

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
 Data File : BF131948.D
 Acq On : 06 Jan 2023 19:02
 Operator : CG\JU
 Sample : 01027-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-1-4-2023MSD

Quant Time: Jan 07 00:24:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 23:58:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	63180	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	225054	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	114009	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	188014	20.000	ng	0.00
76) Chrysene-d12	14.004	240	146138	20.000	ng	0.00
86) Perylene-d12	15.474	264	110283	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	555902	145.814	ng	0.04
7) Phenol-d6	6.445	99	665614	132.889	ng	0.00
23) Nitrobenzene-d5	7.375	82	534729	94.863	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	153488	123.909	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	893175	107.308	ng	0.00
79) Terphenyl-d14	12.939	244	811888	93.974	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.675	88	80418	45.488	ng	Qvalue
3) Pyridine	3.393	79	196319	39.500	ng	# 82
4) n-Nitrosodimethylamine	3.322	42	116682	49.930	ng	97
6) Aniline	6.463	93	119123	19.610	ng	94
8) 2-Chlorophenol	6.587	128	199613	49.697	ng	# 1
9) Benzaldehyde	6.351	77	95551	29.731	ng	94
10) Phenol	6.457	94	243855	40.883	ng	96
11) bis(2-Chloroethyl)ether	6.540	93	219112	51.369	ng	89
12) 1,3-Dichlorobenzene	6.740	146	221737	48.308	ng	99
13) 1,4-Dichlorobenzene	6.816	146	223823	48.385	ng	99
14) 1,2-Dichlorobenzene	6.969	146	216299	49.763	ng	98
15) Benzyl Alcohol	6.951	79	222462	50.647	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.081	45	269634	49.535	ng	97
17) 2-Methylphenol	7.069	107	175552	47.809	ng	89
18) Hexachloroethane	7.310	117	85599	45.826	ng	94
19) n-Nitroso-di-n-propyla...	7.222	70	175057	49.487	ng	95
20) 3+4-Methylphenols	7.222	107	221320	46.194	ng	98
22) Acetophenone	7.216	105	334310	50.669	ng	99
24) Nitrobenzene	7.392	77	272393	48.219	ng	95
25) Isophorone	7.634	82	470593	51.121	ng	99
26) 2-Nitrophenol	7.710	139	90321	41.122	ng	100
27) 2,4-Dimethylphenol	7.751	122	175121	55.895	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	263105	53.276	ng	97
29) 2,4-Dichlorophenol	7.951	162	174524	46.236	ng	99
30) 1,2,4-Trichlorobenzene	8.028	180	213939	47.804	ng	97
31) Naphthalene	8.110	128	572015	46.410	ng	99
32) Benzoic acid	7.863	122	45088m	19.690	ng	99
33) 4-Chloroaniline	8.163	127	51750	10.943	ng	94
34) Hexachlorobutadiene	8.222	225	139907	45.694	ng	98
35) Caprolactam	8.551	113	37738	33.768	ng	98
36) 4-Chloro-3-methylphenol	8.657	107	188165	44.108	ng	98
37) 2-Methylnaphthalene	8.804	142	382357	46.223	ng	99
38) 1-Methylnaphthalene	8.904	142	350763	43.655	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	216897	54.182	ng	100
41) Hexachlorocyclopentadiene	8.951	237	72583	43.438	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	121490	47.385	ng	99

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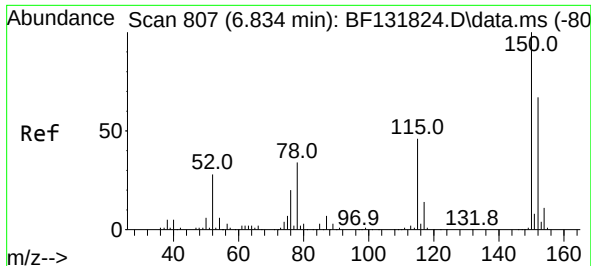
Quant Time: Jan 07 00:24:27 2023
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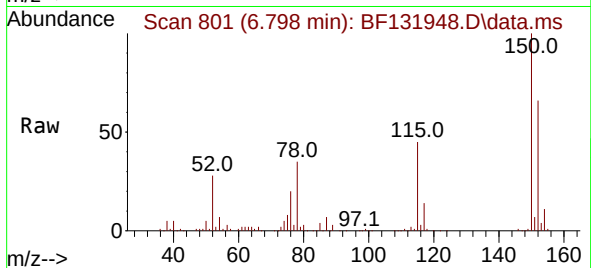
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	117236	42.301	ng	99
46) 1,1'-Biphenyl	9.275	154	477229	54.674	ng	99
47) 2-Chloronaphthalene	9.298	162	369717	51.199	ng	98
48) 2-Nitroaniline	9.404	65	136454	51.553	ng	99
49) Acenaphthylene	9.716	152	530149	49.304	ng	99
50) Dimethylphthalate	9.581	163	444166	51.497	ng	99
51) 2,6-Dinitrotoluene	9.645	165	86450	46.301	ng	99
52) Acenaphthene	9.886	154	314457	48.456	ng	100
53) 3-Nitroaniline	9.816	138	64646	33.980	ng	97
54) 2,4-Dinitrophenol	9.928	184	7389	6.877	ng	92
55) Dibenzofuran	10.063	168	483742	48.382	ng	98
56) 4-Nitrophenol	9.986	139	61639	46.250	ng	# 84
57) 2,4-Dinitrotoluene	10.051	165	107609	42.142	ng	92
58) Fluorene	10.404	166	365920	44.830	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.180	232	82045	36.074	ng	90
60) Diethylphthalate	10.280	149	408922	49.259	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	208147	49.054	ng	97
62) 4-Nitroaniline	10.433	138	79792	40.244	ng	96
63) Azobenzene	10.557	77	418819	45.460	ng	97
65) 4,6-Dinitro-2-methylph...	10.463	198	8149	6.366	ng	88
66) n-Nitrosodiphenylamine	10.522	169	312120	54.421	ng	98
67) 4-Bromophenyl-phenylether	10.886	248	115760	53.123	ng	# 91
68) Hexachlorobenzene	10.951	284	124933	52.191	ng	96
69) Atrazine	11.051	200	107098	56.722	ng	97
70) Pentachlorophenol	11.151	266	52595	44.403	ng	99
71) Phenanthrene	11.375	178	487399	47.141	ng	99
72) Anthracene	11.422	178	492681	48.712	ng	99
73) Carbazole	11.586	167	418601	46.881	ng	99
74) Di-n-butylphthalate	11.910	149	532646	49.353	ng	100
75) Fluoranthene	12.569	202	525675	43.650	ng	98
77) Benzidine	12.692	184	67793	28.228	ng	98
78) Pyrene	12.798	202	550294	44.926	ng	99
80) Butylbenzylphthalate	13.416	149	219037	48.212	ng	96
81) Benzo(a)anthracene	13.992	228	515437	48.715	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	87009	28.451	ng	98
83) Chrysene	14.027	228	470999	47.371	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	297936	53.859	ng	98
85) Di-n-octyl phthalate	14.592	149	507382	68.135	ng	99
87) Indeno(1,2,3-cd)pyrene	16.951	276	313309	44.718	ng	99
88) Benzo(b)fluoranthene	15.045	252	392333	48.518	ng	99
89) Benzo(k)fluoranthene	15.074	252	390521	49.983	ng	99
90) Benzo(a)pyrene	15.415	252	314138	50.177	ng	98
91) Dibenzo(a,h)anthracene	16.968	278	263233	45.867	ng	99
92) Benzo(g,h,i)perylene	17.398	276	245255	37.428	ng	96

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

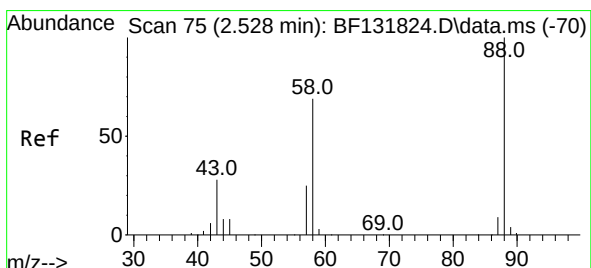
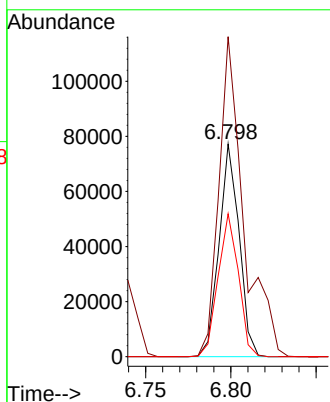
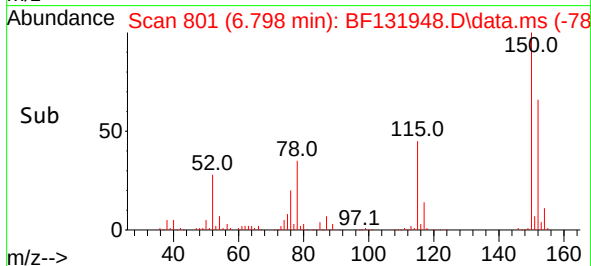
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-1-4-2023MSD



Tgt Ion:152 Resp: 63180
 Ion Ratio Lower Upper
 152 100
 150 150.5 120.0 180.0
 115 67.2 55.1 82.7

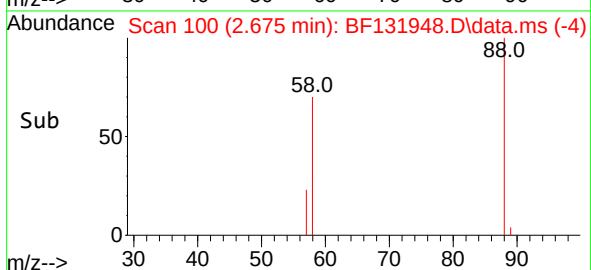
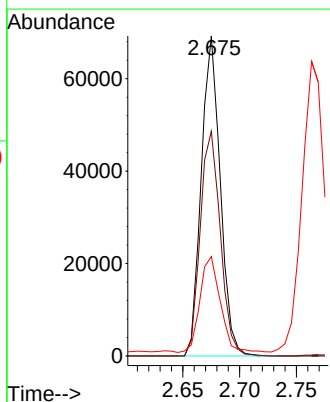
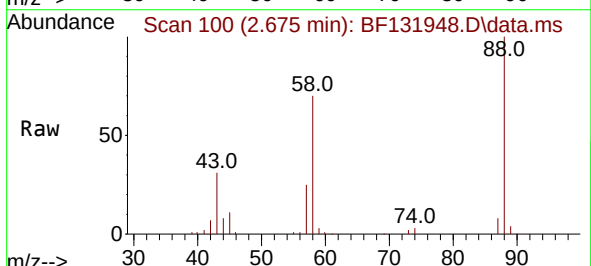
Manual Integrations
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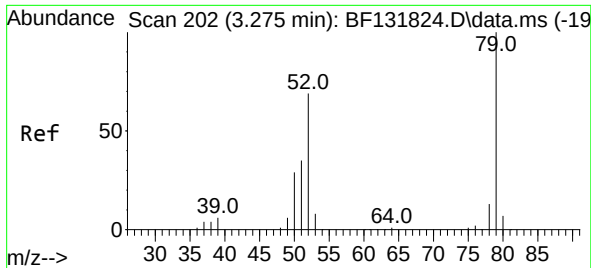
Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#2
 1,4-Dioxane
 Concen: 45.488 ng
 RT: 2.675 min Scan# 100
 Delta R.T. 0.212 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

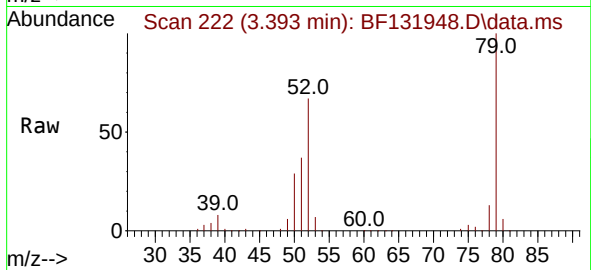
Tgt Ion: 88 Resp: 80418
 Ion Ratio Lower Upper
 88 100
 58 74.4 58.2 87.2
 43 0.0 24.2 36.4





#3
Pyridine
Concen: 39.500 ng
RT: 3.393 min Scan# 210
Delta R.T. 0.194 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

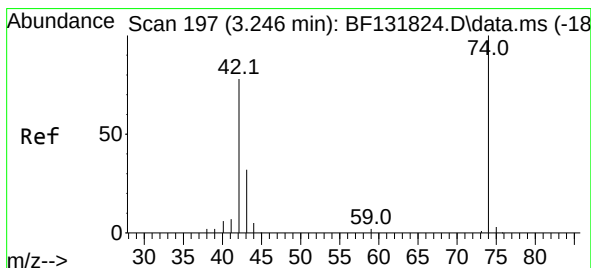
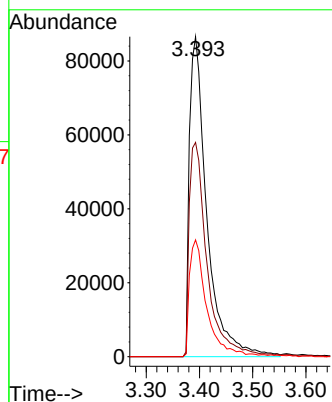
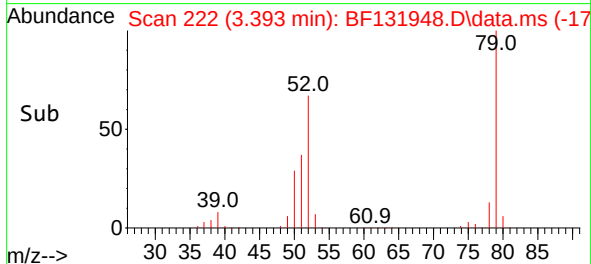
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BNA_F
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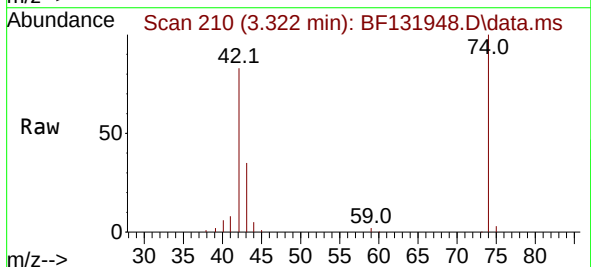
Tgt Ion: 79 Resp: 196319
Ion Ratio Lower Upper
79 100
52 67.0 55.4 83.2
51 36.5 27.8 41.8

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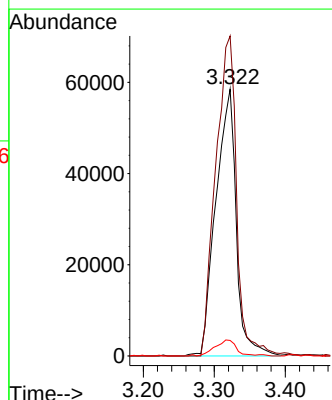
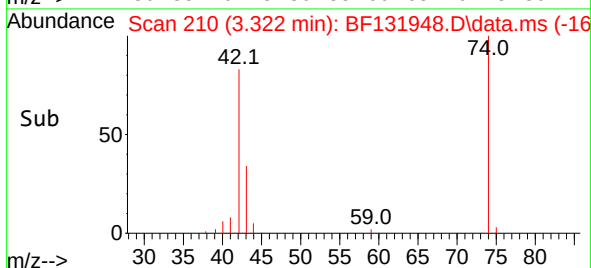
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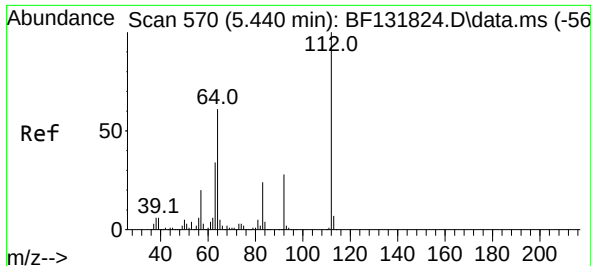


#4
n-Nitrosodimethylamine
Concen: 49.930 ng
RT: 3.322 min Scan# 210
Delta R.T. 0.159 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



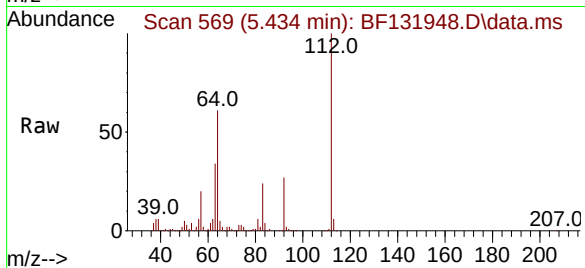
Tgt Ion: 42 Resp: 116682
Ion Ratio Lower Upper
42 100
74 119.9 102.0 153.0
44 5.9 4.6 7.0





#5
2-Fluorophenol
Concen: 145.814 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.035 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

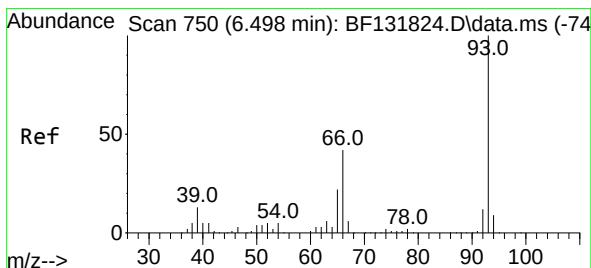
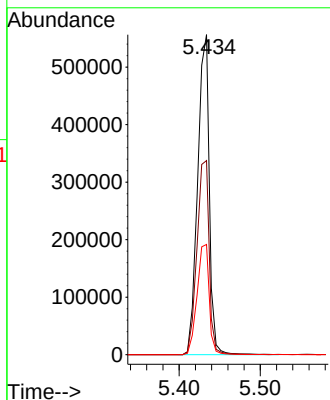
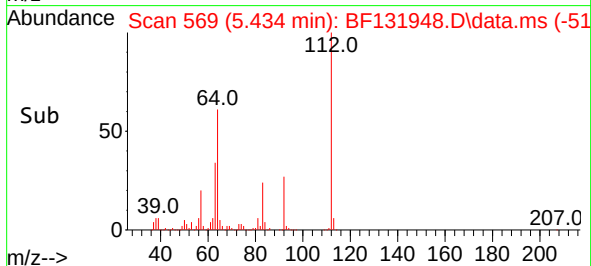
Instrument :
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Tgt Ion:112 Resp: 555902
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 34.4 27.5 41.3

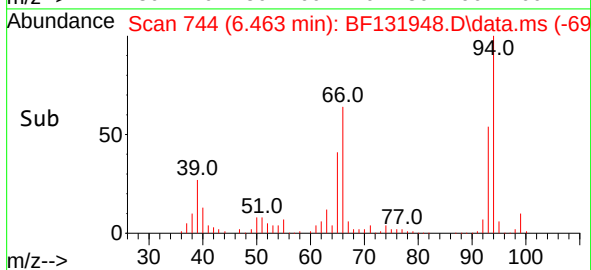
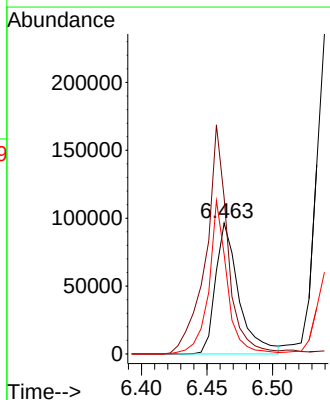
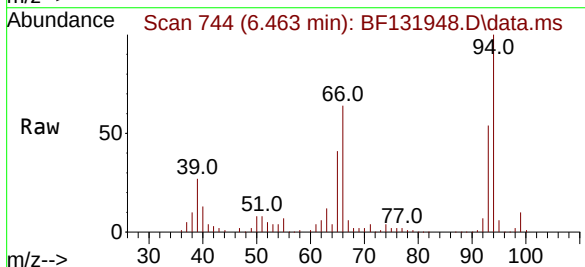
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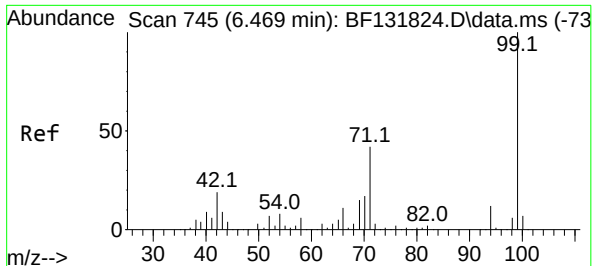
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#6
Aniline
Concen: 19.610 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion: 93 Resp: 119123
Ion Ratio Lower Upper
93 100
66 119.5 33.9 50.9#
65 76.2 17.4 26.0#





#7

Phenol-d6

Concen: 132.889 ng

RT: 6.445 min Scan# 745

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

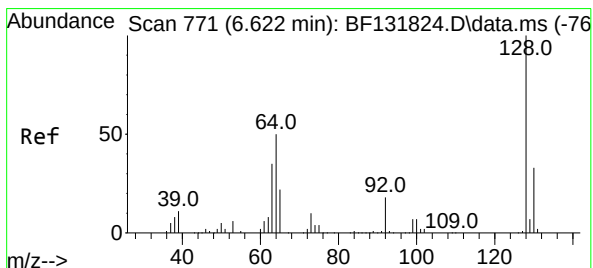
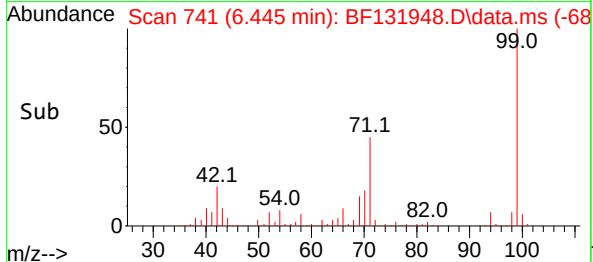
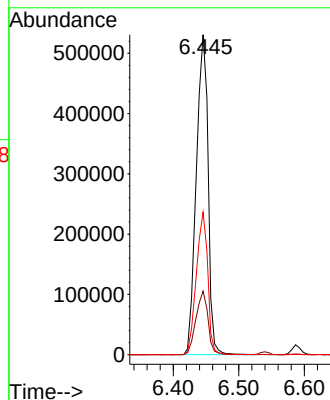
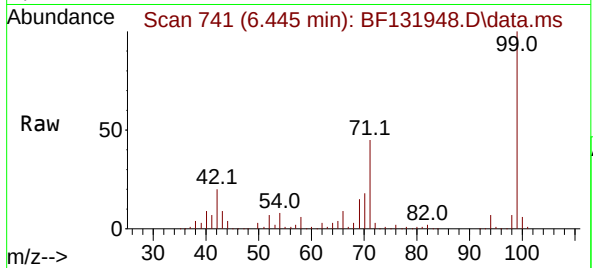
COMP-1-1-4-2023MSD

Tgt Ion: 99 Resp: 665614
 Ion Ratio Lower Upper
 99 100
 42 19.9 15.3 22.9
 71 44.5 33.5 50.3

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#8

2-Chlorophenol

Concen: 49.697 ng

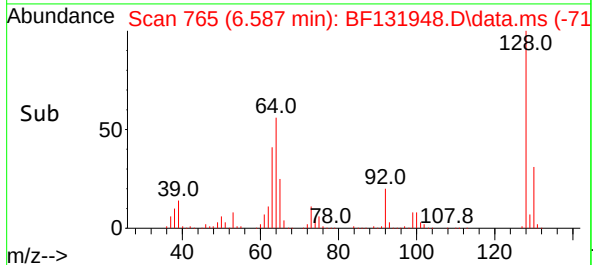
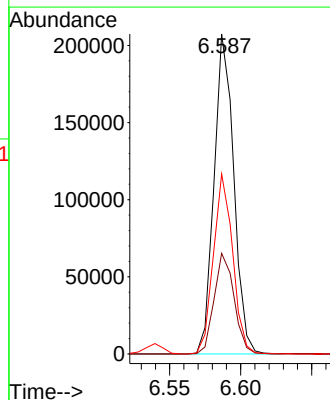
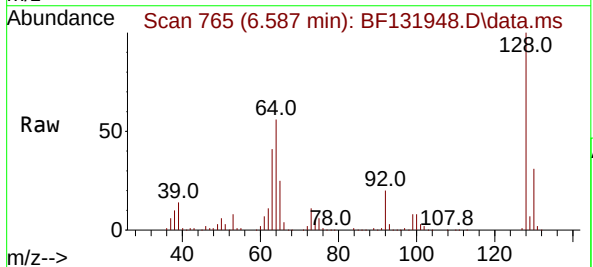
RT: 6.587 min Scan# 765

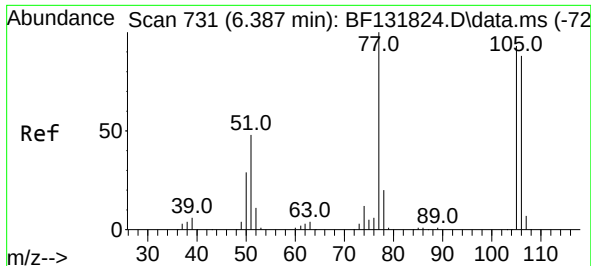
Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Tgt Ion:128 Resp: 199613
 Ion Ratio Lower Upper
 128 100
 130 31.4 12.6 52.6
 64 56.3 30.7 70.7





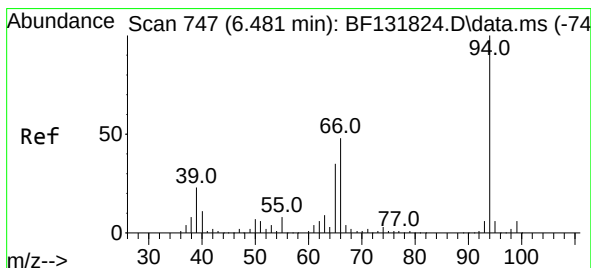
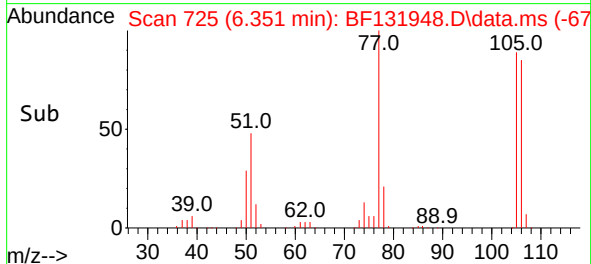
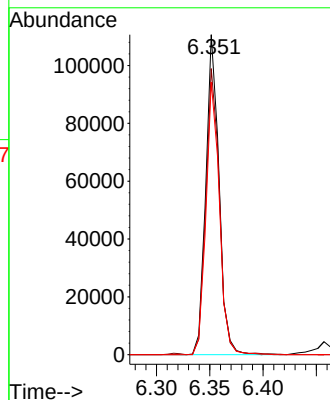
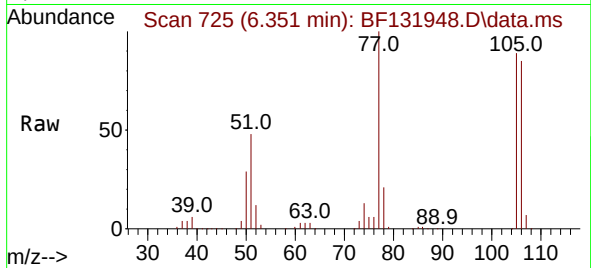
#9
Benzaldehyde
Concen: 29.731 ng
RT: 6.351 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD

