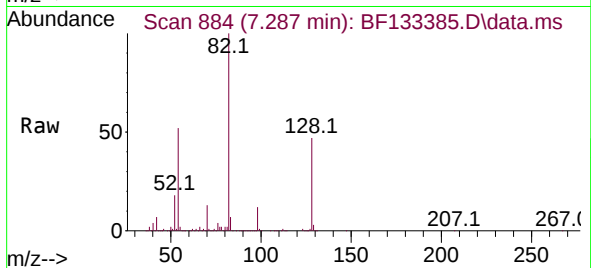
54 51.9 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#24

Nitrobenzene

Concen: 38.331 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

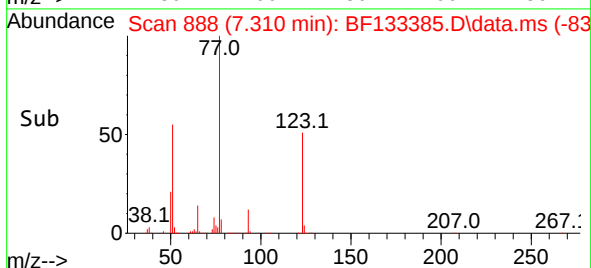
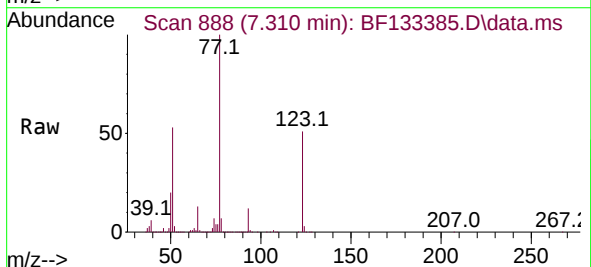
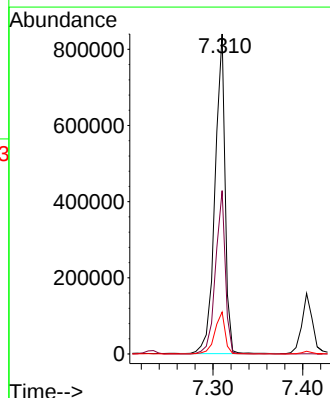
Tgt Ion: 77 Resp: 657536

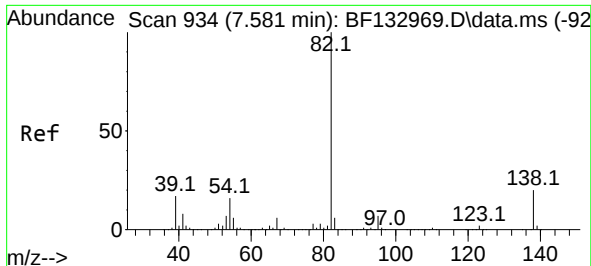
Ion Ratio Lower Upper

77 100

123 51.1 39.9 59.9

65 13.1 10.7 16.1





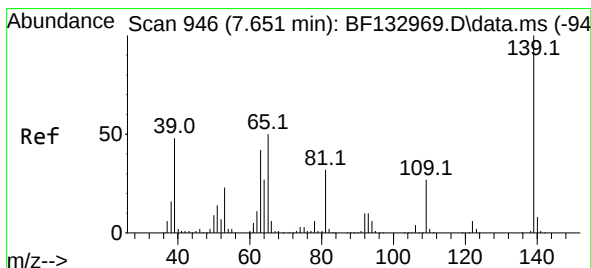
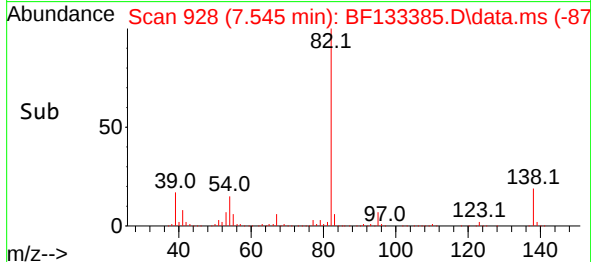
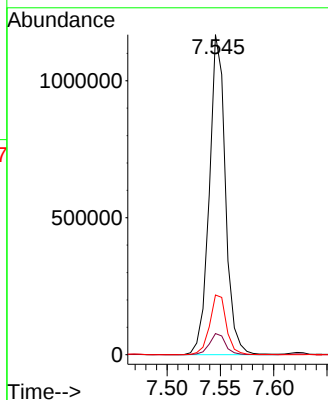
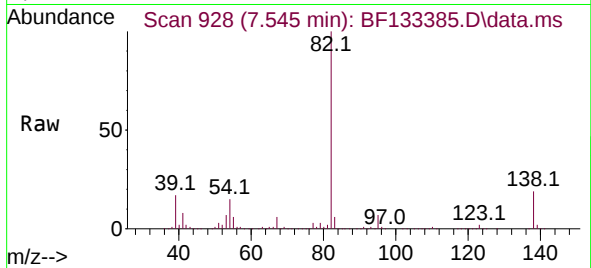
#25
Isophorone
Concen: 38.377 ng
RT: 7.545 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :
BNA_F
ClientSampleId :
PB152783BS

Tgt Ion: 82 Resp: 123350
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 18.7 16.0 24.0

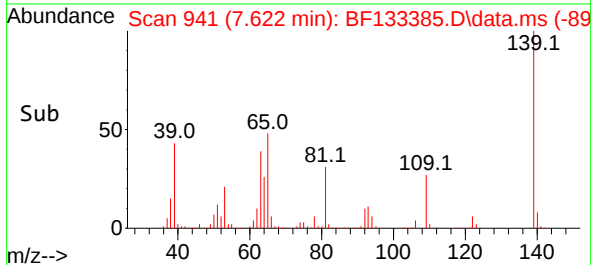
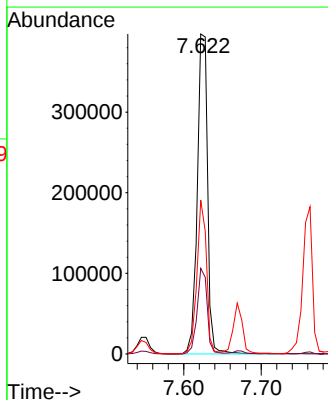
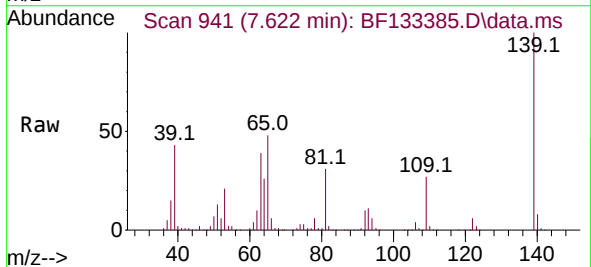
Manual Integrations
APPROVED

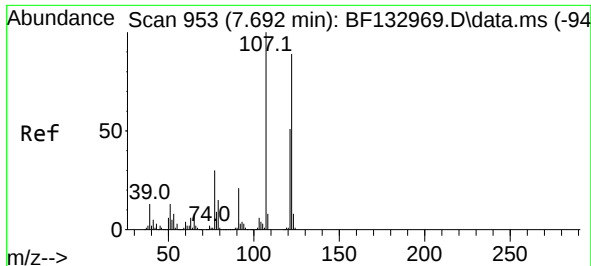
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#26
2-Nitrophenol
Concen: 44.531 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:139 Resp: 368447
Ion Ratio Lower Upper
139 100
109 26.7 21.6 32.4
65 48.1 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 41.736 ng

RT: 7.669 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF133385.D

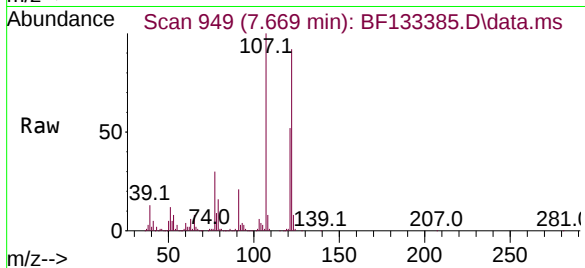
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

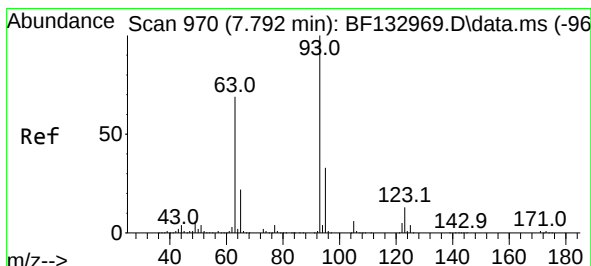
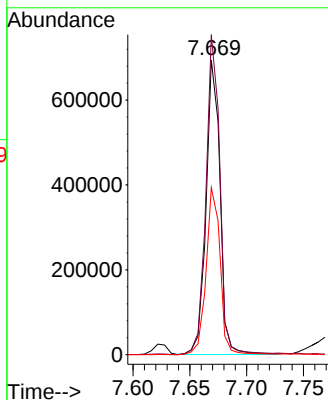
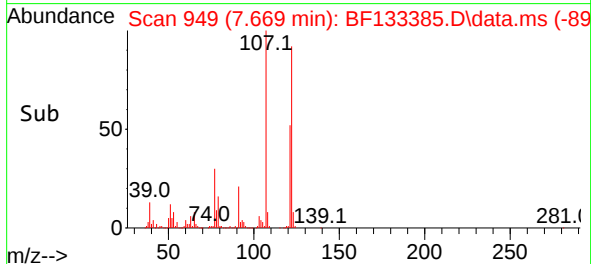


Tgt Ion:	122	Resp:	592124
Ion	Ratio	Lower	Upper
122	100		
107	108.5	89.7	134.5
121	56.7	46.0	69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#28

bis(2-Chloroethoxy)methane

Concen: 39.179 ng

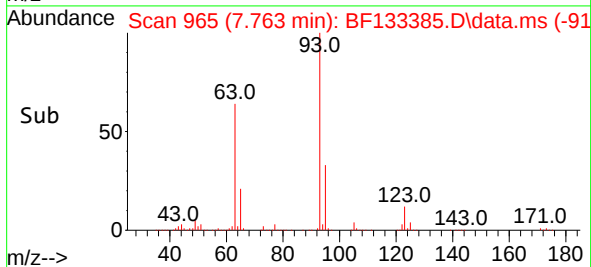
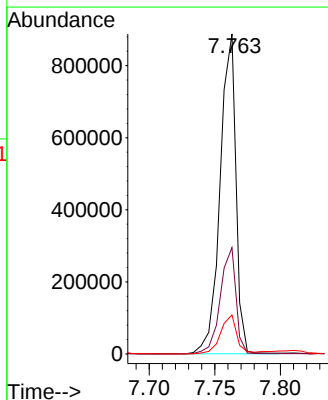
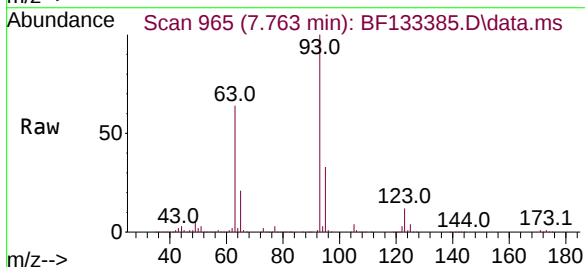
RT: 7.763 min Scan# 965

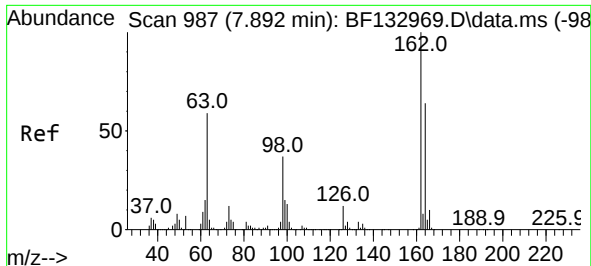
Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Tgt Ion:	93	Resp:	744961
Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.4	39.6
123	12.2	10.3	15.5





#29

2,4-Dichlorophenol

Concen: 41.872 ng

RT: 7.869 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

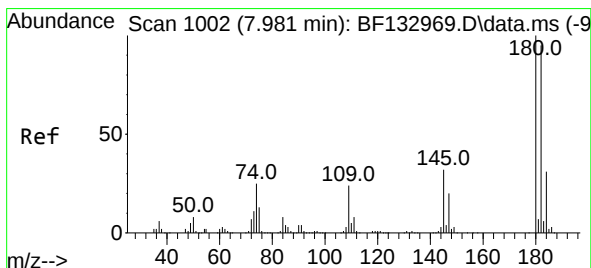
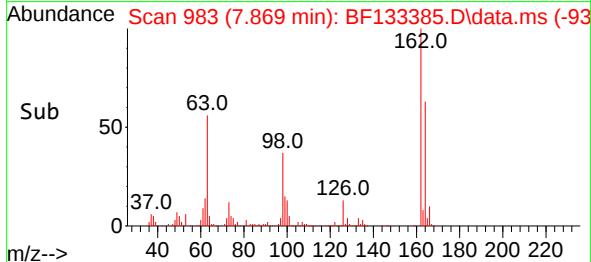
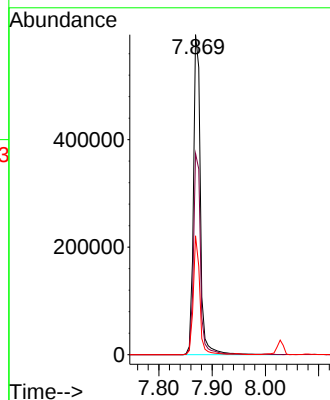
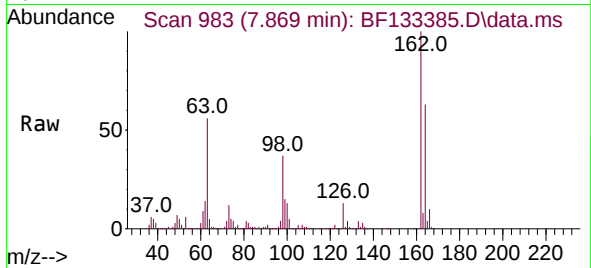
PB152783BS

Tgt Ion:162 Resp: 540800
 Ion Ratio Lower Upper
 162 100
 164 62.8 43.9 83.9
 98 37.2 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023
 Supervised By :Yogesh Patel 05/16/2023



#30

1,2,4-Trichlorobenzene

Concen: 41.959 ng

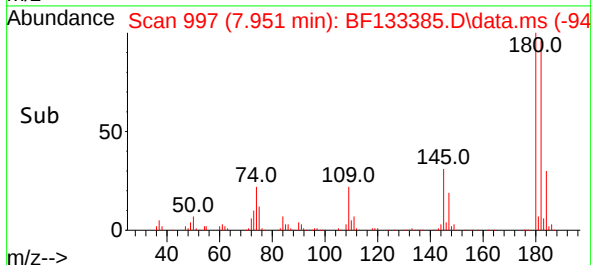
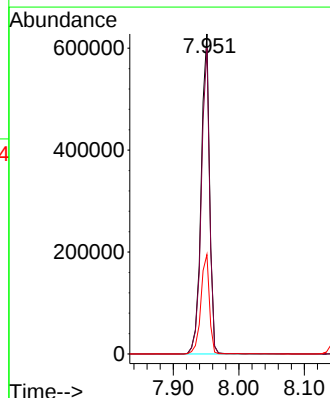
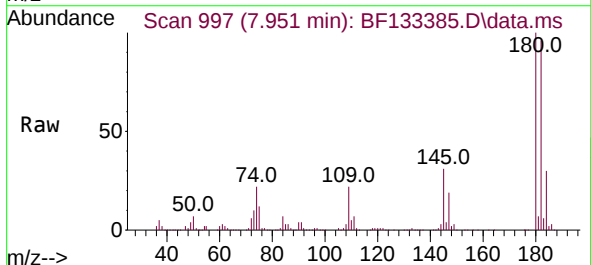
RT: 7.951 min Scan# 997

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Tgt Ion:180 Resp: 561426
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 145 31.1 25.3 37.9





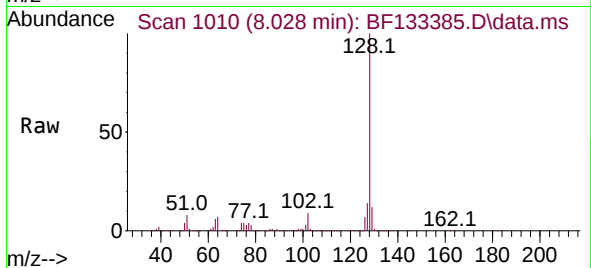
#31
Naphthalene
Concen: 39.625 ng
RT: 8.028 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

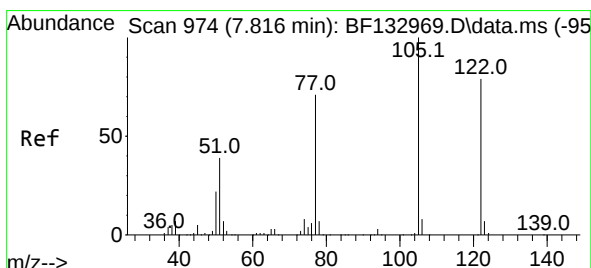
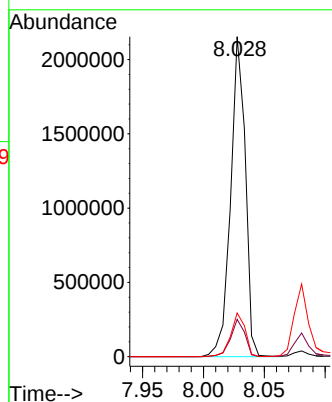
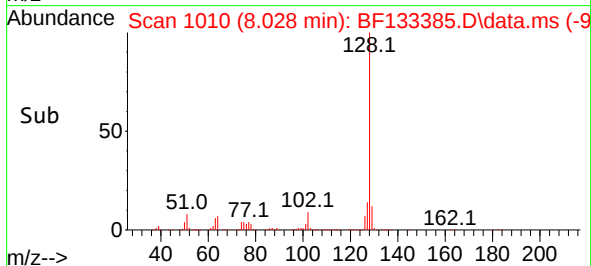


Tgt Ion:128 Resp: 1810240
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.7 10.7 16.1

Manual Integrations

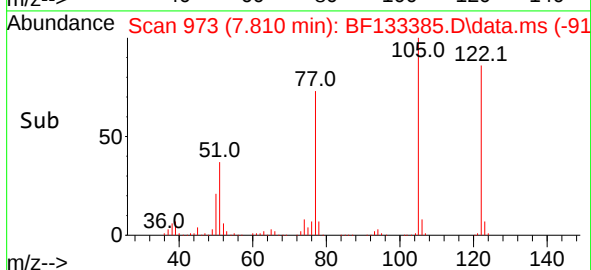
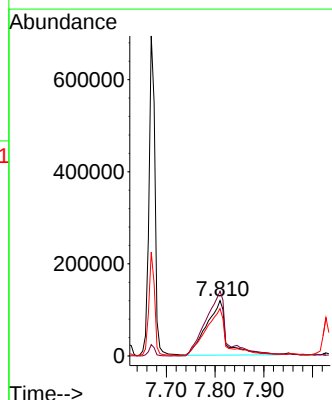
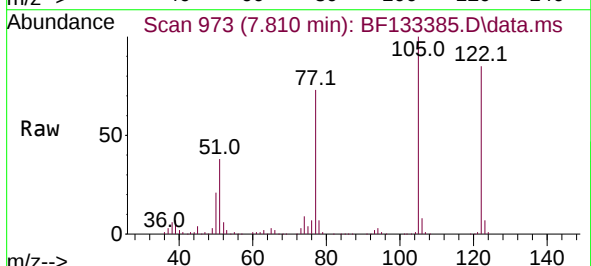
APPROVED

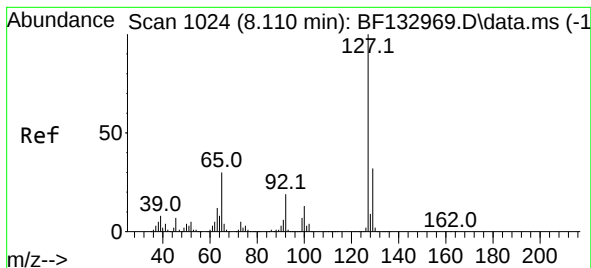
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#32
Benzoic acid
Concen: 38.795 ng
RT: 7.810 min Scan# 973
Delta R.T. 0.018 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:122 Resp: 339982
Ion Ratio Lower Upper
122 100
105 117.0 104.2 144.2
77 85.5 69.7 109.7





#33
4-Chloroaniline
Concen: 24.173 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

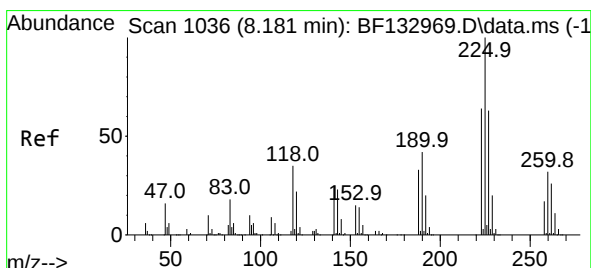
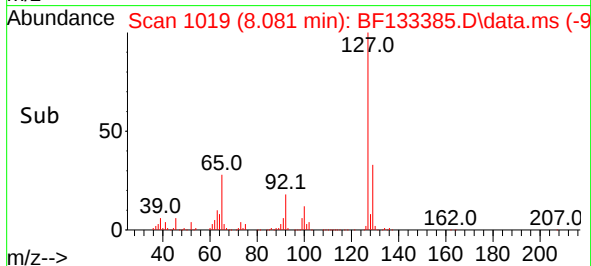
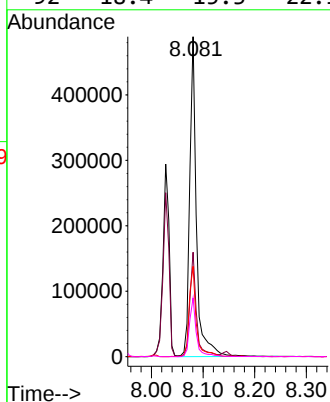
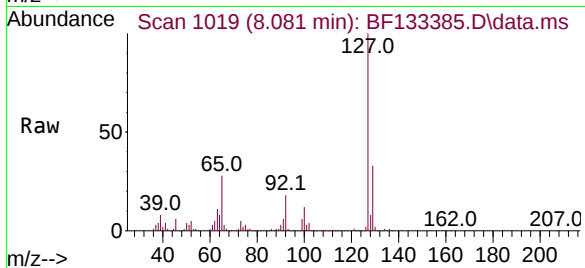
PB152783BS

Tgt Ion:127 Resp: 446192
Ion Ratio Lower Upper
127 100
129 32.7 25.8 38.8
65 28.2 23.6 35.4
92 18.4 15.3 22.9

Manual Integrations

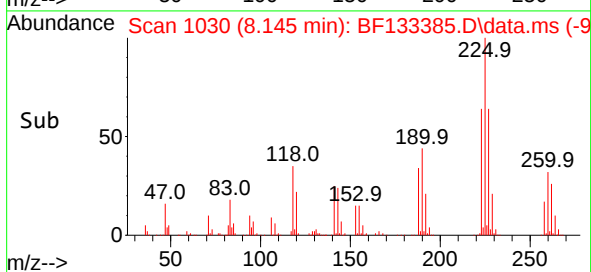
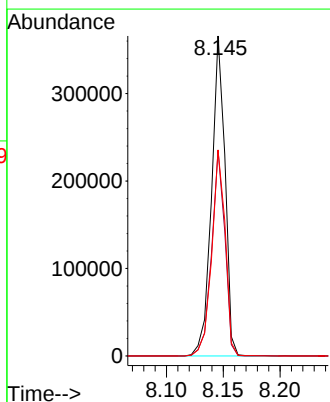
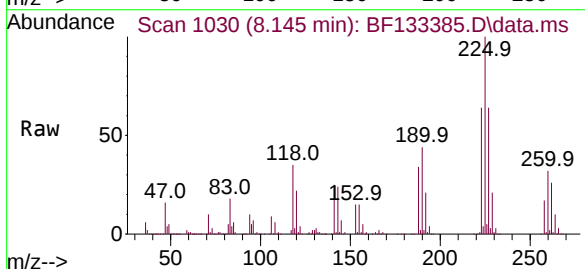
APPROVED

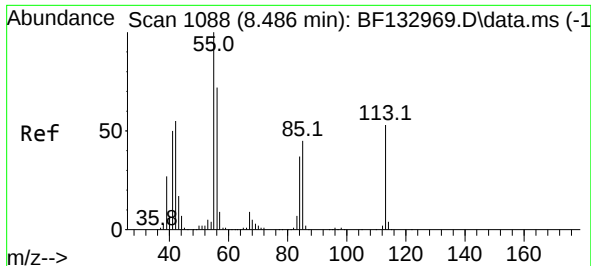
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#34
Hexachlorobutadiene
Concen: 40.573 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

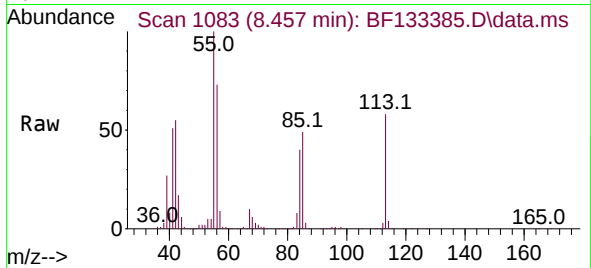
Tgt Ion:225 Resp: 300892
Ion Ratio Lower Upper
225 100
223 64.3 50.9 76.3
227 64.4 50.3 75.5





#35
Caprolactam
Concen: 43.306 ng m
RT: 8.457 min Scan# 1088
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

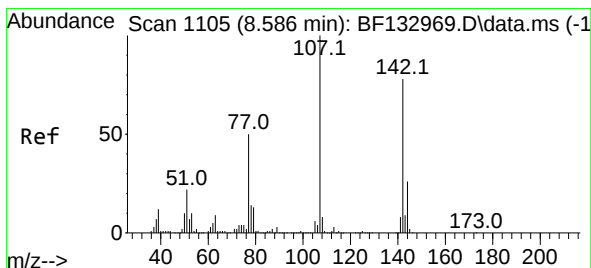
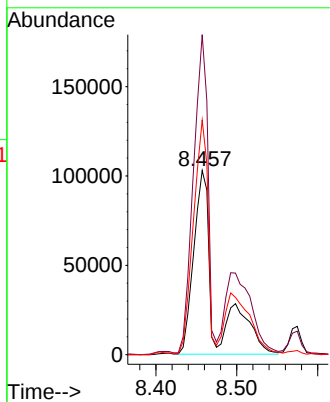
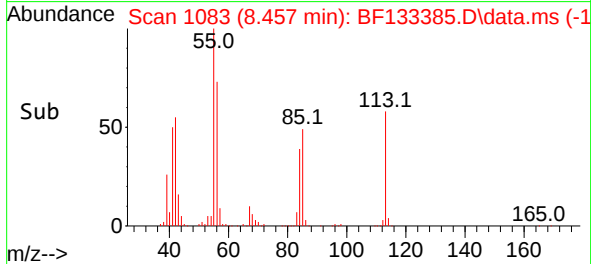
Instrument :
BNA_F
ClientSampleId :
PB152783BS



Tgt Ion:113 Resp: 187890
Ion Ratio Lower Upper
113 100
55 173.8 167.1 207.1
56 127.4 114.5 154.5

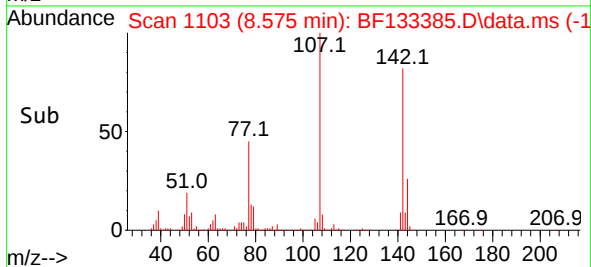
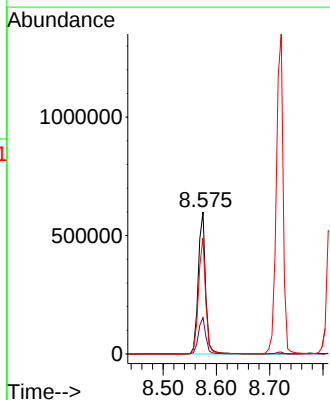
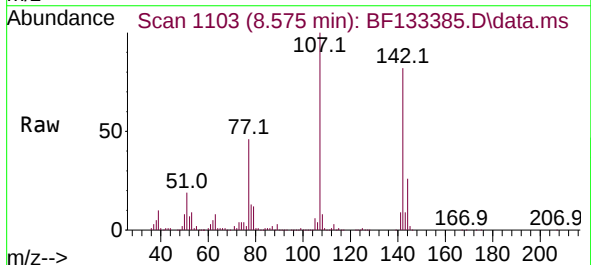
Manual Integrations
APPROVED

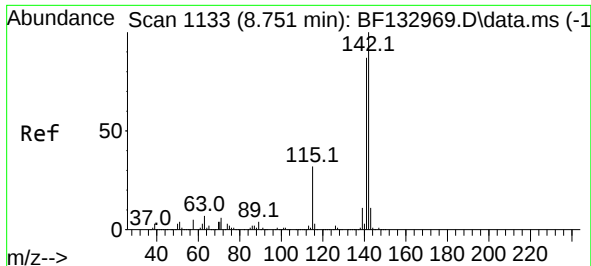
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#36
4-Chloro-3-methylphenol
Concen: 41.126 ng
RT: 8.575 min Scan# 1103
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:107 Resp: 572785
Ion Ratio Lower Upper
107 100
144 25.5 20.6 30.8
142 81.8 62.8 94.2





#37

2-Methylnaphthalene

Concen: 38.310 ng

RT: 8.722 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:142 Resp: 1196539

Ion Ratio Lower Upper

142 100

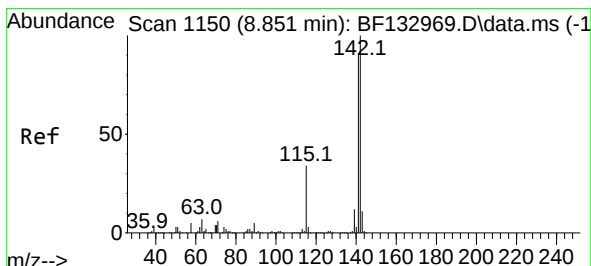
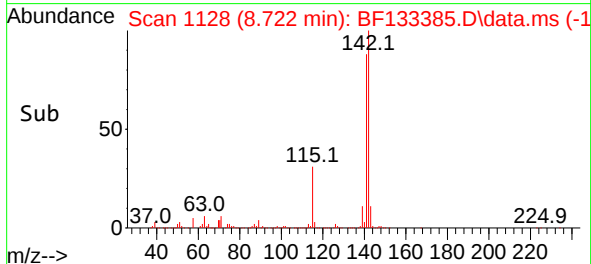
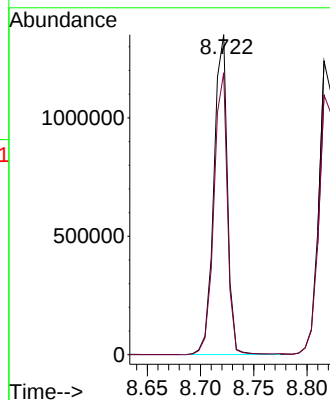
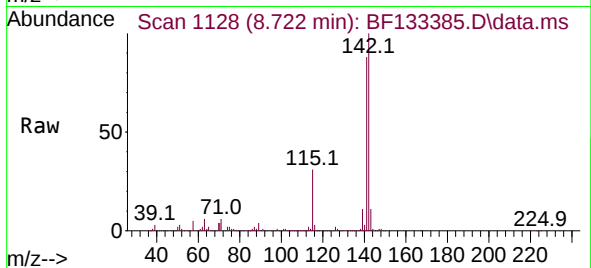
141 88.1 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#38

1-Methylnaphthalene

Concen: 38.595 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF133385.D

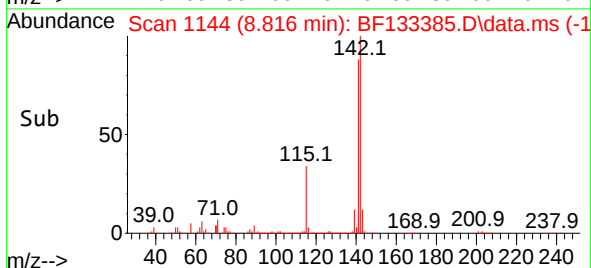
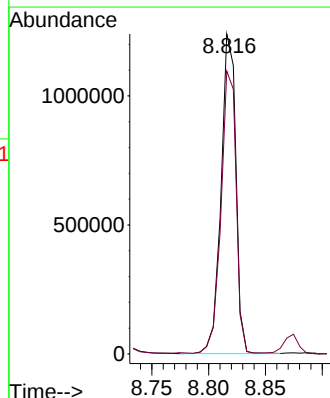
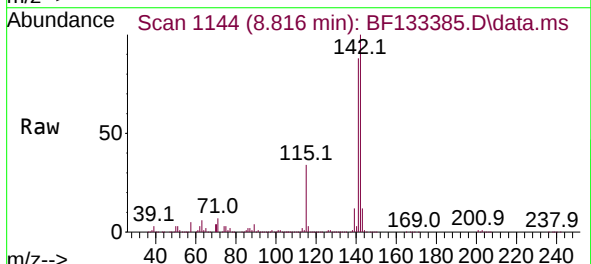
Acq: 15 May 2023 15:32

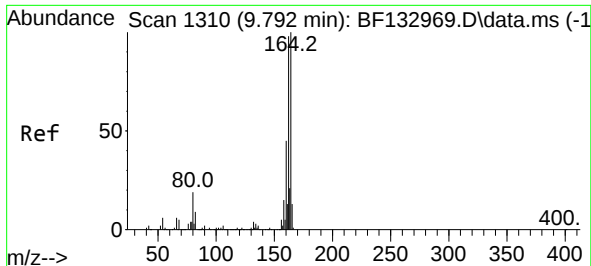
Tgt Ion:142 Resp: 1127674

Ion Ratio Lower Upper

142 100

141 88.4 73.1 109.7





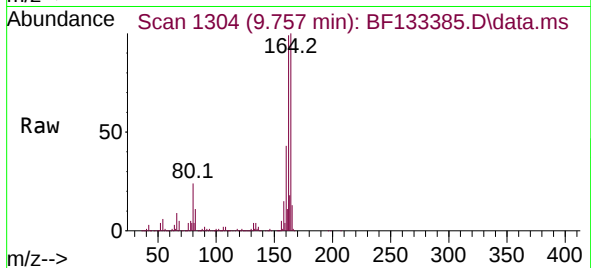
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

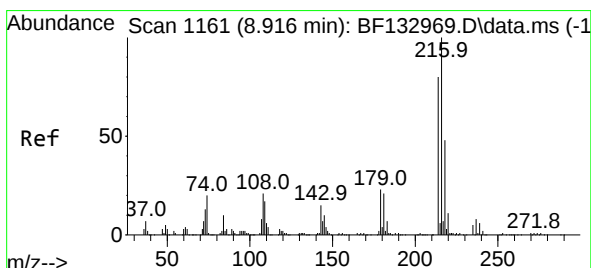
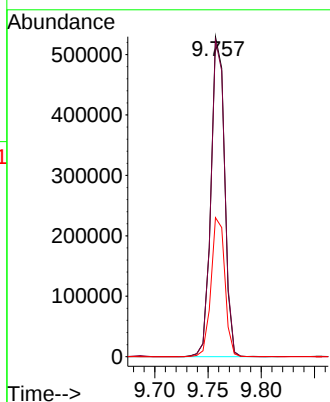
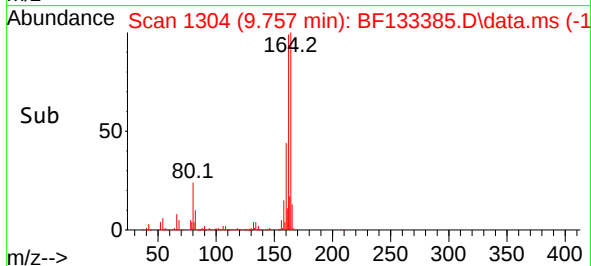


Tgt Ion:164 Resp: 470458
Ion Ratio Lower Upper
164 100
162 98.9 78.7 118.1
160 43.5 35.8 53.6

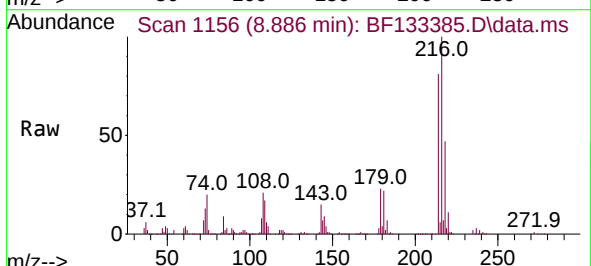
Manual Integrations

APPROVED

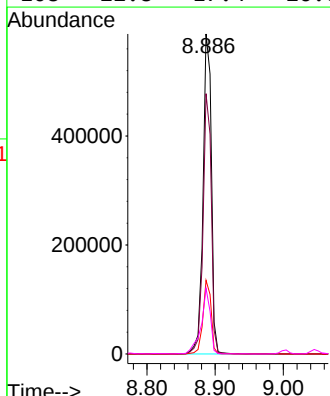
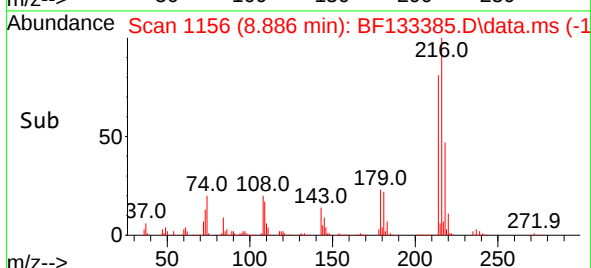
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

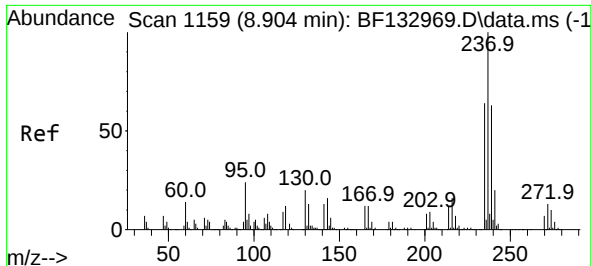


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.579 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