Tgt Ion: 77 Resp: 9555
Ion Ratio Lower Upper
77 100
105 89.4 72.9 112.9
106 85.2 68.5 108.5

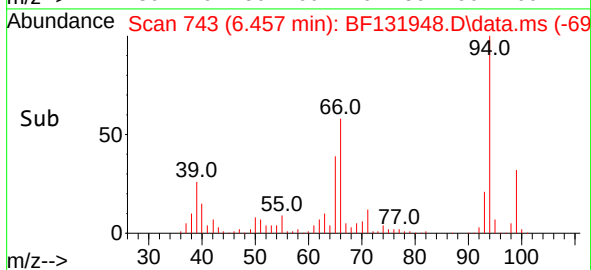
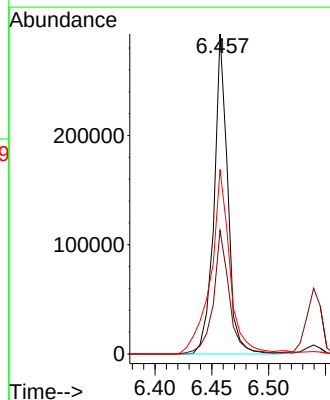
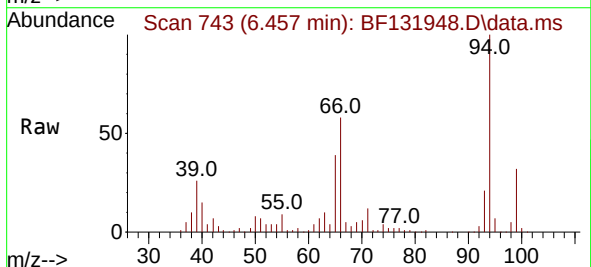
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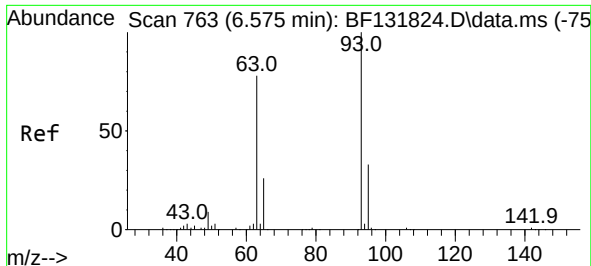
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#10
Phenol
Concen: 40.883 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

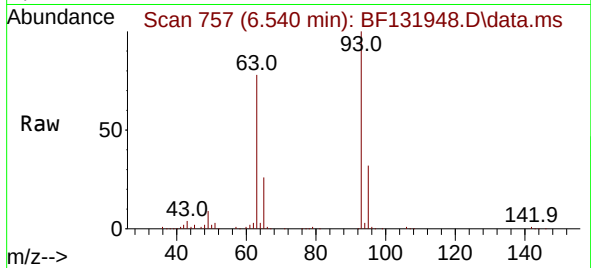
Tgt Ion: 94 Resp: 243855
Ion Ratio Lower Upper
94 100
65 38.6 14.6 54.6
66 57.6 28.2 68.2





#11
bis(2-Chloroethyl)ether
Concen: 51.369 ng
RT: 6.540 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

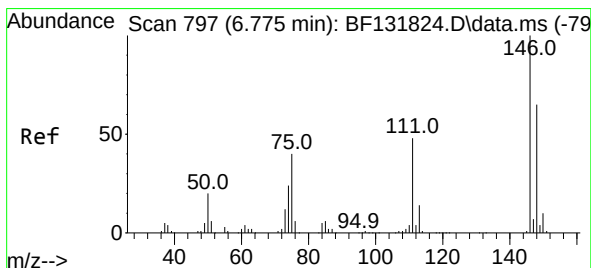
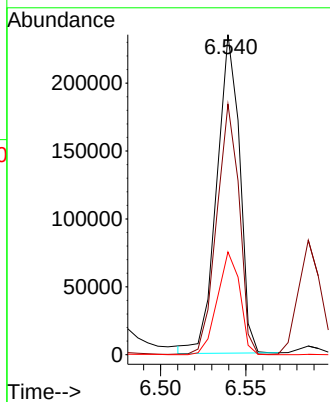
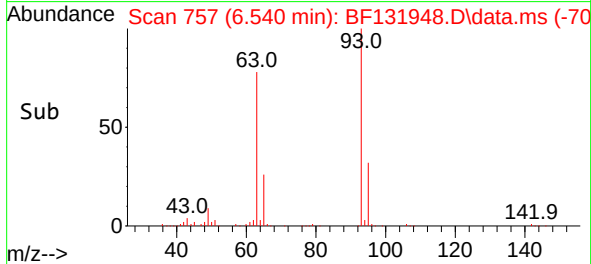
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion: 93 Resp: 21911
Ion Ratio Lower Upper
93 100
63 78.3 57.6 97.6
95 32.1 12.7 52.7

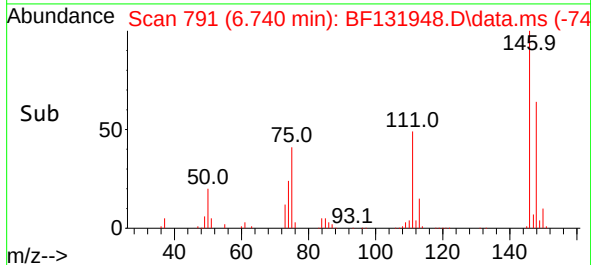
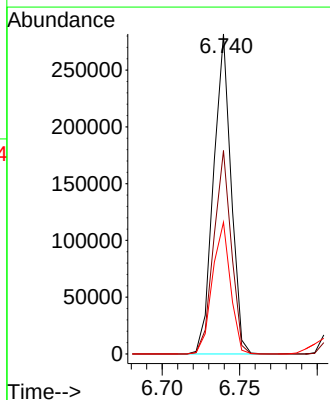
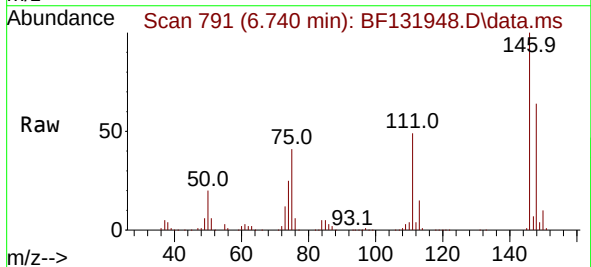
Manual Integrations
APPROVED

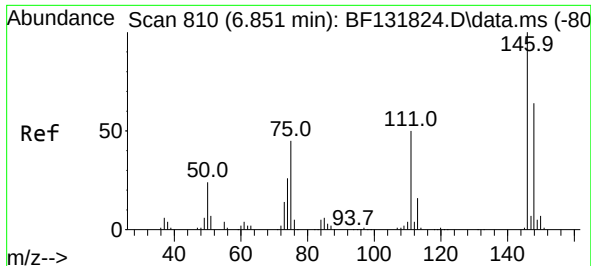
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#12
1,3-Dichlorobenzene
Concen: 48.308 ng
RT: 6.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion:146 Resp: 221737
Ion Ratio Lower Upper
146 100
148 63.6 51.8 77.6
75 41.2 32.2 48.4





#13

1,4-Dichlorobenzene

Concen: 48.385 ng

RT: 6.816 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:146 Resp: 22382

Ion Ratio Lower Upper

146 100

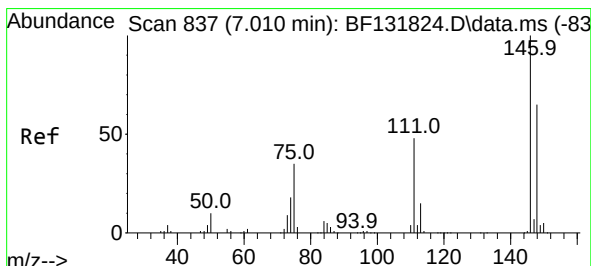
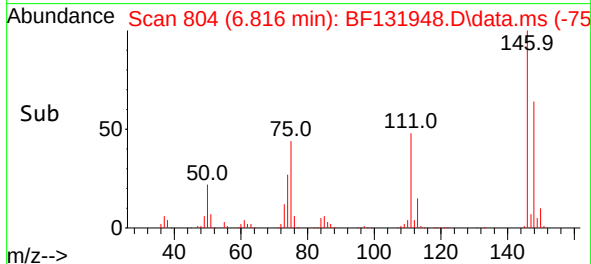
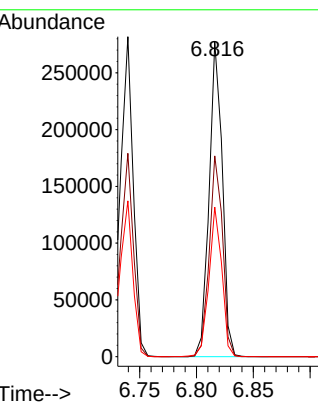
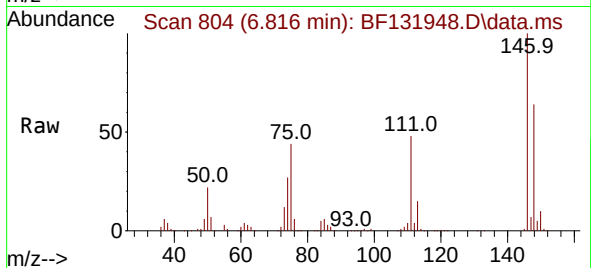
148 63.8 51.3 76.9

111 47.6 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#14

1,2-Dichlorobenzene

Concen: 49.763 ng

RT: 6.969 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

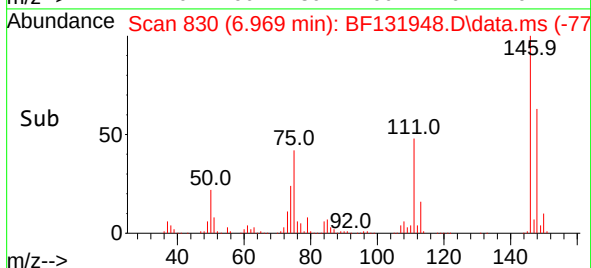
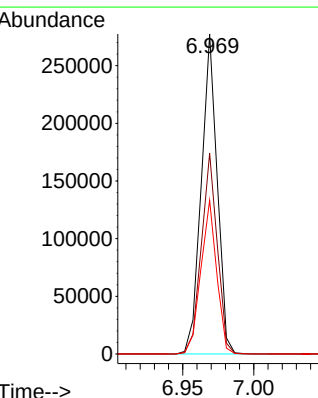
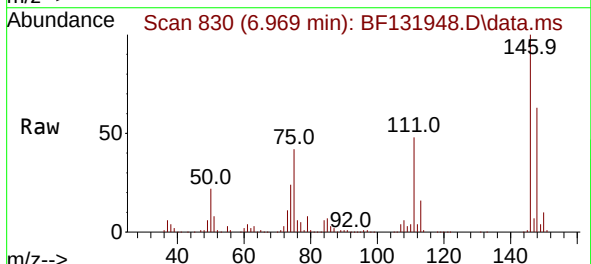
Tgt Ion:146 Resp: 216299

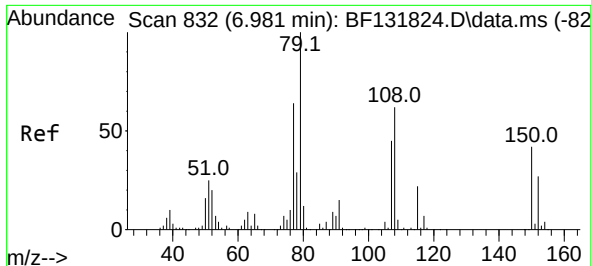
Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.4

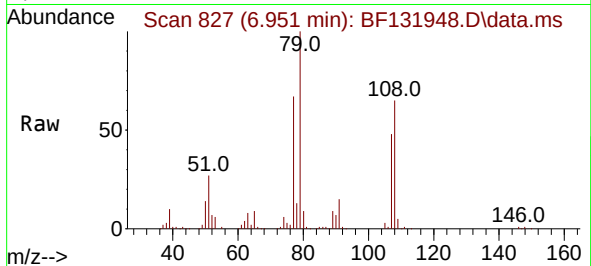
111 48.0 38.2 57.4





#15
Benzyl Alcohol
Concen: 50.647 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

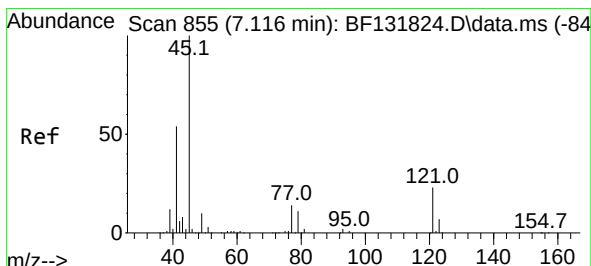
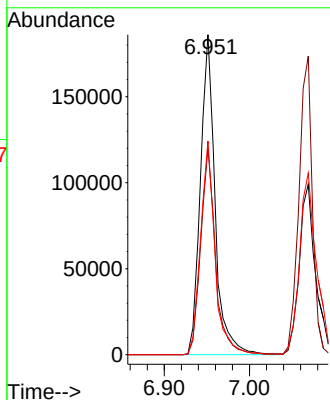
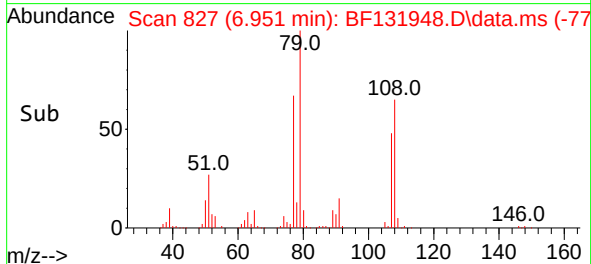
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion: 79 Resp: 222462
Ion Ratio Lower Upper
79 100
108 64.7 49.8 74.8
77 66.8 51.4 77.0

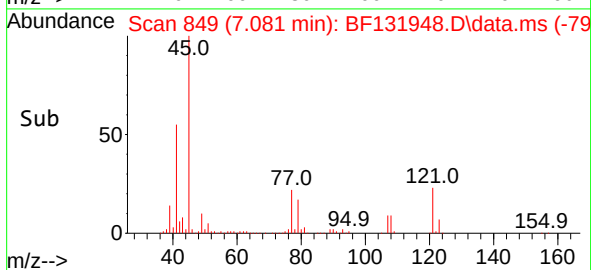
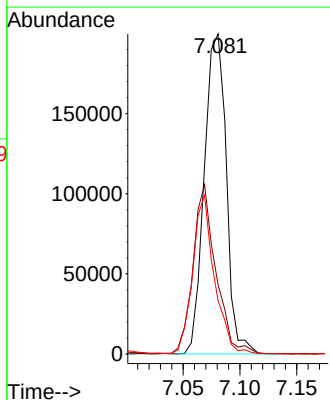
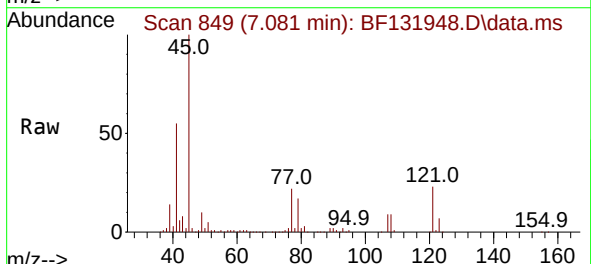
Manual Integrations
APPROVED

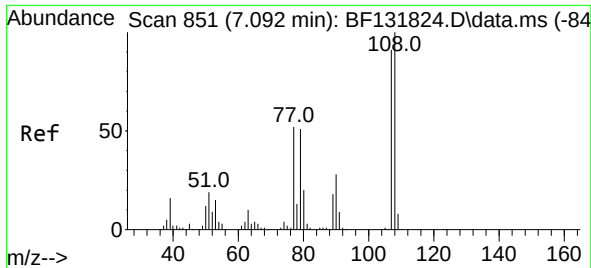
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.535 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

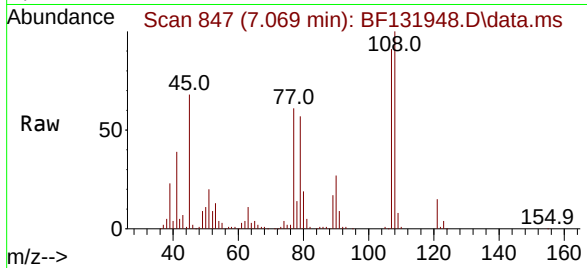
Tgt Ion: 45 Resp: 269634
Ion Ratio Lower Upper
45 100
77 21.7 0.0 36.1
79 16.7 0.0 33.3





#17
2-Methylphenol
Concen: 47.809 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

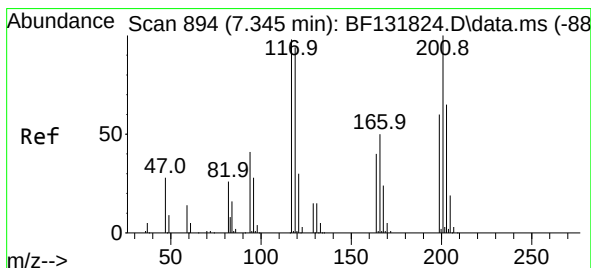
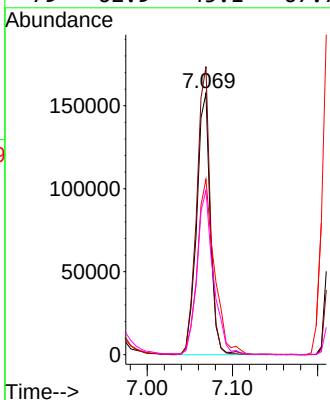
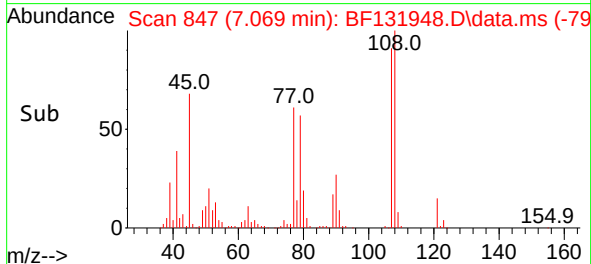
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:107 Resp: 175552
Ion Ratio Lower Upper
107 100
108 110.2 87.6 131.4
77 67.1 45.8 68.8
79 62.9 45.1 67.7

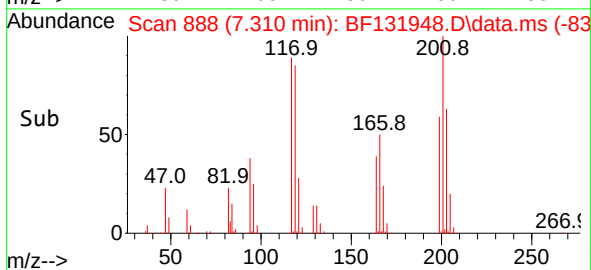
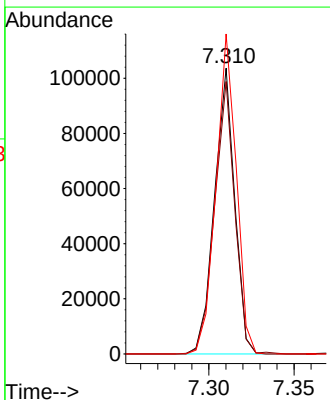
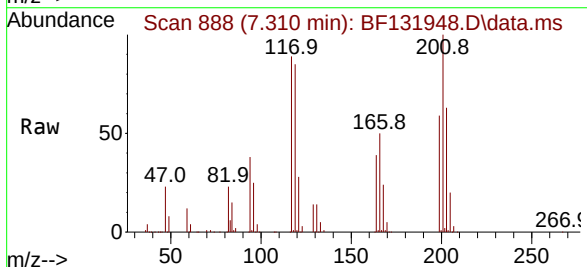
Manual Integrations
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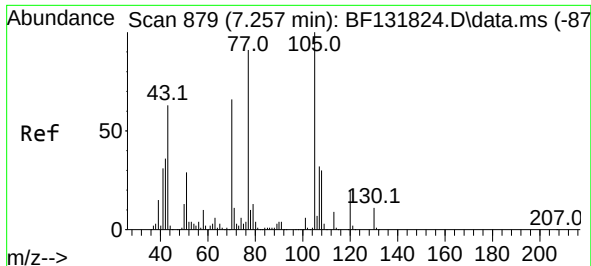
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#18
Hexachloroethane
Concen: 45.826 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

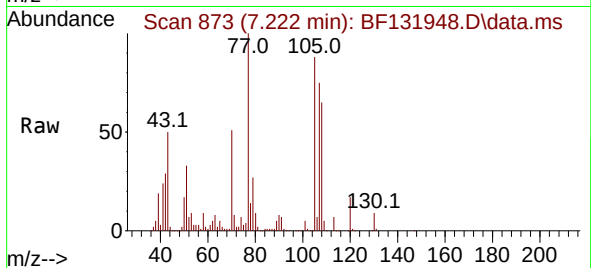
Tgt Ion:117 Resp: 85599
Ion Ratio Lower Upper
117 100
119 95.3 76.5 114.7
201 112.0 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 49.487 ng
RT: 7.222 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

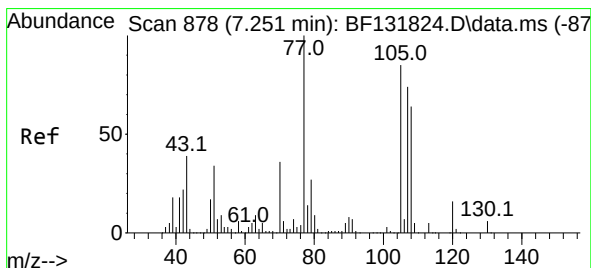
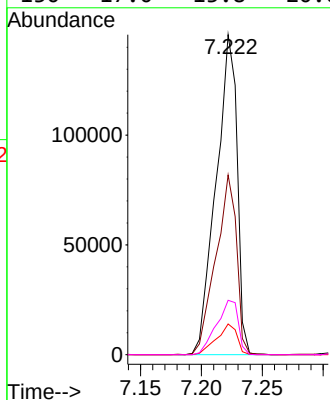
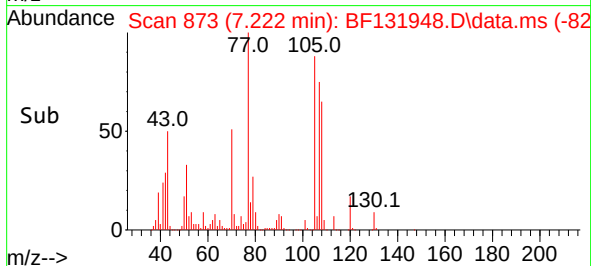
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion: 70 Resp: 17505
Ion Ratio Lower Upper
70 100
42 56.1 43.8 65.6
101 9.6 7.4 11.0
130 17.0 13.8 20.6

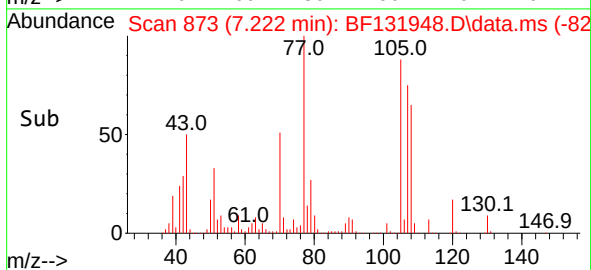
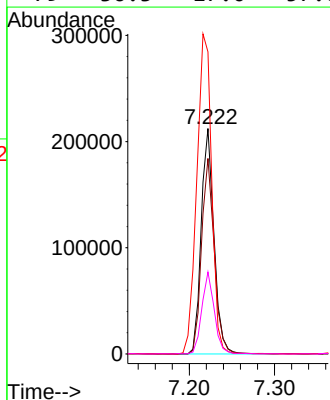
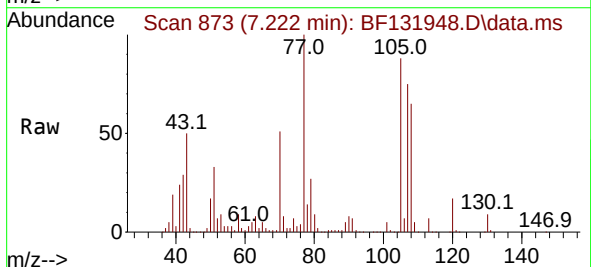
Manual Integrations
APPROVED

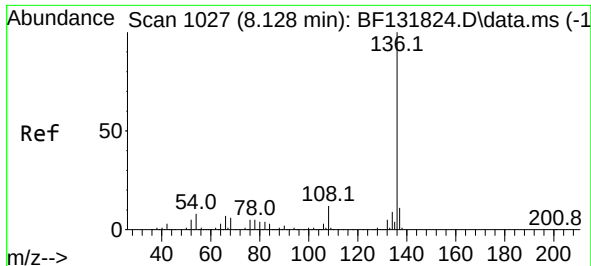
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#20
3+4-Methylphenols
Concen: 46.194 ng
RT: 7.222 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

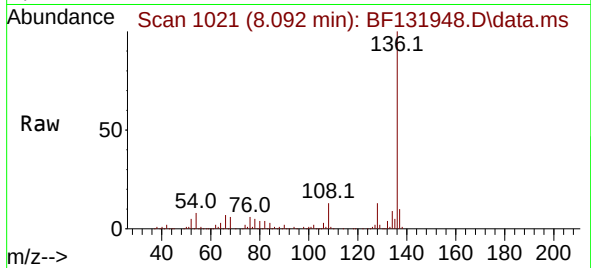
Tgt Ion:107 Resp: 221320
Ion Ratio Lower Upper
107 100
108 86.7 67.1 107.1
77 134.0 114.9 154.9
79 36.3 17.0 57.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