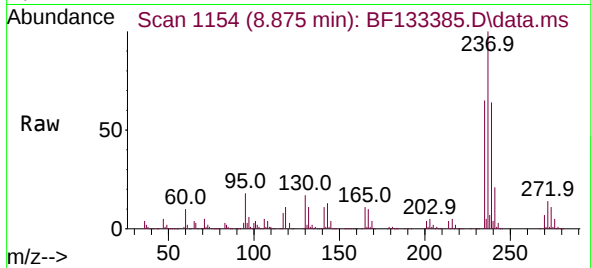
Tgt Ion:216 Resp: 500639
Ion Ratio Lower Upper
216 100
214 79.9 63.5 95.3
179 22.5 17.4 26.2
108 22.8 17.4 26.0





#41
Hexachlorocyclopentadiene
Concen: 77.017 ng
RT: 8.875 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

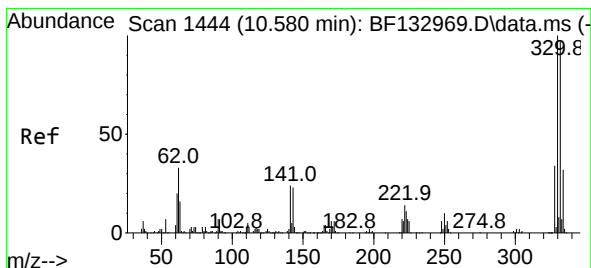
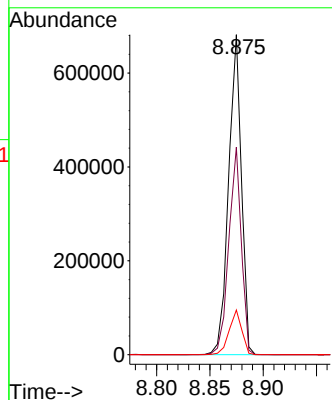
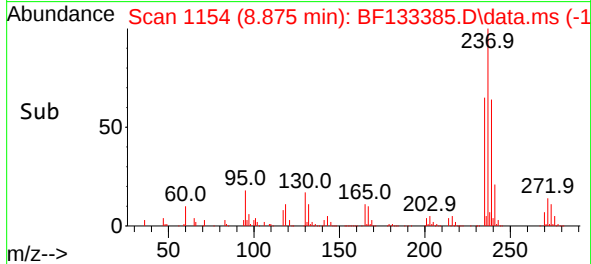
Instrument :
BNA_F
ClientSampleId :
PB152783BS



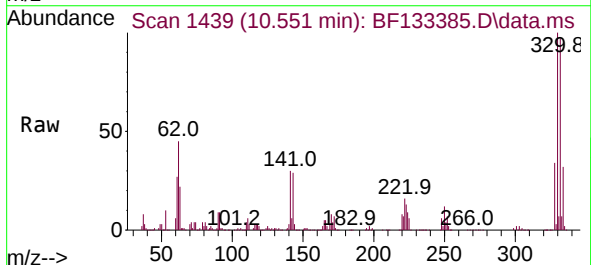
Tgt Ion:237 Resp: 568159
Ion Ratio Lower Upper
237 100
235 64.9 43.5 83.5
272 14.0 0.0 32.7

Manual Integrations
APPROVED

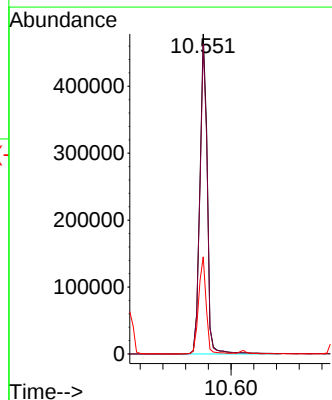
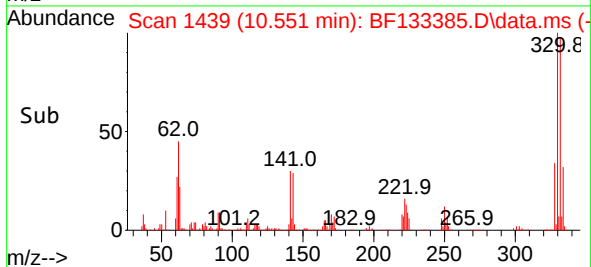
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

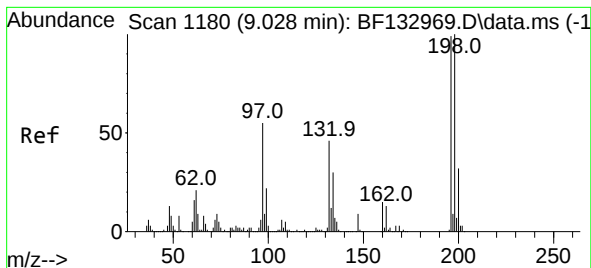


#42
2,4,6-Tribromophenol
Concen: 91.554 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:330 Resp: 433171
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 31.3 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 40.117 ng

RT: 9.004 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

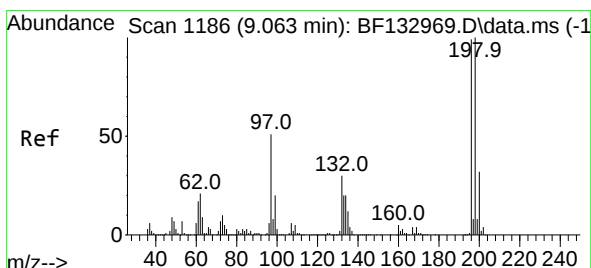
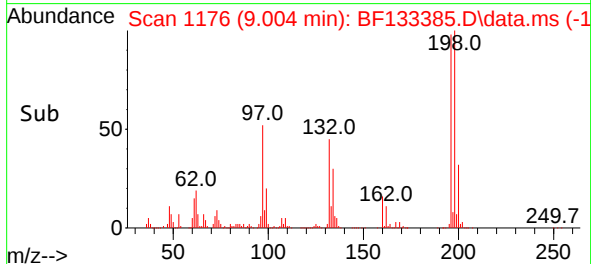
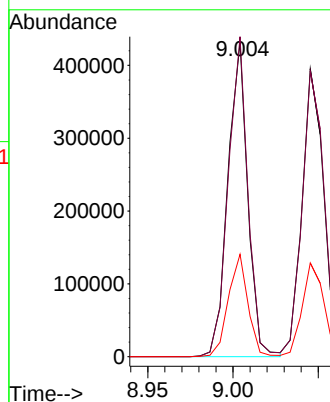
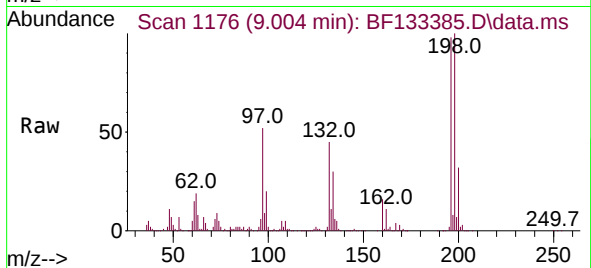
Tgt Ion:196	Resp:	350940
Ion Ratio	Lower	Upper
196	100	
198	101.8	81.0 121.6
200	32.6	26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#44

2,4,5-Trichlorophenol

Concen: 37.145 ng

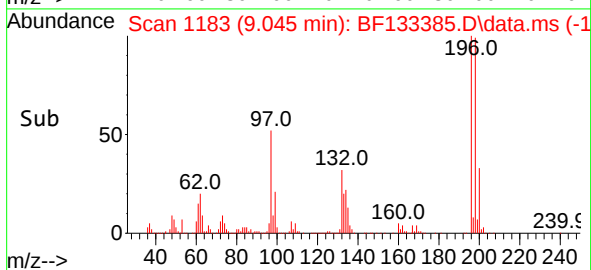
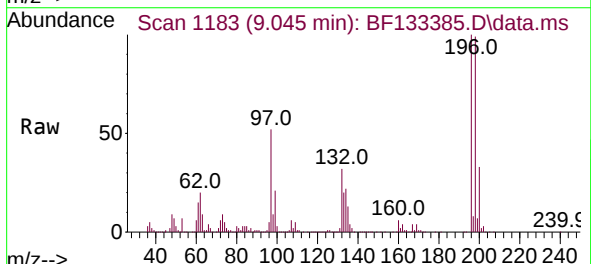
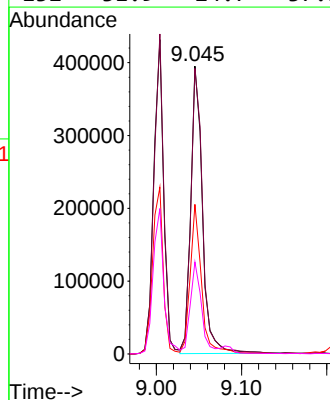
RT: 9.045 min Scan# 1183

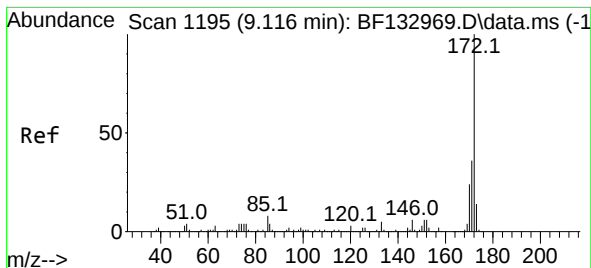
Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Tgt Ion:196	Resp:	375802
Ion Ratio	Lower	Upper
196	100	
198	99.2	80.9 121.3
97	52.0	41.3 61.9
132	31.9	24.7 37.1





#45

2-Fluorobiphenyl

Concen: 65.960 ng

RT: 9.086 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:172 Resp: 185483

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

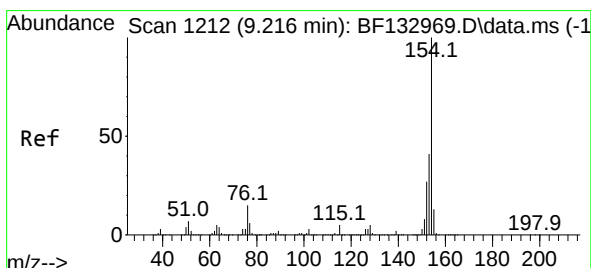
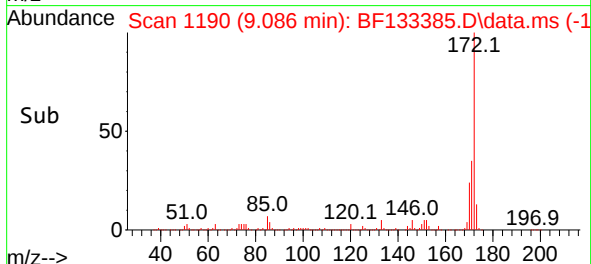
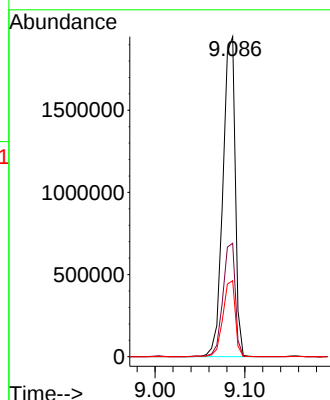
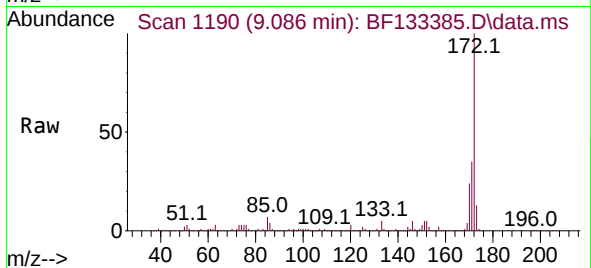
170 23.8 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#46

1,1'-Biphenyl

Concen: 39.304 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

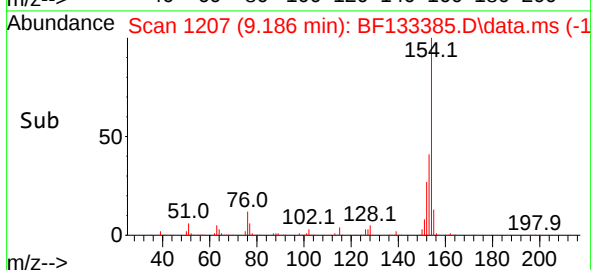
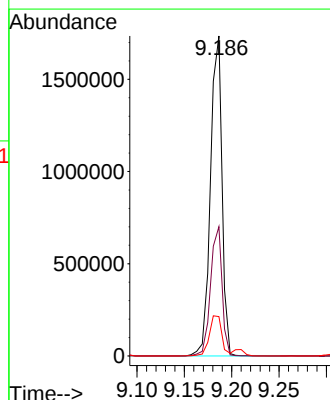
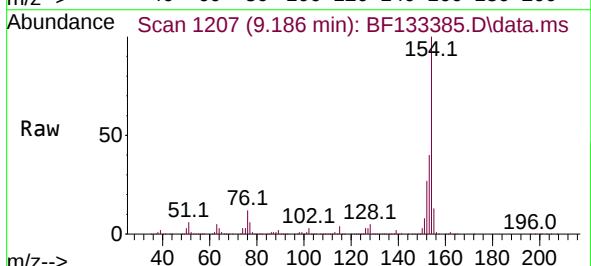
Tgt Ion:154 Resp: 1466219

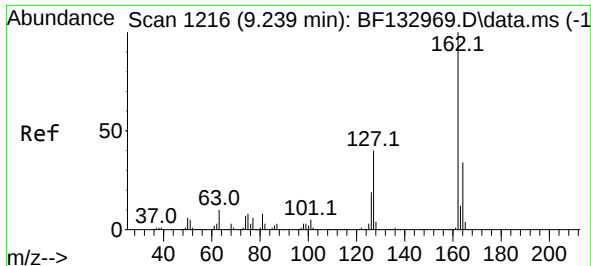
Ion Ratio Lower Upper

154 100

153 40.4 21.0 61.0

76 12.3 0.0 34.5





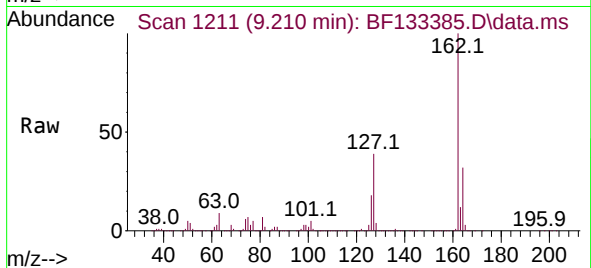
#47
2-Chloronaphthalene
Concen: 40.612 ng
RT: 9.210 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

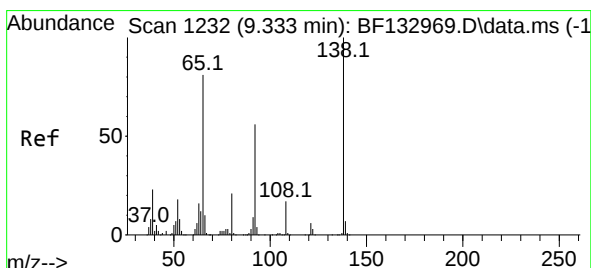
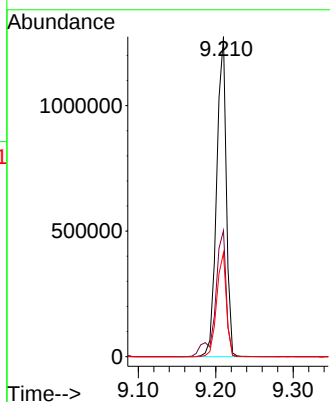
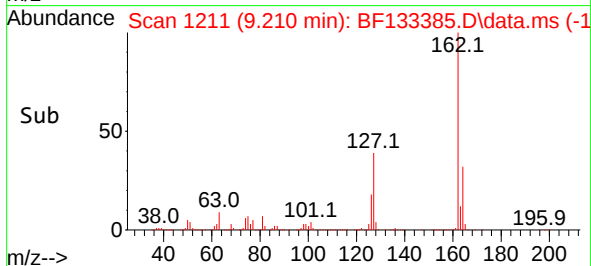


Tgt Ion:162 Resp: 1108908
Ion Ratio Lower Upper
162 100
127 39.4 32.3 48.5
164 32.5 26.8 40.2

Manual Integrations

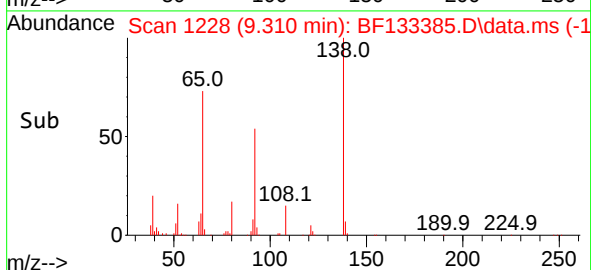
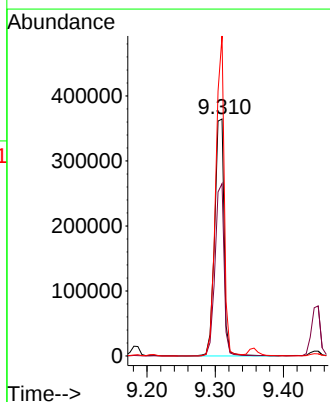
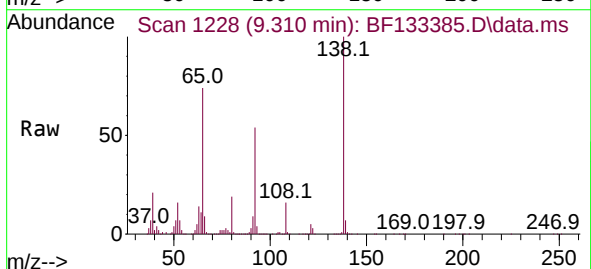
APPROVED

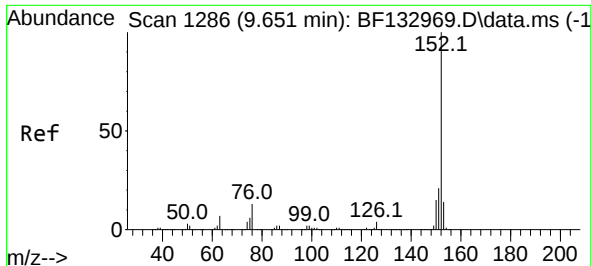
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#48
2-Nitroaniline
Concen: 38.888 ng
RT: 9.310 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion: 65 Resp: 350933
Ion Ratio Lower Upper
65 100
92 72.7 55.4 83.0
138 135.0 98.2 147.2





#49

Acenaphthylene

Concen: 38.678 ng

RT: 9.622 min Scan# 1286

Delta R.T. 0.000 min

Lab File: BF133385.D

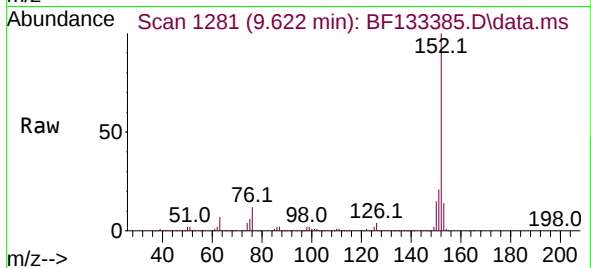
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS



Tgt Ion:152 Resp: 1687479

Ion Ratio Lower Upper

152 100

151 20.6 16.6 24.8

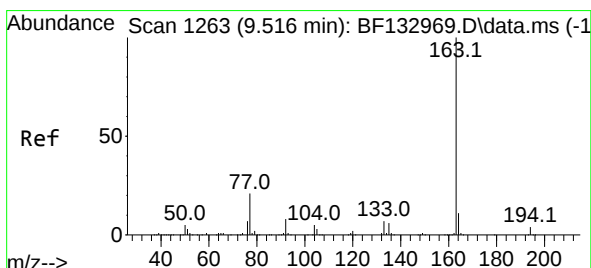
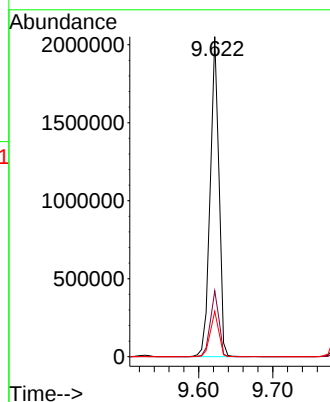
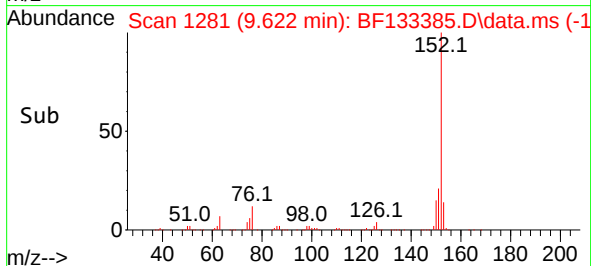
153 14.2 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#50

Dimethylphthalate

Concen: 39.552 ng

RT: 9.486 min Scan# 1258

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

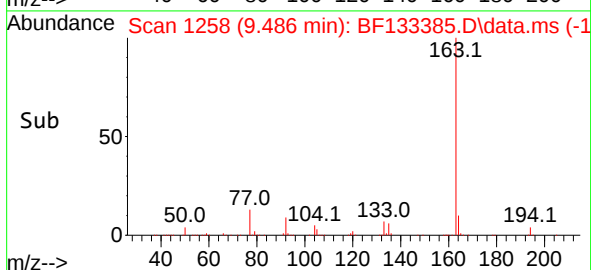
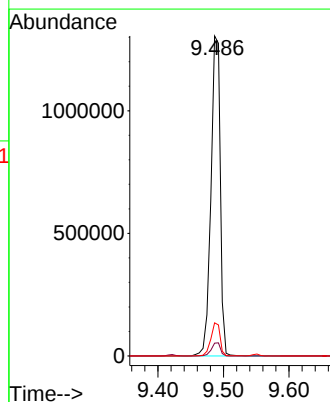
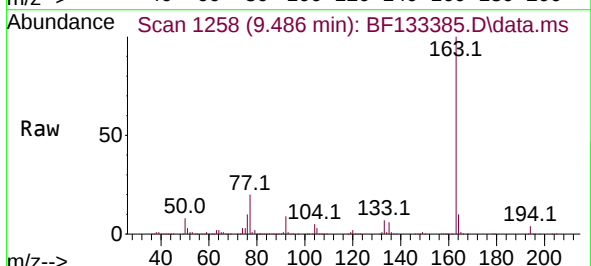
Tgt Ion:163 Resp: 1297473

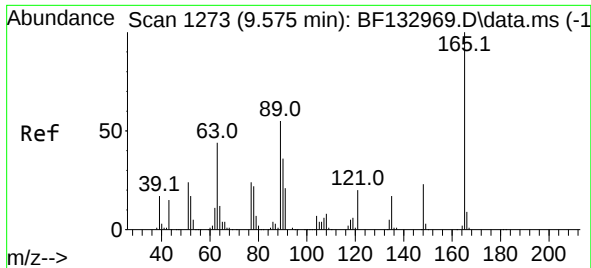
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 40.502 ng
RT: 9.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

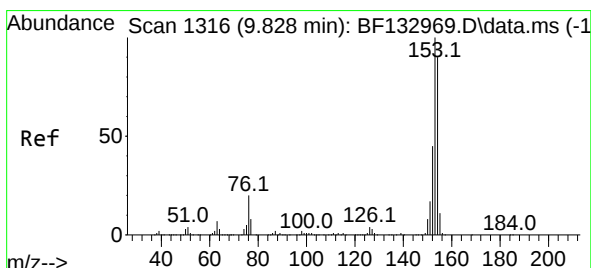
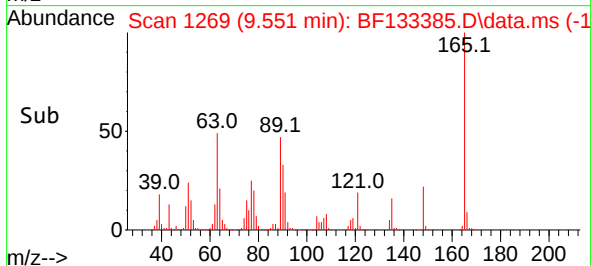
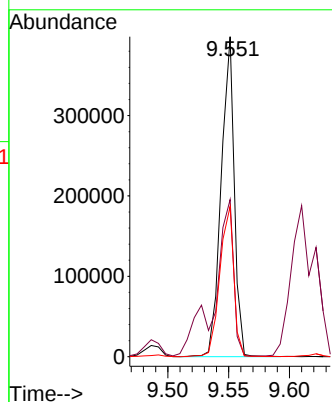
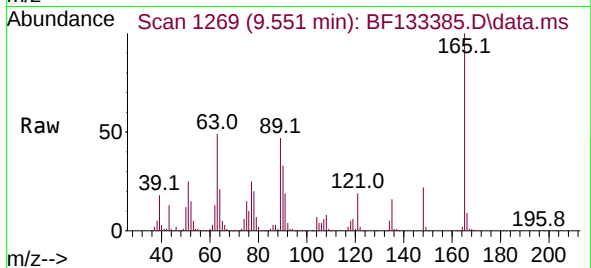
ClientSampleId :

PB152783BS

Tgt Ion:165 Resp: 299039
Ion Ratio Lower Upper
165 100
63 49.1 45.9 68.9
89 47.0 44.0 66.0

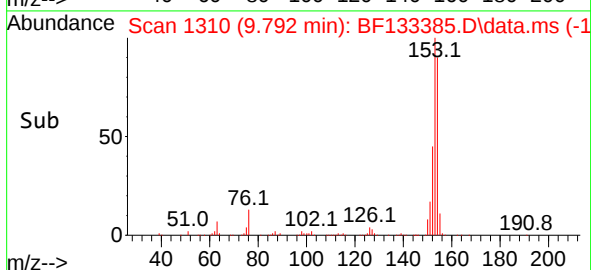
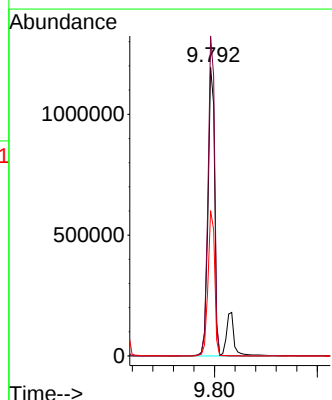
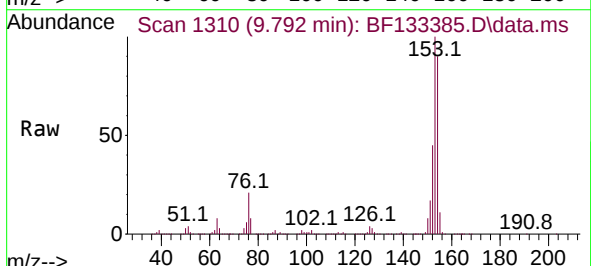
Manual Integrations
APPROVED

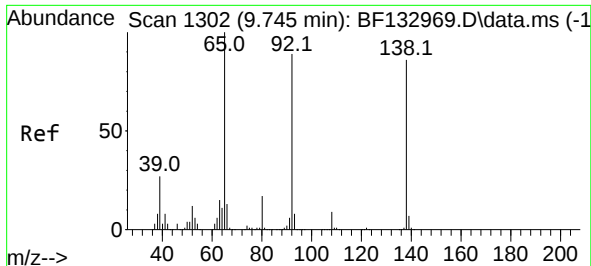
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#52
Acenaphthene
Concen: 42.775 ng m
RT: 9.792 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:154 Resp: 1249918
Ion Ratio Lower Upper
154 100
153 110.8 89.0 133.6
152 50.3 40.4 60.6





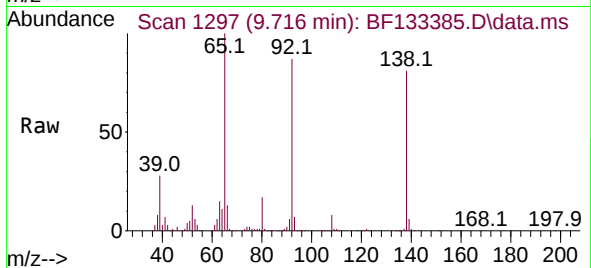
#53
3-Nitroaniline
Concen: 29.492 ng
RT: 9.716 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

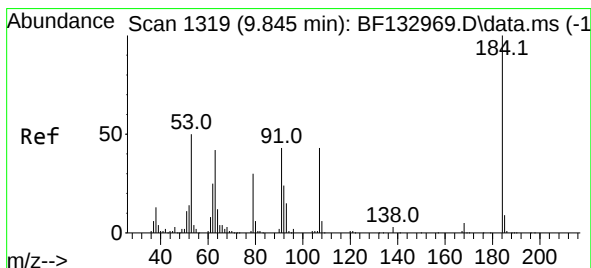
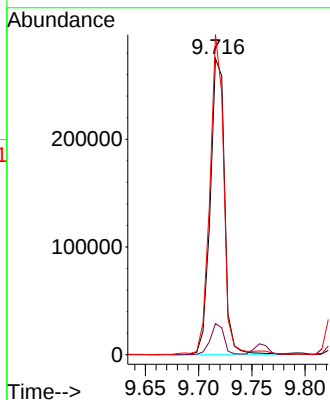
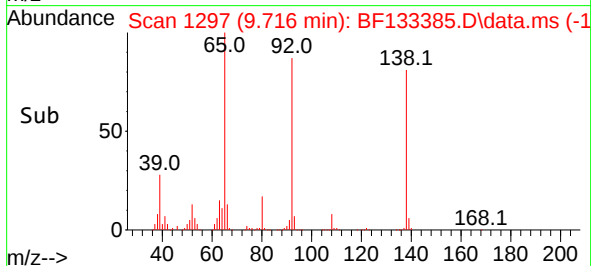


Tgt Ion:138 Resp: 258910
Ion Ratio Lower Upper
138 100
108 10.5 8.0 12.0
92 108.1 83.6 125.4

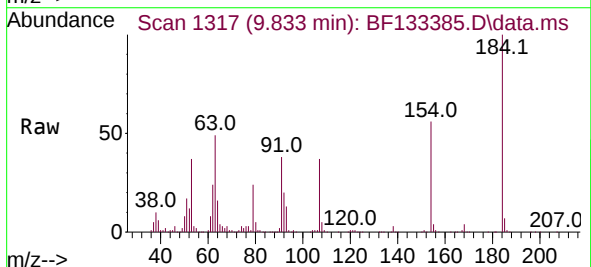
Manual Integrations

APPROVED

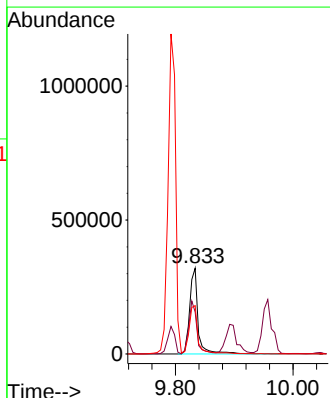
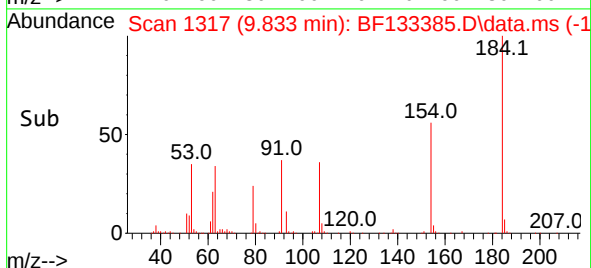
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

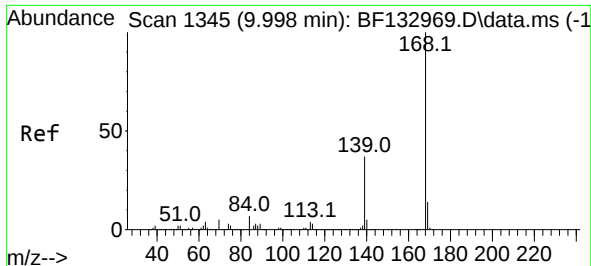


#54
2,4-Dinitrophenol
Concen: 85.904 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.012 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:184 Resp: 318808
Ion Ratio Lower Upper
184 100
63 48.8 49.8 74.8#
154 56.4 49.5 74.3





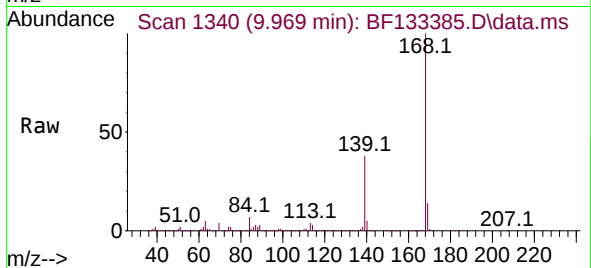
#55
Dibenzofuran
Concen: 37.749 ng
RT: 9.969 min Scan# 1345
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

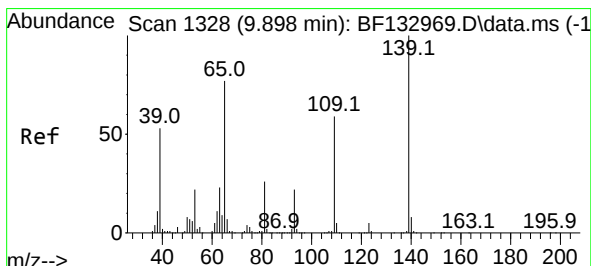
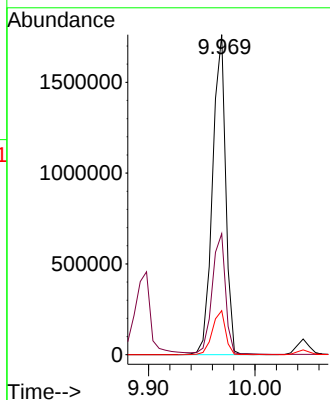
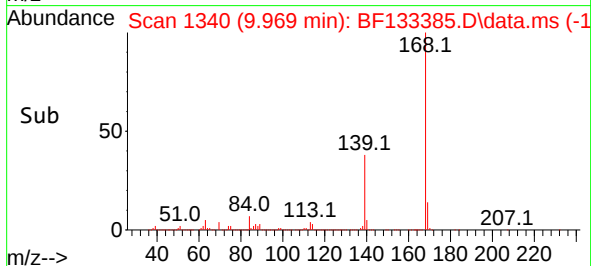
PB152783BS



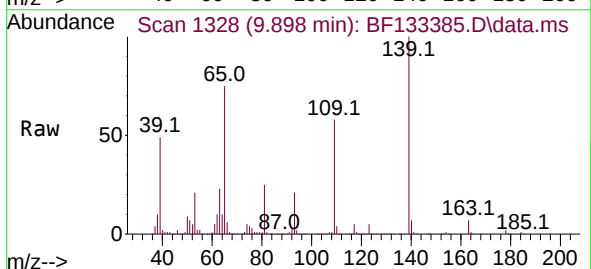
Tgt Ion:168 Resp: 1504640
Ion Ratio Lower Upper
168 100
139 37.8 29.8 44.8
169 13.8 10.8 16.2

Manual Integrations
APPROVED

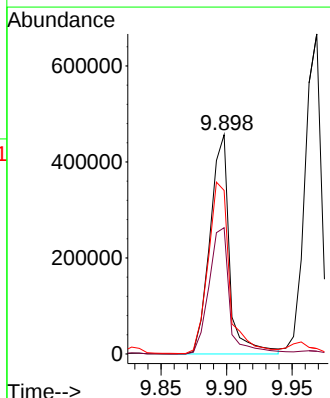
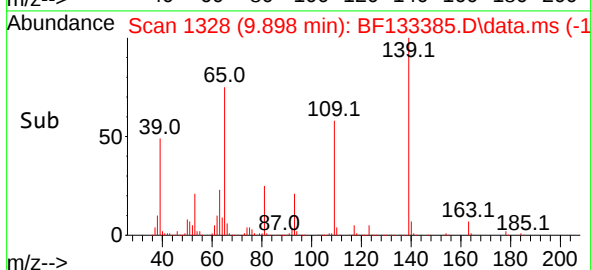
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

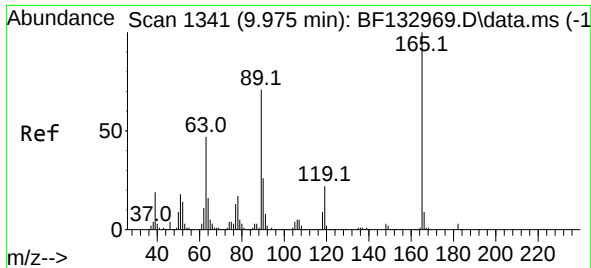


#56
4-Nitrophenol
Concen: 69.595 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.012 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:139 Resp: 473209
Ion Ratio Lower Upper
139 100
109 57.6 39.4 79.4
65 74.6 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 41.001 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:165 Resp: 386050

Ion Ratio Lower Upper

165 100

63 41.3 37.7 56.5

89 62.7 57.0 85.4

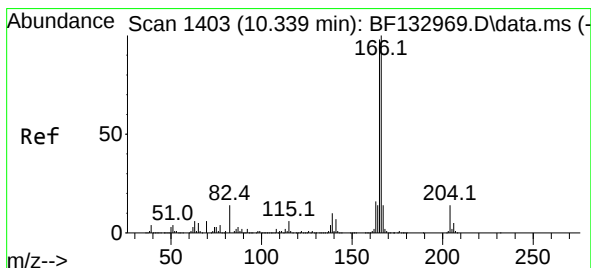
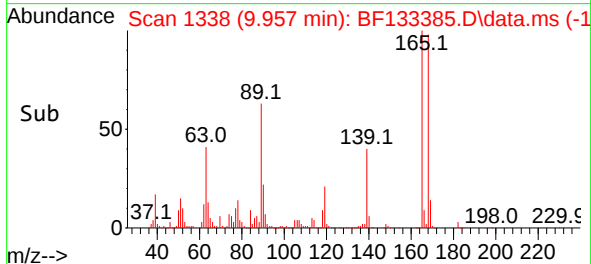
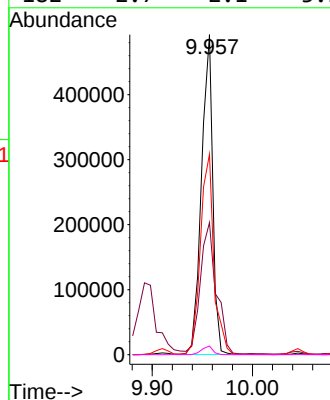
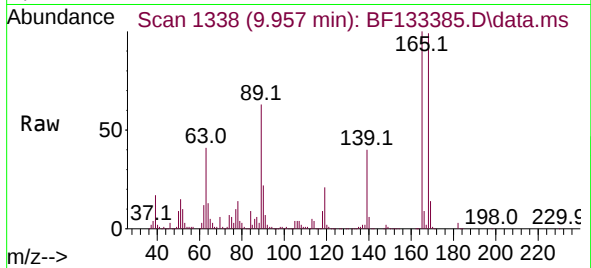
182 2.7 2.1 3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#58