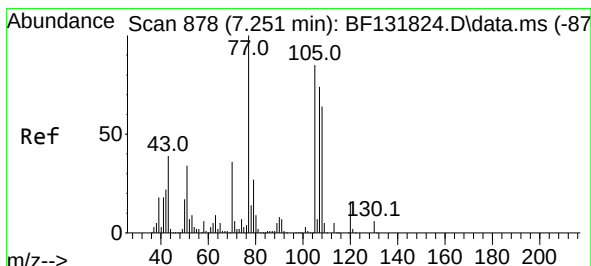
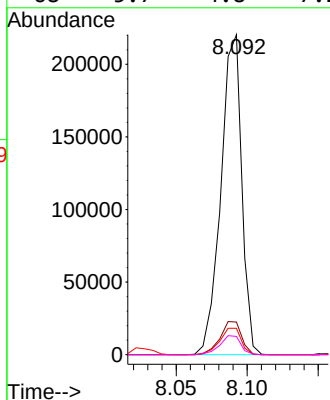
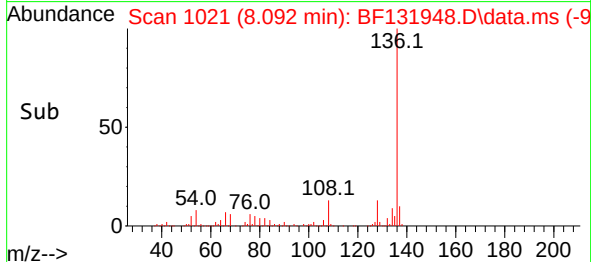
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:136 Resp: 225054
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 8.2 6.7 10.1
68 5.7 4.8 7.2

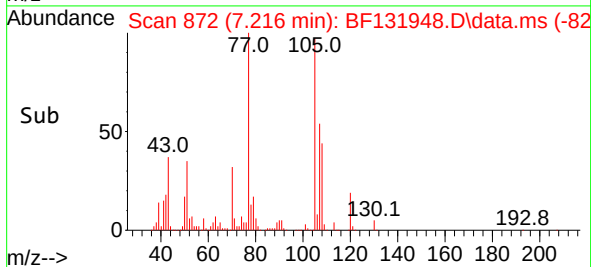
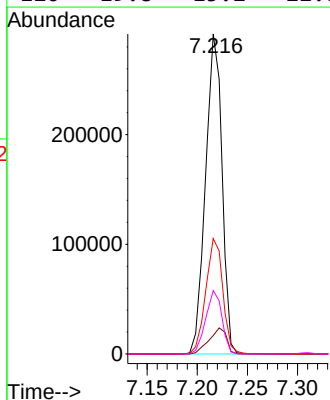
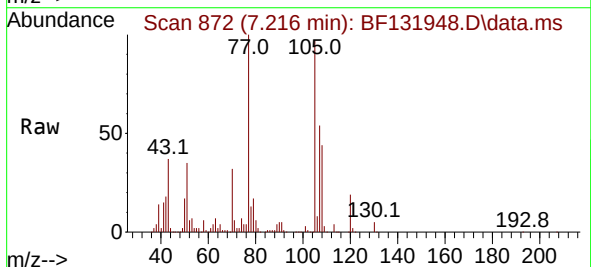
Manual Integrations
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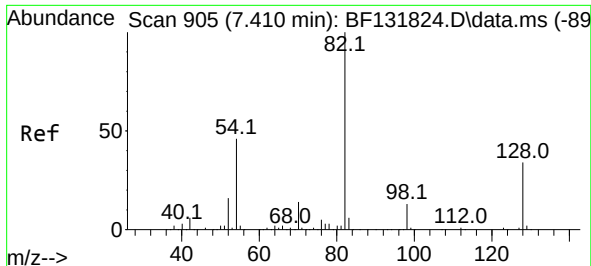
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#22
Acetophenone
Concen: 50.669 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

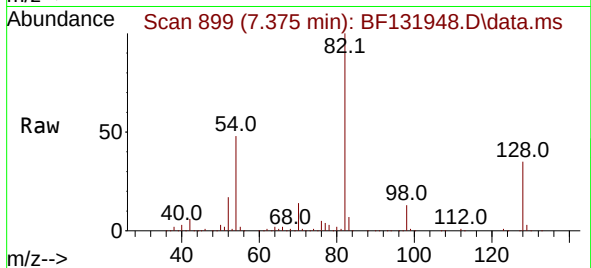
Tgt Ion:105 Resp: 334310
Ion Ratio Lower Upper
105 100
71 5.8 5.4 8.0
51 36.1 31.9 47.9
120 19.8 15.2 22.8





#23
Nitrobenzene-d5
Concen: 94.863 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

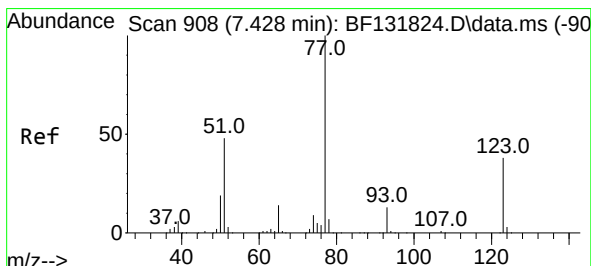
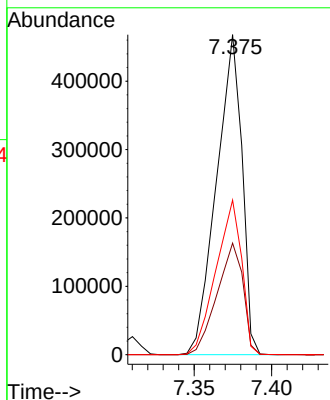
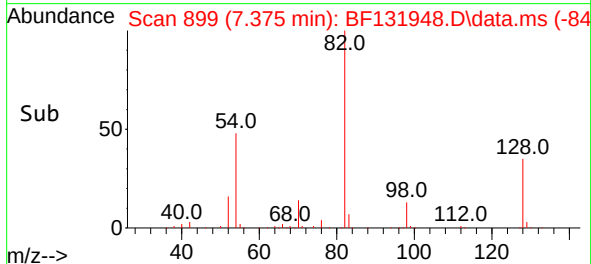
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion: 82 Resp: 534729
Ion Ratio Lower Upper
82 100
128 34.8 27.1 40.7
54 48.3 37.0 55.6

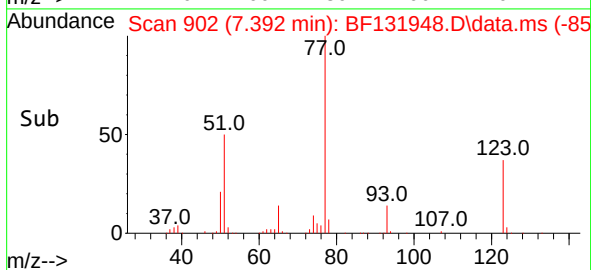
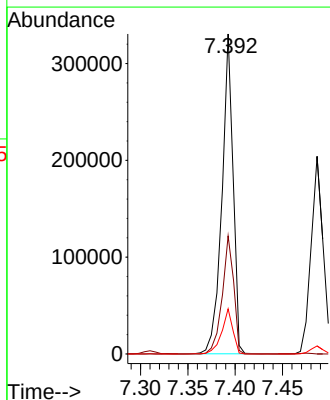
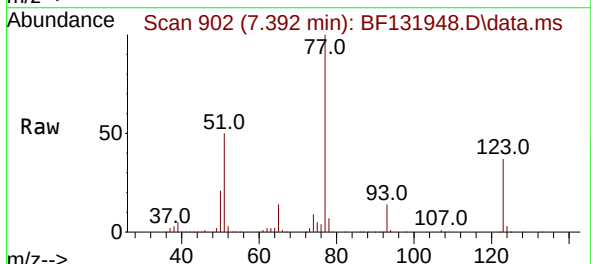
Manual Integrations
APPROVED

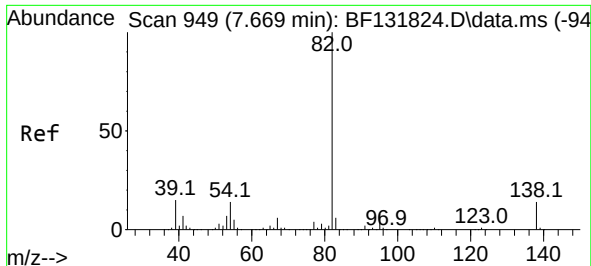
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#24
Nitrobenzene
Concen: 48.219 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

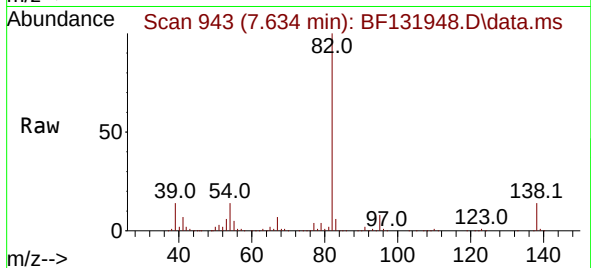
Tgt Ion: 77 Resp: 272393
Ion Ratio Lower Upper
77 100
123 36.9 30.4 45.6
65 14.1 11.1 16.7





#25
Isophorone
Concen: 51.121 ng
RT: 7.634 min Scan# 949
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

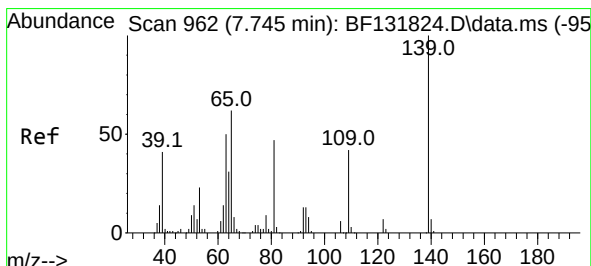
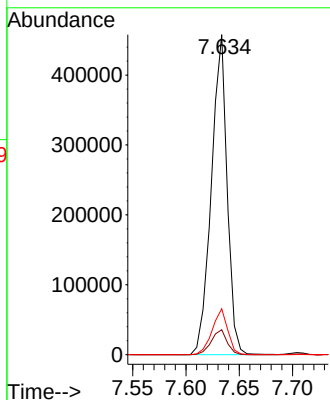
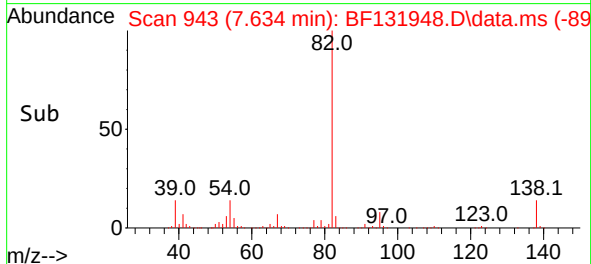
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion: 82 Resp: 470593
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.4
138 14.4 11.5 17.3

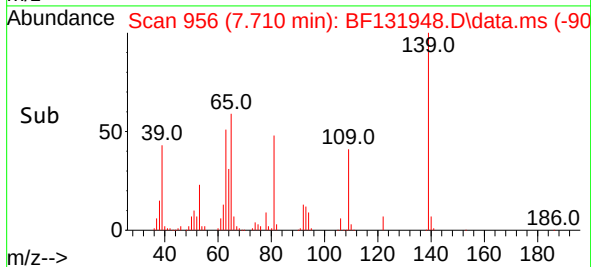
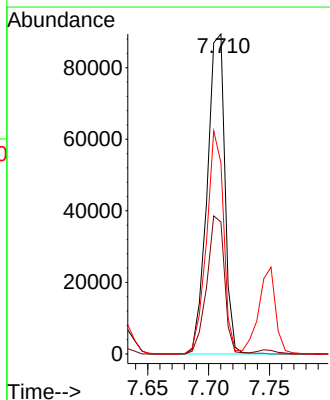
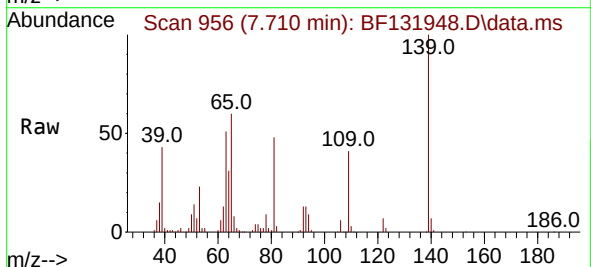
Manual Integrations
APPROVED

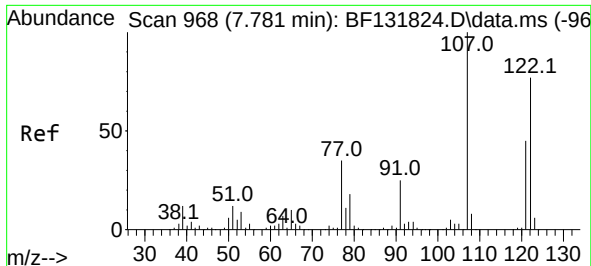
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#26
2-Nitrophenol
Concen: 41.122 ng
RT: 7.710 min Scan# 956
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion:139 Resp: 90321
Ion Ratio Lower Upper
139 100
109 41.2 33.7 50.5
65 59.8 49.4 74.2





#27

2,4-Dimethylphenol

Concen: 55.895 ng

RT: 7.751 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:122 Resp: 17512

Ion Ratio Lower Upper

122 100

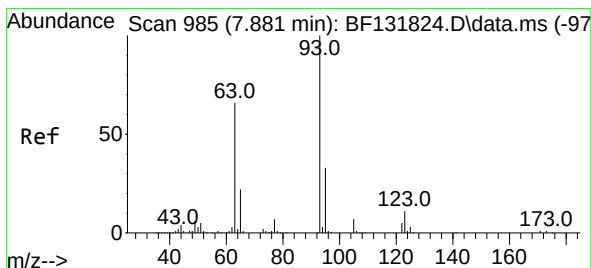
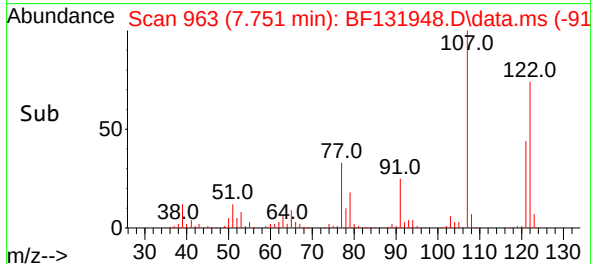
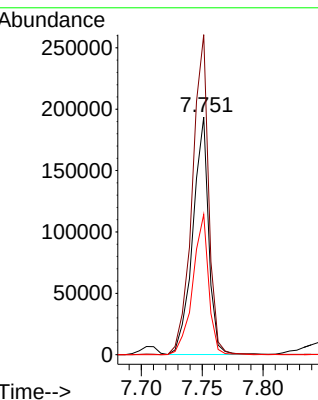
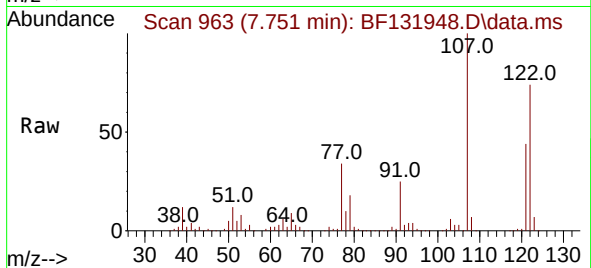
107 134.6 104.4 156.6

121 58.9 46.8 70.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#28

bis(2-Chloroethoxy)methane

Concen: 53.276 ng

RT: 7.845 min Scan# 979

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

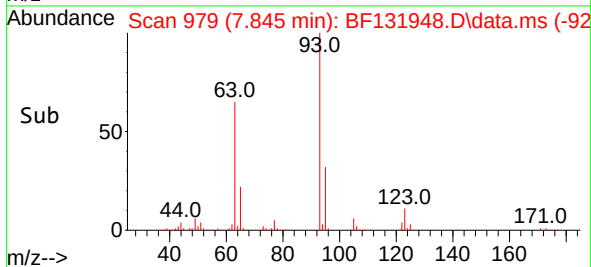
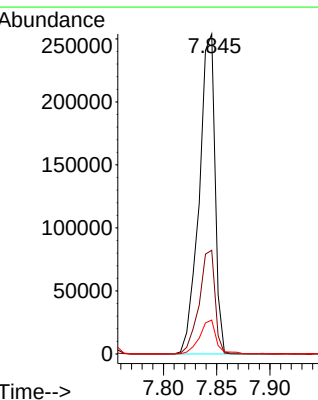
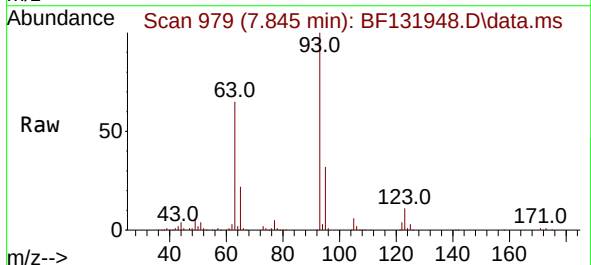
Tgt Ion: 93 Resp: 263105

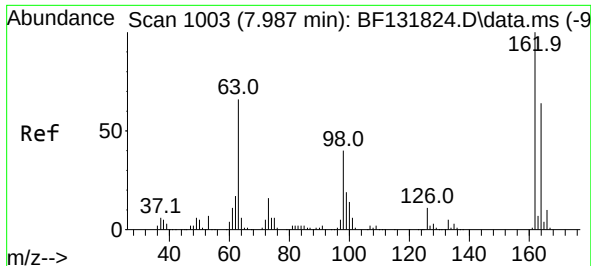
Ion Ratio Lower Upper

93 100

95 32.4 26.3 39.5

123 10.6 8.7 13.1





#29

2,4-Dichlorophenol

Concen: 46.236 ng

RT: 7.951 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

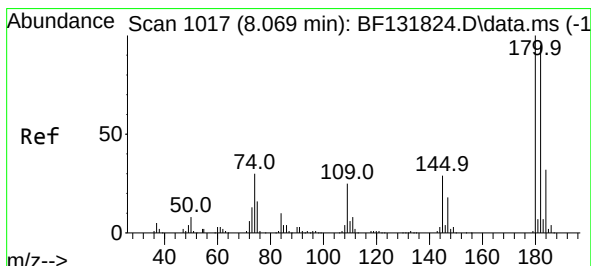
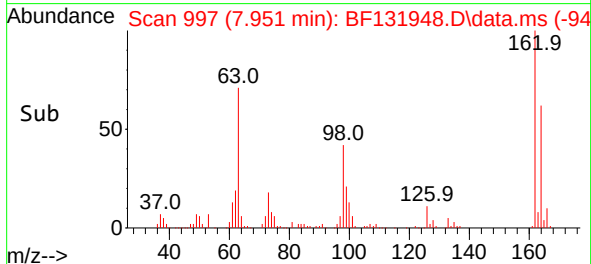
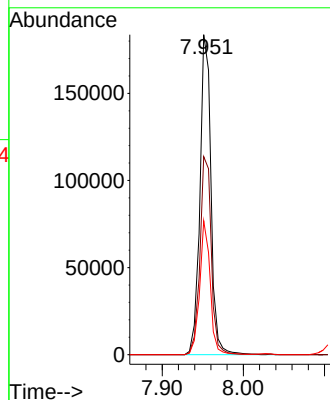
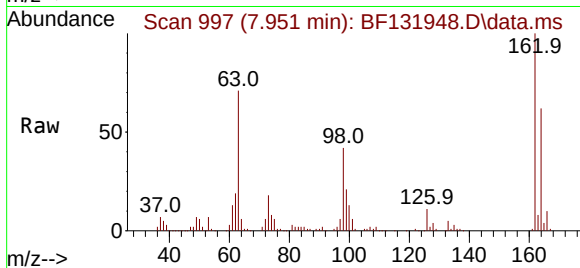
Tgt Ion:162 Resp: 174524

Ion	Ratio	Lower	Upper
162	100		
164	61.9	44.1	84.1
98	41.8	19.9	59.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.804 ng

RT: 8.028 min Scan# 1010

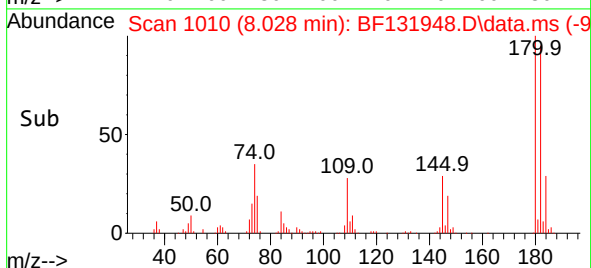
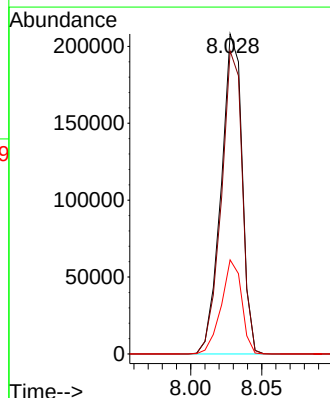
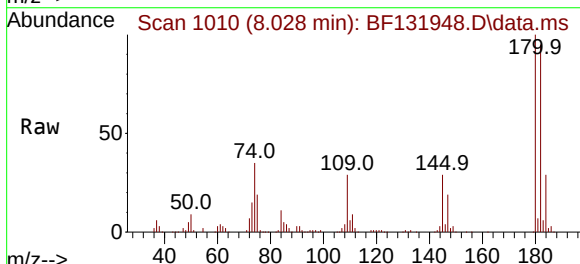
Delta R.T. 0.000 min

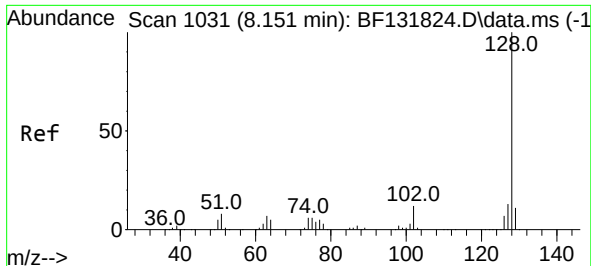
Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Tgt Ion:180 Resp: 213939

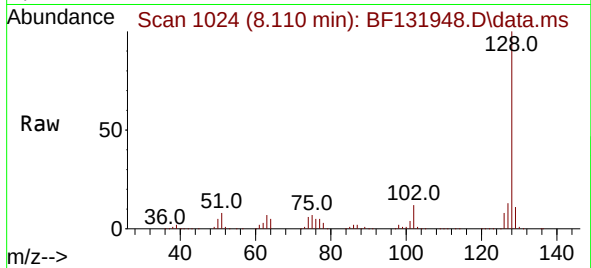
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	29.4	23.3	34.9





#31
Naphthalene
Concen: 46.410 ng
RT: 8.110 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

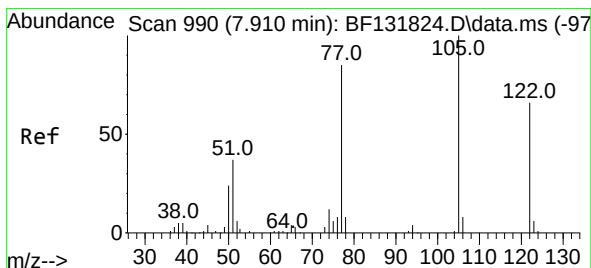
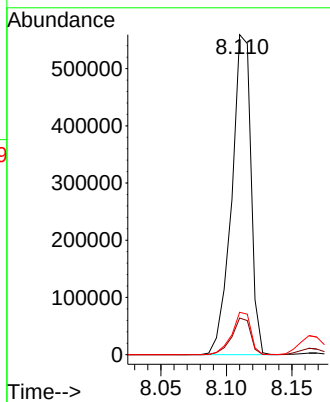
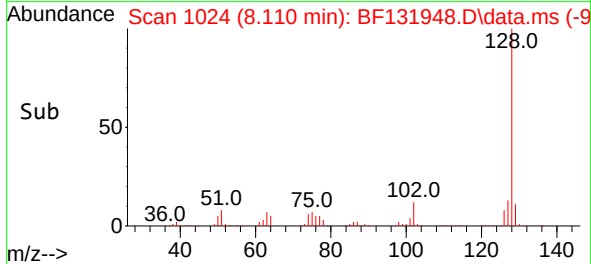
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:128 Resp: 572015
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 13.3 10.6 15.8

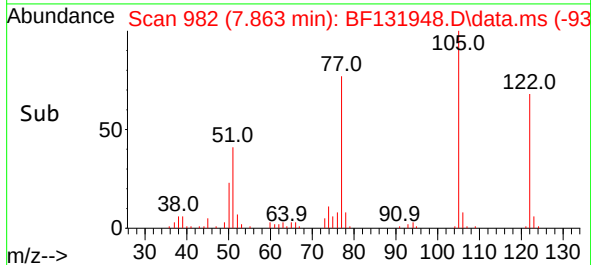
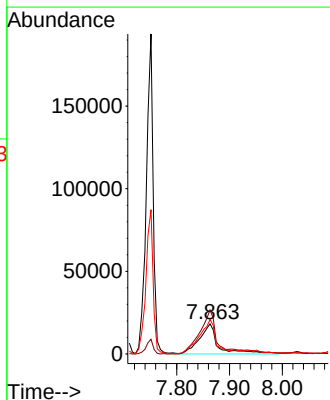
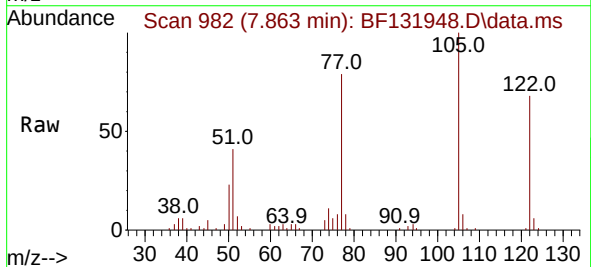
Manual Integrations
APPROVED

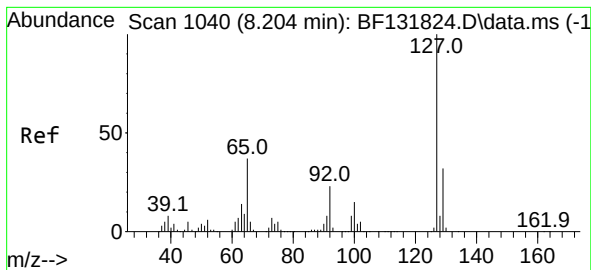
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#32
Benzoic acid
Concen: 19.690 ng m
RT: 7.863 min Scan# 982
Delta R.T. -0.018 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion:122 Resp: 45088
Ion Ratio Lower Upper
122 100
105 146.3 127.9 167.9
77 115.2 106.9 146.9