Fluorene

Concen: 38.979 ng

RT: 10.310 min Scan# 1398

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

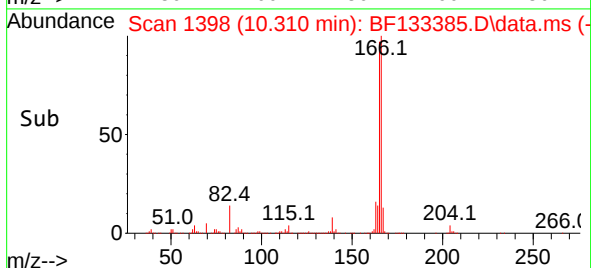
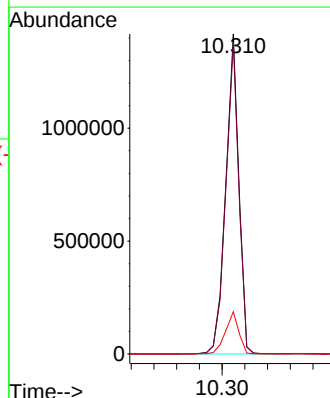
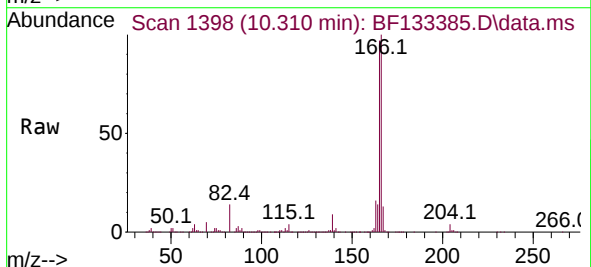
Tgt Ion:166 Resp: 1138307

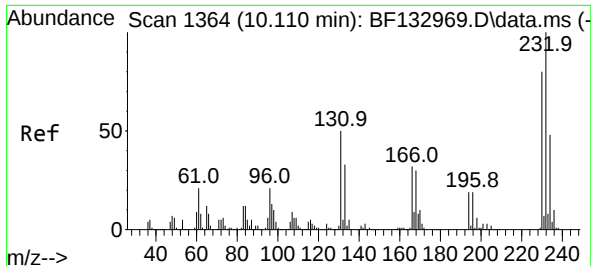
Ion Ratio Lower Upper

166 100

165 97.3 78.6 117.8

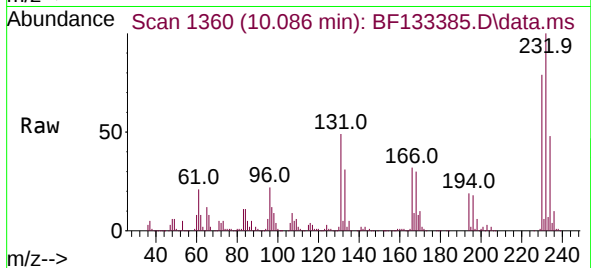
167 13.2 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.648 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

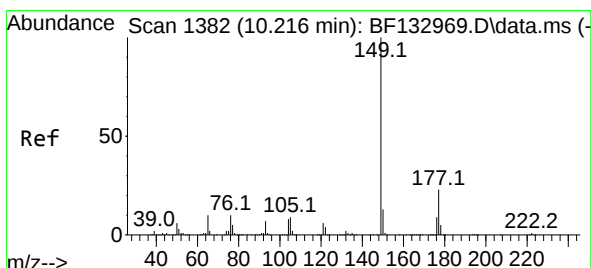
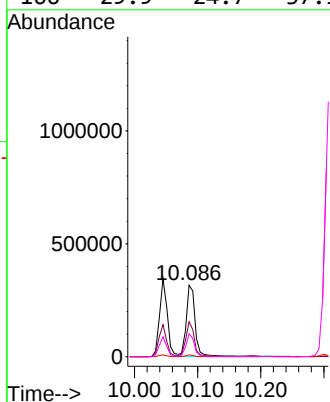
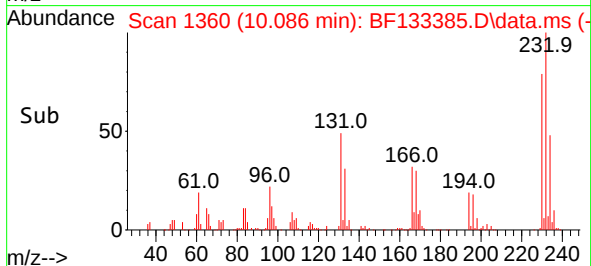
Instrument :
BNA_F
ClientSampleId :
PB152783BS



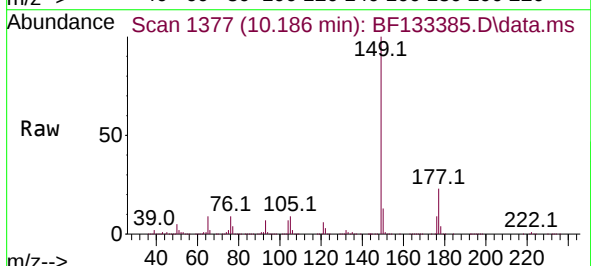
Tgt Ion:232 Resp: 310974
Ion Ratio Lower Upper
232 100
131 46.8 38.0 57.0
130 2.3 1.8 2.8
166 29.9 24.7 37.1

Manual Integrations
APPROVED

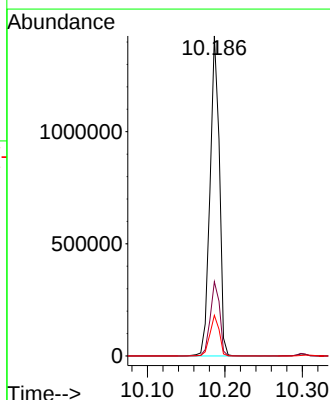
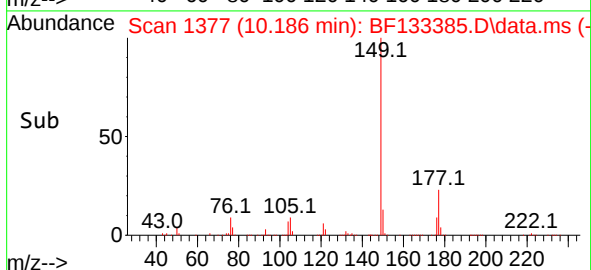
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

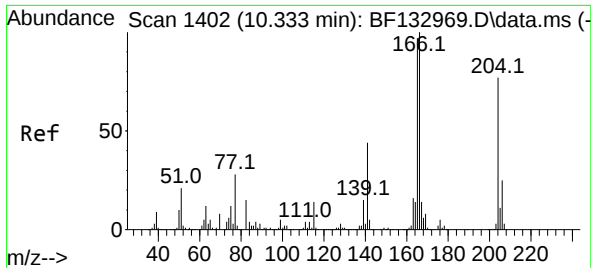


#60
Diethylphthalate
Concen: 38.489 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:149 Resp: 1192588
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.4
150 12.7 10.2 15.4





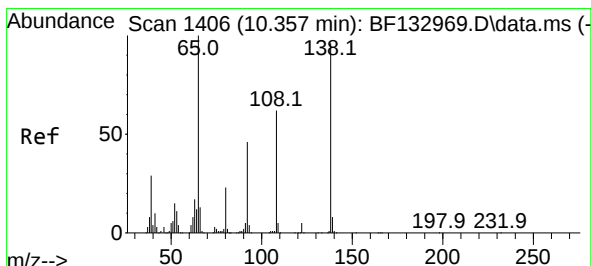
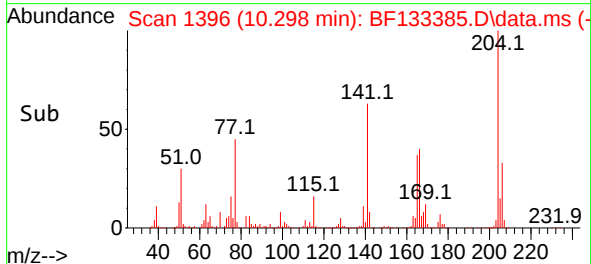
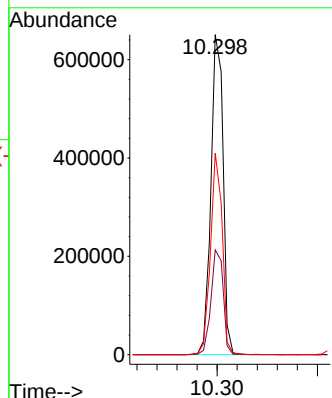
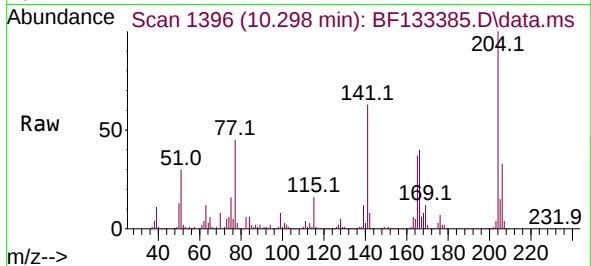
#61
4-Chlorophenyl-phenylether
Concen: 38.494 ng
RT: 10.298 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :
BNA_F
ClientSampleId :
PB152783BS

Tgt Ion:204 Resp: 54781
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 63.0 46.1 69.1

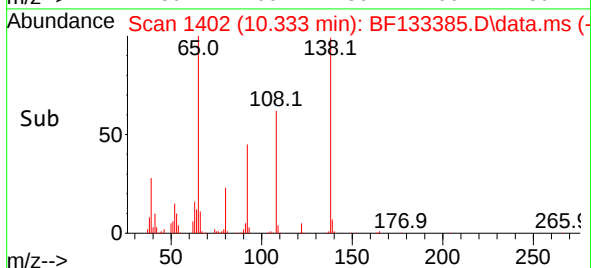
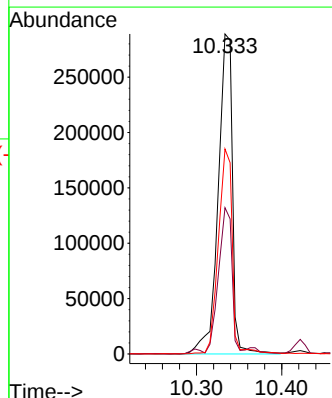
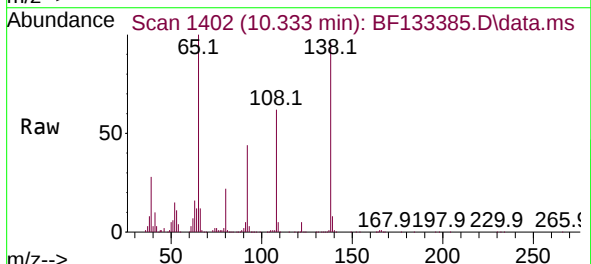
Manual Integrations
APPROVED

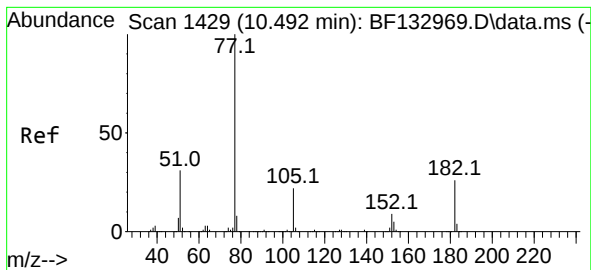
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#62
4-Nitroaniline
Concen: 41.689 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:138 Resp: 336379
Ion Ratio Lower Upper
138 100
92 45.7 27.7 67.7
108 64.1 45.2 85.2





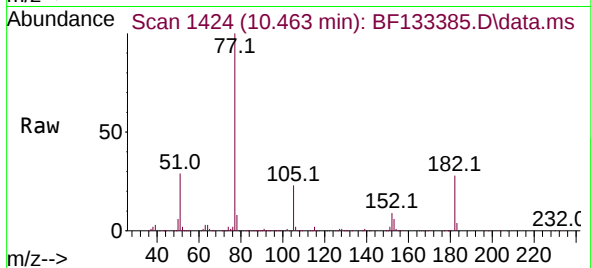
#63
Azobenzene
Concen: 36.208 ng
RT: 10.463 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

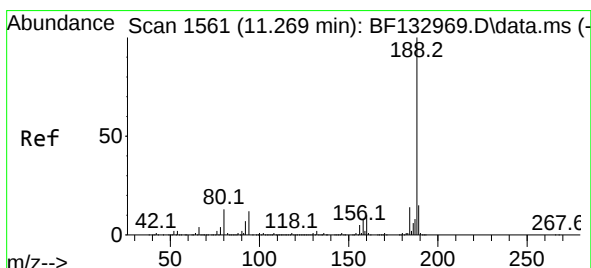
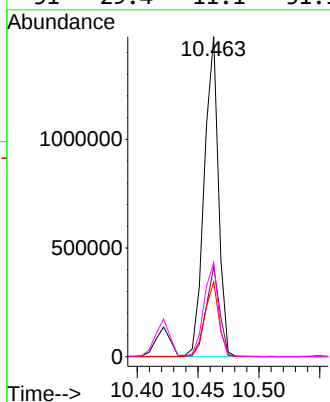
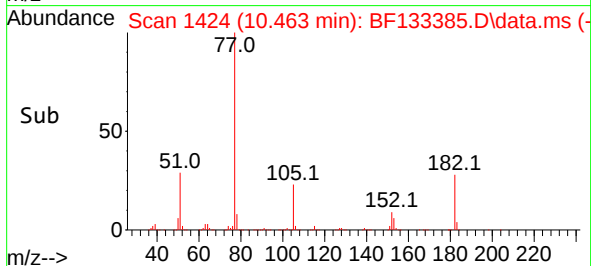


Tgt Ion: 77 Resp: 1188504
Ion Ratio Lower Upper
77 100
182 28.1 5.9 45.9
105 23.4 2.3 42.3
51 29.4 11.1 51.1

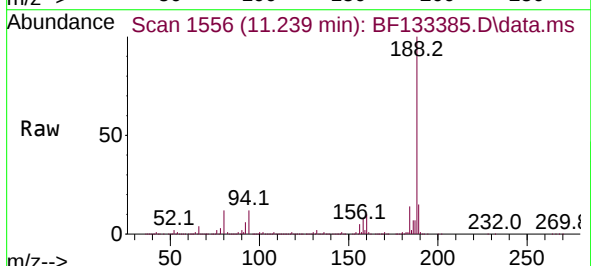
Manual Integrations

APPROVED

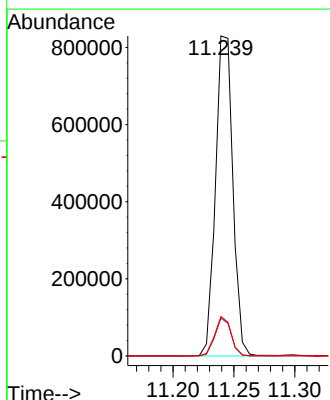
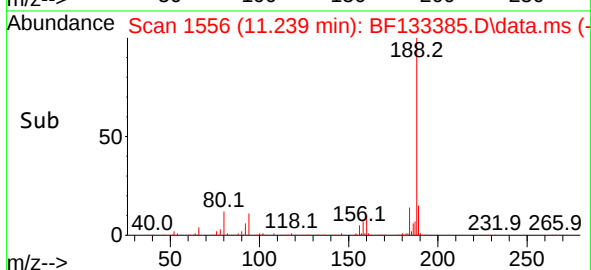
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

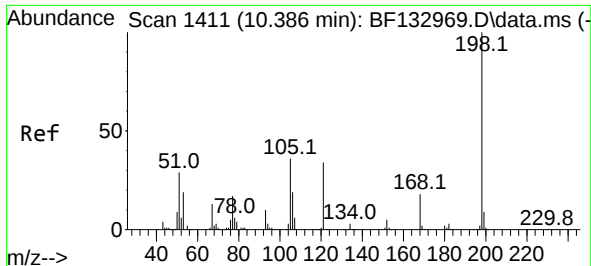


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



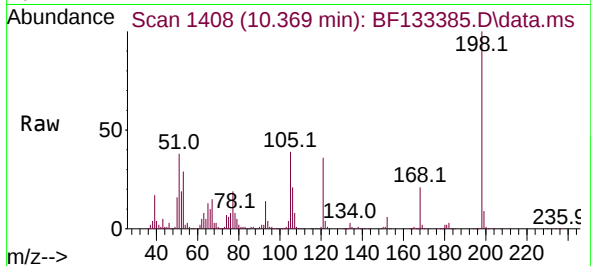
Tgt Ion:188 Resp: 825844
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.4 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 43.738 ng
RT: 10.369 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

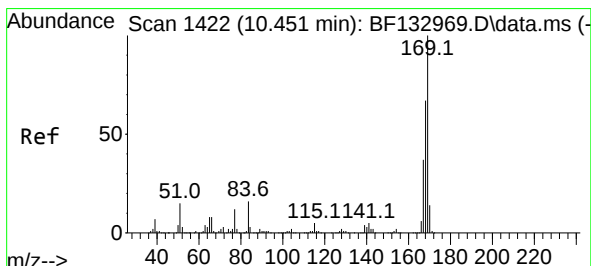
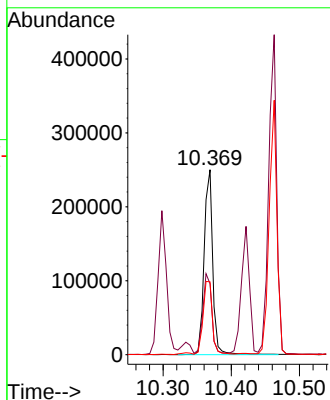
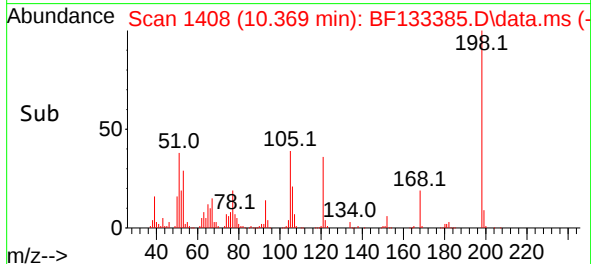
Instrument :
BNA_F
ClientSampleId :
PB152783BS



Tgt Ion:198 Resp: 21893
Ion Ratio Lower Upper
198 100
51 38.4 15.5 55.5
105 39.4 16.7 56.7

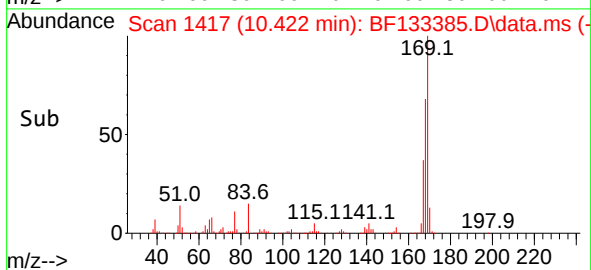
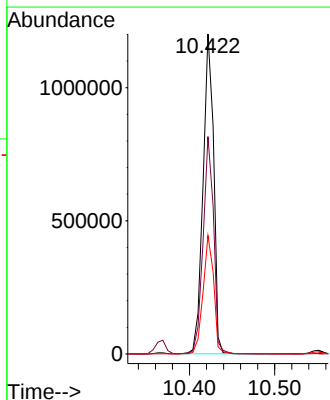
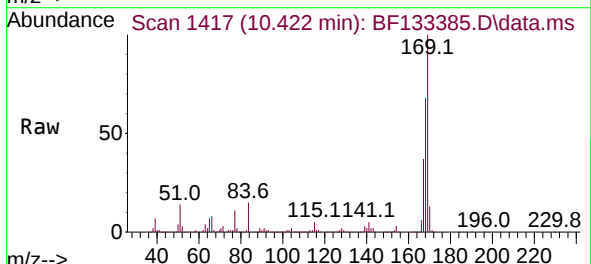
Manual Integrations
APPROVED