#33

4-Chloroaniline

Concen: 10.943 ng

RT: 8.163 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

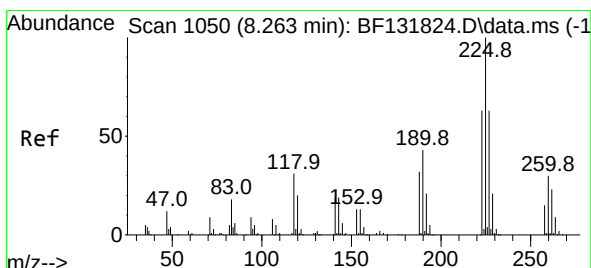
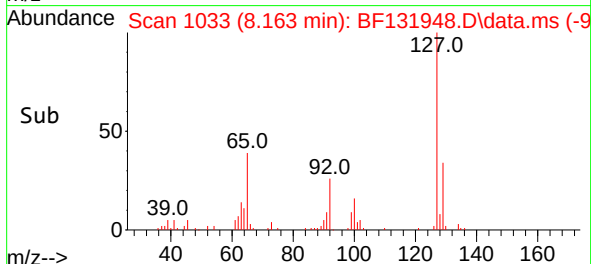
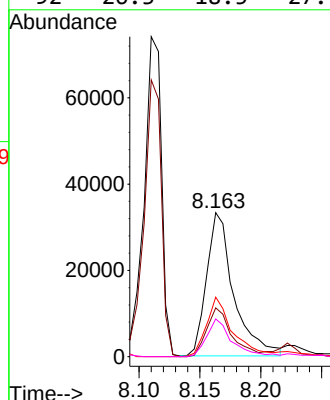
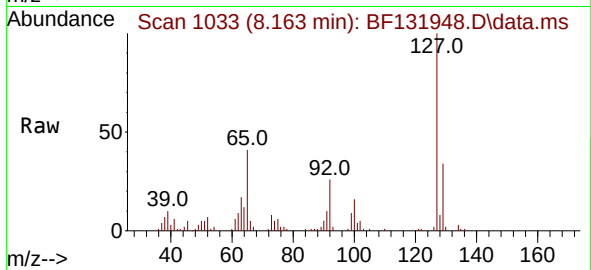
COMP-1-1-4-2023MSD

Tgt Ion:	127	Resp:	51750
Ion Ratio	Lower	Upper	
127	100		
129	34.0	25.8	38.8
65	41.4	29.7	44.5
92	26.3	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#34

Hexachlorobutadiene

Concen: 45.694 ng

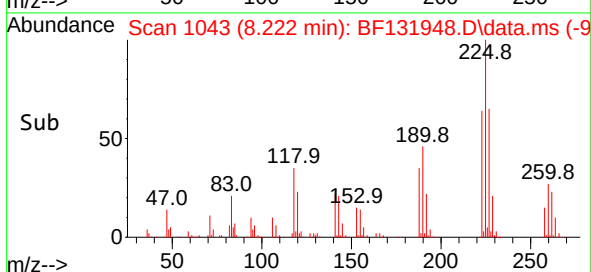
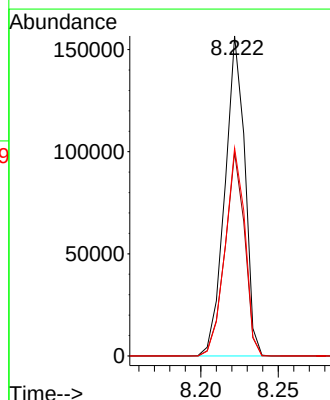
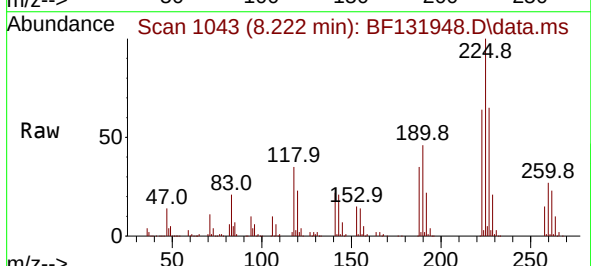
RT: 8.222 min Scan# 1043

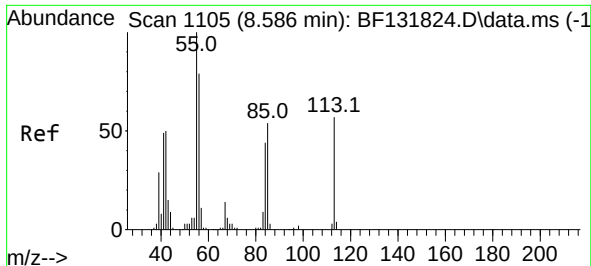
Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

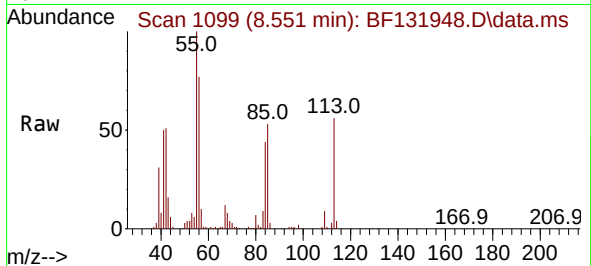
Tgt Ion:	225	Resp:	139907
Ion Ratio	Lower	Upper	
225	100		
223	63.6	50.0	75.0
227	65.0	50.8	76.2





#35
 Caprolactam
 Concen: 33.768 ng
 RT: 8.551 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

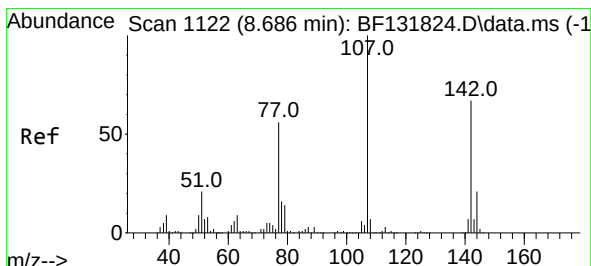
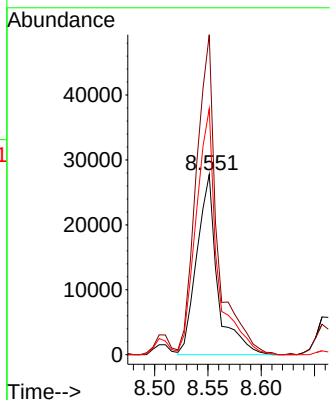
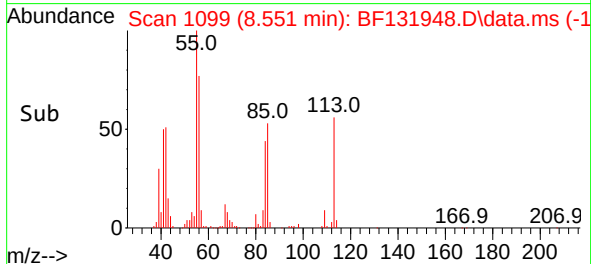
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-1-4-2023MSD



Tgt Ion:113 Resp: 37738
 Ion Ratio Lower Upper
 113 100
 55 177.7 153.3 193.3
 56 136.6 116.3 156.3

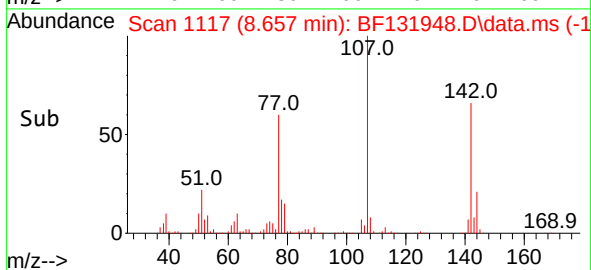
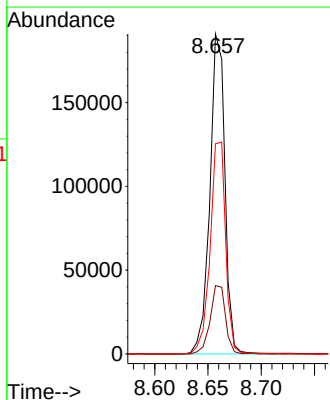
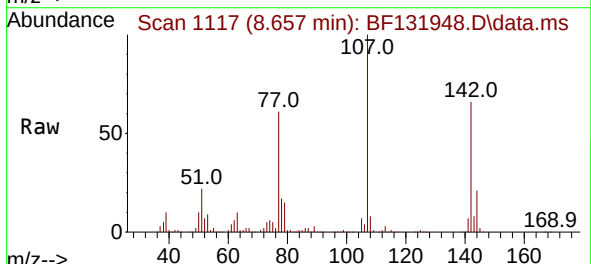
Manual Integrations
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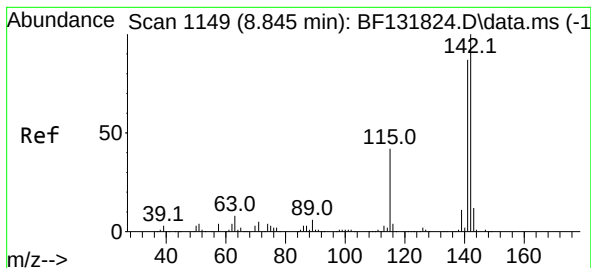
Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#36
 4-Chloro-3-methylphenol
 Concen: 44.108 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

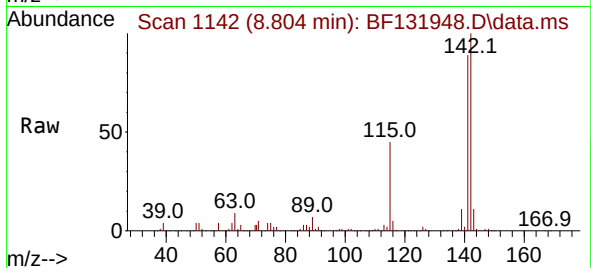
Tgt Ion:107 Resp: 188165
 Ion Ratio Lower Upper
 107 100
 144 21.4 16.8 25.2
 142 65.7 53.8 80.8





#37
2-Methylnaphthalene
Concen: 46.223 ng
RT: 8.804 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

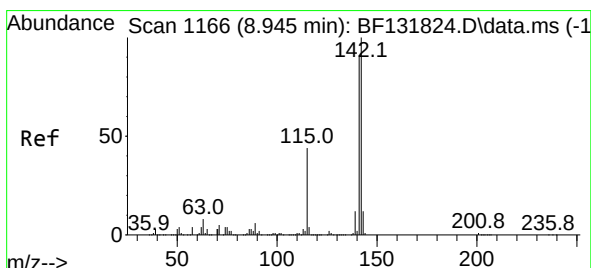
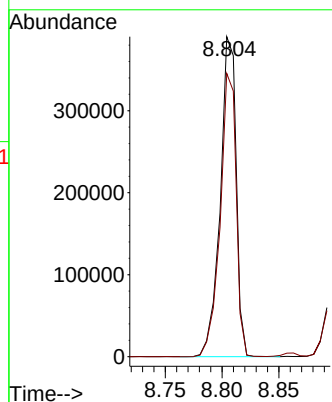
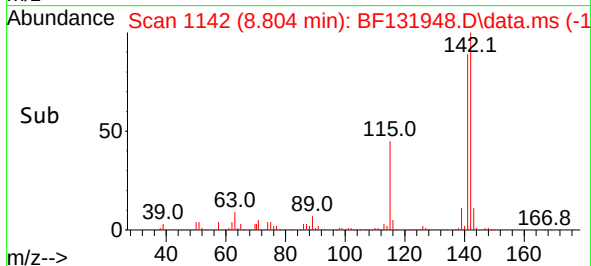
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:142 Resp: 38235
Ion Ratio Lower Upper
142 100
141 88.5 69.8 104.8

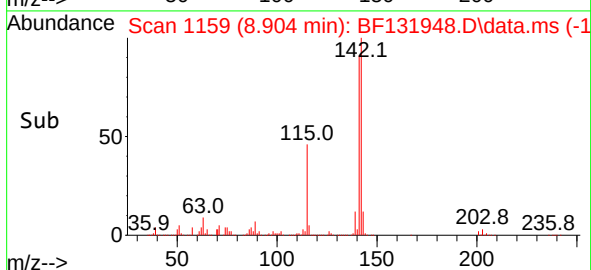
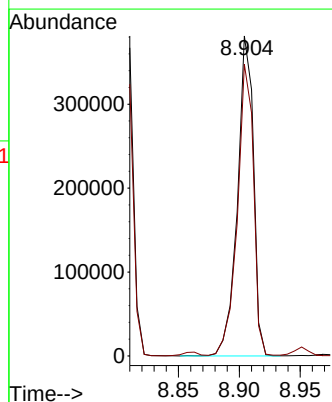
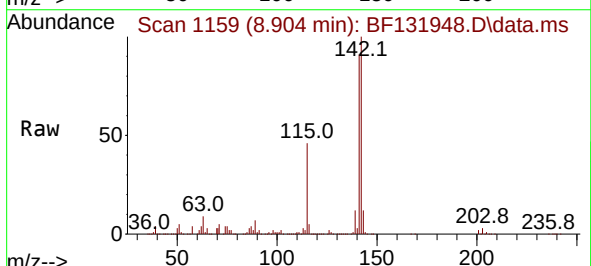
Manual Integrations
APPROVED

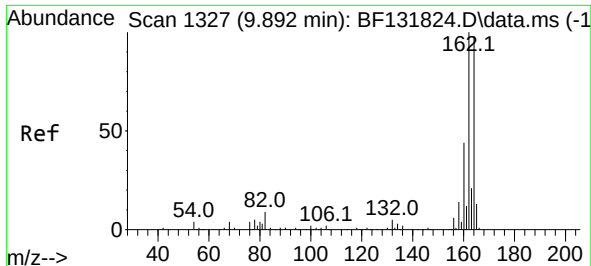
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#38
1-Methylnaphthalene
Concen: 43.655 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

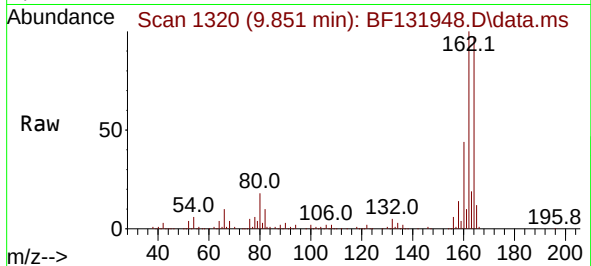
Tgt Ion:142 Resp: 350763
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 114009
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

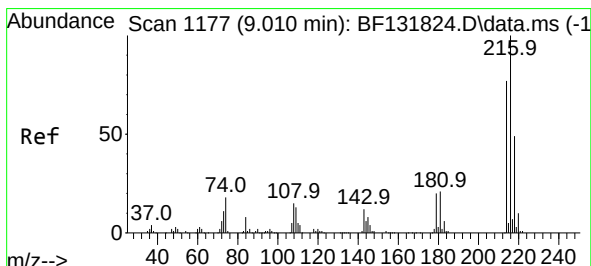
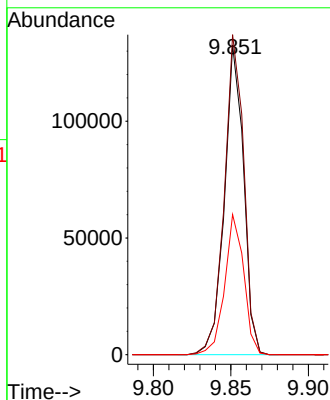
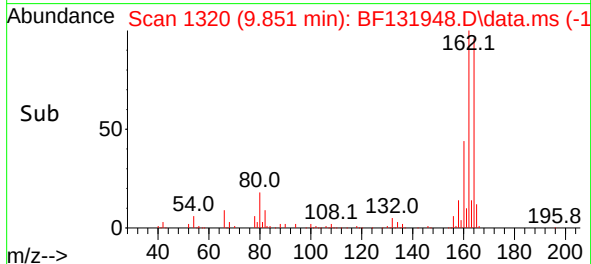
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:164 Resp: 114009
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 45.3 35.7 53.5

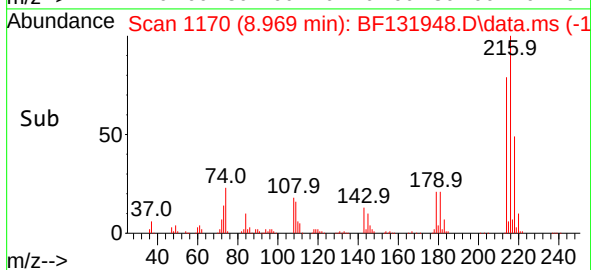
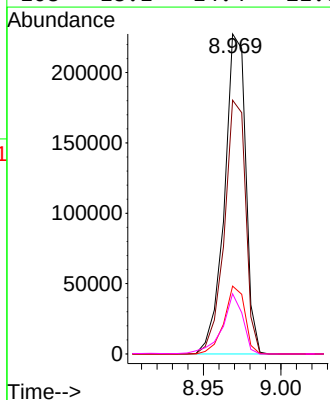
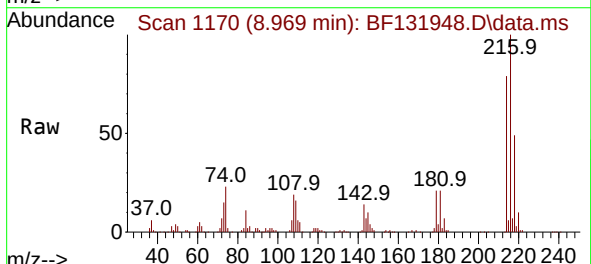
Manual Integrations
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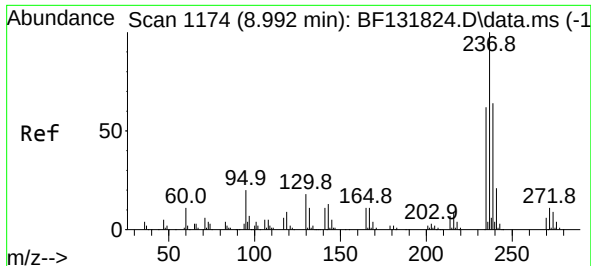
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.182 ng
RT: 8.969 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

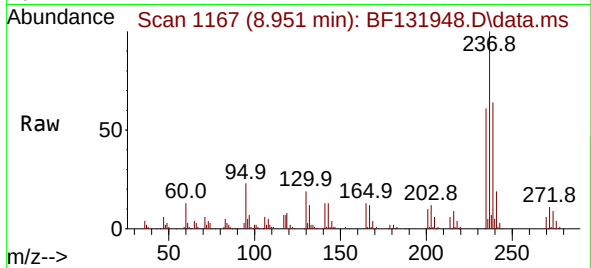
Tgt Ion:216 Resp: 216897
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 20.7 16.4 24.6
108 18.1 14.4 21.6





#41
Hexachlorocyclopentadiene
Concen: 43.438 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

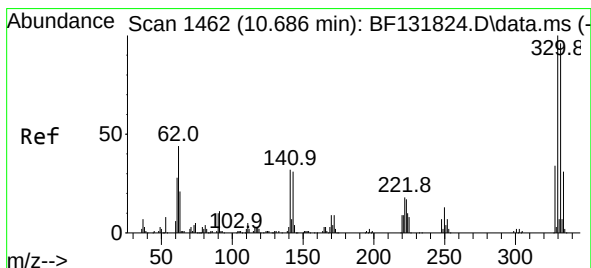
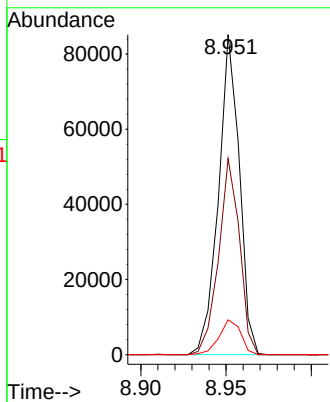
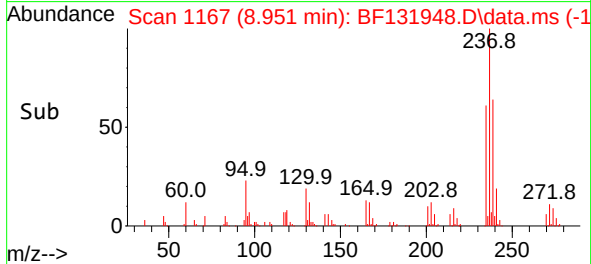
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



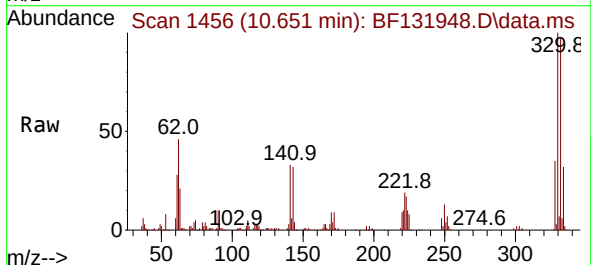
Tgt Ion:237 Resp: 7258
Ion Ratio Lower Upper
237 100
235 61.2 42.3 82.3
272 10.9 0.0 31.4

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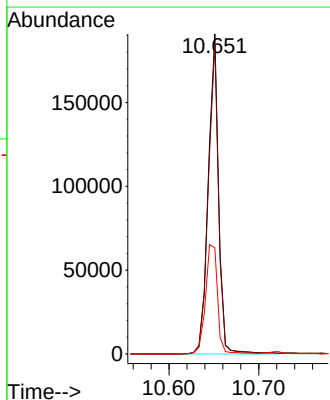
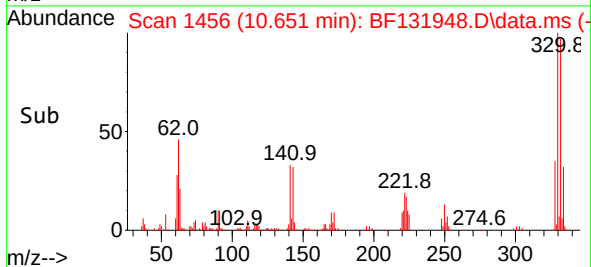
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

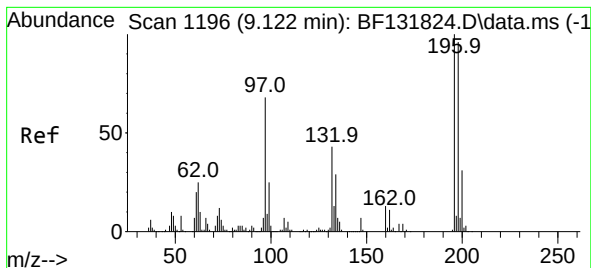


#42
2,4,6-Tribromophenol
Concen: 123.909 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



Tgt Ion:330 Resp: 153488
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 39.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 47.385 ng

RT: 9.092 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:196 Resp: 121490

Ion Ratio Lower Upper

196 100

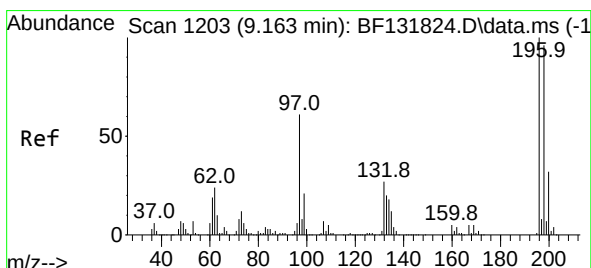
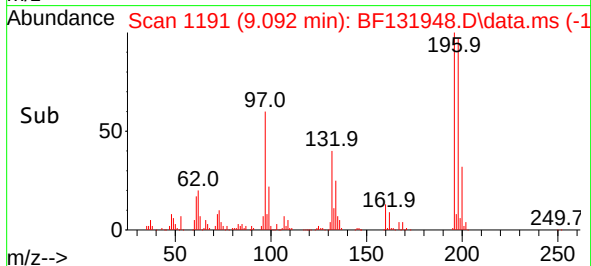
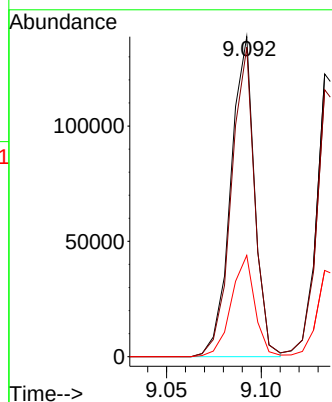
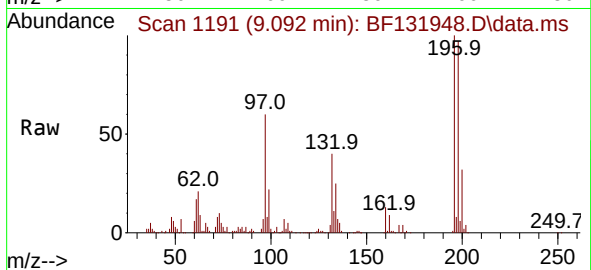
198 96.6 76.5 114.7

200 31.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#44

2,4,5-Trichlorophenol

Concen: 42.301 ng

RT: 9.133 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Tgt Ion:196 Resp: 117236

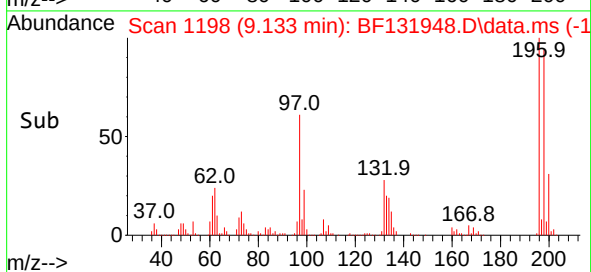
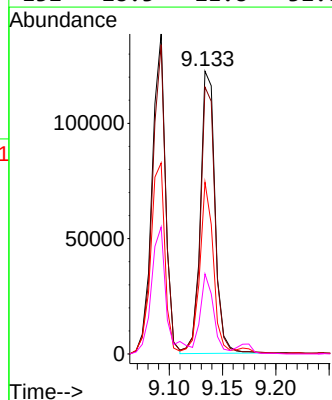
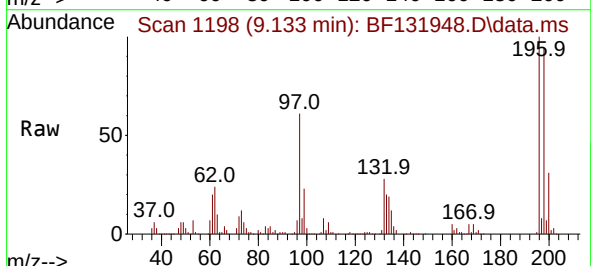
Ion Ratio Lower Upper

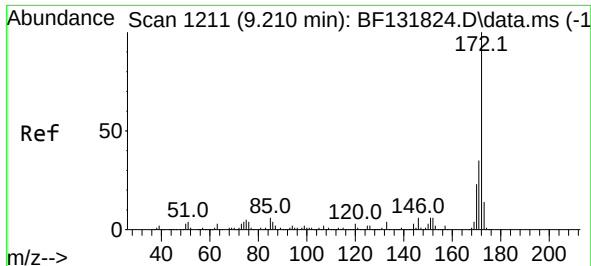
196 100

198 94.4 76.6 115.0

97 60.8 49.3 73.9

132 28.3 21.8 32.8





#45

2-Fluorobiphenyl

Concen: 107.308 ng

RT: 9.175 min Scan# 1205

Delta R.T. 0.006 min

Lab File: BF131948.D

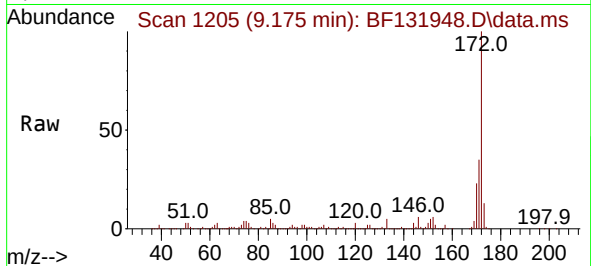
Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

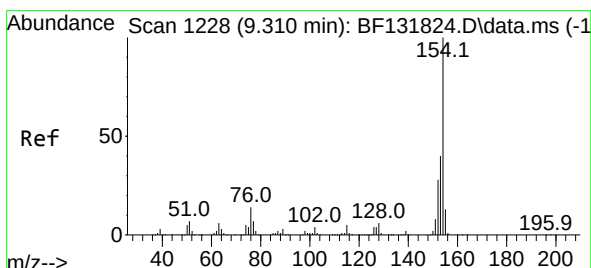
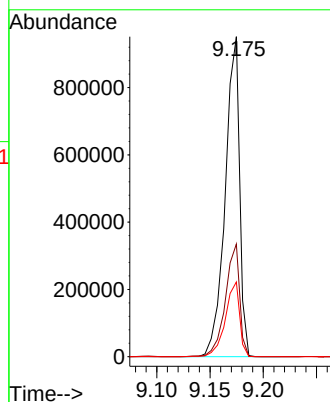
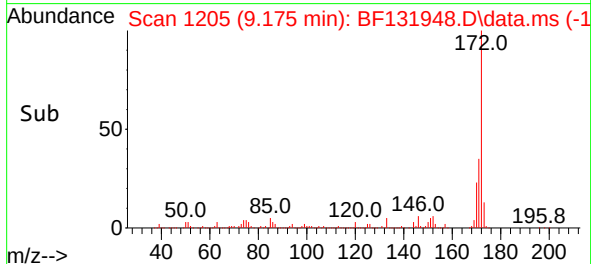


Tgt	Ion:172	Resp:	89317
Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.9	41.9
170	23.3	18.7	28.1

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Supervised By :mohammad ahmed 01/09/2023



#46

1,1'-Biphenyl

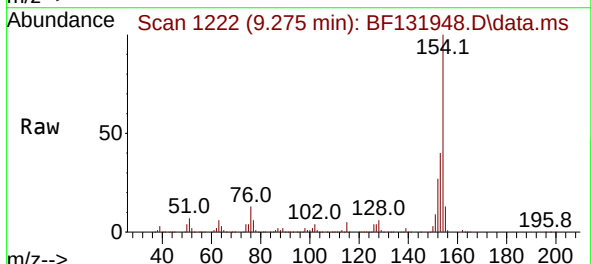
Concen: 54.674 ng

RT: 9.275 min Scan# 1222

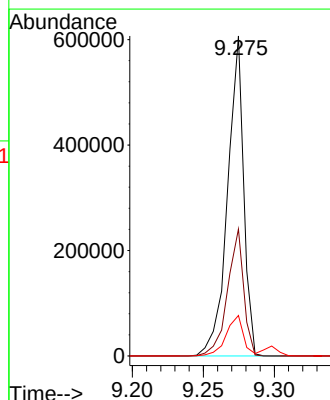
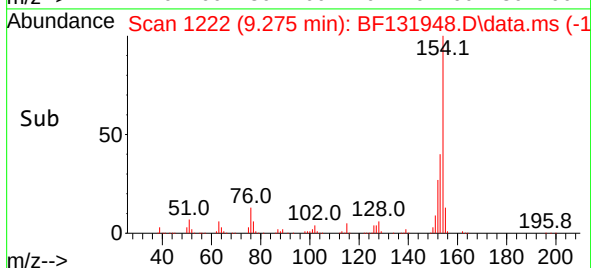
Delta R.T. 0.006 min

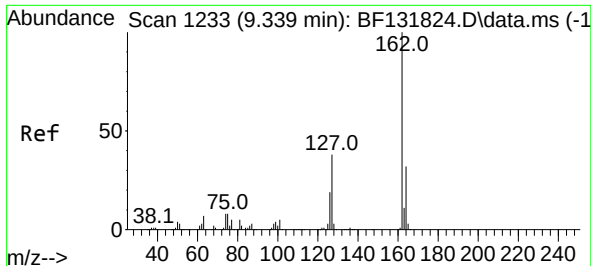
Lab File: BF131948.D

Acq: 06 Jan 2023 19:02



Tgt Ion:154	Resp: 477229		
Ion Ratio	Lower	Upper	
154	100		
153	39.6	19.8	59.8
76	12.6	0.0	33.9





#47

2-Chloronaphthalene

Concen: 51.199 ng

RT: 9.298 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

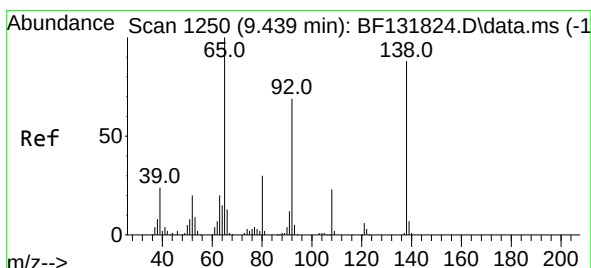
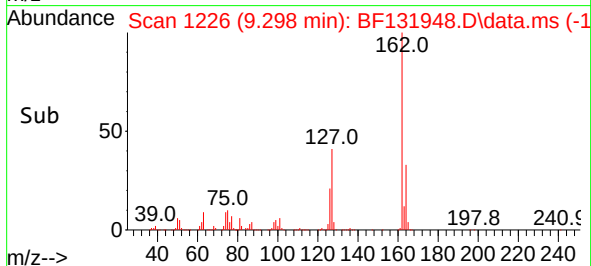
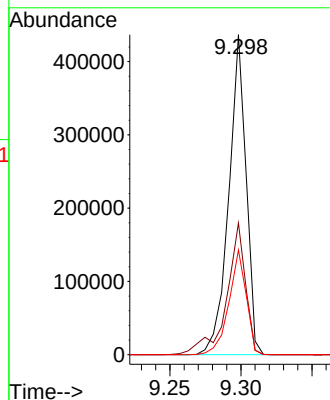
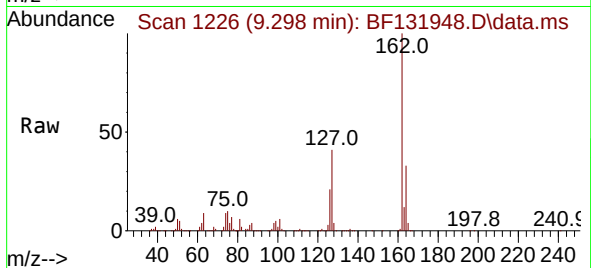
Tgt Ion:162 Resp: 36971

Ion	Ratio	Lower	Upper
162	100		
127	41.1	31.0	46.6
164	32.7	25.9	38.9

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Supervised By :mohammad ahmed 01/09/2023



#48

2-Nitroaniline

Concen: 51.553 ng

RT: 9.404 min Scan# 1244

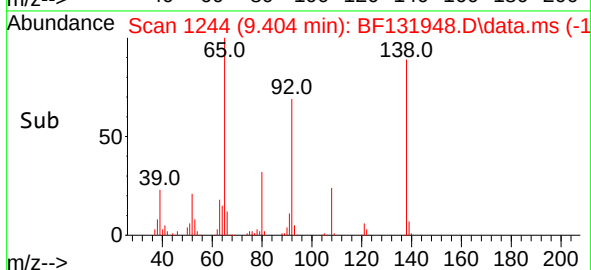
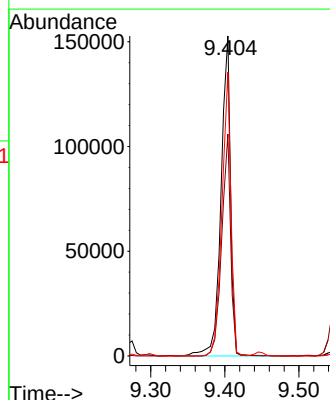
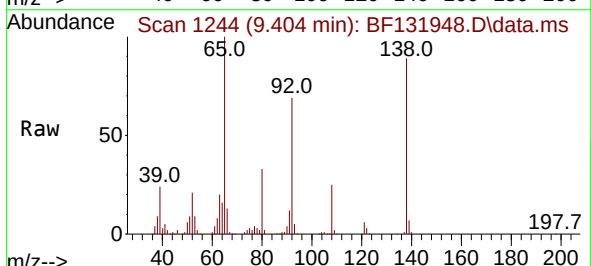
Delta R.T. 0.006 min

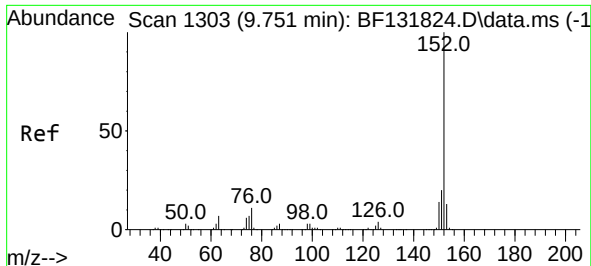
Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Tgt Ion: 65 Resp: 136454

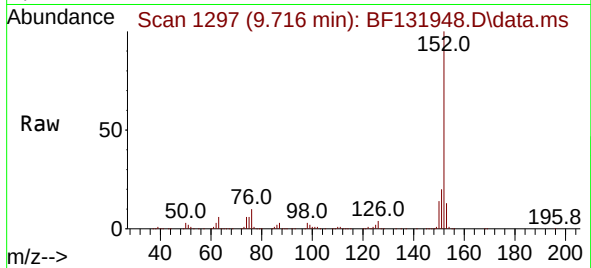
Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.0	82.6
138	88.6	70.4	105.6





#49
Acenaphthylene
Concen: 49.304 ng
RT: 9.716 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

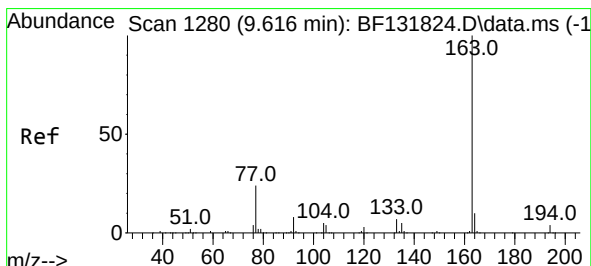
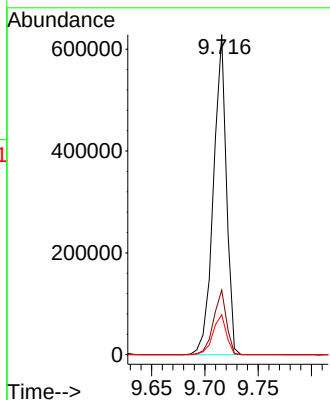
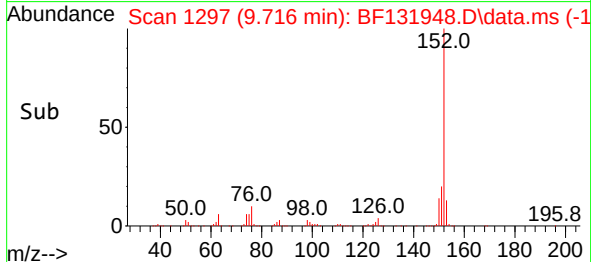
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



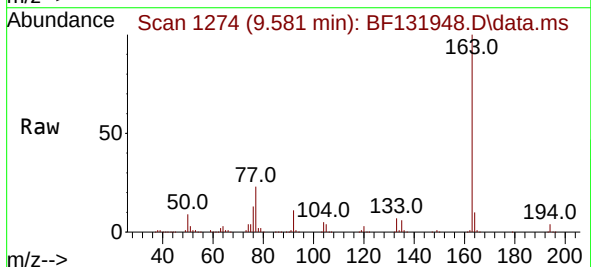
Tgt Ion:152 Resp: 530149
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.6
153 12.5 10.2 15.4

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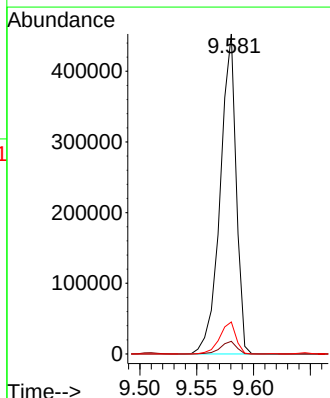
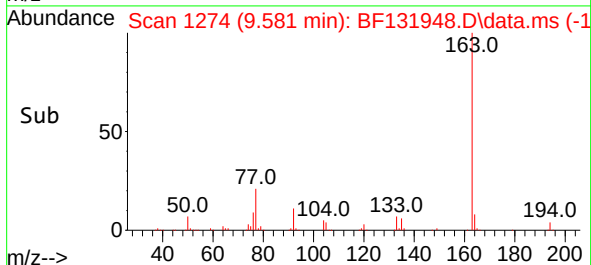
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

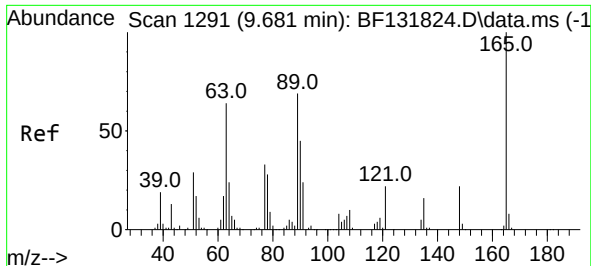


#50
Dimethylphthalate
Concen: 51.497 ng
RT: 9.581 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



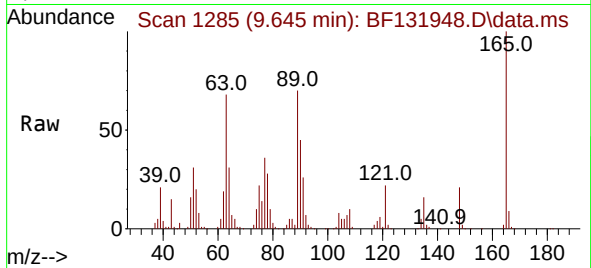
Tgt Ion:163 Resp: 444166
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.0 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 46.301 ng
RT: 9.645 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

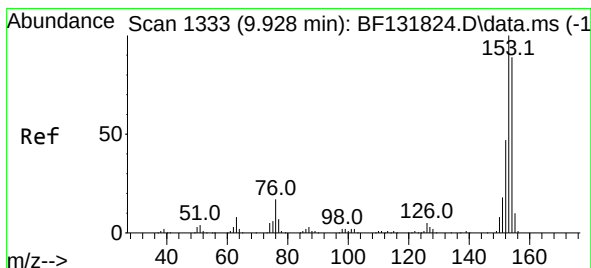
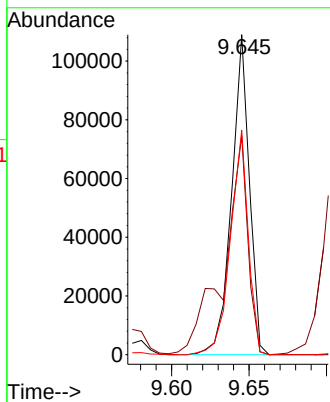
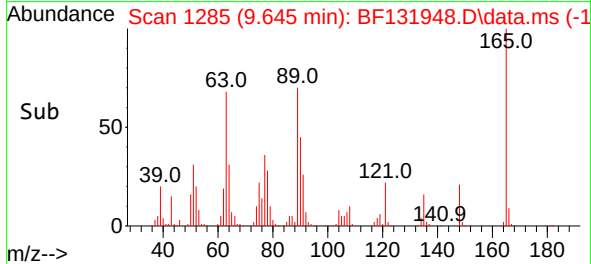
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



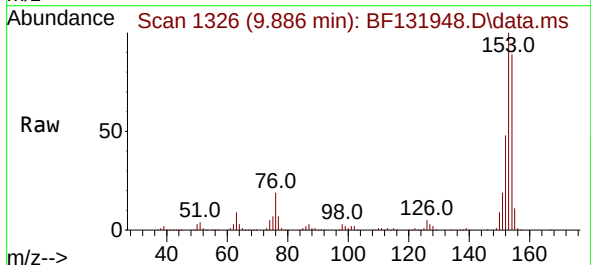
Tgt Ion:165 Resp: 86450
Ion Ratio Lower Upper
165 100
63 68.4 55.1 82.7
89 70.2 55.0 82.4

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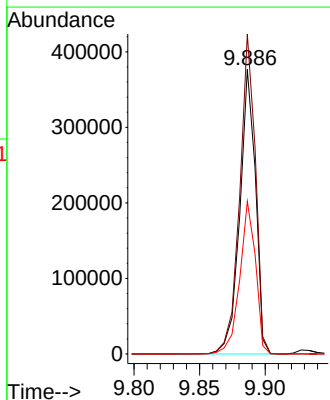
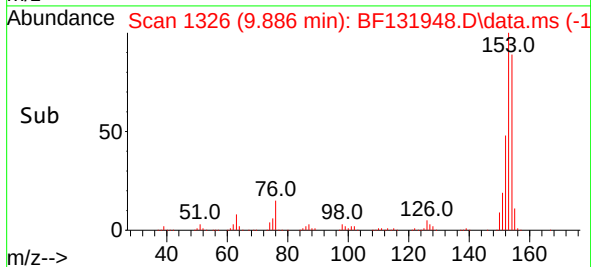
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

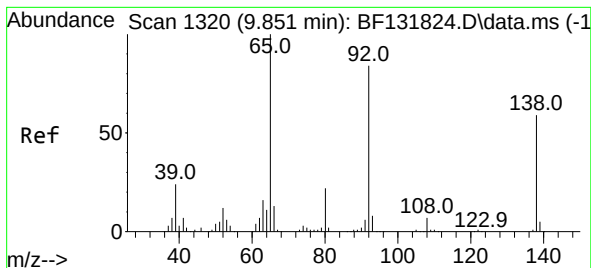


#52
Acenaphthene
Concen: 48.456 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



Tgt Ion:154 Resp: 314457
Ion Ratio Lower Upper
154 100
153 112.5 90.2 135.2
152 53.7 42.5 63.7





#53

3-Nitroaniline

Concen: 33.980 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

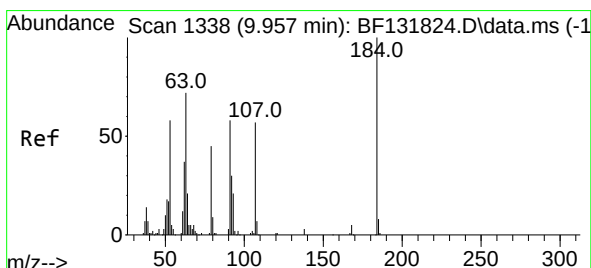
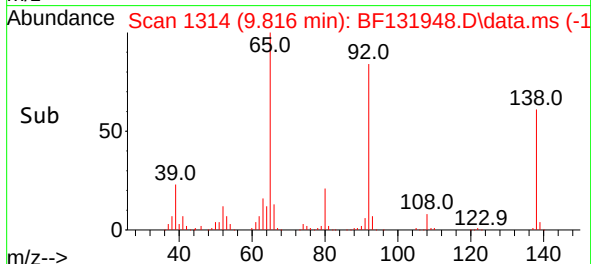
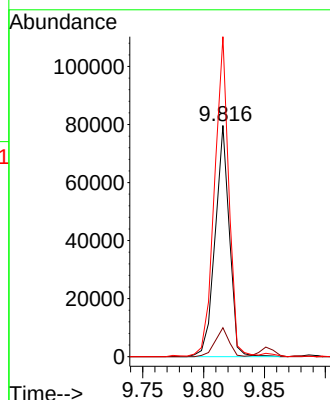
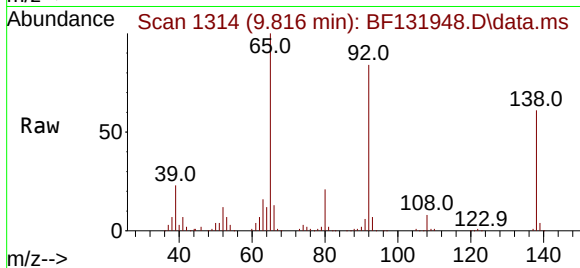
COMP-1-1-4-2023MSD

Tgt Ion:138 Resp: 64640
 Ion Ratio Lower Upper
 138 100
 108 12.5 9.3 13.9
 92 138.4 113.9 170.9

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Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#54

2,4-Dinitrophenol

Concen: 6.877 ng

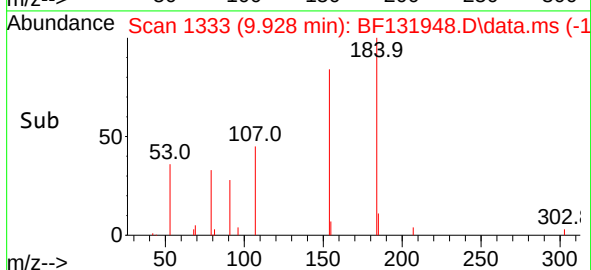
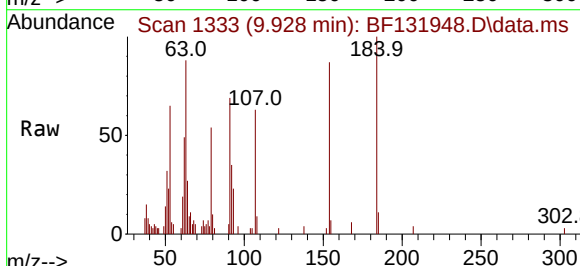
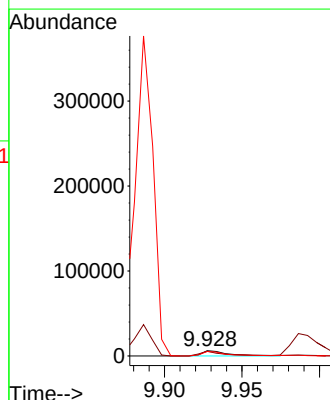
RT: 9.928 min Scan# 1333

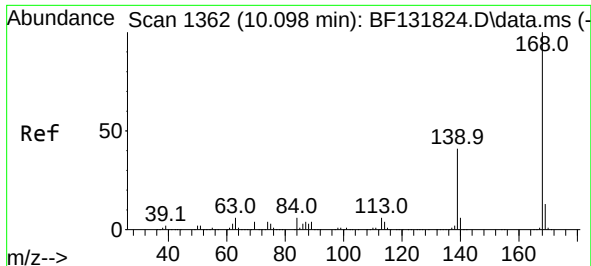
Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

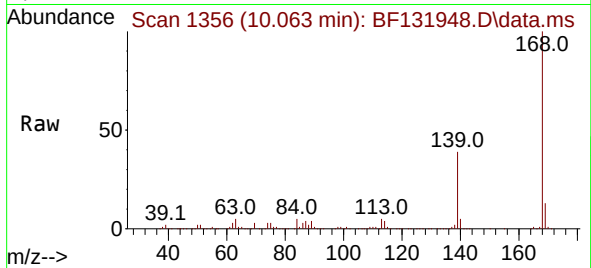
Tgt Ion:184 Resp: 7389
 Ion Ratio Lower Upper
 184 100
 63 88.1 66.8 100.2
 154 86.8 61.6 92.4





#55
Dibenzenofuran
Concen: 48.382 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

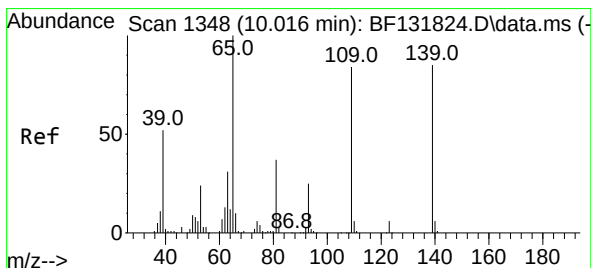
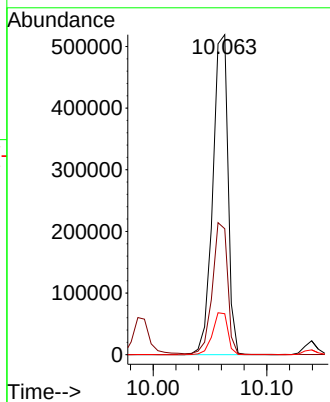
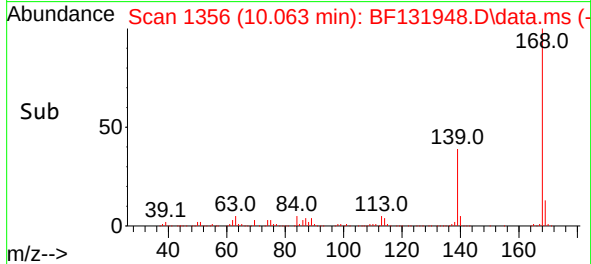
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:168 Resp: 48374
Ion Ratio Lower Upper
168 100
139 39.3 32.6 49.0
169 12.8 10.5 15.7

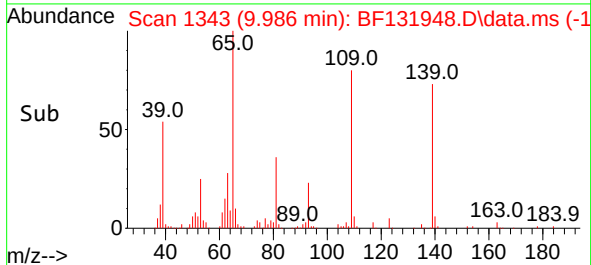
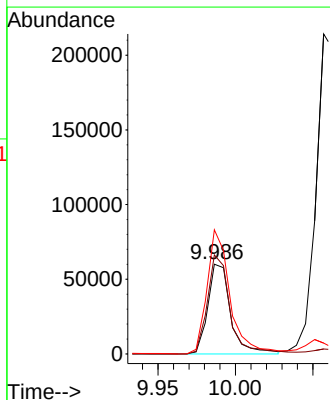
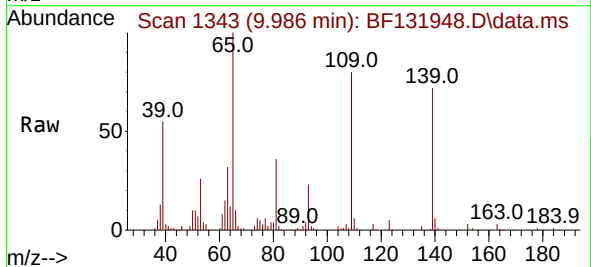
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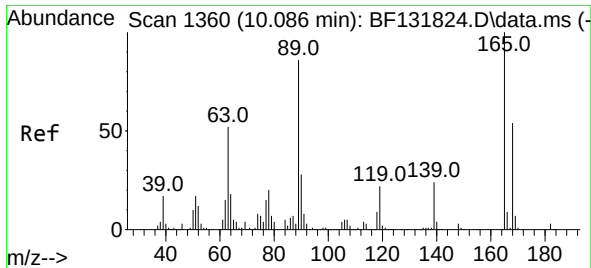
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#56
4-Nitrophenol
Concen: 46.250 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