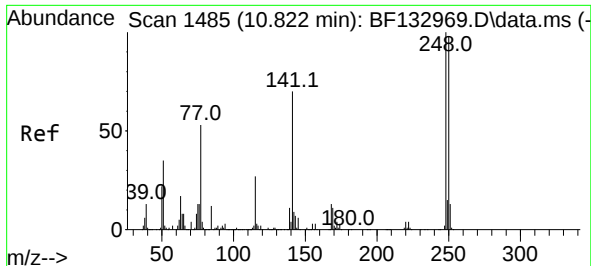
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#66
n-Nitrosodiphenylamine
Concen: 38.708 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:169 Resp: 1036930
Ion Ratio Lower Upper
169 100
168 68.0 53.8 80.8
167 37.0 29.7 44.5





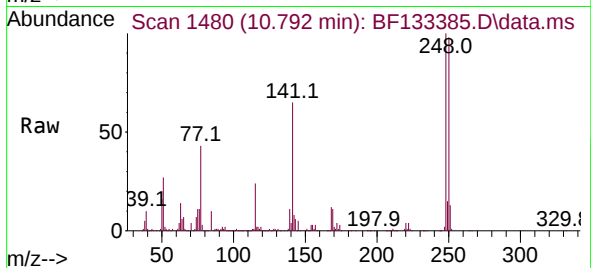
#67
4-Bromophenyl-phenylether
Concen: 38.014 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

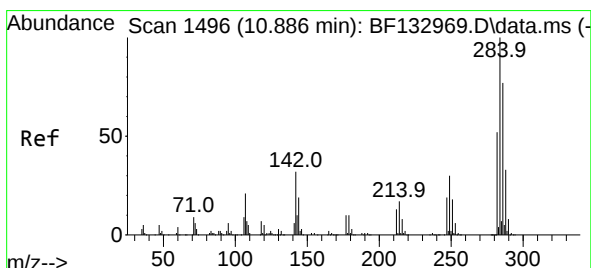
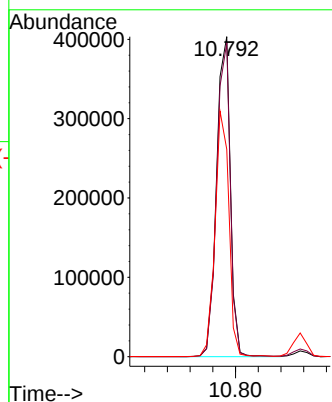
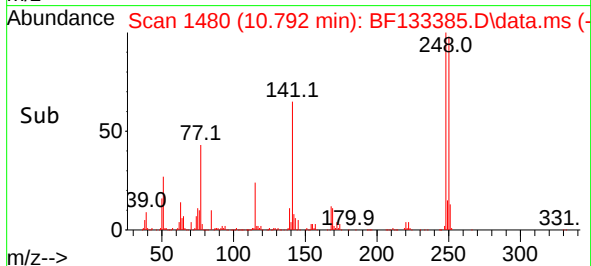


Tgt Ion:248 Resp: 340485
Ion Ratio Lower Upper
248 100
250 98.0 78.7 118.1
141 64.8 56.3 84.5

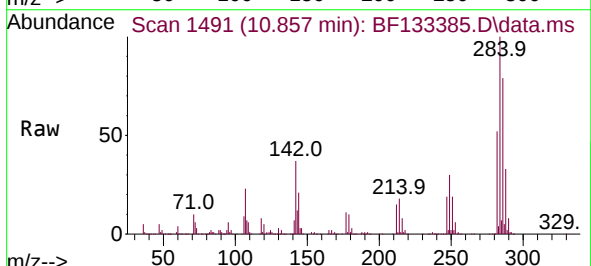
Manual Integrations

APPROVED

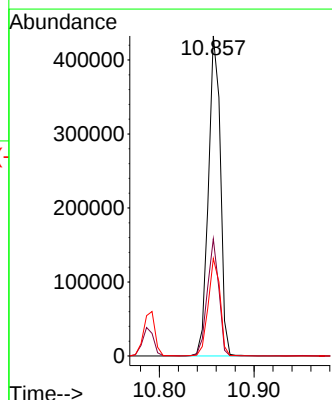
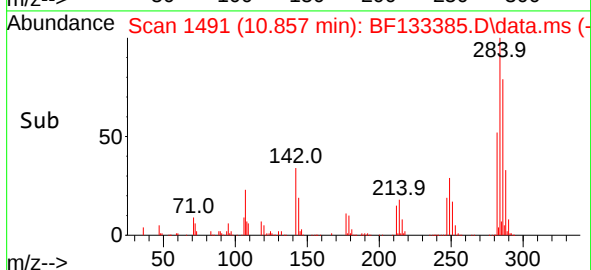
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023

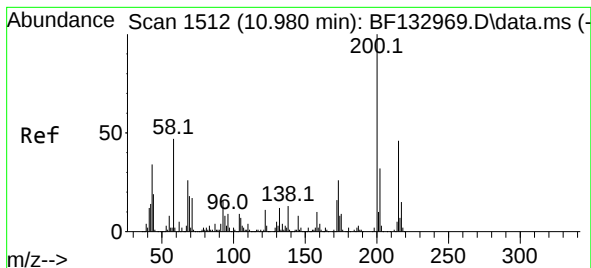


#68
Hexachlorobenzene
Concen: 41.308 ng
RT: 10.857 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:284 Resp: 379120
Ion Ratio Lower Upper
284 100
142 36.6 26.0 39.0
249 30.5 23.7 35.5





#69

Atrazine

Concen: 45.973 ng

RT: 10.951 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:200 Resp: 354860

Ion Ratio Lower Upper

200 100

173 28.0 6.2 46.2

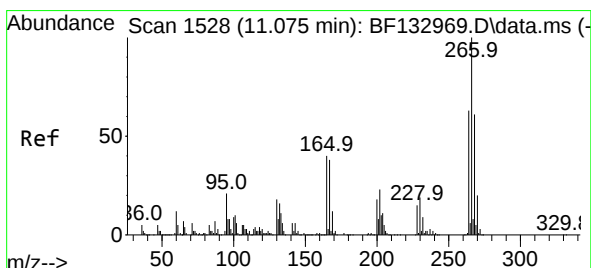
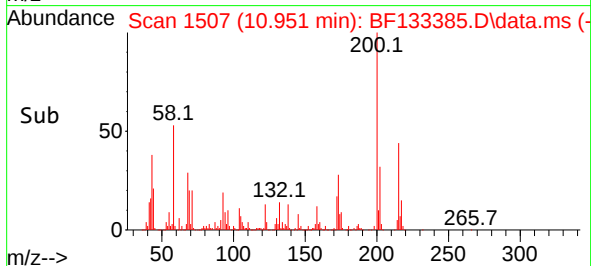
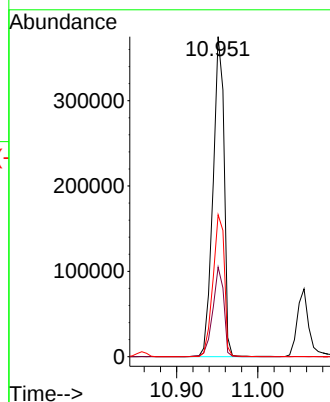
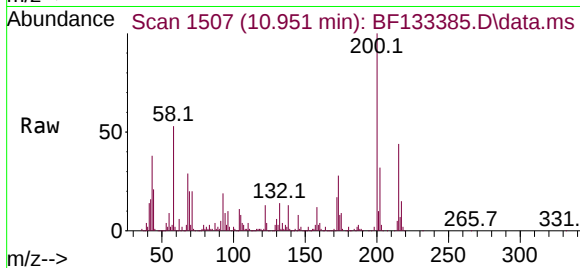
215 44.3 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#70

Pentachlorophenol

Concen: 69.491 ng

RT: 11.057 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

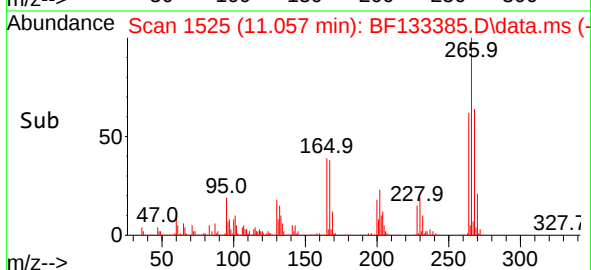
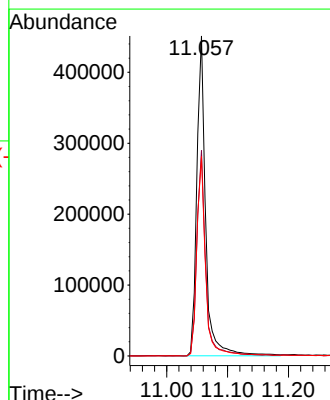
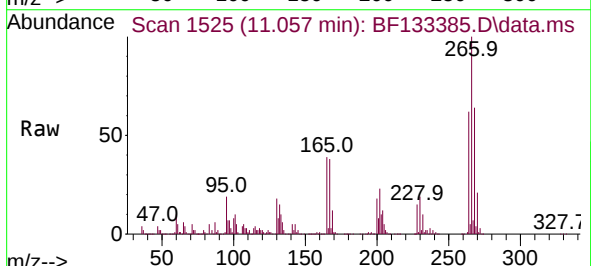
Tgt Ion:266 Resp: 454225

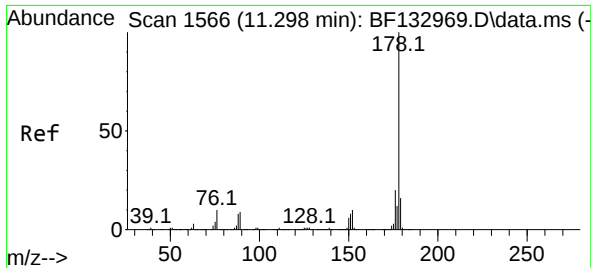
Ion Ratio Lower Upper

266 100

268 64.2 48.8 73.2

264 62.3 50.6 76.0





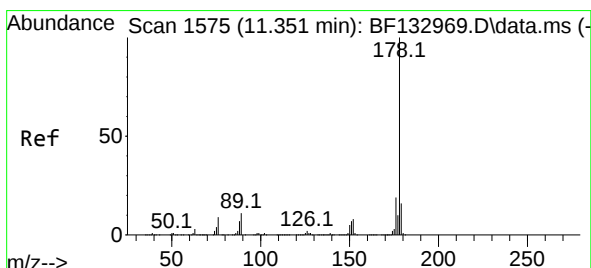
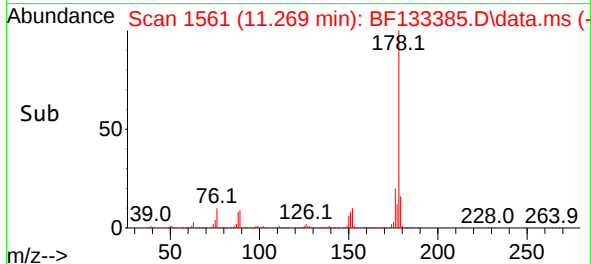
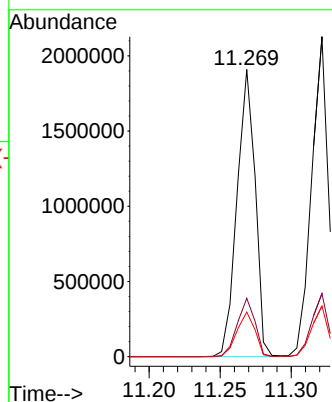
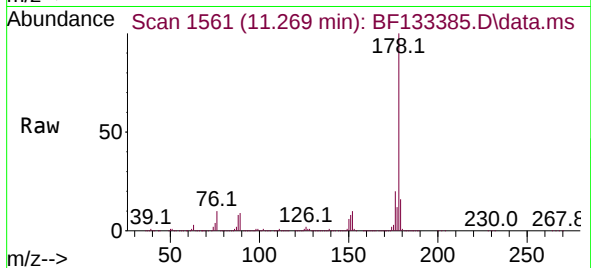
#71
Phenanthrene
Concen: 38.360 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :
BNA_F
ClientSampleId :
PB152783BS

Tgt Ion:178 Resp: 1702694
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.6 12.5 18.7

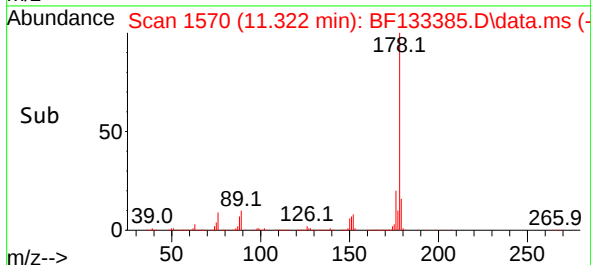
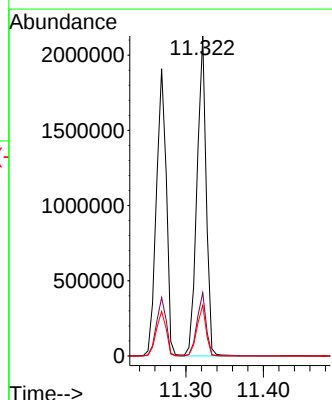
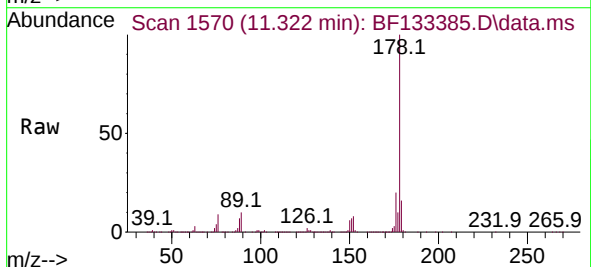
Manual Integrations
APPROVED

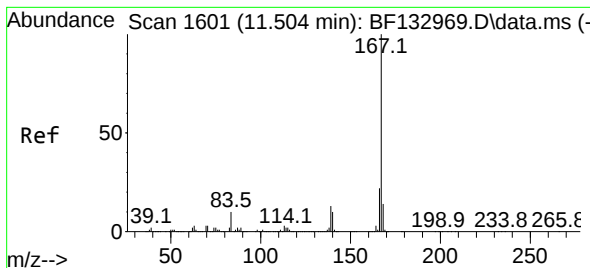
Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#72
Anthracene
Concen: 38.594 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Tgt Ion:178 Resp: 1753143
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.9 12.4 18.6





#73

Carbazole

Concen: 39.599 ng

RT: 11.480 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:167 Resp: 1601680

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

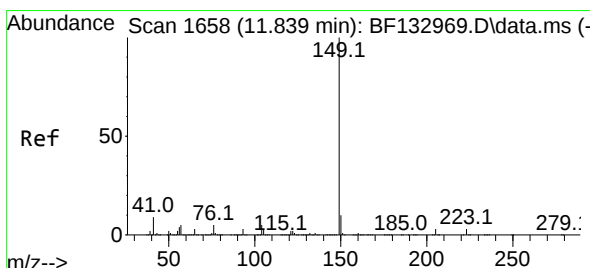
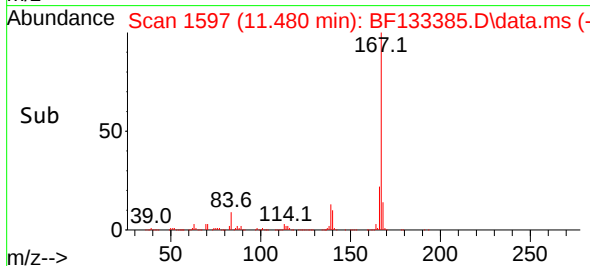
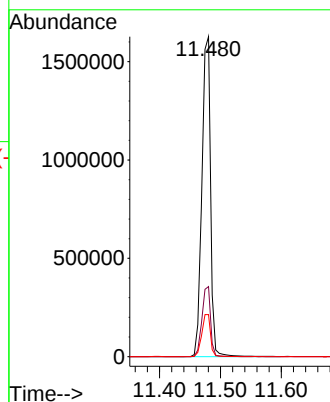
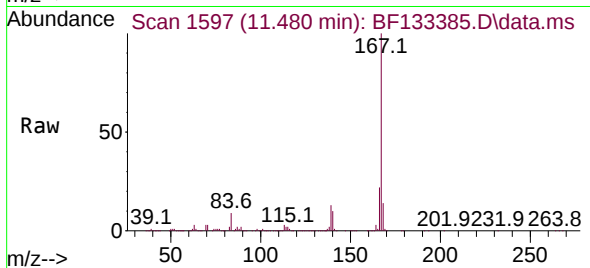
139 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#74

Di-n-butylphthalate

Concen: 40.547 ng

RT: 11.810 min Scan# 1653

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

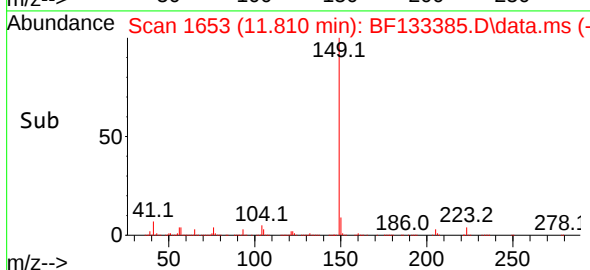
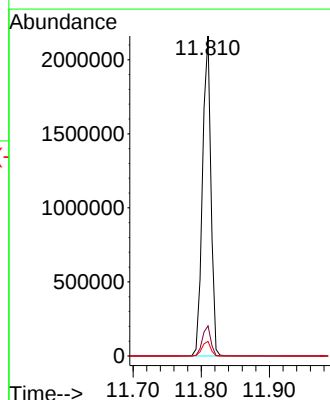
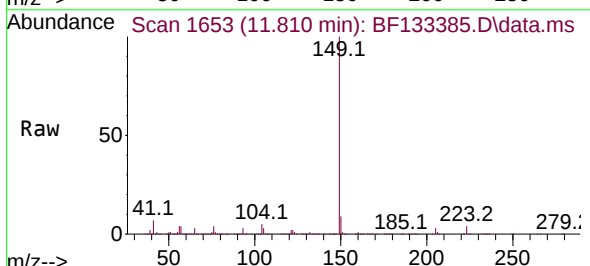
Tgt Ion:149 Resp: 1855974

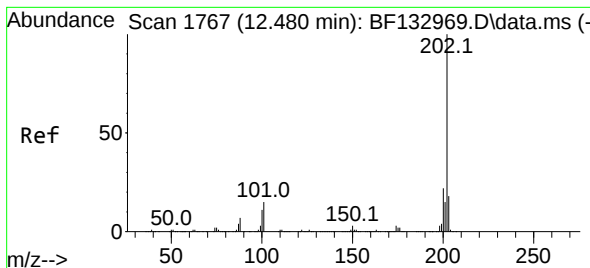
Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

104 4.6 4.0 6.0





#75

Fluoranthene

Concen: 38.442 ng

RT: 12.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:202 Resp: 171248

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.3

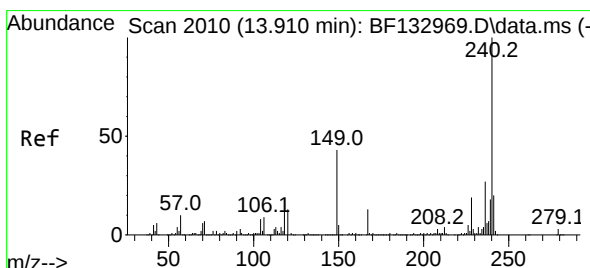
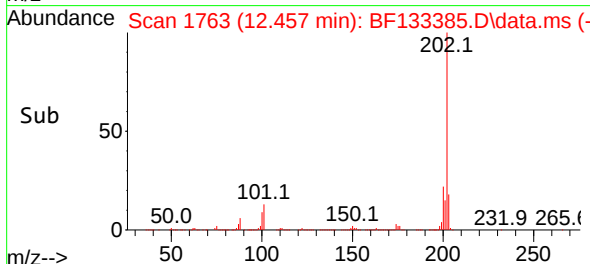
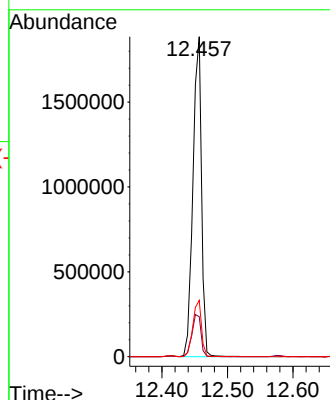
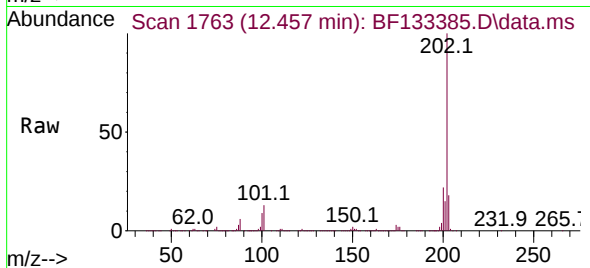
203 17.6 0.0 38.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

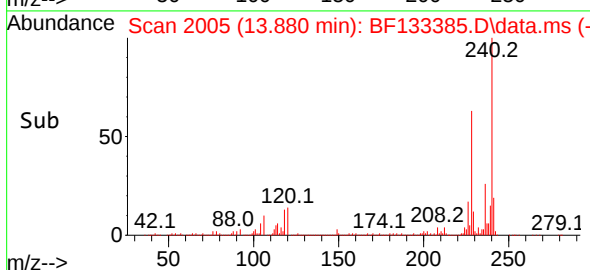
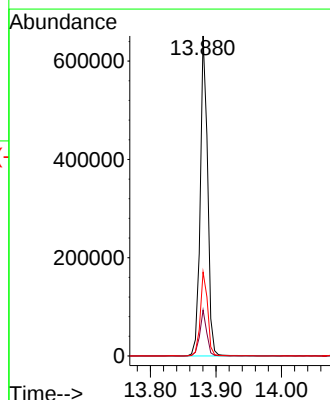
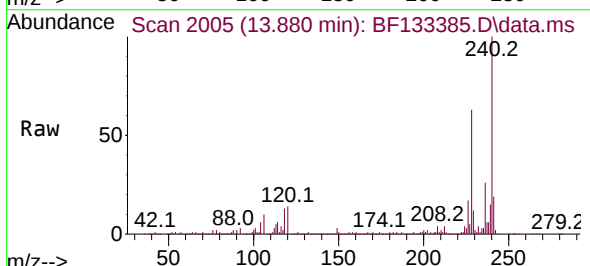
Tgt Ion:240 Resp: 510395

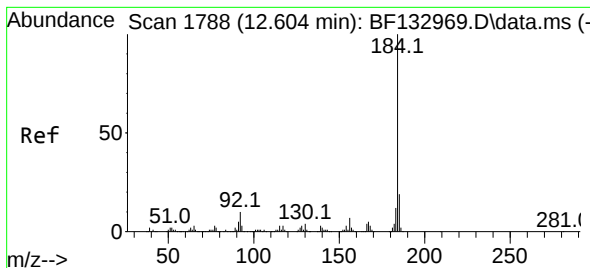
Ion Ratio Lower Upper

240 100

120 14.4 10.5 15.7

236 26.2 21.5 32.3





#77

Benzidine

Concen: 116.146 ng

RT: 12.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:184 Resp: 1002462

Ion Ratio Lower Upper

184 100

185 14.5 15.4 23.2

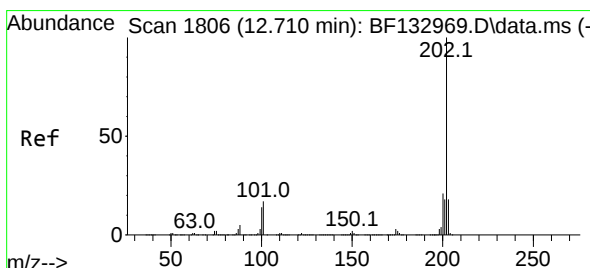
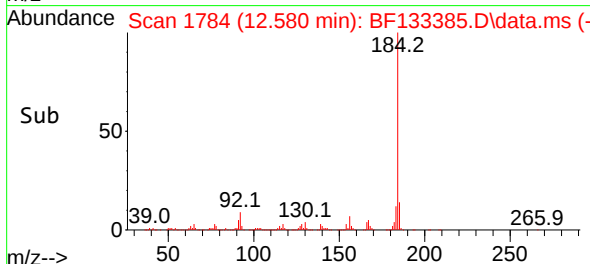
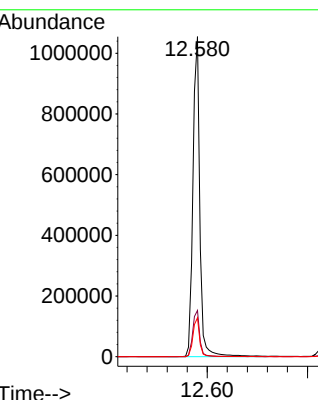
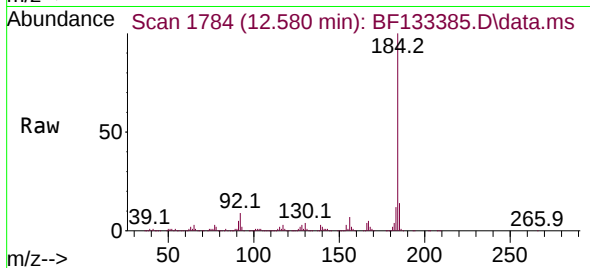
183 12.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#78

Pyrene

Concen: 39.673 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

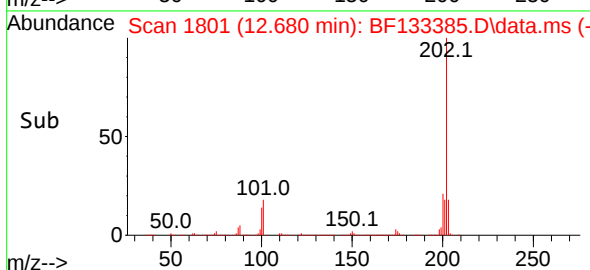
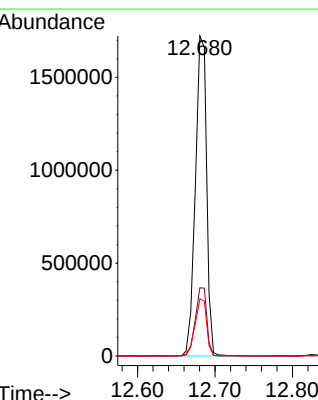
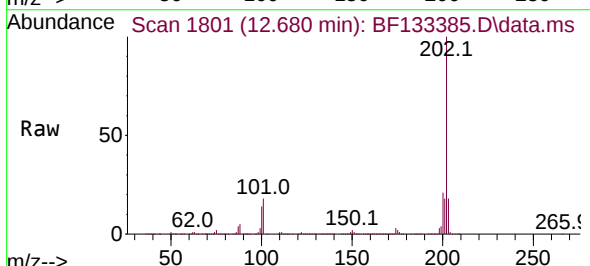
Tgt Ion:202 Resp: 1735796

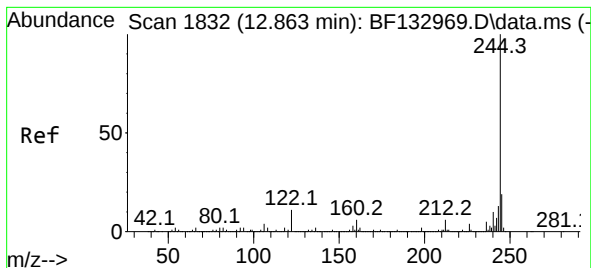
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 65.537 ng

RT: 12.827 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133385.D

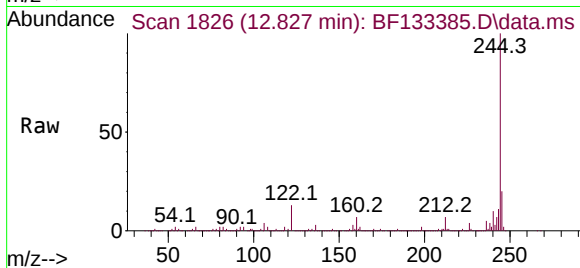
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS



Tgt Ion:244 Resp: 1939478

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

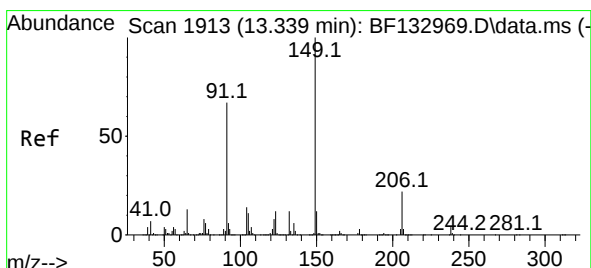
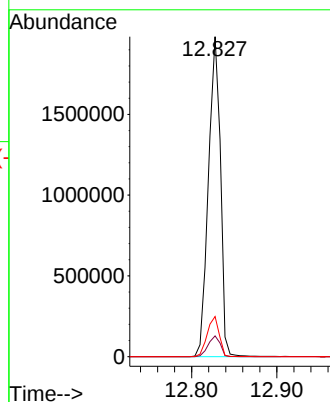
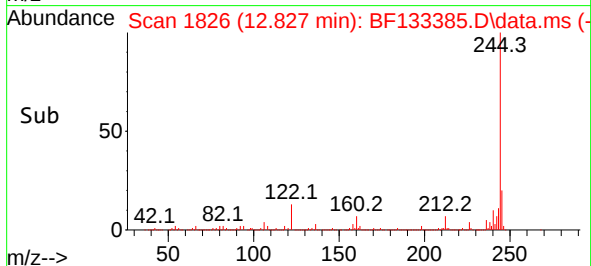
122 12.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#80

Butylbenzylphthalate

Concen: 48.921 ng

RT: 13.304 min Scan# 1907

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

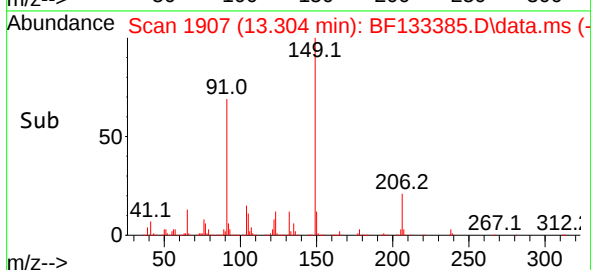
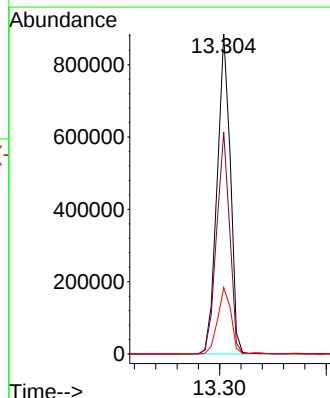
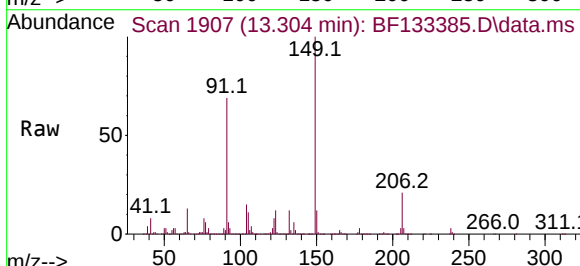
Tgt Ion:149 Resp: 757873

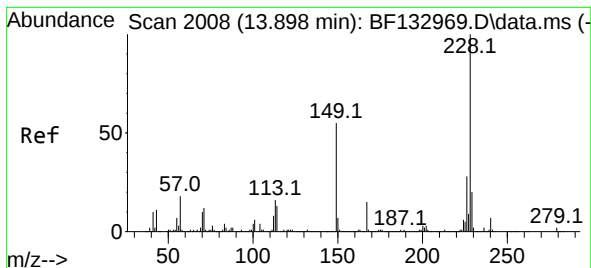
Ion Ratio Lower Upper

149 100

91 69.3 53.8 80.6

206 20.7 17.5 26.3





#81

Benzo(a)anthracene

Concen: 37.081 ng

RT: 13.874 min Scan# 2008

Delta R.T. 0.006 min

Lab File: BF133385.D

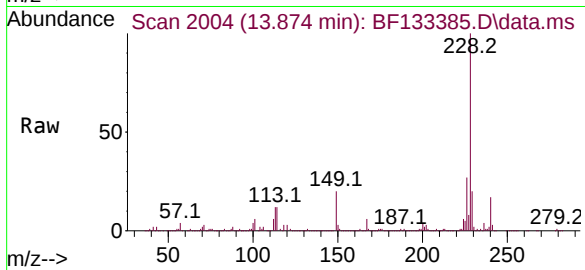
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS



Tgt Ion:228 Resp: 1301470

Ion Ratio Lower Upper

228 100

226 26.9 22.2 33.4

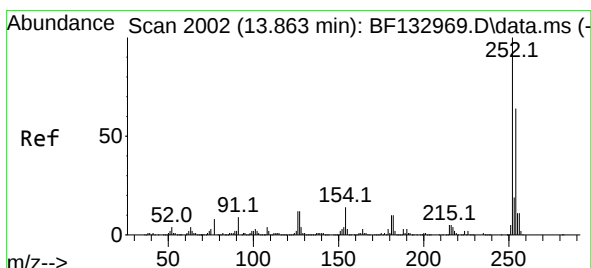
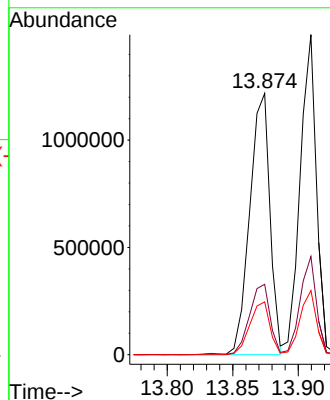
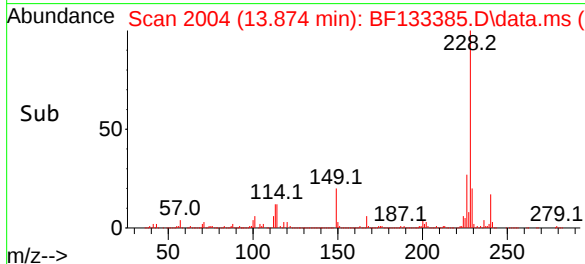
229 20.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#82

3,3'-Dichlorobenzidine

Concen: 32.944 ng

RT: 13.833 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

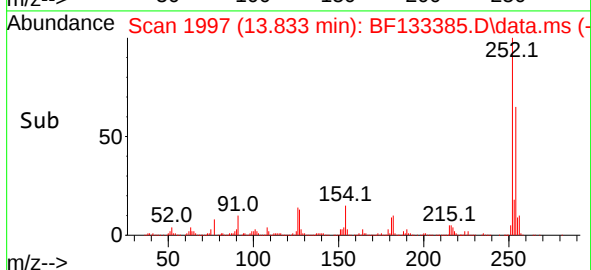
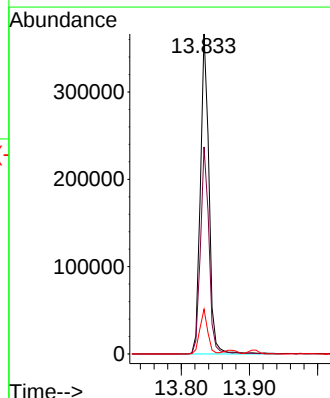
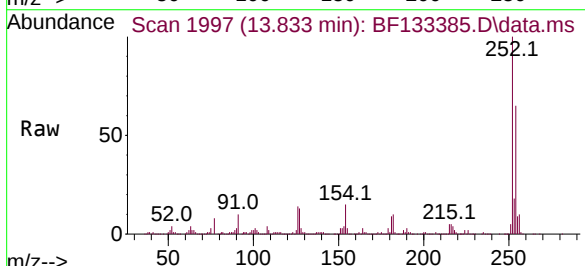
Tgt Ion:252 Resp: 319426

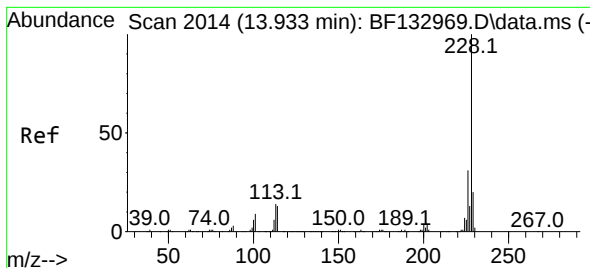
Ion Ratio Lower Upper

252 100

254 64.7 51.5 77.3

126 14.0 9.5 14.3





#83

Chrysene

Concen: 37.005 ng

RT: 13.910 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:228 Resp: 129849

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

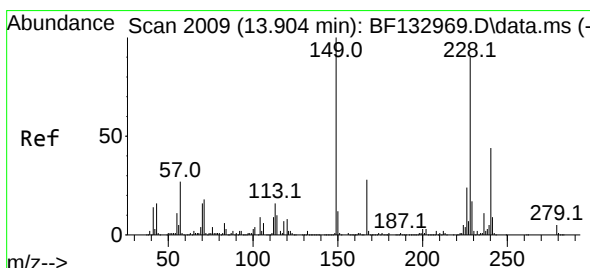
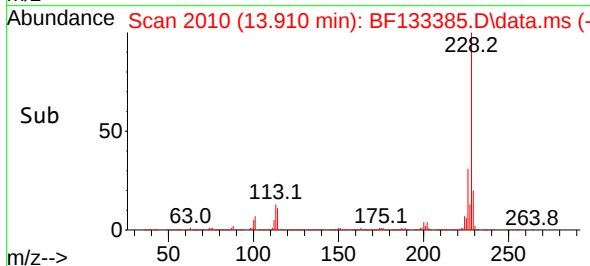
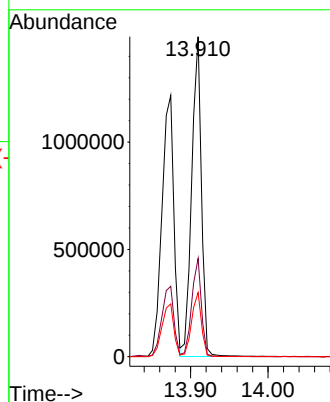
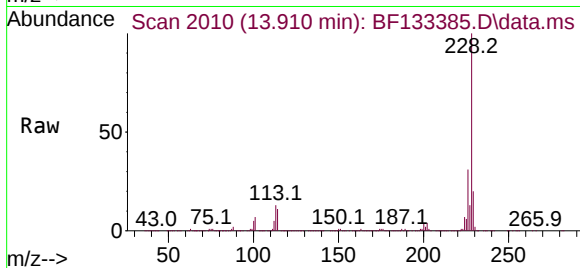
229 20.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.588 ng