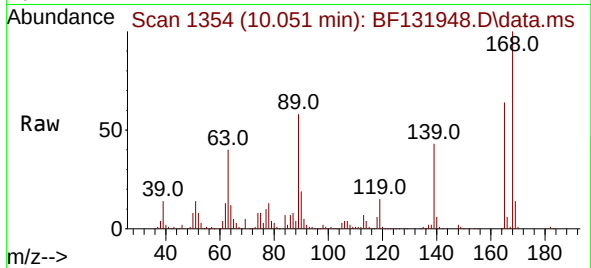
Tgt Ion:139 Resp: 61639
Ion Ratio Lower Upper
139 100
109 110.2 78.5 118.5
65 138.2 97.5 137.5#





#57
2,4-Dinitrotoluene
Concen: 42.142 ng
RT: 10.051 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

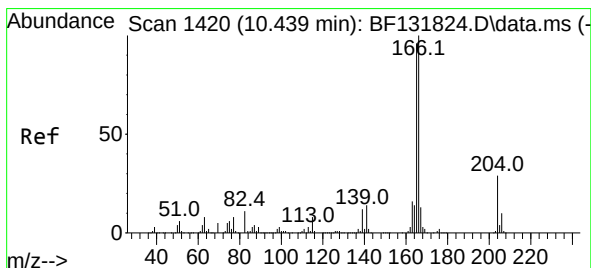
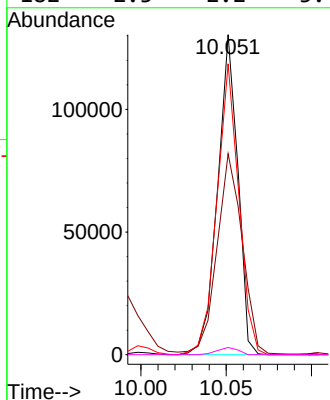
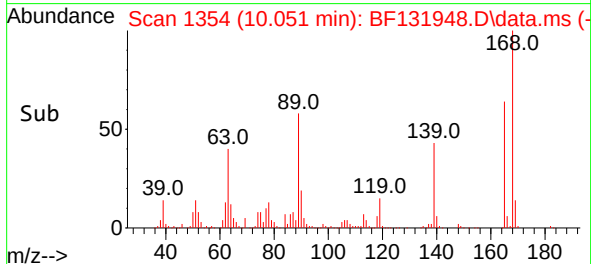
Instrument :
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ClientSampleId :
COMP-1-1-4-2023MSD



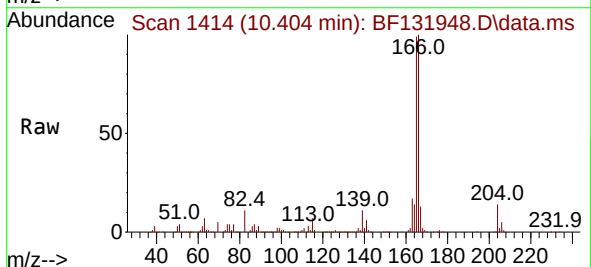
Tgt Ion:165 Resp: 107609
Ion Ratio Lower Upper
165 100
63 62.8 42.1 63.1
89 90.9 69.1 103.7
182 2.3 2.2 3.4

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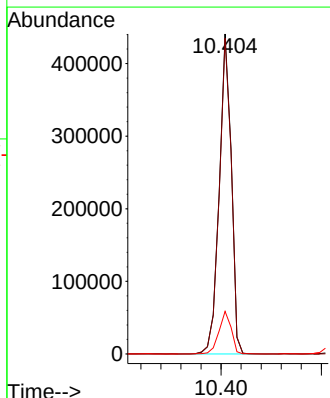
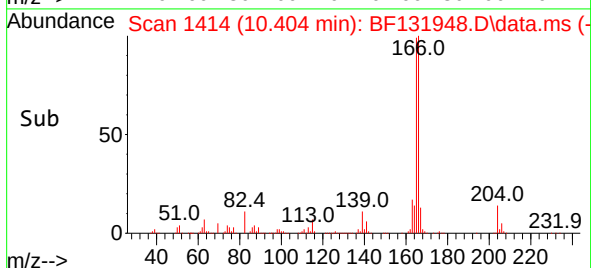
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

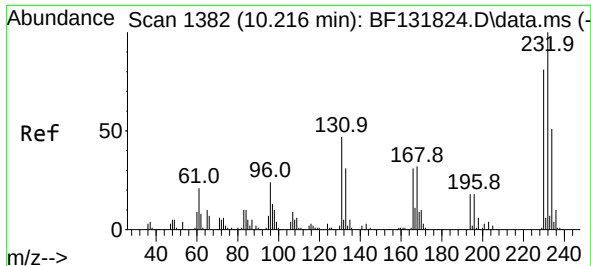


#58
Fluorene
Concen: 44.830 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



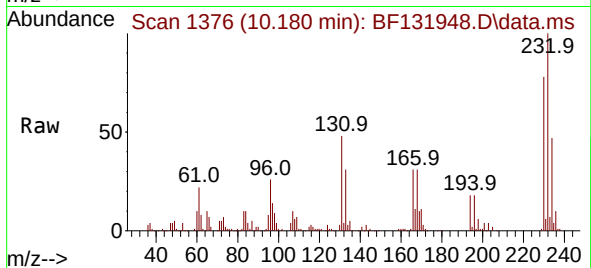
Tgt Ion:166 Resp: 365920
Ion Ratio Lower Upper
166 100
165 98.7 77.0 115.4
167 13.3 10.4 15.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 36.074 ng
RT: 10.180 min Scan# 1376
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

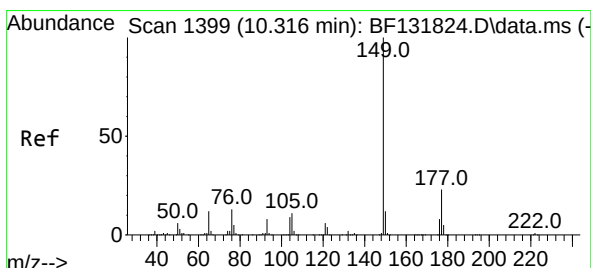
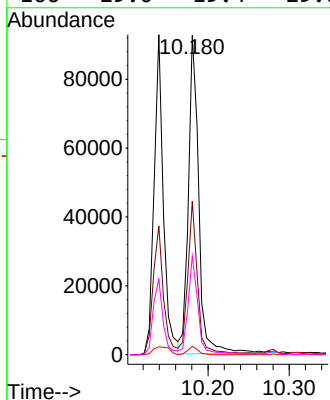
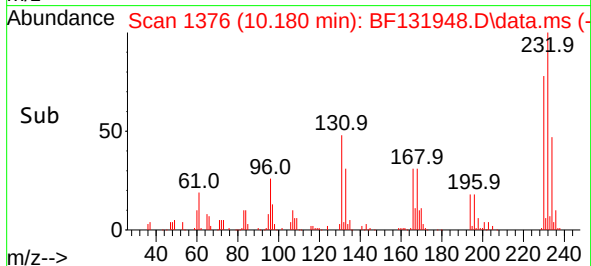
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:232 Resp: 82049
Ion Ratio Lower Upper
232 100
131 43.9 30.1 45.1
130 2.5 1.8 2.6
166 29.0 19.4 29.0

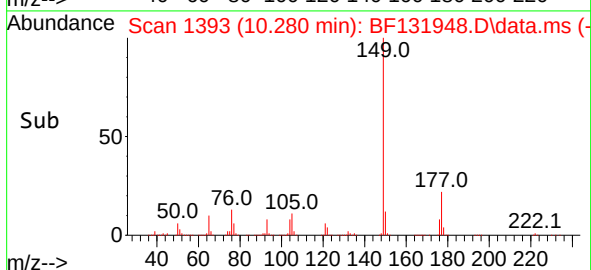
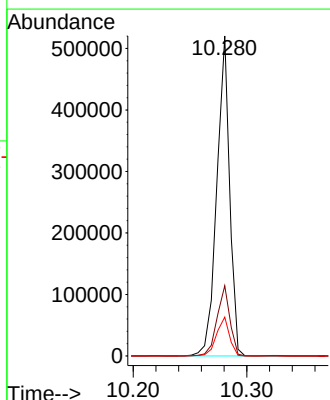
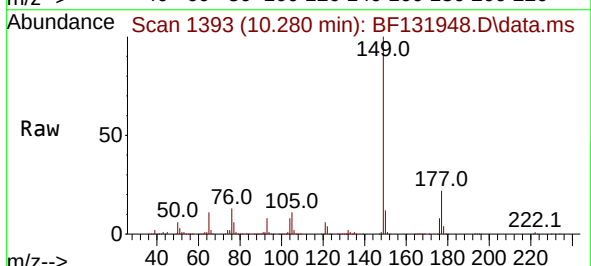
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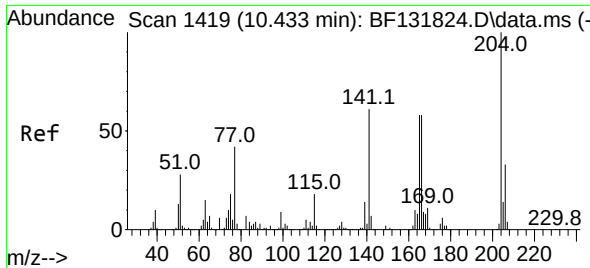
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#60
Diethylphthalate
Concen: 49.259 ng
RT: 10.280 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

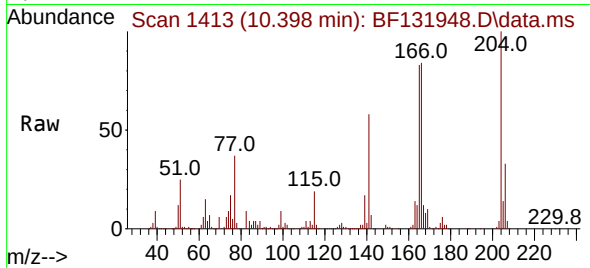
Tgt Ion:149 Resp: 408922
Ion Ratio Lower Upper
149 100
177 21.9 18.1 27.1
150 12.1 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 49.054 ng
RT: 10.398 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

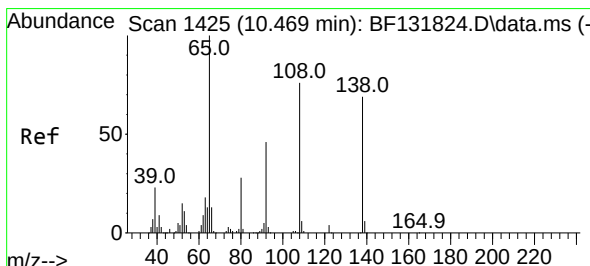
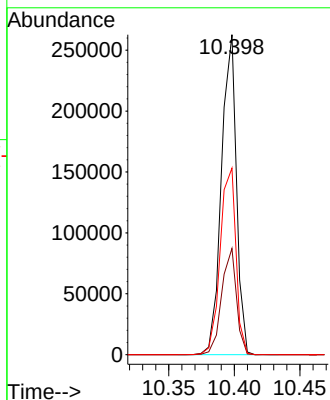
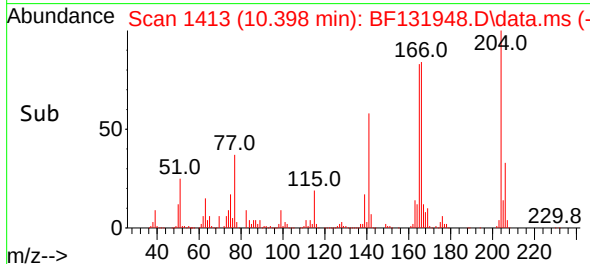
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:204 Resp: 20814
Ion Ratio Lower Upper
204 100
206 33.2 26.5 39.7
141 58.3 49.0 73.4

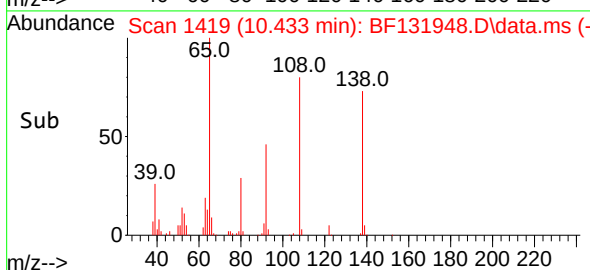
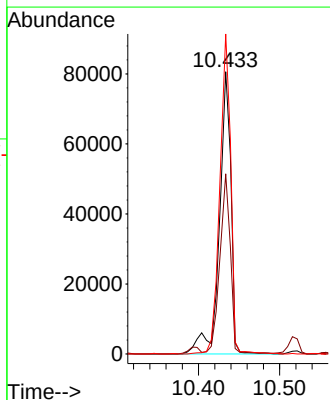
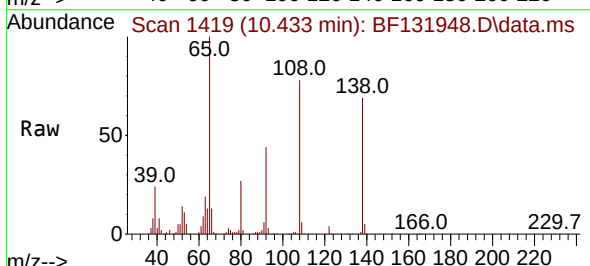
Manual Integrations
APPROVED

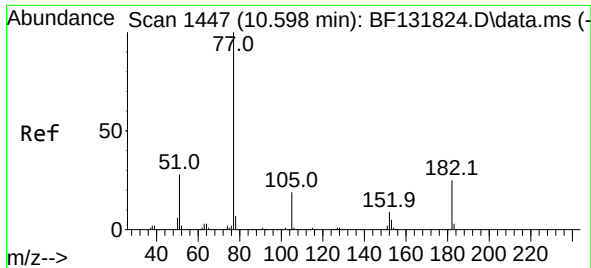
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#62
4-Nitroaniline
Concen: 40.244 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

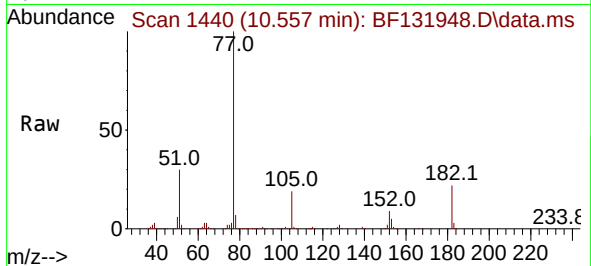
Tgt Ion:138 Resp: 79792
Ion Ratio Lower Upper
138 100
92 63.8 47.2 87.2
108 113.4 89.2 129.2





#63
Azobenzene
Concen: 45.460 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

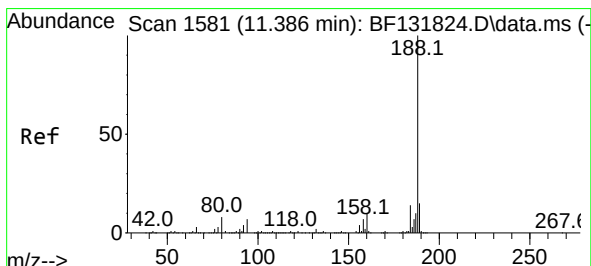
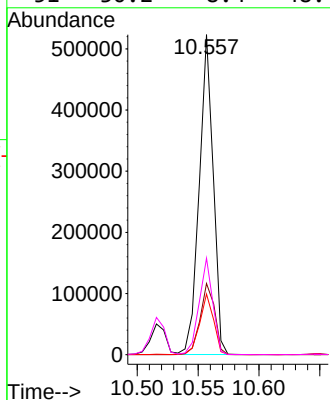
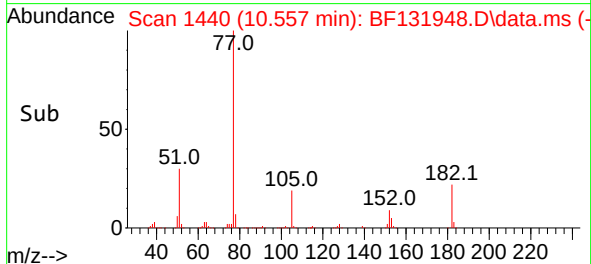
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



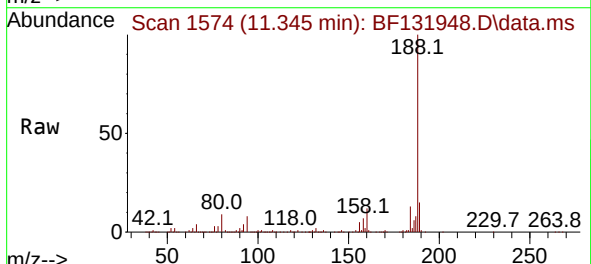
Tgt Ion: 77 Resp: 418819
Ion Ratio Lower Upper
77 100
182 22.2 5.0 45.0
105 19.0 0.0 39.4
51 30.2 8.4 48.4

Manual Integrations
APPROVED

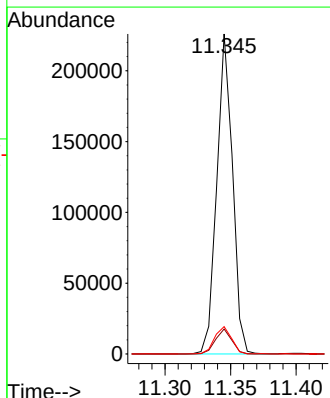
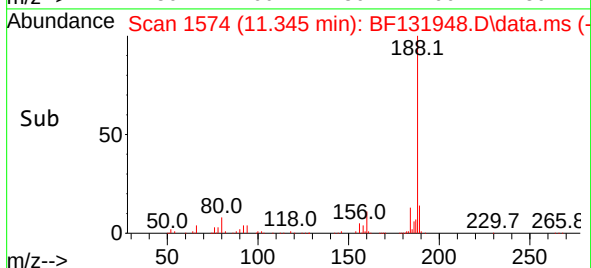
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

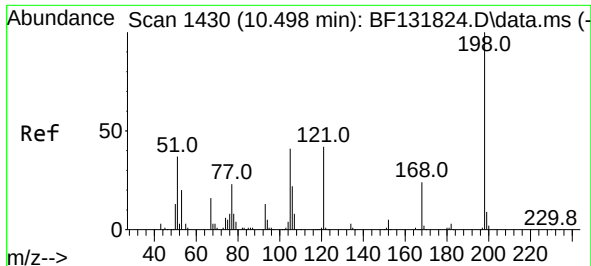


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



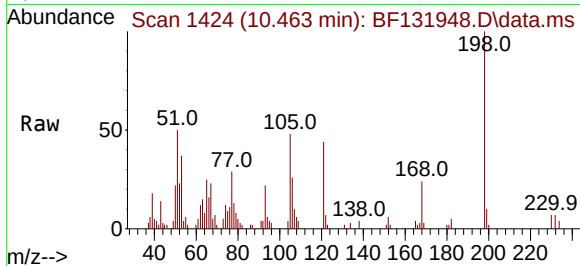
Tgt Ion:188 Resp: 188014
Ion Ratio Lower Upper
188 100
94 7.8 5.8 8.6
80 8.6 6.7 10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 6.366 ng
RT: 10.463 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

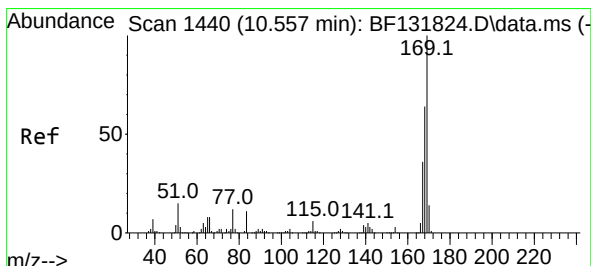
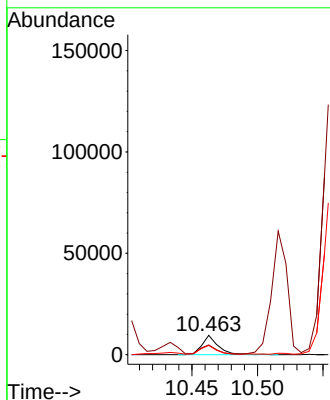
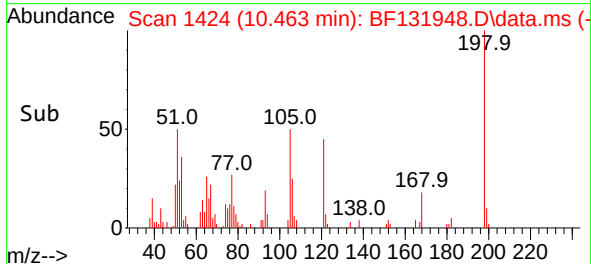
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



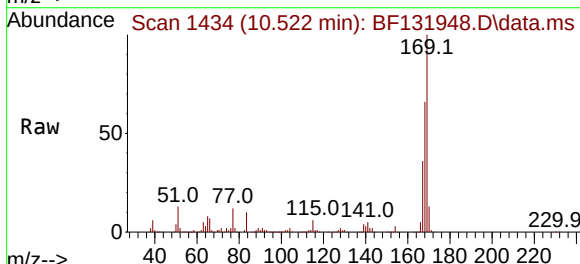
Tgt Ion:198 Resp: 8149
Ion Ratio Lower Upper
198 100
51 50.4 21.6 61.6
105 48.3 22.0 62.0

Manual Integrations
APPROVED

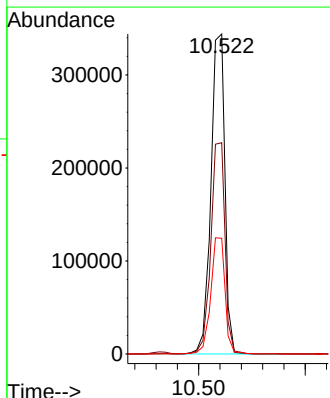
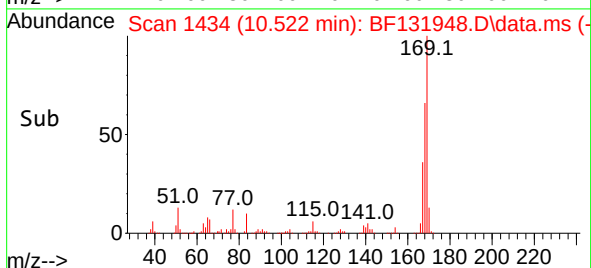
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

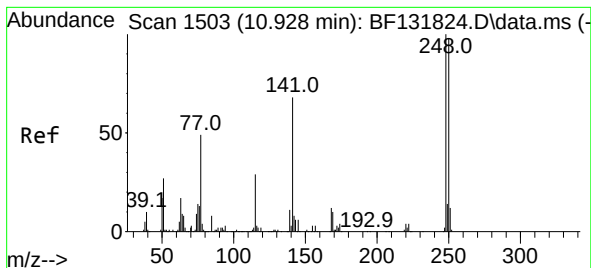


#66
n-Nitrosodiphenylamine
Concen: 54.421 ng
RT: 10.522 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



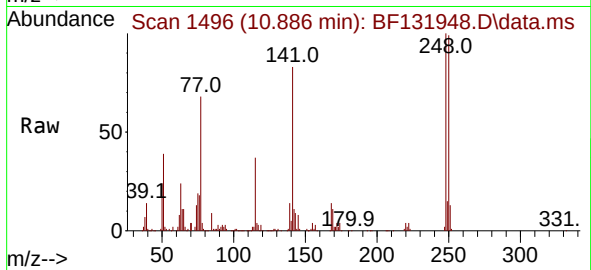
Tgt Ion:169 Resp: 312120
Ion Ratio Lower Upper
169 100
168 66.0 51.5 77.3
167 36.2 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 53.123 ng
RT: 10.886 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

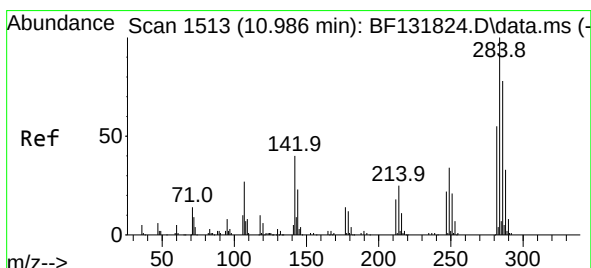
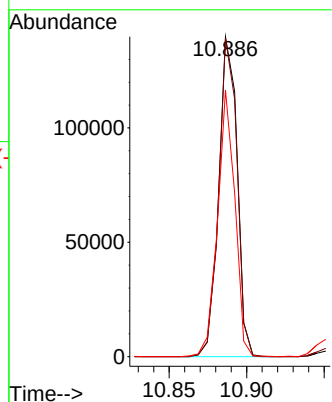
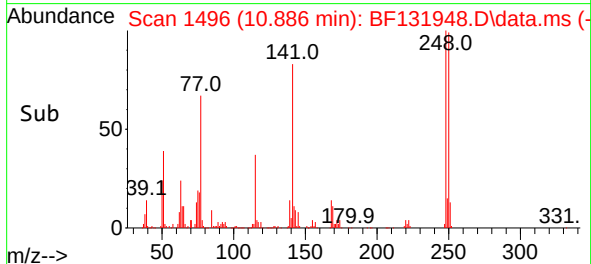
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



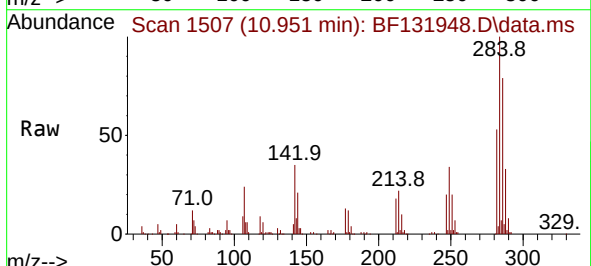
Tgt Ion:248 Resp: 115760
Ion Ratio Lower Upper
248 100
250 99.5 78.0 117.0
141 83.3 54.8 82.2

Manual Integrations
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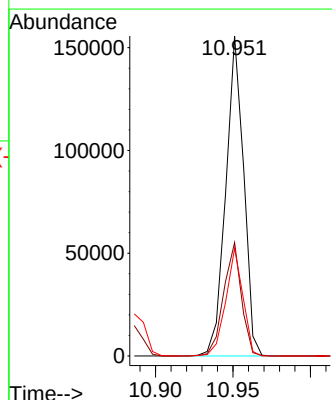
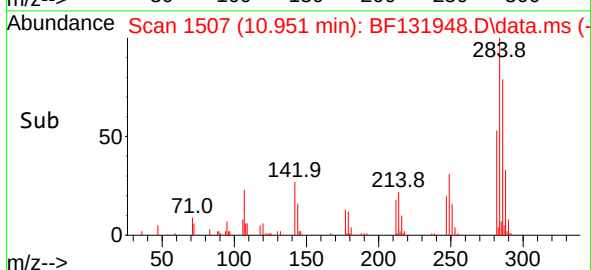
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

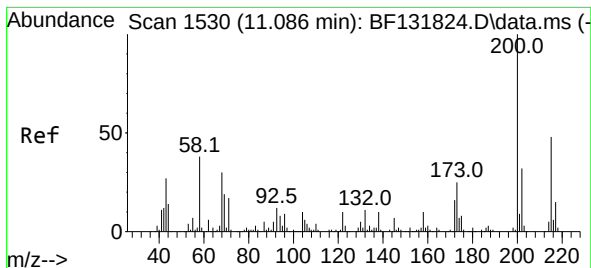


#68
Hexachlorobenzene
Concen: 52.191 ng
RT: 10.951 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



Tgt Ion:284 Resp: 124933
Ion Ratio Lower Upper
284 100
142 35.5 31.6 47.4
249 33.6 26.9 40.3





#69

Atrazine

Concen: 56.722 ng

RT: 11.051 min Scan# 1524

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:200 Resp: 107098

Ion Ratio Lower Upper

200 100

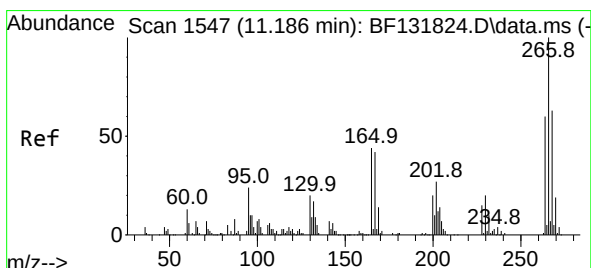
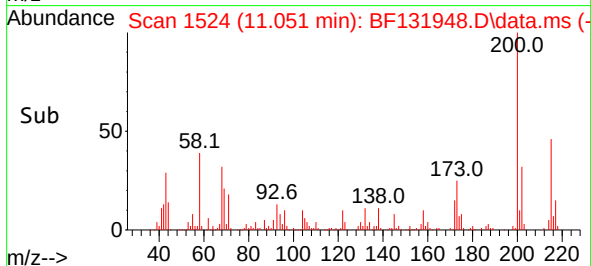
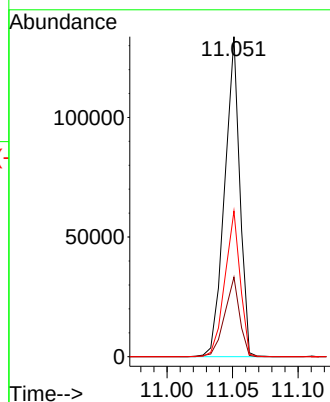
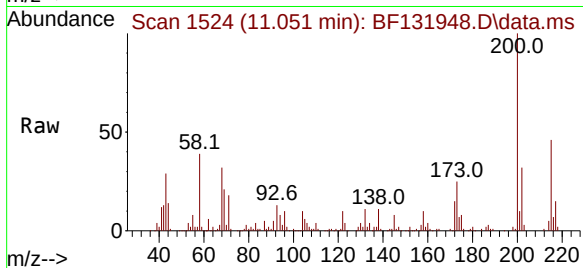
173 24.8 4.5 44.5

215 45.5 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#70

Pentachlorophenol

Concen: 44.403 ng

RT: 11.151 min Scan# 1541

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

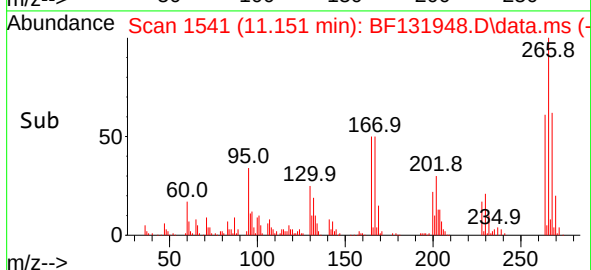
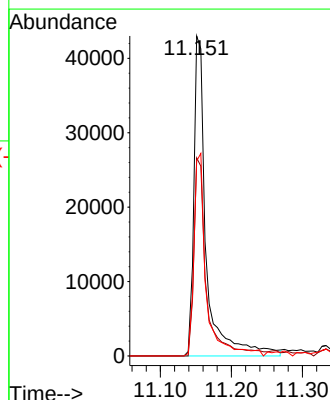
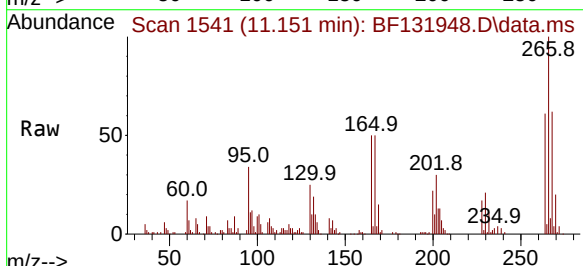
Tgt Ion:266 Resp: 52595

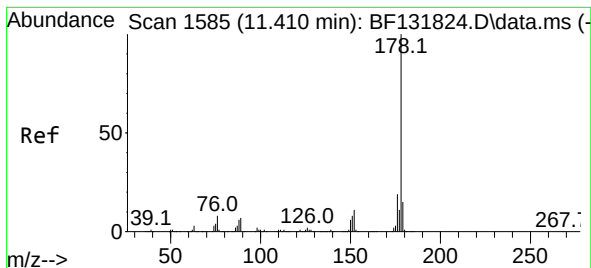
Ion Ratio Lower Upper

266 100

268 61.9 50.5 75.7

264 60.9 48.3 72.5





#71

Phenanthrene

Concen: 47.141 ng

RT: 11.375 min Scan# 1579

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:178 Resp: 487399

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

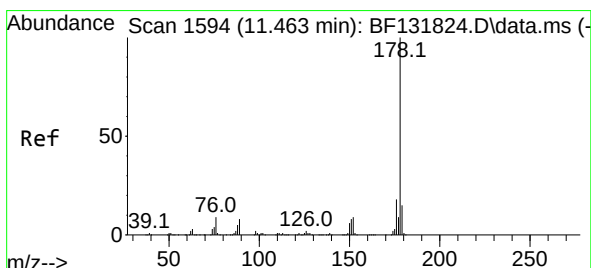
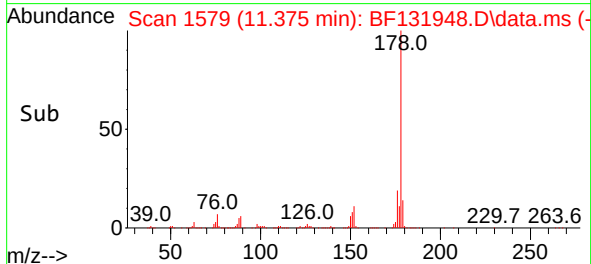
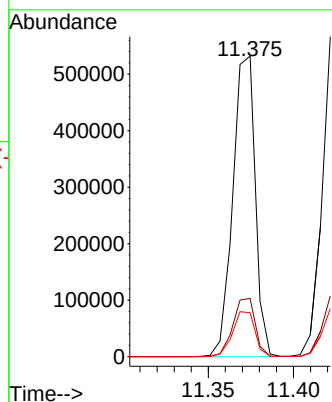
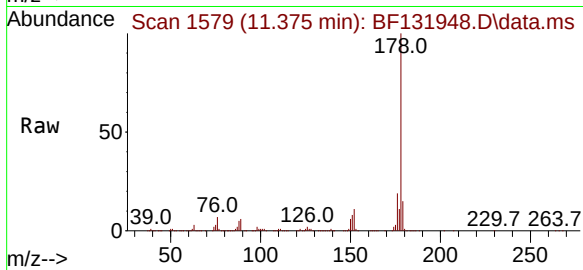
179 14.7 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/09/2023

Supervised By :mohammad ahmed 01/09/2023



#72

Anthracene

Concen: 48.712 ng

RT: 11.422 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

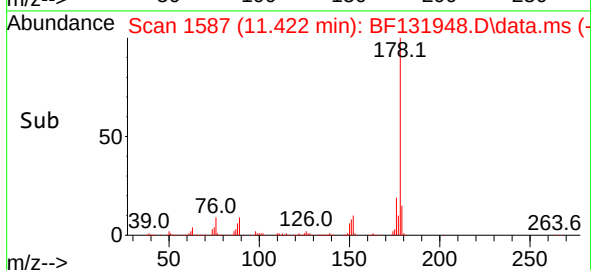
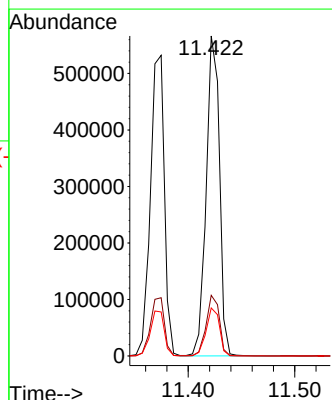
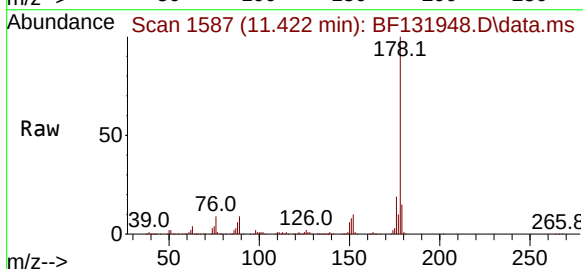
Tgt Ion:178 Resp: 492681

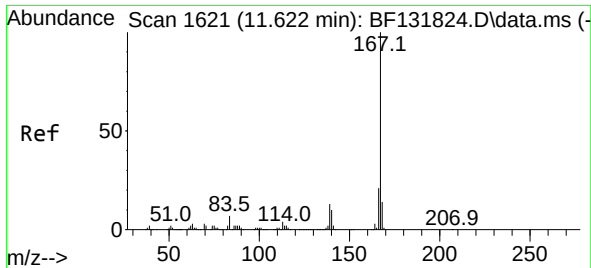
Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

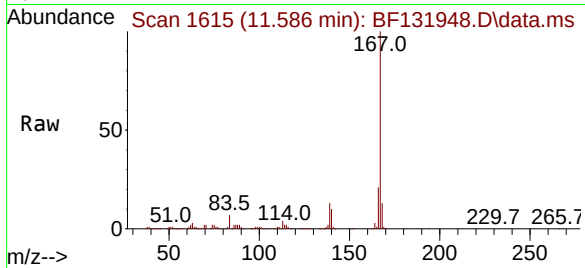
179 15.0 12.2 18.2





#73
 Carbazole
 Concen: 46.881 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. 0.006 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

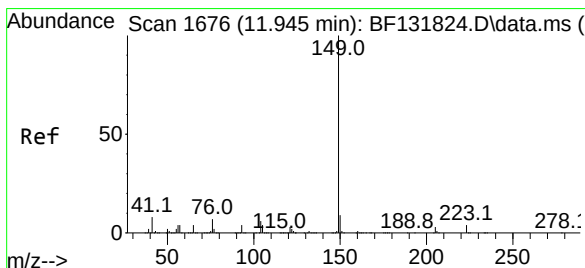
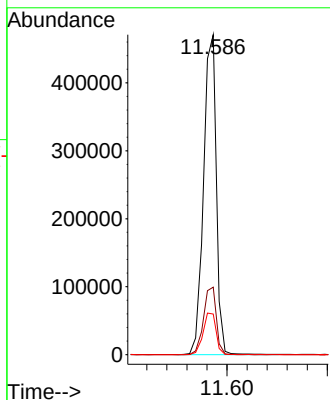
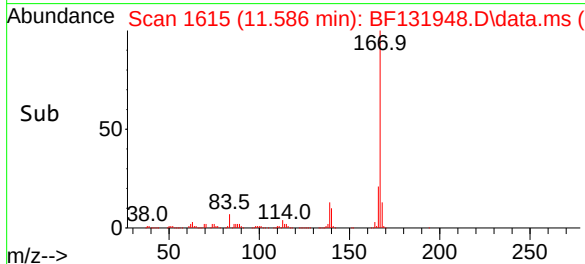
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-1-4-2023MSD



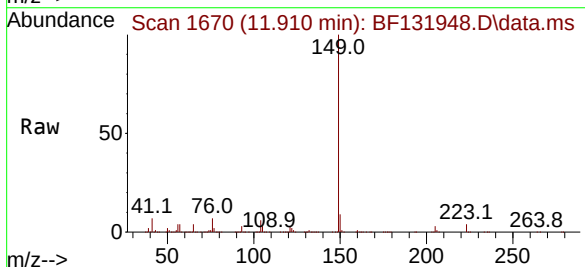
Tgt Ion:167 Resp: 41860
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.6 24.8
 139 12.7 10.6 15.8

Manual Integrations
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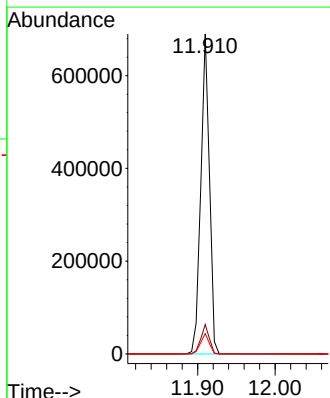
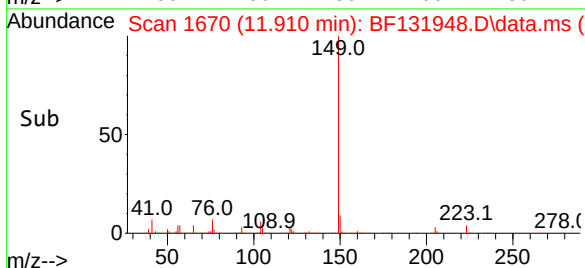
Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

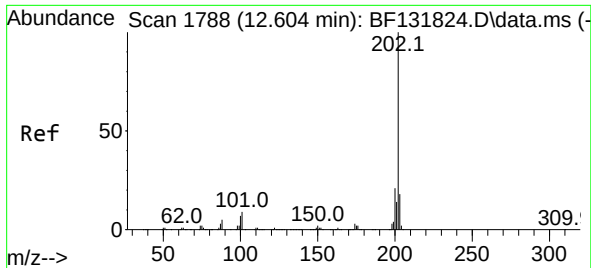


#74
 Di-n-butylphthalate
 Concen: 49.353 ng
 RT: 11.910 min Scan# 1670
 Delta R.T. 0.000 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02



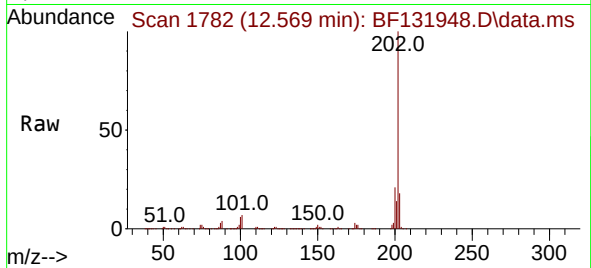
Tgt Ion:149 Resp: 532646
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 6.3 5.1 7.7





#75
Fluoranthene
Concen: 43.650 ng
RT: 12.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

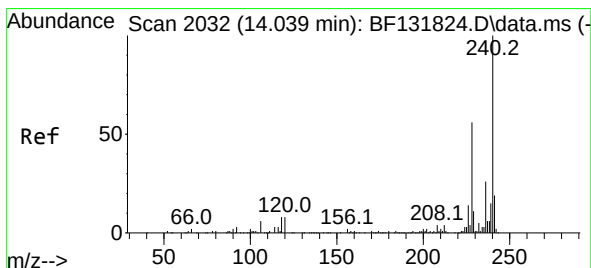
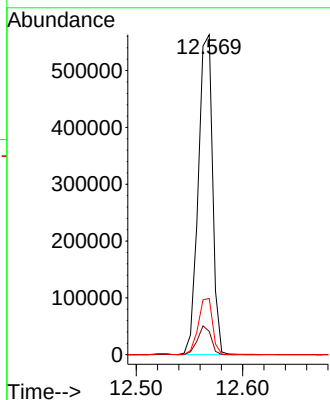
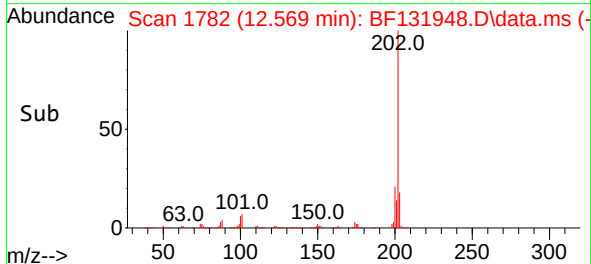
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



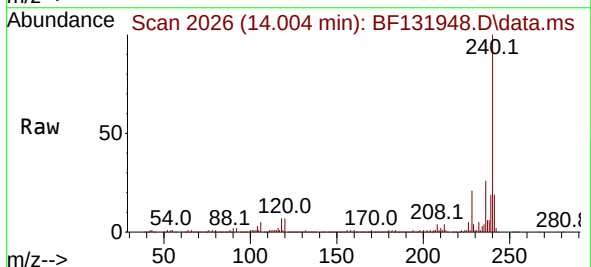
Tgt Ion:202 Resp: 525679
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.6
203 17.5 0.0 37.8

Manual Integrations
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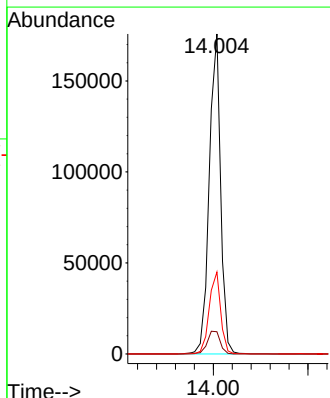
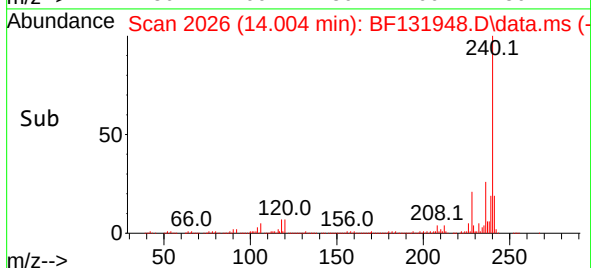
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

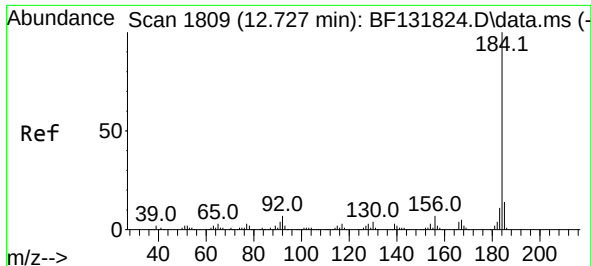


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



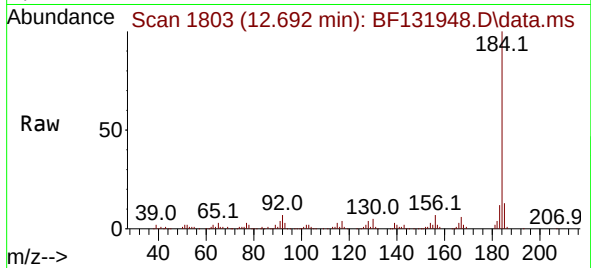
Tgt Ion:240 Resp: 146138
Ion Ratio Lower Upper
240 100
120 6.9 6.7 10.1
236 25.6 20.6 31.0





#77
Benzidine
Concen: 28.228 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

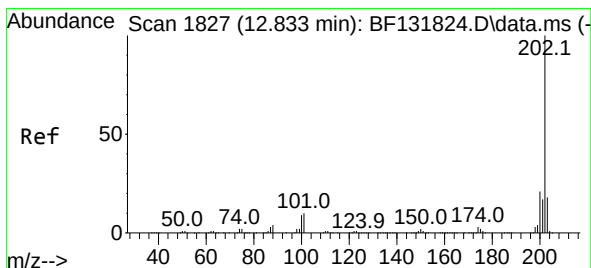
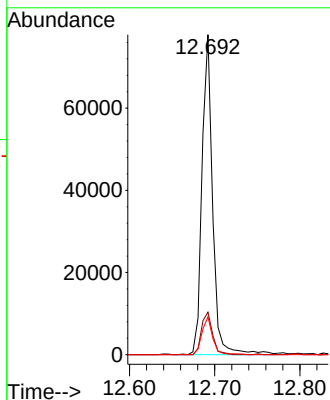
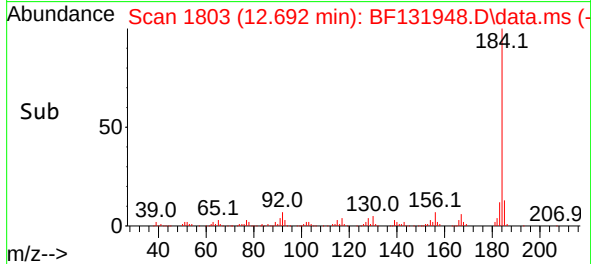
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



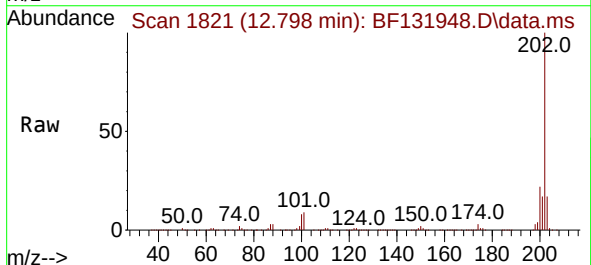
Tgt Ion:184 Resp: 6779
Ion Ratio Lower Upper
184 100
185 13.3 11.6 17.4
183 11.8 9.0 13.4

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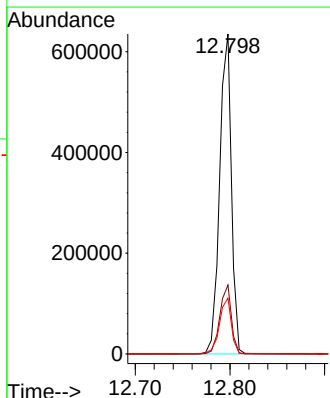
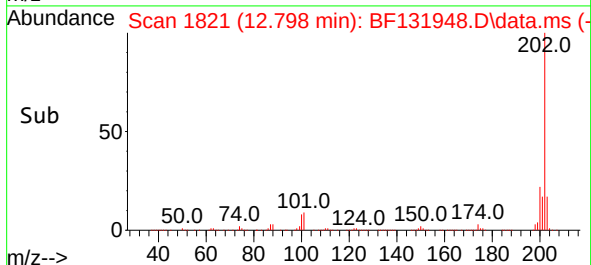
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

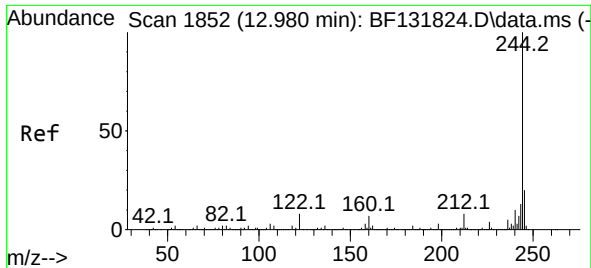


#78
Pyrene
Concen: 44.926 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



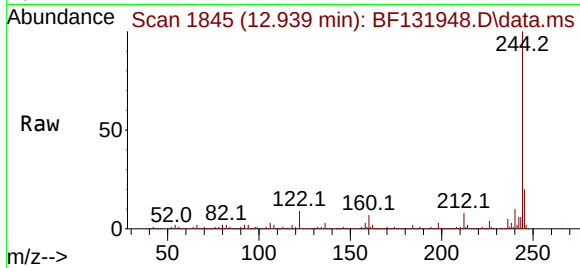
Tgt Ion:202 Resp: 550294
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 17.5 14.4 21.6





#79
 Terphenyl-d14
 Concen: 93.974 ng
 RT: 12.939 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

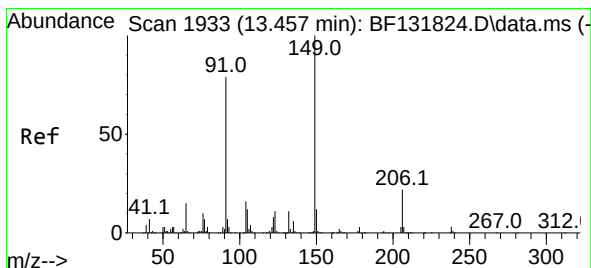
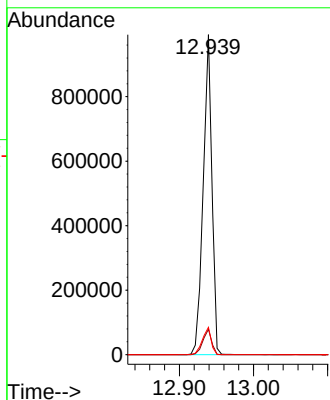
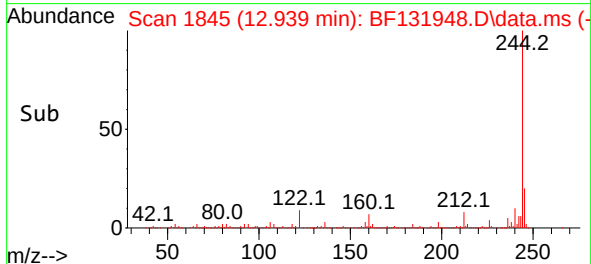
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-1-4-2023MSD



Tgt Ion:244 Resp: 81188
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 8.6 6.4 9.6