RT: 13.863 min Scan# 2002

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

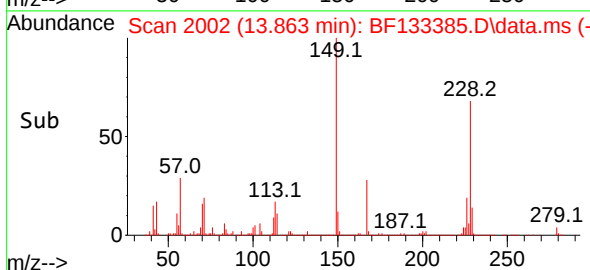
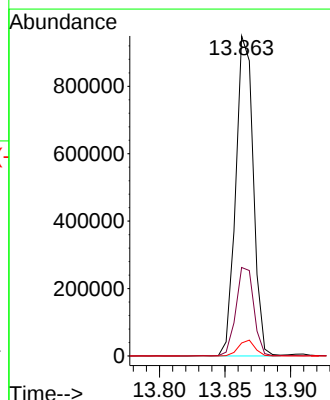
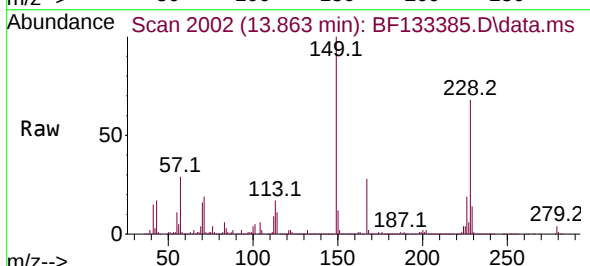
Tgt Ion:149 Resp: 886457

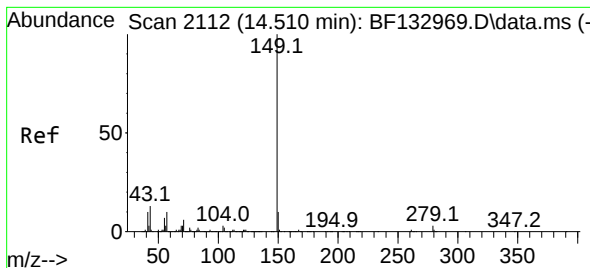
Ion Ratio Lower Upper

149 100

167 27.7 22.5 33.7

279 4.1 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 44.644 ng

RT: 14.474 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:149 Resp: 141548

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

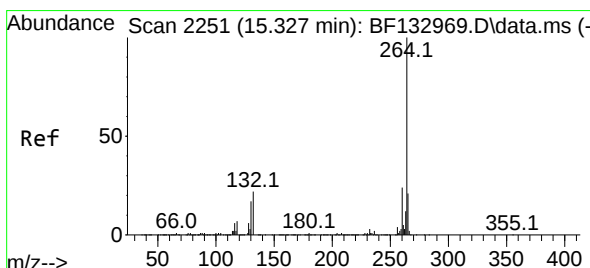
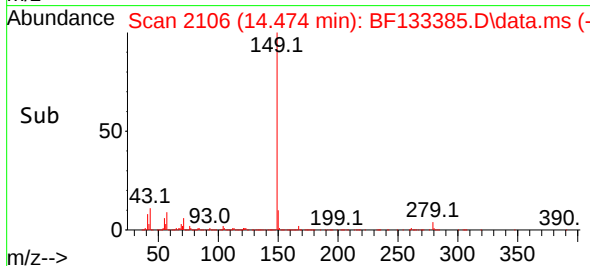
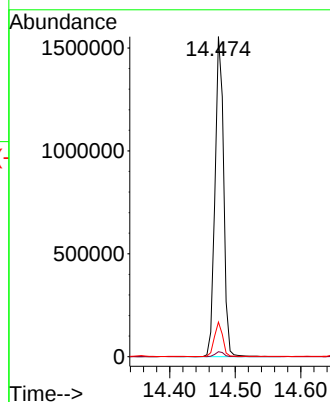
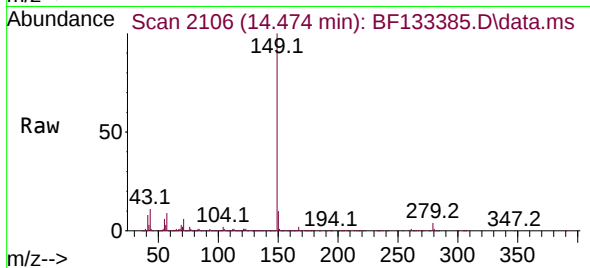
43 10.4 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

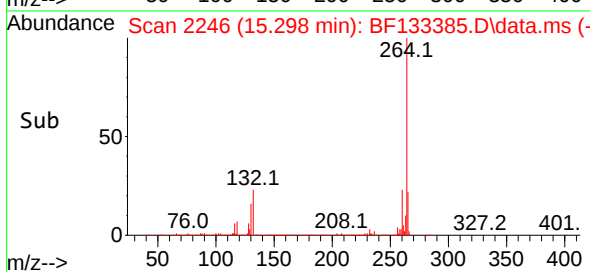
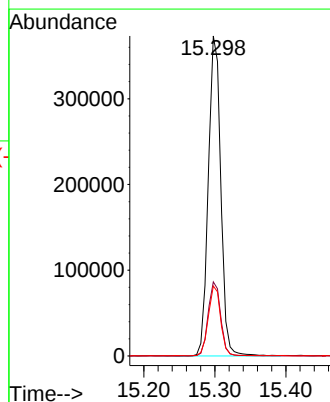
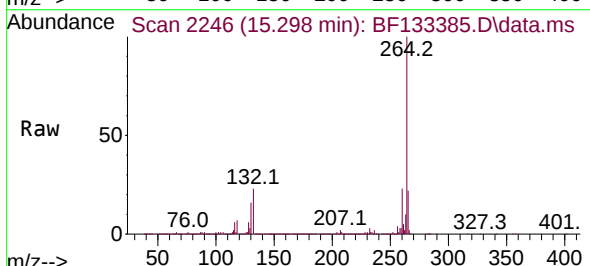
Tgt Ion:264 Resp: 456796

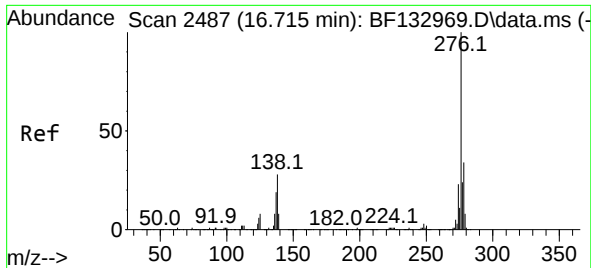
Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

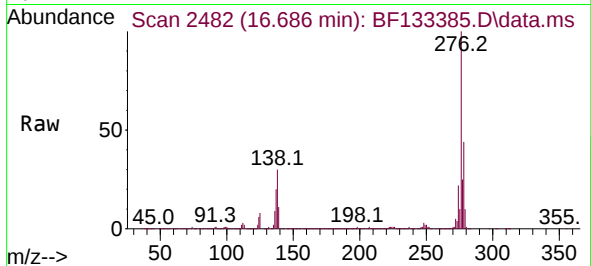
265 21.8 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.483 ng
RT: 16.686 min Scan# 2487
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

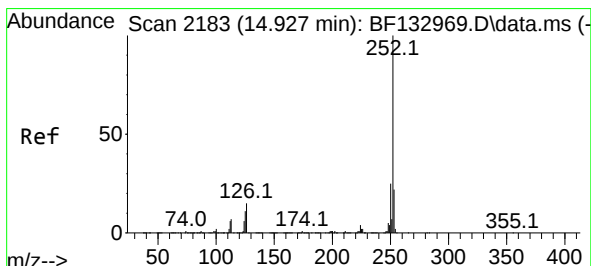
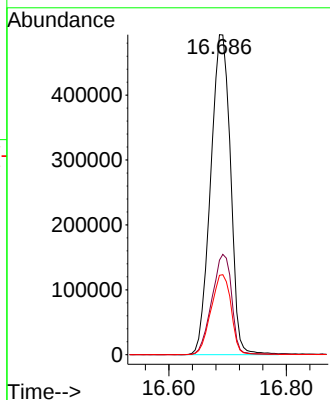
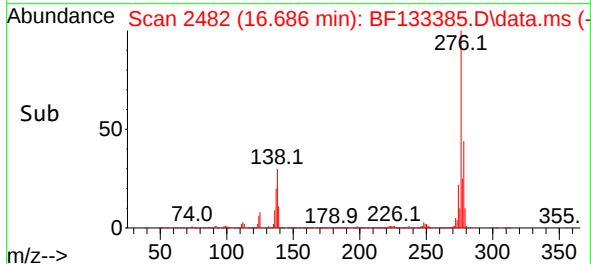
Instrument :
BNA_F
ClientSampleId :
PB152783BS



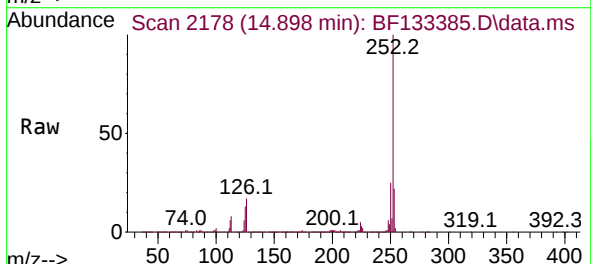
Tgt Ion: 276 Resp: 115583
Ion Ratio Lower Upper
276 100
138 31.5 25.5 38.3
277 25.5 20.4 30.6

Manual Integrations
APPROVED

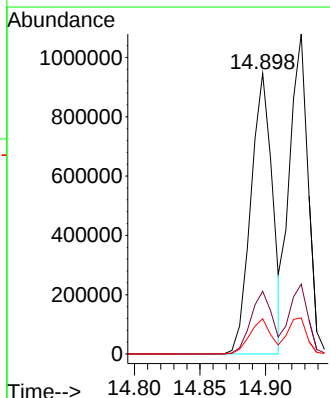
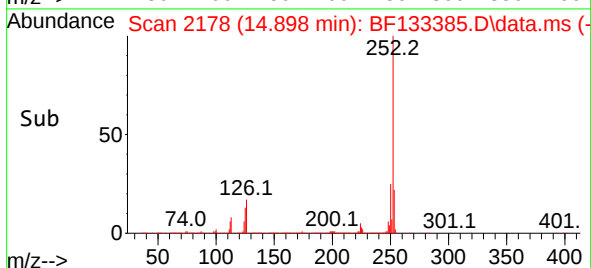
Reviewed By : Christian Giraldo 05/16/2023
Supervised By : Yogesh Patel 05/16/2023

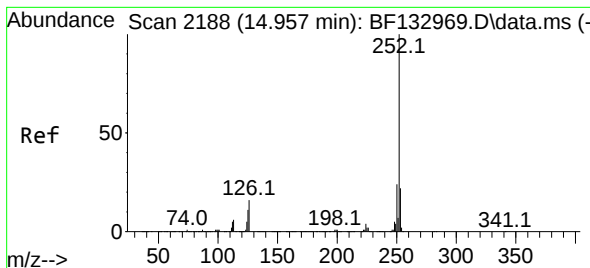


#88
Benzo(b)fluoranthene
Concen: 37.197 ng
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion: 252 Resp: 1080983
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 12.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 37.127 ng

RT: 14.927 min Scan# 2188

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

Tgt Ion:252 Resp: 106954

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

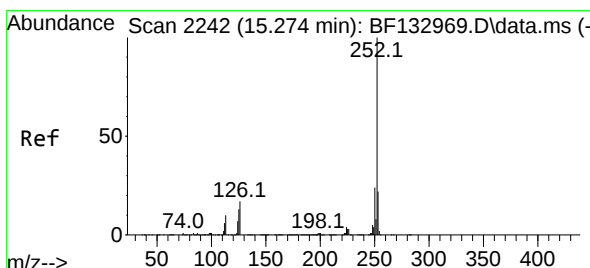
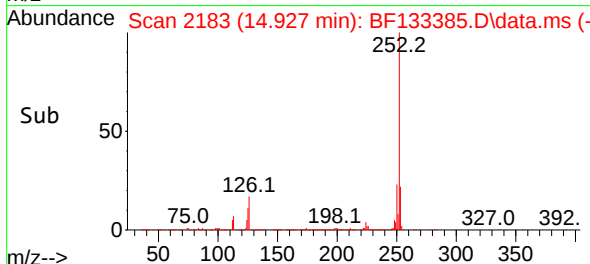
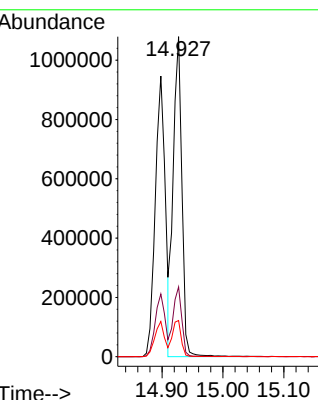
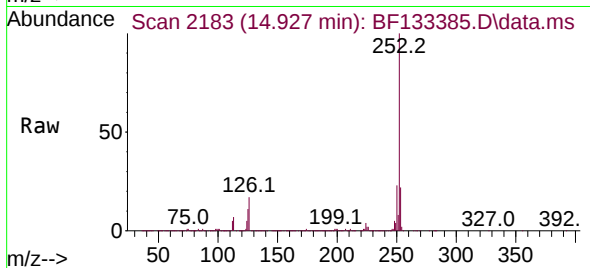
125 11.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023

Supervised By :Yogesh Patel 05/16/2023



#90

Benzo(a)pyrene

Concen: 35.196 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF133385.D

Acq: 15 May 2023 15:32

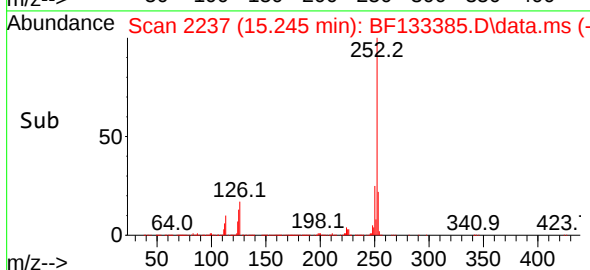
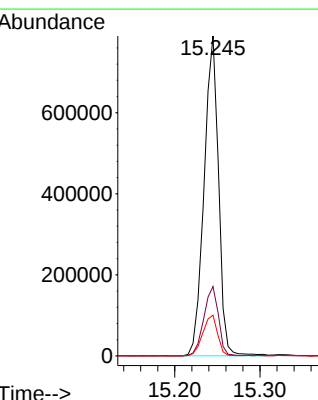
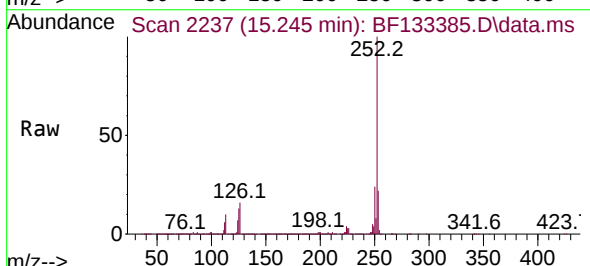
Tgt Ion:252 Resp: 930982

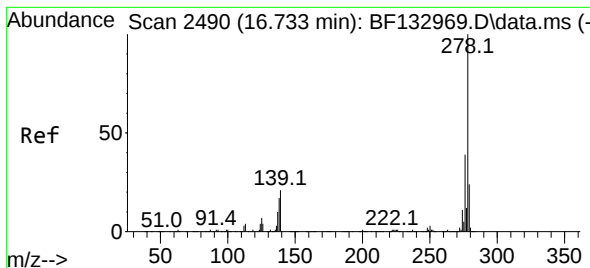
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 12.8 10.5 15.7





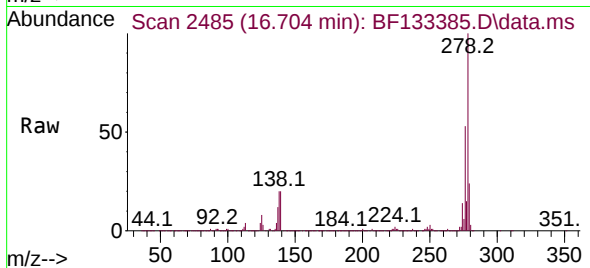
#91
Dibenzo(a,h)anthracene
Concen: 43.909 ng
RT: 16.704 min Scan# 2490
Delta R.T. 0.012 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32

Instrument :

BNA_F

ClientSampleId :

PB152783BS

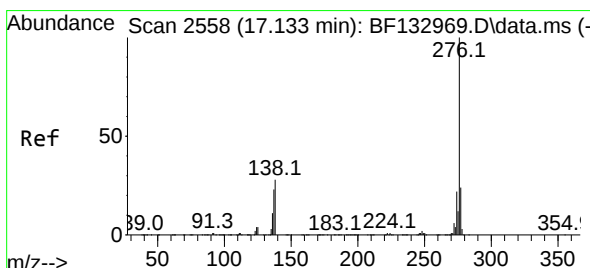
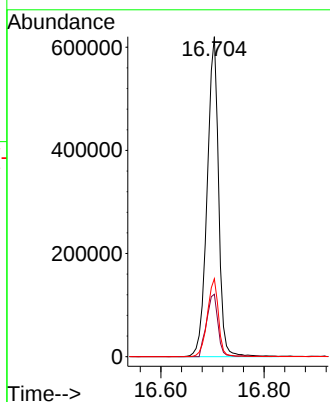
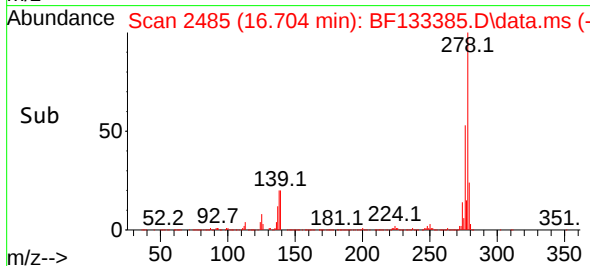


Tgt Ion:278 Resp: 951578
Ion Ratio Lower Upper
278 100
139 19.5 16.6 24.8
279 24.4 18.8 28.2

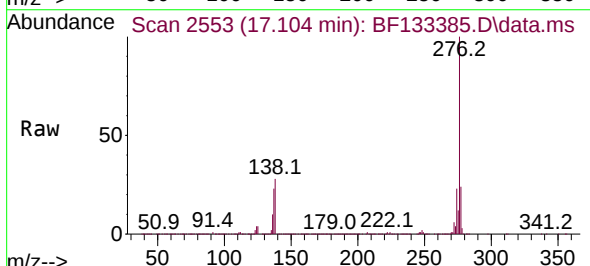
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2023
Supervised By :Yogesh Patel 05/16/2023



#92
Benzo(g,h,i)perylene
Concen: 45.101 ng
RT: 17.104 min Scan# 2553
Delta R.T. 0.012 min
Lab File: BF133385.D
Acq: 15 May 2023 15:32



Tgt Ion:276 Resp: 964954
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 27.6 22.7 34.1