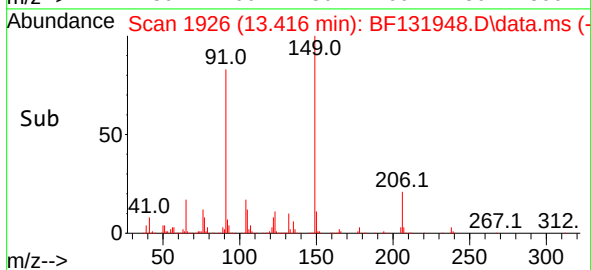
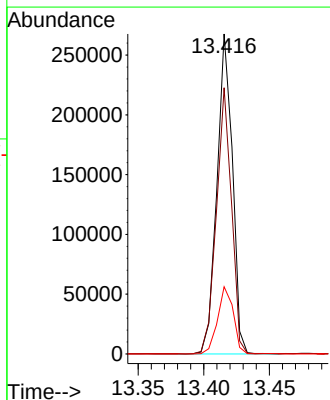
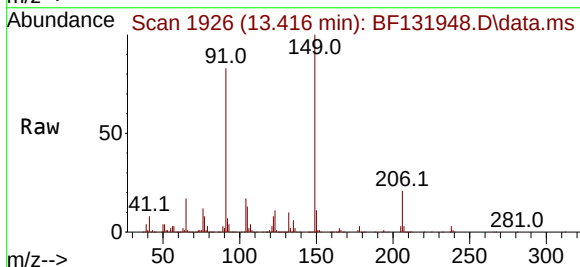
Manual Integrations
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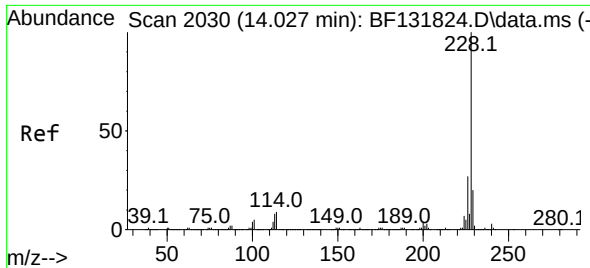
Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#80
 Butylbenzylphthalate
 Concen: 48.212 ng
 RT: 13.416 min Scan# 1926
 Delta R.T. 0.000 min
 Lab File: BF131948.D
 Acq: 06 Jan 2023 19:02

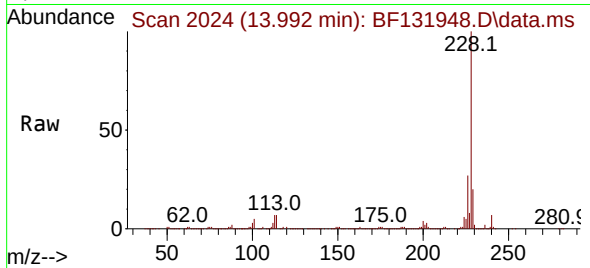
Tgt Ion:149 Resp: 219037
 Ion Ratio Lower Upper
 149 100
 91 83.2 63.2 94.8
 206 21.0 17.9 26.9





#81
Benzo(a)anthracene
Concen: 48.715 ng
RT: 13.992 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

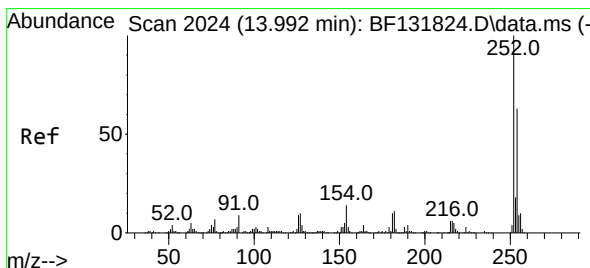
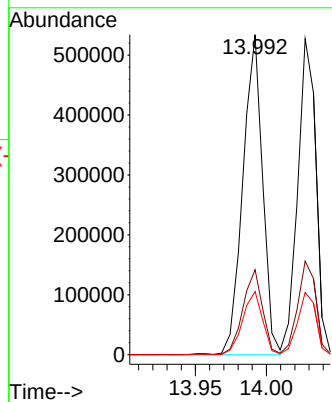
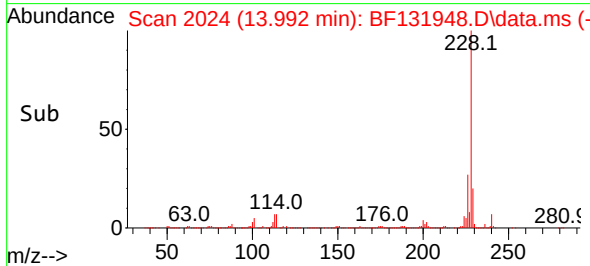
Instrument :
BNA_F
ClientSampleId :
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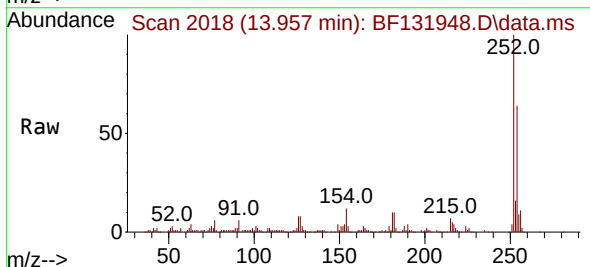
Tgt Ion:228 Resp: 51543
Ion Ratio Lower Upper
228 100
226 26.5 22.0 33.0
229 19.7 16.0 24.0

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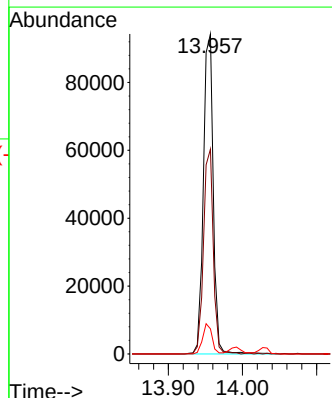
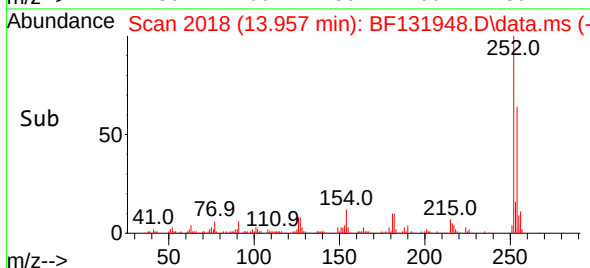
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

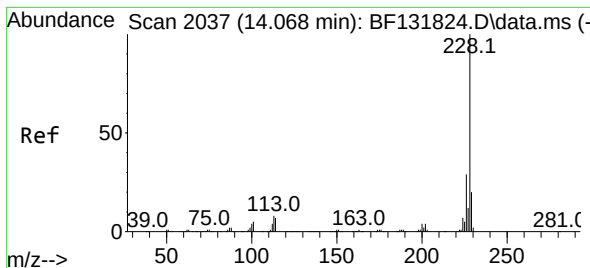


#82
3,3'-Dichlorobenzidine
Concen: 28.451 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02



Tgt Ion:252 Resp: 87009
Ion Ratio Lower Upper
252 100
254 64.0 50.4 75.6
126 7.9 7.5 11.3





#83

Chrysene

Concen: 47.371 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

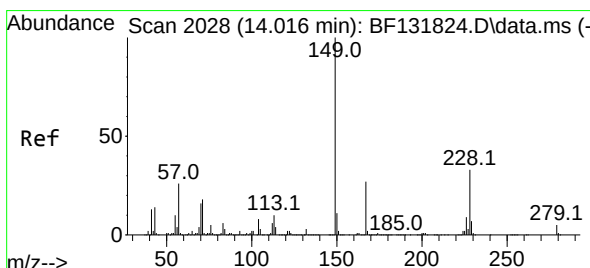
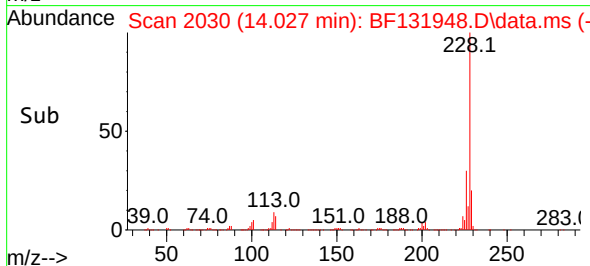
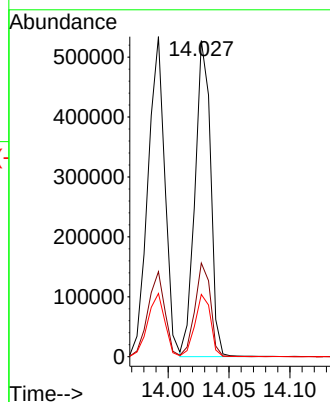
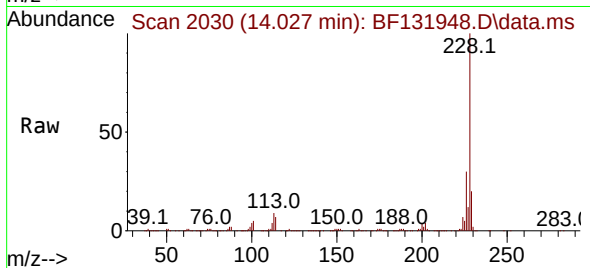
COMP-1-1-4-2023MSD

Tgt Ion:228 Resp: 470999
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.5 35.3
 229 19.7 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.859 ng

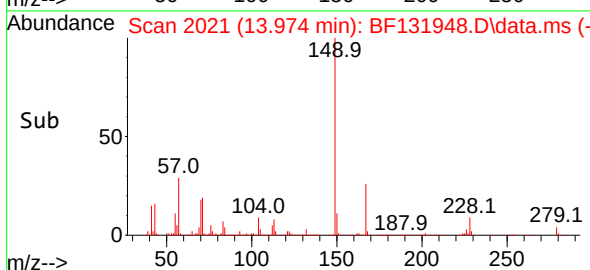
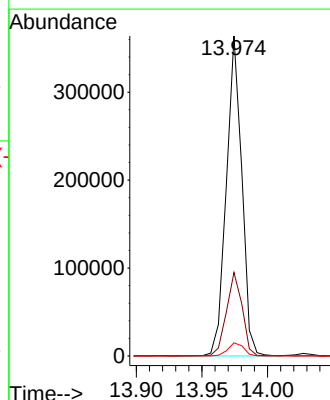
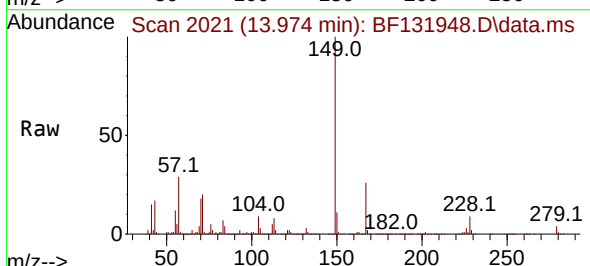
RT: 13.974 min Scan# 2021

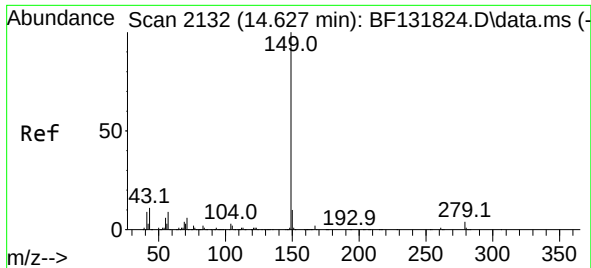
Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

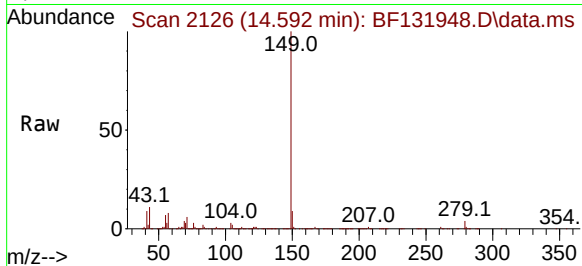
Tgt Ion:149 Resp: 297936
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.8 32.6
 279 4.1 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 68.135 ng
RT: 14.592 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

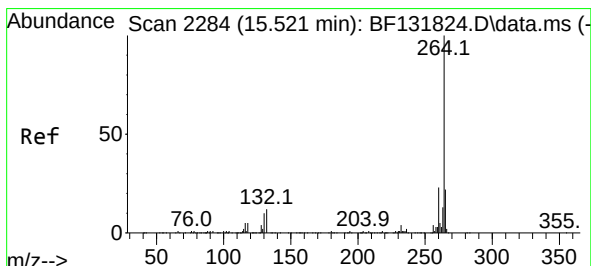
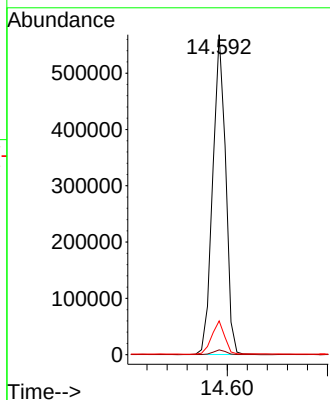
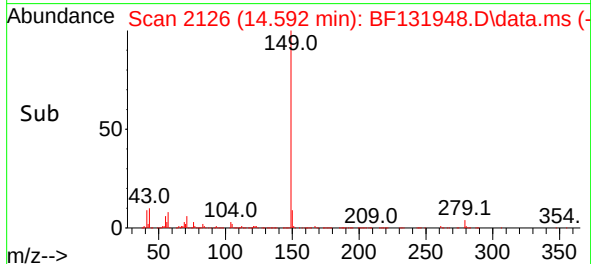
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:149 Resp: 50738
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.5 8.1 12.1

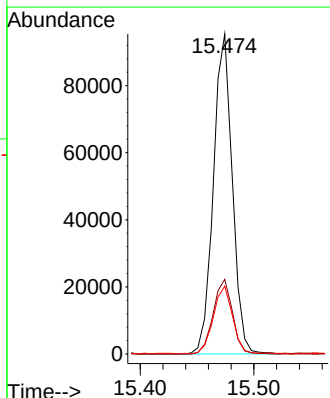
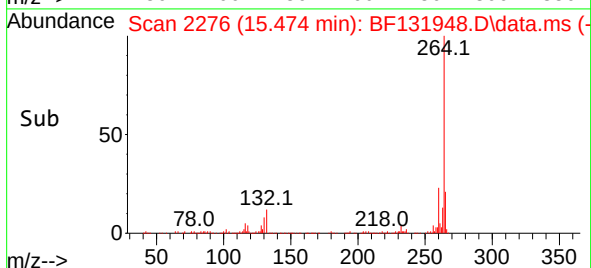
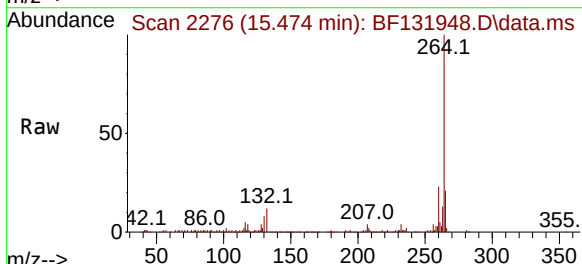
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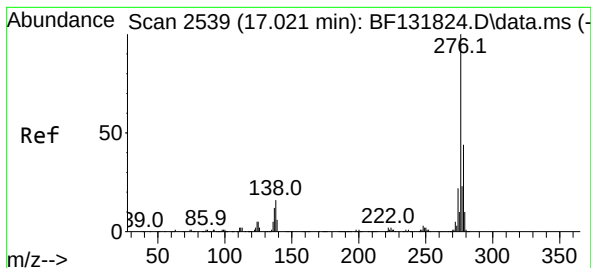
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion:264 Resp: 110283
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.718 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-1-1-4-2023MSD

Tgt Ion:276 Resp: 313309

Ion Ratio Lower Upper

276 100

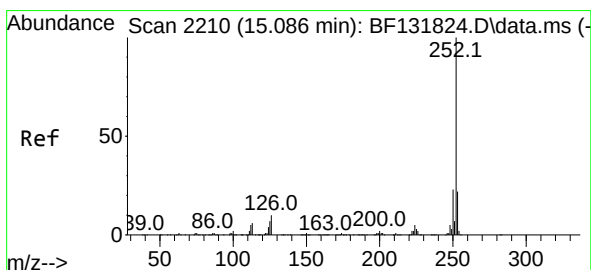
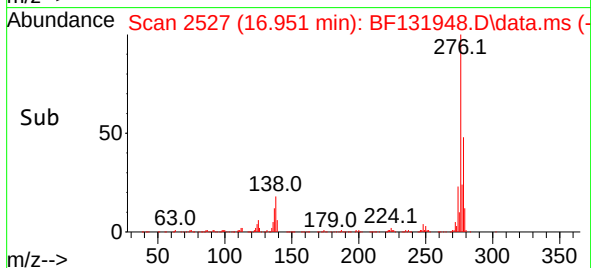
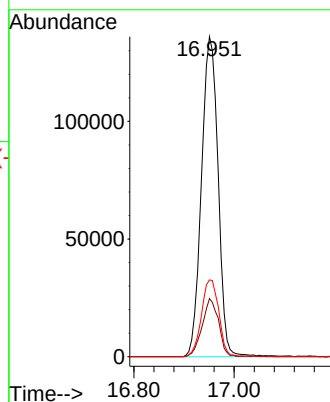
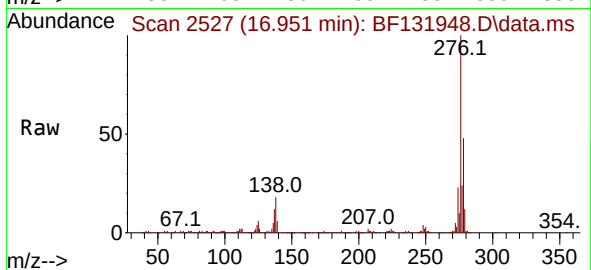
138 17.9 14.5 21.7

277 25.0 19.7 29.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#88

Benzo(b)fluoranthene

Concen: 48.518 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF131948.D

Acq: 06 Jan 2023 19:02

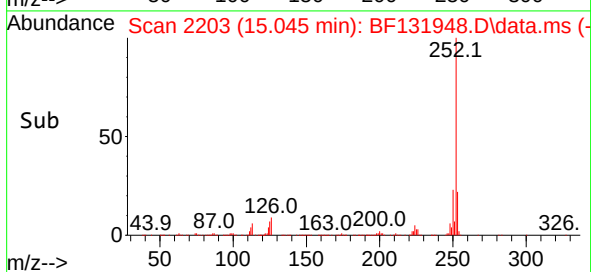
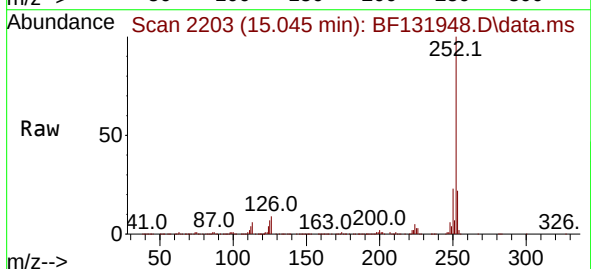
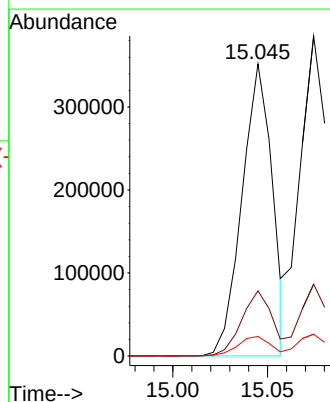
Tgt Ion:252 Resp: 392333

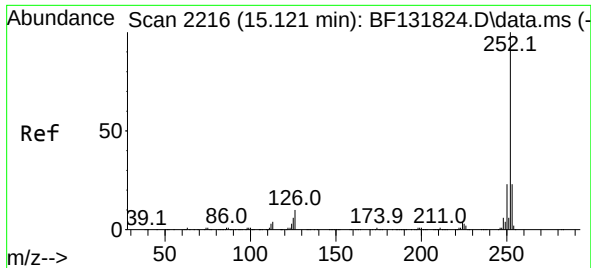
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

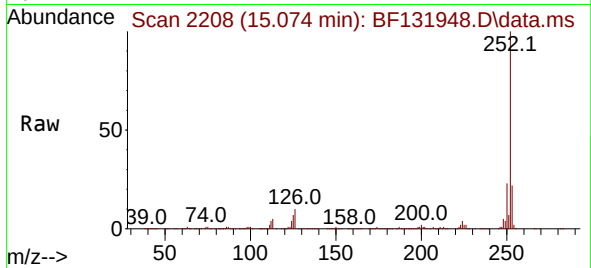
125 6.7 5.8 8.8





#89
Benzo(k)fluoranthene
Concen: 49.983 ng
RT: 15.074 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

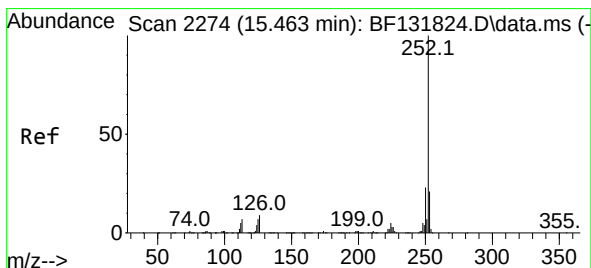
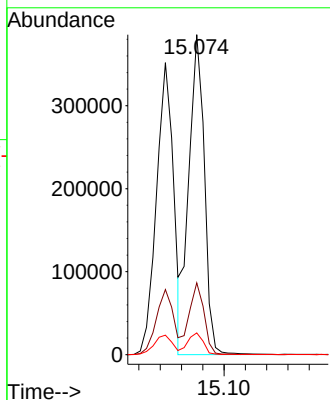
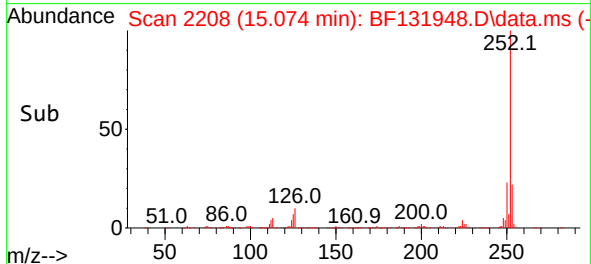
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:252 Resp: 39052
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 6.8 5.4 8.0

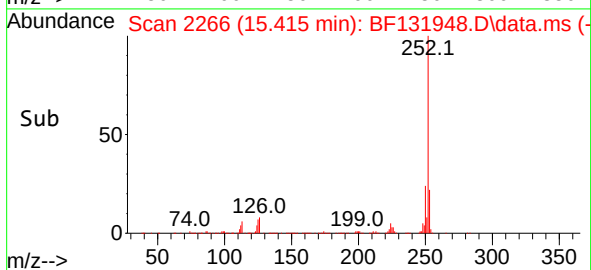
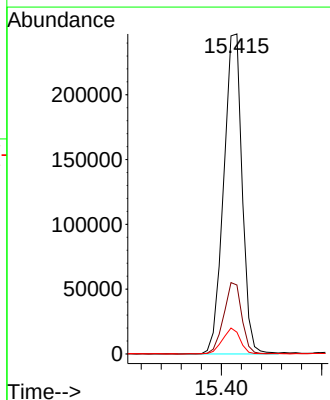
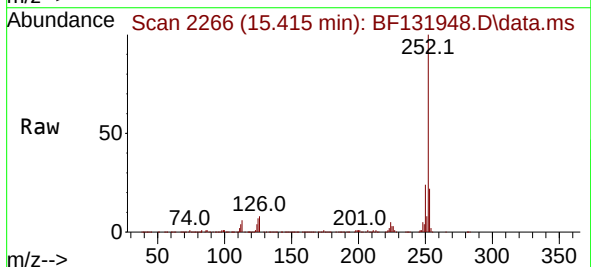
Manual Integrations
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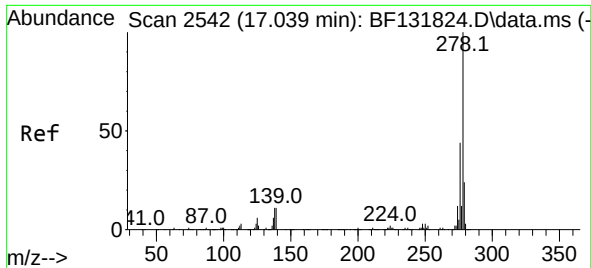
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#90
Benzo(a)pyrene
Concen: 50.177 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

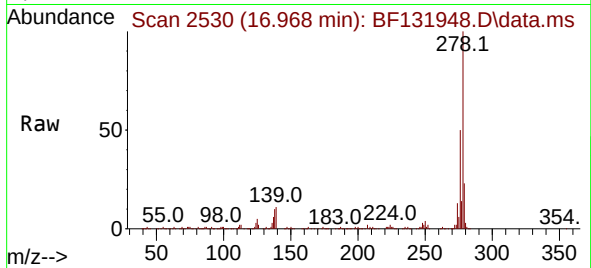
Tgt Ion:252 Resp: 314138
Ion Ratio Lower Upper
252 100
253 21.6 16.6 24.8
125 6.8 5.8 8.8





#91
Dibenzo(a,h)anthracene
Concen: 45.867 ng
RT: 16.968 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

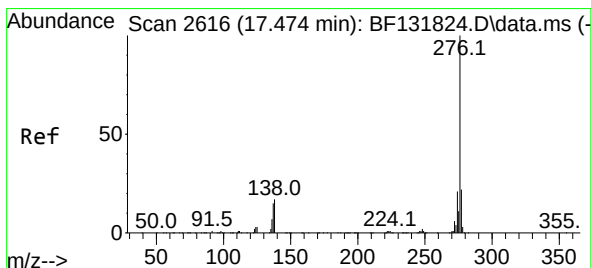
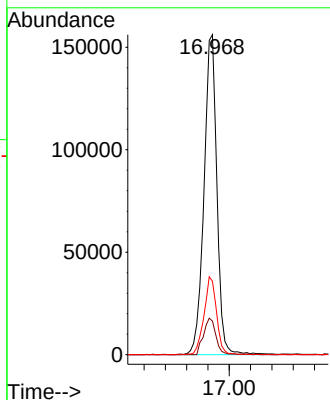
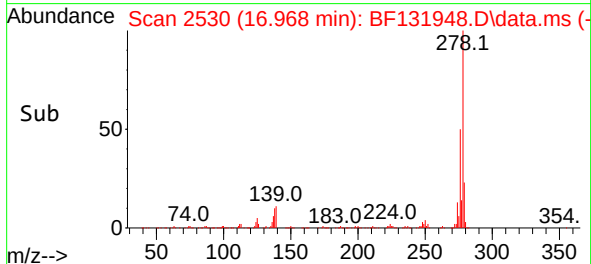
Instrument :
BNA_F
ClientSampleId :
COMP-1-1-4-2023MSD



Tgt Ion:278 Resp: 26323
Ion Ratio Lower Upper
278 100
139 10.5 8.6 12.8
279 22.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#92
Benzo(g,h,i)perylene
Concen: 37.428 ng
RT: 17.398 min Scan# 2603
Delta R.T. 0.000 min
Lab File: BF131948.D
Acq: 06 Jan 2023 19:02

Tgt Ion:276 Resp: 245255
Ion Ratio Lower Upper
276 100
277 24.6 17.9 26.9
138 15.3 13.7 20.5

